

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	21.94
				1	12	21.88
				1	24	21.82
				12	0	20.93
				12	7	20.90
				12	13	20.88
	25	0		20.78		
	2535	21100		1	0	21.99
				1	12	22.06
				1	24	22.04
				12	0	21.07
				12	7	21.07
				12	13	21.07
	25	0		21.05		
	2567.5	21425		1	0	21.88
				1	12	21.86
				1	24	21.87
				12	0	20.89
12			7	20.86		
12			13	20.83		
25	0	20.77				
16QAM	2502.5	20775	1	0	20.89	
			1	12	20.82	
			1	24	20.85	
			12	0	19.52	
			12	7	19.59	
			12	13	19.62	
	25	0	19.65			
	2535	21100	1	0	20.95	
			1	12	21.06	
			1	24	21.05	
			12	0	19.95	
			12	7	19.98	
			12	13	19.97	
	25	0	20.06			
	2567.5	21425	1	0	20.83	
			1	12	20.80	
			1	24	20.77	
			12	0	19.76	
12			7	19.80		
12			13	19.84		
25	0	19.73				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2502.5	20775	5	1	0	19.96
				1	12	19.96
				1	24	19.90
				12	0	19.98
				12	7	19.90
				12	13	19.94
	25	0		19.94		
	2535	21100		1	0	20.05
				1	12	20.06
				1	24	20.03
				12	0	20.04
				12	7	20.05
				12	13	20.04
	25	0		20.02		
	2567.5	21425		1	0	19.81
				1	12	19.73
				1	24	19.47
				12	0	18.77
12			7	18.69		
12			13	18.71		
25	0	18.68				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2505	20800	10	1	0	21.89
				1	25	21.81
				1	49	21.71
				25	0	20.88
				25	12	20.82
				25	25	20.82
	2535	21100		50	0	20.71
				1	0	21.89
				1	25	22.00
				1	49	21.96
				25	0	20.97
				25	12	20.96
	2565	21400		25	25	20.98
				50	0	20.99
				1	0	21.79
				1	25	21.78
				1	49	21.80
				25	0	20.83
16QAM	2505	20800	25	12	20.78	
			25	25	19.42	
			50	0	19.49	
			25	25	19.57	
			50	0	19.59	
			1	0	20.90	
	2535	21100	1	25	21.01	
			1	49	21.00	
			25	0	19.84	
			25	12	19.92	
			25	25	19.92	
			50	0	20.00	
	2565	21400	1	0	20.75	
			1	25	20.71	
			1	49	20.69	
			25	0	19.71	
			25	12	19.71	
			25	25	19.76	
			50	0	19.67	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2505	20800	10	1	0	19.90
				1	25	19.87
				1	49	19.79
				25	0	19.19
				25	12	19.08
				25	25	19.11
				50	0	19.13
	2535	21100		1	0	19.94
				1	25	19.99
				1	49	19.92
				25	0	19.93
				25	12	19.16
				25	25	19.17
				50	0	19.14
	2565	21400		1	0	19.16
				1	25	19.66
				1	49	19.37
				25	0	19.07
				25	12	19.03
				25	25	19.03
				50	0	19.09

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2507.5	20825	15	1	0	22.02
				1	37	21.96
				1	74	21.85
				36	0	20.97
				36	29	20.97
				36	30	20.91
				75	0	20.82
	2535	21100		1	0	22.02
				1	37	22.10
				1	74	22.09
				36	0	21.10
				36	29	21.11
				36	30	21.12
				75	0	21.11
	2562.5	21375		1	0	21.91
				1	37	21.90
				1	74	21.94
				36	0	20.92
				36	29	20.93
				36	30	20.87
				75	0	20.84
16QAM	2507.5	20825	1	0	20.93	
			1	37	20.88	
			1	74	20.90	
			36	0	19.56	
			36	29	19.64	
			36	30	19.68	
			75	0	19.72	
	2535	21100	1	0	21.02	
			1	37	21.09	
			1	74	21.11	
			36	0	20.00	
			36	29	20.06	
			36	30	20.02	
			75	0	20.13	
	2562.5	21375	1	0	20.90	
			1	37	20.87	
			1	74	20.80	
			36	0	19.81	
			36	29	19.84	
			36	30	19.89	
			75	0	19.79	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2507.5	20825	15	1	0	20.04
				1	37	20.04
				1	74	19.96
				36	0	19.02
				36	29	19.08
				36	30	19.01
				75	0	19.05
	2535	21100		1	0	20.11
				1	37	20.10
				1	74	20.09
				36	0	19.09
				36	29	19.11
				36	30	19.10
				75	0	19.07
	2562.5	21375		1	0	19.87
				1	37	19.81
				1	74	19.51
				36	0	19.03
				36	29	19.02
				36	30	19.05
				75	0	19.04

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2510	20850	20	1	0	22.09
				1	49	22.01
				1	99	21.97
				50	0	21.05
				50	24	21.05
				50	50	21.03
				100	0	20.90
	2535	21100		1	0	22.12
				1	49	22.17
				1	99	22.17
				50	0	21.19
				50	24	21.21
				50	50	21.20
				100	0	21.17
	2560	21350		1	0	22.00
				1	49	22.01
				1	99	21.98
				50	0	21.02
				50	24	20.98
				50	50	20.97
				100	0	20.91
16QAM	2510	20850	1	0	21.00	
			1	49	20.95	
			1	99	20.97	
			50	0	19.66	
			50	24	19.71	
			50	50	19.75	
			100	0	19.77	
	2535	21100	1	0	21.08	
			1	49	21.20	
			1	99	21.16	
			50	0	20.09	
			50	24	20.09	
			50	50	20.08	
			100	0	20.18	
	2560	21350	1	0	20.94	
			1	49	20.93	
			1	99	20.88	
			50	0	19.87	
			50	24	19.93	
			50	50	19.97	
			100	0	19.84	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2510	20850	20	1	0	20.09
				1	49	20.11
				1	99	20.04
				50	0	19.10
				50	24	19.05
				50	50	19.06
	2535	21100		100	0	19.06
				1	0	20.20
				1	49	20.18
				1	99	20.15
				50	0	19.16
				50	24	19.18
	2560	21350		50	50	19.18
				100	0	19.16
				1	0	19.94
				1	49	19.85
				1	99	19.60
				50	0	19.01
			50	24	19.00	
			50	50	19.06	
			100	0	19.09	

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	4.472	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	8.944	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	13.350	Fig.24
	2562.5	21375		75	0	13.415	Fig.25	13.415	Fig.26	13.415	Fig.27
	2510	20850	20	100	0	17.974	Fig.28	17.887	Fig.29	17.887	Fig.30
	2535	21100		100	0	17.887	Fig.31	17.800	Fig.32	17.887	Fig.33
	2560	21350		100	0	17.887	Fig.34	17.887	Fig.35	17.887	Fig.36

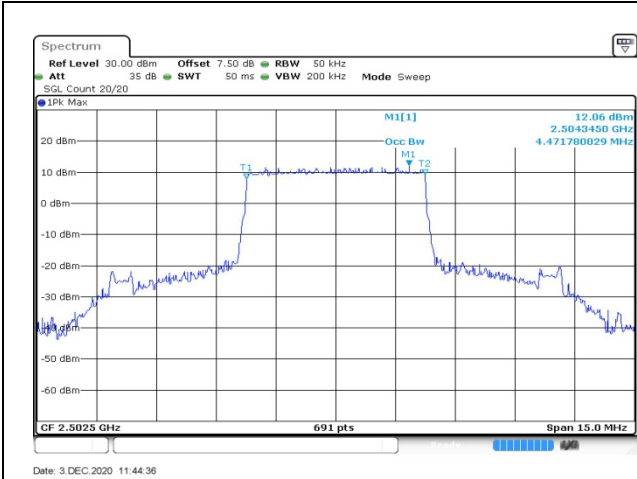


Fig.1

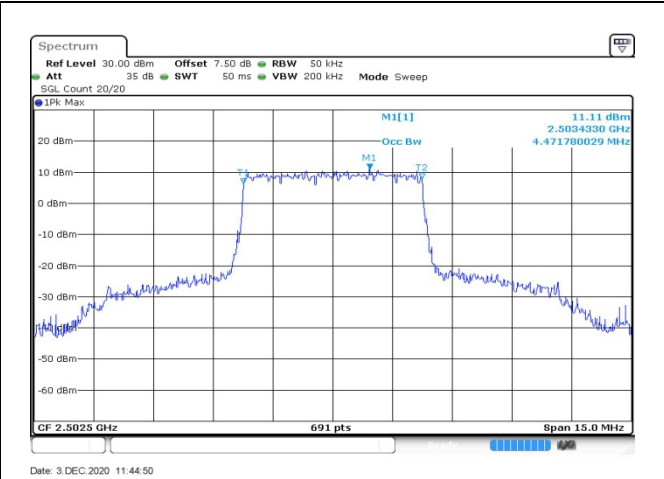


Fig.2

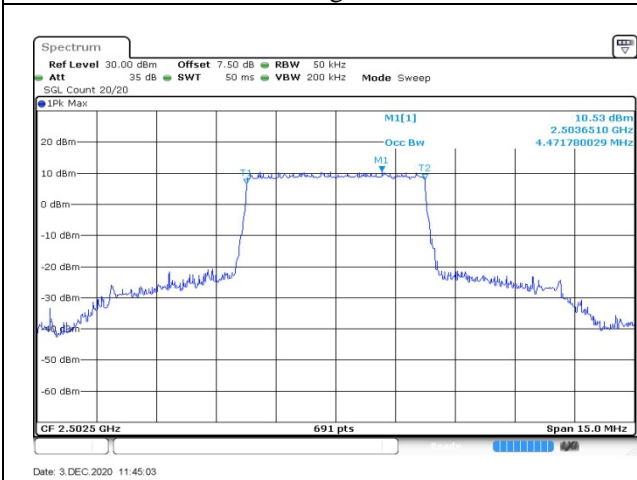


Fig.3

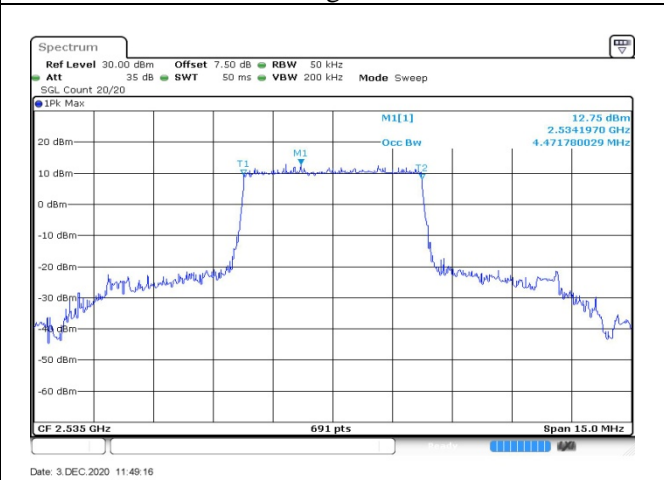


Fig.4

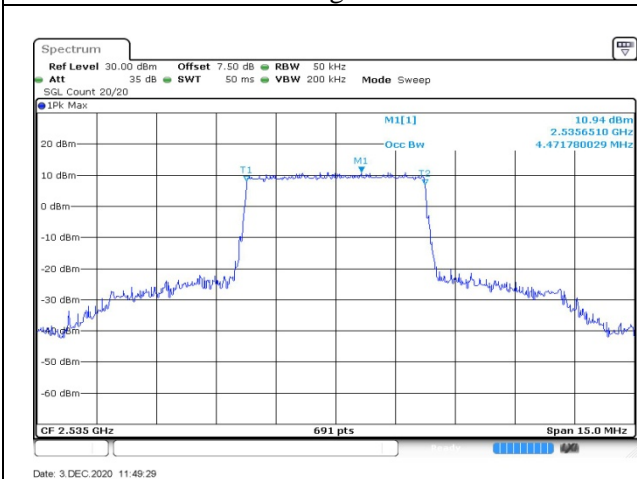


Fig.5

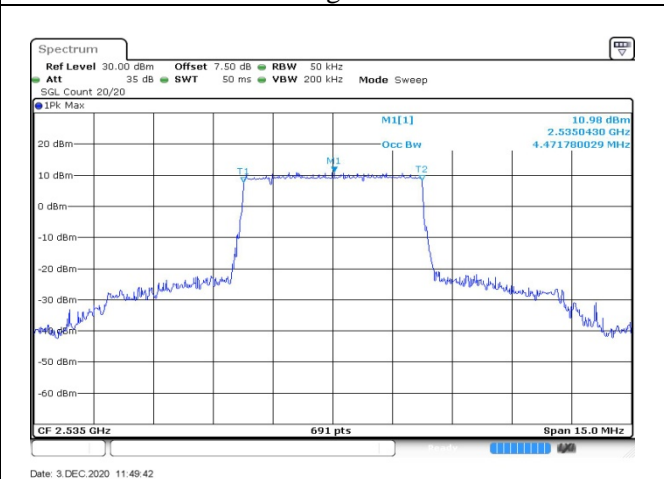


Fig.6

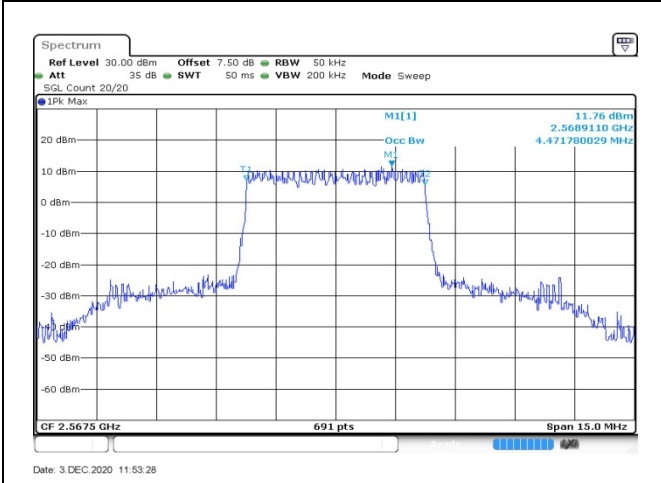


Fig.7

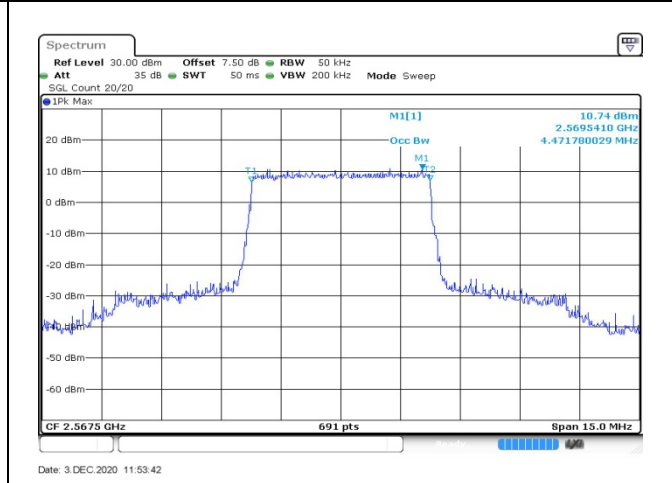


Fig.8

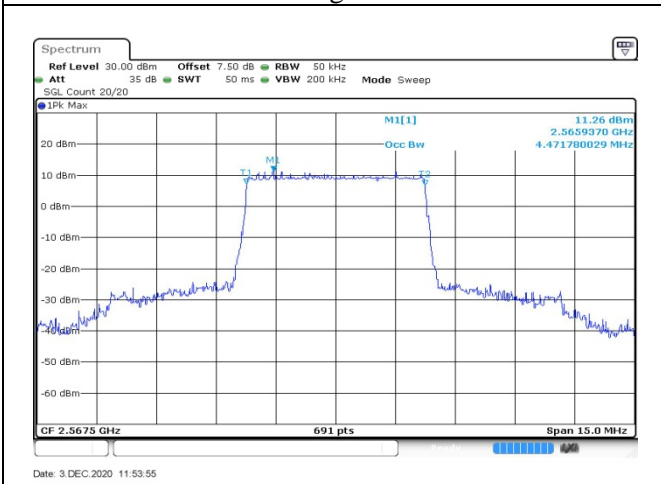


Fig.9

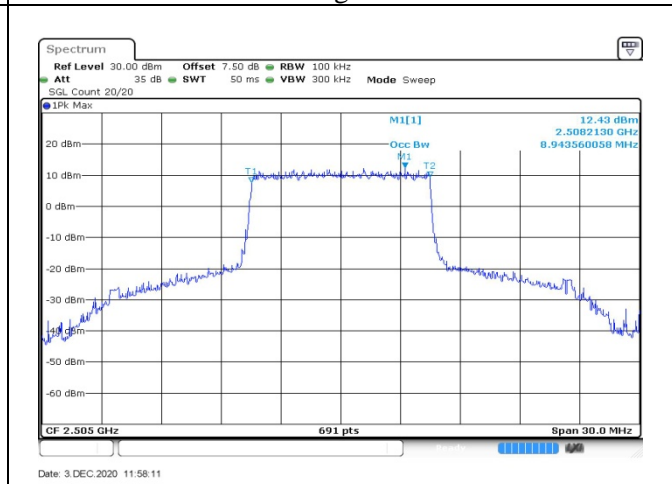


Fig.10

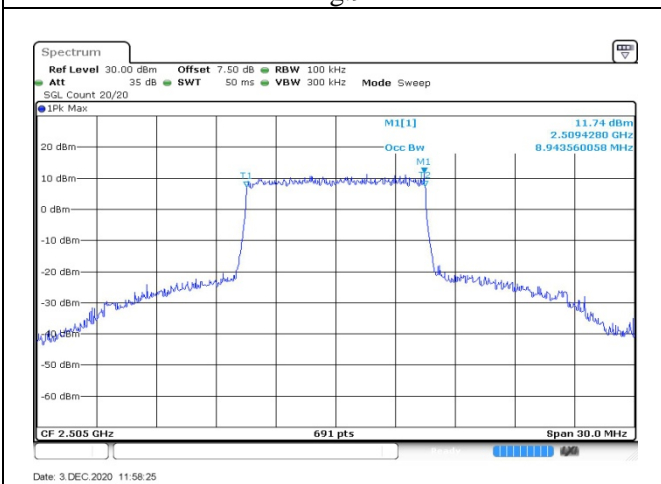


Fig.11

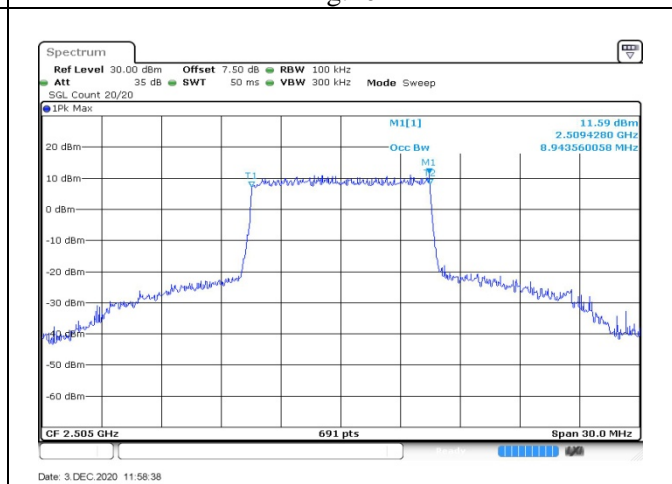
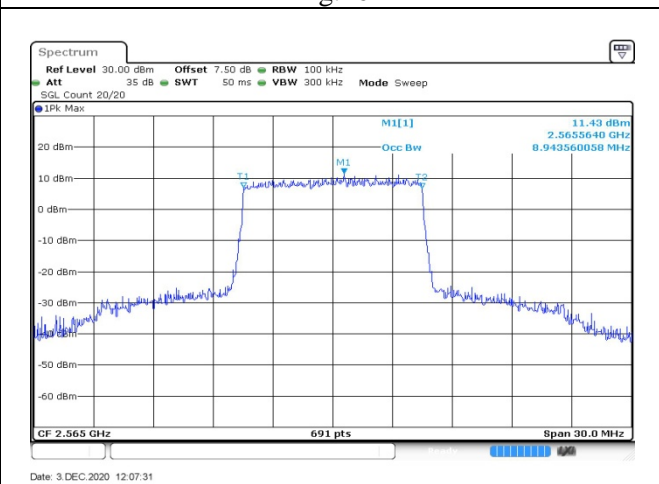
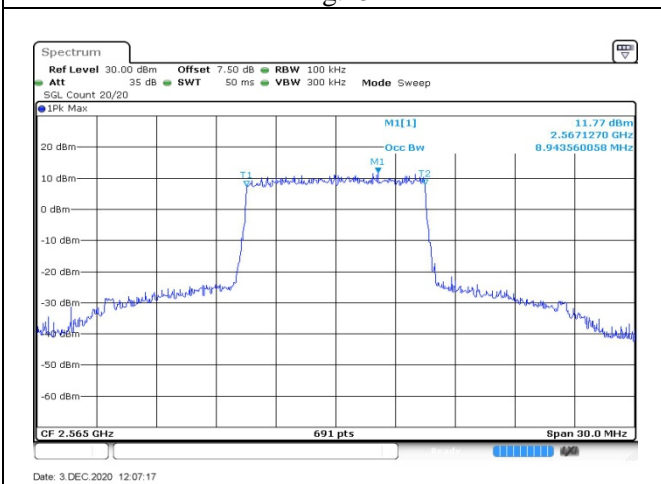
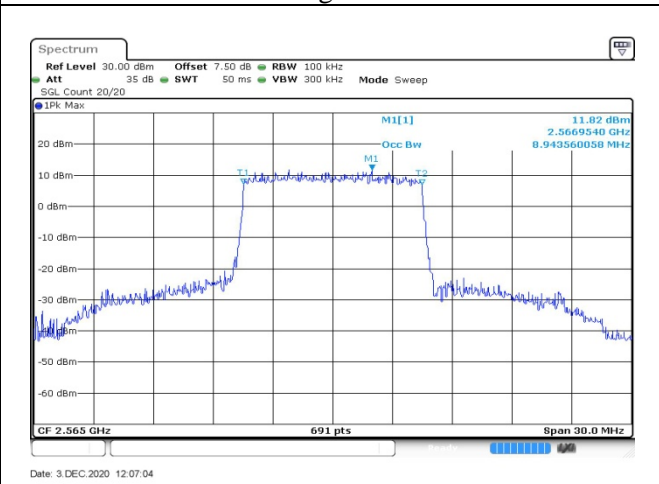
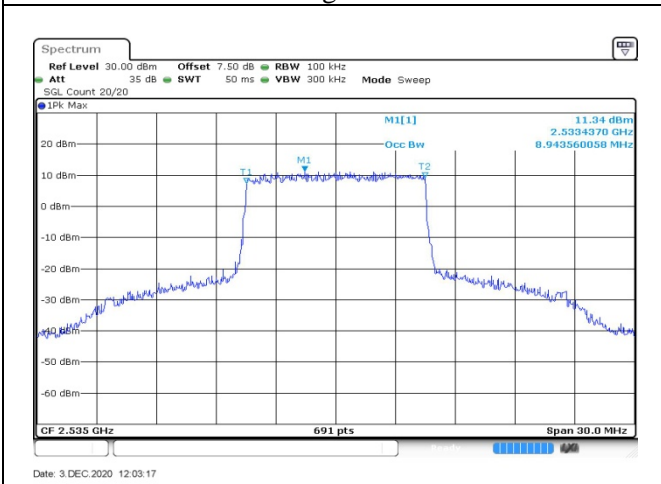
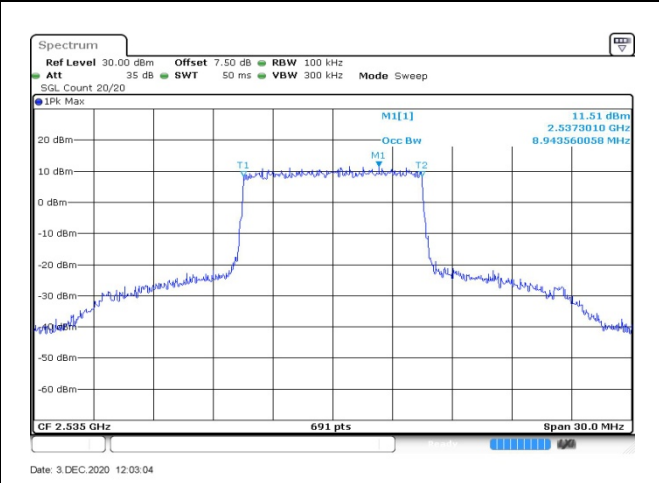
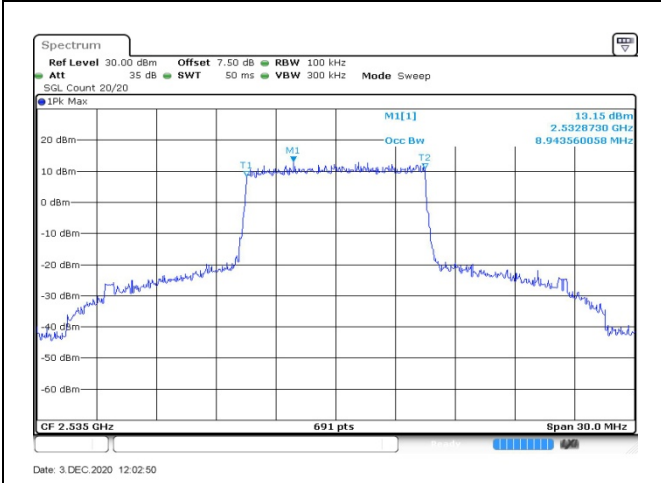


Fig.12



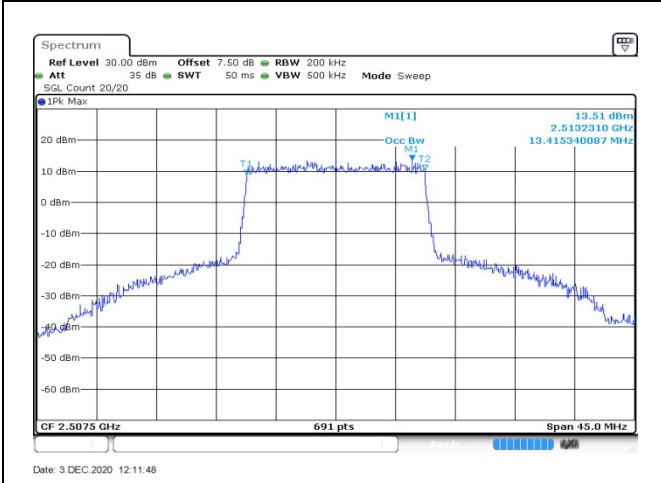


Fig.19

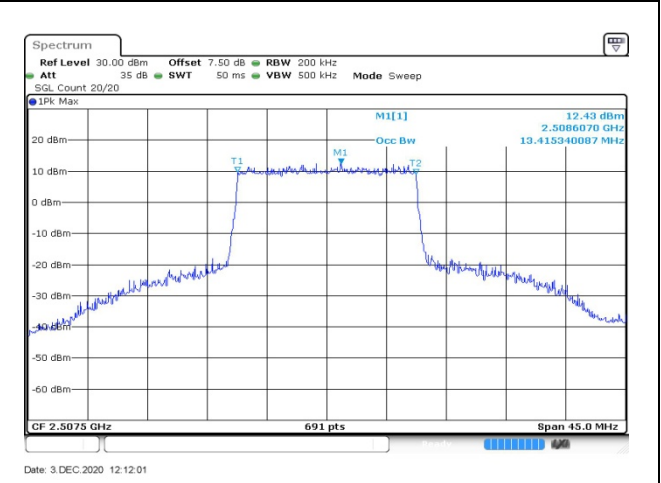


Fig.20

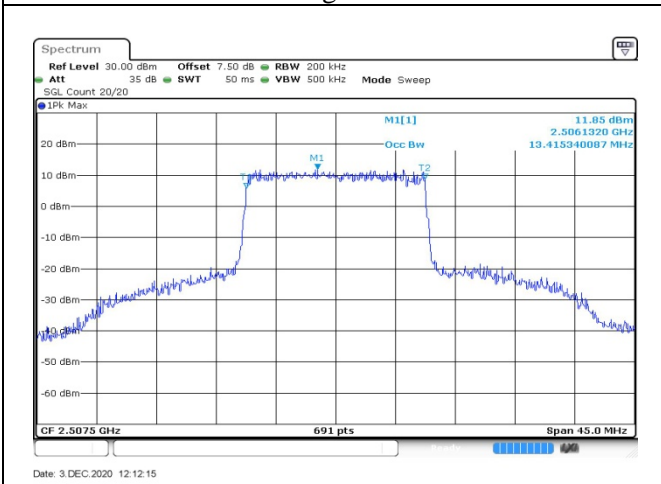


Fig.21

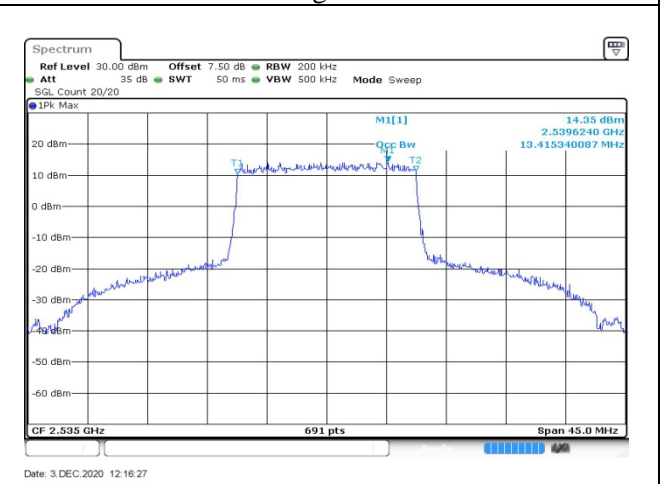


Fig.22

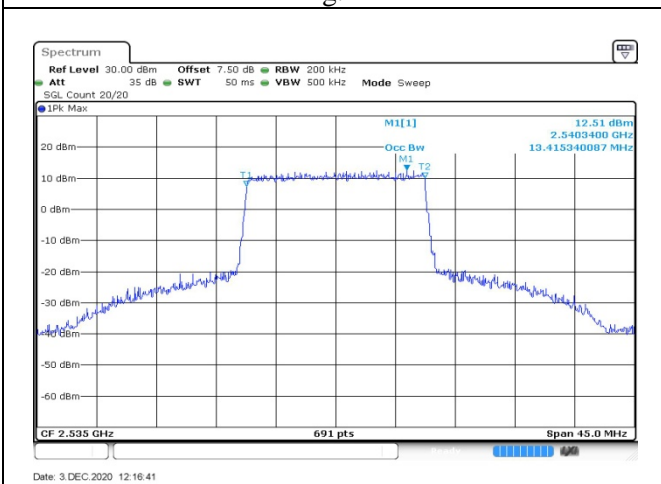


Fig.23

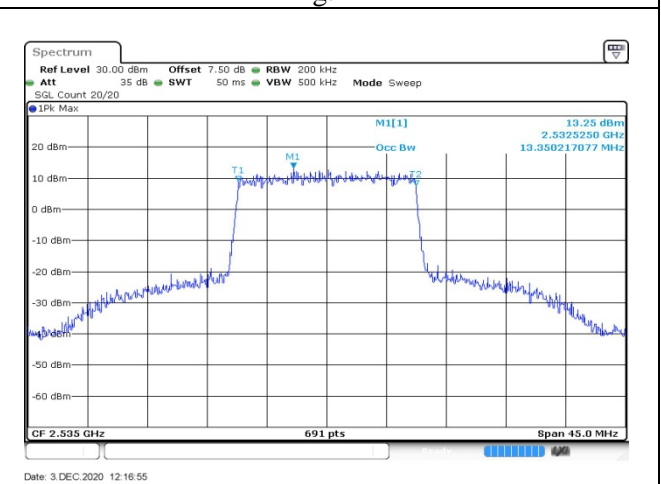


Fig.24

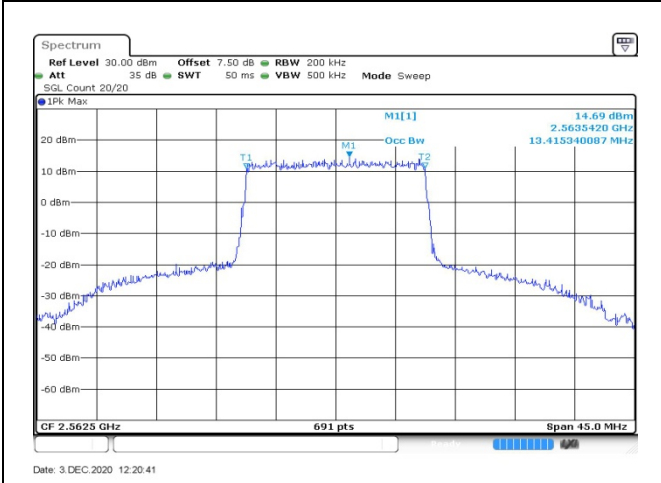


Fig.25

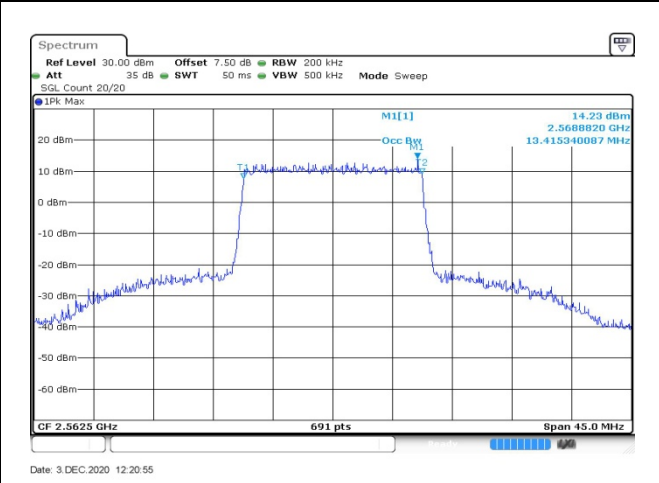


Fig.26

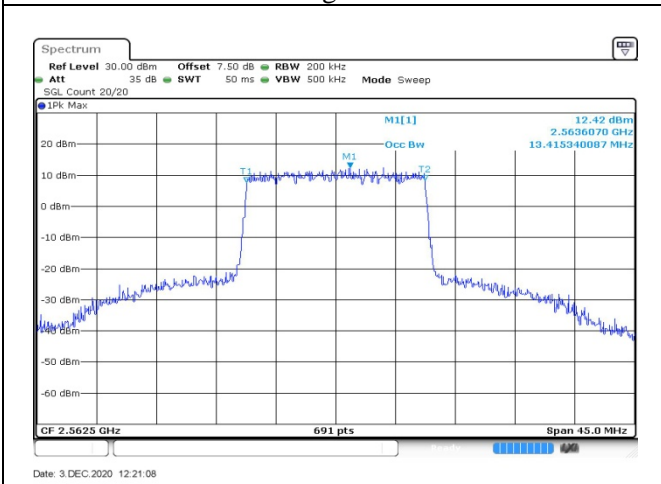


Fig.27

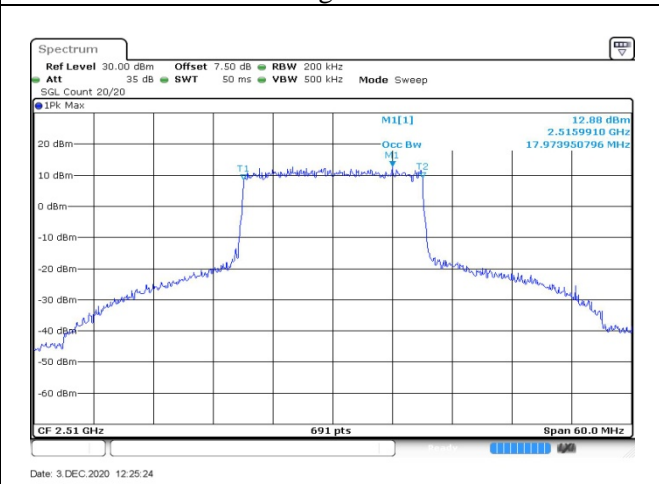


Fig.28

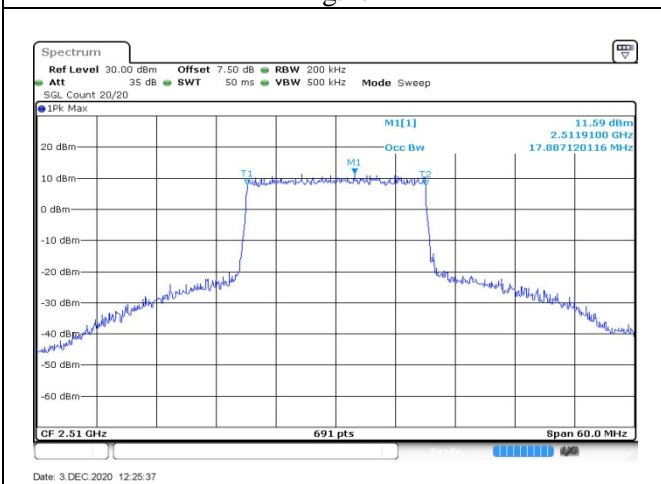


Fig.29

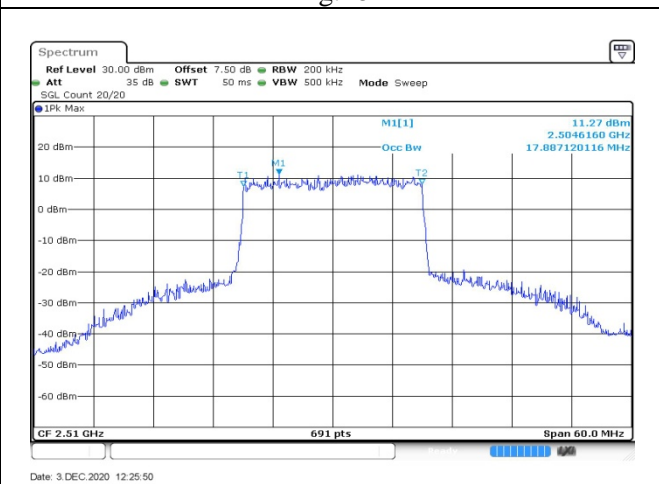
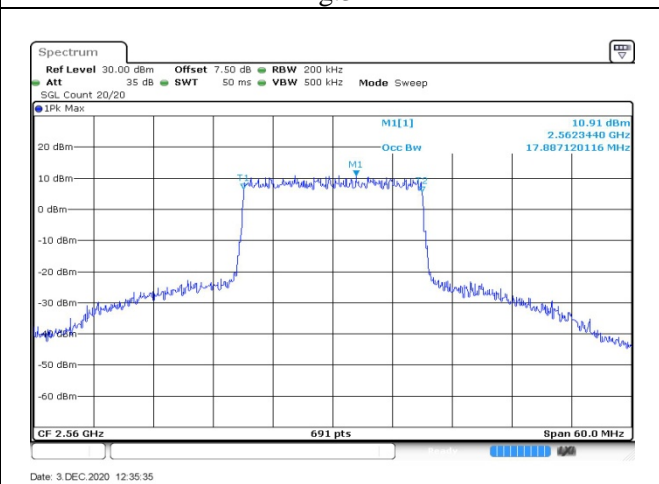
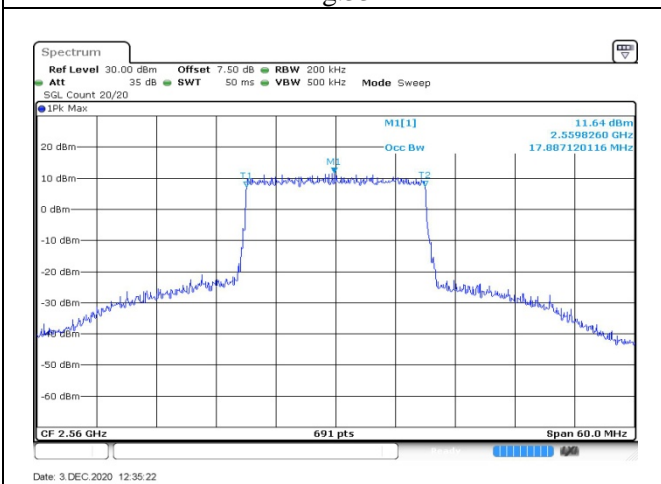
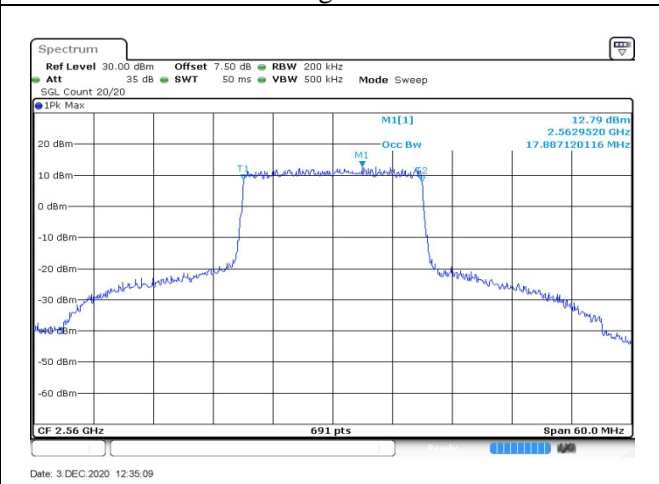
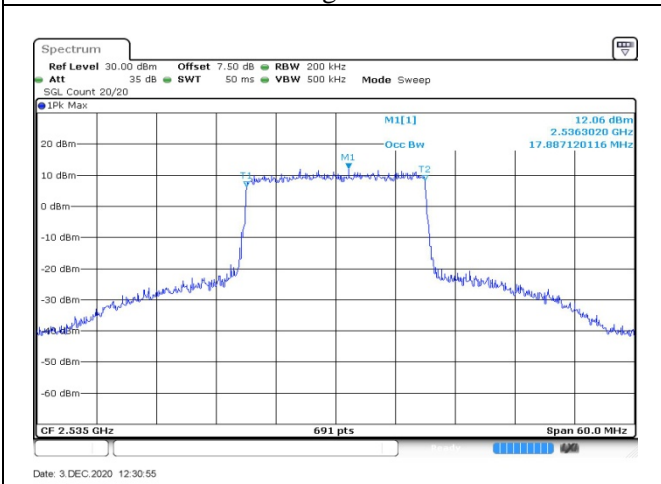
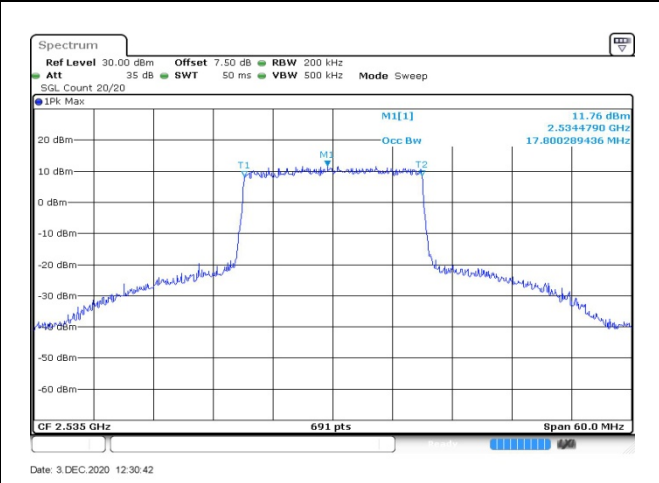
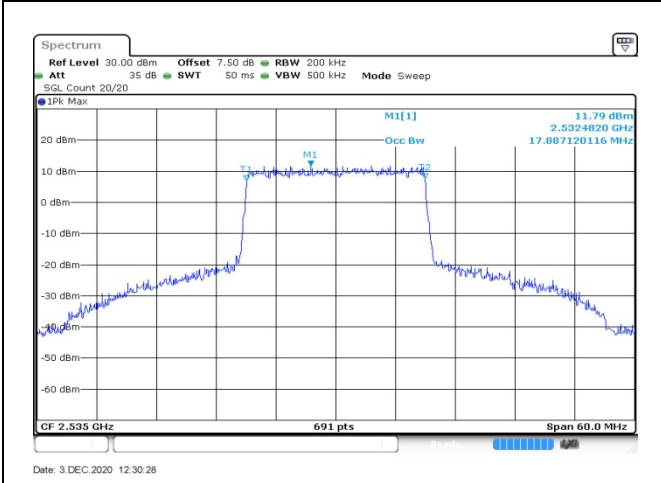


Fig.30



3 Emission Bandwidth

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	4.906	Fig.2	4.884	Fig.3
	2535	21100		25	0	4.928	Fig.4	4.863	Fig.5	4.819	Fig.6
	2567.5	21425		25	0	4.754	Fig.7	4.841	Fig.8	4.863	Fig.9
	2505	20800	10	50	0	9.638	Fig.10	9.638	Fig.11	9.595	Fig.12
	2535	21100		50	0	9.725	Fig.13	9.595	Fig.14	9.595	Fig.15
	2565	21400		50	0	9.508	Fig.16	9.551	Fig.17	9.595	Fig.18
	2507.5	20825	15	75	0	14.457	Fig.19	14.457	Fig.20	14.457	Fig.21
	2535	21100		75	0	14.522	Fig.22	14.457	Fig.23	14.262	Fig.24
	2562.5	21375		75	0	14.457	Fig.25	14.262	Fig.26	14.327	Fig.27
	2510	20850	20	100	0	19.016	Fig.28	19.103	Fig.29	19.016	Fig.30
	2535	21100		100	0	18.842	Fig.31	19.190	Fig.32	19.016	Fig.33
	2560	21350		100	0	19.190	Fig.34	18.929	Fig.35	18.929	Fig.36

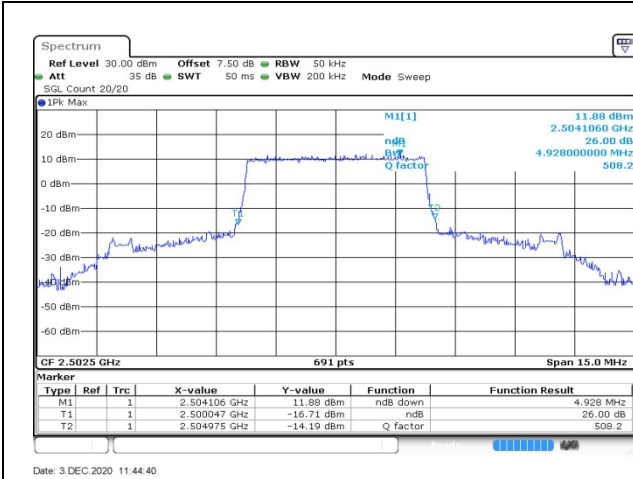


Fig.1

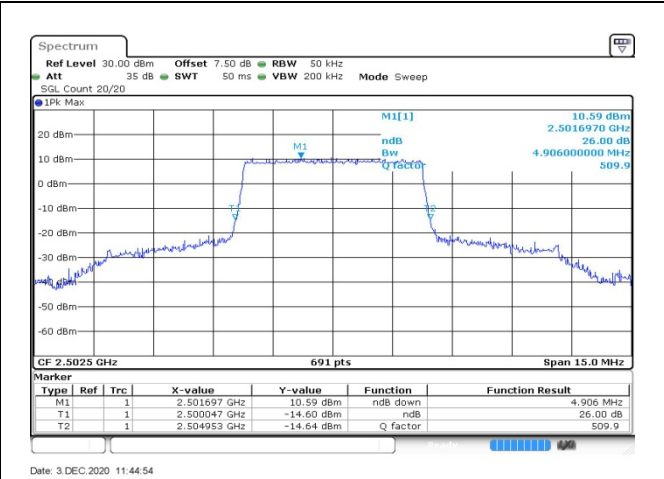


Fig.2

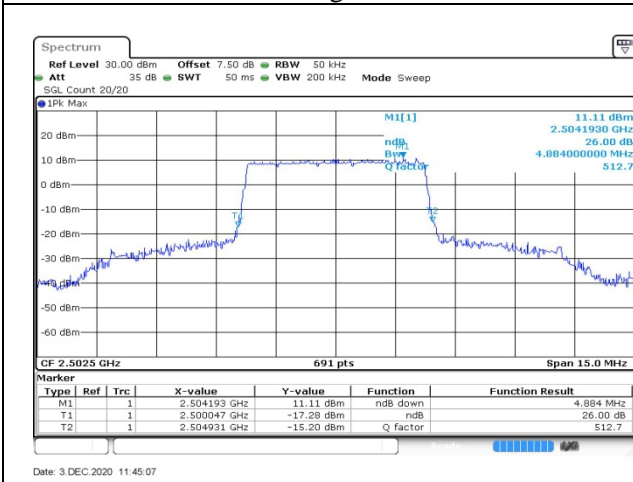


Fig.3

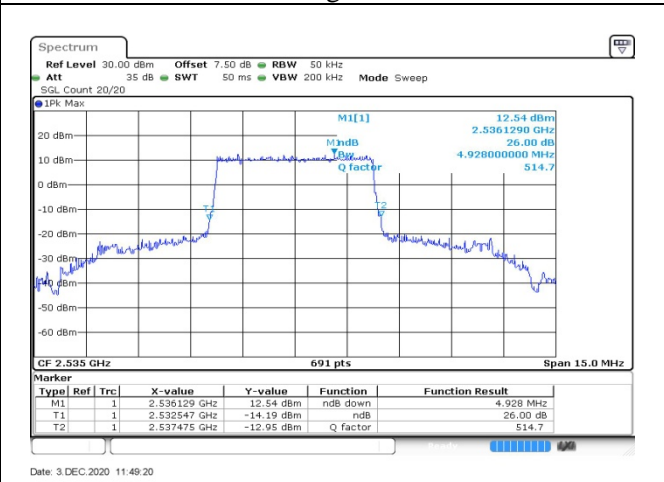


Fig.4

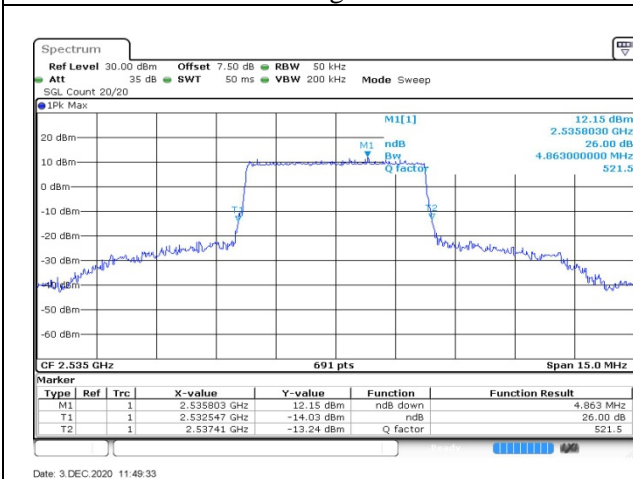


Fig.5

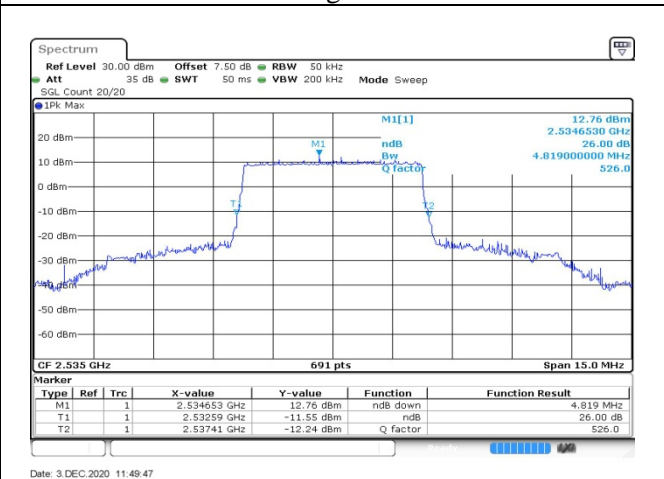


Fig.6