

APPENDIX A1 – 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	24.15
				1	3	24.12
				1	5	24.22
				3	0	24.15
				3	1	24.13
				3	3	24.11
16QAM	1880	18900		6	0	23.01
				1	0	23.36
				1	3	23.37
				1	5	23.36
				3	0	23.05
				3	1	23.05
	1909.3	19193		3	3	23.05
				6	0	22.16
				1	0	23.37
				1	3	23.38
				1	5	23.47
				3	0	22.82
			3	1	22.86	
			3	3	22.86	
			6	0	22.13	
			1	0	23.76	
			1	3	23.75	
			1	5	23.81	
			3	0	22.90	
			3	1	22.86	
			3	3	22.94	
			6	0	22.10	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1850.7	18607	1.4	1	0	22.16
				1	3	22.14
				1	5	22.14
				3	0	22.14
				3	1	22.14
				3	3	22.13
				6	0	22.13
	1880	18900		1	0	22.12
				1	3	22.12
				1	5	22.13
				3	0	22.12
				3	1	22.00
				3	3	21.99
				6	0	21.98
	1909.3	19193		1	0	22.10
				1	3	22.09
				1	5	22.09
				3	0	22.08
				3	1	22.07
				3	3	22.14
				6	0	22.06

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	18615	3	1	0	24.01
				1	8	23.84
				1	14	23.90
				8	0	23.14
				8	4	22.91
				8	7	22.91
	15	0		23.04		
	1880	18900		1	0	23.92
				1	8	24.00
				1	14	23.93
				8	0	22.93
				8	4	22.90
				8	7	22.90
	1908.5	19185		15	0	22.81
				1	0	24.08
				1	8	24.01
				1	14	24.00
				8	0	22.97
8			4	22.97		
16QAM	1851.5	18615	8	7	22.97	
			15	0	23.07	
			1	0	23.29	
			1	8	23.18	
			1	14	23.18	
			8	0	22.43	
	1880	18900	8	4	22.31	
			8	7	22.31	
			15	0	22.21	
			1	0	23.00	
			1	8	23.15	
			1	14	23.15	
	1908.5	19185	8	0	21.99	
			8	4	21.96	
			8	7	22.01	
			15	0	21.94	
			1	0	22.66	
			1	8	22.61	
			1	14	22.62	
			8	0	22.17	
			8	4	22.21	
			8	7	22.20	
			15	0	22.14	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1851.5	18615	3	1	0	22.21
				1	8	22.21
				1	14	22.20
				8	0	22.21
				8	4	22.20
				8	7	22.20
				15	0	22.19
	1880	18900		1	0	21.95
				1	8	21.93
				1	14	21.94
				8	0	21.93
				8	4	21.94
				8	7	21.93
				15	0	21.87
	1908.5	19185		1	0	22.14
				1	8	22.14
				1	14	22.14
				8	0	22.14
				8	4	22.03
				8	7	22.04
				15	0	22.04

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	18625	5	1	0	23.94
				1	12	23.92
				1	24	23.90
				12	0	23.08
				12	7	22.94
				12	13	22.94
	25	0		22.90		
	1	0		23.83		
	1	12		24.05		
	1	24		24.06		
	12	0		22.92		
	12	7		22.84		
	12	13		22.84		
	25	0		22.90		
	1	0		23.89		
	1	12		23.91		
	1	24		23.89		
	16QAM	1852.5		18625	5	12
12			7			23.03
12			13			23.03
25			0			22.97
1			0			22.40
1			12			22.17
1		24	22.17			
12		0	22.18			
12		7	21.96			
12		13	22.10			
25		0	22.11			
1		0	22.90			
1		12	23.16			
1		24	23.17			
12		0	21.93			
12		7	21.98			
12		13	22.04			
25		0	22.00			
1	0	22.97				
1	12	22.97				
1	24	23.09				
12	0	22.08				
12	7	22.07				
12	13	22.07				
25	0	22.15				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1852.5	18625	5	1	0	22.21
				1	12	22.21
				1	24	22.22
				12	0	22.23
				12	7	22.12
				12	13	22.21
				25	0	22.13
	1880	18900		1	0	22.00
				1	12	22.00
				1	24	22.00
				12	0	22.00
				12	7	22.00
				12	13	22.00
				25	0	22.00
	1907.5	19175		1	0	22.16
				1	12	22.16
				1	24	22.16
				12	0	22.16
				12	7	22.05
				12	13	22.05
				25	0	22.05

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1880	18900	10	1	0	23.63
				1	25	23.91
				1	49	23.90
				25	0	22.80
				25	12	23.03
				25	25	23.03
	1905	19150		50	0	22.85
				1	0	24.04
				1	25	24.02
				1	49	24.11
				25	0	22.99
				25	12	23.04
				25	25	23.10
				50	0	23.06
16QAM	1855	18650	1	0	22.66	
			1	25	22.42	
			1	49	22.38	
			25	0	22.15	
			25	12	22.15	
			25	25	22.14	
	1880	18900	50	0	22.13	
			1	0	22.96	
			1	25	23.24	
			1	49	23.40	
			25	0	21.88	
			25	12	22.08	
	1905	19150	25	25	22.08	
			50	0	21.98	
			1	0	23.73	
			1	25	23.73	
			1	49	23.72	
			25	0	22.16	
25	12	22.16				
25	25	22.17				
50	0	22.11				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1855	18650	10	1	0	22.11
				1	25	22.10
				1	49	22.10
				25	0	22.09
				25	12	22.09
				25	25	22.08
				50	0	22.07
	1880	18900		1	0	21.98
				1	25	21.98
				1	49	21.98
				25	0	21.98
				25	12	21.99
				25	25	21.99
				50	0	21.98
	1905	19150		1	0	22.12
				1	25	22.11
				1	49	22.11
				25	0	22.12
				25	12	22.12
				25	25	22.12
				50	0	22.12

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1880	18900	15	1	0	23.65
				1	37	23.83
				1	74	23.82
				36	0	22.79
				36	29	22.93
				36	30	22.93
				75	0	22.92
	1902.5	19125		1	0	24.03
				1	37	24.01
				1	74	23.98
				36	0	23.03
				36	29	23.04
				36	30	23.04
				75	0	22.90
16QAM	1857.5	18675	1	0	23.41	
			1	37	23.32	
			1	74	23.29	
			36	0	22.15	
			36	29	21.93	
			36	30	22.04	
			75	0	22.04	
	1880	18900	1	0	22.90	
			1	37	23.16	
			1	74	23.10	
			36	0	22.00	
			36	29	22.01	
			36	30	22.01	
			75	0	21.99	
1902.5	19125	1	0	23.74		
		1	37	23.73		
		1	74	23.21		
		36	0	22.11		
		36	29	22.11		
		36	30	22.12		
		75	0	22.13		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1857.5	18675	15	1	0	22.03
				1	37	22.02
				1	74	22.01
				36	0	22.02
				36	29	22.01
				36	30	22.00
				75	0	22.01
	1880	18900		1	0	21.84
				1	37	21.91
				1	74	22.04
				36	0	21.91
				36	29	21.91
				36	30	21.95
				75	0	21.96
	1902.5	19125		1	0	22.13
				1	37	22.14
				1	74	22.14
				36	0	22.14
				36	29	22.14
				36	30	22.14
				75	0	22.14

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	18700	20	1	0	24.23
				1	49	23.82
				1	99	23.81
				50	0	23.07
				50	24	22.72
				50	50	22.73
	100	0		22.92		
	1	0		23.87		
	1	49		24.17		
	1	99		24.20		
	50	0		22.70		
	50	24		22.95		
	50	50		22.95		
	100	0		22.87		
	1	0		24.07		
	1	49		24.04		
	1	99		24.01		
	50	0		23.05		
50	24	22.92				
50	50	22.93				
100	0	22.98				
16QAM	1860	18700	20	1	0	23.27
				1	49	22.91
				1	99	22.91
				50	0	22.15
				50	24	21.86
				50	50	21.94
	100	0		21.96		
	1	0		22.75		
	1	49		23.06		
	1	99		23.06		
	50	0		21.81		
	50	24		22.14		
	50	50		22.14		
	100	0		21.87		
	1	0		23.72		
	1	49		23.74		
	1	99		23.70		
	50	0		22.14		
50	24	22.12				
50	50	22.13				
100	0	22.07				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1860	18700	20	1	0	21.96
				1	49	21.96
				1	99	21.95
				50	0	21.96
				50	24	21.96
				50	50	21.96
				100	0	21.96
	1880	18900		1	0	21.94
				1	49	21.87
				1	99	22.20
				50	0	21.87
				50	24	21.88
				50	50	21.98
				100	0	21.88
	1900	19100		1	0	22.08
				1	49	22.08
				1	99	22.08
				50	0	22.08
				50	24	22.09
				50	50	22.09
				100	0	22.08

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	1.094	Fig.2	1.088	Fig.3
	1880	18900		6	0	1.088	Fig.4	1.082	Fig.5	1.082	Fig.6
	1909.3	19193		6	0	1.082	Fig.7	1.082	Fig.8	1.082	Fig.9
	1851.5	18615	3	15	0	2.683	Fig.10	2.696	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	2.696	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	13.415	Fig.37	13.415	Fig.38	13.480	Fig.39
	1880	18900		75	0	13.415	Fig.40	13.480	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	17.887	Fig.48
	1880	18900		100	0	17.974	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

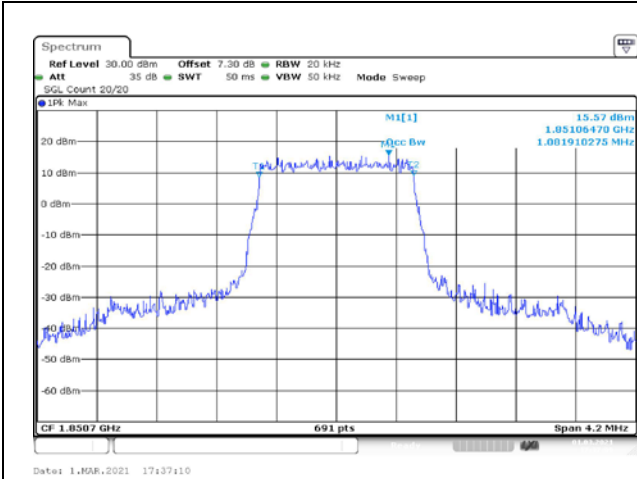


Fig.1

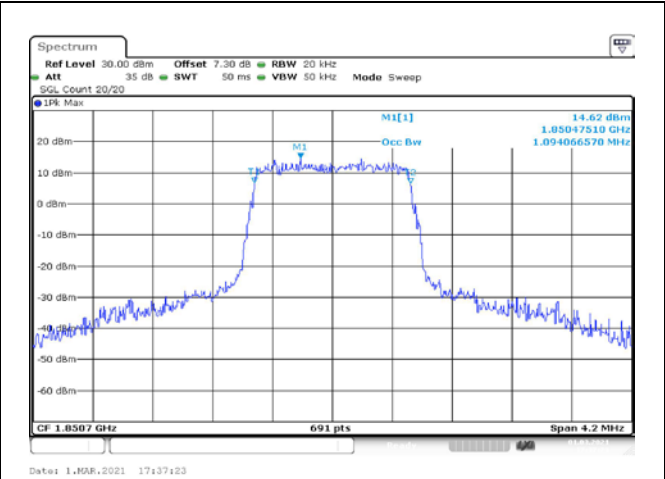


Fig.2

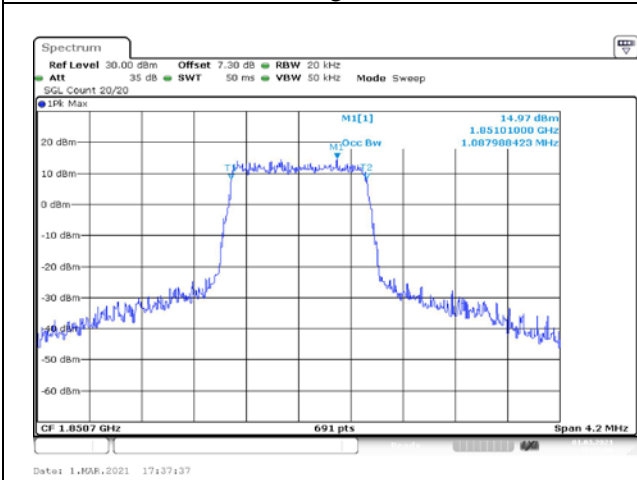


Fig.3

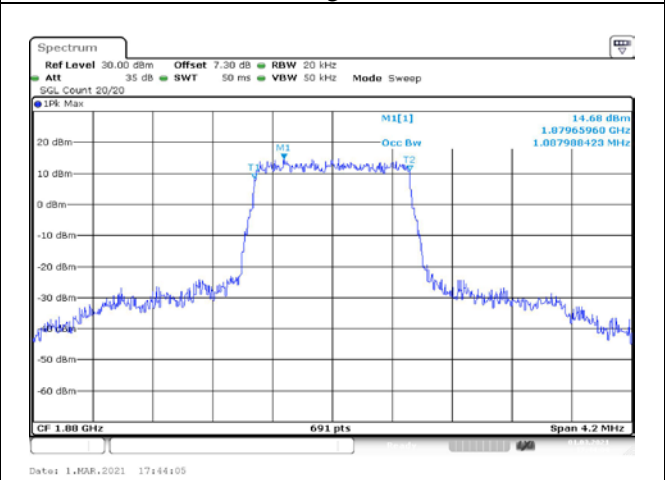


Fig.4

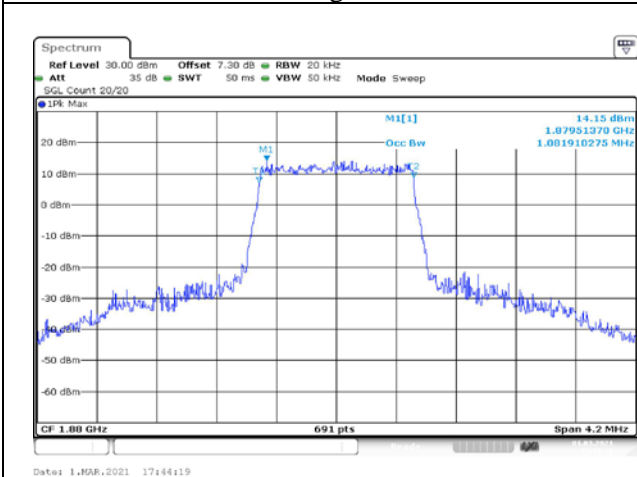


Fig.5

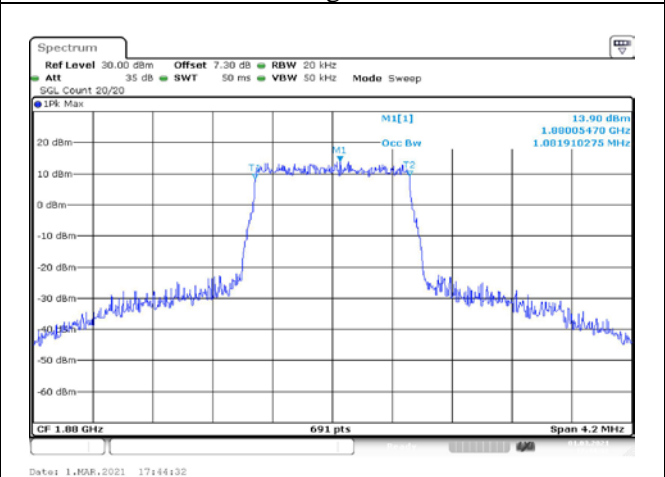


Fig.6

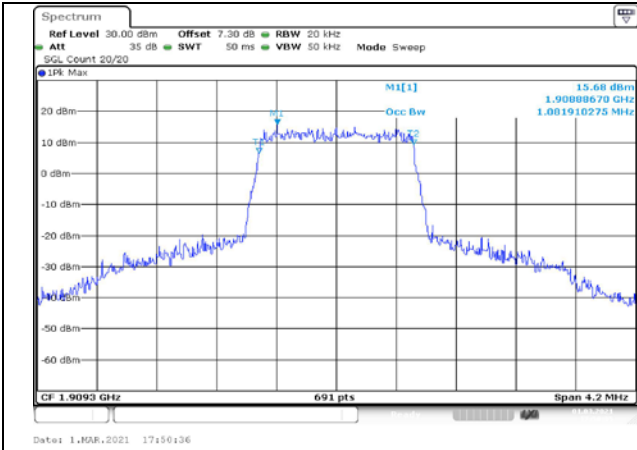


Fig.7

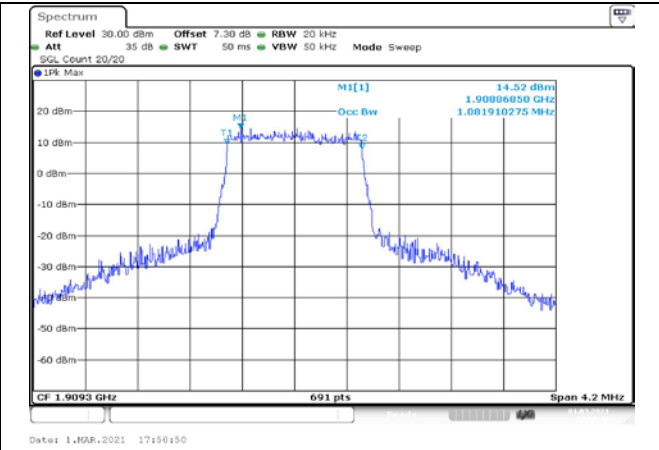


Fig.8

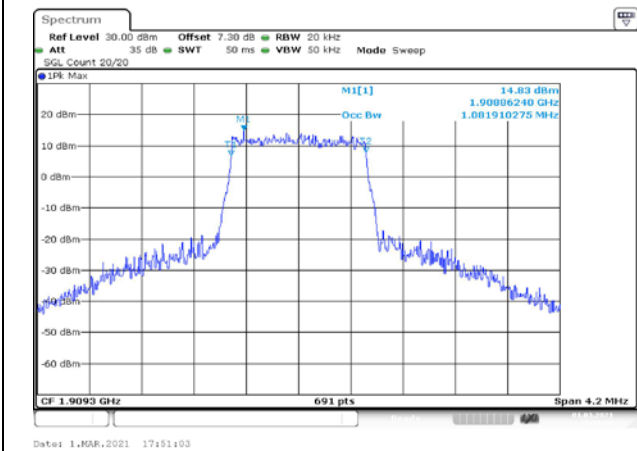


Fig.9

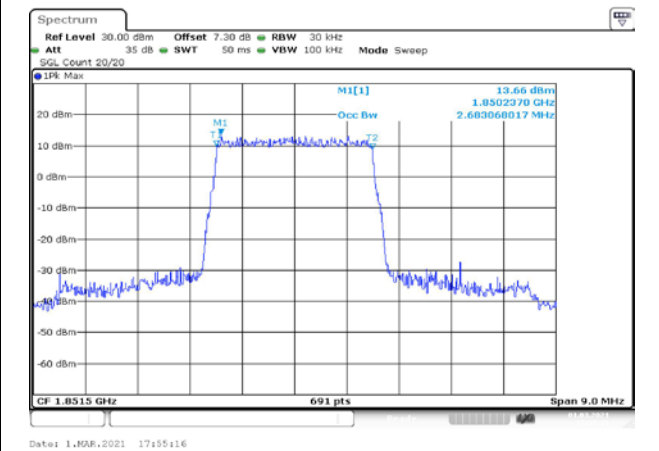


Fig.10

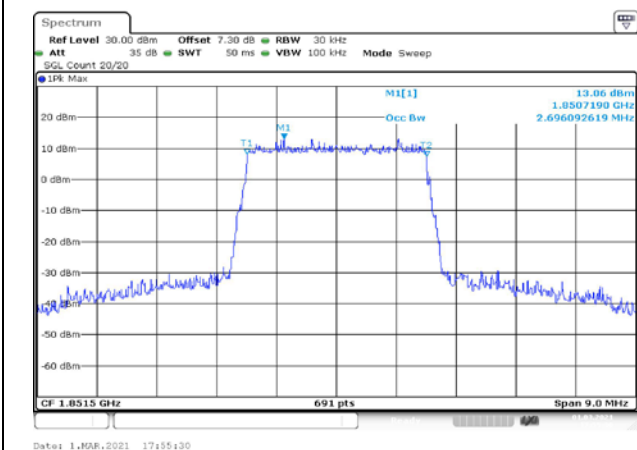


Fig.11

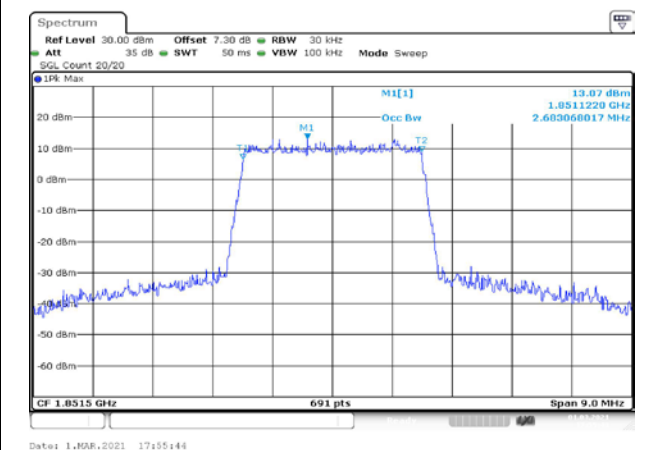


Fig.12

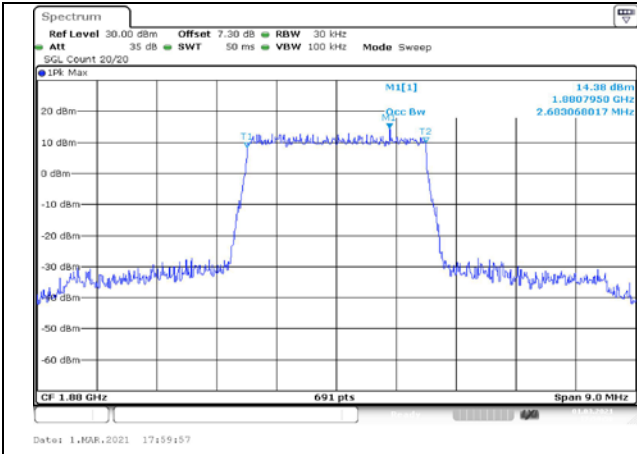


Fig.13

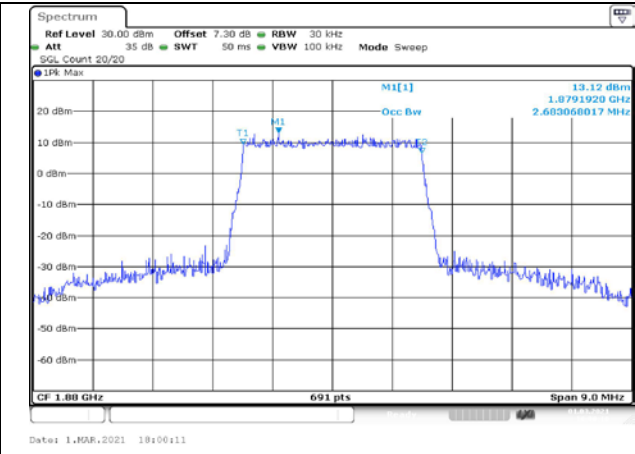


Fig.14

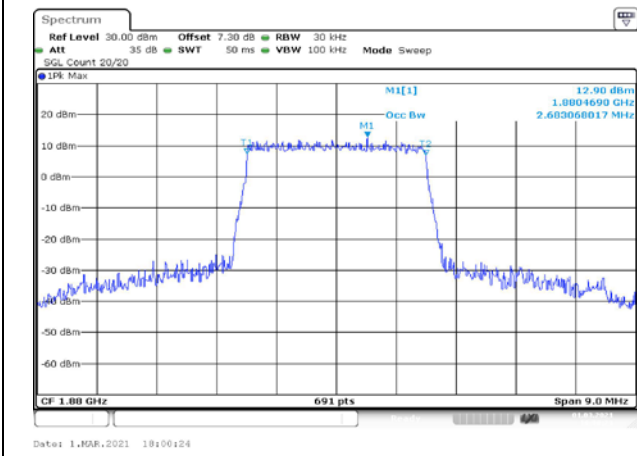


Fig.15

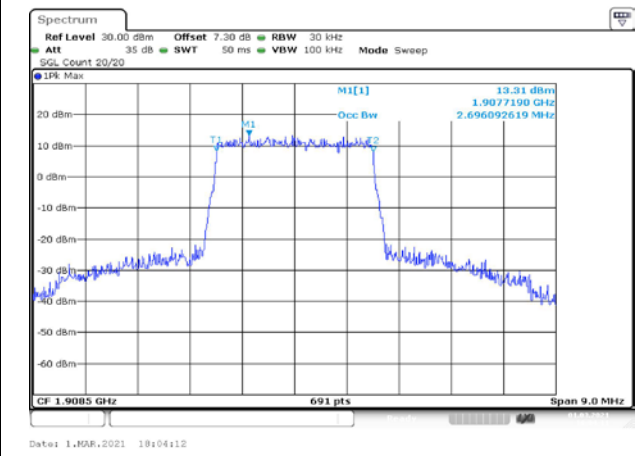


Fig.16

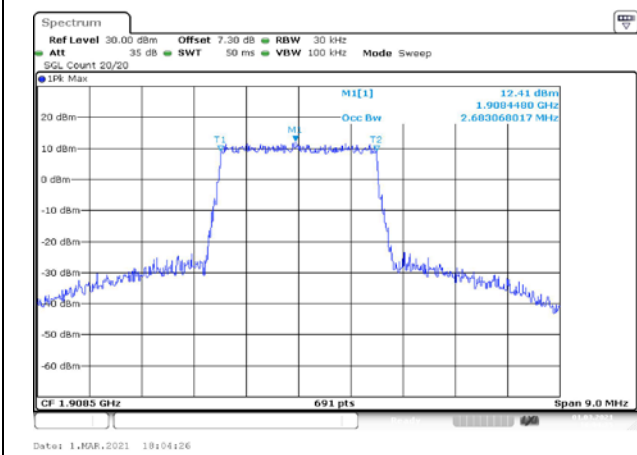


Fig.17

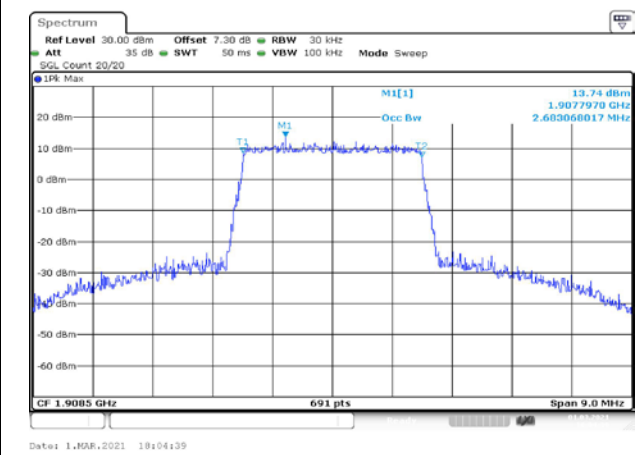


Fig.18

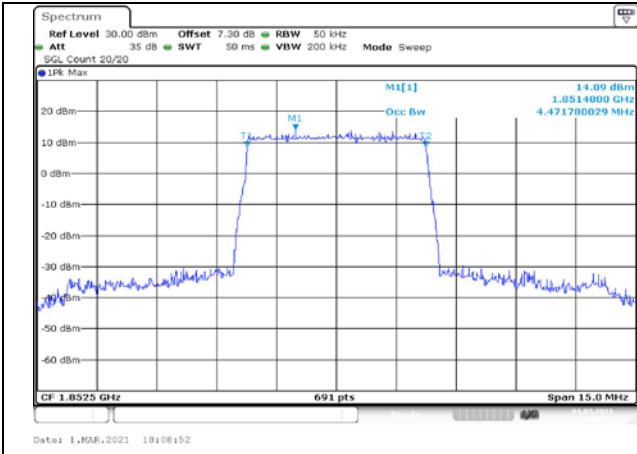


Fig.19

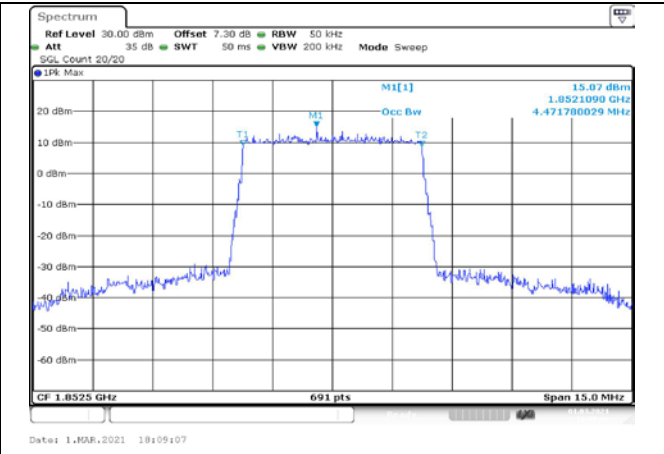


Fig.20

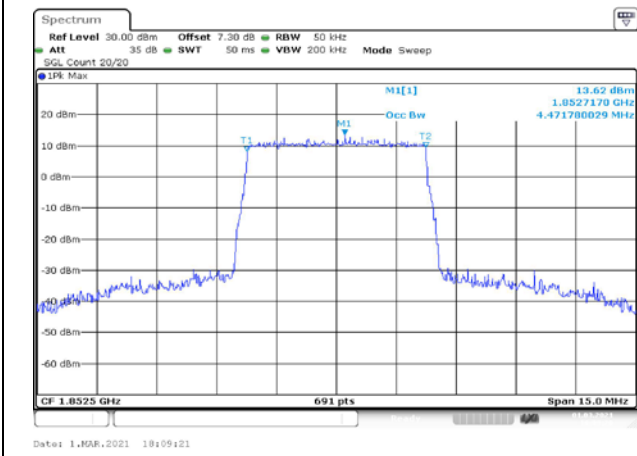


Fig.21

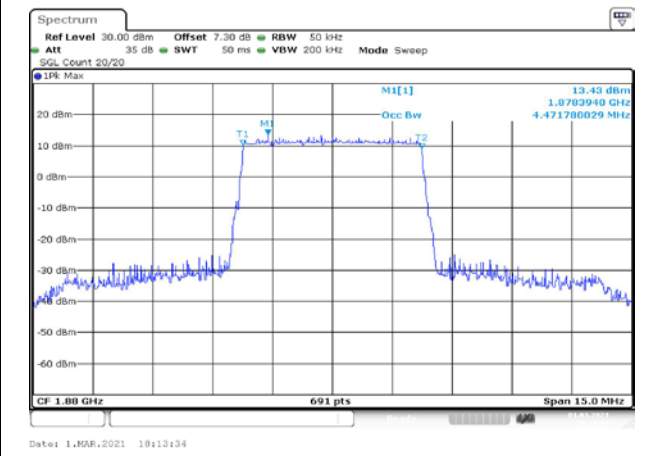


Fig.22

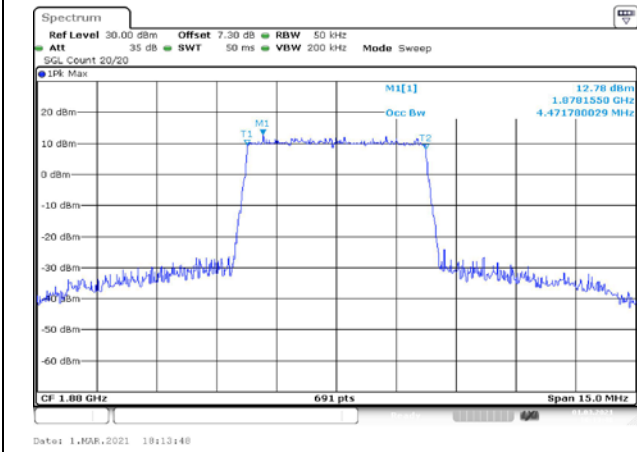


Fig.23

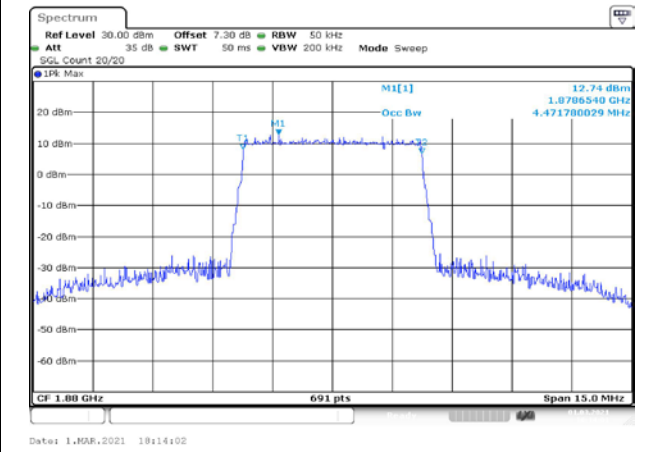


Fig.24

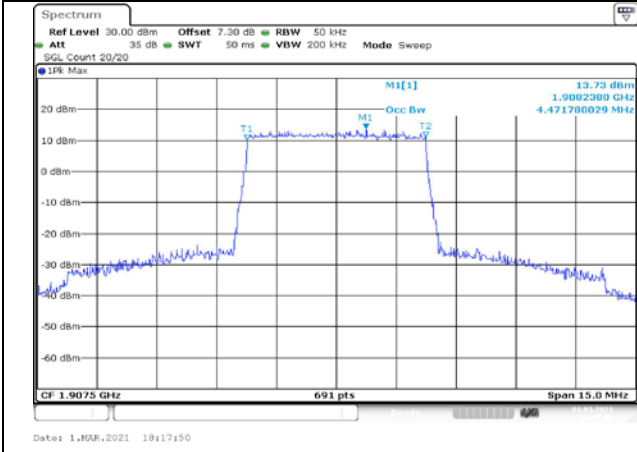


Fig.25

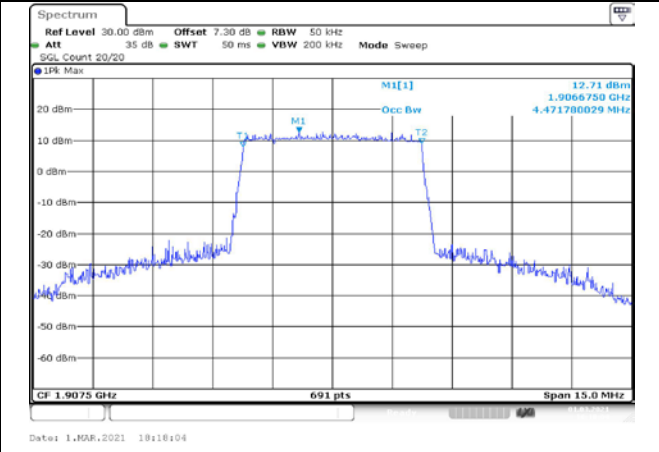


Fig.26

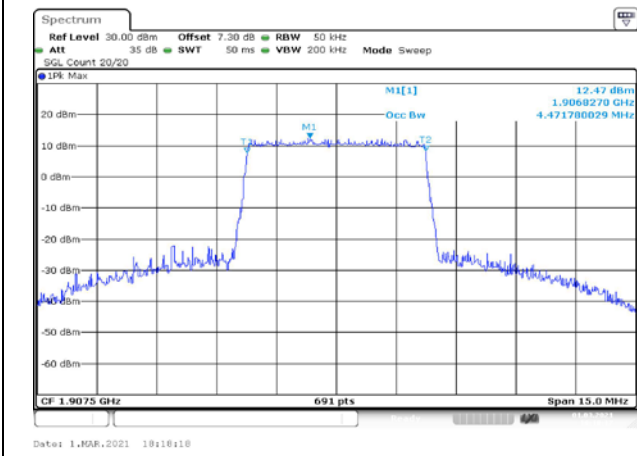


Fig.27

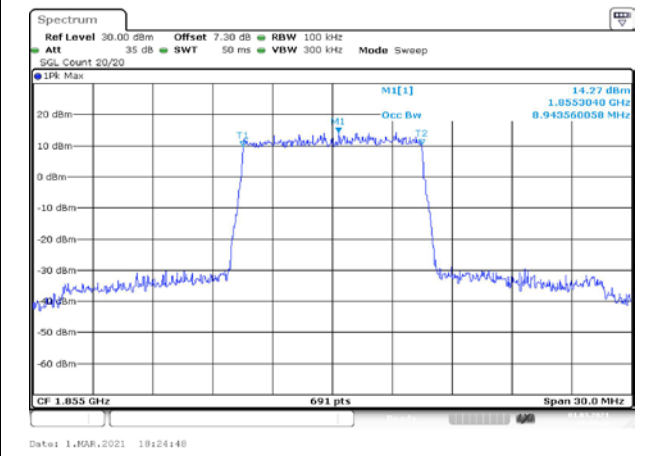


Fig.28

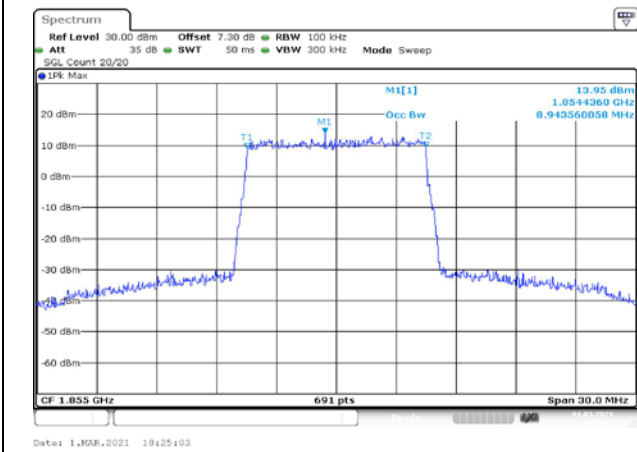


Fig.29

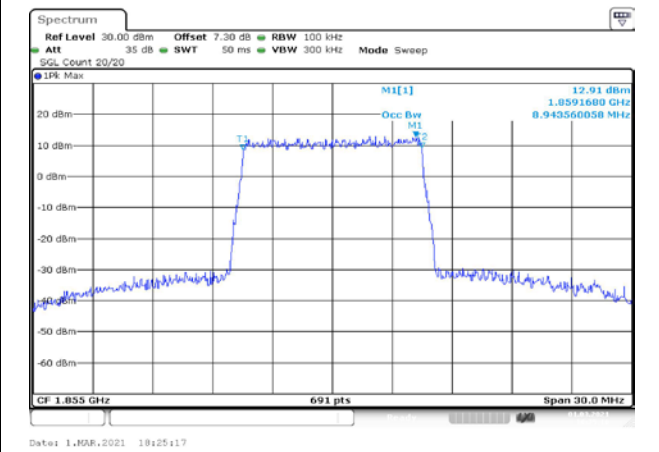


Fig.30

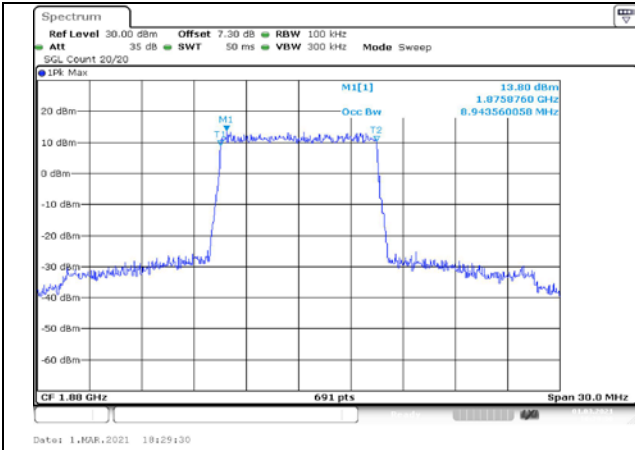


Fig.31

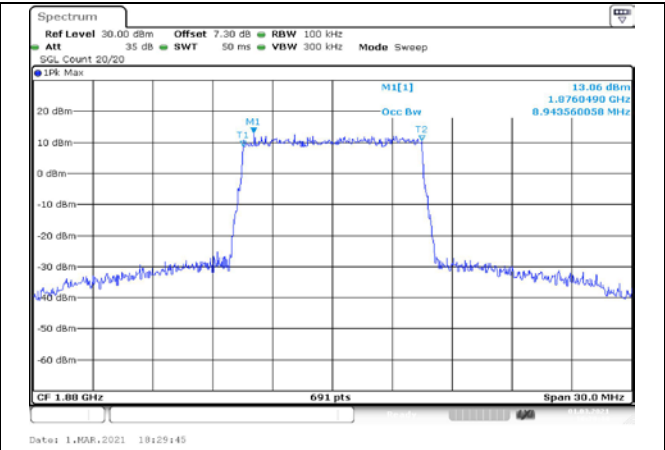


Fig.32

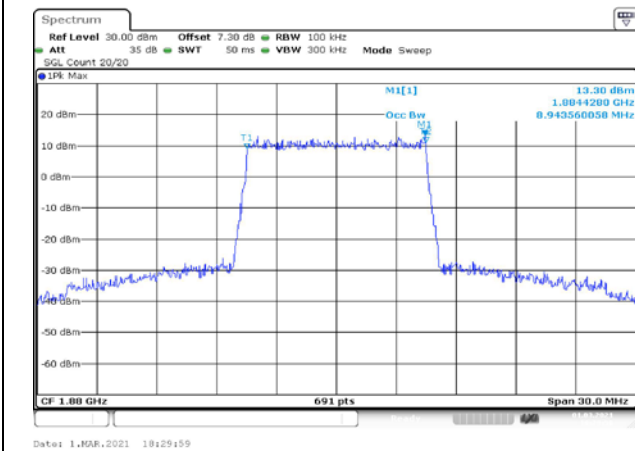


Fig.33

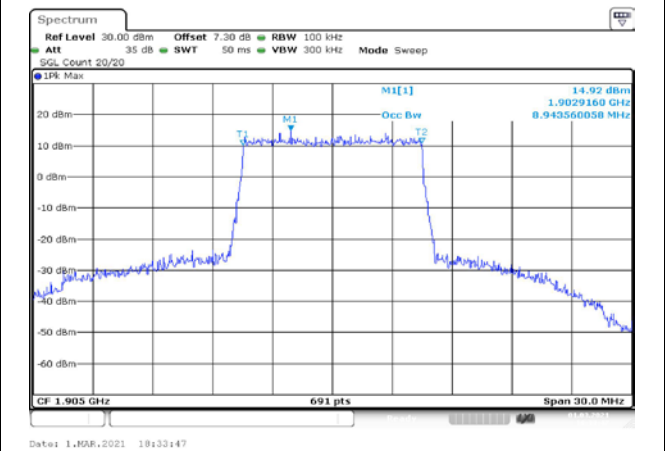


Fig.34

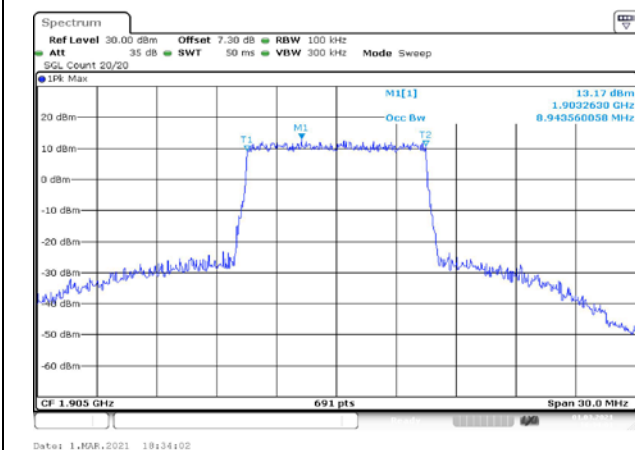


Fig.35

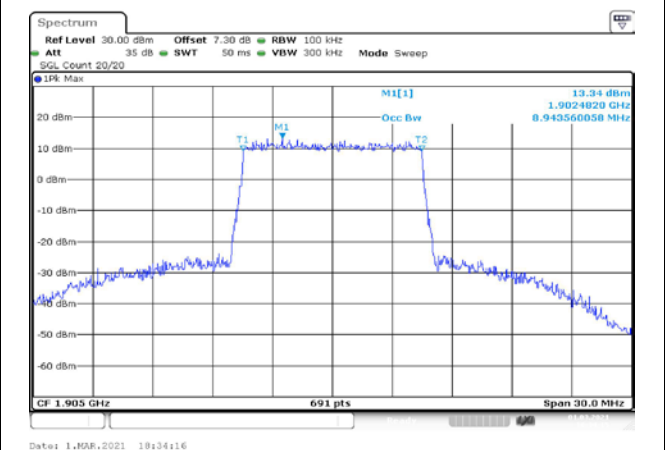


Fig.36

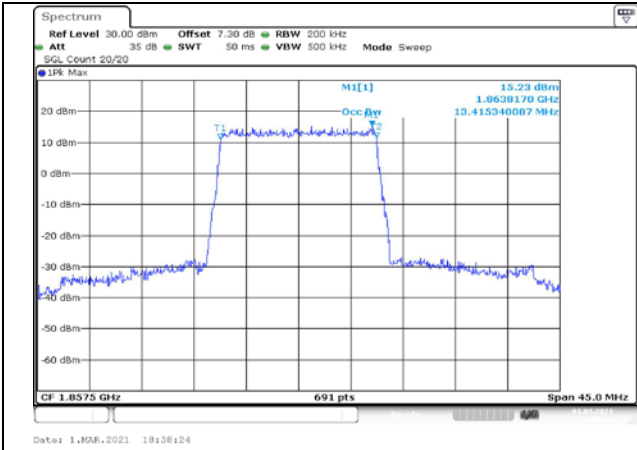


Fig.37

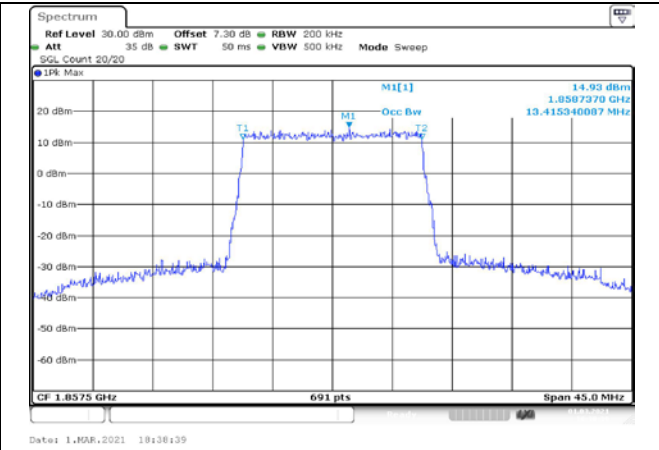


Fig.38

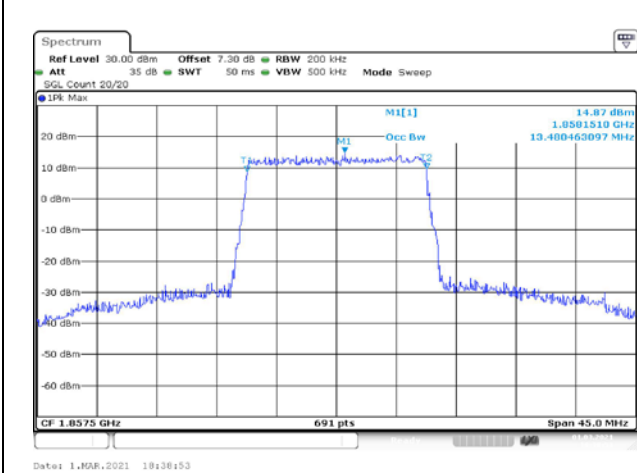


Fig.39

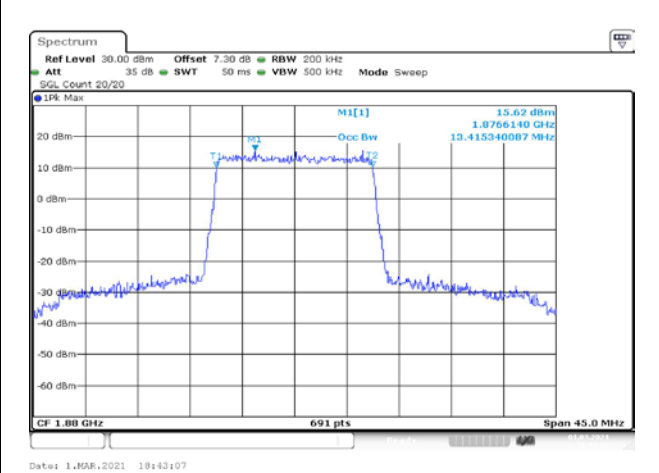


Fig.40

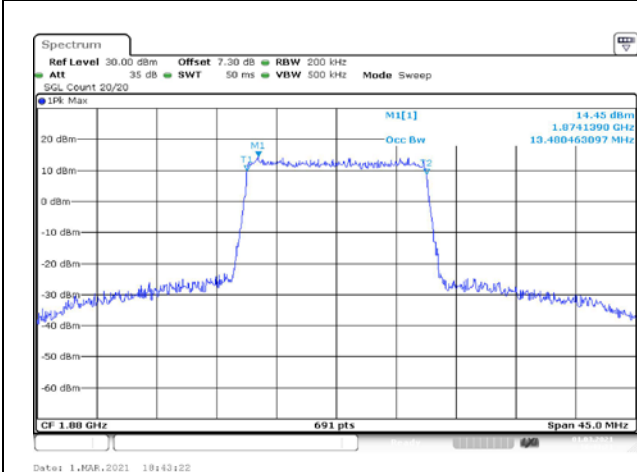


Fig.41

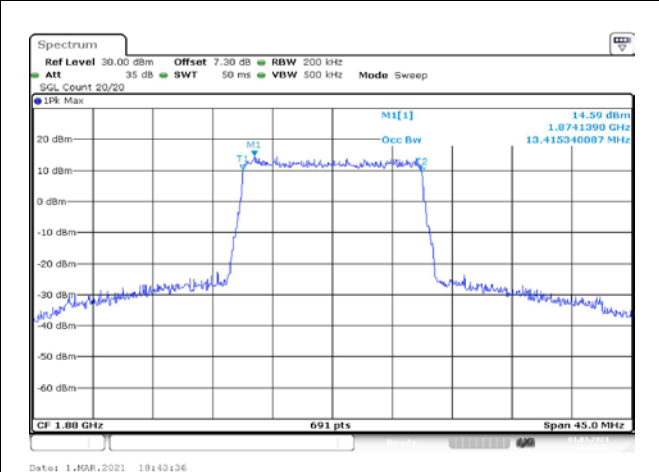


Fig.42

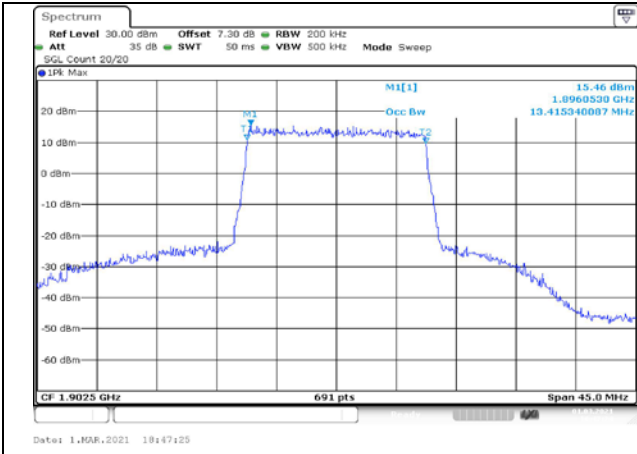


Fig.43

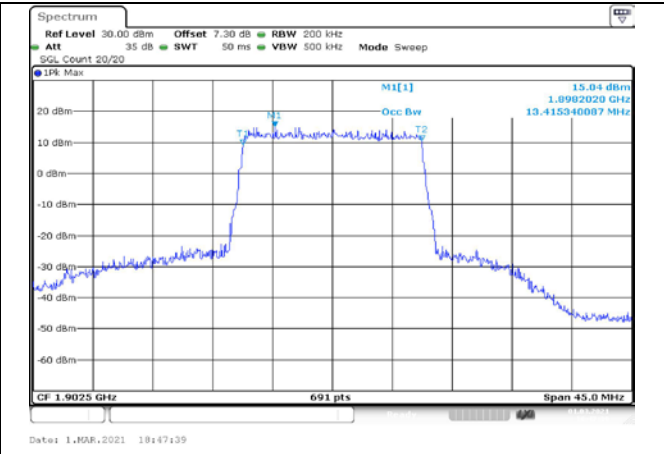


Fig.44

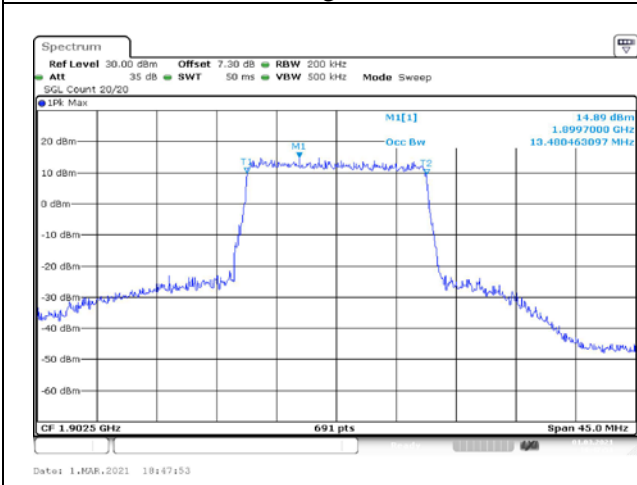


Fig.45

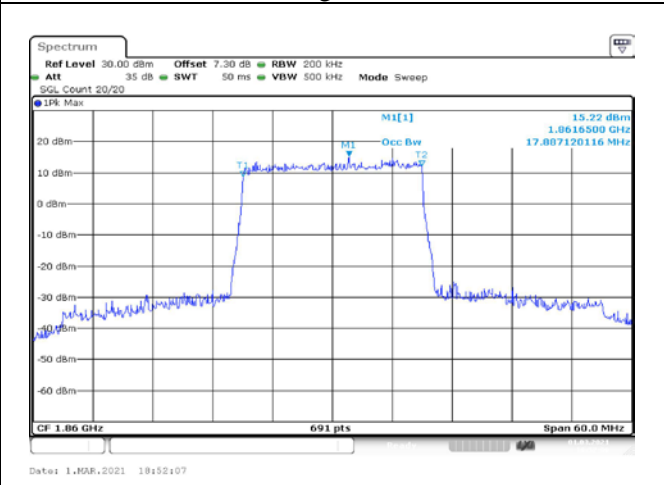


Fig.46

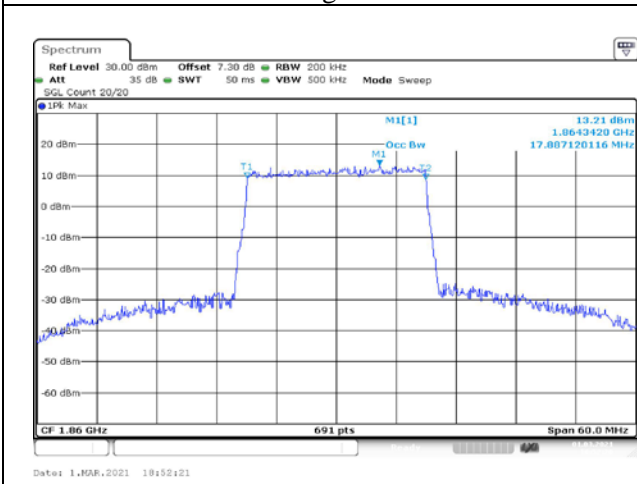


Fig.47

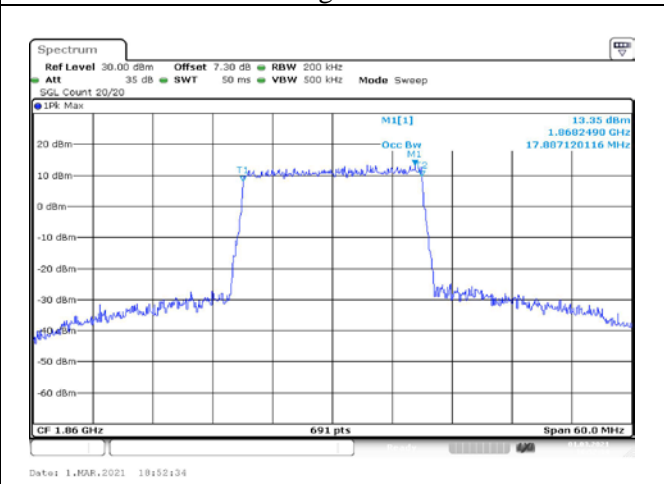


Fig.48

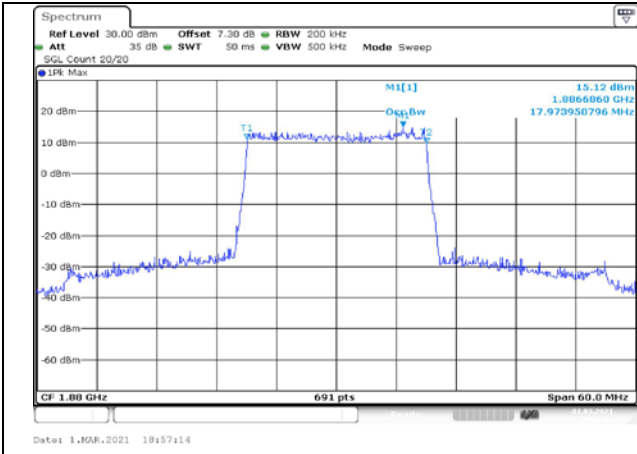


Fig.49

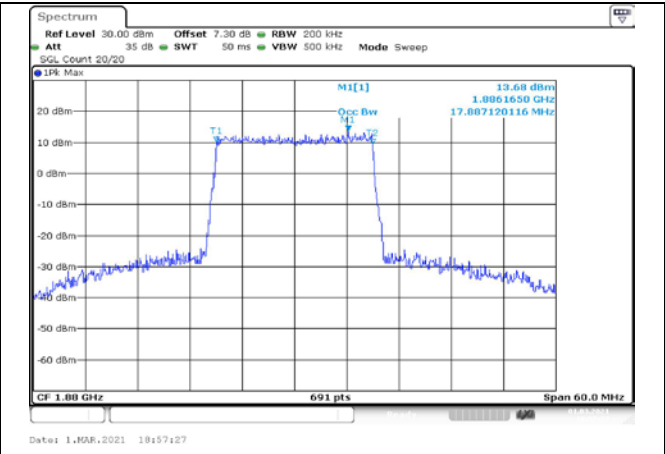


Fig.50

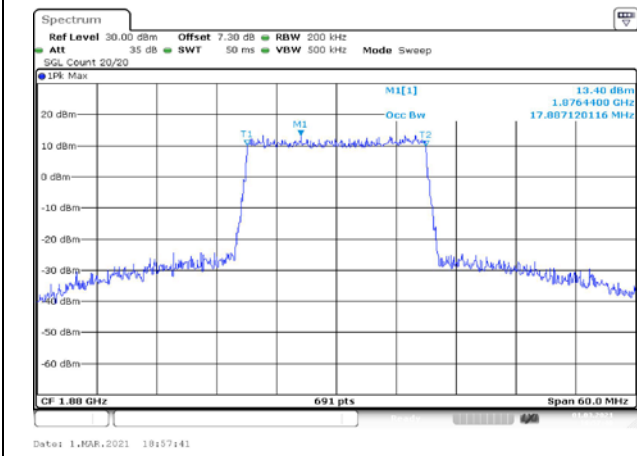


Fig.51

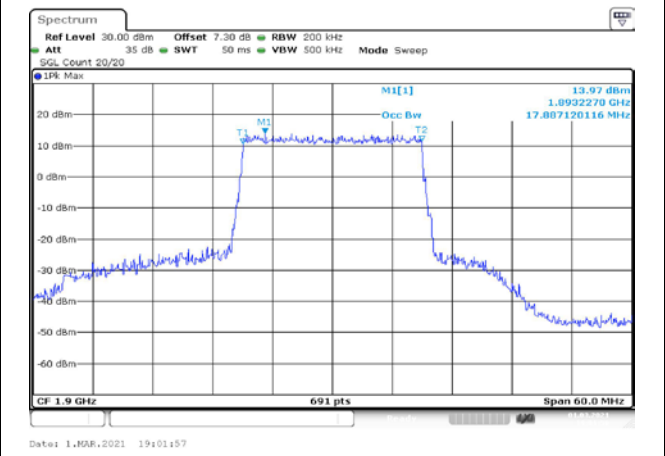


Fig.52

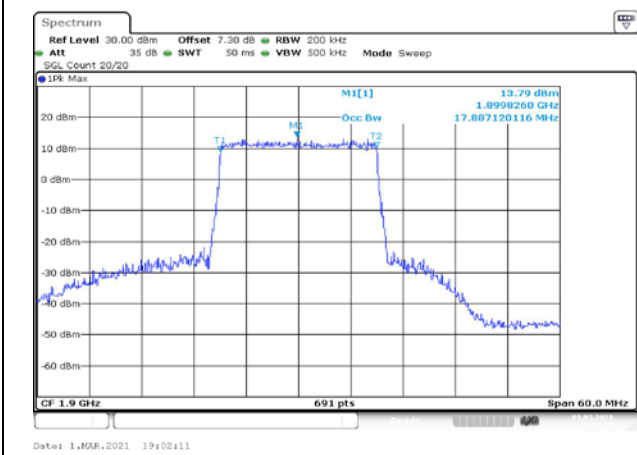


Fig.53

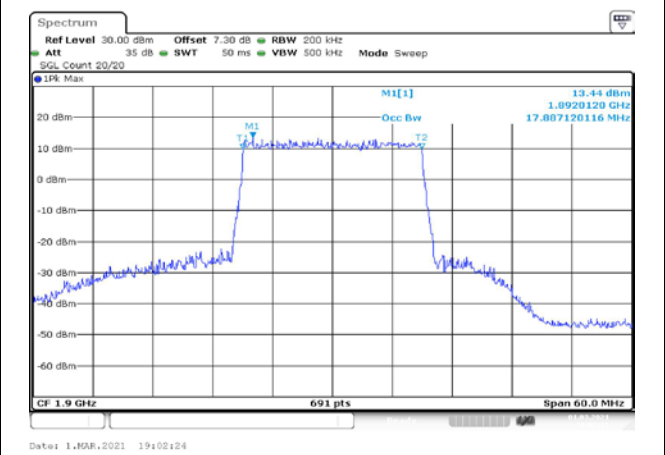


Fig.54

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	1.234	Fig.1	1.228	Fig.2	1.228	Fig.3
	1880	18900		6	0	1.228	Fig.4	1.228	Fig.5	1.228	Fig.6
	1909.3	19193		6	0	1.222	Fig.7	1.234	Fig.8	1.222	Fig.9
	1851.5	18615	3	15	0	2.983	Fig.10	2.970	Fig.11	2.970	Fig.12
	1880	18900		15	0	2.931	Fig.13	2.970	Fig.14	2.983	Fig.15
	1908.5	19185		15	0	2.996	Fig.16	2.983	Fig.17	2.996	Fig.18
	1852.5	18625	5	25	0	4.906	Fig.19	4.884	Fig.20	4.884	Fig.21
	1880	18900		25	0	4.884	Fig.22	4.906	Fig.23	4.906	Fig.24
	1907.5	19175		25	0	4.841	Fig.25	4.928	Fig.26	4.906	Fig.27
	1855	18650	10	50	0	9.725	Fig.28	9.768	Fig.29	9.768	Fig.30
	1880	18900		50	0	9.725	Fig.31	9.725	Fig.32	9.682	Fig.33
	1905	19150		50	0	9.595	Fig.34	9.725	Fig.35	9.638	Fig.36
	1857.5	18675	15	75	0	14.718	Fig.37	14.653	Fig.38	14.653	Fig.39
	1880	18900		75	0	14.783	Fig.40	14.522	Fig.41	14.718	Fig.42
	1902.5	19125		75	0	14.718	Fig.43	14.653	Fig.44	14.783	Fig.45
	1860	18700	20	100	0	19.103	Fig.46	19.276	Fig.47	19.450	Fig.48
	1880	18900		100	0	19.363	Fig.49	19.537	Fig.50	19.363	Fig.51
	1900	19100		100	0	19.537	Fig.52	19.276	Fig.53	19.190	Fig.54

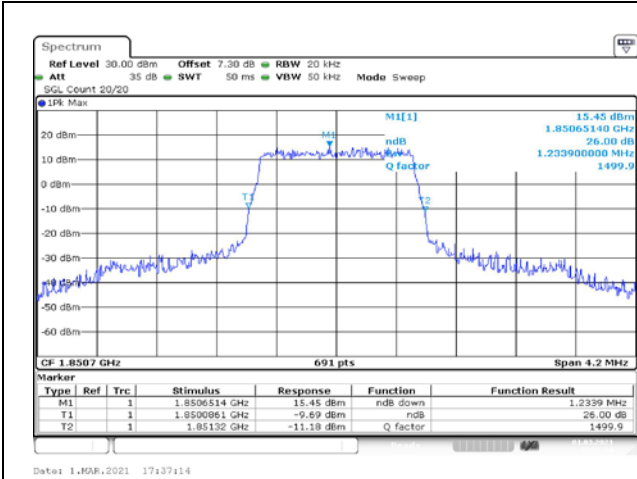


Fig.1

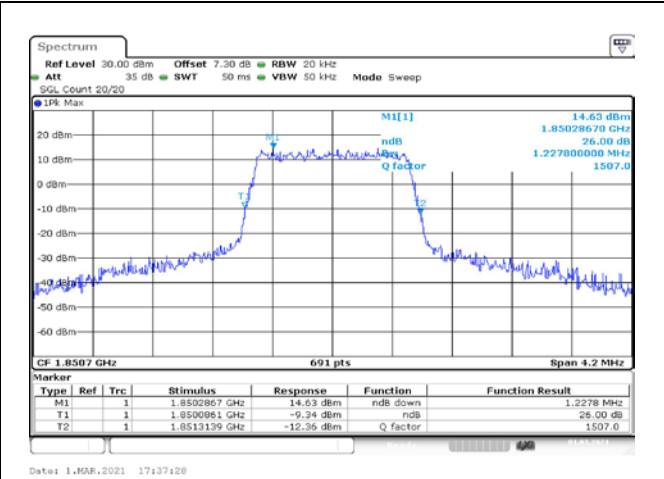


Fig.2

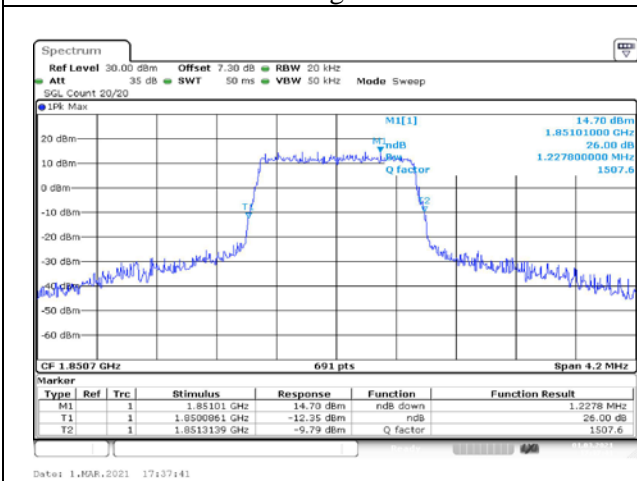


Fig.3

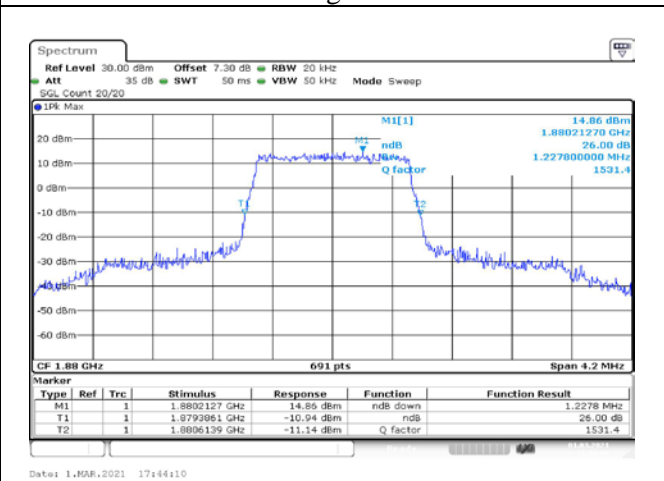


Fig.4

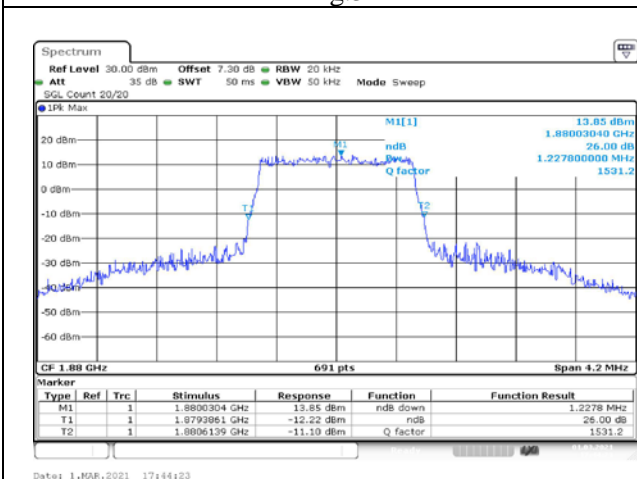


Fig.5

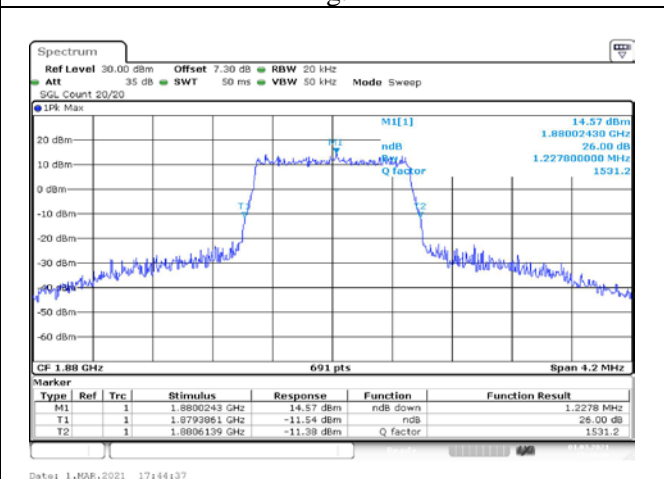


Fig.6

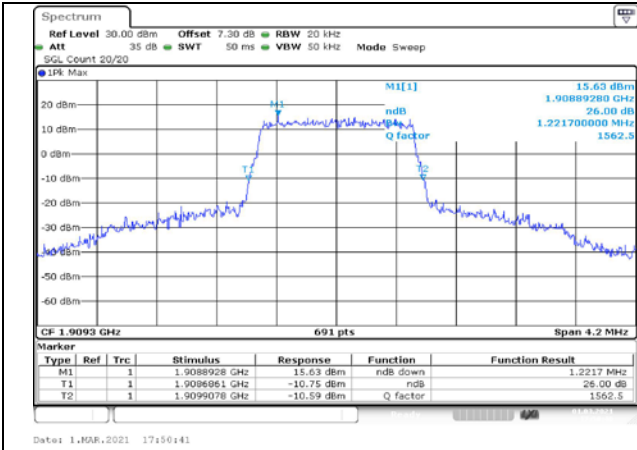


Fig.7

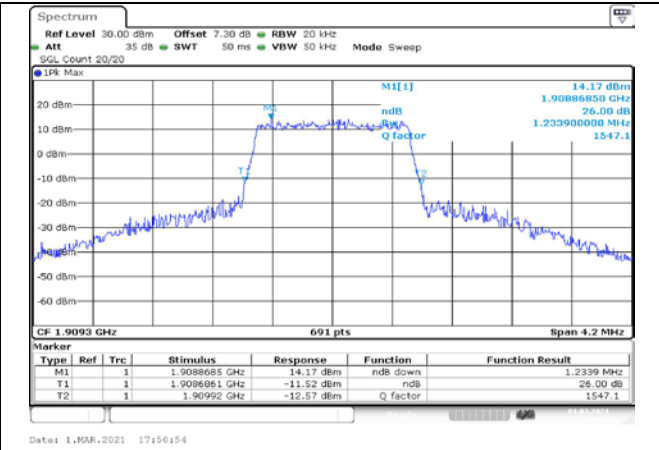


Fig.8

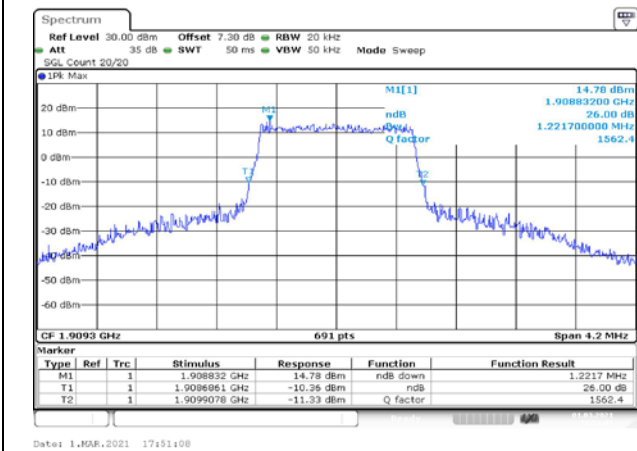


Fig.9

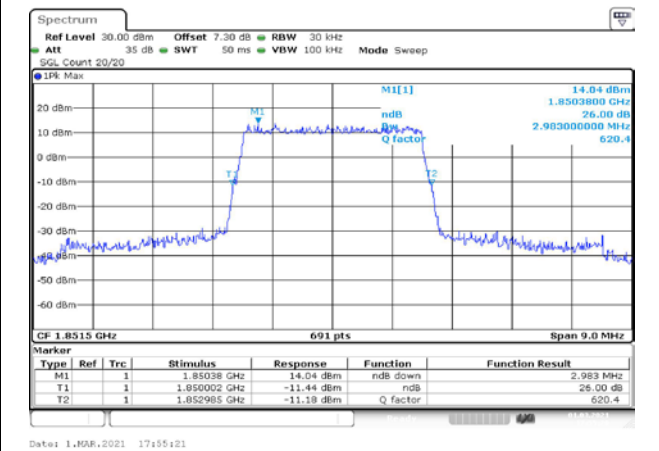


Fig.10

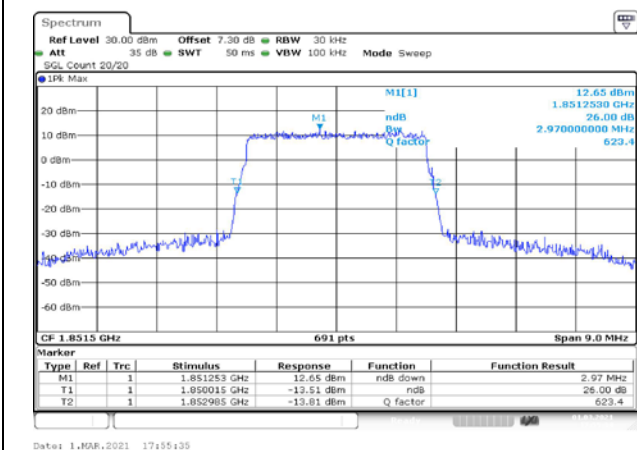


Fig.11

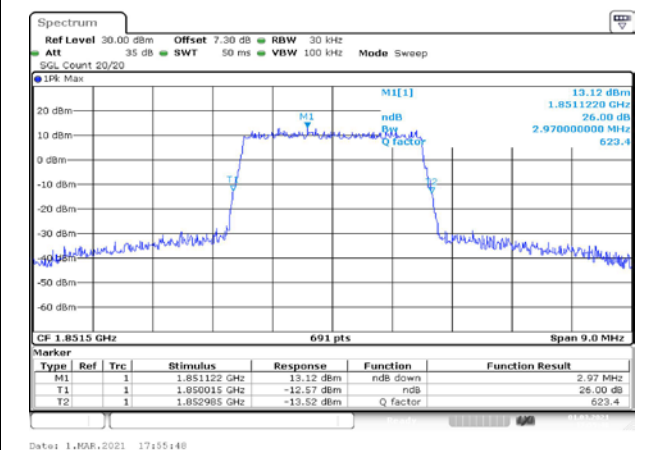


Fig.12

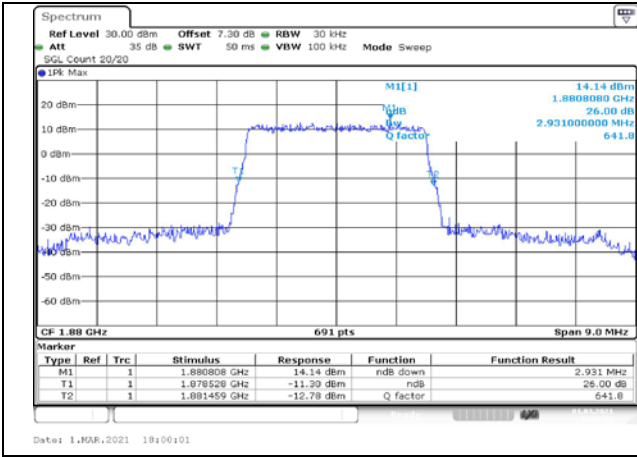


Fig.13

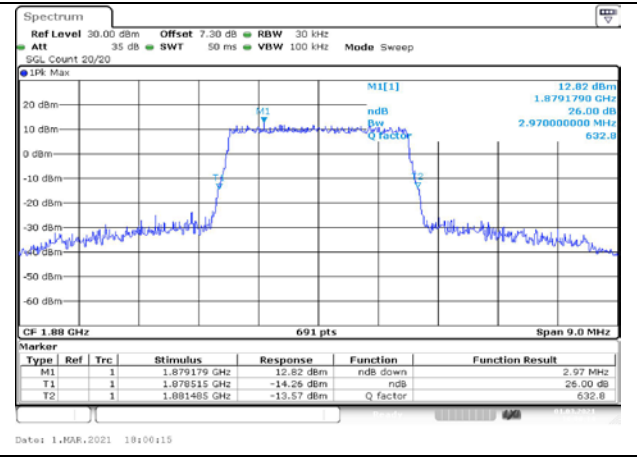


Fig.14

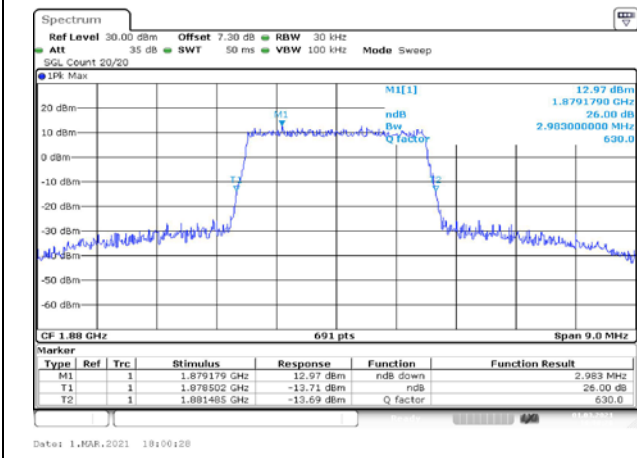


Fig.15

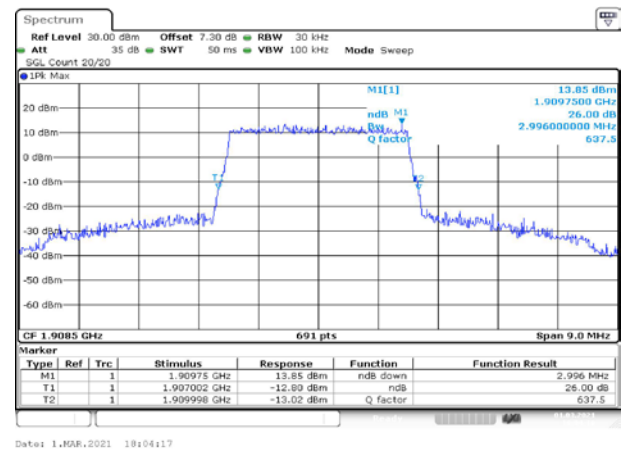


Fig.16

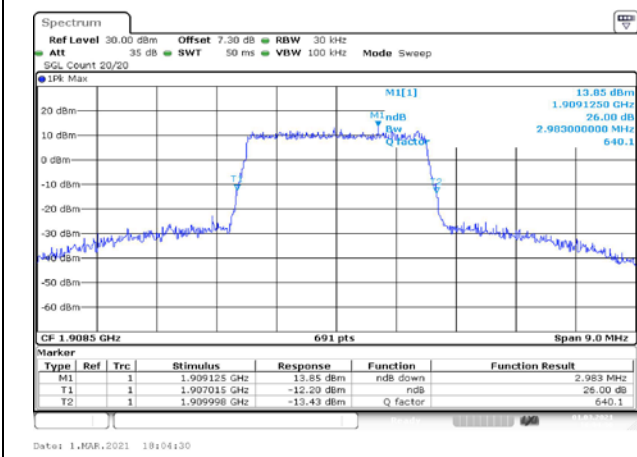


Fig.17

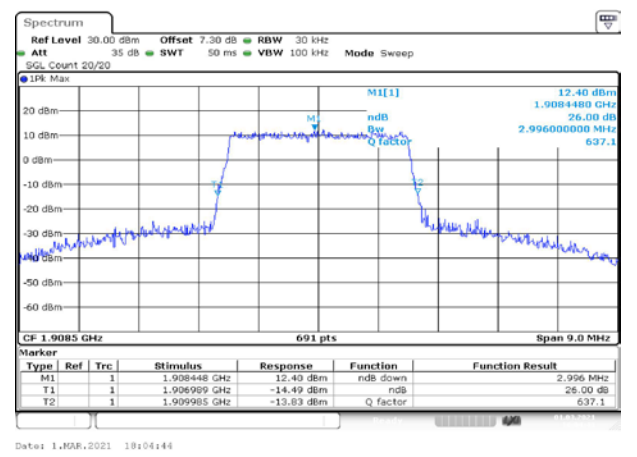


Fig.18

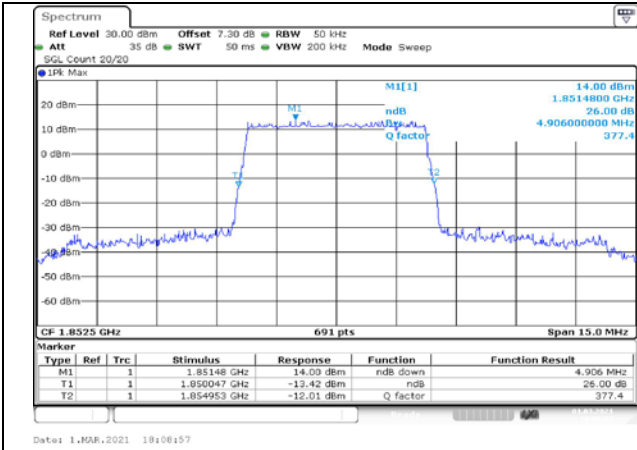


Fig.19

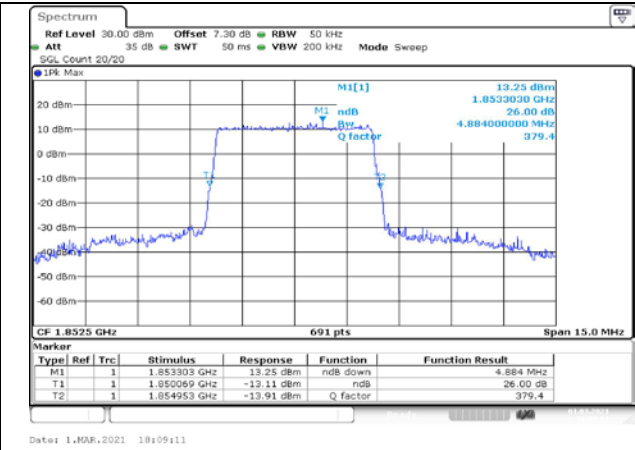


Fig.20

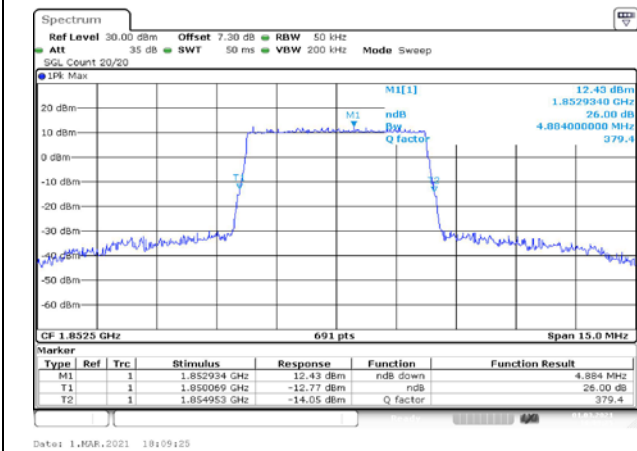


Fig.21

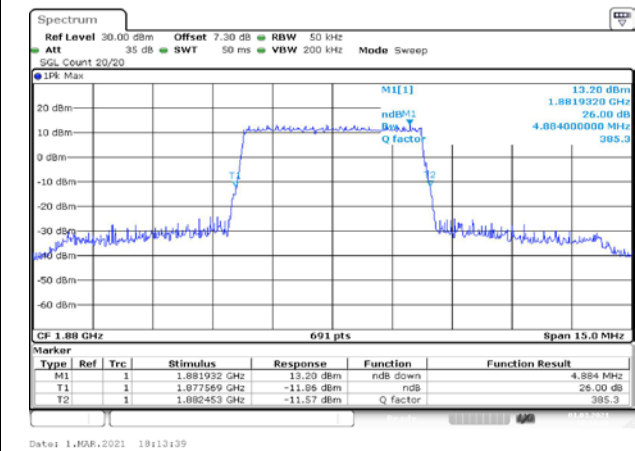


Fig.22

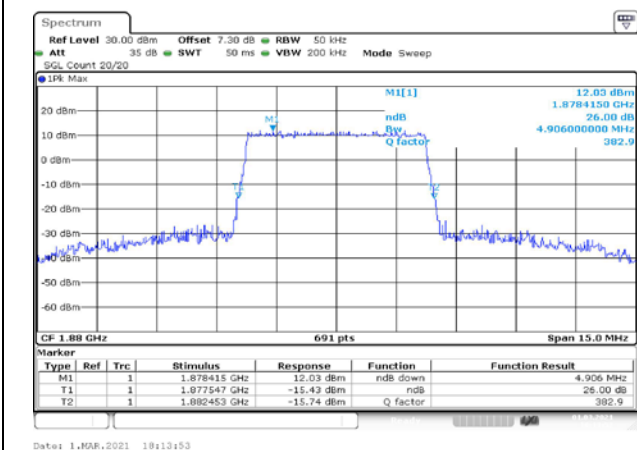


Fig.23

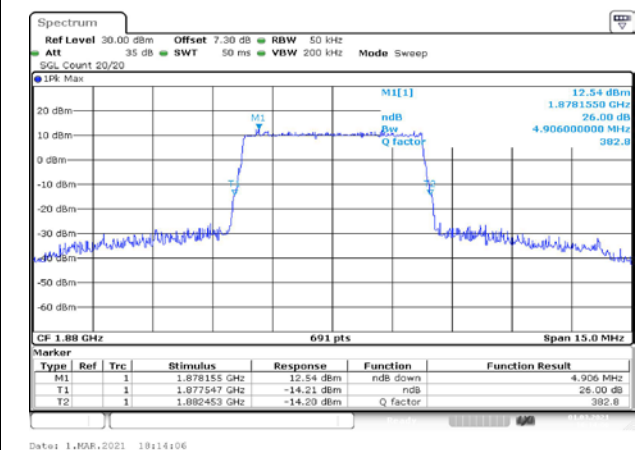


Fig.24

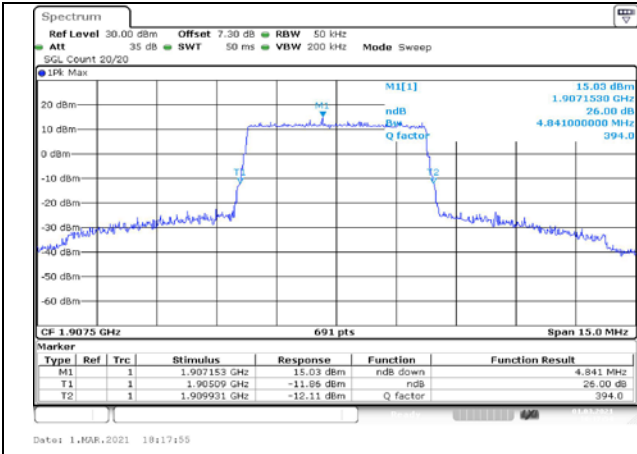


Fig.25

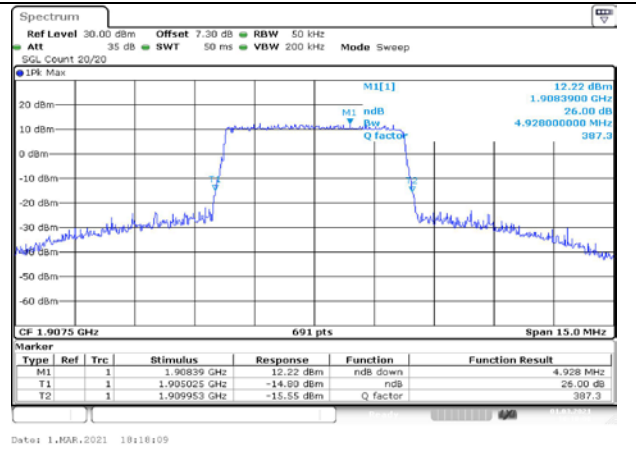


Fig.26

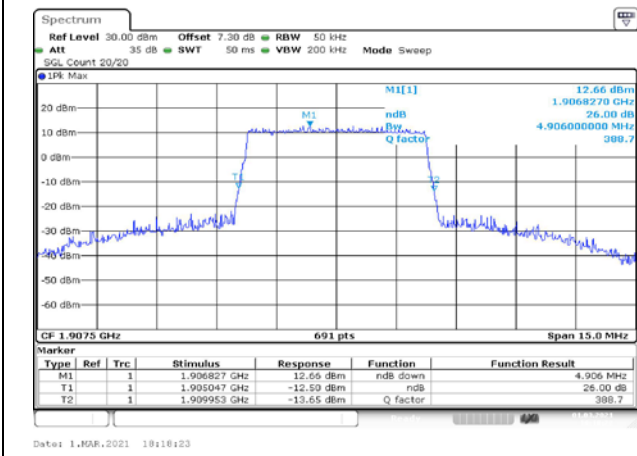


Fig.27

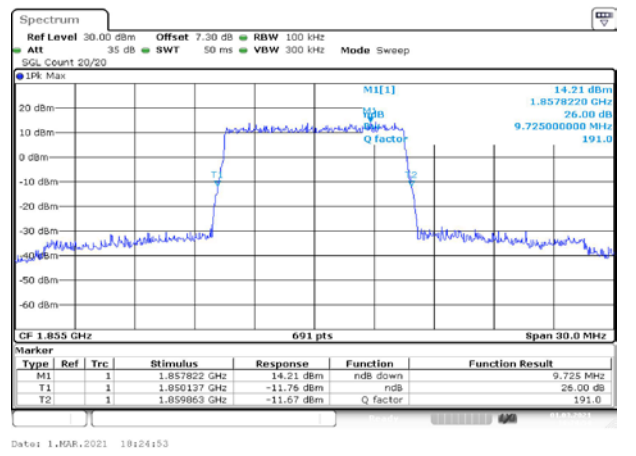


Fig.28

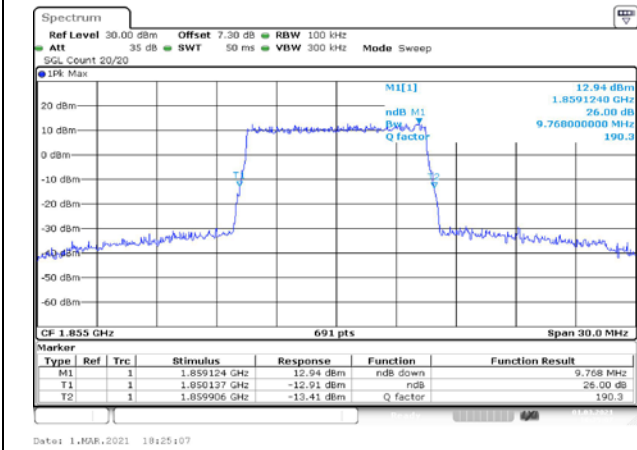


Fig.29

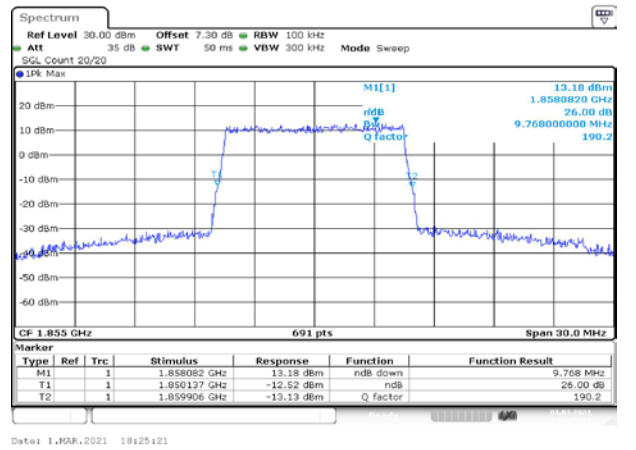


Fig.30