

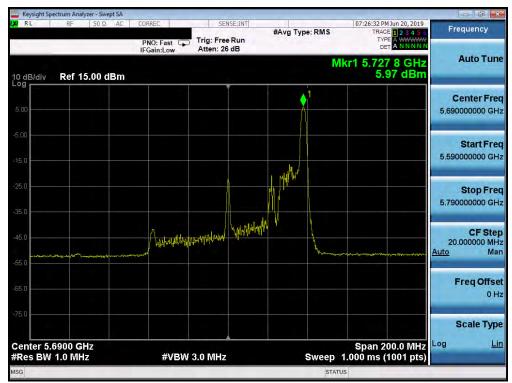
Plot 7-235. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax - 26 Tones (UNII Band 2C) - Ch. 106)



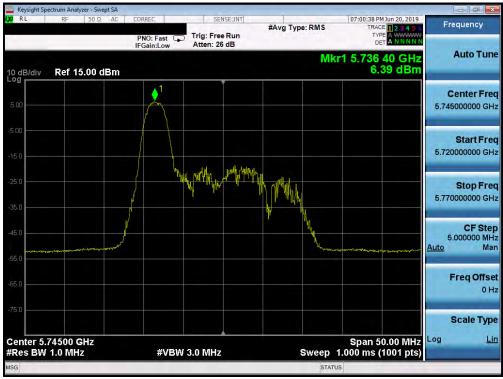
Plot 7-236. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax - 26 Tones (UNII Band 2C) - Ch. 122)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-237. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax - 26 Tones (UNII Band 2C) - Ch. 138)



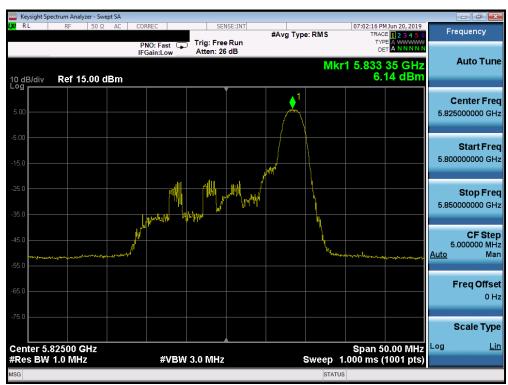
Plot 7-238. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax - 26 Tones (UNII Band 3) - Ch. 149)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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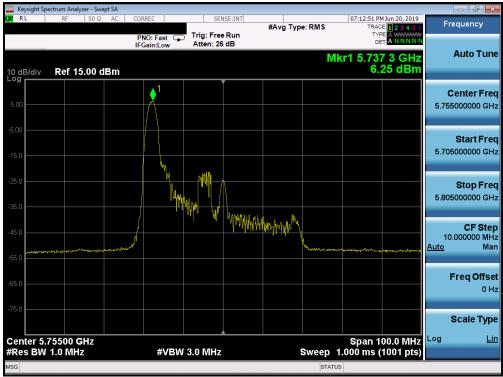
Plot 7-239. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax - 26 Tones (UNII Band 3) - Ch. 157)



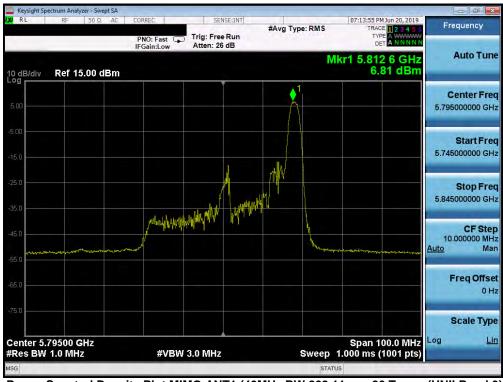
Plot 7-240. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax - 26 Tones (UNII Band 3) - Ch. 165)

FCC ID: A3LSMN975JPN	PCTEST ANGINERAL PROPERTY OF COMMERCE AND CO	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-241. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax - 26 Tones (UNII Band 3) - Ch. 151)



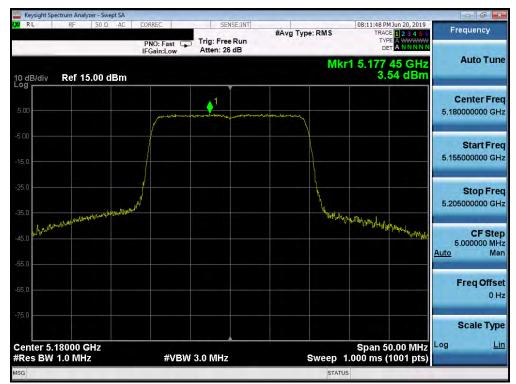
Plot 7-242. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax - 26 Tones (UNII Band 3) - Ch. 159)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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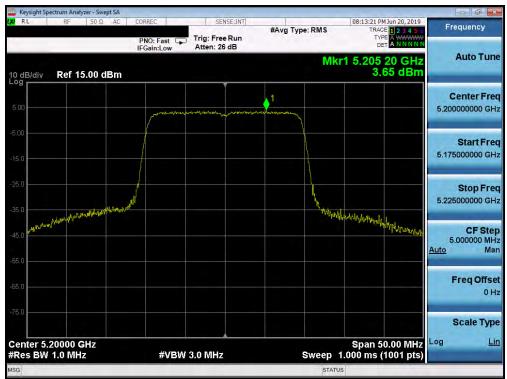
Plot 7-243. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax - 26 Tones (UNII Band 3) - Ch. 155)



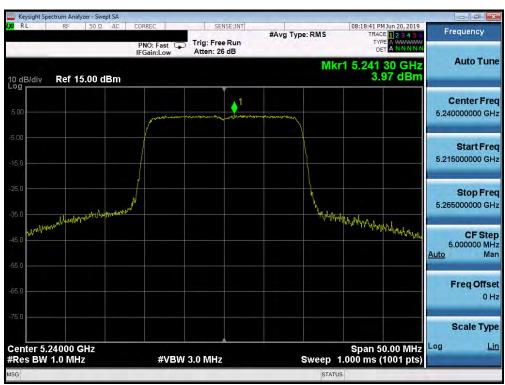
Plot 7-244. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax - Full Tones (UNII Band 1) - Ch. 36)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-245. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax - Full Tones (UNII Band 1) - Ch. 40)



Plot 7-246. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax - Full Tones (UNII Band 1) - Ch. 48)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-247. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax - Full Tones (UNII Band 1) - Ch. 38)



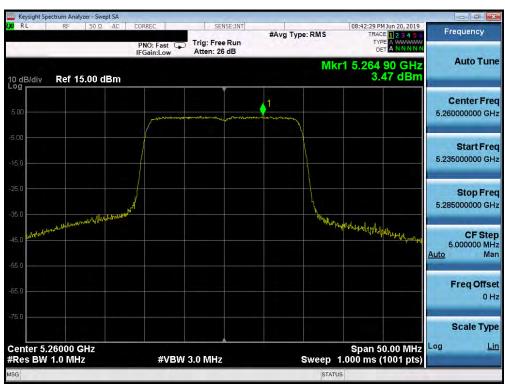
Plot 7-248. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax - Full Tones (UNII Band 1) - Ch. 46)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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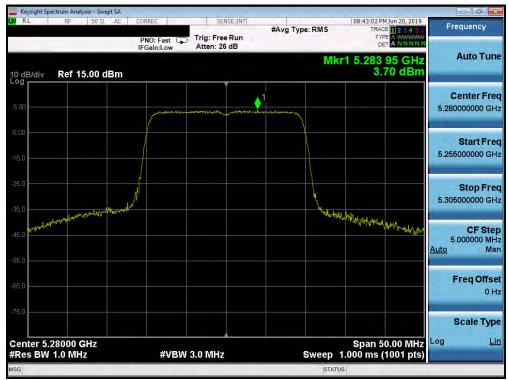
Plot 7-249. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax - Full Tones (UNII Band 1) - Ch. 42)



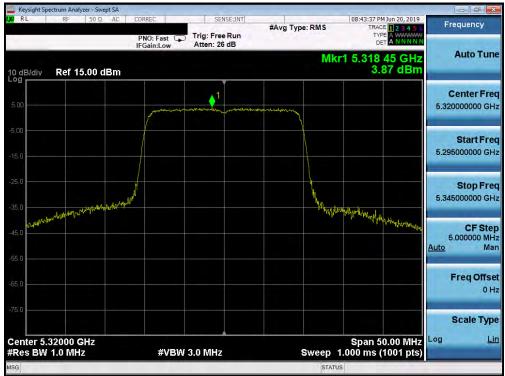
Plot 7-250. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax - Full Tones (UNII Band 2A) - Ch. 52)

FCC ID: A3LSMN975JPN	PCTEST ANGINERAL PROPERTY OF COMMERCE AND CO	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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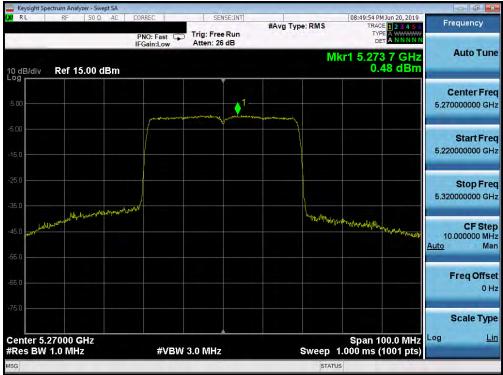
Plot 7-251. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax - Full Tones (UNII Band 2A) - Ch. 56)



Plot 7-252. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax - Full Tones (UNII Band 2A) - Ch. 64)

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Plot 7-253. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax - Full Tones (UNII Band 2A) - Ch. 54)



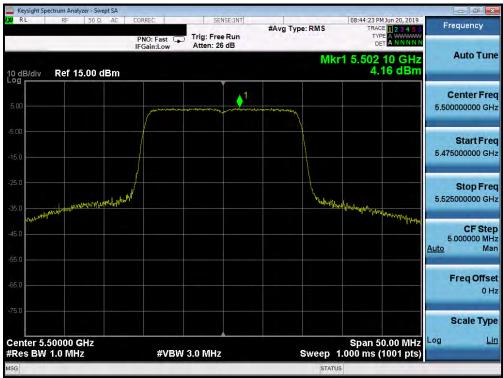
Plot 7-254. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax - Full Tones (UNII Band 2A) - Ch. 62)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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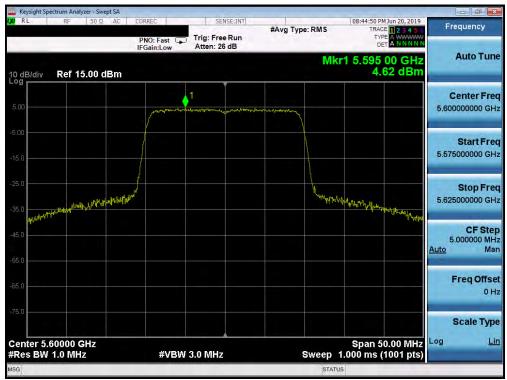
Plot 7-255. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax - Full Tones (UNII Band 2A) - Ch. 58)



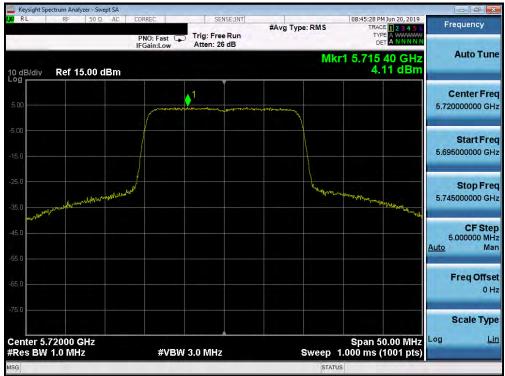
Plot 7-256. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 100)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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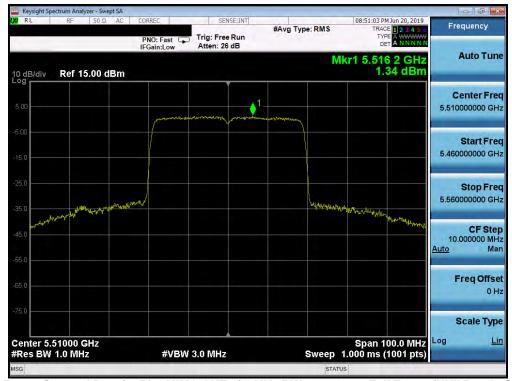
Plot 7-257. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 120)



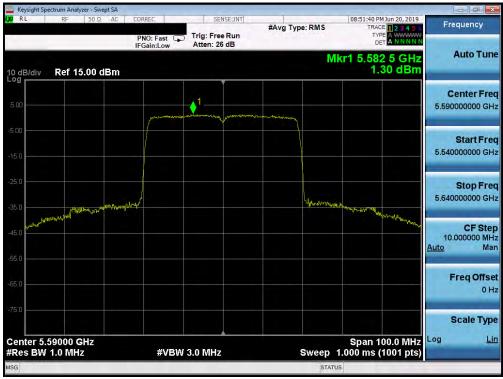
Plot 7-258. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 144)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-259. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 102)



Plot 7-260. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 118)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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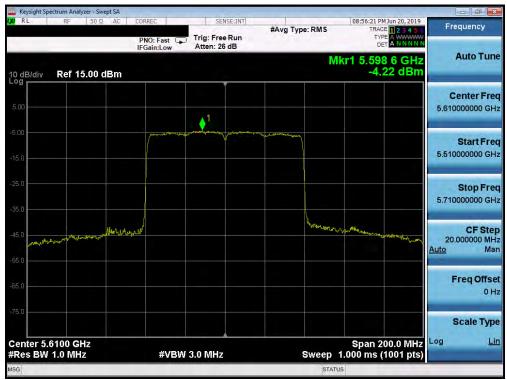
Plot 7-261. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 142)



Plot 7-262. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 106)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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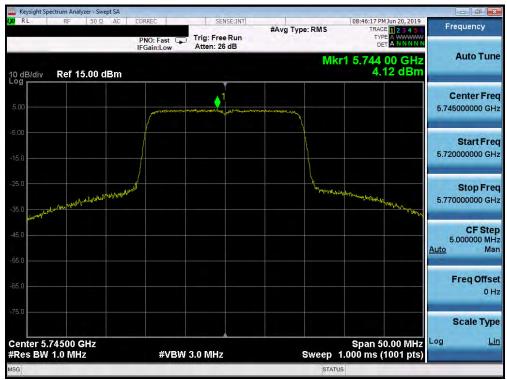
Plot 7-263. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 122)



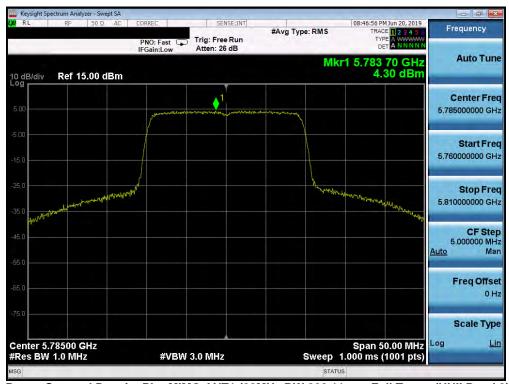
Plot 7-264. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 138)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-265. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax - Full Tones (UNII Band 3) - Ch. 149)



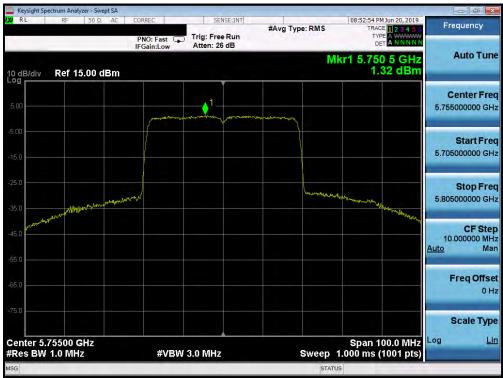
Plot 7-266. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax - Full Tones (UNII Band 3) - Ch. 157)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-267. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax - Full Tones (UNII Band 3) - Ch. 165)



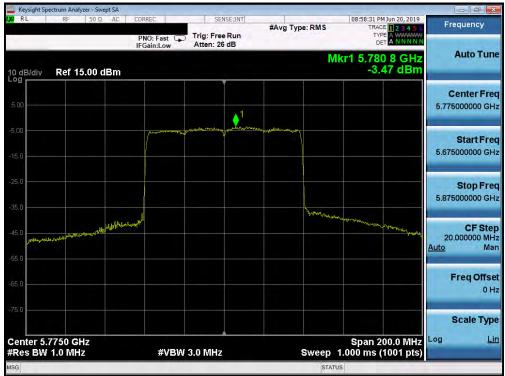
Plot 7-268. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax - Full Tones (UNII Band 3) - Ch. 151)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-269. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax - Full Tones (UNII Band 3) - Ch. 159)

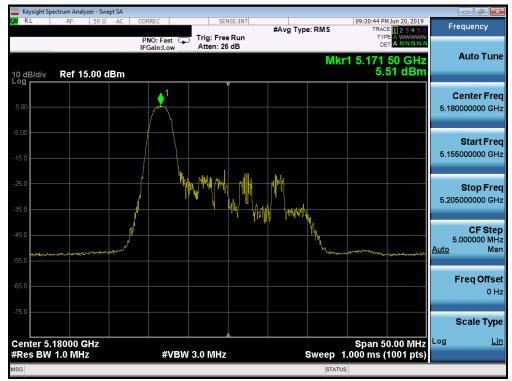


Plot 7-270. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax - Full Tones (UNII Band 3) - Ch. 155)

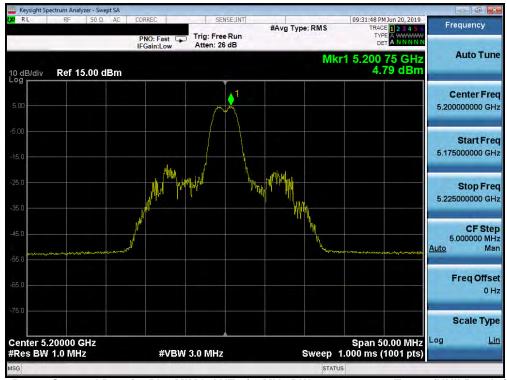
FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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MIMO Antenna-2 Power Spectral Density Measurements (26 Tones)



Plot 7-271. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - 26 Tones (UNII Band 1) - Ch. 36)



Plot 7-272. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - 26 Tones (UNII Band 1) - Ch. 40)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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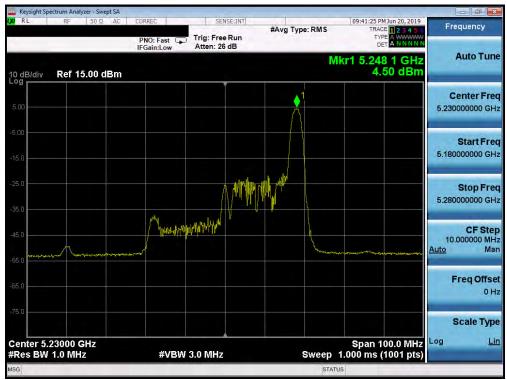
Plot 7-273. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - 26 Tones (UNII Band 1) - Ch. 48)



Plot 7-274. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - 26 Tones (UNII Band 1) - Ch. 38)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-275. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - 26 Tones (UNII Band 1) - Ch. 46)



Plot 7-276. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax - 26 Tones (UNII Band 1) - Ch. 42)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-277. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - 26 Tones (UNII Band 2A) - Ch. 52)



Plot 7-278. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - 26 Tones (UNII Band 2A) - Ch. 56)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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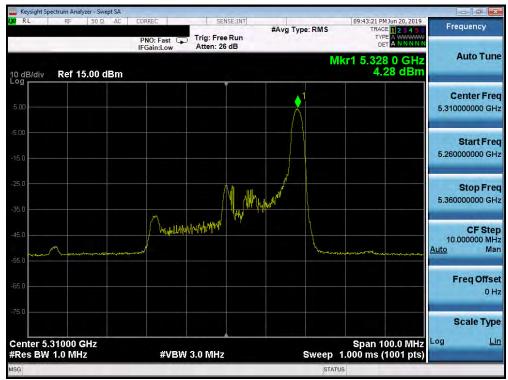
Plot 7-279. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - 26 Tones (UNII Band 2A) - Ch. 64)



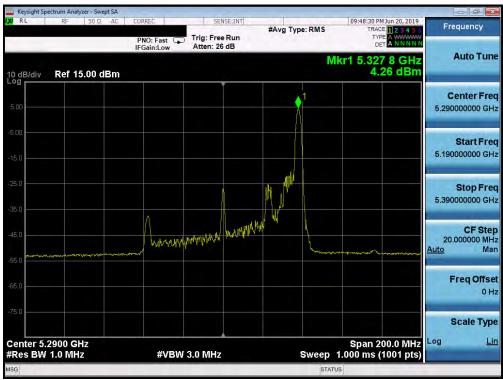
Plot 7-280. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - 26 Tones (UNII Band 2A) - Ch. 54)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-281. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - 26 Tones (UNII Band 2A) - Ch. 62)



Plot 7-282. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax - 26 Tones (UNII Band 2A) - Ch. 58)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-283. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax – 26 Tones (UNII Band 2C) – Ch. 100)



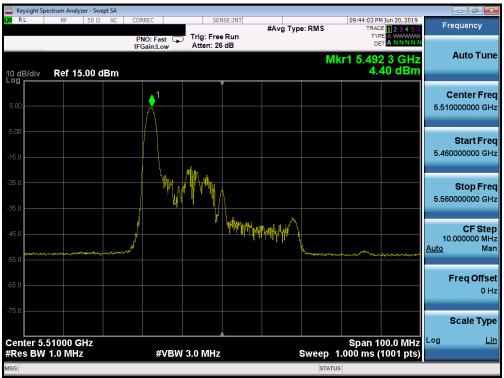
Plot 7-284. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - 26 Tones (UNII Band 2C) - Ch. 120)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-285. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - 26 Tones (UNII Band 2C) - Ch. 144)



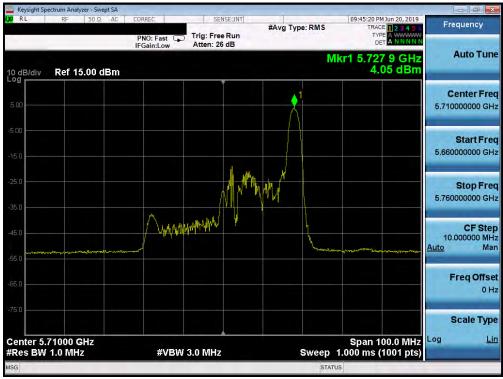
Plot 7-286. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - 26 Tones (UNII Band 2C) - Ch. 102)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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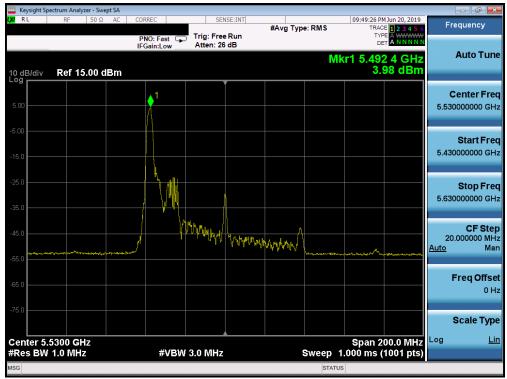
Plot 7-287. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - 26 Tones (UNII Band 2C) - Ch. 118)



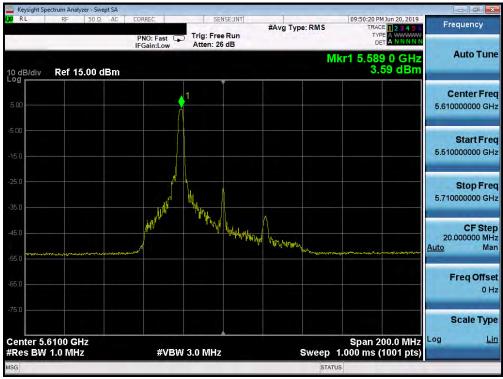
Plot 7-288. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - 26 Tones (UNII Band 2C) - Ch. 142)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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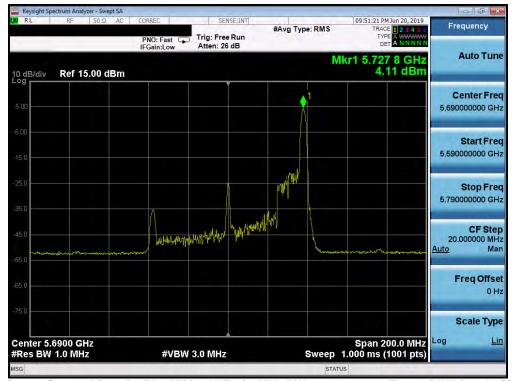
Plot 7-289. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax - 26 Tones (UNII Band 2C) - Ch. 106)



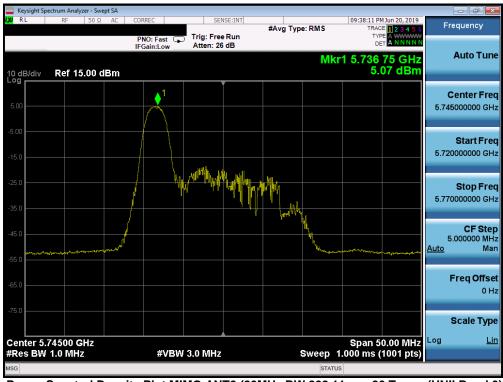
Plot 7-290. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax - 26 Tones (UNII Band 2C) - Ch. 122)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-291. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax - 26 Tones (UNII Band 2C) - Ch. 138)



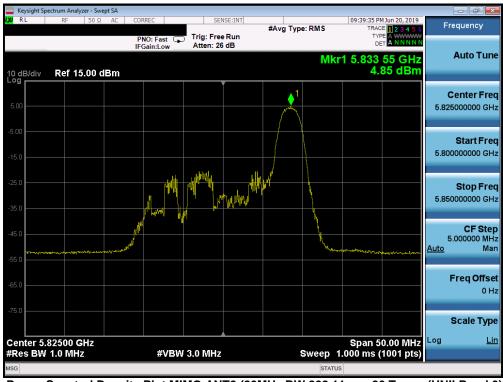
Plot 7-292. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - 26 Tones (UNII Band 3) - Ch. 149)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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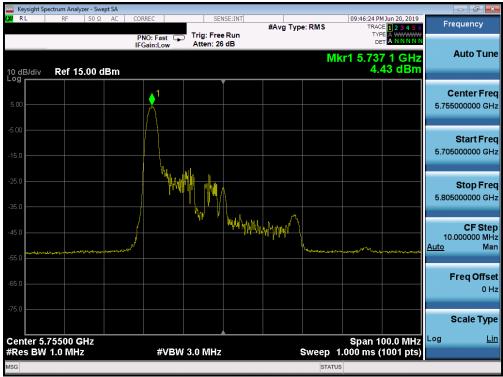
Plot 7-293. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - 26 Tones (UNII Band 3) - Ch. 157)



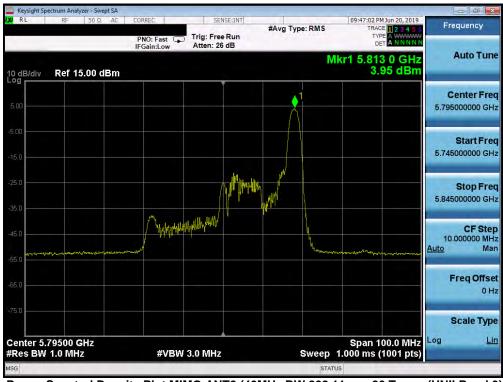
Plot 7-294. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - 26 Tones (UNII Band 3) - Ch. 165)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	AMSUNG	Approved by: Quality Manager
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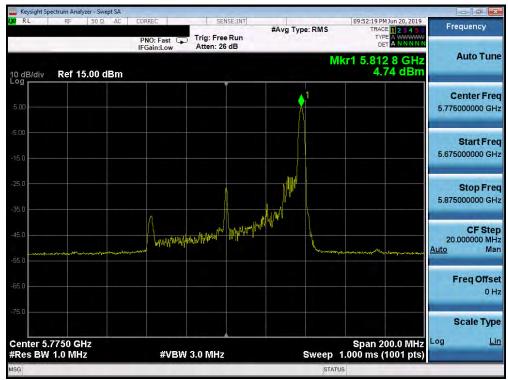
Plot 7-295. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - 26 Tones (UNII Band 3) - Ch. 151)



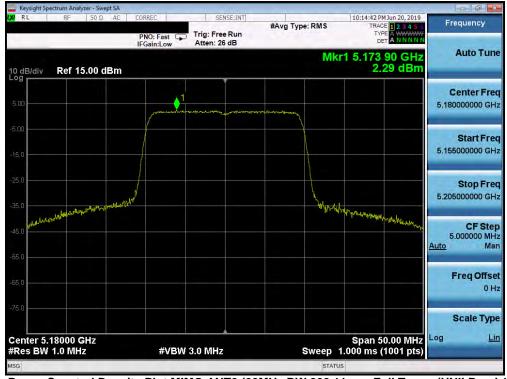
Plot 7-296. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - 26 Tones (UNII Band 3) - Ch. 159)

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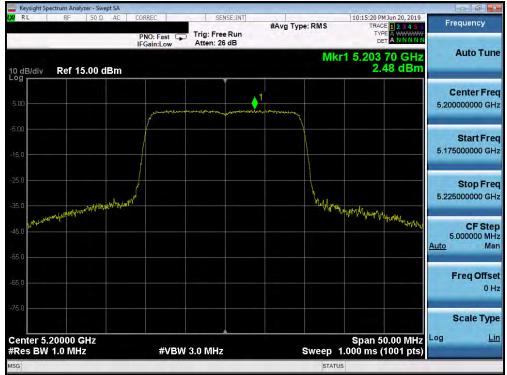
Plot 7-297. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax - 26 Tones (UNII Band 3) - Ch. 155)



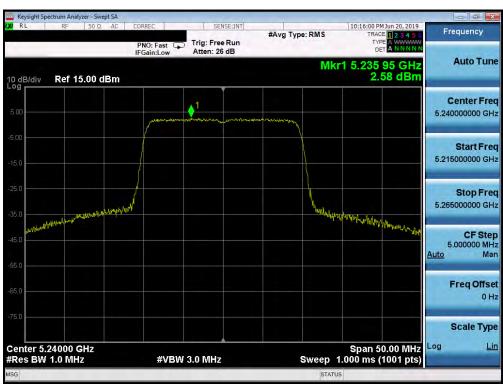
Plot 7-298. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - Full Tones (UNII Band 1) - Ch. 36)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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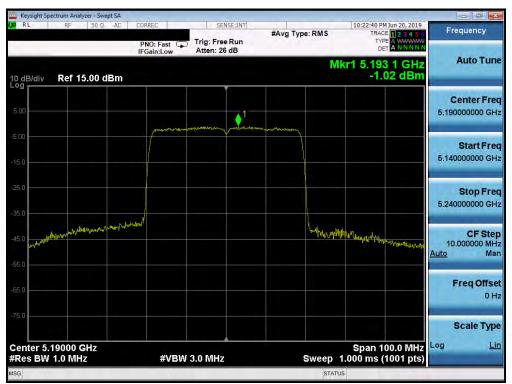
Plot 7-299. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - Full Tones (UNII Band 1) - Ch. 40)



Plot 7-300. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - Full Tones (UNII Band 1) - Ch. 48)

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Plot 7-301. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - Full Tones (UNII Band 1) - Ch. 38)



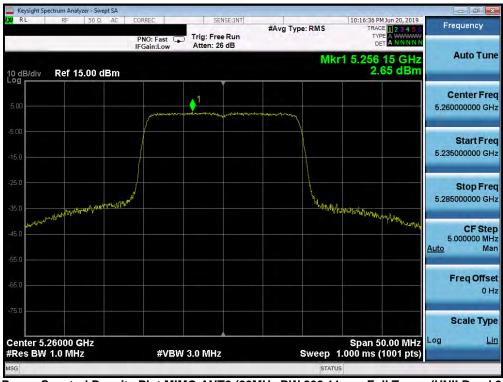
Plot 7-302. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - Full Tones (UNII Band 1) - Ch. 46)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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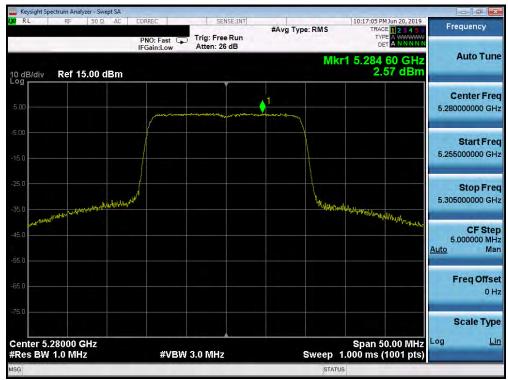
Plot 7-303. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax - Full Tones (UNII Band 1) - Ch. 42)



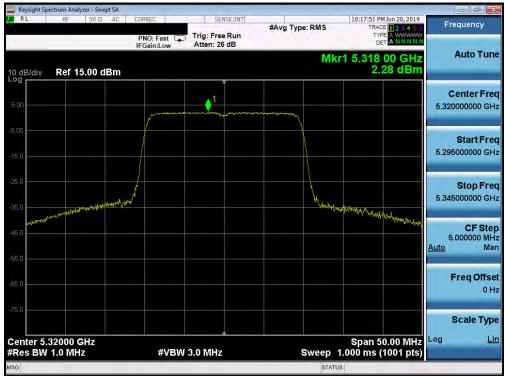
Plot 7-304. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - Full Tones (UNII Band 2A) - Ch. 52)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-305. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - Full Tones (UNII Band 2A) - Ch. 56)



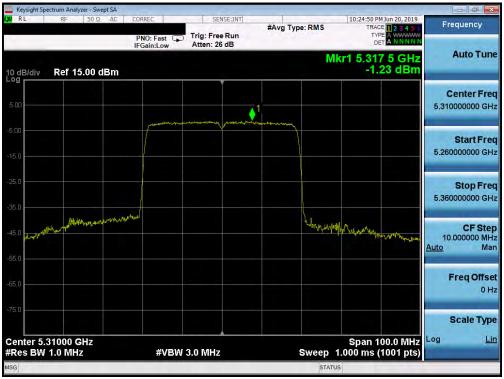
Plot 7-306. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - Full Tones (UNII Band 2A) - Ch. 64)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-307. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - Full Tones (UNII Band 2A) - Ch. 54)



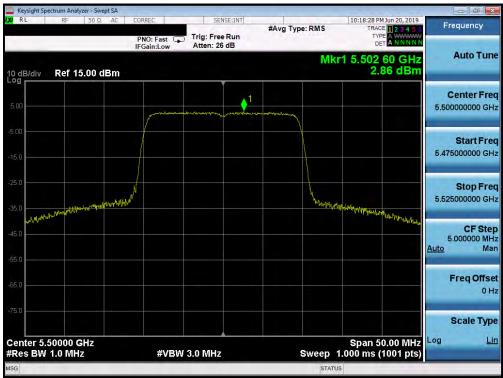
Plot 7-308. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - Full Tones (UNII Band 2A) - Ch. 62)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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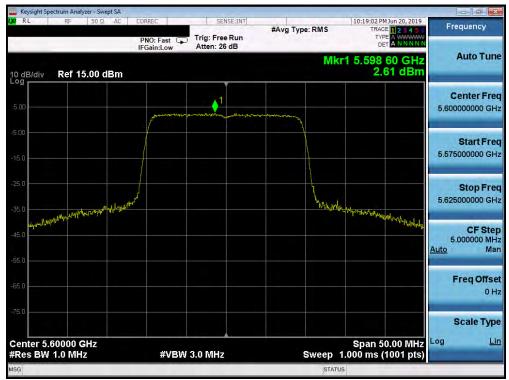
Plot 7-309. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax - Full Tones (UNII Band 2A) - Ch. 58)



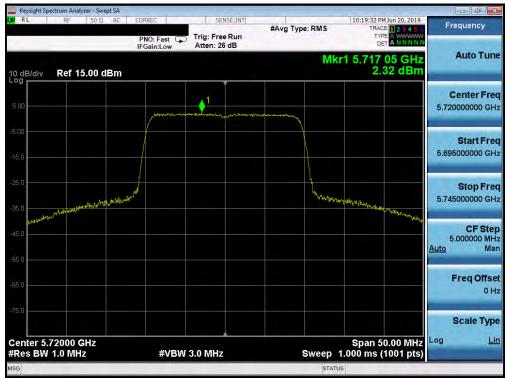
Plot 7-310. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 100)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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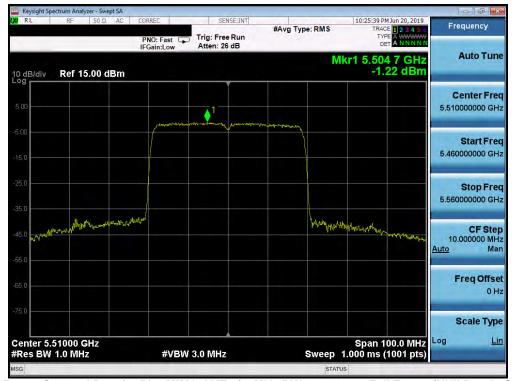
Plot 7-311. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 120)



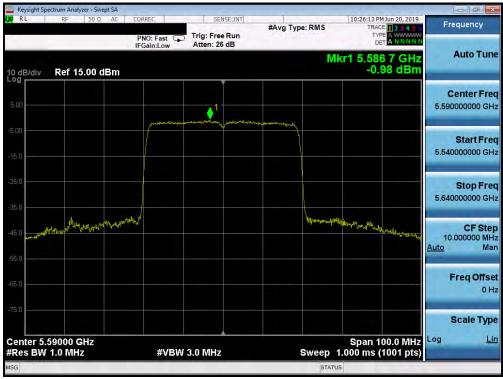
Plot 7-312. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 144)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-313. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 102)



Plot 7-314. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 118)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-315. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 142)



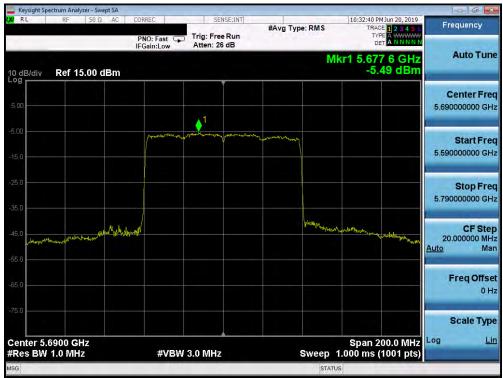
Plot 7-316. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 106)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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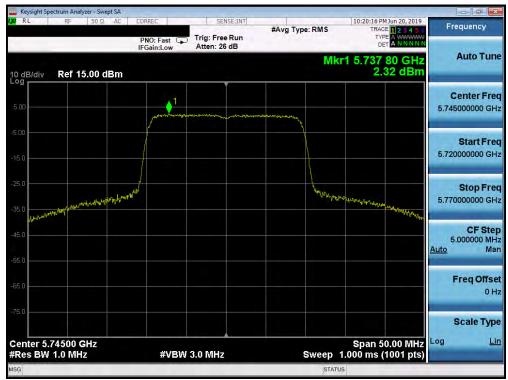
Plot 7-317. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 122)



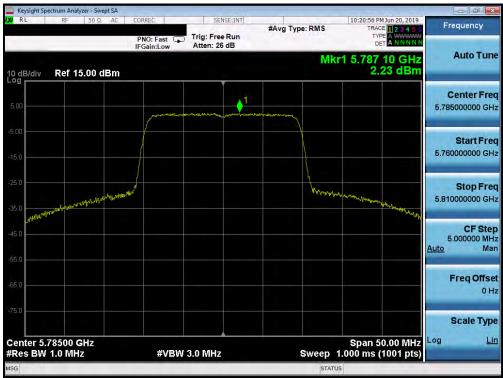
Plot 7-318. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax - Full Tones (UNII Band 2C) - Ch. 138)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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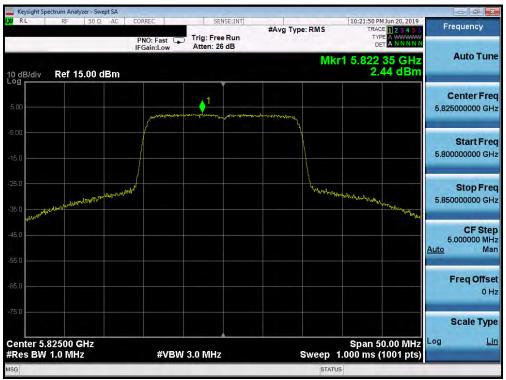
Plot 7-319. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - Full Tones (UNII Band 3) - Ch. 149)



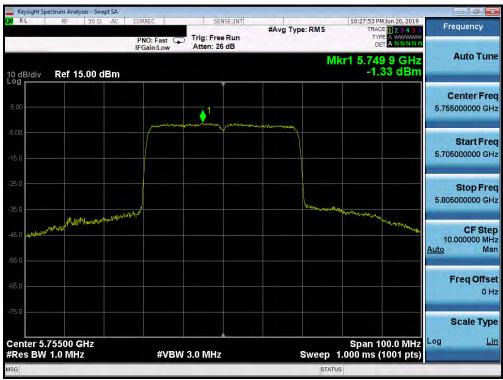
Plot 7-320. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - Full Tones (UNII Band 3) - Ch. 157)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-321. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax - Full Tones (UNII Band 3) - Ch. 165)



Plot 7-322. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - Full Tones (UNII Band 3) - Ch. 151)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-323. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax - Full Tones (UNII Band 3) - Ch. 159)



Plot 7-324. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax - Full Tones (UNII Band 3) - Ch. 155)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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7.6 Radiated Spurious Emission Measurements – Above 1GHz §15.407(b) §15.205 §15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels, modes (e.g. 26 Tones, 52 Tones, 106 Tones, 242 Tones, 484 Tones and 996 Tones), and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

For transmitters operating in the 5.15-5.25 GHz and 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of −27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 6 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-30 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μV/m]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-73. Radiated Limits

Test Procedures Used

ANSI C63.10-2013 – Sections 12.7.7.2, 12.7.6, 12.7.5 KDB 789033 D02 v02r01 – Section G

Test Settings

Average Measurements above 1GHz (Method AD)

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- Detector = power average (RMS)
- Number of measurement points = 1001 (Number of points must be ≥ 2 x span/RBW)
- 6. Averaging type = power (RMS)
- 7. Sweep time = auto couple
- 8. Trace was averaged over 100 sweeps

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Peak Measurements above 1GHz

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

Peak Measurements below 1GHz

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. Span was set greater than 1MHz
- 3. RBW = 120kHz
- 4. Detector = CISPR quasi-peak
- 5. Sweep time = auto couple
- 6. Trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

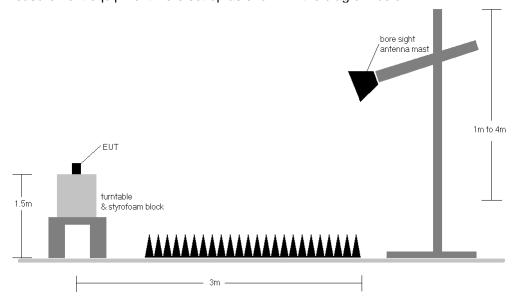


Figure 7-5. Test Instrument & Measurement Setup

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Test Notes

- 1. All emissions that lie in the restricted bands (denoted by a * next to the frequency) specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-30.
- 2. All spurious emissions lying in restricted bands specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-30. All spurious emissions that do not lie in a restricted band are subject to a peak limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
- 3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
- 4. This unit was tested with its standard battery.
- 5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas. The worst-case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
- 6. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
- 8. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 9. For radiated measurements, emissions were investigated for the fully-loaded RU configuration and for all of the partially-loaded RU configurations. Among all of the available partially-loaded RU configurations, only the configuration with the worst case emissions is reported.

Sample Calculations

Determining Spurious Emissions Levels

- Field Strength Level [dBμV/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- O AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB]
- O Margin [dB] = Field Strength Level [dBμV/m] Limit [dBμV/m]

Radiated Band Edge Measurement Offset

The amplitude offset shown in the radiated restricted band edge plots in Section Radiated Spurious
 Emission Measurements – Above 1GHz was calculated using the formula:

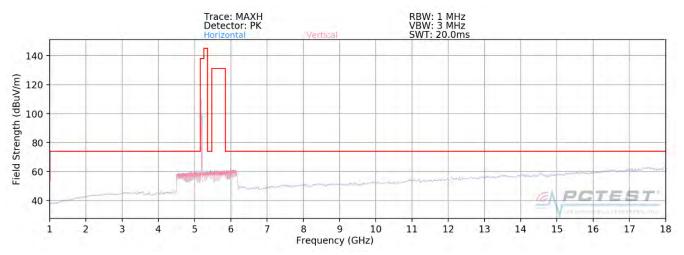
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

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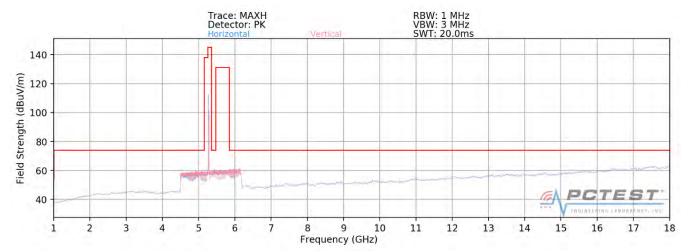


7.6.1 SISO Antenna-1 Radiated Spurious Emission Measurements

26 Tones



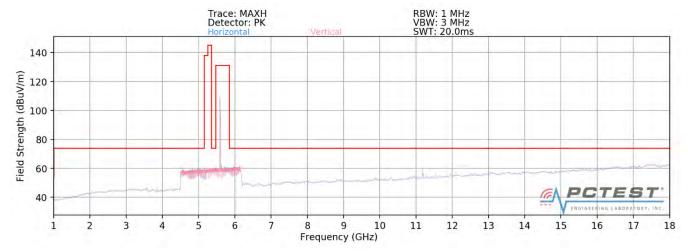
Plot 7-325. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11ax - U1 Ch. 40 - 26 Tones)



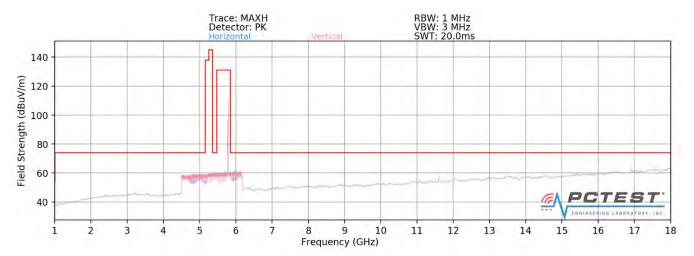
Plot 7-326. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11ax – U2A Ch. 56 – 26 Tones)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-327. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11ax – U2C Ch. 120 – 26 Tones)

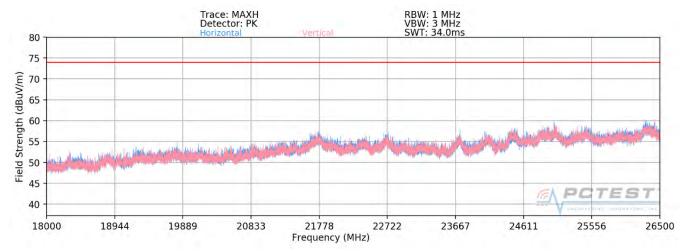


Plot 7-328. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11ax – U3 Ch. 157 – 26 Tones)

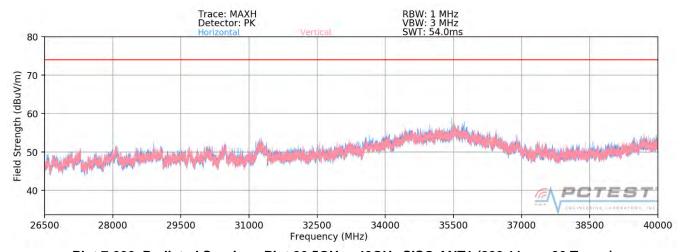
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SISO Antenna-1 Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-329. Radiated Spurious Plot 18GHz - 26.5GHz SISO ANT1 (802.11ax - 26 Tones)



Plot 7-330. Radiated Spurious Plot 26.5GHz - 40GHz SISO ANT1 (802.11ax - 26 Tones)

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SISO Antenna-1 Radiated Spurious Emission Measurements (26 Tones)

§15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5180MHz

Channel: 36

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
ĺ	10360.00	Peak	Н	111	351	-62.49	12.53	0.00	57.04	68.20	-11.16
*	15540.00	Average	Н	-	-	-84.05	15.14	0.00	38.09	53.98	-15.89
*	15540.00	Peak	Н	-	-	-72.50	15.14	0.00	49.64	73.98	-24.34
*	20720.00	Average	Н	-	-	-77.71	7.63	-9.54	27.38	53.98	-26.60
*	20720.00	Peak	Н	-	-	-66.66	7.63	-9.54	38.43	73.98	-35.55
	25900.00	Peak	Н	-	-	-64.01	9.80	-9.54	43.25	68.20	-24.95

Table 7-74. Radiated Measurements SISO ANT1 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5200MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10400.00	Peak	Н	114	21	-64.11	12.41	0.00	55.30	68.20	-12.90
*	15600.00	Average	Н	-	-	-84.46	15.35	0.00	37.89	53.98	-16.09
*	15600.00	Peak	Н	-	-	-72.66	15.35	0.00	49.69	73.98	-24.29
*	20800.00	Average	Н	-	-	-77.51	7.77	-9.54	27.72	53.98	-26.26
*	20800.00	Peak	Н	-	-	-66.55	7.77	-9.54	38.68	73.98	-35.30
	26000.00	Peak	Н	-	-	-65.36	10.06	-9.54	42.16	68.20	-26.04

Table 7-75. Radiated Measurements SISO ANT1 (26 Tones)

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Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5240MHz

Channel: 48

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
I	10480.00	Peak	Н	111	17	-63.40	12.50	0.00	56.10	68.20	-12.10
*	15720.00	Average	Н	-	-	-84.72	16.80	0.00	39.08	53.98	-14.90
*	15720.00	Peak	Н	-	-	-72.14	16.80	0.00	51.66	73.98	-22.32
*	20960.00	Average	Н	-	-	-77.56	8.06	-9.54	27.96	53.98	-26.02
*	20960.00	Peak	Н	-	-	-66.77	8.06	-9.54	38.75	73.98	-35.23
	26200.00	Peak	Н	-	-	-65.14	10.19	-9.54	42.51	68.20	-25.69

Table 7-76. Radiated Measurements SISO ANT1 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5260MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10520.00	Peak	Н	352	10	-65.21	13.15	0.00	54.94	68.20	-13.26
*	15780.00	Average	Н	-	-	-84.39	16.11	0.00	38.72	53.98	-15.26
*	15780.00	Peak	Н	-	-	-72.74	16.11	0.00	50.37	73.98	-23.61
*	21040.00	Average	Н	-	-	-77.48	8.13	-9.54	28.11	53.98	-25.87
*	21040.00	Peak	Н	-	-	-66.86	8.13	-9.54	38.73	73.98	-35.25
	26300.00	Peak	Н	-	-	-64.38	10.75	-9.54	43.83	68.20	-24.37

Table 7-77. Radiated Measurements SISO ANT1 (26 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5280MHz

Channel: 56

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10560.00	Peak	Н	335	193	-64.48	13.67	0.00	56.19	68.20	-12.01
*	15840.00	Average	Н	-	-	-84.22	15.45	0.00	38.23	53.98	-15.75
*	15840.00	Peak	Н	-	-	-72.06	15.45	0.00	50.39	73.98	-23.59
*	21120.00	Average	Н	-	-	-77.11	8.29	-9.54	28.64	53.98	-25.34
*	21120.00	Peak	Н	-	-	-65.99	8.29	-9.54	39.76	73.98	-34.22
	26400.00	Peak	Н	-	-	-65.02	10.53	-9.54	42.97	68.20	-25.23

Table 7-78. Radiated Measurements SISO ANT1 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5320MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	10640.00	Average	Н	115	14	-77.11	14.01	0.00	43.19	53.98	-10.79
*	10640.00	Peak	Н	115	14	-65.01	14.01	0.00	55.71	73.98	-18.27
*	15960.00	Average	Н	340	40	-80.43	15.52	0.00	40.09	53.98	-13.89
*	15960.00	Peak	Н	340	40	-68.55	15.52	0.00	52.50	73.98	-21.48
*	21280.00	Average	Н		-	-77.31	8.44	-9.54	28.64	53.98	-25.34
*	21280.00	Peak	Н	-	-	-66.02	8.44	-9.54	39.64	73.98	-34.34
	26600.00	Peak	Н	-	-	-51.75	-5.12	-9.54	40.70	68.20	-27.50

Table 7-79. Radiated Measurements SISO ANT1 (26 Tones)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5500MHz

Channel: 100

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11000.00	Average	Н	371	180	-75.95	13.97	0.00	45.02	53.98	-8.96
*	11000.00	Peak	Н	371	180	-59.19	13.97	0.00	61.78	73.98	-12.20
	16500.00	Peak	Н	-	ı	-72.08	16.35	0.00	51.27	68.20	-16.93
	22000.00	Peak	Н	-	-	-65.70	8.89	-9.54	40.65	68.20	-27.55
ĺ	27500.00	Peak	Н	-	-	-50.26	-6.38	-9.54	40.82	68.20	-27.38

Table 7-80. Radiated Measurements SISO ANT1 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5600MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11200.00	Average	Н	324	180	-75.31	14.01	0.00	45.70	53.98	-8.28
*	11200.00	Peak	Н	324	180	-60.09	14.01	0.00	60.92	73.98	-13.06
	16800.00	Peak	Н	-	-	-72.05	17.24	0.00	52.19	68.20	-16.01
*	22400.00	Average	Н	-	-	-77.83	9.64	-9.54	29.27	53.98	-24.71
*	22400.00	Peak	Н	-	-	-66.85	9.64	-9.54	40.25	73.98	-33.73
	28000.00	Peak	Н	-	-	-51.40	-4.74	-9.54	41.32	68.20	-26.88

Table 7-81. Radiated Measurements SISO ANT1 (26 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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4

Worst Case Transfer Rate: MCS0

RU Index:

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5720MHz

Channel: 144

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11440.00	Average	Н	318	186	-76.36	14.87	0.00	45.51	53.98	-8.47
*	11440.00	Peak	Н	318	186	-61.33	14.87	0.00	60.54	73.98	-13.44
	17160.00	Peak	Н	-	-	-71.62	19.17	0.00	54.55	68.20	-13.65
*	22880.00	Average	Н	-	-	-77.91	9.34	-9.54	28.89	53.98	-25.09
*	22880.00	Peak	Н	-	-	-66.96	9.34	-9.54	39.84	73.98	-34.14
	28600.00	Peak	Н	-	-	-51.75	-6.22	-9.54	39.49	68.20	-28.71

Table 7-82. Radiated Measurements SISO ANT1 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5745MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11490.00	Average	Н	326	181	-76.88	14.52	0.00	44.64	53.98	-9.34
*	11490.00	Peak	Н	326	181	-62.59	14.52	0.00	58.93	73.98	-15.05
ĺ	17235.00	Peak	Н	-	-	-71.61	19.51	0.00	54.90	68.20	-13.30
*	22980.00	Average	Н	-	-	-77.85	9.49	-9.54	29.10	53.98	-24.88
*	22980.00	Peak	Н	-	-	-66.09	9.49	-9.54	40.86	73.98	-33.12
	28725.00	Peak	Н	-	-	-50.63	-5.89	-9.54	40.94	68.20	-27.26

Table 7-83. Radiated Measurements SISO ANT1 (26 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5785MHz

Channel: 157

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11570.00	Average	Н	113	174	-75.59	14.79	0.00	46.20	53.98	-7.77
*	11570.00	Peak	Н	113	174	-60.41	14.79	0.00	61.38	73.98	-12.59
	17355.00	Peak	Н	-	•	-74.20	23.18	0.00	55.98	68.20	-12.22
	23140.00	Peak	Н	-	ı	-66.76	9.28	-9.54	39.98	68.20	-28.22
	28925.00	Peak	Н	-	ı	-51.23	-5.04	-9.54	41.19	68.20	-27.01

Table 7-84. Radiated Measurements SISO ANT1 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency:

5825MHz

Channel:

165

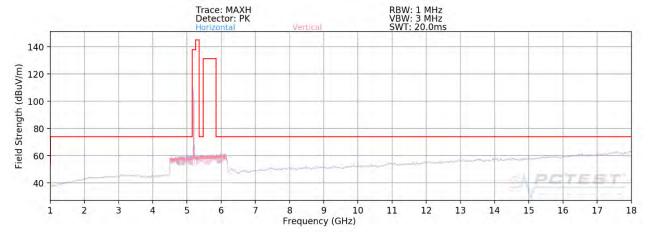
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11650.00	Average	Н	112	174	-76.41	15.05	0.00	45.64	53.98	-8.34
*	11650.00	Peak	Н	112	174	-61.92	15.05	0.00	60.13	73.98	-13.85
	17475.00	Peak	Н	-	-	-75.49	22.03	0.00	53.54	68.20	-14.66
	23300.00	Peak	Н	-	1	-66.40	8.86	-9.54	39.92	68.20	-28.28
	29125.00	Peak	н	-	ı	-50.79	-7.31	-9.54	39.36	68.20	-28.84

Table 7-85. Radiated Measurements SISO ANT1 (26 Tones)

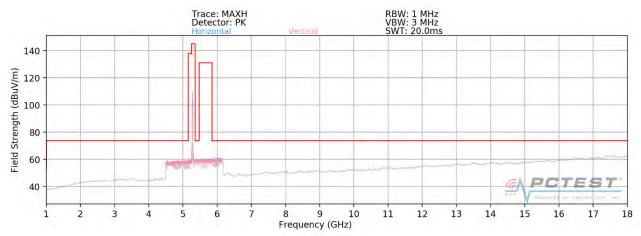
FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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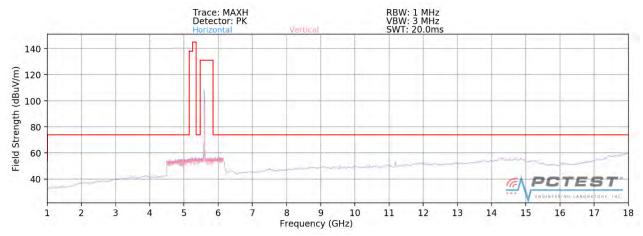
242 Tones



Plot 7-331. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11ax - U1 Ch. 40 - 242 Tones)



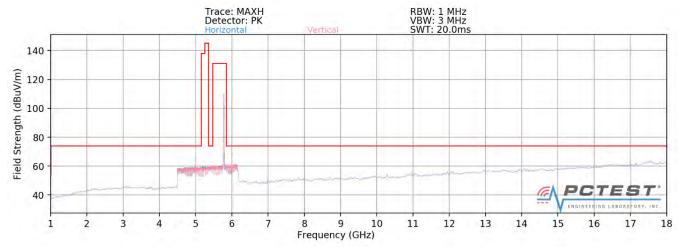
Plot 7-332. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11ax – U2A Ch. 56 – 242 Tones)



Plot 7-333. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11ax - U2C Ch. 120 - 242 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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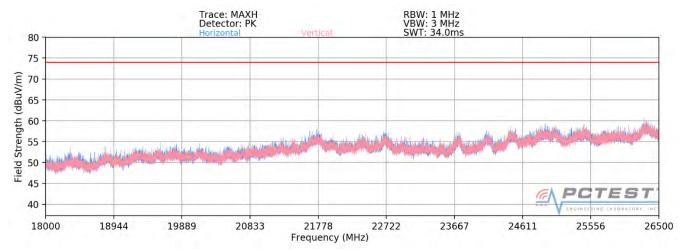


Plot 7-334. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11ax – U3 Ch. 157 – 242 Tones)

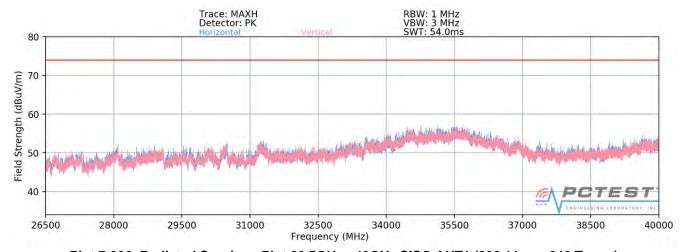
FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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SISO Antenna-1 Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-335. Radiated Spurious Plot 18GHz - 26.5GHz SISO ANT1 (802.11ax - 242 Tones)



Plot 7-336. Radiated Spurious Plot 26.5GHz - 40GHz SISO ANT1 (802.11ax - 242 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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SISO Antenna-1 Radiated Spurious Emission Measurements (242 Tones)

§15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 61

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5180MHz

Channel: 36

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10360.00	Peak	Н	358	6	-66.38	12.53	0.00	53.15	68.20	-15.05
*	15540.00	Average	Н	376	46	-81.64	15.14	0.00	40.50	53.98	-13.48
*	15540.00	Peak	Н	376	46	-69.36	15.14	0.00	52.78	73.98	-21.20
*	20720.00	Average	Н	-	-	-77.65	7.63	-9.54	27.44	53.98	-26.54
*	20720.00	Peak	Н	-	-	-66.38	7.63	-9.54	38.71	73.98	-35.27
	25900.00	Peak	Н	-	-	-64.91	9.80	-9.54	42.35	68.20	-25.85

Table 7-86. Radiated Measurements SISO ANT1 (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 61

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5200MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10400.00	Peak	Н	114	10	-62.58	12.41	0.00	56.83	68.20	-11.37
*	15600.00	Average	Н	307	40	-80.11	15.35	0.00	42.24	53.98	-11.74
*	15600.00	Peak	Н	307	40	-67.00	15.35	0.00	55.35	73.98	-18.63
*	20800.00	Average	Н	-	-	-77.69	7.77	-9.54	27.54	53.98	-26.44
*	20800.00	Peak	Н	-	-	-65.95	7.77	-9.54	39.28	73.98	-34.70
	26000.00	Peak	Н	150	302	-54.11	10.06	-9.54	53.41	68.20	-14.79

Table 7-87. Radiated Measurements SISO ANT1 (242 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Transfer Rate: MCS0

RU Index: 61

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5240MHz

Channel: 48

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
ĺ	10480.00	Peak	Н	113	9	-60.98	12.50	0.00	58.52	68.20	-9.68
*	15720.00	Average	Н	235	31	-80.80	16.80	0.00	43.00	53.98	-10.98
*	15720.00	Peak	Н	235	31	-68.64	16.80	0.00	55.16	73.98	-18.82
*	20960.00	Average	Н	-	-	-77.42	8.06	-9.54	28.10	53.98	-25.88
*	20960.00	Peak	Н	-	-	-66.11	8.06	-9.54	39.41	73.98	-34.57
ĺ	26200.00	Peak	Н	150	302	-54.98	10.19	-9.54	52.67	68.20	-15.53

Table 7-88. Radiated Measurements SISO ANT1 (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 61

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5260MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10520.00	Peak	Н	114	6	-62.33	13.15	0.00	57.82	68.20	-10.38
*	15780.00	Average	Н	234	37	-81.68	16.11	0.00	41.43	53.98	-12.55
*	15780.00	Peak	Н	234	37	-69.31	16.11	0.00	53.80	73.98	-20.18
*	21040.00	Average	Н	-	-	-77.61	8.13	-9.54	27.98	53.98	-26.00
*	21040.00	Peak	Н	-	-	-66.54	8.13	-9.54	39.05	73.98	-34.93
	26300.00	Peak	Н	150	300	-57.60	10.75	-9.54	50.61	68.20	-17.59

Table 7-89. Radiated Measurements SISO ANT1 (242 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Transfer Rate: MCS0

RU Index: 61

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5280MHz

Channel: 56

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10560.00	Peak	Н	113	2	-63.60	13.67	0.00	57.07	68.20	-11.13
*	15840.00	Average	Н	228	27	-81.29	15.45	0.00	41.16	53.98	-12.82
*	15840.00	Peak	Н	228	27	-69.10	15.45	0.00	53.35	73.98	-20.63
*	21120.00	Average	Н	-	-	-77.40	8.29	-9.54	28.35	53.98	-25.63
*	21120.00	Peak	Н	-	-	-65.80	8.29	-9.54	39.95	73.98	-34.03
	26400.00	Peak	Н	150	301	-54.97	10.53	-9.54	53.02	68.20	-15.18

Table 7-90. Radiated Measurements SISO ANT1 (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 61

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5320MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	10640.00	Average	Н	112	12	-77.82	14.01	0.00	43.19	53.98	-10.79
*	10640.00	Peak	Н	112	12	-65.30	14.01	0.00	55.71	73.98	-18.27
*	15960.00	Average	Н	345	38	-82.43	15.52	0.00	40.09	53.98	-13.89
*	15960.00	Peak	Н	345	38	-70.02	15.52	0.00	52.50	73.98	-21.48
*	21280.00	Average	Н	-	-	-77.06	8.44	-9.54	28.84	53.98	-25.14
*	21280.00	Peak	Н	-	-	-66.19	8.44	-9.54	39.71	73.98	-34.27
ĺ	26600.00	Peak	Н	150	261	-51.67	-5.12	-9.54	40.67	68.20	-27.53

Table 7-91. Radiated Measurements SISO ANT1 (242 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Transfer Rate: MCS0

RU Index: 61

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5500MHz

Channel: 100

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11000.00	Average	Н	112	10	-73.99	13.97	0.00	46.98	53.98	-7.00
*	11000.00	Peak	Н	112	10	-62.33	13.97	0.00	58.64	73.98	-15.34
	16500.00	Peak	Н	259	14	-68.91	16.35	0.00	54.44	68.20	-13.76
	22000.00	Peak	Н	-	ı	-66.13	8.89	-9.54	40.22	68.20	-27.98
	27500.00	Peak	Н	150	316	-44.28	-6.38	-9.54	46.80	68.20	-21.40

Table 7-92. Radiated Measurements SISO ANT1 (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 61

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5600MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11200.00	Average	Н	111	11	-74.46	14.01	0.00	46.55	53.98	-7.43
*	11200.00	Peak	Н	111	11	-63.06	14.01	0.00	57.95	73.98	-16.03
	16800.00	Peak	Н	227	7	-68.41	17.24	0.00	55.83	68.20	-12.37
*	22400.00	Average	Н	-	-	-77.79	9.64	-9.54	29.31	53.98	-24.67
*	22400.00	Peak	Н		-	-65.87	9.64	-9.54	41.23	73.98	-32.75
	28000.00	Peak	Н	150	313	-47.94	-4.74	-9.54	44.78	68.20	-23.42

Table 7-93. Radiated Measurements SISO ANT1 (242 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Transfer Rate: MCS0

RU Index: 61

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5720MHz

Channel: 144

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11440.00	Average	Н	332	8	-75.57	14.87	0.00	46.30	53.98	-7.68
*	11440.00	Peak	Н	332	8	-62.11	14.87	0.00	59.76	73.98	-14.22
	17160.00	Peak	Н	270	14	-70.23	19.17	0.00	55.94	68.20	-12.26
*	22880.00	Average	Н	-	-	-77.87	9.34	-9.54	28.93	53.98	-25.05
*	22880.00	Peak	Н	-	-	-66.55	9.34	-9.54	40.25	73.98	-33.73
ĺ	28600.00	Peak	Н	150	305	-48.40	-6.22	-9.54	42.84	68.20	-25.36

Table 7-94. Radiated Measurements SISO ANT1 (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 61

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5745MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11490.00	Average	Н	340	9	-73.98	14.52	0.00	47.54	53.98	-6.44
*	11490.00	Peak	Н	340	9	-61.36	14.52	0.00	60.16	73.98	-13.82
	17235.00	Peak	Н	268	12	-70.07	19.51	0.00	56.44	68.20	-11.76
*	22980.00	Average	Н	150	296	-76.73	9.49	-9.54	30.22	53.98	-23.76
*	22980.00	Peak	Н	150	296	-65.99	9.49	-9.54	40.96	73.98	-33.02
	28725.00	Peak	Н	150	307	-47.23	-5.89	-9.54	44.34	68.20	-23.86

Table 7-95. Radiated Measurements SISO ANT1 (242 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Transfer Rate: MCS0

RU Index: 61

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5785MHz

Channel: 157

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11570.00	Average	Н	112	9	-74.68	14.79	0.00	47.11	53.98	-6.86
*	11570.00	Peak	Н	112	9	-61.43	14.79	0.00	60.36	73.98	-13.61
	17355.00	Peak	Н	-	1	-72.41	23.18	0.00	57.77	68.20	-10.43
	23140.00	Peak	Н	-	ı	-66.74	9.28	-9.54	40.00	68.20	-28.20
	28925.00	Peak	Н	100	305	-51.00	-5.04	-9.54	41.42	68.20	-26.78

Table 7-96. Radiated Measurements SISO ANT1 (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 61

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 58

5825MHz

Channel:

165

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11650.00	Average	Н	326	7	-72.95	15.05	0.00	49.10	53.98	-4.88
*	11650.00	Peak	Н	326	7	-60.43	15.05	0.00	61.62	73.98	-12.36
	17475.00	Peak	Н	-	-	-71.26	22.03	0.00	57.77	68.20	-10.43
	23300.00	Peak	Н	150	299	-64.18	8.86	-9.54	42.14	68.20	-26.06
	29125.00	Peak	н	100	304	-47.86	-7.31	-9.54	42.29	68.20	-25.91

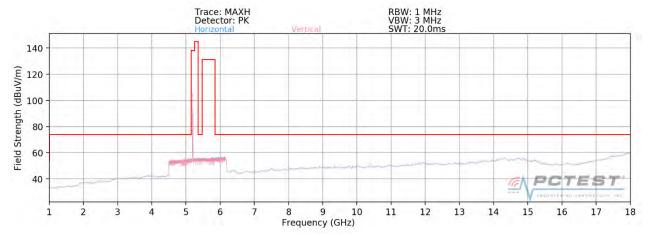
Table 7-97. Radiated Measurements SISO ANT1 (242 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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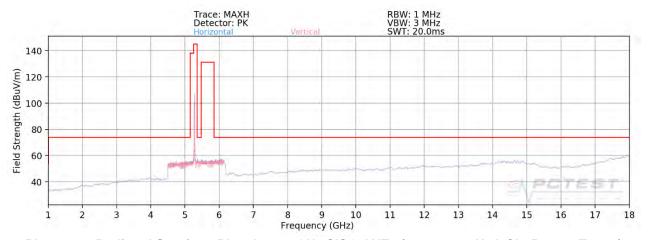


7.6.2 SISO Antenna-2 Radiated Spurious Emission Measurements

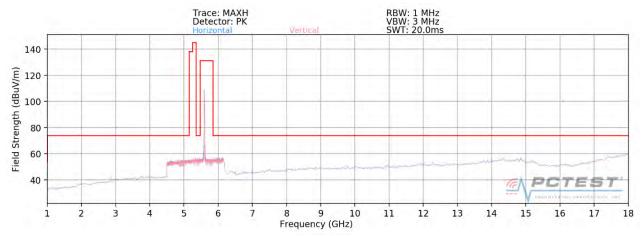
26 Tones



Plot 7-337. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax - U1 Ch. 40 - 26 Tones)



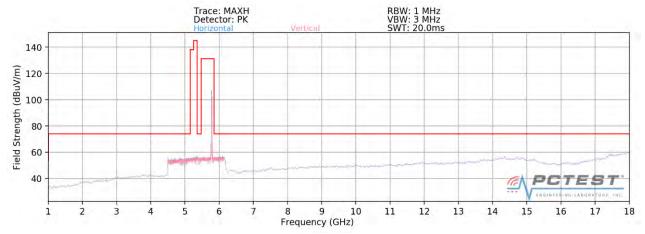
Plot 7-338. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax – U2A Ch. 56 – 26 Tones)



Plot 7-339. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax – U2C Ch. 120 – 26 Tones)

FCC ID: A3LSMN975JPN	PCTEST ANGUERY OF THE	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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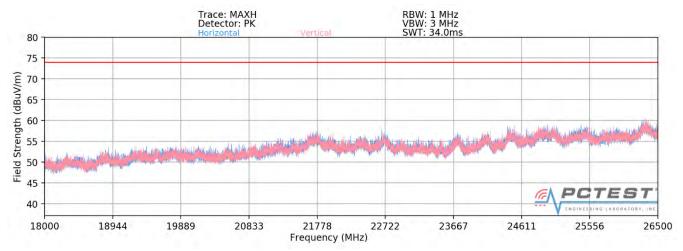


Plot 7-340. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax – U3 Ch. 157 – 26 Tones)

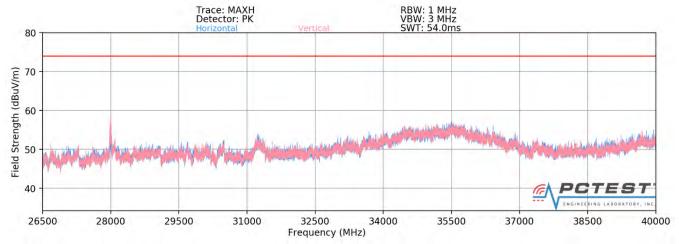
FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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SISO Antenna-2 Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-341. Radiated Spurious Plot 18GHz - 26.5GHz SISO ANT2 (802.11ax - 26 Tones)



Plot 7-342. Radiated Spurious Plot 26.5GHz - 40GHz SISO ANT2 (802.11ax - 26 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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SISO Antenna-2 Radiated Spurious Emission Measurements

§15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5180MHz

Channel: 36

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10360.00	Peak	V	117	360	-65.30	18.82	0.00	60.52	68.20	-7.68
*	15540.00	Average	V	-	-	-84.74	28.27	0.00	50.53	53.98	-3.45
*	15540.00	Peak	V	-	-	-72.50	28.27	0.00	62.77	73.98	-11.21
*	20720.00	Average	V	-	-	-77.73	7.63	-9.54	27.36	53.98	-26.62
*	20720.00	Peak	V	-	-	-66.25	7.63	-9.54	38.84	73.98	-35.14
	25900.00	Peak	V	-	-	-65.12	9.80	-9.54	42.14	68.20	-26.06

Table 7-98. Radiated Measurements SISO ANT2 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5200MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10400.00	Peak	V	123	2	-68.49	18.78	0.00	57.29	68.20	-10.91
*	15600.00	Average	V	-	-	-84.48	27.80	0.00	50.32	53.98	-3.66
*	15600.00	Peak	V	-	-	-73.41	27.80	0.00	61.39	73.98	-12.59
*	20800.00	Average	V	-	-	-77.55	7.77	-9.54	27.68	53.98	-26.30
*	20800.00	Peak	V	-	-	-66.59	7.77	-9.54	38.64	73.98	-35.34
	26000.00	Peak	V	-	-	-65.11	10.06	-9.54	42.41	68.20	-25.79

Table 7-99. Radiated Measurements SISO ANT2 (26 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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4

Worst Case Transfer Rate: MCS0

RU Index:

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5240MHz

Channel: 48

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10480.00	Peak	V	237	218	-72.21	20.06	0.00	54.85	68.20	-13.35
*	15720.00	Average	V	-	-	-84.73	27.64	0.00	49.91	53.98	-4.07
*	15720.00	Peak	V	-	-	-73.33	27.64	0.00	61.31	73.98	-12.67
*	20960.00	Average	V	-	-	-77.86	8.06	-9.54	27.66	53.98	-26.32
*	20960.00	Peak	V	-	-	-65.96	8.06	-9.54	39.56	73.98	-34.42
	26200.00	Peak	V	-	-	-65.27	10.19	-9.54	42.38	68.20	-25.82

Table 7-100. Radiated Measurements SISO ANT2 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5260MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10520.00	Peak	V	-	-	-72.27	19.70	0.00	54.43	68.20	-13.77
*	15780.00	Average	V	-	-	-84.40	27.31	0.00	49.91	53.98	-4.07
*	15780.00	Peak	V	-	-	-73.53	27.31	0.00	60.78	73.98	-13.20
*	21040.00	Average	V	-	-	-77.24	8.13	-9.54	28.35	53.98	-25.63
*	21040.00	Peak	V	-	-	-66.20	8.13	-9.54	39.39	73.98	-34.59
Ī	26300.00	Peak	V	-	-	-64.47	10.75	-9.54	43.74	68.20	-24.46

Table 7-101. Radiated Measurements SISO ANT2 (26 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5280MHz

Channel: 56

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
ĺ	10560.00	Peak	V	-	-	-71.74	19.86	0.00	55.12	68.20	-13.08
*	15840.00	Average	V	-	-	-84.24	27.54	0.00	50.30	53.98	-3.68
*	15840.00	Peak	V	-	-	-72.63	27.54	0.00	61.91	73.98	-12.07
*	21120.00	Average	V	-	-	-77.37	8.29	-9.54	28.38	53.98	-25.60
*	21120.00	Peak	V	-	-	-66.03	8.29	-9.54	39.72	73.98	-34.26
ĺ	26400.00	Peak	V	-	-	-65.07	10.53	-9.54	42.92	68.20	-25.28

Table 7-102. Radiated Measurements SISO ANT2 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5320MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	10640.00	Average	V	-	-	-82.77	19.52	0.00	43.75	53.98	-10.23
*	10640.00	Peak	V	-	-	-71.78	19.52	0.00	54.74	73.98	-19.24
*	15960.00	Average	V	-	•	-84.60	27.84	0.00	50.24	53.98	-3.74
*	15960.00	Peak	V	-	-	-73.11	27.84	0.00	61.73	73.98	-12.25
*	21280.00	Average	V	-	-	-77.04	8.44	-9.54	28.86	53.98	-25.12
*	21280.00	Peak	V	-	•	-66.08	8.44	-9.54	39.82	73.98	-34.16
ĺ	26600.00	Peak	V	-	-	-52.22	-5.12	-9.54	40.12	68.20	-28.08

Table 7-103. Radiated Measurements SISO ANT2 (26 Tones)

FCC ID: A3LSMN975JPN	PCTEST ANGINE LAURENTING FOR	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5500MHz

Channel: 100

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11000.00	Average	٧	-	i	-83.75	20.35	0.00	43.60	53.98	-10.38
*	11000.00	Peak	V	-	-	-72.14	20.35	0.00	55.21	73.98	-18.77
	16500.00	Peak	V	-	ı	-73.60	28.54	0.00	61.94	68.20	-6.26
	22000.00	Peak	٧	-	i	-66.39	8.89	-9.54	39.96	68.20	-28.24
	27500.00	Peak	V	-	-	-49.89	-6.38	-9.54	41.19	68.20	-27.01

Table 7-104. Radiated Measurements SISO ANT2 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5600MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11200.00	Average	V	-	-	-83.53	20.31	0.00	43.78	53.98	-10.20
*	11200.00	Peak	V	-	-	-72.14	20.31	0.00	55.17	73.98	-18.81
	16800.00	Peak	V	-	-	-73.33	28.88	0.00	62.55	68.20	-5.65
*	22400.00	Average	V	-	-	-77.91	9.64	-9.54	29.19	53.98	-24.79
*	22400.00	Peak	V	-	-	-66.44	9.64	-9.54	40.66	73.98	-33.32
	28000.00	Peak	V	-		-51.24	-4.74	-9.54	41.48	68.20	-26.72

Table 7-105. Radiated Measurements SISO ANT2 (26 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Transfer Rate: MCS0

RU Index:

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5720MHz

Channel: 144

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11440.00	Average	V	-	-	-83.70	20.11	0.00	43.41	53.98	-10.57
*	11440.00	Peak	V	-	-	-72.02	20.11	0.00	55.09	73.98	-18.89
	17160.00	Peak	V	-	-	-73.51	29.40	0.00	62.89	68.20	-5.31
*	22880.00	Average	V	-	-	-77.81	9.34	-9.54	28.99	53.98	-24.99
*	22880.00	Peak	V	-	-	-67.07	9.34	-9.54	39.73	73.98	-34.25
	28600.00	Peak	V	-	-	-51.15	-6.22	-9.54	40.09	68.20	-28.11

Table 7-106. Radiated Measurements SISO ANT2 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: <u>1 & 3 Meters</u>

Operating Frequency: 5745MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11490.00	Average	V	-	-	-83.61	20.55	0.00	43.94	53.98	-10.03
*	11490.00	Peak	V	-	-	-71.38	20.55	0.00	56.17	73.98	-17.80
ĺ	17235.00	Peak	V	-	-	-73.08	29.71	0.00	63.63	68.20	-4.57
*	22980.00	Average	V	-	-	-77.79	9.49	-9.54	29.16	53.98	-24.82
*	22980.00	Peak	V	-	-	-66.92	9.49	-9.54	40.03	73.98	-33.95
	28725.00	Peak	V	-	-	-51.59	-5.89	-9.54	39.98	68.20	-28.22

Table 7-107. Radiated Measurements SISO ANT2 (26 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
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Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5785MHz

Channel: 157

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11570.00	Average	V	-	-	-83.74	21.44	0.00	44.70	53.98	-9.28
*	11570.00	Peak	V	-	-	-72.94	21.44	0.00	55.50	73.98	-18.48
	17355.00	Peak	V	-	1	-72.14	29.55	0.00	64.41	68.20	-3.79
	23140.00	Peak	٧	-	ı	-66.80	9.28	-9.54	39.94	68.20	-28.26
	28925.00	Peak	٧	-	1	-51.81	-5.04	-9.54	40.61	68.20	-27.59

Table 7-108. Radiated Measurements SISO ANT2 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5825MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11650.00	Average	V	348	24	-82.99	20.88	0.00	44.89	53.98	-9.08
*	11650.00	Peak	V	348	24	-71.91	20.88	0.00	55.97	73.98	-18.00
	17475.00	Peak	V	-	-	-72.75	30.26	0.00	64.51	68.20	-3.69
	23300.00	Peak	V	-	-	-66.88	8.86	-9.54	39.44	68.20	-28.76
	29125.00	Peak	V	-	-	-51.74	-7.31	-9.54	38.41	68.20	-29.79

Table 7-109. Radiated Measurements SISO ANT2 (26 Tones)

FCC ID: A3LSMN975JPN	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
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