

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 2

1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1850.7	18607	1.4	1	0	22.44
				1	3	22.48
				1	5	22.45
				3	0	22.52
				3	1	22.49
				3	3	22.48
	6	0		21.59		
	1880	18900		1	0	22.21
				1	3	22.23
				1	5	22.23
				3	0	22.17
				3	1	22.16
				3	3	22.23
	1909.3	19193		6	0	21.23
				1	0	22.36
				1	3	22.30
				1	5	22.33
				3	0	22.37
3			1	22.42		
16QAM	1850.7	18607	3	3	22.35	
			6	0	21.41	
			1	0	21.62	
			1	3	21.62	
			1	5	21.61	
			3	0	21.78	
	1880	18900	3	1	21.85	
			3	3	21.86	
			6	0	20.64	
			1	0	21.29	
			1	3	21.39	
			1	5	21.39	
	1909.3	19193	3	0	21.15	
			3	1	21.16	
			3	3	21.15	
			6	0	20.26	
			1	0	21.48	
			1	3	21.50	
1	5	21.57				
3	0	21.53				
3	1	21.49				
3	3	21.48				
6	0	20.36				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1850.7	18607	1.4	1	0	20.60
				1	3	20.60
				1	5	20.63
				3	0	20.56
				3	1	20.64
				3	3	20.56
				6	0	20.60
	1880	18900		1	0	20.32
				1	3	20.30
				1	5	20.26
				3	0	20.31
				3	1	20.26
				3	3	20.30
				6	0	20.25
	1909.3	19193		1	0	20.33
				1	3	20.28
				1	5	20.33
				3	0	20.39
				3	1	20.33
				3	3	20.39
				6	0	20.32

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	18615	3	1	0	22.52
				1	8	22.53
				1	14	22.53
				8	0	21.60
				8	4	21.65
				8	7	21.65
	15	0		21.61		
	1880	18900		1	0	22.25
				1	8	22.29
				1	14	22.29
				8	0	21.31
				8	4	21.36
				8	7	21.35
	1908.5	19185		15	0	21.37
				1	0	22.43
1			8	22.44		
1			14	22.49		
8			0	21.46		
8			4	21.47		
16QAM	1851.5	18615	8	7	21.51	
			15	0	21.46	
			1	0	22.25	
			1	8	22.18	
			1	14	22.27	
			8	0	20.83	
	1880	18900	8	4	20.78	
			8	7	20.79	
			15	0	20.72	
			1	0	21.52	
			1	8	21.53	
			1	14	21.41	
	1908.5	19185	8	0	20.28	
			8	4	20.31	
			8	7	20.36	
15			0	20.34		
1			0	21.63		
1			8	21.59		
			1	14	21.69	
			8	0	20.54	
			8	4	20.53	
			8	7	20.54	
			15	0	20.58	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1851.5	18615	3	1	0	20.72
				1	8	20.72
				1	14	20.72
				8	0	20.71
				8	4	20.71
				8	7	20.72
				15	0	20.72
	1880	18900		1	0	20.34
				1	8	20.34
				1	14	20.26
				8	0	20.26
				8	4	20.27
				8	7	20.28
				15	0	20.34
	1908.5	19185		1	0	20.72
				1	8	20.57
				1	14	20.62
				8	0	20.57
				8	4	20.57
				8	7	20.57
				15	0	20.57

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	18625	5	1	0	22.57
				1	12	22.58
				1	24	22.51
				12	0	21.69
				12	7	21.65
				12	13	21.65
				25	0	21.66
	1880	18900		1	0	22.18
				1	12	22.33
				1	24	22.32
				12	0	21.25
				12	7	21.37
				12	13	21.37
				25	0	21.39
	1907.5	19175		1	0	22.36
				1	12	22.48
				1	24	22.41
				12	0	21.43
				12	7	21.44
				12	13	21.47
				25	0	21.45
16QAM	1852.5	18625	1	0	21.79	
			1	12	21.82	
			1	24	21.74	
			12	0	20.88	
			12	7	20.84	
			12	13	20.86	
			25	0	20.90	
	1880	18900	1	0	21.40	
			1	12	21.55	
			1	24	21.49	
			12	0	20.42	
			12	7	20.56	
			12	13	20.55	
			25	0	20.60	
	1907.5	19175	1	0	21.57	
			1	12	21.73	
			1	24	21.59	
			12	0	20.65	
			12	7	20.64	
			12	13	20.73	
			25	0	20.67	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1852.5	18625	5	1	0	20.75
				1	12	20.73
				1	24	20.73
				12	0	20.73
				12	7	20.73
				12	13	20.72
				25	0	20.74
	1880	18900		1	0	20.37
				1	12	20.43
				1	24	20.42
				12	0	20.33
				12	7	20.37
				12	13	20.39
				25	0	20.33
	1907.5	19175		1	0	22.36
				1	12	22.50
				1	24	22.48
				12	0	22.39
				12	7	22.55
				12	13	22.54
				25	0	22.46

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	18650	10	1	0	22.54
				1	25	22.44
				1	49	22.34
				25	0	21.59
				25	12	21.60
				25	25	21.57
	50	0		21.70		
	1880	18900		1	0	22.23
				1	25	22.31
				1	49	22.31
				25	0	21.24
				25	12	21.38
				25	25	21.38
	1905	19150		50	0	21.36
				1	0	22.33
				1	25	22.47
				1	49	22.53
				25	0	21.45
25			12	21.53		
16QAM	1855	18650	25	25	21.50	
			50	0	21.39	
			1	0	22.17	
			1	25	22.02	
			1	49	21.95	
			25	0	20.75	
	1880	18900	25	12	20.63	
			25	25	20.68	
			50	0	20.62	
			1	0	21.61	
			1	25	21.35	
			1	49	21.56	
	1905	19150	25	0	20.27	
			25	12	20.43	
			25	25	20.37	
			50	0	20.36	
			1	0	21.51	
			1	25	21.61	
			1	49	21.61	
			25	0	20.51	
			25	12	20.63	
			25	25	20.71	
			50	0	20.49	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1855	18650	10	1	0	20.66
				1	25	20.64
				1	49	20.64
				25	0	20.65
				25	12	20.64
				25	25	20.63
				50	0	20.57
	1880	18900		1	0	20.40
				1	25	20.41
				1	49	20.44
				25	0	20.44
				25	12	20.40
				25	25	20.43
				50	0	20.40
	1905	19150		1	0	20.50
				1	25	20.47
				1	49	20.47
				25	0	20.49
				25	12	20.54
				25	25	20.49
				50	0	20.49

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	18675	15	1	0	22.65
				1	37	22.41
				1	74	22.48
				36	0	21.64
				36	29	21.53
				36	30	21.52
				75	0	21.58
	1880	18900		1	0	22.35
				1	37	22.33
				1	74	22.33
				36	0	21.28
				36	29	21.37
				36	30	21.40
				75	0	21.37
	1902.5	19125		1	0	22.31
				1	37	22.48
				1	74	22.41
				36	0	21.42
				36	29	21.56
				36	30	21.57
				75	0	21.43
16QAM	1857.5	18675	1	0	22.27	
			1	37	22.09	
			1	74	22.09	
			36	0	20.67	
			36	29	20.57	
			36	30	20.59	
			75	0	20.64	
	1880	18900	1	0	21.47	
			1	37	21.61	
			1	74	21.49	
			36	0	20.31	
			36	29	20.48	
			36	30	20.43	
			75	0	20.46	
	1902.5	19125	1	0	21.88	
			1	37	22.00	
			1	74	22.08	
			36	0	20.33	
			36	29	20.56	
			36	30	20.52	
			75	0	20.41	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1857.5	18675	15	1	0	20.64
				1	37	20.64
				1	74	20.63
				36	0	20.63
				36	29	20.57
				36	30	20.63
				75	0	20.63
	1880	18900		1	0	20.35
				1	37	20.39
				1	74	20.35
				36	0	20.36
				36	29	20.45
				36	30	20.35
				75	0	20.36
	1902.5	19125		1	0	20.45
				1	37	20.40
				1	74	20.40
				36	0	20.46
				36	29	20.35
				36	30	20.42
				75	0	20.40

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	18700	20	1	0	22.57
				1	49	22.35
				1	99	22.34
				50	0	21.62
				50	24	21.52
				50	50	21.58
	100	0		21.56		
	1	0		22.46		
	1	49		22.29		
	1	99		22.43		
	50	0		21.27		
	50	24		21.39		
	50	50		21.47		
	100	0		21.39		
	1	0		22.31		
	1	49		22.43		
	1	99		22.40		
	50	0		21.38		
50	24	21.59				
50	50	21.58				
100	0	21.57				
16QAM	1860	18700	1	0	21.99	
			1	49	21.74	
			1	99	21.71	
			50	0	20.62	
			50	24	20.51	
			50	50	20.52	
	100	0	20.63			
	1	0	21.60			
	1	49	21.61			
	1	99	21.58			
	50	0	20.28			
	50	24	20.44			
	50	50	20.43			
	100	0	20.38			
	1	0	21.99			
	1	49	22.08			
	1	99	22.23			
	50	0	20.44			
50	24	20.54				
50	50	20.53				
100	0	20.49				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1860	18700	20	1	0	20.59
				1	49	20.59
				1	99	20.59
				50	0	20.60
				50	24	20.59
				50	50	20.59
				100	0	20.60
	1880	18900		1	0	20.37
				1	49	20.43
				1	99	20.42
				50	0	20.44
				50	24	20.46
				50	50	20.46
				100	0	20.45
	1900	19100		1	0	20.55
				1	49	20.49
				1	99	20.51
				50	0	20.48
				50	24	20.59
				50	50	20.52
				100	0	20.52

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
2	1850.7	18607	1.4	6	0	1.076	Fig.1	1.082	Fig.2	1.082	Fig.3
	1880	18900		6	0	1.088	Fig.4	1.082	Fig.5	1.082	Fig.6
	1909.3	19193		6	0	1.088	Fig.7	1.082	Fig.8	1.082	Fig.9
	1851.5	18615	3	15	0	2.696	Fig.10	2.683	Fig.11	2.683	Fig.12
	1880	18900		15	0	2.670	Fig.13	2.683	Fig.14	2.683	Fig.15
	1908.5	19185		15	0	2.683	Fig.16	2.683	Fig.17	2.683	Fig.18
	1852.5	18625	5	25	0	4.472	Fig.19	4.472	Fig.20	4.472	Fig.21
	1880	18900		25	0	4.472	Fig.22	4.472	Fig.23	4.472	Fig.24
	1907.5	19175		25	0	4.472	Fig.25	4.472	Fig.26	4.472	Fig.27
	1855	18650	10	50	0	8.944	Fig.28	8.944	Fig.29	8.944	Fig.30
	1880	18900		50	0	8.944	Fig.31	8.944	Fig.32	8.944	Fig.33
	1905	19150		50	0	8.944	Fig.34	8.944	Fig.35	8.944	Fig.36
	1857.5	18675	15	75	0	13.480	Fig.37	13.415	Fig.38	13.415	Fig.39
	1880	18900		75	0	13.415	Fig.40	13.415	Fig.41	13.415	Fig.42
	1902.5	19125		75	0	13.415	Fig.43	13.415	Fig.44	13.415	Fig.45
	1860	18700	20	100	0	17.887	Fig.46	17.887	Fig.47	17.887	Fig.48
	1880	18900		100	0	17.887	Fig.49	17.887	Fig.50	17.887	Fig.51
	1900	19100		100	0	17.800	Fig.52	17.800	Fig.53	17.800	Fig.54

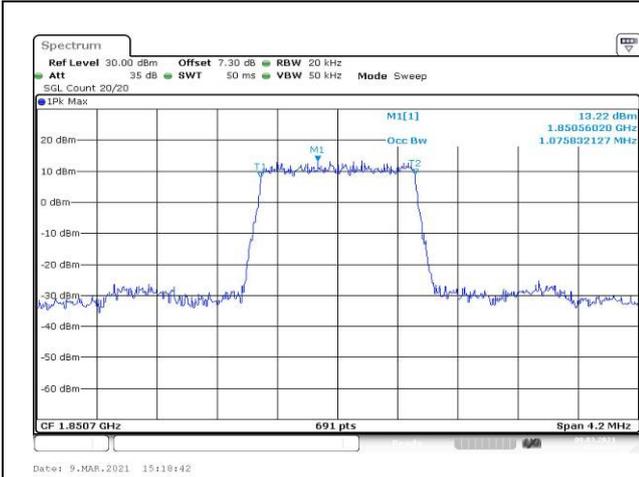


Fig.1

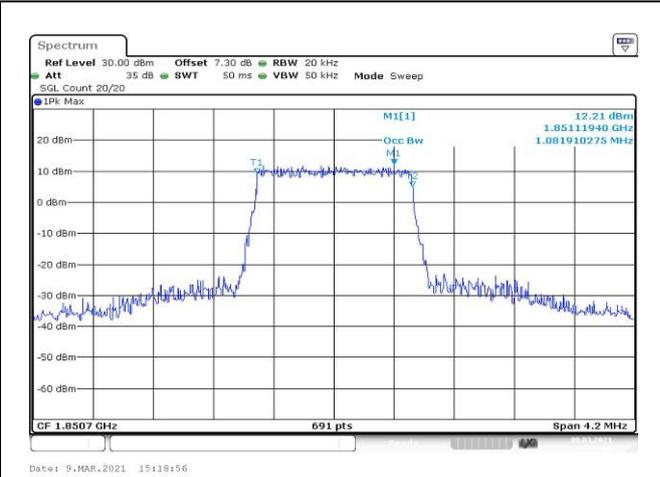


Fig.2

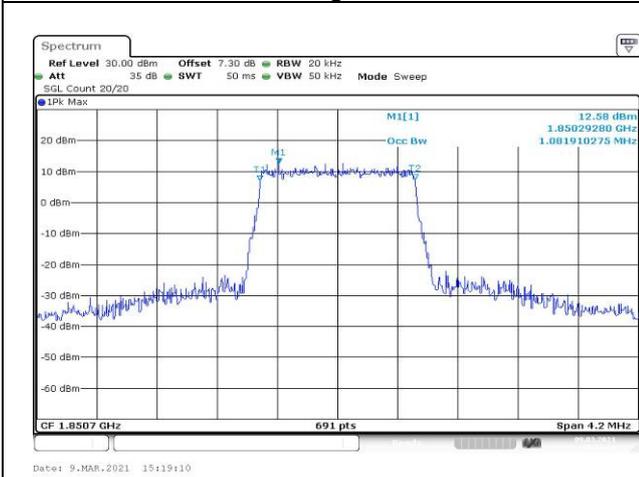


Fig.3

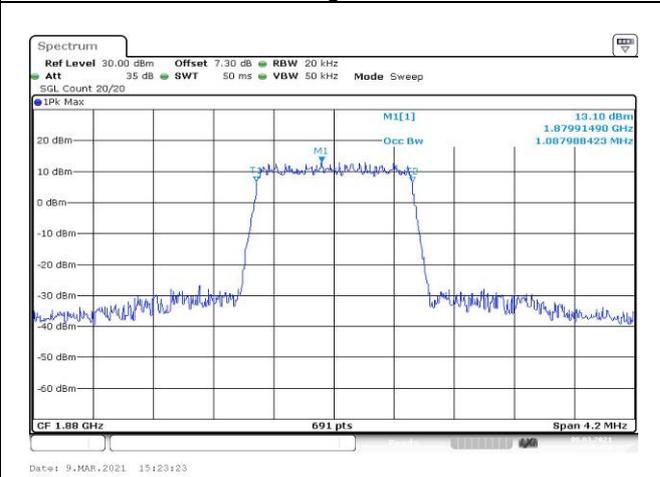


Fig.4

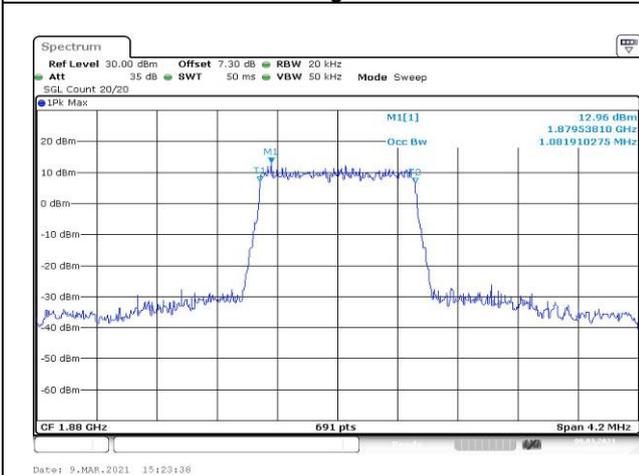


Fig.5

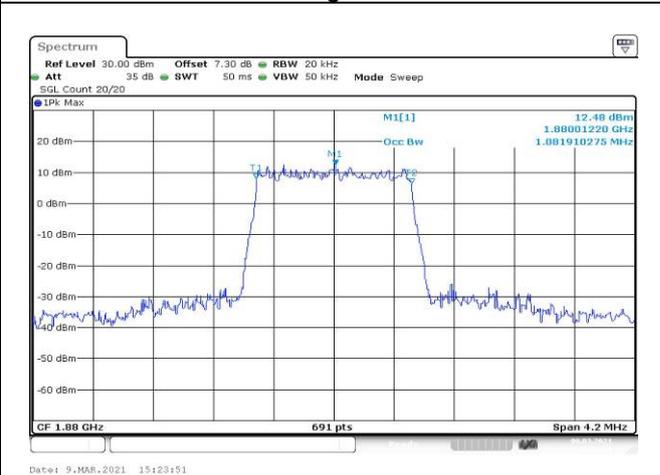
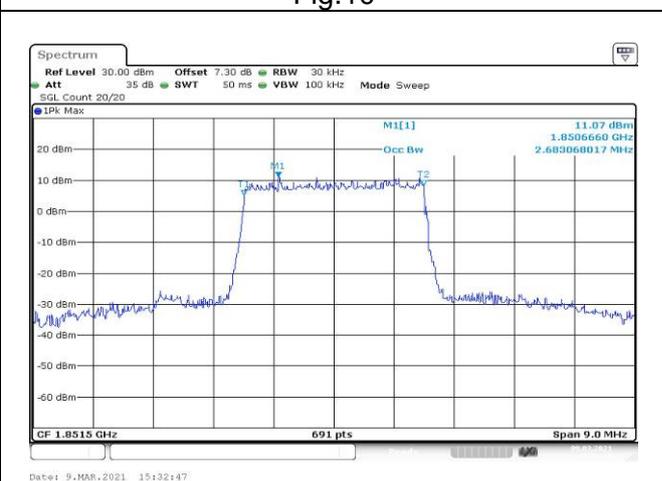
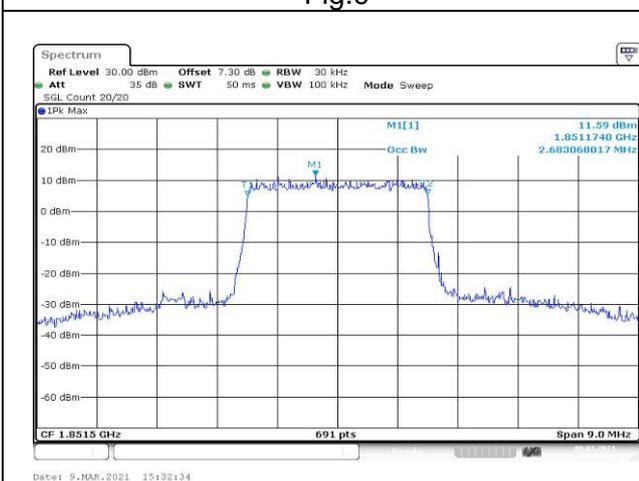
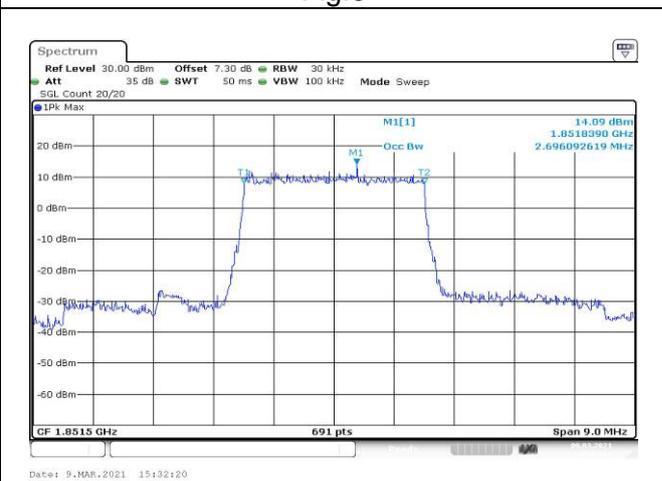
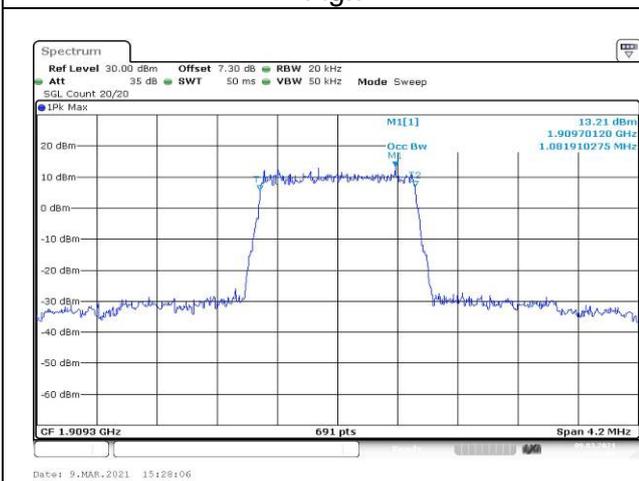
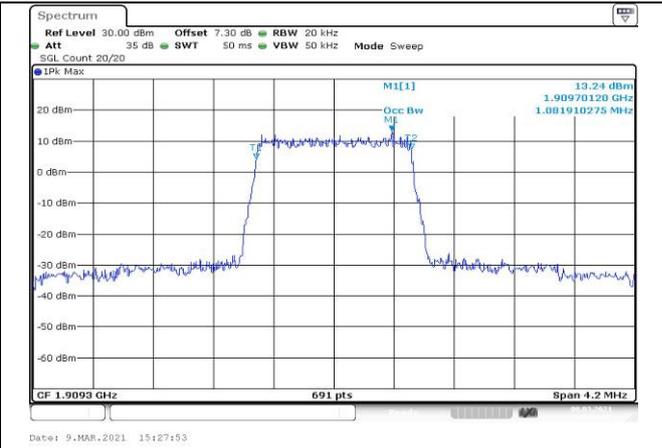
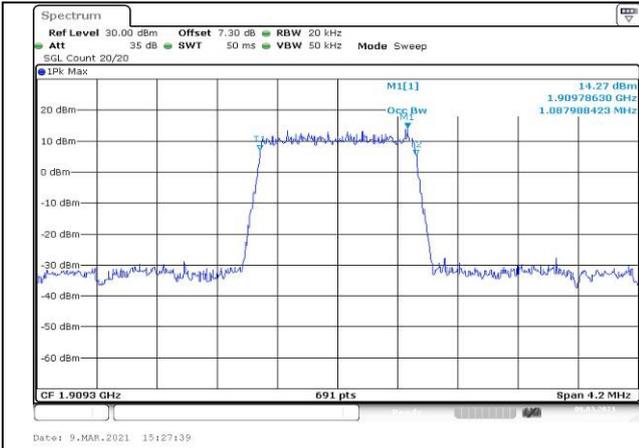


Fig.6



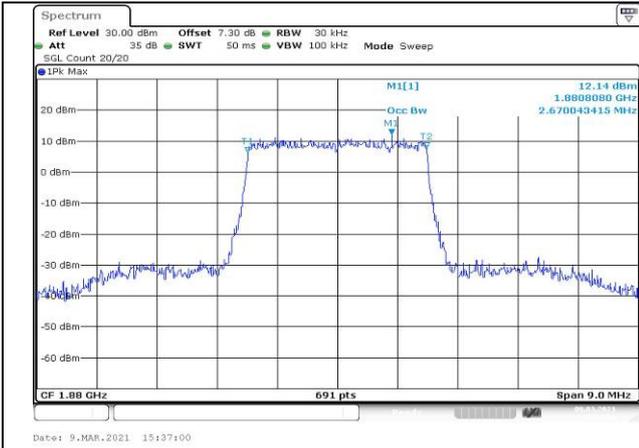


Fig.13



Fig.14

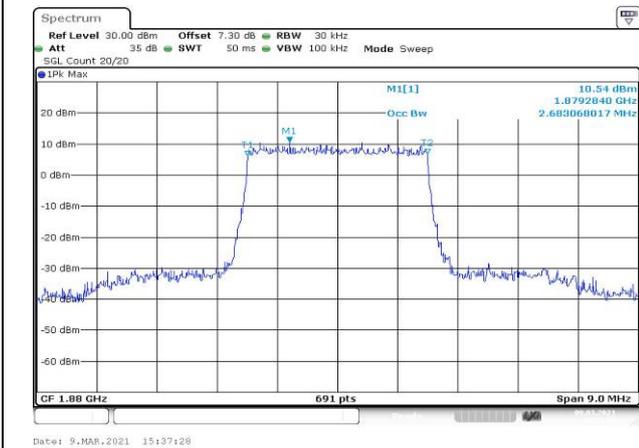


Fig.15

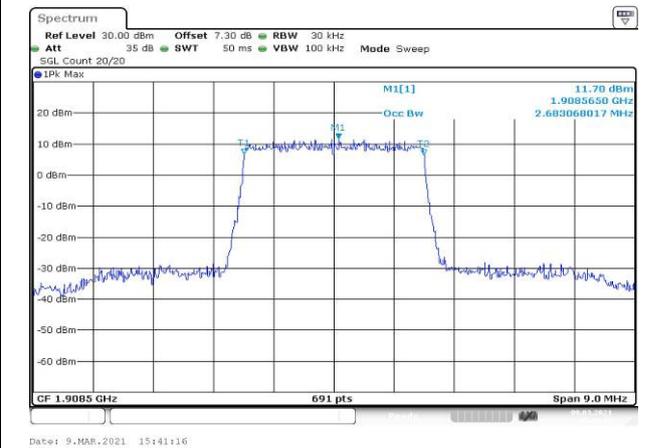


Fig.16

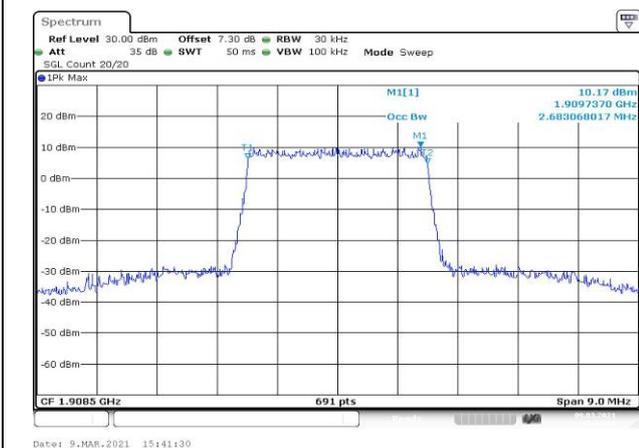


Fig.17

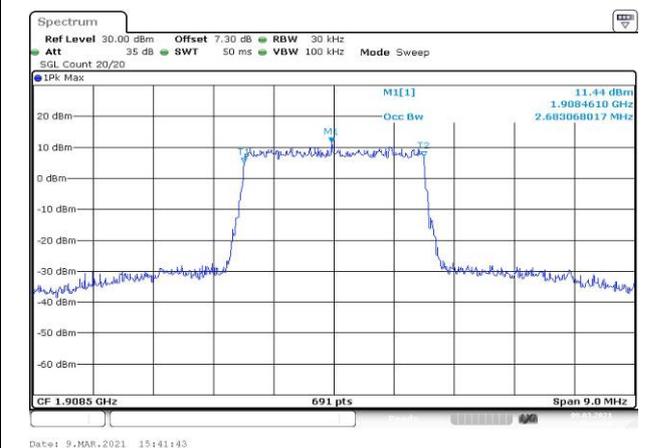


Fig.18

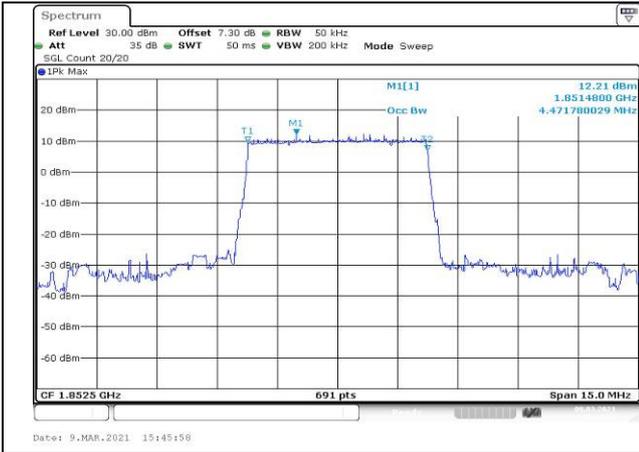


Fig.19

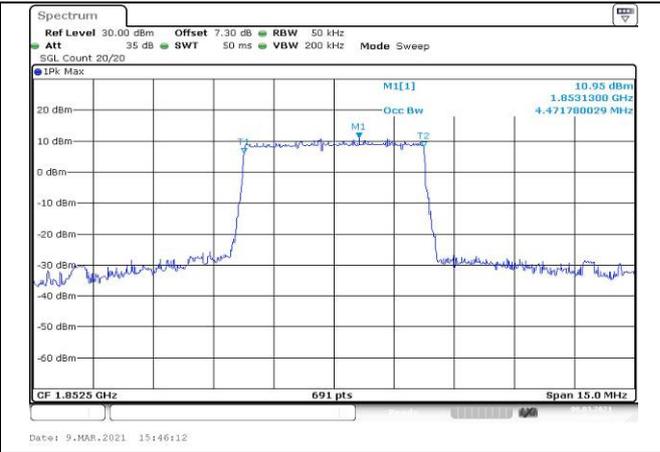


Fig.20

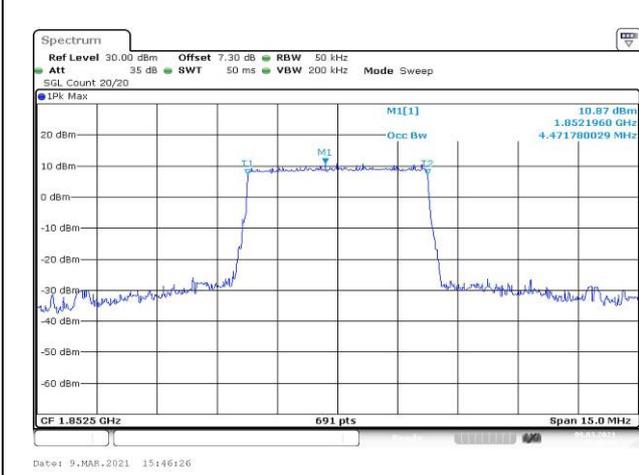


Fig.21

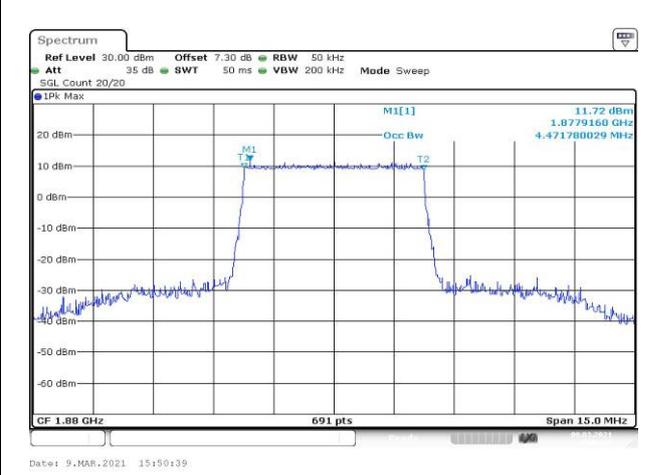


Fig.22

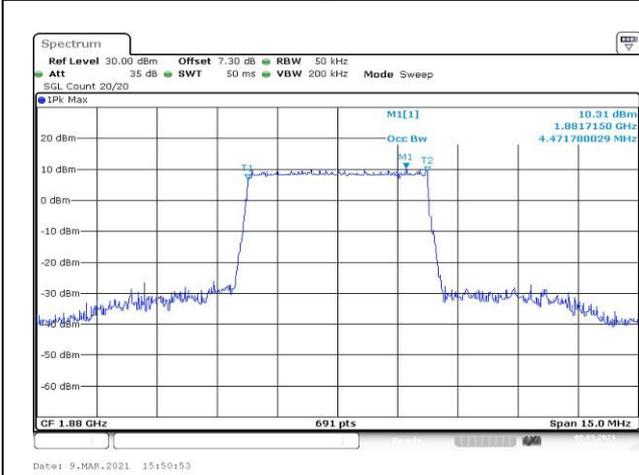


Fig.23

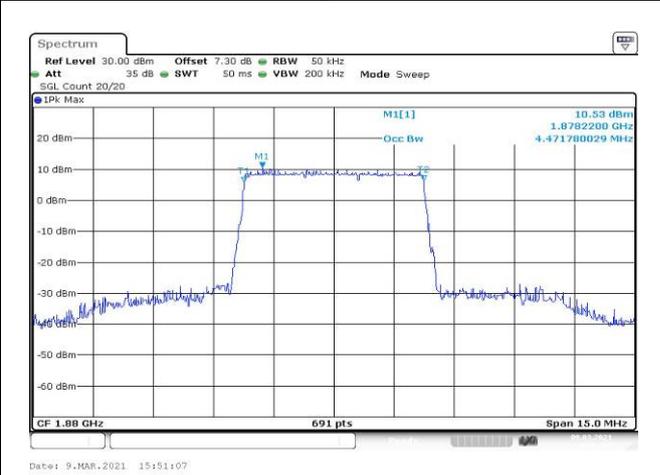


Fig.24

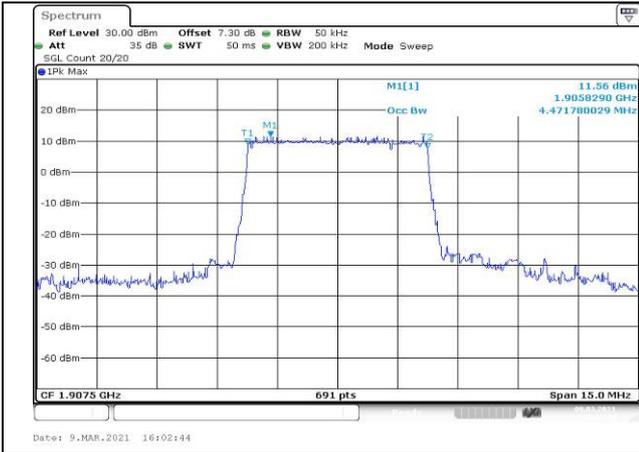


Fig.25

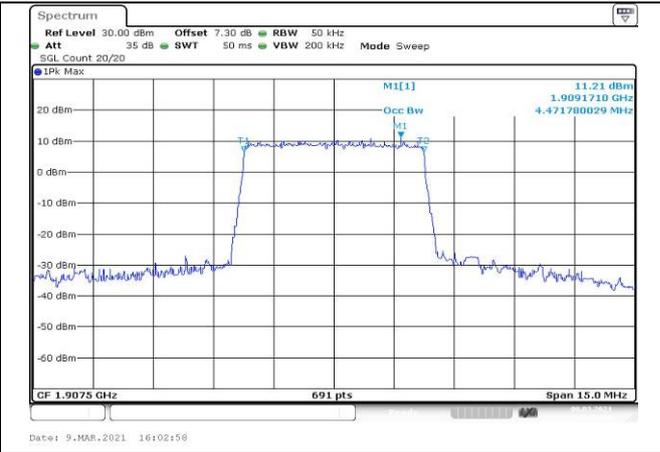


Fig.26

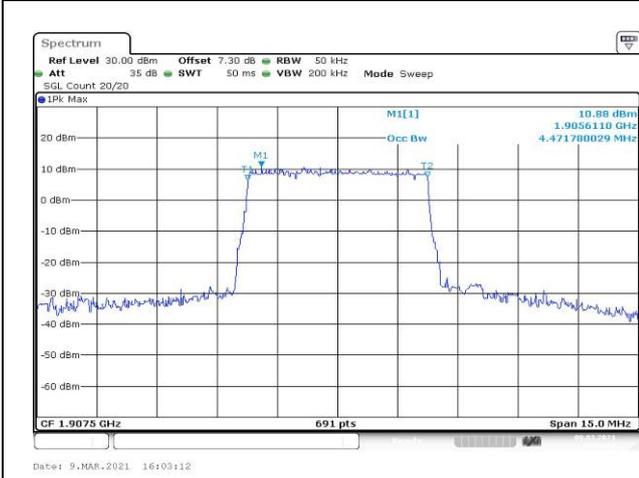


Fig.27

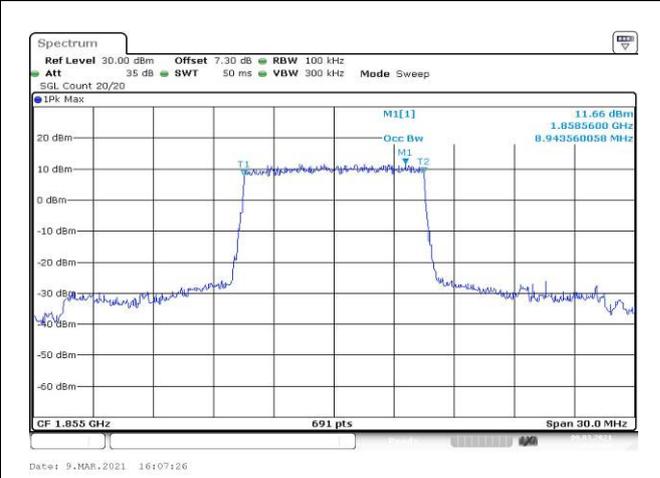


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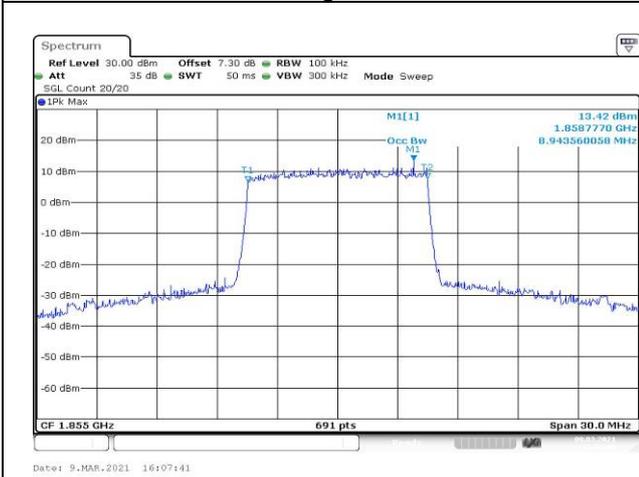


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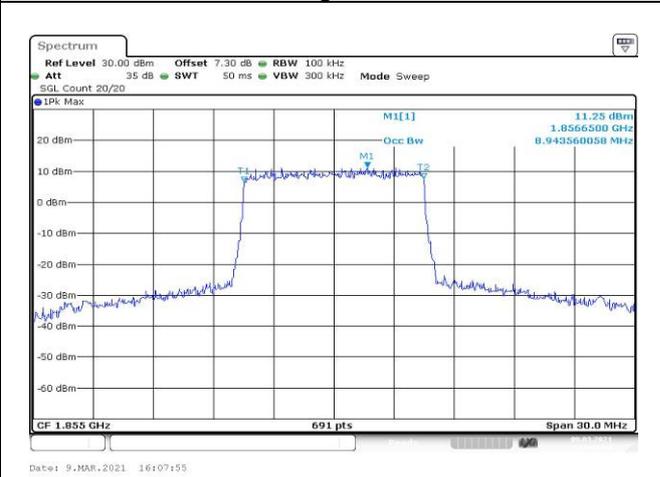


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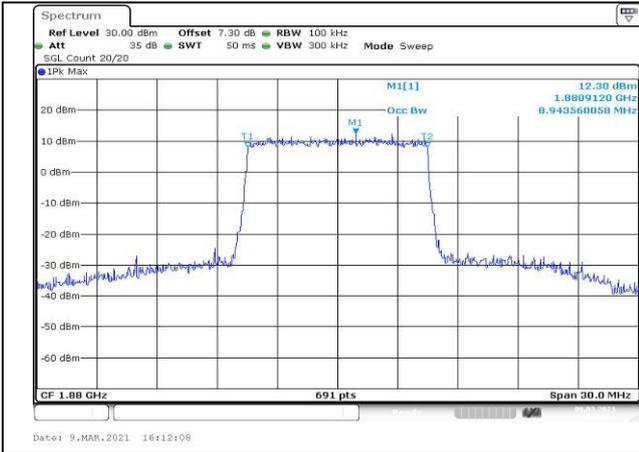


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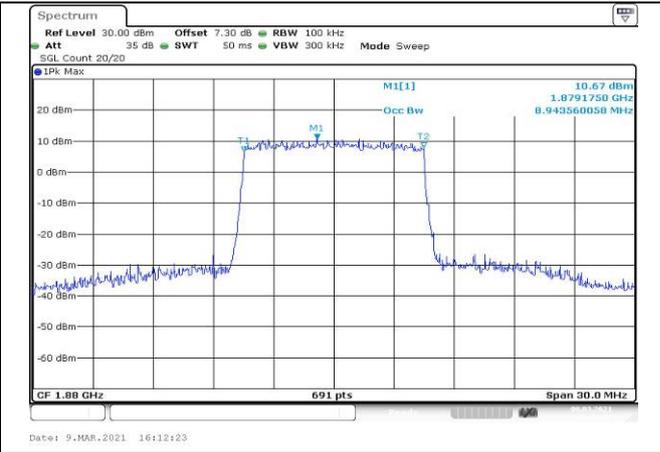


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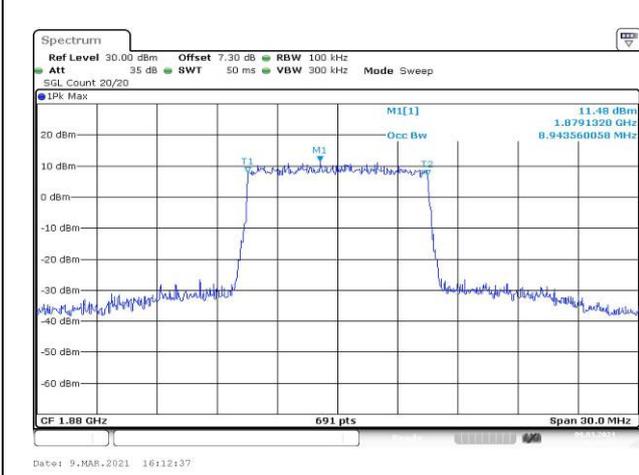


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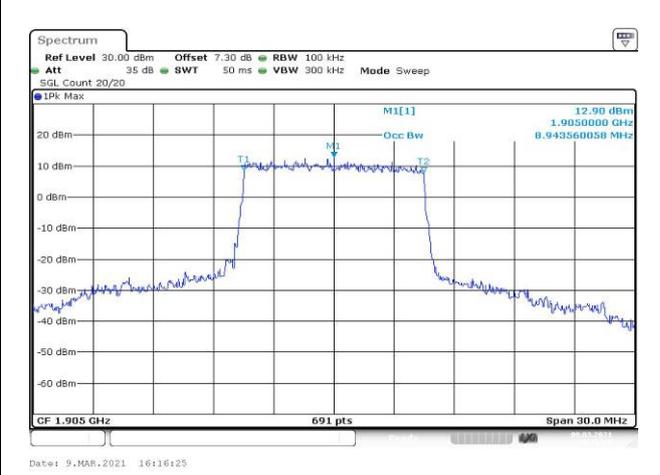


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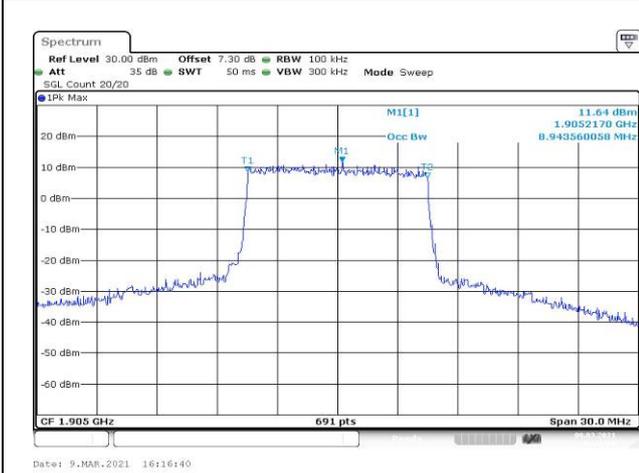


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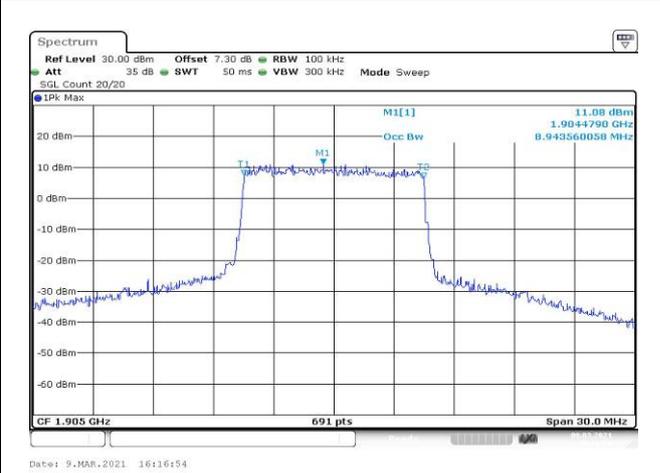


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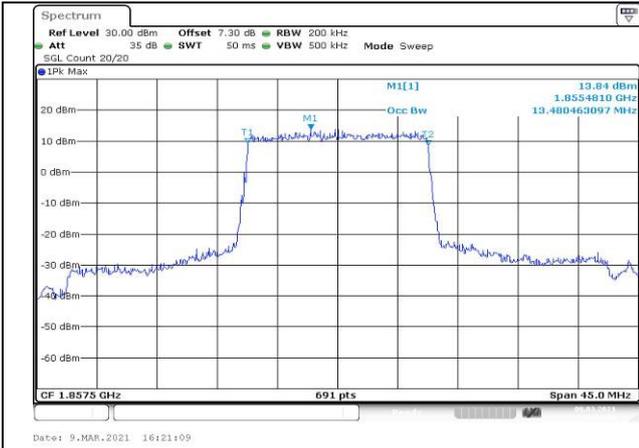


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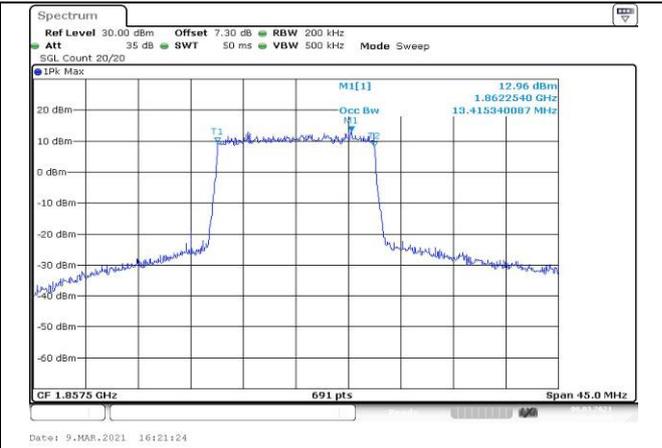


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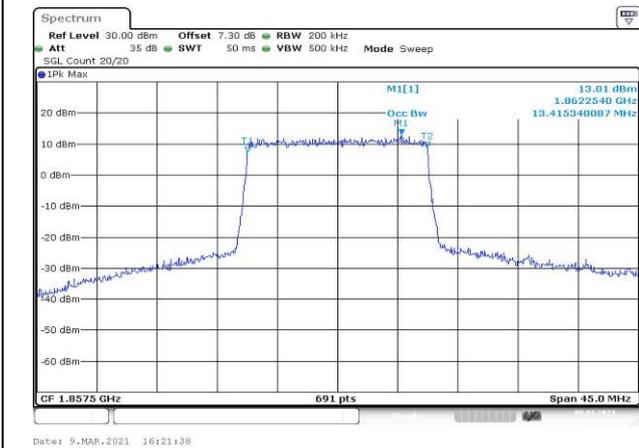


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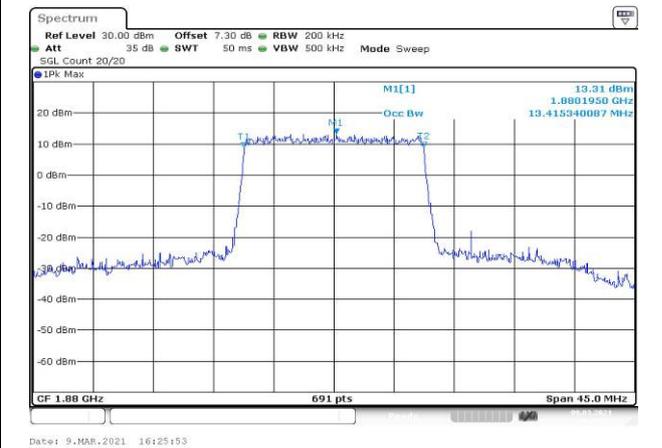


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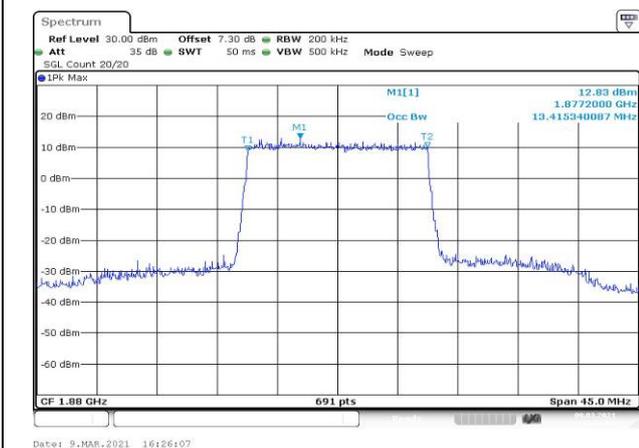


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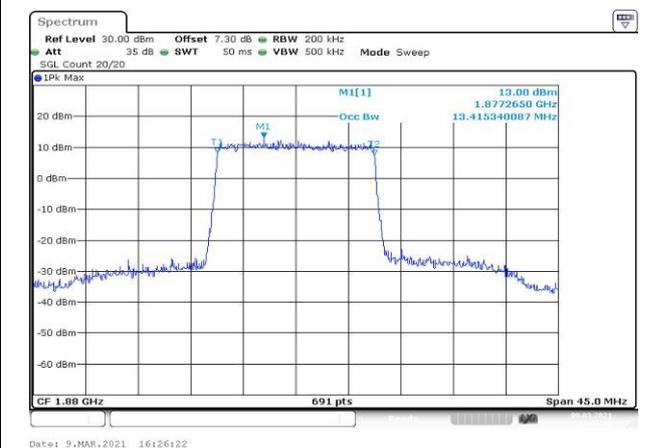
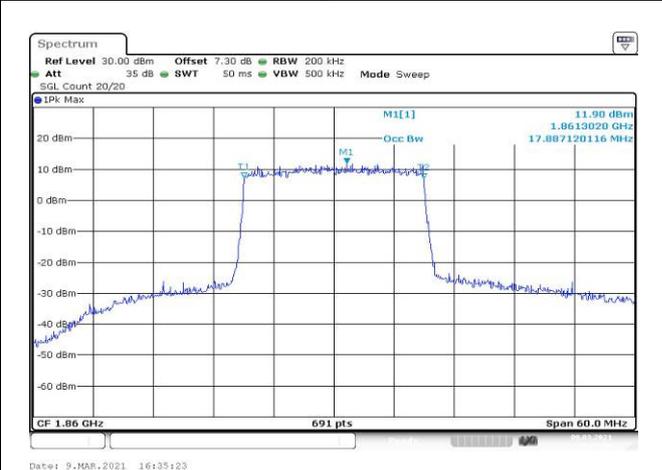
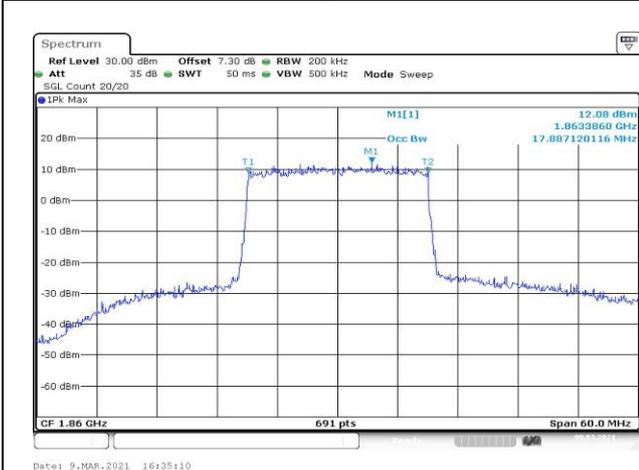
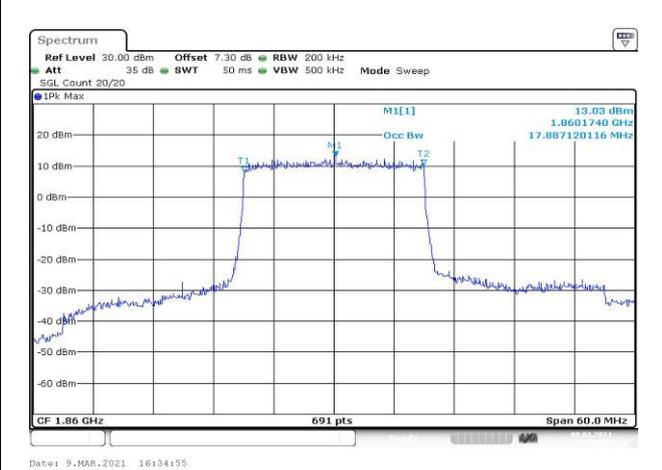
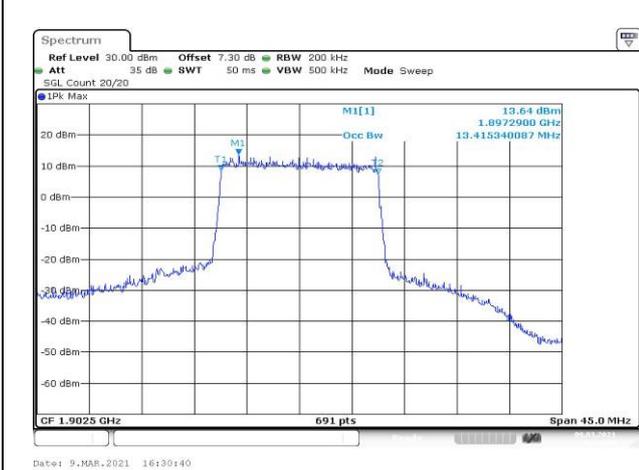
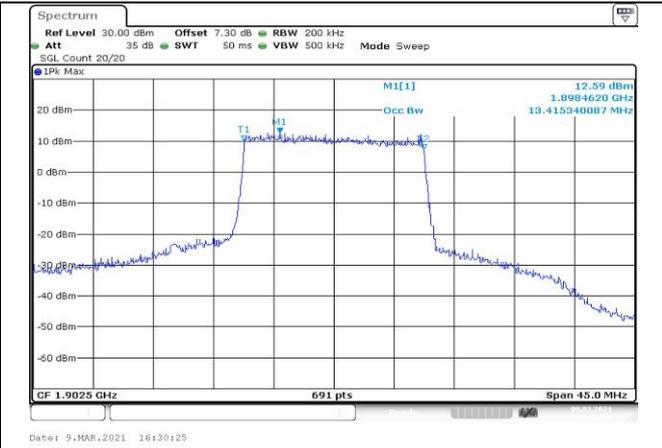
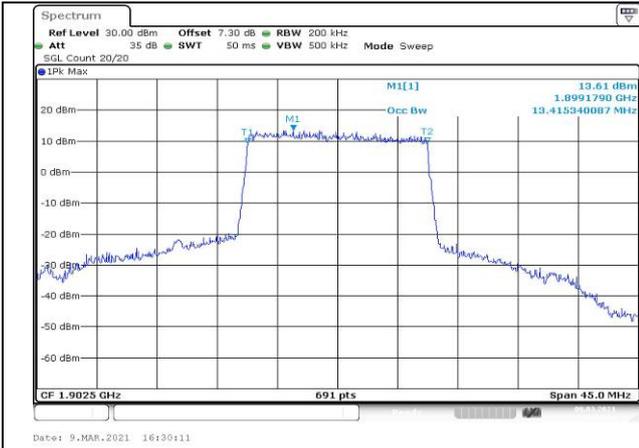


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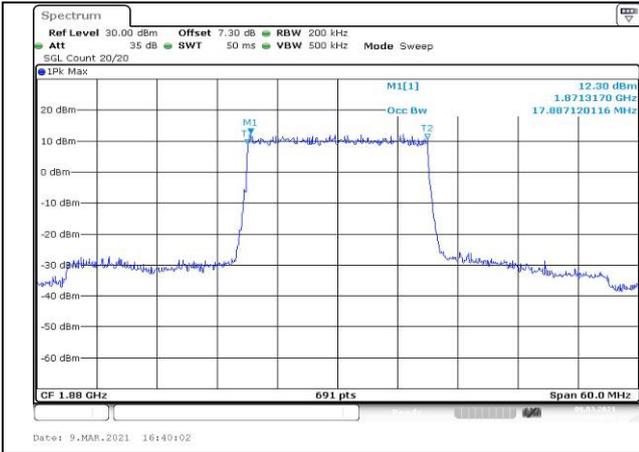


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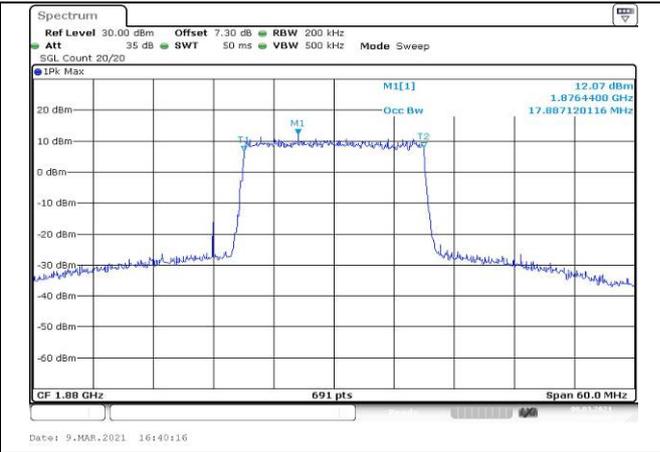


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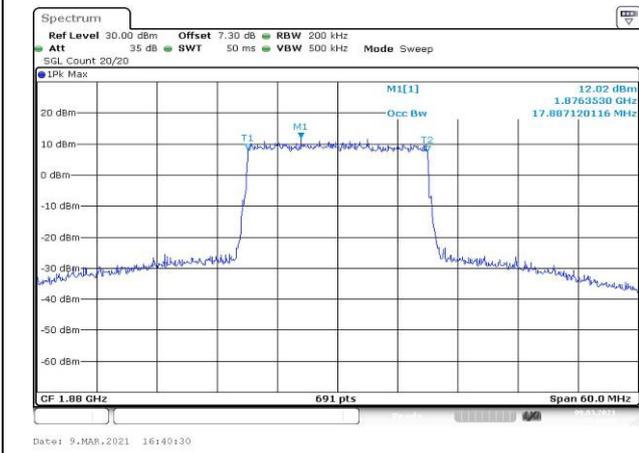


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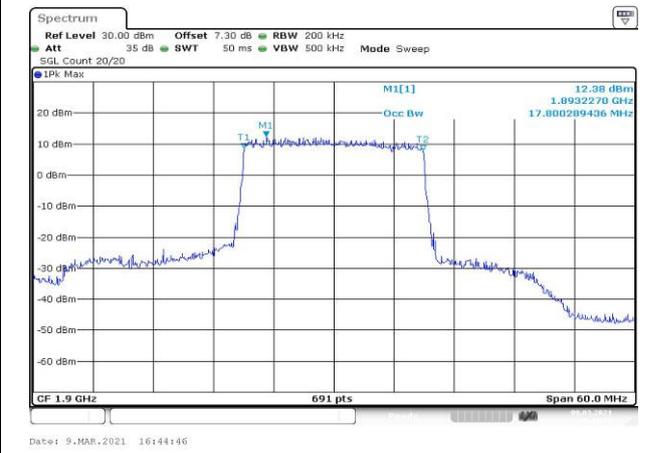


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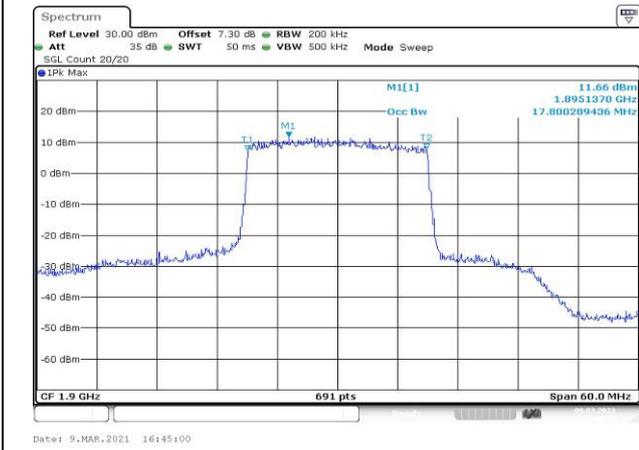


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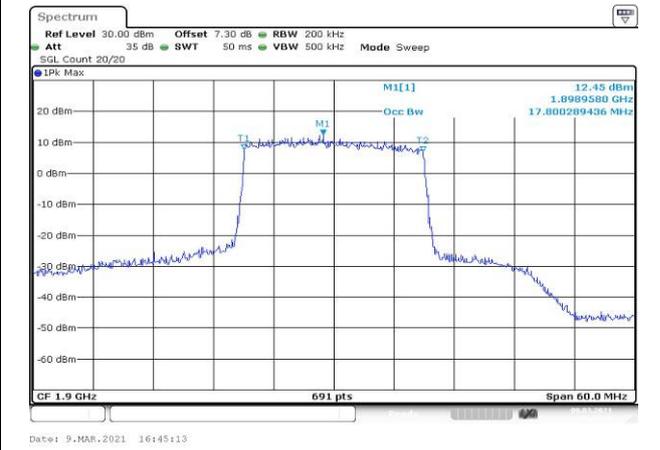


Fig.54

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	
2	1850.7	18607	1.4	6	0	1.210	Fig.1	1.222	Fig.2	1.222	Fig.3
	1880	18900		6	0	1.222	Fig.4	1.216	Fig.5	1.210	Fig.6
	1909.3	19193		6	0	1.222	Fig.7	1.216	Fig.8	1.216	Fig.9
	1851.5	18615	3	15	0	2.904	Fig.10	2.904	Fig.11	2.944	Fig.12
	1880	18900		15	0	2.918	Fig.13	2.931	Fig.14	2.918	Fig.15
	1908.5	19185		15	0	2.931	Fig.16	2.931	Fig.17	2.931	Fig.18
	1852.5	18625	5	25	0	4.884	Fig.19	4.797	Fig.20	4.819	Fig.21
	1880	18900		25	0	4.884	Fig.22	4.841	Fig.23	4.863	Fig.24
	1907.5	19175		25	0	4.884	Fig.25	4.906	Fig.26	4.906	Fig.27
	1855	18650	10	50	0	9.638	Fig.28	9.595	Fig.29	9.595	Fig.30
	1880	18900		50	0	9.638	Fig.31	9.551	Fig.32	9.682	Fig.33
	1905	19150		50	0	9.595	Fig.34	9.551	Fig.35	9.682	Fig.36
	1857.5	18675	15	75	0	14.457	Fig.37	14.457	Fig.38	14.522	Fig.39
	1880	18900		75	0	14.522	Fig.40	14.588	Fig.41	14.522	Fig.42
	1902.5	19125		75	0	14.457	Fig.43	14.457	Fig.44	14.457	Fig.45
	1860	18700	20	100	0	18.929	Fig.46	19.016	Fig.47	19.190	Fig.48
	1880	18900		100	0	19.103	Fig.49	19.190	Fig.50	19.103	Fig.51
	1900	19100		100	0	19.016	Fig.52	18.929	Fig.53	19.103	Fig.54

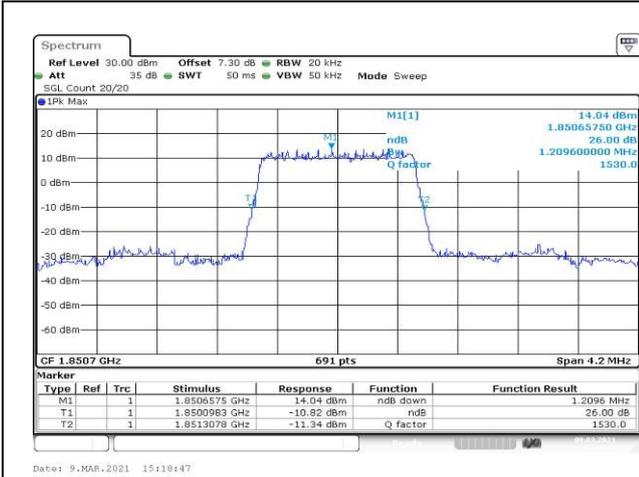


Fig.1

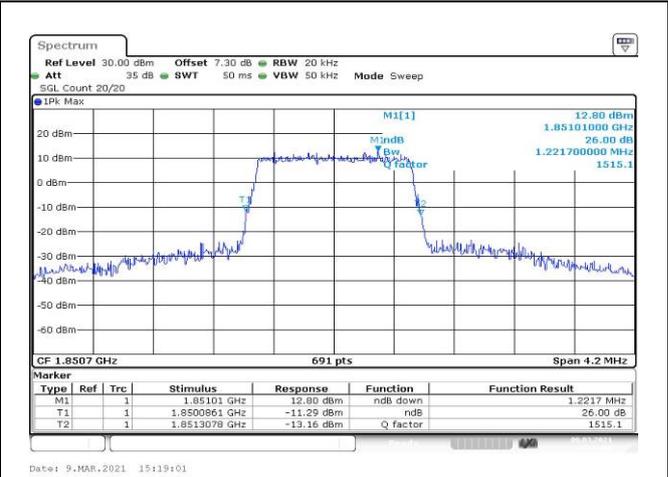


Fig.2

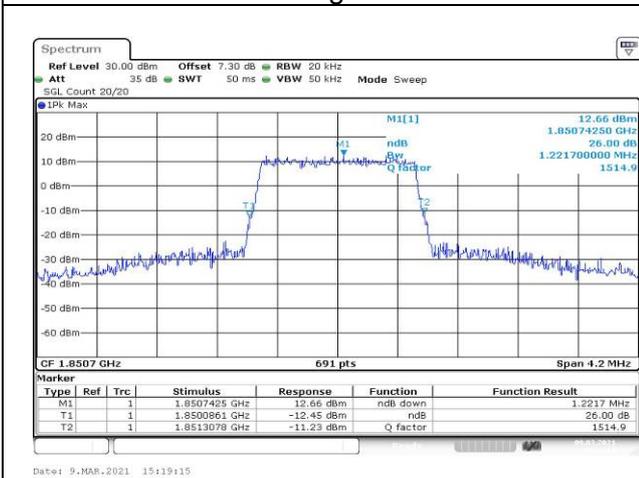


Fig.3

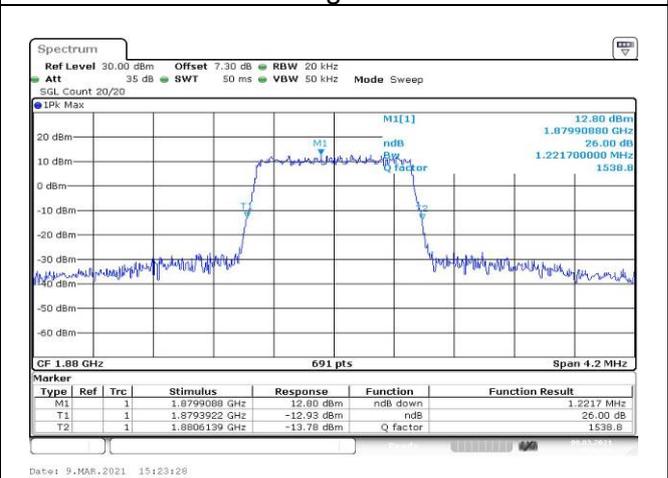


Fig.4

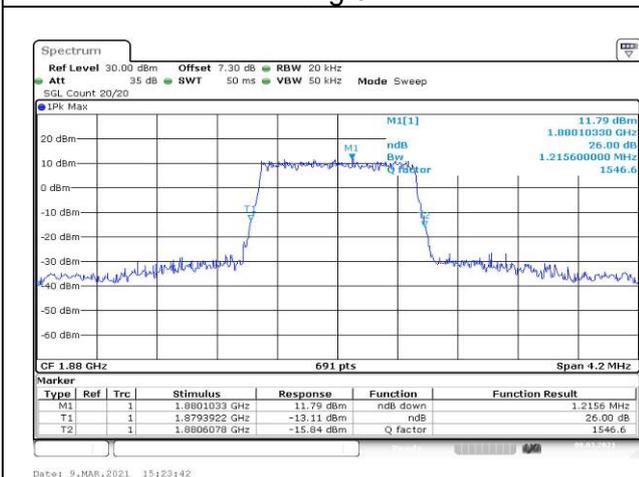


Fig.5

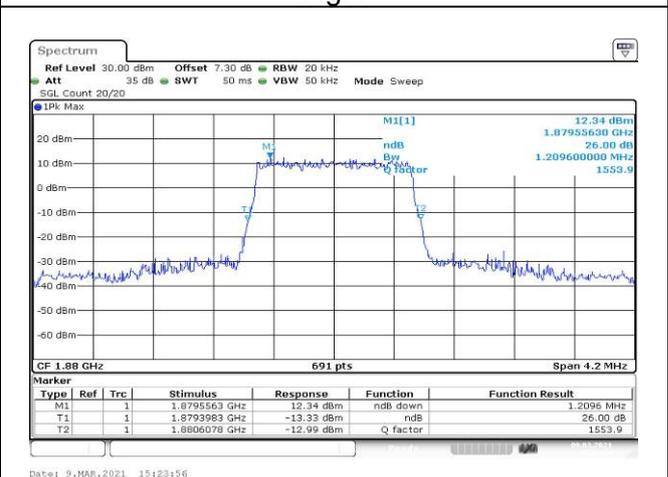


Fig.6

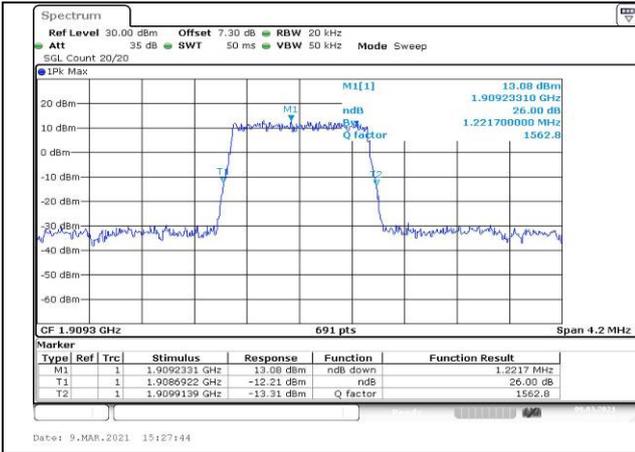


Fig.7

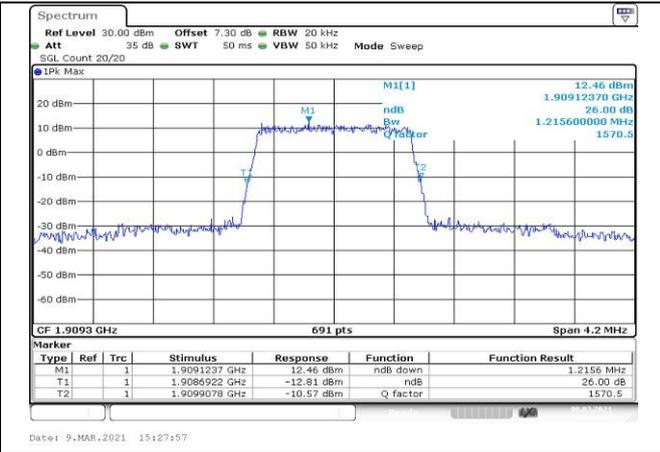


Fig.8

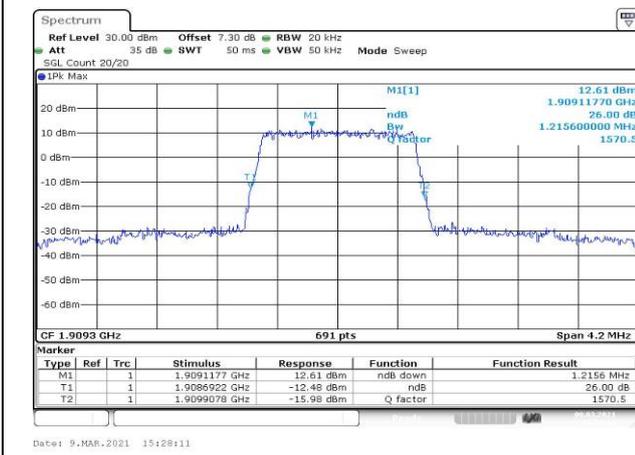


Fig.9

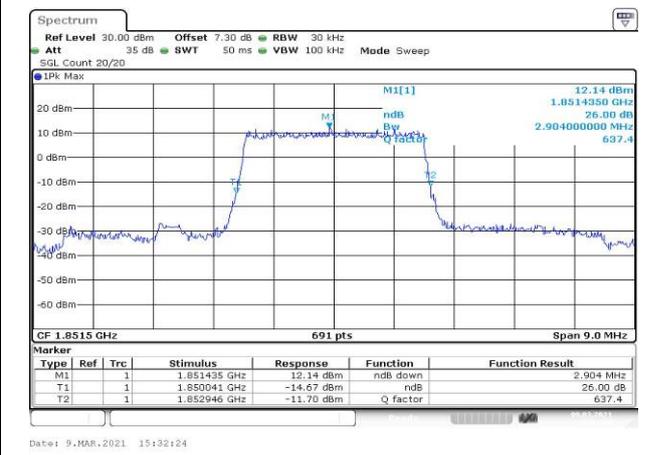


Fig.10

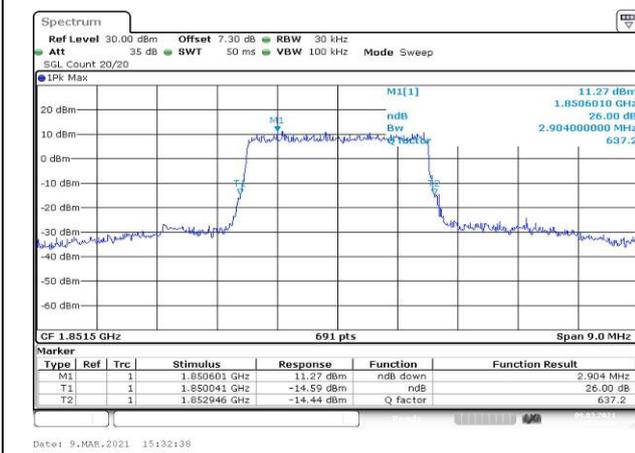


Fig.11

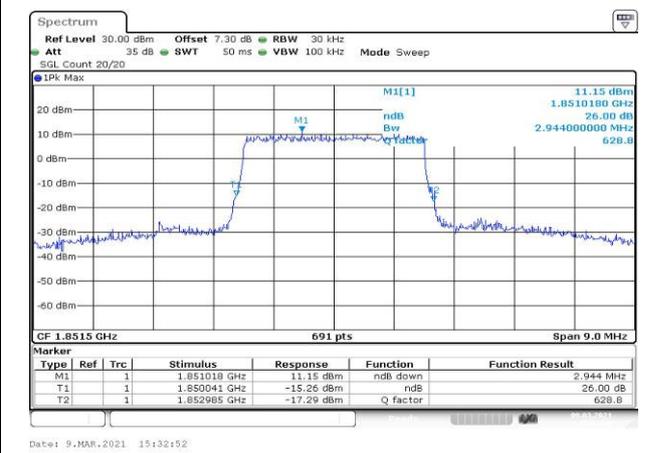


Fig.12

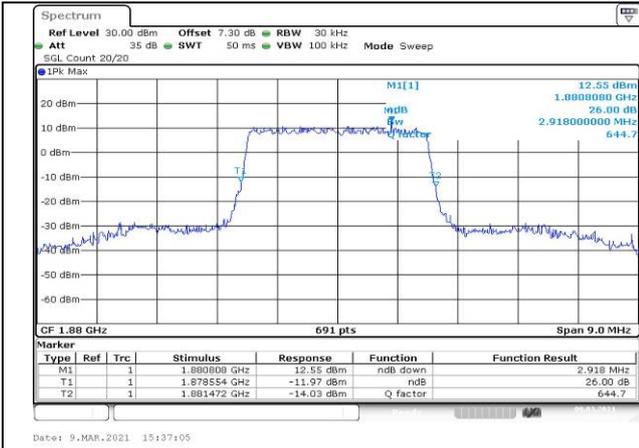


Fig.13

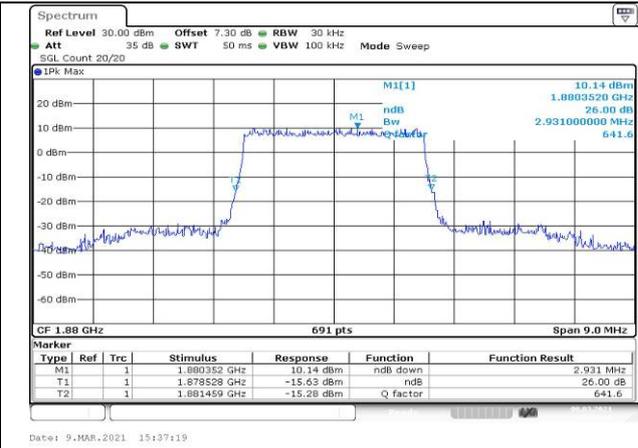


Fig.14

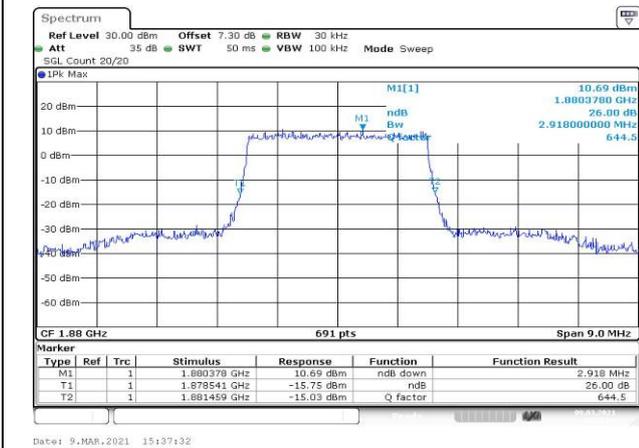


Fig.15

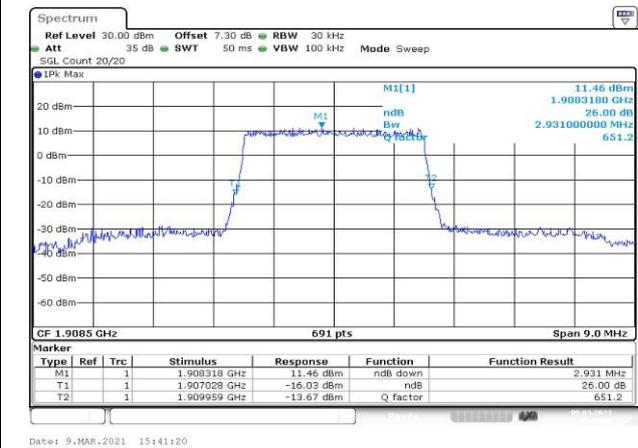


Fig.16

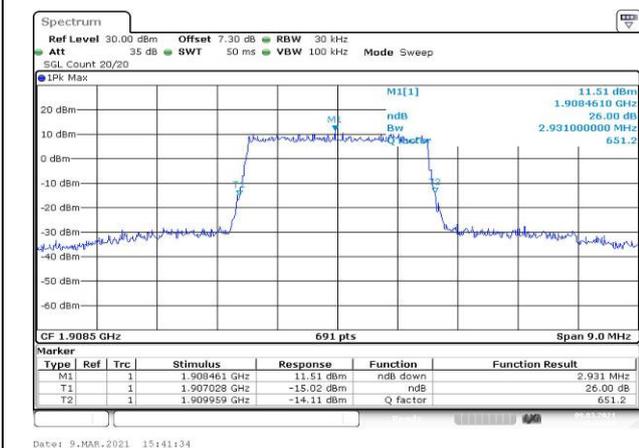


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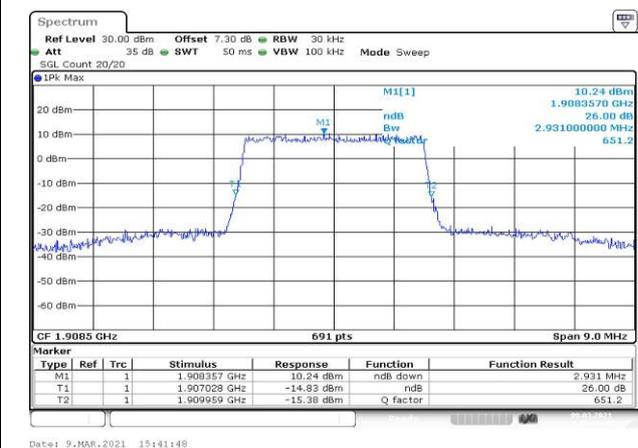


Fig.18

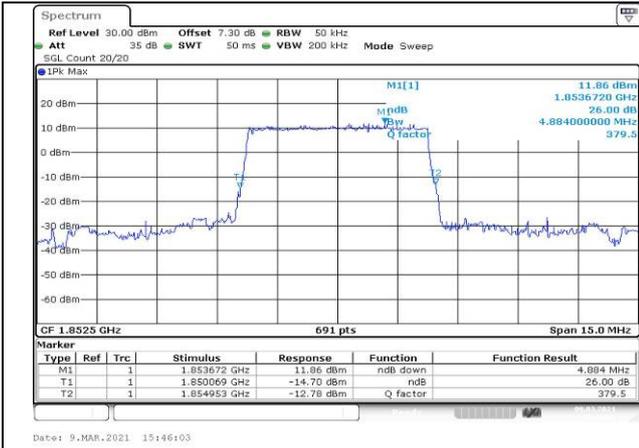


Fig.19

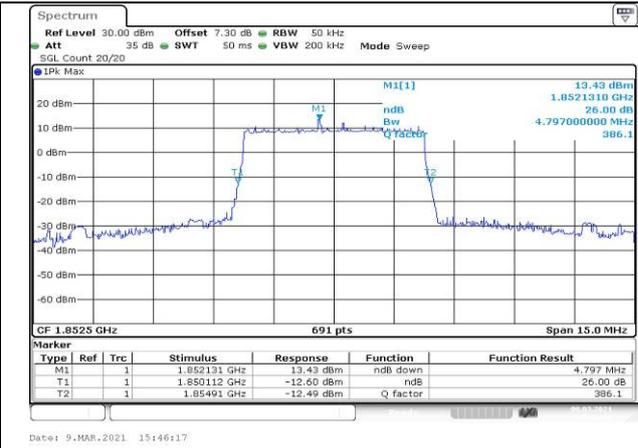


Fig.20

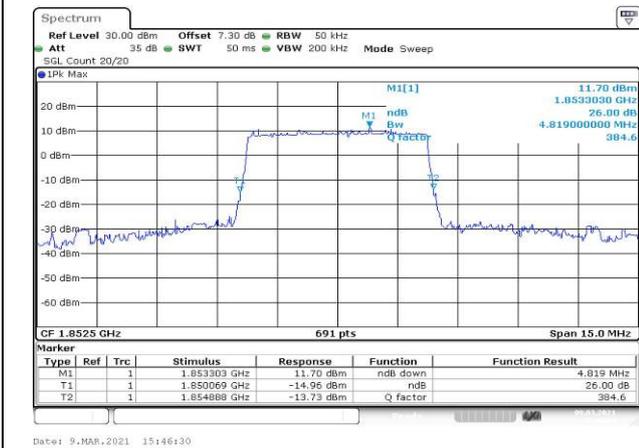


Fig.21

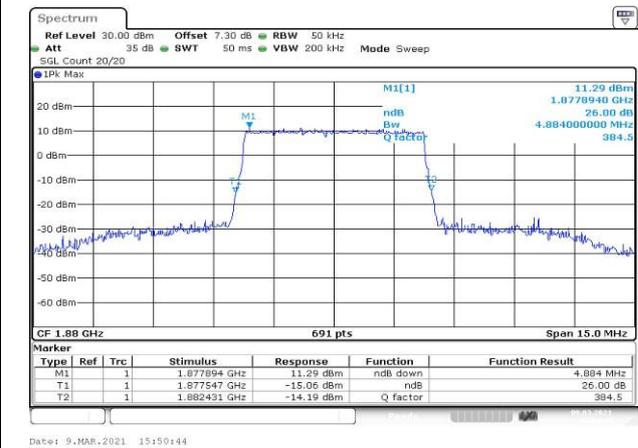


Fig.22

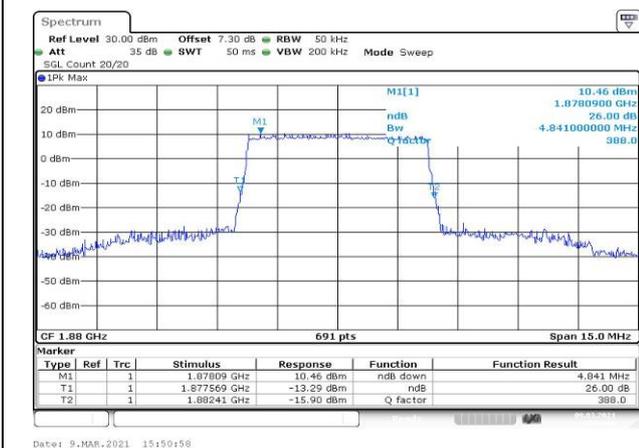


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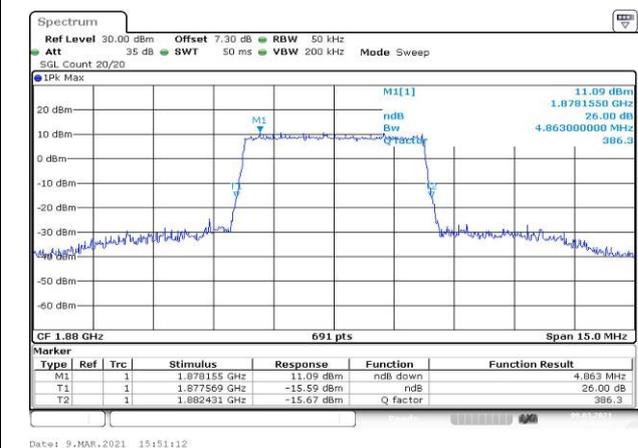


Fig.24

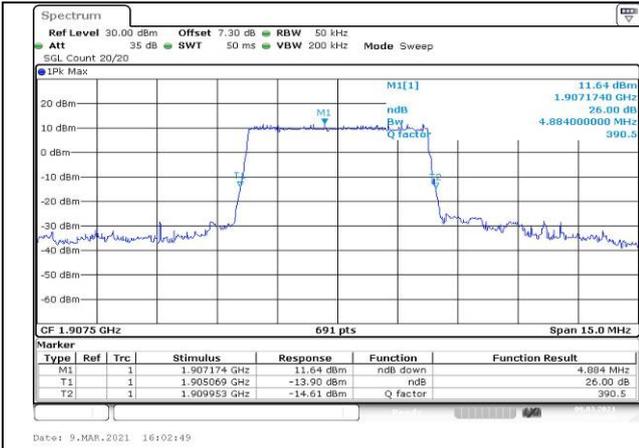


Fig.25

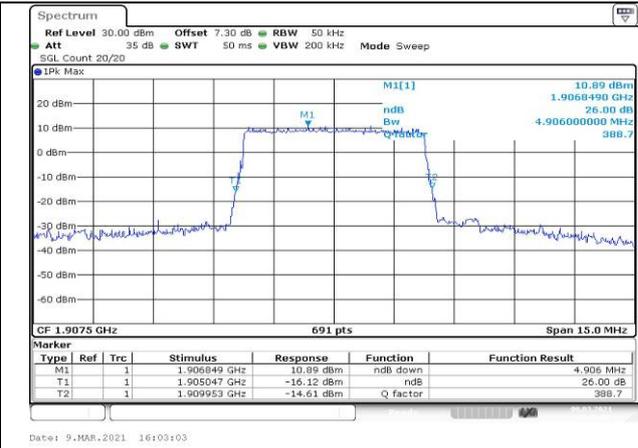


Fig.26

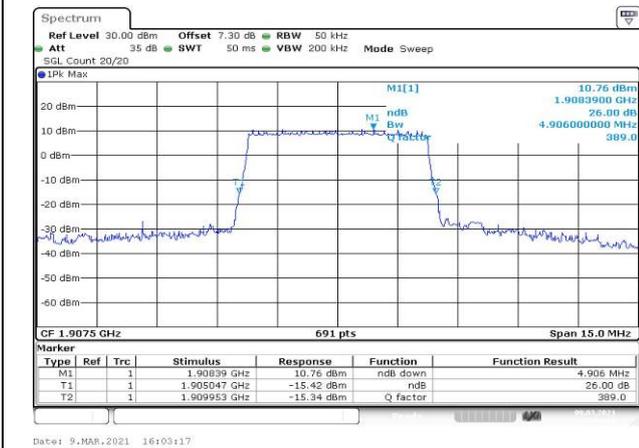


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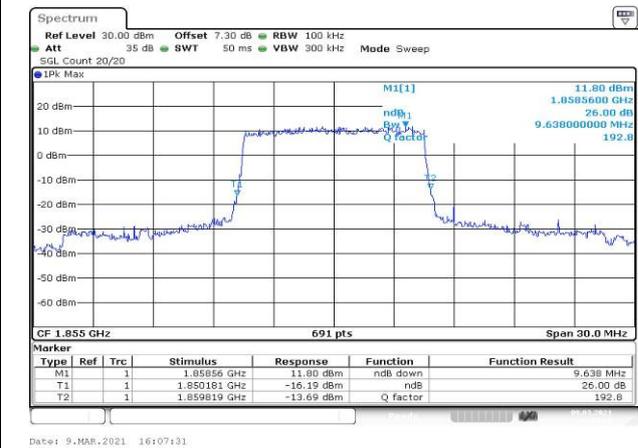


Fig.28

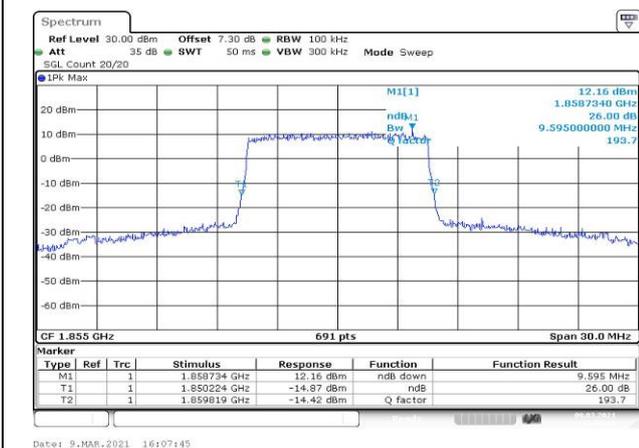


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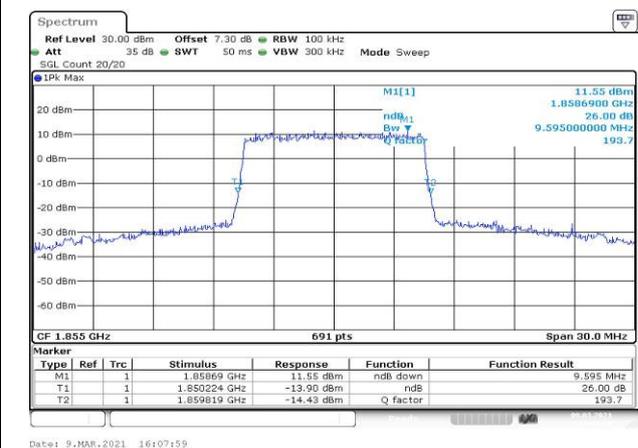


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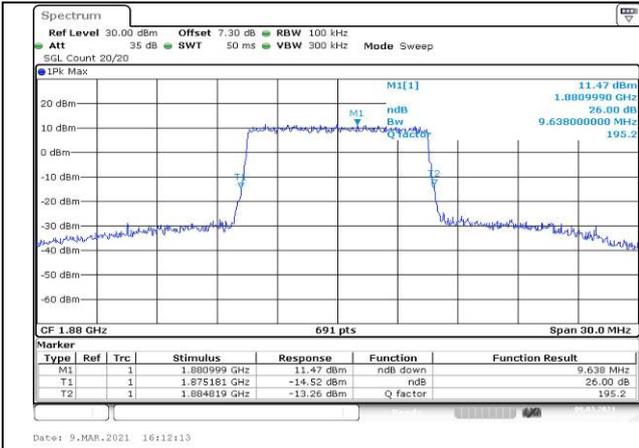


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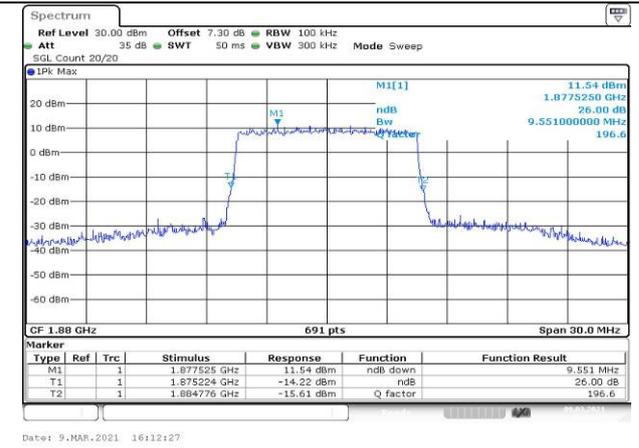


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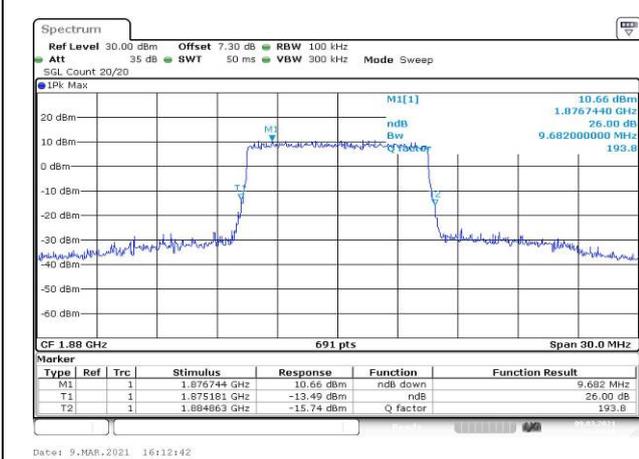


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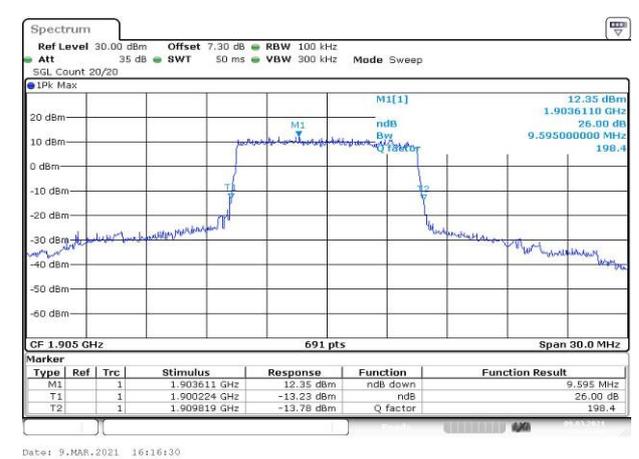


Fig.34



Fig.35

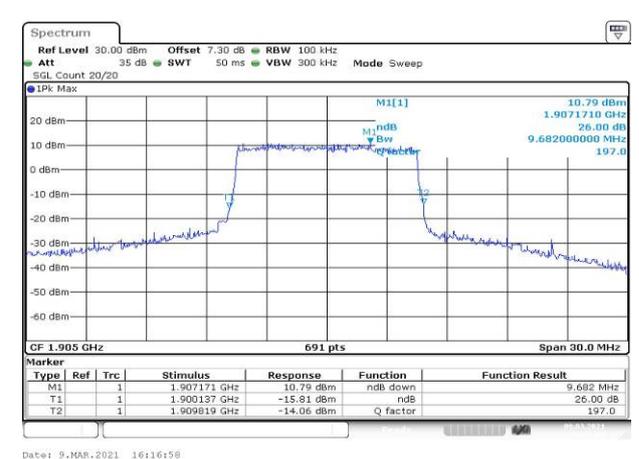


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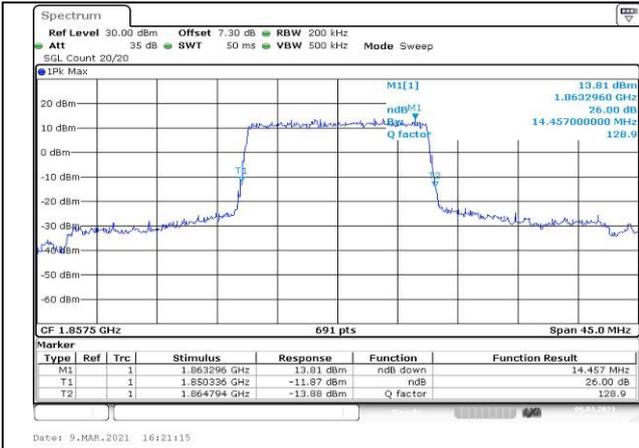


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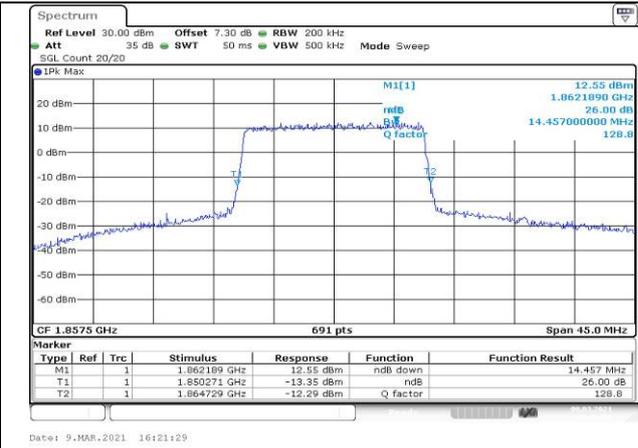


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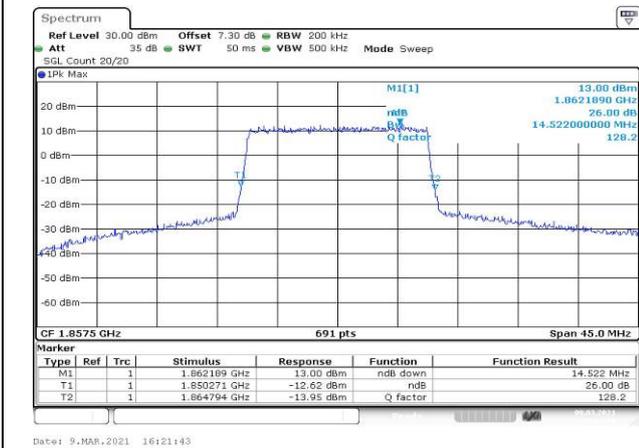


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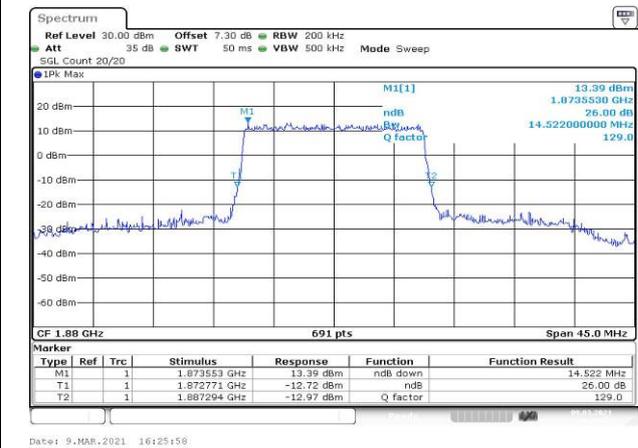


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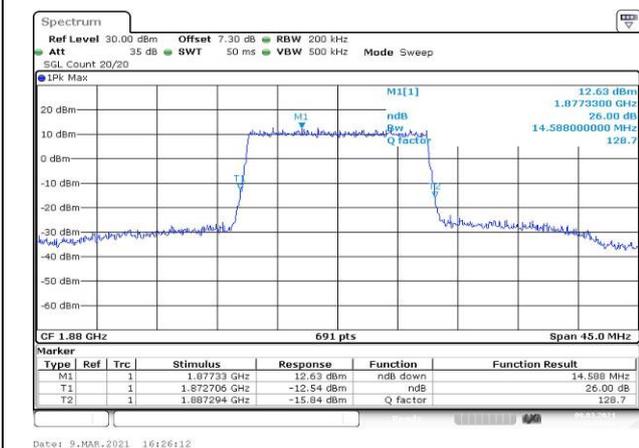


Fig.41

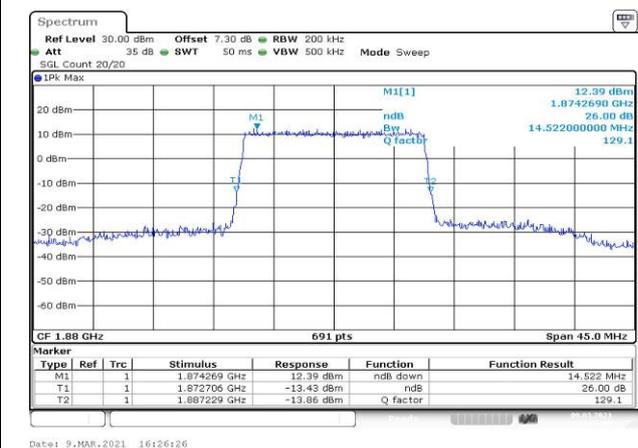


Fig.42