

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 7

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2502.5	20775	5	1	0	20.63
QPSK	2502.5	20775	5	1	12	20.66
QPSK	2502.5	20775	5	1	24	20.77
QPSK	2502.5	20775	5	12	0	19.70
QPSK	2502.5	20775	5	12	7	19.77
QPSK	2502.5	20775	5	12	13	19.74
QPSK	2502.5	20775	5	25	0	19.78
QPSK	2535	21100	5	1	0	21.03
QPSK	2535	21100	5	1	12	21.08
QPSK	2535	21100	5	1	24	21.10
QPSK	2535	21100	5	12	0	20.03
QPSK	2535	21100	5	12	7	20.15
QPSK	2535	21100	5	12	13	20.08
QPSK	2535	21100	5	25	0	20.00
QPSK	2567.5	21425	5	1	0	21.49
QPSK	2567.5	21425	5	1	12	21.64
QPSK	2567.5	21425	5	1	24	21.66
QPSK	2567.5	21425	5	12	0	20.53
QPSK	2567.5	21425	5	12	7	20.63
QPSK	2567.5	21425	5	12	13	20.62
QPSK	2567.5	21425	5	25	0	20.61

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2502.5	20775	5	1	0	19.73
16QAM	2502.5	20775	5	1	12	19.85
16QAM	2502.5	20775	5	1	24	19.87
16QAM	2502.5	20775	5	12	0	18.69
16QAM	2502.5	20775	5	12	7	18.80
16QAM	2502.5	20775	5	12	13	18.79
16QAM	2502.5	20775	5	25	0	18.73
16QAM	2535	21100	5	1	0	20.37
16QAM	2535	21100	5	1	12	20.37
16QAM	2535	21100	5	1	24	20.48
16QAM	2535	21100	5	12	0	19.04
16QAM	2535	21100	5	12	7	19.09
16QAM	2535	21100	5	12	13	19.03
16QAM	2535	21100	5	25	0	19.04
16QAM	2567.5	21425	5	1	0	20.65
16QAM	2567.5	21425	5	1	12	20.85
16QAM	2567.5	21425	5	1	24	20.95
16QAM	2567.5	21425	5	12	0	19.51
16QAM	2567.5	21425	5	12	7	19.54
16QAM	2567.5	21425	5	12	13	19.58
16QAM	2567.5	21425	5	25	0	19.57

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2505	20800	10	1	0	20.64
QPSK	2505	20800	10	1	25	20.63
QPSK	2505	20800	10	1	49	20.73
QPSK	2505	20800	10	25	0	19.72
QPSK	2505	20800	10	25	12	19.76
QPSK	2505	20800	10	25	25	19.75
QPSK	2505	20800	10	50	0	19.67
QPSK	2535	21100	10	1	0	20.99
QPSK	2535	21100	10	1	25	21.00
QPSK	2535	21100	10	1	49	21.04
QPSK	2535	21100	10	25	0	20.06
QPSK	2535	21100	10	25	12	20.07
QPSK	2535	21100	10	25	25	20.06
QPSK	2535	21100	10	50	0	20.08
QPSK	2565	21400	10	1	0	21.36
QPSK	2565	21400	10	1	25	21.44
QPSK	2565	21400	10	1	49	21.47
QPSK	2565	21400	10	25	0	20.48
QPSK	2565	21400	10	25	12	20.54
QPSK	2565	21400	10	25	25	20.57
QPSK	2565	21400	10	50	0	20.55

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2505	20800	10	1	0	20.23
16QAM	2505	20800	10	1	25	20.22
16QAM	2505	20800	10	1	49	20.33
16QAM	2505	20800	10	25	0	18.73
16QAM	2505	20800	10	25	12	18.73
16QAM	2505	20800	10	25	25	18.75
16QAM	2505	20800	10	50	0	18.69
16QAM	2535	21100	10	1	0	20.18
16QAM	2535	21100	10	1	25	20.17
16QAM	2535	21100	10	1	49	20.23
16QAM	2535	21100	10	25	0	19.07
16QAM	2535	21100	10	25	12	19.16
16QAM	2535	21100	10	25	25	19.11
16QAM	2535	21100	10	50	0	19.02
16QAM	2565	21400	10	1	0	20.67
16QAM	2565	21400	10	1	25	20.67
16QAM	2565	21400	10	1	49	20.79
16QAM	2565	21400	10	25	0	19.48
16QAM	2565	21400	10	25	12	19.57
16QAM	2565	21400	10	25	25	19.65
16QAM	2565	21400	10	50	0	19.56

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2507.5	20825	15	1	0	20.61
QPSK	2507.5	20825	15	1	37	20.67
QPSK	2507.5	20825	15	1	74	20.83
QPSK	2507.5	20825	15	36	0	19.74
QPSK	2507.5	20825	15	36	29	19.78
QPSK	2507.5	20825	15	36	30	19.75
QPSK	2507.5	20825	15	75	0	19.71
QPSK	2535	21100	15	1	0	20.93
QPSK	2535	21100	15	1	37	20.95
QPSK	2535	21100	15	1	74	21.09
QPSK	2535	21100	15	36	0	20.06
QPSK	2535	21100	15	36	29	20.06
QPSK	2535	21100	15	36	30	20.05
QPSK	2535	21100	15	75	0	20.04
QPSK	2562.5	21375	15	1	0	21.33
QPSK	2562.5	21375	15	1	37	21.39
QPSK	2562.5	21375	15	1	74	21.50
QPSK	2562.5	21375	15	36	0	20.37
QPSK	2562.5	21375	15	36	29	20.53
QPSK	2562.5	21375	15	36	30	20.52
QPSK	2562.5	21375	15	75	0	20.48

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2507.5	20825	15	1	0	20.29
16QAM	2507.5	20825	15	1	37	20.35
16QAM	2507.5	20825	15	1	74	20.43
16QAM	2507.5	20825	15	36	0	18.76
16QAM	2507.5	20825	15	36	29	18.86
16QAM	2507.5	20825	15	36	30	18.77
16QAM	2507.5	20825	15	75	0	18.80
16QAM	2535	21100	15	1	0	20.18
16QAM	2535	21100	15	1	37	20.13
16QAM	2535	21100	15	1	74	20.36
16QAM	2535	21100	15	36	0	19.02
16QAM	2535	21100	15	36	29	19.16
16QAM	2535	21100	15	36	30	19.13
16QAM	2535	21100	15	75	0	19.04
16QAM	2562.5	21375	15	1	0	20.73
16QAM	2562.5	21375	15	1	37	20.83
16QAM	2562.5	21375	15	1	74	20.81
16QAM	2562.5	21375	15	36	0	19.44
16QAM	2562.5	21375	15	36	29	19.53
16QAM	2562.5	21375	15	36	30	19.53
16QAM	2562.5	21375	15	75	0	19.42

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	20.58
QPSK	2510	20850	20	1	49	20.70
QPSK	2510	20850	20	1	99	20.97
QPSK	2510	20850	20	50	0	19.66
QPSK	2510	20850	20	50	24	19.73
QPSK	2510	20850	20	50	50	19.88
QPSK	2510	20850	20	100	0	19.78
QPSK	2535	21100	20	1	0	21.08
QPSK	2535	21100	20	1	49	20.98
QPSK	2535	21100	20	1	99	21.13
QPSK	2535	21100	20	50	0	20.06
QPSK	2535	21100	20	50	24	20.10
QPSK	2535	21100	20	50	50	20.06
QPSK	2535	21100	20	100	0	20.07
QPSK	2560	21350	20	1	0	21.25
QPSK	2560	21350	20	1	49	21.32
QPSK	2560	21350	20	1	99	21.65
QPSK	2560	21350	20	50	0	20.36
QPSK	2560	21350	20	50	24	20.46
QPSK	2560	21350	20	50	50	20.51
QPSK	2560	21350	20	100	0	20.46

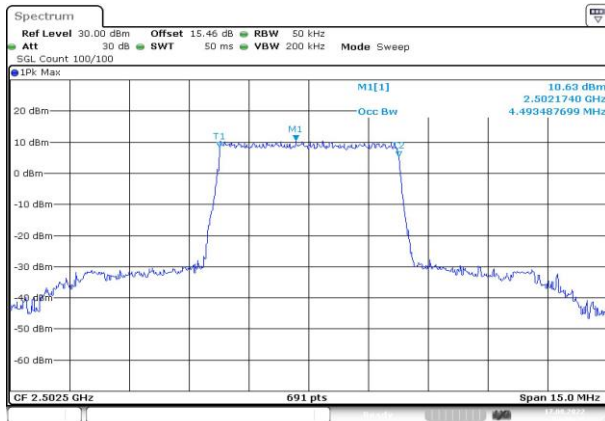
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
16QAM	2510	20850	20	1	0	20.04
16QAM	2510	20850	20	1	49	20.10
16QAM	2510	20850	20	1	99	20.31
16QAM	2510	20850	20	50	0	18.70
16QAM	2510	20850	20	50	24	18.80
16QAM	2510	20850	20	50	50	18.89
16QAM	2510	20850	20	100	0	18.79
16QAM	2535	21100	20	1	0	20.35
16QAM	2535	21100	20	1	49	20.23
16QAM	2535	21100	20	1	99	20.32
16QAM	2535	21100	20	50	0	19.06
16QAM	2535	21100	20	50	24	19.05
16QAM	2535	21100	20	50	50	19.03
16QAM	2535	21100	20	100	0	19.06
16QAM	2560	21350	20	1	0	20.65
16QAM	2560	21350	20	1	49	20.71
16QAM	2560	21350	20	1	99	20.97
16QAM	2560	21350	20	50	0	19.38
16QAM	2560	21350	20	50	24	19.42
16QAM	2560	21350	20	50	50	19.52
16QAM	2560	21350	20	100	0	19.53

2 Occupied Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
7	QPSK	2502.5	20775	5	25	0	4.493	Fig.1
7	QPSK	2535	21100	5	25	0	4.472	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.472	Fig.3
7	QPSK	2505	20800	10	50	0	8.944	Fig.4
7	QPSK	2535	21100	10	50	0	8.944	Fig.5
7	QPSK	2565	21400	10	50	0	8.944	Fig.6
7	QPSK	2507.5	20825	15	75	0	13.415	Fig.7
7	QPSK	2535	21100	15	75	0	13.415	Fig.8
7	QPSK	2562.5	21375	15	75	0	13.415	Fig.9
7	QPSK	2510	20850	20	100	0	17.887	Fig.10
7	QPSK	2535	21100	20	100	0	17.800	Fig.11
7	QPSK	2560	21350	20	100	0	17.800	Fig.12

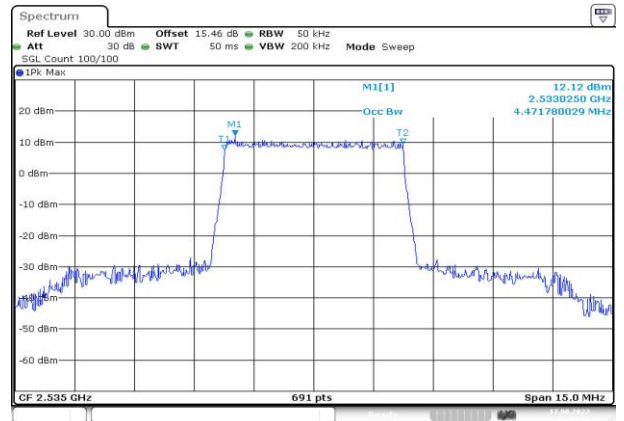
Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)	
7	16QAM	2502.5	20775	5	25	0	4.472	Fig.13
7	16QAM	2535	21100	5	25	0	4.472	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.472	Fig.15
7	16QAM	2505	20800	10	50	0	8.944	Fig.16
7	16QAM	2535	21100	10	50	0	8.944	Fig.17
7	16QAM	2565	21400	10	50	0	8.944	Fig.18
7	16QAM	2507.5	20825	15	75	0	13.415	Fig.19
7	16QAM	2535	21100	15	75	0	13.350	Fig.20
7	16QAM	2562.5	21375	15	75	0	13.480	Fig.21
7	16QAM	2510	20850	20	100	0	17.887	Fig.22
7	16QAM	2535	21100	20	100	0	17.887	Fig.23
7	16QAM	2560	21350	20	100	0	17.887	Fig.24

Test Mode: QPSK



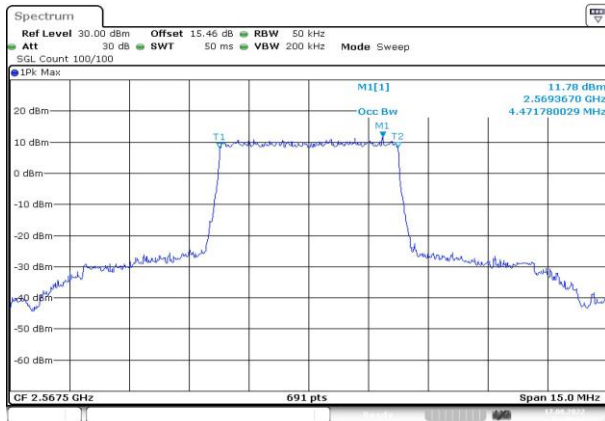
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Fig.1



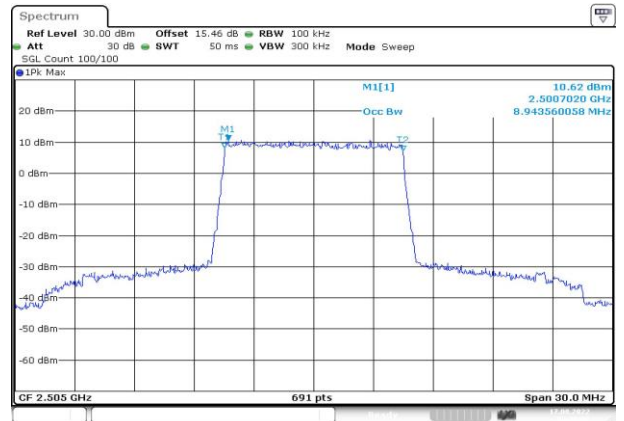
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Fig.2



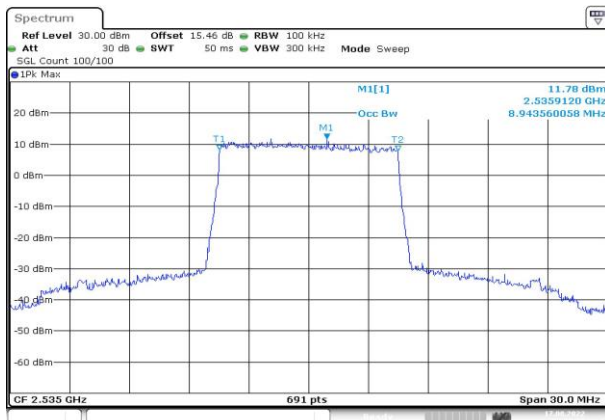
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Fig.3



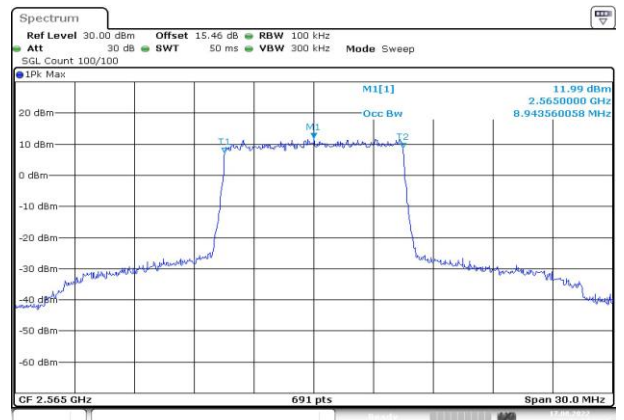
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Fig.4



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Fig.5



Date: 17_AUG.2022 09:56:14

Fig.6

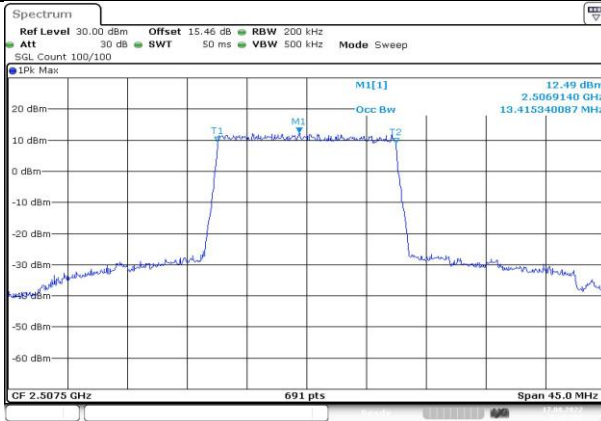


Fig.7

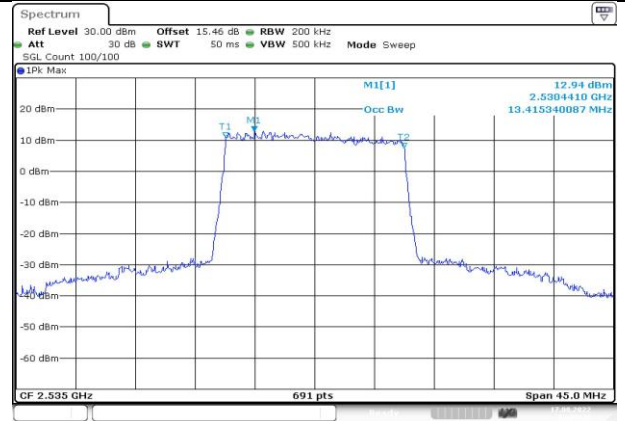


Fig.8

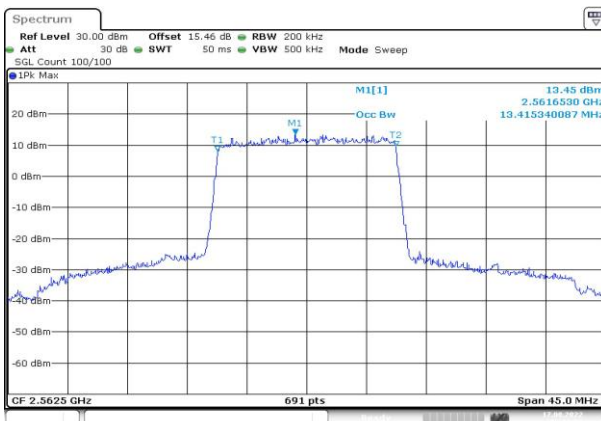


Fig.9

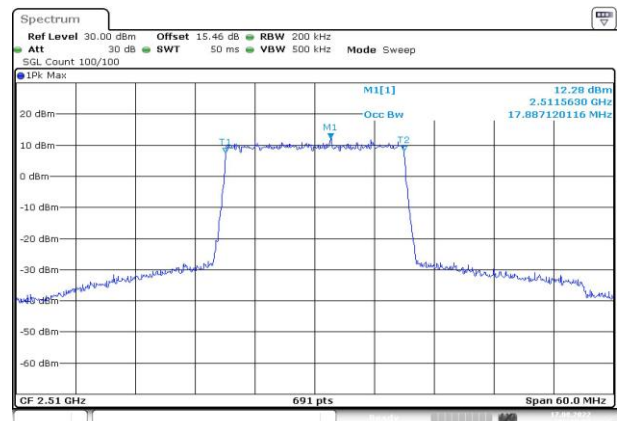


Fig.10

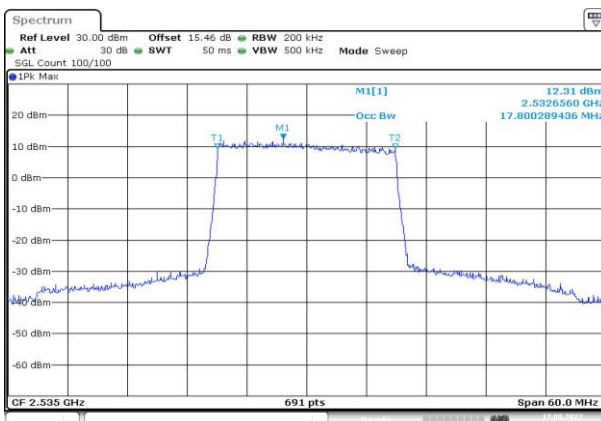


Fig.11

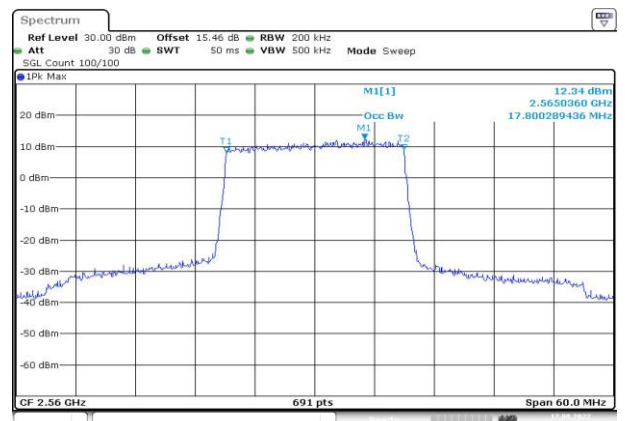


Fig.12

Test Mode: 16QAM

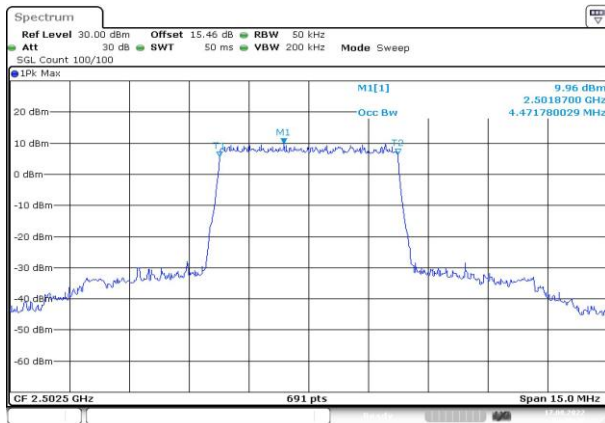


Fig.13

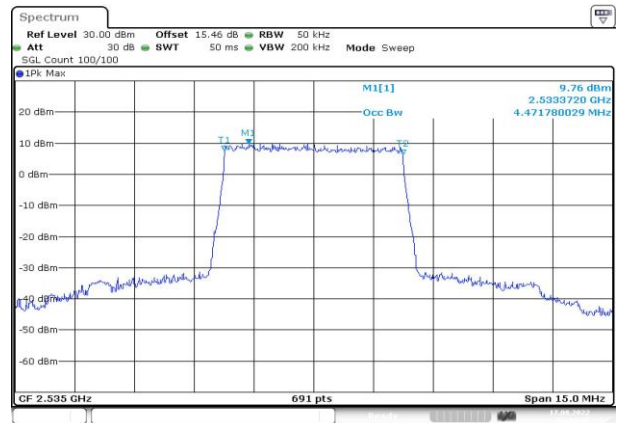


Fig.14

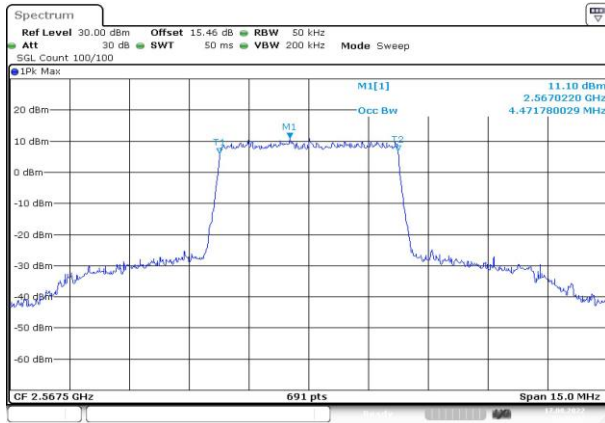


Fig.15

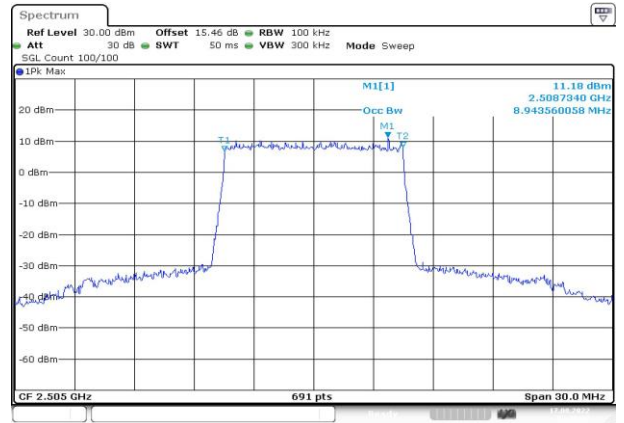


Fig.16

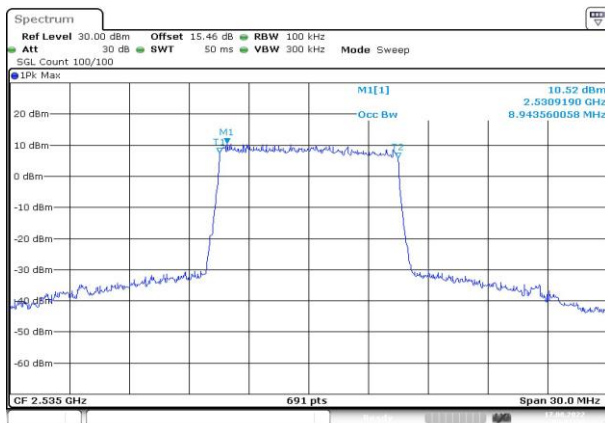


Fig.17

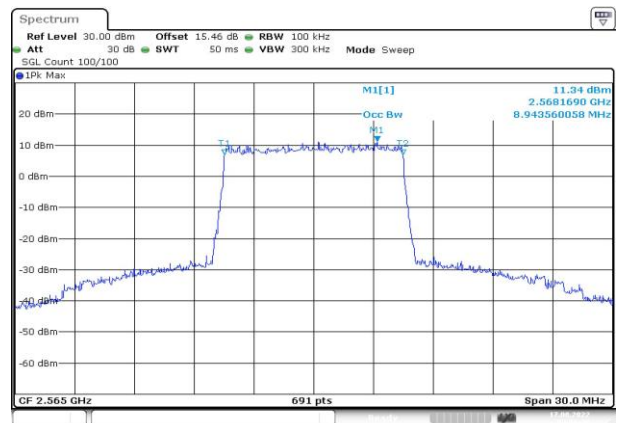


Fig.18

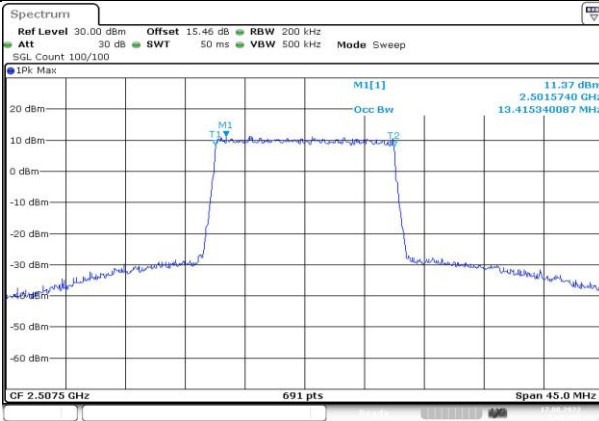


Fig.19

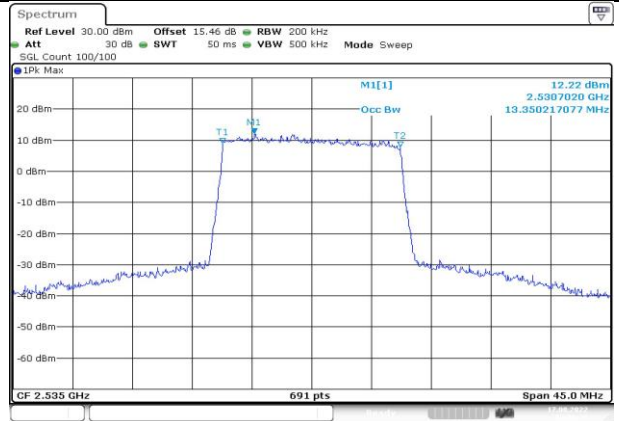


Fig.20

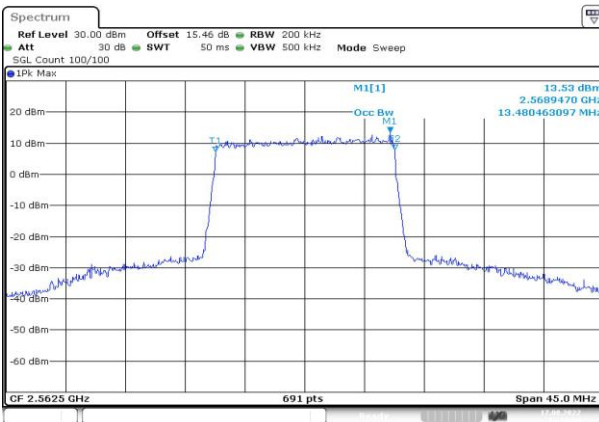


Fig.21

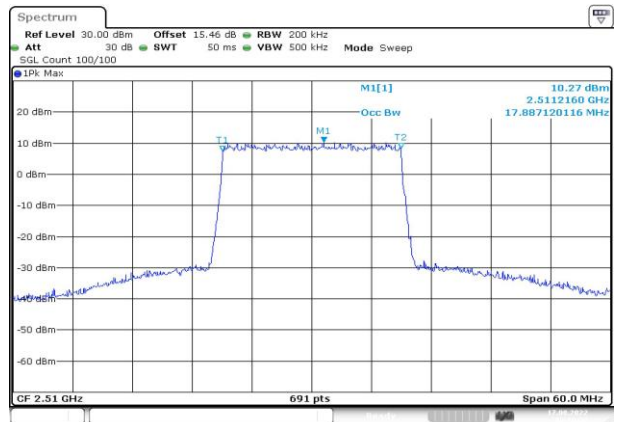


Fig.22

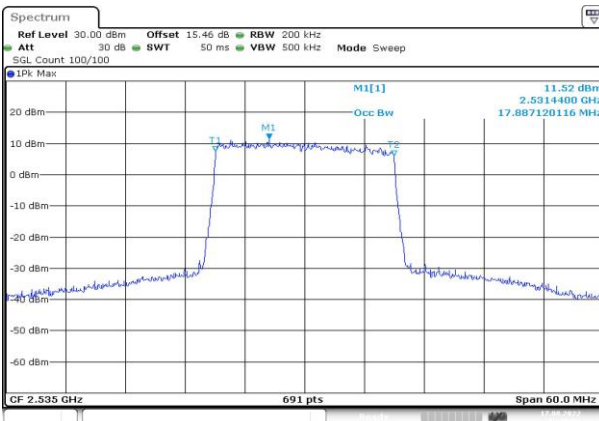


Fig.23

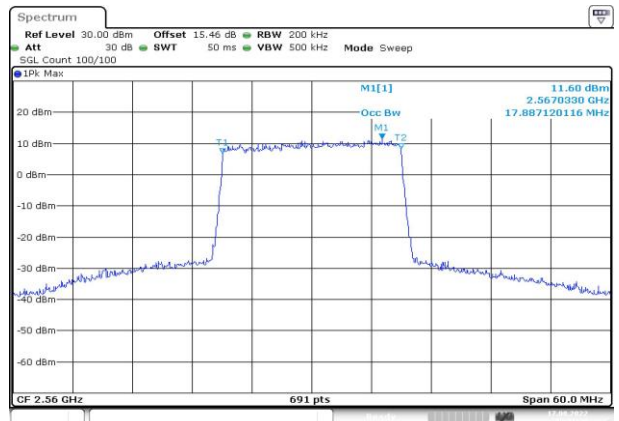


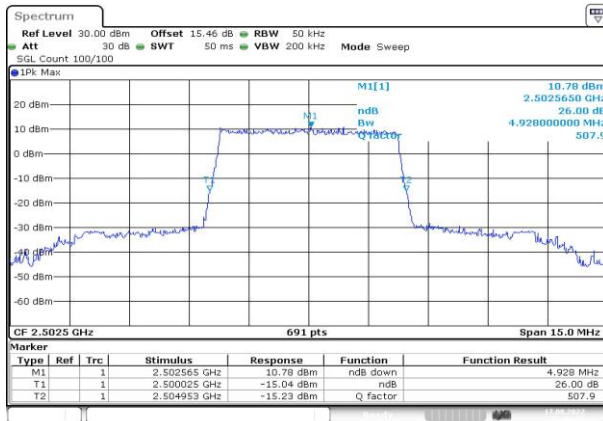
Fig.24

3 Emission Bandwidth

Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
7	QPSK	2502.5	20775	5	25	0	4.928	Fig.1
7	QPSK	2535	21100	5	25	0	4.884	Fig.2
7	QPSK	2567.5	21425	5	25	0	4.863	Fig.3
7	QPSK	2505	20800	10	50	0	9.768	Fig.4
7	QPSK	2535	21100	10	50	0	9.682	Fig.5
7	QPSK	2565	21400	10	50	0	9.638	Fig.6
7	QPSK	2507.5	20825	15	75	0	14.653	Fig.7
7	QPSK	2535	21100	15	75	0	14.522	Fig.8
7	QPSK	2562.5	21375	15	75	0	14.588	Fig.9
7	QPSK	2510	20850	20	100	0	19.190	Fig.10
7	QPSK	2535	21100	20	100	0	19.103	Fig.11
7	QPSK	2560	21350	20	100	0	19.190	Fig.12

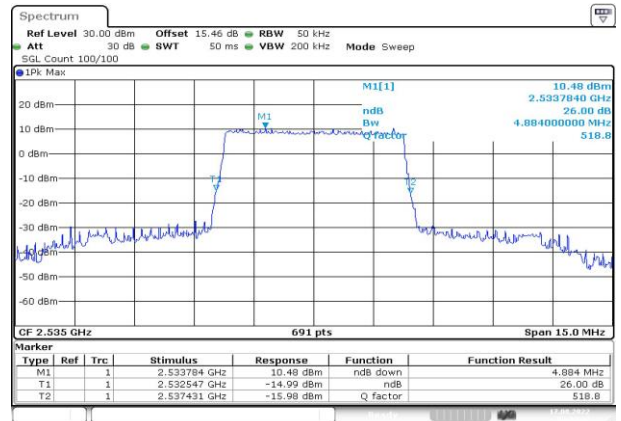
Band	Mode	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)	
7	16QAM	2502.5	20775	5	25	0	4.884	Fig.13
7	16QAM	2535	21100	5	25	0	4.884	Fig.14
7	16QAM	2567.5	21425	5	25	0	4.906	Fig.15
7	16QAM	2505	20800	10	50	0	9.725	Fig.16
7	16QAM	2535	21100	10	50	0	9.595	Fig.17
7	16QAM	2565	21400	10	50	0	9.638	Fig.18
7	16QAM	2507.5	20825	15	75	0	14.522	Fig.19
7	16QAM	2535	21100	15	75	0	14.522	Fig.20
7	16QAM	2562.5	21375	15	75	0	14.457	Fig.21
7	16QAM	2510	20850	20	100	0	19.276	Fig.22
7	16QAM	2535	21100	20	100	0	19.103	Fig.23
7	16QAM	2560	21350	20	100	0	19.103	Fig.24

Test Mode: QPSK



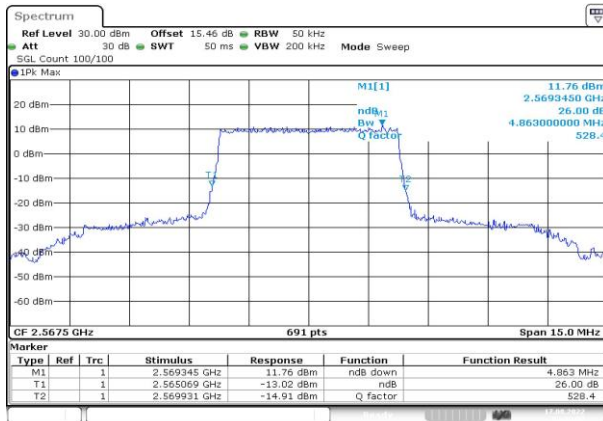
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Fig.1



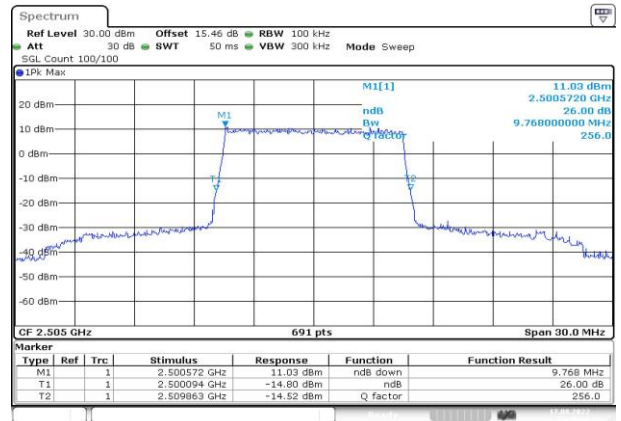
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Fig.2



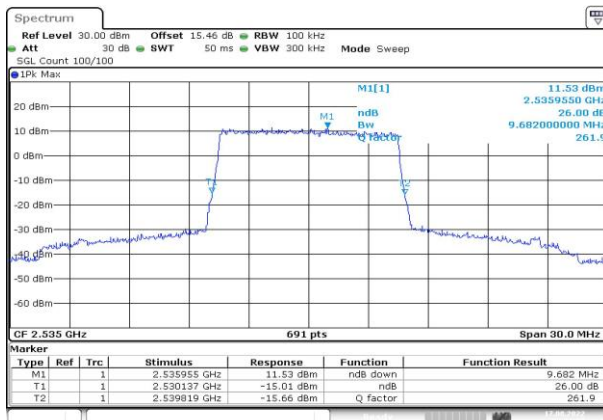
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Fig.3



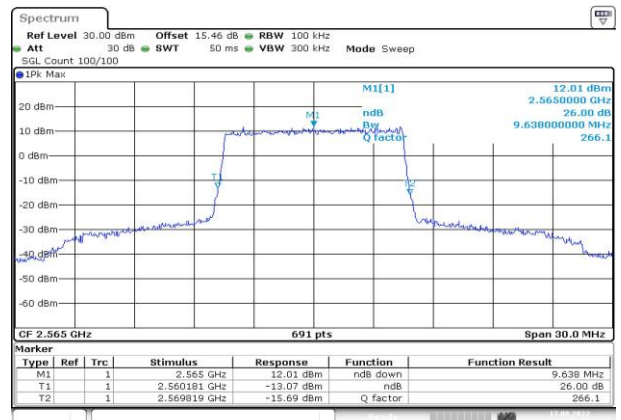
Date: 17_AUG.2022 09:45:16

Fig.4



Date: 17_AUG.2022 09:51:07

Fig.5



Date: 17_AUG.2022 09:56:25

Fig.6

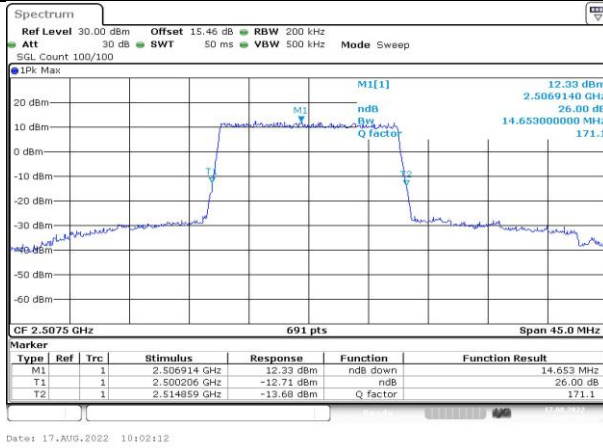


Fig.7

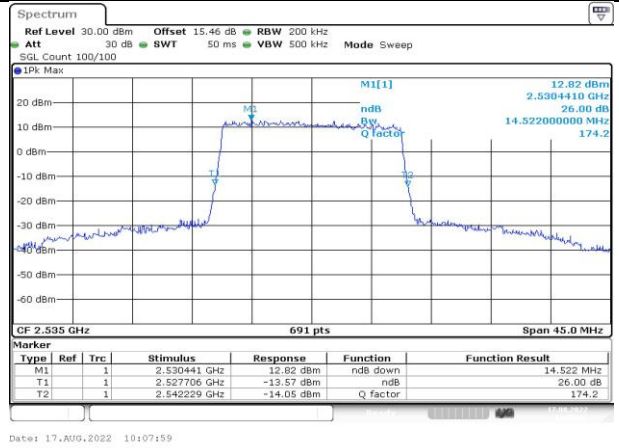


Fig.8

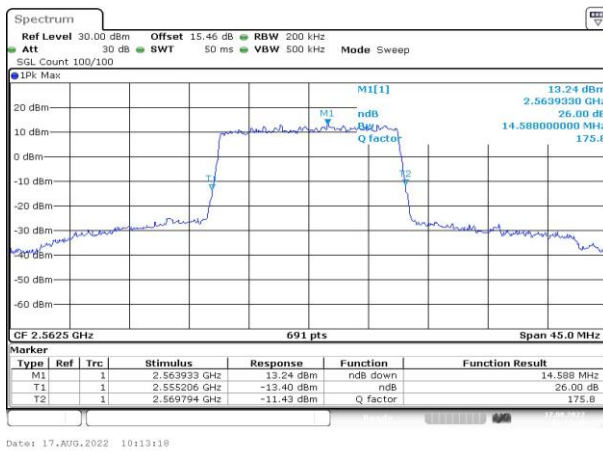


Fig.9

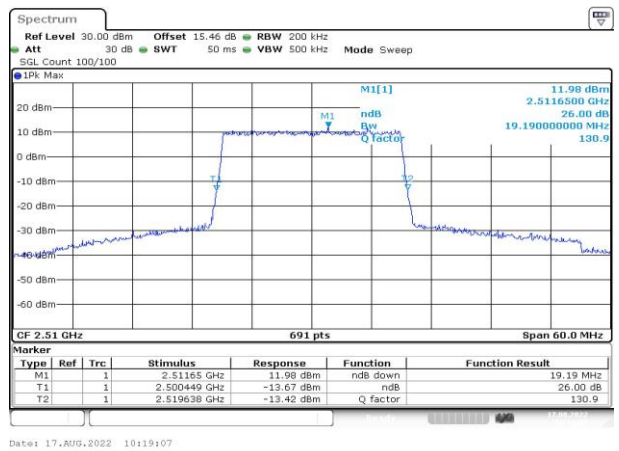


Fig.10

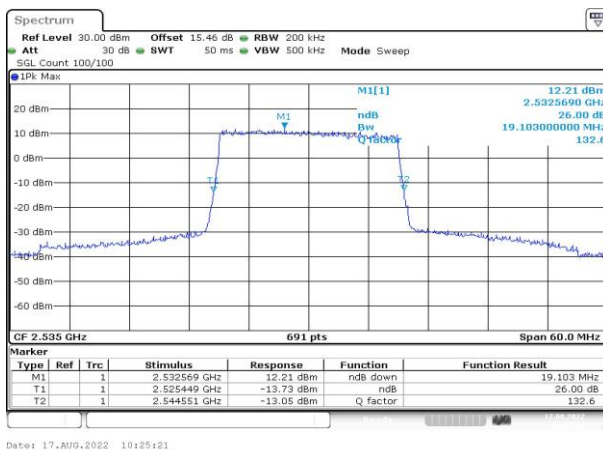


Fig.11

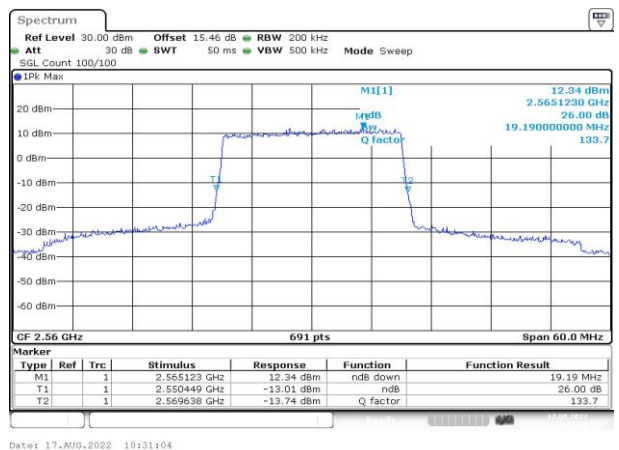


Fig.12

Test Mode: 16QAM

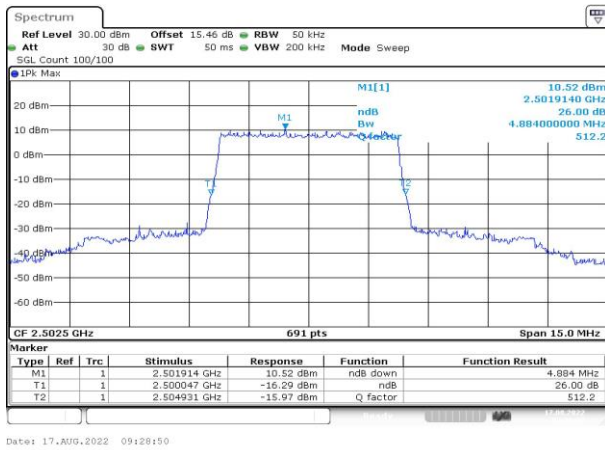


Fig.13

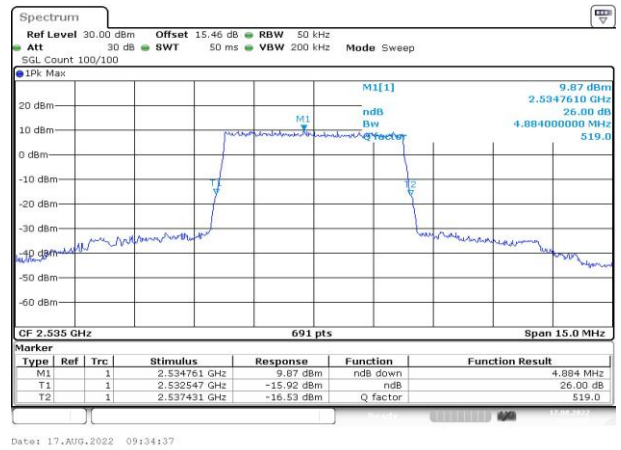


Fig.14

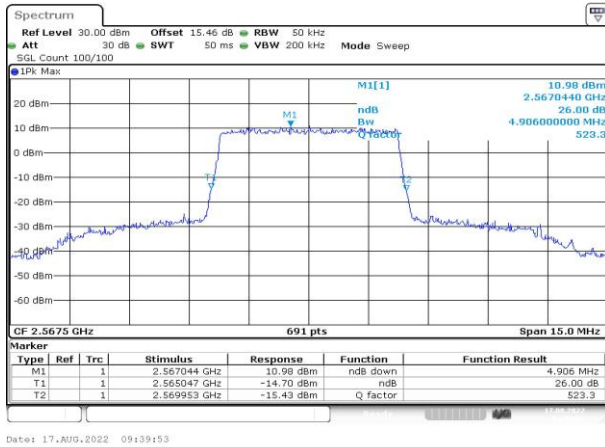


Fig.15

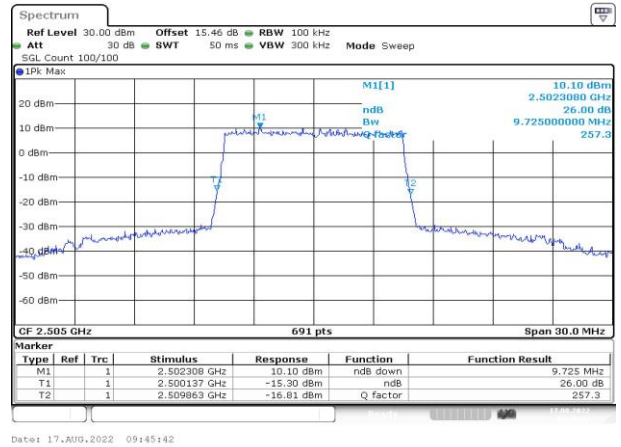


Fig.16

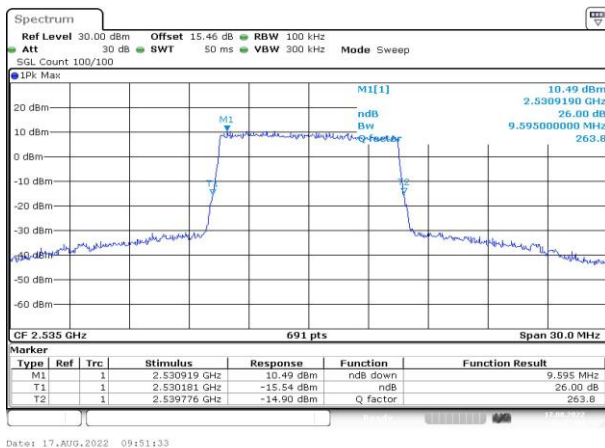


Fig.17

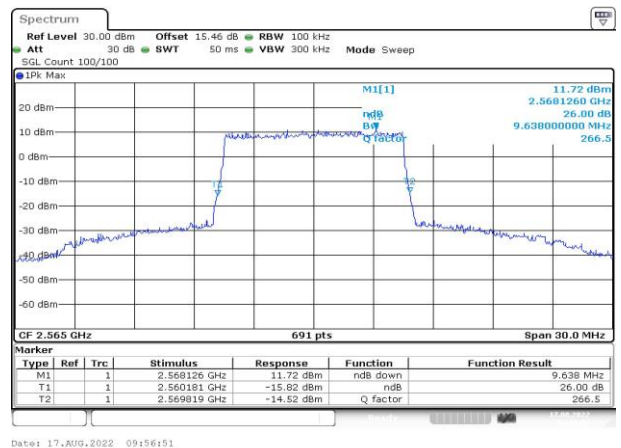


Fig.18

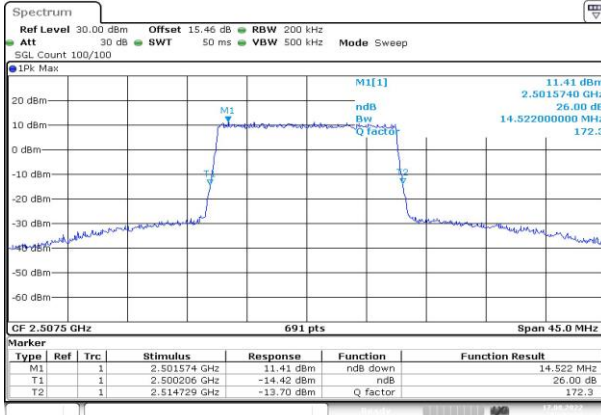


Fig.19

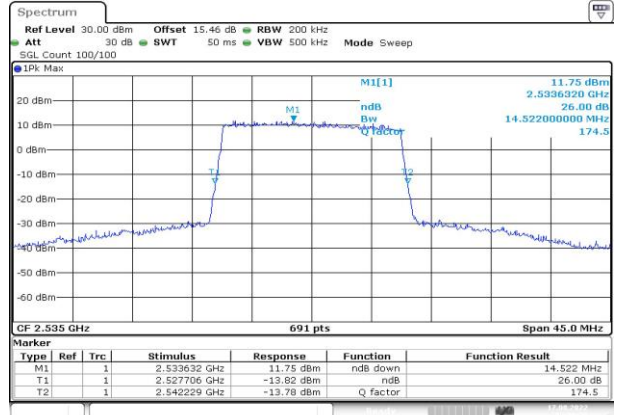


Fig.20

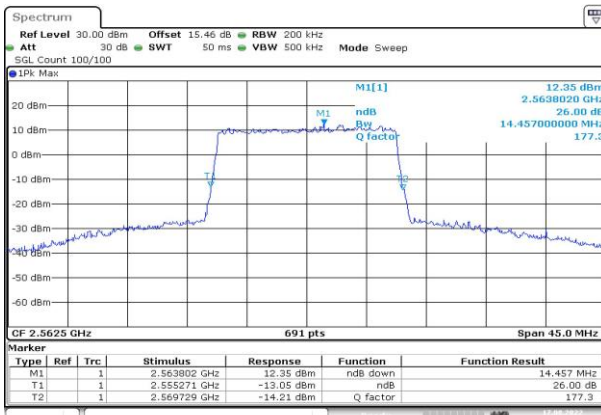


Fig.21

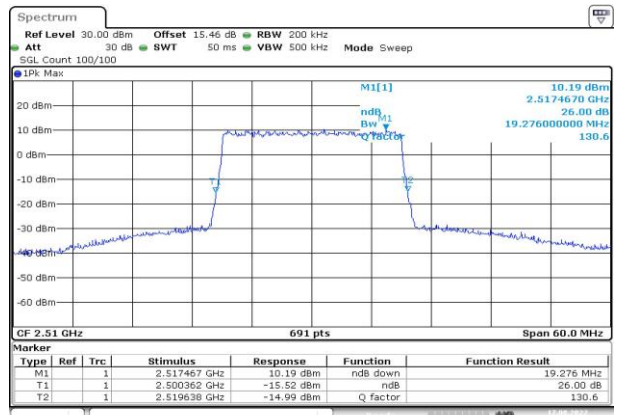


Fig.22

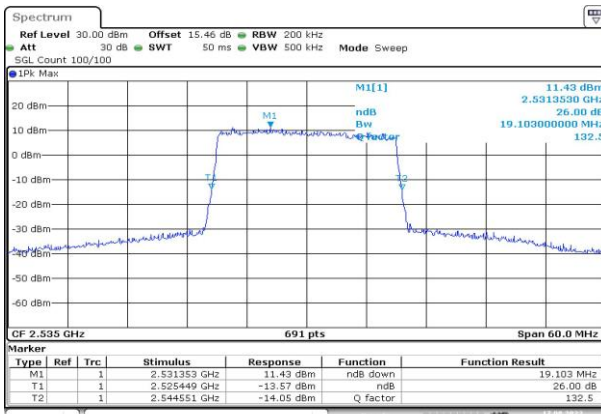


Fig.23

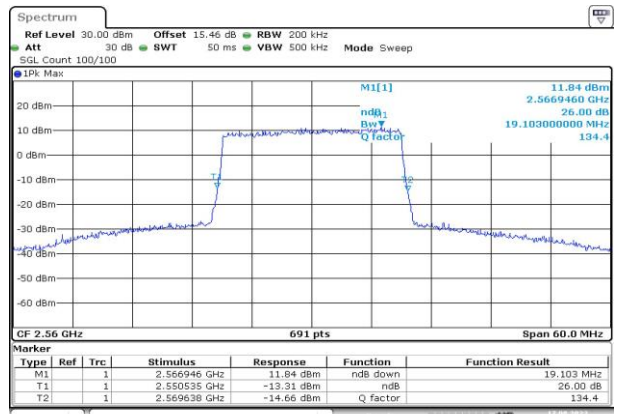


Fig.24

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM
7	2502.5	20775	5	1	24	Fig.1	Fig.2
7	2502.5	20775	5	25	0	Fig.4	Fig.5
7	2535	21100	5	1	24	Fig.7	Fig.8
7	2535	21100	5	25	0	Fig.10	Fig.11
7	2567.5	21425	5	1	24	Fig.13	Fig.14
7	2567.5	21425	5	25	0	Fig.16	Fig.17
7	2505	20800	10	1	49	Fig.19	Fig.20
7	2505	20800	10	50	0	Fig.22	Fig.23
7	2535	21100	10	1	49	Fig.25	Fig.26
7	2535	21100	10	50	0	Fig.28	Fig.29
7	2565	21400	10	1	49	Fig.31	Fig.32
7	2565	21400	10	50	0	Fig.34	Fig.35
7	2507.5	20825	15	1	74	Fig.37	Fig.38
7	2507.5	20825	15	75	0	Fig.40	Fig.41
7	2535	21100	15	1	74	Fig.43	Fig.44
7	2535	21100	15	75	0	Fig.46	Fig.47
7	2562.5	21375	15	1	74	Fig.49	Fig.50
7	2562.5	21375	15	75	0	Fig.52	Fig.53
7	2510	20850	20	1	99	Fig.55	Fig.56
7	2510	20850	20	100	0	Fig.58	Fig.59
7	2535	21100	20	1	99	Fig.61	Fig.62
7	2535	21100	20	100	0	Fig.64	Fig.65
7	2560	21350	20	1	99	Fig.67	Fig.68
7	2560	21350	20	100	0	Fig.70	Fig.71



Fig.1



Fig.2

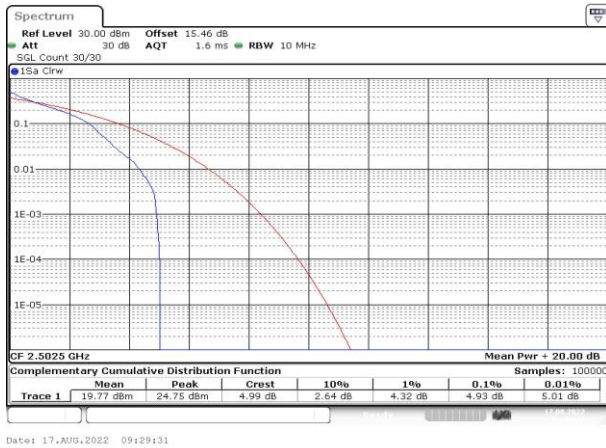


Fig.3

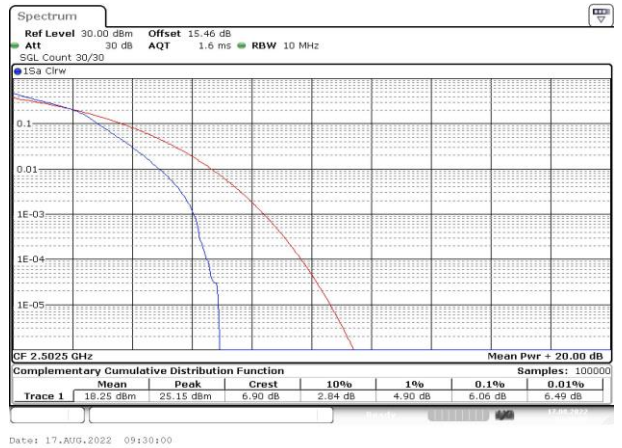


Fig.4

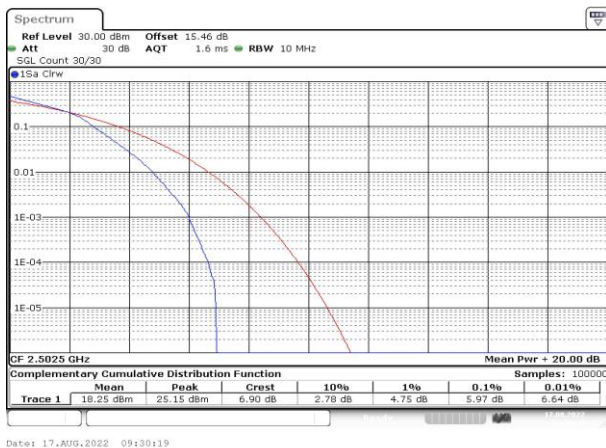


Fig.5

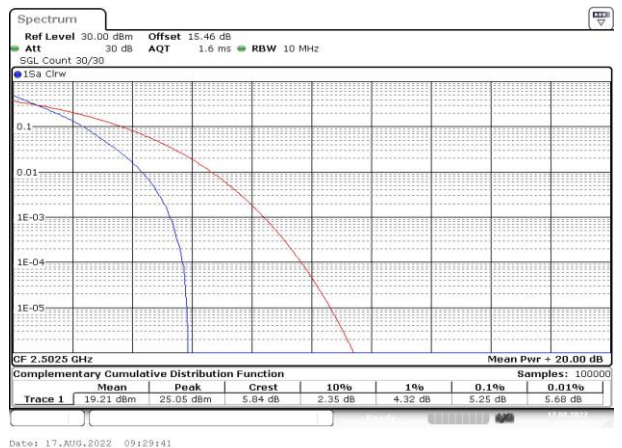


Fig.6

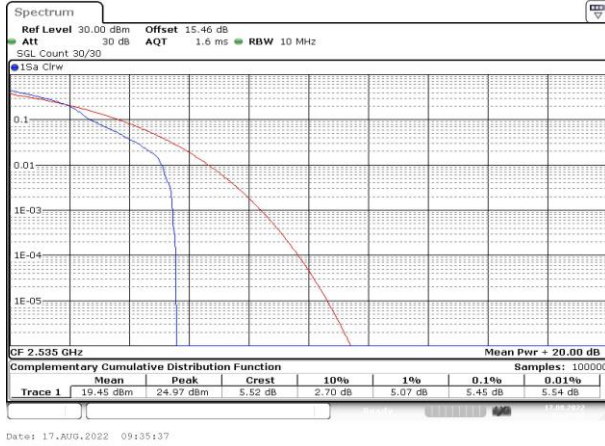


Fig.7

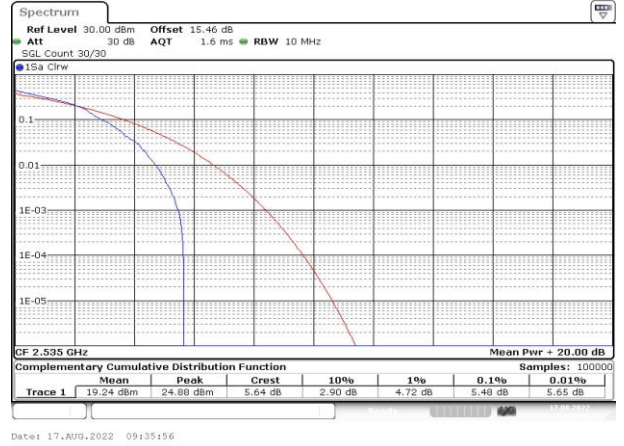


Fig.8

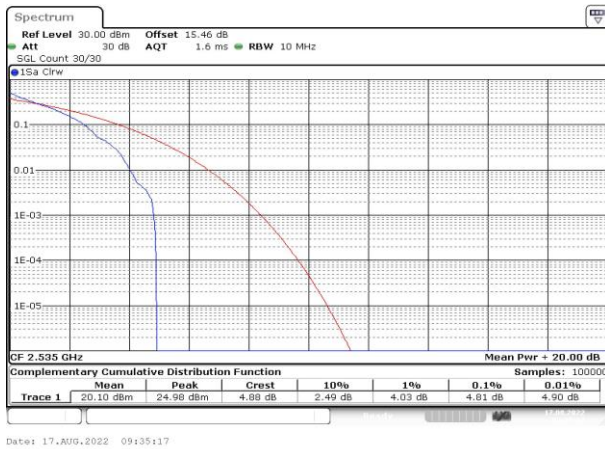


Fig.9

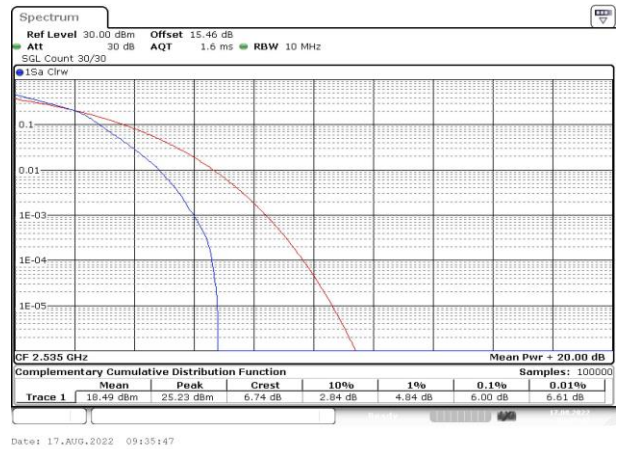


Fig.10

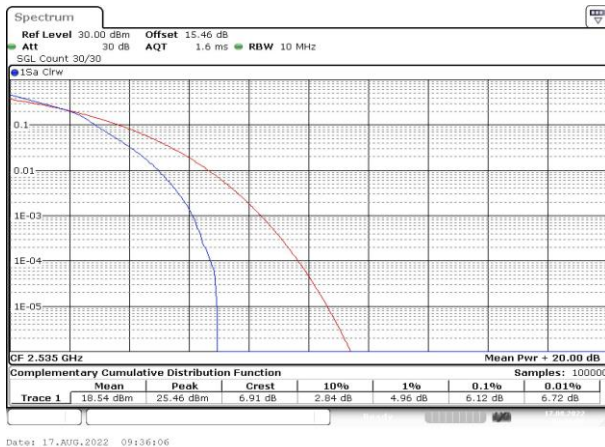


Fig.11

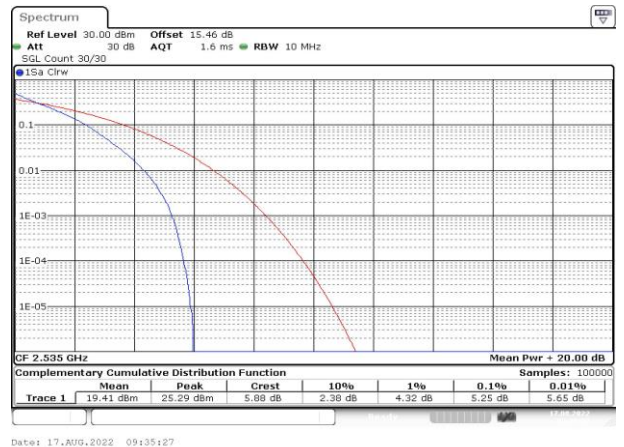


Fig.12