

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 66

1 RF Power Output

RF Power Output							
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1710.7	131979	1.4	1	0	23.06	
				1	3	23.00	
				1	5	23.05	
				3	0	23.20	
				3	1	23.20	
				3	3	23.32	
	6	0		22.13			
	1755	132422		1	0	23.19	
				1	3	23.13	
				1	5	23.12	
				3	0	23.15	
				3	1	23.16	
				3	3	23.15	
	6	0		22.08			
	1779.3	132665		1	0	23.42	
				1	3	23.44	
				1	5	23.46	
				3	0	23.48	
				3	1	23.60	
				3	3	23.58	
	6	0		22.47			
	16QAM	1710.7		131979	1	0	21.75
					1	3	21.75
					1	5	21.63
3			0		22.26		
3			1		22.27		
3			3		22.26		
6		0	21.43				
1755		132422	1	0	22.19		
			1	3	22.33		
			1	5	21.87		
			3	0	22.00		
			3	1	21.86		
			3	3	21.95		
6		0	21.28				
1779.3		132665	1	0	22.34		
			1	3	22.39		
			1	5	22.42		
			3	0	22.57		
			3	1	22.54		
			3	3	22.63		
6		0	21.72				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1710.7	131979	1.4	1	0	21.36
				1	3	21.44
				1	5	21.44
				3	0	21.44
				3	1	21.43
				3	3	21.42
				6	0	21.42
	1755	132422		1	0	21.28
				1	3	21.35
				1	5	21.23
				3	0	21.20
				3	1	21.23
				3	3	21.35
				6	0	21.27
	1779.3	132665		1	0	21.73
				1	3	21.53
				1	5	21.53
				3	0	21.53
				3	1	21.53
				3	3	21.52
				6	0	21.53

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	131987	3	1	0	23.03
				1	8	23.00
				1	14	23.05
				8	0	22.04
				8	4	22.06
				8	7	22.05
				15	0	22.04
	1755	132422		1	0	23.12
				1	8	23.15
				1	14	23.11
				8	0	22.06
				8	4	22.06
				8	7	22.06
				15	0	22.05
	1778.5	132657		1	0	23.08
				1	8	23.06
				1	14	23.07
				8	0	22.01
				8	4	22.03
				8	7	22.04
				15	0	22.01
16QAM	1711.5	131987	1	0	22.60	
			1	8	22.46	
			1	14	22.46	
			8	0	21.45	
			8	4	21.50	
			8	7	21.50	
			15	0	21.23	
	1755	132422	1	0	21.81	
			1	8	21.83	
			1	14	22.16	
			8	0	21.37	
			8	4	21.38	
			8	7	21.38	
			15	0	21.22	
	1778.5	132657	1	0	22.48	
			1	8	22.68	
			1	14	22.62	
			8	0	21.50	
			8	4	21.69	
			8	7	21.68	
			15	0	21.60	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1711.5	131987	3	1	0	21.22
				1	8	21.27
				1	14	21.21
				8	0	21.21
				8	4	21.21
				8	7	21.21
				15	0	21.21
	1755	132422		1	0	21.32
				1	8	21.33
				1	14	21.23
				8	0	21.22
				8	4	21.23
				8	7	21.22
				15	0	21.18
	1778.5	132657		1	0	21.58
				1	8	21.57
				1	14	21.61
				8	0	21.60
				8	4	21.59
				8	7	21.58
				15	0	21.58

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	131997	5	1	0	23.09
				1	12	23.06
				1	24	23.02
				12	0	22.10
				12	7	22.11
				12	13	22.11
				25	0	22.09
	1755	132422		1	0	23.01
				1	12	23.02
				1	24	23.08
				12	0	22.16
				12	7	22.16
				12	13	22.15
				25	0	22.15
	1777.5	132647		1	0	22.82
				1	12	23.27
				1	24	23.22
				12	0	22.28
				12	7	22.42
				12	13	22.41
				25	0	22.28
16QAM	1712.5	131997		1	0	21.84
				1	12	21.79
				1	24	21.90
				12	0	21.17
				12	7	21.06
				12	13	21.22
				25	0	21.32
	1755	132422	1	0	21.80	
			1	12	21.70	
			1	24	21.83	
			12	0	21.11	
			12	7	21.20	
			12	13	21.08	
			25	0	21.32	
	1777.5	132647	1	0	22.11	
			1	12	22.54	
			1	24	22.56	
			12	0	21.35	
			12	7	21.53	
			12	13	21.53	
			25	0	21.48	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1712.5	131997	5	1	0	21.31
				1	12	21.31
				1	24	21.31
				12	0	21.31
				12	7	21.30
				12	13	21.30
				25	0	21.31
	1755	132422		1	0	21.31
				1	12	21.31
				1	24	21.31
				12	0	21.11
				12	7	21.10
				12	13	21.32
				25	0	21.32
	1777.5	132647		1	0	21.20
				1	12	21.20
				1	24	21.37
				12	0	21.35
				12	7	21.35
				12	13	21.46
				25	0	21.47

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	132022	10	1	0	23.10
				1	25	22.65
				1	49	22.61
				25	0	22.12
				25	12	21.81
				25	25	21.91
				50	0	22.10
	1755	132422		1	0	23.09
				1	25	23.09
				1	49	23.12
				25	0	22.07
				25	12	22.11
				25	25	22.09
				50	0	22.17
	1775	132622		1	0	22.88
				1	25	23.34
				1	49	23.40
				25	0	22.07
				25	12	22.16
				25	25	22.20
				50	0	22.11
16QAM	1715	132022	1	0	22.08	
			1	25	21.63	
			1	49	21.59	
			25	0	21.38	
			25	12	21.03	
			25	25	21.09	
			50	0	21.11	
	1755	132422	1	0	21.77	
			1	25	21.81	
			1	49	21.81	
			25	0	21.24	
			25	12	21.28	
			25	25	21.27	
			50	0	21.18	
	1775	132622	1	0	21.59	
			1	25	22.04	
			1	49	22.03	
			25	0	21.31	
			25	12	21.58	
			25	25	21.57	
			50	0	21.19	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1715	132022	10	1	0	21.24
				1	25	21.24
				1	49	21.16
				25	0	21.17
				25	12	21.20
				25	25	21.17
				50	0	21.16
	1755	132422		1	0	21.30
				1	25	21.30
				1	49	21.25
				25	0	21.29
				25	12	21.29
				25	25	21.29
				50	0	21.17
	1775	132622		1	0	21.19
				1	25	21.20
				1	49	21.07
				25	0	21.20
				25	12	21.20
				25	25	21.20
				50	0	21.20

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	132047	15	1	0	22.96
				1	37	22.76
				1	74	22.64
				36	0	22.19
				36	29	21.81
				36	30	21.79
				75	0	21.88
	1755	132422		1	0	23.27
				1	37	23.21
				1	74	23.20
				36	0	22.15
				36	29	22.08
				36	30	22.08
				75	0	22.10
	1772.5	132597		1	0	23.04
				1	37	23.38
				1	74	23.35
				36	0	21.98
				36	29	22.24
				36	30	22.24
				75	0	22.05
16QAM	1717.5	132047	1	0	22.62	
			1	37	22.38	
			1	74	22.37	
			36	0	21.18	
			36	29	20.88	
			36	30	20.88	
			75	0	21.02	
	1755	132422	1	0	22.76	
			1	37	22.63	
			1	74	22.62	
			36	0	21.20	
			36	29	21.23	
			36	30	21.30	
			75	0	21.14	
	1772.5	132597	1	0	22.63	
			1	37	22.70	
			1	74	22.70	
			36	0	21.25	
			36	29	21.37	
			36	30	21.37	
			75	0	21.12	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1717.5	132047	15	1	0	21.02
				1	37	21.03
				1	74	21.03
				36	0	21.03
				36	29	21.03
				36	30	21.01
				75	0	21.02
	1755	132422		1	0	21.06
				1	37	21.09
				1	74	21.06
				36	0	21.10
				36	29	21.18
				36	30	21.14
				75	0	21.17
	1772.5	132597		1	0	21.25
				1	37	21.13
				1	74	21.13
				36	0	21.13
				36	29	21.13
				36	30	21.13
				75	0	21.13

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	132072	20	1	0	23.11
				1	49	22.88
				1	99	22.94
				50	0	22.12
				50	24	21.91
				50	50	21.90
				100	0	21.72
	1755	132422		1	0	23.03
				1	49	23.14
				1	99	23.10
				50	0	22.04
				50	24	22.07
				50	50	22.08
				100	0	22.05
	1770	132572		1	0	23.16
				1	49	23.47
				1	99	23.49
				50	0	22.13
				50	24	22.01
				50	50	22.00
100				0	22.14	
16QAM	1720	132072		1	0	22.55
				1	49	22.20
				1	99	22.15
				50	0	21.30
				50	24	21.11
				50	50	21.11
				100	0	20.87
	1755	132422	1	0	22.47	
			1	49	22.68	
			1	99	22.67	
			50	0	21.08	
			50	24	21.22	
			50	50	21.22	
			100	0	21.27	
	1770	132572	1	0	22.92	
			1	49	23.13	
			1	99	23.12	
			50	0	21.23	
			50	24	21.06	
			50	50	21.06	
100	0	21.21				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1720	132072	20	1	0	20.87
				1	49	20.88
				1	99	20.88
				50	0	20.88
				50	24	20.88
				50	50	20.88
				100	0	20.88
	1755	132422		1	0	21.26
				1	49	21.27
				1	99	21.27
				50	0	21.26
				50	24	21.26
				50	50	21.26
				100	0	21.27
	1770	132572		1	0	21.21
				1	49	21.21
				1	99	21.21
				50	0	21.20
				50	24	21.17
				50	50	21.21
				100	0	21.21

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
66	1710.7	131979	1.4	6	0	1.082	Fig.1	1.088	Fig.2	1.088	Fig.3
	1755	132422		6	0	1.082	Fig.4	1.088	Fig.5	1.094	Fig.6
	1779.3	132665		6	0	1.082	Fig.7	1.088	Fig.8	1.082	Fig.9
	1711.5	131987	3	15	0	2.683	Fig.10	2.683	Fig.11	2.683	Fig.12
	1755	132422		15	0	2.683	Fig.13	2.683	Fig.14	2.683	Fig.15
	1778.5	132657		15	0	2.683	Fig.16	2.683	Fig.17	2.683	Fig.18
	1712.5	131997	5	25	0	4.472	Fig.19	4.472	Fig.20	4.493	Fig.21
	1755	132422		25	0	4.472	Fig.22	4.472	Fig.23	4.472	Fig.24
	1777.5	132647		25	0	4.472	Fig.25	4.472	Fig.26	4.472	Fig.27
	1715	132022	10	50	0	8.944	Fig.28	8.944	Fig.29	8.944	Fig.30
	1755	132422		50	0	8.987	Fig.31	8.944	Fig.32	8.944	Fig.33
	1775	132622		50	0	8.944	Fig.34	8.944	Fig.35	8.944	Fig.36
	1717.5	132047	15	75	0	13.480	Fig.37	13.480	Fig.38	13.480	Fig.39
	1755	132422		75	0	13.415	Fig.40	13.415	Fig.41	13.415	Fig.42
	1772.5	132597		75	0	13.415	Fig.43	13.415	Fig.44	13.415	Fig.45
	1720	132072	20	100	0	17.887	Fig.46	17.887	Fig.47	17.887	Fig.48
	1755	132422		100	0	17.887	Fig.49	17.974	Fig.50	17.887	Fig.51
	1770	132572		100	0	17.887	Fig.52	17.887	Fig.53	17.887	Fig.54

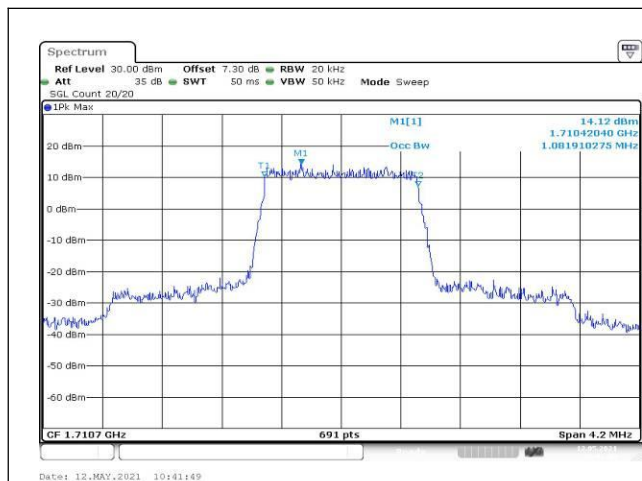


Fig.1

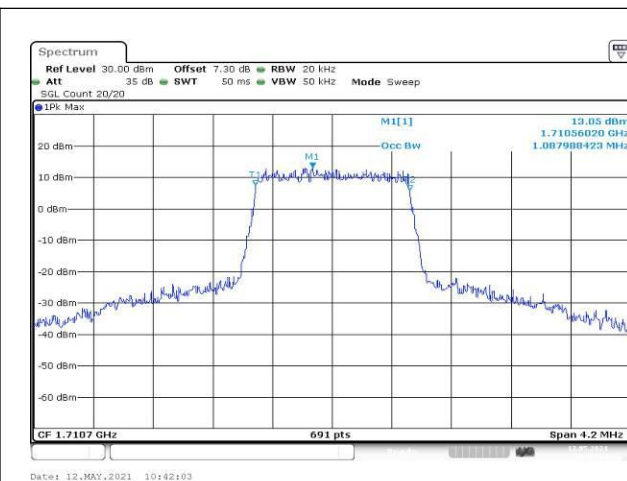


Fig.2

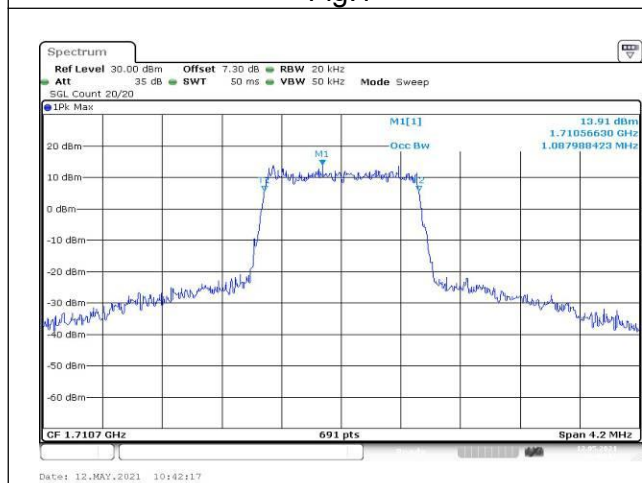


Fig.3

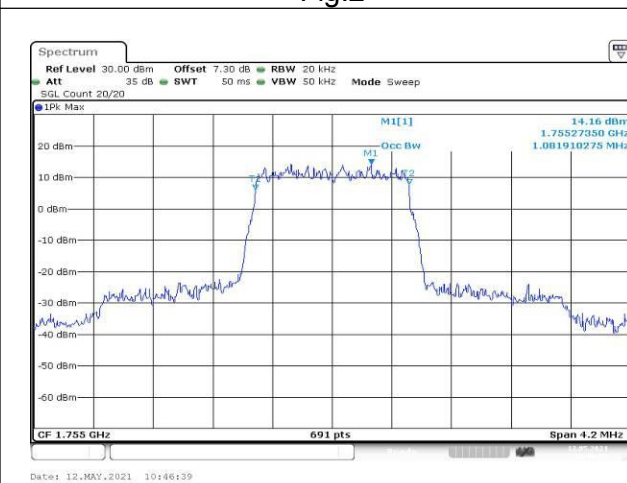


Fig.4

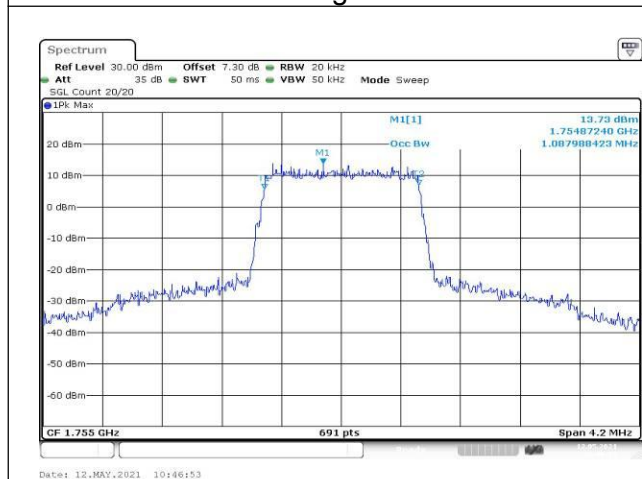


Fig.5

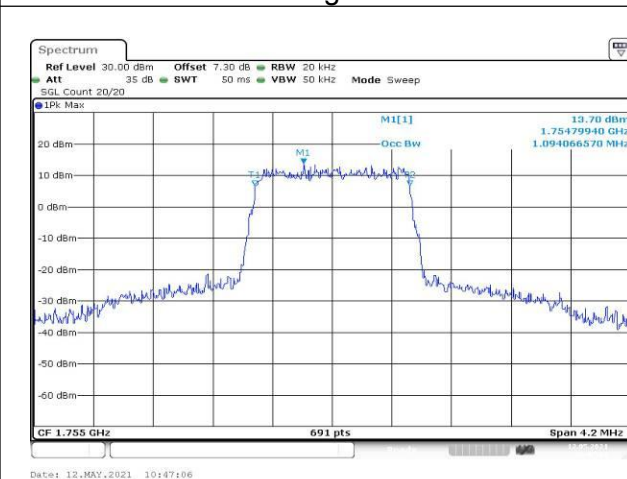
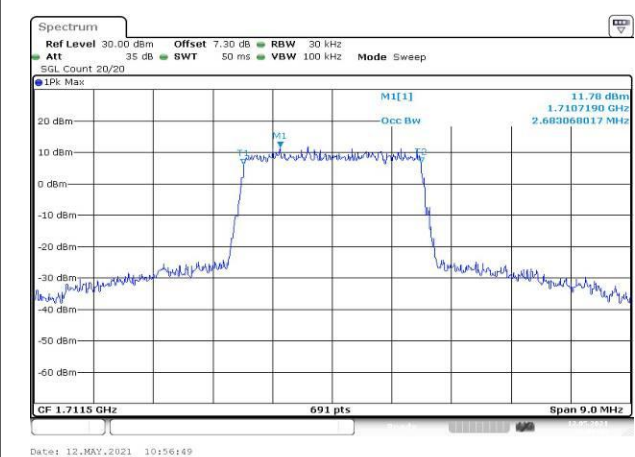
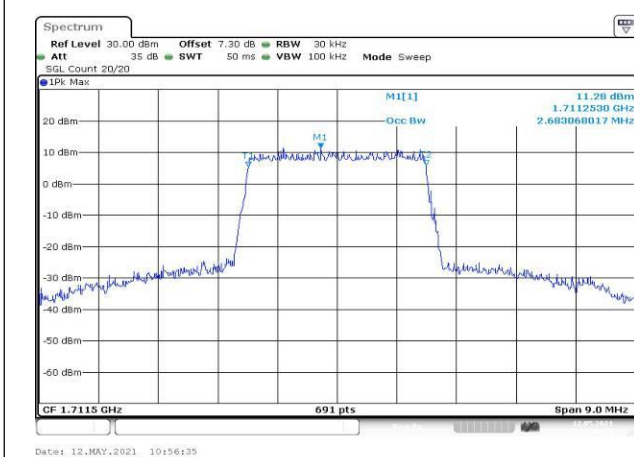
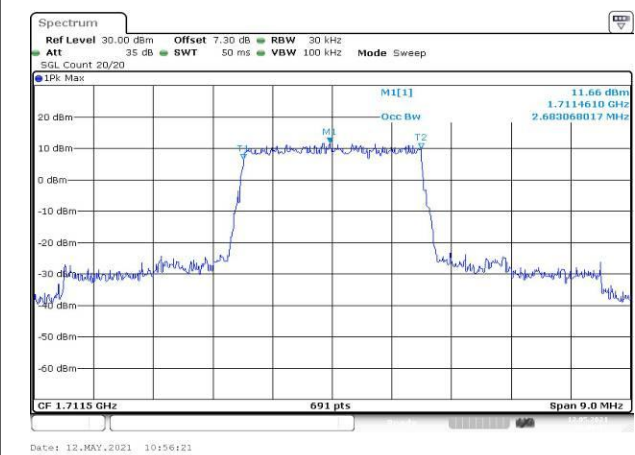
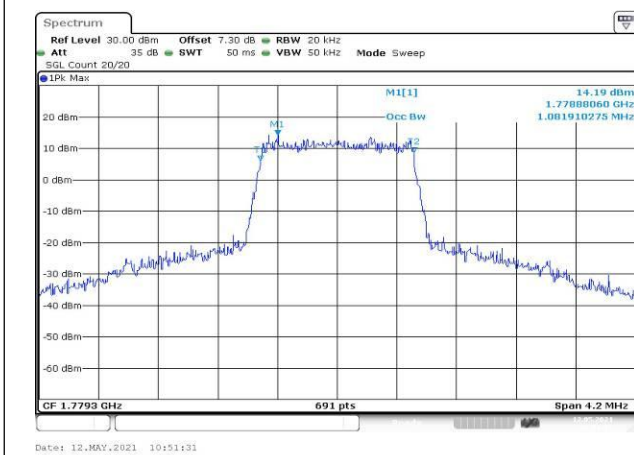
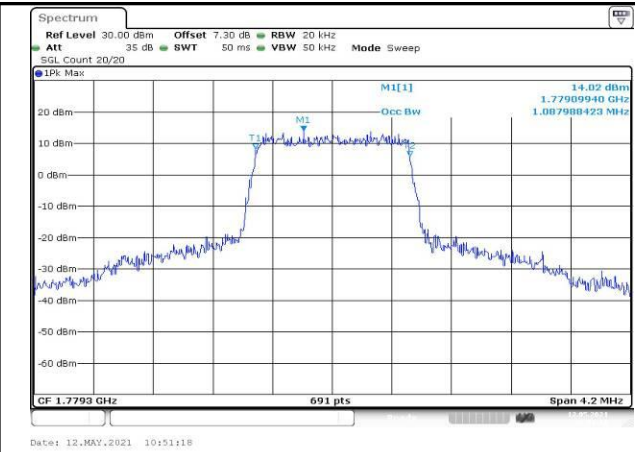
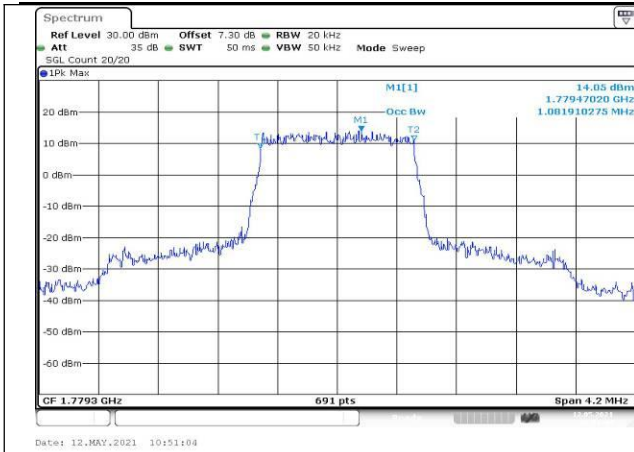


Fig.6



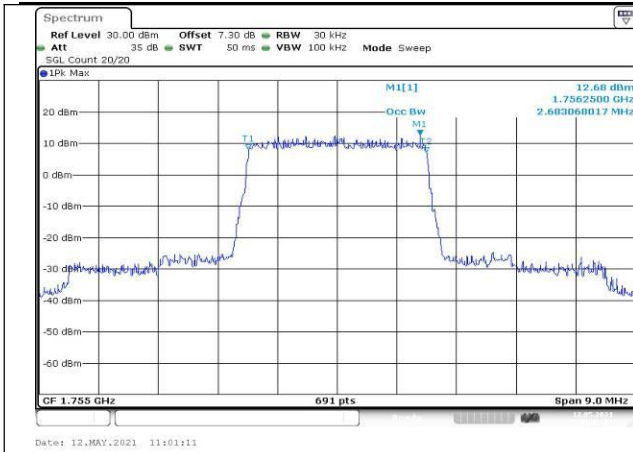


Fig.13

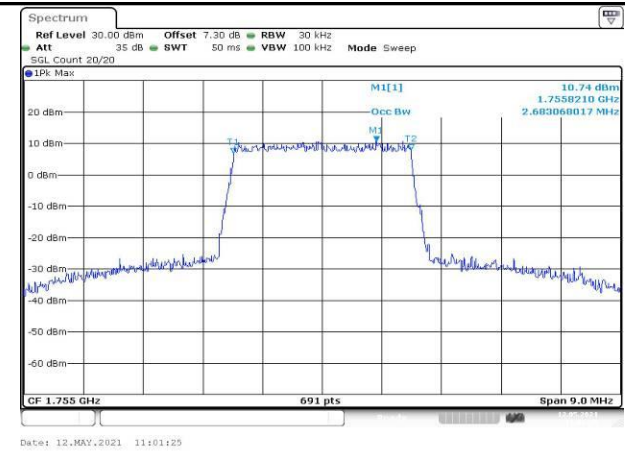


Fig.14

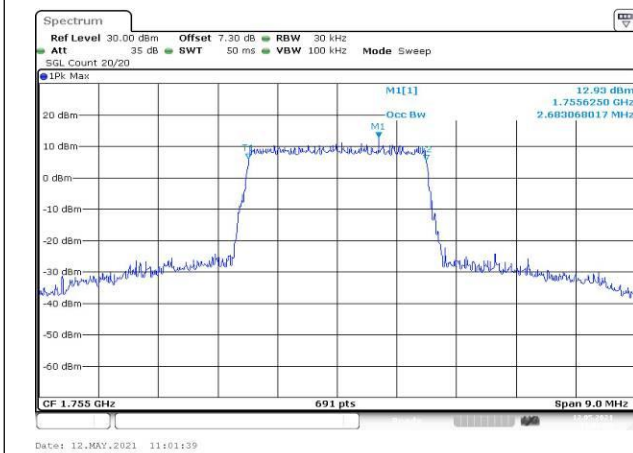


Fig.15

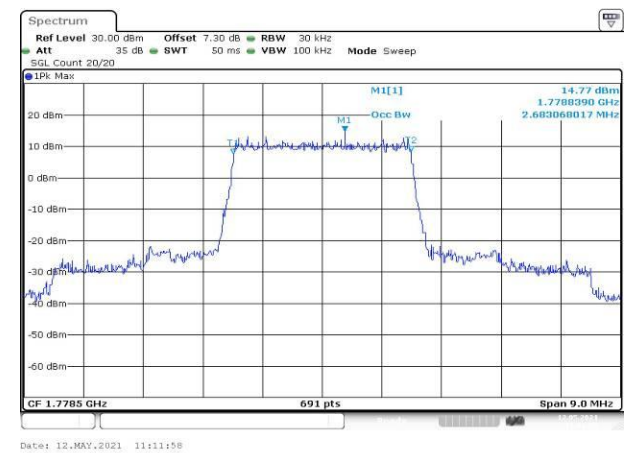


Fig.16

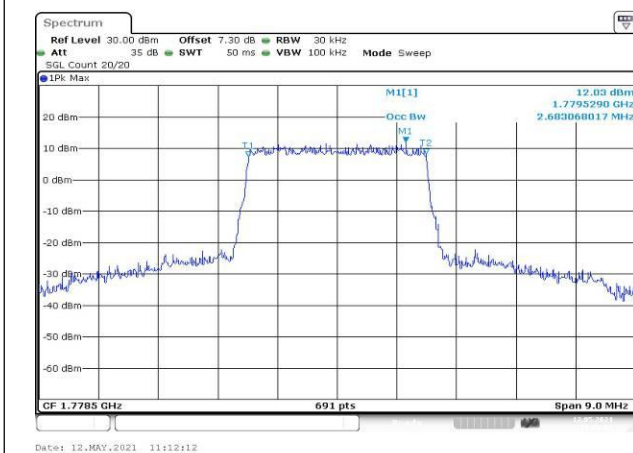


Fig.17

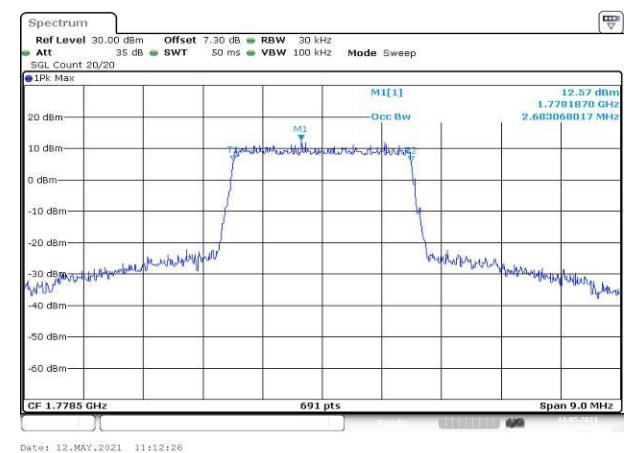
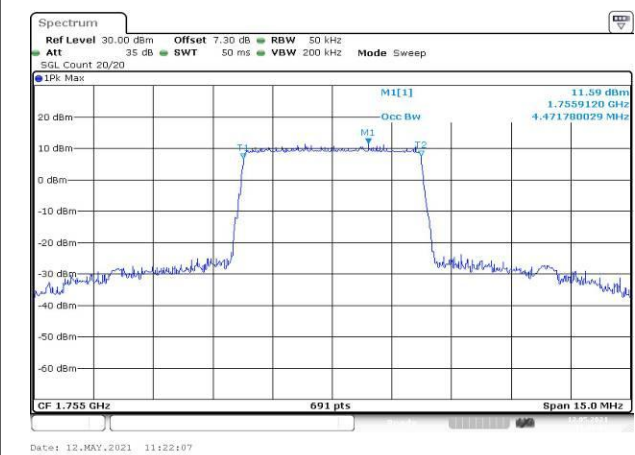
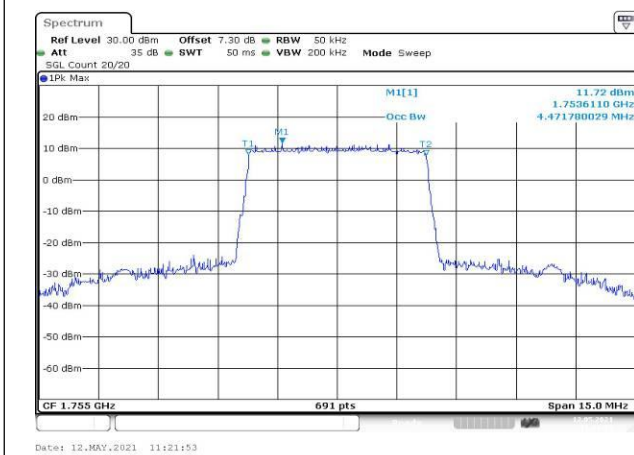
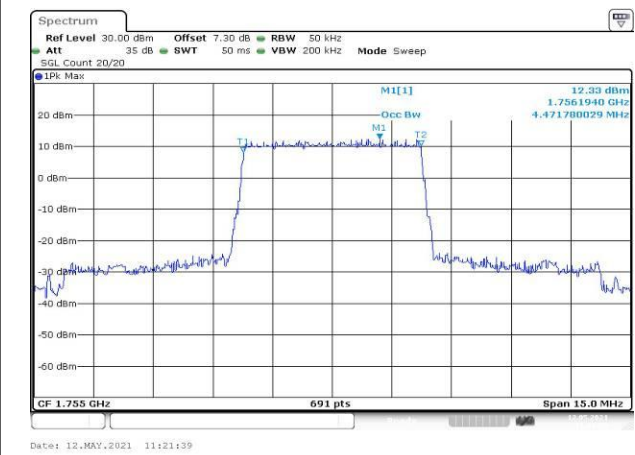
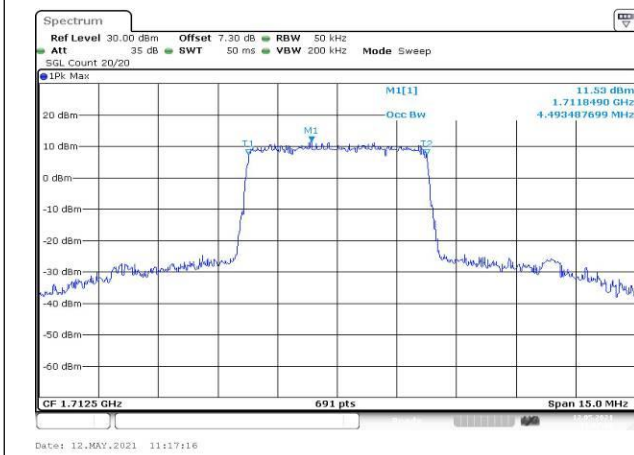
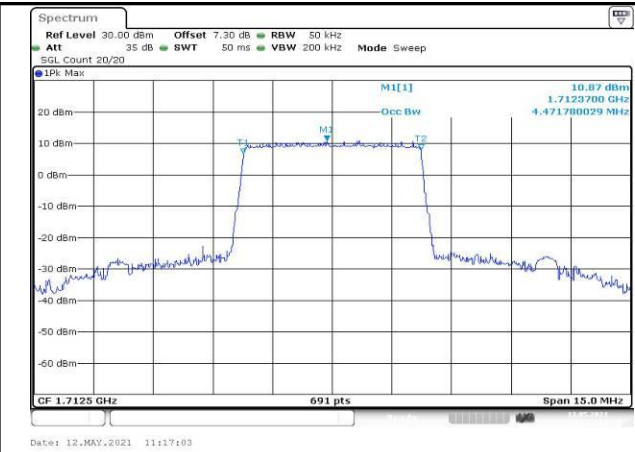
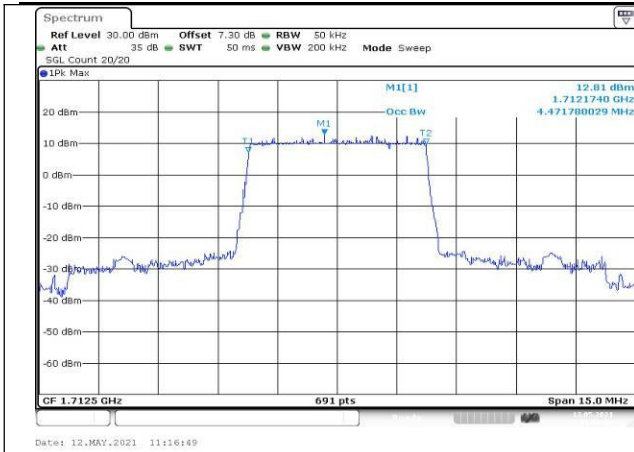


Fig.18



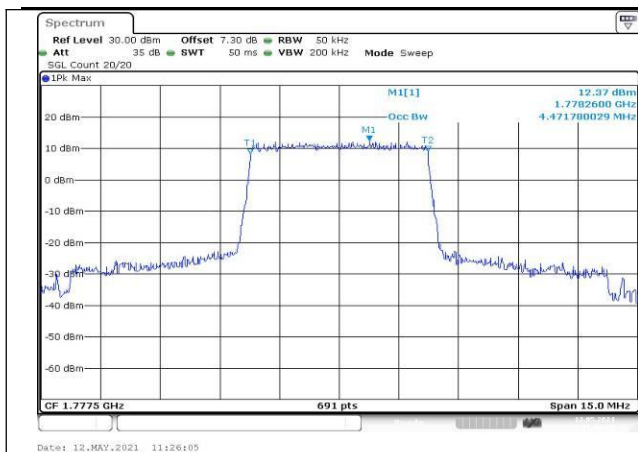


Fig.25



Fig.26

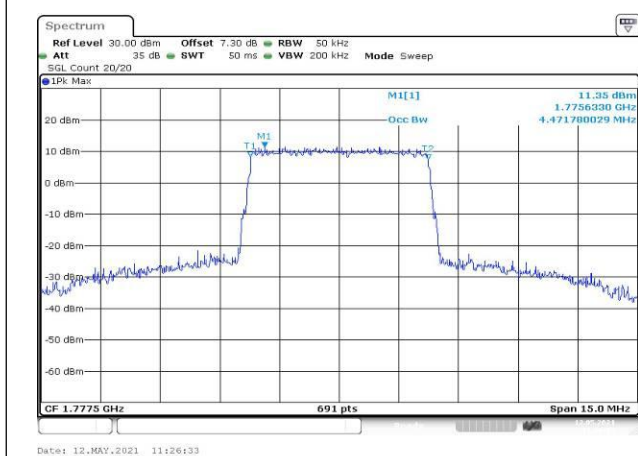


Fig.27

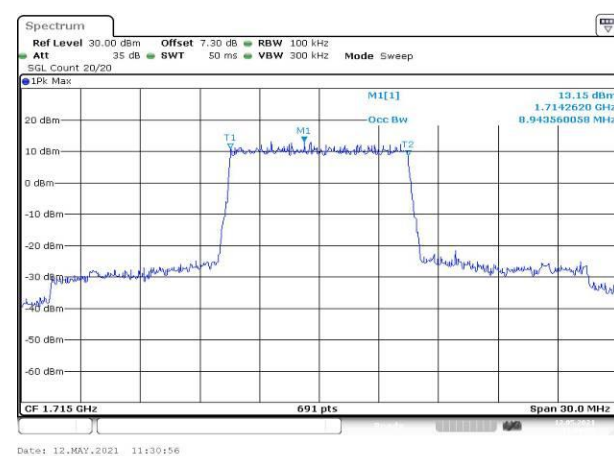


Fig.28

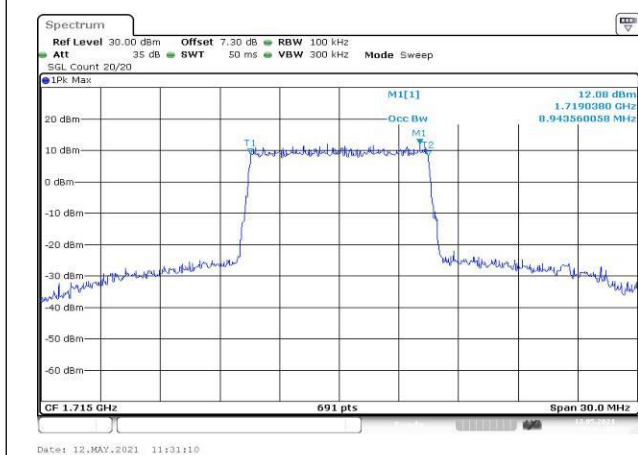


Fig.29

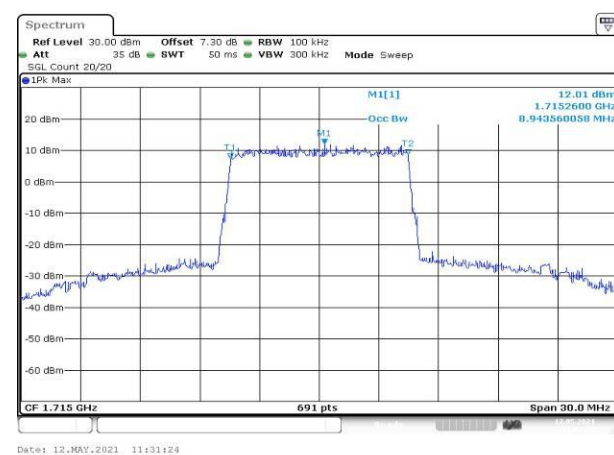
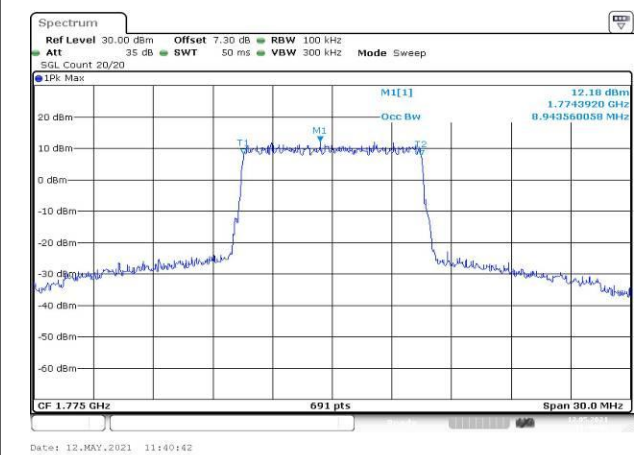
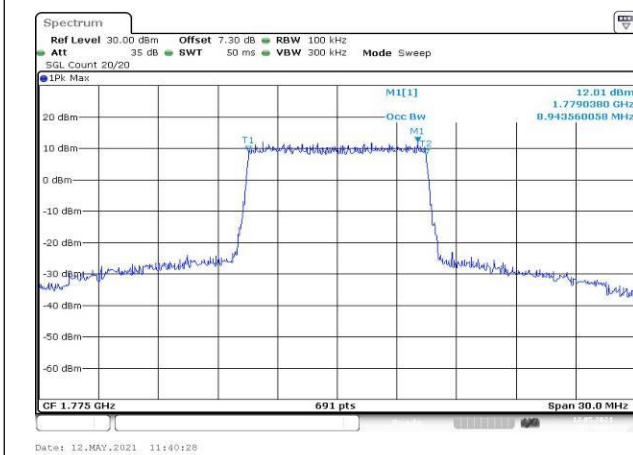
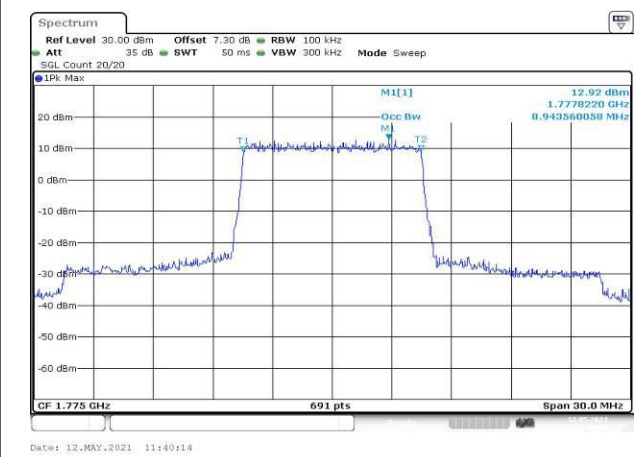
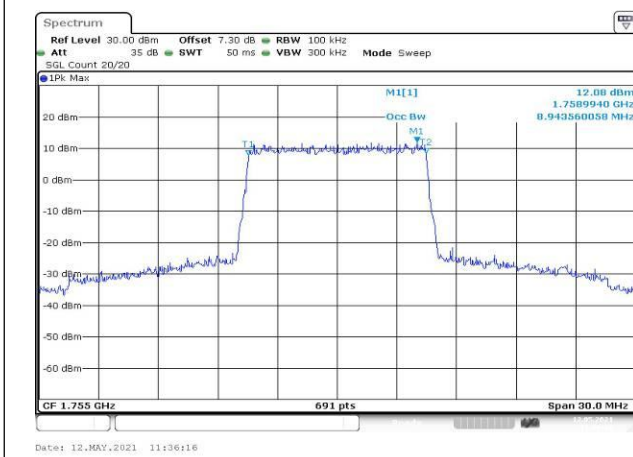
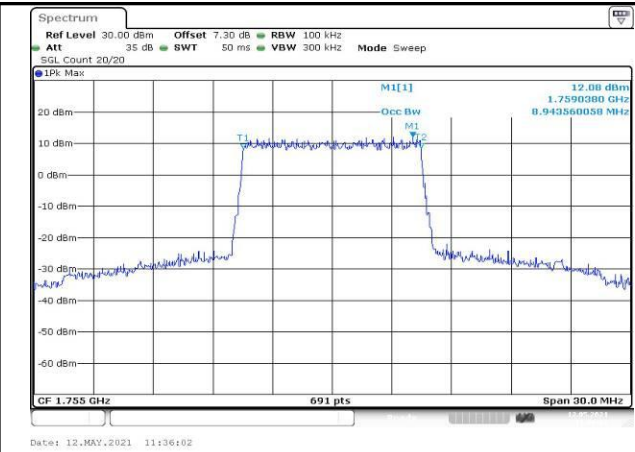
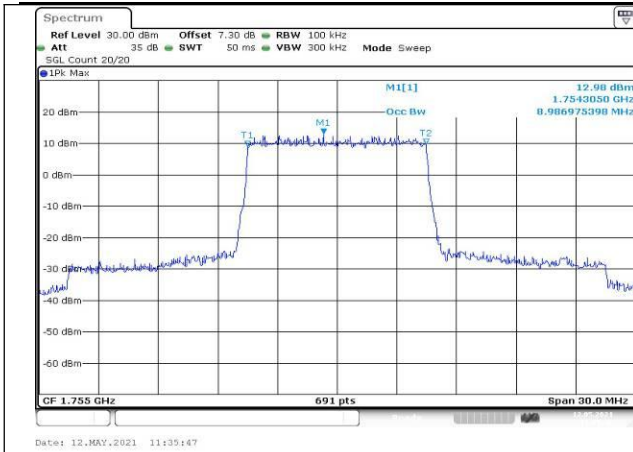
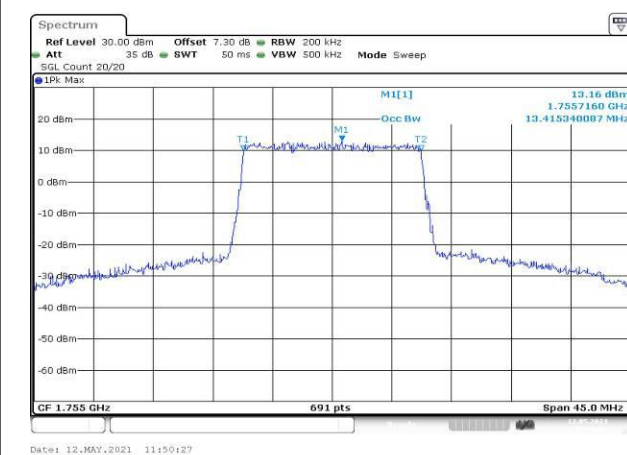
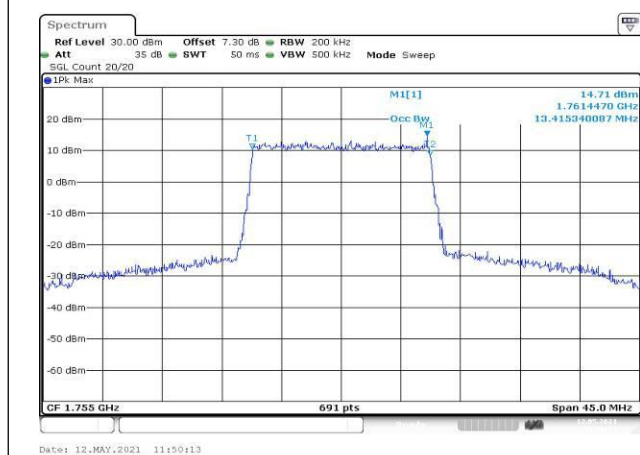
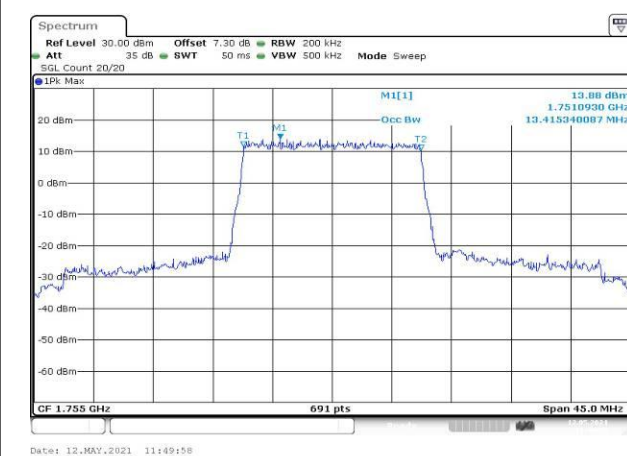
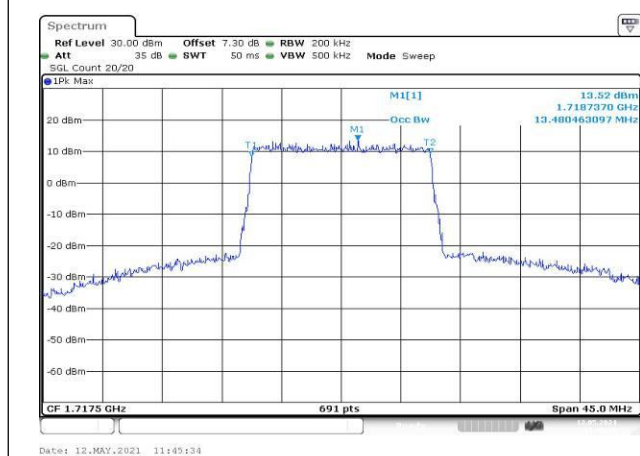
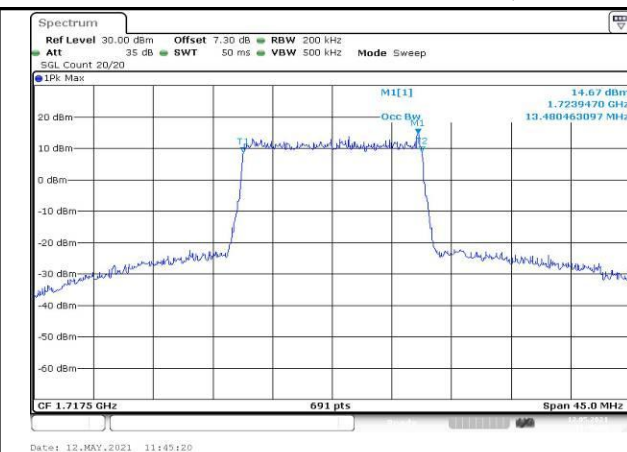
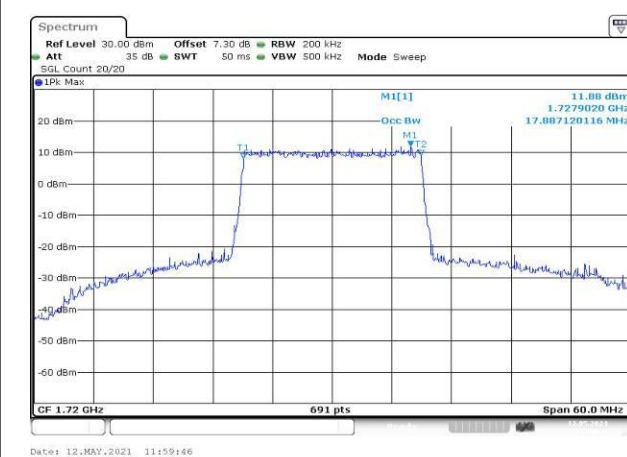
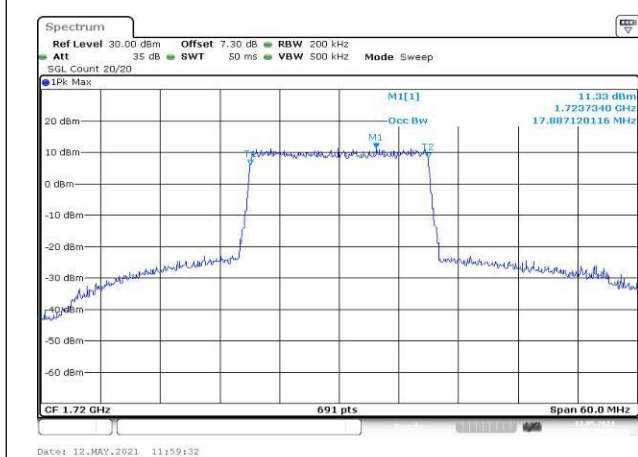
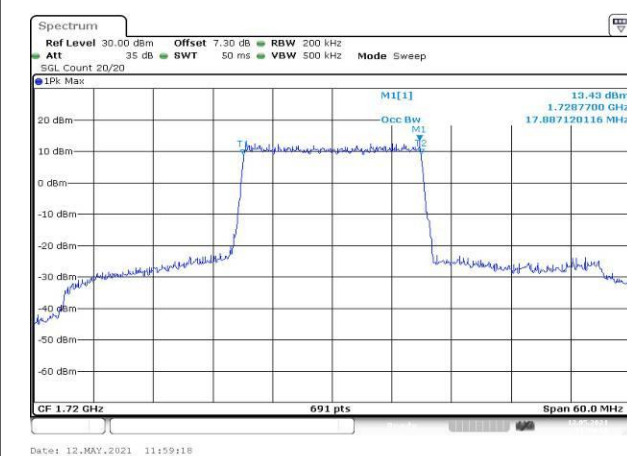
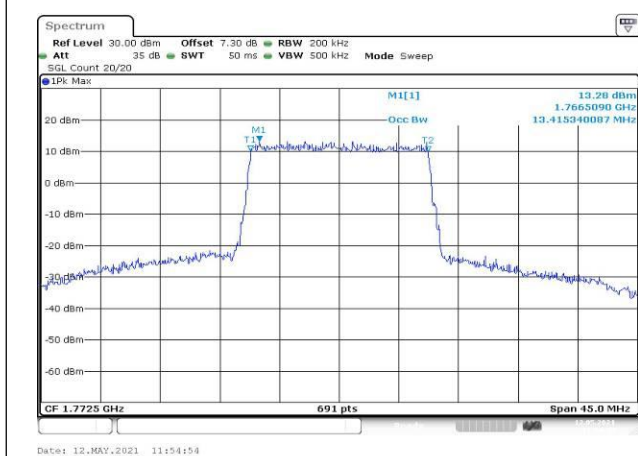
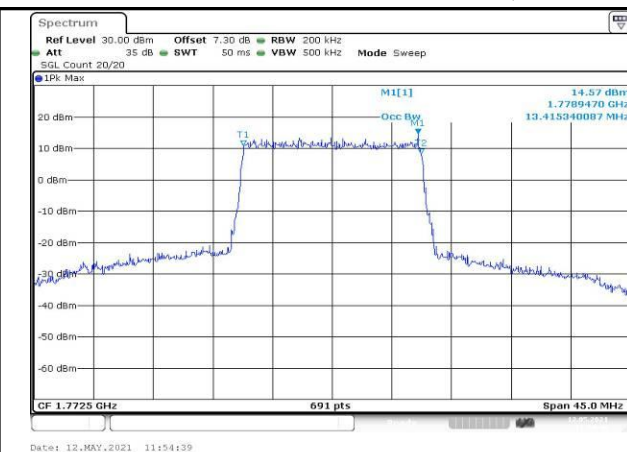
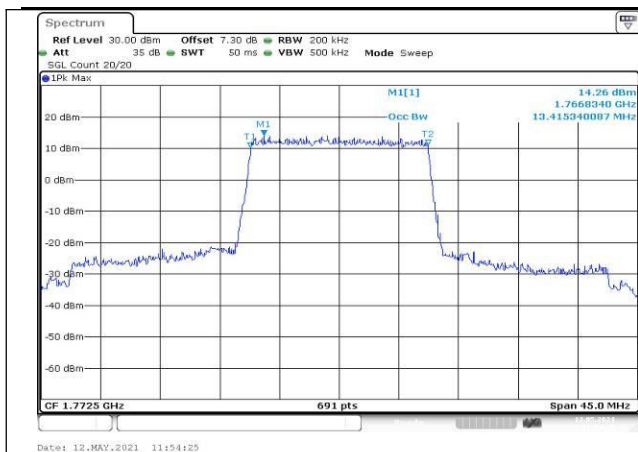


Fig.30







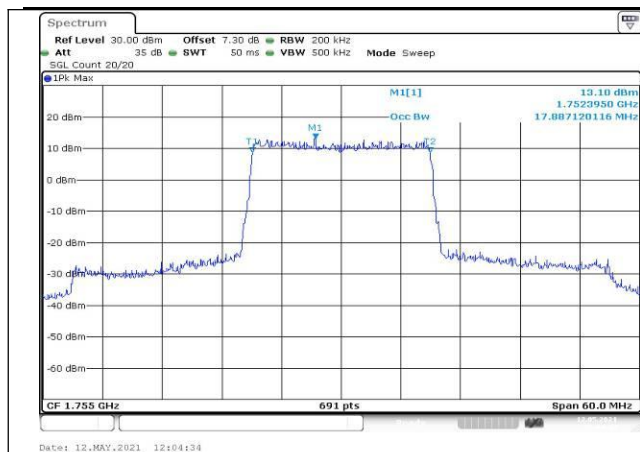


Fig.49

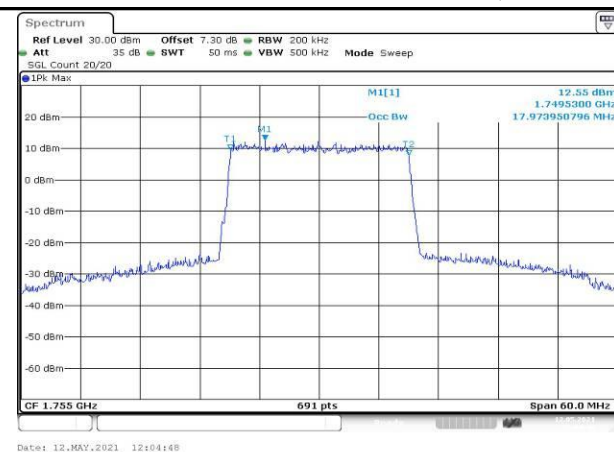


Fig.50

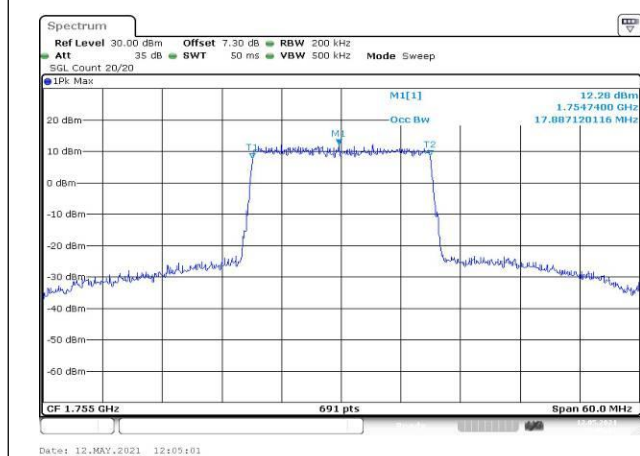


Fig.51

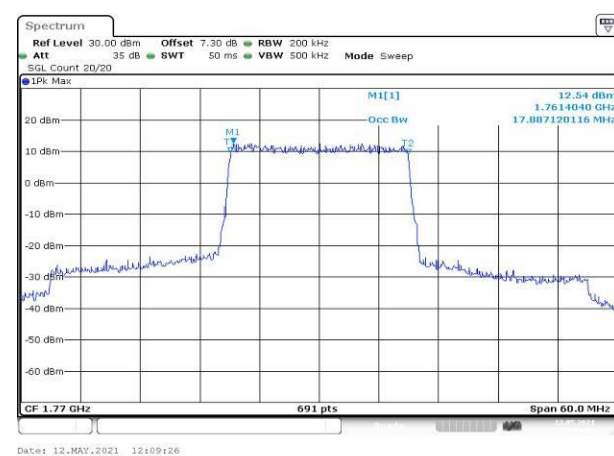


Fig.52

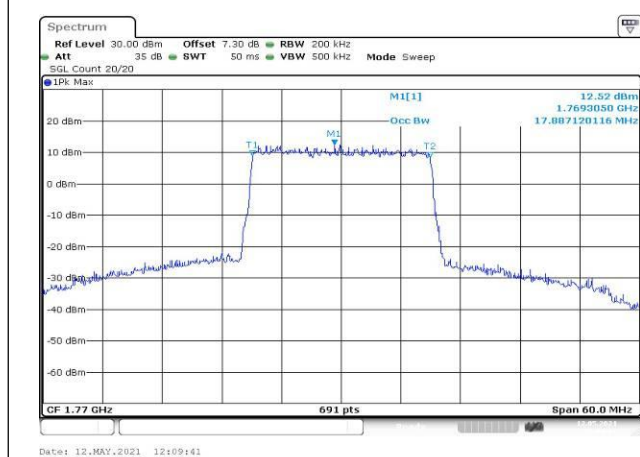


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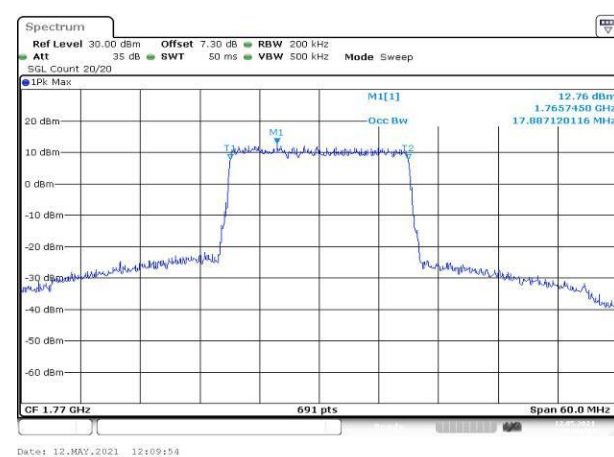


Fig.54

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	
66	1710.7	131979	1.4	6	0	1.222	Fig.1	1.228	Fig.2	1.222	Fig.3
	1755	132422		6	0	1.234	Fig.4	1.228	Fig.5	1.234	Fig.6
	1779.3	132665		6	0	1.222	Fig.7	1.228	Fig.8	1.222	Fig.9
	1711.5	131987	3	15	0	2.983	Fig.10	2.944	Fig.11	2.970	Fig.12
	1755	132422		15	0	2.996	Fig.13	3.009	Fig.14	2.983	Fig.15
	1778.5	132657		15	0	3.009	Fig.16	2.970	Fig.17	2.970	Fig.18
	1712.5	131997	5	25	0	4.863	Fig.19	4.884	Fig.20	4.884	Fig.21
	1755	132422		25	0	4.884	Fig.22	4.906	Fig.23	4.884	Fig.24
	1777.5	132647		25	0	4.884	Fig.25	4.928	Fig.26	4.906	Fig.27
	1715	132022	10	50	0	9.768	Fig.28	9.682	Fig.29	9.725	Fig.30
	1755	132422		50	0	9.725	Fig.31	9.682	Fig.32	9.682	Fig.33
	1775	132622		50	0	9.768	Fig.34	9.725	Fig.35	9.768	Fig.36
	1717.5	132047	15	75	0	14.783	Fig.37	14.718	Fig.38	14.783	Fig.39
	1755	132422		75	0	14.718	Fig.40	14.522	Fig.41	14.783	Fig.42
	1772.5	132597		75	0	14.718	Fig.43	14.848	Fig.44	14.718	Fig.45
	1720	132072	20	100	0	19.363	Fig.46	19.363	Fig.47	19.450	Fig.48
	1755	132422		100	0	19.450	Fig.49	19.276	Fig.50	19.537	Fig.51
	1770	132572		100	0	19.450	Fig.52	19.363	Fig.53	19.276	Fig.54

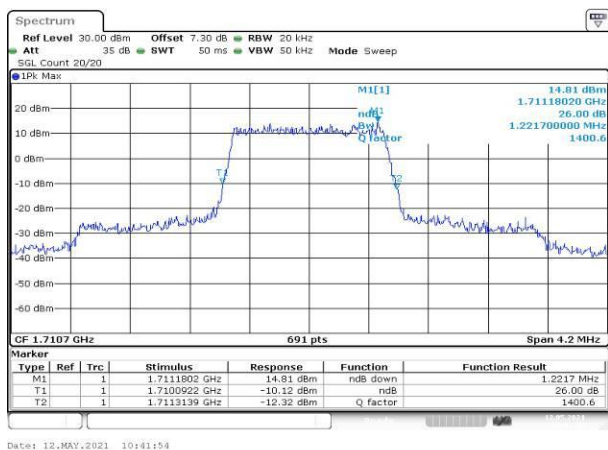


Fig.1

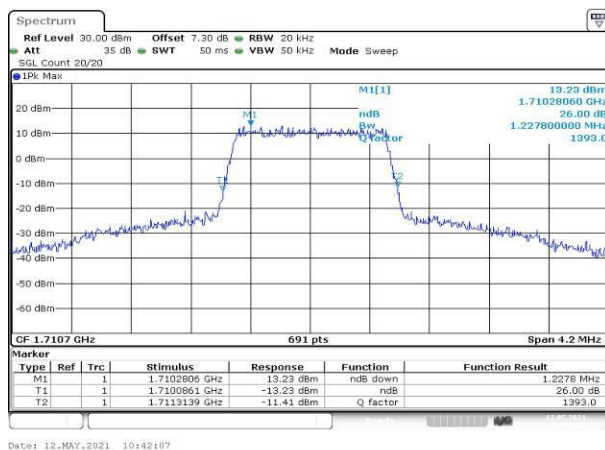


Fig.2

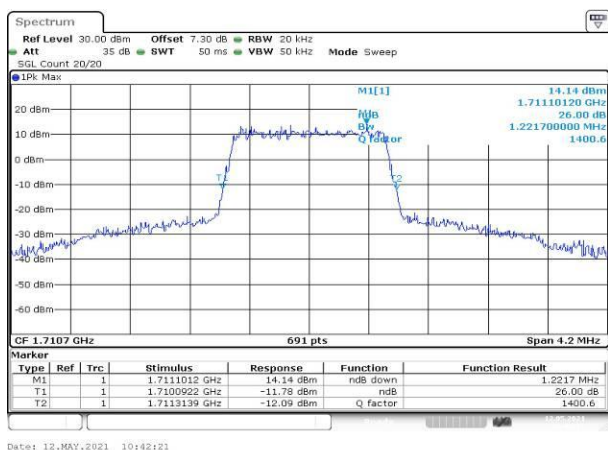


Fig.3

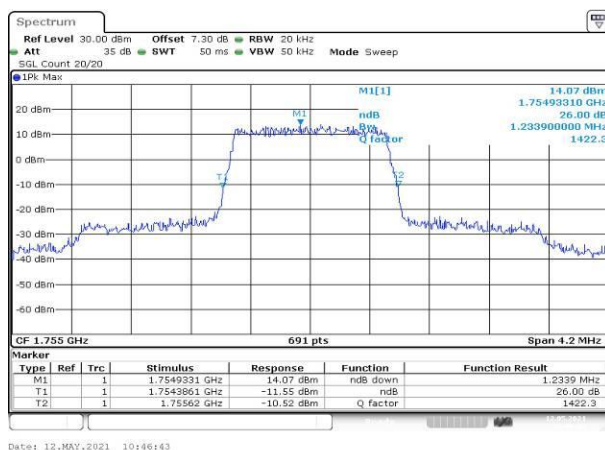


Fig.4

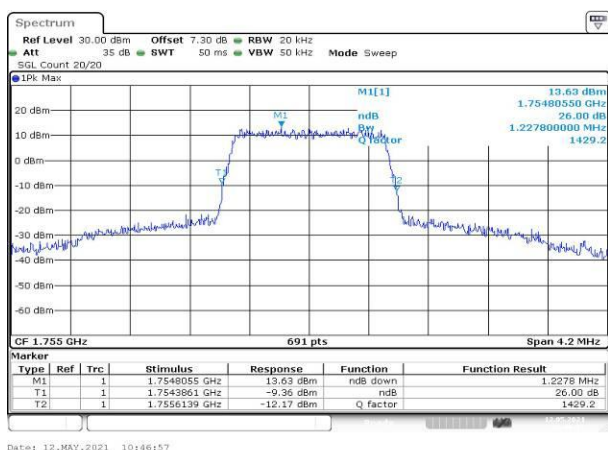


Fig.5

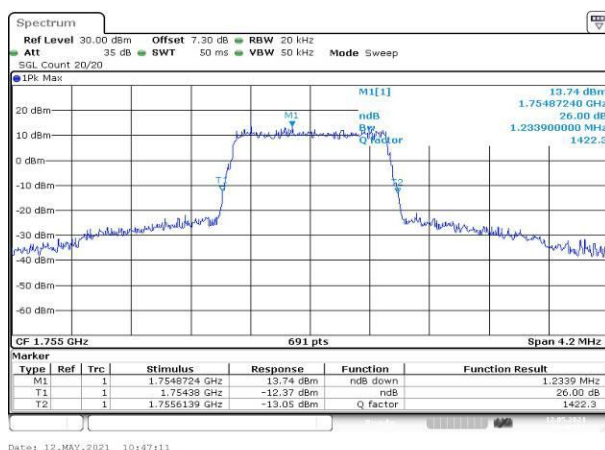
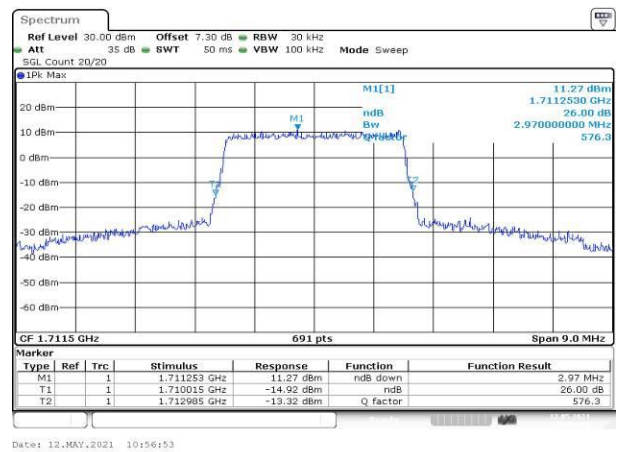
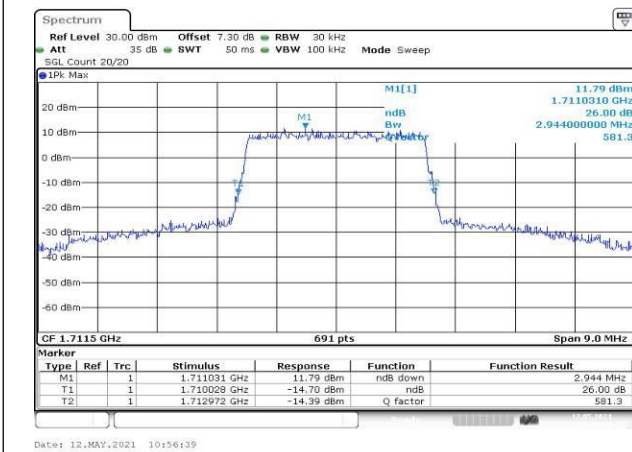
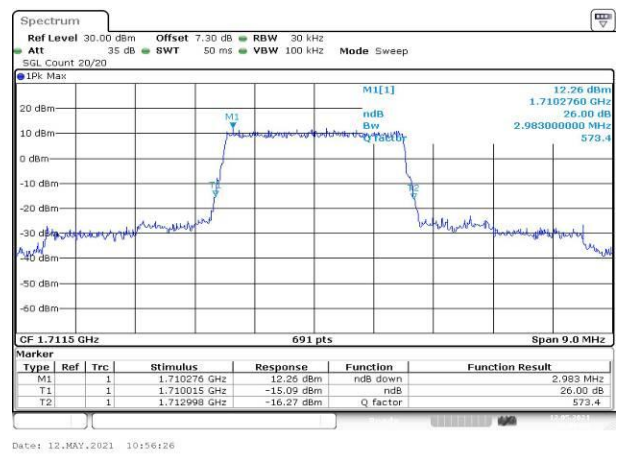
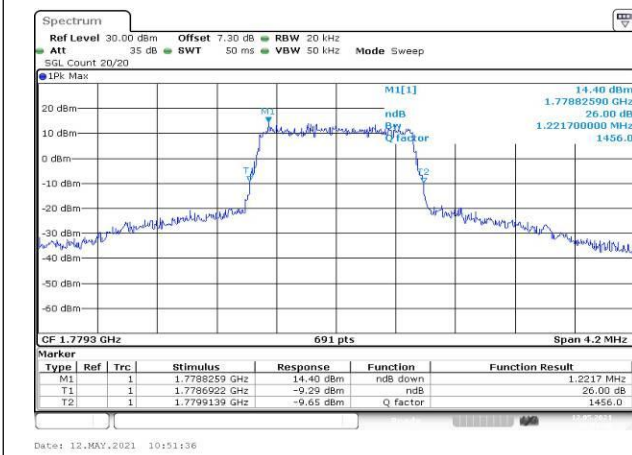
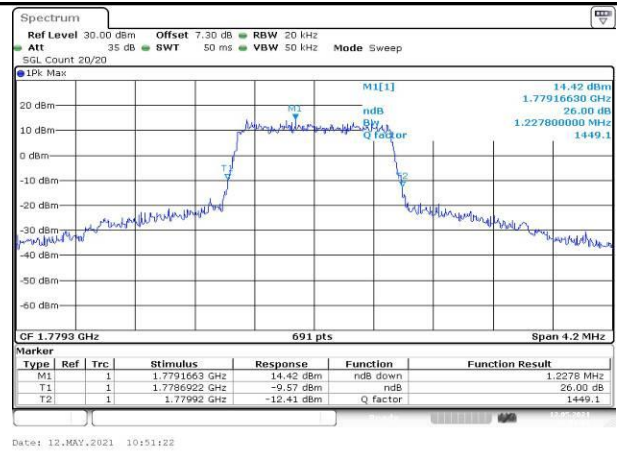
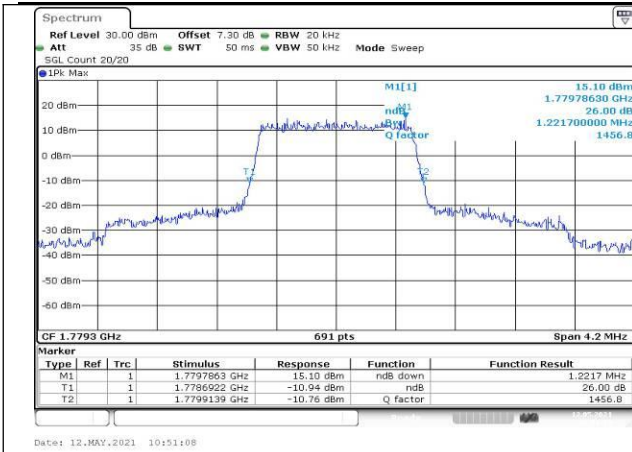


Fig.6



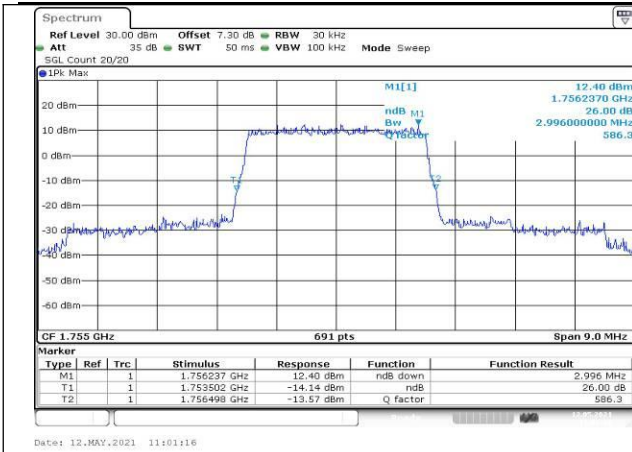


Fig.13

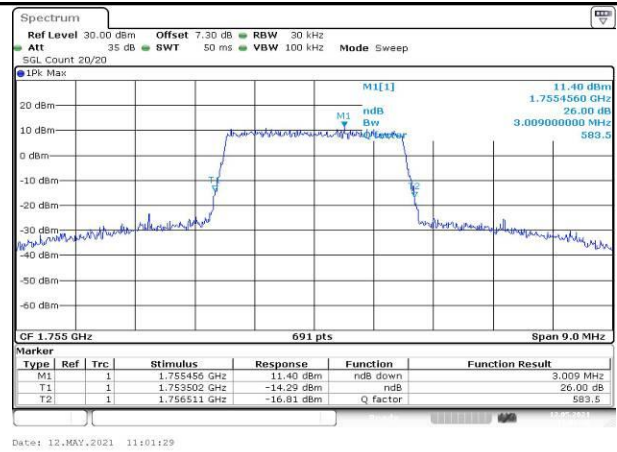


Fig.14

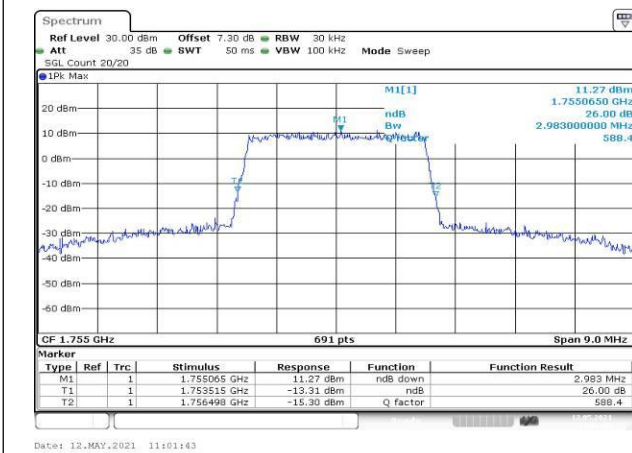


Fig.15

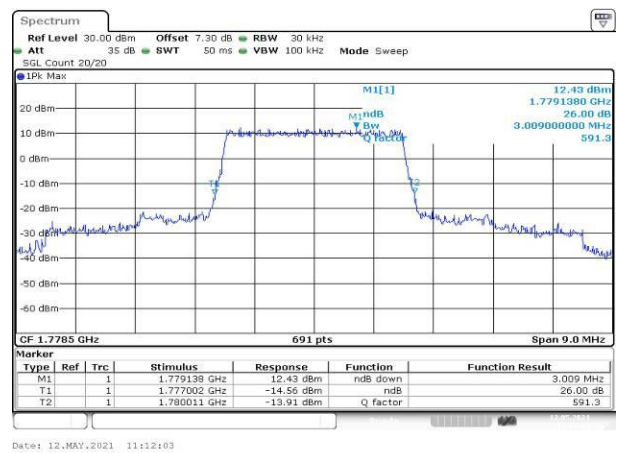


Fig.16

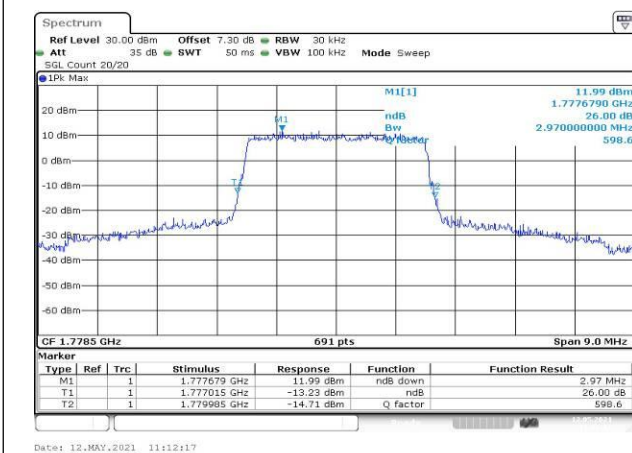


Fig.17

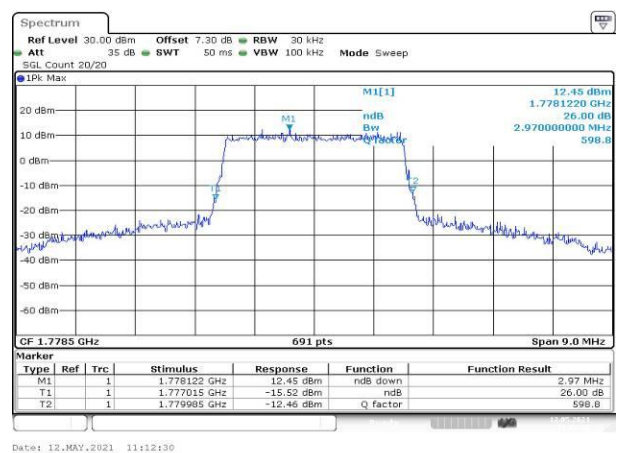


Fig.18

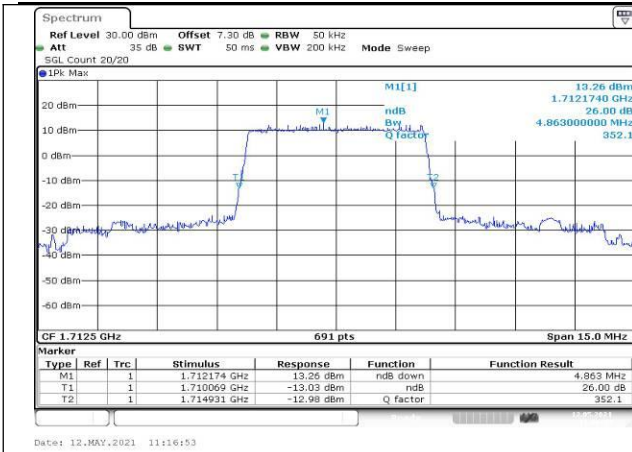


Fig.19

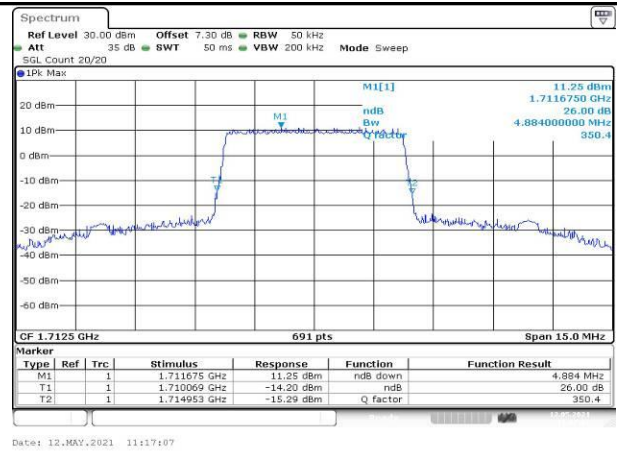


Fig.20

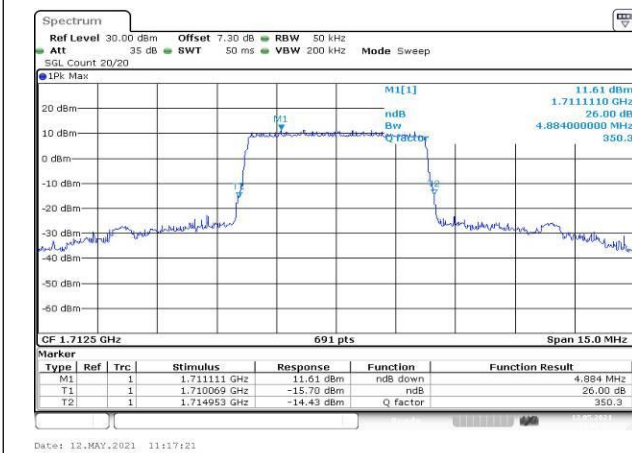


Fig.21

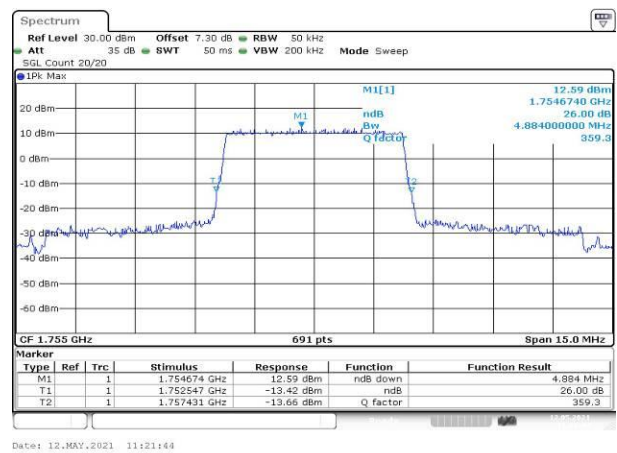


Fig.22

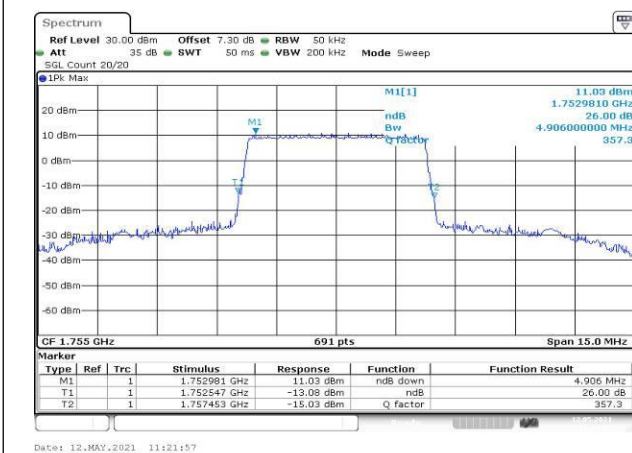


Fig.23

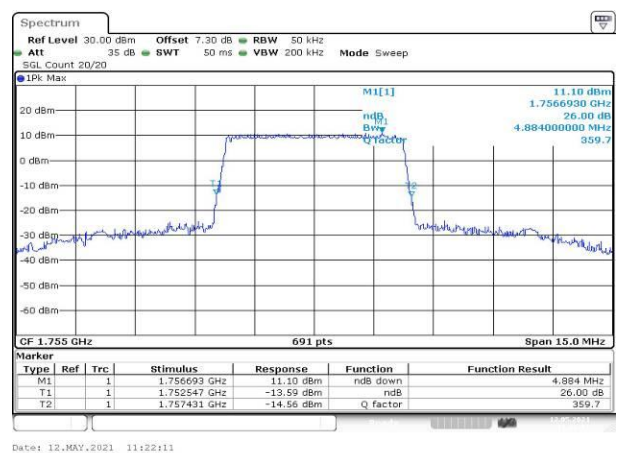


Fig.24

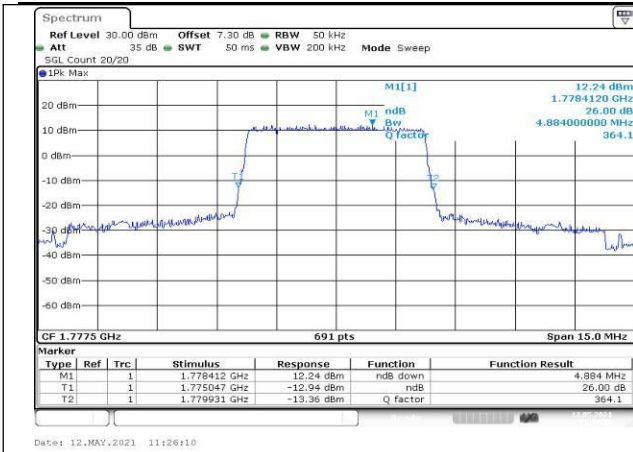


Fig.25

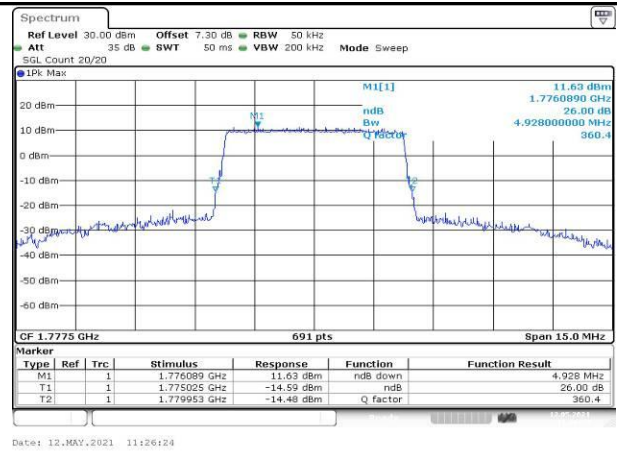


Fig.26

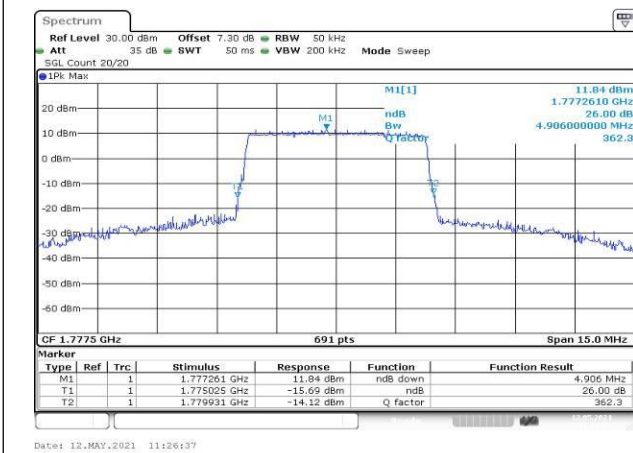


Fig.27

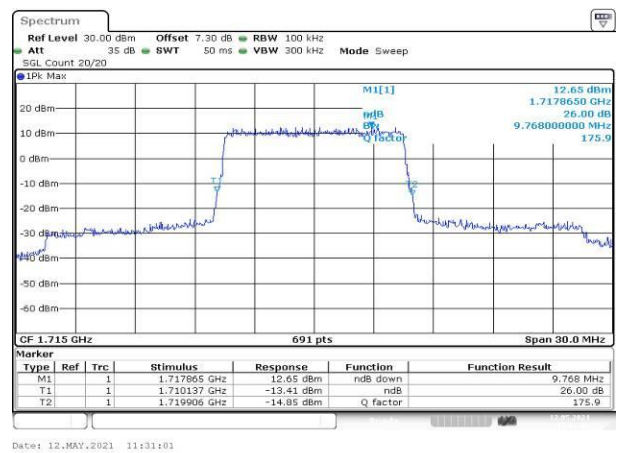


Fig.28

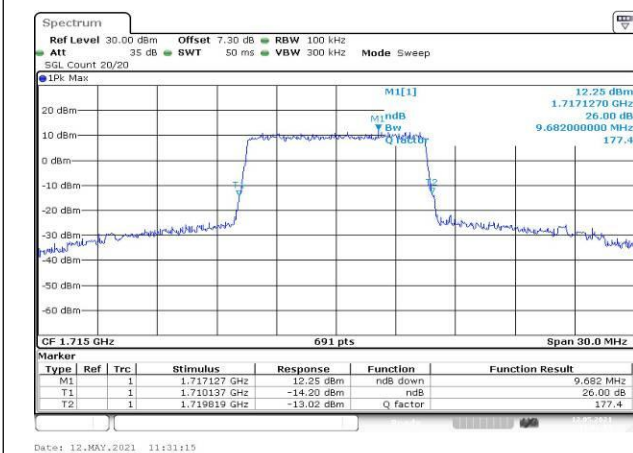


Fig.29

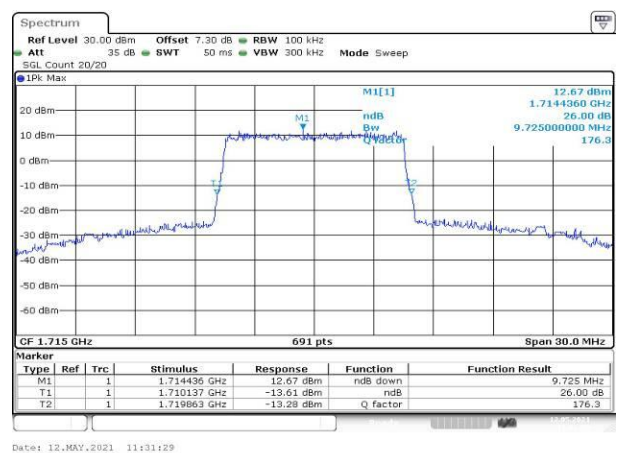


Fig.30

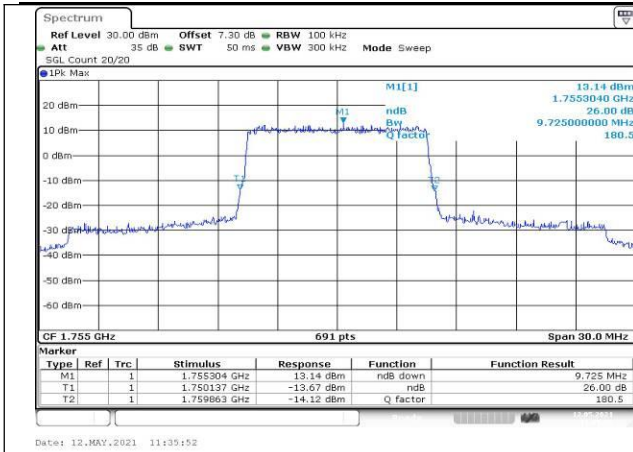


Fig.31

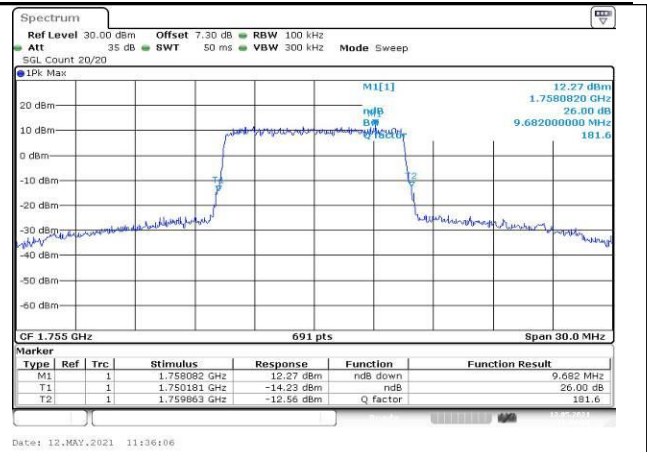


Fig.32

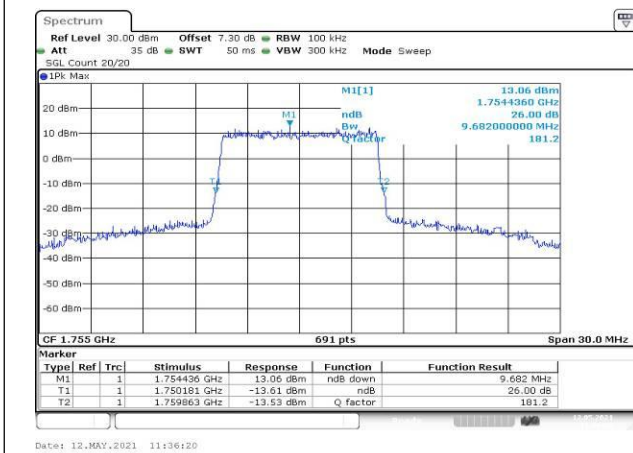


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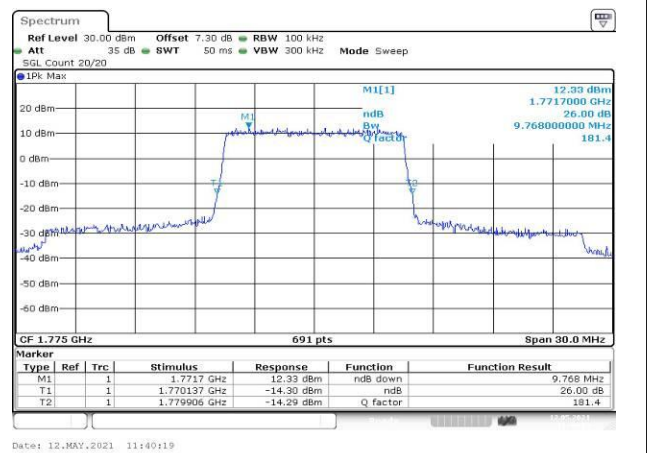


Fig.34

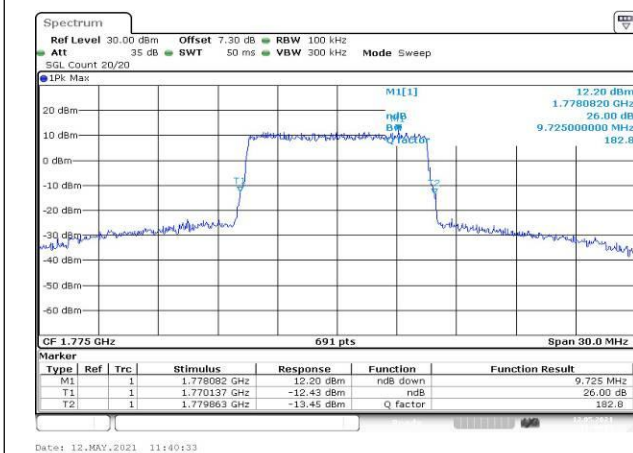


Fig.35

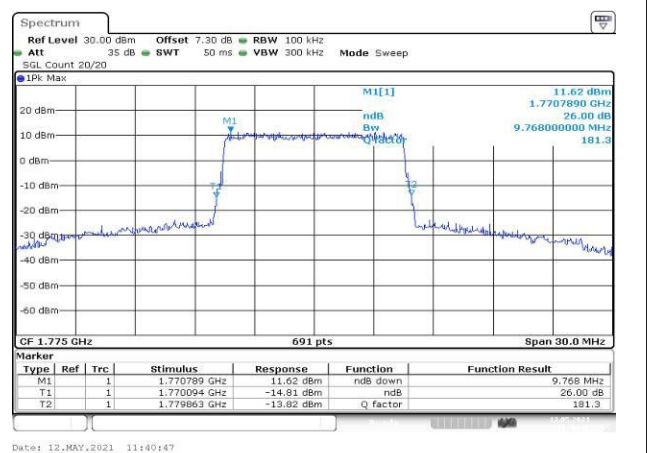


Fig.36

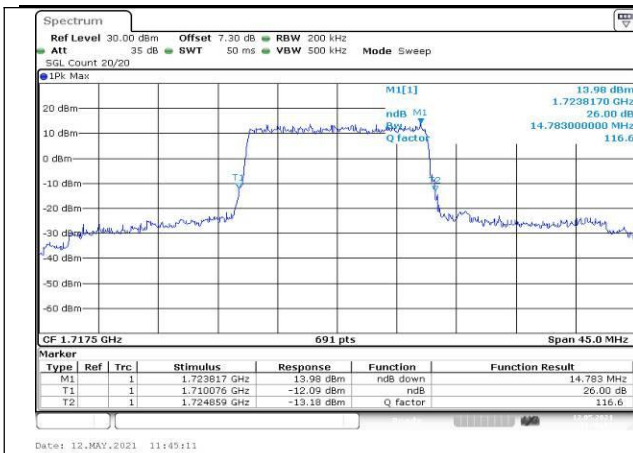


Fig.37

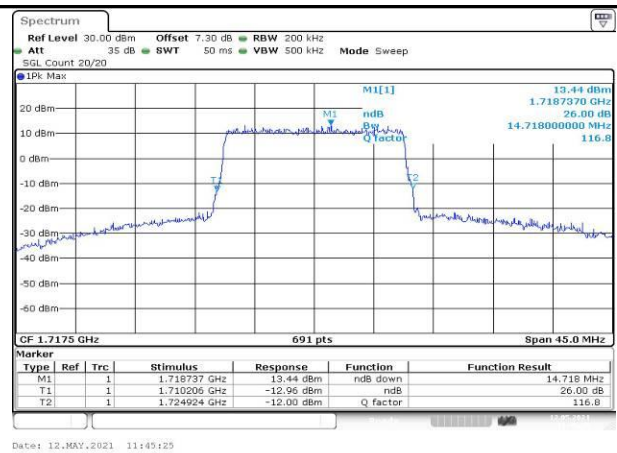


Fig.38

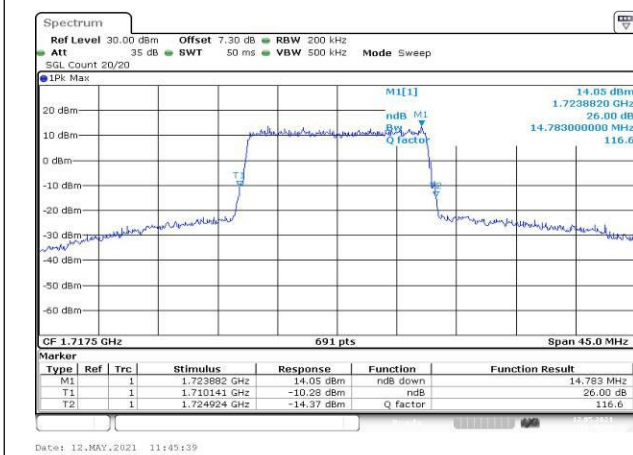


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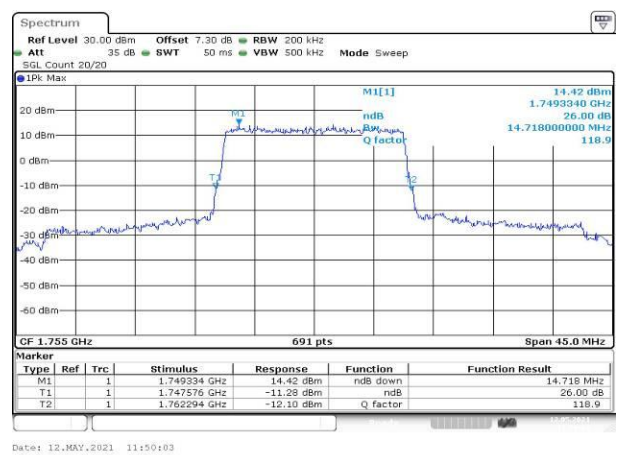


Fig.40

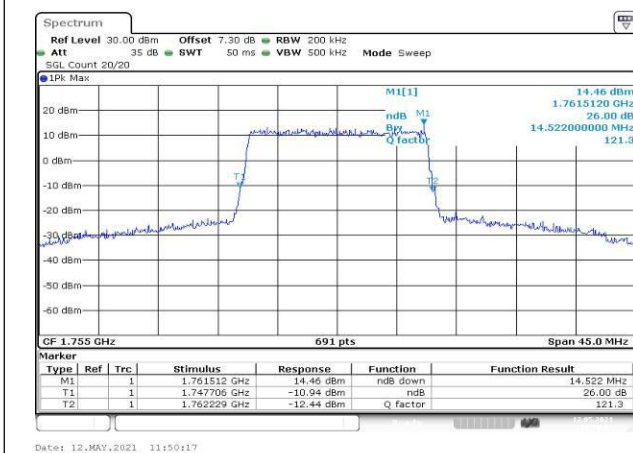


Fig.41

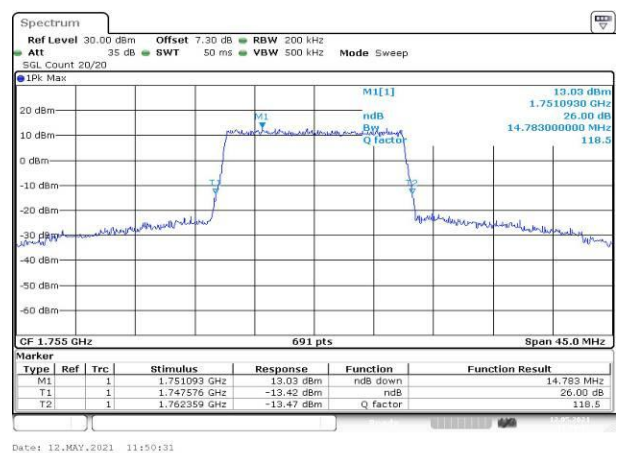


Fig.42

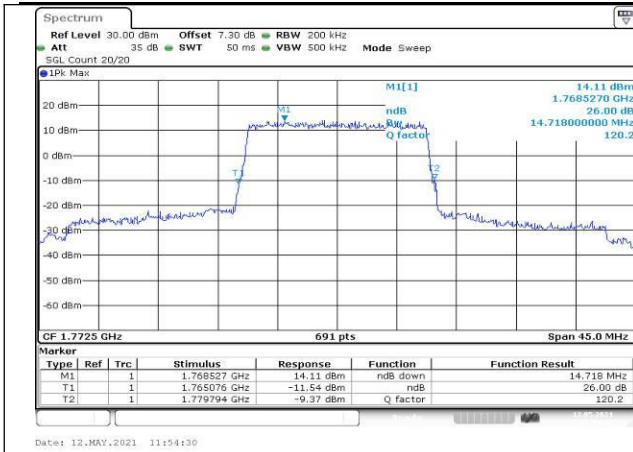


Fig.43

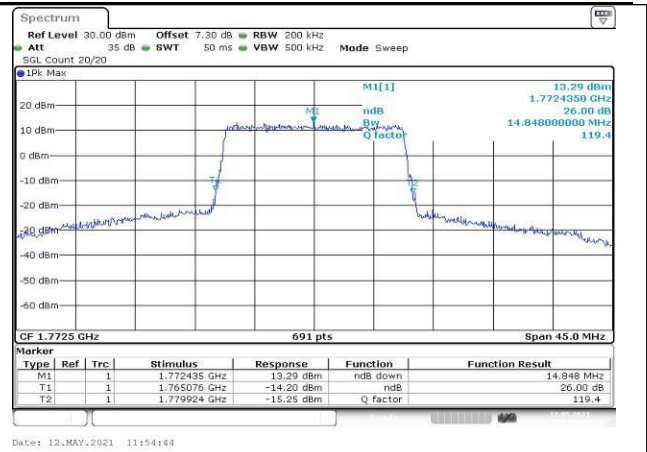


Fig.44

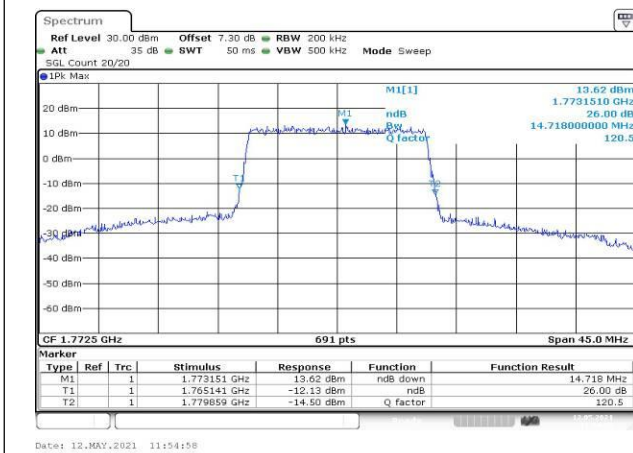


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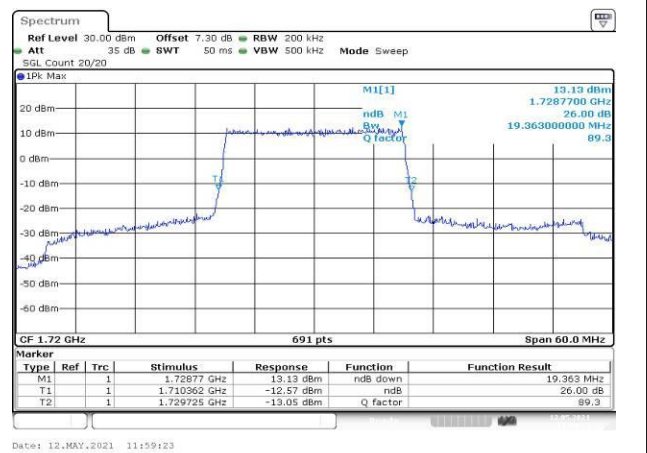


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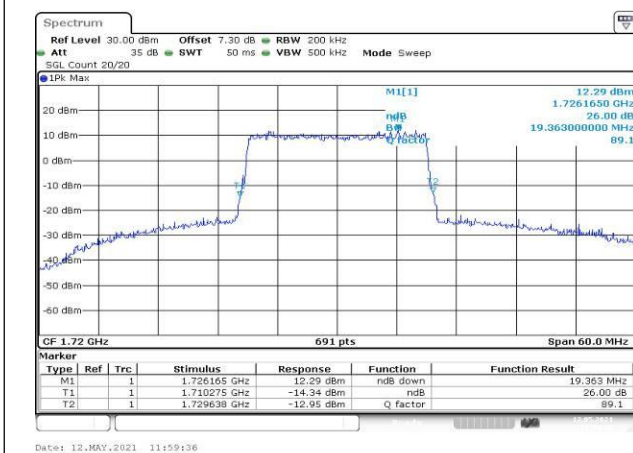


Fig.47

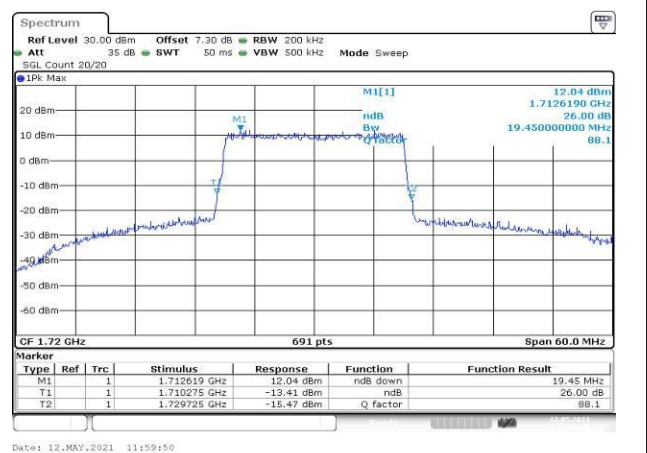


Fig.48