

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 40(2305-2315)

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2307.5	38725	5	1	0	21.58
QPSK	2307.5	38725	5	1	12	21.61
QPSK	2307.5	38725	5	1	24	21.62
QPSK	2307.5	38725	5	12	0	20.79
QPSK	2307.5	38725	5	12	7	20.79
QPSK	2307.5	38725	5	12	13	20.83
QPSK	2307.5	38725	5	25	0	20.75
QPSK	2310	38750	5	1	0	21.85
QPSK	2310	38750	5	1	12	21.85
QPSK	2310	38750	5	1	24	21.86
QPSK	2310	38750	5	12	0	21.82
QPSK	2310	38750	5	12	7	20.85
QPSK	2310	38750	5	12	13	20.78
QPSK	2310	38750	5	25	0	20.84
QPSK	2312.5	38775	5	1	0	21.63
QPSK	2312.5	38775	5	1	12	21.67
QPSK	2312.5	38775	5	1	24	21.69
QPSK	2312.5	38775	5	12	0	20.82
QPSK	2312.5	38775	5	12	7	20.87
QPSK	2312.5	38775	5	12	13	20.88
QPSK	2312.5	38775	5	25	0	20.87

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2307.5	38725	5	1	0	21.06
16QAM	2307.5	38725	5	1	12	21.02
16QAM	2307.5	38725	5	1	24	21.16
16QAM	2307.5	38725	5	12	0	19.82
16QAM	2307.5	38725	5	12	7	19.78
16QAM	2307.5	38725	5	12	13	19.91
16QAM	2307.5	38725	5	25	0	19.79
16QAM	2310	38750	5	1	0	21.25
16QAM	2310	38750	5	1	12	21.25
16QAM	2310	38750	5	1	24	21.23
16QAM	2310	38750	5	12	0	19.87
16QAM	2310	38750	5	12	7	19.89
16QAM	2310	38750	5	12	13	19.88
16QAM	2310	38750	5	25	0	19.93
16QAM	2312.5	38775	5	1	0	20.91
16QAM	2312.5	38775	5	1	12	21.03
16QAM	2312.5	38775	5	1	24	20.96
16QAM	2312.5	38775	5	12	0	19.78
16QAM	2312.5	38775	5	12	7	19.86
16QAM	2312.5	38775	5	12	13	19.84
16QAM	2312.5	38775	5	25	0	19.88

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2310	38750	10	1	0	21.70
QPSK	2310	38750	10	1	25	21.87
QPSK	2310	38750	10	1	49	21.84
QPSK	2310	38750	10	25	0	20.84
QPSK	2310	38750	10	25	12	20.87
QPSK	2310	38750	10	25	25	20.90
QPSK	2310	38750	10	50	0	20.84

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2310	38750	10	1	0	21.18
16QAM	2310	38750	10	1	25	21.26
16QAM	2310	38750	10	1	49	21.14
16QAM	2310	38750	10	25	0	19.86
16QAM	2310	38750	10	25	12	19.90
16QAM	2310	38750	10	25	25	19.94
16QAM	2310	38750	10	50	0	19.90

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
40	QPSK	2307.5	38725	5	25	0	4.472	Fig.1
40	QPSK	2310	38750	5	25	0	4.472	Fig.2
40	QPSK	2312.5	38775	5	25	0	4.472	Fig.3
40	QPSK	2310	38750	10	50	0	8.944	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
40	16QAM	2307.5	38725	5	25	0	4.472	Fig.7
40	16QAM	2310	38750	5	25	0	4.472	Fig.8
40	16QAM	2312.5	38775	5	25	0	4.493	Fig.9
40	16QAM	2310	38750	10	50	0	8.944	Fig.12

Test Mode: QPSK

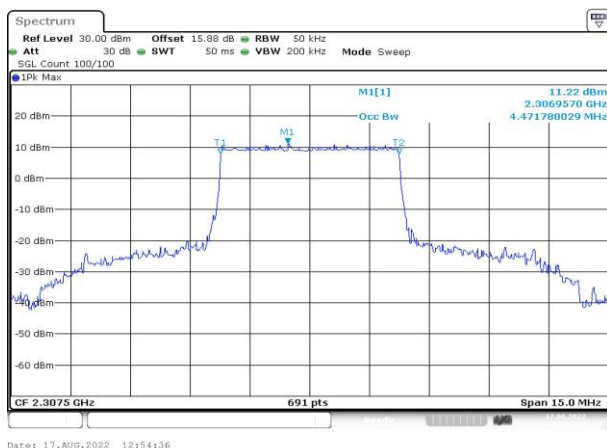


Fig.1

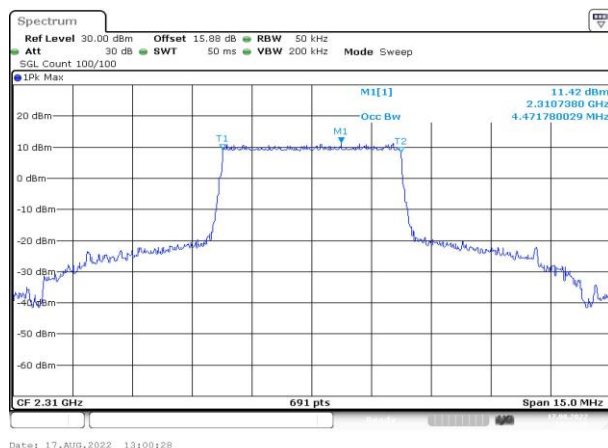


Fig.2

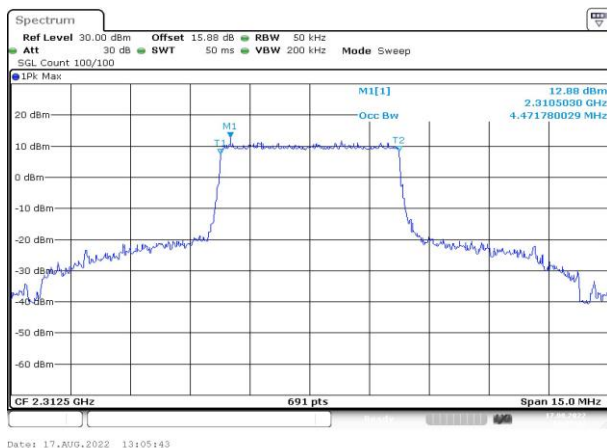


Fig.3

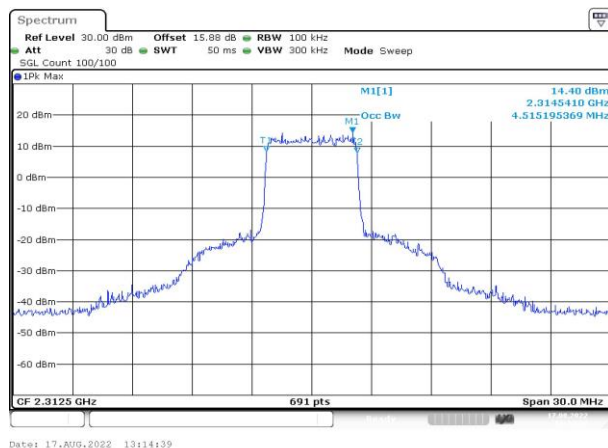


Fig.4

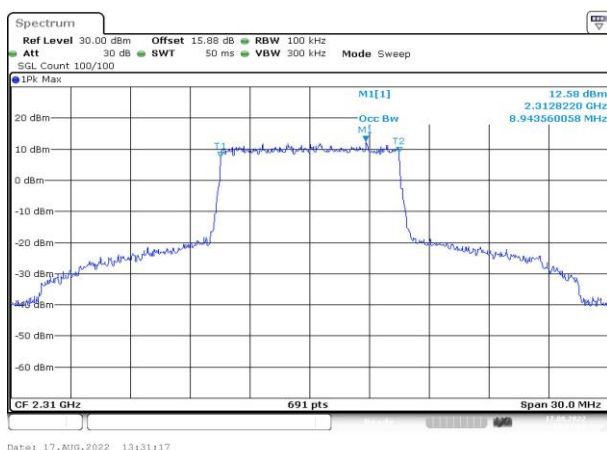


Fig.5

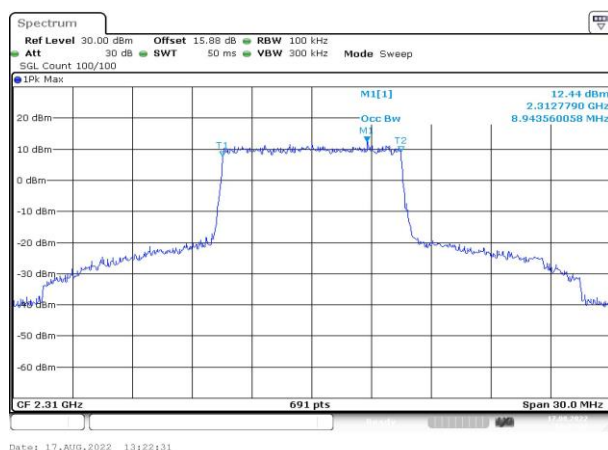


Fig.6

Test Mode: 16QAM

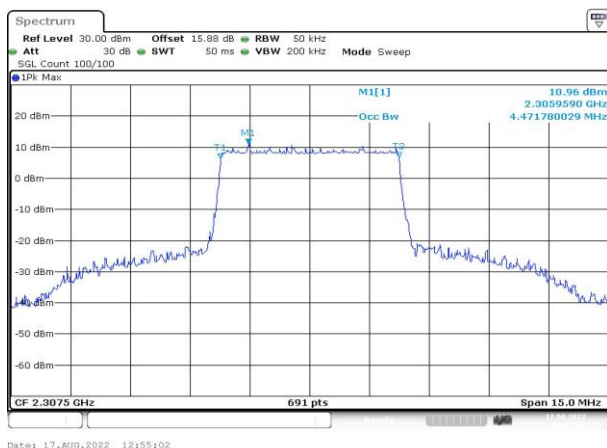


Fig.7

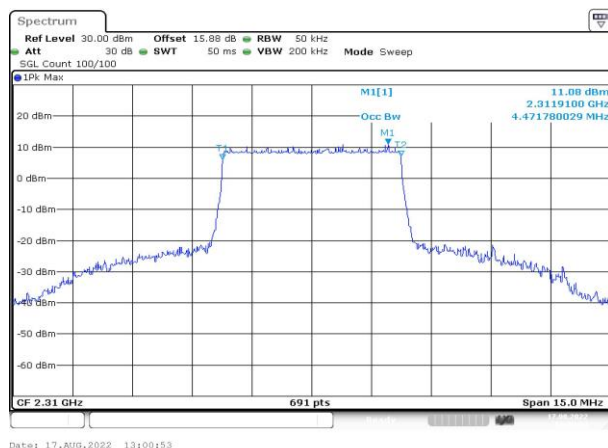


Fig.8

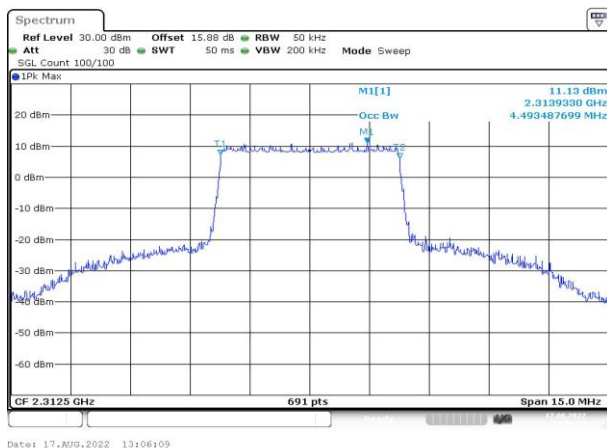


Fig.9

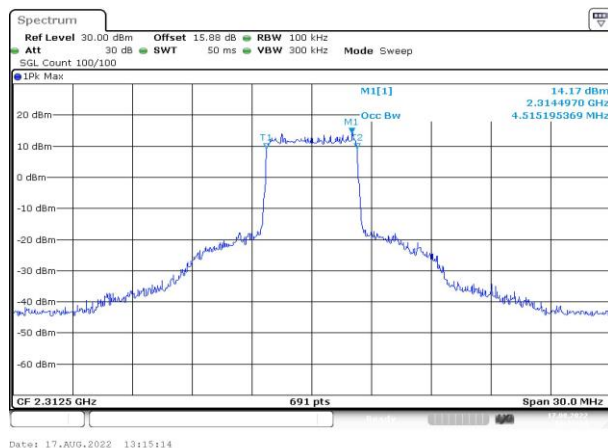


Fig.10

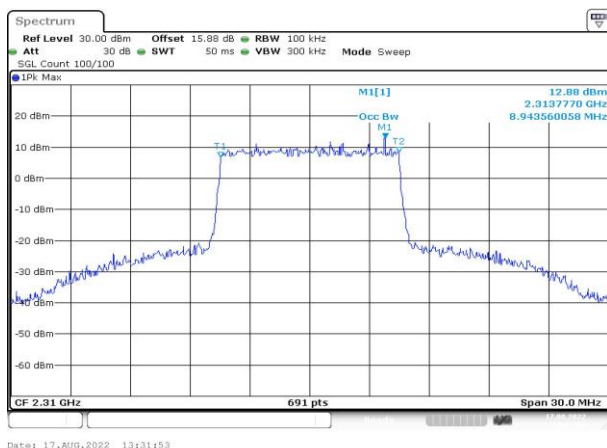


Fig.11

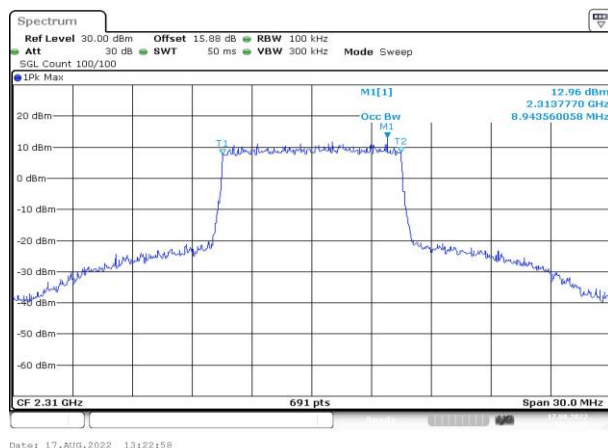


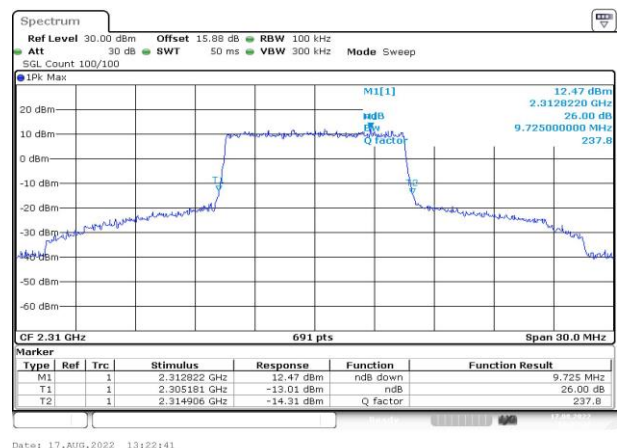
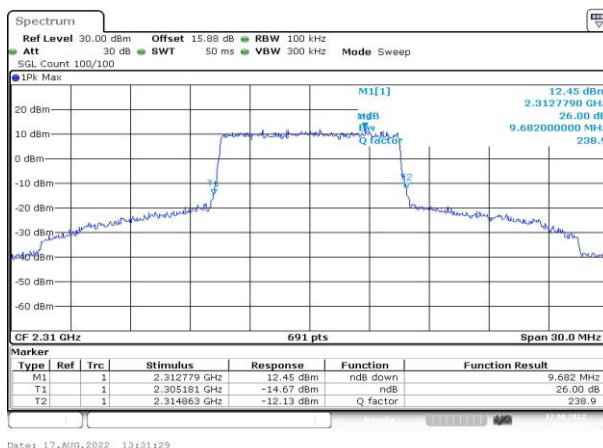
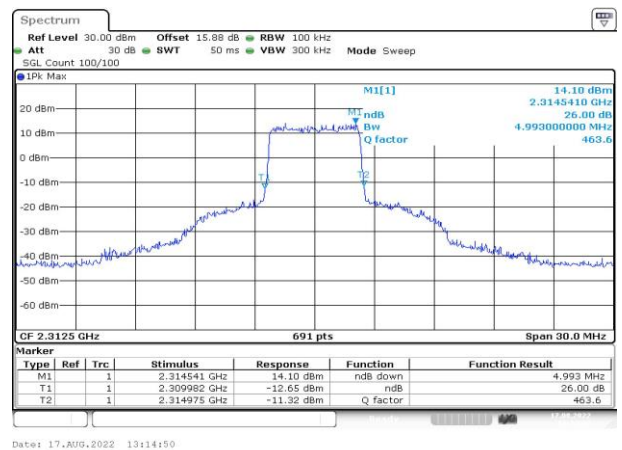
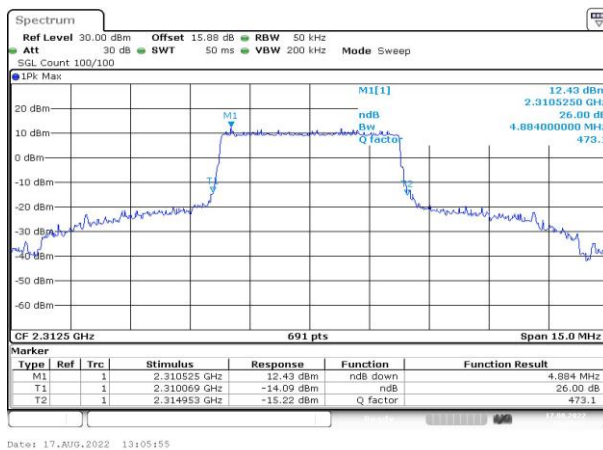
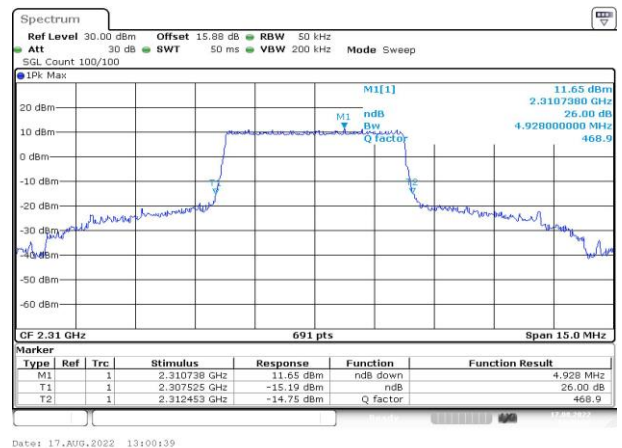
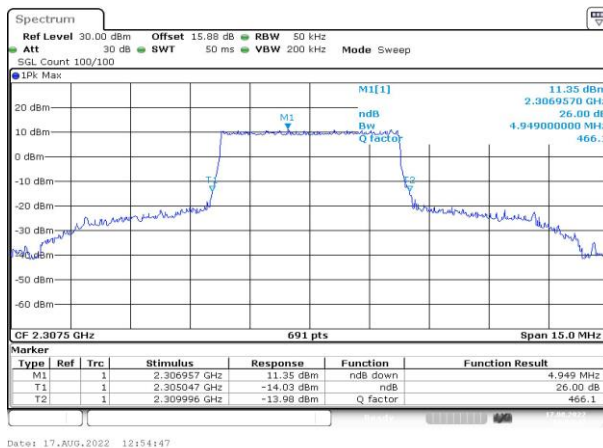
Fig.12

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
40	QPSK	2307.5	38725	5	25	0	4.949	Fig.1
40	QPSK	2310	38750	5	25	0	4.928	Fig.2
40	QPSK	2312.5	38775	5	25	0	4.884	Fig.3
40	QPSK	2310	38750	10	50	0	9.725	Fig.6

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
40	16QAM	2307.5	38725	5	25	0	4.863	Fig.7
40	16QAM	2310	38750	5	25	0	4.884	Fig.8
40	16QAM	2312.5	38775	5	25	0	4.928	Fig.9
40	16QAM	2310	38750	10	50	0	9.638	Fig.12

Test Mode: QPSK



Test Mode: 16QAM

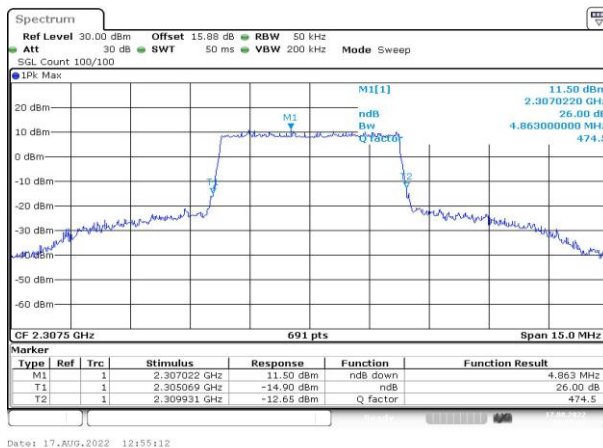


Fig.7

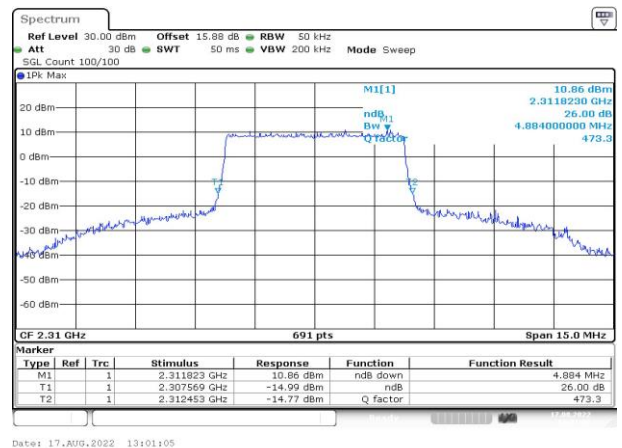


Fig.8

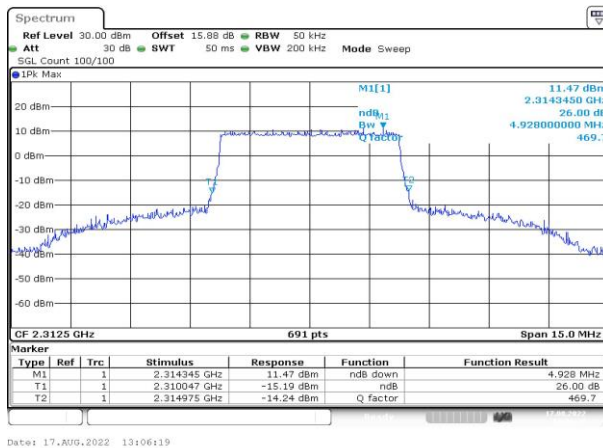


Fig.9

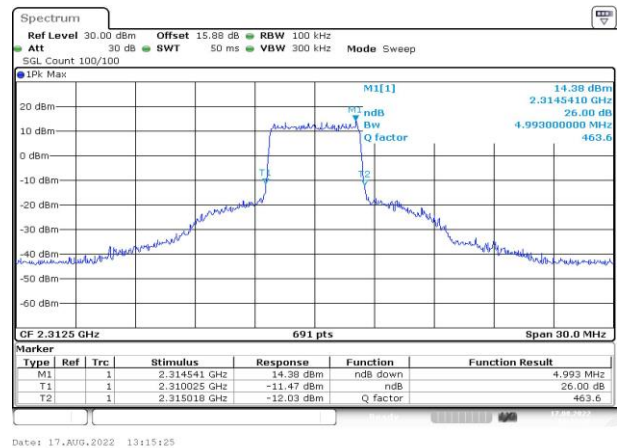


Fig.10

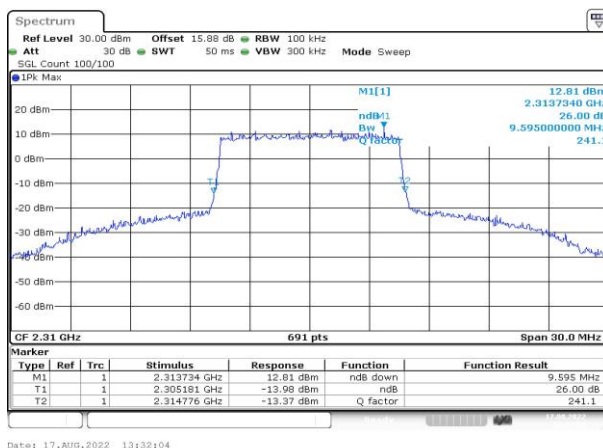


Fig.11

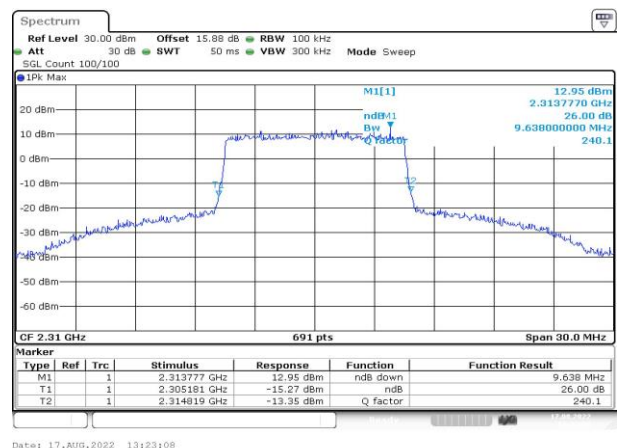


Fig.12

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM
40	2307.5	38725	5	1	24	Fig.1	Fig.2
40	2307.5	38725	5	25	0	Fig.4	Fig.5
40	2310	38750	5	1	24	Fig.7	Fig.8
40	2310	38750	5	25	0	Fig.10	Fig.11
40	2312.5	38775	5	1	24	Fig.13	Fig.14
40	2312.5	38775	5	25	0	Fig.16	Fig.17
40	2310	38750	10	1	49	Fig.31	Fig.32
40	2310	38750	10	50	0	Fig.34	Fig.35

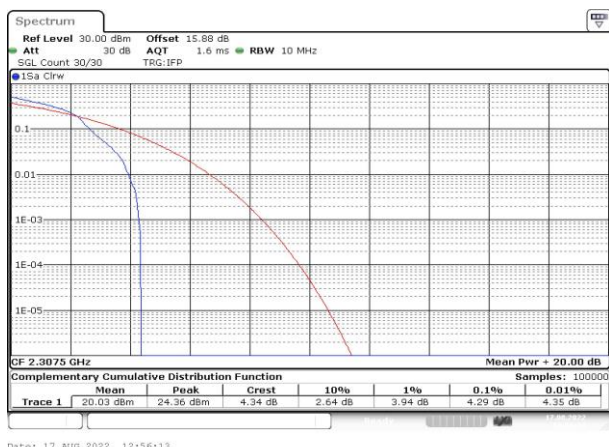


Fig.1

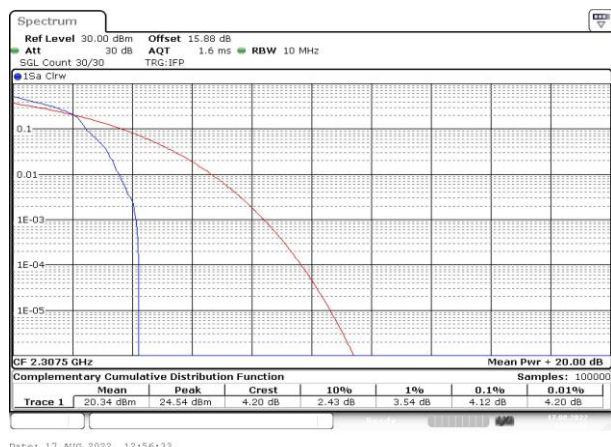


Fig.2

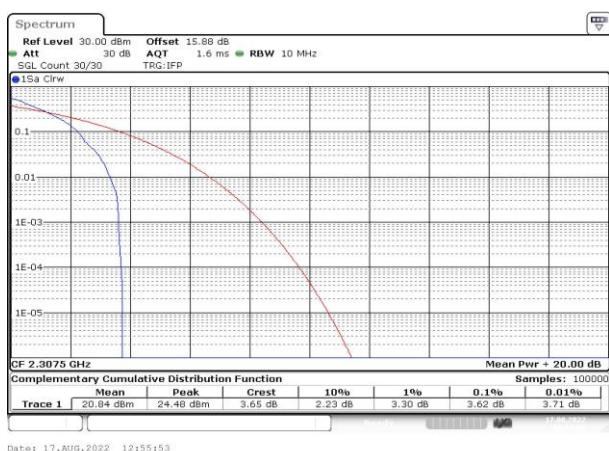


Fig.3

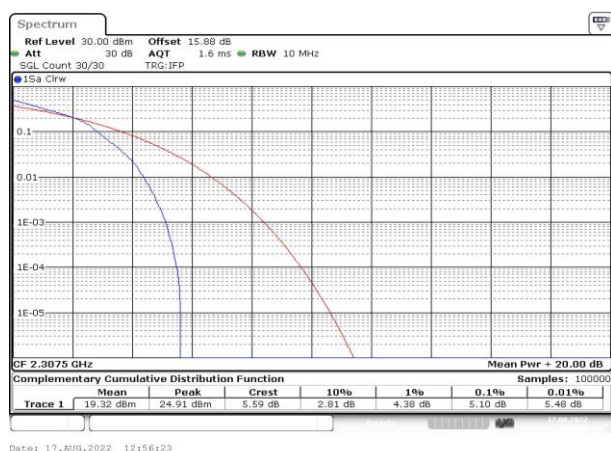


Fig.4

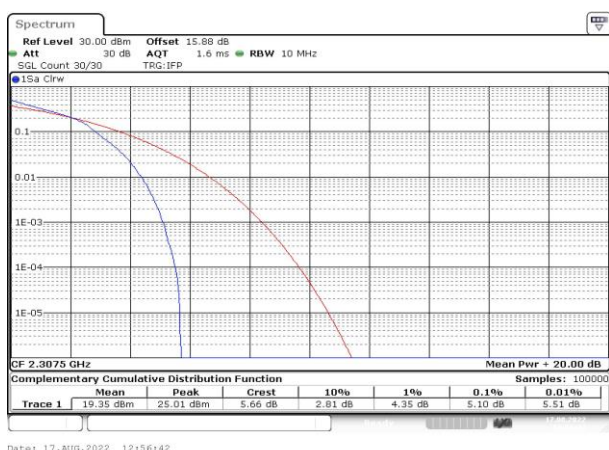


Fig.5

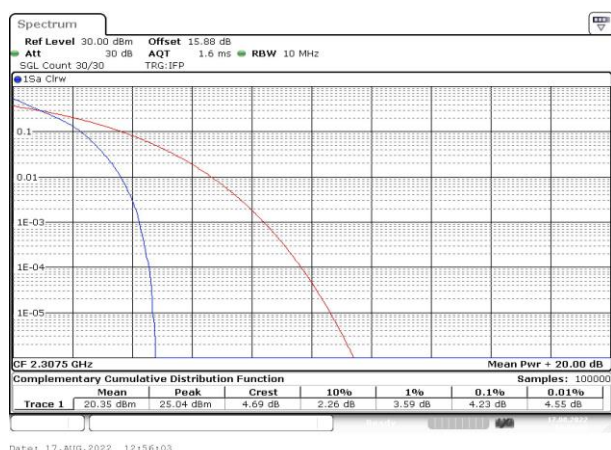


Fig.6



Fig.7



Fig.8

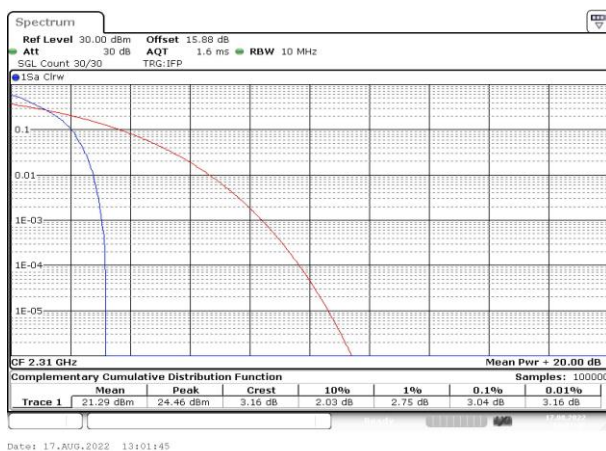


Fig.9

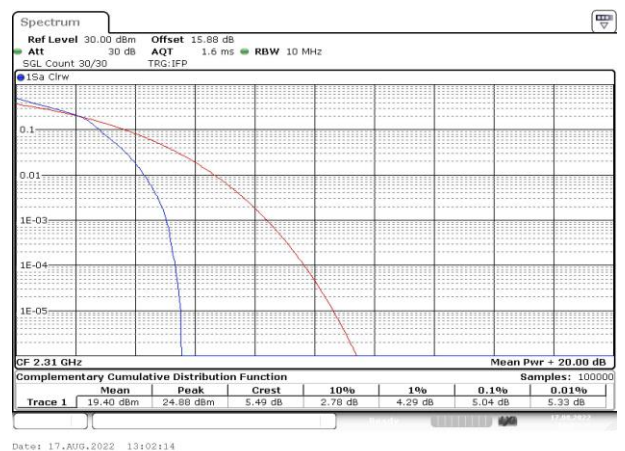


Fig.10

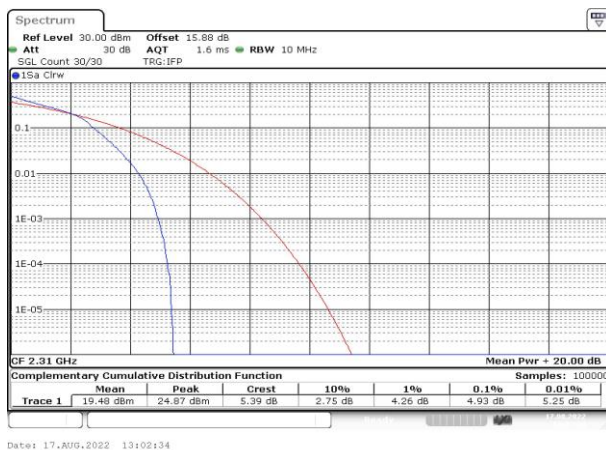


Fig.11

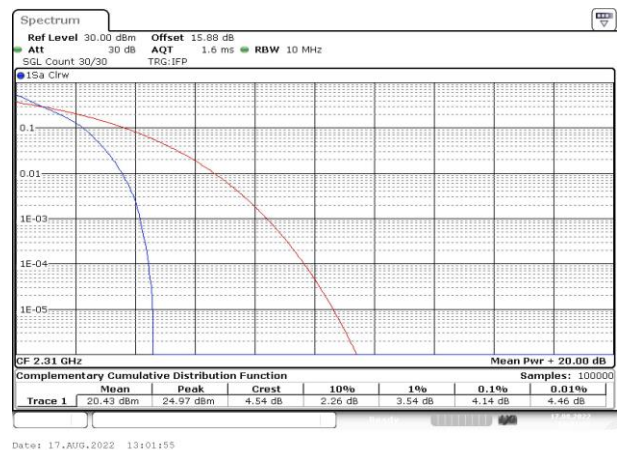


Fig.12

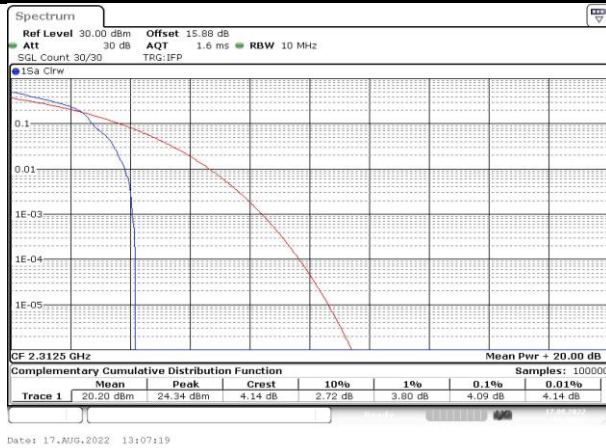


Fig.13

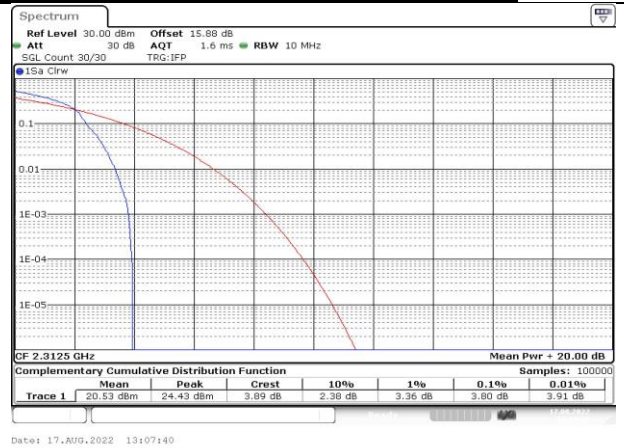


Fig.14

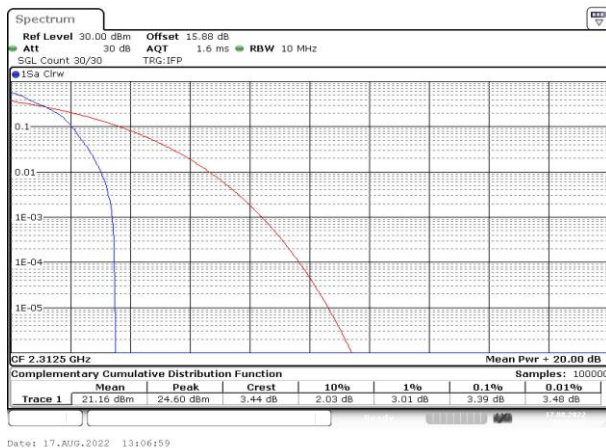


Fig.15

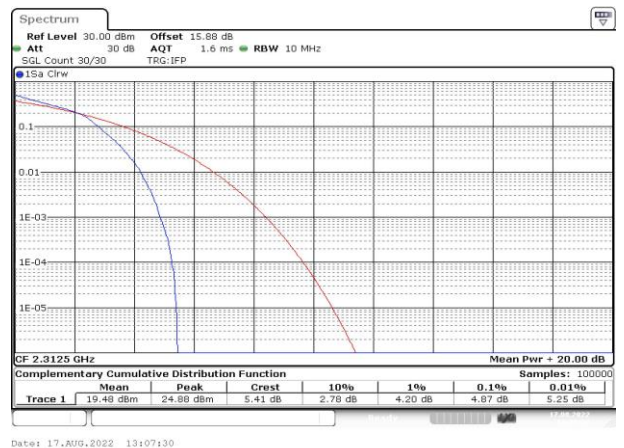


Fig.16

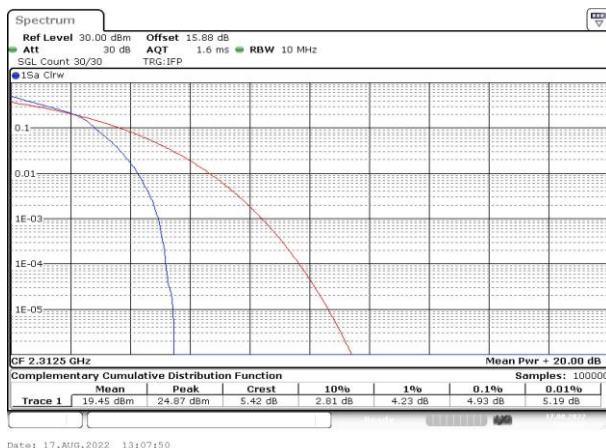


Fig.17

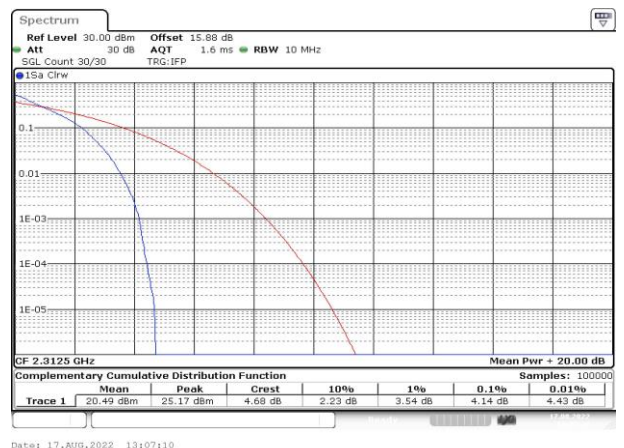


Fig.18

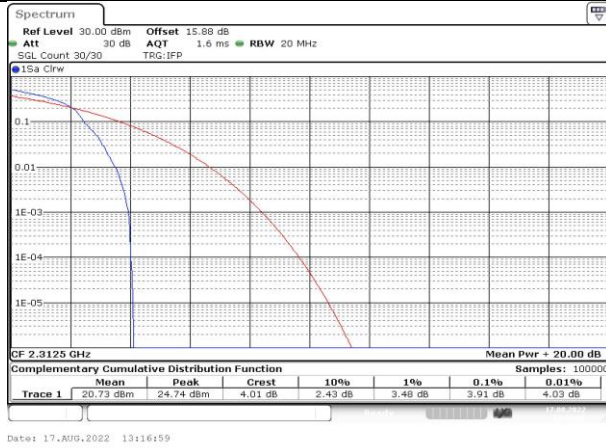


Fig.19



Fig.20

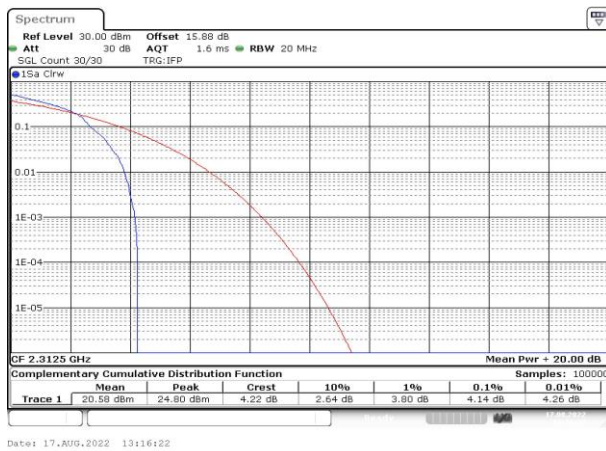


Fig.21

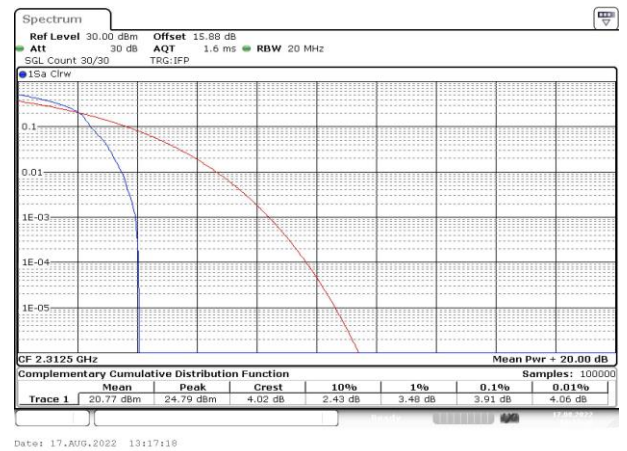


Fig.22

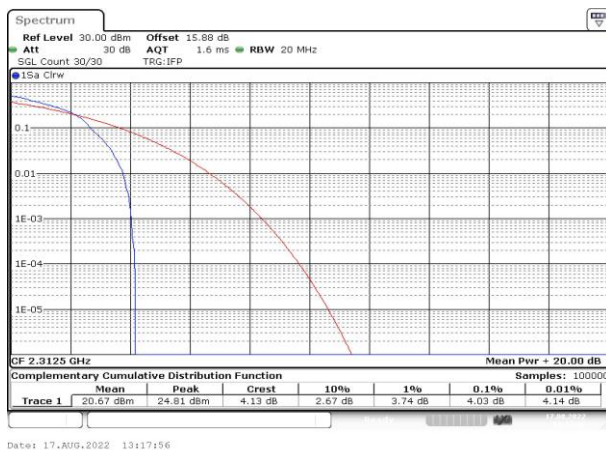


Fig.23

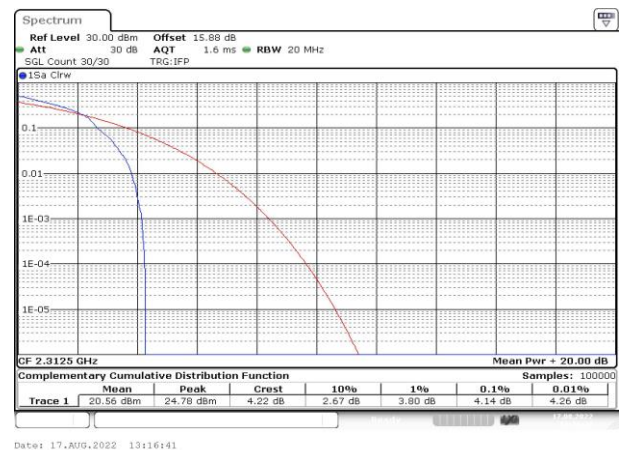


Fig.24



Fig.25



Fig.26

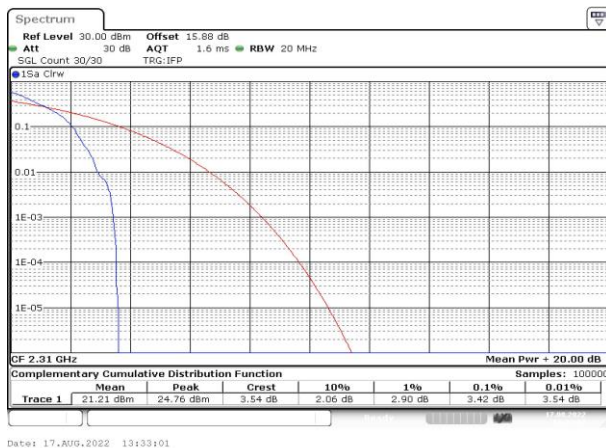


Fig.27

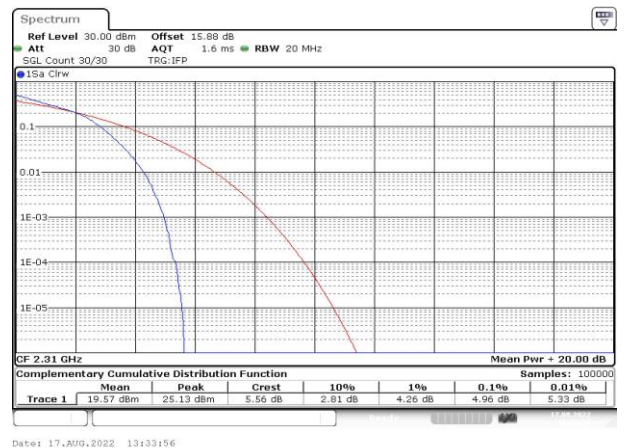


Fig.28

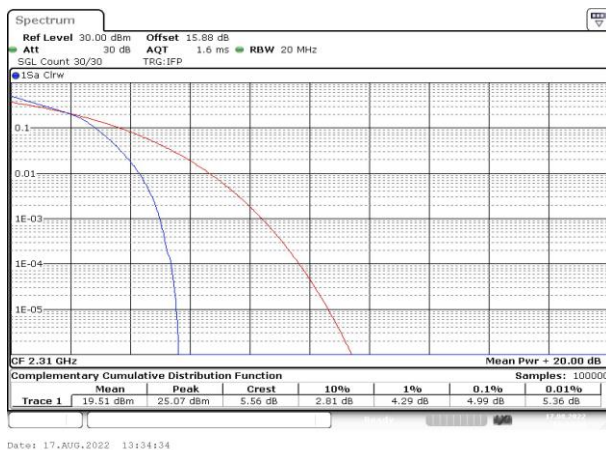


Fig.29

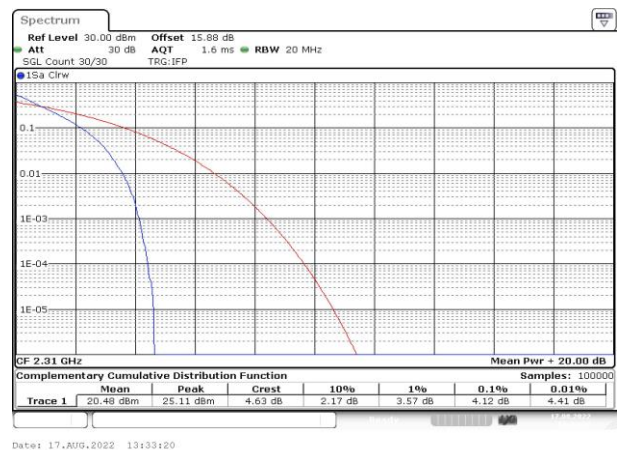


Fig.30