

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 7

RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2502.5	20775	5	1	0	22.23
				1	24	22.26
				12	6	21.16
				25	0	21.18
	2535	21100		1	0	21.96
				1	24	22.11
				12	6	21.19
				25	0	21.02
	2567.5	21425		1	0	21.71
				1	24	21.72
				12	6	20.92
				25	0	20.78
16QAM	2502.5	20775	5	1	0	21.31
				1	24	21.30
				12	6	20.34
				25	0	20.32
	2535	21100		1	0	21.50
				1	24	21.56
				12	6	20.31
				25	0	20.24
	2567.5	21425		1	0	21.52
				1	24	21.41
				12	6	19.94
				25	0	19.95
64QAM	2502.5	20775	5	1	0	21.21
				1	24	21.15
				12	6	20.23
				25	0	20.28
	2535	21100		1	0	21.42
				1	24	21.41
				12	6	20.32
				25	0	20.23
	2567.5	21425		1	0	21.42
				1	24	21.44
				12	6	19.94
				25	0	19.91

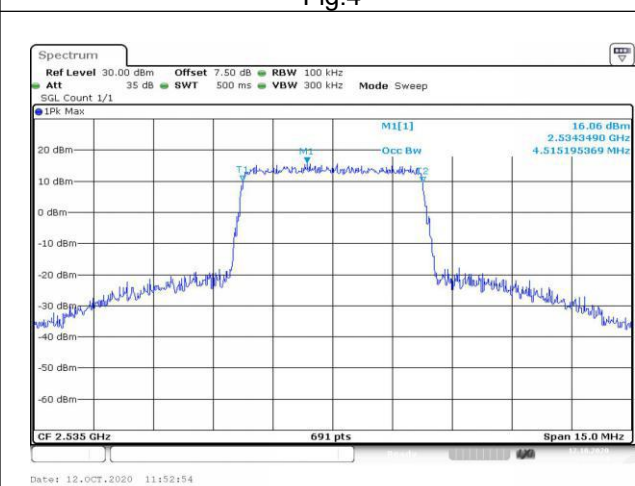
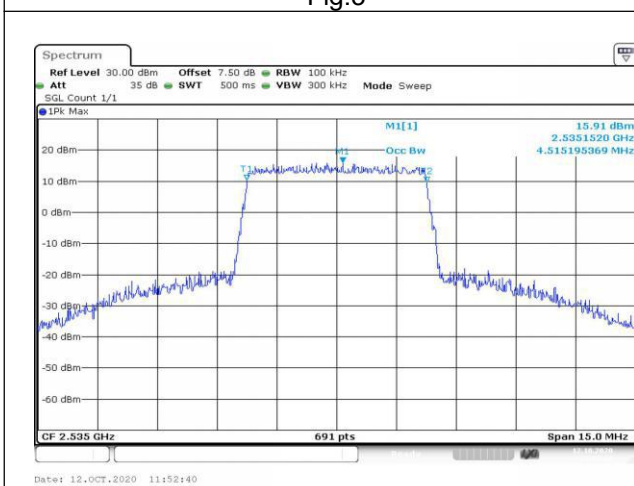
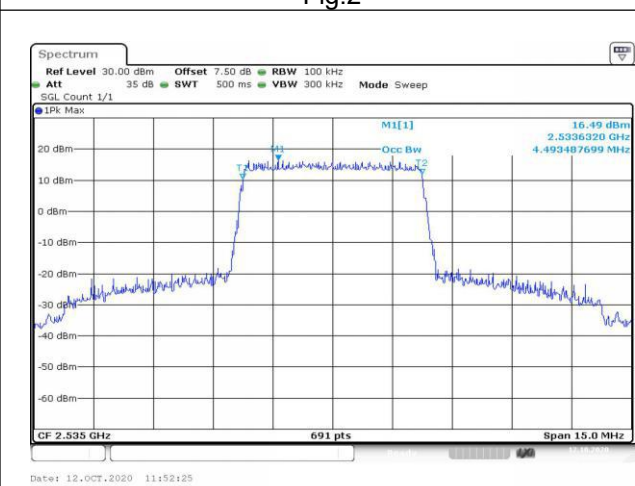
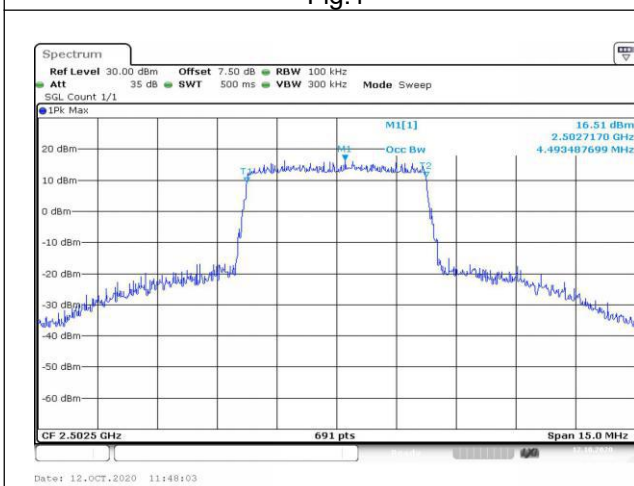
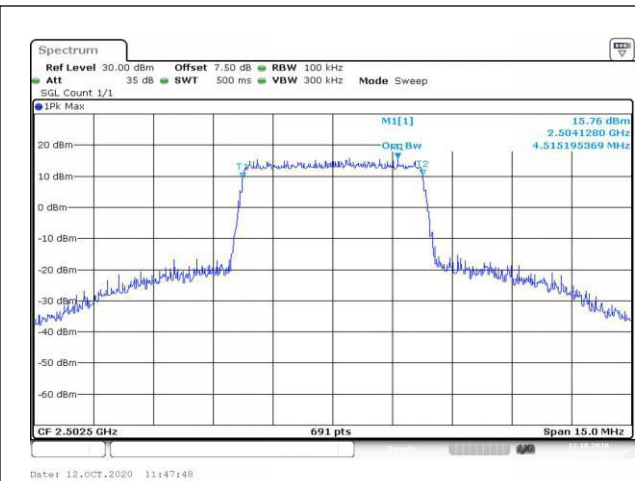
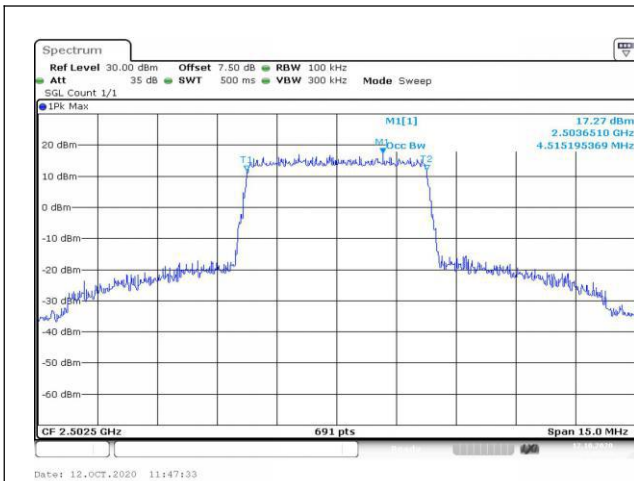
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2505	20800	10	1	0	22.19
				1	49	22.28
				24	12	21.21
				50	0	21.18
	2535	21100		1	0	21.95
				1	49	22.01
				24	12	21.12
				50	0	21.12
	2565	21400		1	0	21.82
				1	49	21.69
				24	12	20.91
				50	0	20.75
16QAM	2505	20800	10	1	0	21.24
				1	49	21.39
				24	12	20.33
				50	0	20.33
	2535	21100		1	0	21.39
				1	49	21.53
				24	12	20.19
				50	0	20.28
	2565	21400		1	0	21.47
				1	49	21.47
				24	12	19.94
				50	0	19.86
64QAM	2505	20800	10	1	0	21.23
				1	49	21.19
				24	12	20.29
				50	0	20.27
	2535	21100		1	0	21.52
				1	49	21.38
				24	12	20.28
				50	0	20.25
	2565	21400		1	0	21.44
				1	49	21.37
				24	12	19.97
				50	0	19.87

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2507.5	20825	15	1	0	22.20
				1	74	22.34
				40	18	21.22
				75	0	21.19
	2535	21100		1	0	21.96
				1	74	22.05
				40	18	21.18
				75	0	21.04
	2562.5	21375		1	0	21.82
				1	74	21.78
				40	18	20.90
				75	0	20.72
16QAM	2507.5	20825	15	1	0	21.23
				1	74	21.39
				40	18	20.33
				75	0	20.35
	2535	21100		1	0	21.44
				1	74	21.45
				40	18	20.26
				75	0	20.23
	2562.5	21375		1	0	21.54
				1	74	21.47
				40	18	20.00
				75	0	19.82
64QAM	2507.5	20825	15	1	0	21.17
				1	74	21.26
				40	18	20.24
				75	0	20.30
	2535	21100		1	0	21.42
				1	74	21.35
				40	18	20.27
				75	0	20.26
	2562.5	21375		1	0	21.44
				1	74	21.41
				40	18	19.91
				75	0	19.86

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	22.26
				1	99	22.41
				50	25	21.30
				100	0	21.27
	2535	21100		1	0	22.04
				1	99	22.15
				50	25	21.24
				100	0	21.16
	2560	21350		1	0	21.83
				1	99	21.81
				50	25	20.94
				100	0	20.86
16QAM	2510	20850	20	1	0	21.31
				1	99	21.43
				50	25	20.41
				100	0	20.44
	2535	21100		1	0	21.54
				1	99	21.57
				50	25	20.33
				100	0	20.34
	2560	21350		1	0	21.56
				1	99	21.55
				50	25	20.04
				100	0	19.95
64QAM	2510	20850	20	1	0	21.32
				1	99	21.28
				50	25	20.37
				100	0	20.36
	2535	21100		1	0	21.56
				1	99	21.49
				50	25	20.32
				100	0	20.29
	2560	21350		1	0	21.47
				1	99	21.46
				50	25	19.98
				100	0	19.96

Occupied Bandwidth
Test result

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
7	2502.5	20775	5	25	0	4.515	Fig.1	4.515	Fig.2	4.493	Fig.3
	2535	21100		25	0	4.493	Fig.4	4.515	Fig.5	4.515	Fig.6
	2567.5	21425		25	0	4.515	Fig.7	4.515	Fig.8	4.515	Fig.9
	2505	20800	10	50	0	9.074	Fig.10	9.074	Fig.11	9.074	Fig.12
	2535	21100		50	0	9.030	Fig.13	9.074	Fig.14	9.030	Fig.15
	2565	21400		50	0	9.074	Fig.16	9.074	Fig.17	9.074	Fig.18
	2507.5	20825	15	75	0	13.480	Fig.19	13.546	Fig.20	13.480	Fig.21
	2535	21100		75	0	13.415	Fig.22	13.546	Fig.23	13.546	Fig.24
	2562.5	21375		75	0	13.480	Fig.25	13.480	Fig.26	13.480	Fig.27
	2510	20850	20	100	0	17.974	Fig.28	17.887	Fig.29	17.887	Fig.30
	2535	21100		100	0	17.887	Fig.31	17.887	Fig.32	17.887	Fig.33
	2560	21350		100	0	17.974	Fig.34	17.887	Fig.35	17.887	Fig.36



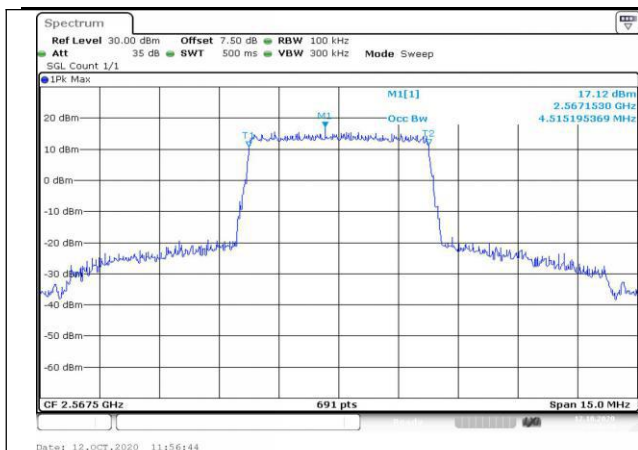


Fig.7

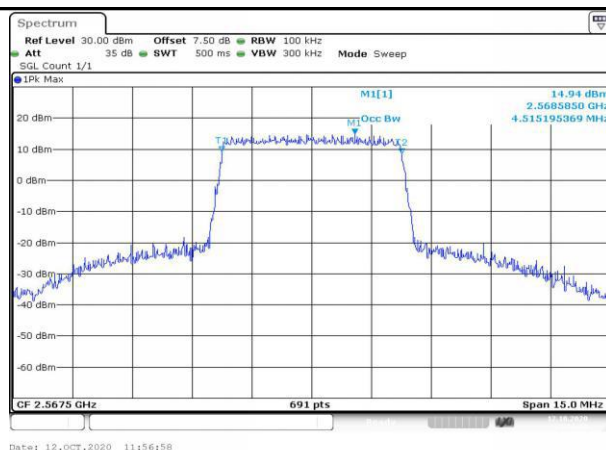


Fig.8

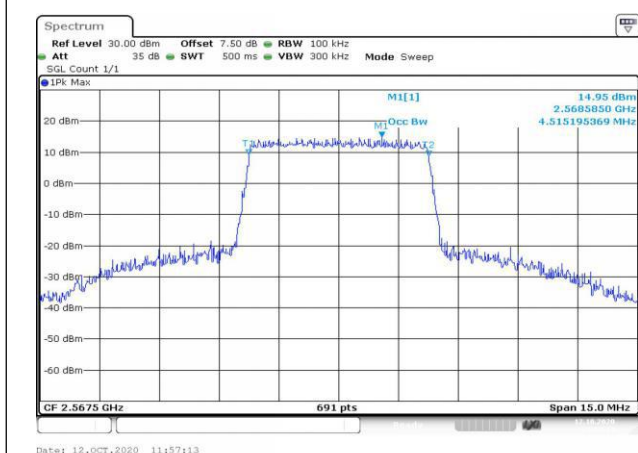


Fig.9

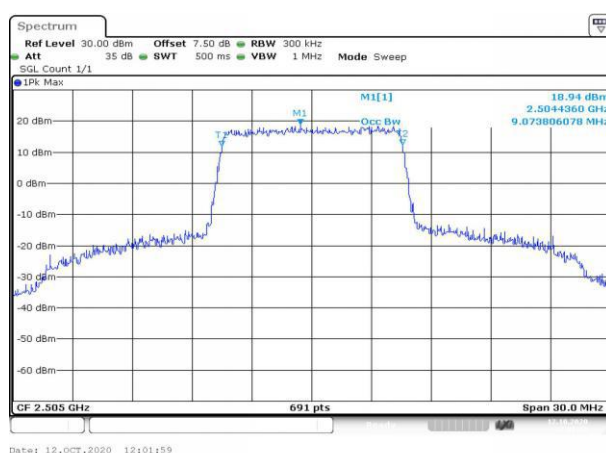


Fig.10

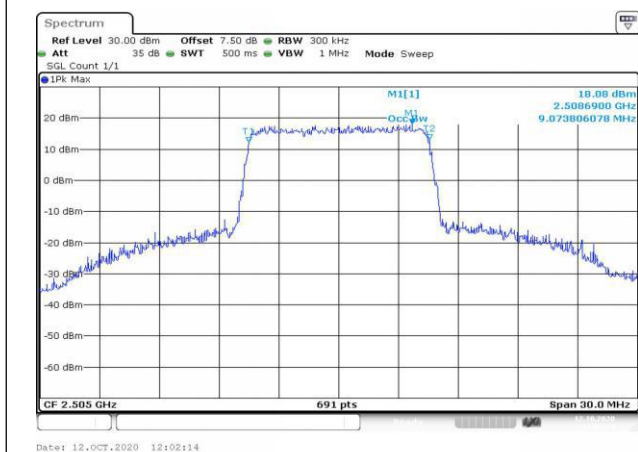


Fig.11

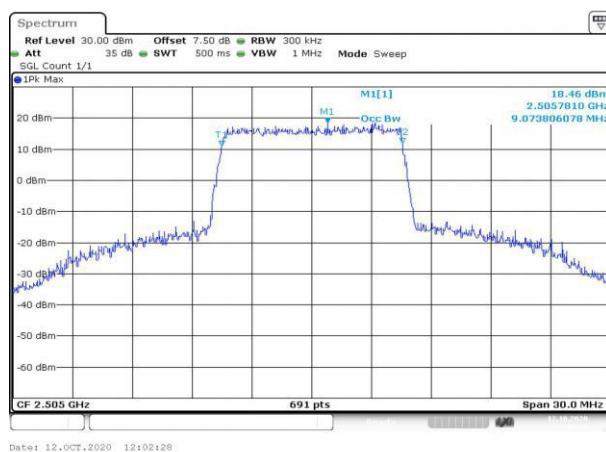


Fig.12

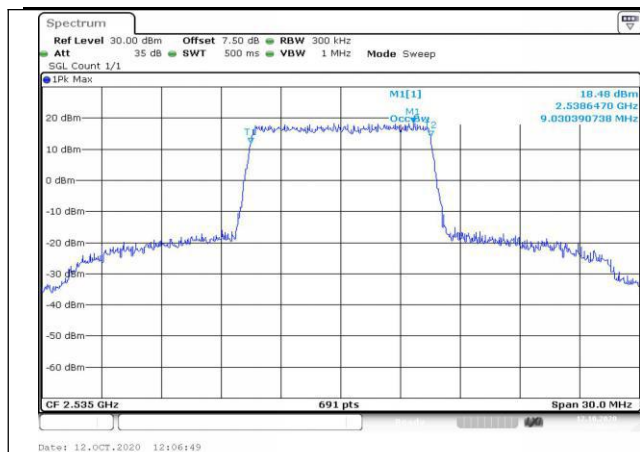


Fig.13

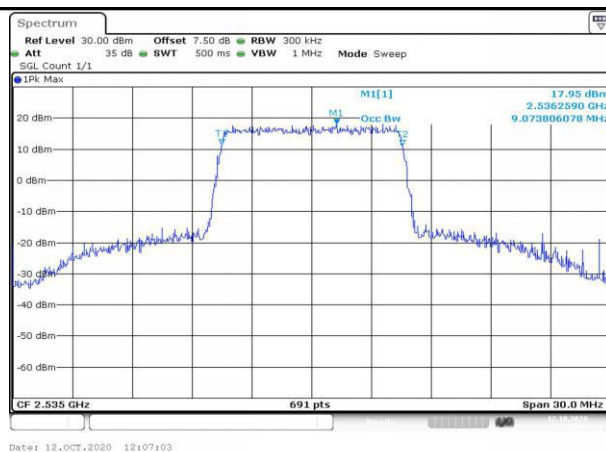


Fig.14

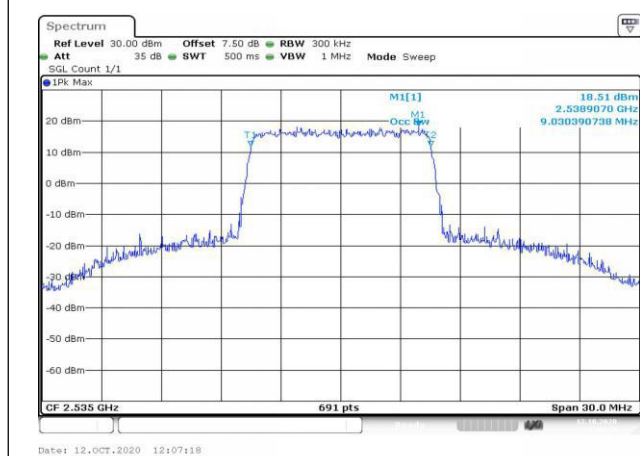


Fig.15

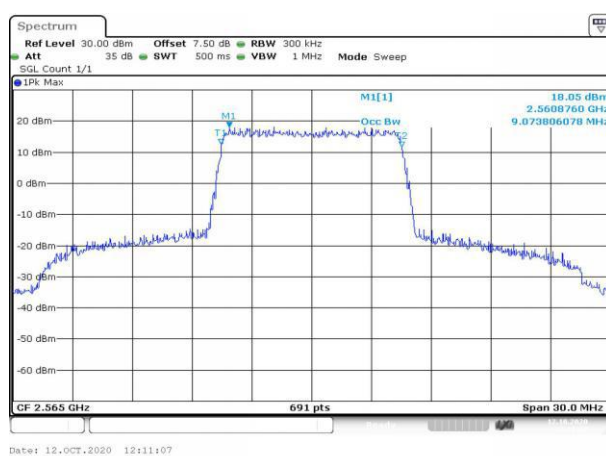


Fig.16

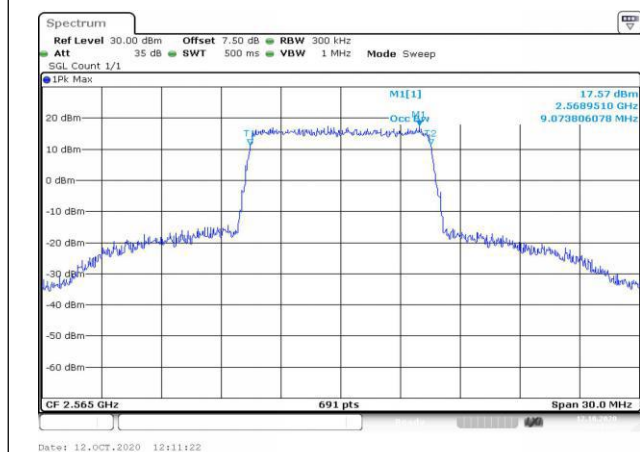


Fig.17

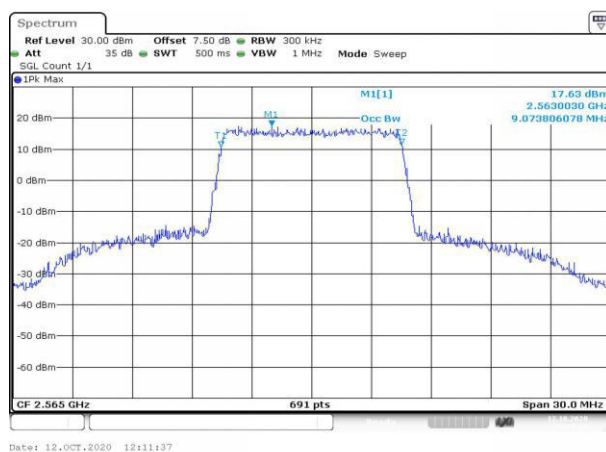
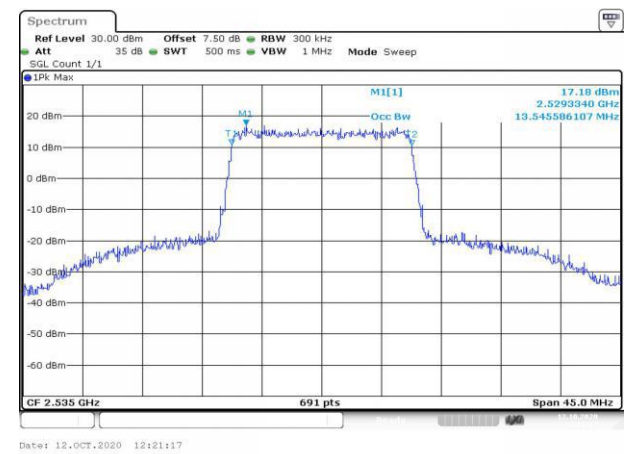
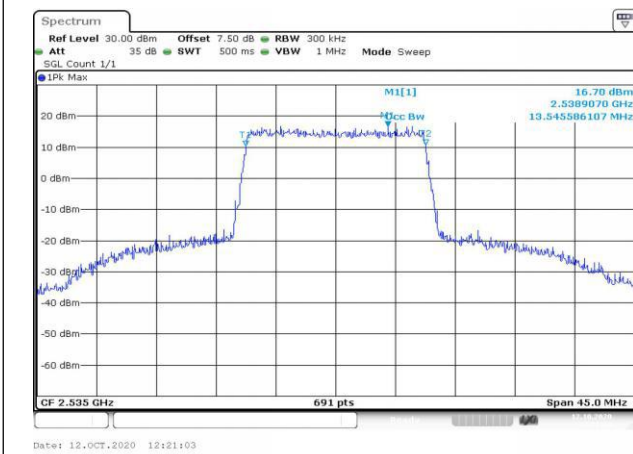
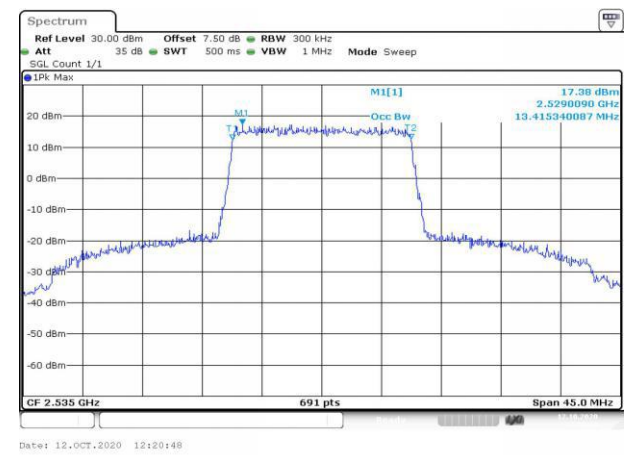
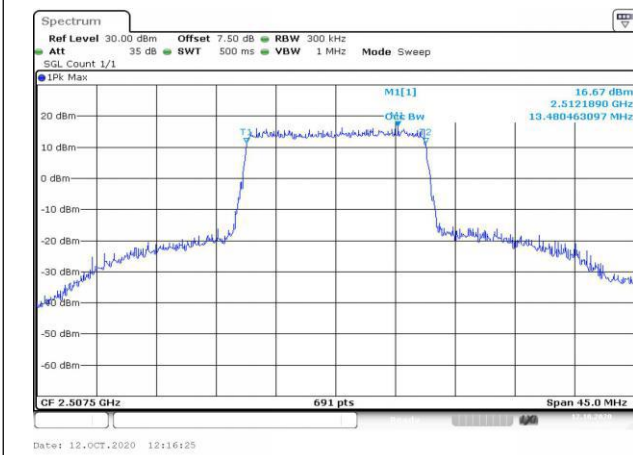
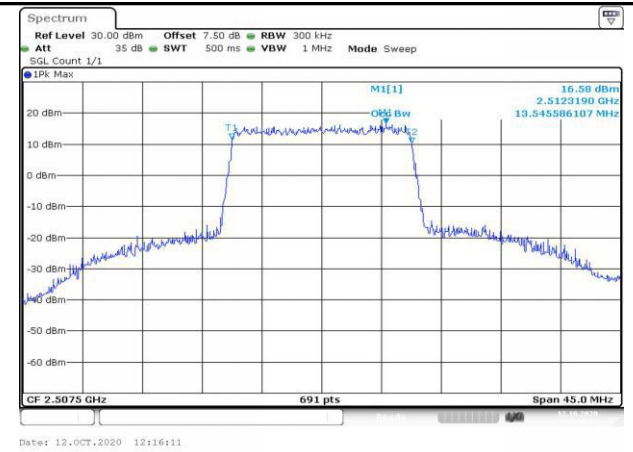
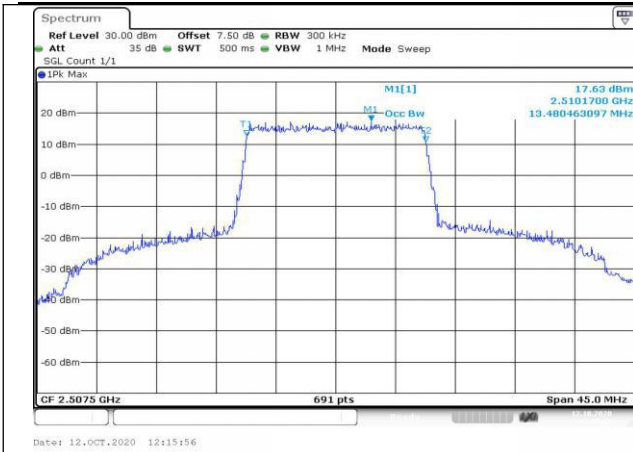


Fig.18



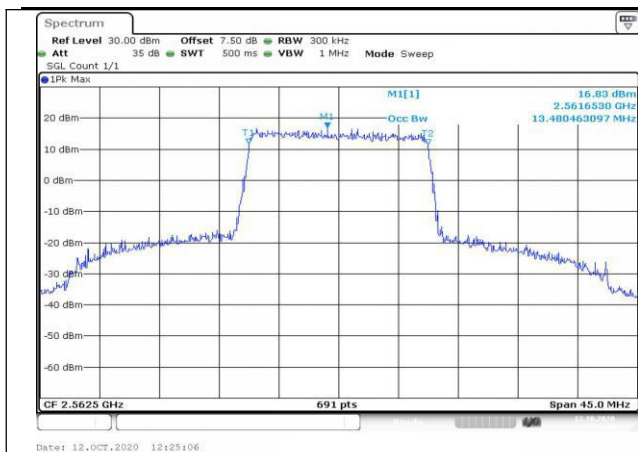


Fig.25

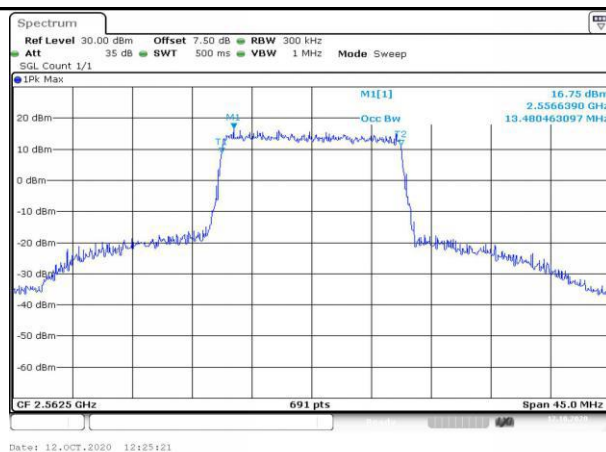


Fig.26

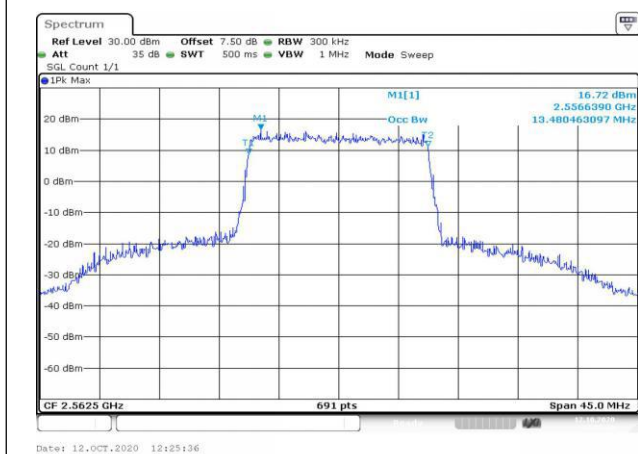


Fig.27

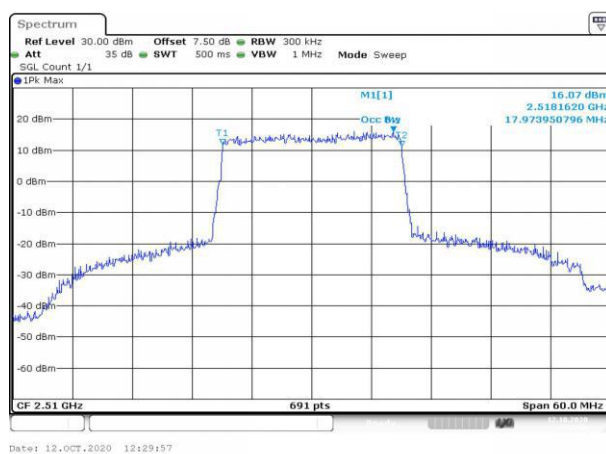


Fig.28

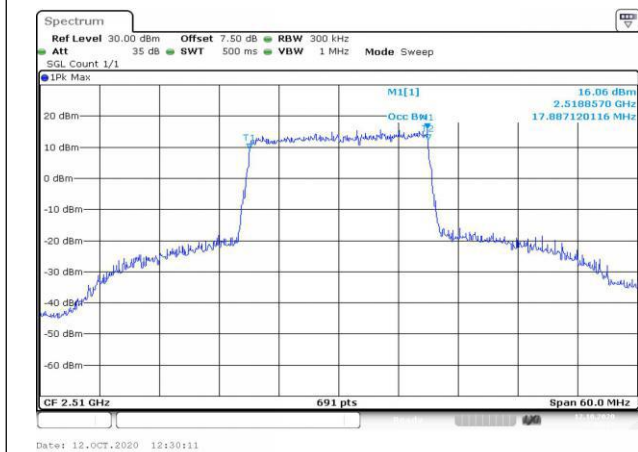


Fig.29

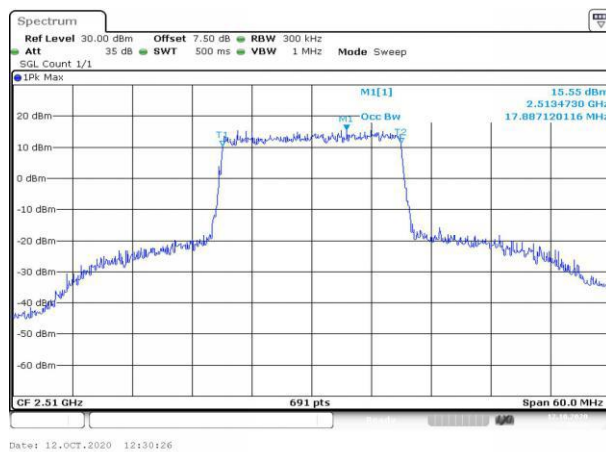
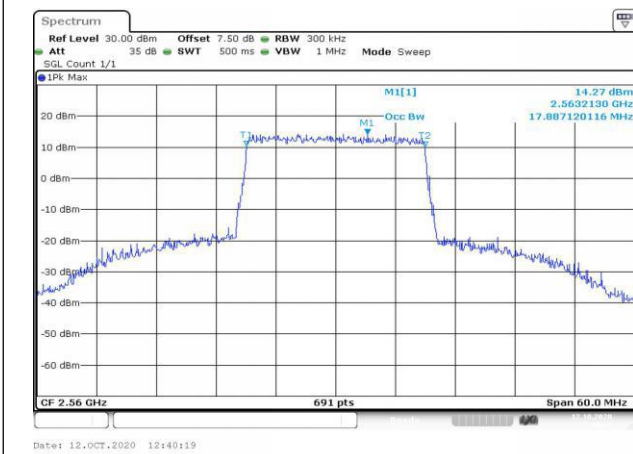
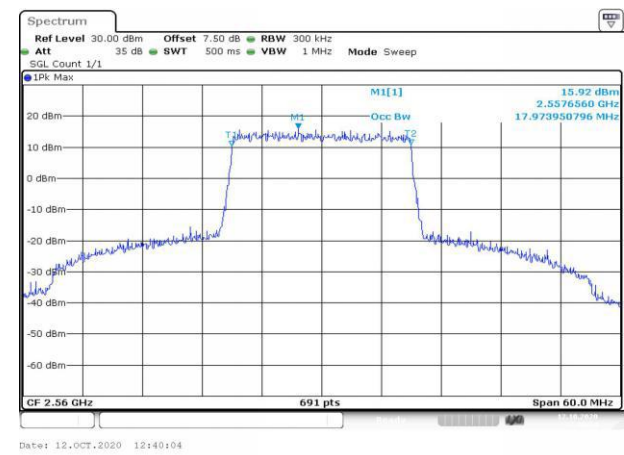
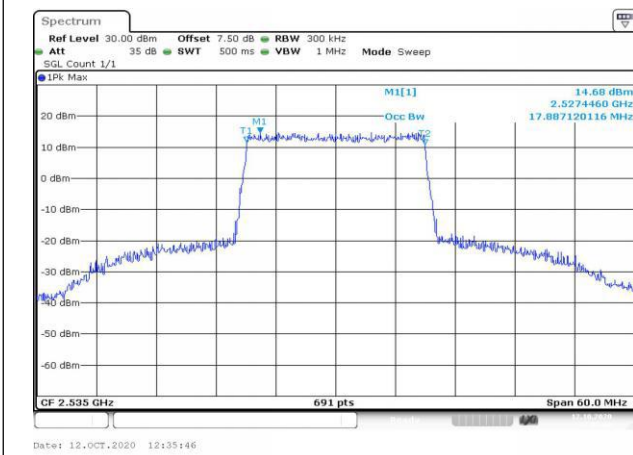
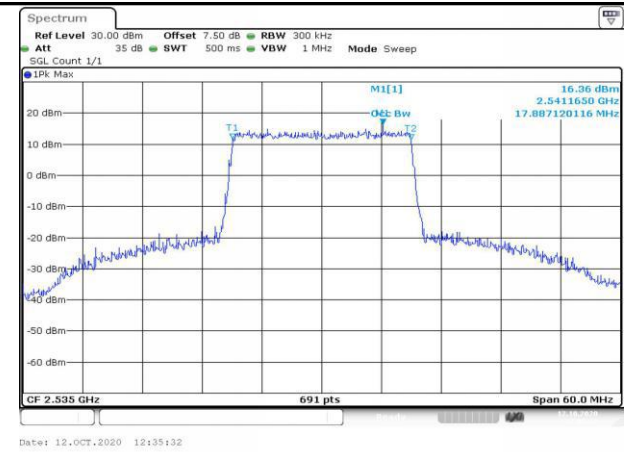
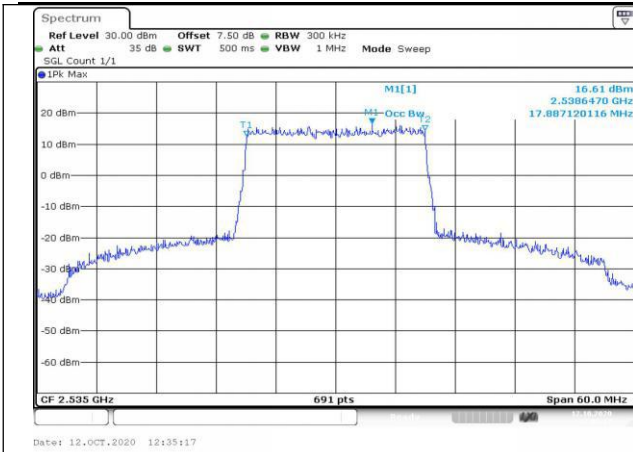


Fig.30



Emission Bandwidth
Test result

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
7	2502.5	20775	5	25	0	4.928	Fig.1	4.971	Fig.2	4.949	Fig.3
	2535	21100		25	0	4.928	Fig.4	4.949	Fig.5	4.971	Fig.6
	2567.5	21425		25	0	4.971	Fig.7	4.971	Fig.8	4.928	Fig.9
	2505	20800	10	50	0	9.986	Fig.10	10.029	Fig.11	9.986	Fig.12
	2535	21100		50	0	10.072	Fig.13	10.029	Fig.14	9.942	Fig.15
	2565	21400		50	0	10.029	Fig.16	10.029	Fig.17	10.029	Fig.18
	2507.5	20825	15	75	0	14.978	Fig.19	14.848	Fig.20	14.913	Fig.21
	2535	21100		75	0	14.783	Fig.22	14.783	Fig.23	14.783	Fig.24
	2562.5	21375		75	0	14.848	Fig.25	14.718	Fig.26	14.718	Fig.27
	2510	20850	20	100	0	19.450	Fig.28	19.450	Fig.29	19.363	Fig.30
	2535	21100		100	0	19.363	Fig.31	19.450	Fig.32	19.537	Fig.33
	2560	21350		100	0	19.537	Fig.34	19.624	Fig.35	19.450	Fig.36

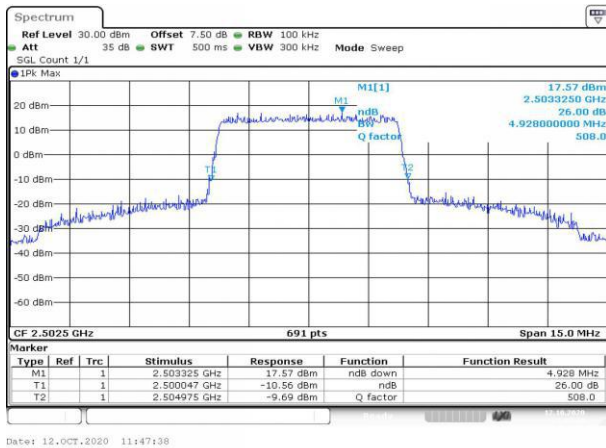


Fig.1

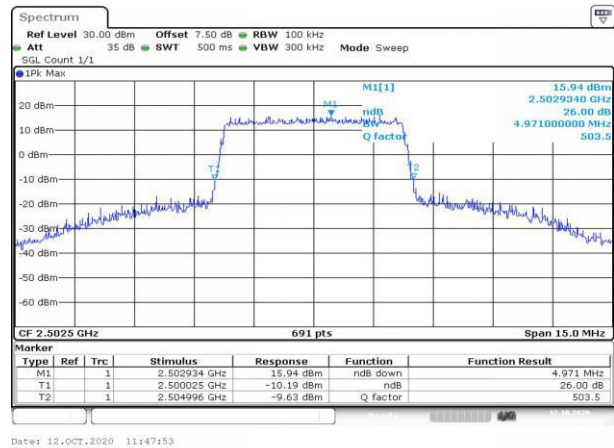


Fig.2

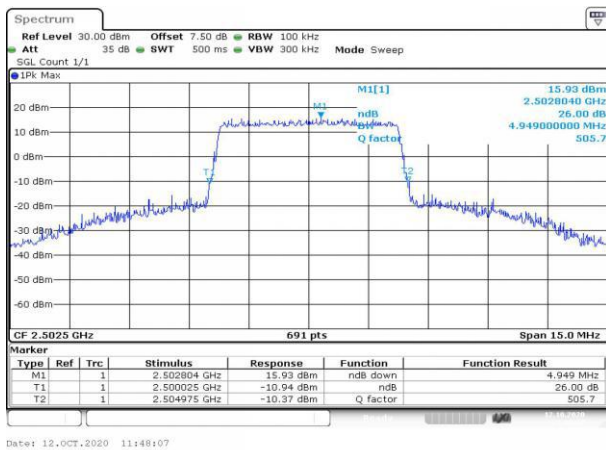


Fig.3

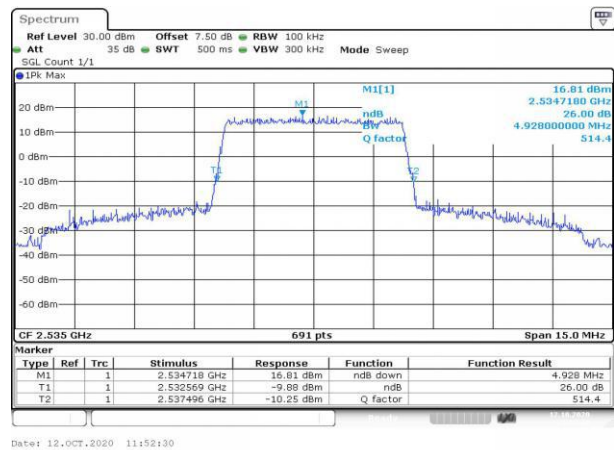


Fig.4

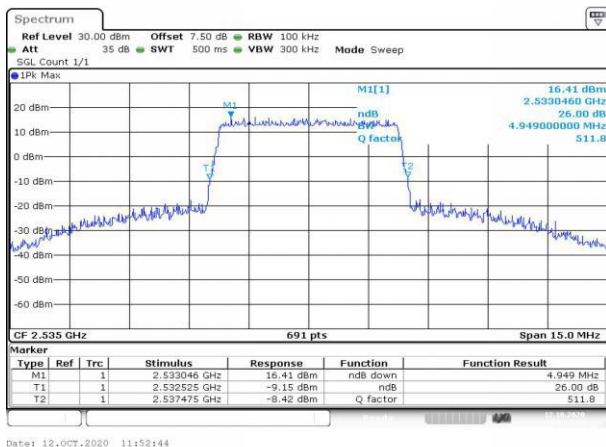


Fig.5

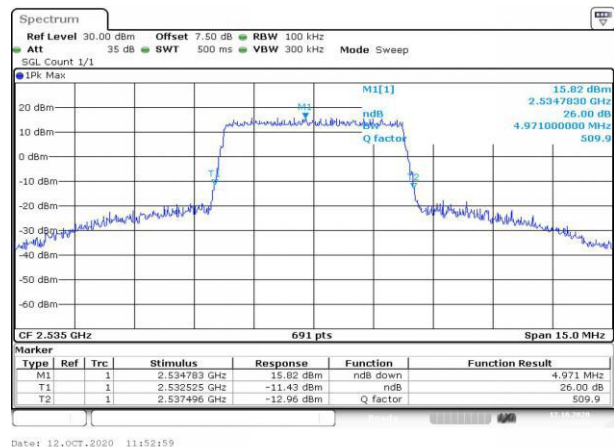


Fig.6

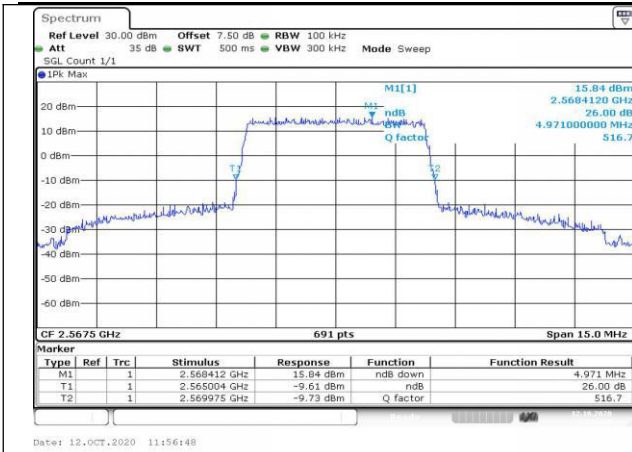


Fig.7

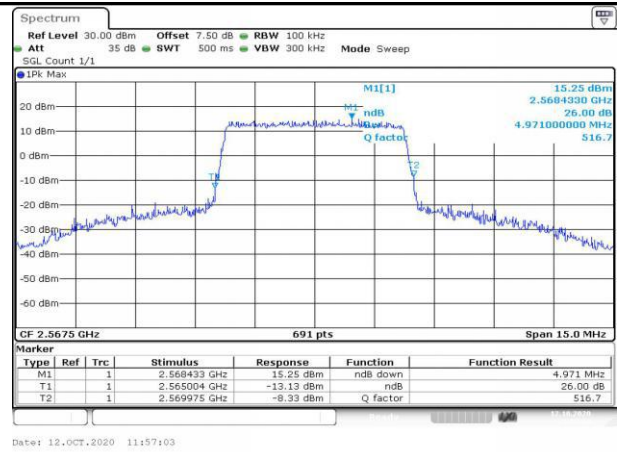


Fig.8

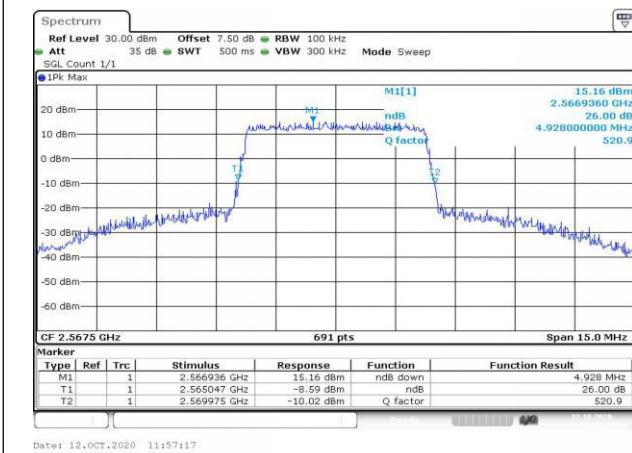


Fig.9

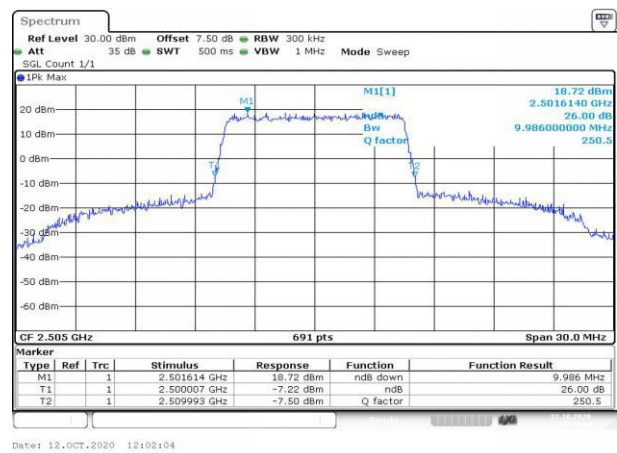


Fig.10

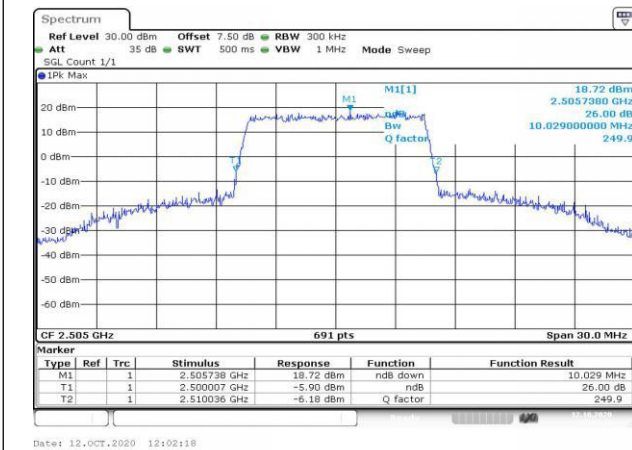


Fig.11

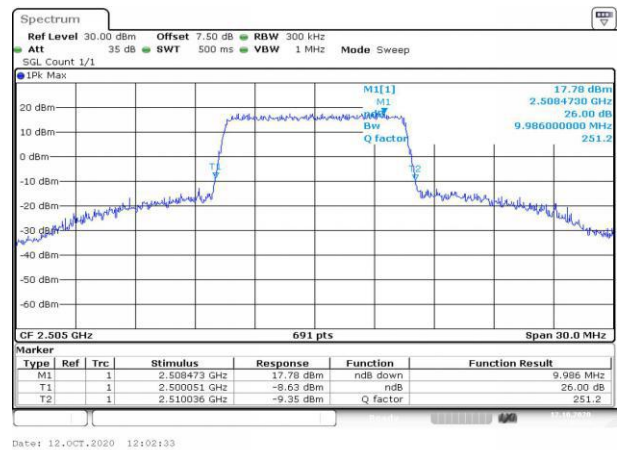


Fig.12

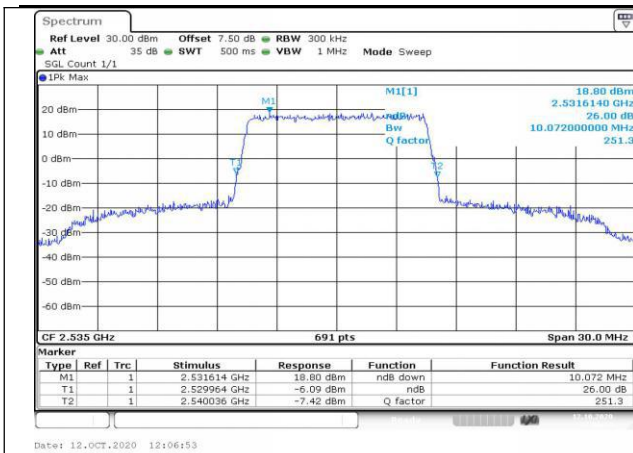


Fig.13

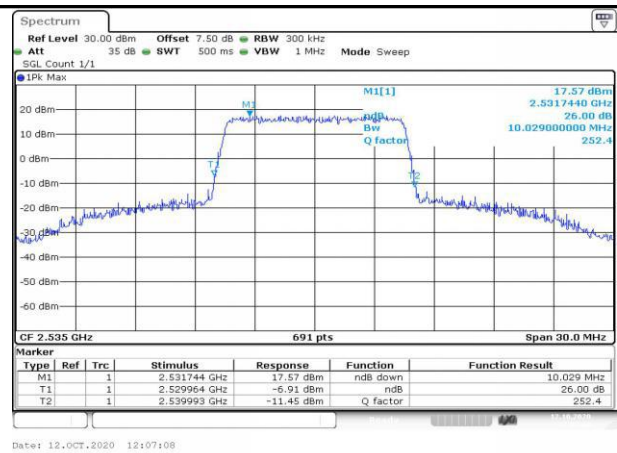


Fig.14

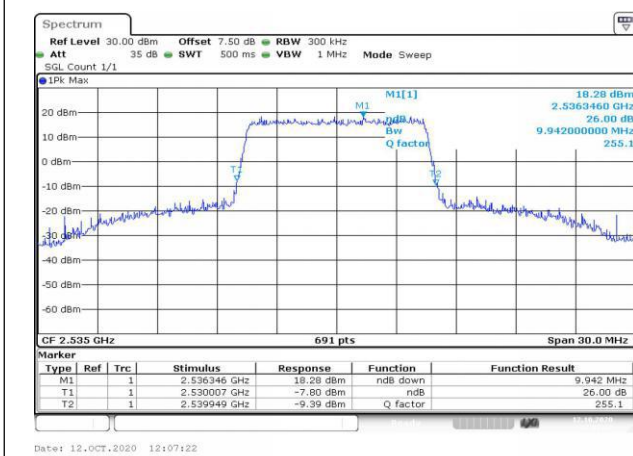


Fig.15

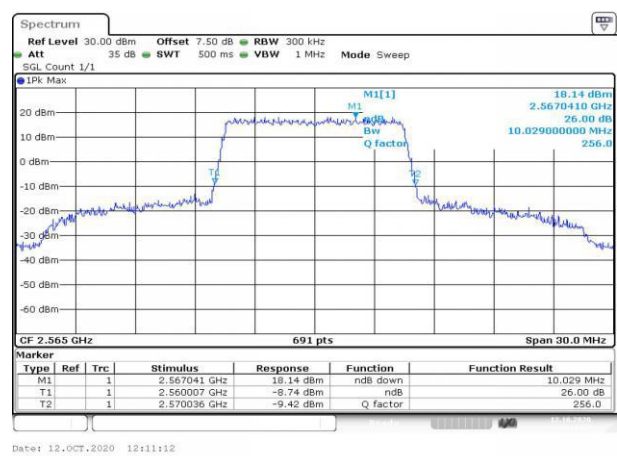


Fig.16

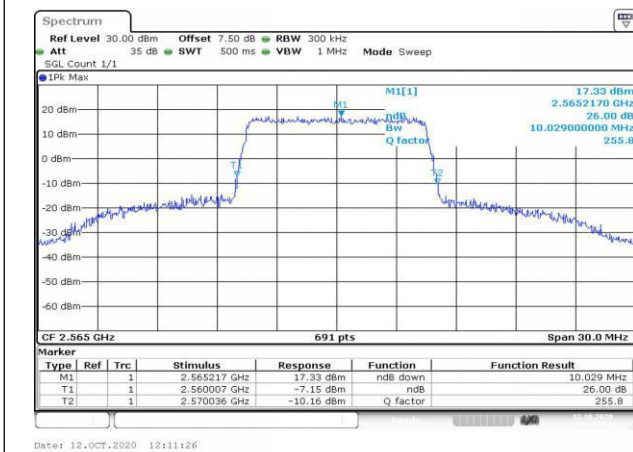


Fig.17

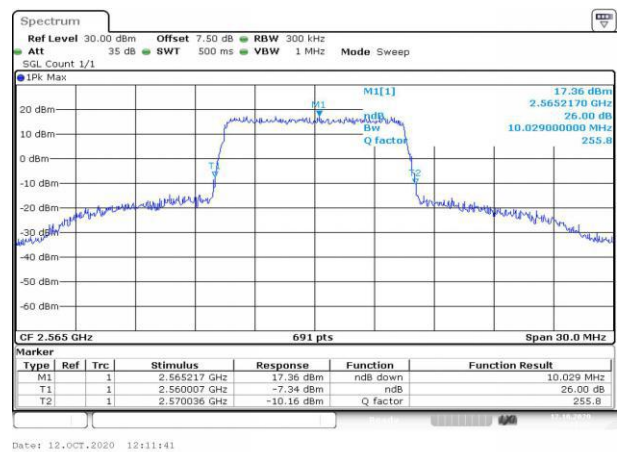


Fig.18

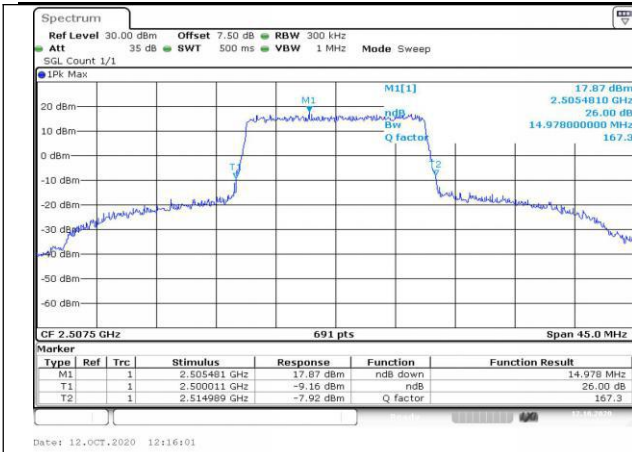


Fig.19

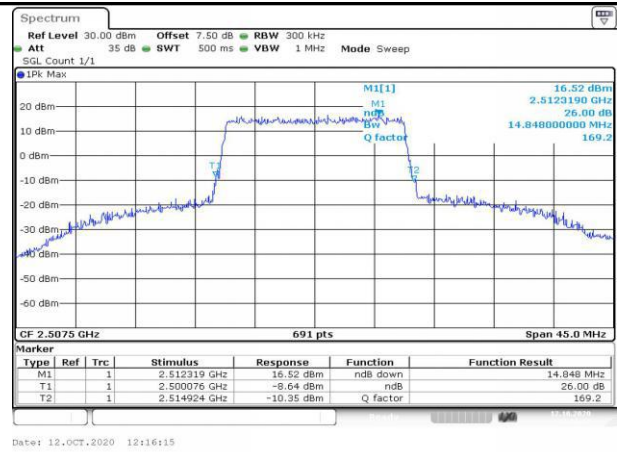


Fig.20

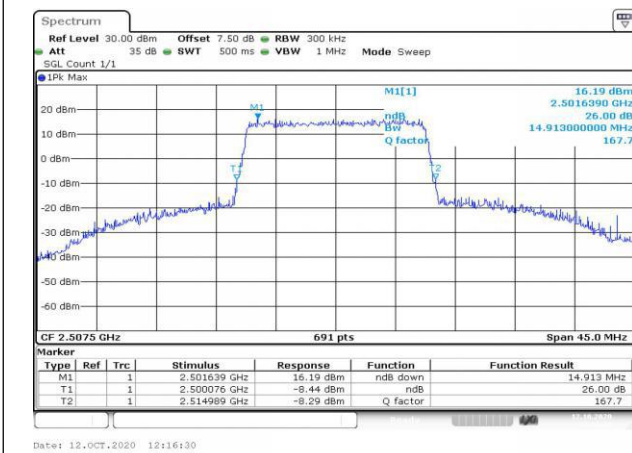


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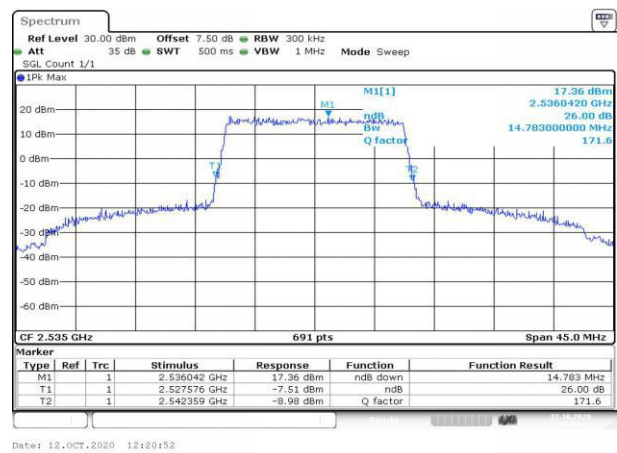


Fig.22

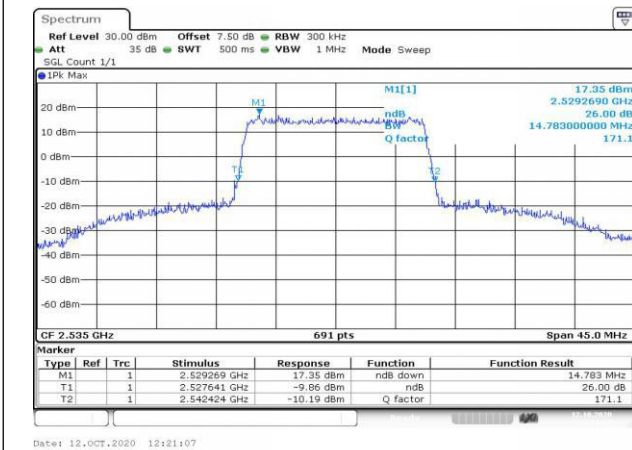


Fig.23

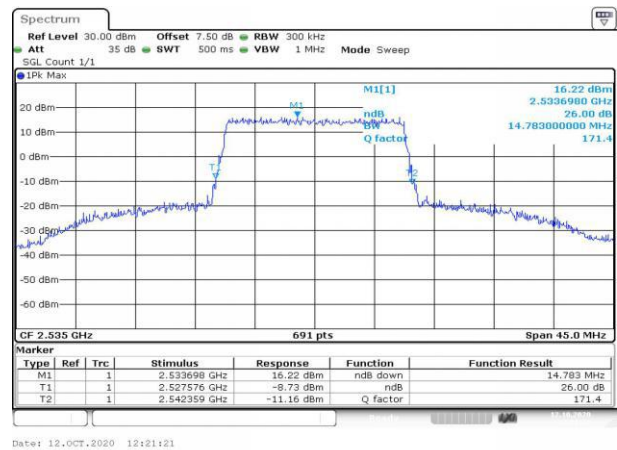


Fig.24

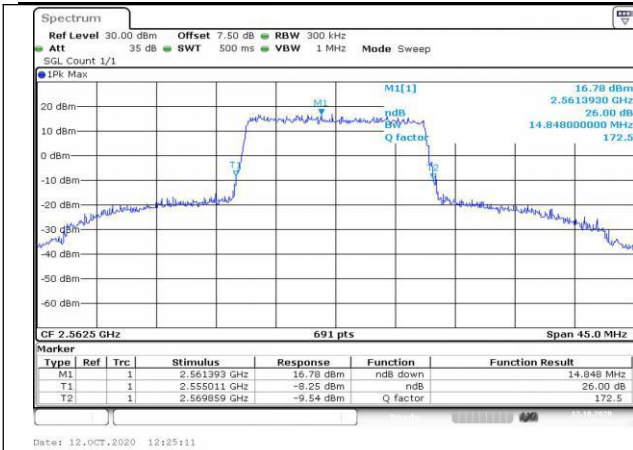


Fig.25

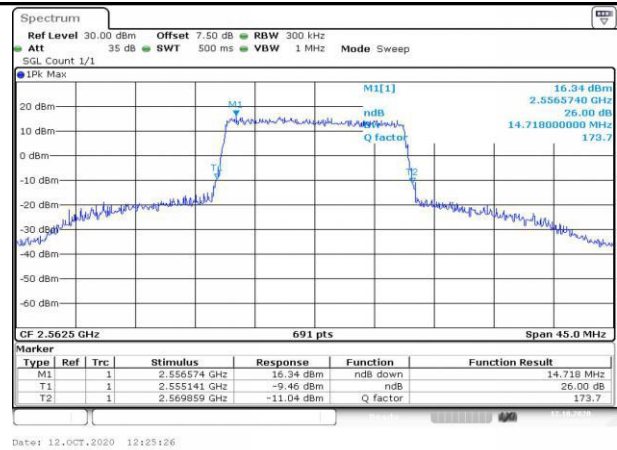


Fig.26

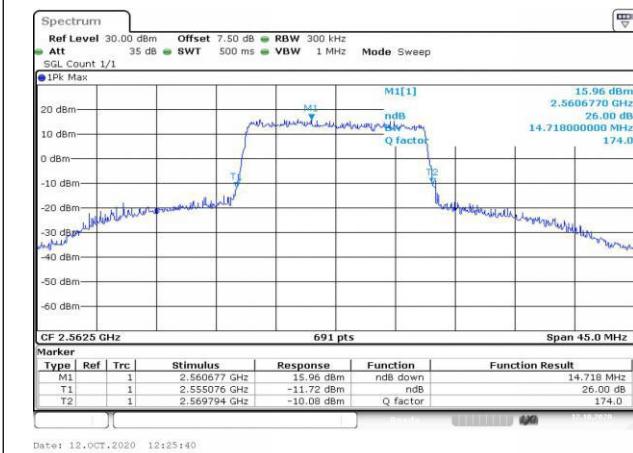


Fig.27

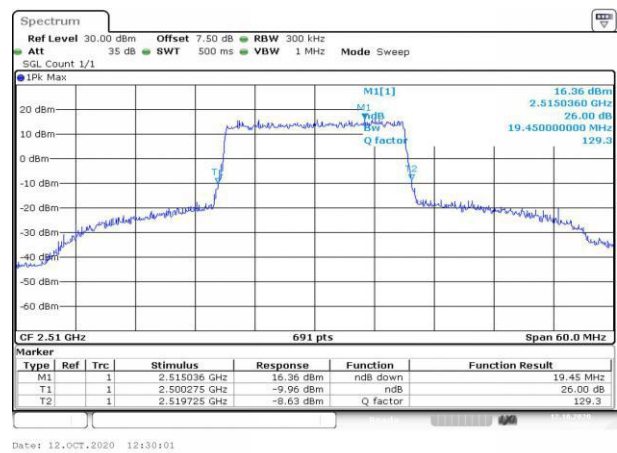


Fig.28

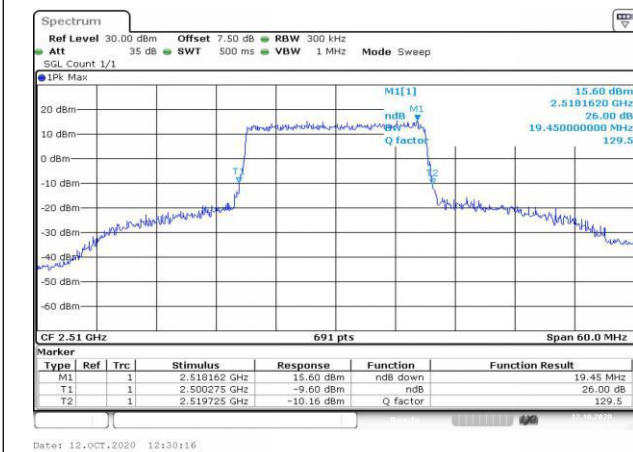


Fig.29

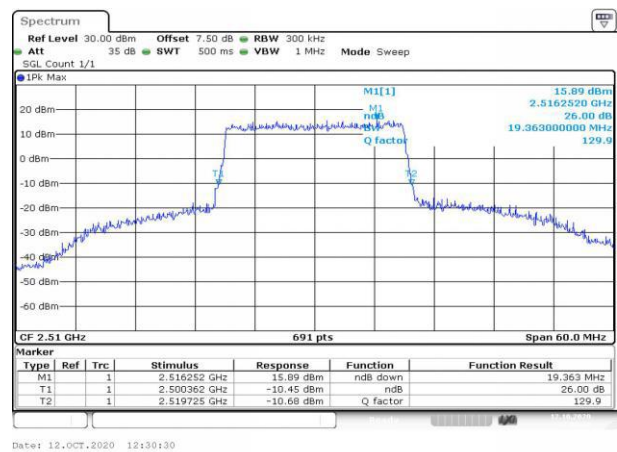


Fig.30

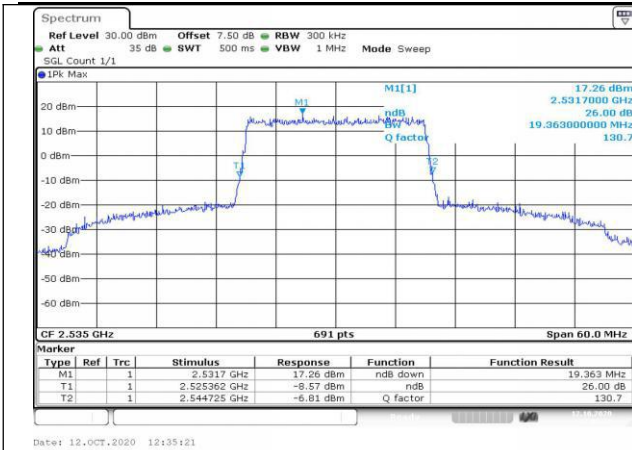


Fig.31

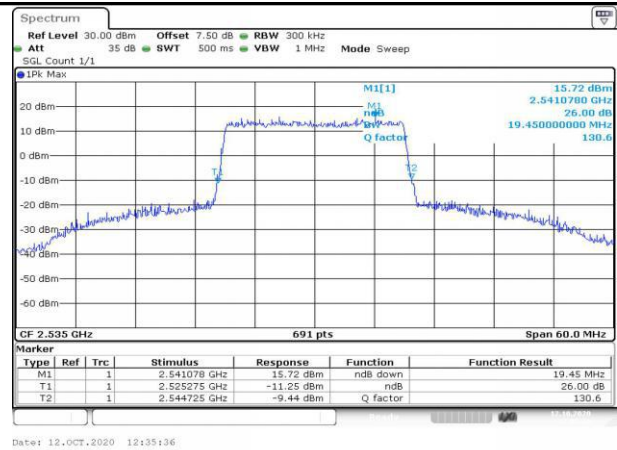


Fig.32

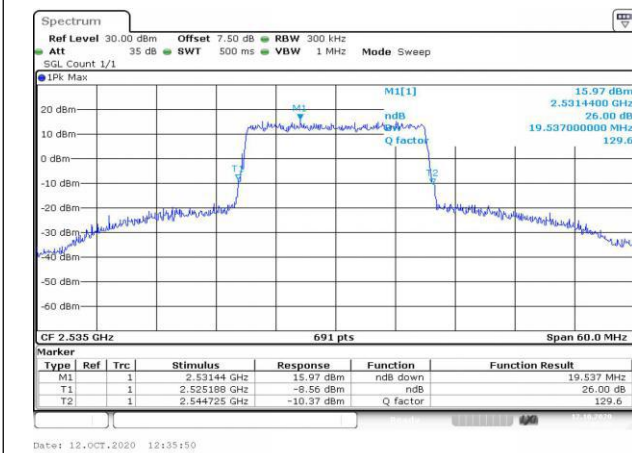


Fig.33

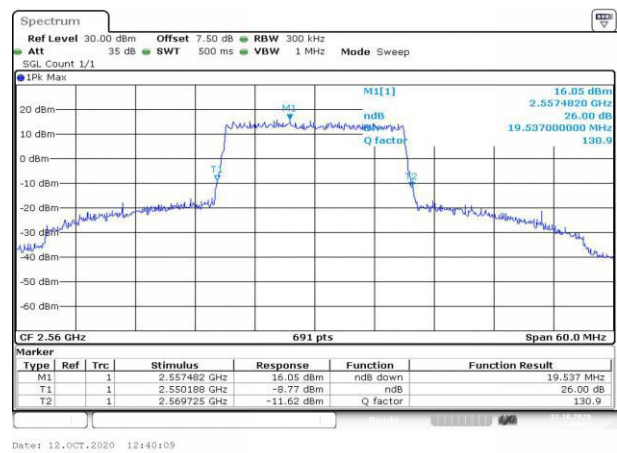


Fig.34

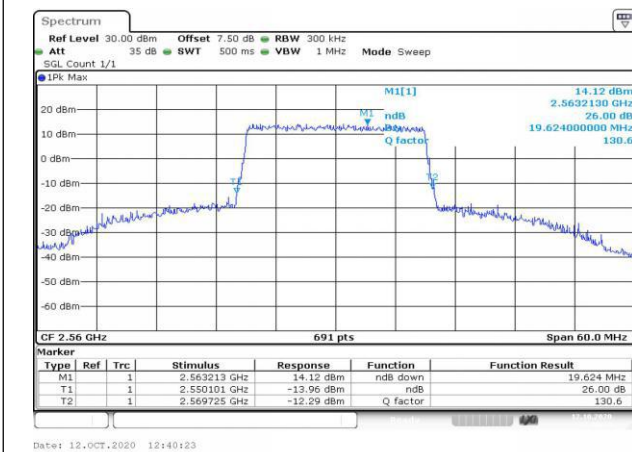


Fig.35

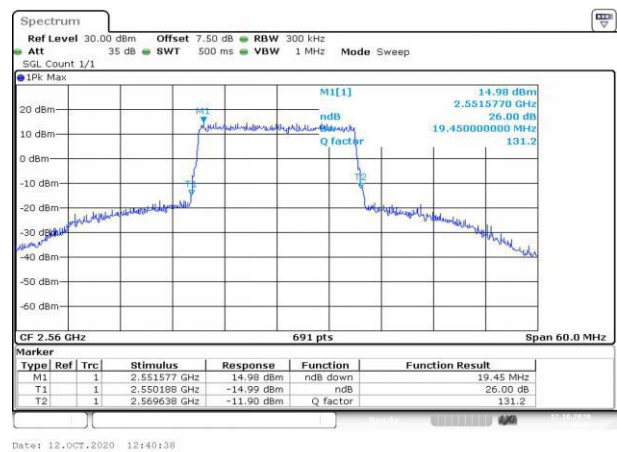


Fig.36

Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
7	2502.5	20775	5	1	24	Fig.1	Fig.2	Fig.3
	2502.5	20775	5	25	0	Fig.4	Fig.5	Fig.6
	2535	21100	5	1	24	Fig.7	Fig.8	Fig.9
	2535	21100	5	25	0	Fig.10	Fig.11	Fig.12
	2567.5	21425	5	1	24	Fig.13	Fig.14	Fig.15
	2567.5	21425	5	25	0	Fig.16	Fig.17	Fig.18
	2505	20800	10	1	49	Fig.19	Fig.20	Fig.21
	2505	20800	10	50	0	Fig.22	Fig.23	Fig.24
	2535	21100	10	1	49	Fig.25	Fig.26	Fig.27
	2535	21100	10	50	0	Fig.28	Fig.29	Fig.30
	2565	21400	10	1	49	Fig.31	Fig.32	Fig.33
	2565	21400	10	50	0	Fig.34	Fig.35	Fig.36
	2507.5	20825	15	1	74	Fig.37	Fig.38	Fig.39
	2507.5	20825	15	75	0	Fig.40	Fig.41	Fig.42
	2535	21100	15	1	74	Fig.43	Fig.44	Fig.45
	2535	21100	15	75	0	Fig.46	Fig.47	Fig.48
	2562.5	21375	15	1	74	Fig.49	Fig.50	Fig.51
	2562.5	21375	15	75	0	Fig.52	Fig.53	Fig.54
	2510	20850	20	1	99	Fig.55	Fig.56	Fig.57
	2510	20850	20	100	0	Fig.58	Fig.59	Fig.60
	2535	21100	20	1	99	Fig.61	Fig.62	Fig.63
	2535	21100	20	100	0	Fig.64	Fig.65	Fig.66
	2560	21350	20	1	99	Fig.67	Fig.68	Fig.69
	2560	21350	20	100	0	Fig.70	Fig.71	Fig.72



Fig.1

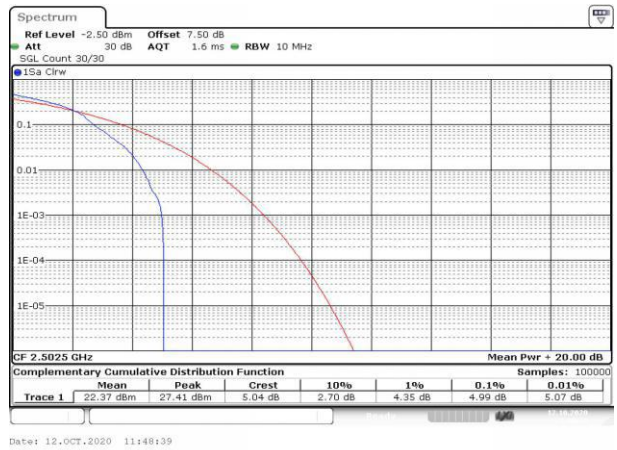


Fig.2

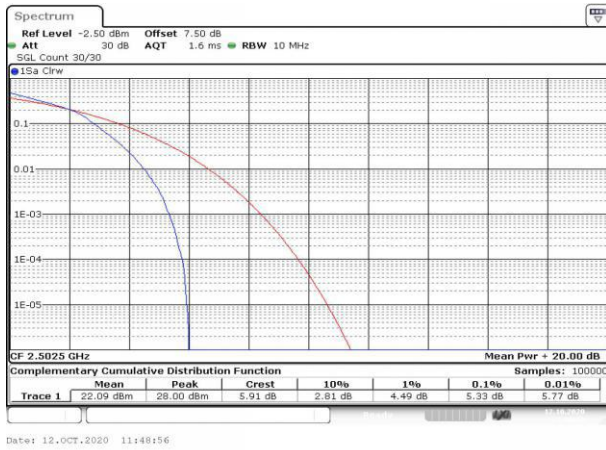


Fig.3

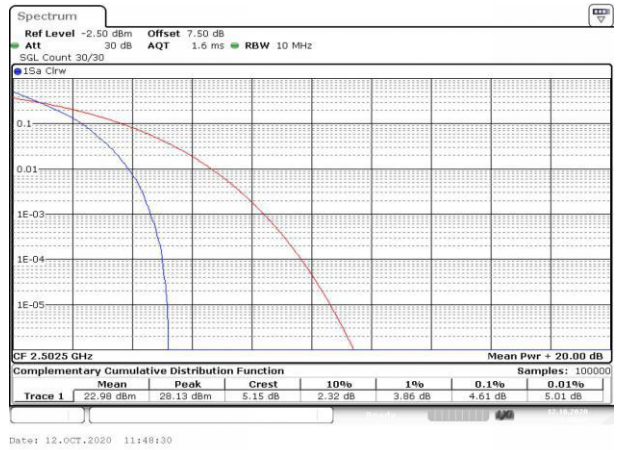


Fig.4

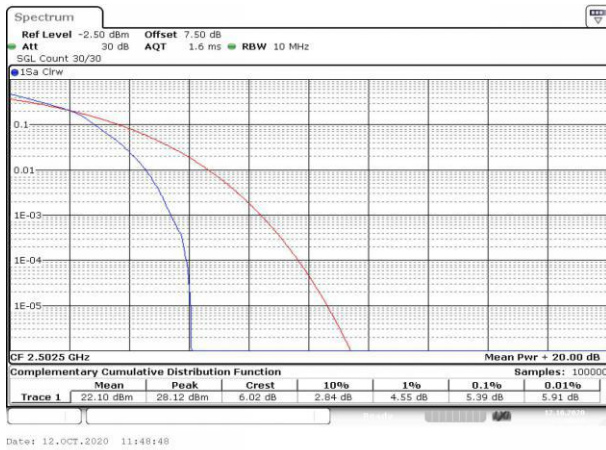


Fig.5

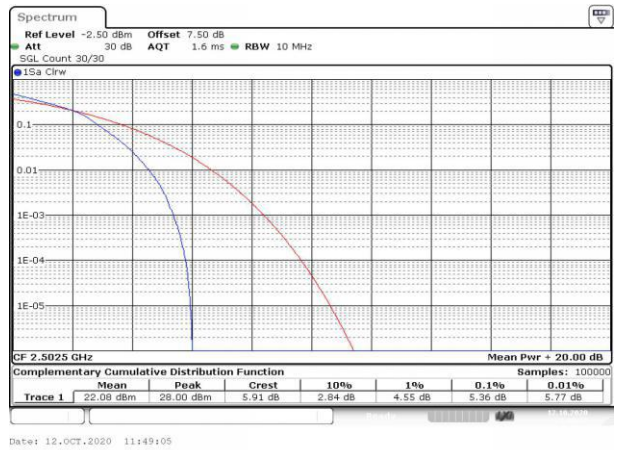


Fig.6

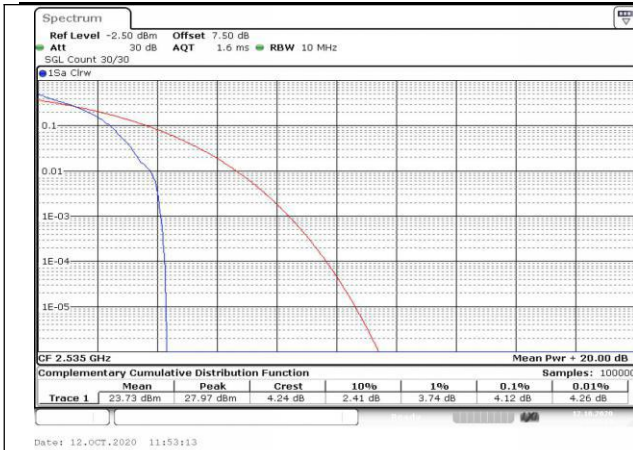


Fig.7

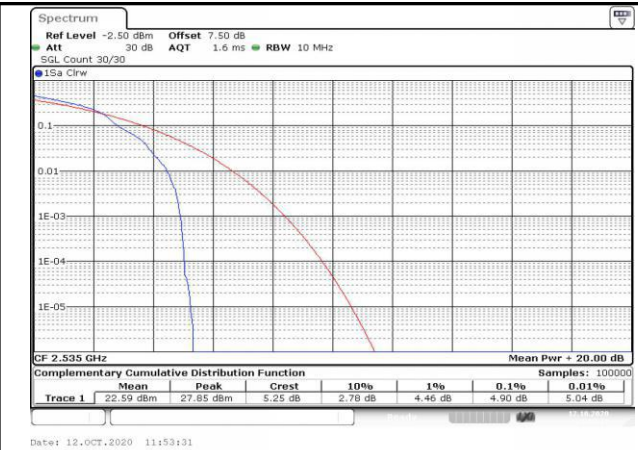


Fig.8

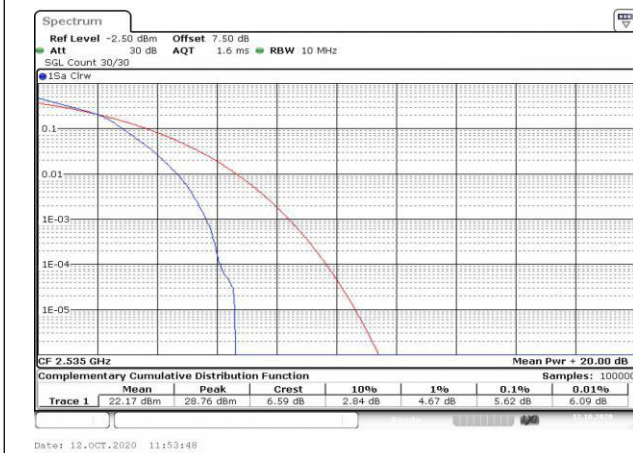


Fig.9

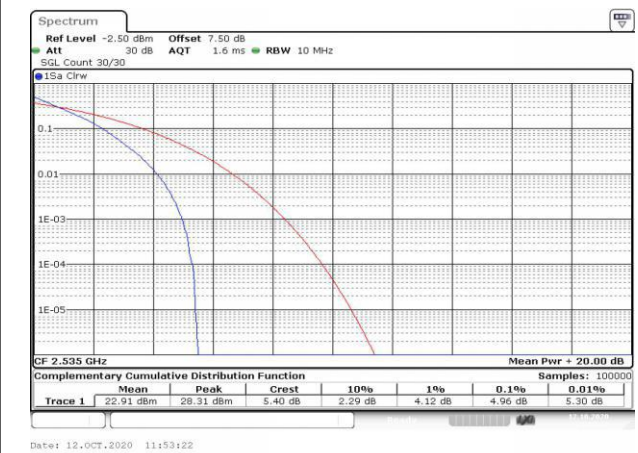


Fig.10

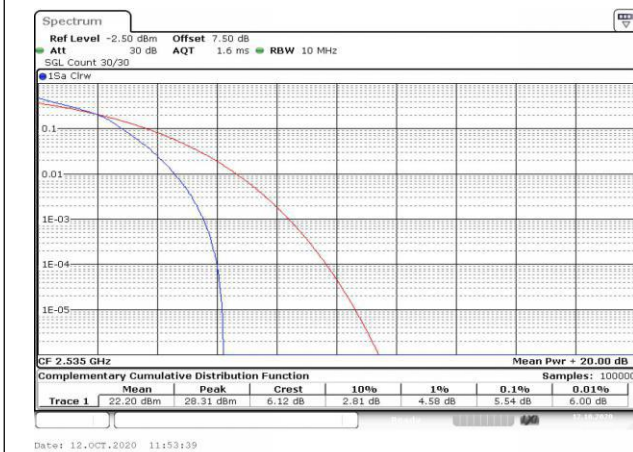


Fig.11

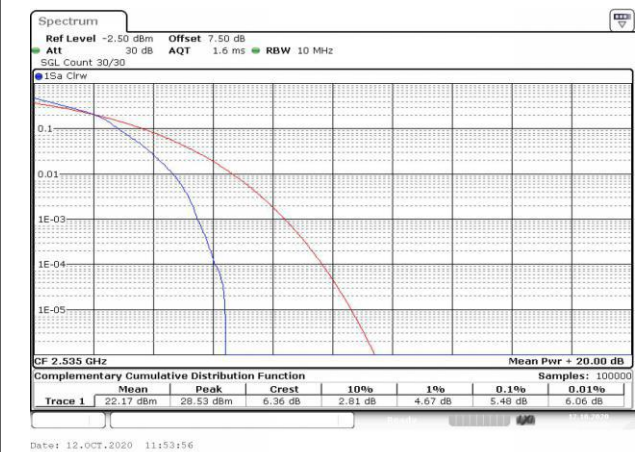


Fig.12



Fig.13

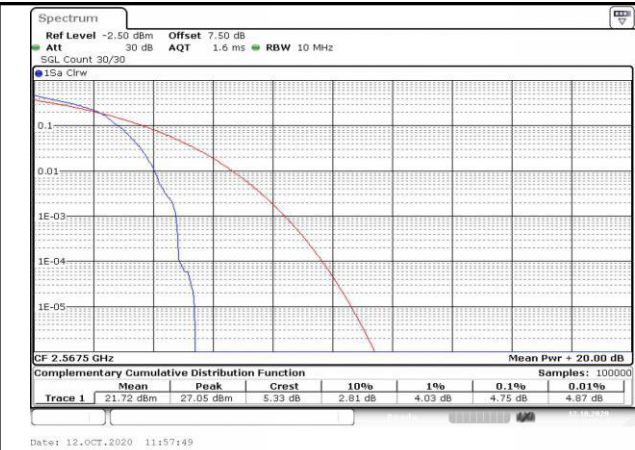


Fig.14

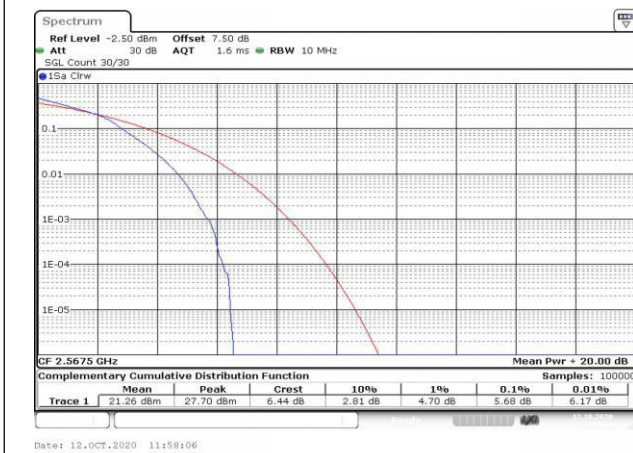


Fig.15

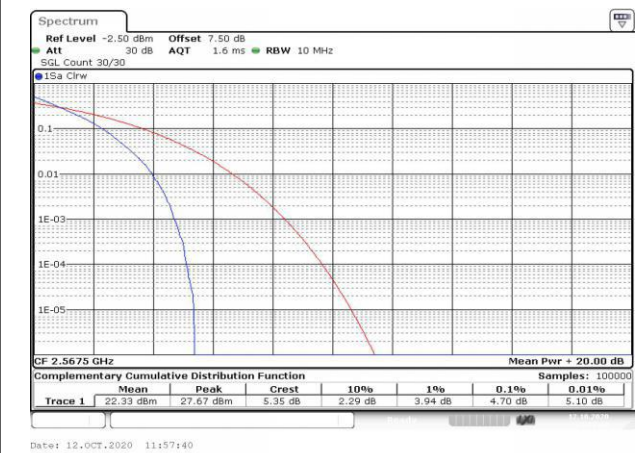


Fig.16

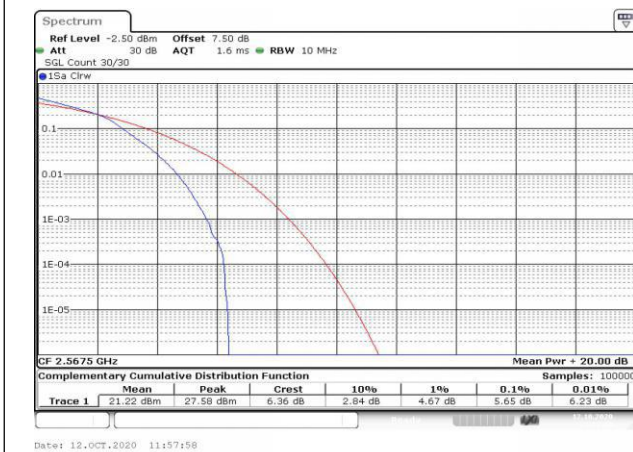


Fig.17

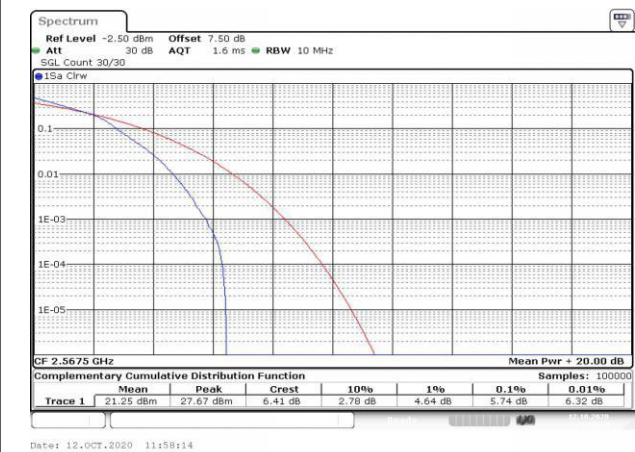


Fig.18