

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 4

RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1710.7	19957	1.4	1	0	22.48	
				1	3	22.49	
				1	5	22.55	
				3	0	22.46	
				3	1	22.46	
				3	3	22.60	
	6	0		21.46			
	1732.5	20175		1	0	22.15	
				1	3	22.21	
				1	5	22.20	
				3	0	21.61	
				3	1	21.64	
				3	3	21.63	
	6	0		20.70			
	1754.3	20393		1	0	22.44	
				1	3	22.47	
				1	5	22.54	
				3	0	22.45	
				3	1	22.44	
				3	3	22.56	
	6	0		21.45			
	16QAM	1710.7		19957	1	0	22.10
					1	3	22.09
					1	5	22.22
3					0	21.54	
3					1	21.50	
3					3	21.61	
6		0		20.42			
1732.5		20175		1	0	22.37	
				1	3	22.45	
				1	5	22.41	
				3	0	21.58	
				3	1	21.65	
				3	3	21.63	
6		0		20.57			
1754.3		20393		1	0	22.18	
				1	3	22.15	
				1	5	22.27	
				3	0	21.63	
				3	1	21.56	
				3	3	21.67	
6		0		20.46			

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1711.5	19965	3	1	0	22.40	
				1	8	22.43	
				1	14	22.42	
				8	0	21.47	
				8	4	21.45	
				8	7	21.43	
				15	0	21.45	
	1732.5	20175		1	0	22.48	
				1	8	22.54	
				1	14	22.52	
				8	0	21.41	
				8	4	21.51	
				8	7	21.51	
				15	0	21.53	
	1753.5	20385		1	0	22.62	
				1	8	22.62	
				1	14	22.57	
				8	0	21.44	
				8	4	21.47	
				8	7	21.48	
				15	0	21.45	
	16QAM	1711.5		19965	1	0	21.74
					1	8	21.70
					1	14	21.70
8					0	20.77	
8					4	20.76	
8					7	20.76	
15					0	20.66	
1732.5		20175		1	0	22.18	
				1	8	22.29	
			1	14	22.28		
			8	0	20.66		
			8	4	20.65		
			8	7	20.66		
			15	0	20.52		
1753.5		20385	1	0	21.63		
			1	8	21.73		
			1	14	21.69		
			8	0	20.89		
			8	4	20.87		
			8	7	20.83		
			15	0	20.66		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	19975	5	1	0	22.42
				1	12	22.48
				1	24	22.59
				12	0	21.59
				12	7	21.57
				12	13	21.56
				25	0	21.59
	1732.5	20175		1	0	22.57
				1	12	22.56
				1	24	22.55
				12	0	21.49
				12	7	21.43
				12	13	21.44
				25	0	21.48
	1752.5	20375		1	0	22.41
				1	12	22.36
				1	24	22.35
				12	0	21.54
				12	7	21.53
				12	13	21.52
				25	0	21.52
16QAM	1712.5	19975		1	0	20.89
				1	12	20.72
				1	24	20.85
				12	0	20.83
				12	7	20.72
				12	13	20.50
				25	0	20.88
	1732.5	20175	1	0	21.45	
			1	12	21.55	
			1	24	21.59	
			12	0	20.51	
			12	7	20.47	
			12	13	20.49	
			25	0	20.48	
	1752.5	20375	1	0	21.09	
			1	12	21.12	
			1	24	21.12	
			12	0	20.37	
			12	7	20.53	
			12	13	20.40	
			25	0	20.47	

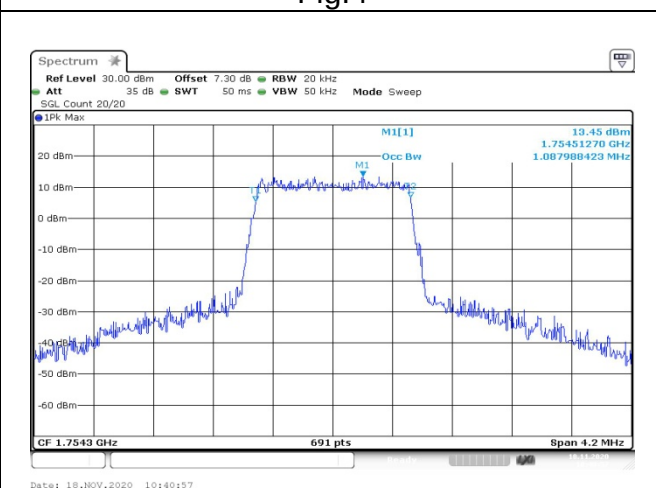
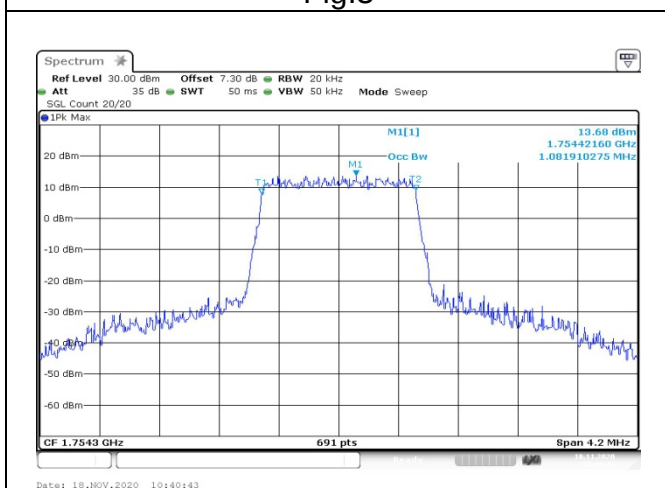
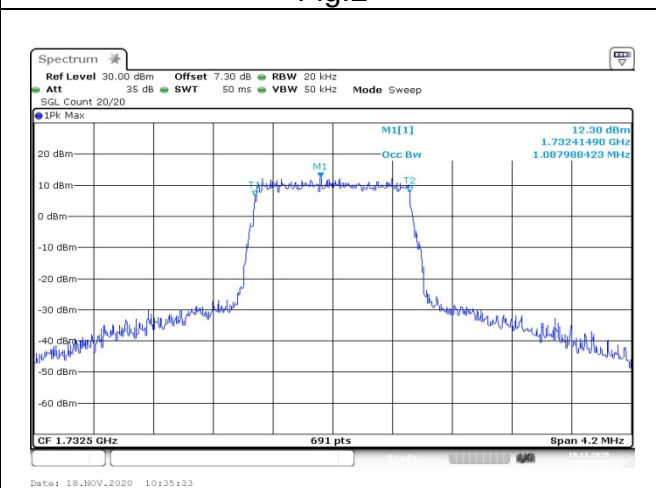
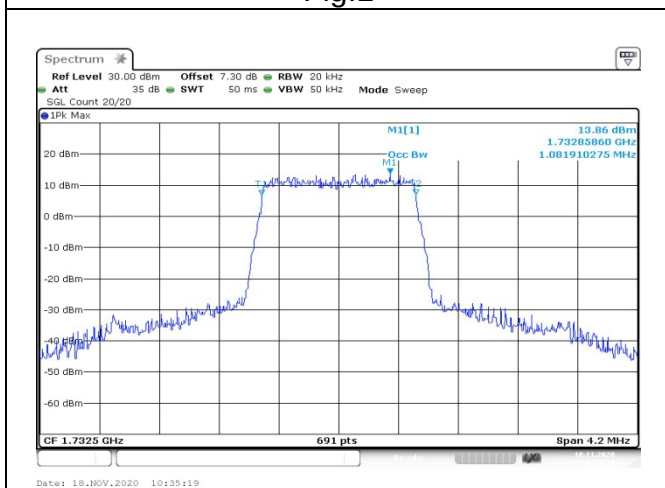
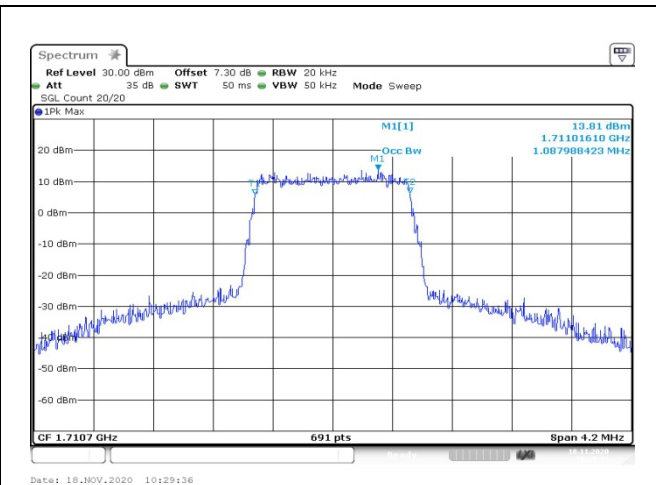
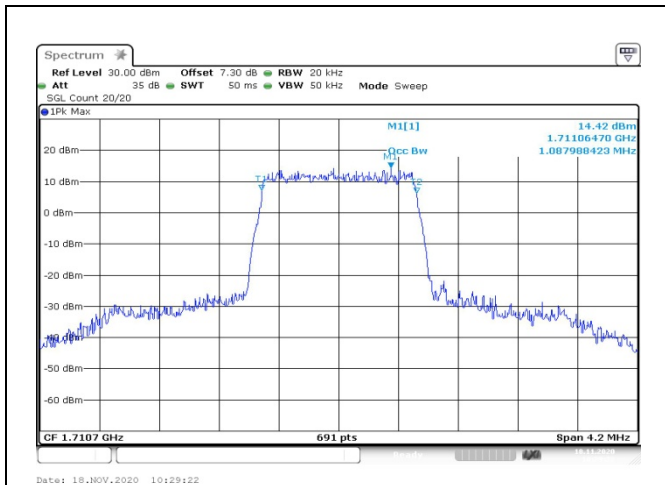
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1715	20000	10	1	0	22.53	
				1	25	22.52	
				1	49	22.52	
				25	0	21.58	
				25	12	21.63	
				25	25	21.62	
	50	0		21.54			
	1732.5	20175		1	0	22.53	
				1	25	22.51	
				1	49	22.50	
				25	0	21.55	
				25	12	21.39	
				25	25	21.40	
	50	0		21.45			
	1750	20350		1	0	22.83	
				1	25	22.69	
				1	49	22.60	
				25	0	21.47	
				25	12	21.53	
				25	25	21.53	
	50	0		21.50			
	16QAM	1715		20000	1	0	21.99
					1	25	21.97
					1	49	21.96
25					0	20.64	
25					12	20.69	
25					25	20.70	
50		0		21.09			
1732.5		20175		1	0	22.38	
				1	25	22.27	
				1	49	22.27	
				25	0	20.65	
				25	12	20.60	
				25	25	20.56	
50		0		20.60			
1750		20350		1	0	21.28	
				1	25	21.18	
				1	49	21.19	
				25	0	20.71	
				25	12	20.65	
				25	25	20.65	
50		0		20.67			

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1717.5	20025	15	1	0	22.47	
				1	37	22.47	
				1	74	22.47	
				36	0	21.58	
				36	29	21.44	
				36	30	21.45	
				75	0	21.65	
	1732.5	20175		1	0	22.54	
				1	37	22.58	
				1	74	22.57	
				36	0	21.50	
				36	29	21.54	
				36	30	21.54	
				75	0	21.60	
	1747.5	20325		1	0	22.70	
				1	37	22.68	
				1	74	22.67	
				36	0	21.55	
				36	29	21.57	
				36	30	21.57	
				75	0	21.51	
	16QAM	1717.5		20025	1	0	22.02
					1	37	22.03
					1	74	22.03
36					0	21.01	
36					29	20.59	
36					30	20.59	
75					0	20.73	
1732.5		20175		1	0	22.40	
				1	37	22.31	
				1	74	22.31	
				36	0	20.59	
				36	29	20.57	
				36	30	20.58	
				75	0	20.65	
1747.5		20325		1	0	22.02	
				1	37	21.91	
				1	74	21.83	
				36	0	20.76	
				36	29	20.58	
				36	30	20.58	
				75	0	20.55	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1732.5	20175	20	1	0	22.72
				1	49	22.68
				1	99	22.66
				50	0	21.60
				50	24	21.48
				50	50	21.47
				100	0	21.57
	1745	20300		1	0	22.64
				1	49	22.66
				1	99	22.59
				50	0	21.51
				50	24	21.51
				50	50	21.51
				100	0	21.55
16QAM	1720	20050		1	0	21.60
				1	49	21.57
				1	99	21.54
				50	0	21.19
				50	24	20.69
				50	50	20.68
				100	0	20.67
	1732.5	20175		1	0	21.77
				1	49	21.70
				1	99	21.69
				50	0	20.59
				50	24	20.59
				50	50	20.59
				100	0	20.66
	1745	20300		1	0	22.39
				1	49	22.40
				1	99	22.34
				50	0	20.73
				50	24	20.79
				50	50	20.79
				100	0	20.64

Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)			
						QPSK		16-QAM	
4	1710.7	19957	1.4	6	0	1.088	Fig.1	1.088	Fig.2
	1732.5	20175		6	0	1.082	Fig.3	1.088	Fig.4
	1754.3	20393		6	0	1.082	Fig.5	1.088	Fig.6
	1711.5	19965	3	15	0	2.683	Fig.7	2.683	Fig.8
	1732.5	20175		15	0	2.696	Fig.9	2.683	Fig.10
	1753.5	20385		15	0	2.696	Fig.11	2.696	Fig.12
	1712.5	19975	5	25	0	4.472	Fig.13	4.472	Fig.14
	1732.5	20175		25	0	4.472	Fig.15	4.472	Fig.16
	1752.5	20375		25	0	4.472	Fig.17	4.472	Fig.18
	1715	20000	10	50	0	8.900	Fig.19	8.944	Fig.20
	1732.5	20175		50	0	8.944	Fig.21	8.944	Fig.22
	1750	20350		50	0	8.900	Fig.23	8.900	Fig.24
	1717.5	20025	15	75	0	13.415	Fig.25	13.415	Fig.26
	1732.5	20175		75	0	13.415	Fig.27	13.415	Fig.28
	1747.5	20325		75	0	13.415	Fig.29	13.415	Fig.30
	1720	20050	20	100	0	17.887	Fig.31	17.887	Fig.32
	1732.5	20175		100	0	17.887	Fig.33	17.800	Fig.34
	1745	20300		100	0	17.887	Fig.35	17.887	Fig.36



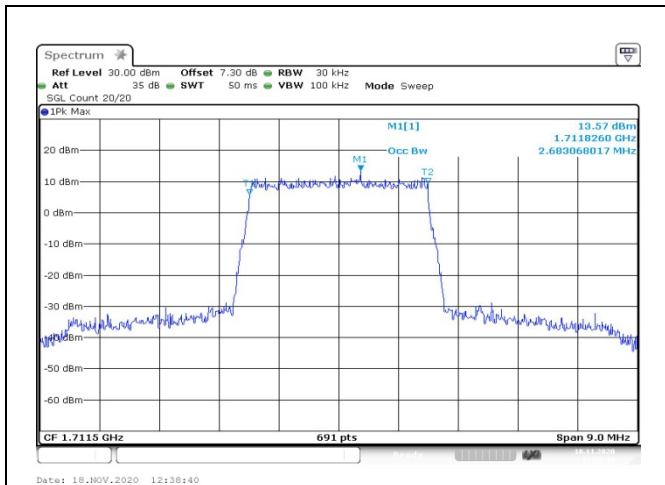


Fig.7

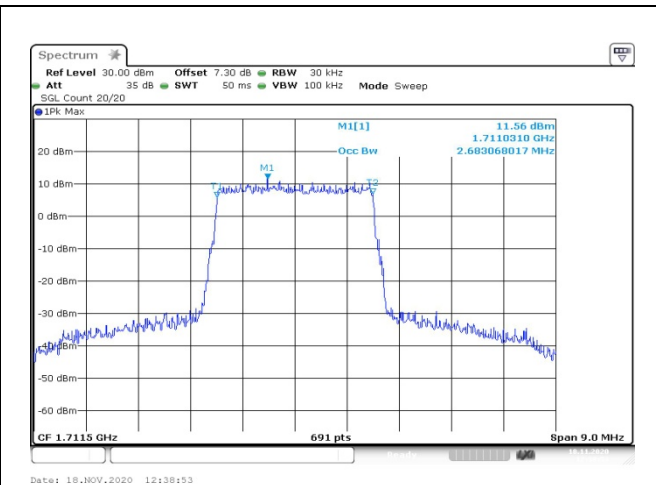


Fig.8

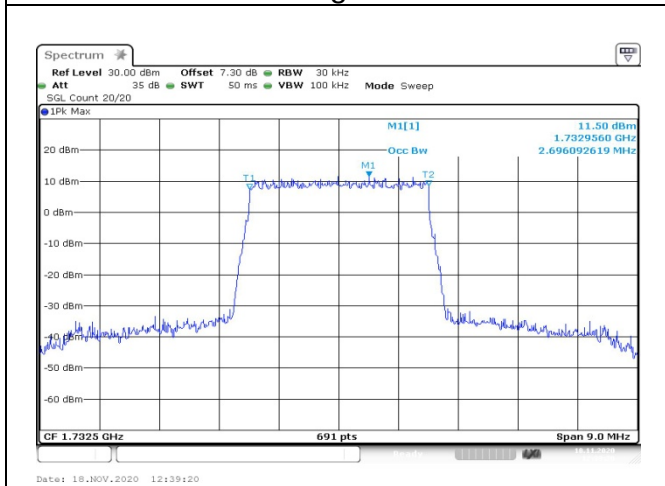


Fig.9

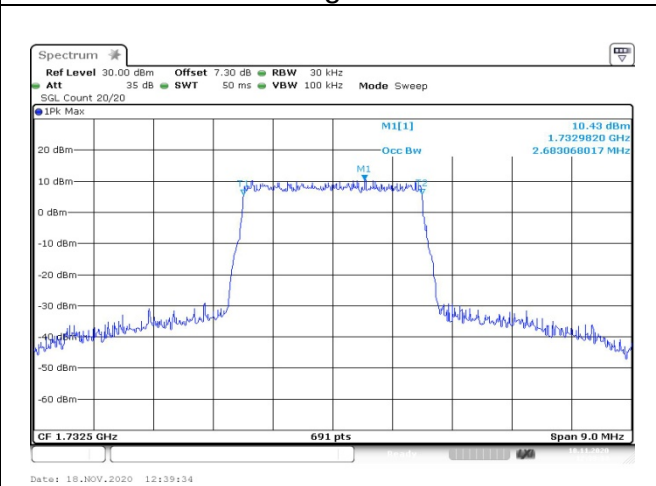


Fig.10

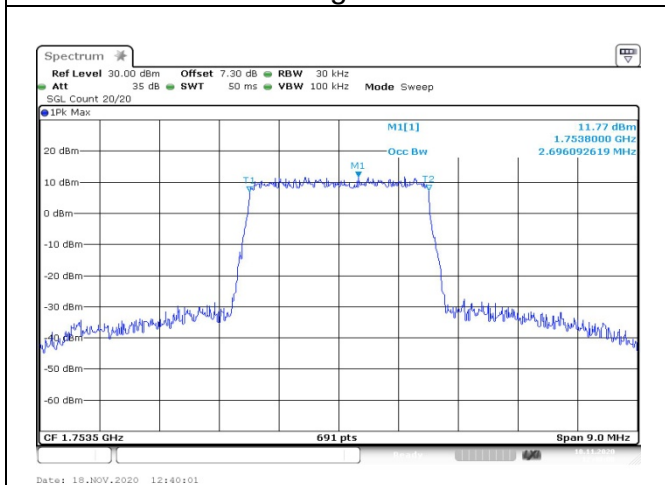


Fig.11

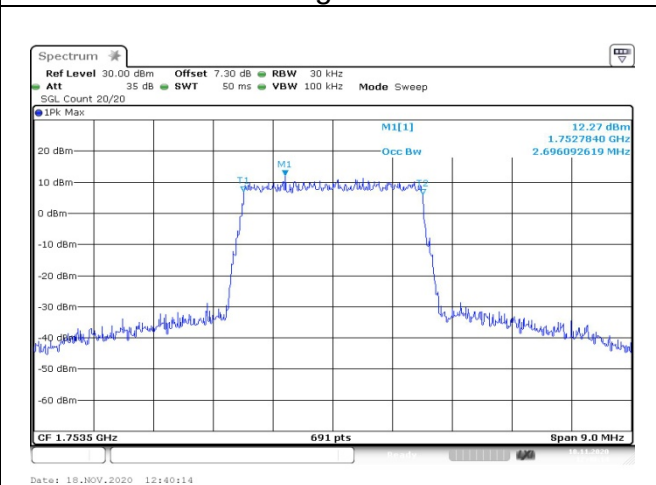


Fig.12

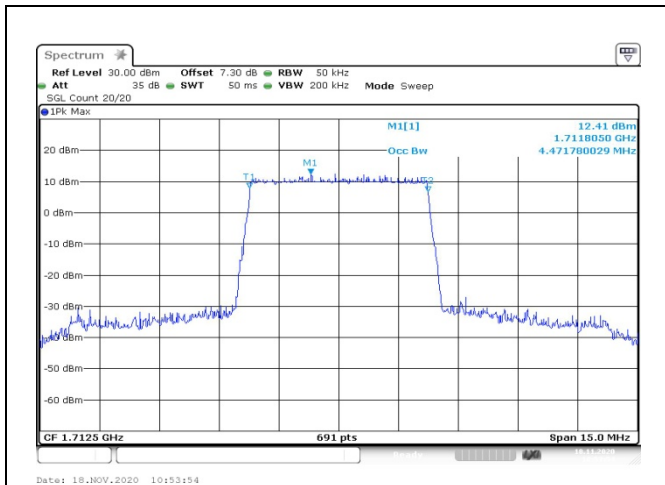


Fig.13

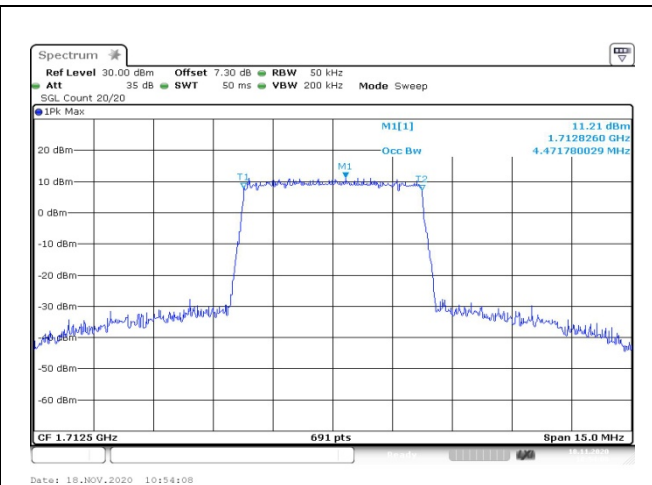


Fig.14

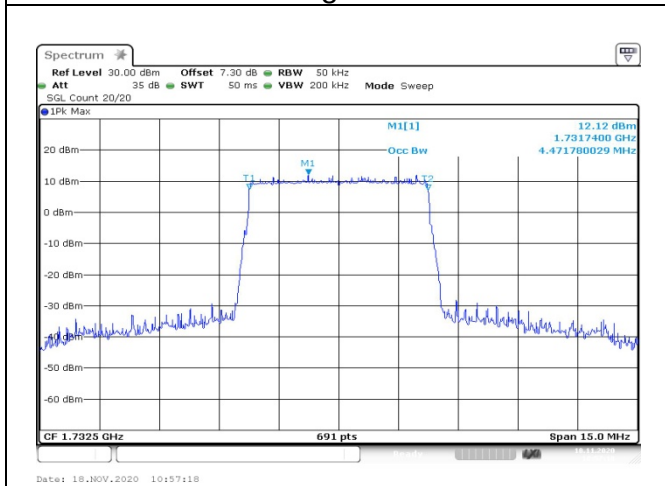


Fig.15

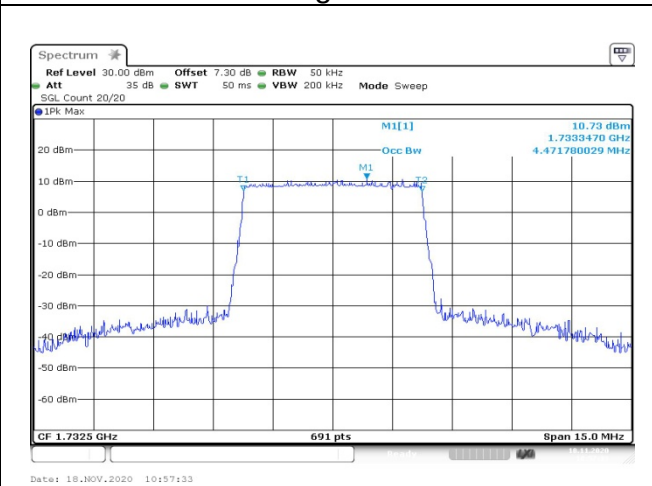


Fig.16

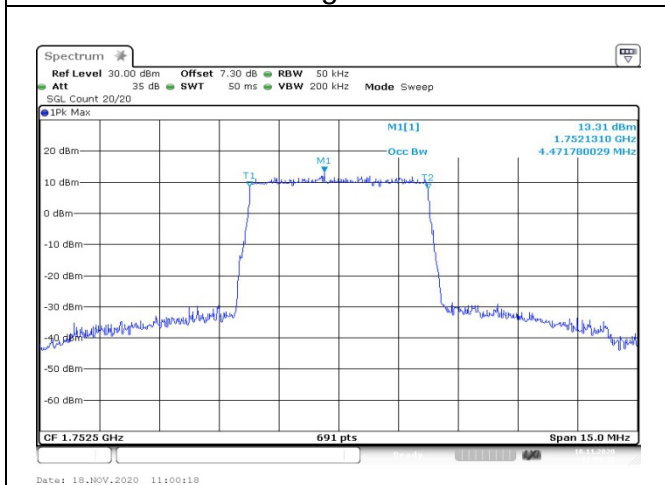


Fig.17

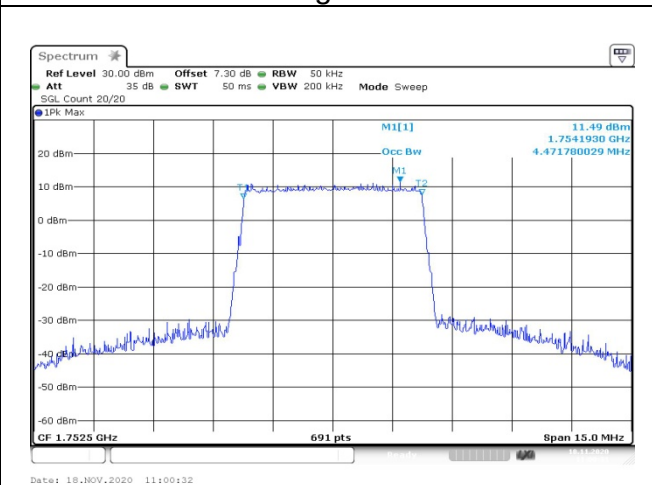


Fig.18

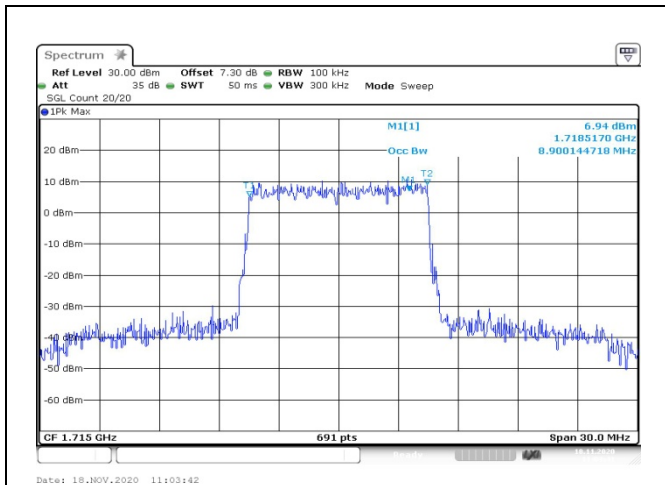


Fig.19

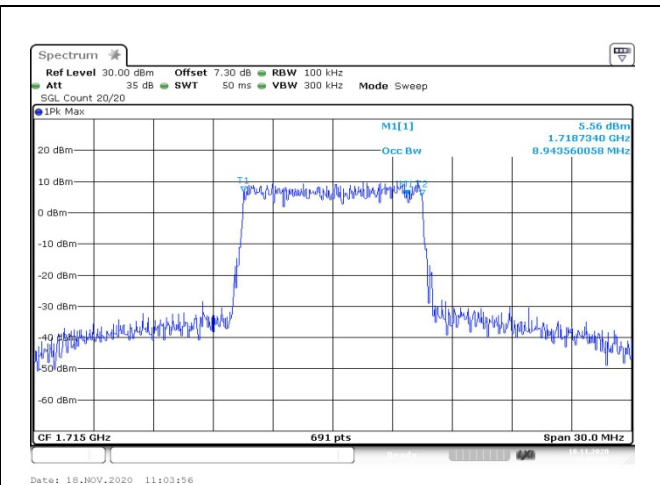


Fig.20

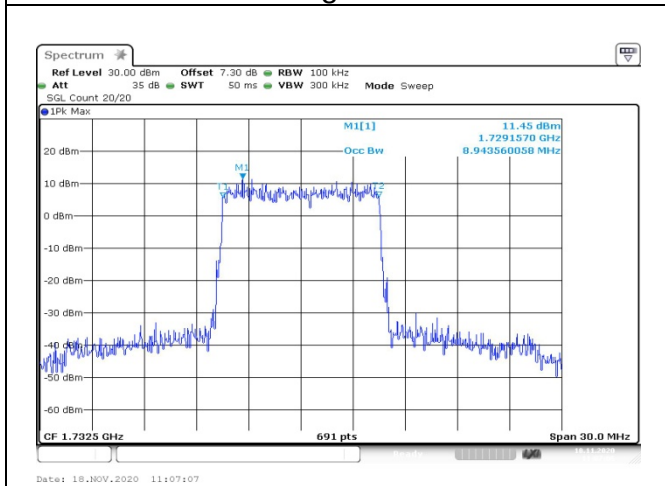


Fig.21

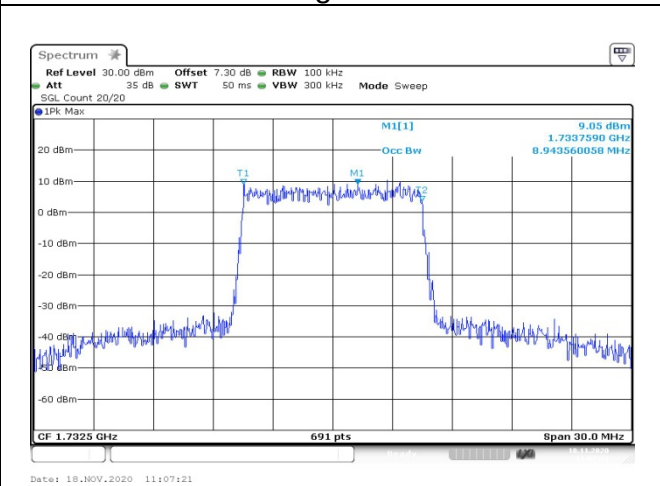


Fig.22

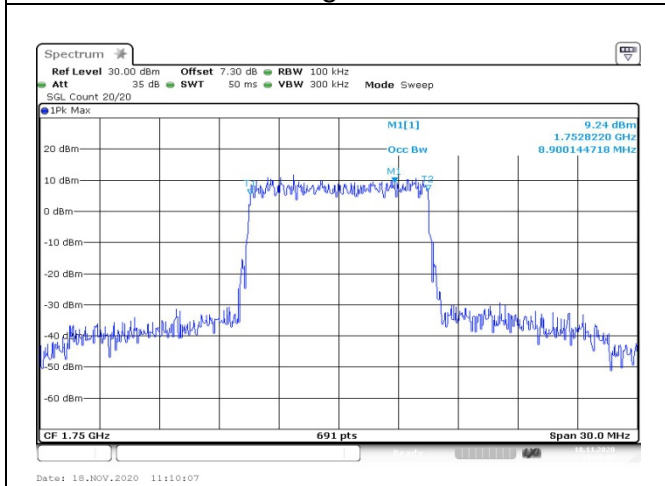


Fig.23

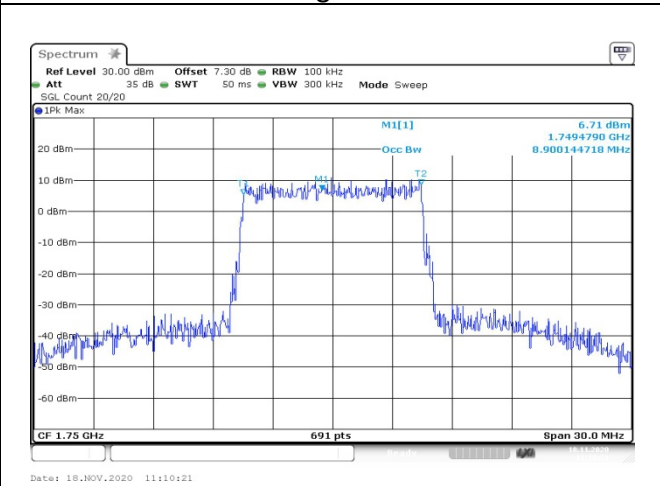


Fig.24

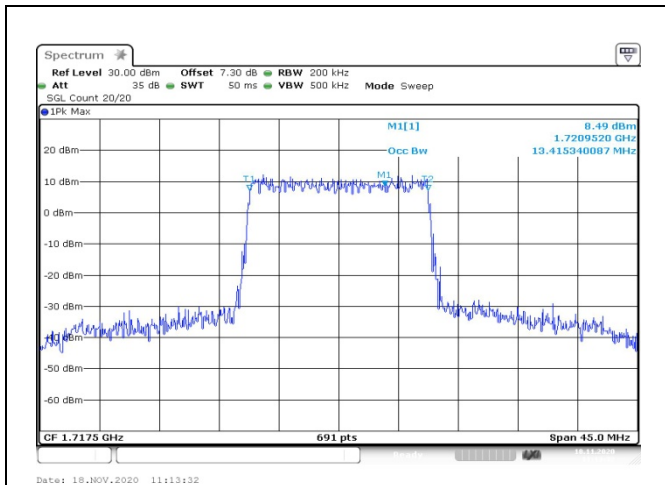


Fig.25

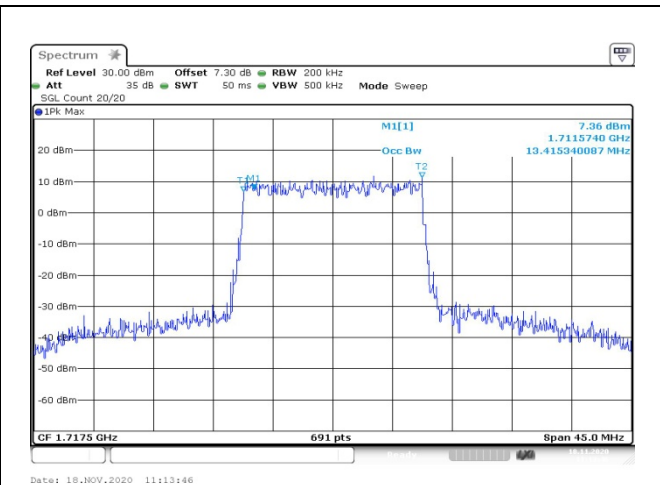


Fig.26

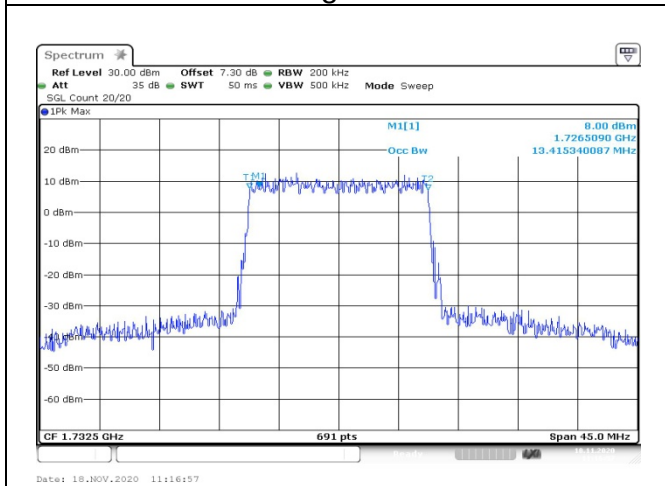


Fig.27

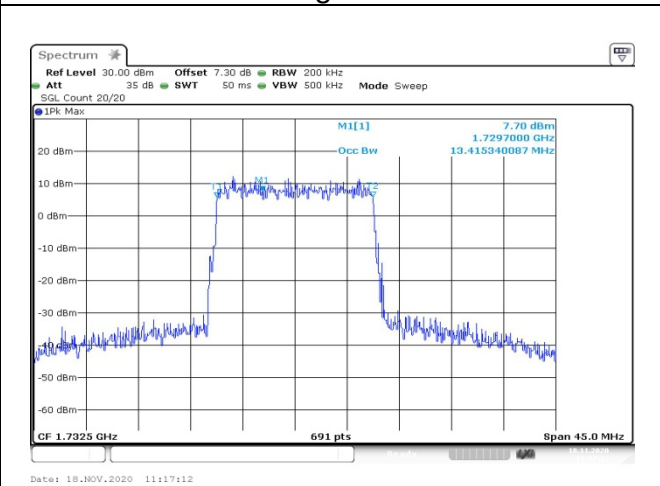


Fig.28

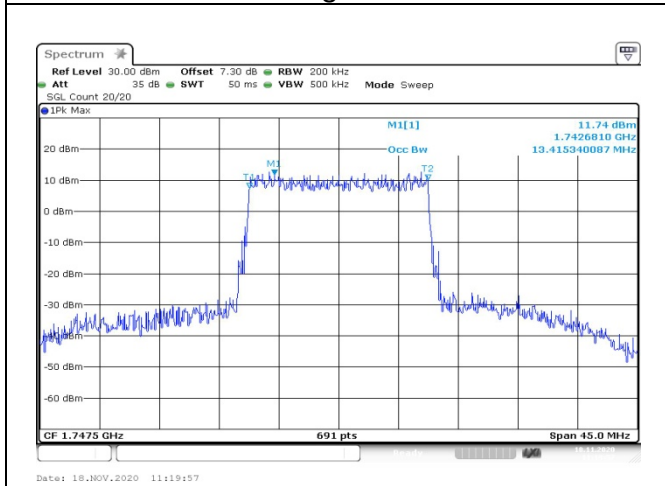


Fig.29

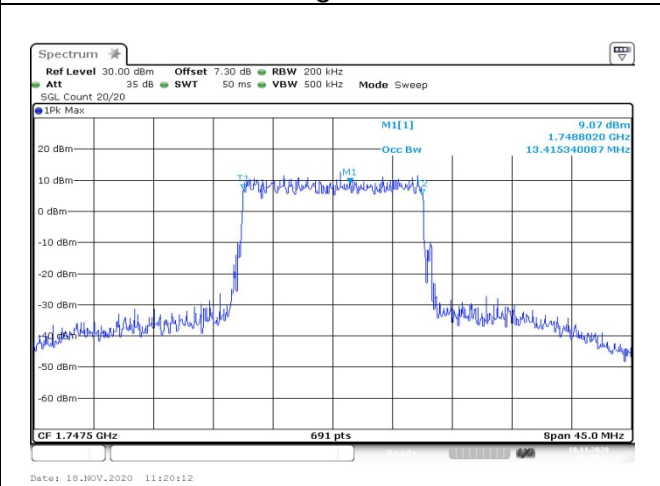


Fig.30

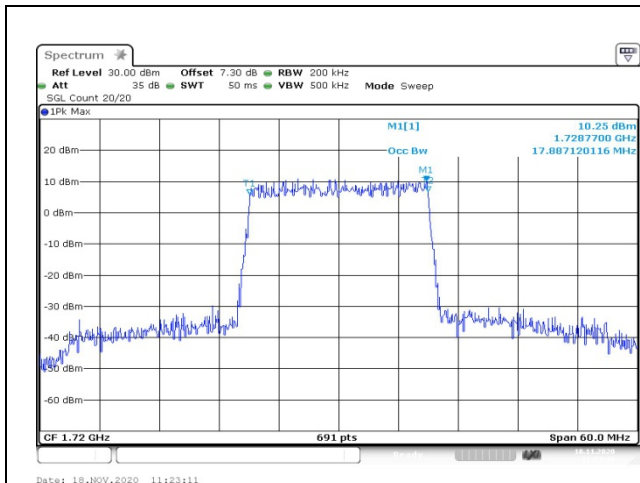


Fig.31

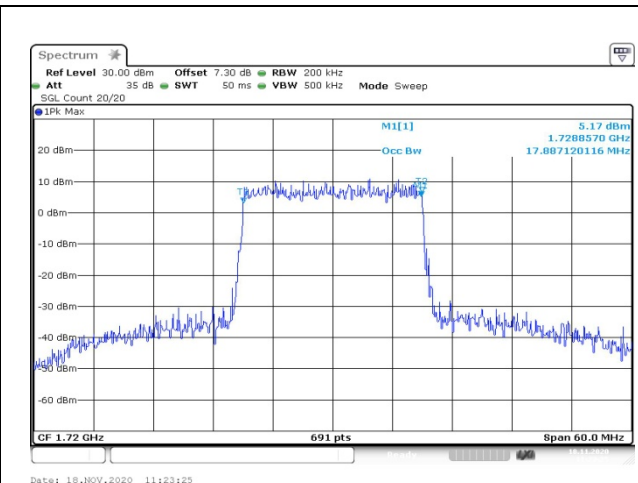


Fig.32

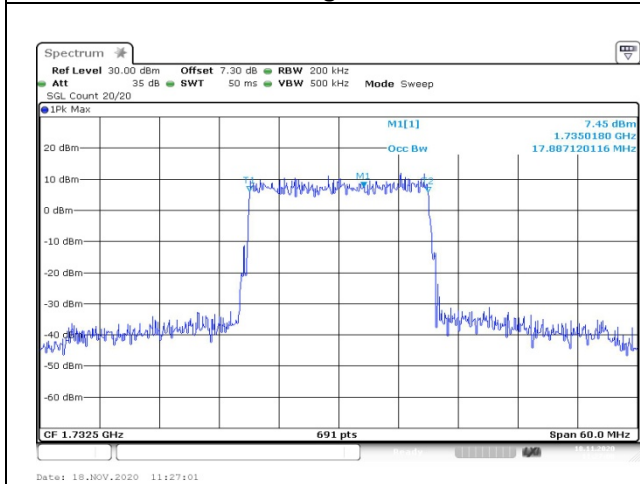


Fig.33

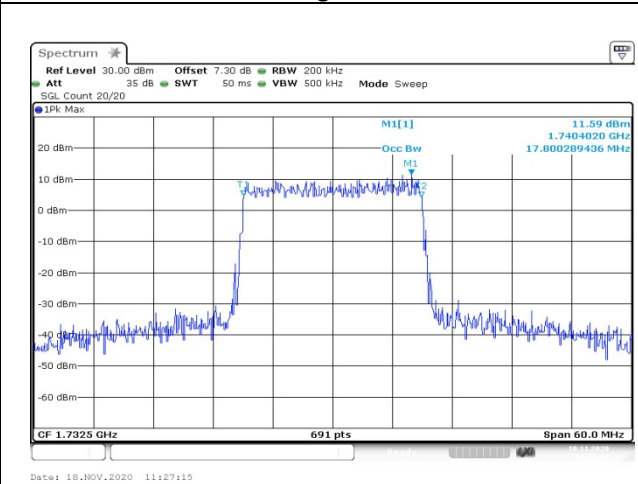


Fig.34

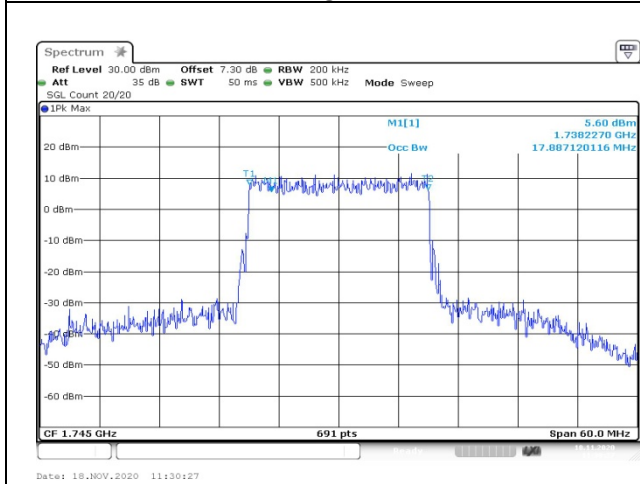


Fig.35

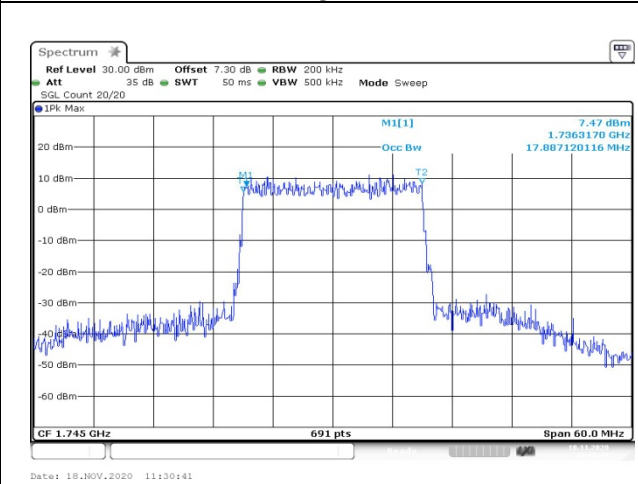


Fig.36

Emission Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)			
						QPSK		16-QAM	
4	1710.7	19957	1.4	6	0	1.228	Fig.1	1.222	Fig.2
	1732.5	20175		6	0	1.228	Fig.3	1.234	Fig.4
	1754.3	20393		6	0	1.228	Fig.5	1.240	Fig.6
	1711.5	19965	3	15	0	2.970	Fig.7	2.983	Fig.8
	1732.5	20175		15	0	2.983	Fig.9	2.983	Fig.10
	1753.5	20385		15	0	2.970	Fig.11	2.970	Fig.12
	1712.5	19975	5	25	0	4.863	Fig.13	4.841	Fig.14
	1732.5	20175		25	0	4.841	Fig.15	4.884	Fig.16
	1752.5	20375		25	0	4.884	Fig.17	4.906	Fig.18
	1715	20000	10	50	0	9.725	Fig.19	9.682	Fig.20
	1732.5	20175		50	0	9.638	Fig.21	9.768	Fig.22
	1750	20350		50	0	9.768	Fig.23	9.725	Fig.24
	1717.5	20025	15	75	0	14.848	Fig.25	14.718	Fig.26
	1732.5	20175		75	0	14.718	Fig.27	14.718	Fig.28
	1747.5	20325		75	0	14.848	Fig.29	14.653	Fig.30
	1720	20050	20	100	0	19.276	Fig.31	19.450	Fig.32
	1732.5	20175		100	0	19.276	Fig.33	19.450	Fig.34
	1745	20300		100	0	19.363	Fig.35	19.363	Fig.36

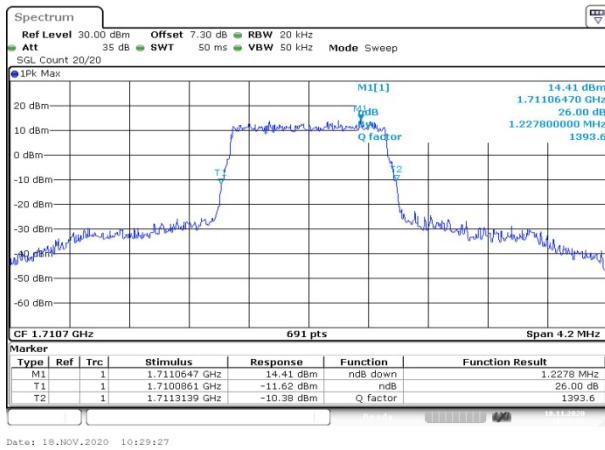


Fig.1

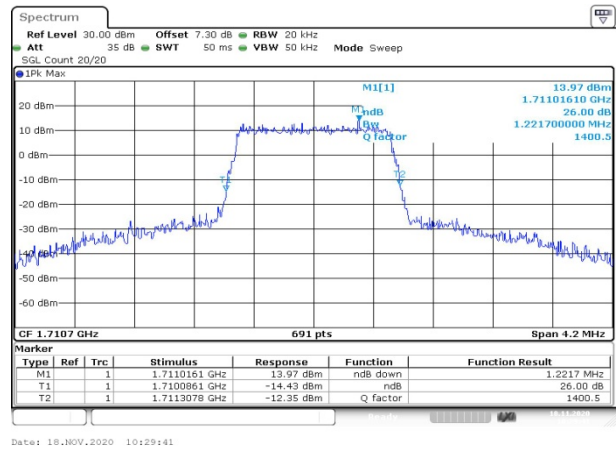


Fig.2

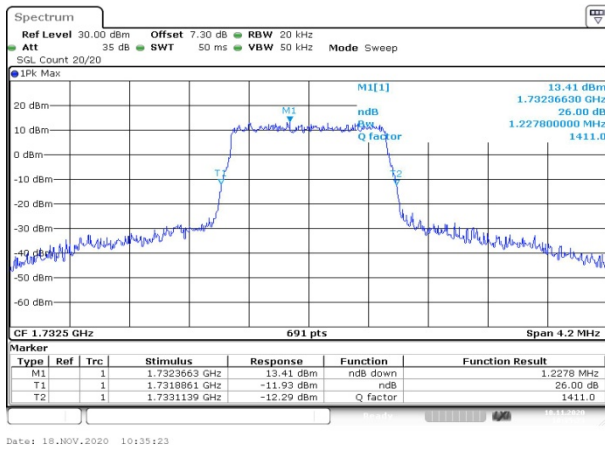


Fig.3

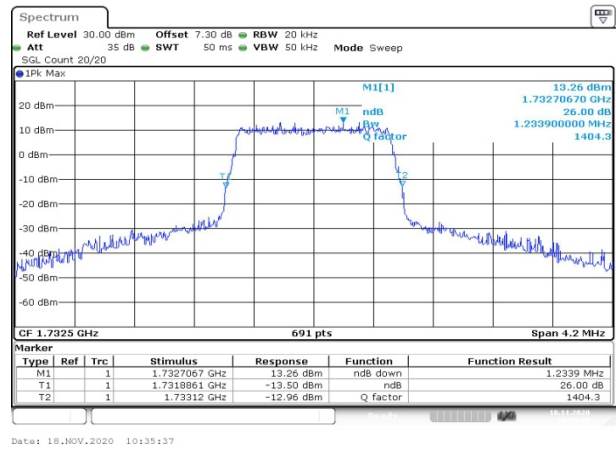


Fig.4

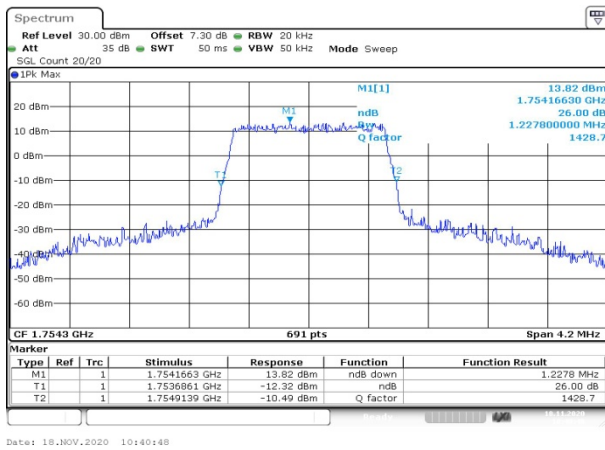


Fig.5

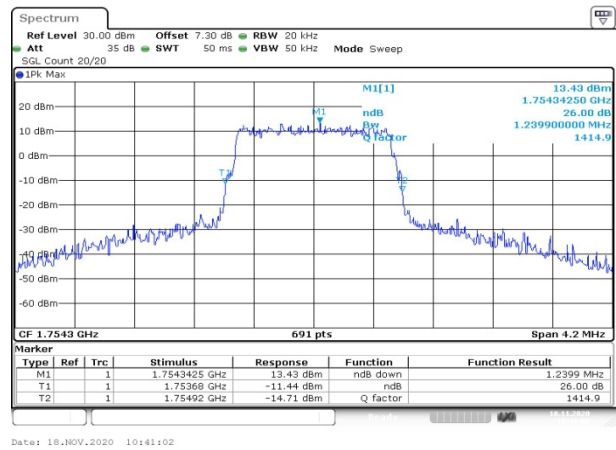


Fig.6

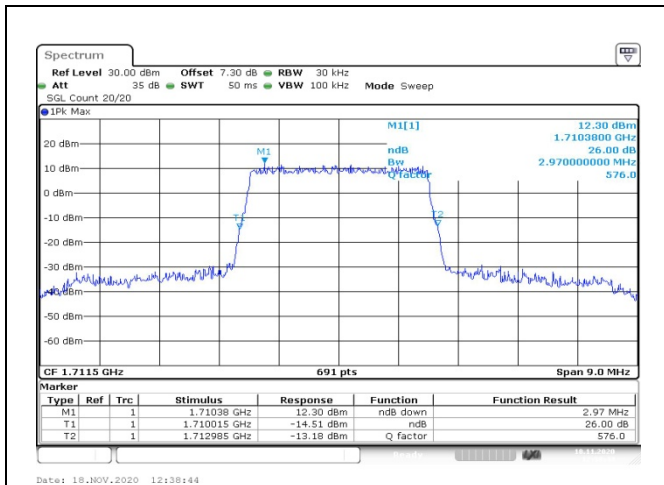


Fig.7

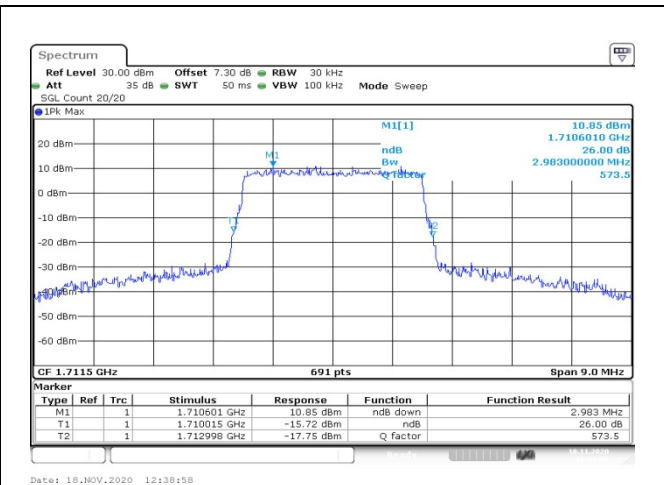


Fig.8

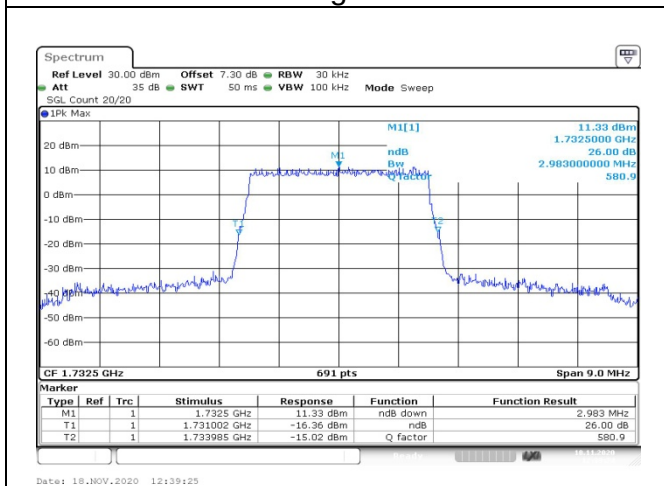


Fig.9

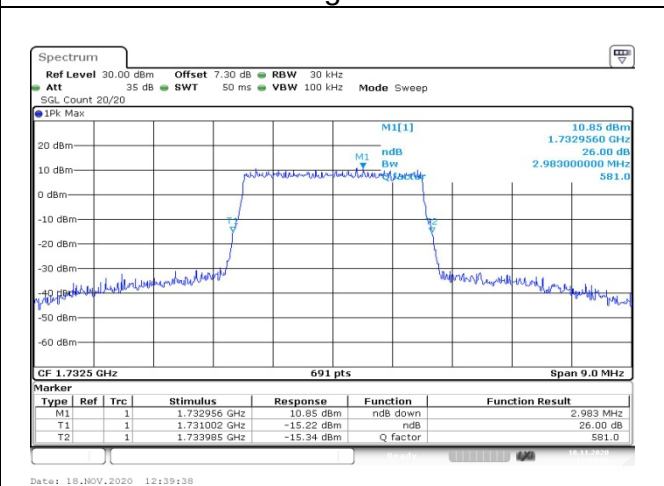


Fig.10

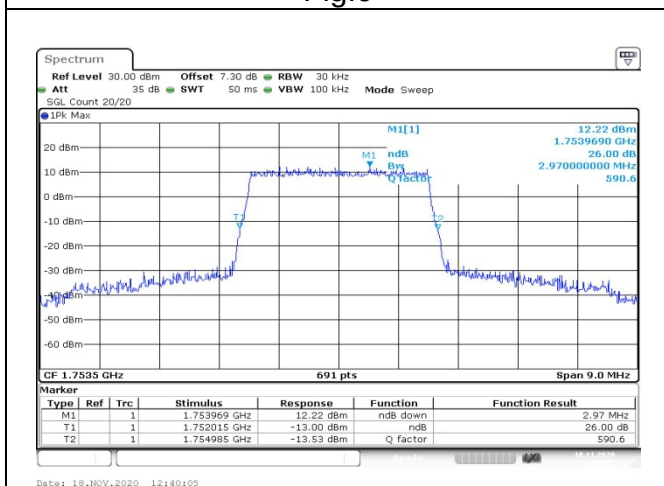


Fig.11

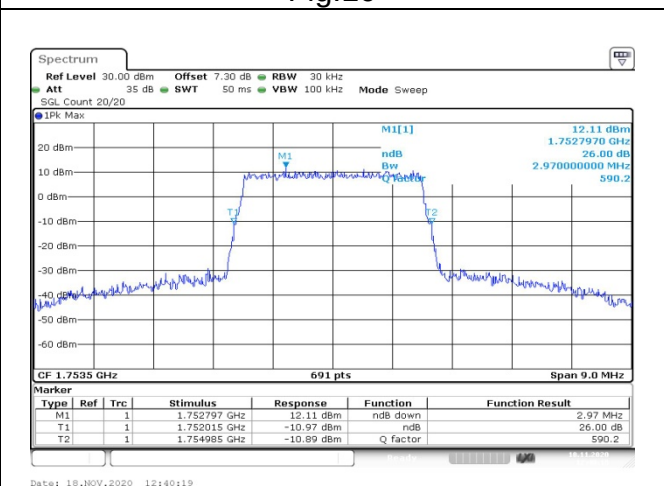


Fig.12