

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 71

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	665.5	133147	5	1	0	22.52
				1	12	22.61
				1	24	22.62
				12	0	21.67
				12	7	21.73
				12	13	21.74
	25	0		21.69		
	680.5	133297		1	0	22.58
				1	12	22.64
				1	24	22.69
				12	0	21.68
				12	7	21.76
				12	13	21.75
	25	0		21.72		
	695.5	133447		1	0	22.60
				1	12	22.73
				1	24	22.71
				12	0	21.68
12			7	21.77		
12			13	21.83		
25	0	21.75				
16QAM	665.5	133147	1	0	21.59	
			1	12	21.73	
			1	24	21.76	
			12	0	20.61	
			12	7	20.73	
			12	13	20.66	
	25	0	20.71			
	680.5	133297	1	0	21.66	
			1	12	21.80	
			1	24	21.79	
			12	0	20.60	
			12	7	20.72	
			12	13	20.73	
	25	0	20.78			
	695.5	133447	1	0	21.70	
			1	12	21.83	
			1	24	21.83	
			12	0	20.65	
12			7	20.76		
12			13	20.77		
25	0	20.81				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	665.5	133147	5	1	0	20.76
				1	12	20.75
				1	24	20.71
				12	0	20.71
				12	7	20.71
				12	13	20.69
	25	0		20.68		
	680.5	133297		1	0	20.77
				1	12	20.77
				1	24	20.78
				12	0	20.77
				12	7	20.75
				12	13	20.76
	25	0		20.77		
	695.5	133447		1	0	20.79
				1	12	20.79
				1	24	20.79
				12	0	20.78
12			7	20.79		
12			13	20.79		
25	0	20.79				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	668	133172	10	1	0	22.52
				1	25	22.58
				1	49	22.63
				25	0	21.63
				25	12	21.70
				25	25	21.67
	680.5	133297		50	0	21.62
				1	0	22.51
				1	25	22.59
				1	49	22.55
				25	0	21.64
				25	12	21.68
	693	133422		25	25	21.66
				50	0	21.68
				1	0	22.59
				1	25	22.78
				1	49	22.69
				25	0	21.69
16QAM	668	133172	25	12	21.72	
			25	25	21.71	
			50	0	21.71	
			1	0	21.67	
			1	25	21.74	
			1	49	21.75	
	680.5	133297	25	0	20.67	
			25	12	20.72	
			25	25	20.80	
			50	0	20.63	
			1	0	21.62	
			1	25	21.81	
	693	133422	1	49	21.79	
			25	0	20.75	
			25	12	20.76	
			25	25	20.81	
			50	0	20.72	
			1	0	21.84	
			1	25	21.86	
			1	49	21.84	
			25	0	20.80	
			25	12	20.88	
			25	25	20.82	
			50	0	20.77	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	668	133172	10	1	0	20.62
				1	25	20.68
				1	49	20.68
				25	0	20.67
				25	12	20.70
				25	25	20.67
				50	0	20.66
	680.5	133297		1	0	20.73
				1	25	20.72
				1	49	20.72
				25	0	20.73
				25	12	20.73
				25	25	20.77
				50	0	20.73
	693	133422		1	0	20.75
				1	25	20.78
				1	49	20.78
				25	0	20.76
				25	12	20.73
				25	25	20.76
				50	0	20.77

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	670.5	133197	15	1	0	22.72
				1	37	22.85
				1	74	22.88
				36	0	21.87
				36	29	22.00
				36	30	22.00
				75	0	21.84
	680.5	133297		1	0	22.90
				1	37	22.90
				1	74	22.95
				36	0	21.92
				36	29	21.96
				36	30	21.93
				75	0	21.85
	690.5	133397		1	0	22.98
				1	37	22.91
				1	74	22.95
				36	0	21.91
				36	29	21.97
				36	30	21.96
				75	0	21.93
16QAM	670.5	133197	1	0	22.11	
			1	37	22.36	
			1	74	22.24	
			36	0	20.80	
			36	29	20.90	
			36	30	20.89	
			75	0	20.86	
	680.5	133297	1	0	22.39	
			1	37	22.39	
			1	74	22.41	
			36	0	20.88	
			36	29	20.87	
			36	30	20.87	
			75	0	20.85	
	690.5	133397	1	0	22.45	
			1	37	22.38	
			1	74	22.35	
			36	0	20.84	
			36	29	20.90	
			36	30	20.93	
			75	0	20.88	

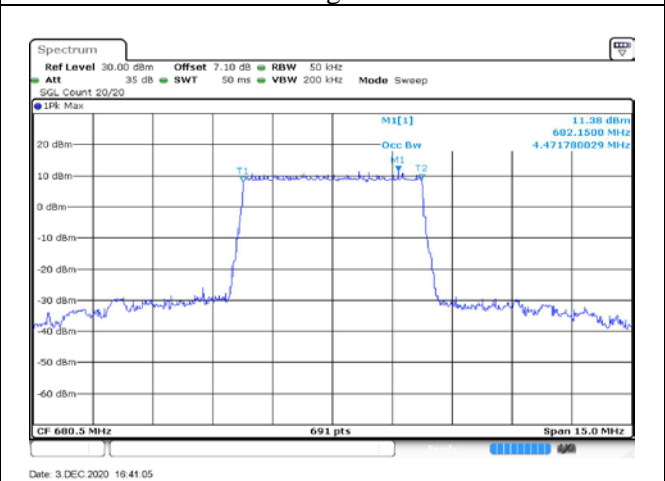
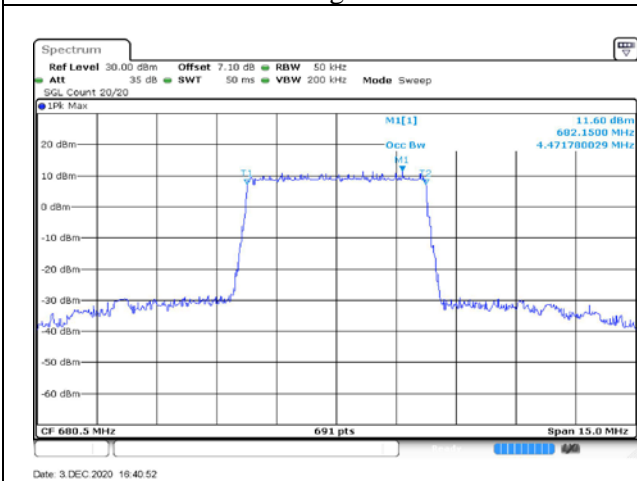
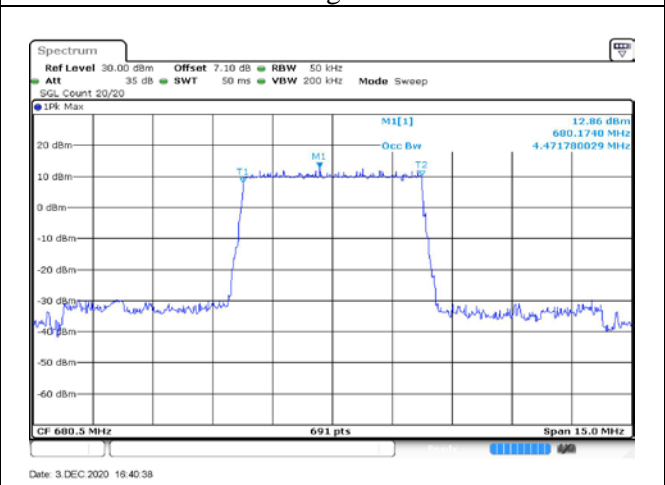
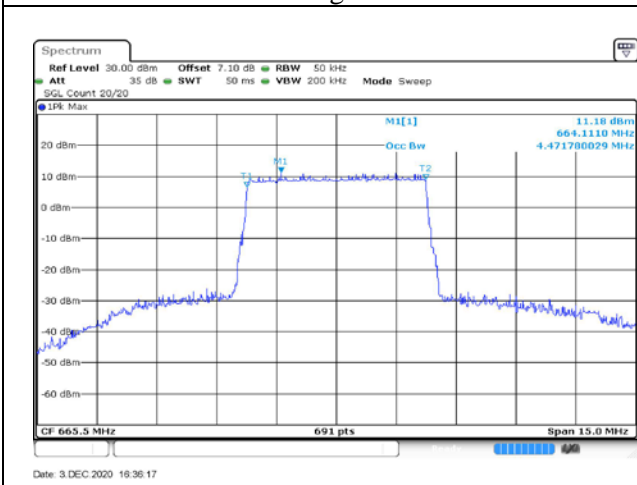
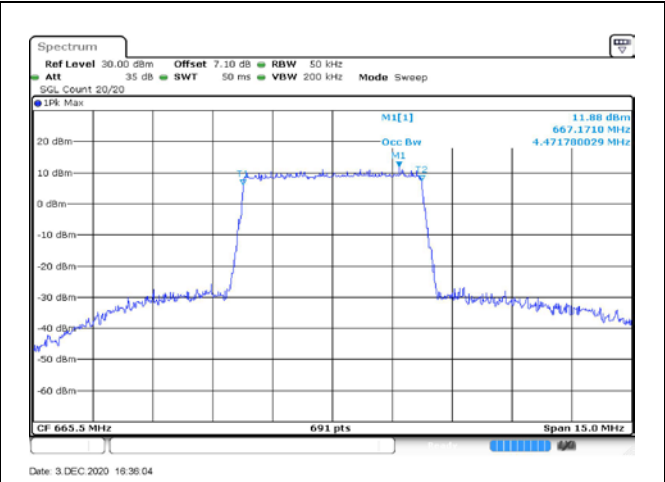
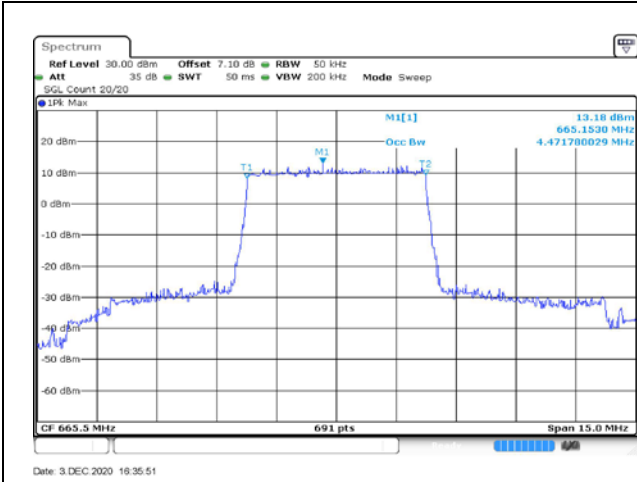
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	670.5	133197	15	1	0	20.88
				1	37	20.85
				1	74	20.85
				36	0	20.85
				36	29	20.84
				36	30	20.84
				75	0	20.91
	680.5	133297		1	0	20.84
				1	37	20.84
				1	74	20.85
				36	0	20.86
				36	29	20.85
				36	30	20.86
				75	0	20.84
	690.5	133397		1	0	20.84
				1	37	20.87
				1	74	20.84
				36	0	20.93
				36	29	20.86
				36	30	20.89
				75	0	20.82

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	673	133222	20	1	0	22.75
				1	49	22.93
				1	99	22.95
				50	0	21.75
				50	24	21.88
				50	50	21.88
				100	0	21.89
	683	133322		1	0	22.79
				1	49	22.82
				1	99	22.96
				50	0	21.80
				50	24	21.98
				50	50	21.96
				100	0	21.89
	688	133372		1	0	22.89
				1	49	22.94
				1	99	22.98
				50	0	21.83
				50	24	22.03
				50	50	22.00
				100	0	21.95
16QAM	673	133222	1	0	22.28	
			1	49	22.52	
			1	99	22.57	
			50	0	20.68	
			50	24	20.91	
			50	50	20.89	
			100	0	20.83	
	683	133322	1	0	22.33	
			1	49	22.61	
			1	99	22.52	
			50	0	20.74	
			50	24	21.01	
			50	50	20.93	
			100	0	20.83	
	688	133372	1	0	22.45	
			1	49	22.50	
			1	99	22.54	
			50	0	20.82	
			50	24	21.03	
			50	50	20.96	
			100	0	20.91	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	673	133222	20	1	0	20.83
				1	49	20.89
				1	99	20.81
				50	0	20.82
				50	24	20.82
				50	50	20.88
				100	0	20.81
	683	133322		1	0	20.83
				1	49	20.89
				1	99	20.85
				50	0	20.82
				50	24	20.82
				50	50	20.85
				100	0	20.83
	688	133372		1	0	20.88
				1	49	20.90
				1	99	20.89
				50	0	20.89
				50	24	20.89
				50	50	20.90
				100	0	20.90

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
71	665.5	133147	5	25	0	4.472	Fig.1	4.472	Fig.2	4.472	Fig.3
	680.5	133297		25	0	4.472	Fig.4	4.472	Fig.5	4.472	Fig.6
	695.5	133447		25	0	4.472	Fig.7	4.472	Fig.8	4.472	Fig.9
	668	133172	10	50	0	8.944	Fig.10	8.944	Fig.11	8.944	Fig.12
	680.5	133297		50	0	8.944	Fig.13	8.944	Fig.14	8.944	Fig.15
	693	133422		50	0	8.944	Fig.16	8.944	Fig.17	8.944	Fig.18
	670.5	133197	15	75	0	13.415	Fig.19	13.415	Fig.20	13.415	Fig.21
	680.5	133297		75	0	13.415	Fig.22	13.415	Fig.23	13.415	Fig.24
	690.5	133397		75	0	13.415	Fig.25	13.415	Fig.26	13.415	Fig.27
	673	133222	20	100	0	17.887	Fig.28	17.800	Fig.29	17.887	Fig.30
	683	133322		100	0	17.887	Fig.31	17.887	Fig.32	17.887	Fig.33
	688	133372		100	0	17.887	Fig.34	17.887	Fig.35	17.887	Fig.36



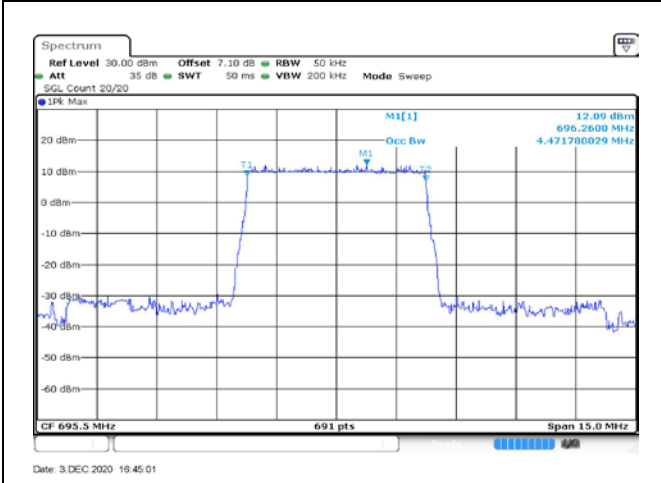


Fig.7

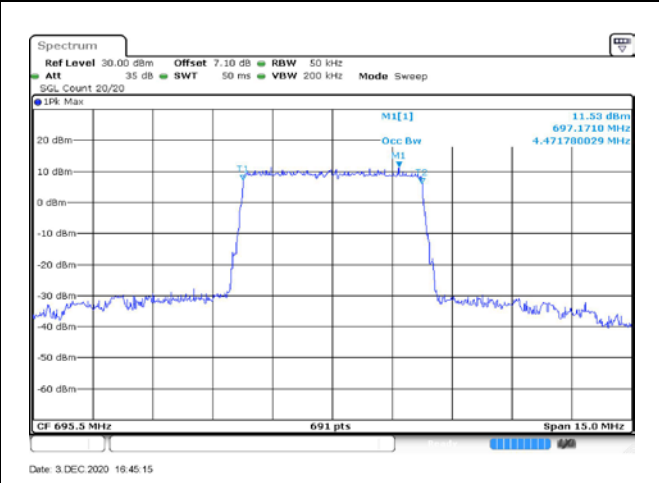


Fig.8

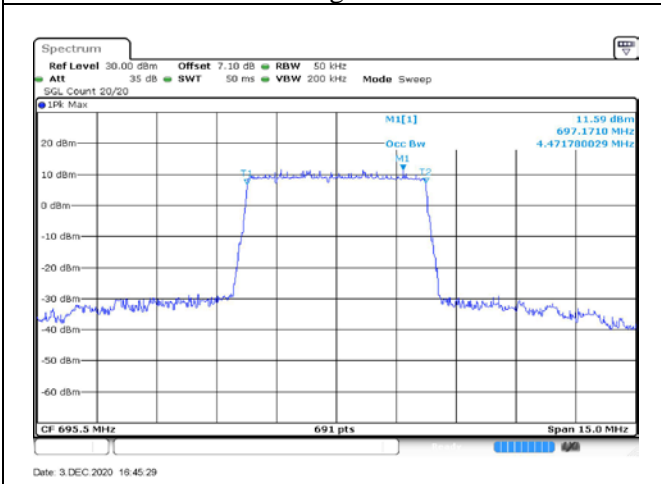


Fig.9

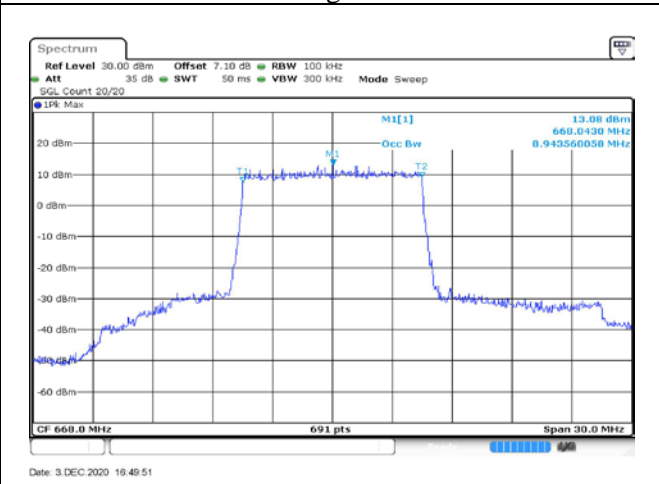


Fig.10

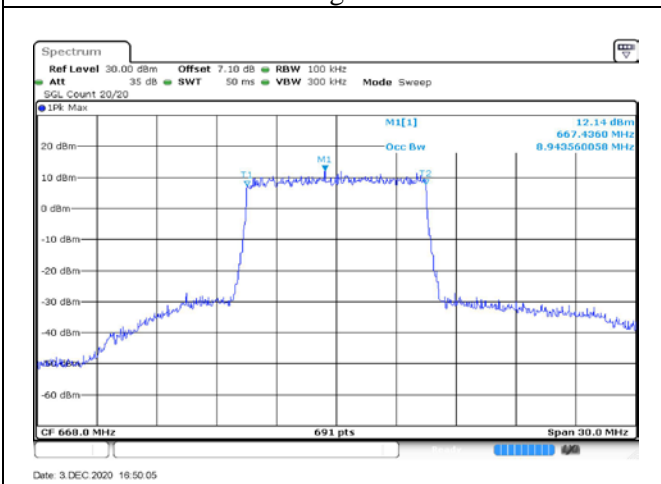


Fig.11

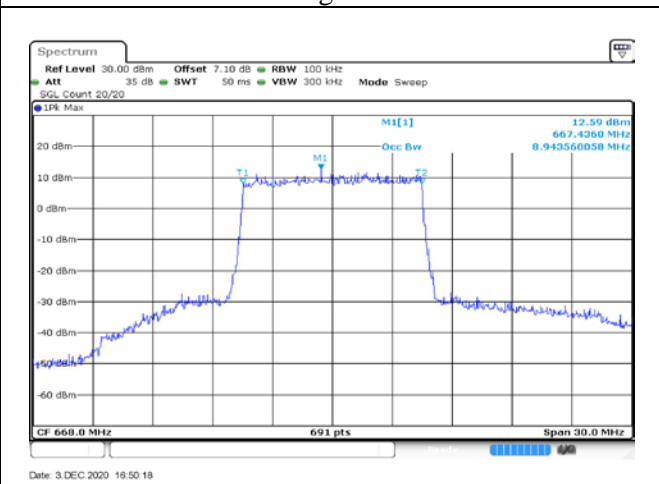


Fig.12

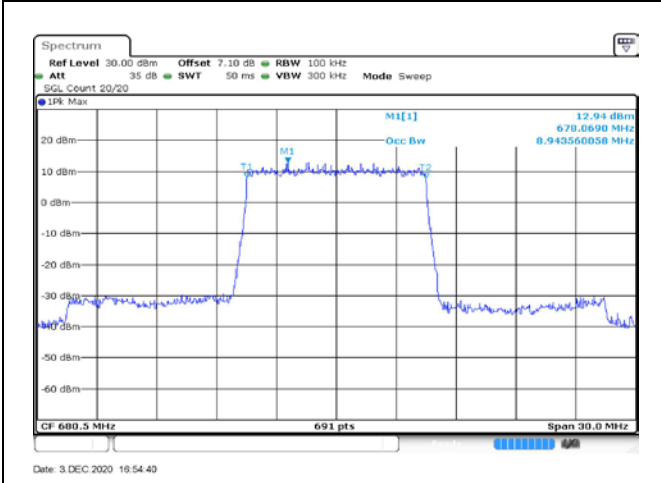


Fig.13

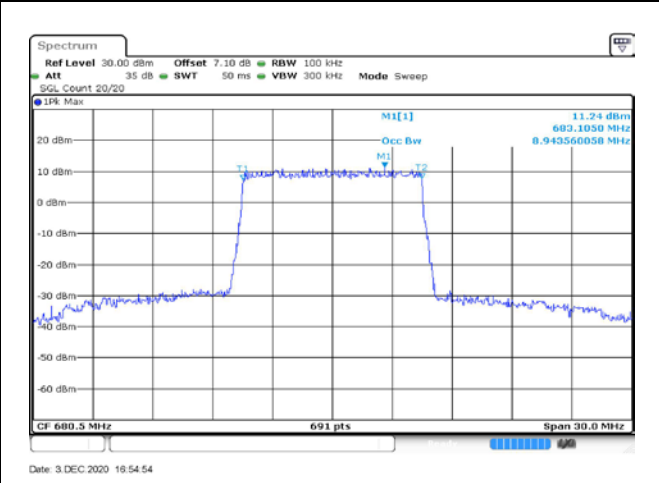


Fig.14

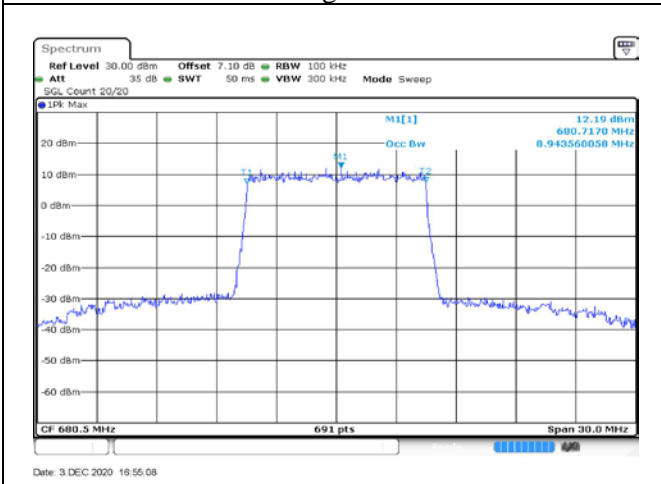


Fig.15

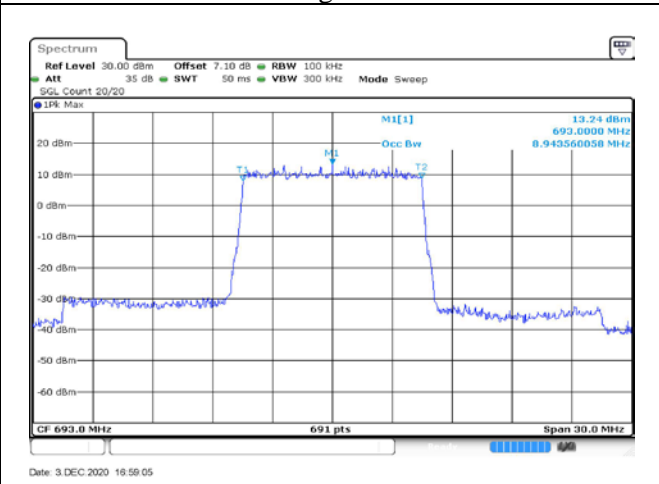


Fig.16

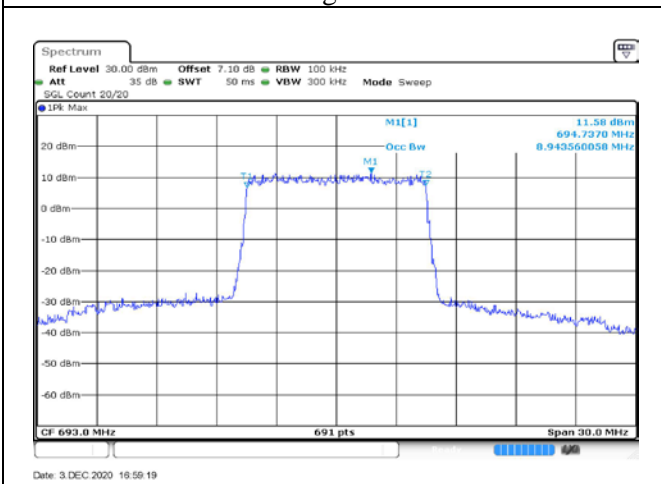


Fig.17

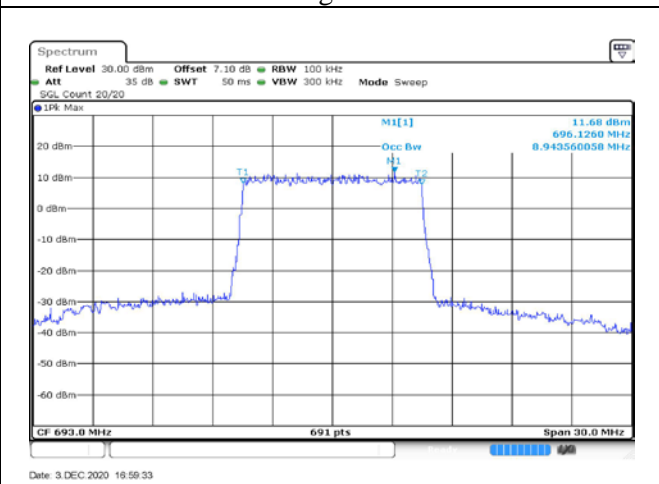
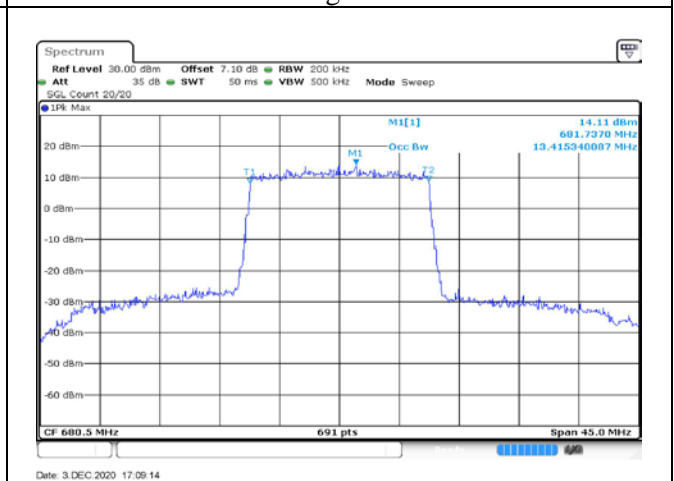
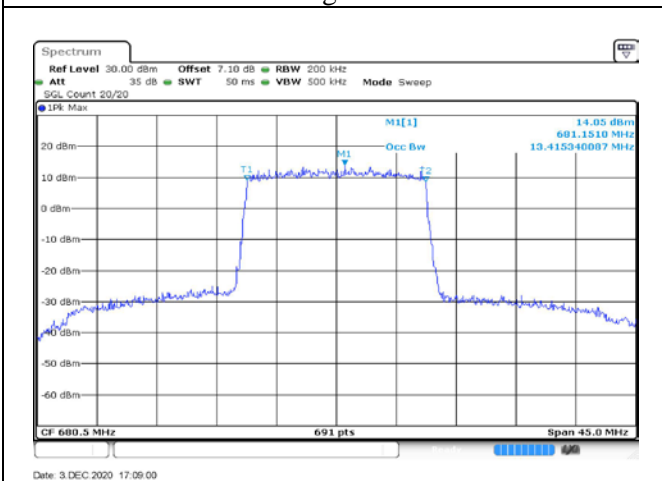
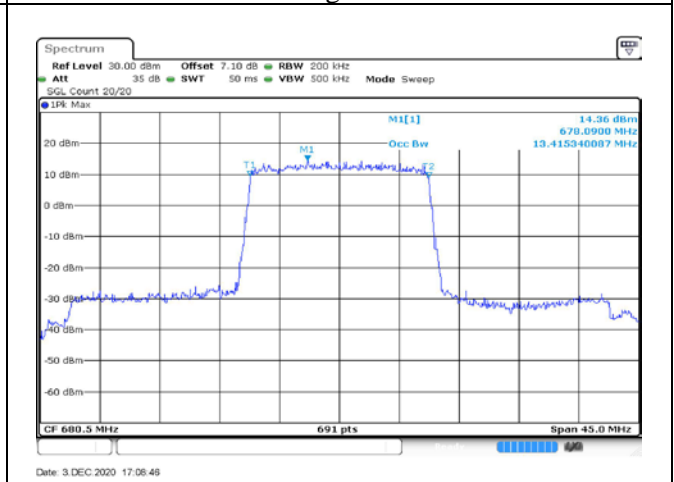
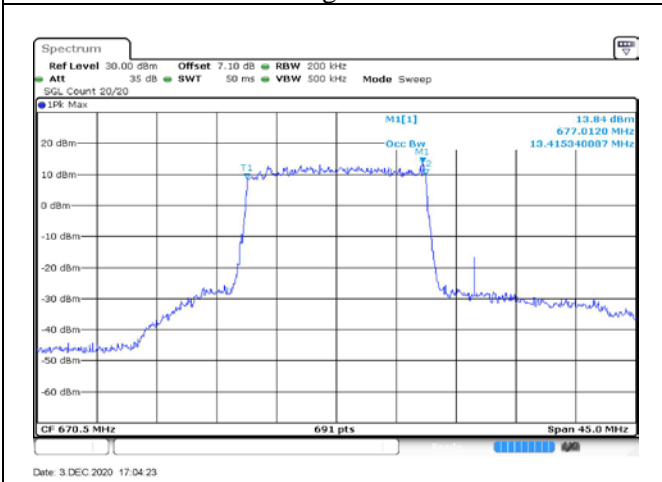
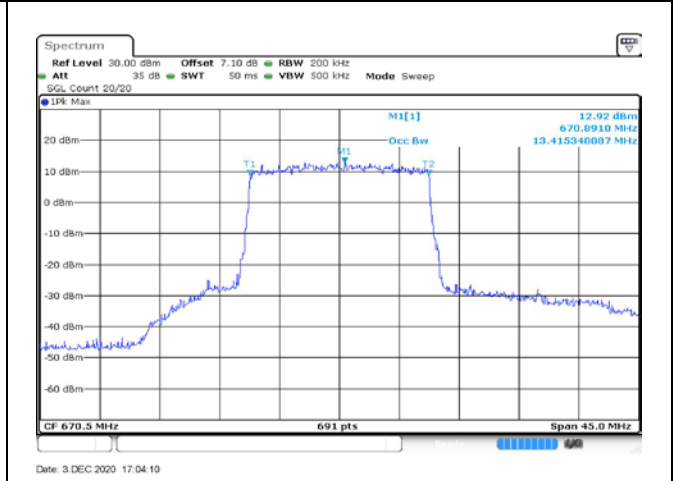
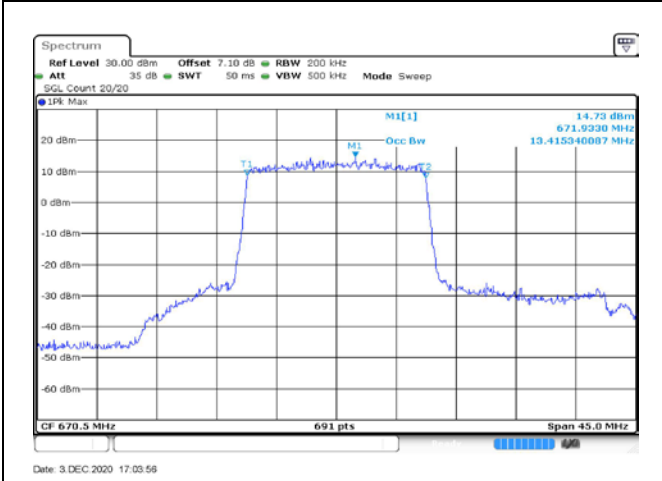


Fig.18



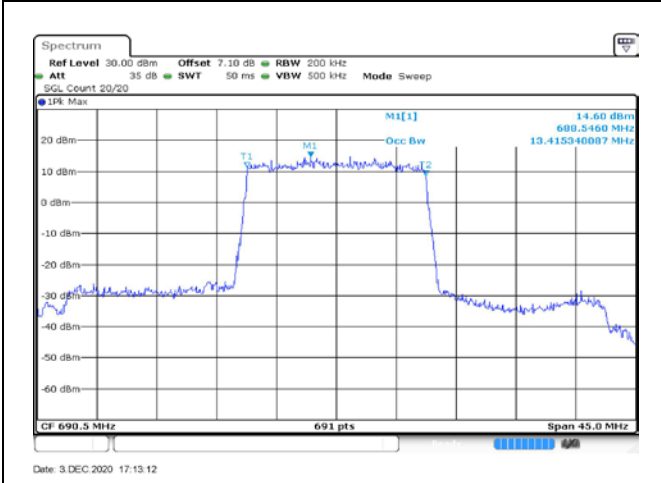


Fig.25

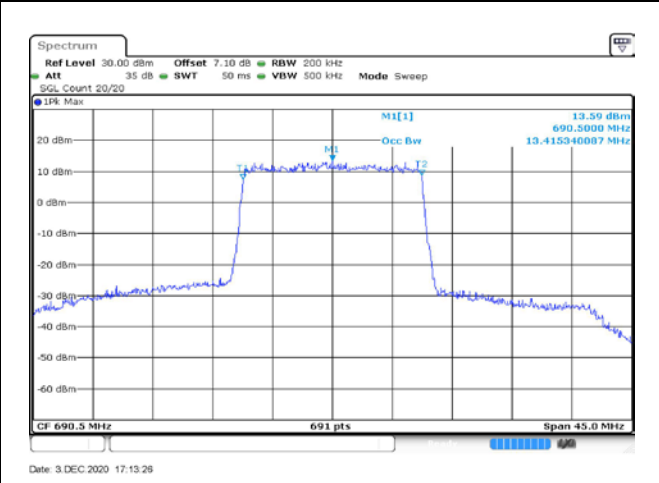


Fig.26

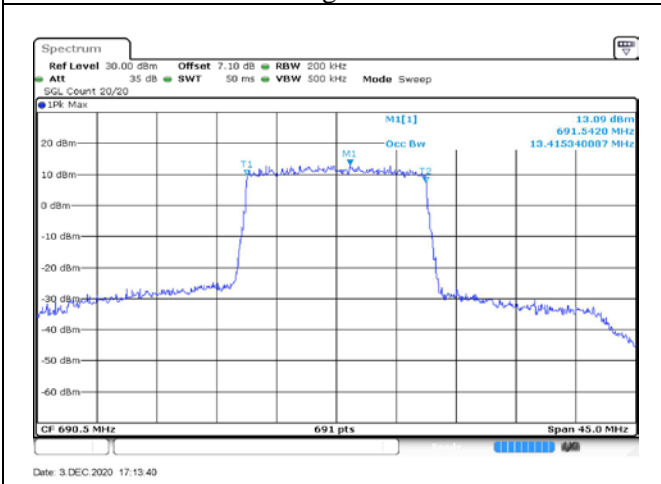


Fig.27

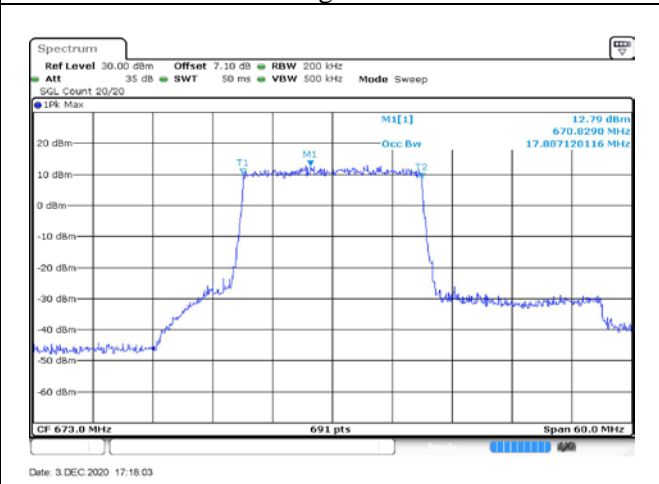


Fig.28

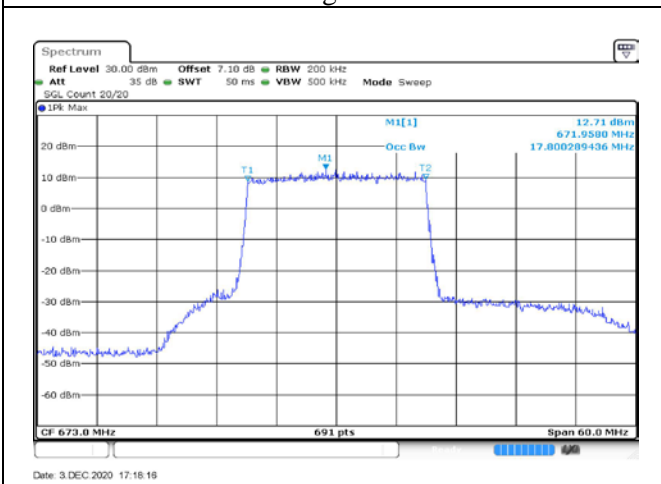


Fig.29

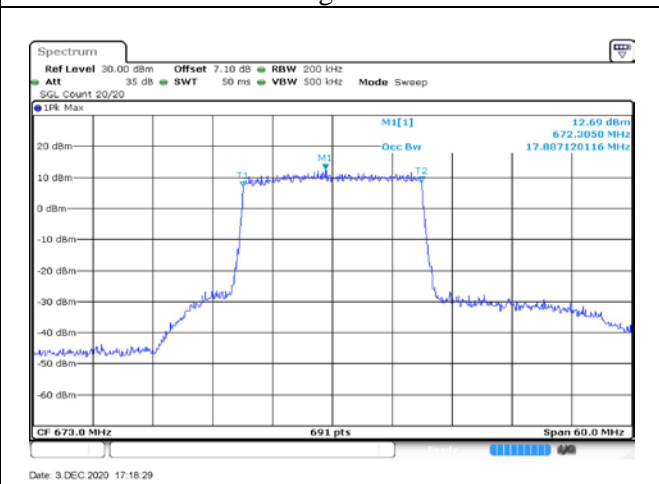
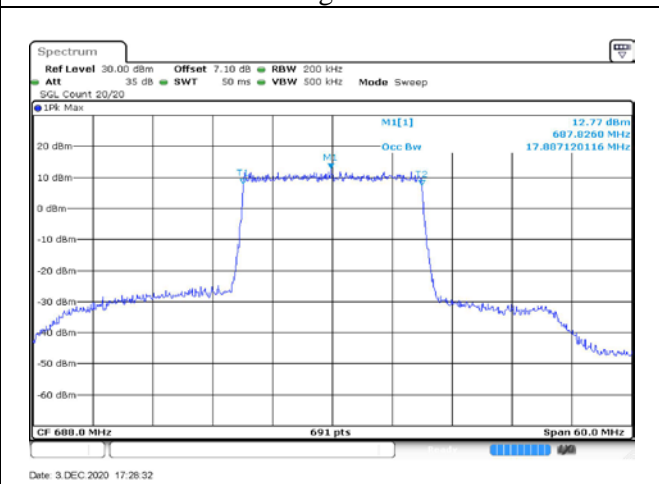
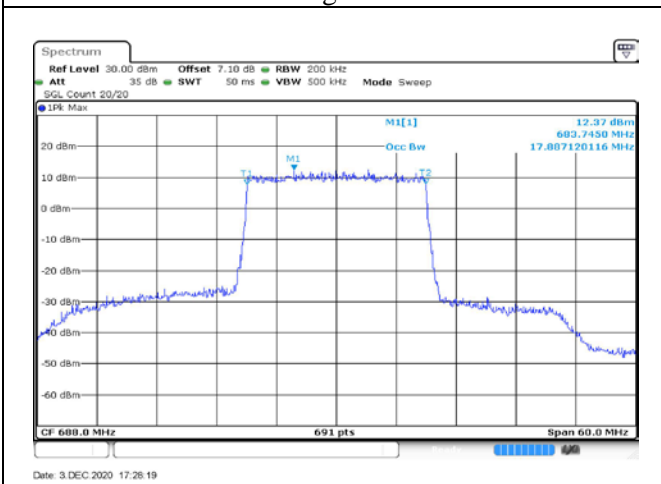
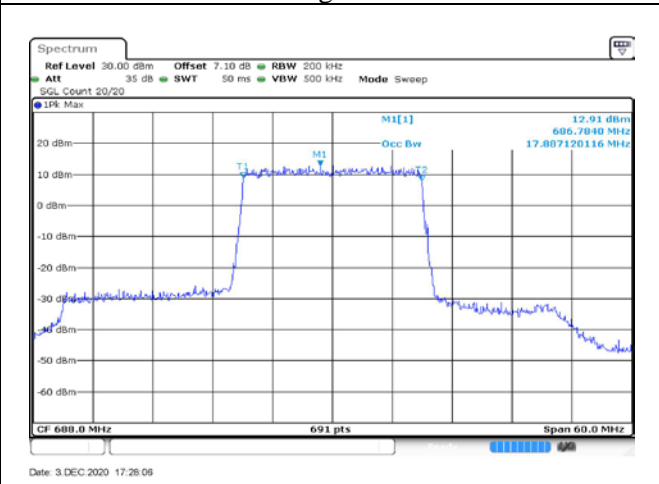
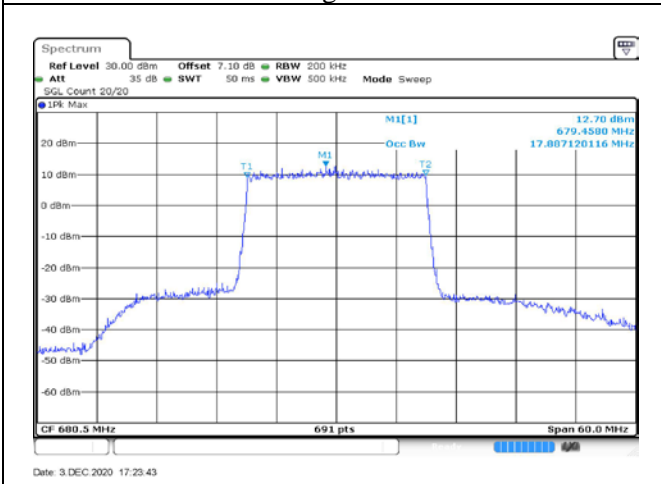
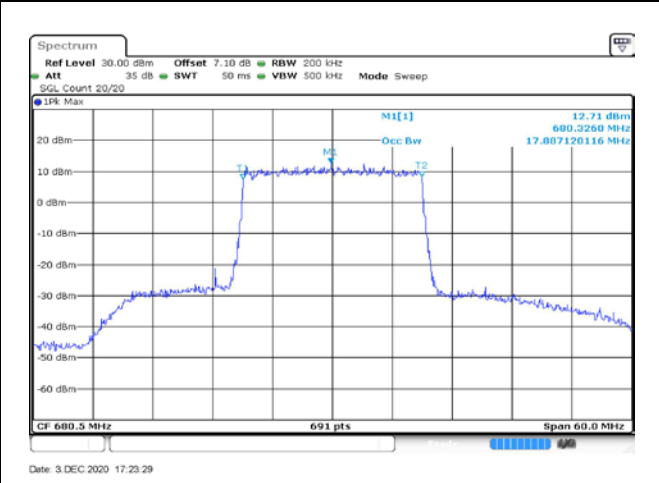
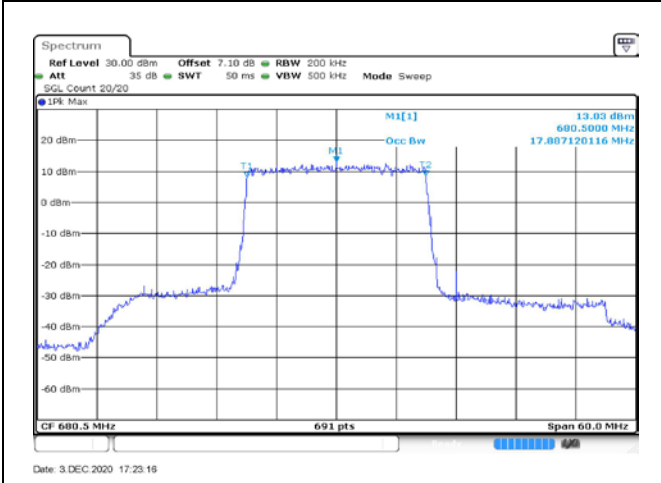


Fig.30



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	
71	665.5	133147	5	25	0	4.884	Fig.1	4.884	Fig.2	4.906	Fig.3
	680.5	133297		25	0	4.819	Fig.4	4.863	Fig.5	4.884	Fig.6
	695.5	133447		25	0	4.819	Fig.7	4.884	Fig.8	4.863	Fig.9
	668	133172	10	50	0	9.638	Fig.10	9.595	Fig.11	9.595	Fig.12
	680.5	133297		50	0	9.638	Fig.13	9.638	Fig.14	9.551	Fig.15
	693	133422		50	0	9.595	Fig.16	9.638	Fig.17	9.638	Fig.18
	670.5	133197	15	75	0	14.392	Fig.19	14.327	Fig.20	14.392	Fig.21
	680.5	133297		75	0	14.457	Fig.22	14.522	Fig.23	14.392	Fig.24
	690.5	133397		75	0	14.457	Fig.25	14.457	Fig.26	14.327	Fig.27
	673	133222	20	100	0	19.103	Fig.28	19.016	Fig.29	19.016	Fig.30
	683	133322		100	0	19.103	Fig.31	19.016	Fig.32	18.929	Fig.33
	688	133372		100	0	19.190	Fig.34	19.103	Fig.35	19.103	Fig.36

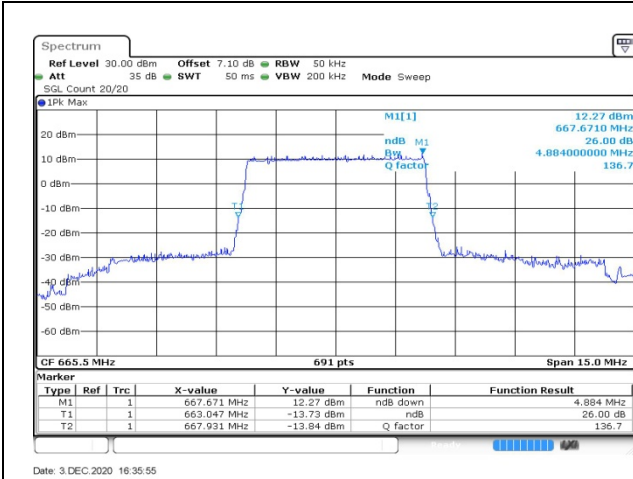


Fig.1

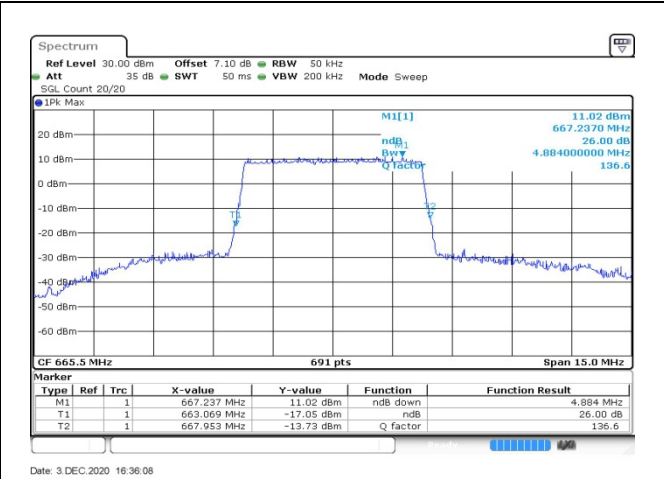


Fig.2

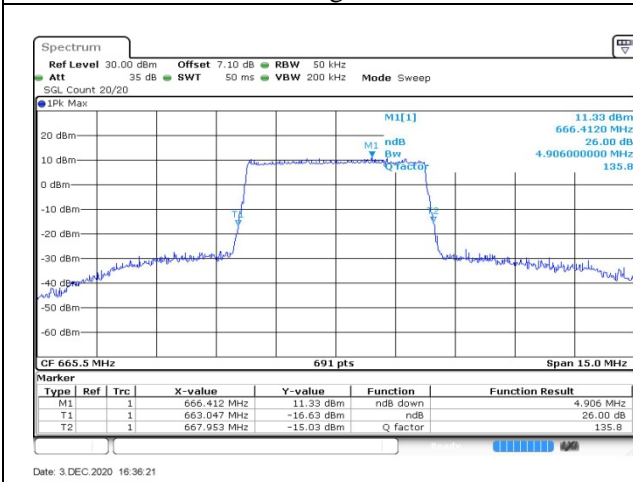


Fig.3

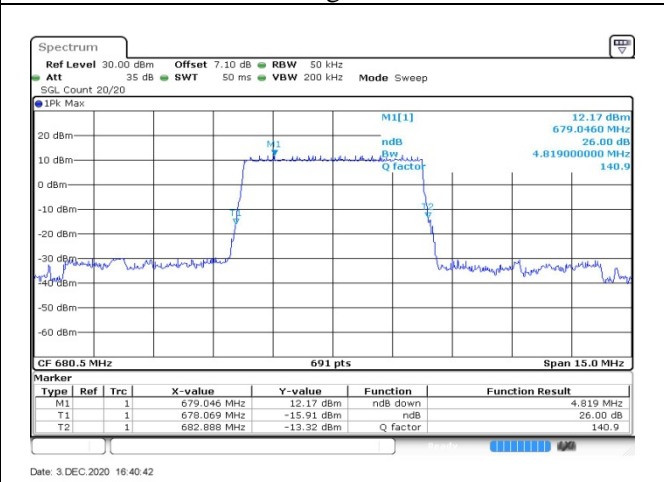


Fig.4

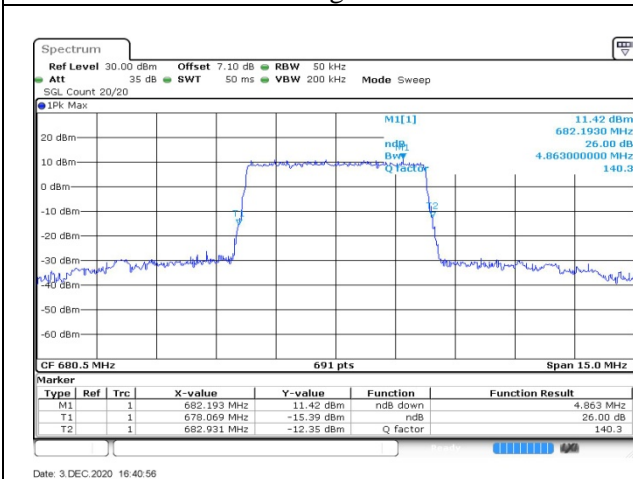


Fig.5

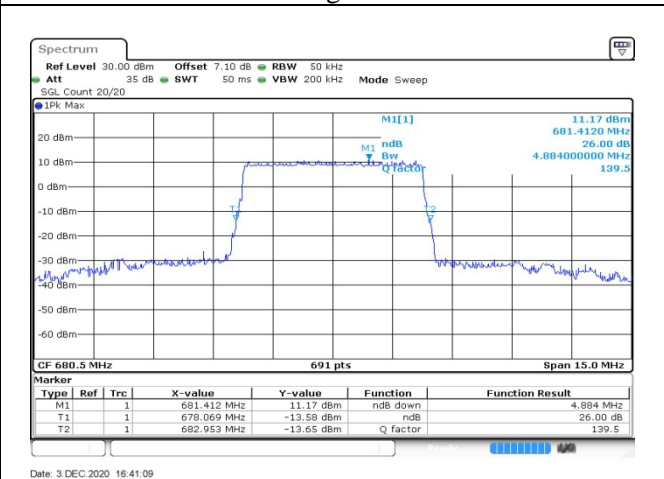
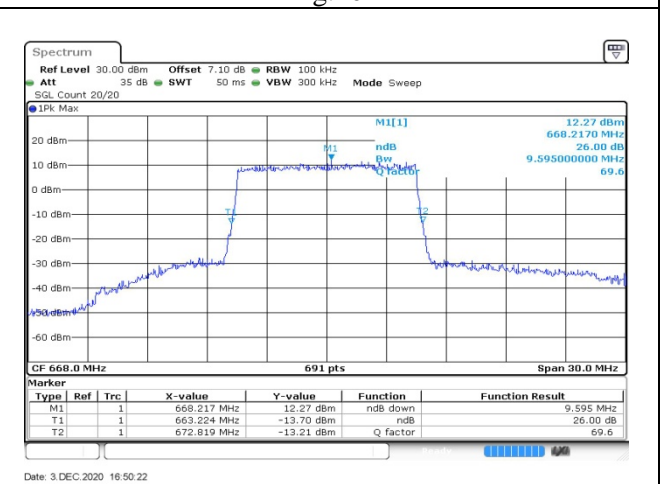
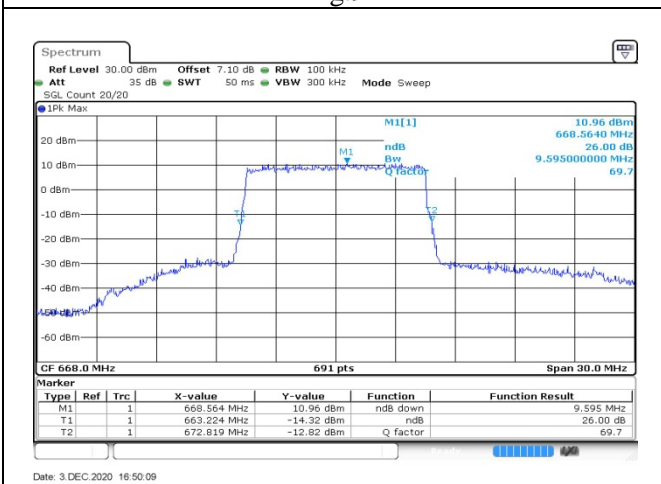
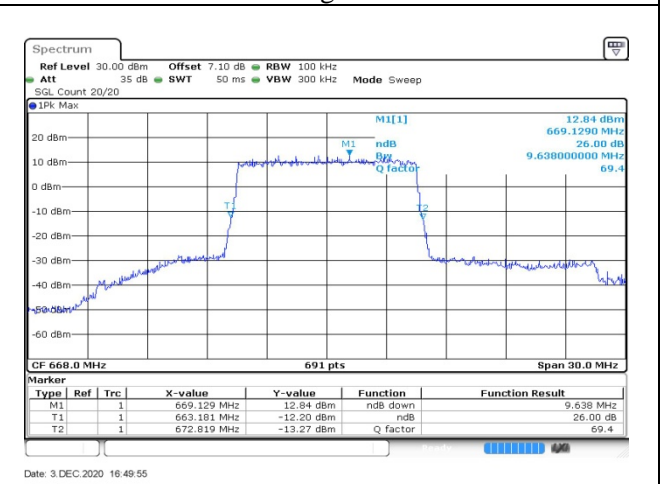
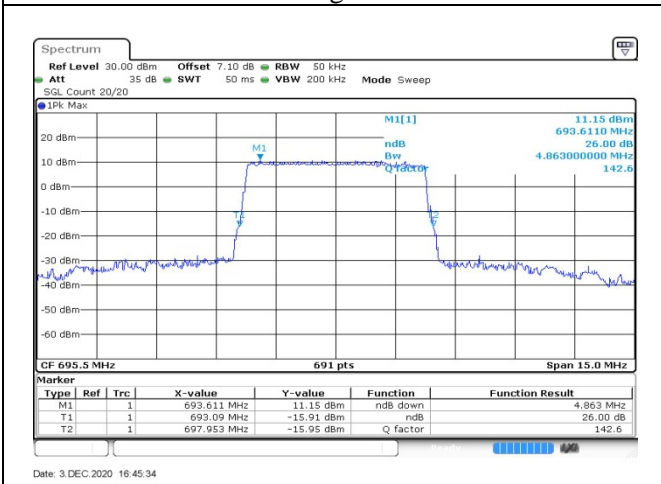
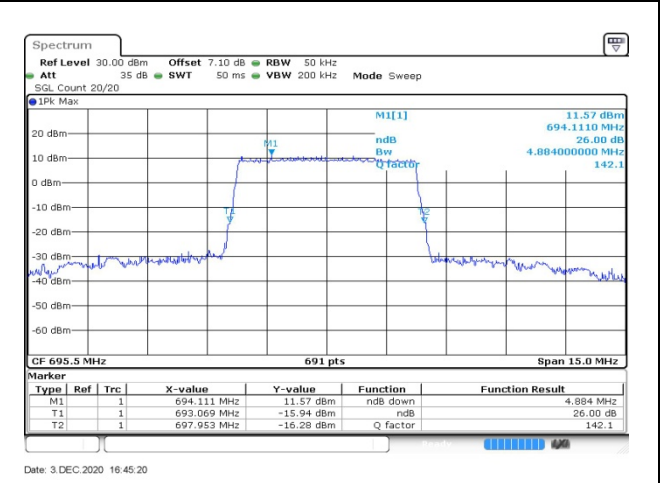
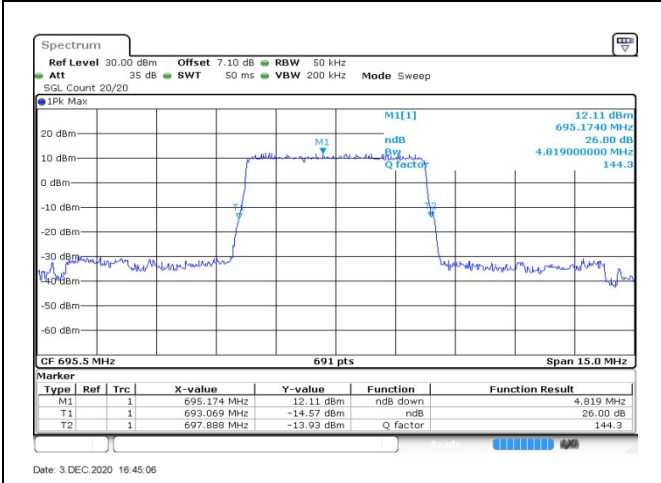


Fig.6



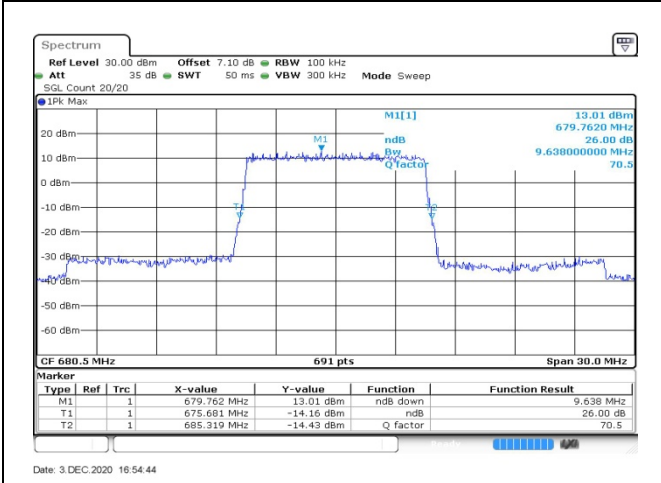


Fig.13

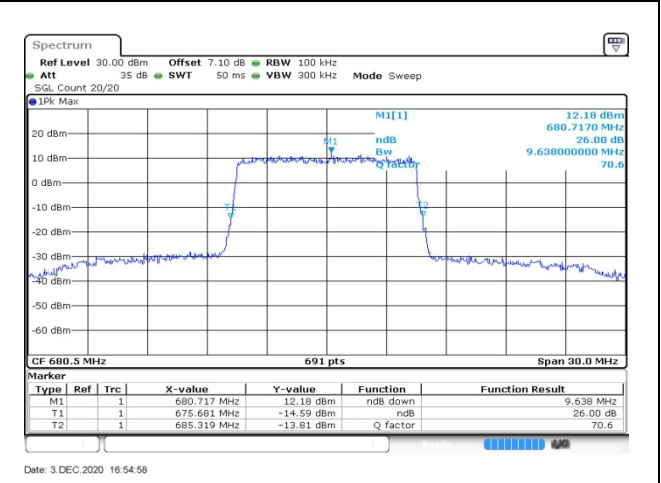


Fig.14

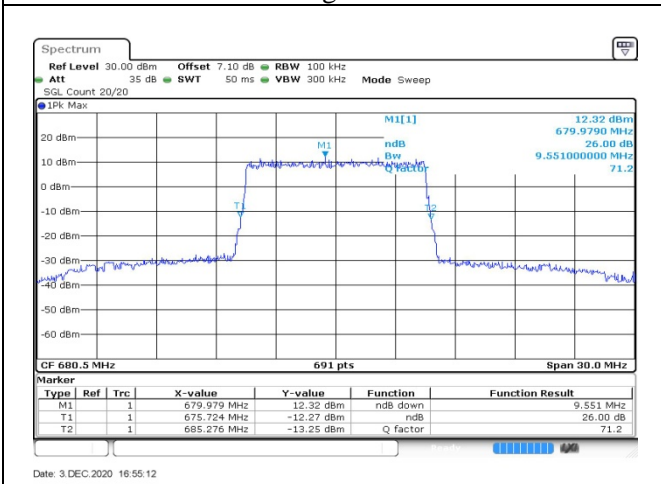


Fig.15

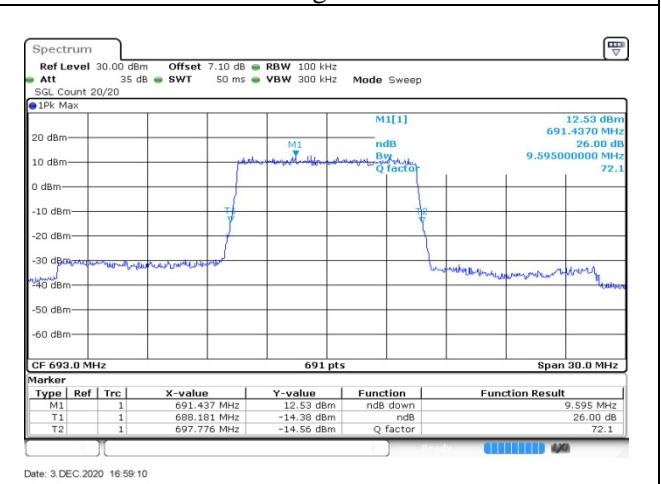


Fig.16

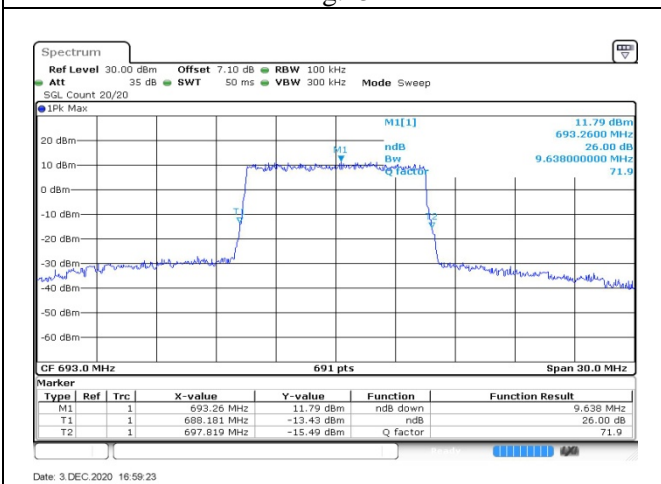


Fig.17

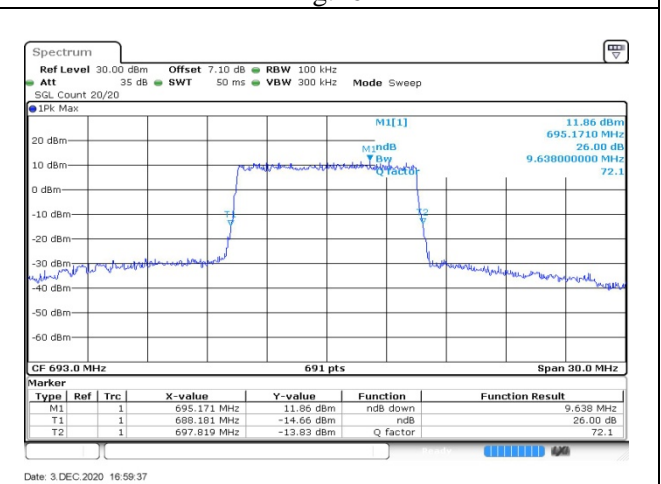


Fig.18