

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 66

1 RF Power Output

Tx Power Output							
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1710.7	131979	1.4	1	0	24.46	
				1	3	24.61	
				1	5	24.56	
				3	0	24.56	
				3	1	24.58	
				3	3	24.57	
	6	0		23.51			
	1755	132422		1	0	24.37	
				1	3	24.28	
				1	5	24.28	
				3	0	24.25	
				3	1	24.25	
				3	3	24.24	
	6	0		23.25			
	1779.3	132665		1	0	24.09	
				1	3	24.03	
				1	5	24.08	
				3	0	24.24	
				3	1	24.34	
				3	3	24.23	
	6	0		23.17			
	16QAM	1710.7		131979	1	0	24.36
					1	3	24.32
					1	5	24.31
3					0	23.65	
3					1	23.72	
3					3	23.72	
6		0		22.80			
1755		132422		1	0	23.31	
				1	3	23.44	
				1	5	23.40	
				3	0	23.16	
				3	1	23.27	
				3	3	23.25	
6		0		22.44			
1779.3		132665		1	0	23.00	
				1	3	23.10	
				1	5	23.09	
				3	0	23.02	
				3	1	22.95	
				3	3	22.95	
6		0		22.21			

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1710.7	131979	1.4	1	0	22.80
				1	3	22.56
				1	5	22.56
				3	0	22.56
				3	1	22.56
				3	3	22.56
				6	0	22.56
	1755	132422		1	0	22.57
				1	3	22.39
				1	5	22.44
				3	0	22.35
				3	1	22.29
				3	3	22.45
				6	0	22.34
	1779.3	132665		1	0	22.17
				1	3	22.21
				1	5	22.21
				3	0	22.17
				3	1	22.24
				3	3	22.17
				6	0	22.17

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1711.5	131987	3	1	0	24.54	
				1	8	24.52	
				1	14	24.48	
				8	0	23.47	
				8	4	23.45	
				8	7	23.45	
				15	0	23.49	
	1755	132422		1	0	24.31	
				1	8	24.25	
				1	14	24.32	
				8	0	23.12	
				8	4	23.14	
				8	7	23.13	
				15	0	23.13	
	1778.5	132657		1	0	24.07	
				1	8	24.10	
				1	14	24.03	
				8	0	23.14	
				8	4	23.08	
				8	7	23.13	
				15	0	23.22	
	16QAM	1711.5		131987	1	0	23.42
					1	8	23.42
					1	14	23.42
8					0	22.77	
8					4	22.77	
8					7	22.77	
15					0	22.72	
1755		132422	1	0	23.06		
			1	8	23.08		
			1	14	23.09		
			8	0	22.54		
			8	4	22.39		
			8	7	22.45		
			15	0	22.44		
1778.5		132657	1	0	22.78		
			1	8	22.65		
			1	14	22.80		
			8	0	22.37		
			8	4	22.43		
			8	7	22.43		
15	0	22.33					

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1711.5	131987	3	1	0	22.68
				1	8	22.72
				1	14	22.64
				8	0	22.76
				8	4	22.67
				8	7	22.72
				15	0	22.64
	1755	132422		1	0	22.44
				1	8	22.33
				1	14	22.44
				8	0	22.43
				8	4	22.44
				8	7	22.43
				15	0	22.43
	1778.5	132657		1	0	22.33
				1	8	22.32
				1	14	22.32
				8	0	22.29
				8	4	22.29
				8	7	22.29
				15	0	22.32

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1712.5	131997	5	1	0	24.33	
				1	12	24.40	
				1	24	24.46	
				12	0	23.56	
				12	7	23.46	
				12	13	23.45	
				25	0	23.60	
	1755	132422		1	0	24.12	
				1	12	24.09	
				1	24	24.11	
				12	0	23.18	
				12	7	23.19	
				12	13	23.18	
				25	0	23.17	
	1777.5	132647		1	0	24.15	
				1	12	24.06	
				1	24	24.10	
				12	0	23.14	
				12	7	23.14	
				12	13	23.13	
				25	0	23.06	
	16QAM	1712.5		131997	1	0	23.58
					1	12	23.59
					1	24	23.57
12					0	22.67	
12					7	22.63	
12					13	22.60	
25					0	22.72	
1755		132422	1	0	22.96		
			1	12	22.92		
			1	24	23.00		
			12	0	22.22		
			12	7	22.17		
			12	13	22.16		
			25	0	22.22		
1777.5		132647	1	0	22.83		
			1	12	22.75		
			1	24	22.86		
			12	0	22.07		
			12	7	22.02		
			12	13	22.00		
			25	0	22.14		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1712.5	131997	5	1	0	22.71
				1	12	22.72
				1	24	22.48
				12	0	22.60
				12	7	22.55
				12	13	22.71
				25	0	22.67
	1755	132422		1	0	22.22
				1	12	22.22
				1	24	22.22
				12	0	22.21
				12	7	22.21
				12	13	22.42
				25	0	22.42
	1777.5	132647		1	0	22.35
				1	12	22.34
				1	24	22.35
				12	0	22.34
				12	7	22.34
				12	13	22.34
				25	0	22.34

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1715	132022	10	1	0	24.58	
				1	25	24.57	
				1	49	24.53	
				25	0	23.49	
				25	12	23.62	
				25	25	23.62	
				50	0	23.62	
	1755	132422		1	0	24.22	
				1	25	24.33	
				1	49	24.30	
				25	0	23.26	
				25	12	23.23	
				25	25	23.22	
				50	0	23.18	
	1775	132622		1	0	24.17	
				1	25	24.01	
				1	49	24.05	
				25	0	23.19	
				25	12	23.07	
				25	25	23.06	
				50	0	23.15	
	16QAM	1715		132022	1	0	23.56
					1	25	23.49
					1	49	23.38
25					0	22.87	
25					12	22.66	
25					25	22.87	
50					0	22.80	
1755		132422		1	0	22.96	
				1	25	22.94	
			1	49	22.95		
			25	0	22.47		
			25	12	22.37		
			25	25	22.41		
			50	0	22.35		
1775		132622	1	0	23.15		
			1	25	22.65		
			1	49	22.74		
			25	0	22.32		
			25	12	22.43		
			25	25	22.42		
			50	0	22.24		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1715	132022	10	1	0	22.64
				1	25	22.56
				1	49	22.73
				25	0	22.77
				25	12	22.69
				25	25	22.65
				50	0	22.68
	1755	132422		1	0	22.35
				1	25	22.34
				1	49	22.34
				25	0	22.34
				25	12	22.33
				25	25	22.33
				50	0	22.33
	1775	132622		1	0	22.24
				1	25	22.20
				1	49	22.31
				25	0	22.23
				25	12	22.35
				25	25	22.30
				50	0	22.35

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	132047	15	1	0	24.50
				1	37	24.40
				1	74	24.34
				36	0	23.51
				36	29	23.43
				36	30	23.58
				75	0	23.58
	1755	132422		1	0	24.33
				1	37	24.25
				1	74	24.32
				36	0	23.25
				36	29	23.14
				36	30	23.13
				75	0	23.05
	1772.5	132597		1	0	24.04
				1	37	23.91
				1	74	23.92
				36	0	23.27
				36	29	23.09
				36	30	23.07
				75	0	23.18
16QAM	1717.5	132047	1	0	24.04	
			1	37	23.95	
			1	74	23.94	
			36	0	22.58	
			36	29	22.64	
			36	30	22.64	
			75	0	22.66	
	1755	132422	1	0	23.58	
			1	37	23.55	
			1	74	23.55	
			36	0	22.33	
			36	29	22.35	
			36	30	22.35	
			75	0	22.26	
	1772.5	132597	1	0	23.52	
			1	37	23.42	
			1	74	23.45	
			36	0	22.25	
			36	29	22.20	
			36	30	22.20	
			75	0	22.17	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1717.5	132047	15	1	0	22.66
				1	37	22.65
				1	74	22.65
				36	0	22.65
				36	29	22.65
				36	30	22.64
				75	0	22.64
	1755	132422		1	0	22.25
				1	37	22.25
				1	74	22.26
				36	0	22.26
				36	29	22.26
				36	30	22.26
				75	0	22.24
	1772.5	132597		1	0	22.18
				1	37	22.28
				1	74	22.28
				36	0	22.33
				36	29	22.28
				36	30	22.28
				75	0	22.27

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1720	132072	20	1	0	24.56	
				1	49	24.47	
				1	99	24.42	
				50	0	23.56	
				50	24	23.42	
				50	50	23.40	
				100	0	23.38	
	1755	132422		1	0	24.31	
				1	49	24.23	
				1	99	24.20	
				50	0	23.20	
				50	24	23.17	
				50	50	23.16	
				100	0	23.09	
	1770	132572		1	0	24.46	
				1	49	24.21	
				1	99	24.23	
				50	0	23.28	
				50	24	23.01	
				50	50	23.01	
				100	0	23.08	
	16QAM	1720		132072	1	0	24.38
					1	49	24.26
					1	99	24.24
50					0	22.65	
50					24	22.64	
50					50	22.54	
100					0	22.64	
1755		132422		1	0	23.96	
				1	49	23.86	
			1	99	23.71		
			50	0	22.23		
			50	24	22.19		
			50	50	22.20		
			100	0	22.28		
1770		132572	1	0	24.05		
			1	49	23.97		
			1	99	23.81		
			50	0	22.31		
			50	24	22.19		
			50	50	22.19		
			100	0	22.26		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1720	132072	20	1	0	22.63
				1	49	22.63
				1	99	22.62
				50	0	22.63
				50	24	22.64
				50	50	22.64
				100	0	22.63
	1755	132422		1	0	22.28
				1	49	22.28
				1	99	22.28
				50	0	22.28
				50	24	22.28
				50	50	22.27
				100	0	22.27
	1770	132572		1	0	22.27
				1	49	22.27
				1	99	22.27
				50	0	22.27
				50	24	22.27
				50	50	22.28
				100	0	22.27

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	1.088	Fig.1	1.088	Fig.2	1.094	Fig.3
	1755	132422		6	0	1.088	Fig.4	1.082	Fig.5	1.088	Fig.6
	1779.3	132665		6	0	1.088	Fig.7	1.088	Fig.8	1.088	Fig.9
	1711.5	131987	3	15	0	2.696	Fig.10	2.683	Fig.11	2.683	Fig.12
	1755	132422		15	0	2.696	Fig.13	2.696	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	4.450	Fig.20	4.472	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	8.944	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	13.415	Fig.37	13.415	Fig.38	13.415	Fig.39
	1755	132422		75	0	13.415	Fig.40	13.415	Fig.41	13.480	Fig.42
	1772.5	132597		75	0	13.415	Fig.43	13.480	Fig.44	13.480	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	17.974	Fig.51
	1770	132572		100	0	17.887	Fig.52	17.887	Fig.53	17.887	Fig.54

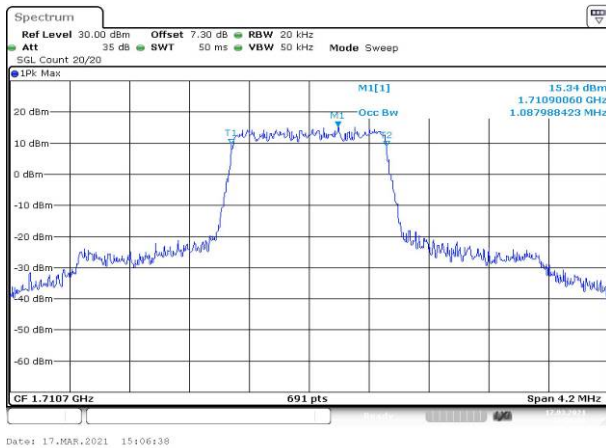


Fig.1

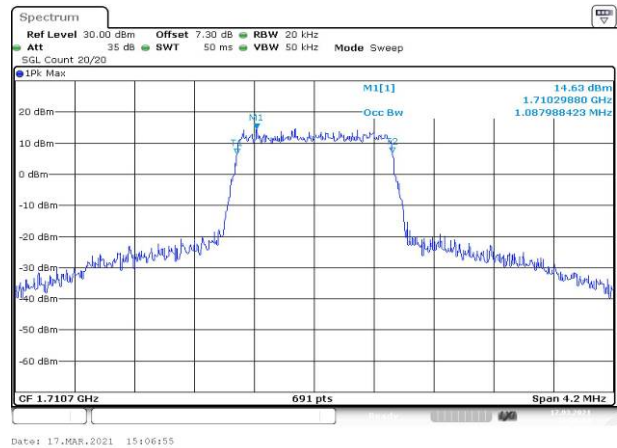


Fig.2

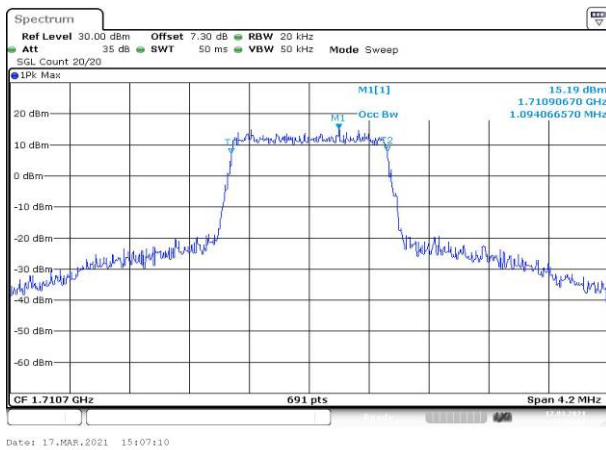


Fig.3

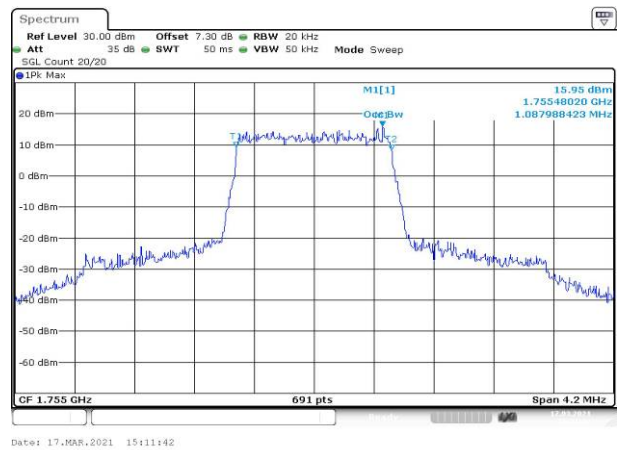


Fig.4

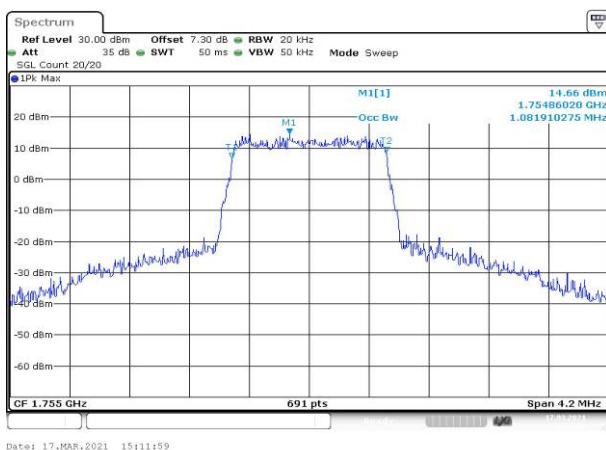


Fig.5

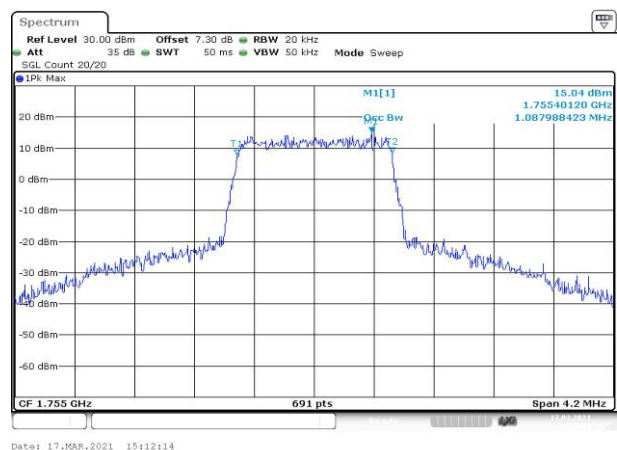
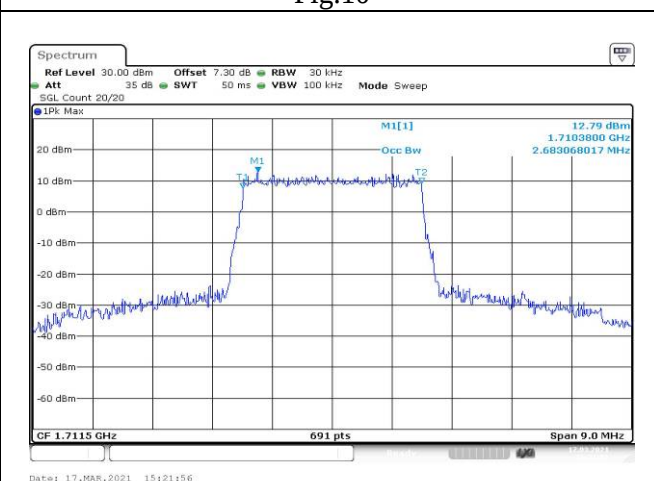
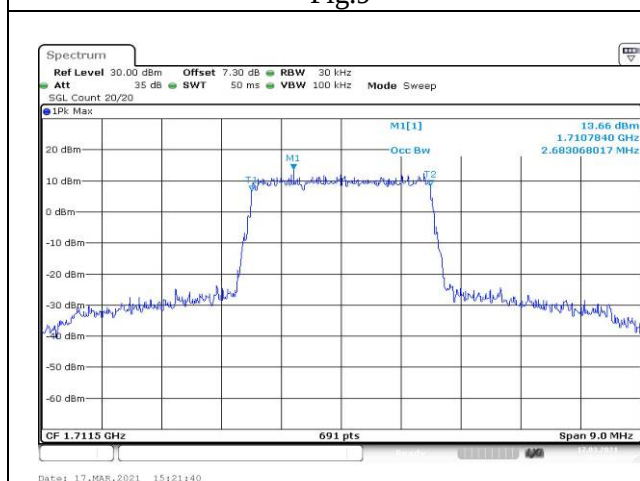
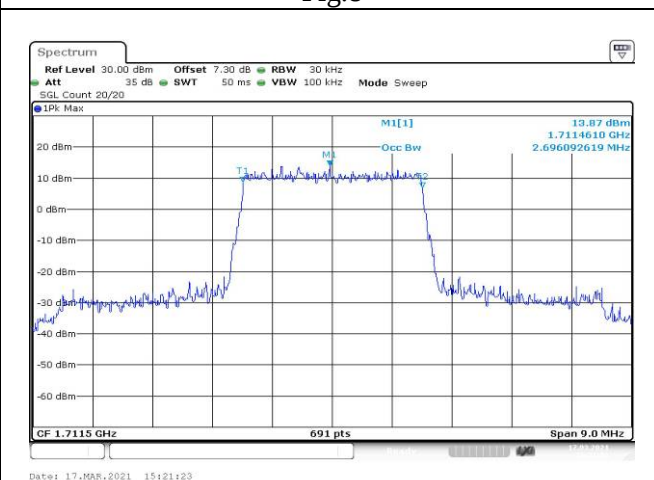
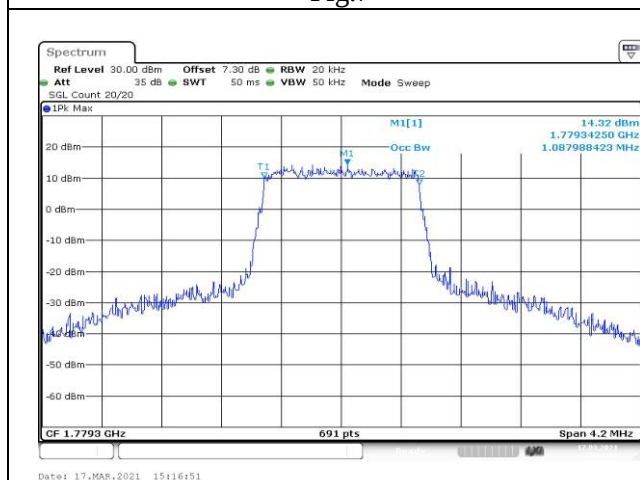
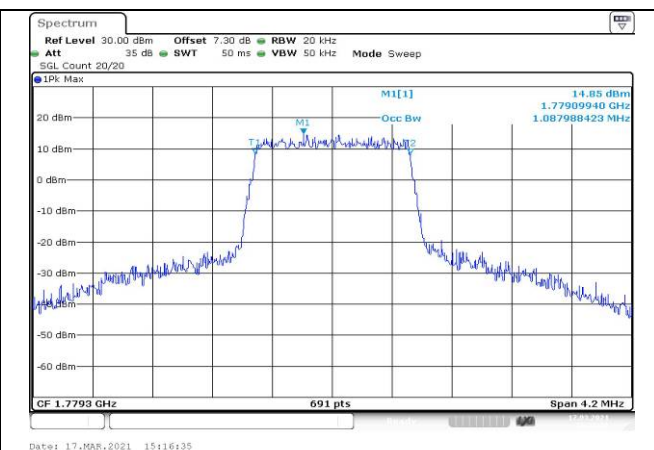
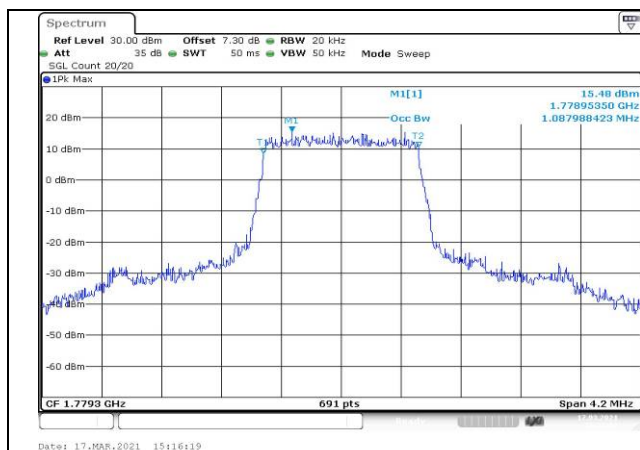


Fig.6



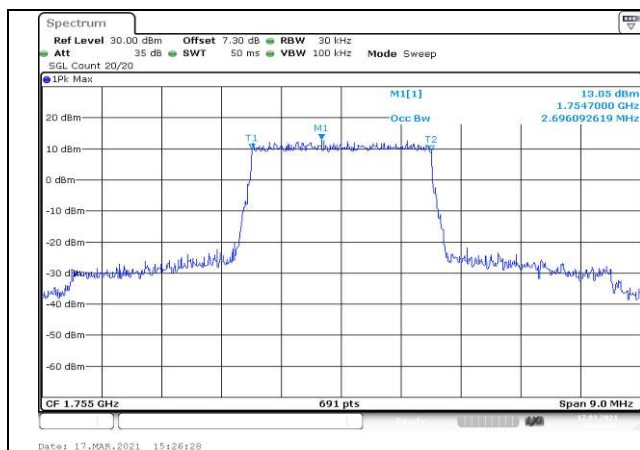


Fig.13

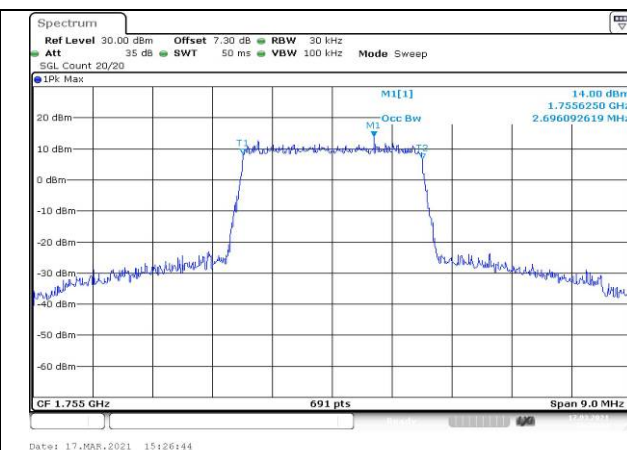


Fig.14

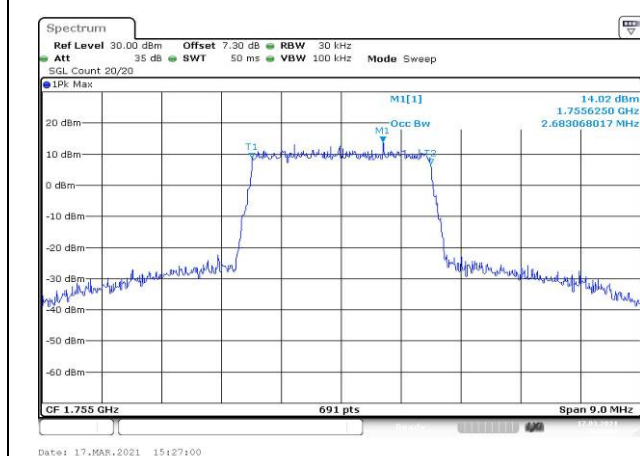


Fig.15

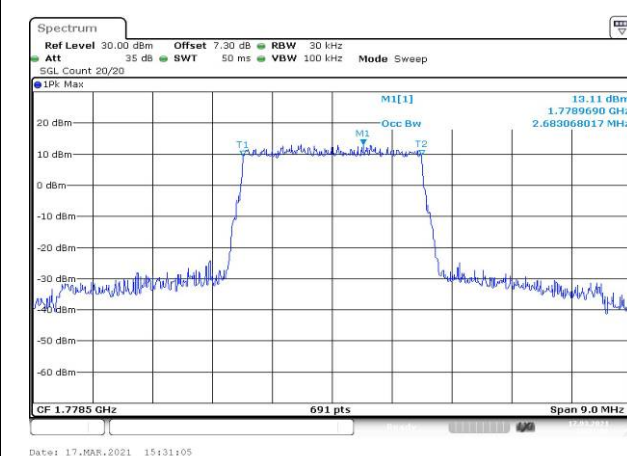


Fig.16

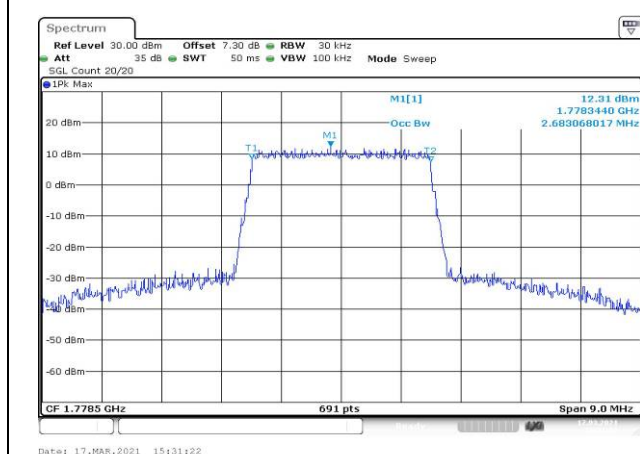


Fig.17

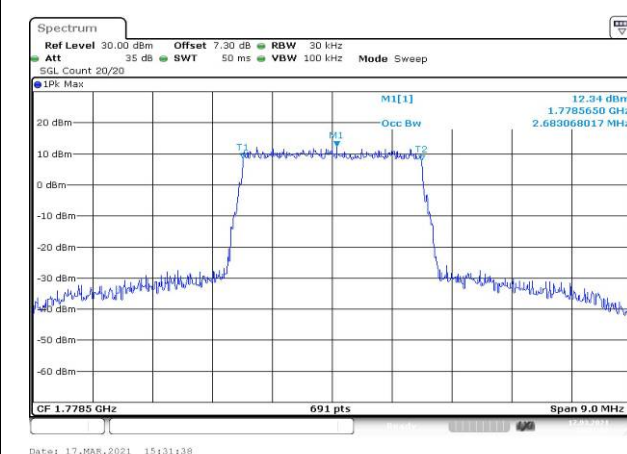


Fig.18

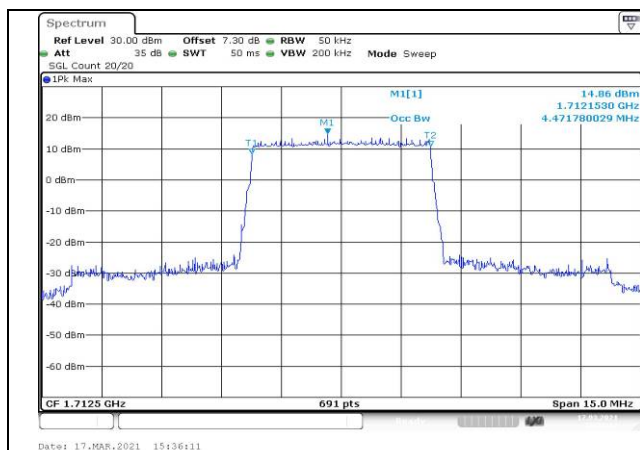


Fig.19

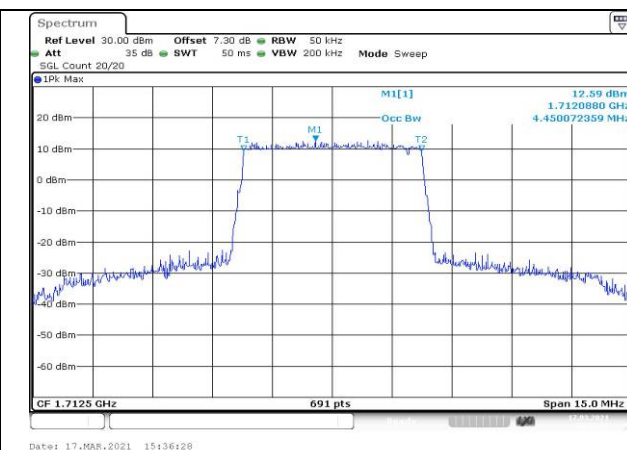


Fig.20

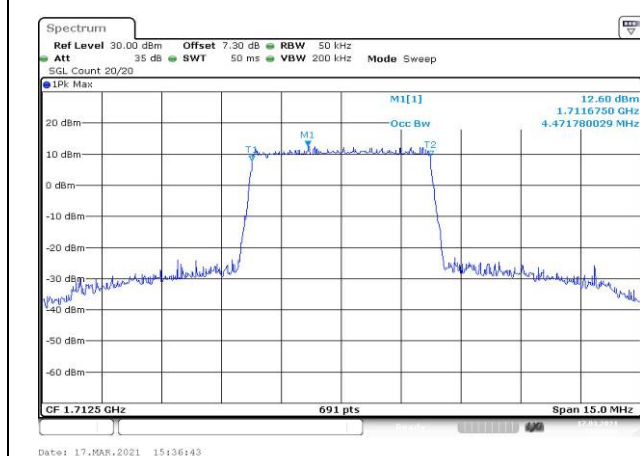


Fig.21

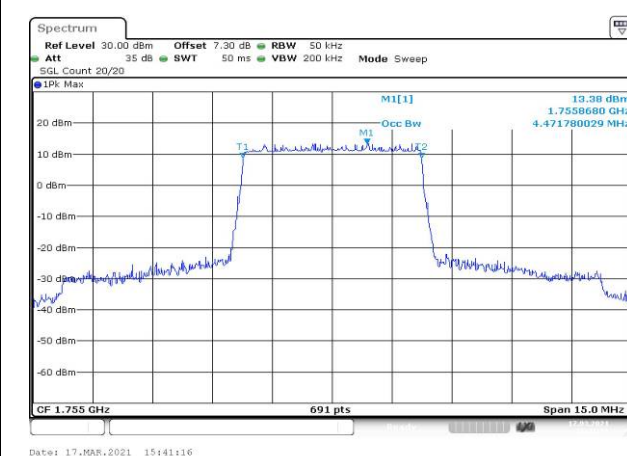


Fig.22

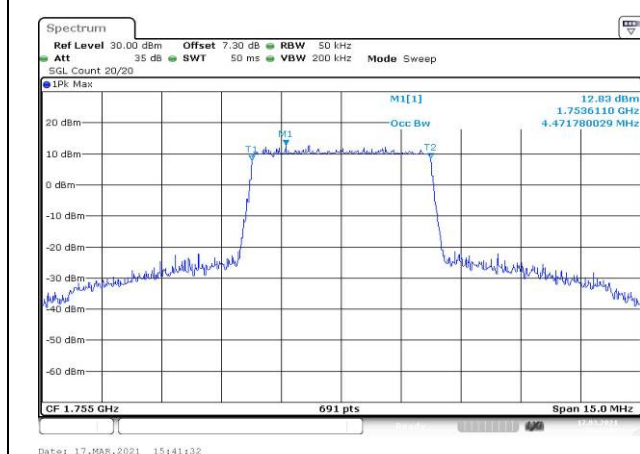


Fig.23

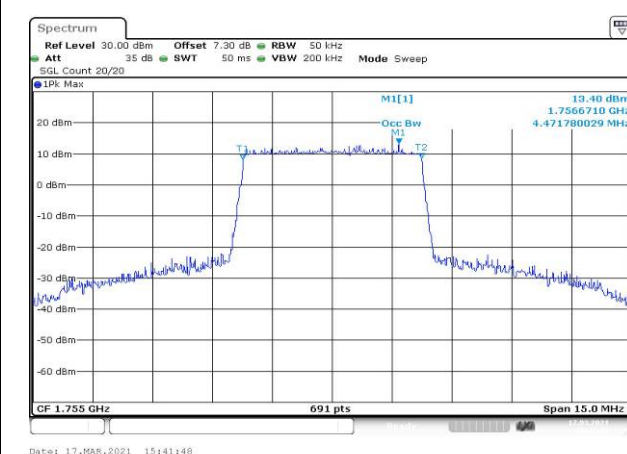


Fig.24

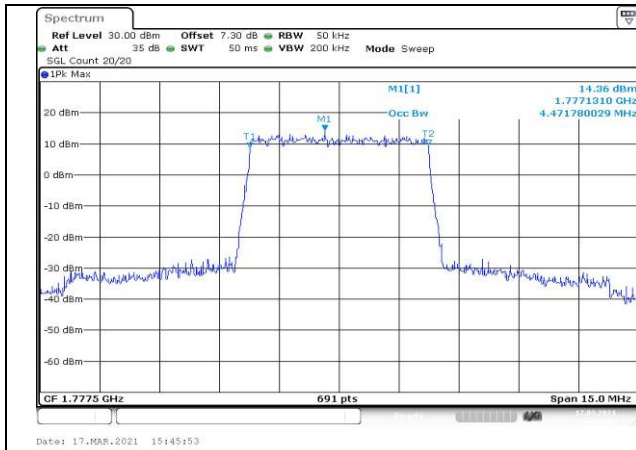


Fig.25

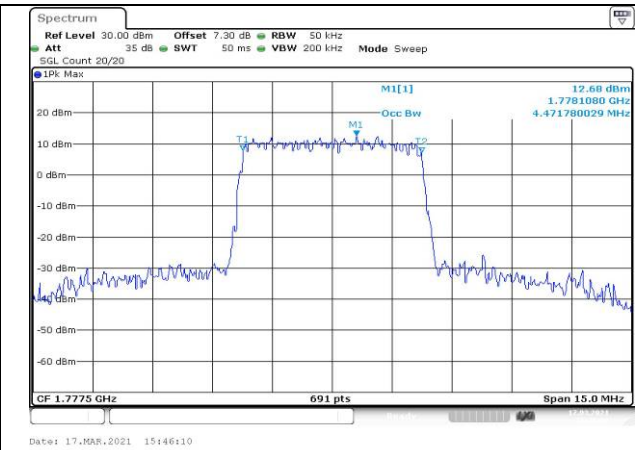


Fig.26

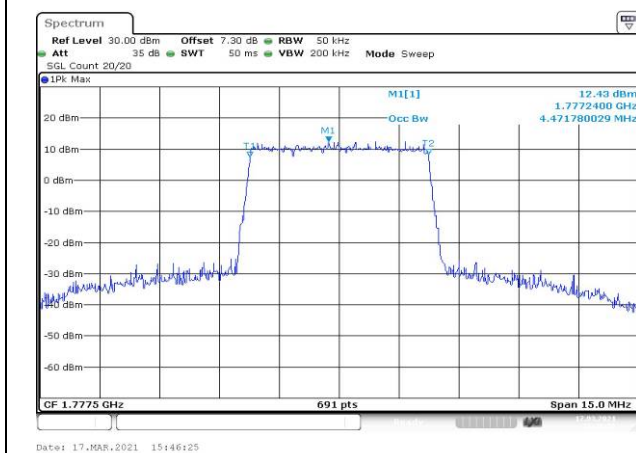


Fig.27

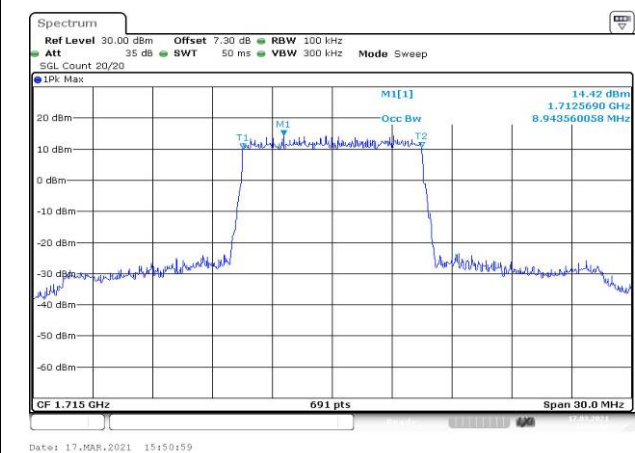


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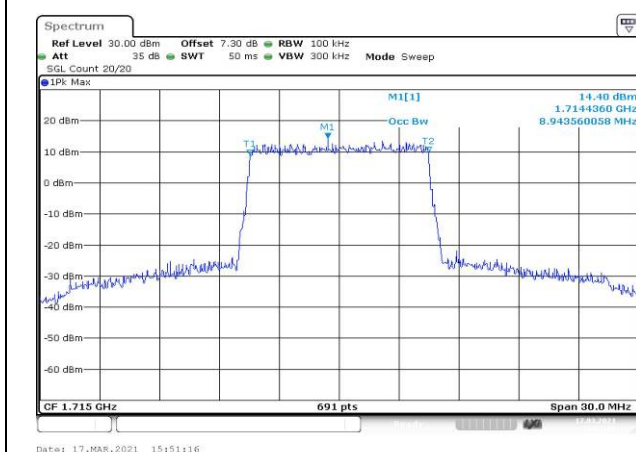


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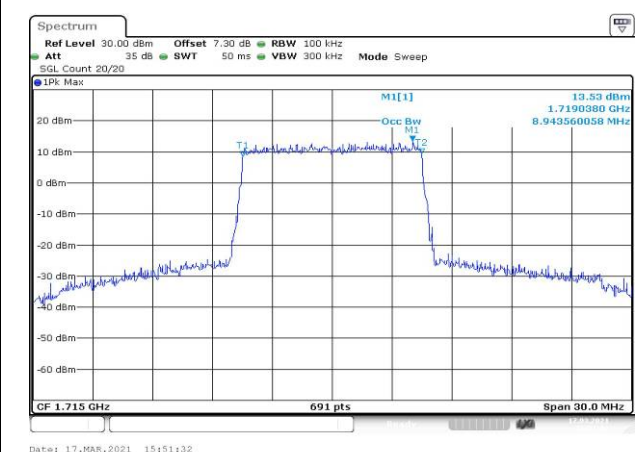
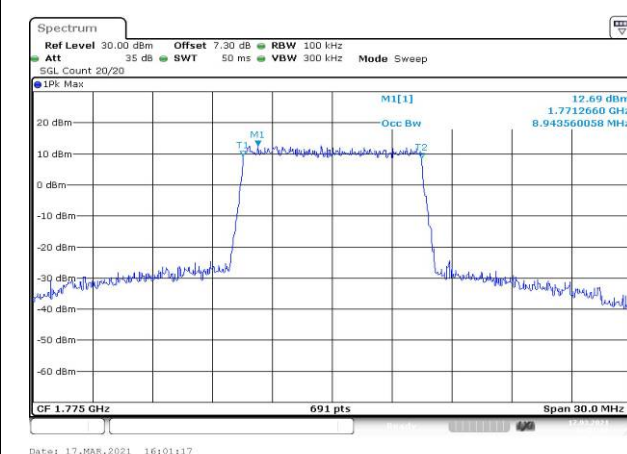
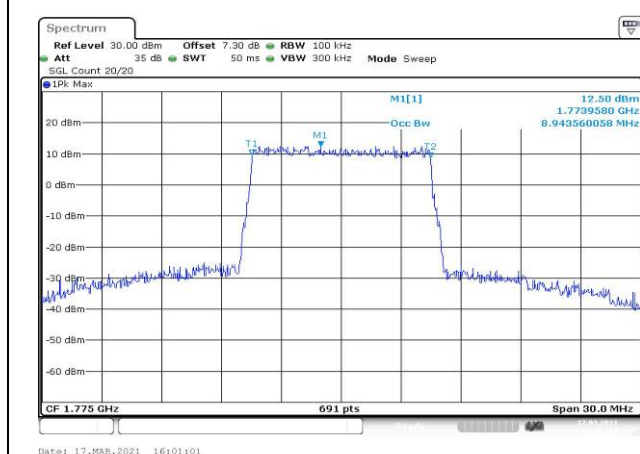
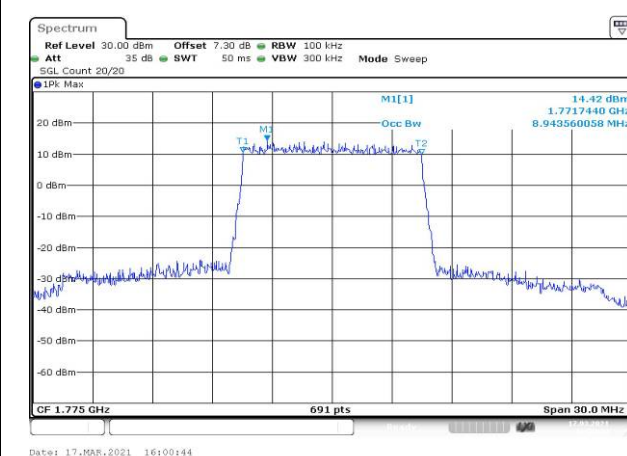
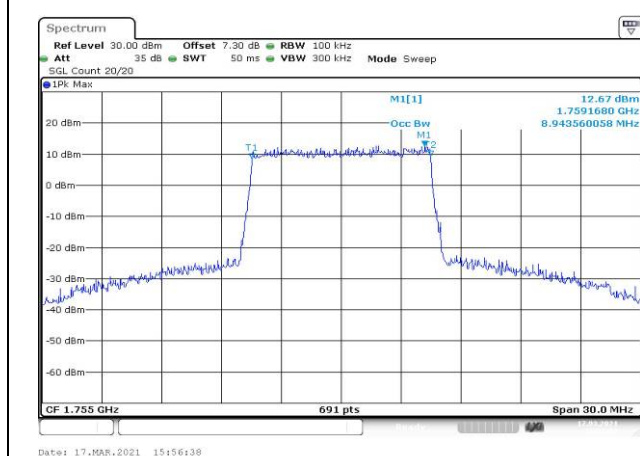
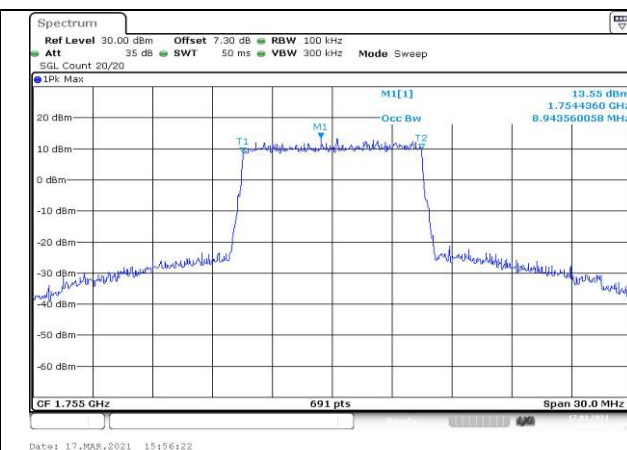
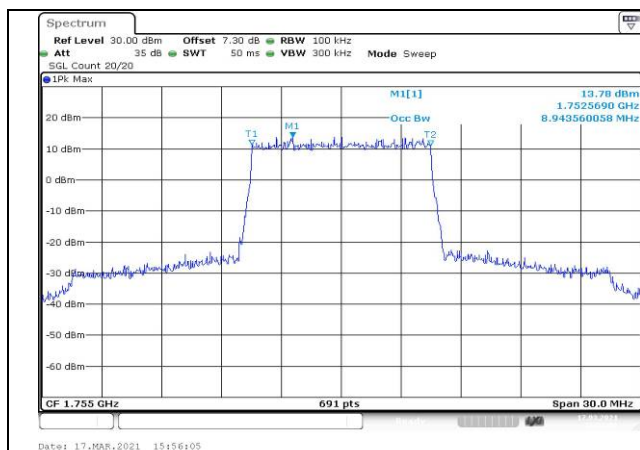


Fig.30



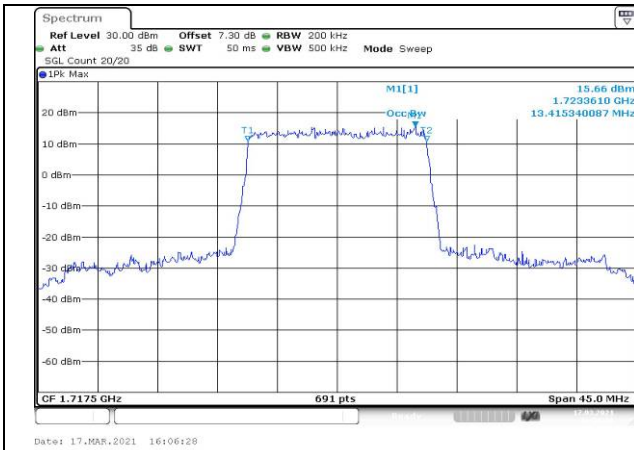


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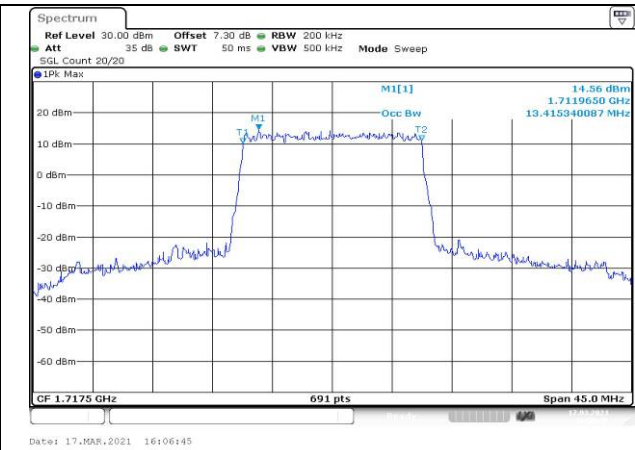


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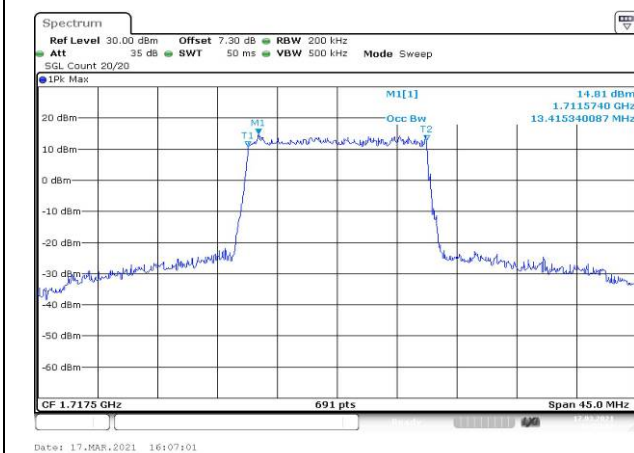


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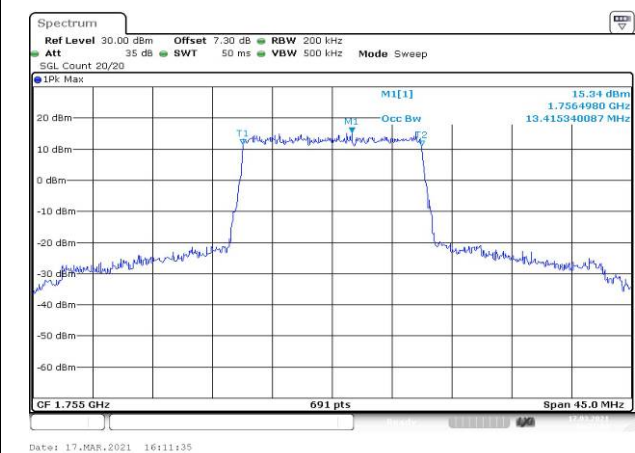


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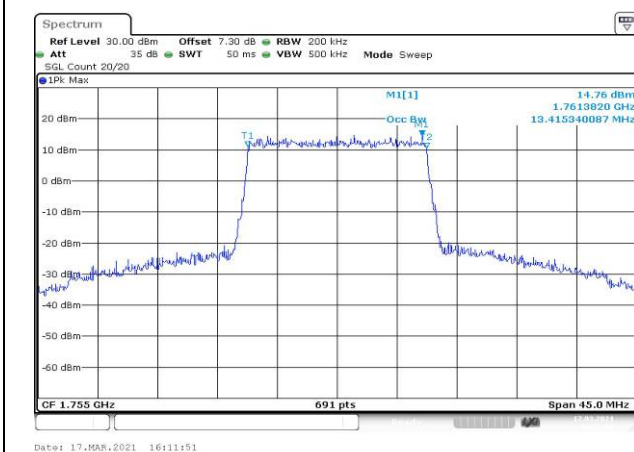


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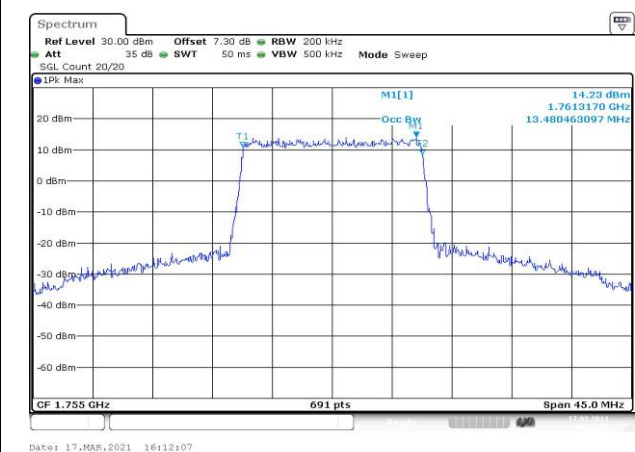
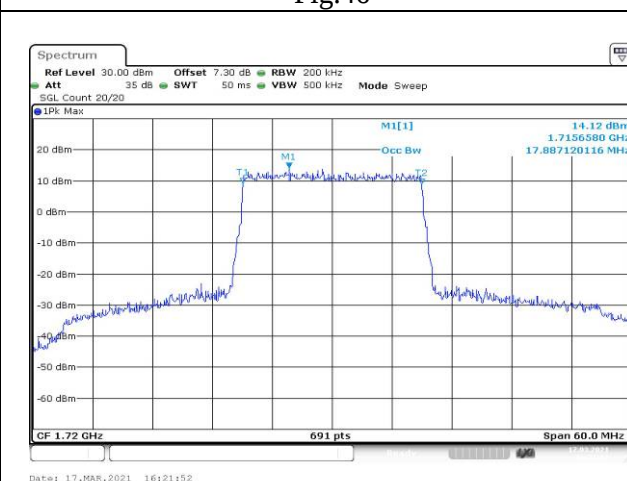
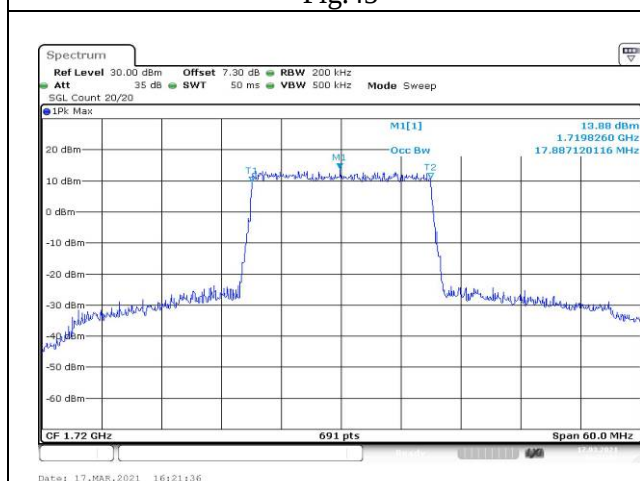
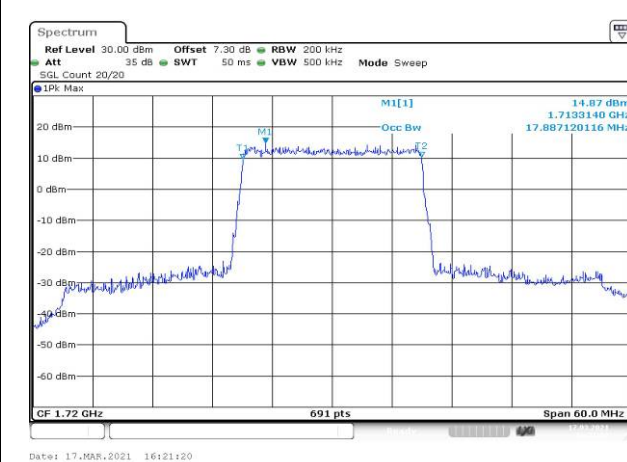
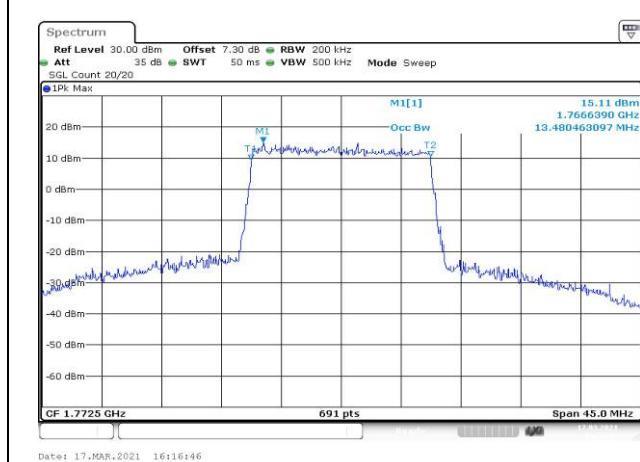
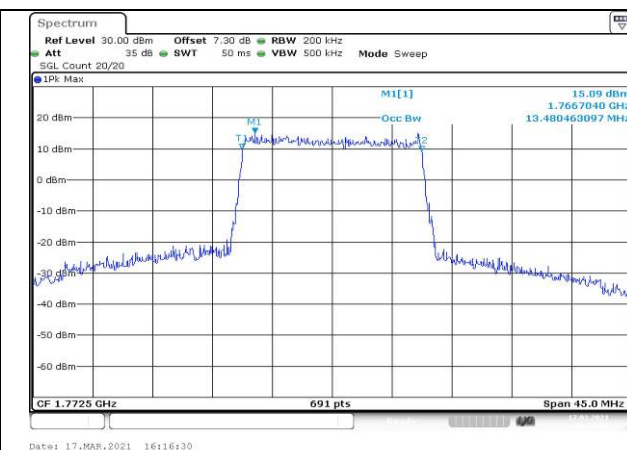
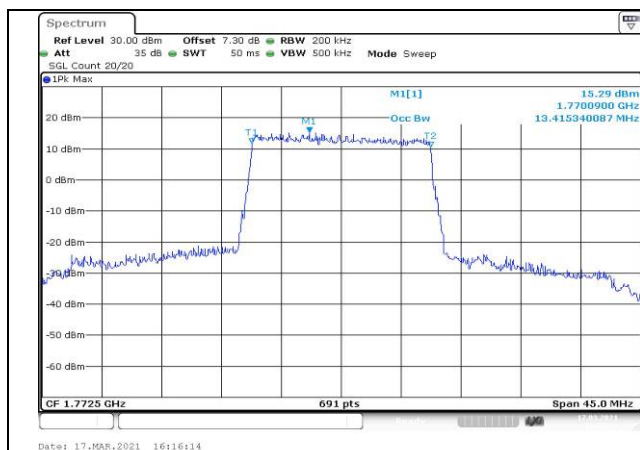


Fig.42



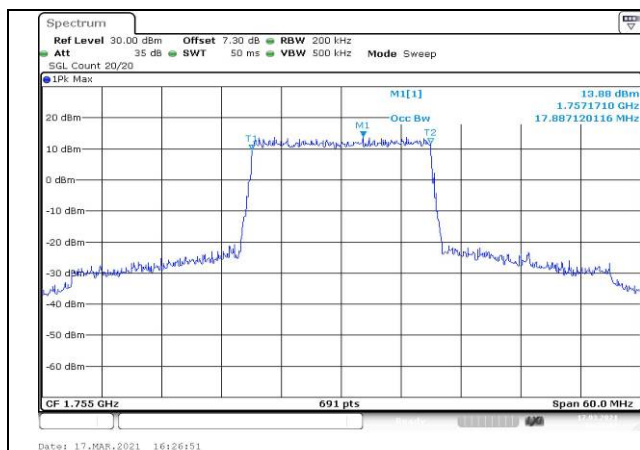


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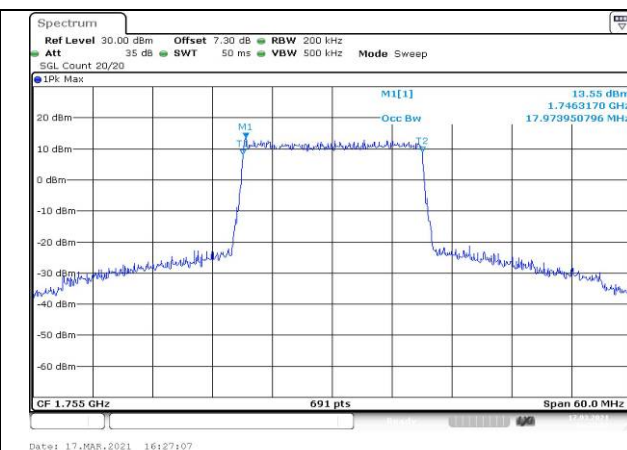


Fig.50

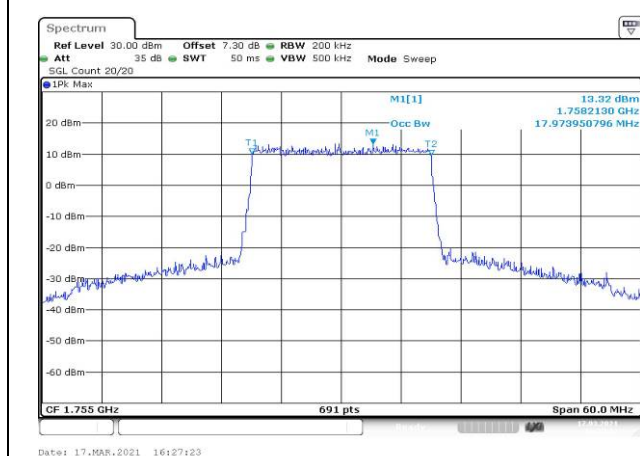


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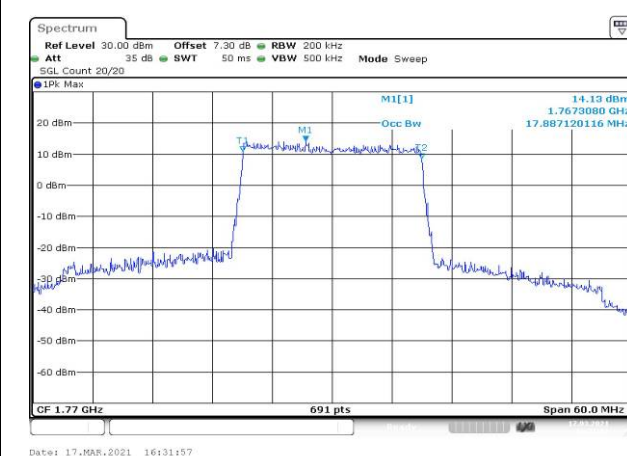


Fig.52

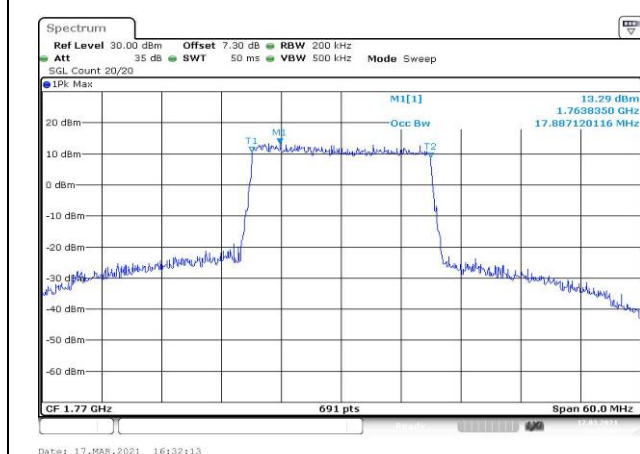


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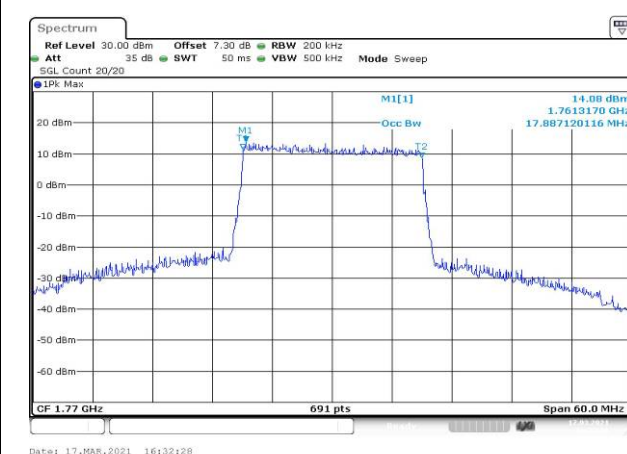


Fig.54

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	1.228	Fig.1	1.228	Fig.2	1.228	Fig.3
	1755	132422		6	0	1.228	Fig.4	1.234	Fig.5	1.234	Fig.6
	1779.3	132665		6	0	1.240	Fig.7	1.234	Fig.8	1.234	Fig.9
	1711.5	131987	3	15	0	2.983	Fig.10	3.009	Fig.11	3.009	Fig.12
	1755	132422		15	0	2.996	Fig.13	2.957	Fig.14	3.022	Fig.15
	1778.5	132657		15	0	2.996	Fig.16	3.009	Fig.17	3.022	Fig.18
	1712.5	131997	5	25	0	4.906	Fig.19	4.884	Fig.20	4.906	Fig.21
	1755	132422		25	0	4.863	Fig.22	4.884	Fig.23	4.928	Fig.24
	1777.5	132647		25	0	4.906	Fig.25	4.884	Fig.26	4.906	Fig.27
	1715	132022	10	50	0	9.768	Fig.28	9.725	Fig.29	9.768	Fig.30
	1755	132422		50	0	9.768	Fig.31	9.768	Fig.32	9.768	Fig.33
	1775	132622		50	0	9.682	Fig.34	9.768	Fig.35	9.725	Fig.36
	1717.5	132047	15	75	0	14.783	Fig.37	14.718	Fig.38	14.783	Fig.39
	1755	132422		75	0	14.588	Fig.40	14.718	Fig.41	14.718	Fig.42
	1772.5	132597		75	0	14.848	Fig.43	14.718	Fig.44	14.718	Fig.45
	1720	132072	20	100	0	19.450	Fig.46	19.276	Fig.47	19.276	Fig.48
	1755	132422		100	0	19.450	Fig.49	19.363	Fig.50	19.450	Fig.51
	1770	132572		100	0	19.276	Fig.52	19.276	Fig.53	19.363	Fig.54

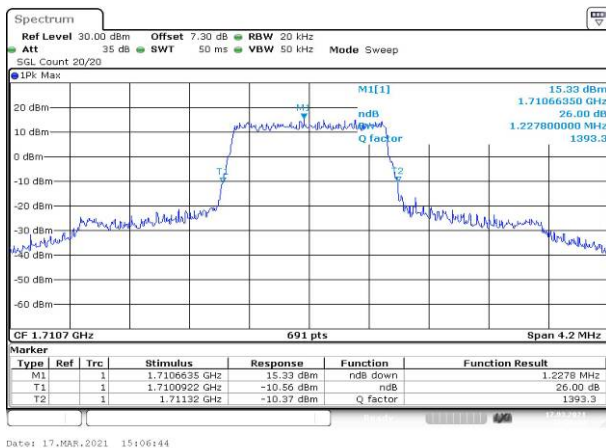


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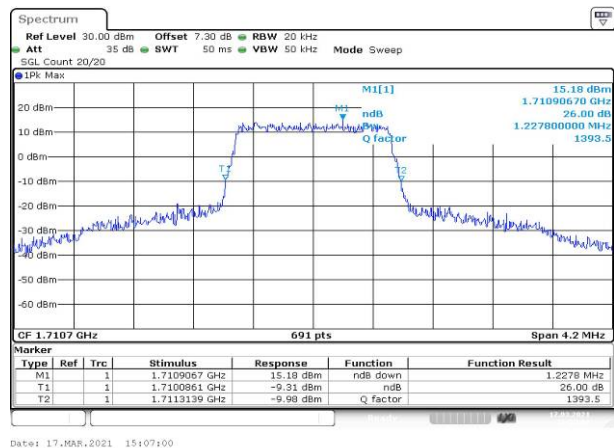


Fig.2

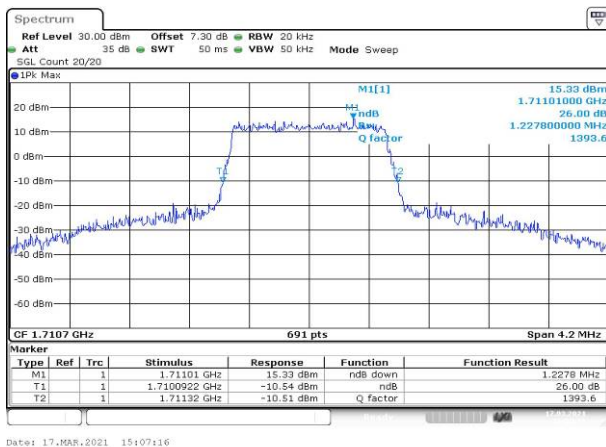


Fig.3

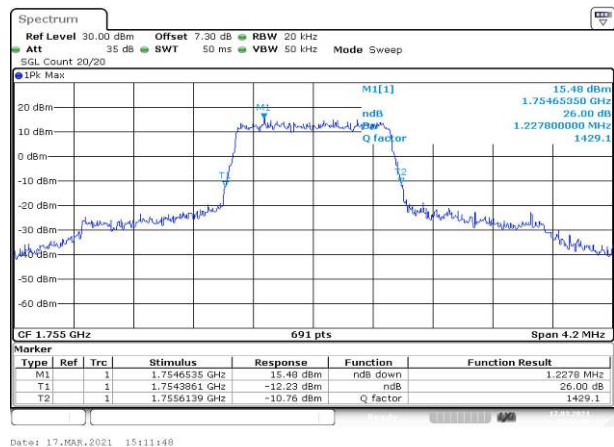


Fig.4

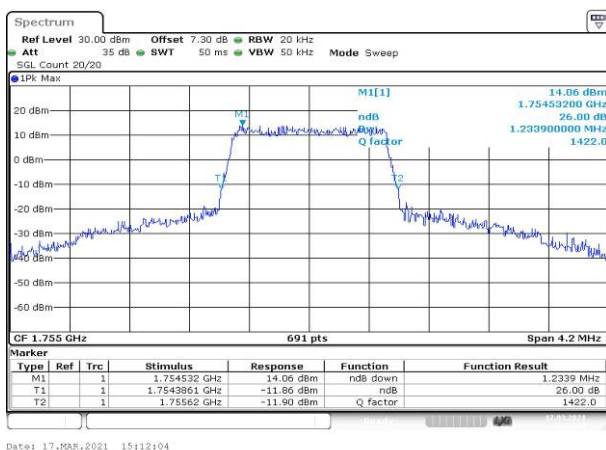


Fig.5

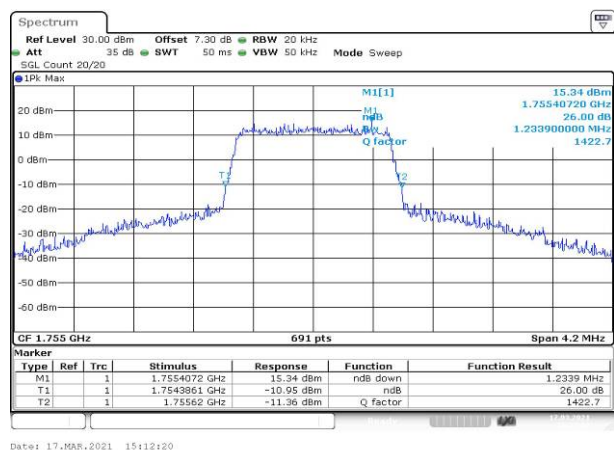


Fig.6

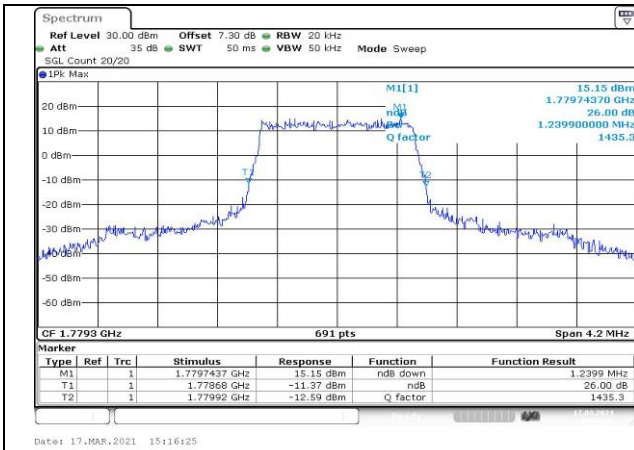


Fig.7

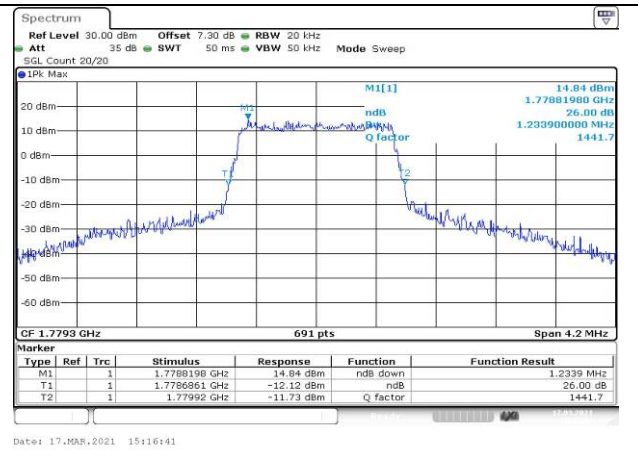


Fig.8

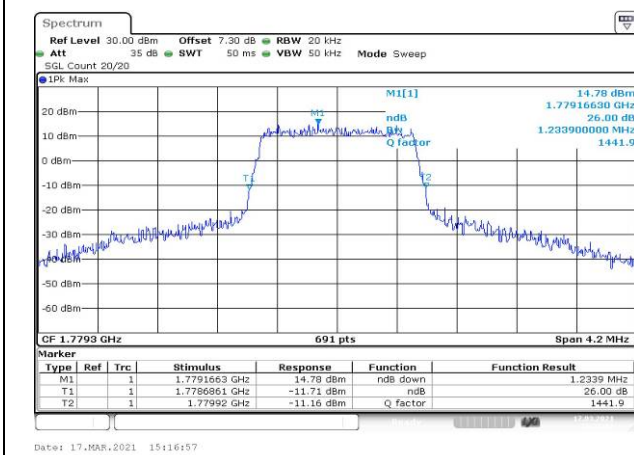


Fig.9

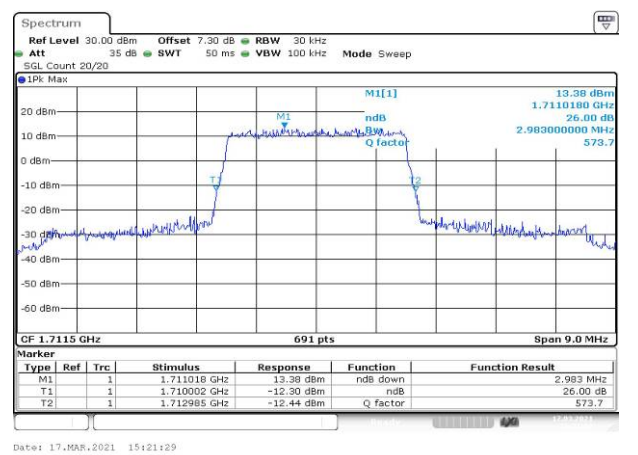


Fig.10

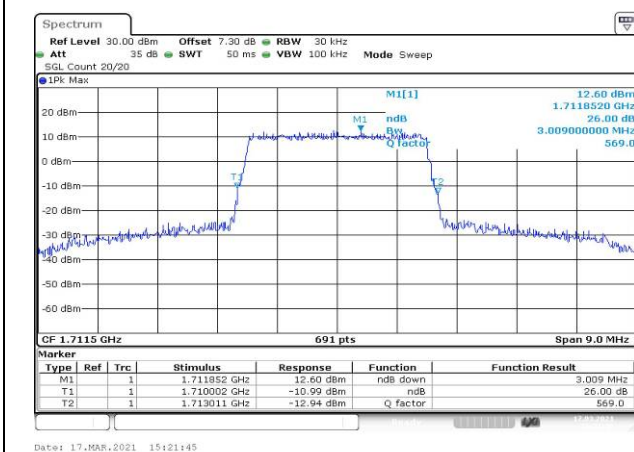


Fig.11

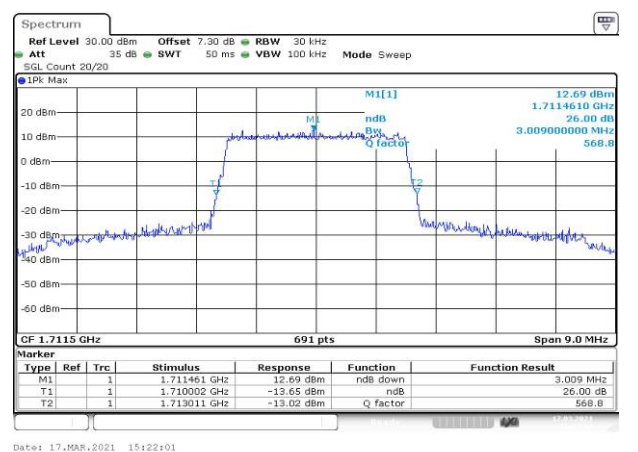


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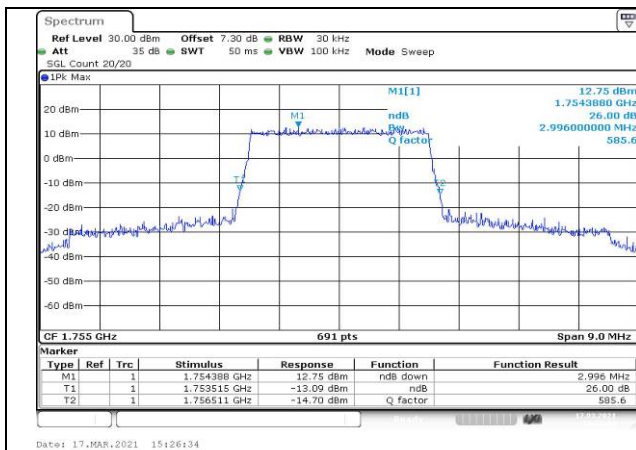


Fig.13

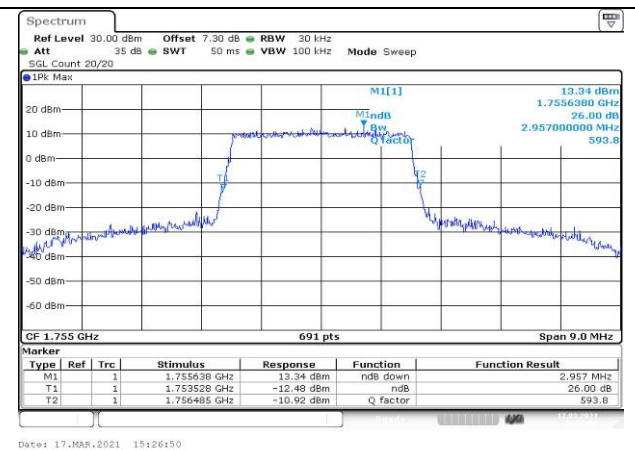


Fig.14

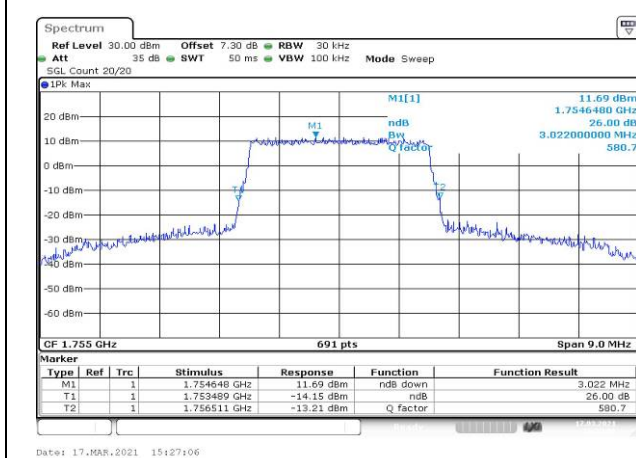


Fig.15

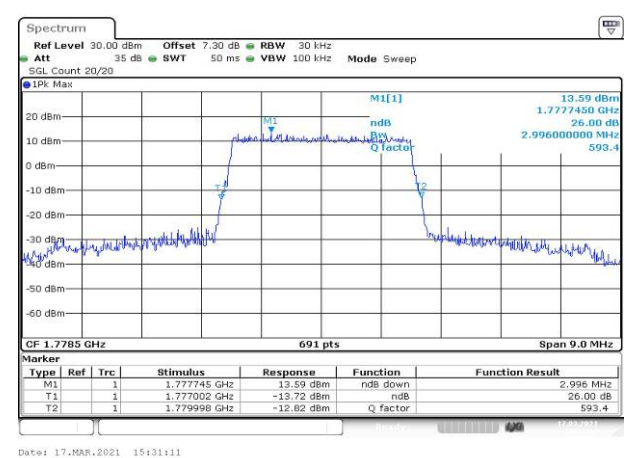


Fig.16

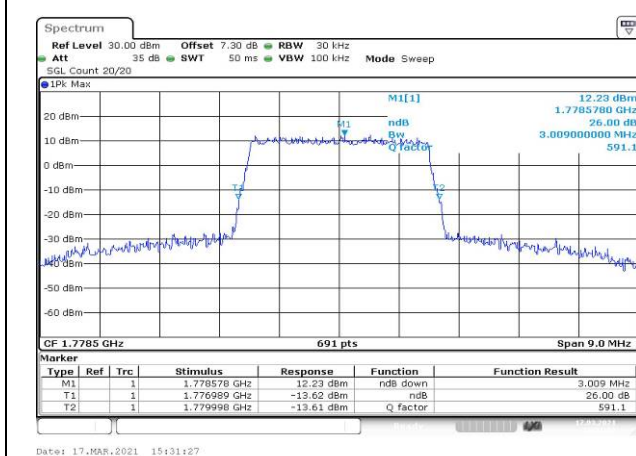


Fig.17

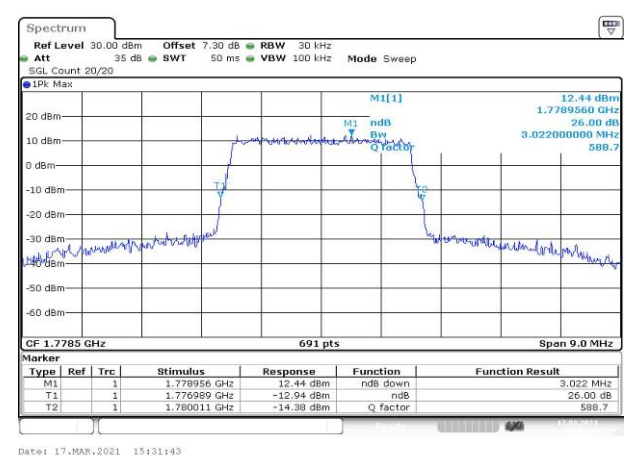


Fig.18

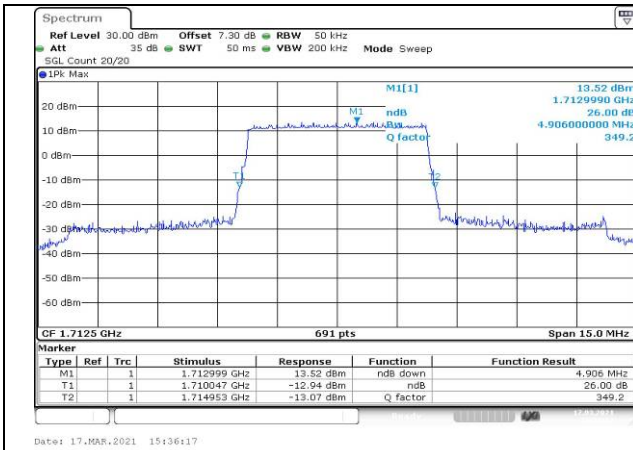


Fig.19

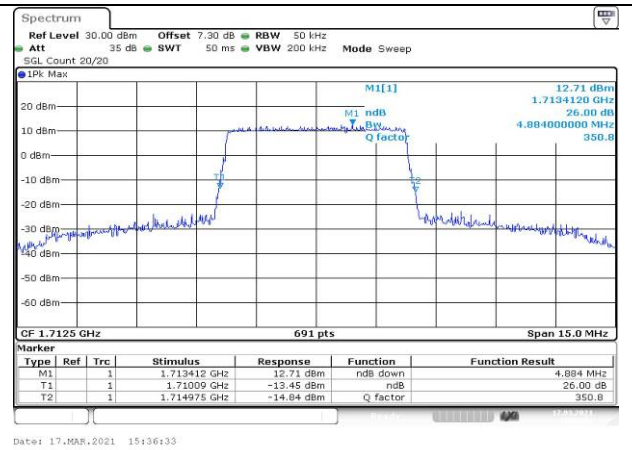


Fig.20

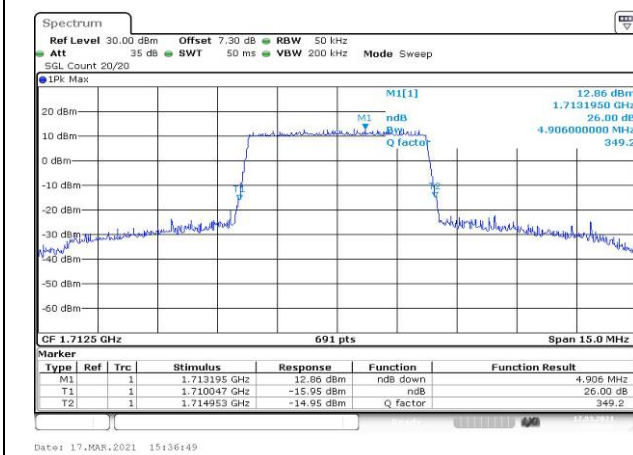


Fig.21

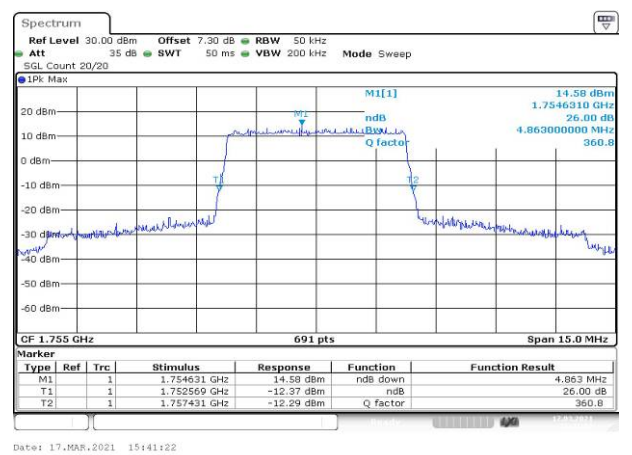


Fig.22

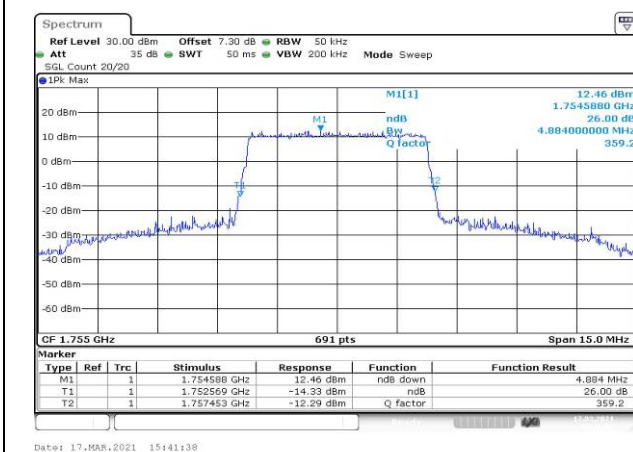


Fig.23

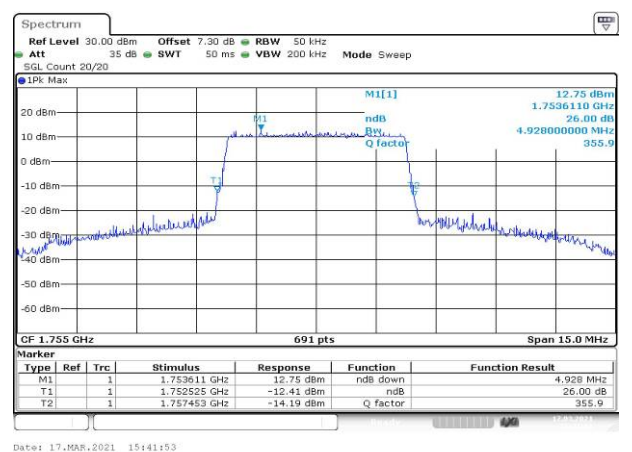


Fig.24

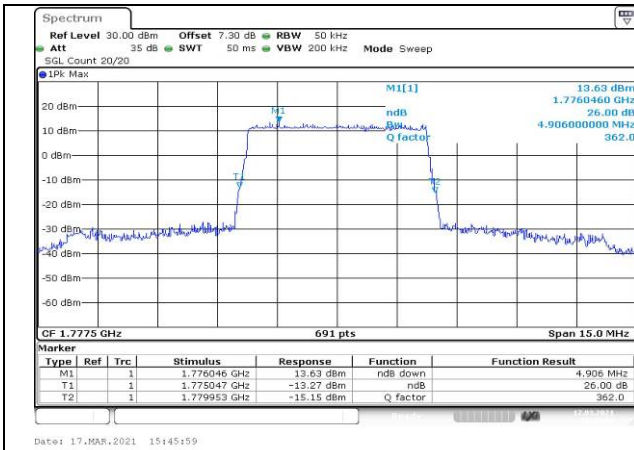


Fig.25

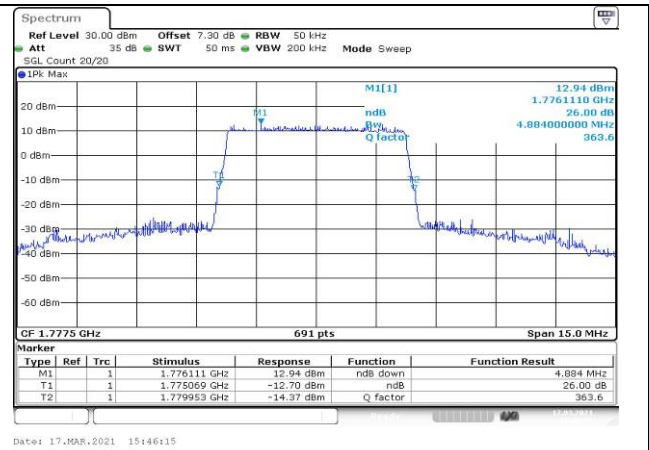


Fig.26

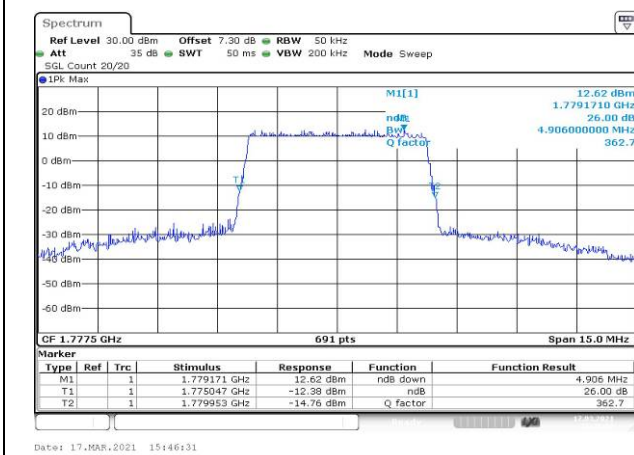


Fig.27

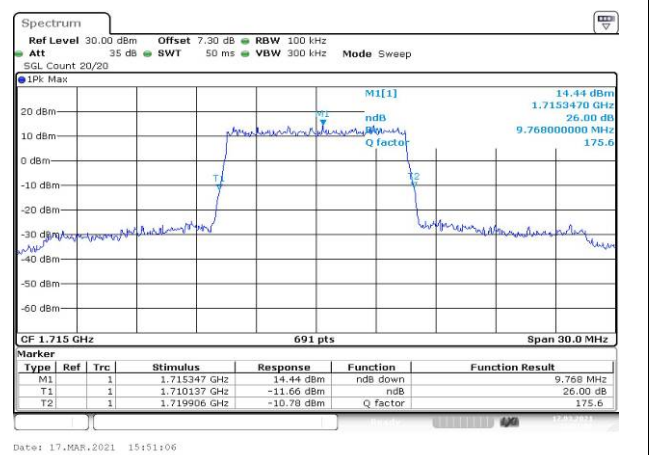


Fig.28

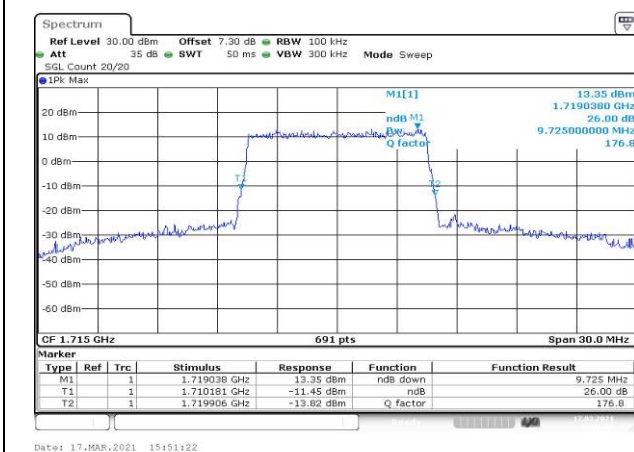


Fig.29

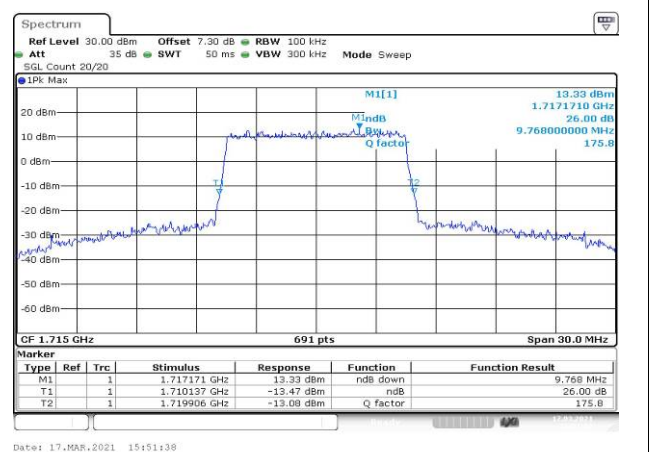


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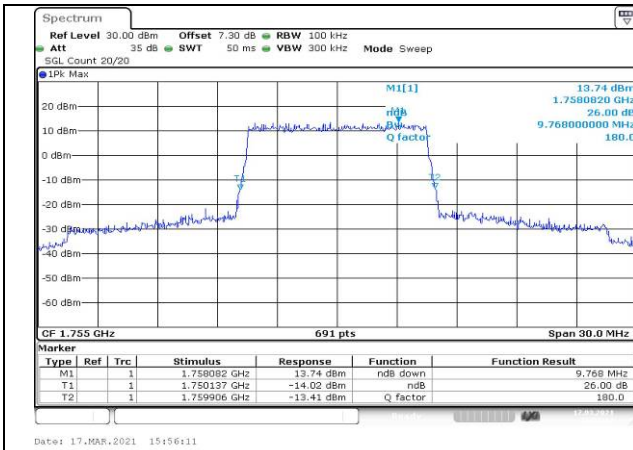


Fig.31

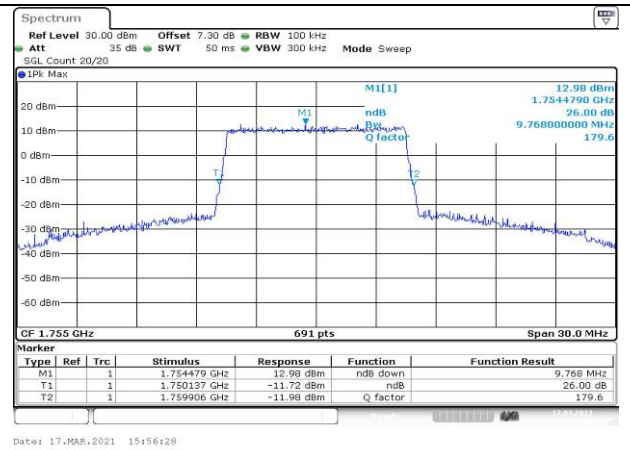


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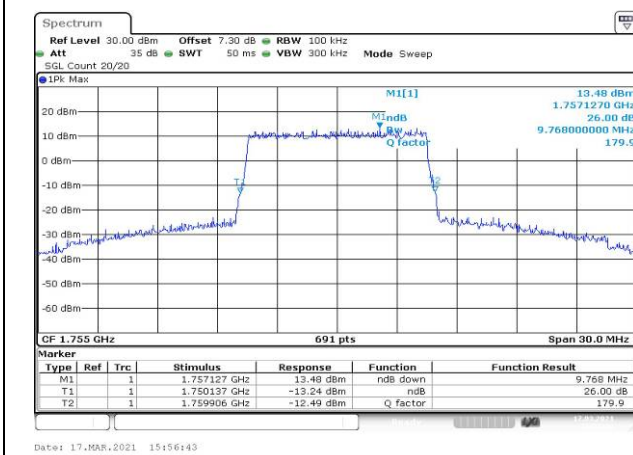


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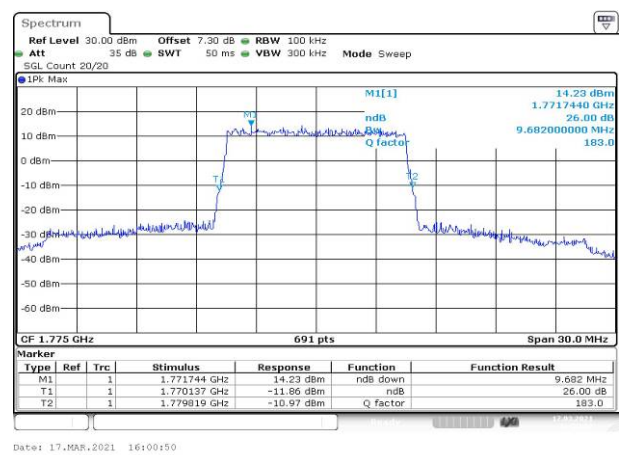


Fig.34

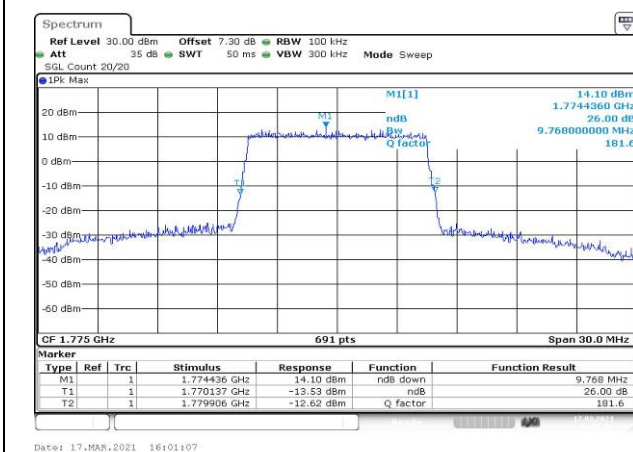


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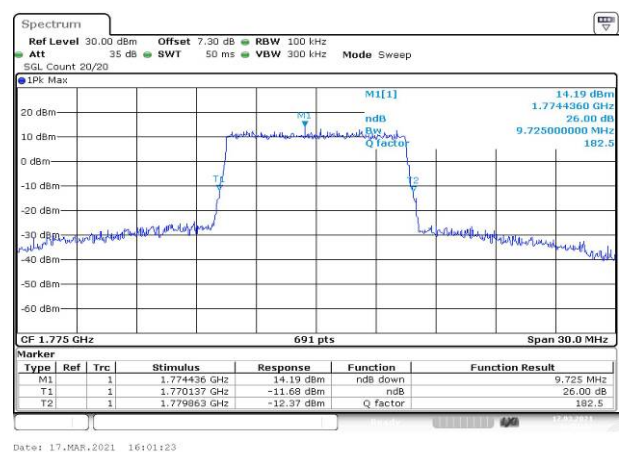


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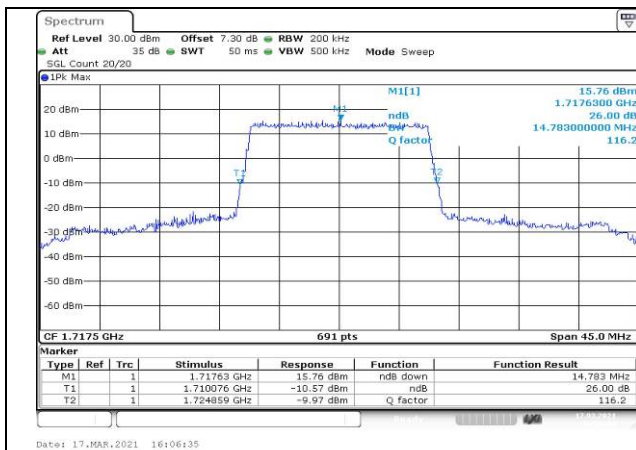


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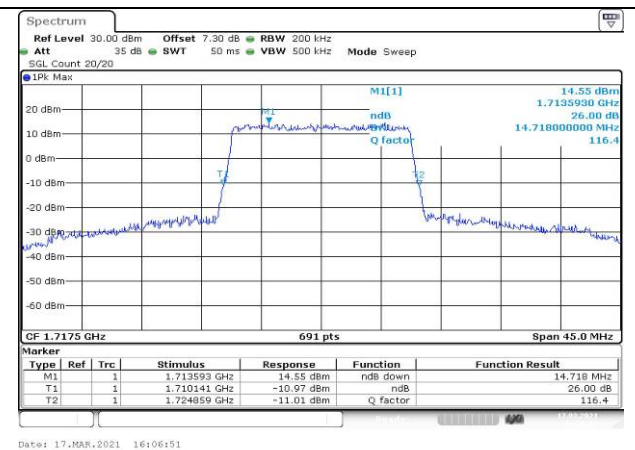


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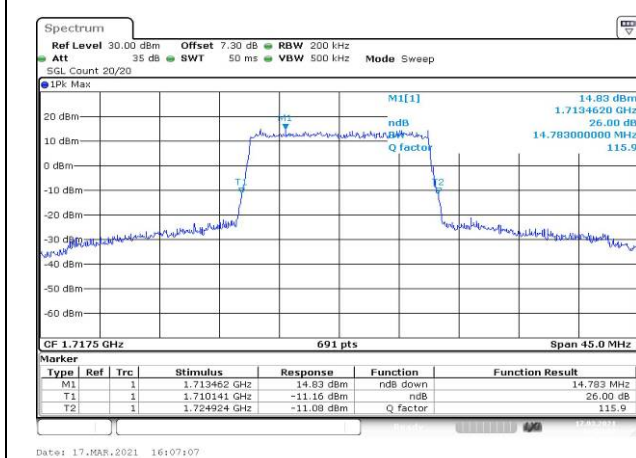


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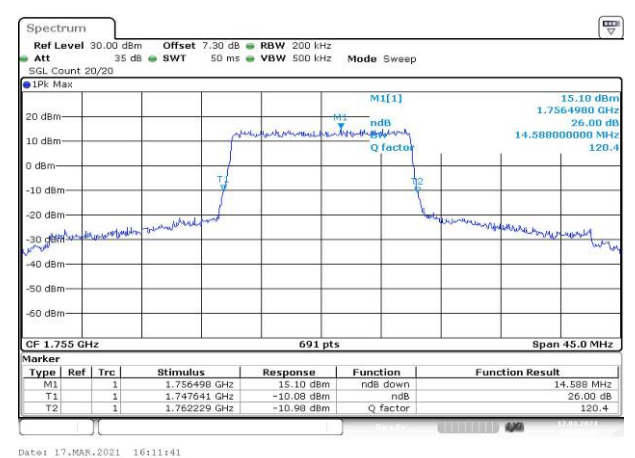


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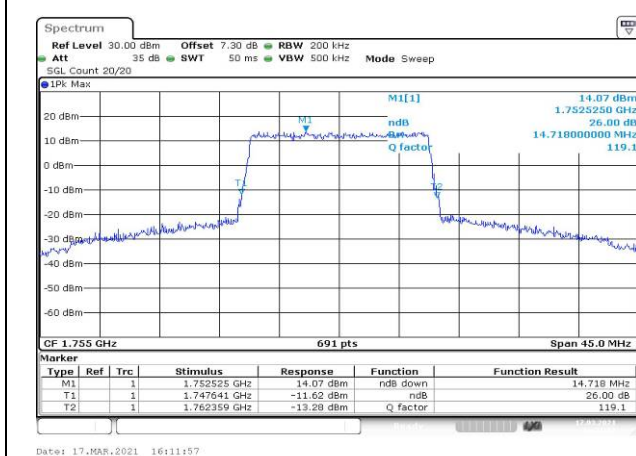


Fig.41

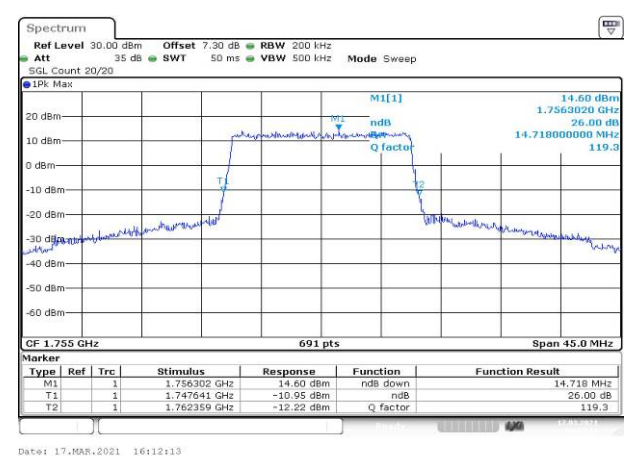


Fig.42