

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

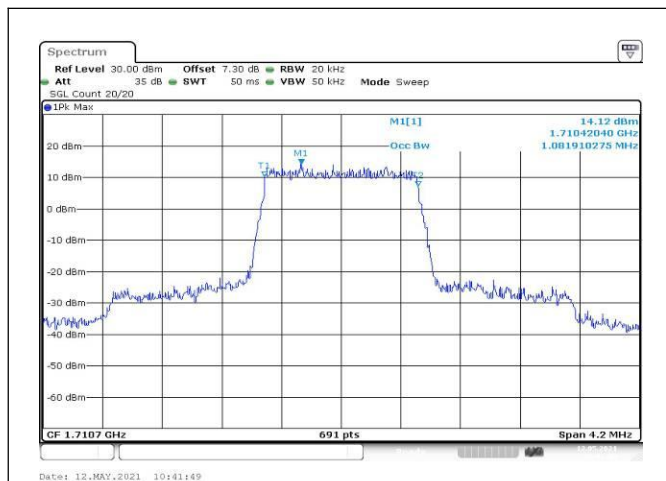


Fig.1

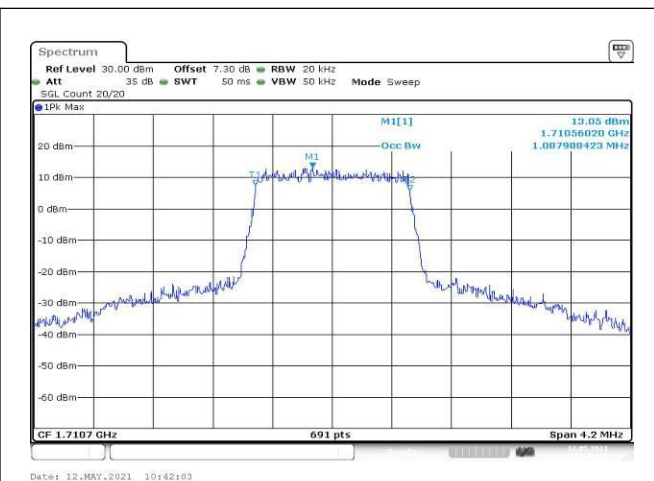


Fig.2

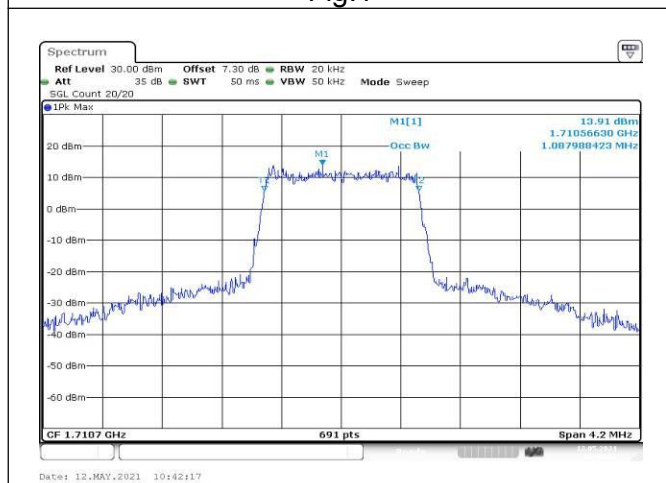


Fig.3

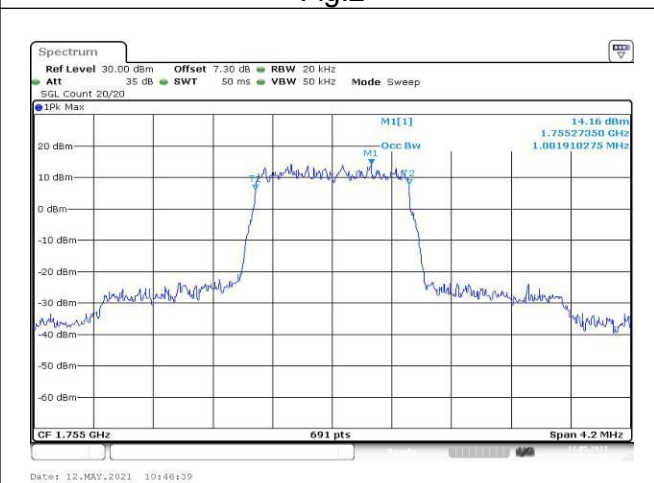


Fig.4

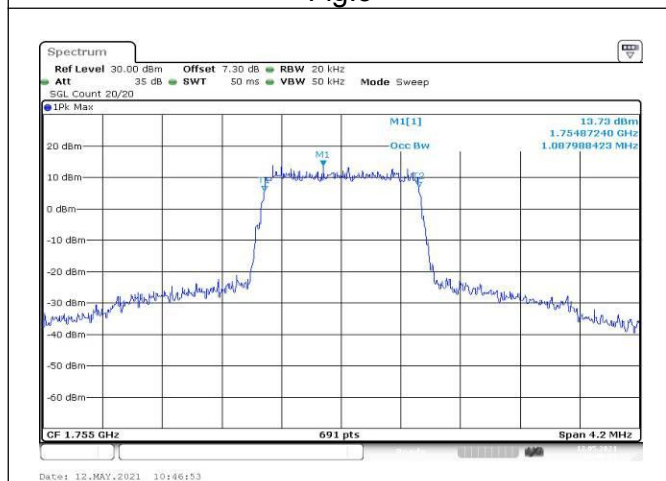


Fig.5

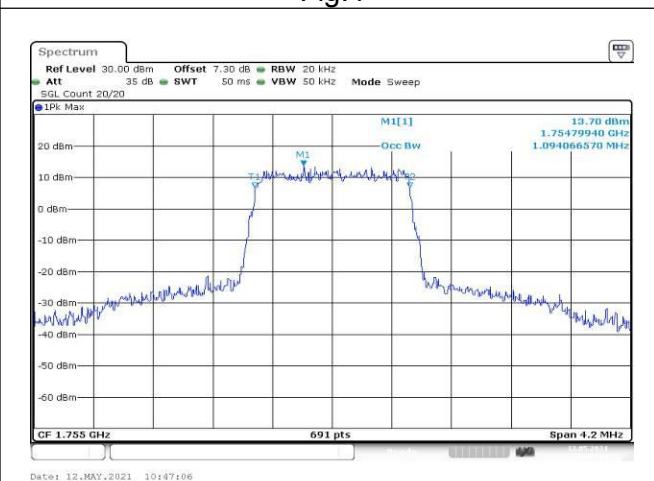
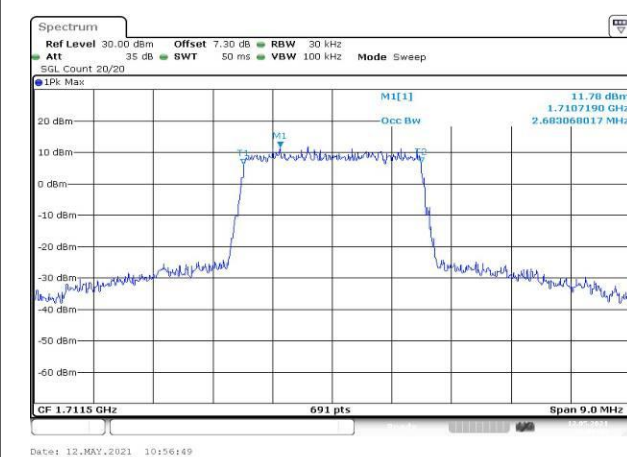
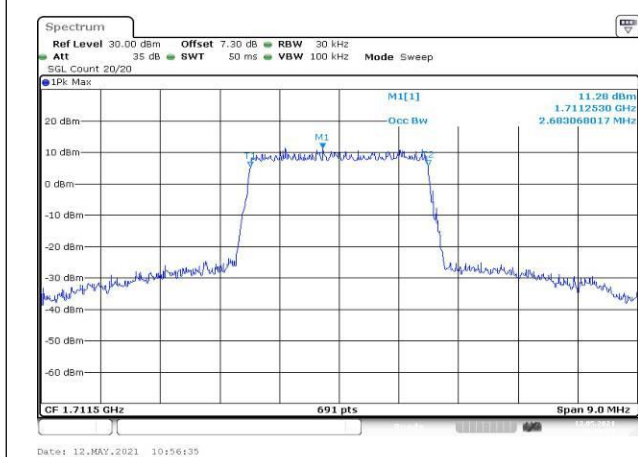
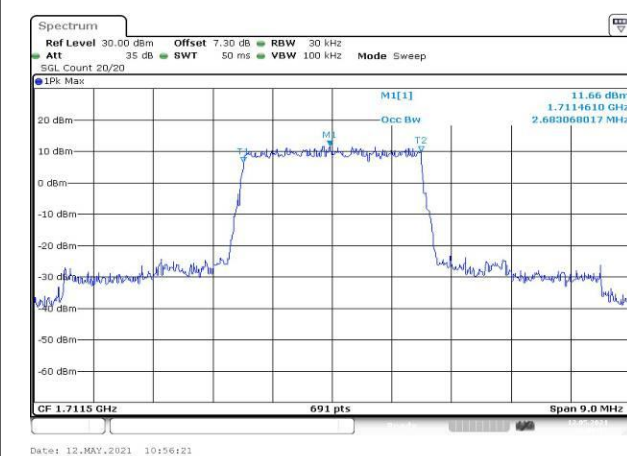
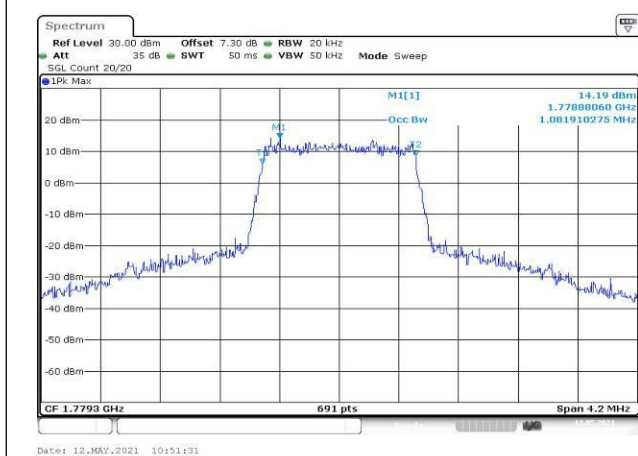
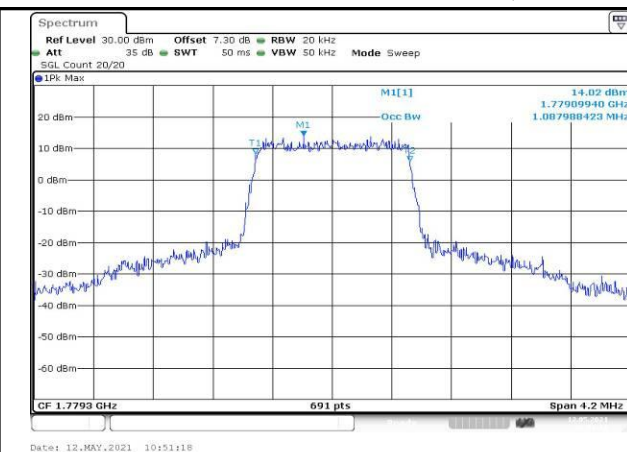
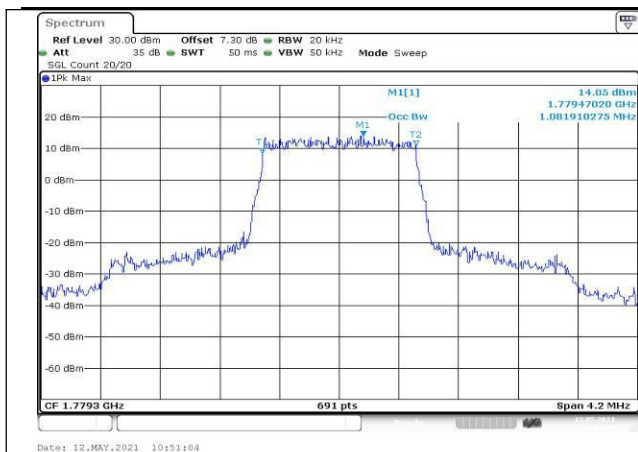
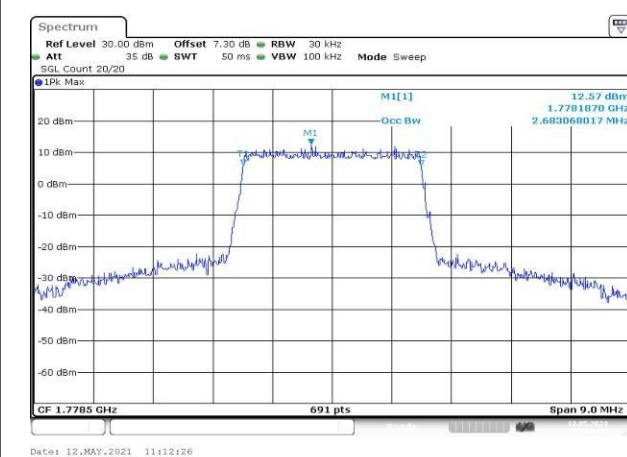
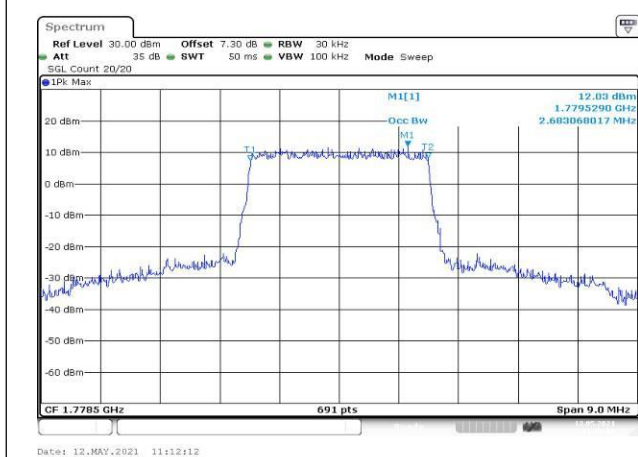
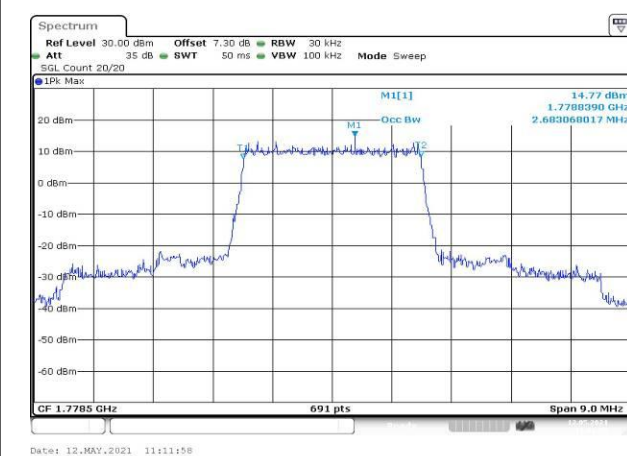
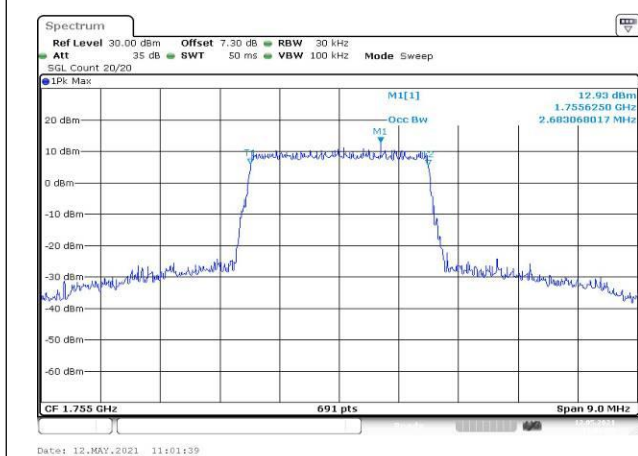
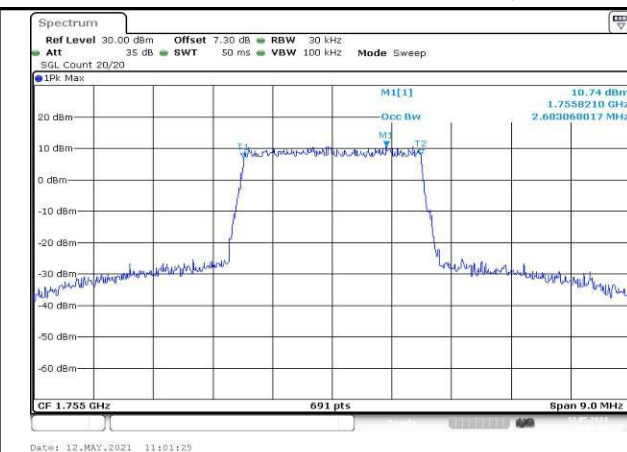
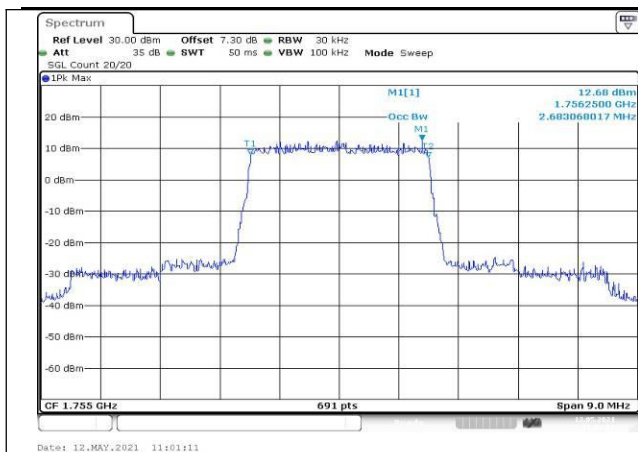
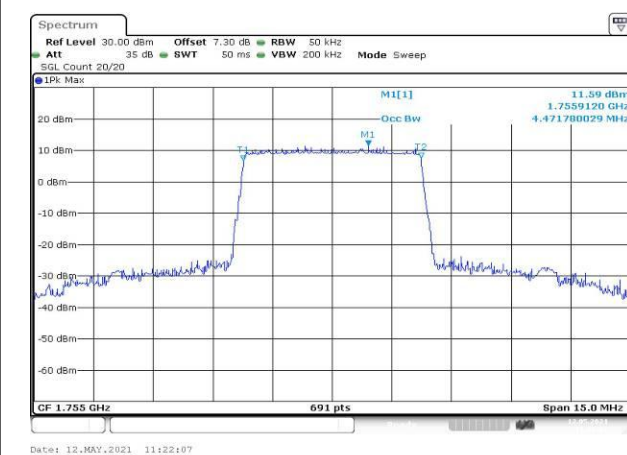
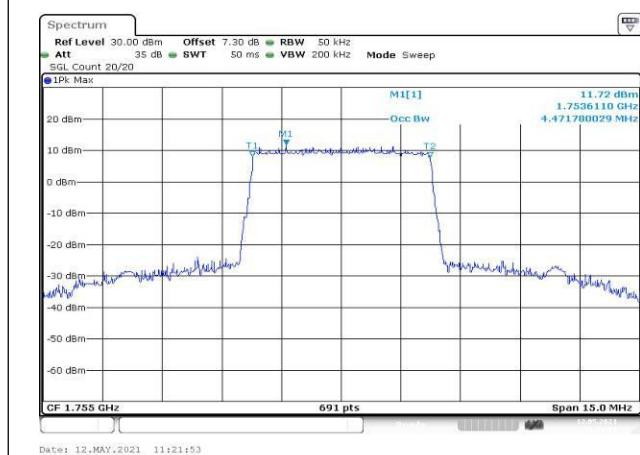
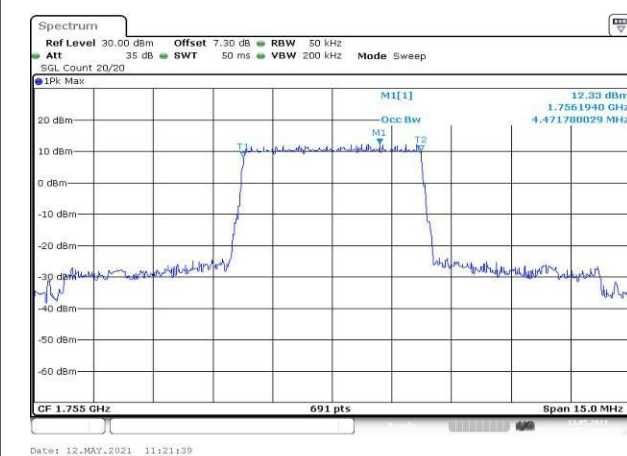
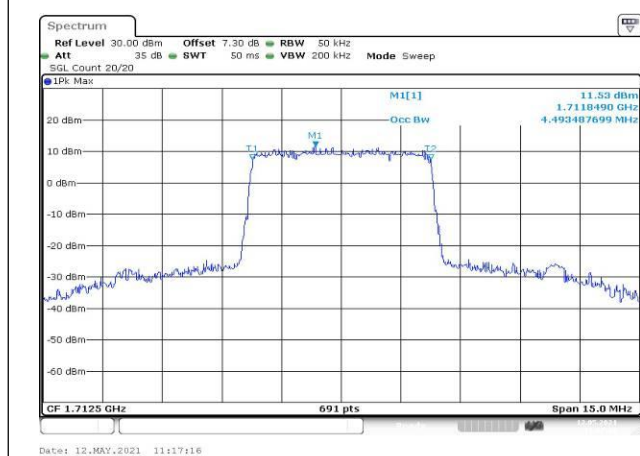
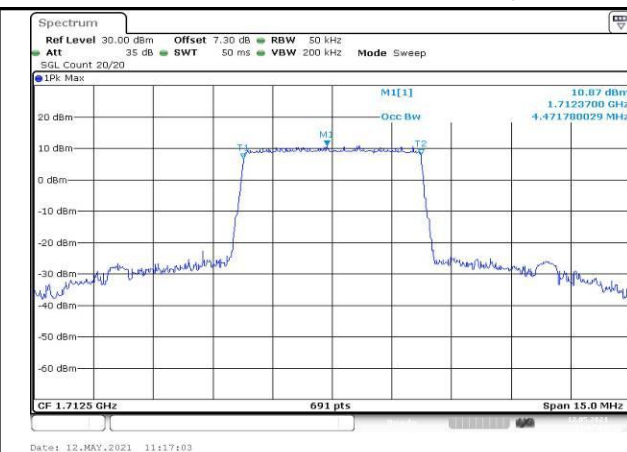
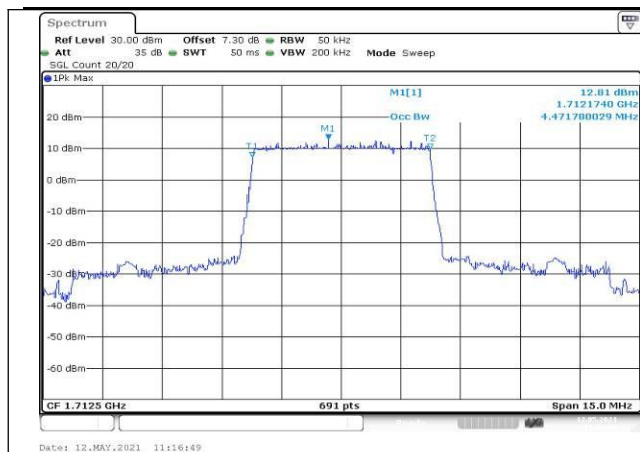


Fig.6







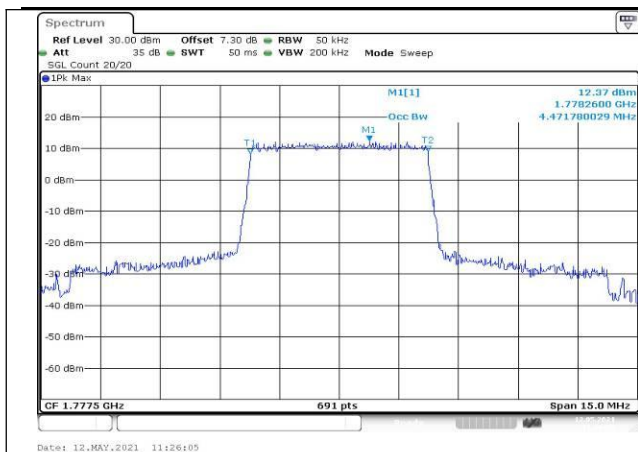


Fig.25



Fig.26

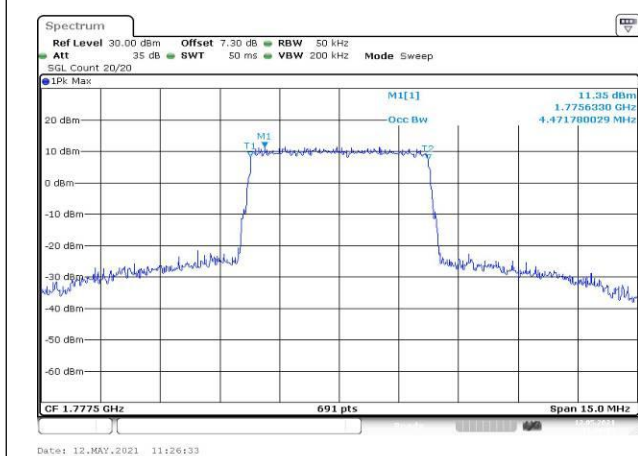


Fig.27

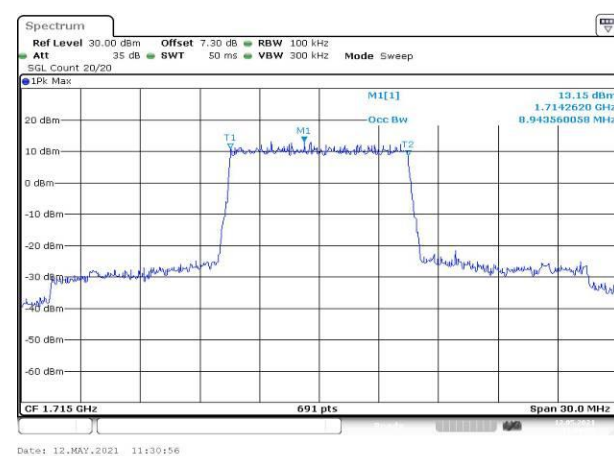


Fig.28

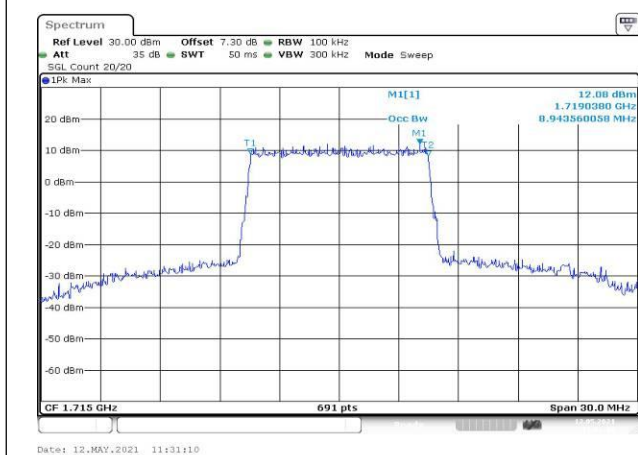


Fig.29

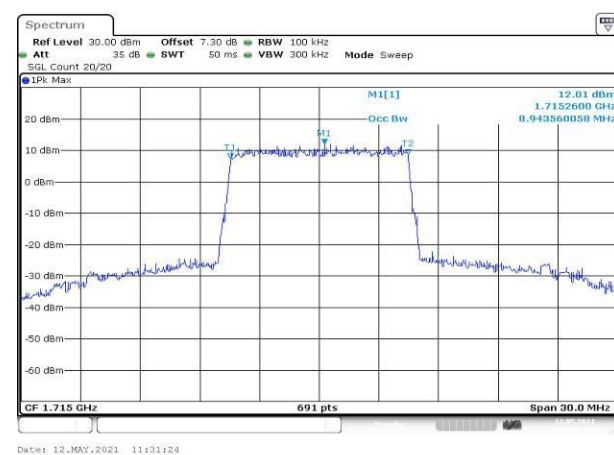
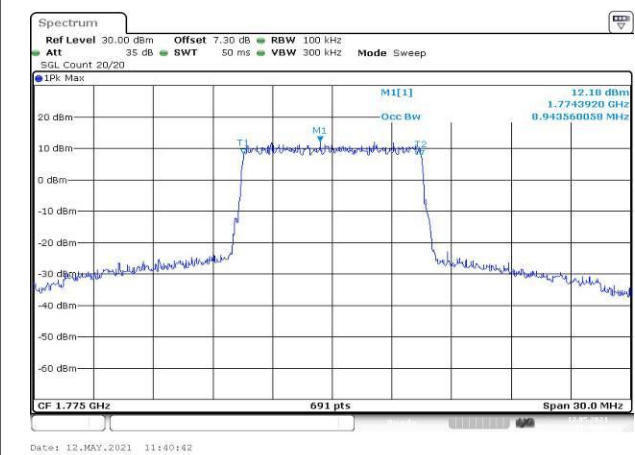
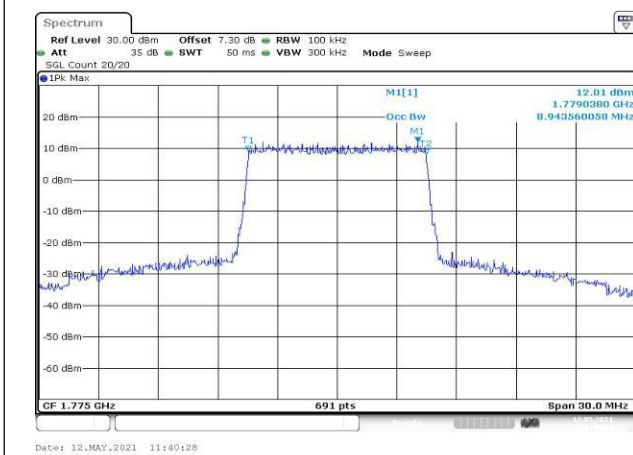
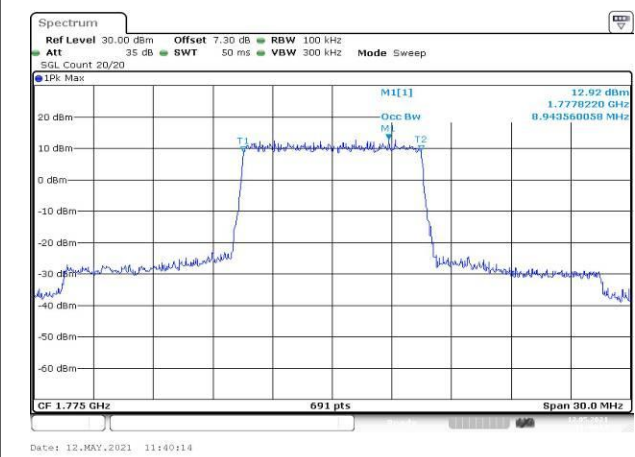
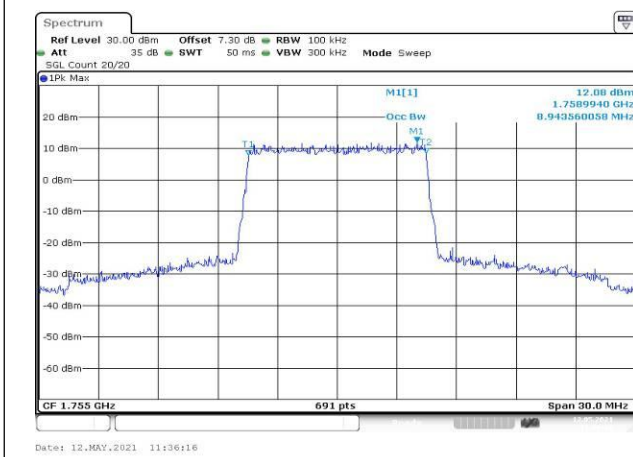
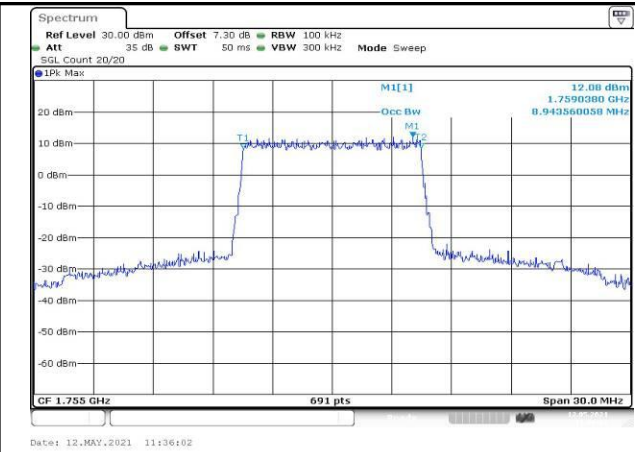
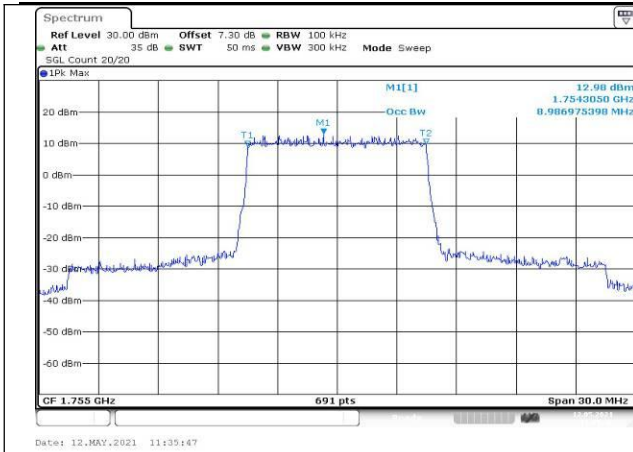
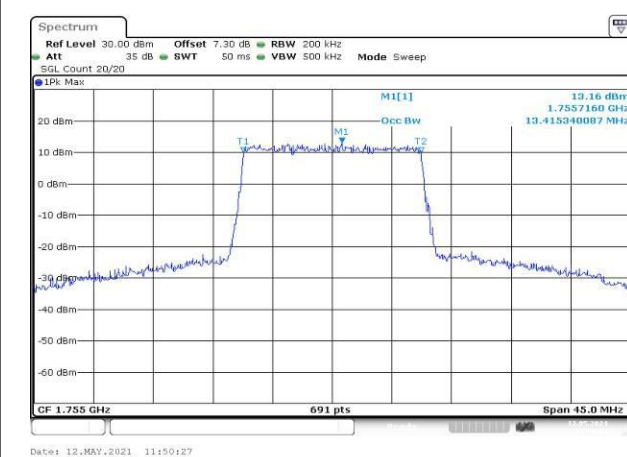
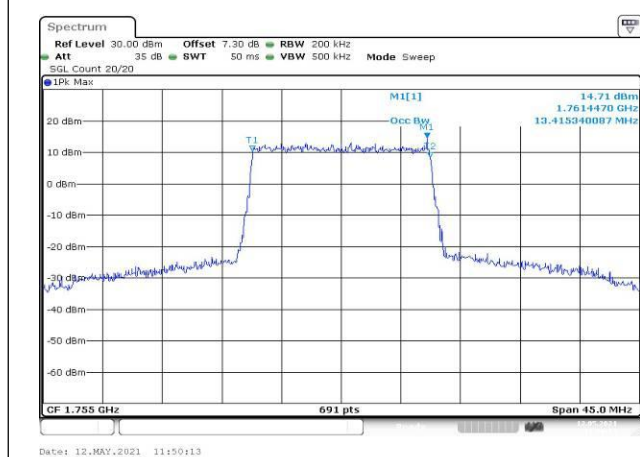
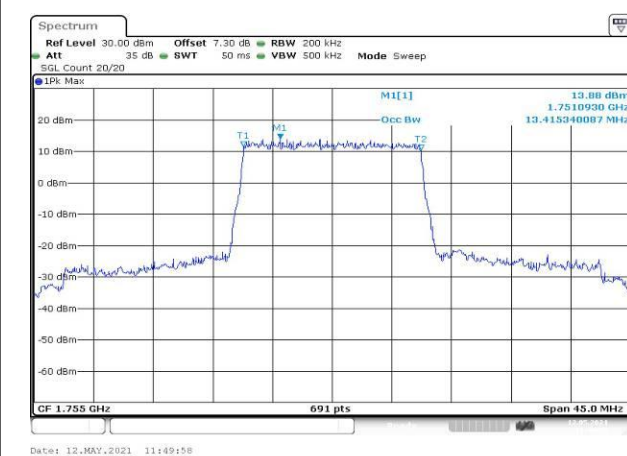
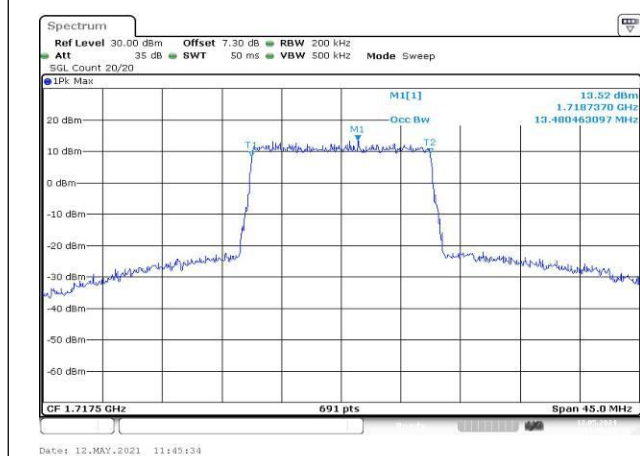
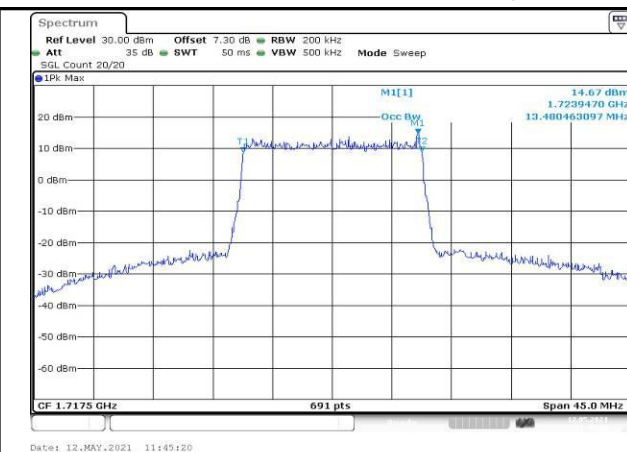
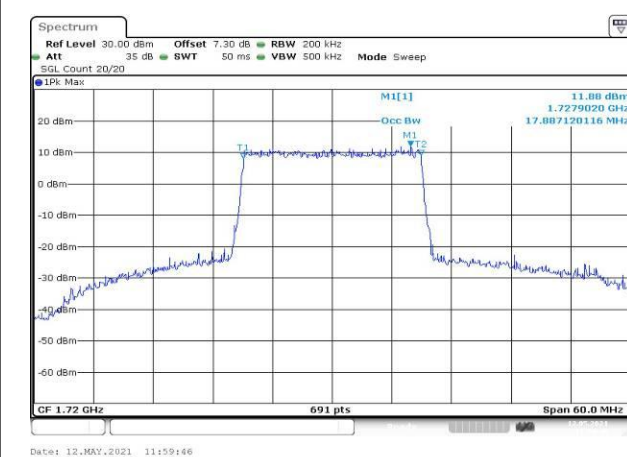
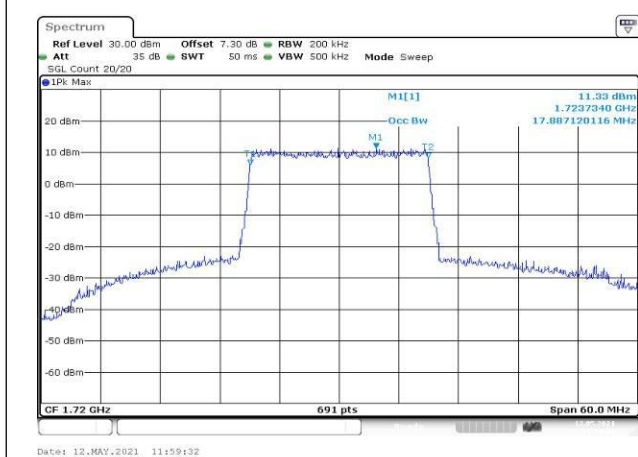
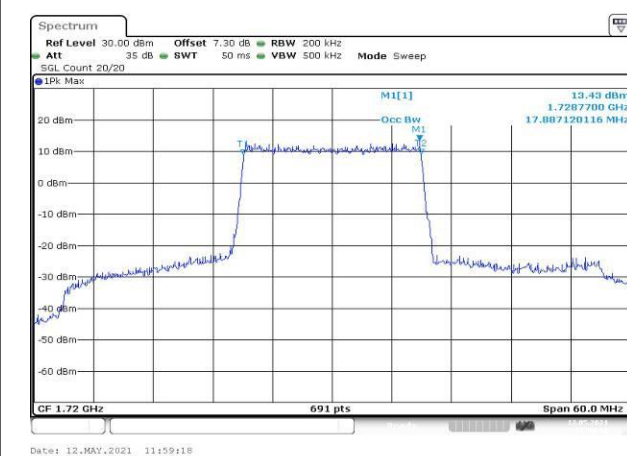
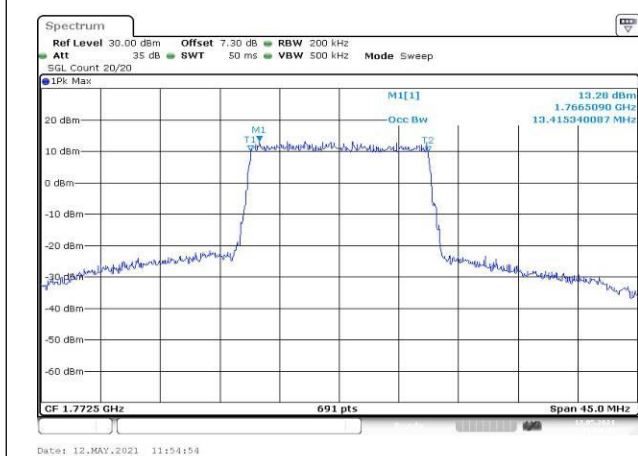
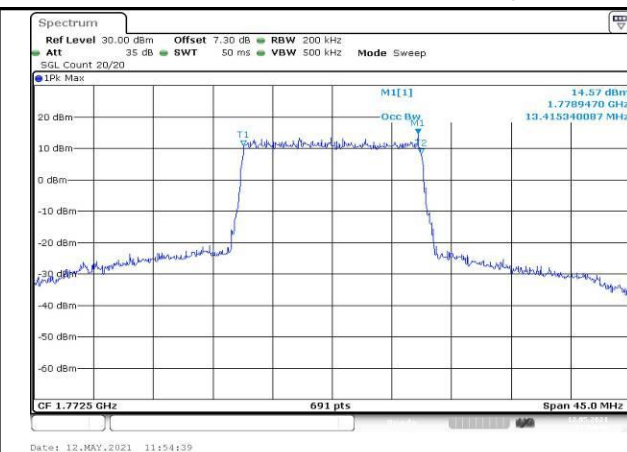
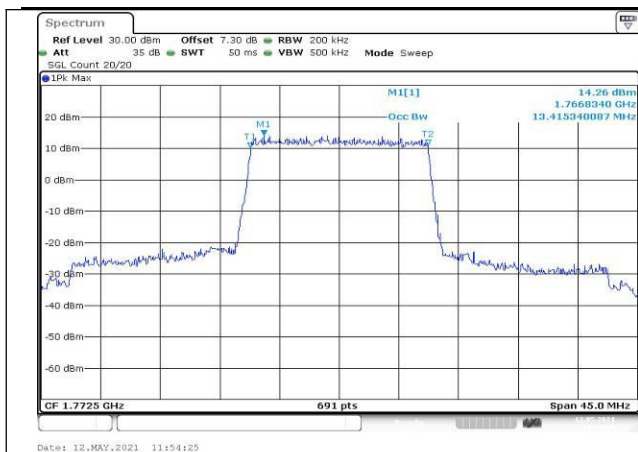
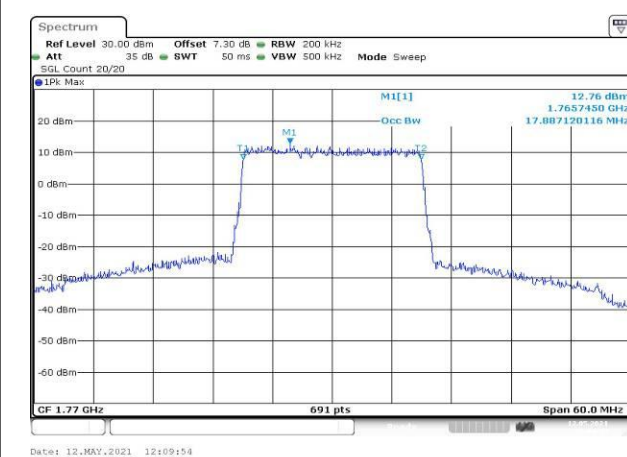
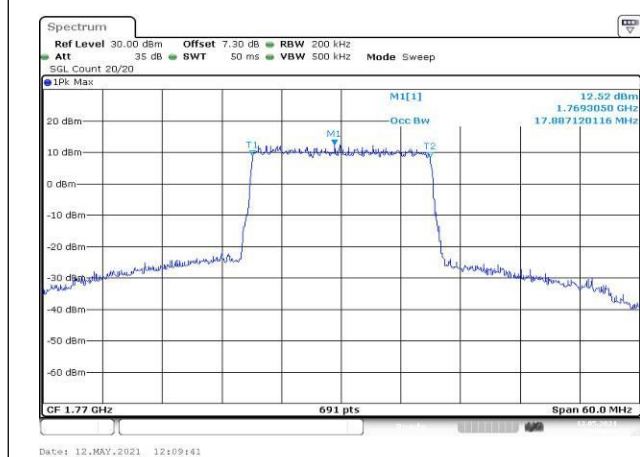
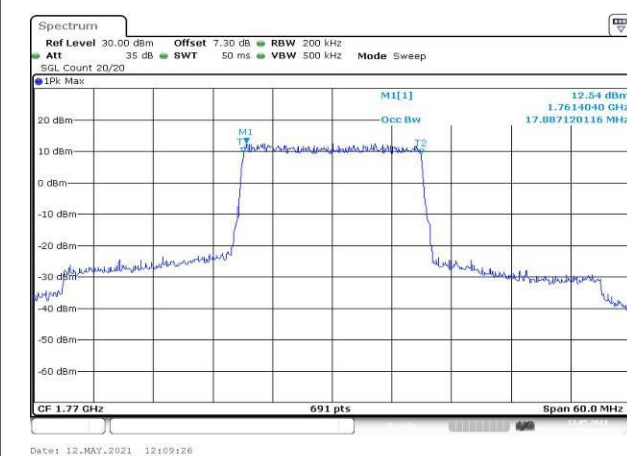
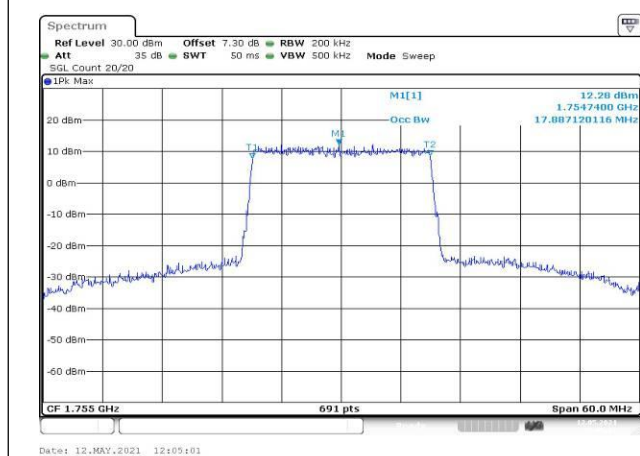
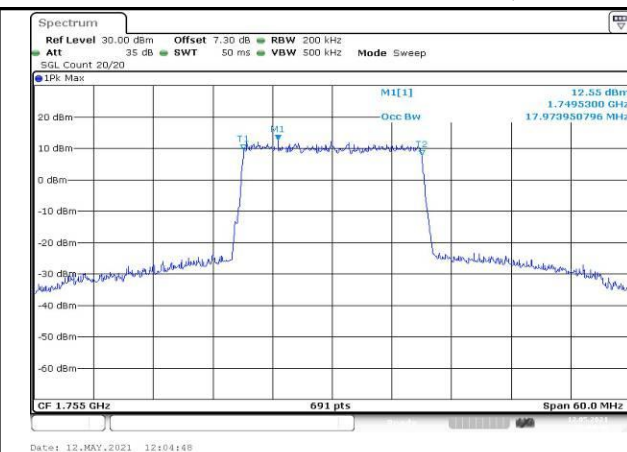
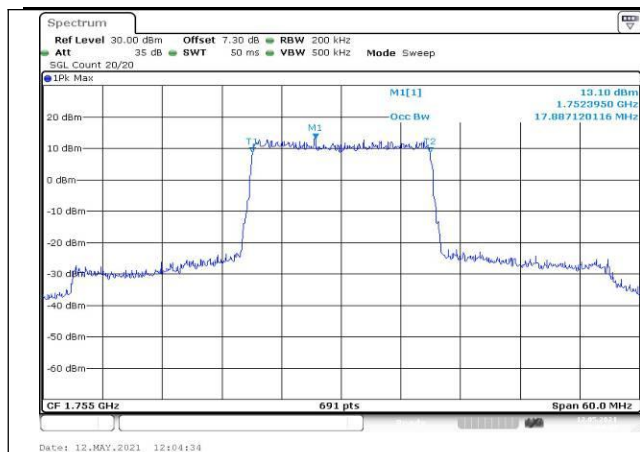


Fig.30









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	
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

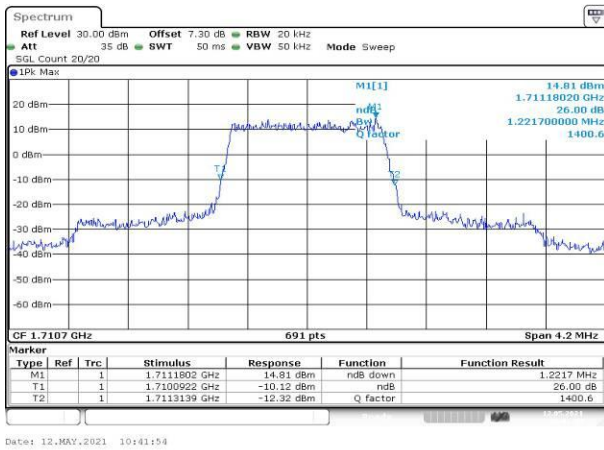


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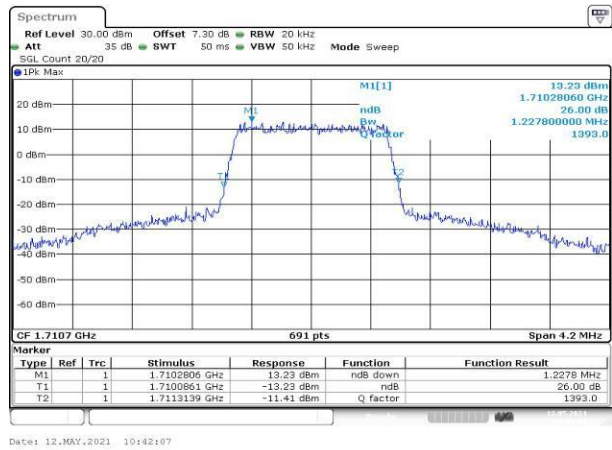


Fig.2

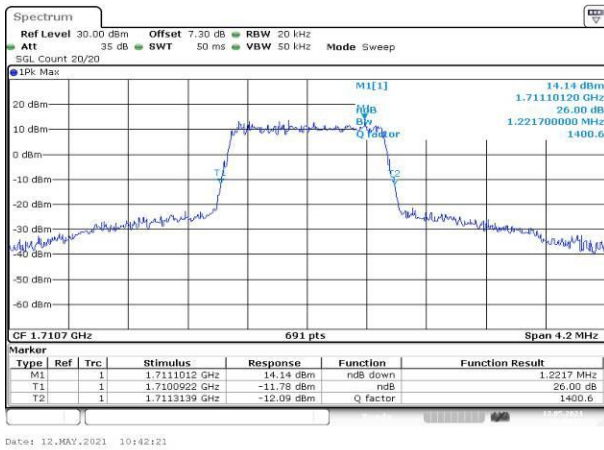


Fig.3

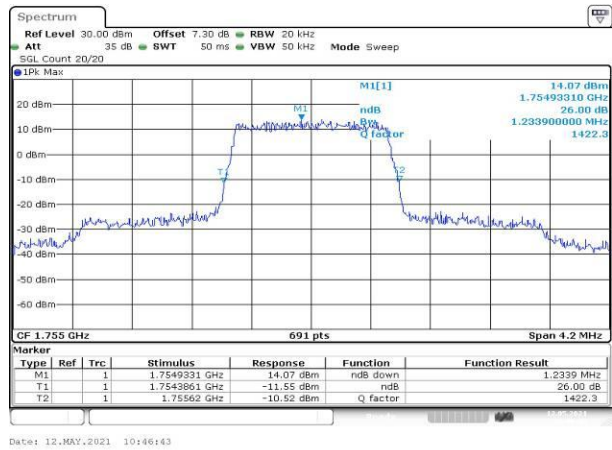


Fig.4

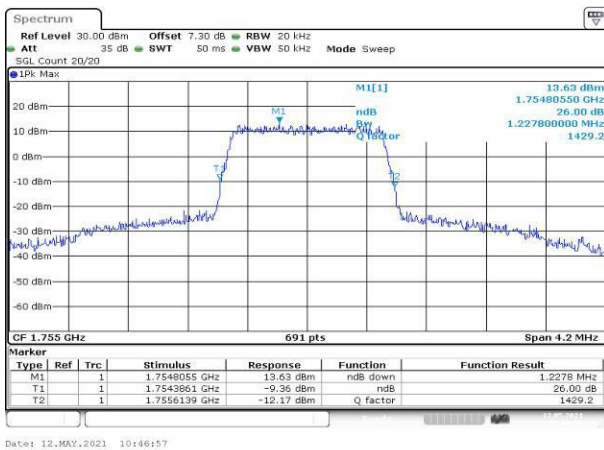


Fig.5

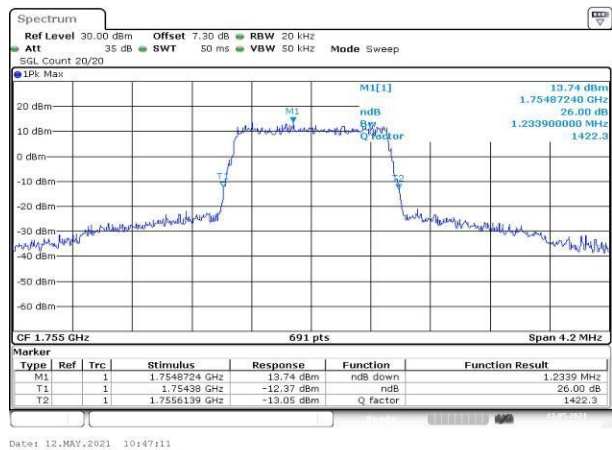
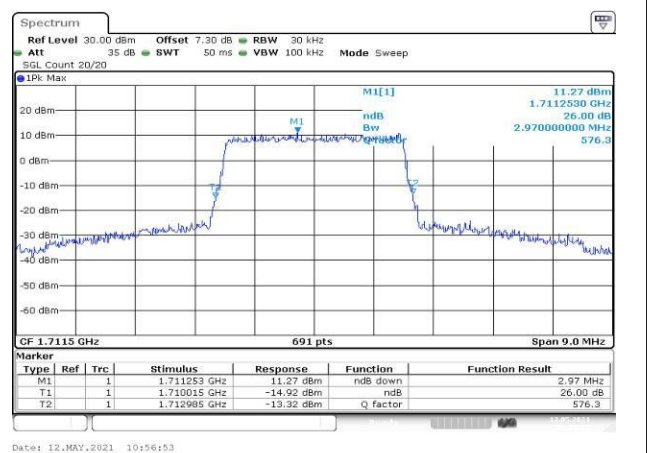
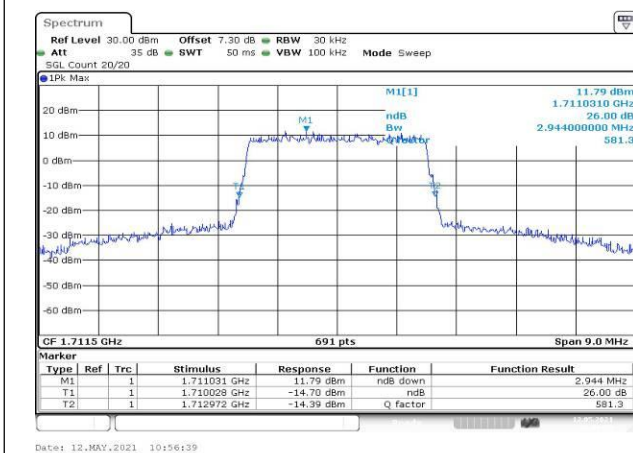
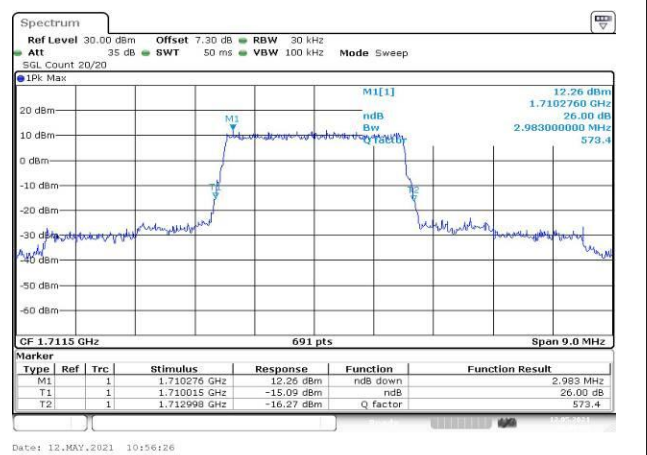
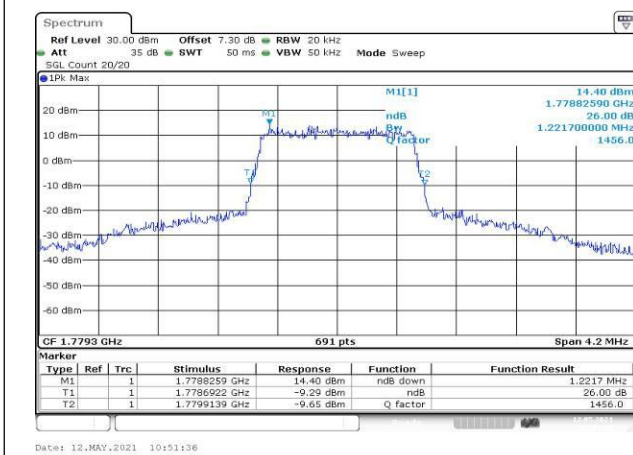
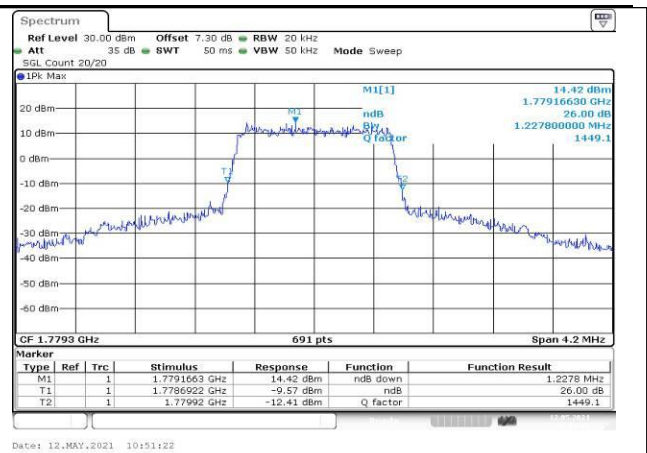
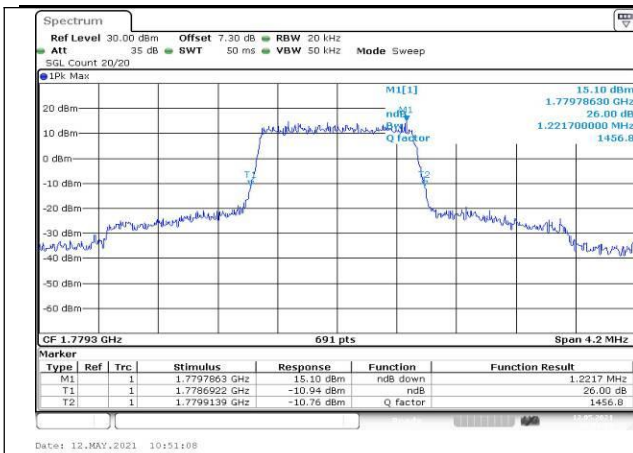
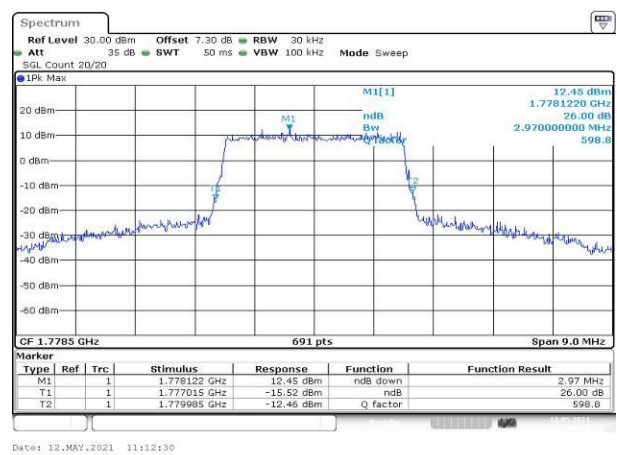
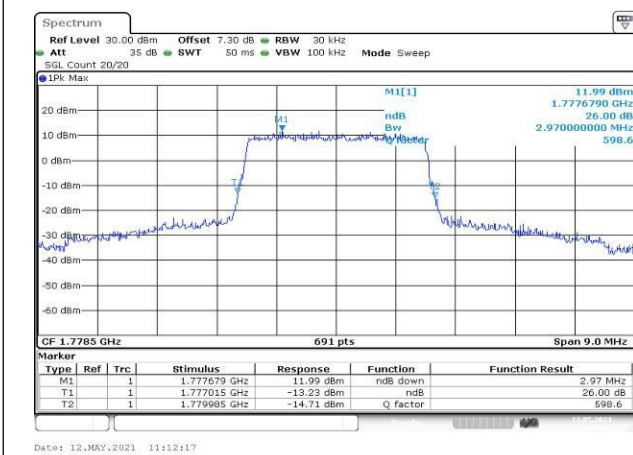
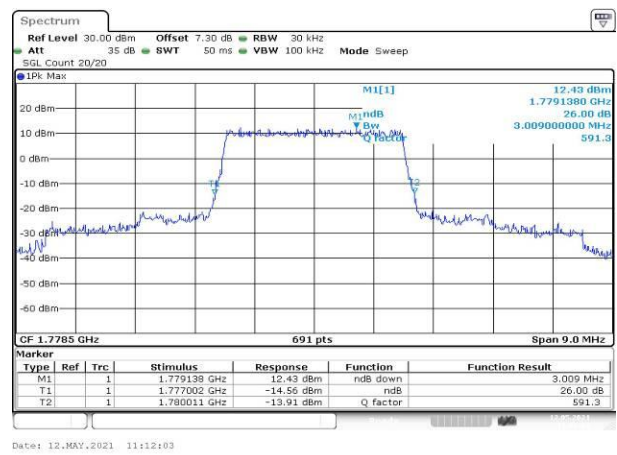
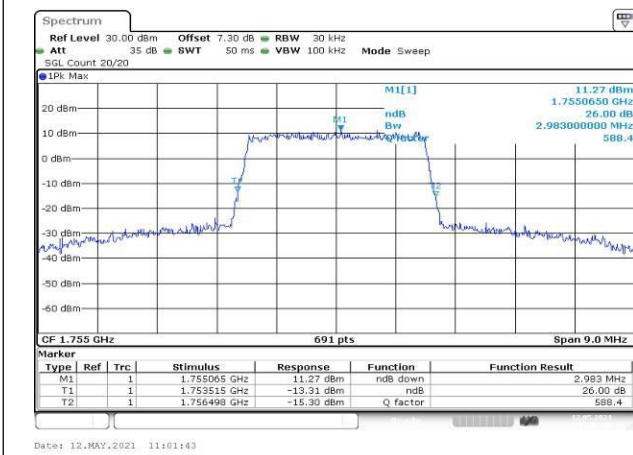
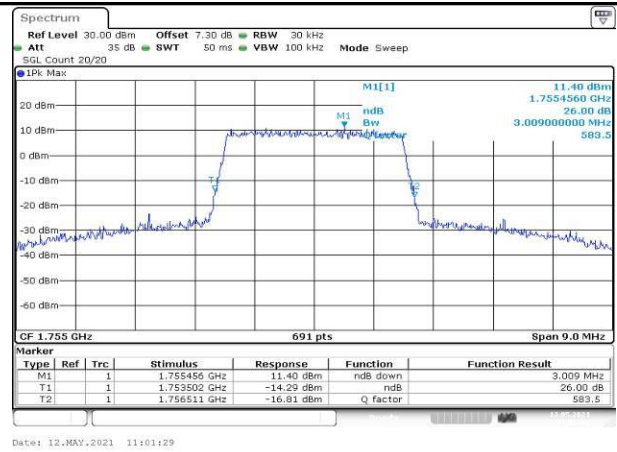
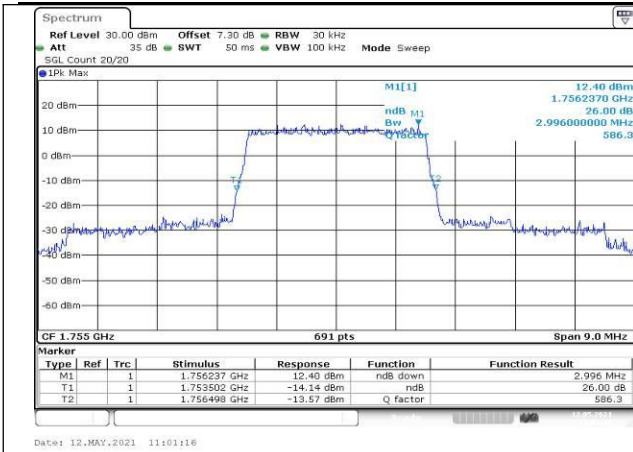


Fig.6





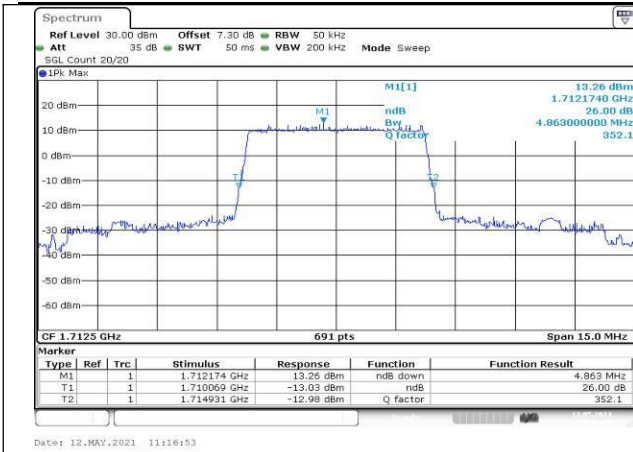


Fig.19

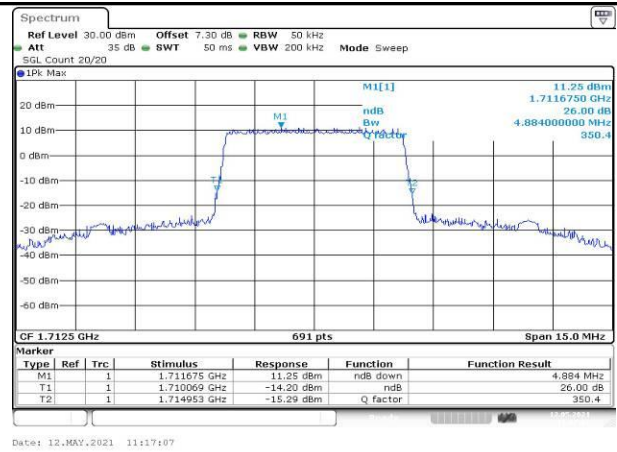


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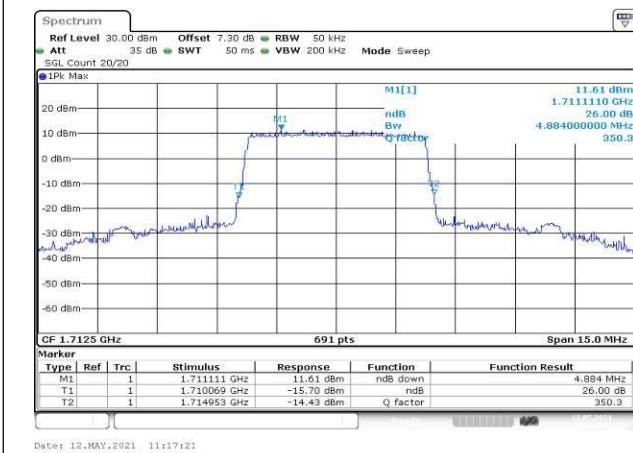


Fig.21

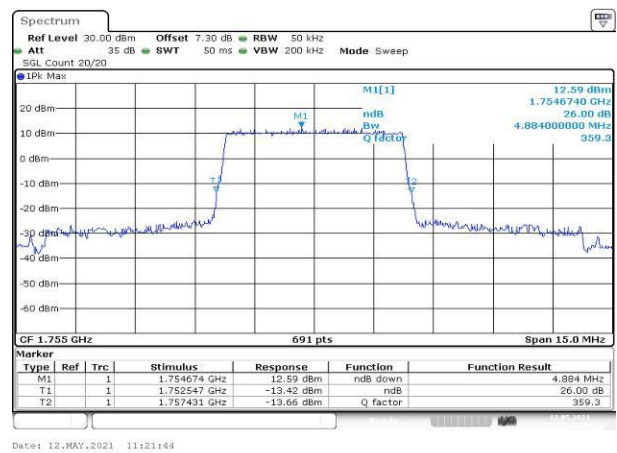


Fig.22

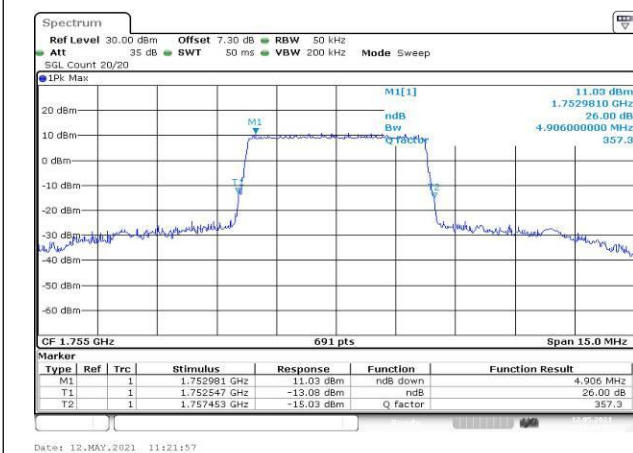


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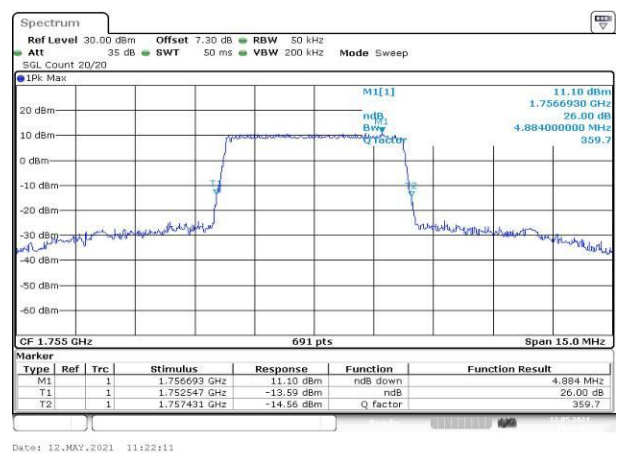


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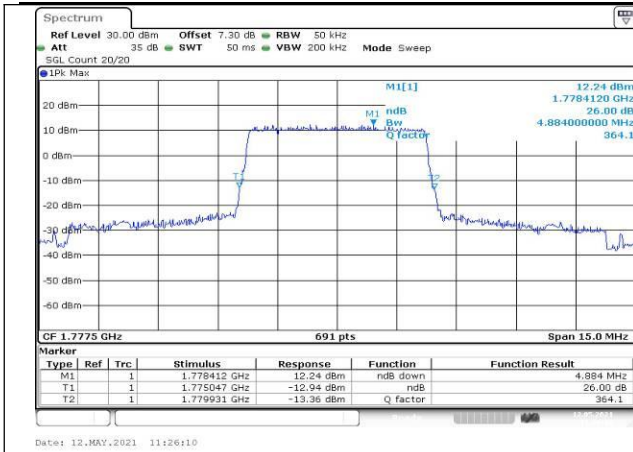


Fig.25

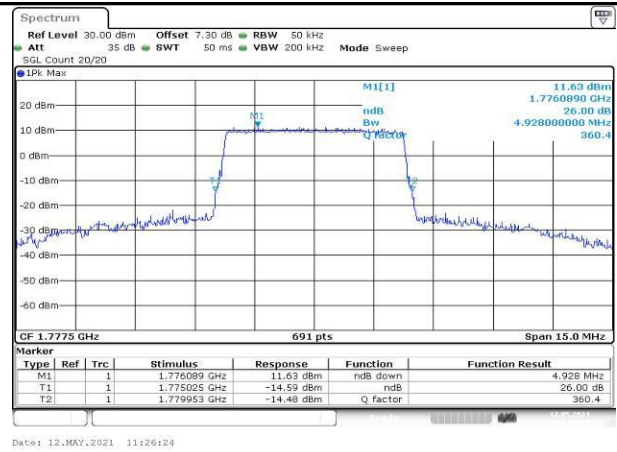


Fig.26

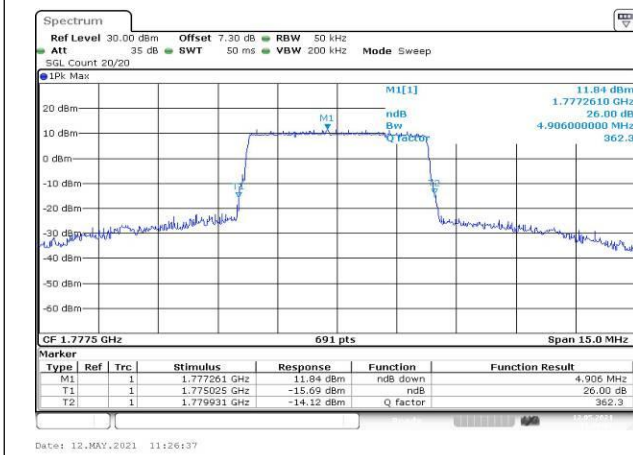


Fig.27

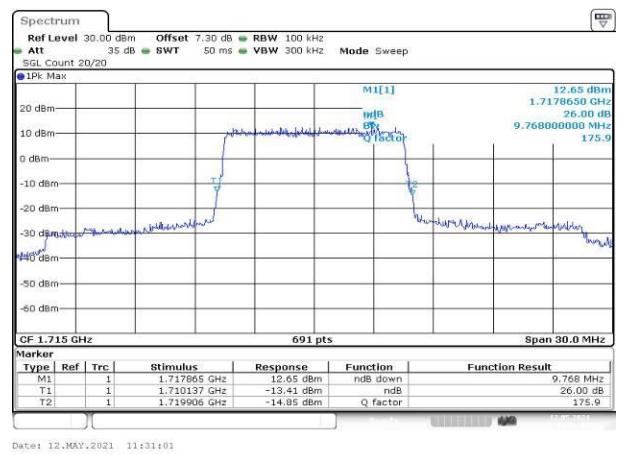


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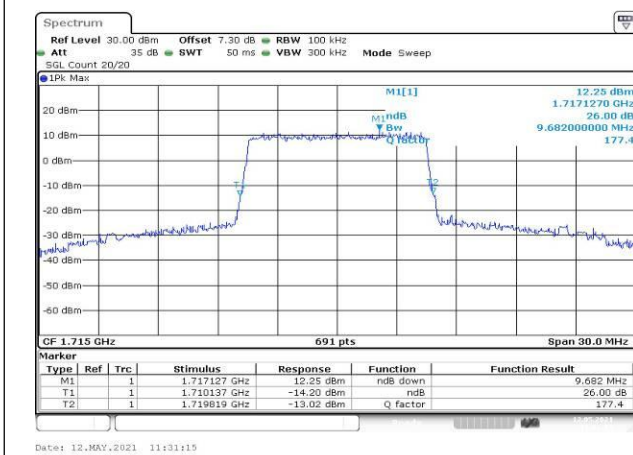


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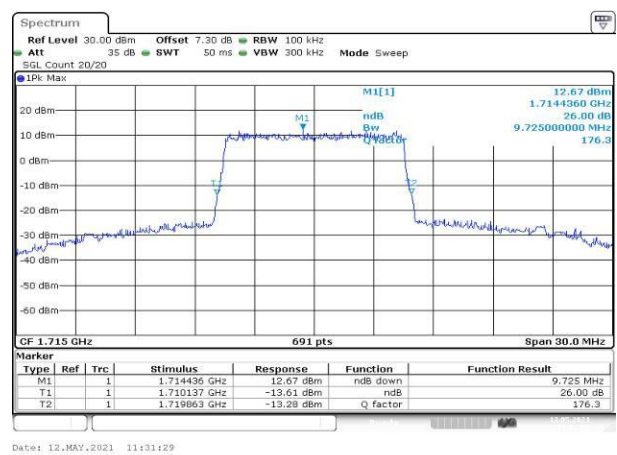


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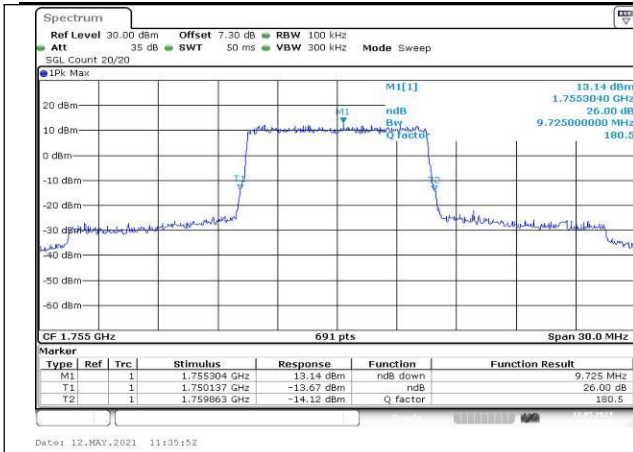


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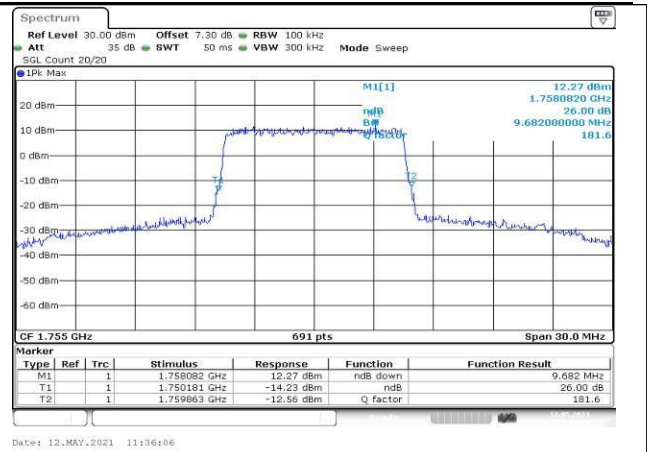


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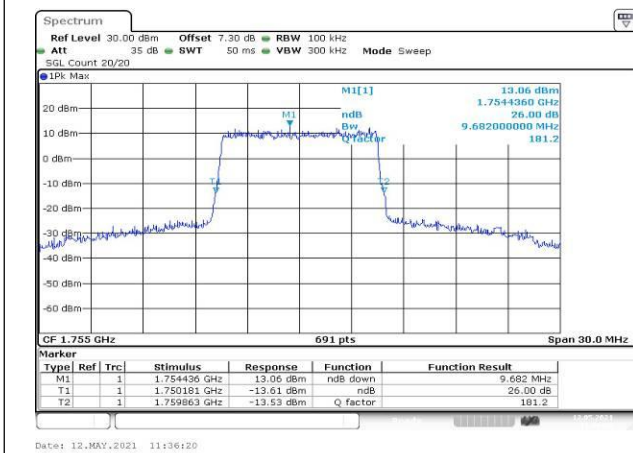


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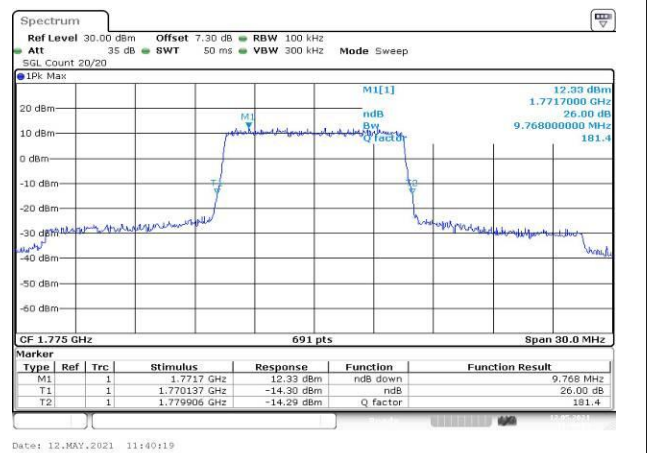


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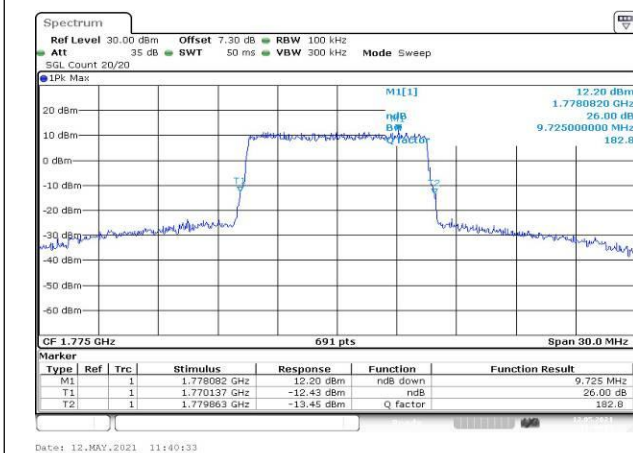


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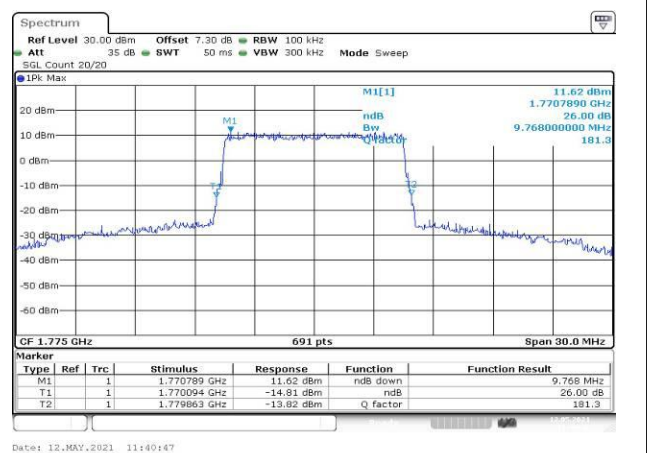


Fig.36

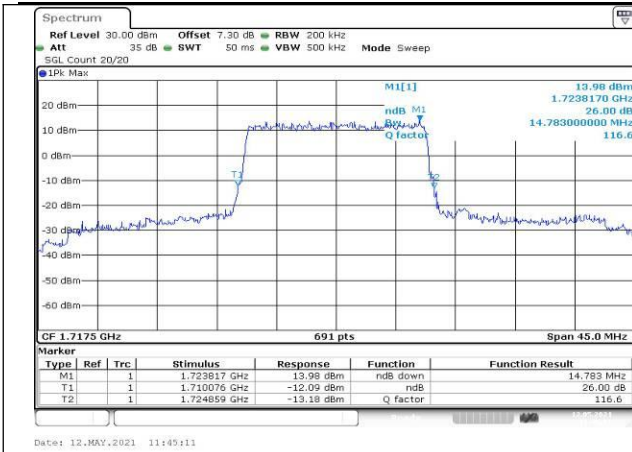


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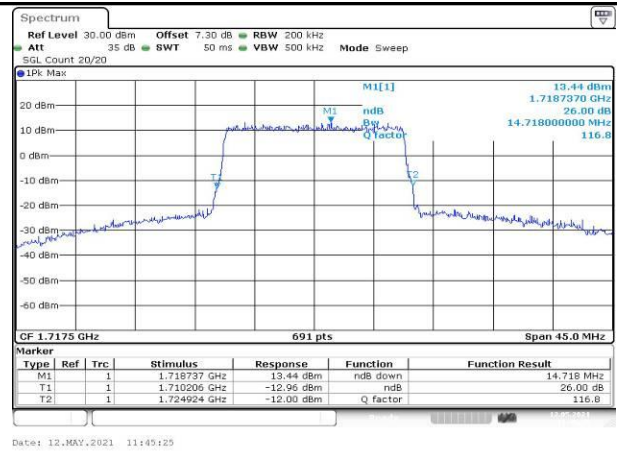


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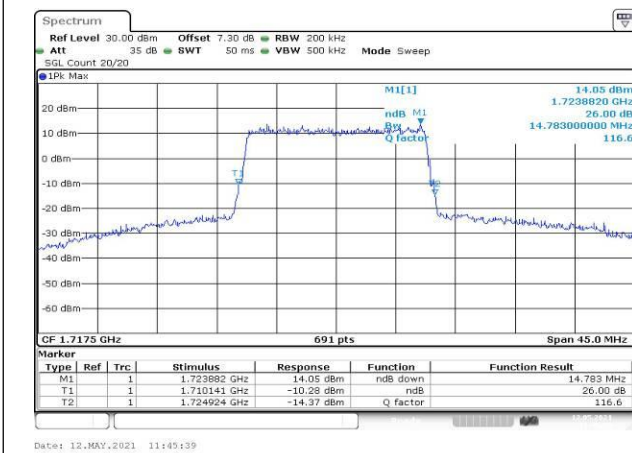


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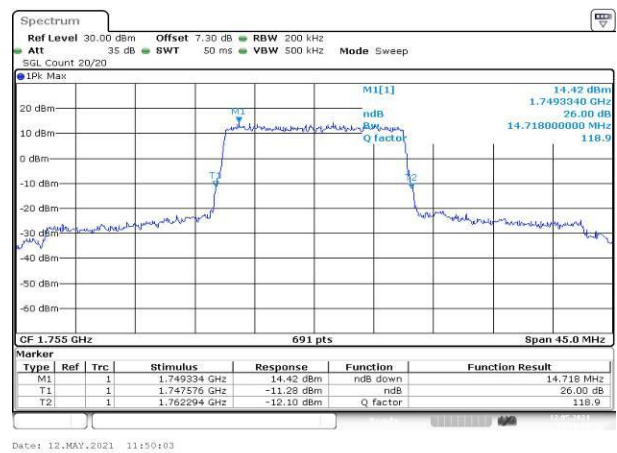


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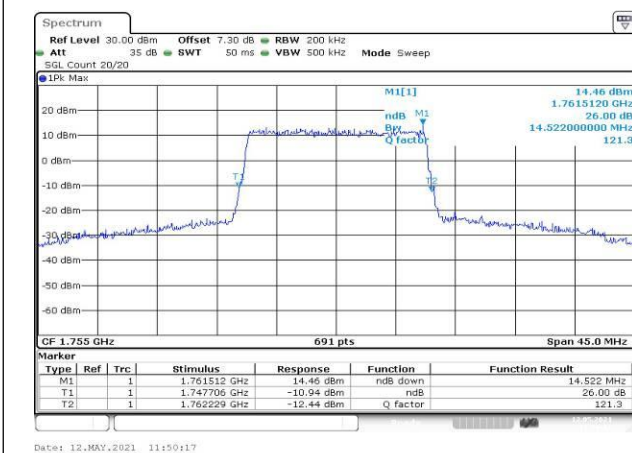


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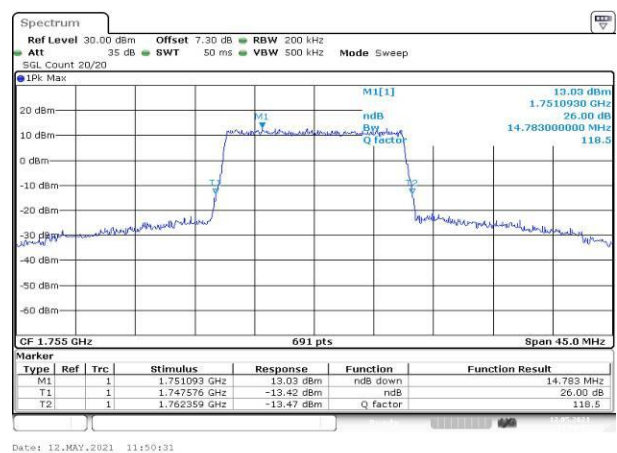


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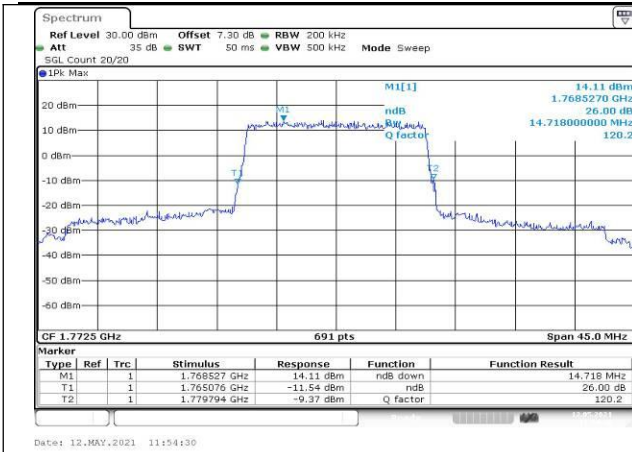


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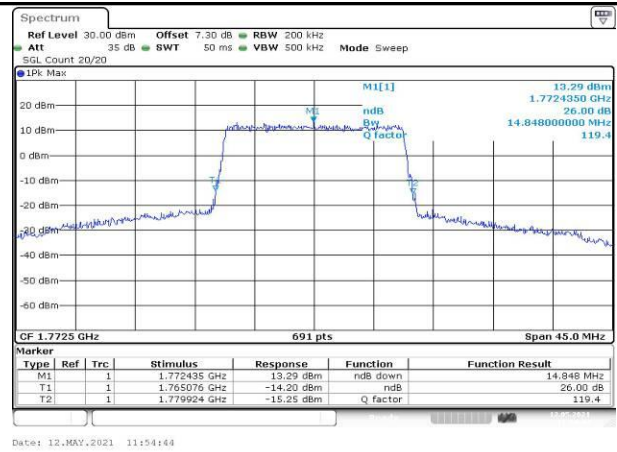


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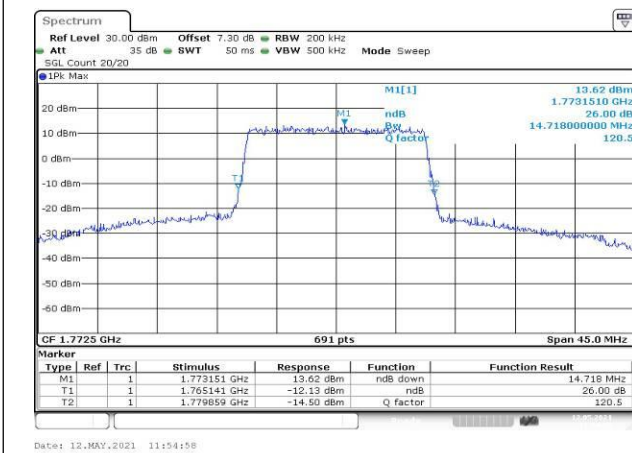


Fig.45

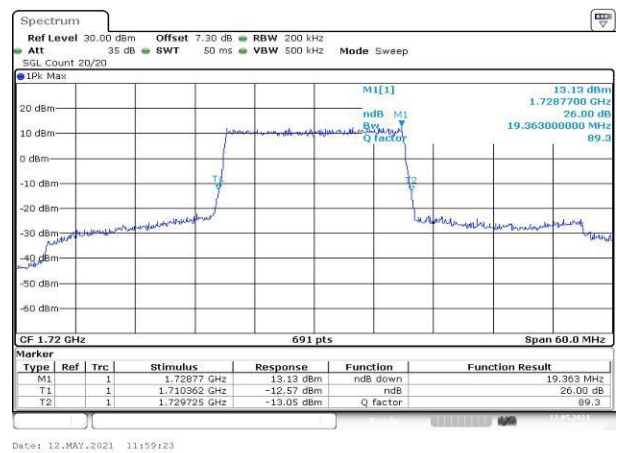


Fig.46

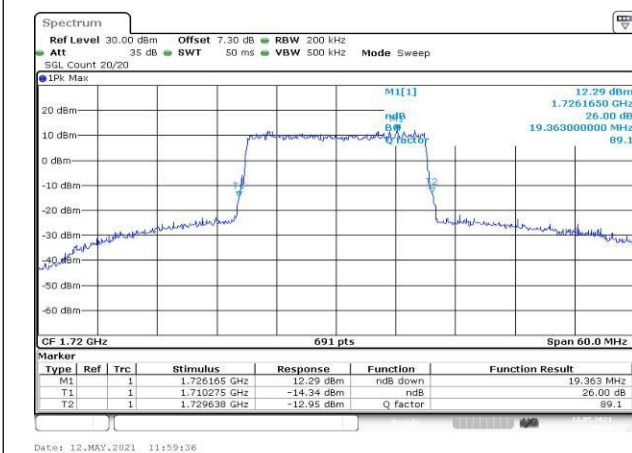


Fig.47

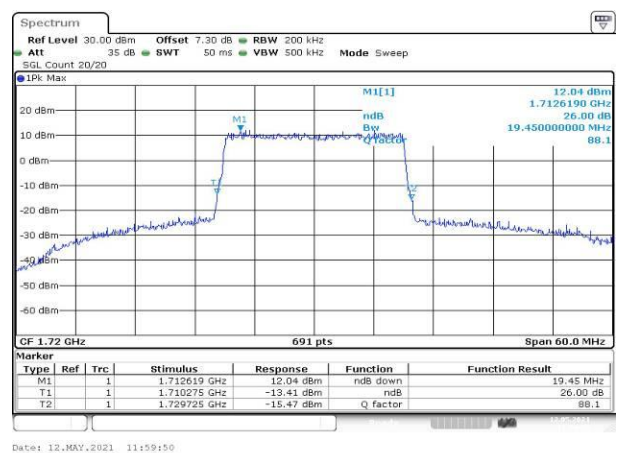


Fig.48