

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 7

1 RF Power Output

Rx Power Output						
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2502.5	20775	5	1	0	21.81
				1	12	22.16
				1	24	21.08
				12	0	20.61
				12	7	20.57
				12	13	20.43
				25	0	20.37
	2535	21100		1	0	20.83
				1	12	20.88
				1	24	20.90
				12	0	19.87
				12	7	19.88
				12	13	19.82
				25	0	19.87
	2567.5	21425		1	0	20.97
				1	12	20.86
				1	24	20.72
				12	0	19.74
				12	7	19.74
				12	13	19.65
				25	0	19.65
16QAM	2502.5	20775		1	0	19.87
				1	12	19.88
				1	24	19.85
				12	0	19.40
				12	7	19.35
				12	13	19.36
				25	0	19.19
	2535	21100		1	0	19.62
				1	12	19.50
				1	24	19.28
				12	0	18.19
				12	7	18.20
				12	13	18.41
				25	0	18.59
	2567.5	21425		1	0	19.43
				1	12	19.31
				1	24	19.13
				12	0	18.33
				12	7	18.37
				12	13	18.49
				25	0	18.54

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2502.5	20775	5	1	0	21.02
				1	12	21.14
				1	24	20.86
				12	0	19.12
				12	7	19.07
				12	13	19.07
				25	0	19.12
	2535	21100		1	0	19.64
				1	12	20.83
				1	24	20.79
				12	0	19.19
				12	7	19.22
				12	13	19.14
				25	0	19.25
	2567.5	21425		1	0	19.56
				1	12	20.29
				1	24	20.01
				12	0	18.58
				12	7	18.59
				12	13	18.61
				25	0	18.64

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2505	20800	10	1	0	21.20	
				1	25	20.44	
				1	49	21.01	
				25	0	19.45	
				25	12	19.52	
				25	25	19.49	
				50	0	19.43	
	2535	21100		1	0	20.93	
				1	25	21.15	
				1	49	20.85	
				25	0	19.66	
				25	12	19.66	
				25	25	19.55	
				50	0	19.65	
	2565	21400		1	0	20.87	
				1	25	20.99	
				1	49	21.51	
				25	0	19.87	
				25	12	19.93	
				25	25	19.86	
				50	0	19.82	
	16QAM	2505		20800	1	0	20.17
					1	25	20.47
					1	49	19.60
25					0	18.33	
25					12	18.27	
25					25	18.33	
50					0	18.29	
2535		21100		1	0	19.93	
				1	25	19.78	
			1	49	19.50		
			25	0	18.53		
			25	12	18.51		
			25	25	18.57		
			50	0	18.40		
2565		21400	1	0	19.55		
			1	25	20.02		
			1	49	19.60		
			25	0	18.64		
			25	12	18.85		
			25	25	18.66		
			50	0	18.55		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2505	20800	10	1	0	20.06
				1	25	20.07
				1	49	19.96
				25	0	18.20
				25	12	18.43
				25	25	18.34
				50	0	18.21
	2535	21100		1	0	19.89
				1	25	20.41
				1	49	19.99
				25	0	18.71
				25	12	18.89
				25	25	18.76
				50	0	18.68
	2565	21400		1	0	20.23
				1	25	19.97
				1	49	20.52
				25	0	18.88
				25	12	18.83
				25	25	18.73
				50	0	18.62

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2507.5	20825	15	1	0	21.26
				1	37	20.91
				1	74	20.83
				36	0	19.71
				36	29	19.67
				36	30	19.57
				75	0	19.59
	2535	21100		1	0	20.90
				1	37	20.76
				1	74	20.29
				36	0	19.37
				36	29	19.37
				36	30	19.38
				75	0	19.27
	2562.5	21375		1	0	19.81
				1	37	20.42
				1	74	20.06
				36	0	19.24
				36	29	19.13
				36	30	19.10
				75	0	19.10
16QAM	2507.5	20825	1	0	20.44	
			1	37	20.18	
			1	74	20.03	
			36	0	18.15	
			36	29	18.46	
			36	30	18.35	
			75	0	18.30	
	2535	21100	1	0	20.31	
			1	37	20.37	
			1	74	19.84	
			36	0	18.22	
			36	29	18.46	
			36	30	18.30	
			75	0	18.35	
	2562.5	21375	1	0	20.17	
			1	37	19.73	
			1	74	19.32	
			36	0	18.05	
			36	29	18.04	
			36	30	18.02	
			75	0	18.21	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2507.5	20825	15	1	0	19.98
				1	37	19.74
				1	74	19.63
				36	0	18.24
				36	29	18.43
				36	30	18.23
				75	0	18.27
	2535	21100		1	0	18.99
				1	37	20.29
				1	74	20.05
				36	0	18.68
				36	29	18.50
				36	30	18.33
				75	0	18.29
	2562.5	21375		1	0	19.59
				1	37	19.92
				1	74	18.63
				36	0	18.32
				36	29	18.20
				36	30	18.18
				75	0	18.08

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	21.64
				1	49	21.64
				1	99	21.20
				50	0	20.49
				50	24	20.40
				50	50	20.33
				100	0	20.37
	2535	21100		1	0	21.60
				1	49	22.02
				1	99	21.08
				50	0	20.55
				50	24	20.58
				50	50	20.37
				100	0	20.33
	2560	21350		1	0	20.61
				1	49	20.81
				1	99	20.39
				50	0	19.71
				50	24	19.64
				50	50	19.54
				100	0	19.57
16QAM	2510	20850		1	0	20.43
				1	49	20.50
				1	99	19.64
				50	0	19.20
				50	24	19.11
				50	50	18.93
				100	0	19.02
	2535	21100	1	0	20.52	
			1	49	20.45	
			1	99	20.25	
			50	0	19.16	
			50	24	19.19	
			50	50	19.05	
			100	0	19.00	
	2560	21350	1	0	20.03	
			1	49	20.26	
			1	99	19.78	
			50	0	18.48	
			50	24	18.22	
			50	50	18.16	
			100	0	18.32	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2510	20850	20	1	0	20.16
				1	49	20.24
				1	99	19.91
				50	0	19.96
				50	24	19.04
				50	50	20.31
				100	0	19.47
	2535	21100		1	0	20.01
				1	49	20.28
				1	99	20.13
				50	0	19.10
				50	24	19.09
				50	50	18.95
				100	0	18.72
	2560	21350		1	0	20.17
				1	49	20.22
				1	99	19.57
				50	0	18.68
				50	24	18.60
				50	50	18.39
				100	0	19.84

2 Occupied Bandwidth

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	4.472	Fig.1	4.472	Fig.2	4.472	Fig.3
	2535	21100		25	0	4.493	Fig.4	4.472	Fig.5	4.472	Fig.6
	2567.5	21425		25	0	4.472	Fig.7	4.472	Fig.8	4.472	Fig.9
	2505	20800	10	50	0	8.944	Fig.10	8.944	Fig.11	8.944	Fig.12
	2535	21100		50	0	8.944	Fig.13	8.900	Fig.14	8.944	Fig.15
	2565	21400		50	0	8.944	Fig.16	8.944	Fig.17	8.944	Fig.18
	2507.5	20825	15	75	0	13.415	Fig.19	13.415	Fig.20	13.415	Fig.21
	2535	21100		75	0	13.415	Fig.22	13.415	Fig.23	13.415	Fig.24
	2562.5	21375		75	0	13.415	Fig.25	13.415	Fig.26	13.415	Fig.27
	2510	20850	20	100	0	17.800	Fig.28	17.800	Fig.29	17.800	Fig.30
	2535	21100		100	0	17.887	Fig.31	17.887	Fig.32	17.800	Fig.33
	2560	21350		100	0	17.800	Fig.34	17.800	Fig.35	17.800	Fig.36

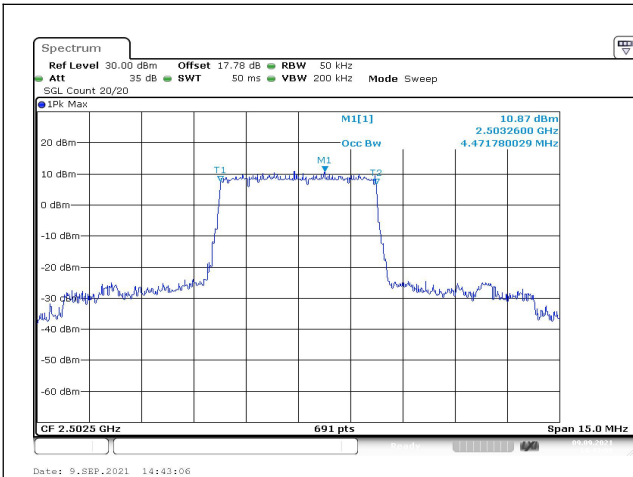


Fig.1

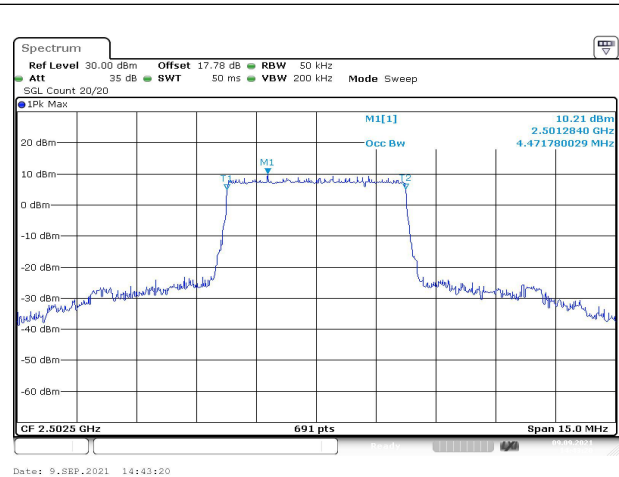


Fig.2

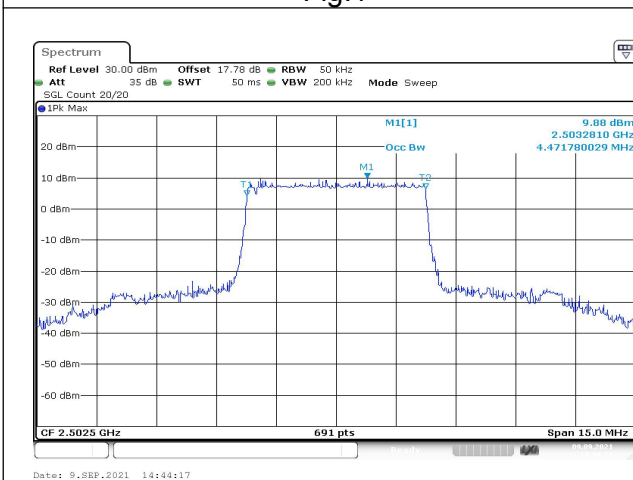


Fig.3

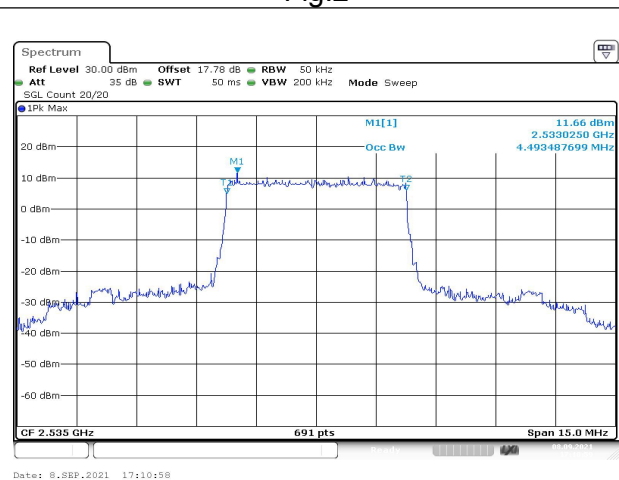


Fig.4

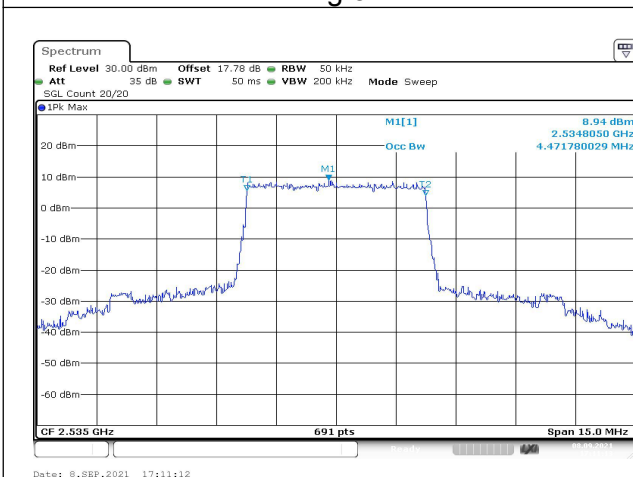


Fig.5

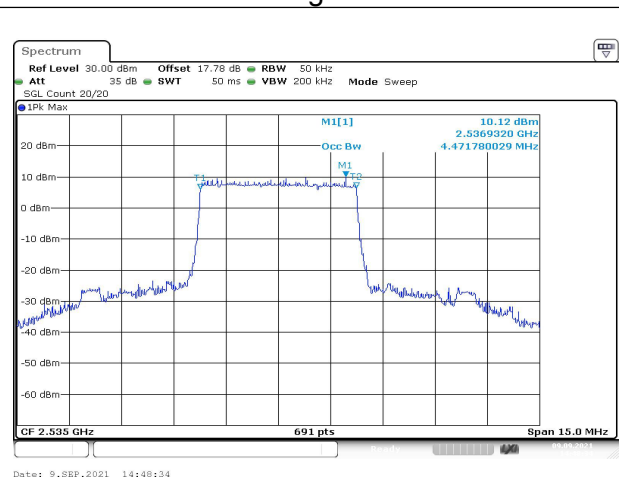


Fig.6

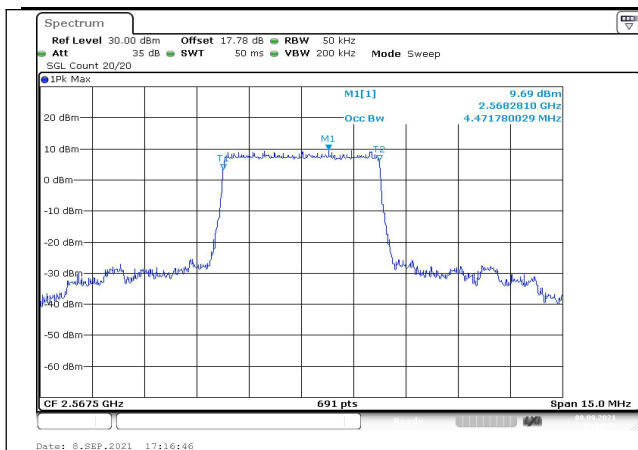


Fig.7

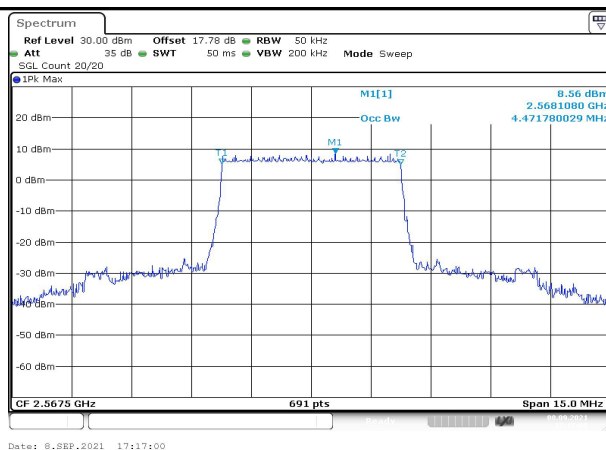


Fig.8

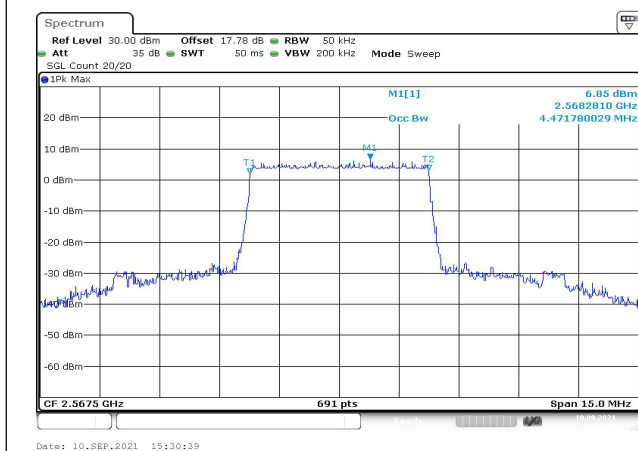


Fig.9

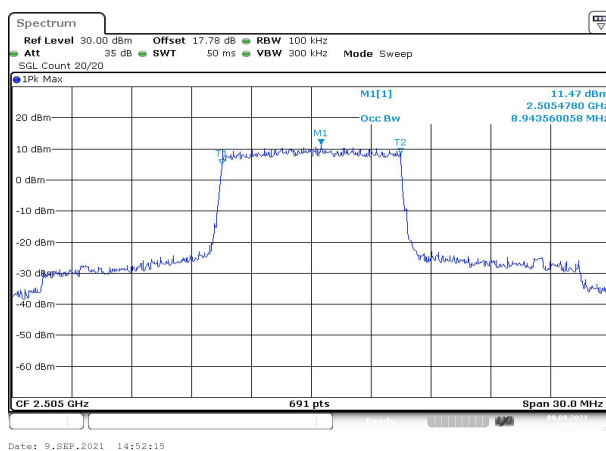


Fig.10

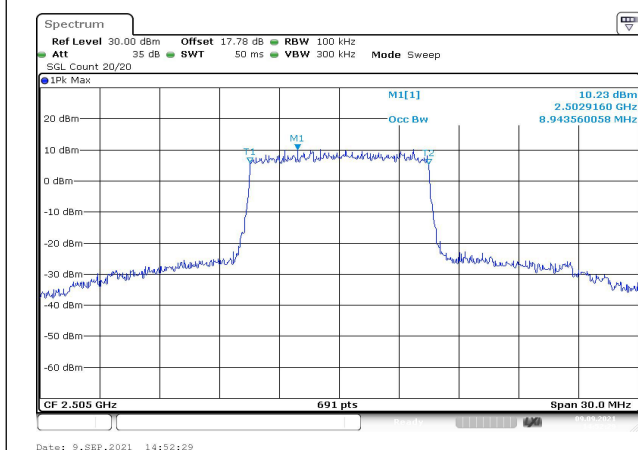


Fig.11

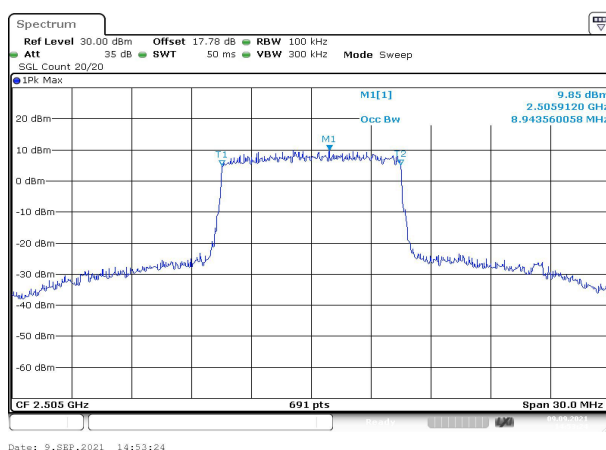


Fig.12

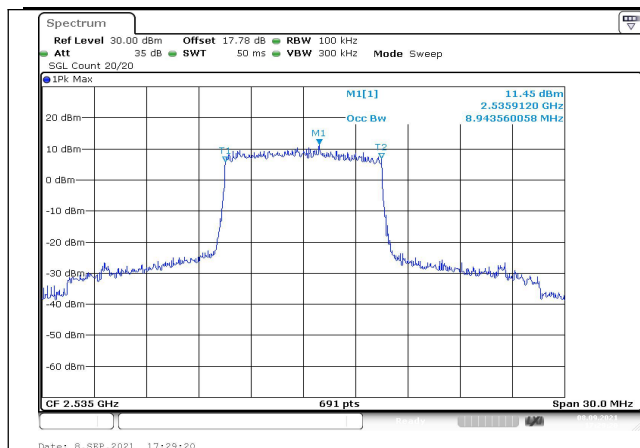


Fig.13

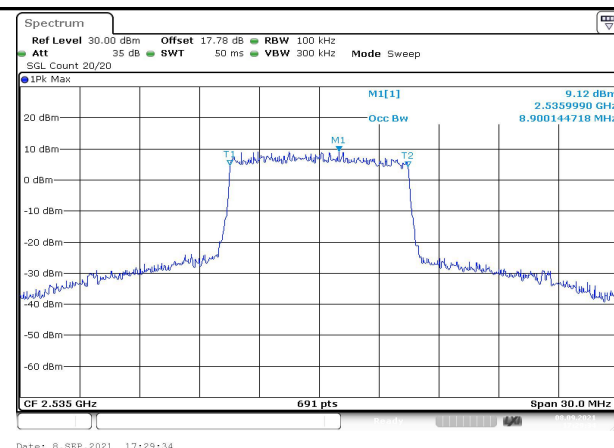


Fig.14

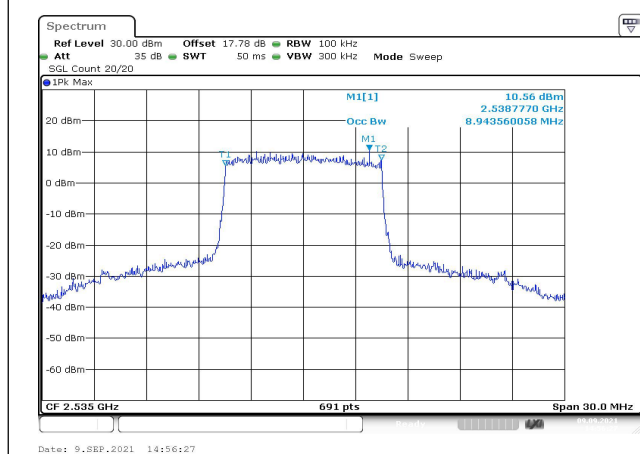


Fig.15

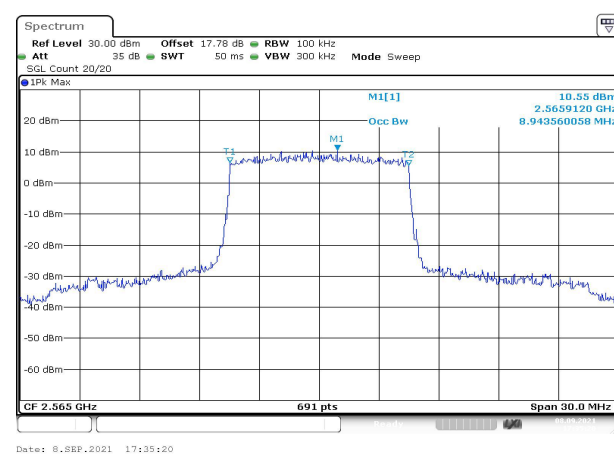


Fig.16

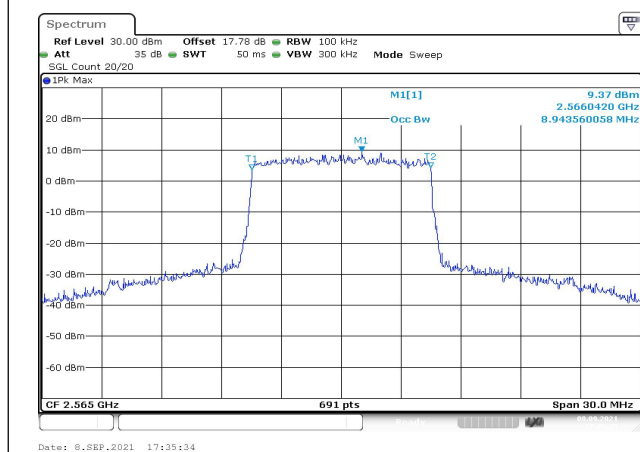


Fig.17

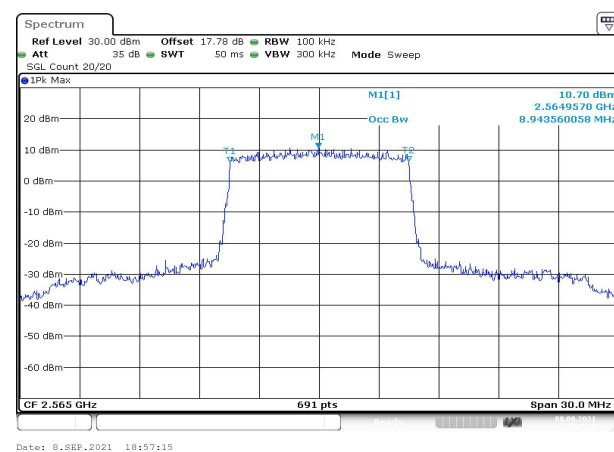
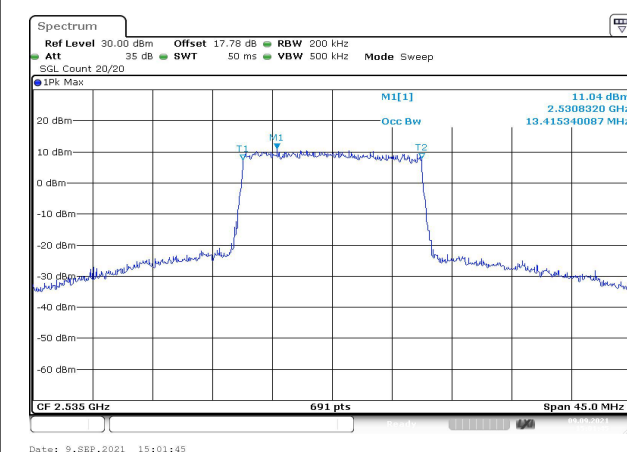
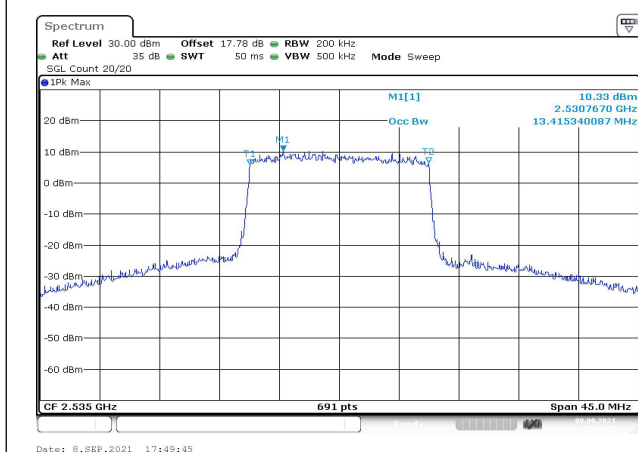
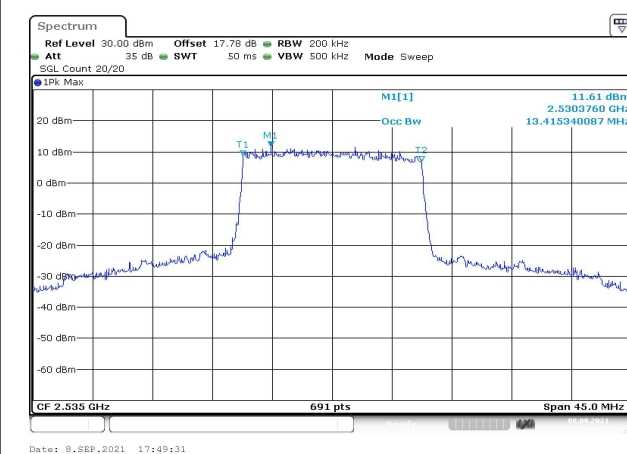
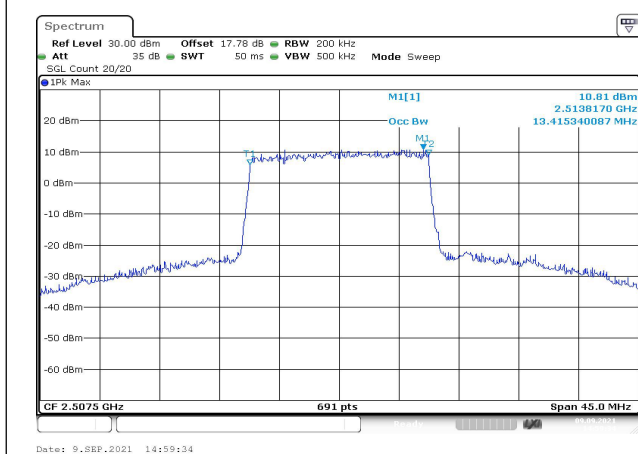
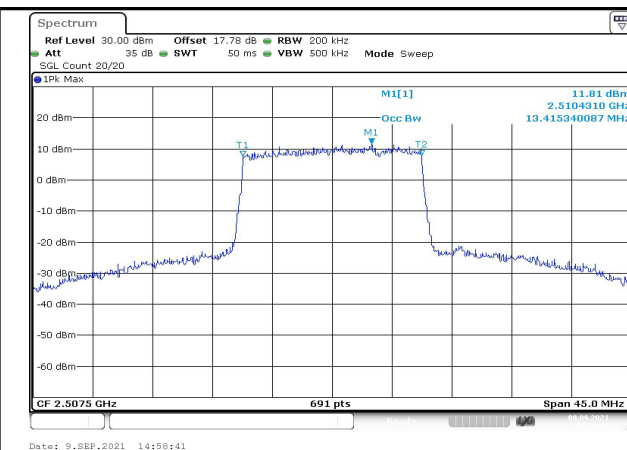
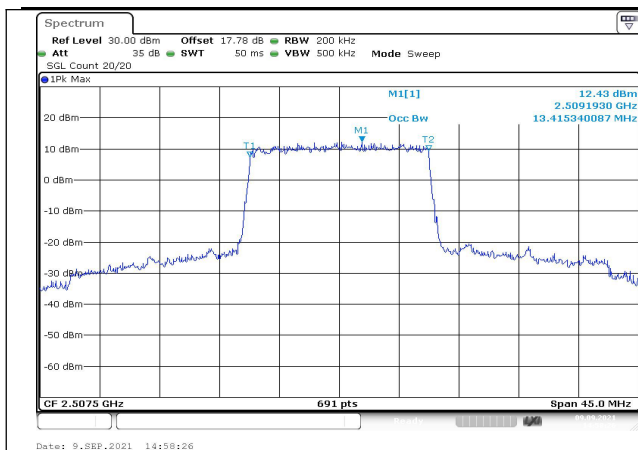


Fig.18



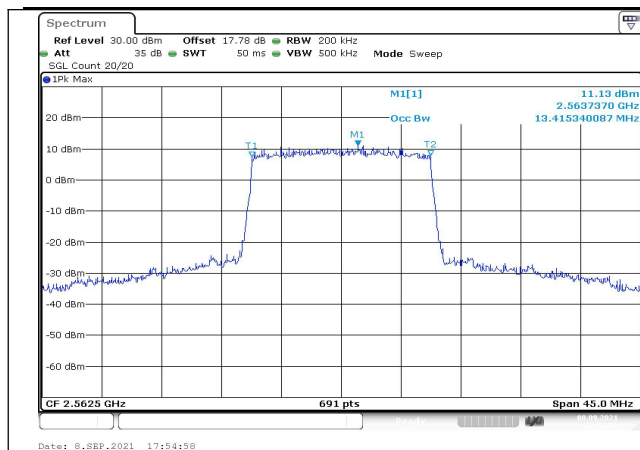


Fig.25

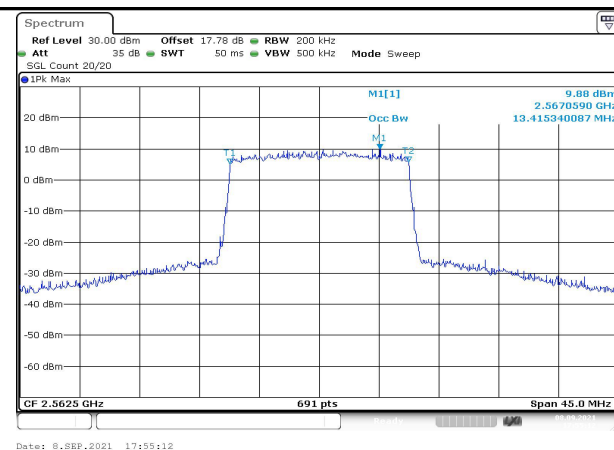


Fig.26

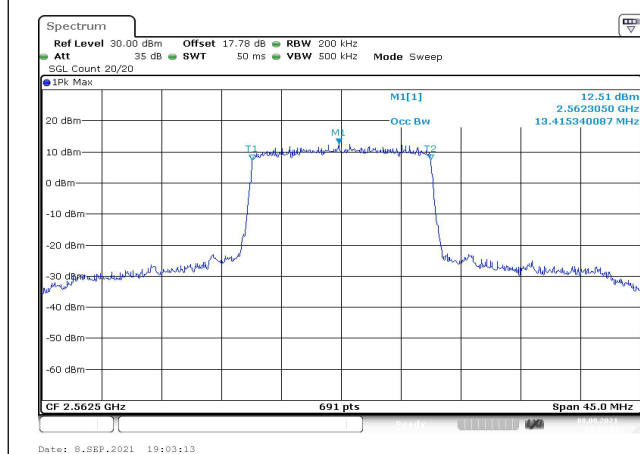


Fig.27

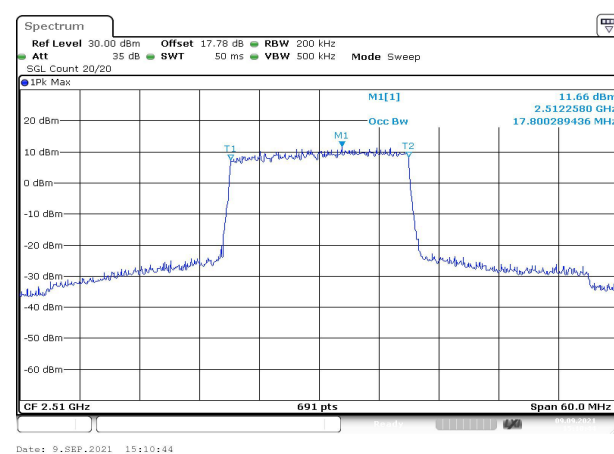


Fig.28

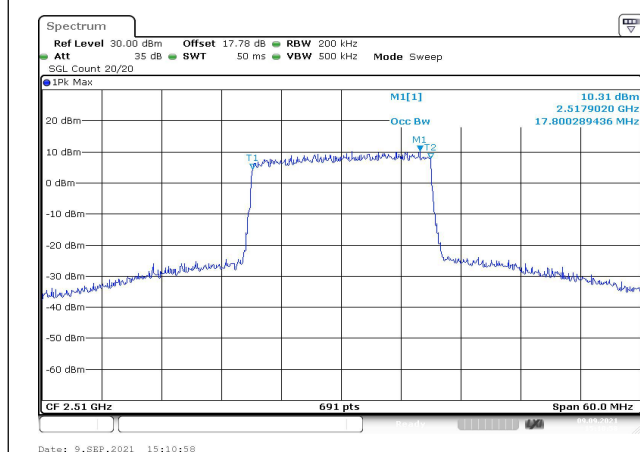


Fig.29

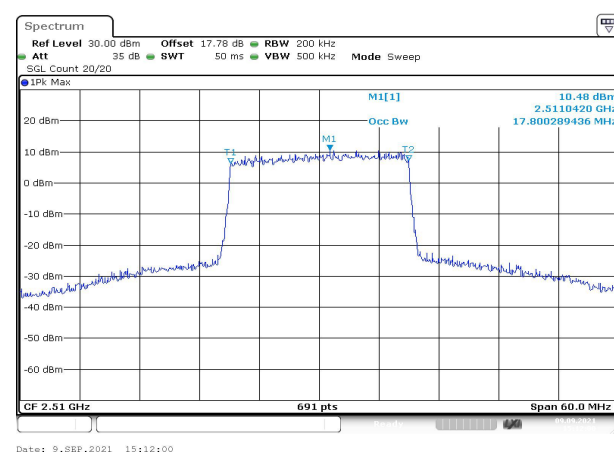


Fig.30