

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	23.67
				1	3	23.61
				1	5	23.65
				3	0	23.95
				3	1	23.90
				3	3	23.81
	1880	18900		6	0	22.92
				1	0	23.03
				1	3	22.99
				1	5	22.99
				3	0	23.21
				3	1	23.19
	1909.3	19193		3	3	23.05
				6	0	22.08
				1	0	23.39
				1	3	23.39
				1	5	23.37
				3	0	23.43
16QAM	1850.7	18607	3	1	23.46	
			3	3	23.48	
			6	0	22.61	
			1	0	22.85	
			1	3	22.92	
			1	5	22.89	
	1880	18900	3	0	22.97	
			3	1	22.88	
			3	3	22.94	
			6	0	21.86	
			1	0	22.18	
			1	3	22.08	
	1909.3	19193	1	5	22.05	
			3	0	22.34	
			3	1	22.38	
			3	3	22.32	
			6	0	21.17	
			1	0	22.57	
			1	3	22.57	
			1	5	22.59	
			3	0	22.48	
			3	1	22.38	
			3	3	22.38	
			6	0	21.56	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1850.7	18607	1.4	1	0	21.82
				1	3	21.82
				1	5	21.78
				3	0	21.84
				3	1	21.73
				3	3	21.43
	6	0		21.64		
	1880	18900		1	0	21.13
				1	3	21.13
				1	5	21.14
				3	0	21.16
				3	1	21.14
				3	3	21.09
	6	0		21.10		
	1909.3	19193		1	0	21.58
				1	3	21.61
				1	5	21.57
				3	0	21.57
				3	1	21.55
				3	3	21.52
	6	0		21.53		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1851.5	18615	3	1	0	23.35	
				1	8	23.28	
				1	14	23.27	
				8	0	22.36	
				8	4	22.30	
				8	7	22.33	
	15	0		22.36			
	1880	18900		1	0	23.04	
				1	8	23.04	
				1	14	23.06	
				8	0	22.03	
				8	4	22.08	
				8	7	22.06	
	15	0		22.03			
	1908.5	19185		1	0	23.39	
1			8	23.50			
1			14	23.41			
8			0	22.51			
8			4	22.44			
8			7	22.44			
15			0	22.46			
16QAM			1851.5	18615	1	0	22.93
					1	8	22.88
	1	14			22.90		
	8	0			21.47		
	8	4			21.50		
	8	7			21.47		
	15	0	21.39				
	1880	18900	1	0	22.20		
			1	8	22.23		
			1	14	22.20		
			8	0	21.04		
			8	4	21.00		
			8	7	21.11		
	15	0	20.98				
	1908.5	19185	1	0	22.63		
1			8	22.52			
1			14	22.51			
8			0	21.50			
8			4	21.50			
8			7	21.48			
15	0	21.50					

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1851.5	18615	3	1	0	21.36
				1	8	21.41
				1	14	21.43
				8	0	21.39
				8	4	21.38
				8	7	21.31
				15	0	21.34
	1880	18900		1	0	21.02
				1	8	21.04
				1	14	20.99
				8	0	21.01
				8	4	21.03
				8	7	21.03
				15	0	21.02
	1908.5	19185		1	0	21.52
				1	8	21.54
				1	14	21.51
				8	0	21.54
				8	4	21.50
				8	7	21.48
				15	0	21.48

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	18625	5	1	0	23.31
				1	12	23.25
				1	24	23.28
				12	0	22.42
				12	7	22.42
				12	13	22.34
	25	0		22.37		
	1880	18900		1	0	22.96
				1	12	22.93
				1	24	22.99
				12	0	22.11
				12	7	22.19
				12	13	22.16
	25	0		22.12		
	1907.5	19175		1	0	23.31
				1	12	23.32
				1	24	23.34
				12	0	22.48
12			7	22.46		
12			13	22.41		
25	0	22.43				
16QAM	1852.5	18625	1	0	22.30	
			1	12	22.26	
			1	24	22.26	
			12	0	21.37	
			12	7	21.35	
			12	13	21.29	
	25	0	21.41			
	1880	18900	1	0	22.26	
			1	12	22.25	
			1	24	22.33	
			12	0	21.10	
			12	7	21.19	
			12	13	21.14	
	25	0	21.17			
	1907.5	19175	1	0	22.49	
			1	12	22.43	
			1	24	22.45	
			12	0	21.45	
12			7	21.45		
12			13	21.43		
25	0	21.55				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1852.5	18625	5	1	0	21.44
				1	12	21.41
				1	24	21.38
				12	0	21.40
				12	7	21.45
				12	13	21.41
	1880	18900		25	0	21.40
				1	0	21.20
				1	12	21.14
				1	24	21.12
				12	0	21.15
				12	7	21.18
	1907.5	19175		12	13	21.20
				25	0	21.17
				1	0	21.51
				1	12	21.51
				1	24	21.52
				12	0	21.51
				12	7	21.45
				12	13	21.52
				25	0	21.48

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	18650	10	1	0	23.41
				1	25	23.25
				1	49	23.23
				25	0	22.45
				25	12	22.45
				25	25	22.42
	1880	18900		50	0	22.40
				1	0	23.10
				1	25	23.05
				1	49	23.10
				25	0	22.21
				25	12	22.25
	1905	19150		25	25	22.23
				50	0	22.27
				1	0	23.35
				1	25	23.51
				1	49	23.42
				25	0	22.54
16QAM	1855	18650	25	12	22.52	
			25	25	22.52	
			50	0	22.59	
			1	0	22.97	
			1	25	22.89	
			1	49	22.89	
	1880	18900	25	0	21.50	
			25	12	21.47	
			25	25	21.52	
			50	0	21.44	
			1	0	22.36	
			1	25	22.32	
	1905	19150	1	49	22.32	
			25	0	21.25	
			25	12	21.28	
			25	25	21.35	
			50	0	21.23	
			1	0	22.42	
			1	25	22.53	
			1	49	22.58	
			25	0	21.65	
			25	12	21.72	
			25	25	21.64	
			50	0	21.59	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1855	18650	10	1	0	21.46
				1	25	21.46
				1	49	21.45
				25	0	21.45
				25	12	21.46
				25	25	21.46
	50	0		21.47		
	1880	18900		1	0	21.21
				1	25	21.28
				1	49	21.27
				25	0	21.30
				25	12	21.23
				25	25	21.24
	50	0		21.27		
	1905	19150		1	0	21.53
				1	25	21.54
				1	49	21.59
				25	0	21.56
				25	12	21.62
				25	25	21.58
	50	0		21.61		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	18675	15	1	0	23.34
				1	37	23.01
				1	74	23.03
				36	0	22.42
				36	29	22.36
				36	30	22.36
	1880	18900		75	0	22.40
				1	0	23.08
				1	37	23.03
				1	74	23.08
				36	0	22.24
				36	29	22.29
	1902.5	19125		36	30	22.23
				75	0	22.26
				1	0	23.24
				1	37	23.36
				1	74	23.38
				36	0	22.52
16QAM	1857.5	18675	36	29	22.54	
			36	30	22.52	
			75	0	22.52	
			1	0	22.95	
			1	37	22.73	
			1	74	22.76	
	1880	18900	36	0	21.44	
			36	29	21.30	
			36	30	21.31	
			75	0	21.32	
			1	0	22.30	
			1	37	22.28	
	1902.5	19125	1	74	22.21	
			36	0	21.17	
			36	29	21.24	
			36	30	21.26	
			75	0	21.25	
			1	0	22.69	
			1	37	22.76	
			1	74	22.81	
			36	0	21.39	
			36	29	21.51	
			36	30	21.46	
			75	0	21.49	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1857.5	18675	15	1	0	21.41
				1	37	21.40
				1	74	21.41
				36	0	21.41
				36	29	21.43
				36	30	21.34
				75	0	21.43
	1880	18900		1	0	21.22
				1	37	21.22
				1	74	21.23
				36	0	21.23
				36	29	21.25
				36	30	21.20
				75	0	21.19
	1902.5	19125		1	0	21.45
				1	37	21.47
				1	74	21.47
				36	0	21.45
				36	29	21.47
				36	30	21.47
				75	0	21.47

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	18700	20	1	0	23.18
				1	49	22.88
				1	99	22.83
				50	0	22.44
				50	24	22.22
				50	50	22.32
	1880	18900		100	0	22.30
				1	0	23.05
				1	49	22.97
				1	99	22.96
				50	0	22.20
				50	24	22.26
	1900	19100		50	50	22.29
				100	0	22.21
				1	0	22.94
				1	49	23.13
				1	99	23.15
				50	0	22.49
16QAM	1860	18700	50	24	22.40	
			50	50	22.31	
			100	0	22.44	
			1	0	22.42	
			1	49	22.28	
			1	99	22.25	
	1880	18900	50	0	21.35	
			50	24	21.22	
			50	50	21.28	
			100	0	21.37	
			1	0	22.25	
			1	49	22.18	
	1900	19100	1	99	22.18	
			50	0	21.12	
			50	24	21.28	
			50	50	21.30	
			100	0	21.20	
			1	0	22.57	
			1	49	22.73	
			1	99	22.68	
			50	0	21.52	
			50	24	21.36	
			50	50	21.37	
			100	0	21.45	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1860	18700	20	1	0	21.27
				1	49	21.36
				1	99	21.32
				50	0	21.35
				50	24	21.32
				50	50	21.32
	100	0		21.31		
	1880	18900		1	0	21.22
				1	49	21.20
				1	99	21.24
				50	0	21.27
				50	24	21.18
				50	50	21.19
	100	0		21.26		
	1900	19100		1	0	21.52
				1	49	21.44
				1	99	21.47
				50	0	21.44
				50	24	21.45
				50	50	21.51
	100	0		21.49		

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	1.094	Fig.1	1.082	Fig.2	1.082	Fig.3
	1880	18900		6	0	1.076	Fig.4	1.082	Fig.5	1.088	Fig.6
	1909.3	19193		6	0	1.088	Fig.7	1.088	Fig.8	1.082	Fig.9
	1851.5	18615	3	15	0	2.683	Fig.10	2.683	Fig.11	2.683	Fig.12
	1880	18900		15	0	2.683	Fig.13	2.683	Fig.14	2.683	Fig.15
	1908.5	19185		15	0	2.670	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	4.493	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	13.415	Fig.37	13.415	Fig.38	13.415	Fig.39
	1880	18900		75	0	13.415	Fig.40	13.480	Fig.41	13.480	Fig.42
	1902.5	19125		75	0	13.480	Fig.43	13.415	Fig.44	13.480	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	17.887	Fig.52	17.887	Fig.53	17.887	Fig.54

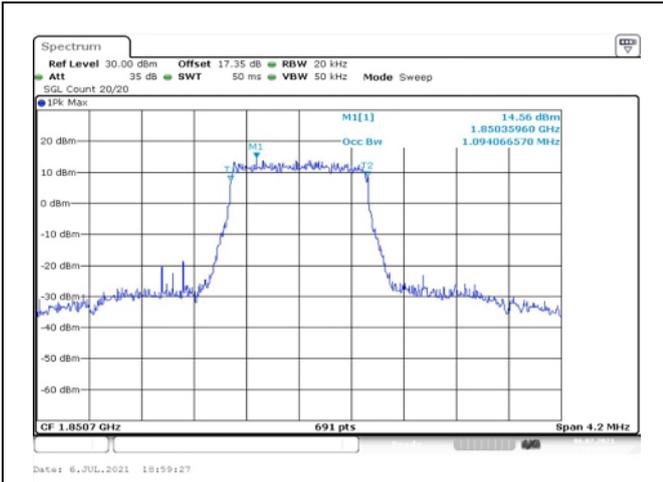


Fig.1

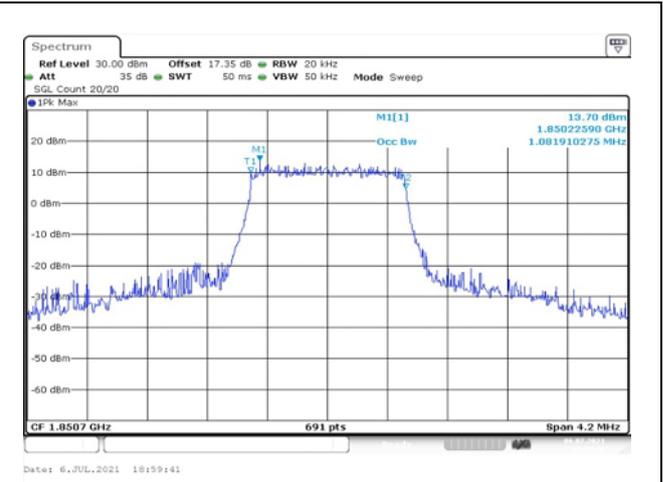


Fig.2

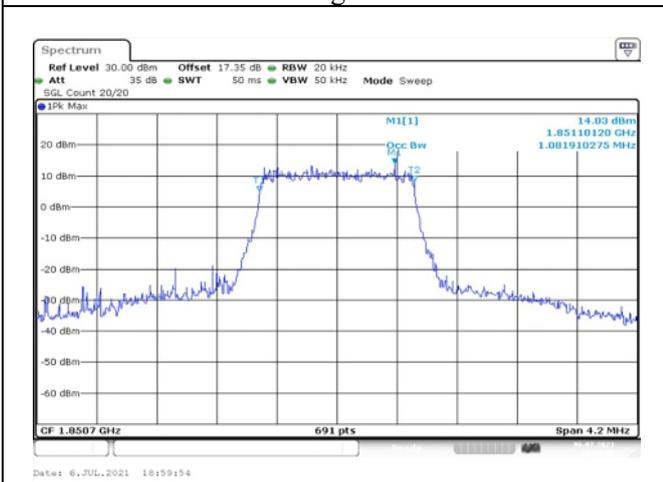


Fig.3

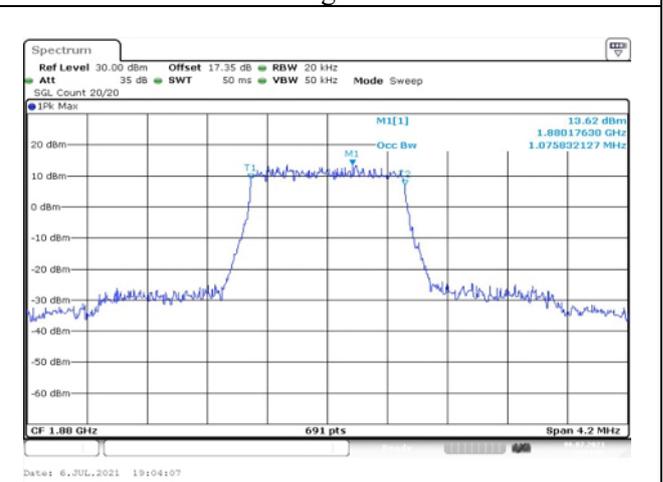


Fig.4

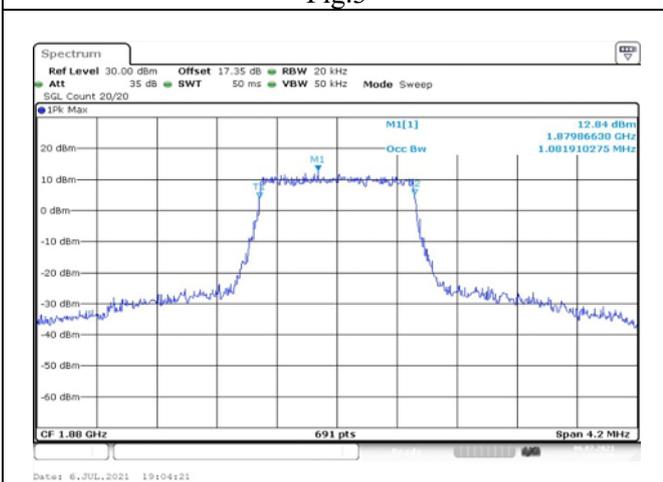


Fig.5

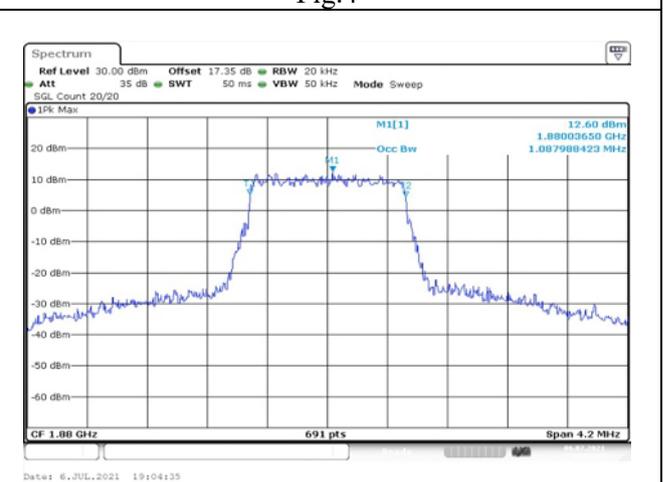


Fig.6

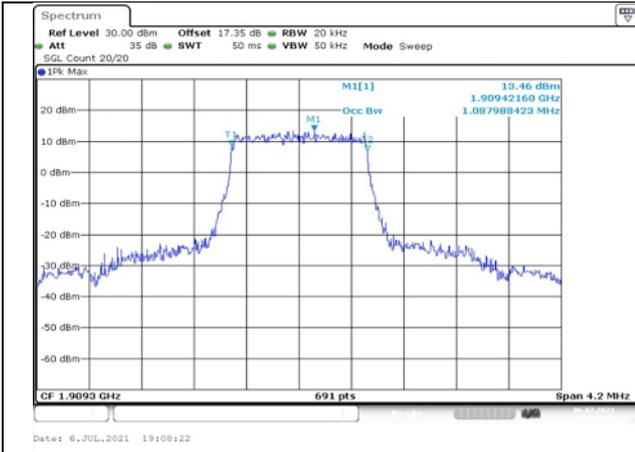


Fig.7

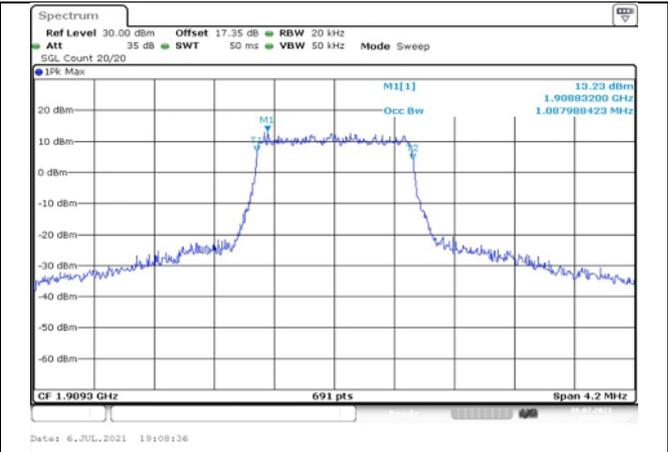


Fig.8

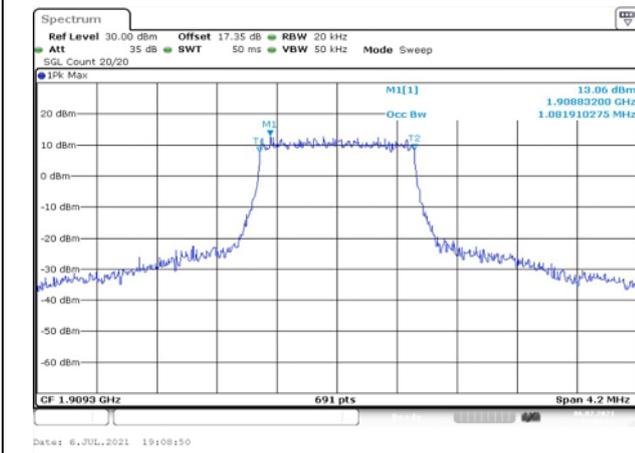


Fig.9

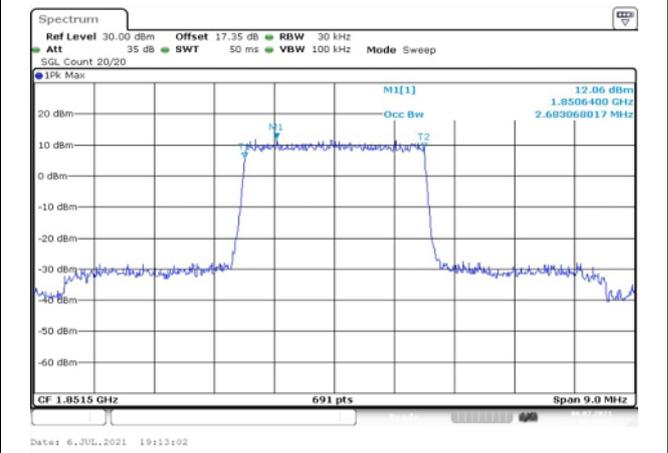


Fig.10

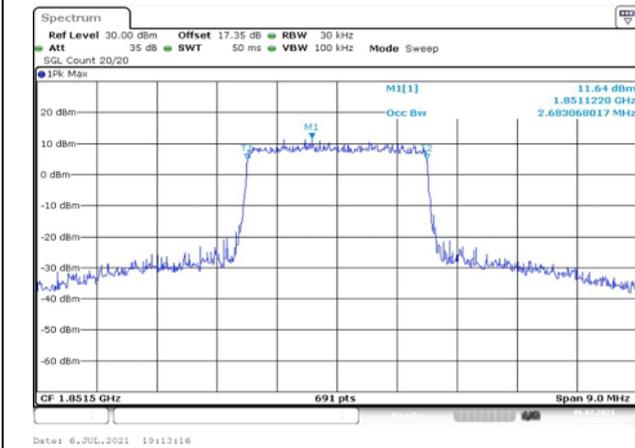


Fig.11

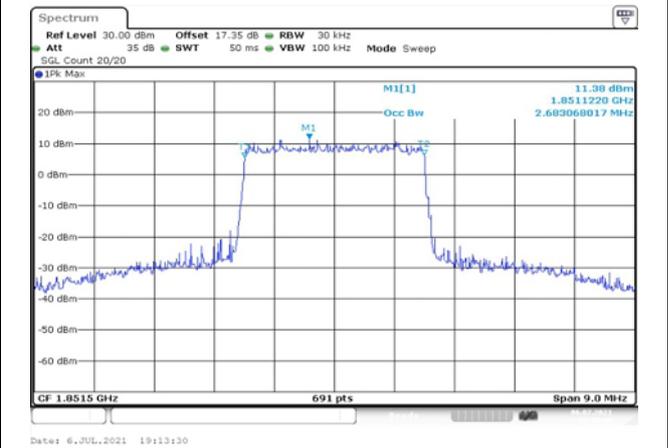


Fig.12

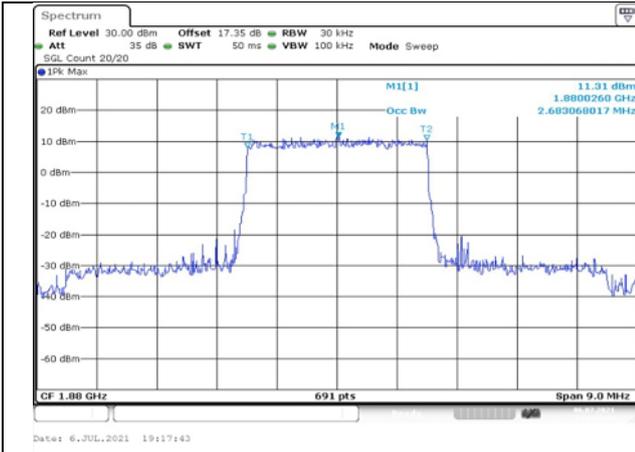


Fig.13

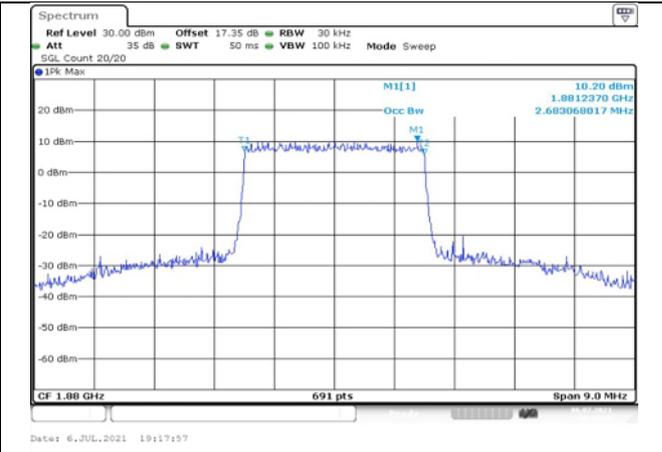


Fig.14

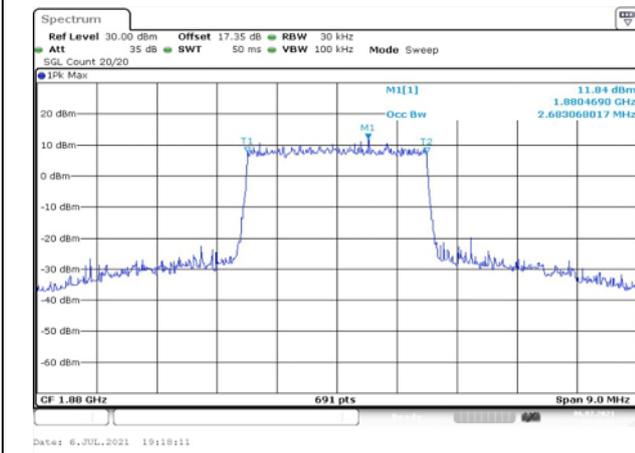


Fig.15

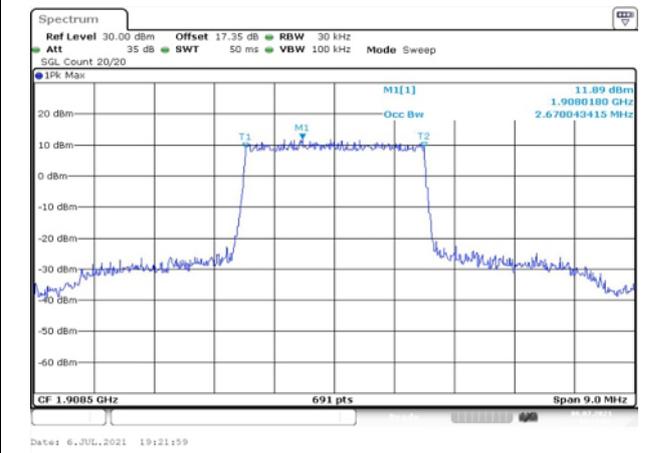


Fig.16

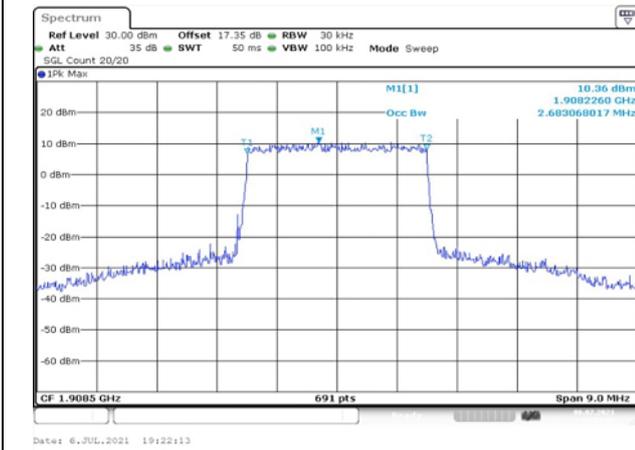


Fig.17

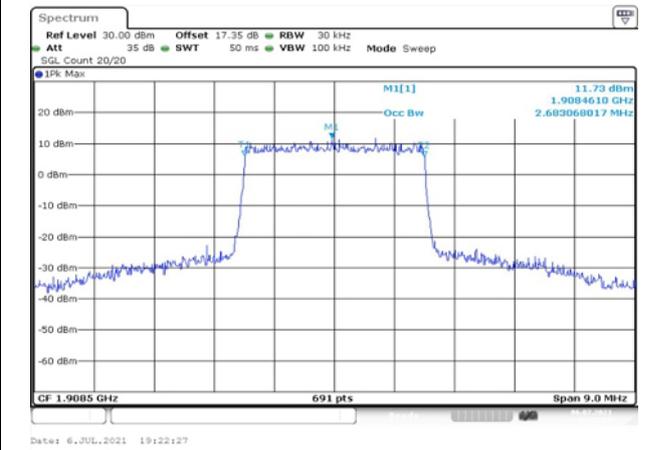


Fig.18

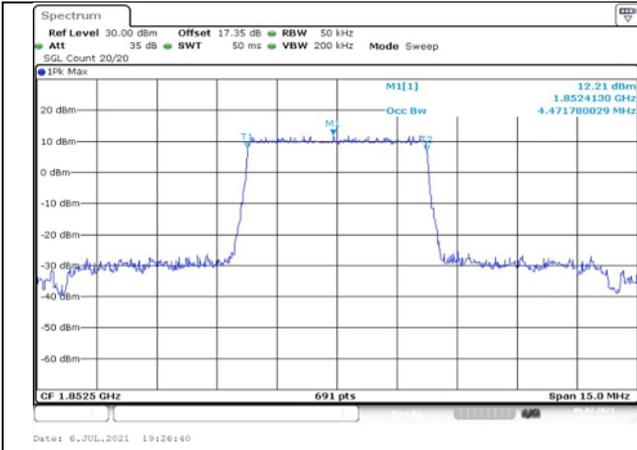


Fig.19

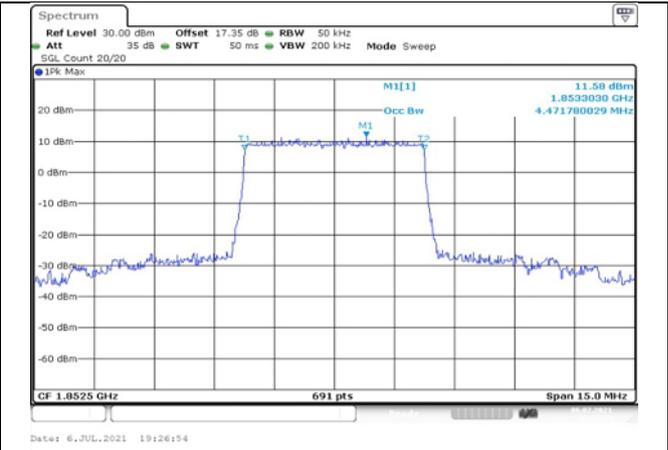


Fig.20

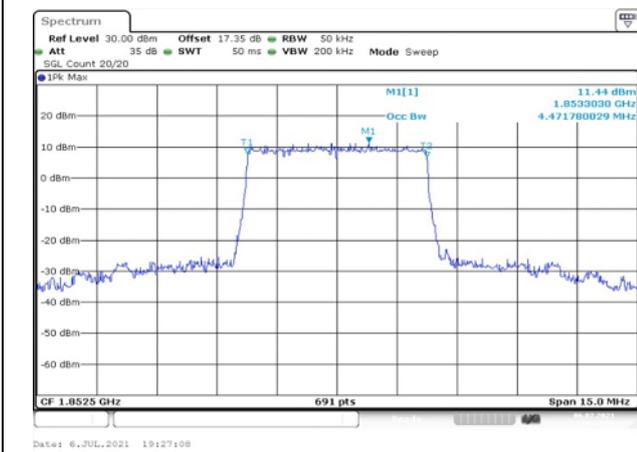


Fig.21

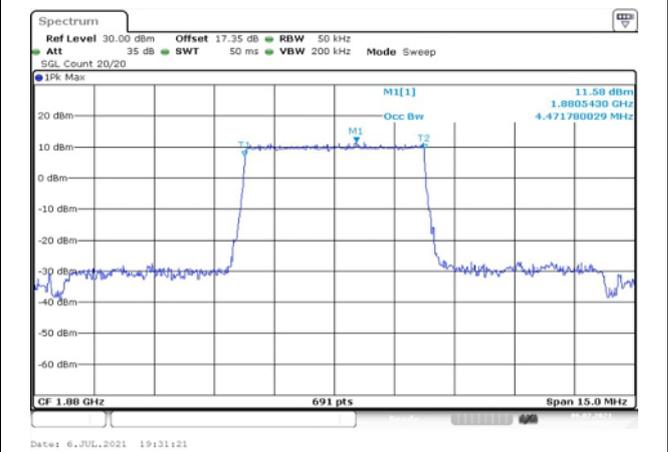


Fig.22

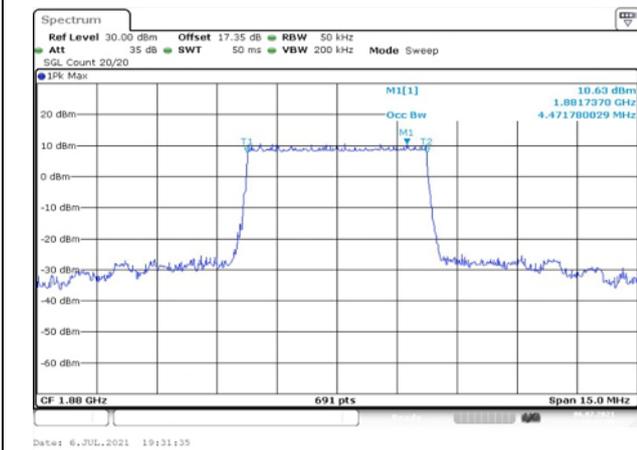


Fig.23

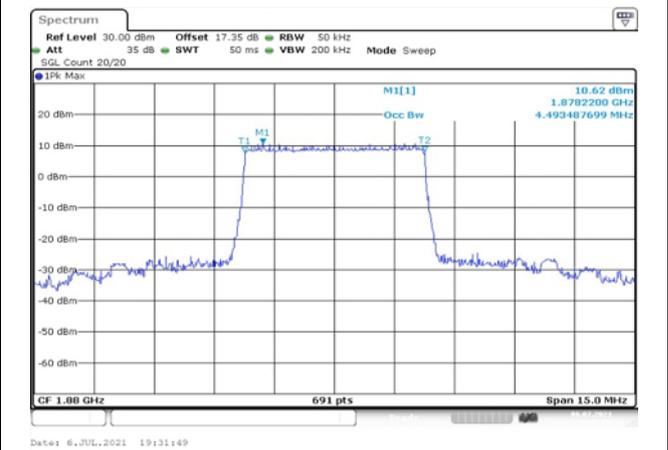


Fig.24

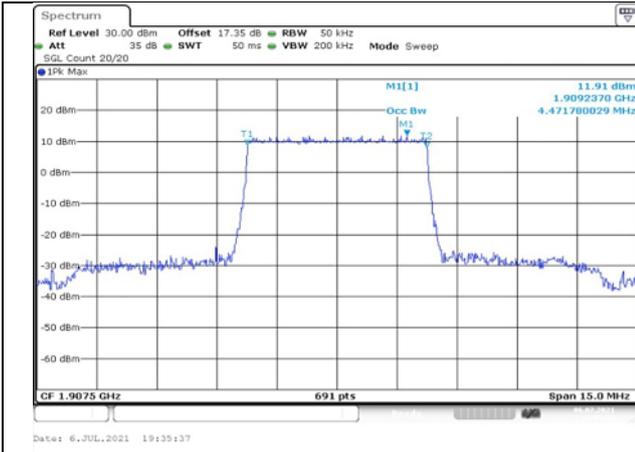


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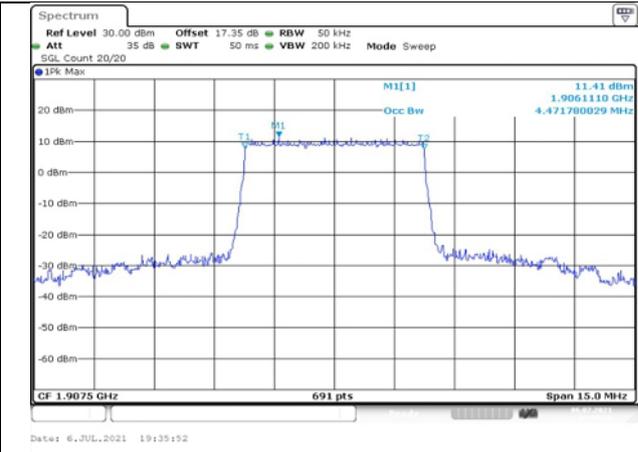


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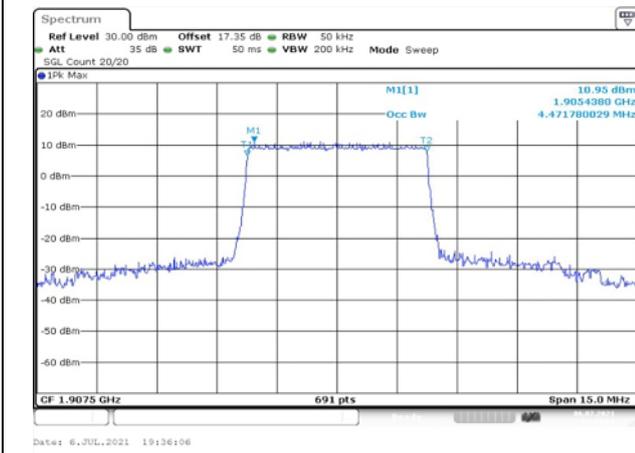


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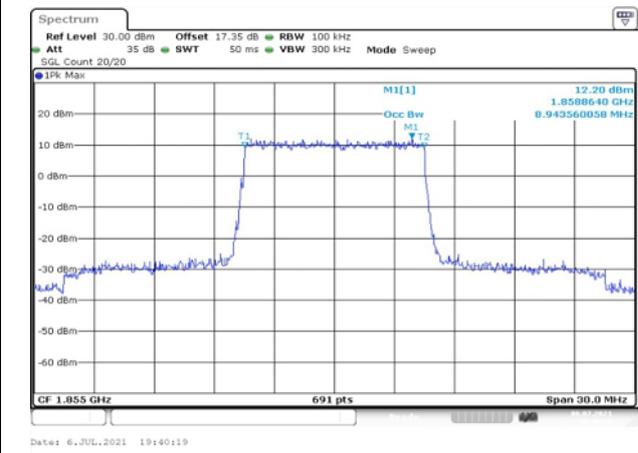


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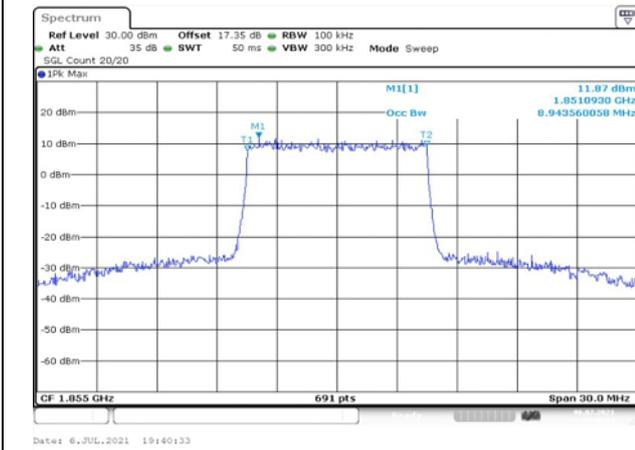


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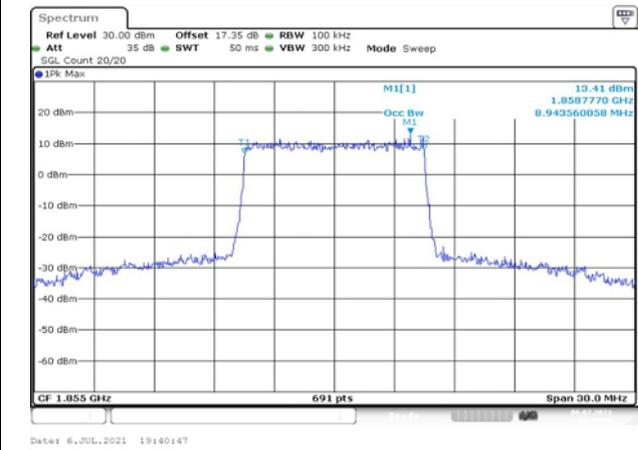


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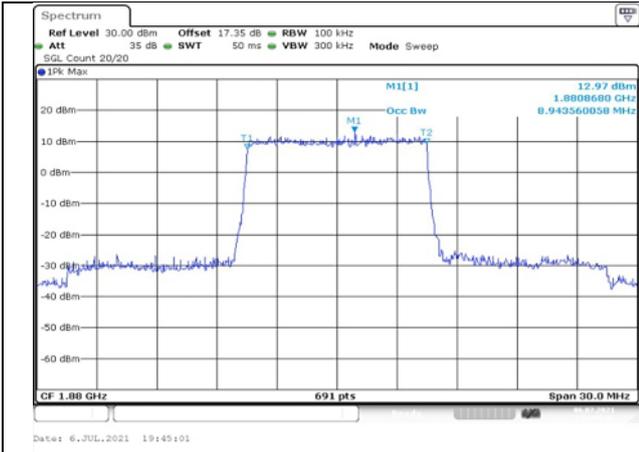


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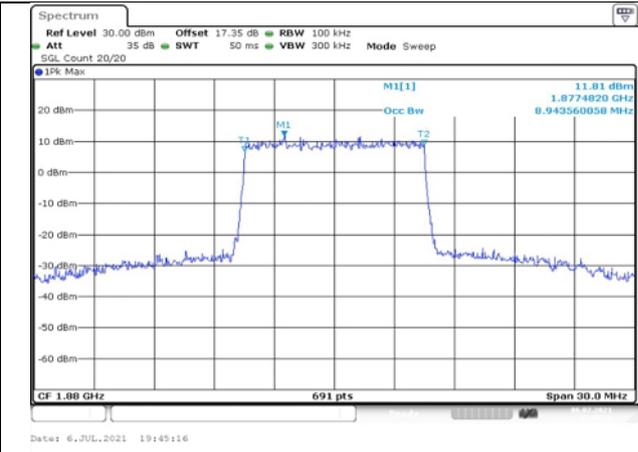


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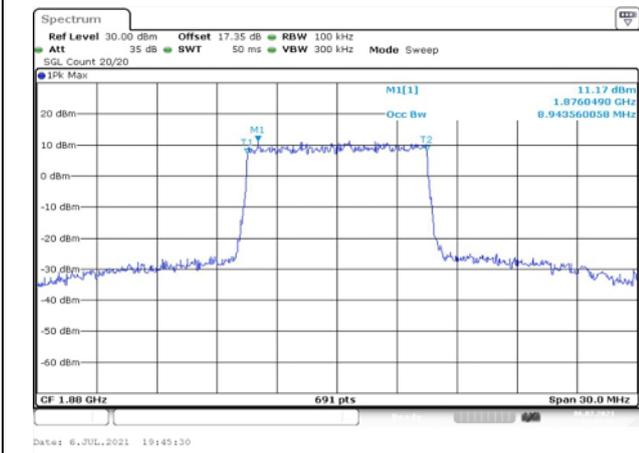


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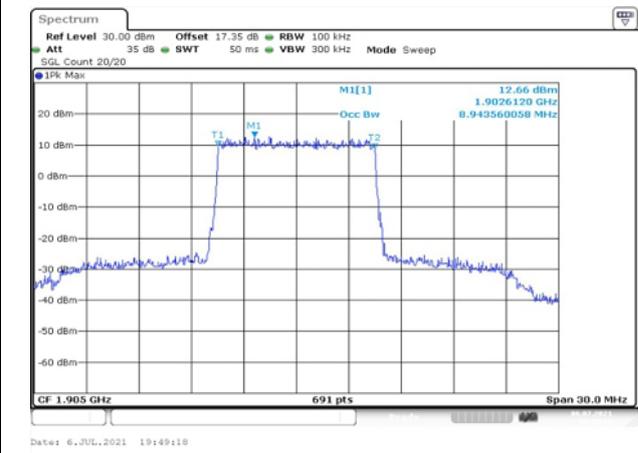


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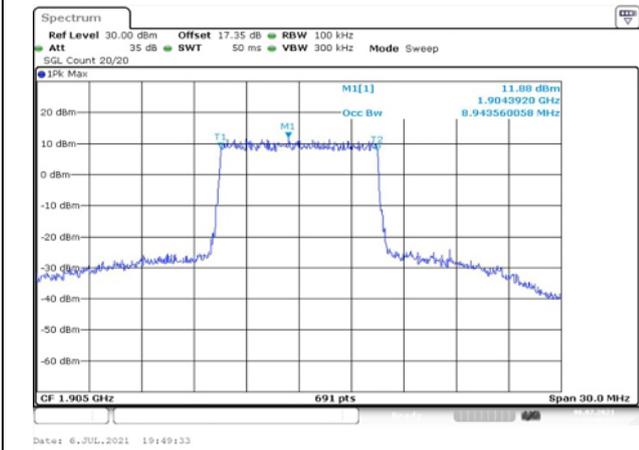


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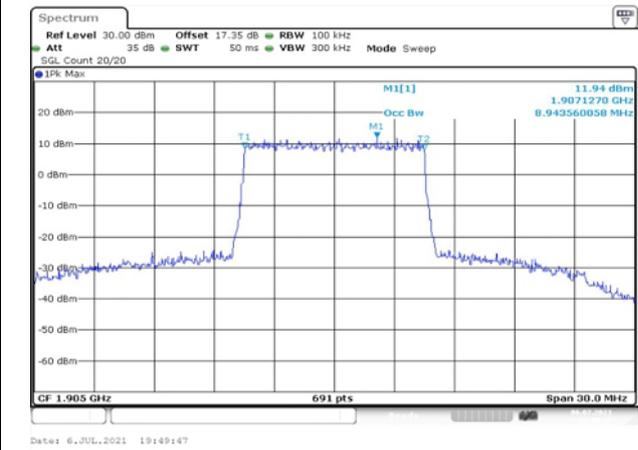


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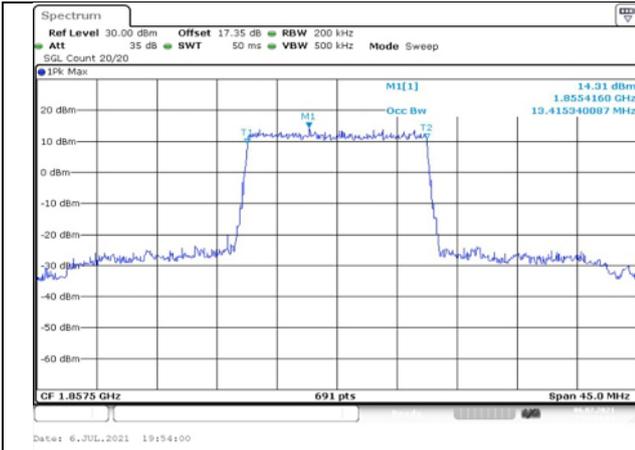


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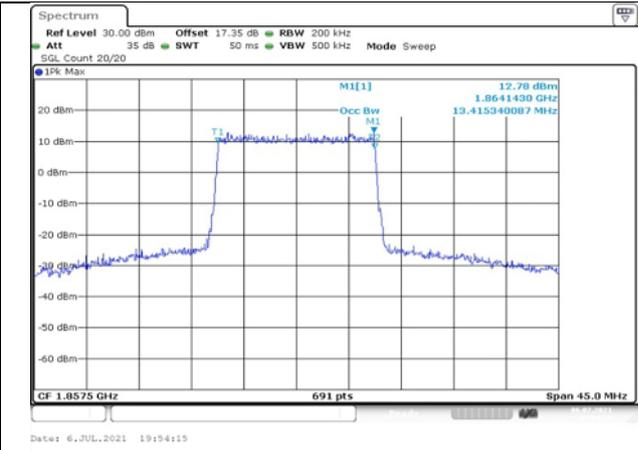


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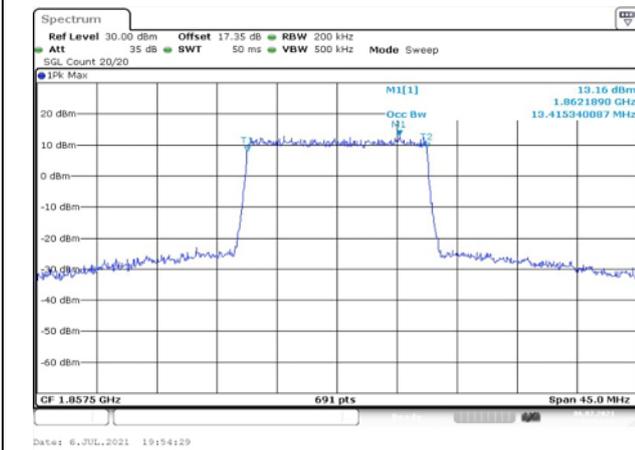


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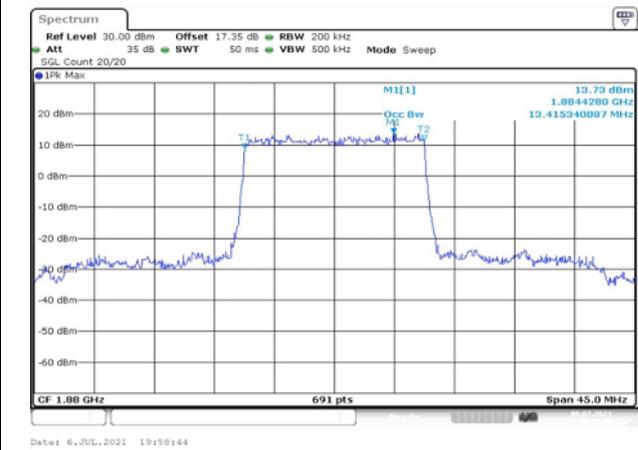


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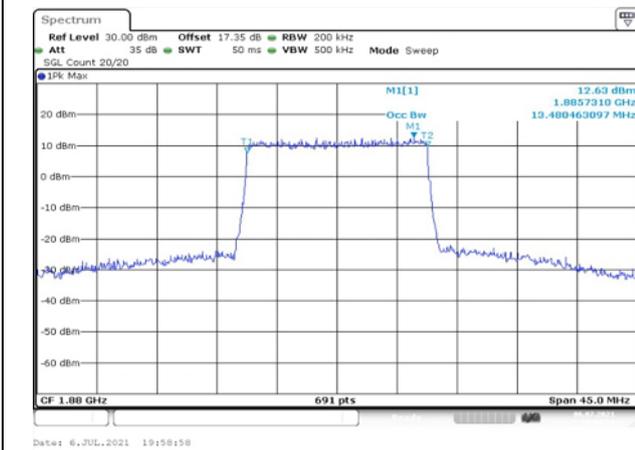


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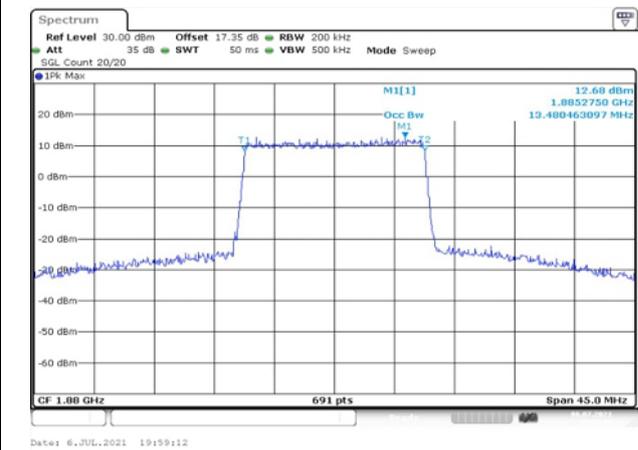


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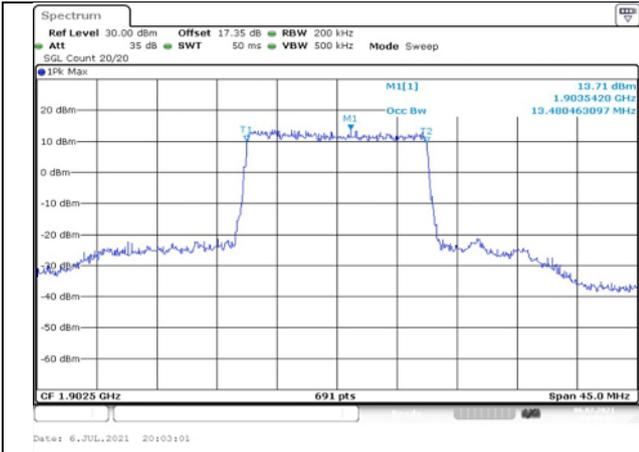


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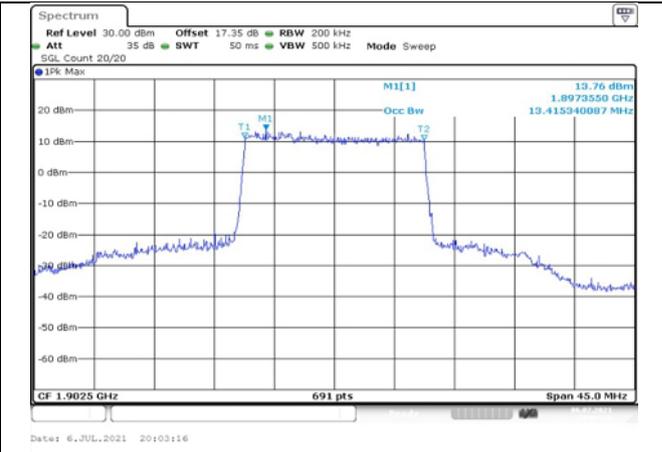


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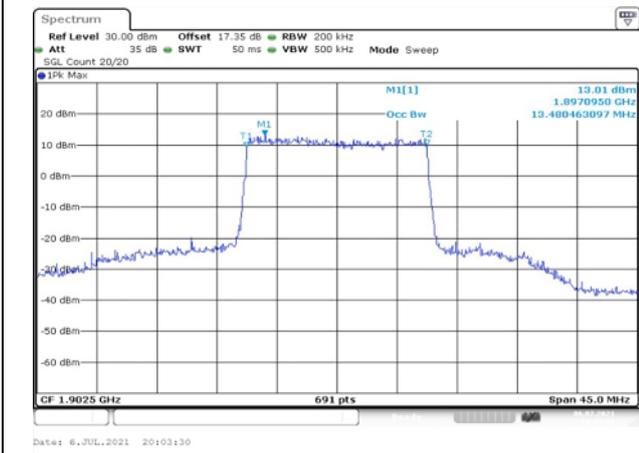


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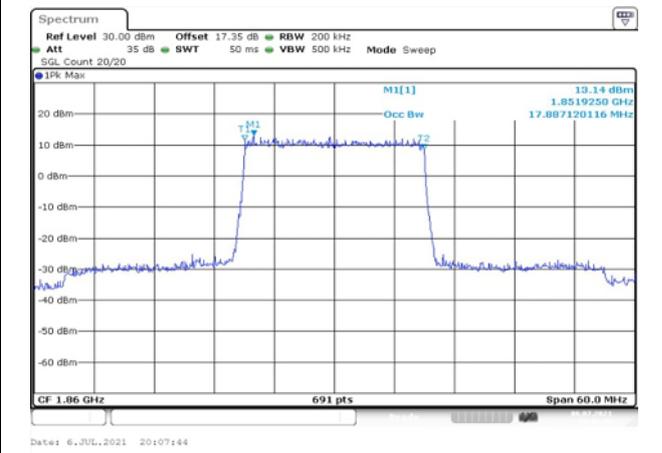


Fig.46



Fig.47

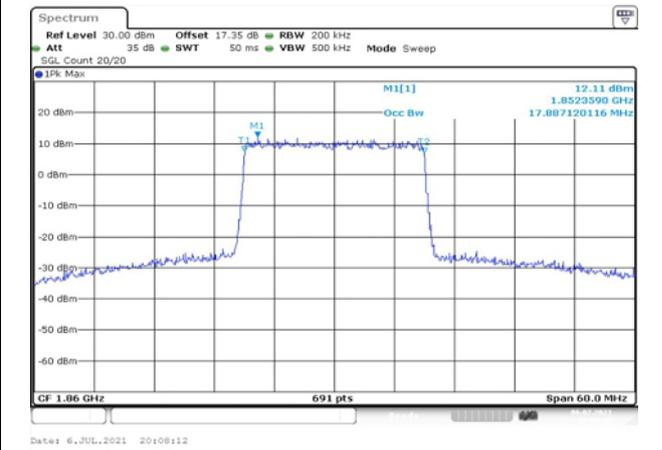
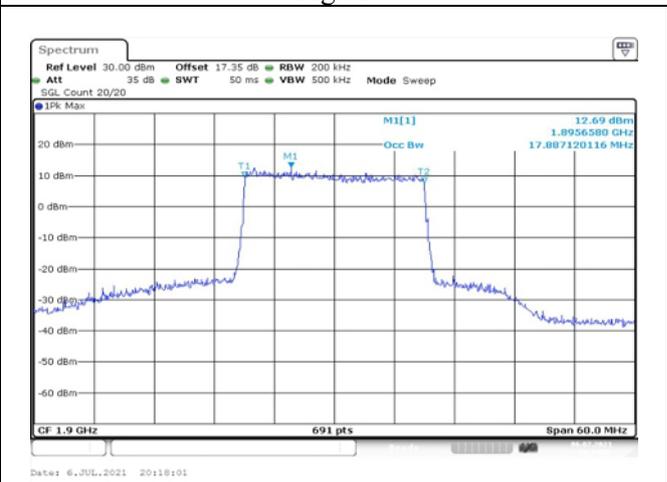
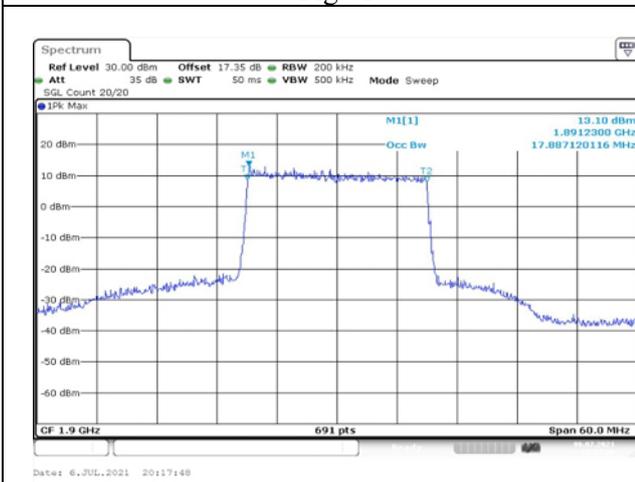
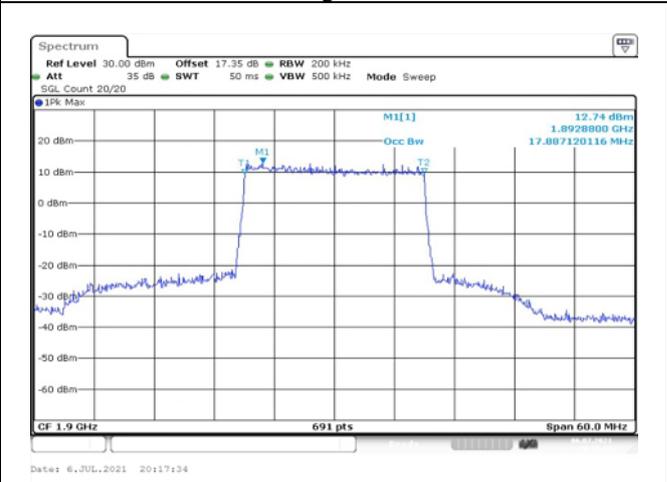
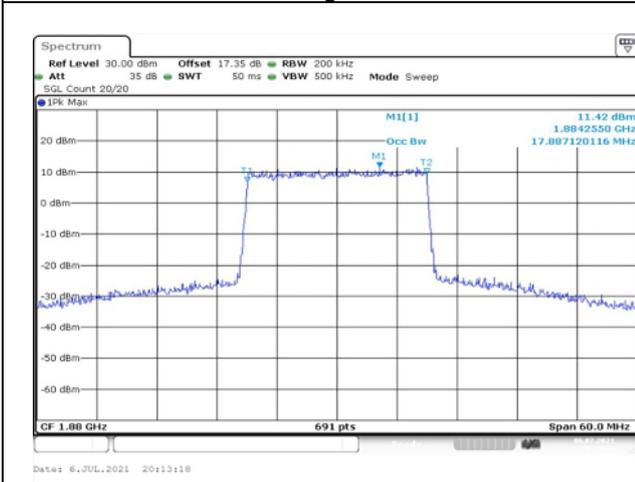
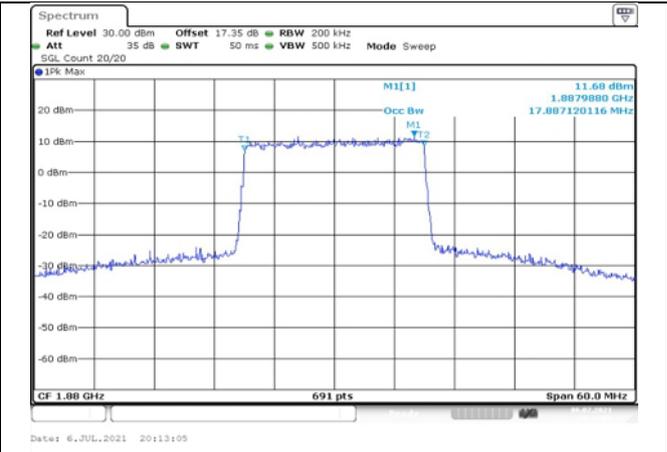
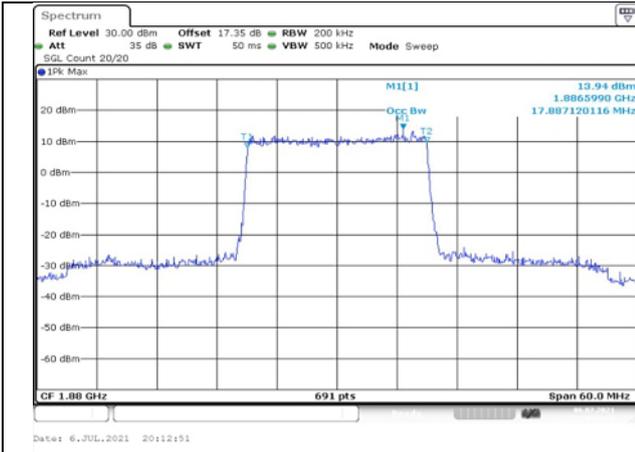


Fig.48



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	1.246	Fig.1	1.252	Fig.2	1.252	Fig.3
	1880	18900		6	0	1.246	Fig.4	1.252	Fig.5	1.240	Fig.6
	1909.3	19193		6	0	1.252	Fig.7	1.246	Fig.8	1.246	Fig.9
	1851.5	18615	3	15	0	2.839	Fig.10	2.839	Fig.11	2.852	Fig.12
	1880	18900		15	0	2.852	Fig.13	2.852	Fig.14	2.839	Fig.15
	1908.5	19185		15	0	2.865	Fig.16	2.852	Fig.17	2.852	Fig.18
	1852.5	18625	5	25	0	4.776	Fig.19	4.841	Fig.20	4.797	Fig.21
	1880	18900		25	0	4.819	Fig.22	4.841	Fig.23	4.819	Fig.24
	1907.5	19175		25	0	4.819	Fig.25	4.819	Fig.26	4.841	Fig.27
	1855	18650	10	50	0	9.508	Fig.28	9.551	Fig.29	9.465	Fig.30
	1880	18900		50	0	9.508	Fig.31	9.508	Fig.32	9.595	Fig.33
	1905	19150		50	0	9.595	Fig.34	9.638	Fig.35	9.465	Fig.36
	1857.5	18675	15	75	0	14.522	Fig.37	14.457	Fig.38	14.522	Fig.39
	1880	18900		75	0	14.392	Fig.40	14.392	Fig.41	14.392	Fig.42
	1902.5	19125		75	0	14.392	Fig.43	14.392	Fig.44	14.457	Fig.45
	1860	18700	20	100	0	18.929	Fig.46	18.929	Fig.47	18.929	Fig.48
	1880	18900		100	0	18.842	Fig.49	18.929	Fig.50	18.929	Fig.51
	1900	19100		100	0	19.016	Fig.52	19.016	Fig.53	18.929	Fig.54

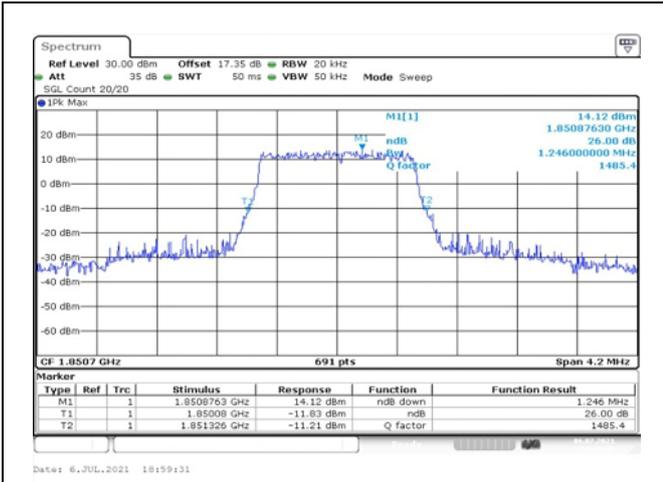


Fig.1

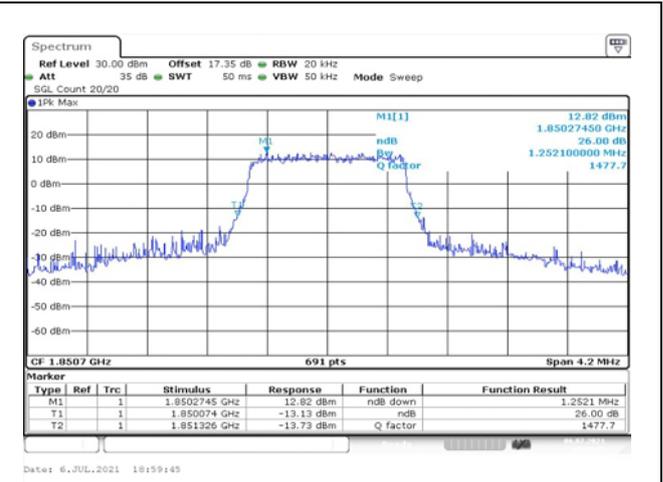


Fig.2

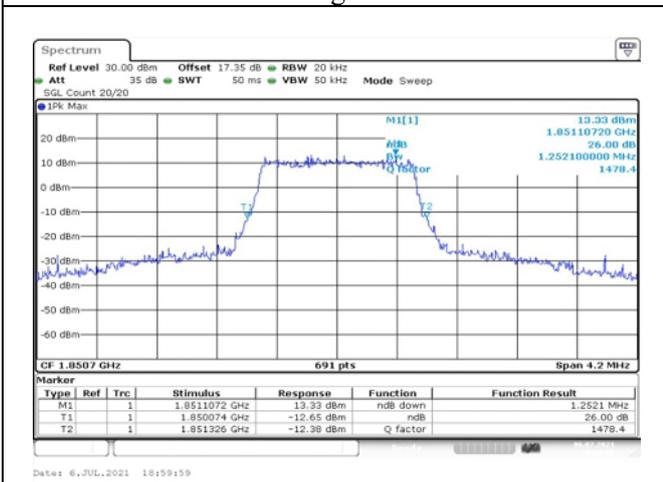


Fig.3

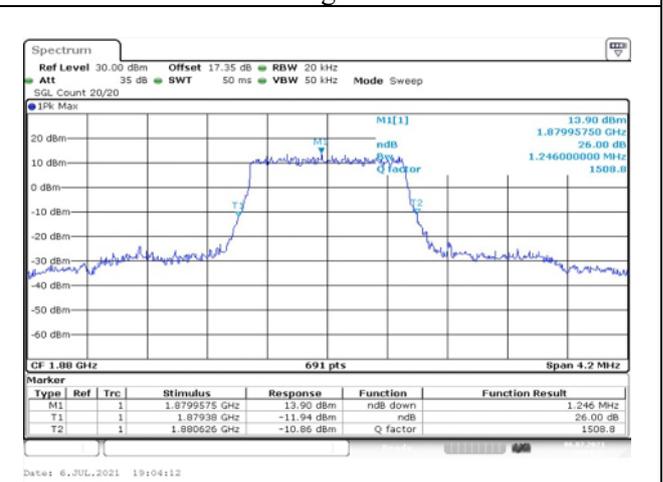


Fig.4



Fig.5

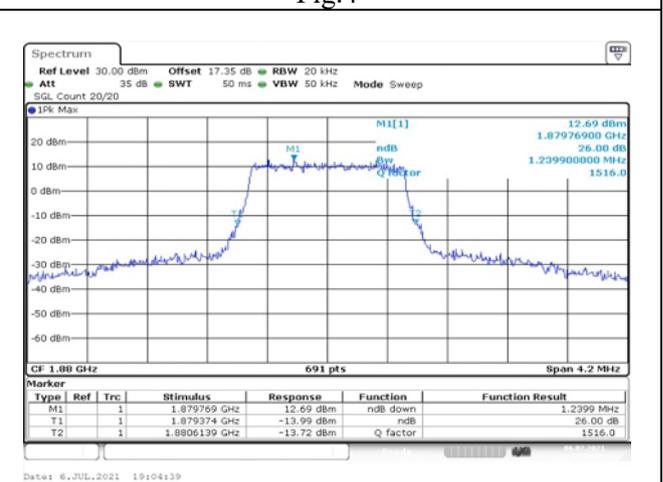


Fig.6

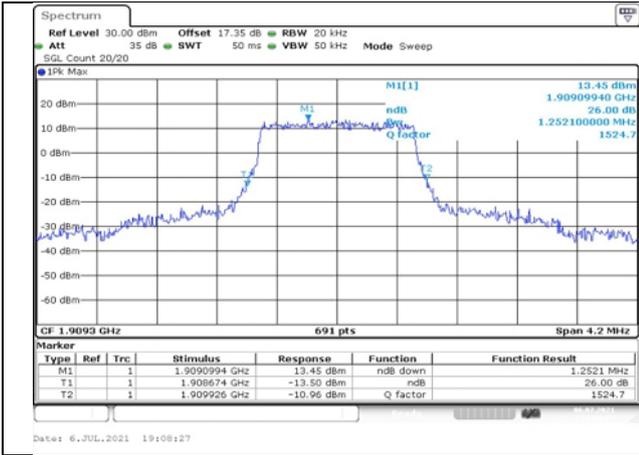


Fig.7

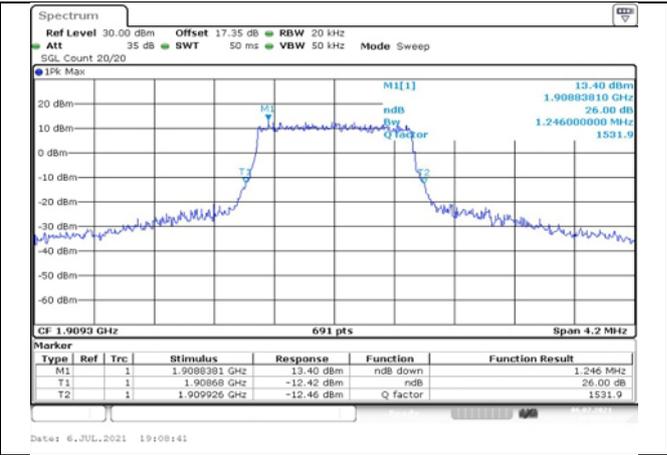


Fig.8

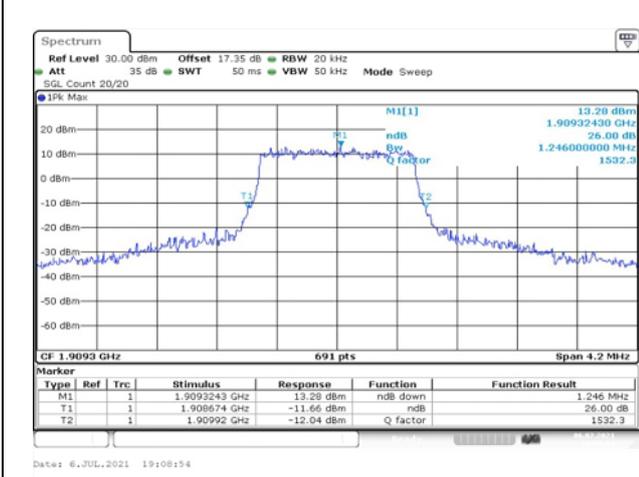


Fig.9

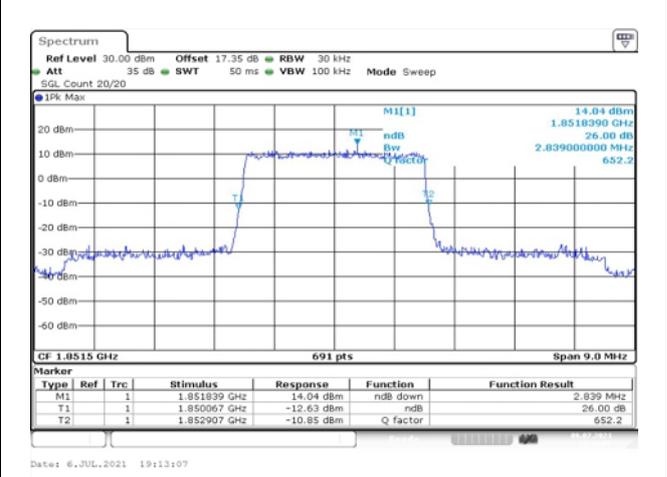


Fig.10

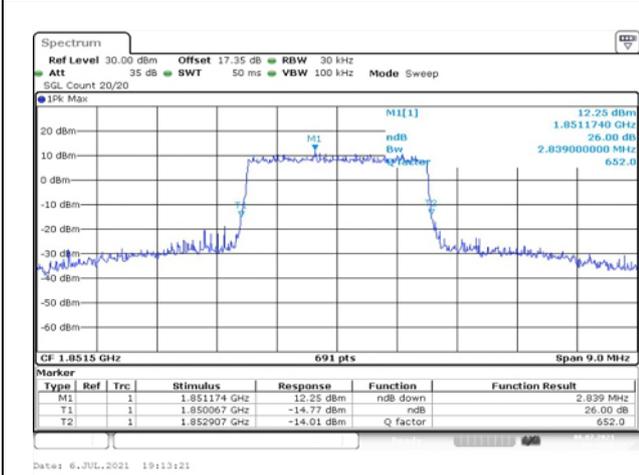


Fig.11

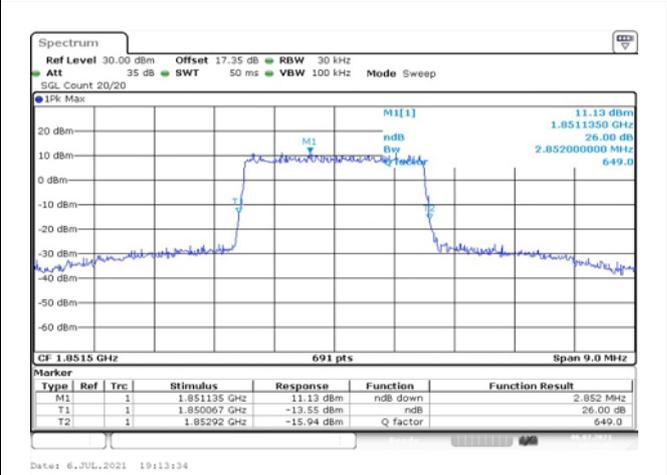


Fig.12

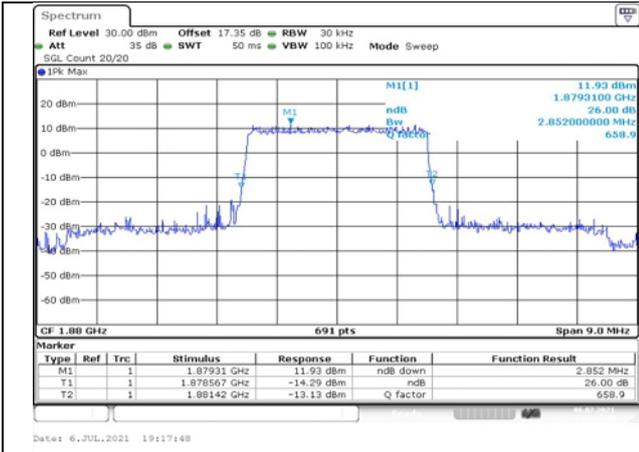


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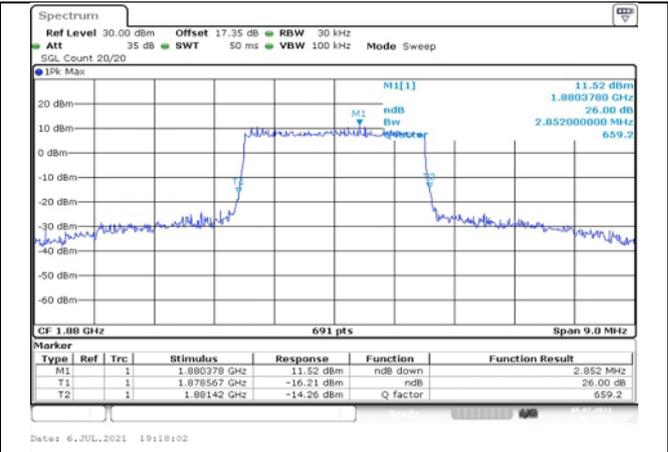


Fig.14

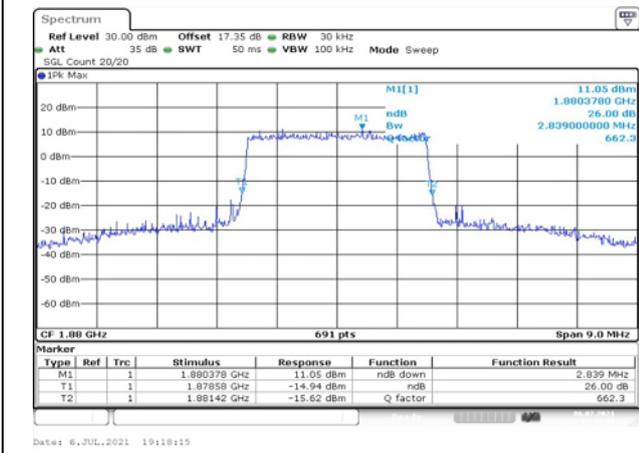


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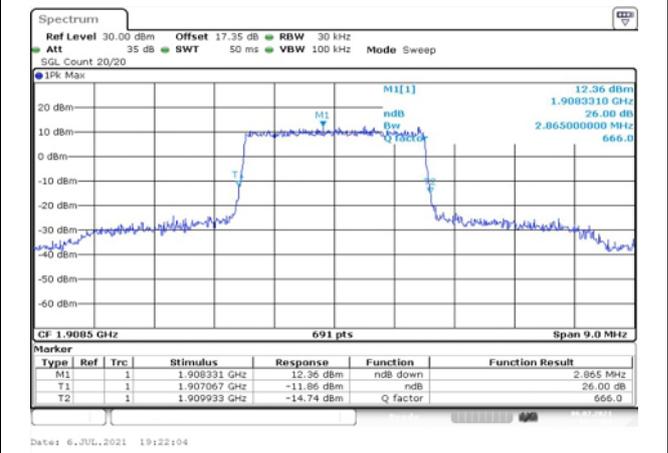


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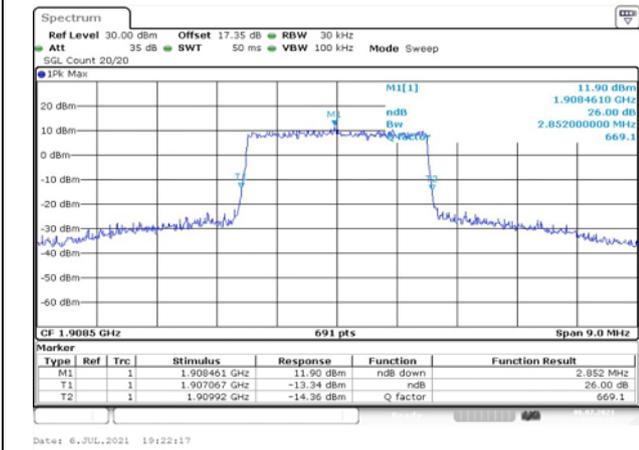


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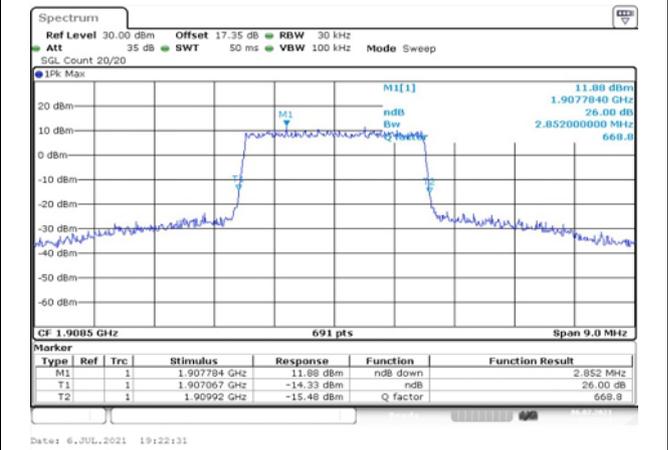


Fig.18

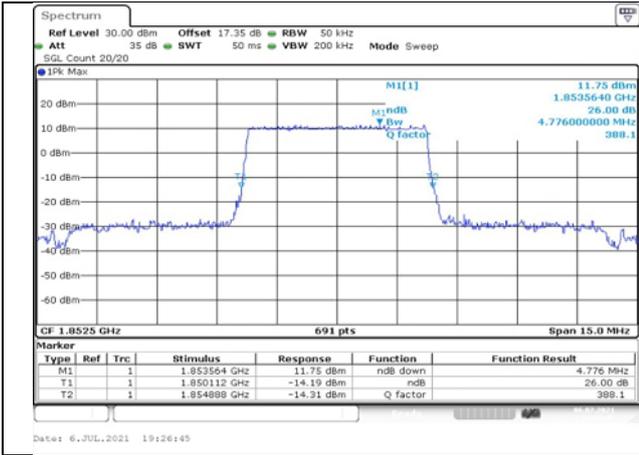


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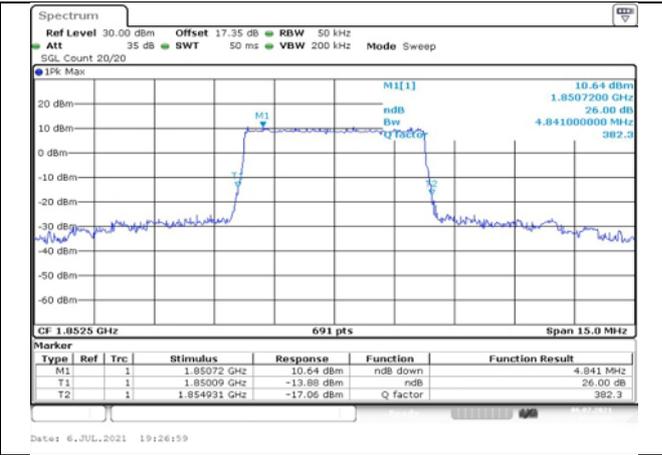


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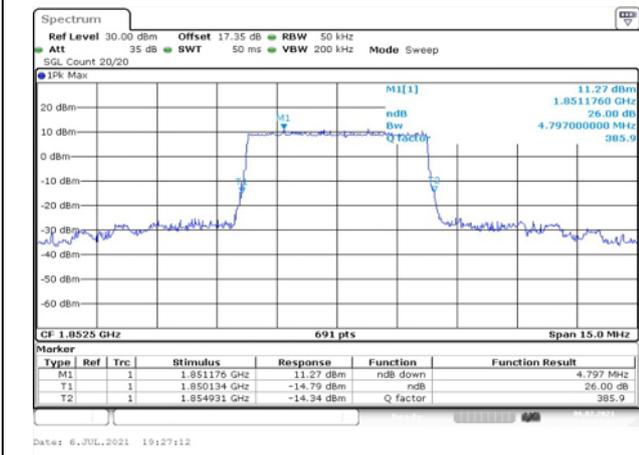


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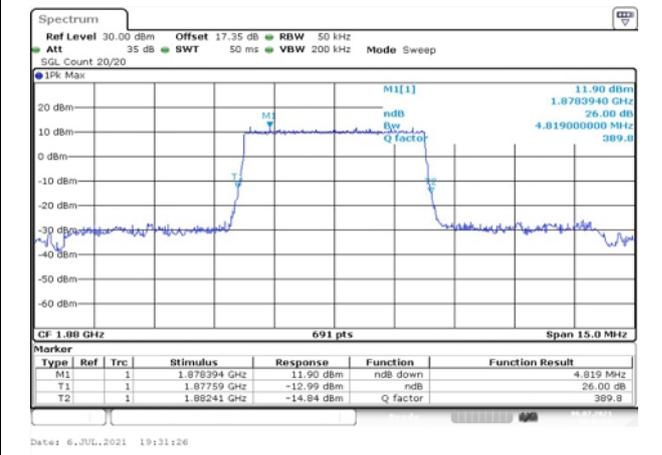


Fig.22

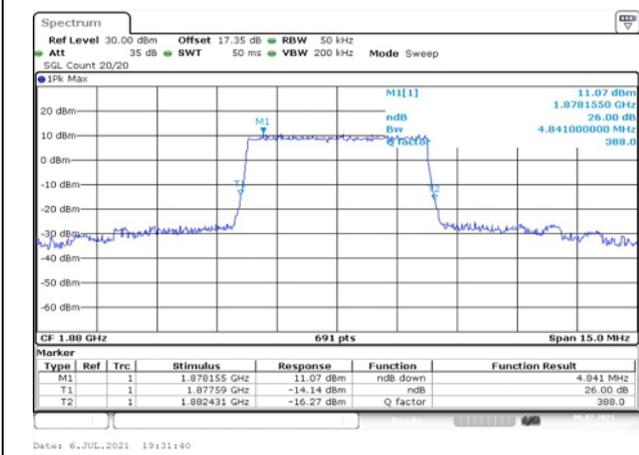


Fig.23

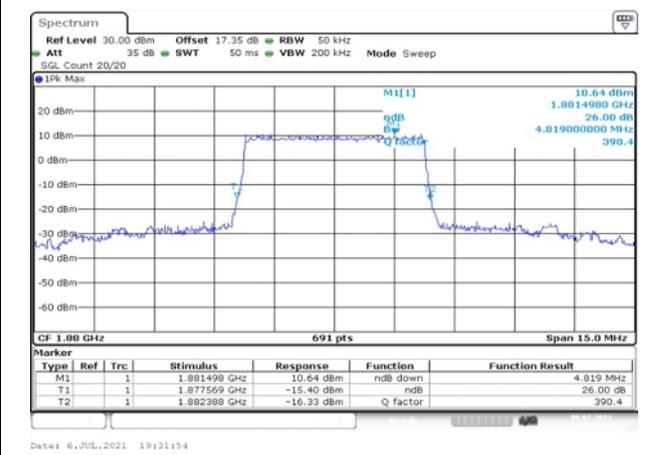


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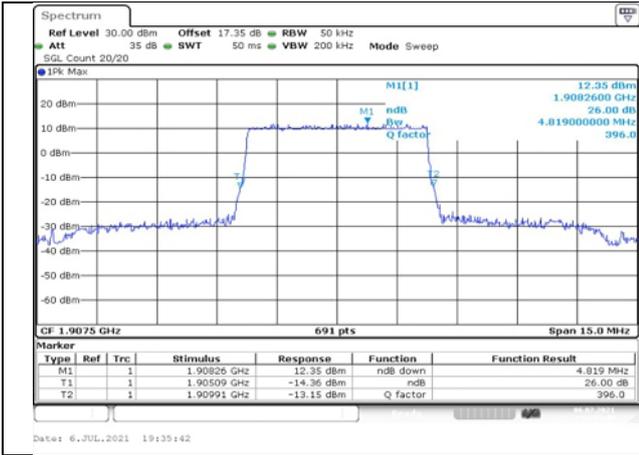


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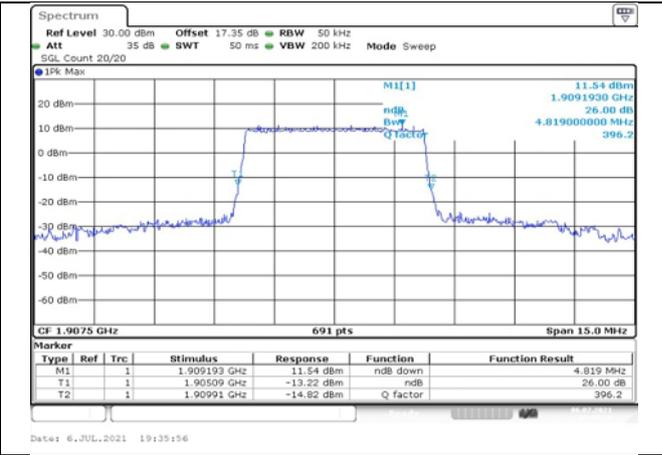


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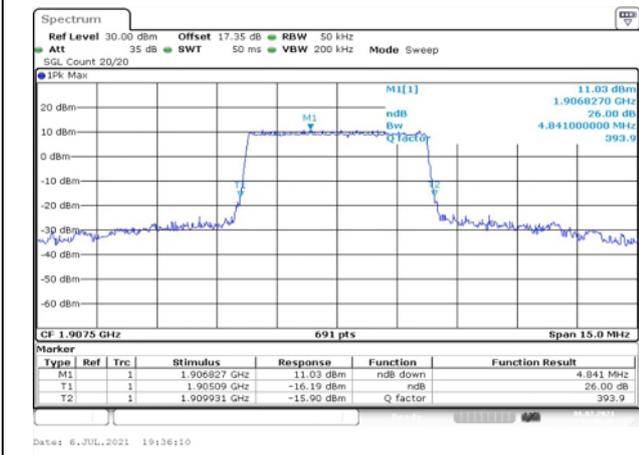


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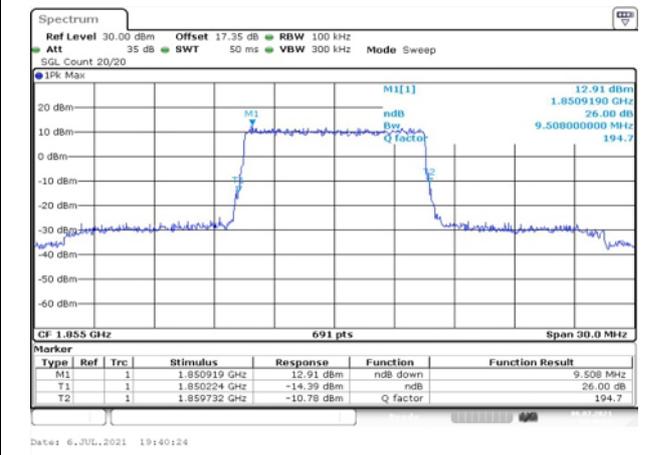


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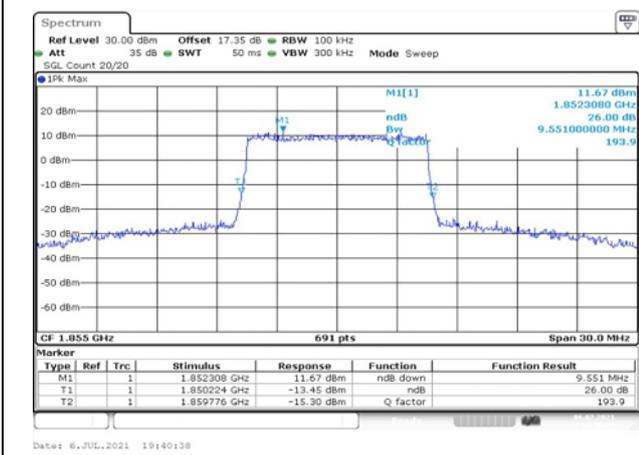


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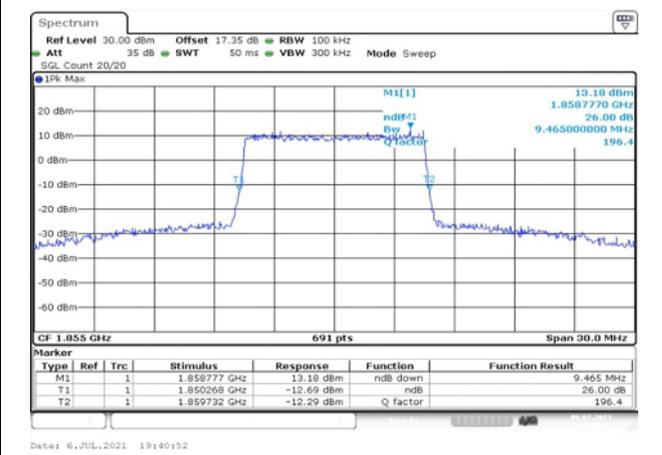


Fig.30