

**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	24.14
				1	3	24.13
				1	5	24.17
				3	0	24.27
				3	1	24.25
				3	3	24.33
	1880	18900		6	0	23.17
				1	0	23.73
				1	3	23.72
				1	5	23.76
				3	0	23.81
				3	1	23.90
	1909.3	19193		3	3	23.78
				6	0	22.83
				1	0	24.08
				1	3	24.03
				1	5	24.08
				3	0	24.14
16QAM	1850.7	18607	3	1	24.13	
			3	3	24.19	
			6	0	23.12	
			1	0	23.34	
			1	3	23.30	
			1	5	23.26	
	1880	18900	3	0	23.41	
			3	1	23.23	
			3	3	23.26	
			6	0	22.26	
			1	0	22.83	
			1	3	22.88	
	1909.3	19193	1	5	22.86	
			3	0	23.07	
			3	1	23.10	
			3	3	23.13	
			6	0	21.87	
			1	0	23.21	
			1	3	23.17	
			1	5	23.22	
			3	0	23.03	
			3	1	23.14	
			3	3	23.10	
			6	0	22.19	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1850.7	18607	1.4	1	0	22.21
				1	3	22.18
				1	5	22.13
				3	0	22.09
				3	1	22.19
				3	3	22.13
	1880	18900		6	0	22.13
				1	0	21.82
				1	3	21.80
				1	5	21.85
				3	0	21.89
				3	1	21.86
	1909.3	19193		3	3	21.94
				6	0	21.83
				1	0	22.16
				1	3	22.12
				1	5	22.13
				3	0	22.23
				3	1	22.18
				3	3	22.11
				6	0	22.20

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	18615	3	1	0	23.96
				1	8	23.88
				1	14	23.89
				8	0	22.99
				8	4	22.99
				8	7	23.04
	15	0		23.04		
	1880	18900		1	0	23.69
				1	8	23.71
				1	14	23.68
				8	0	22.74
				8	4	22.66
				8	7	22.71
	1908.5	19185		15	0	22.64
				1	0	23.94
1			8	24.00		
1			14	23.92		
8			0	23.03		
8			4	22.95		
16QAM	1851.5	18615	8	7	23.03	
			15	0	23.04	
			1	0	23.57	
			1	8	23.53	
			1	14	23.45	
			8	0	22.15	
	1880	18900	8	4	22.20	
			8	7	22.21	
			15	0	22.08	
			1	0	22.81	
			1	8	22.84	
			1	14	22.91	
	1908.5	19185	8	0	21.65	
			8	4	21.69	
			8	7	21.72	
15			0	21.61		
1			0	23.06		
1			8	23.08		
			1	14	23.09	
			8	0	22.01	
			8	4	21.95	
			8	7	22.00	
			15	0	22.04	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1851.5	18615	3	1	0	22.06
				1	8	22.09
				1	14	22.08
				8	0	22.06
				8	4	22.04
				8	7	22.07
				15	0	22.08
	1880	18900		1	0	21.64
				1	8	21.56
				1	14	21.57
				8	0	21.66
				8	4	21.71
				8	7	21.66
				15	0	21.63
	1908.5	19185		1	0	22.10
				1	8	22.10
				1	14	22.05
				8	0	22.09
				8	4	22.07
				8	7	22.04
				15	0	22.07

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	18625	5	1	0	23.83
				1	12	23.67
				1	24	23.76
				12	0	22.88
				12	7	22.91
				12	13	22.93
	25	0		22.94		
	1880	18900		1	0	23.51
				1	12	23.49
				1	24	23.54
				12	0	22.68
				12	7	22.65
				12	13	22.68
	25	0		22.69		
	1907.5	19175		1	0	23.82
1			12	23.80		
1			24	23.87		
12			0	23.00		
12			7	22.97		
12			13	23.01		
25	0	22.99				
16QAM	1852.5	18625	1	0	22.82	
			1	12	22.71	
			1	24	22.71	
			12	0	21.96	
			12	7	21.91	
			12	13	21.85	
	25	0	22.05			
	1880	18900	1	0	22.83	
			1	12	22.82	
			1	24	22.89	
			12	0	21.70	
			12	7	21.76	
			12	13	21.74	
	25	0	21.72			
	1907.5	19175	1	0	22.86	
1			12	22.90		
1			24	22.96		
12			0	21.92		
12			7	21.95		
12			13	21.97		
25	0	21.99				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1852.5	18625	5	1	0	22.05
				1	12	21.99
				1	24	22.05
				12	0	21.97
				12	7	21.99
				12	13	22.01
				25	0	22.04
	1880	18900		1	0	21.70
				1	12	21.72
				1	24	21.72
				12	0	21.71
				12	7	21.73
				12	13	21.68
				25	0	21.72
	1907.5	19175		1	0	21.99
				1	12	22.04
				1	24	22.01
				12	0	21.98
				12	7	22.00
				12	13	22.00
				25	0	21.96

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	18650	10	1	0	23.92
				1	25	23.68
				1	49	23.69
				25	0	22.92
				25	12	22.92
				25	25	22.96
	1880	18900		50	0	22.91
				1	0	23.68
				1	25	23.63
				1	49	23.69
				25	0	22.77
				25	12	22.74
	1905	19150		25	25	22.74
				50	0	22.71
				1	0	23.82
				1	25	23.90
				1	49	23.94
				25	0	23.04
16QAM	1855	18650	25	12	23.01	
			25	25	22.95	
			50	0	22.94	
			1	0	23.51	
			1	25	23.25	
			1	49	23.33	
	1880	18900	25	0	22.03	
			25	12	21.90	
			25	25	21.97	
			50	0	21.94	
			1	0	22.77	
			1	25	22.84	
	1905	19150	1	49	22.81	
			25	0	21.79	
			25	12	21.73	
			25	25	21.77	
			50	0	21.75	
			1	0	23.02	
			1	25	23.02	
			1	49	23.01	
			25	0	22.07	
			25	12	22.04	
			25	25	22.07	
			50	0	22.05	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1855	18650	10	1	0	21.95
				1	25	21.94
				1	49	21.93
				25	0	21.92
				25	12	21.86
				25	25	21.88
				50	0	21.88
	1880	18900		1	0	21.76
				1	25	21.77
				1	49	21.77
				25	0	21.78
				25	12	21.78
				25	25	21.79
				50	0	21.78
	1905	19150		1	0	22.00
				1	25	22.01
				1	49	21.97
				25	0	22.07
				25	12	22.02
				25	25	22.03
				50	0	21.96

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	18675	15	1	0	23.84
				1	37	23.59
				1	74	23.58
				36	0	22.98
				36	29	22.81
				36	30	22.83
	1880	18900		75	0	22.83
				1	0	23.63
				1	37	23.67
				1	74	23.65
				36	0	22.81
				36	29	22.75
	1902.5	19125		36	30	22.81
				75	0	22.77
				1	0	23.75
				1	37	23.83
				1	74	23.84
				36	0	22.99
16QAM	1857.5	18675	36	29	22.97	
			36	30	22.96	
			75	0	22.97	
			1	0	23.52	
			1	37	23.17	
			1	74	23.16	
	1880	18900	36	0	21.86	
			36	29	21.72	
			36	30	21.69	
			75	0	21.83	
			1	0	22.78	
			1	37	22.85	
	1902.5	19125	1	74	22.84	
			36	0	21.71	
			36	29	21.79	
			36	30	21.76	
			75	0	21.79	
			1	0	23.19	
			1	37	23.28	
			1	74	23.29	
			36	0	21.98	
			36	29	21.91	
			36	30	21.91	
			75	0	21.96	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1857.5	18675	15	1	0	21.80
				1	37	21.89
				1	74	21.80
				36	0	21.82
				36	29	21.81
				36	30	21.82
				75	0	21.83
	1880	18900		1	0	21.73
				1	37	21.73
				1	74	21.68
				36	0	21.72
				36	29	21.74
				36	30	21.68
				75	0	21.74
	1902.5	19125		1	0	21.95
				1	37	21.89
				1	74	21.99
				36	0	21.97
				36	29	22.01
				36	30	21.98
				75	0	21.96

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	18700	20	1	0	23.84
				1	49	23.46
				1	99	23.49
				50	0	22.86
				50	24	22.64
				50	50	22.64
	100	0		22.69		
	1	0		23.62		
	1	49		23.63		
	1	99		23.58		
	50	0		22.76		
	50	24		22.71		
	50	50		22.76		
	100	0		22.70		
	1	0		23.63		
	1	49		23.77		
	1	99		23.76		
	50	0		22.98		
50	24	22.87				
50	50	22.82				
100	0	22.92				
16QAM	1860	18700	20	1	0	23.14
				1	49	22.80
				1	99	22.78
				50	0	21.81
				50	24	21.56
				50	50	21.54
	100	0		21.75		
	1	0		22.80		
	1	49		22.80		
	1	99		22.79		
	50	0		21.74		
	50	24		21.74		
	50	50		21.73		
	100	0		21.73		
	1	0		23.22		
	1	49		23.27		
	1	99		23.25		
	50	0		21.95		
50	24	21.88				
50	50	21.84				
100	0	21.92				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1860	18700	20	1	0	21.81
				1	49	21.80
				1	99	21.76
				50	0	21.76
				50	24	21.79
				50	50	21.77
				100	0	21.80
	1880	18900		1	0	21.78
				1	49	21.70
				1	99	21.73
				50	0	21.72
				50	24	21.74
				50	50	21.72
				100	0	21.76
	1900	19100		1	0	21.89
				1	49	21.88
				1	99	21.87
				50	0	21.90
				50	24	21.93
				50	50	21.94
				100	0	21.87

## 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	1.082	Fig.1	1.082	Fig.2	1.082	Fig.3
	1880	18900		6	0	1.076	Fig.4	1.082	Fig.5	1.082	Fig.6
	1909.3	19193		6	0	1.076	Fig.7	1.082	Fig.8	1.082	Fig.9
	1851.5	18615	3	15	0	2.670	Fig.10	2.670	Fig.11	2.683	Fig.12
	1880	18900		15	0	2.683	Fig.13	2.683	Fig.14	2.670	Fig.15
	1908.5	19185		15	0	2.683	Fig.16	2.683	Fig.17	2.670	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	4.493	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	13.415	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	13.480	Fig.45
	1860	18700	20	100	0	17.887	Fig.46	17.887	Fig.47	17.800	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	

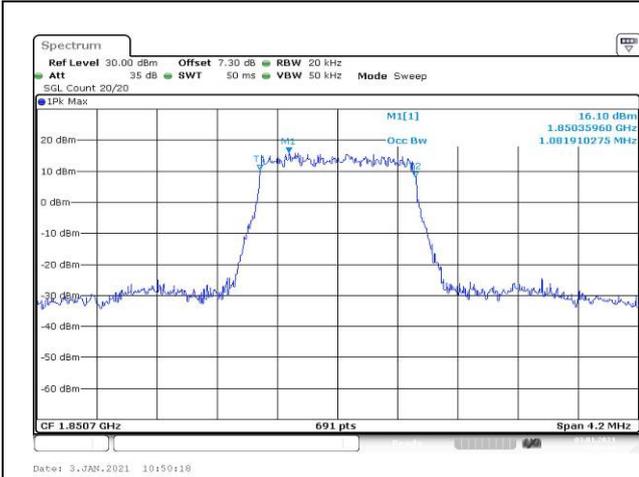


Fig.1

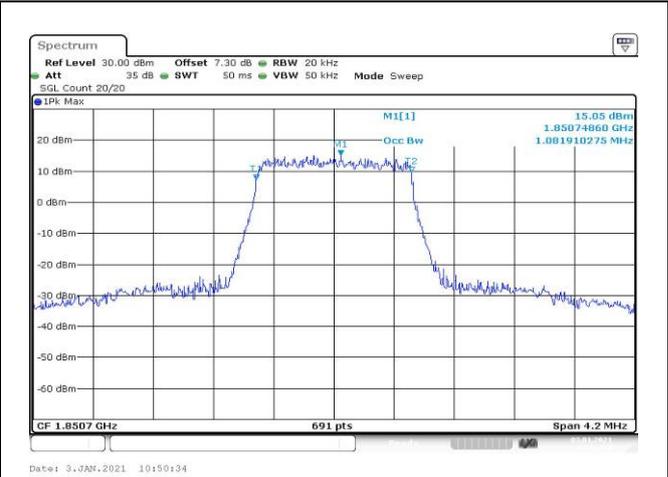


Fig.2

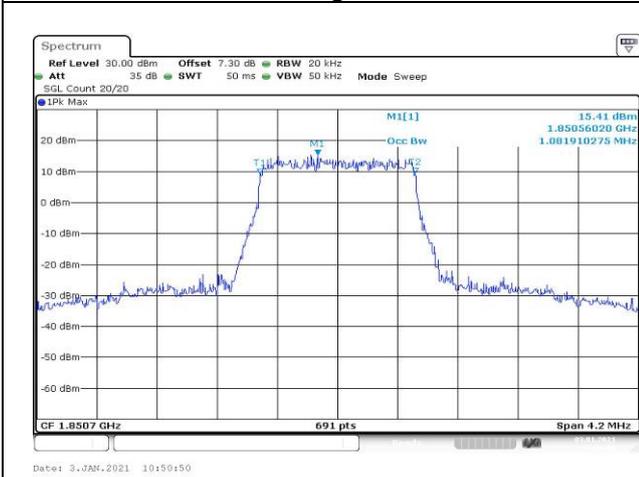


Fig.3

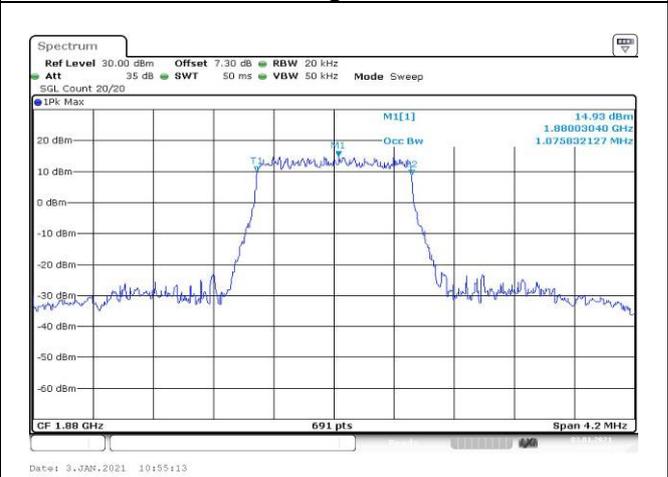


Fig.4

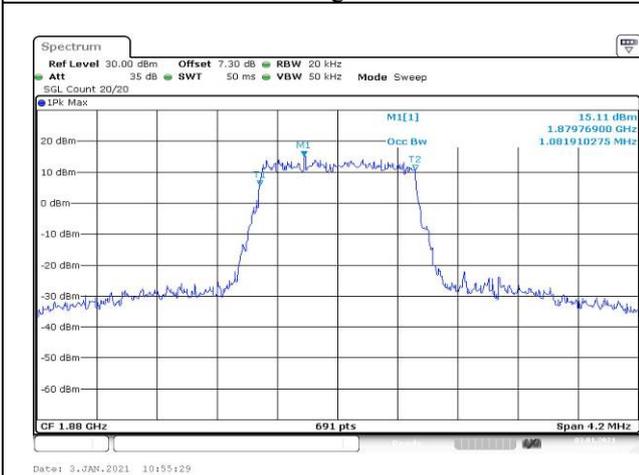


Fig.5

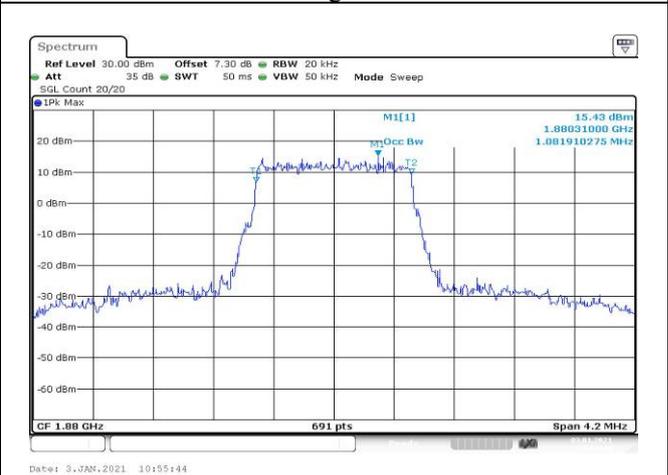


Fig.6

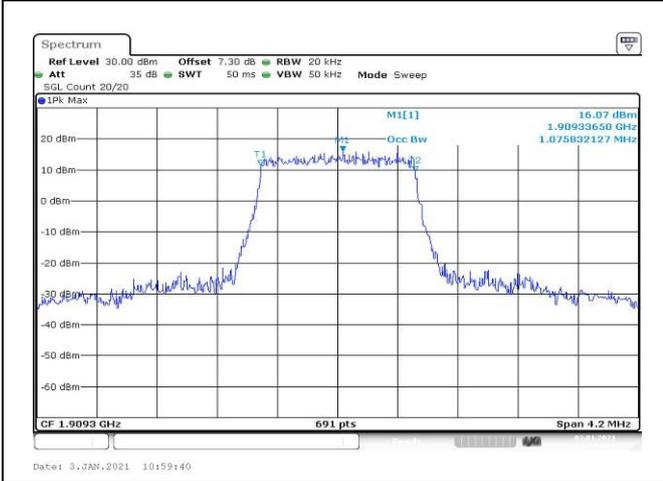


Fig.7

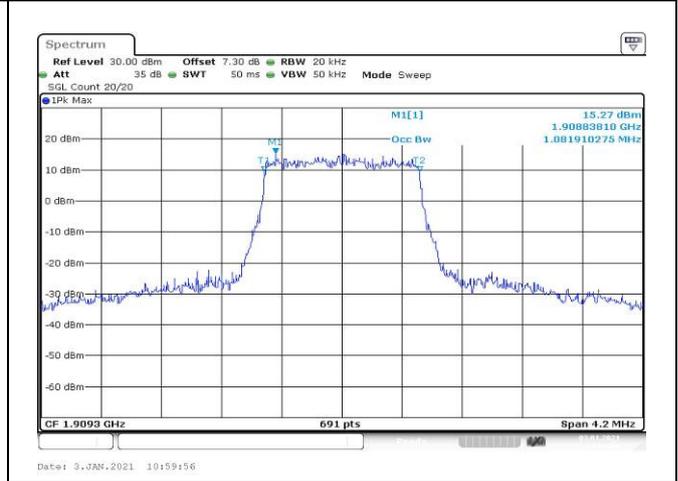


Fig.8

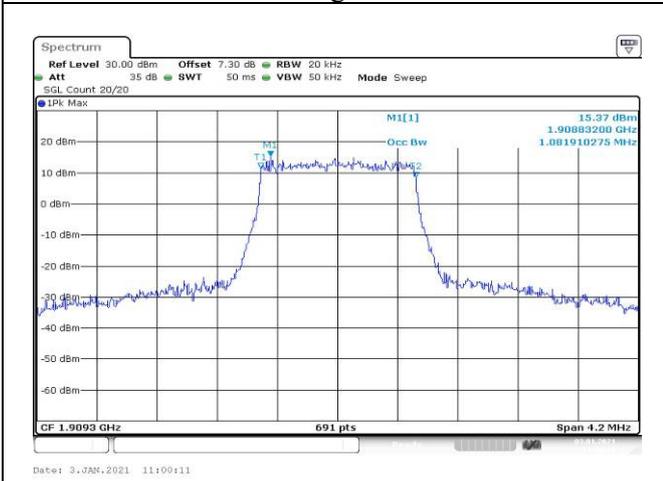


Fig.9

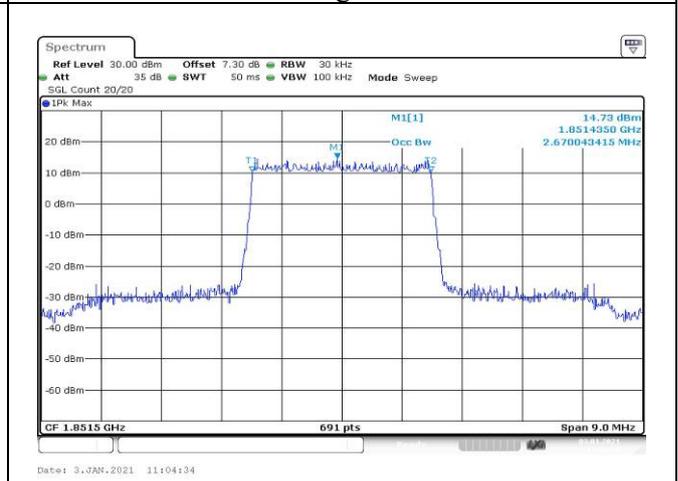


Fig.10

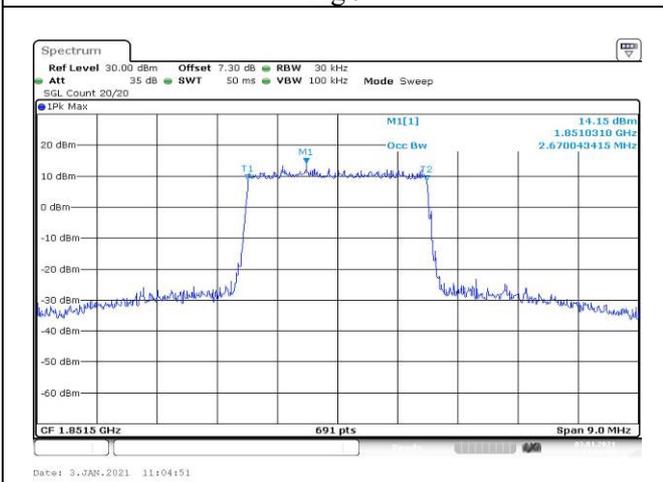


Fig.11

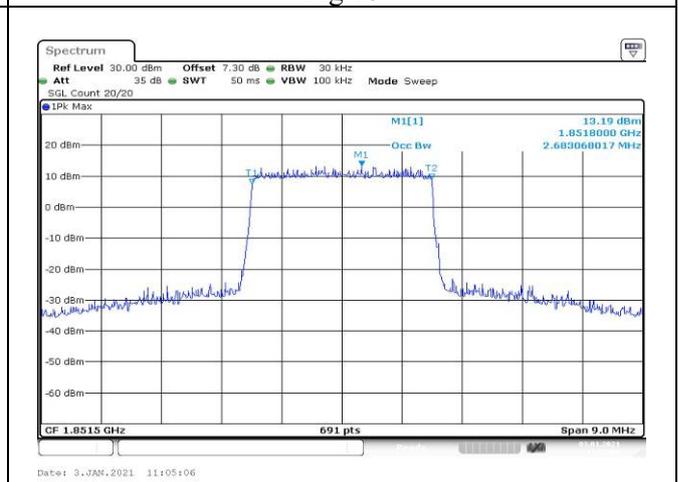


Fig.12

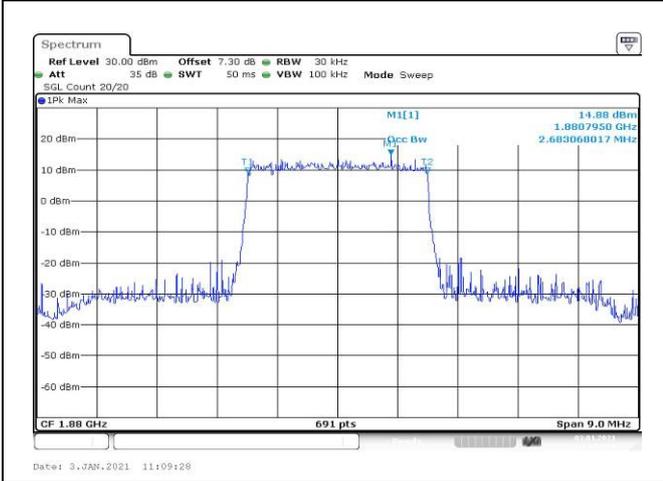


Fig.13

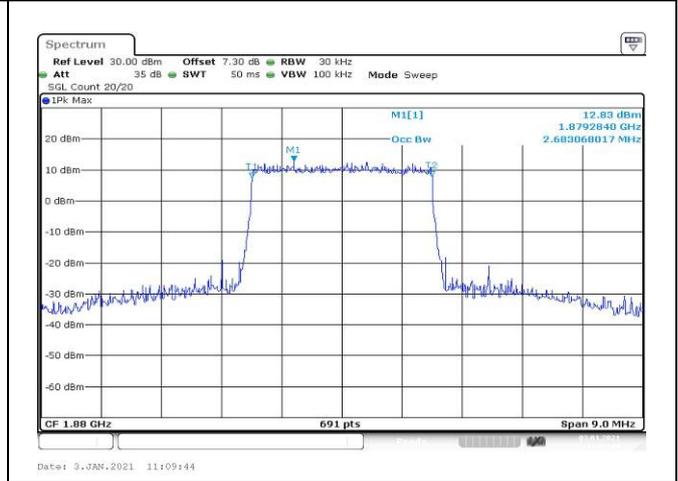


Fig.14

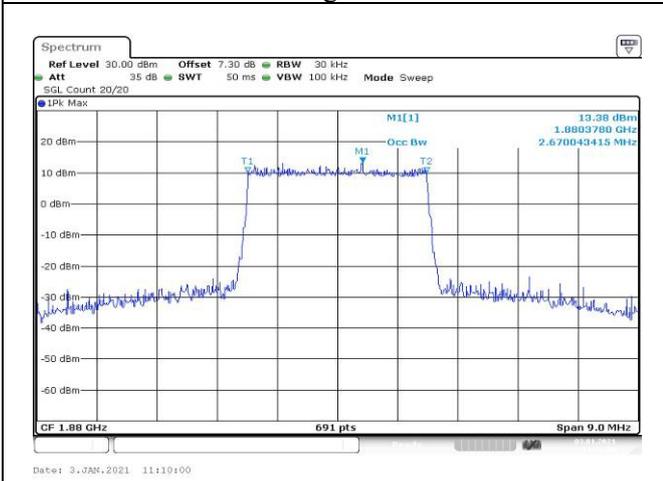


Fig.15

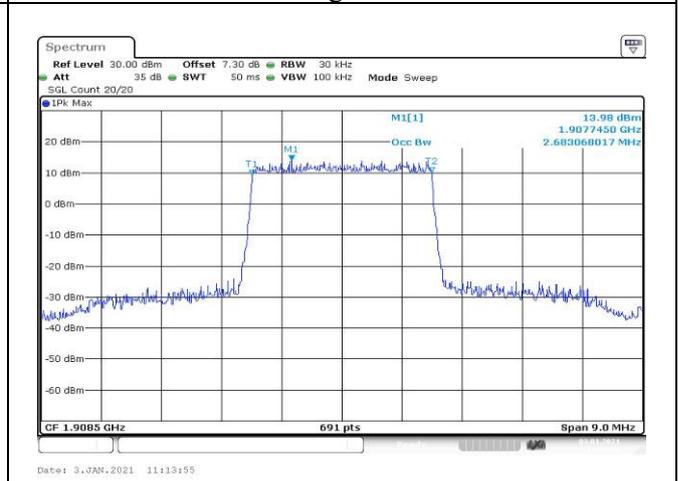


Fig.16

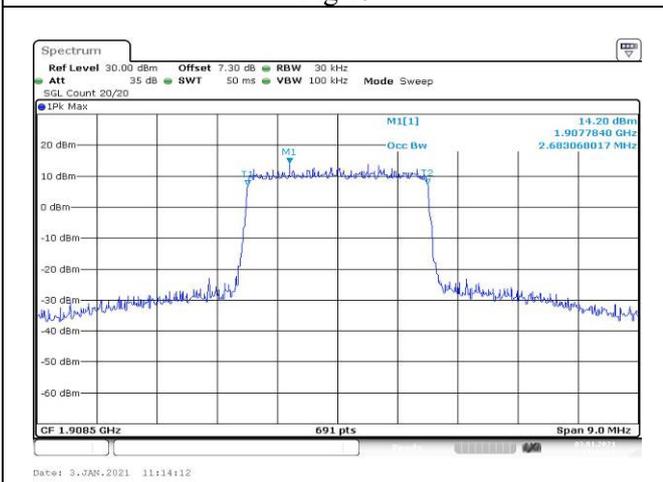


Fig.17

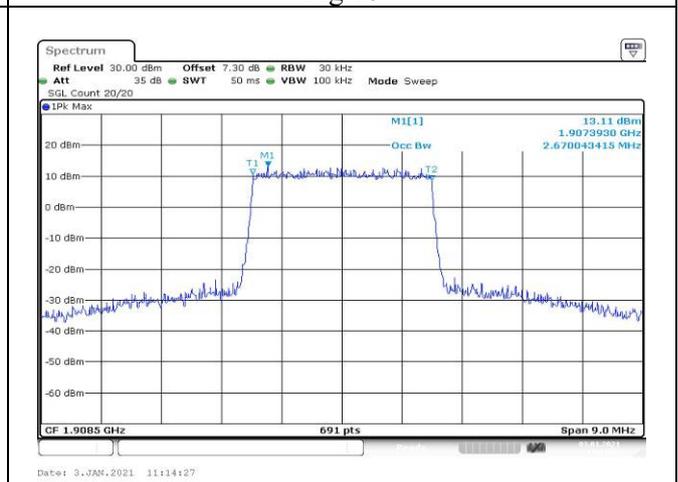


Fig.18

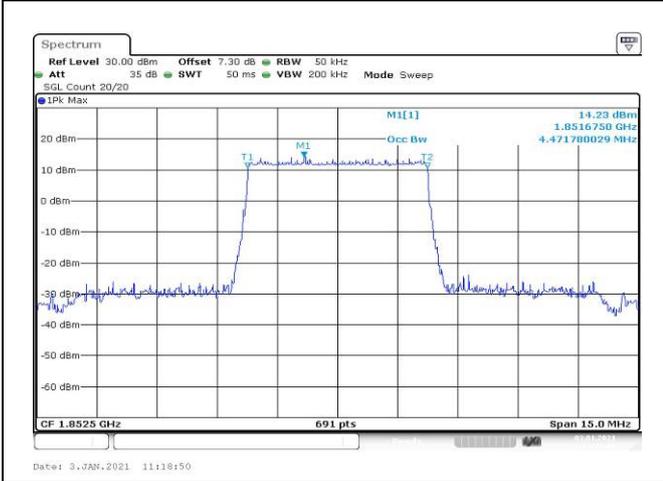


Fig.19

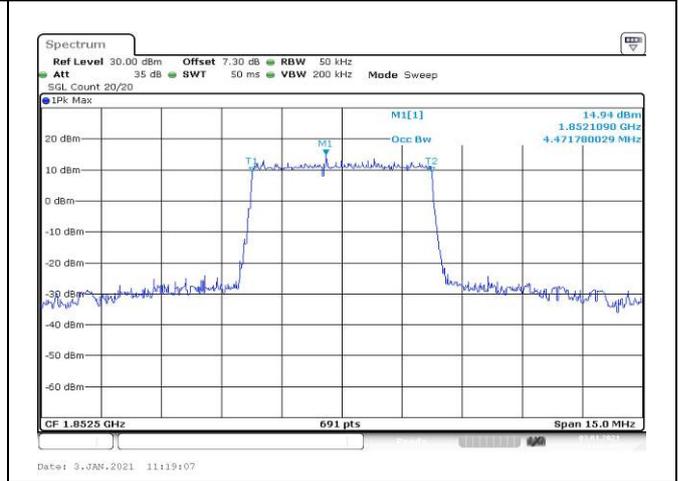


Fig.20

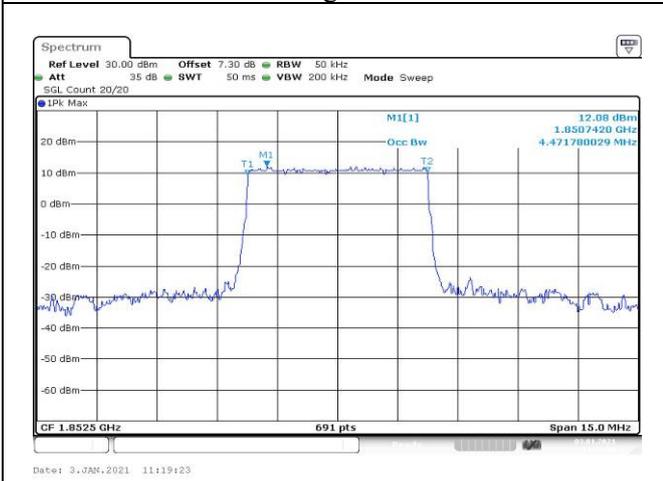


Fig.21

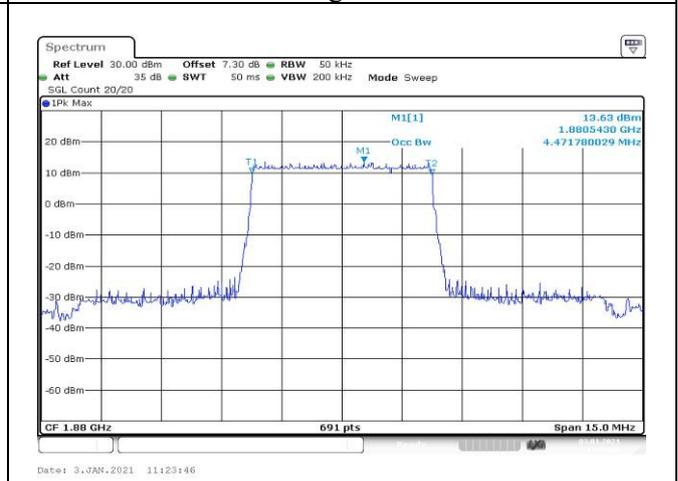


Fig.22

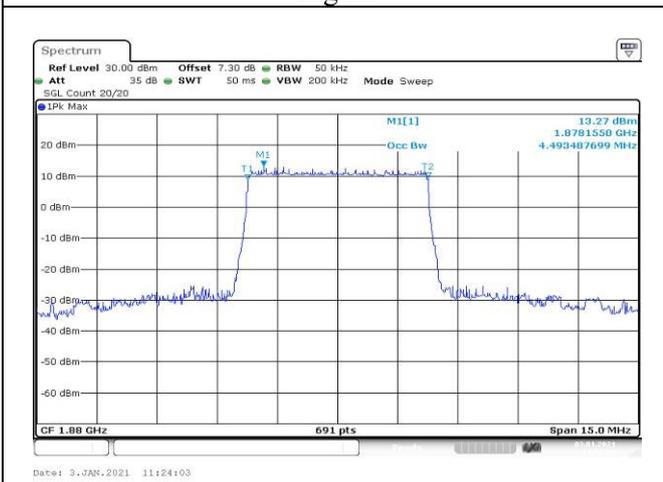


Fig.23

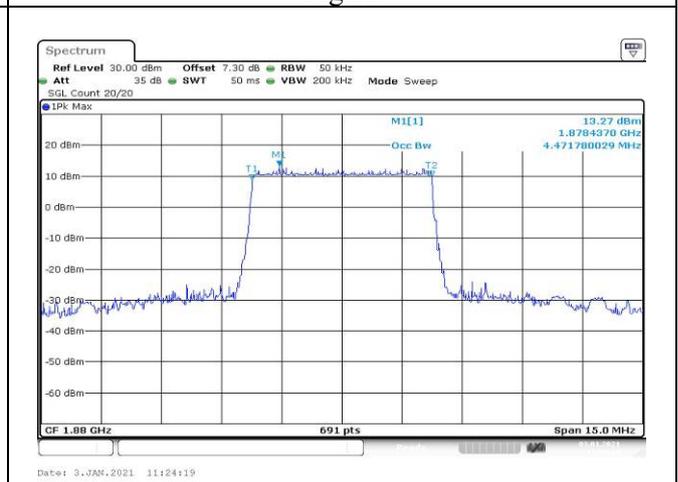


Fig.24

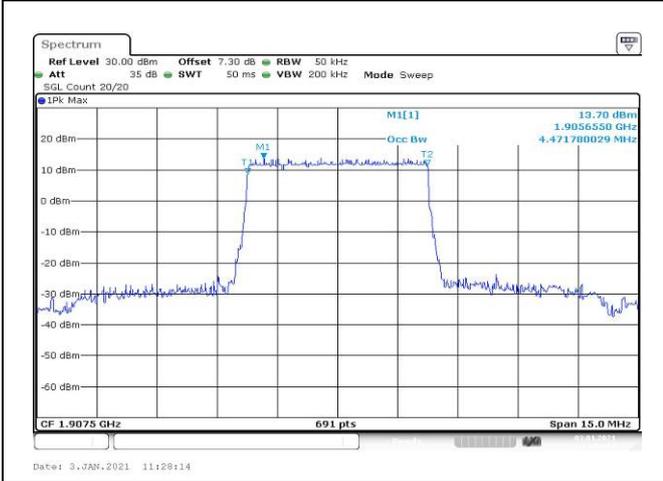


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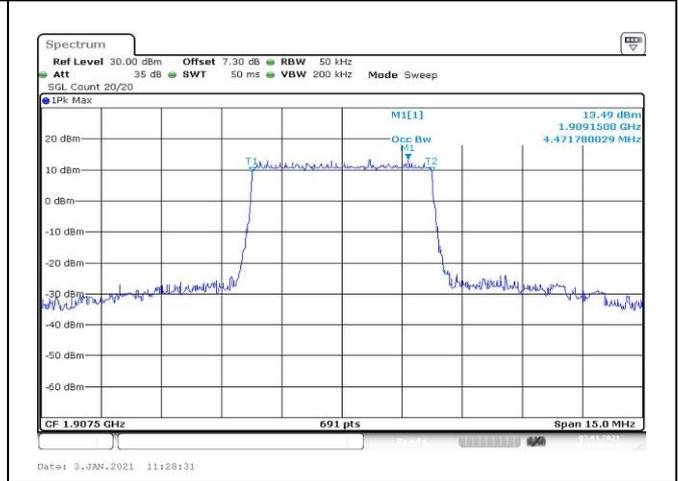


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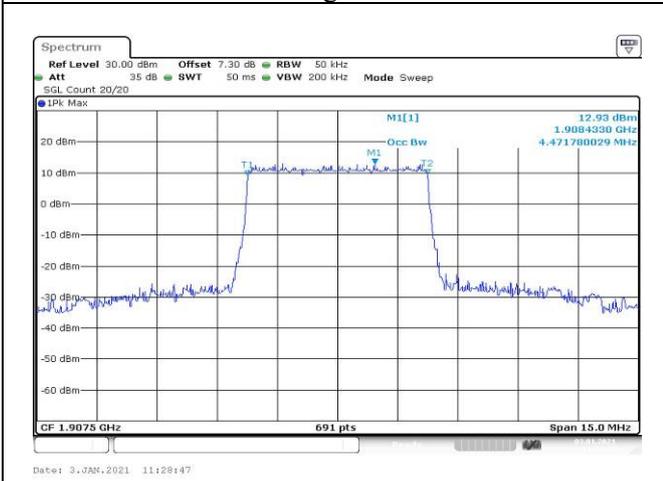


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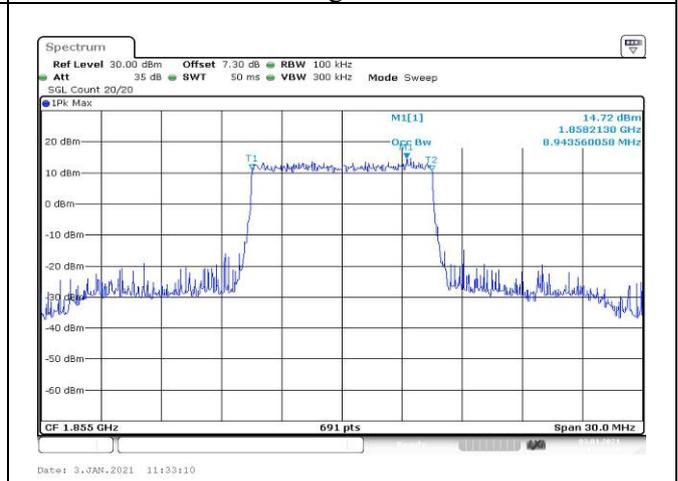


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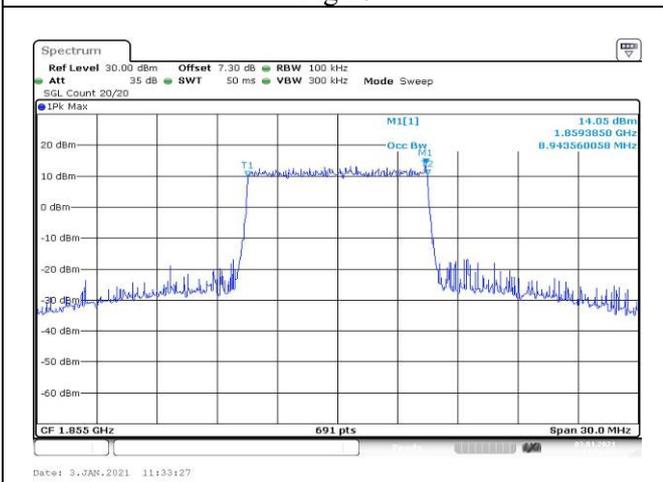


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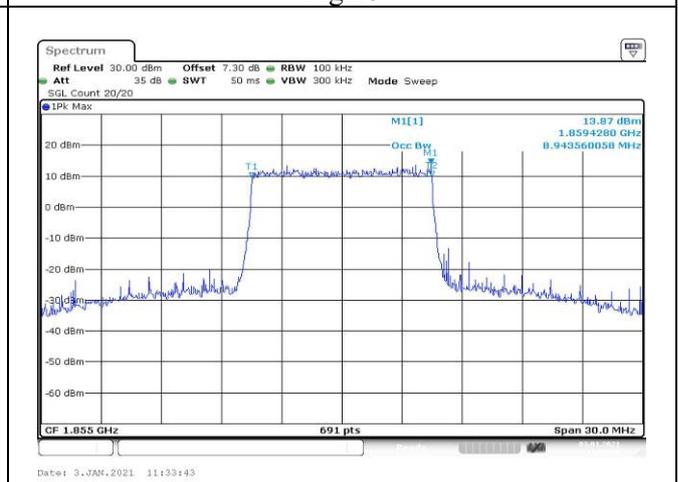


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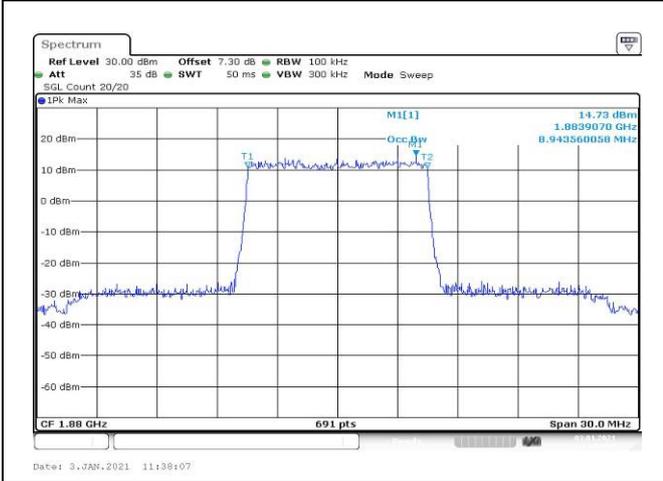


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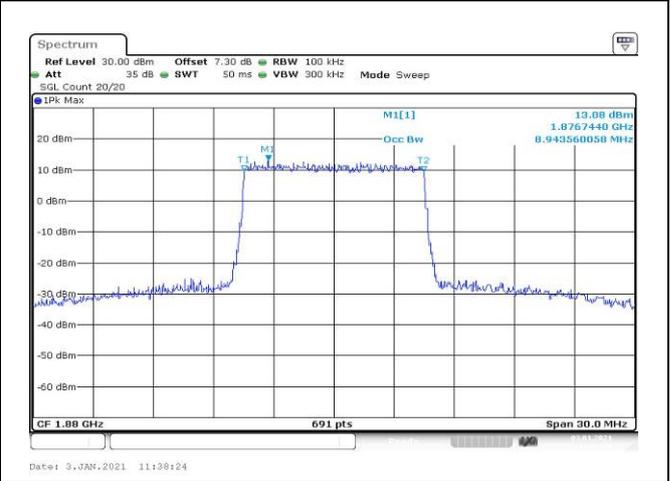


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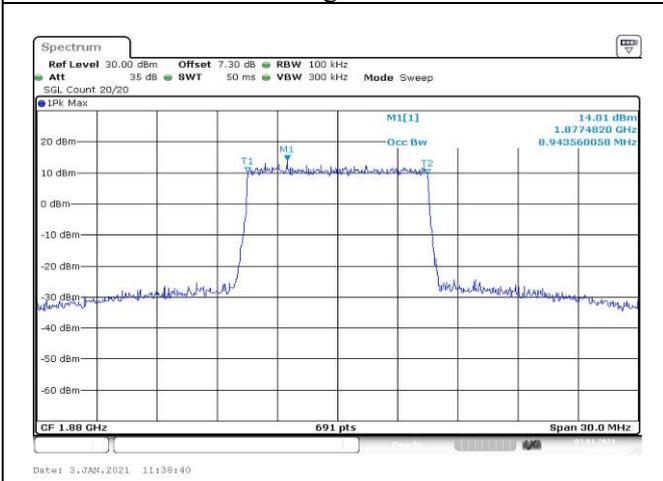


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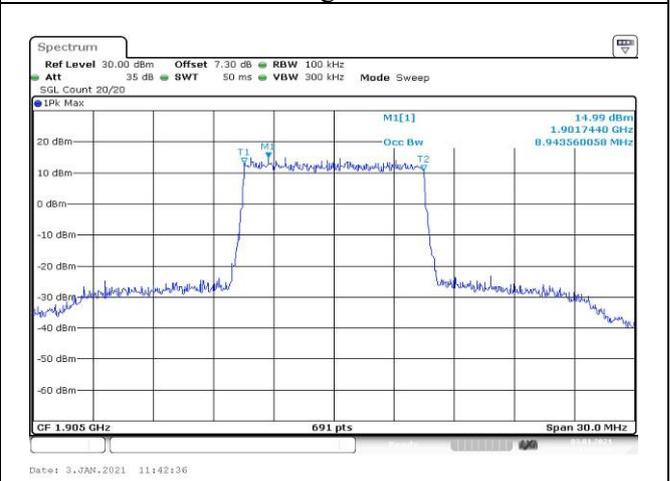


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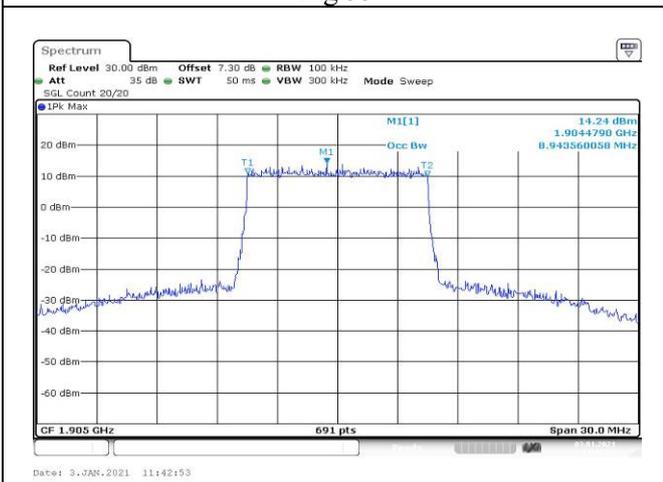


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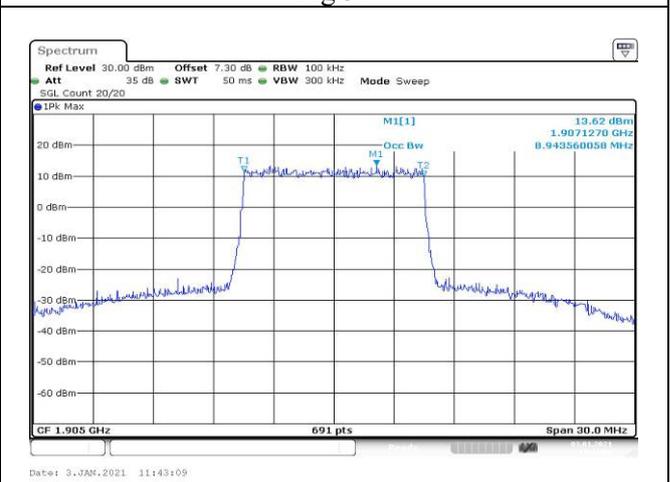


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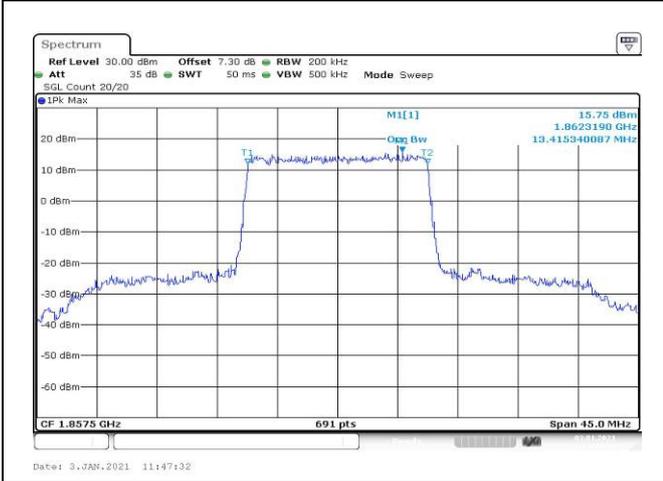


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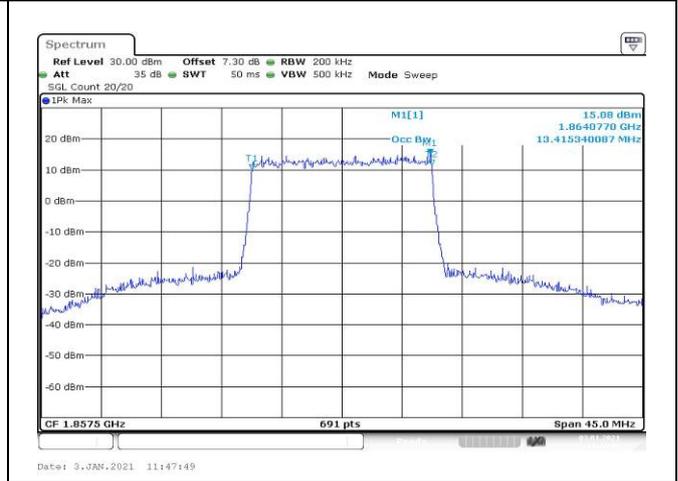


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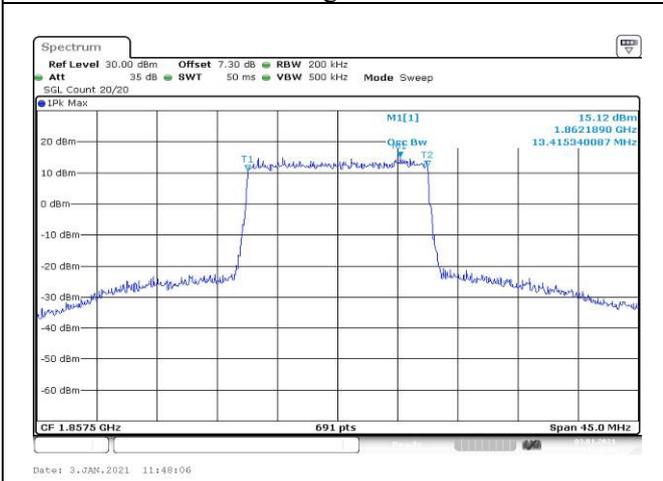


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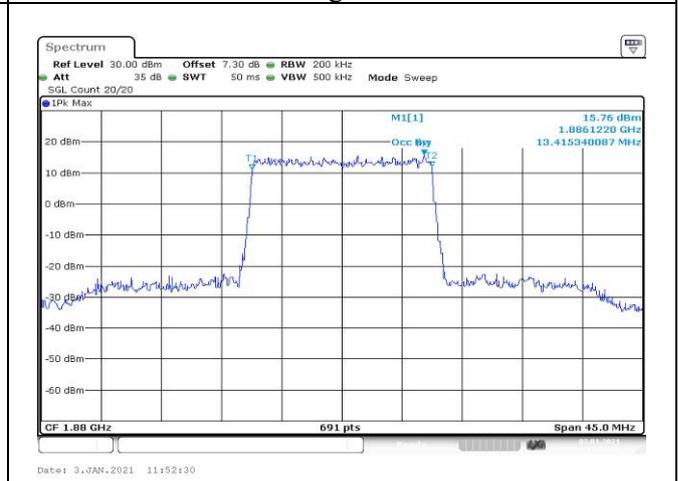


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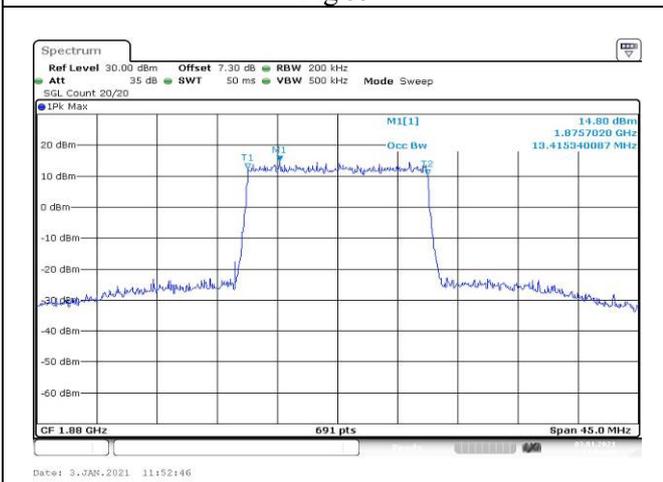


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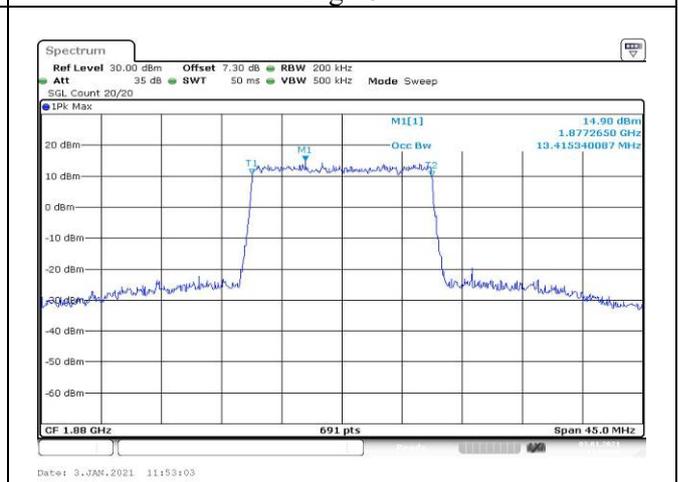


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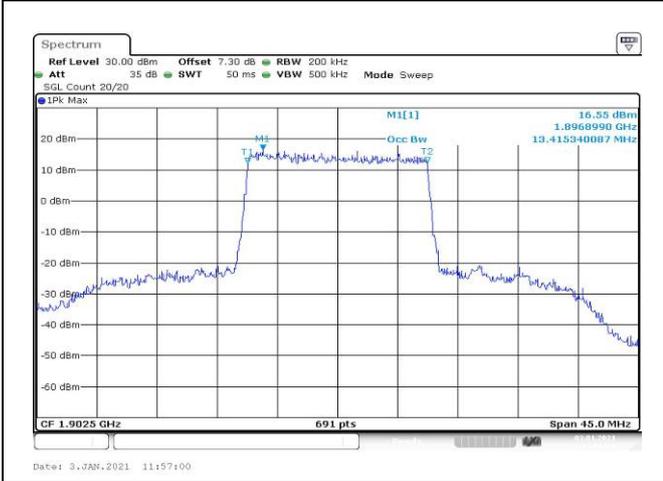


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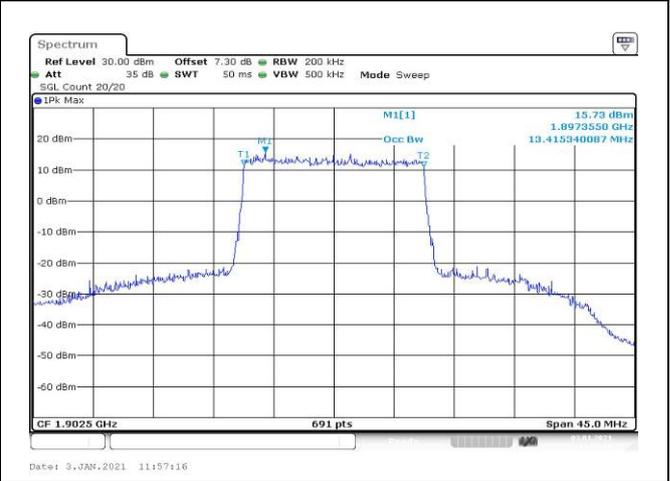


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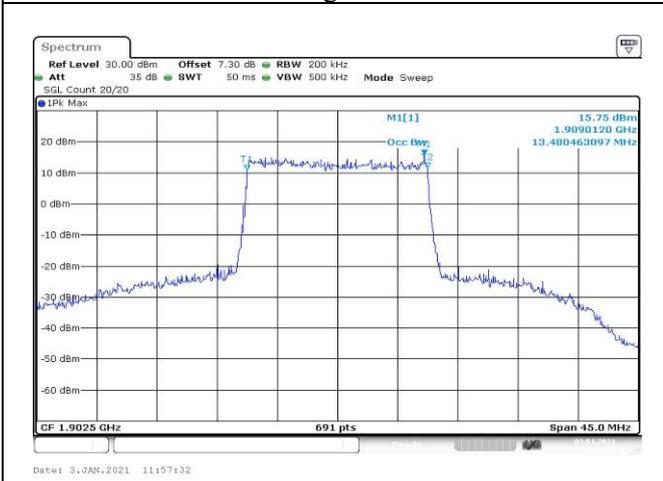


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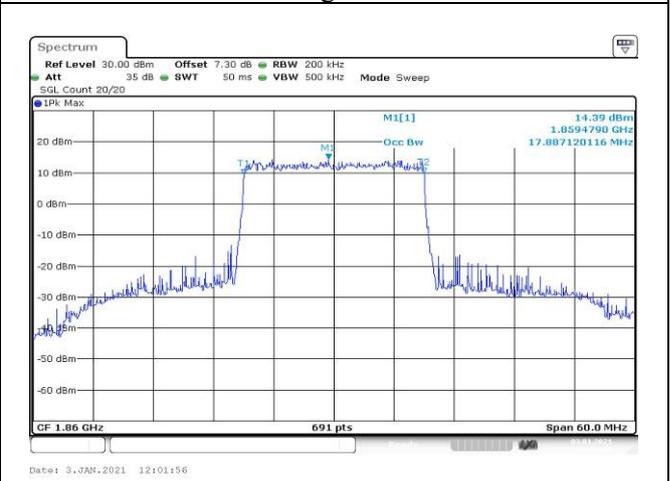


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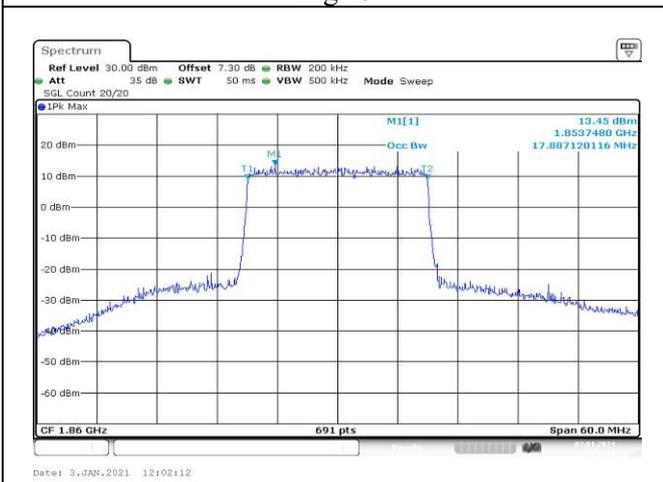


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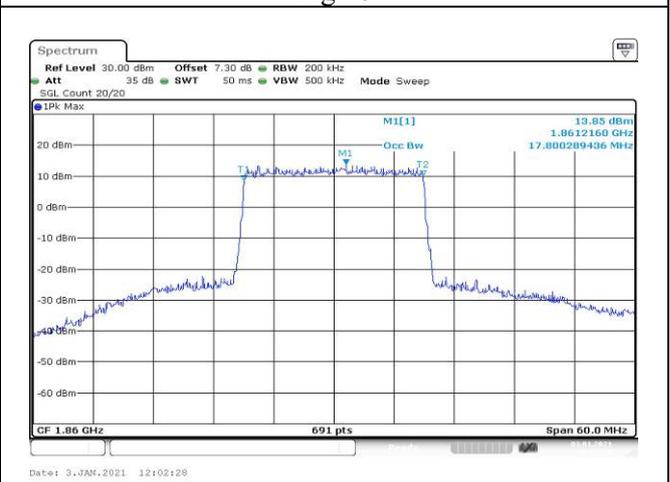


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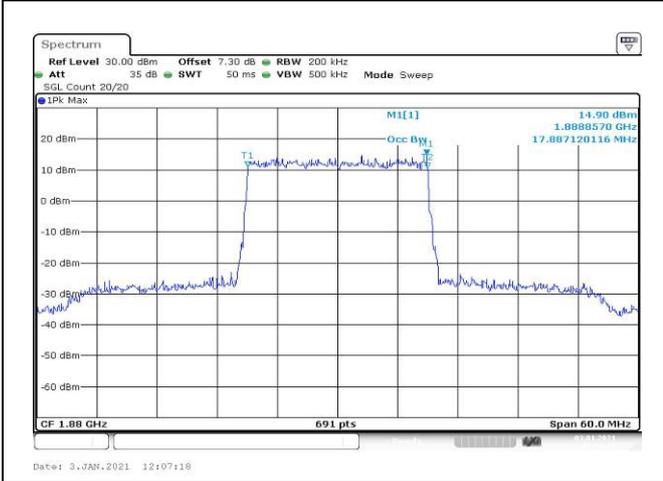


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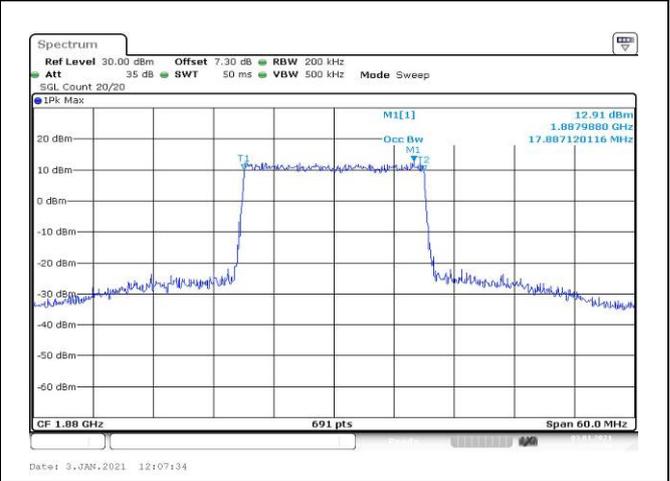


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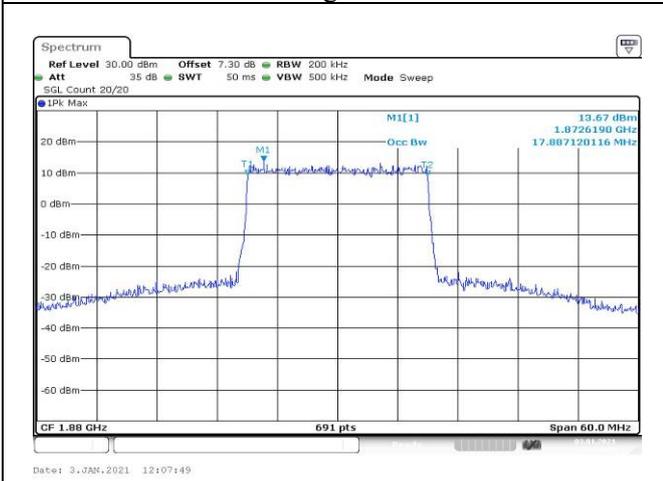


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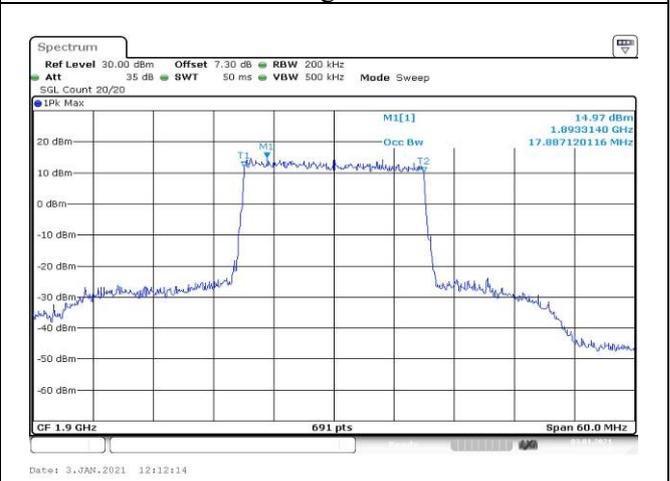


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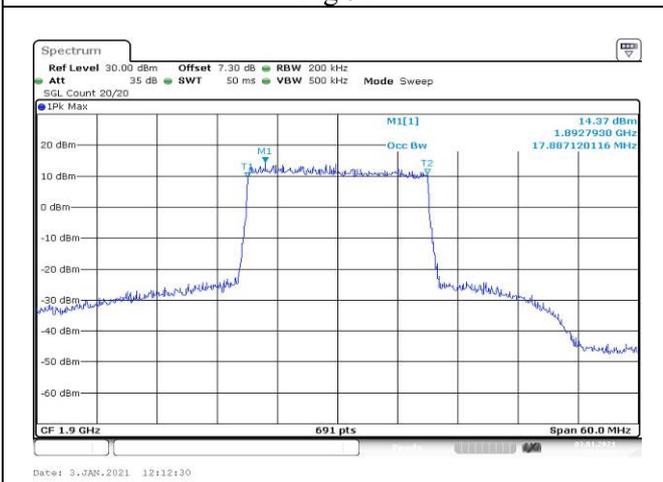


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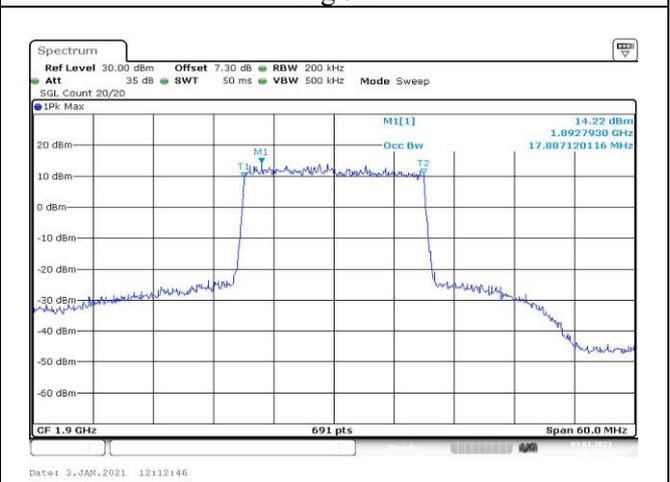


Fig.54

### 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	1.252	Fig.1	1.246	Fig.2	1.276	Fig.3
	1880	18900		6	0	1.258	Fig.4	1.258	Fig.5	1.246	Fig.6
	1909.3	19193		6	0	1.252	Fig.7	1.246	Fig.8	1.222	Fig.9
	1851.5	18615	3	15	0	2.826	Fig.10	2.852	Fig.11	2.852	Fig.12
	1880	18900		15	0	2.865	Fig.13	2.839	Fig.14	2.865	Fig.15
	1908.5	19185		15	0	2.852	Fig.16	2.852	Fig.17	2.865	Fig.18
	1852.5	18625	5	25	0	4.797	Fig.19	4.776	Fig.20	4.819	Fig.21
	1880	18900		25	0	4.797	Fig.22	4.819	Fig.23	4.776	Fig.24
	1907.5	19175		25	0	4.819	Fig.25	4.841	Fig.26	4.797	Fig.27
	1855	18650	10	50	0	9.551	Fig.28	9.595	Fig.29	9.595	Fig.30
	1880	18900		50	0	9.508	Fig.31	9.465	Fig.32	9.551	Fig.33
	1905	19150		50	0	9.595	Fig.34	9.551	Fig.35	9.595	Fig.36
	1857.5	18675	15	75	0	14.522	Fig.37	14.392	Fig.38	14.392	Fig.39
	1880	18900		75	0	14.392	Fig.40	14.327	Fig.41	14.392	Fig.42
	1902.5	19125		75	0	14.392	Fig.43	14.457	Fig.44	14.392	Fig.45
	1860	18700	20	100	0	18.929	Fig.46	18.929	Fig.47	19.016	Fig.48
	1880	18900		100	0	19.016	Fig.49	19.103	Fig.50	19.103	Fig.51
	1900	19100		100	0	19.016	Fig.52	18.929	Fig.53	18.929	Fig.54

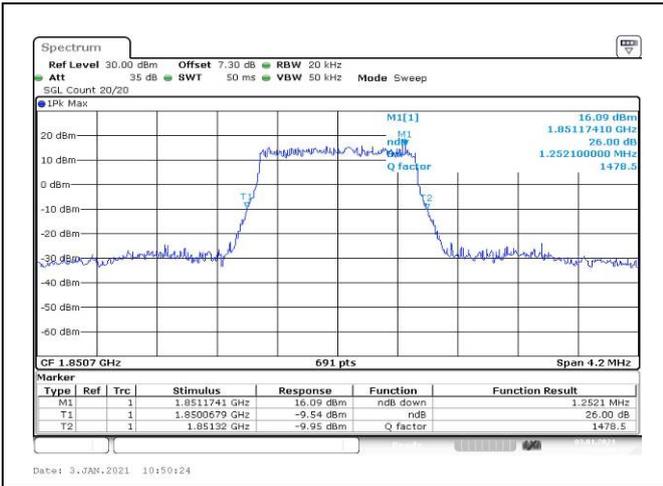


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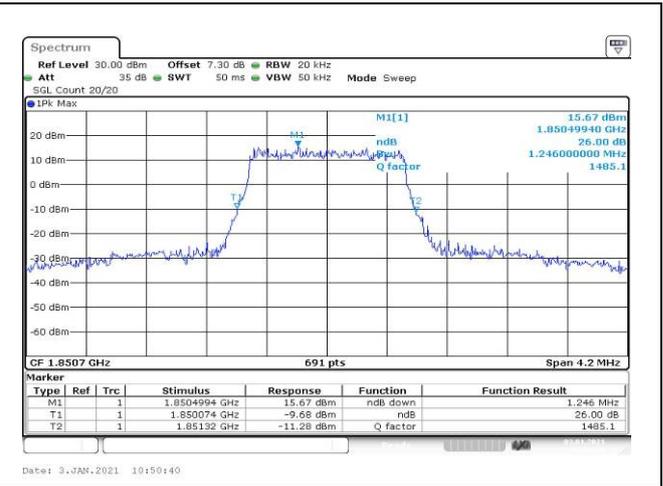


Fig.2

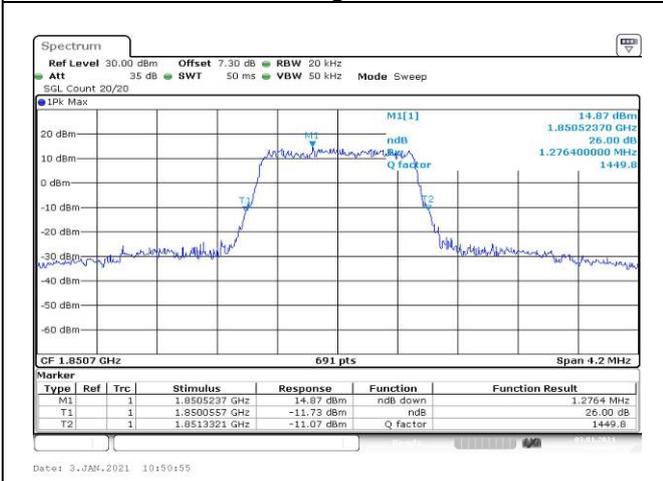


Fig.3

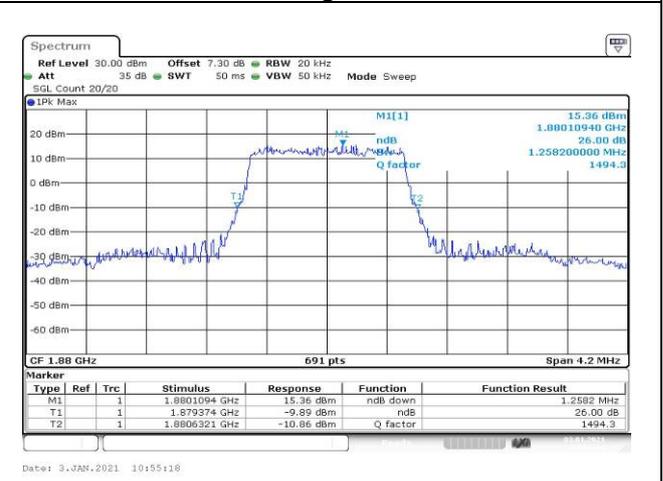


Fig.4

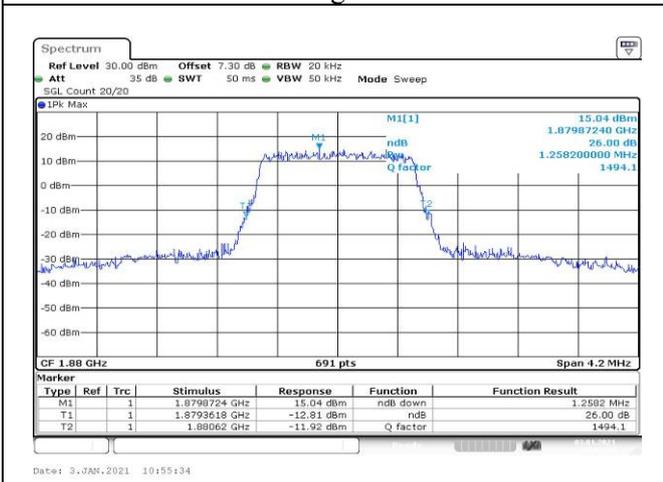


Fig.5

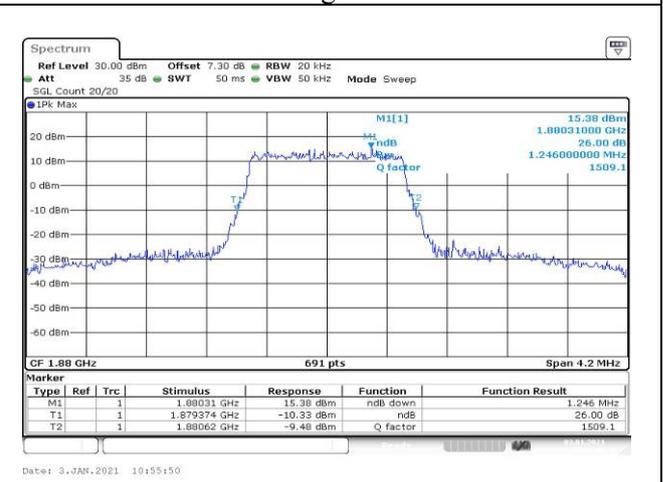


Fig.6

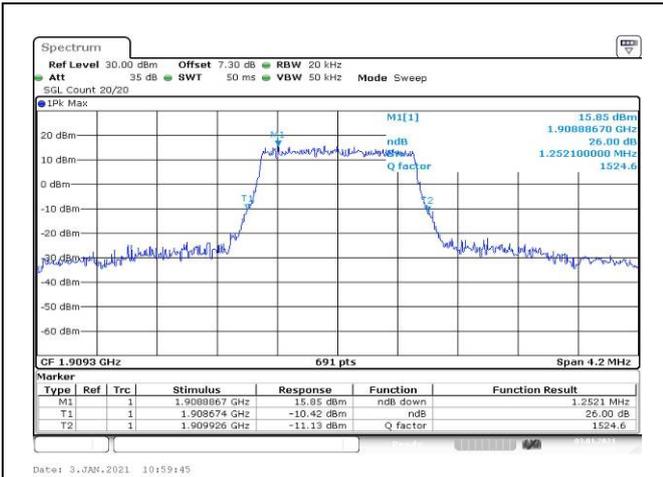


Fig.7

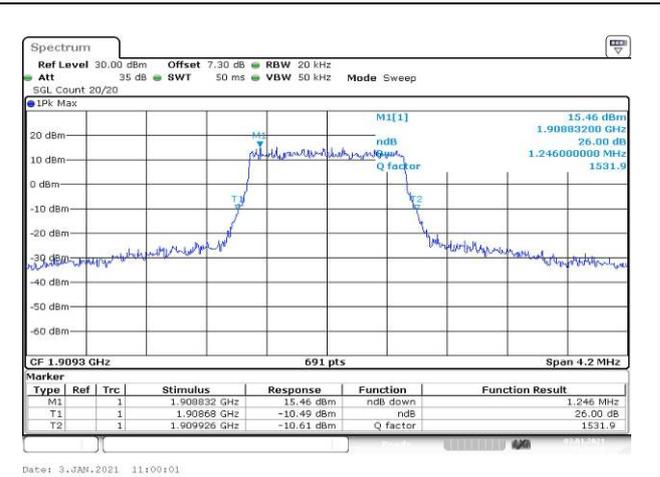


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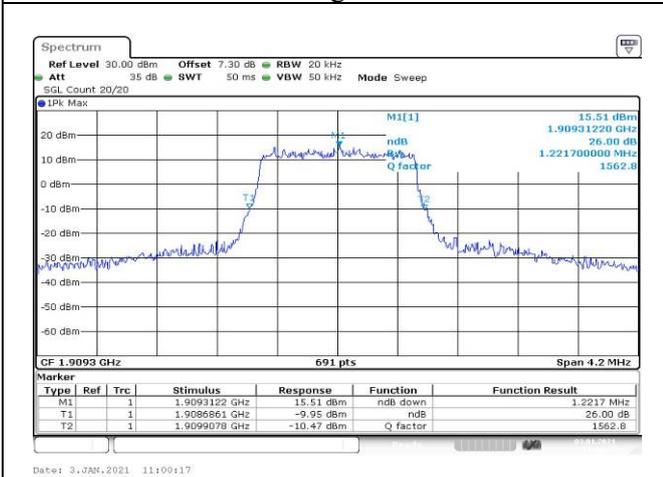


Fig.9

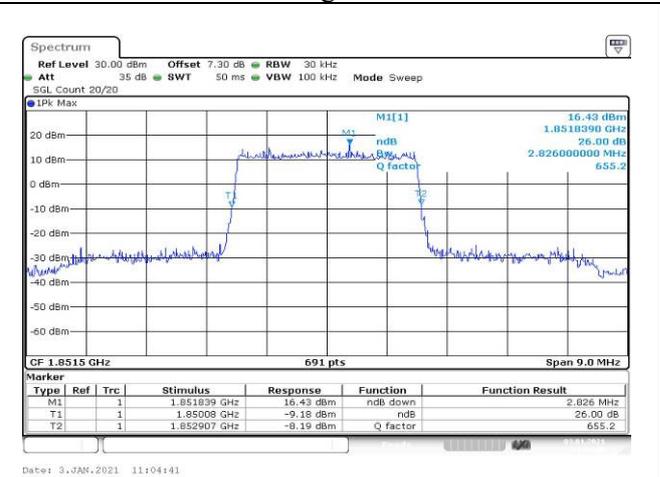


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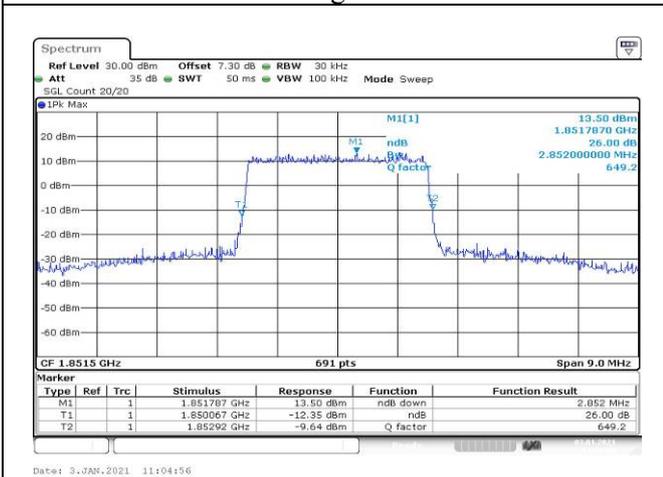


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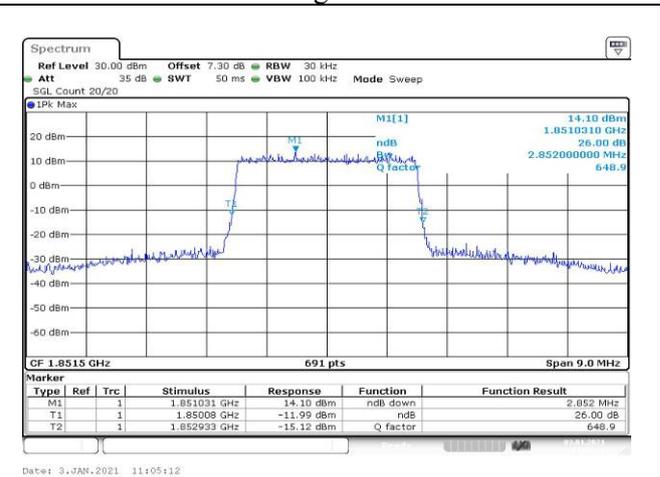


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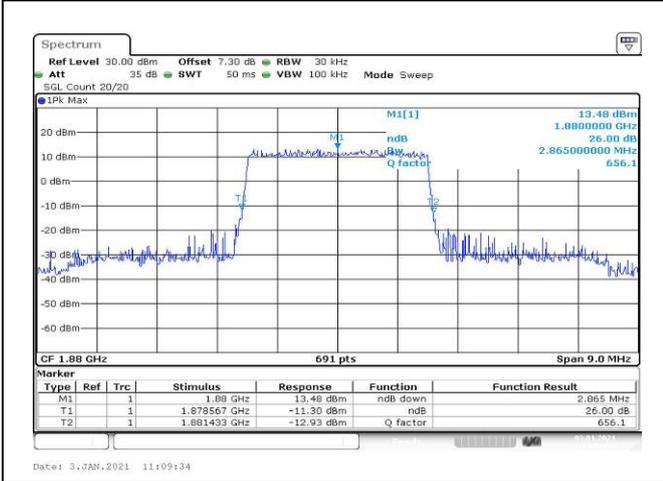


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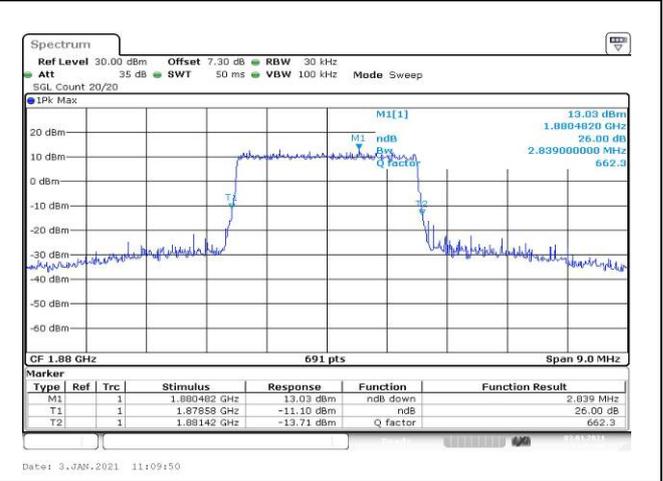


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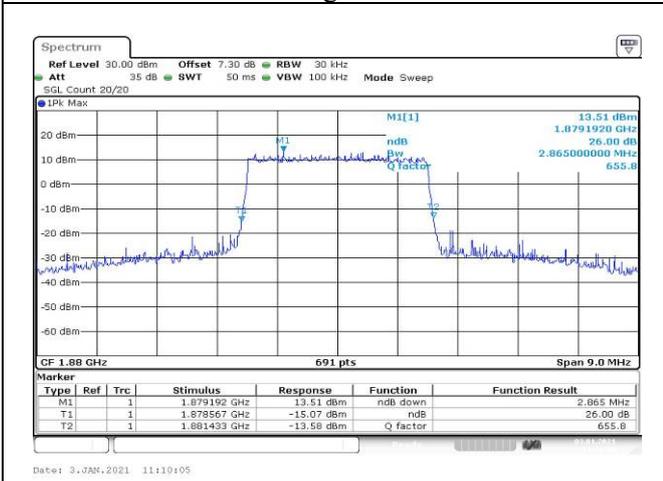


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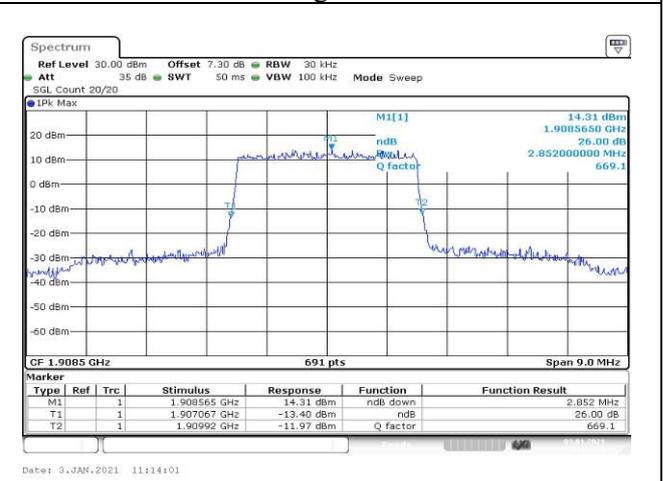


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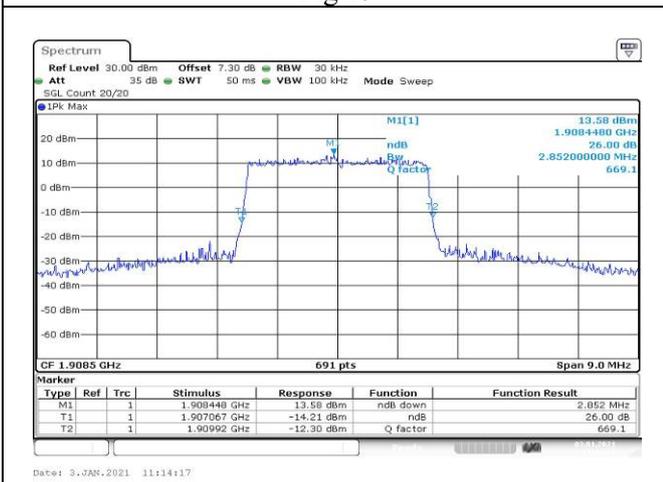


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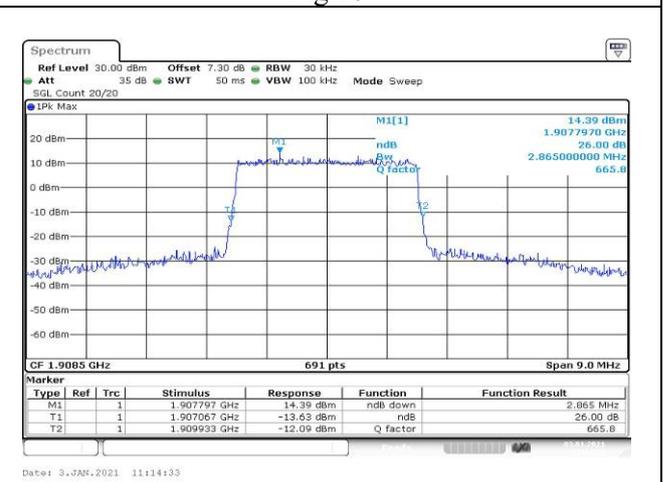


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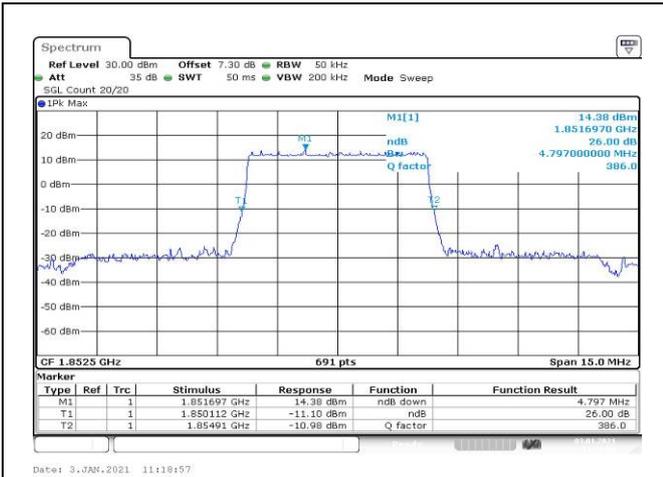


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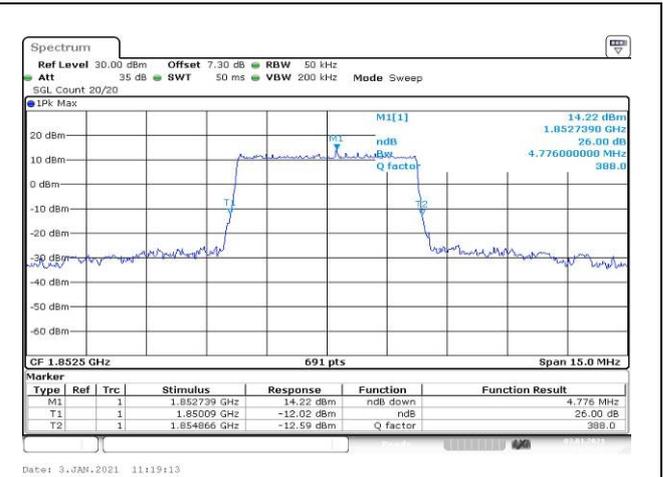


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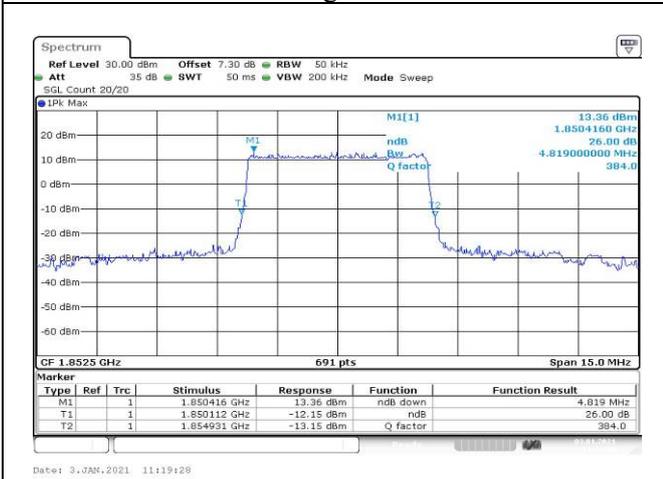


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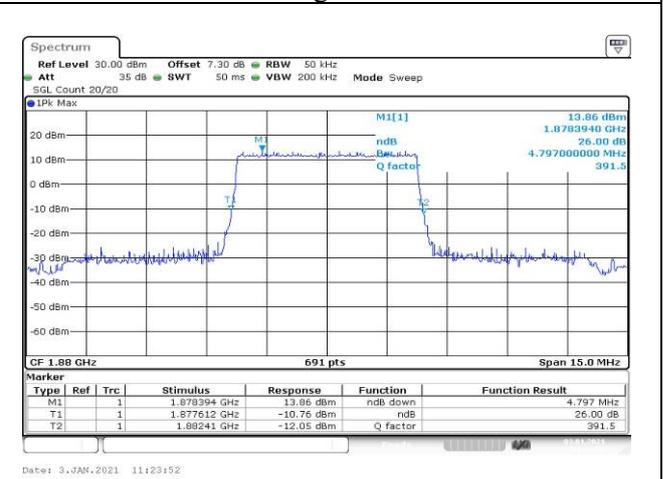


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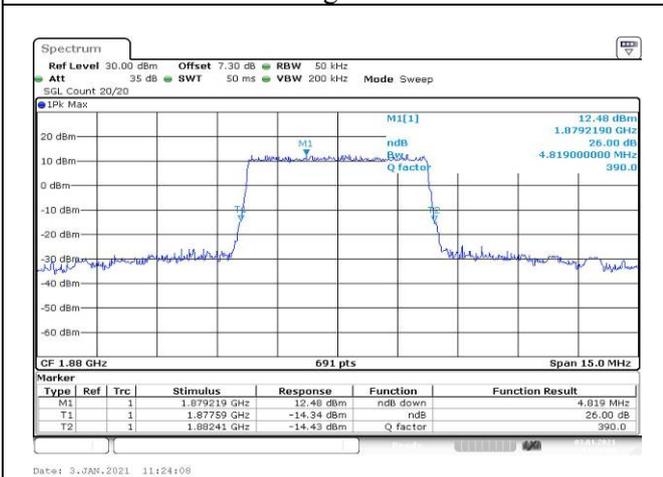


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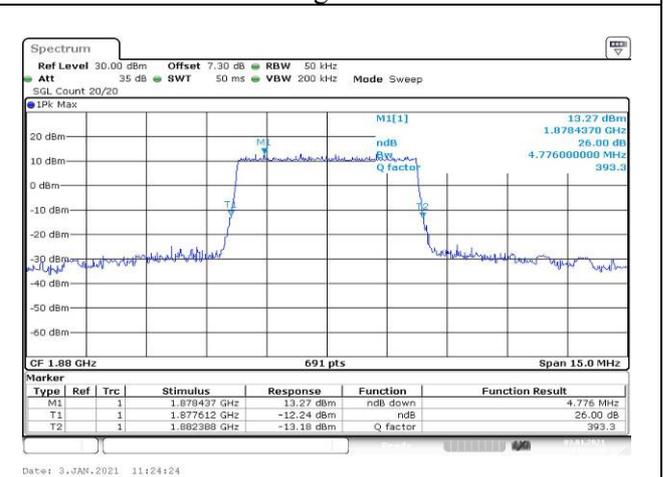


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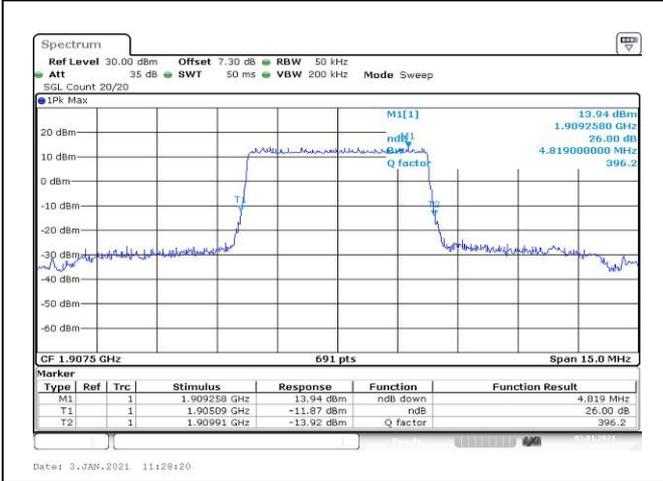


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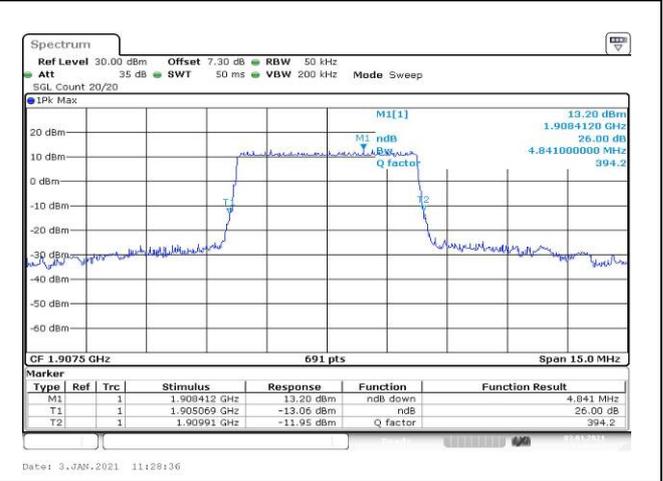


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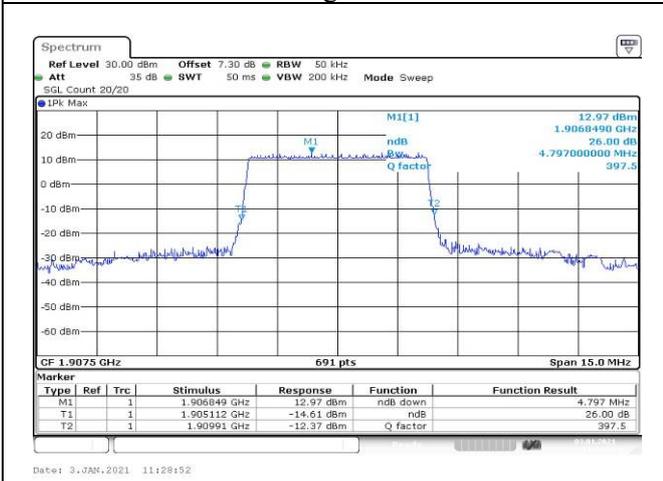


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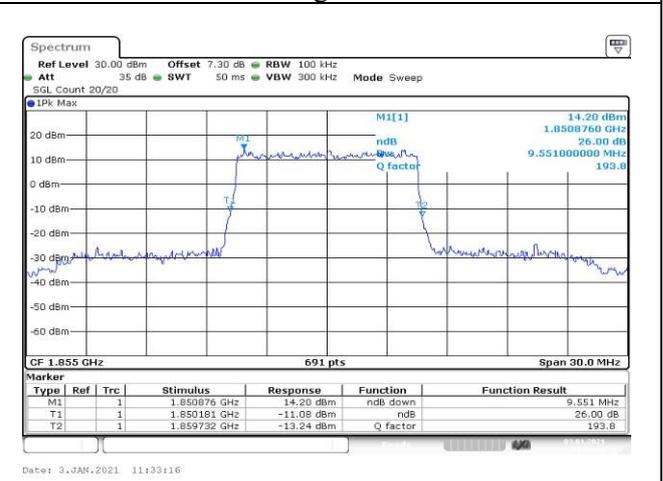


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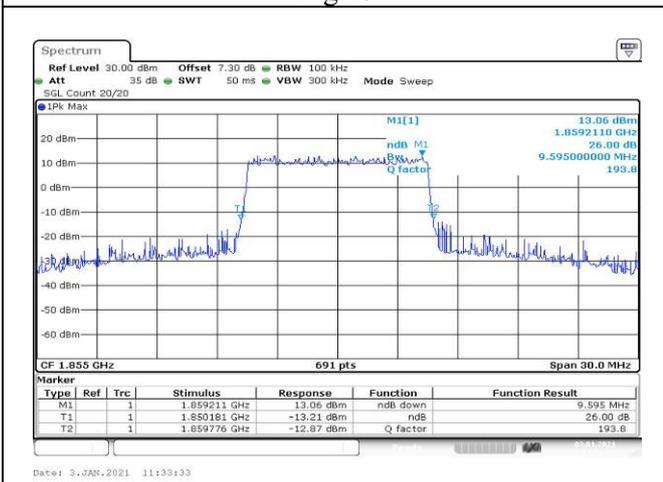


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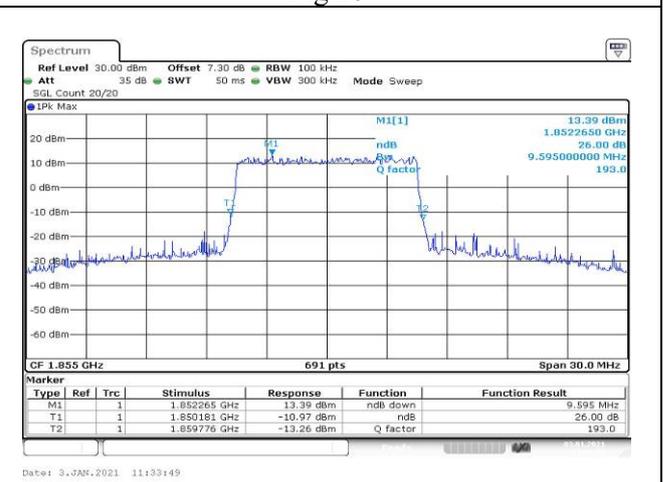


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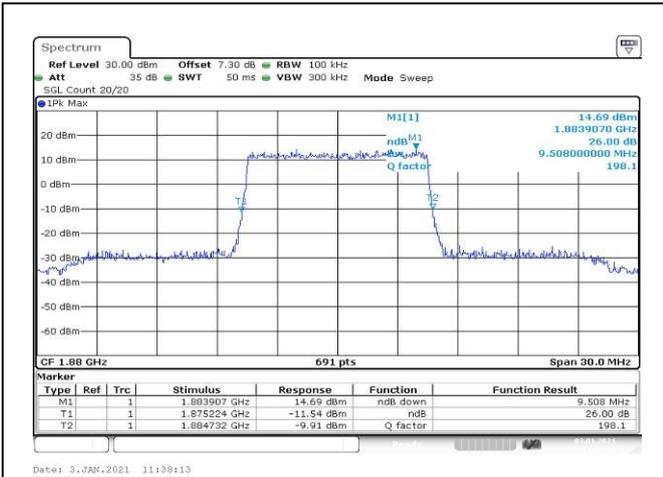


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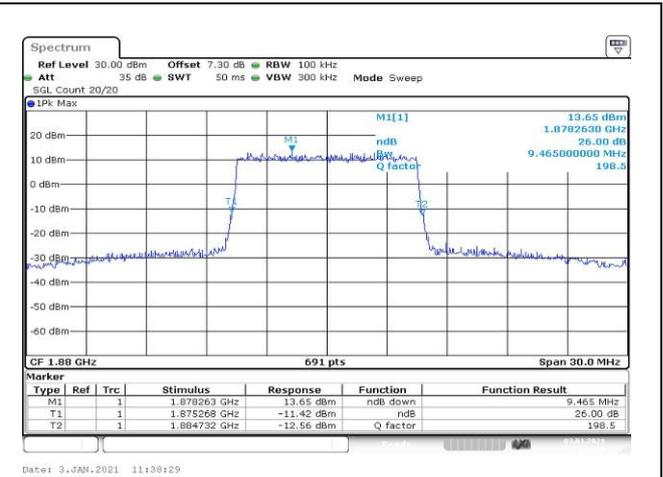


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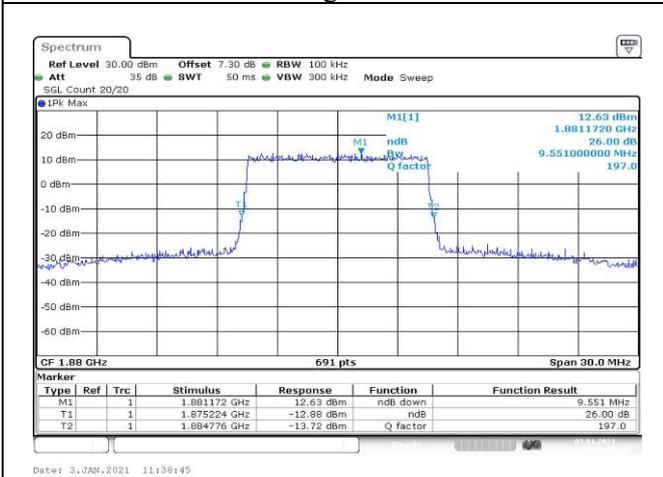


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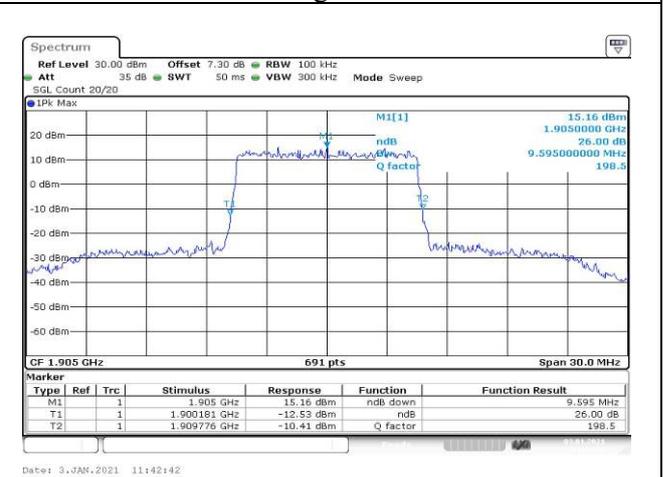


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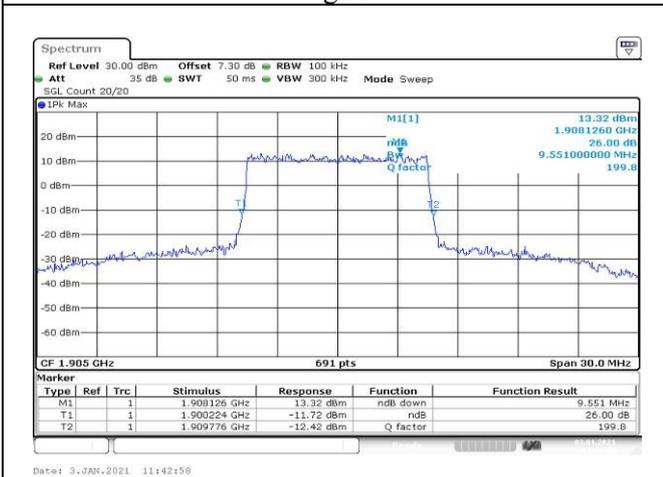


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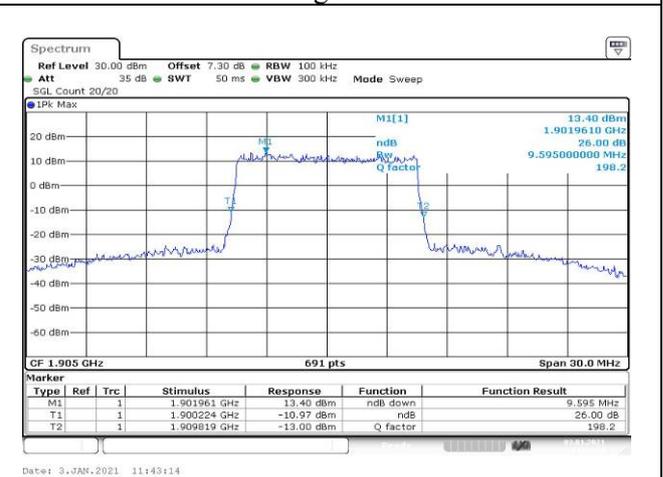


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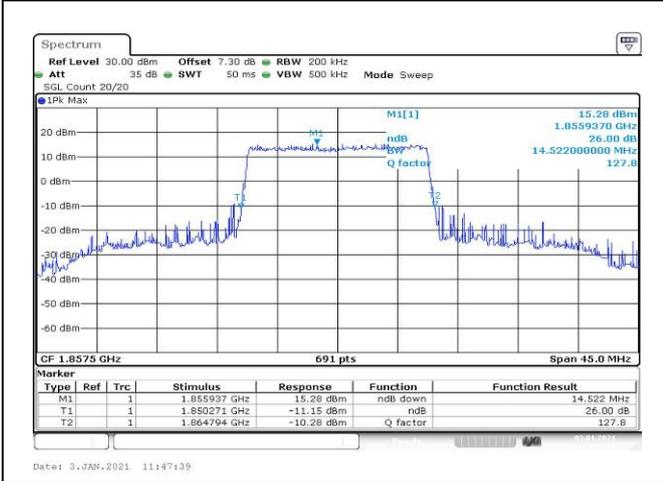


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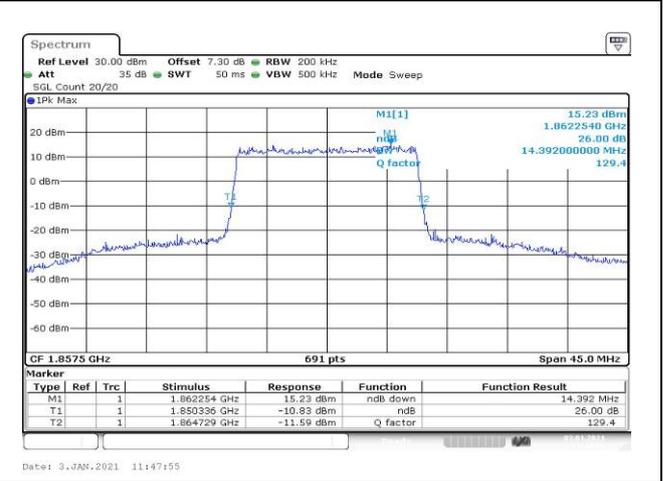


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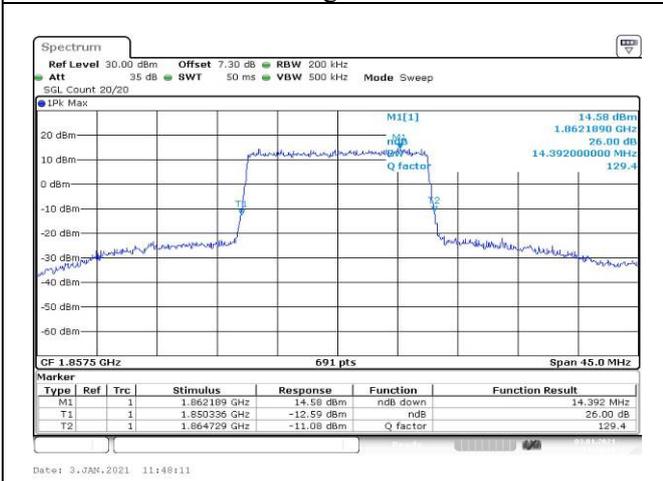


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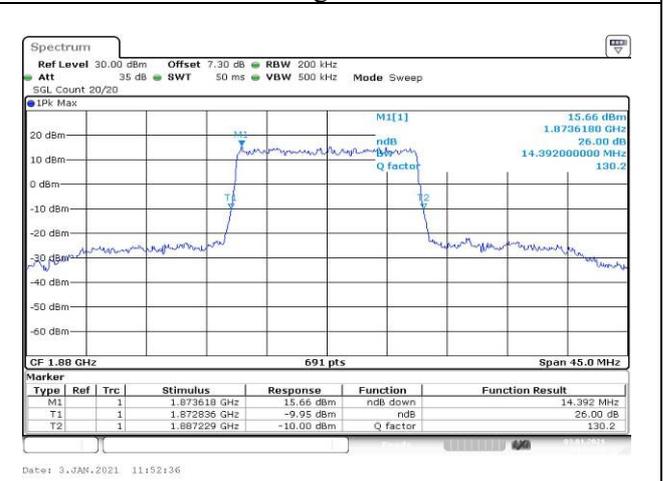


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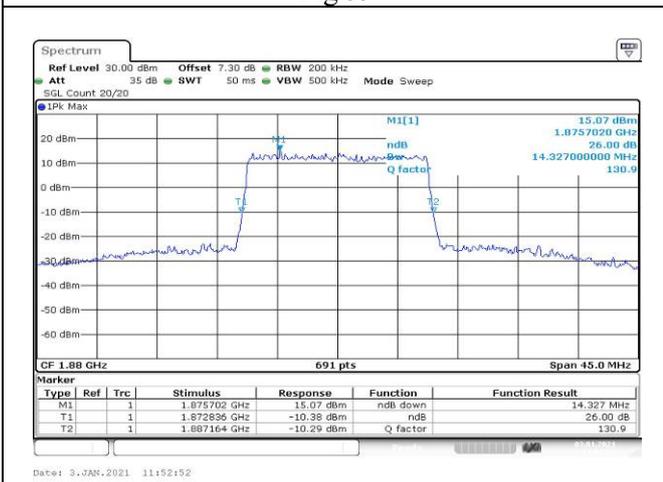


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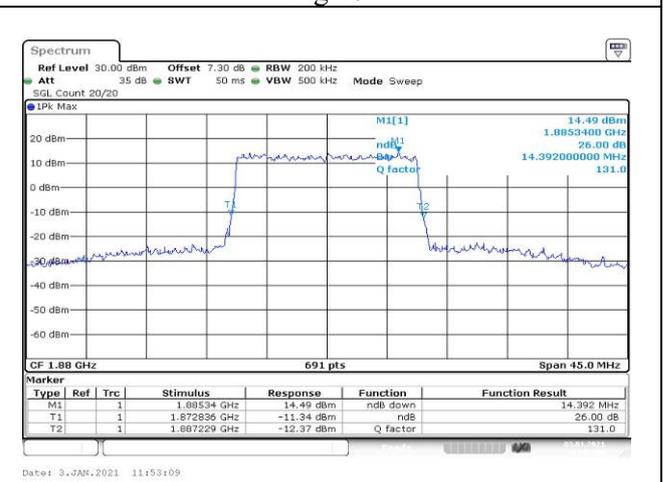


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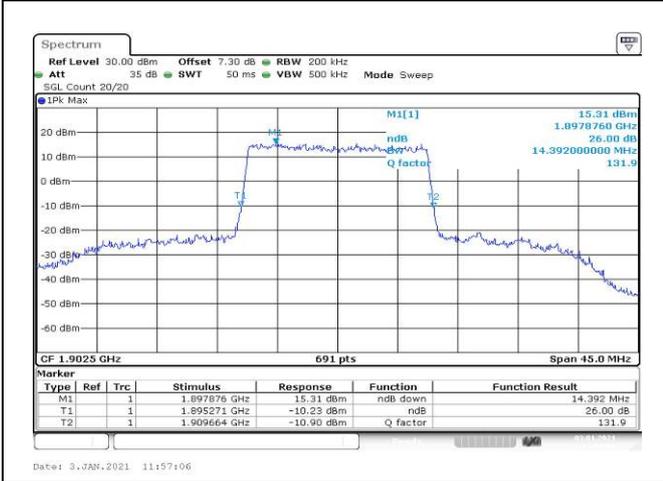


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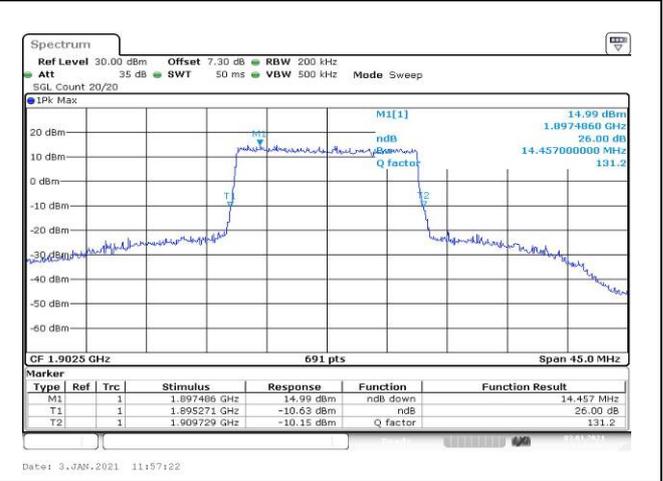


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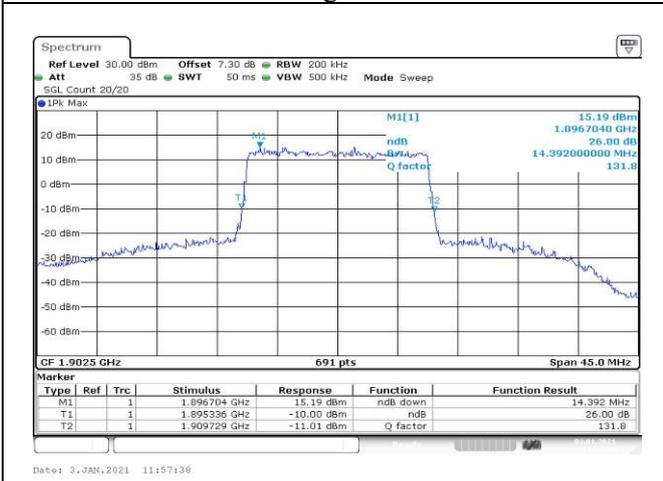


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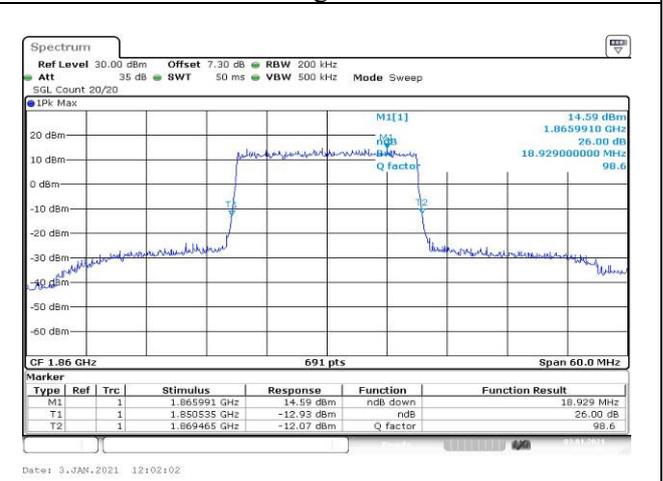


Fig.46

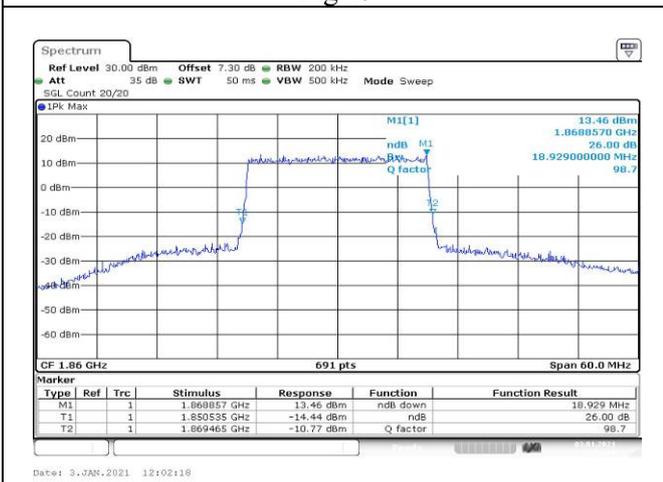


Fig.47

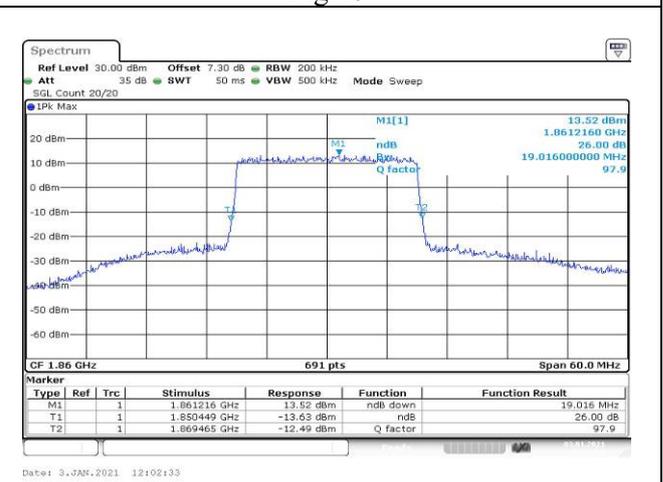


Fig.48

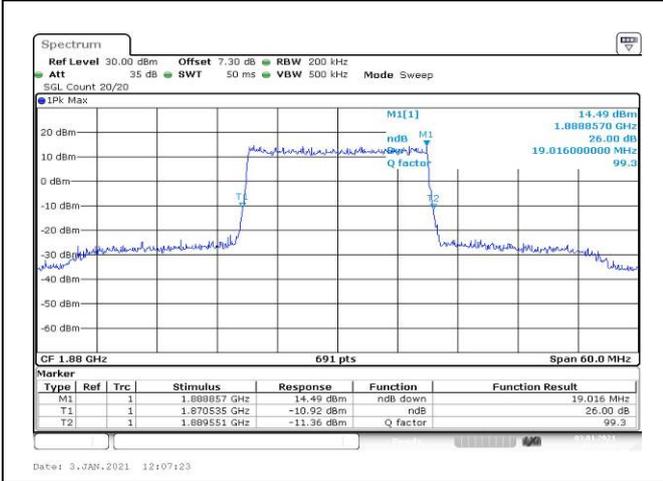


Fig.49

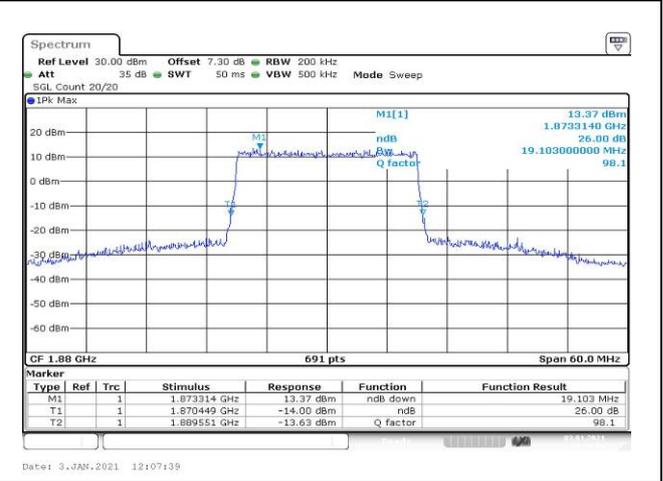


Fig.50

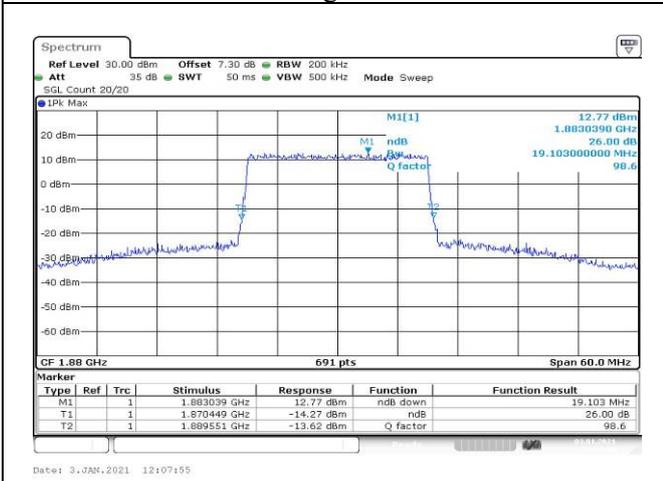


Fig.51

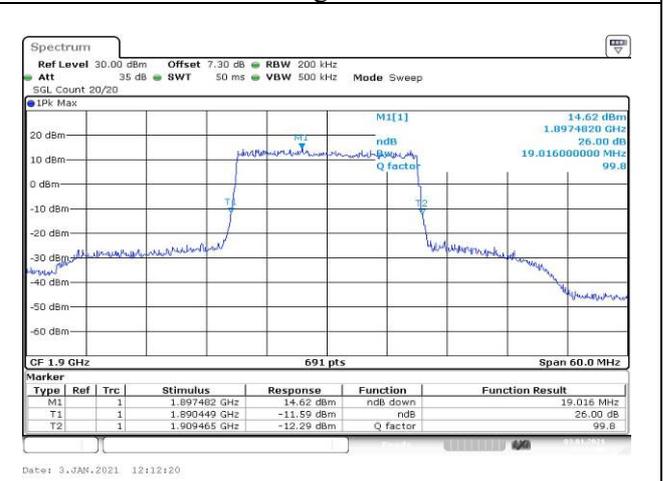


Fig.52

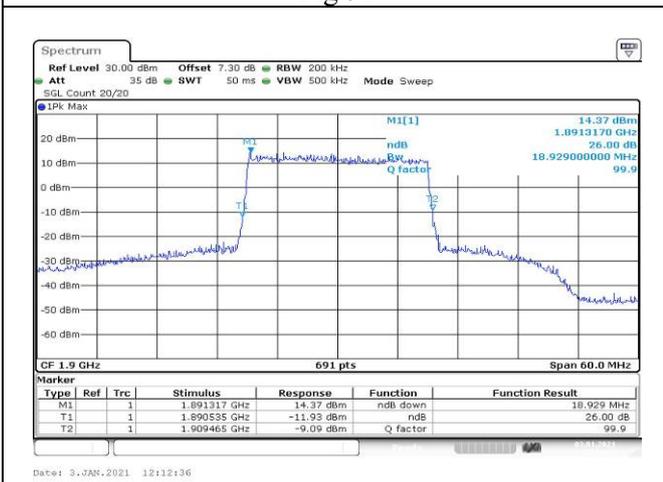


Fig.53

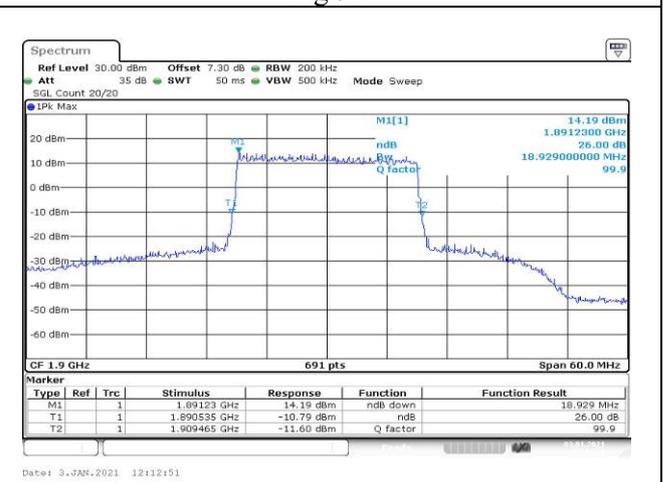


Fig.54

#### 4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
2	1850.7	18607	1.4	1	5	Fig.1	Fig.2	Fig.3
	1850.7	18607		6	0	Fig.4	Fig.5	Fig.6
	1880	18900		1	5	Fig.7	Fig.8	Fig.9
	1880	18900		6	0	Fig.10	Fig.11	Fig.12
	1909.3	19193		1	5	Fig.13	Fig.14	Fig.15
	1909.3	19193		6	0	Fig.16	Fig.17	Fig.18
	1851.5	18615	3	1	14	Fig.19	Fig.20	Fig.21
	1851.5	18615		15	0	Fig.22	Fig.23	Fig.24
	1880	18900		1	14	Fig.25	Fig.26	Fig.27
	1880	18900		15	0	Fig.28	Fig.29	Fig.30
	1908.5	19185		1	14	Fig.31	Fig.32	Fig.33
	1908.5	19185		15	0	Fig.34	Fig.35	Fig.36
	1852.5	18625	5	1	24	Fig.37	Fig.38	Fig.39
	1852.5	18625		25	0	Fig.40	Fig.41	Fig.42
	1880	18900		1	24	Fig.43	Fig.44	Fig.45
	1880	18900		25	0	Fig.46	Fig.47	Fig.48
	1907.5	19175		1	24	Fig.49	Fig.50	Fig.51
	1907.5	19175		25	0	Fig.52	Fig.53	Fig.54
	1855	18650	10	1	49	Fig.55	Fig.56	Fig.57
	1855	18650		50	0	Fig.58	Fig.59	Fig.60
	1880	18900		1	49	Fig.61	Fig.62	Fig.63
	1880	18900		50	0	Fig.64	Fig.65	Fig.66
	1905	19150		1	49	Fig.67	Fig.68	Fig.69
	1905	19150		50	0	Fig.70	Fig.71	Fig.72
	1857.5	18675	15	1	74	Fig.73	Fig.74	Fig.75
	1857.5	18675		75	0	Fig.76	Fig.77	Fig.78
	1880	18900		1	74	Fig.79	Fig.80	Fig.81
	1880	18900		75	0	Fig.82	Fig.83	Fig.84
	1902.5	19125		1	74	Fig.85	Fig.86	Fig.87
	1902.5	19125		75	0	Fig.88	Fig.89	Fig.90
1860	18700	20	1	99	Fig.91	Fig.92	Fig.93	
1860	18700		100	0	Fig.94	Fig.95	Fig.96	
1880	18900		1	99	Fig.97	Fig.98	Fig.99	
1880	18900		100	0	Fig.100	Fig.101	Fig.102	
1900	19100		1	99	Fig.103	Fig.104	Fig.105	
1900	19100		100	0	Fig.106	Fig.107	Fig.108	