

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	24.59
				1	3	24.41
				1	5	24.36
				3	0	24.11
				3	1	24.14
				3	3	24.12
	6	0		23.00		
	1880	18900		1	0	23.76
				1	3	23.61
				1	5	23.60
				3	0	23.70
				3	1	23.77
				3	3	23.67
	1909.3	19193		6	0	22.67
				1	0	23.58
				1	3	23.75
				1	5	23.74
				3	0	23.72
3			1	23.94		
16QAM	1850.7	18607	3	3	23.60	
			6	0	22.61	
			1	0	23.30	
			1	3	23.34	
			1	5	23.32	
			3	0	23.30	
	1880	18900	3	1	23.14	
			3	3	23.13	
			6	0	21.98	
			1	0	23.50	
			1	3	23.49	
			1	5	23.49	
	1909.3	19193	3	0	22.78	
			3	1	22.88	
			3	3	22.25	
			6	0	21.71	
			1	0	22.81	
			1	3	22.64	
			1	5	22.64	
			3	0	22.67	
			3	1	22.58	
			3	3	22.85	
			6	0	21.64	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1850.7	18607	1.4	1	0	22.14
				1	3	22.05
				1	5	22.04
				3	0	21.95
				3	1	22.13
				3	3	22.14
	6	0		22.14		
	1880	18900		1	0	21.80
				1	3	21.71
				1	5	21.71
				3	0	21.81
				3	1	21.69
				3	3	21.69
	6	0		21.69		
	1909.3	19193		1	0	21.56
				1	3	21.65
				1	5	21.57
				3	0	21.47
				3	1	21.47
				3	3	21.48
	6	0		21.48		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	18615	3	1	0	23.91
				1	8	23.70
				1	14	23.76
				8	0	22.99
				8	4	22.96
				8	7	22.95
	15	0		22.97		
	1880.0	18900		1	0	23.85
				1	8	23.77
				1	14	23.71
				8	0	22.84
				8	4	22.81
				8	7	22.78
	15	0		22.75		
	1908.5	19185		1	0	23.72
1			8	23.95		
1			14	23.92		
8			0	22.66		
8			4	22.67		
8			7	22.67		
15	0	22.64				
16QAM	1851.5	18615	1	0	22.68	
			1	8	22.45	
			1	14	22.45	
			8	0	21.25	
			8	4	21.29	
			8	7	21.29	
	15	0	21.08			
	1880.0	18900	1	0	22.78	
			1	8	22.71	
			1	14	22.73	
			8	0	21.64	
			8	4	21.68	
			8	7	21.63	
	15	0	21.59			
	1908.5	19185	1	0	22.85	
1			8	22.88		
1			14	22.83		
8			0	21.82		
8			4	21.85		
8			7	21.85		
15	0	21.86				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1851.5	18615	3	1	0	21.99
				1	8	21.98
				1	14	22.08
				8	0	22.08
				8	4	22.08
				8	7	21.99
				15	0	22.08
	1880	18900		1	0	23.04
				1	8	23.02
				1	14	23.18
				8	0	22.88
				8	4	22.85
				8	7	22.84
				15	0	22.88
	1908.5	19185		1	0	21.76
				1	8	21.57
				1	14	21.57
				8	0	21.56
				8	4	21.56
				8	7	21.57
				15	0	21.56

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	23.60
				1	24	23.76
				12	0	22.97
				12	7	22.83
				12	13	22.83
	25	0		22.80		
	1	0		23.58		
	1	12		23.65		
	1	24		23.65		
	12	0		22.61		
	12	7		22.54		
	12	13		22.54		
	25	0		22.52		
	1	0		23.80		
	1	12		23.93		
	1	24		23.91		
	12	0		22.84		
12	7	22.72				
12	13	22.72				
25	0	22.73				
16QAM	1852.5	18625	1	0	22.44	
			1	12	22.40	
			1	24	22.41	
			12	0	21.92	
			12	7	21.89	
			12	13	21.57	
	25	0	22.05			
	1	0	22.80			
	1	12	22.80			
	1	24	22.80			
	12	0	21.54			
	12	7	21.49			
	12	13	21.59			
	25	0	21.52			
	1	0	22.63			
	1	12	22.39			
	1	24	22.39			
	12	0	21.69			
12	7	21.61				
12	13	21.61				
25	0	21.75				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1852.5	18625	5	1	0	21.93
				1	12	21.93
				1	24	22.05
				12	0	21.93
				12	7	22.04
				12	13	22.04
				25	0	22.04
	1880	18900		1	0	21.62
				1	12	21.63
				1	24	21.62
				12	0	21.62
				12	7	21.53
				12	13	21.53
				25	0	21.53
	1907.5	19175		1	0	21.75
				1	12	21.75
				1	24	21.76
				12	0	21.76
				12	7	21.76
				12	13	21.76
				25	0	21.76

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	18650	10	1	0	24.19
				1	25	23.86
				1	49	23.85
				25	0	22.95
				25	12	22.80
				25	25	22.80
	1880	18900		50	0	22.73
				1	0	23.67
				1	25	23.71
				1	49	23.92
				25	0	22.58
				25	12	22.57
	1905	19150		25	25	22.68
				50	0	22.62
				1	0	23.70
				1	25	23.67
				1	49	23.77
				25	0	22.75
16QAM	1855	18650	25	12	22.69	
			25	25	22.69	
			50	0	22.76	
			1	0	23.25	
			1	25	22.96	
			1	49	22.96	
	1880	18900	25	0	21.95	
			25	12	21.78	
			25	25	21.78	
			50	0	21.90	
			1	0	23.01	
			1	25	22.78	
	1905	19150	1	49	22.78	
			25	0	21.75	
			25	12	21.73	
			25	25	21.73	
			50	0	21.60	
			1	0	22.41	
			1	25	22.46	
			1	49	22.46	
			25	0	21.98	
			25	12	21.76	
			25	25	21.85	
			50	0	21.69	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1855	18650	10	1	0	21.90
				1	25	21.79
				1	49	21.79
				25	0	21.79
				25	12	21.90
				25	25	21.90
				50	0	21.78
	1880	18900		1	0	21.71
				1	25	21.71
				1	49	21.71
				25	0	21.51
				25	12	21.51
				25	25	21.51
				50	0	21.71
	1905	19150		1	0	21.69
				1	25	21.69
				1	49	21.69
				25	0	21.69
				25	12	21.69
				25	25	21.69
				50	0	21.69

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	18675	15	1	0	23.86
				1	37	23.45
				1	74	23.43
				36	0	22.82
				36	29	22.64
				36	30	22.64
	1880	18900		75	0	22.65
				1	0	23.44
				1	37	23.57
				1	74	23.56
				36	0	22.67
				36	29	22.63
	1902.5	19125		36	30	22.63
				75	0	22.50
				1	0	23.85
				1	37	23.45
				1	74	23.61
				36	0	22.71
16QAM	1857.5	18675	36	29	22.70	
			36	30	22.70	
			75	0	22.78	
			1	0	23.44	
			1	37	22.65	
			1	74	22.65	
	1880	18900	36	0	21.85	
			36	29	21.66	
			36	30	21.56	
			75	0	21.65	
			1	0	23.35	
			1	37	22.97	
	1902.5	19125	1	74	22.96	
			36	0	21.77	
			36	29	21.72	
			36	30	21.73	
			75	0	21.63	
			1	0	22.89	
			1	37	22.81	
			1	74	22.81	
			36	0	21.78	
			36	29	21.70	
			36	30	21.70	
			75	0	21.72	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1857.5	18675	15	1	0	21.77
				1	37	21.77
				1	74	21.78
				36	0	21.78
				36	29	21.77
				36	30	21.78
				75	0	21.77
	1880	18900		1	0	21.62
				1	37	21.63
				1	74	21.63
				36	0	21.52
				36	29	21.53
				36	30	21.53
				75	0	21.53
	1902.5	19125		1	0	21.72
				1	37	21.72
				1	74	21.72
				36	0	21.72
				36	29	21.72
				36	30	21.72
				75	0	21.64

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1860	18700	20	1	0	24.02
				1	49	23.26
				1	99	23.25
				50	0	22.84
				50	24	22.60
				50	50	22.61
	100	0		22.74		
	1	0		23.67		
	1	49		23.96		
	1	99		23.95		
	50	0		22.59		
	50	24		22.62		
	50	50		22.63		
	100	0		22.61		
	1	0		23.65		
	1	49		23.54		
	1	99		23.54		
	50	0		22.82		
50	24	22.83				
50	50	22.84				
100	0	22.76				
16QAM	1860	18700	20	1	0	23.42
				1	49	22.90
				1	99	22.90
				50	0	21.87
				50	24	21.65
				50	50	21.66
	100	0		21.81		
	1	0		22.48		
	1	49		22.79		
	1	99		22.49		
	50	0		21.54		
	50	24		21.60		
	50	50		21.60		
	100	0		21.60		
	1	0		22.66		
	1	49		23.19		
	1	99		23.14		
	50	0		21.76		
50	24	21.77				
50	50	21.77				
100	0	21.86				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1860	18700	20	1	0	21.81
				1	49	21.81
				1	99	21.81
				50	0	21.81
				50	24	21.81
				50	50	21.81
				100	0	21.81
	1880	18900		1	0	21.60
				1	49	21.61
				1	99	21.60
				50	0	21.60
				50	24	21.61
				50	50	21.60
				100	0	21.60
	1900	19100		1	0	21.86
				1	49	21.86
				1	99	21.86
				50	0	21.86
				50	24	21.86
				50	50	21.86
				100	0	21.86

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	1.088	Fig.3
	1880	18900		6	0	1.082	Fig.4	1.082	Fig.5	1.082	Fig.6
	1909.3	19193		6	0	1.094	Fig.7	1.082	Fig.8	1.094	Fig.9
	1851.5	18615	3	15	0	2.696	Fig.10	2.683	Fig.11	2.683	Fig.12
	1880	18900		15	0	2.683	Fig.13	2.683	Fig.14	2.683	Fig.15
	1908.5	19185		15	0	2.683	Fig.16	2.683	Fig.17	2.683	Fig.18
	1852.5	18625	5	25	0	4.472	Fig.19	4.472	Fig.20	4.472	Fig.21
	1880	18900		25	0	4.472	Fig.22	4.472	Fig.23	4.472	Fig.24
	1907.5	19175		25	0	4.472	Fig.25	4.472	Fig.26	4.472	Fig.27
	1855	18650	10	50	0	8.944	Fig.28	8.900	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	13.350	Fig.43	13.415	Fig.44	13.415	Fig.45
	1860	18700	20	100	0	17.800	Fig.46	17.800	Fig.47	17.713	Fig.48
	1880	18900		100	0	17.800	Fig.49	17.800	Fig.50	17.713	Fig.51
	1900	19100		100	0	17.887	Fig.52	17.887	Fig.53	17.800	Fig.54

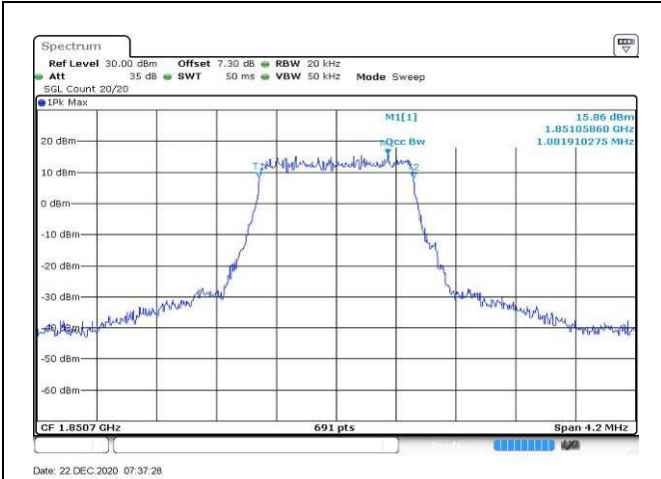


Fig.1

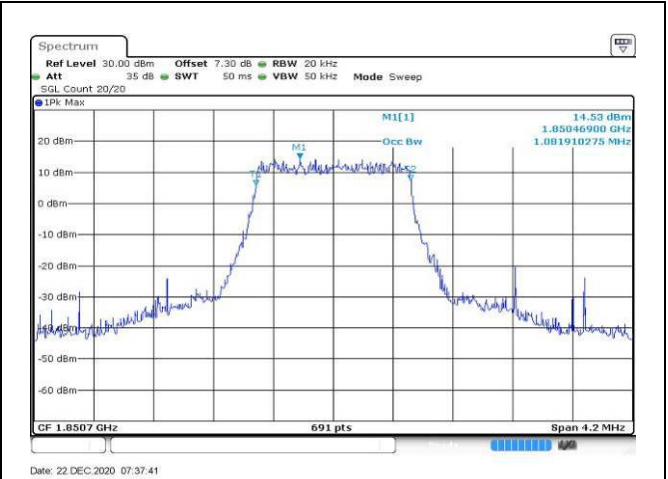


Fig.2

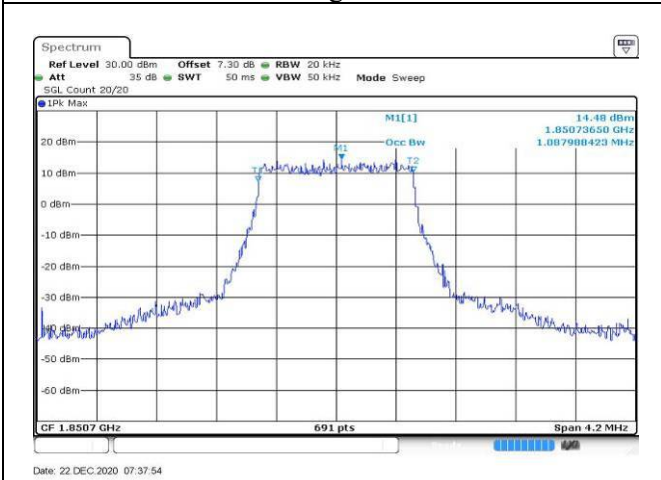


Fig.3

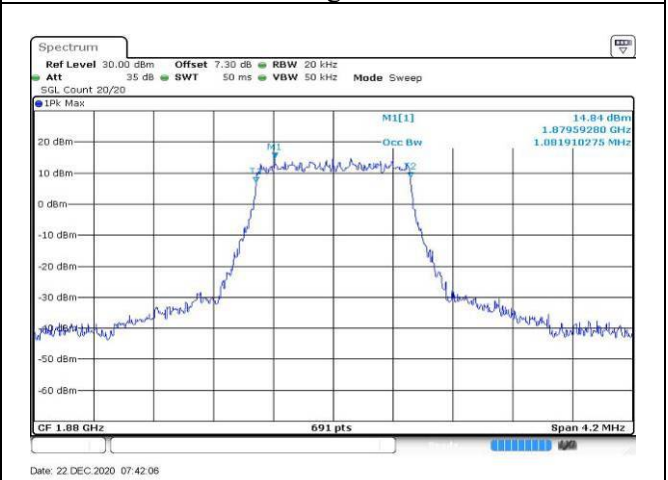


Fig.4

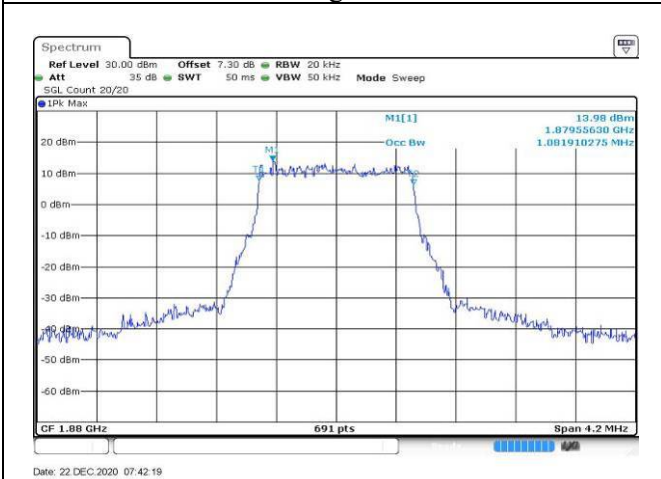


Fig.5

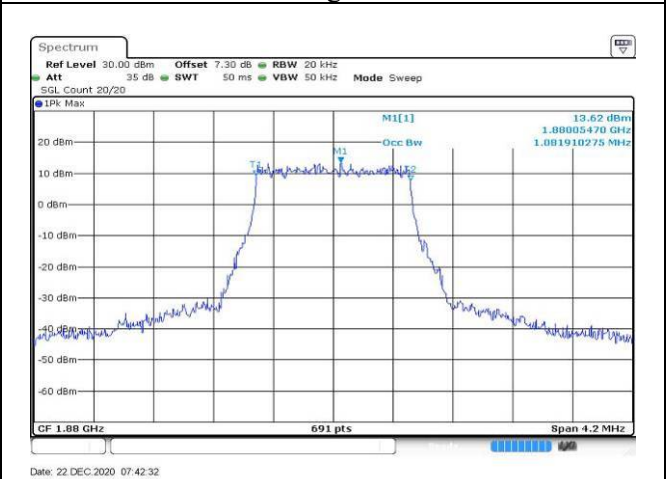


Fig.6

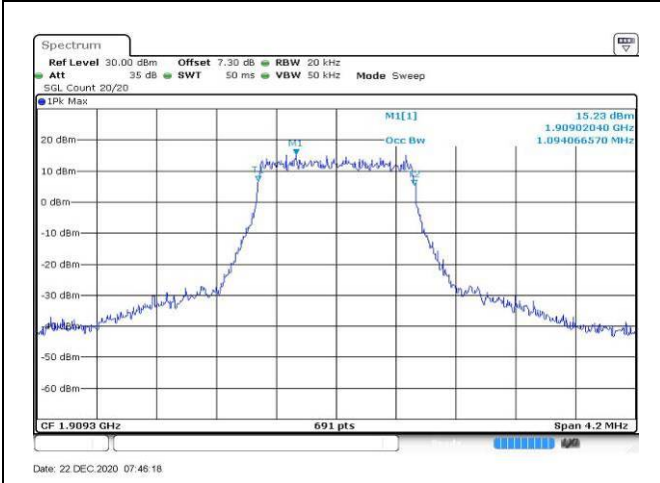


Fig.7

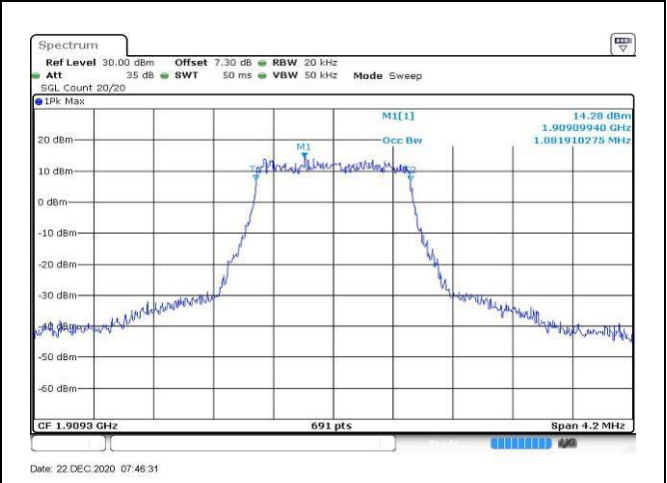


Fig.8

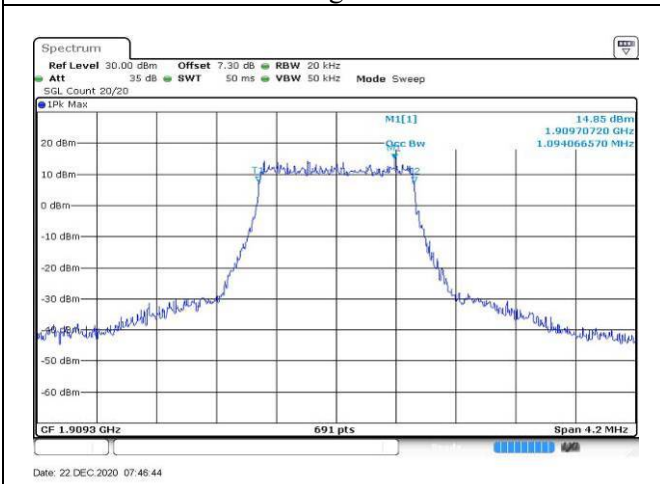


Fig.9

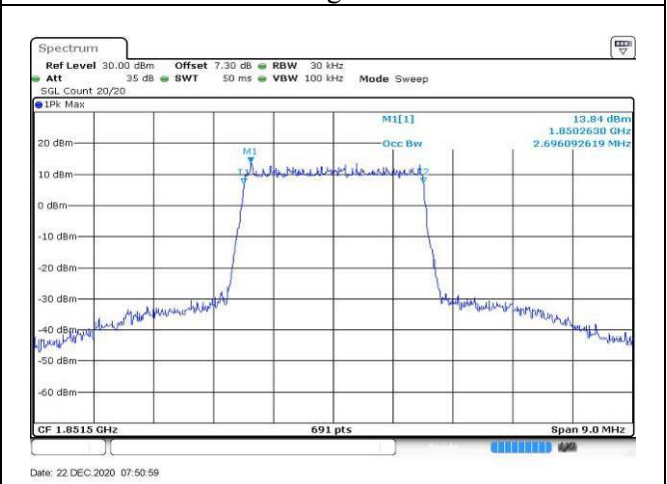


Fig.10

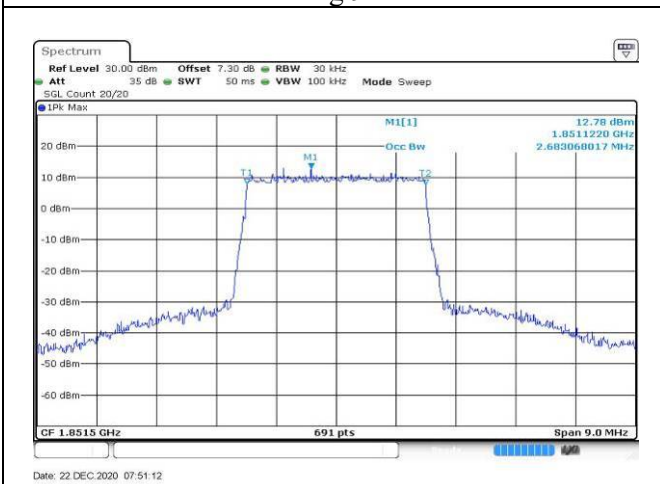


Fig.11

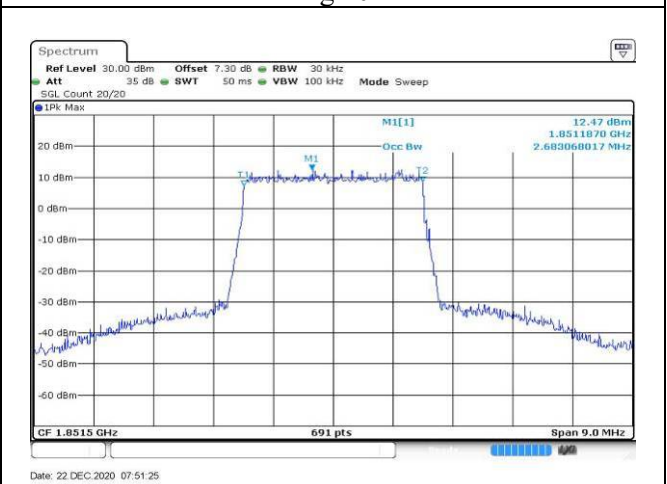


Fig.12

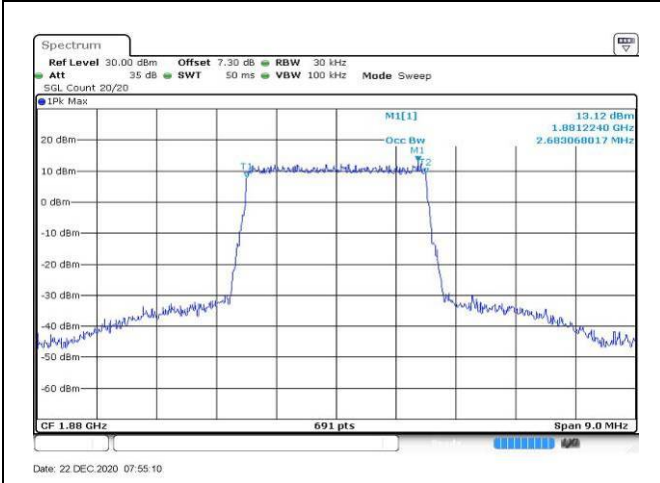


Fig.13

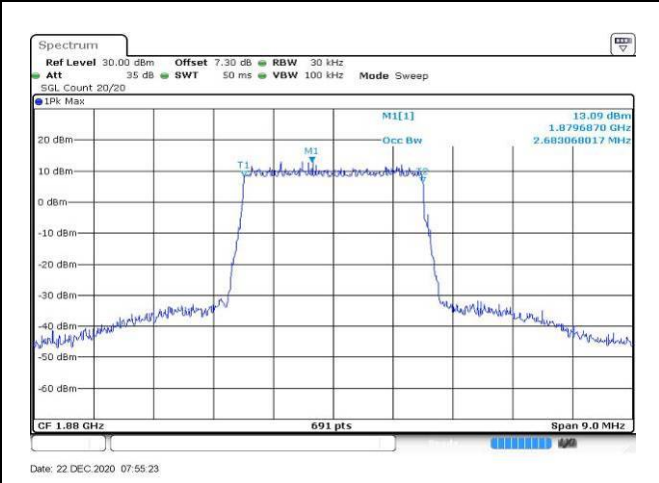


Fig.14

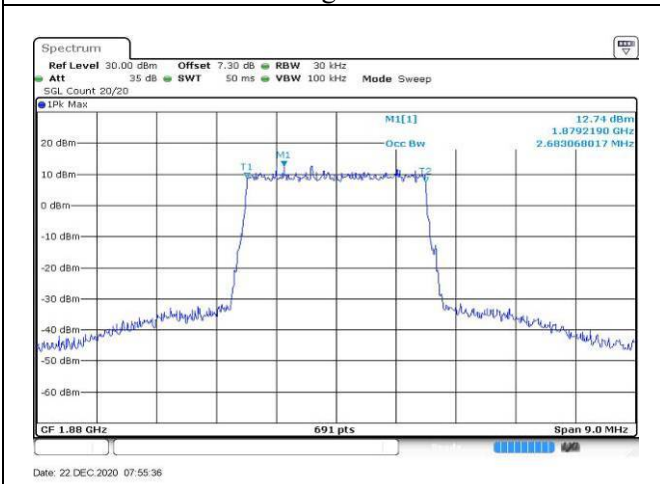


Fig.15

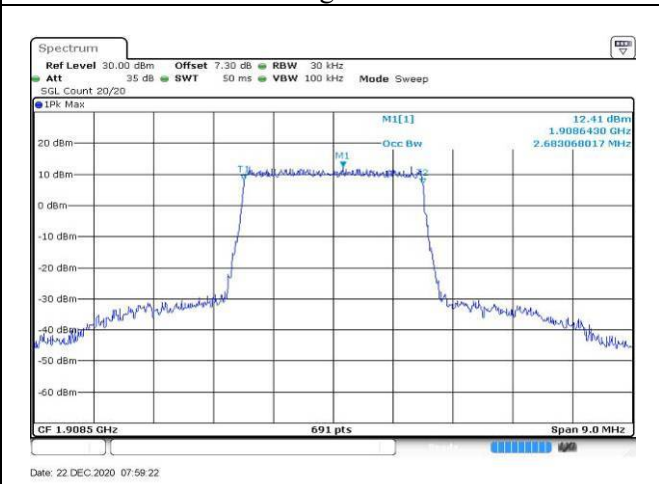


Fig.16

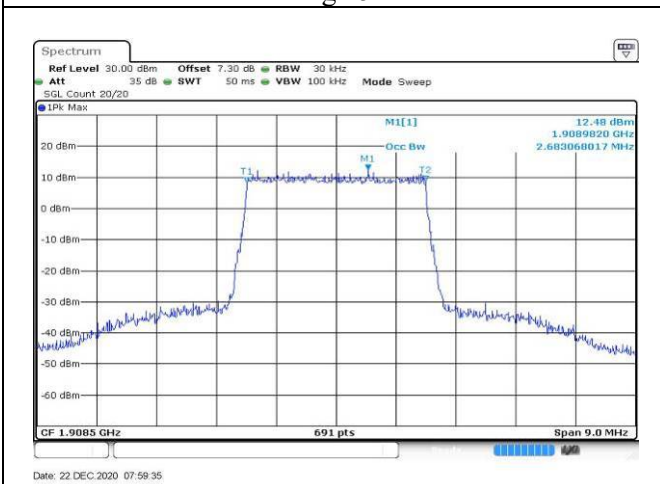


Fig.17

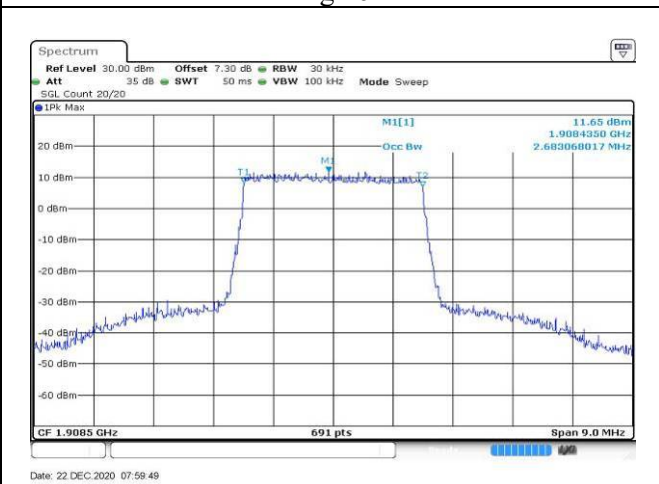
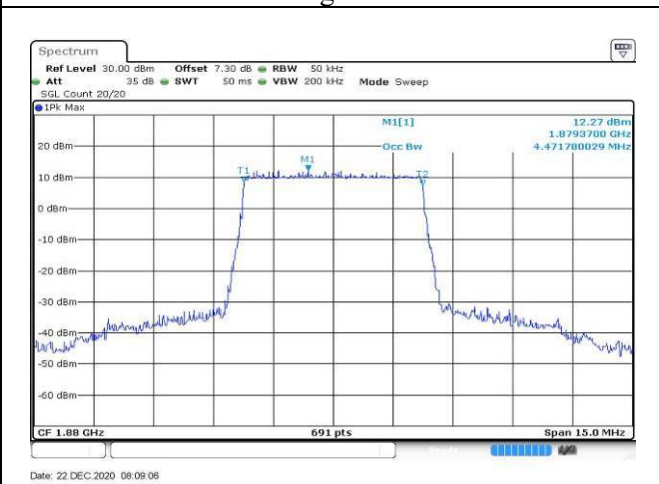
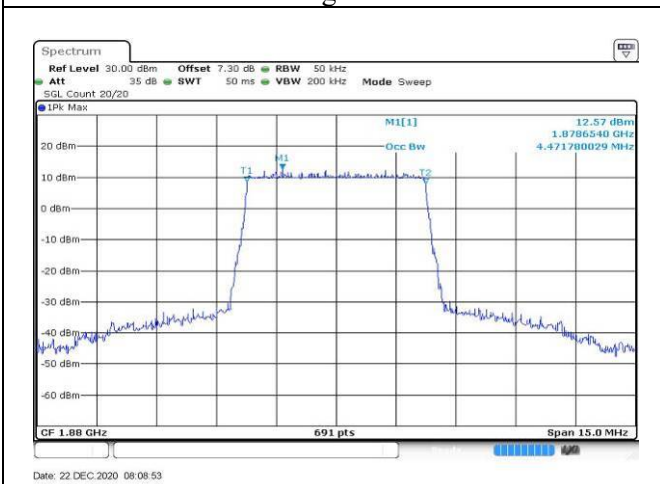
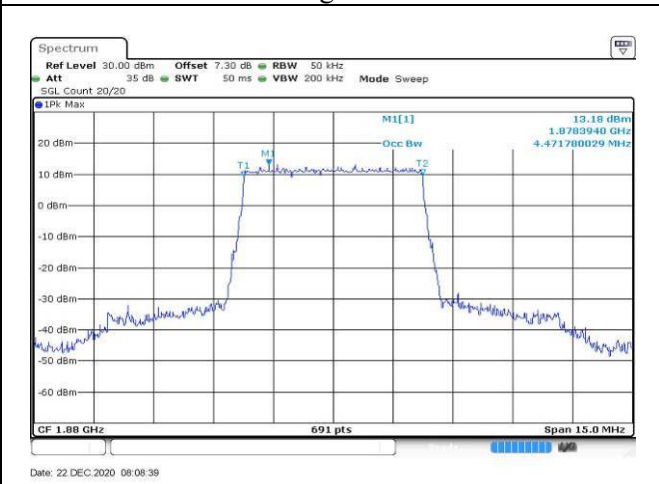
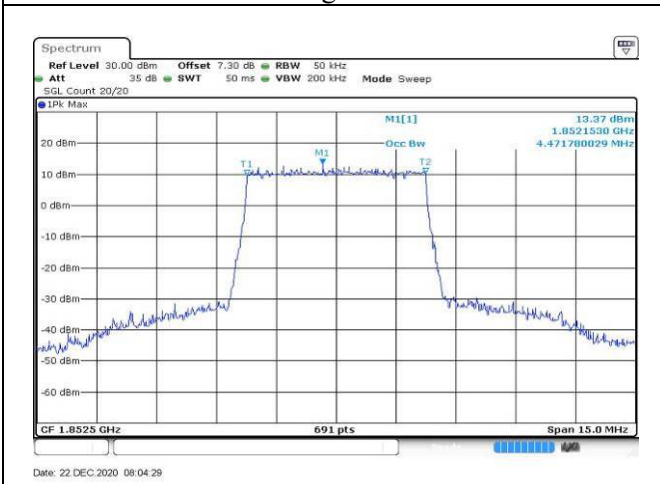
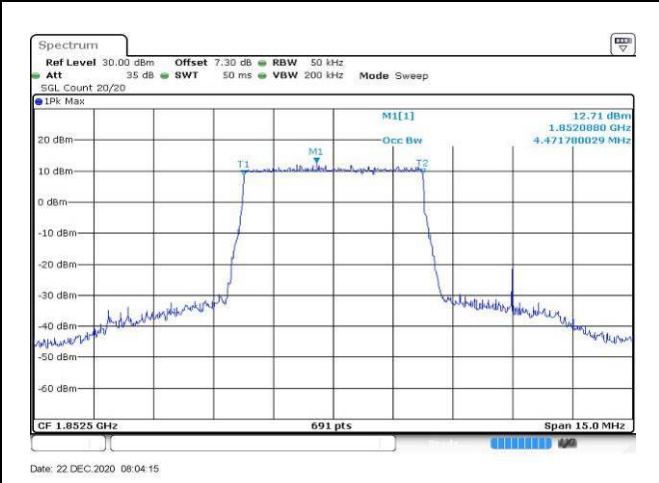
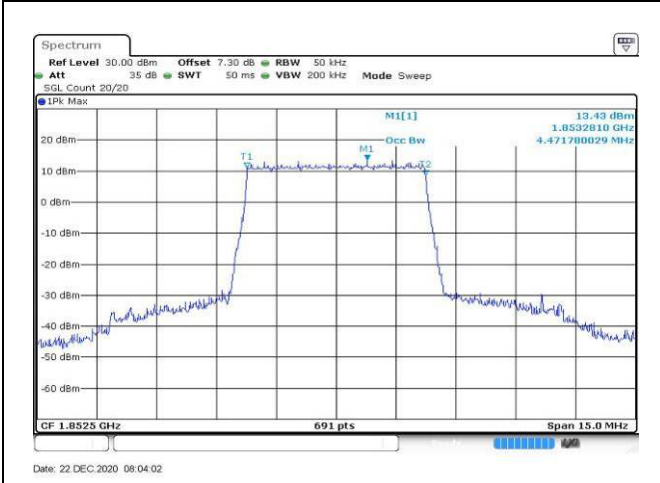


Fig.18



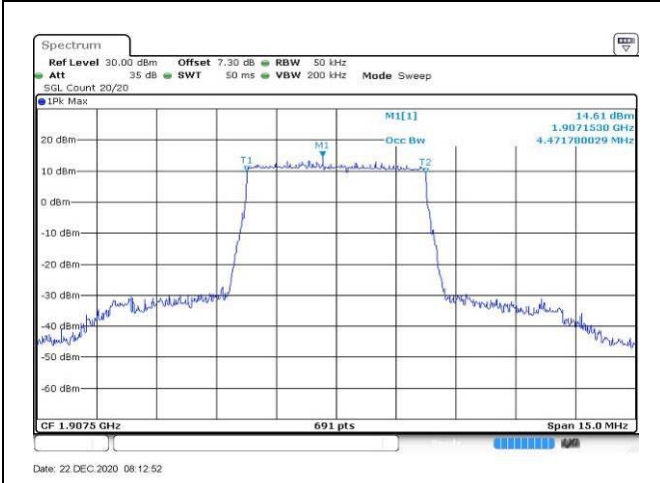


Fig.25

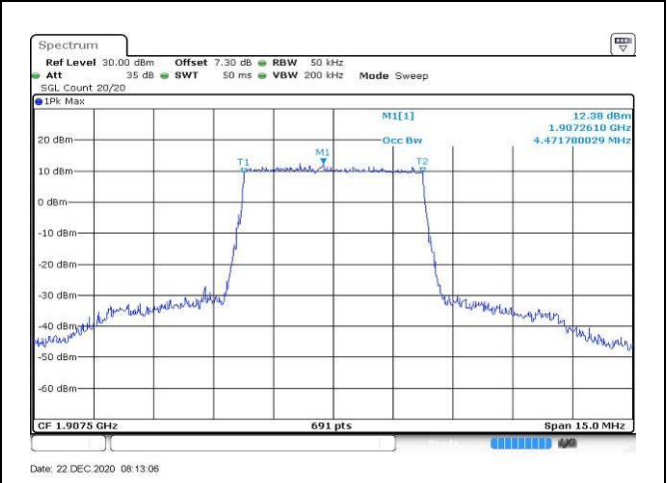


Fig.26

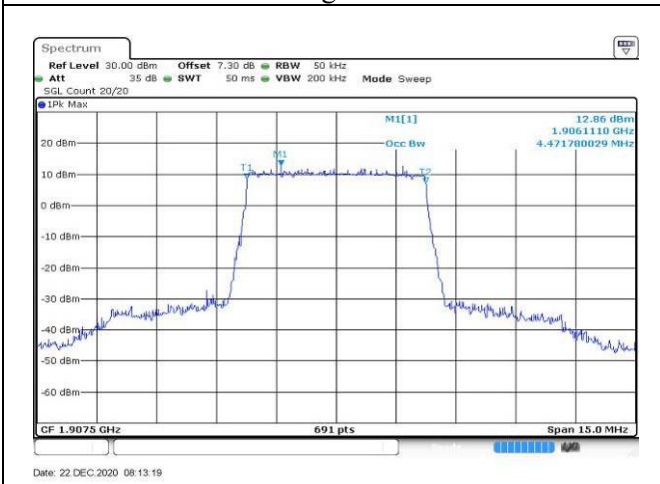


Fig.27

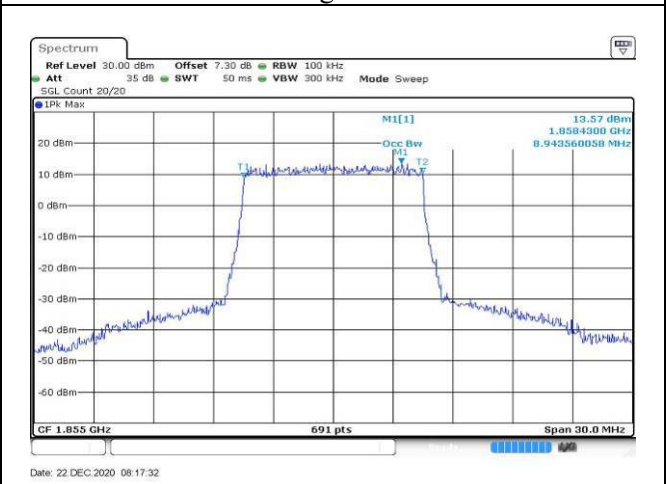


Fig.28

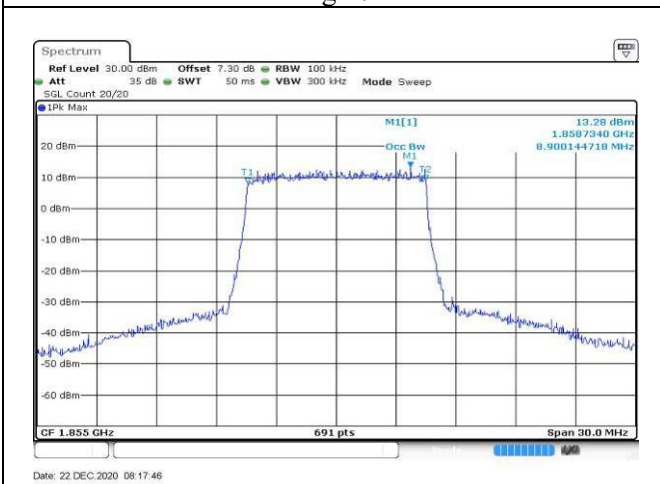


Fig.29

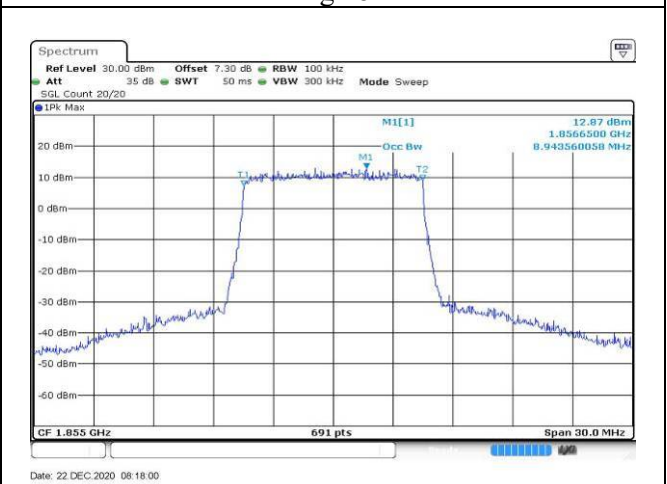


Fig.30

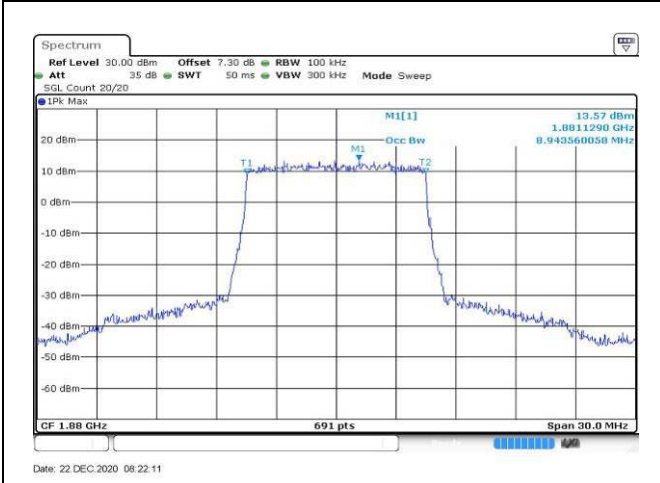


Fig.31

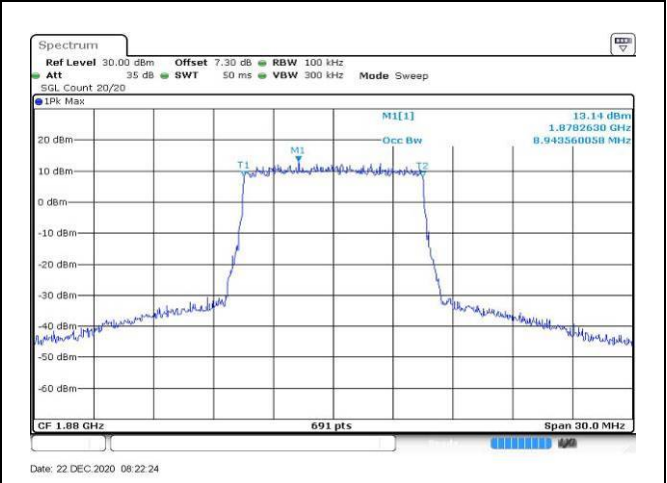


Fig.32

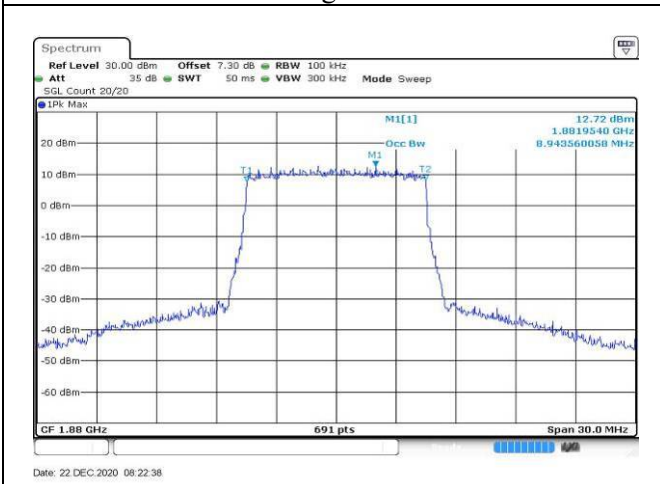


Fig.33

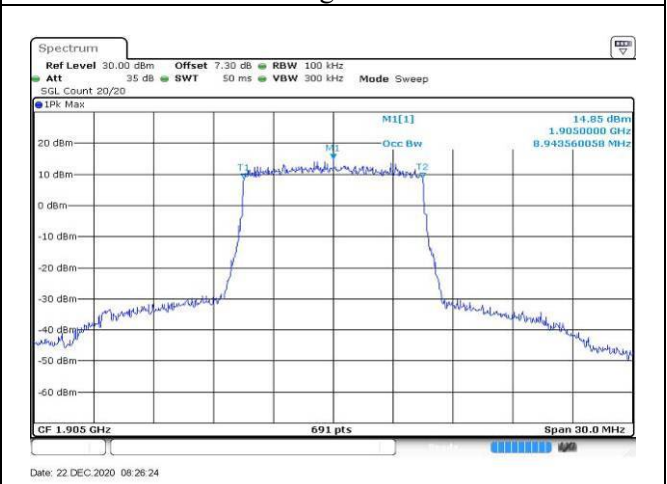


Fig.34

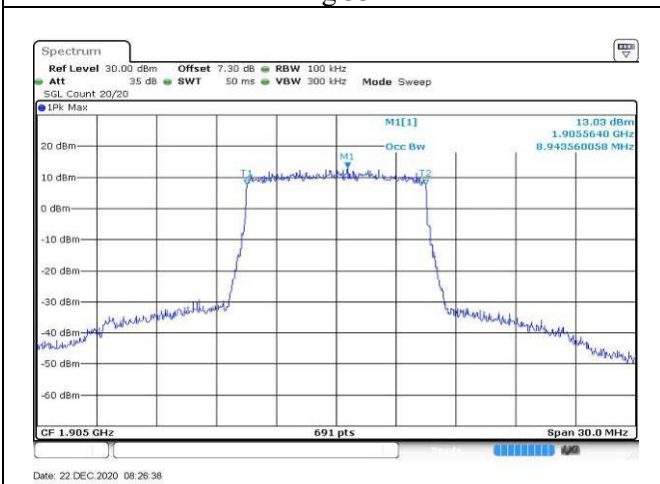


Fig.35

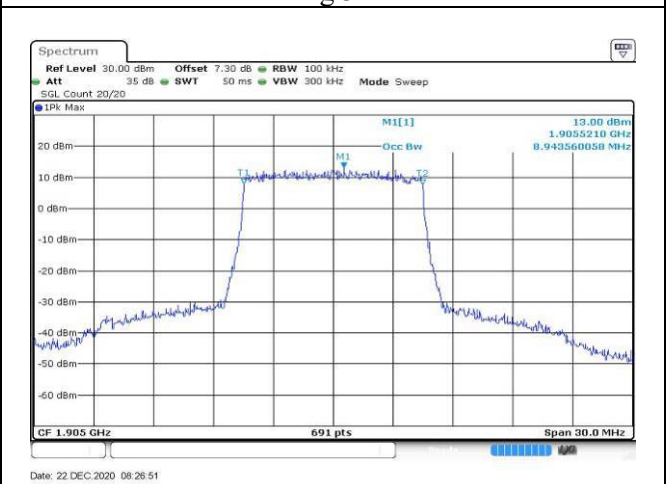


Fig.36

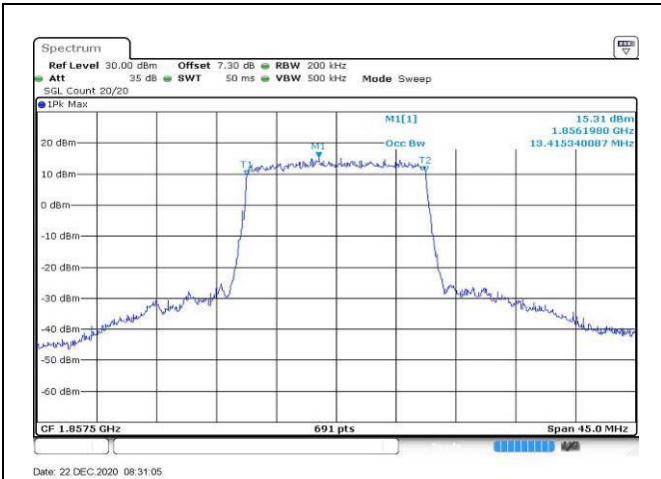


Fig.37

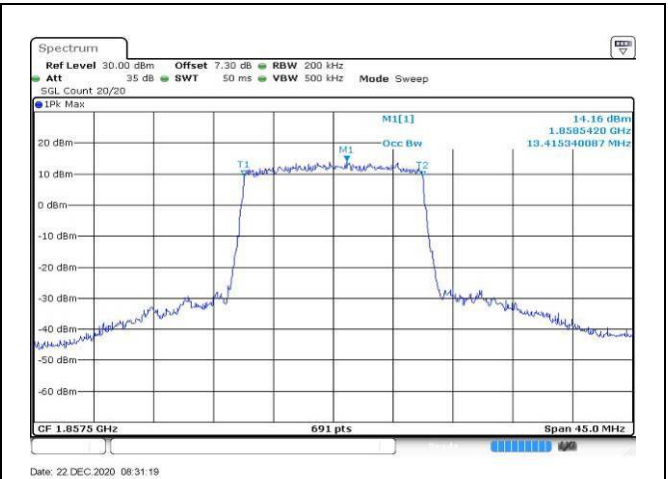


Fig.38

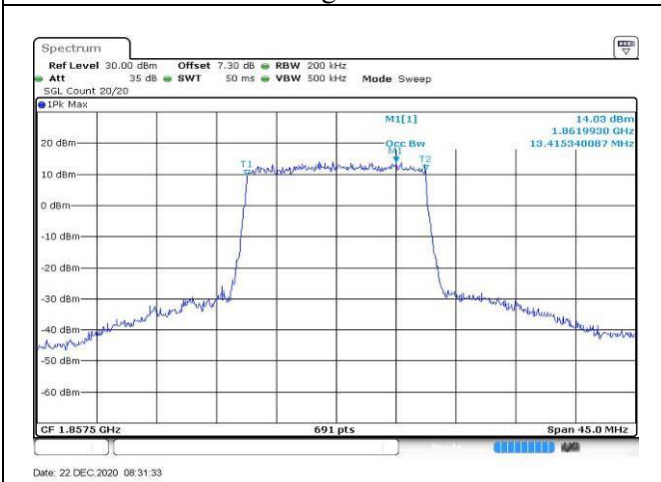


Fig.39

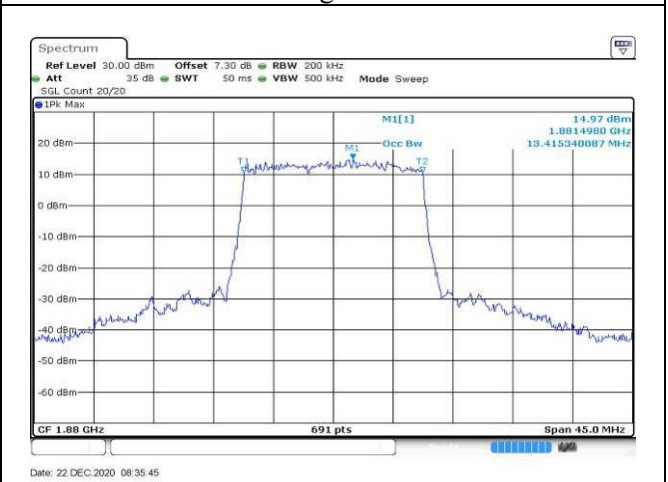


Fig.40

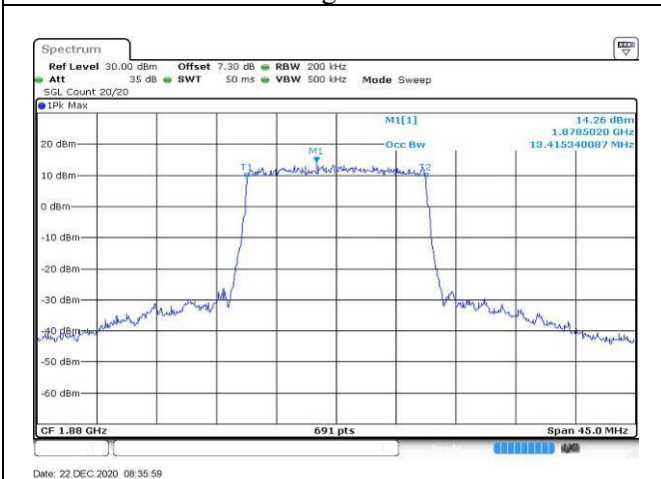


Fig.41

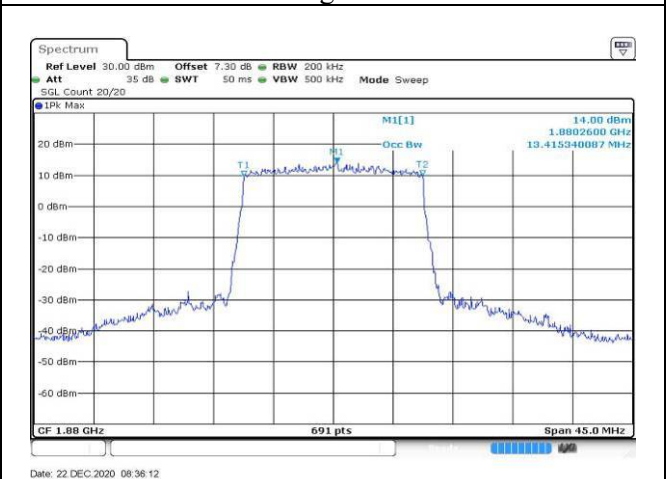


Fig.42

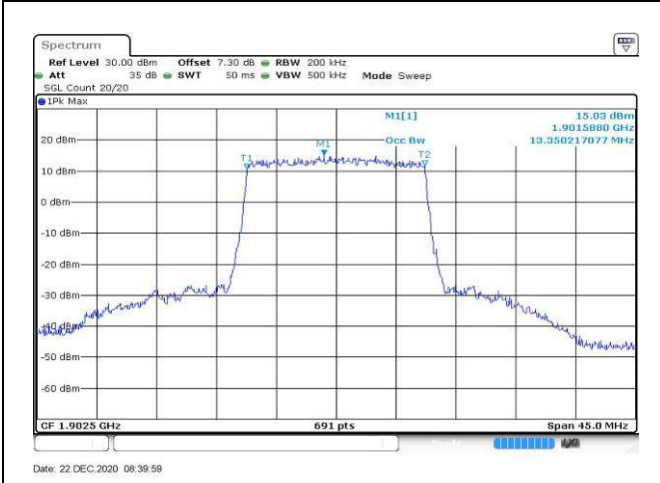


Fig.43

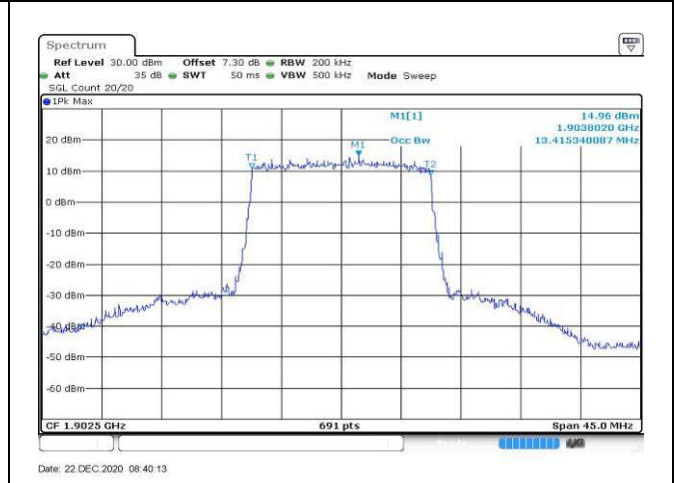


Fig.44

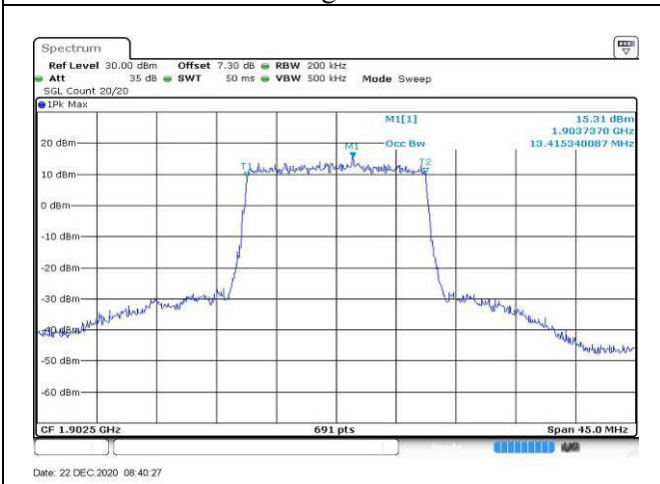


Fig.45

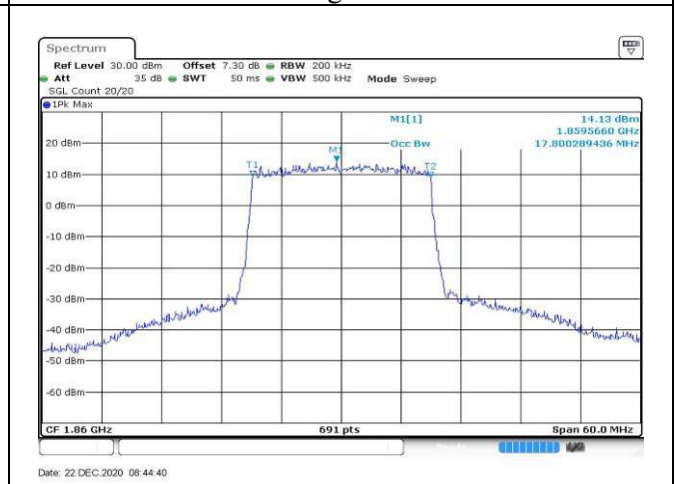


Fig.46

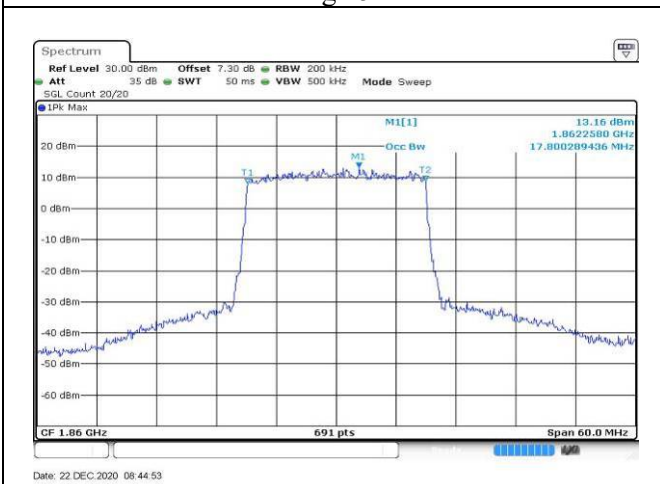


Fig.47

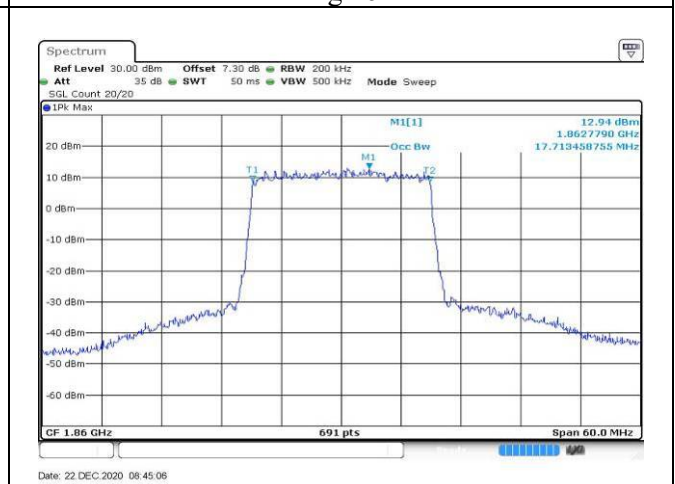


Fig.48

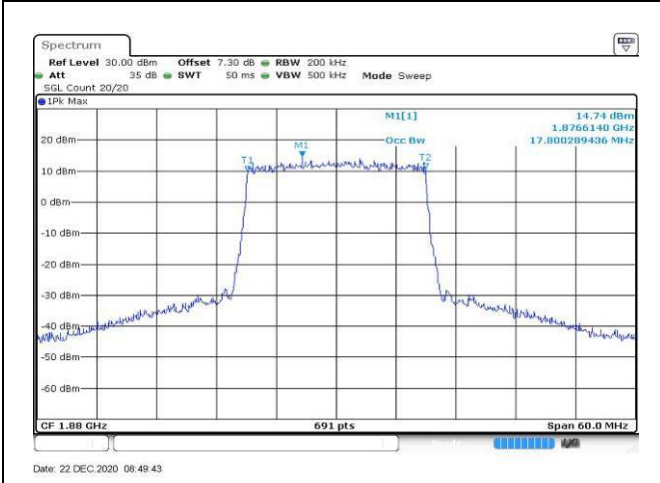


Fig.49

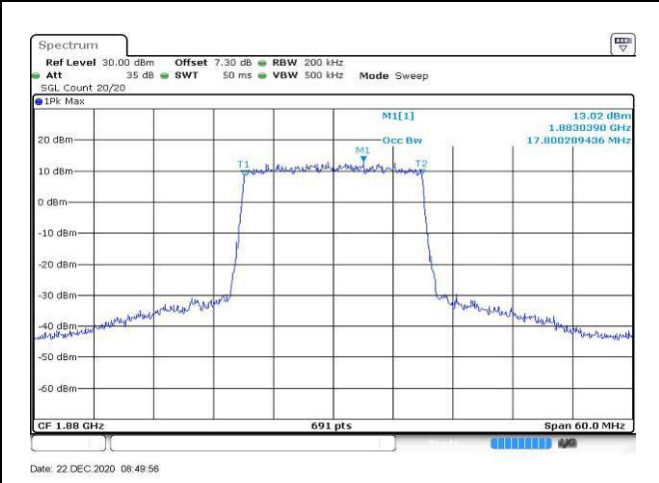


Fig.50

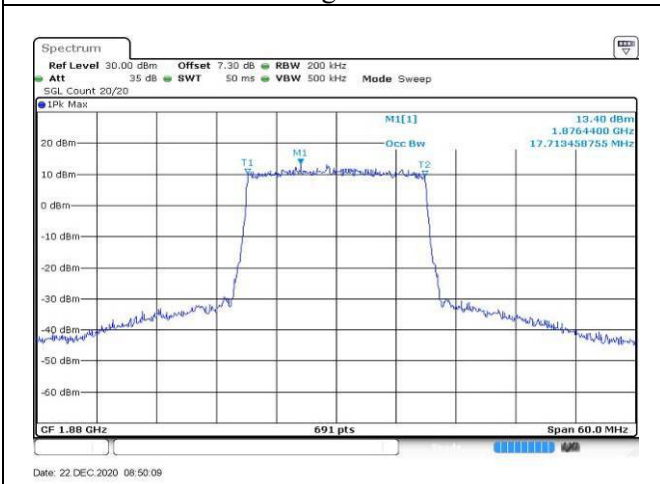


Fig.51

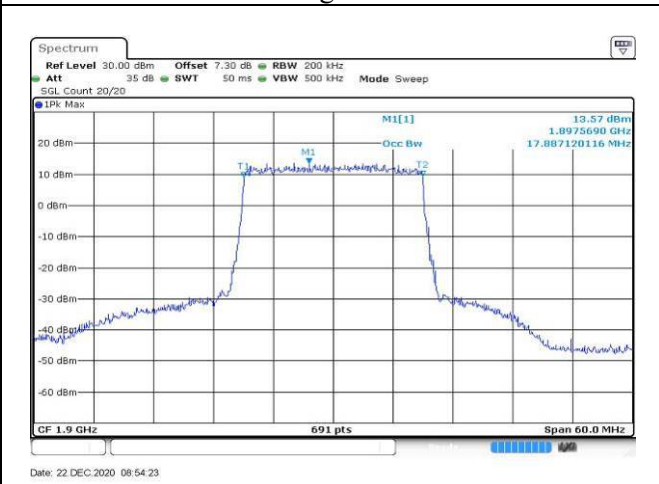


Fig.52

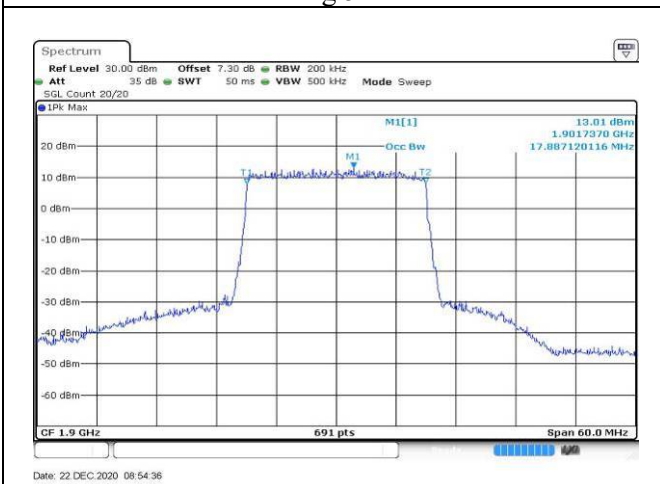


Fig.53

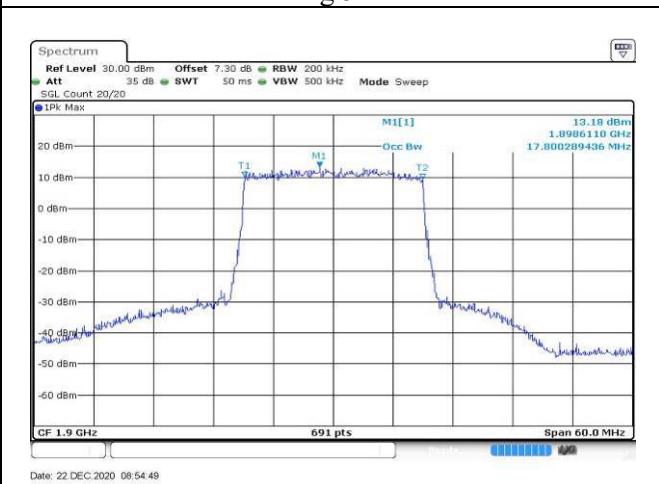


Fig.54

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	1.264	Fig.1	1.264	Fig.2	1.270	Fig.3
	1880	18900		6	0	1.252	Fig.4	1.246	Fig.5	1.258	Fig.6
	1909.3	19193		6	0	1.252	Fig.7	1.264	Fig.8	1.252	Fig.9
	1851.5	18615	3	15	0	2.931	Fig.10	2.904	Fig.11	2.904	Fig.12
	1880	18900		15	0	2.918	Fig.13	2.918	Fig.14	2.904	Fig.15
	1908.5	19185		15	0	2.904	Fig.16	2.931	Fig.17	2.904	Fig.18
	1852.5	18625	5	25	0	4.928	Fig.19	4.841	Fig.20	4.841	Fig.21
	1880	18900		25	0	4.841	Fig.22	4.928	Fig.23	4.863	Fig.24
	1907.5	19175		25	0	4.906	Fig.25	4.906	Fig.26	4.928	Fig.27
	1855	18650	10	50	0	9.725	Fig.28	9.638	Fig.29	9.595	Fig.30
	1880	18900		50	0	9.682	Fig.31	9.465	Fig.32	9.682	Fig.33
	1905	19150		50	0	9.595	Fig.34	9.682	Fig.35	9.595	Fig.36
	1857.5	18675	15	75	0	14.522	Fig.37	14.457	Fig.38	14.457	Fig.39
	1880	18900		75	0	14.588	Fig.40	14.457	Fig.41	14.327	Fig.42
	1902.5	19125		75	0	14.522	Fig.43	14.392	Fig.44	14.457	Fig.45
	1860	18700	20	100	0	18.842	Fig.46	19.103	Fig.47	19.016	Fig.48
	1880	18900		100	0	19.016	Fig.49	19.016	Fig.50	19.103	Fig.51
1900	19100	100		0	19.103	Fig.52	19.016	Fig.53	19.103	Fig.54	

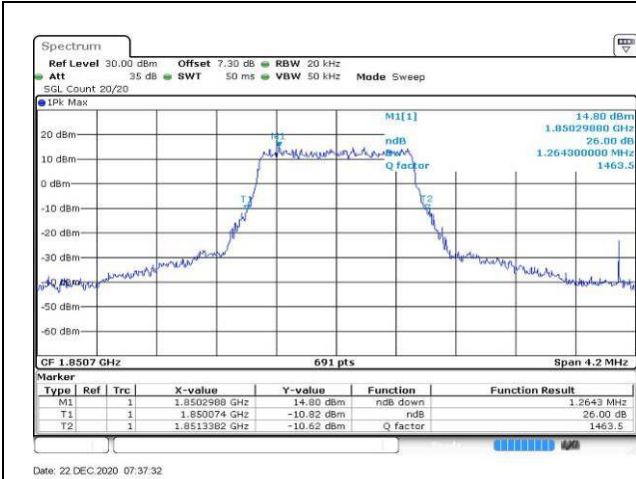


Fig.1

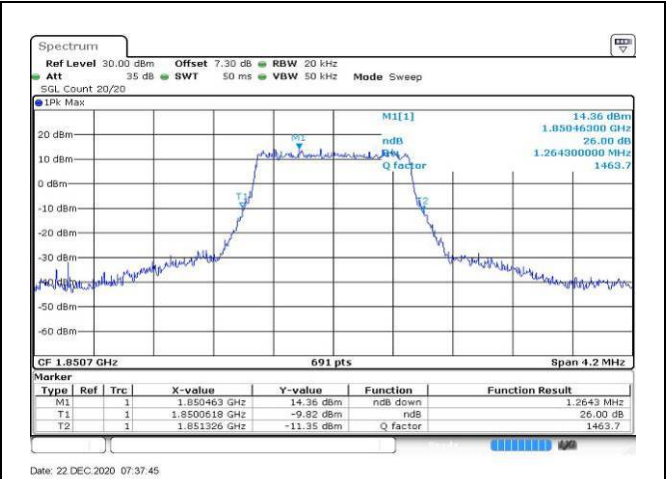


Fig.2

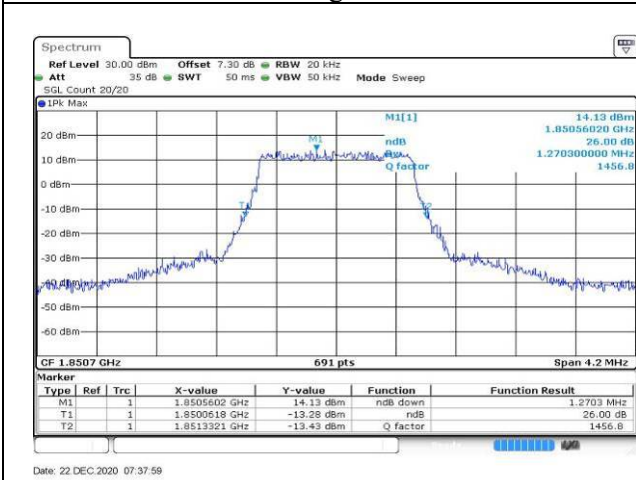


Fig.3

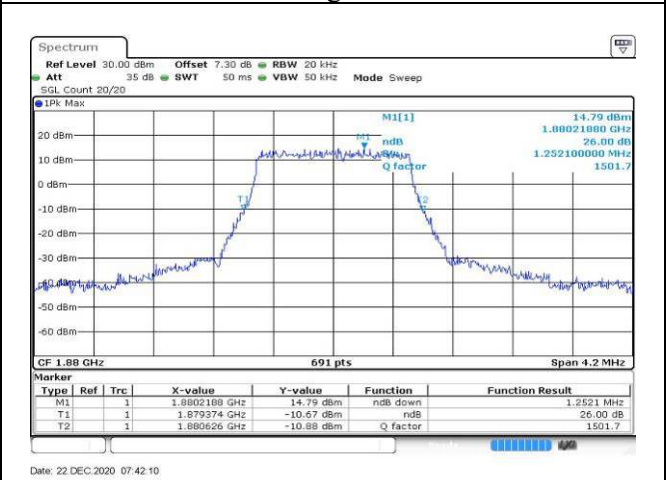


Fig.4

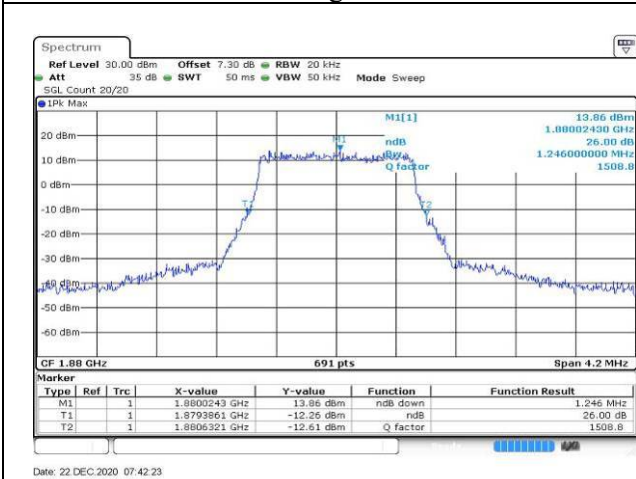


Fig.5

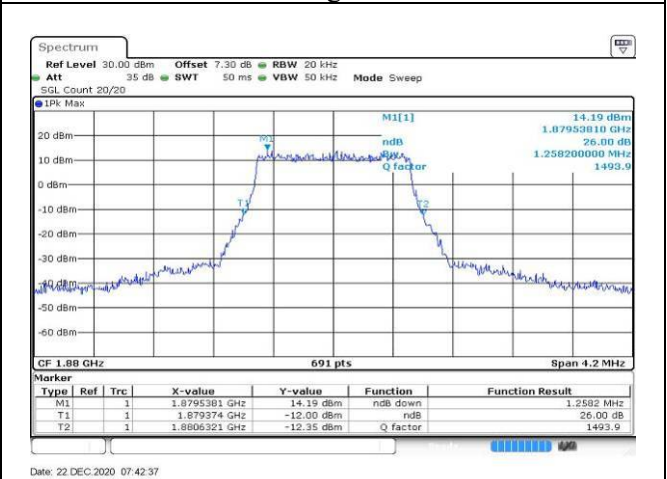


Fig.6

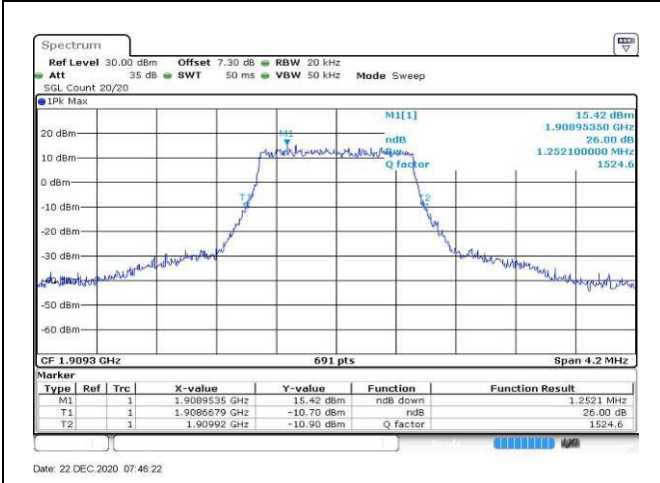


Fig.7

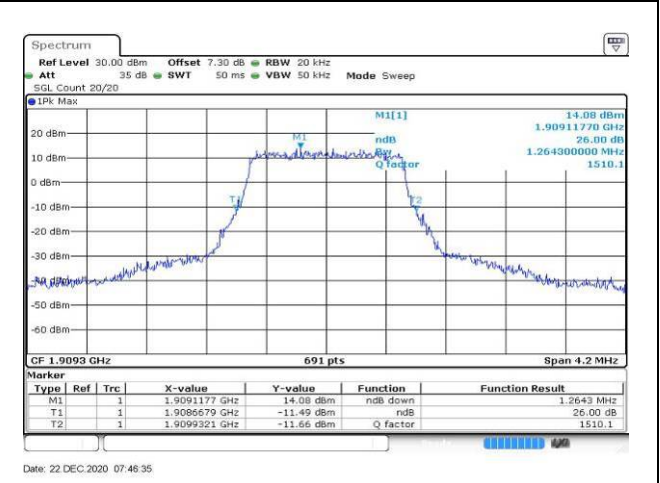


Fig.8

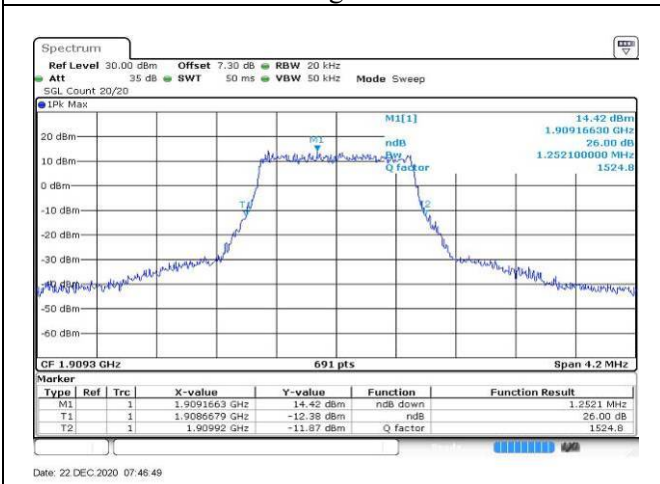


Fig.9

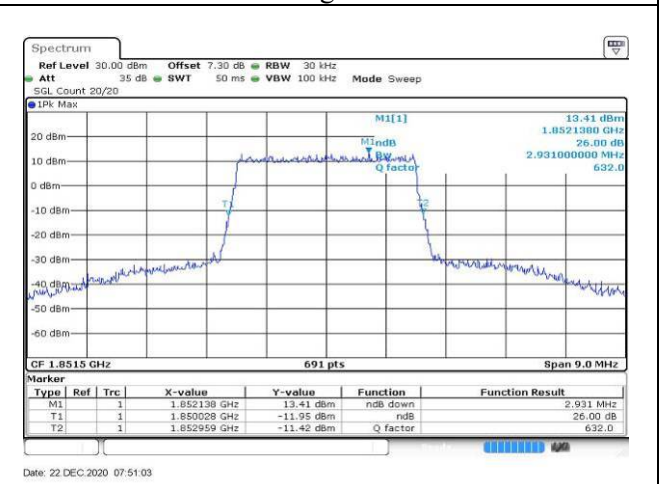


Fig.10



Fig.11

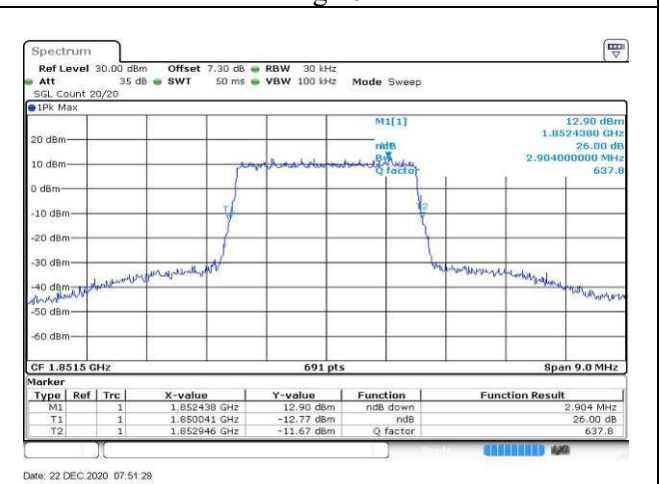


Fig.12

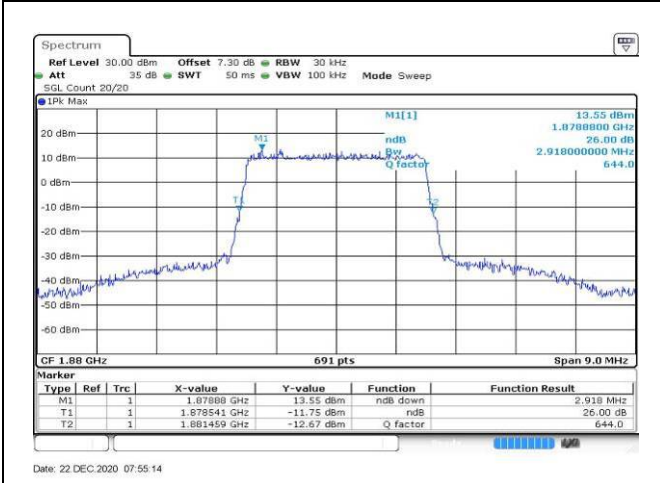


Fig.13

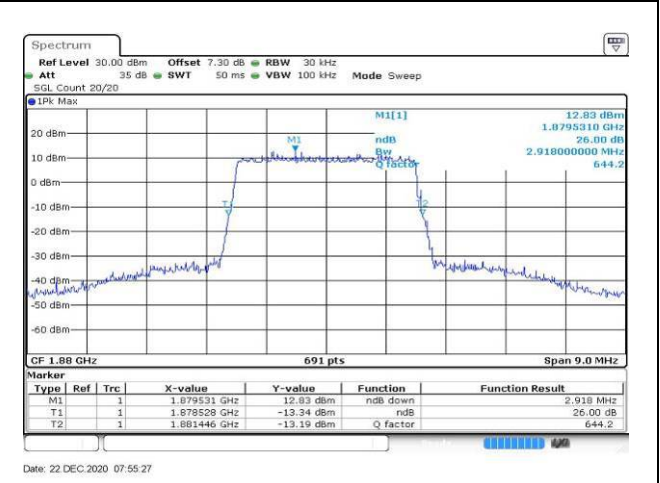


Fig.14

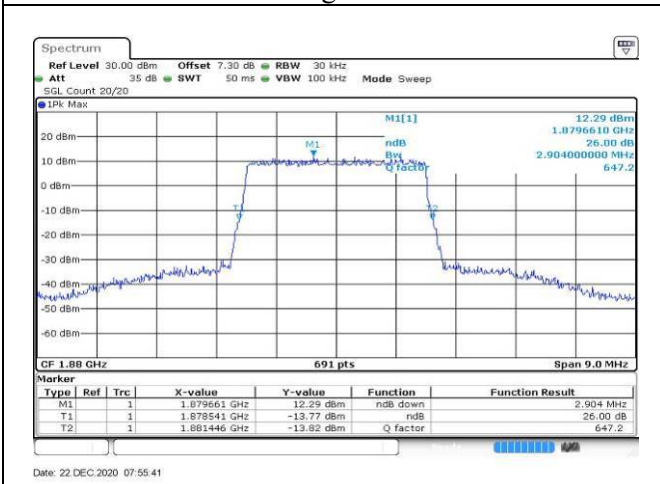


Fig.15

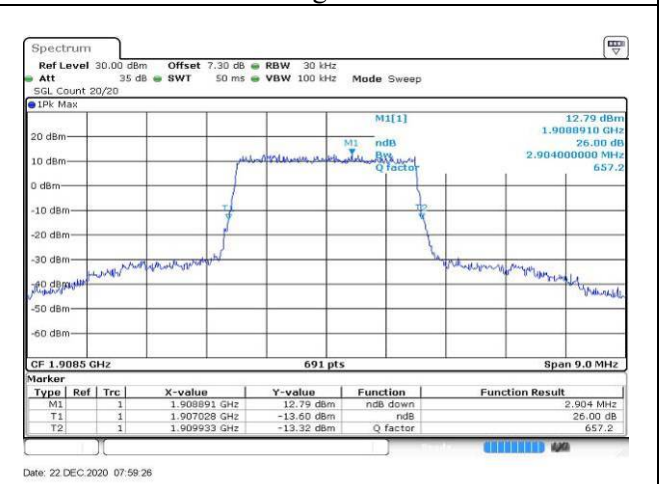


Fig.16

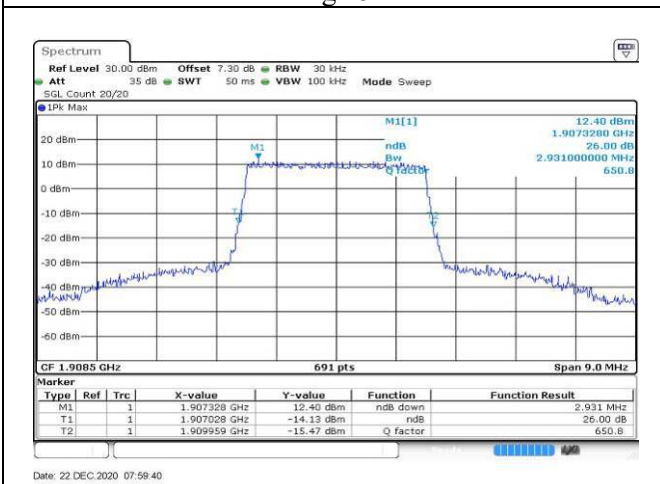


Fig.17

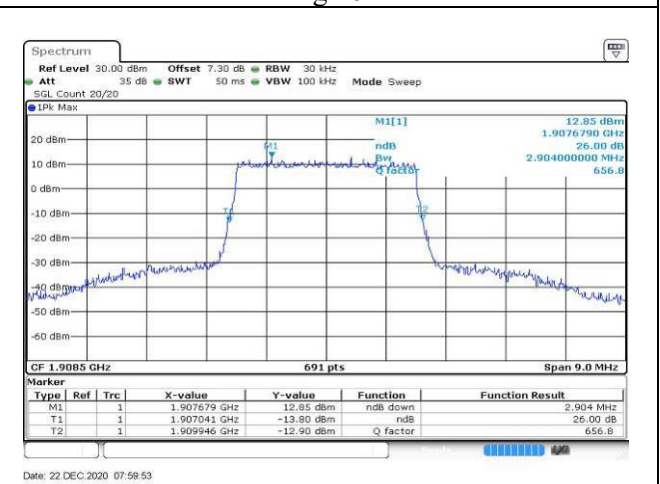


Fig.18

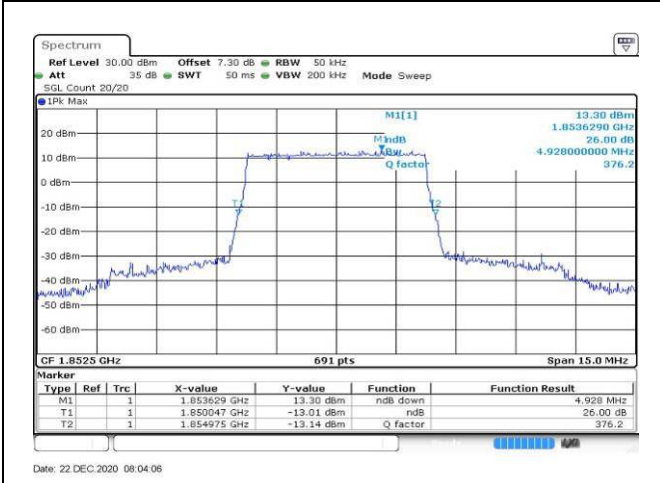


Fig.19

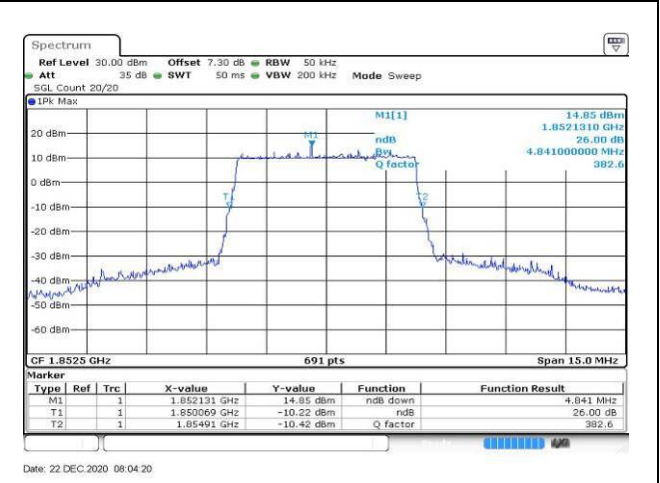


Fig.20

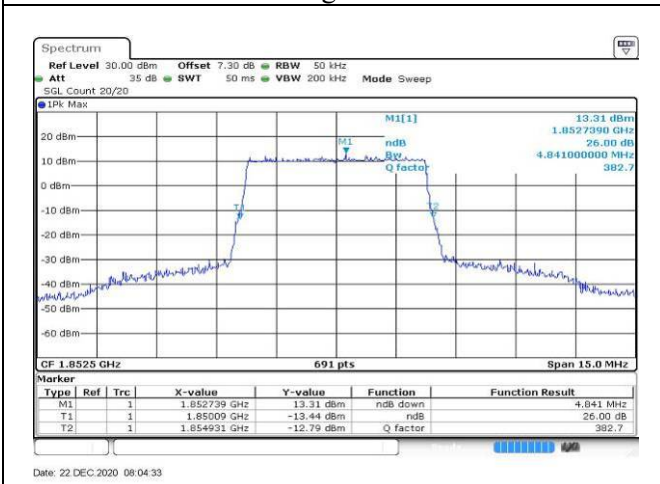


Fig.21

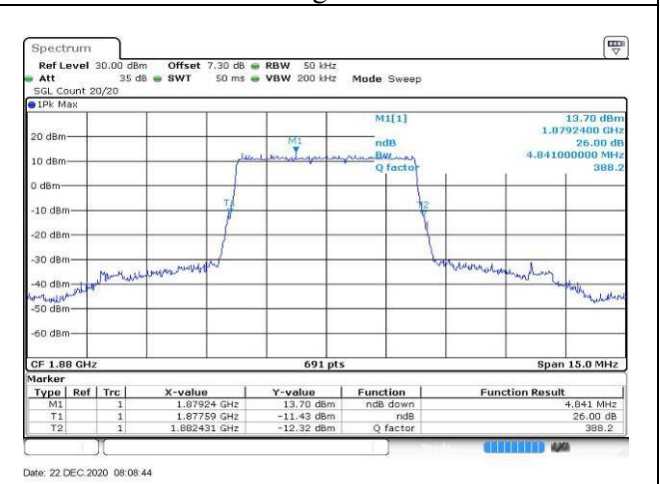


Fig.22

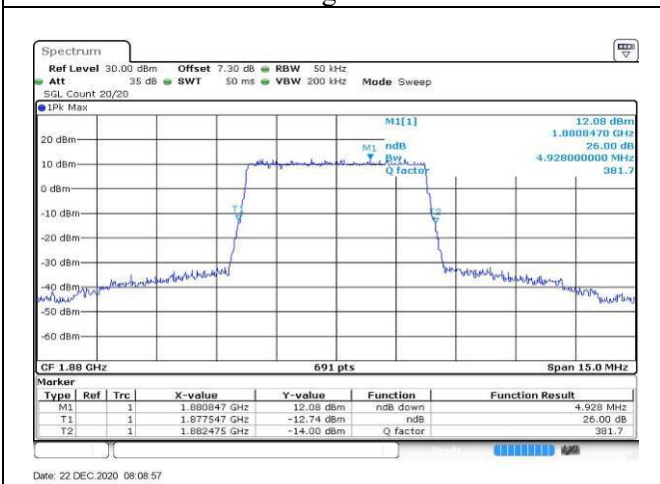


Fig.23

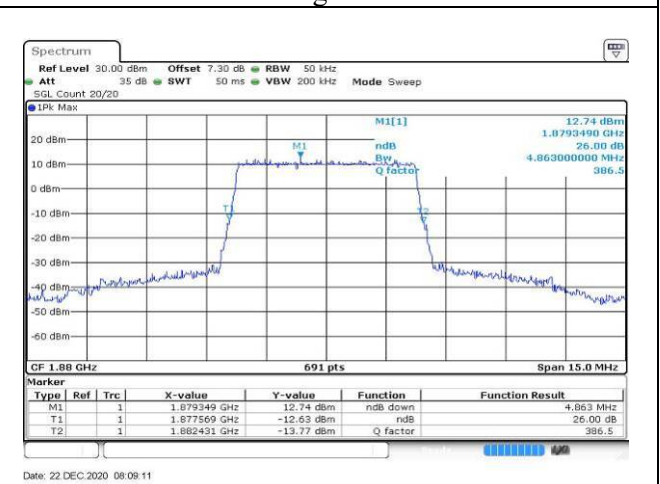


Fig.24

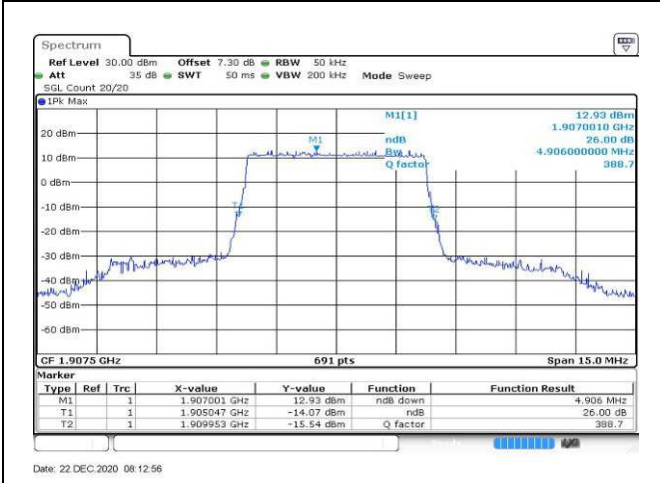


Fig.25

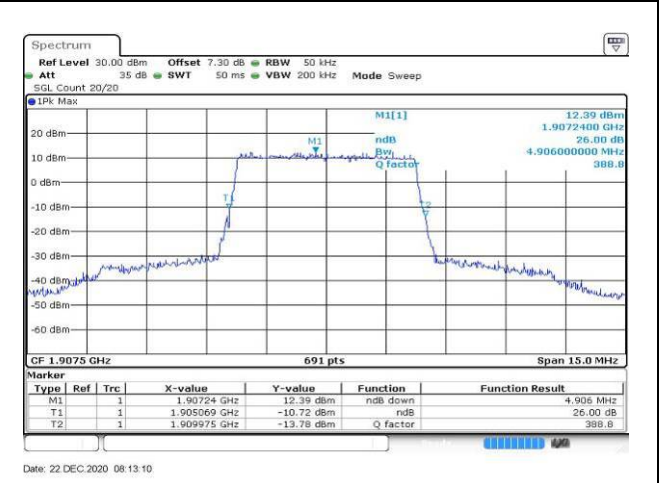


Fig.26

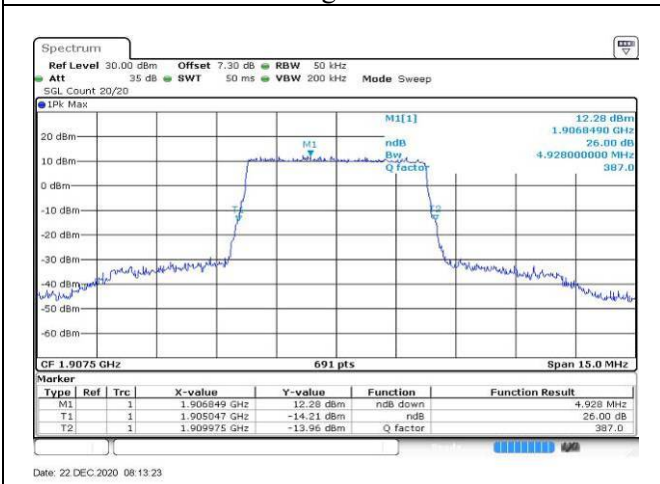


Fig.27

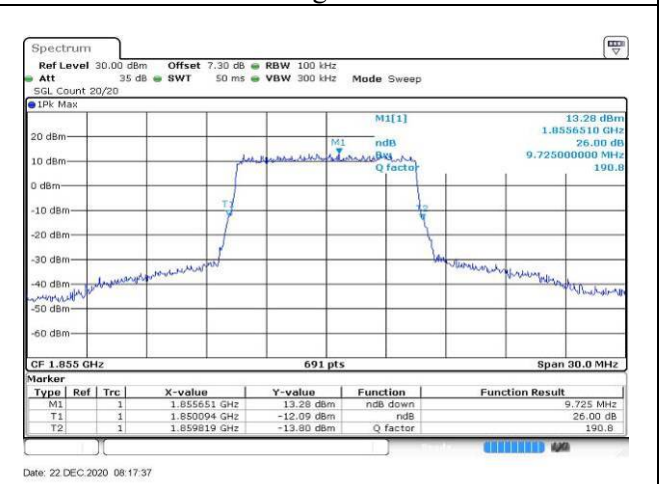


Fig.28



Fig.29

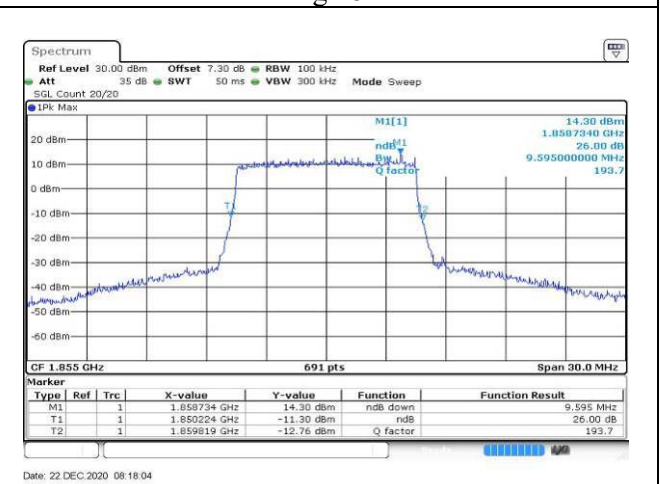


Fig.30

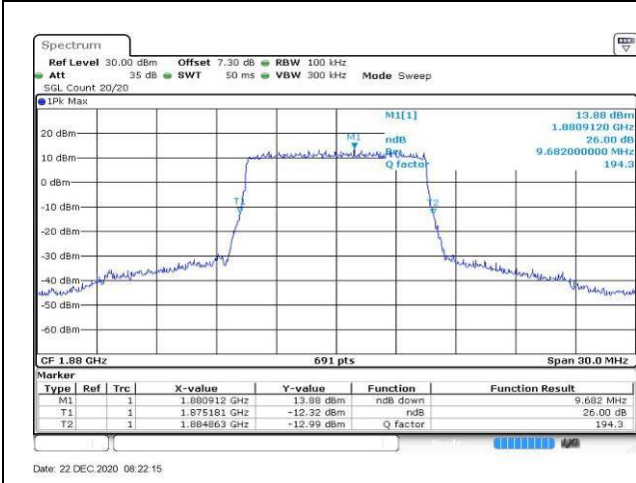


Fig.31

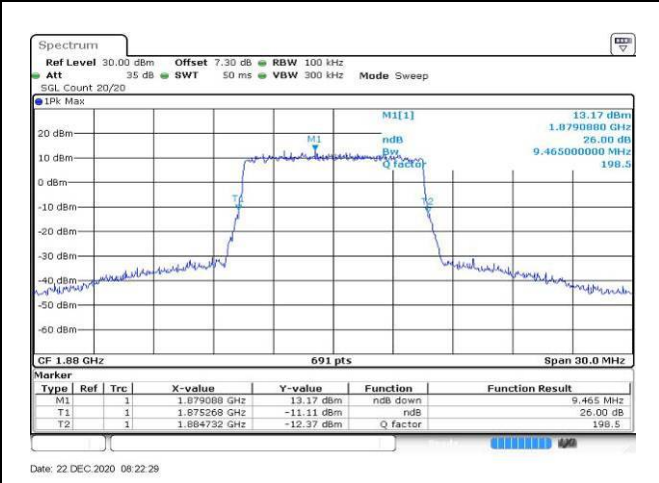


Fig.32

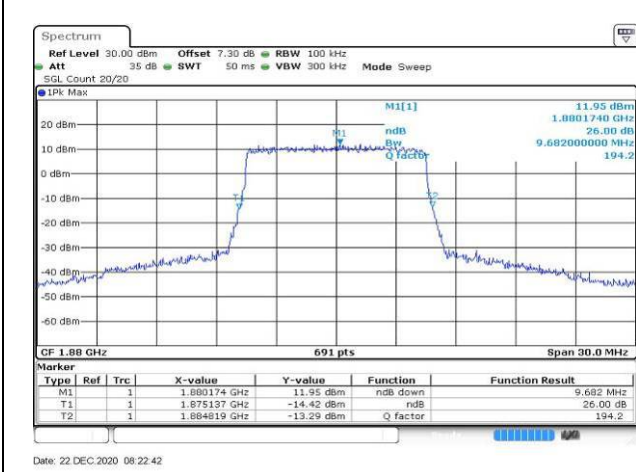


Fig.33

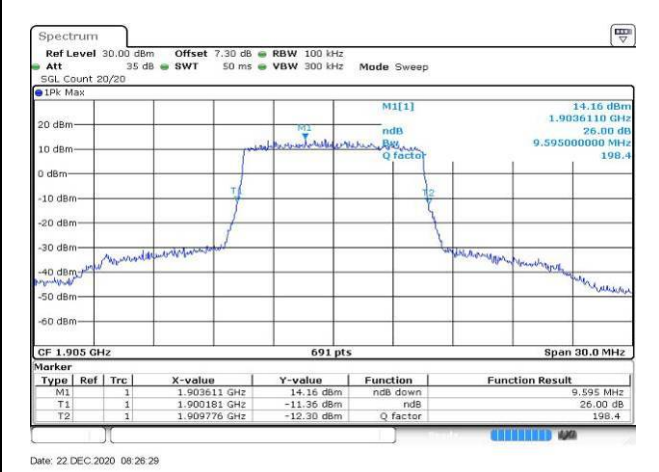


Fig.34

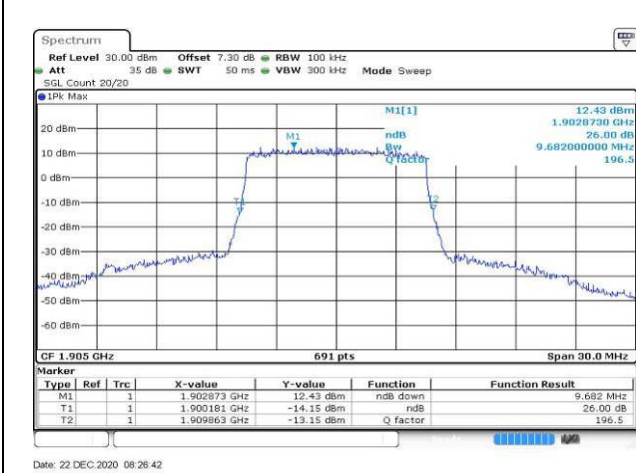


Fig.35

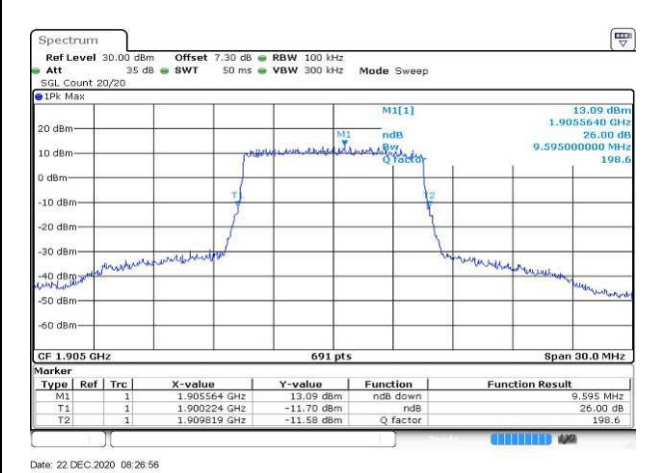


Fig.36

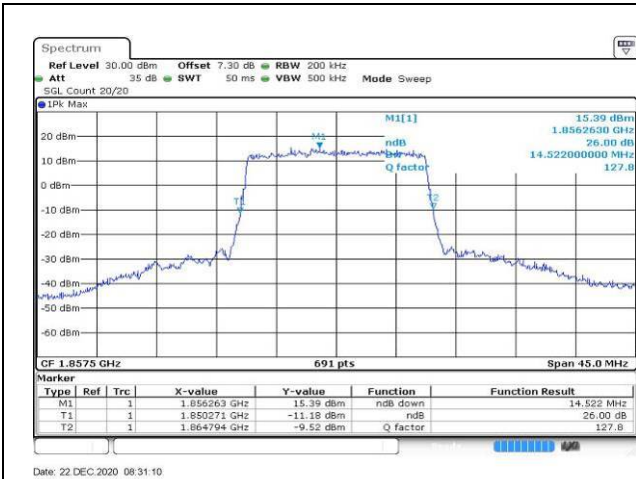


Fig.37

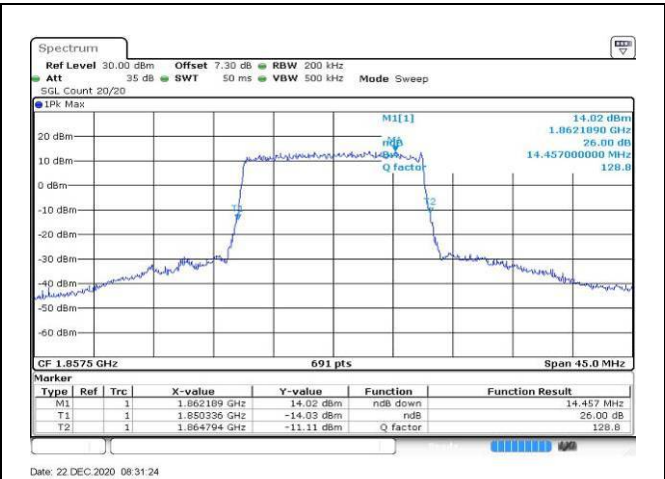


Fig.38

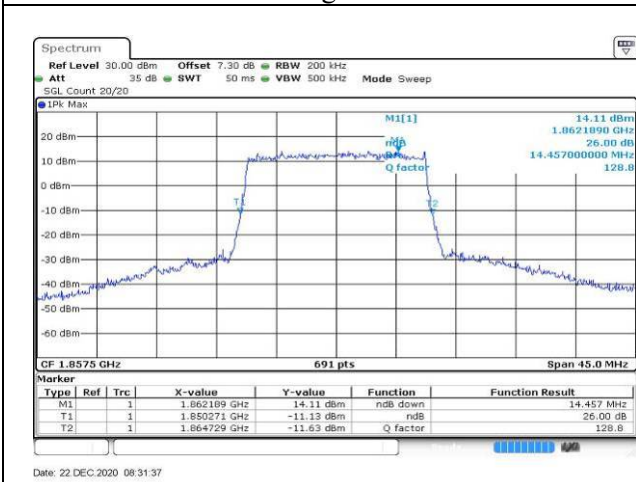


Fig.39

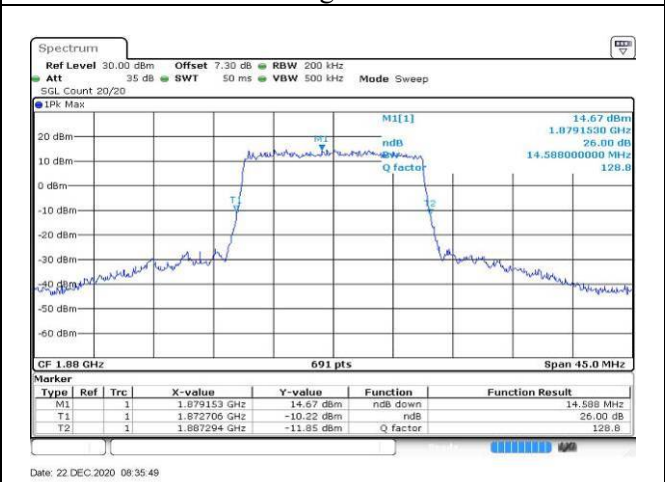


Fig.40



Fig.41

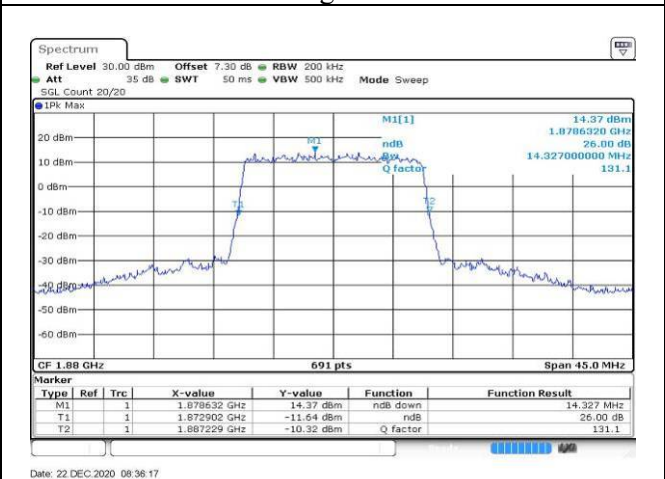


Fig.42

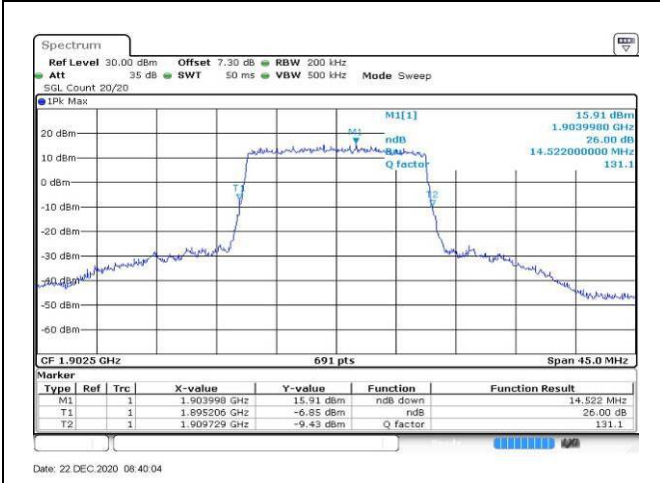


Fig.43

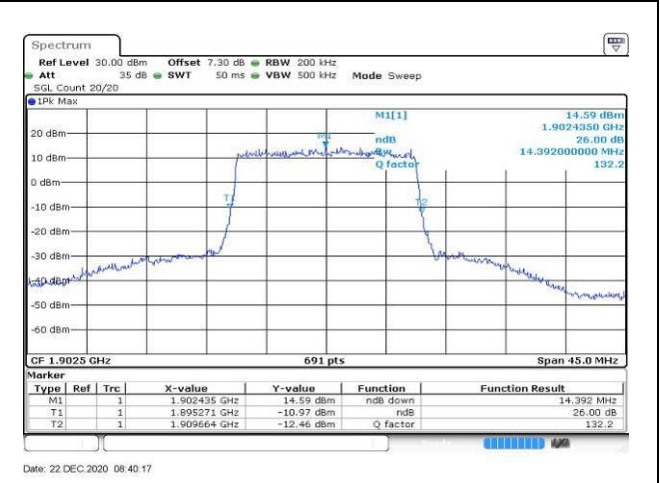


Fig.44

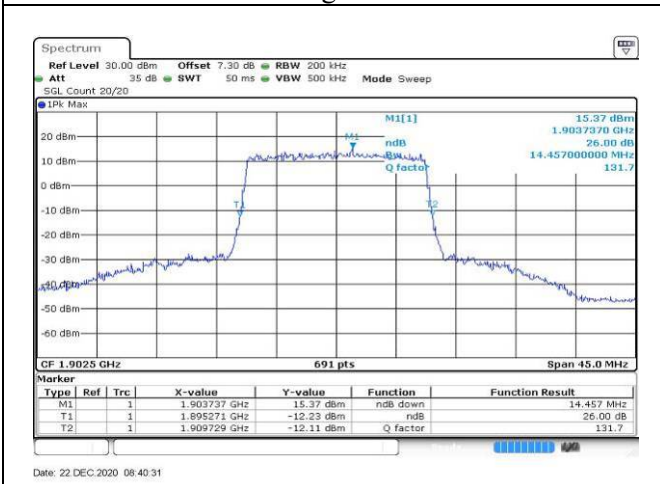


Fig.45

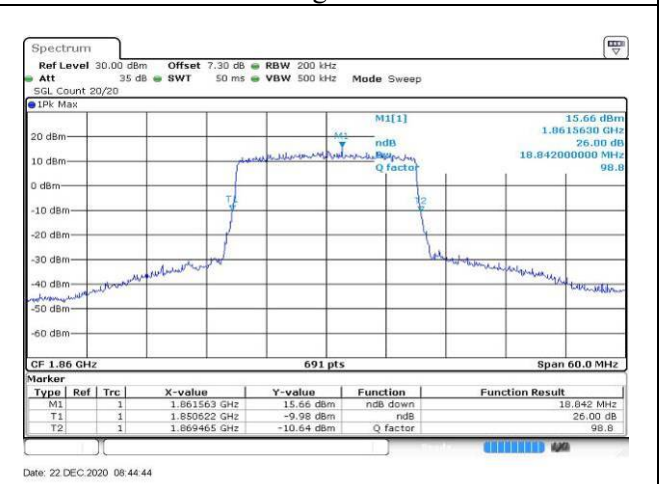


Fig.46

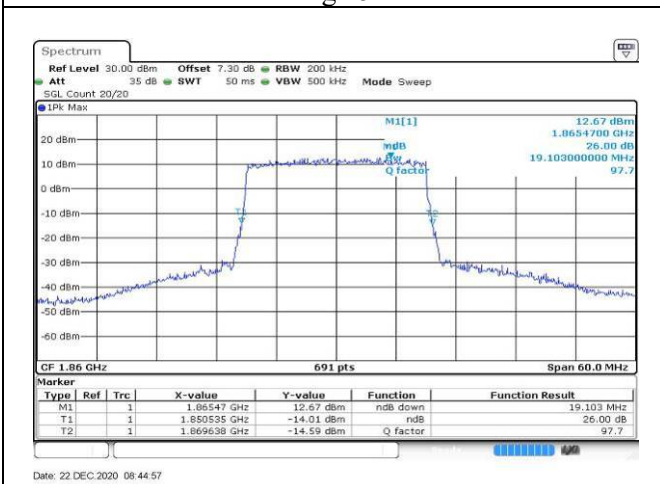


Fig.47

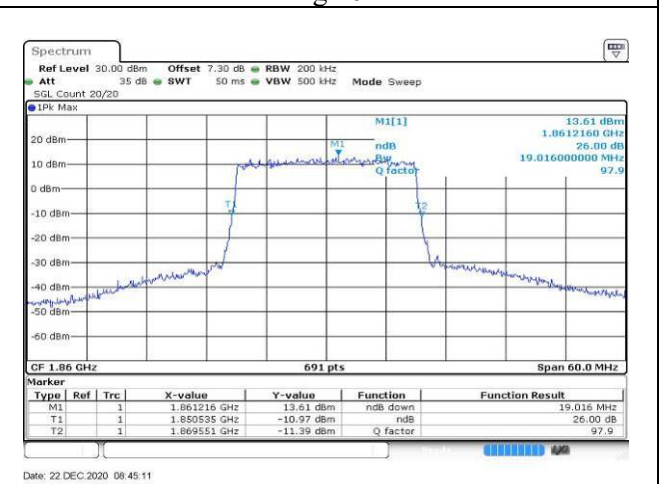


Fig.48