

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 25

1 RF Power Output

Rx Power Output							
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1850.7	26047	1.4	1	0	23.22	
				1	3	23.21	
				1	5	23.19	
				3	0	23.15	
				3	1	23.19	
				3	3	23.19	
				6	0	22.24	
	1882.5	26365		1	0	22.86	
				1	3	22.92	
				1	5	23.02	
				3	0	22.80	
				3	1	22.99	
				3	3	22.95	
				6	0	21.95	
	1914.3	26683		1	0	23.21	
				1	3	23.32	
				1	5	23.30	
				3	0	23.22	
				3	1	23.24	
				3	3	23.24	
				6	0	22.31	
	16QAM	1850.7		26047	1	0	22.35
					1	3	22.31
					1	5	22.37
3			0		22.23		
3			1		22.34		
3			3		22.42		
6			0		21.20		
1882.5		26365	1	0	21.96		
			1	3	22.14		
			1	5	22.13		
			3	0	22.16		
			3	1	22.27		
			3	3	22.30		
			6	0	21.00		
1914.3		26683	1	0	22.32		
			1	3	22.42		
			1	5	22.48		
			3	0	22.20		
			3	1	22.27		
			3	3	22.30		
			6	0	21.35		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1850.7	26047	1.4	1	0	21.21
				1	3	21.17
				1	5	21.16
				3	0	21.15
				3	1	21.23
				3	3	21.19
				6	0	21.14
	1882.5	26365		1	0	21.00
				1	3	21.00
				1	5	21.02
				3	0	21.00
				3	1	21.01
				3	3	21.01
				6	0	20.96
	1914.3	26683		1	0	21.39
				1	3	21.36
				1	5	21.39
				3	0	21.36
				3	1	21.40
				3	3	21.37
				6	0	21.36

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	26055	3	1	0	23.10
				1	8	23.23
				1	14	23.21
				8	0	22.23
				8	4	22.28
				8	7	22.28
				15	0	22.29
	1882.5	26365		1	0	22.99
				1	8	23.12
				1	14	23.18
				8	0	22.01
				8	4	22.16
				8	7	22.16
				15	0	22.03
	1913.5	26675		1	0	23.18
				1	8	23.34
				1	14	23.32
				8	0	22.31
				8	4	22.42
				8	7	22.42
				15	0	22.37
16QAM	1851.5	26055	1	0	22.80	
			1	8	22.86	
			1	14	22.86	
			8	0	21.44	
			8	4	21.51	
			8	7	21.49	
			15	0	21.35	
	1882.5	26365	1	0	22.15	
			1	8	22.36	
			1	14	22.25	
			8	0	20.99	
			8	4	21.12	
			8	7	21.12	
			15	0	21.02	
	1913.5	26675	1	0	22.43	
			1	8	22.52	
			1	14	22.52	
			8	0	21.40	
			8	4	21.49	
			8	7	21.49	
			15	0	21.43	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1851.5	26055	3	1	0	21.26
				1	8	21.35
				1	14	21.41
				8	0	21.38
				8	4	21.34
				8	7	21.34
				15	0	21.92
	1882.5	26365		1	0	21.02
				1	8	20.99
				1	14	21.02
				8	0	21.05
				8	4	21.05
				8	7	21.06
				15	0	20.98
	1913.5	26675		1	0	21.44
				1	8	21.43
				1	14	21.47
				8	0	21.47
				8	4	21.47
				8	7	21.46
				15	0	21.46

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	26065	5	1	0	23.19
				1	12	23.12
				1	24	23.11
				12	0	22.22
				12	7	22.28
				12	13	22.28
				25	0	22.27
	1882.5	26365		1	0	22.92
				1	12	23.06
				1	24	23.05
				12	0	21.99
				12	7	22.18
				12	13	22.18
				25	0	22.09
	1912.5	26665		1	0	23.35
				1	12	23.35
				1	24	23.33
				12	0	22.36
				12	7	22.46
				12	13	22.45
				25	0	22.43
16QAM	1852.5	26065	1	0	22.32	
			1	12	22.17	
			1	24	22.26	
			12	0	21.24	
			12	7	21.25	
			12	13	21.26	
			25	0	21.30	
	1882.5	26365	1	0	22.33	
			1	12	22.41	
			1	24	22.48	
			12	0	21.08	
			12	7	21.25	
			12	13	21.30	
			25	0	21.08	
	1912.5	26665	1	0	22.46	
			1	12	22.48	
			1	24	22.60	
			12	0	21.31	
			12	7	21.43	
			12	13	21.44	
			25	0	21.44	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1852.5	26065	5	1	0	21.36
				1	12	21.33
				1	24	21.33
				12	0	21.34
				12	7	21.33
				12	13	21.33
	25	0		21.32		
	1882.5	26365		1	0	21.07
				1	12	21.07
				1	24	21.07
				12	0	21.08
				12	7	21.08
				12	13	21.07
	25	0		21.07		
	1912.5	26665		1	0	21.44
				1	12	21.45
				1	24	21.45
				12	0	21.45
				12	7	21.38
				12	13	21.44
				25	0	21.47

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1855	26090	10	1	0	23.27
				1	25	23.12
				1	49	23.22
				25	0	22.25
				25	12	22.15
				25	25	22.23
				50	0	22.20
	1882.5	26365		1	0	23.03
				1	25	23.13
				1	49	23.11
				25	0	22.04
				25	12	22.19
				25	25	22.11
				50	0	22.12
	1910	26640		1	0	23.23
				1	25	23.24
				1	49	23.48
				25	0	22.26
				25	12	22.41
				25	25	22.38
				50	0	22.26
16QAM	1855	26090		1	0	22.85
				1	25	22.61
				1	49	22.62
				25	0	21.30
				25	12	21.26
				25	25	21.20
				50	0	21.25
	1882.5	26365	1	0	22.29	
			1	25	22.37	
			1	49	22.26	
			25	0	21.12	
			25	12	21.17	
			25	25	21.21	
			50	0	21.11	
	1910	26640	1	0	22.39	
			1	25	22.56	
			1	49	22.56	
			25	0	21.37	
			25	12	21.59	
			25	25	21.51	
			50	0	21.38	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1855	26090	10	1	0	21.27
				1	25	21.22
				1	49	21.23
				25	0	21.22
				25	12	21.26
				25	25	21.20
	1882.5	26365		50	0	21.25
				1	0	21.11
				1	25	21.13
				1	49	21.01
				25	0	21.07
				25	12	21.08
	1910	26640		25	25	21.01
				50	0	21.11
				1	0	21.35
				1	25	21.31
				1	49	21.34
				25	0	21.37
				25	12	21.34
				25	25	21.39
				50	0	21.42

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1857.5	26115	15	1	0	23.17	
				1	37	23.04	
				1	74	23.03	
				36	0	22.22	
				36	29	22.13	
				36	30	22.12	
				75	0	22.20	
	1882.5	26365		1	0	23.08	
				1	37	23.02	
				1	74	23.18	
				36	0	22.06	
				36	29	22.12	
				36	30	22.14	
				75	0	22.08	
	1907.5	26615		1	0	23.26	
				1	37	23.25	
				1	74	23.32	
				36	0	22.30	
				36	29	22.38	
				36	30	22.44	
				75	0	22.28	
	16QAM	1857.5		26115	1	0	22.82
					1	37	22.68
					1	74	22.78
36					0	21.21	
36					29	21.15	
36					30	21.19	
75					0	21.21	
1882.5		26365		1	0	22.35	
				1	37	22.16	
			1	74	22.33		
			36	0	21.12		
			36	29	21.18		
			36	30	21.21		
			75	0	21.15		
1907.5		26615	1	0	22.81		
			1	37	22.86		
			1	74	22.85		
			36	0	21.26		
			36	29	21.40		
			36	30	21.33		
			75	0	21.28		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1857.5	26115	15	1	0	21.23
				1	37	21.21
				1	74	21.21
				36	0	21.21
				36	29	21.22
				36	30	21.10
				75	0	21.23
	1882.5	26365		1	0	21.12
				1	37	21.04
				1	74	21.08
				36	0	21.09
				36	29	21.11
				36	30	21.09
				75	0	21.08
	1907.5	26615		1	0	21.28
				1	37	21.29
				1	74	21.30
				36	0	21.27
				36	29	21.31
				36	30	21.34
				75	0	21.32

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1860	26140	20	1	0	23.29	
				1	49	23.02	
				1	99	23.01	
				50	0	22.13	
				50	24	22.03	
				50	50	22.06	
				100	0	22.25	
	1882.5	26365		1	0	23.03	
				1	49	23.26	
				1	99	23.18	
				50	0	22.04	
				50	24	22.17	
				50	50	22.14	
				100	0	22.14	
	1905	26590		1	0	23.23	
				1	49	23.32	
				1	99	23.33	
				50	0	22.30	
				50	24	22.43	
				50	50	22.43	
				100	0	22.32	
	16QAM	1860		26140	1	0	22.67
					1	49	22.38
					1	99	22.39
50					0	21.09	
50					24	21.15	
50					50	21.11	
100					0	21.20	
1882.5		26365		1	0	22.31	
				1	49	22.45	
				1	99	22.52	
				50	0	21.04	
				50	24	21.11	
				50	50	21.15	
				100	0	21.06	
1905		26590		1	0	22.94	
				1	49	22.87	
				1	99	23.08	
				50	0	21.29	
				50	24	21.40	
				50	50	21.44	
				100	0	21.36	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1860	26140	20	1	0	21.24
				1	49	21.16
				1	99	21.23
				50	0	21.23
				50	24	21.18
				50	50	21.20
	100	0		21.17		
	1	49		21.16		
	1	99		21.10		
	50	0		21.15		
	50	24		21.11		
	50	50		21.14		
	100	0		21.10		
	1	49		21.30		
	1	99		21.32		
	50	0		21.41		
	50	24		21.31		
	50	50		21.35		
	100	0		21.28		

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
25	1850.7	26047	1.4	6	0	1.082	Fig.1	1.082	Fig.2	1.088	Fig.3
	1882.5	26365		6	0	1.082	Fig.4	1.082	Fig.5	1.082	Fig.6
	1914.3	26683		6	0	1.082	Fig.7	1.082	Fig.8	1.082	Fig.9
	1851.5	26055	3	15	0	2.670	Fig.10	2.683	Fig.11	2.683	Fig.12
	1882.5	26365		15	0	2.683	Fig.13	2.683	Fig.14	2.683	Fig.15
	1913.5	26675		15	0	2.683	Fig.16	2.683	Fig.17	2.683	Fig.18
	1852.5	26065	5	25	0	4.472	Fig.19	4.472	Fig.20	4.472	Fig.21
	1882.5	26365		25	0	4.472	Fig.22	4.472	Fig.23	4.472	Fig.24
	1912.5	26665		25	0	4.472	Fig.25	4.472	Fig.26	4.472	Fig.27
	1855	26090	10	50	0	8.900	Fig.28	8.857	Fig.29	8.857	Fig.30
	1882.5	26365		50	0	8.857	Fig.31	8.900	Fig.32	8.900	Fig.33
	1910	26640		50	0	8.944	Fig.34	8.944	Fig.35	8.900	Fig.36
	1857.5	26115	15	75	0	13.480	Fig.37	13.415	Fig.38	13.350	Fig.39
	1882.5	26365		75	0	13.350	Fig.40	13.415	Fig.41	13.415	Fig.42
	1907.5	26615		75	0	13.350	Fig.43	13.415	Fig.44	13.415	Fig.45
	1860	26140	20	100	0	17.800	Fig.46	17.887	Fig.47	17.800	Fig.48
	1882.5	26365		100	0	17.800	Fig.49	17.800	Fig.50	17.887	Fig.51
	1905	26590		100	0	17.887	Fig.52	17.887	Fig.53	17.887	Fig.54

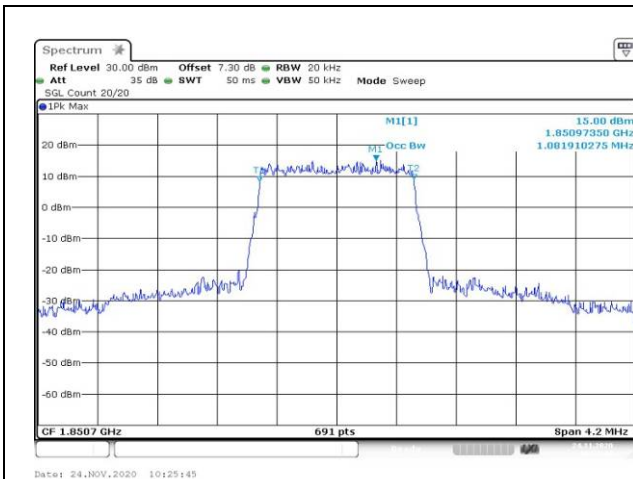


Fig.1

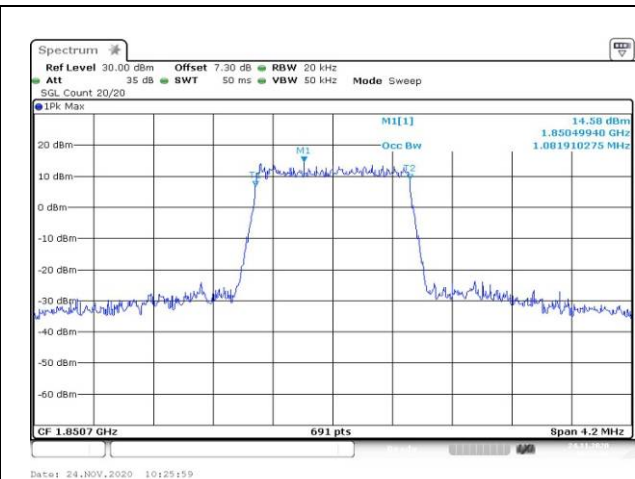


Fig.2

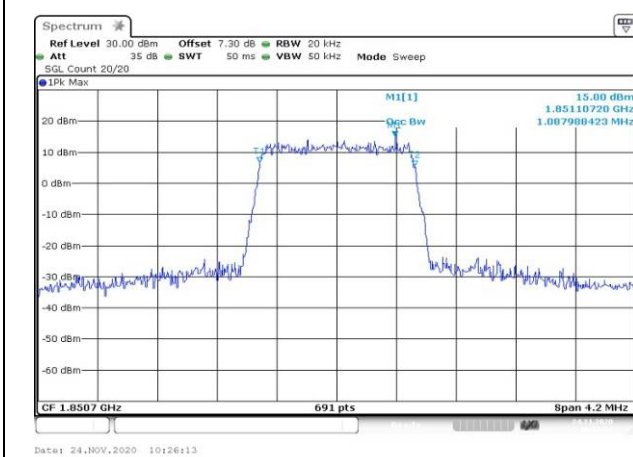


Fig.3

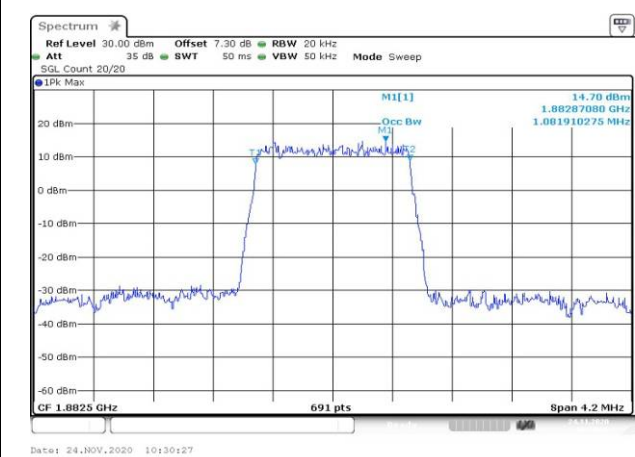


Fig.4

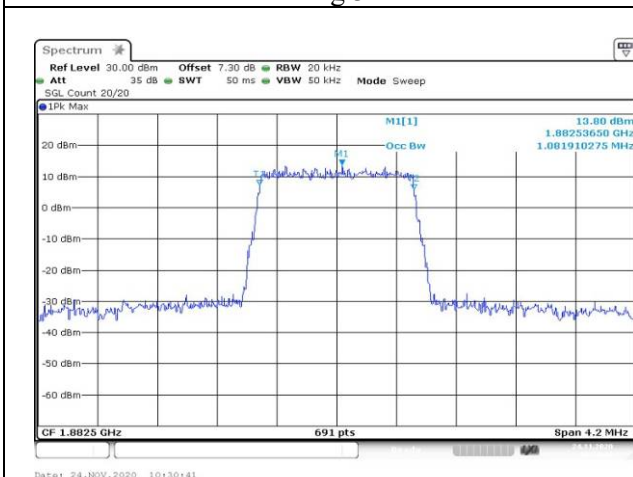


Fig.5

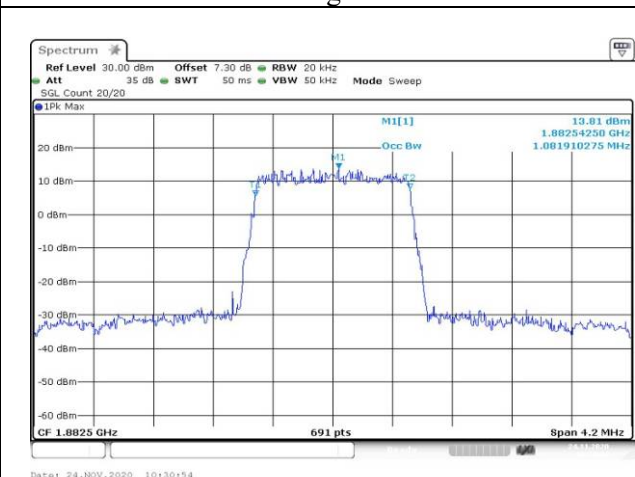
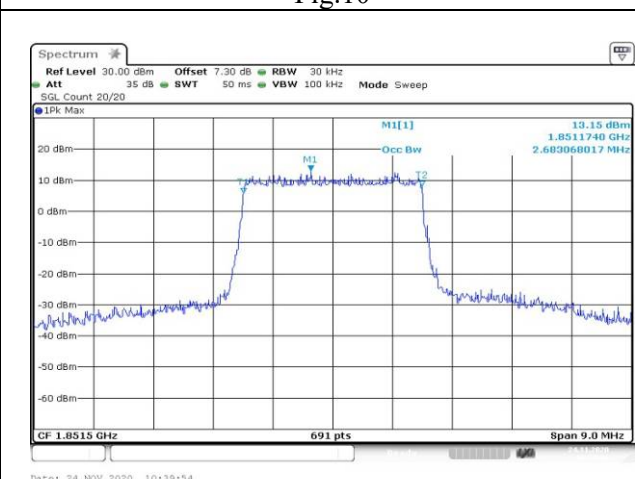
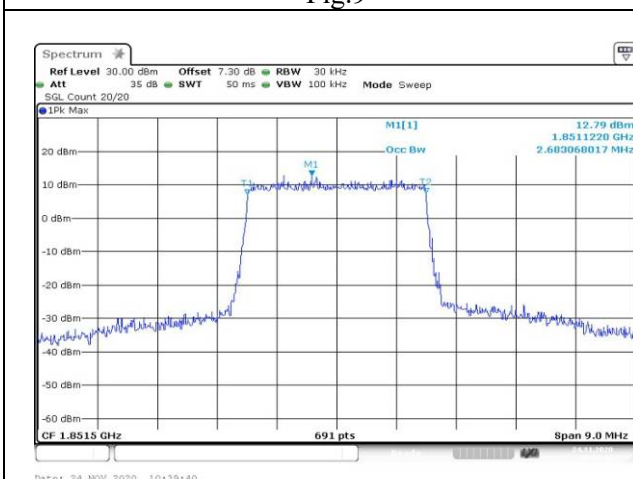
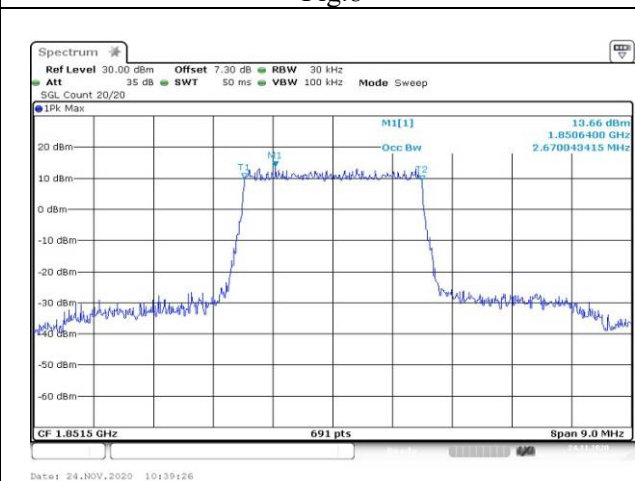
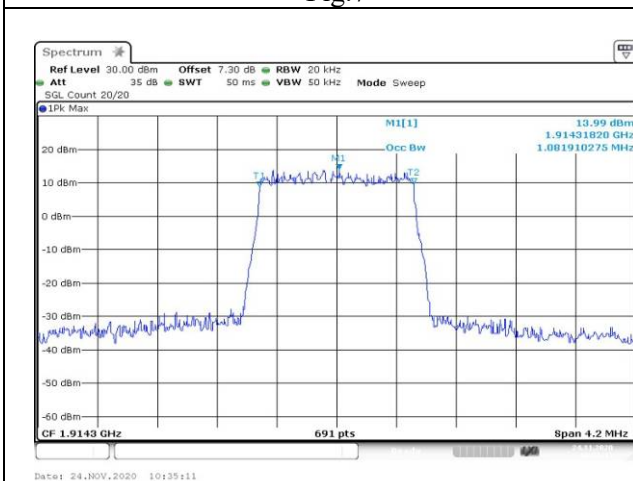
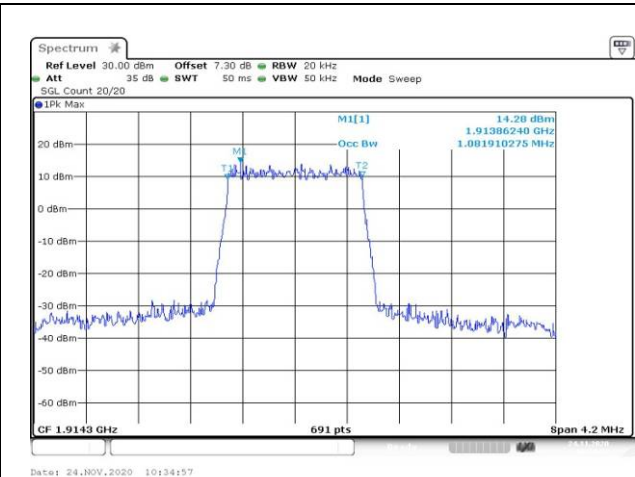
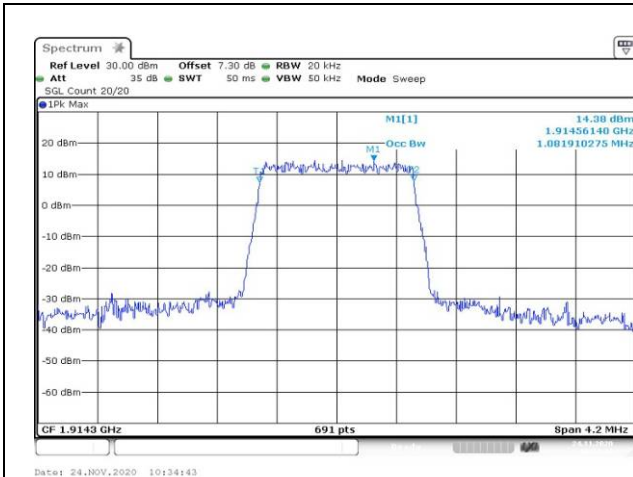
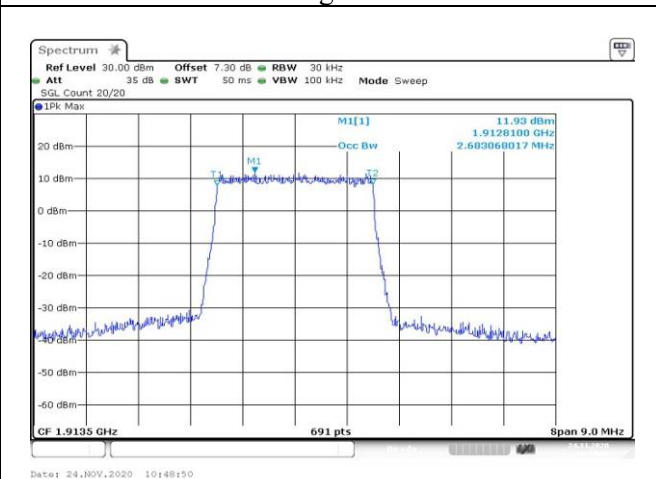
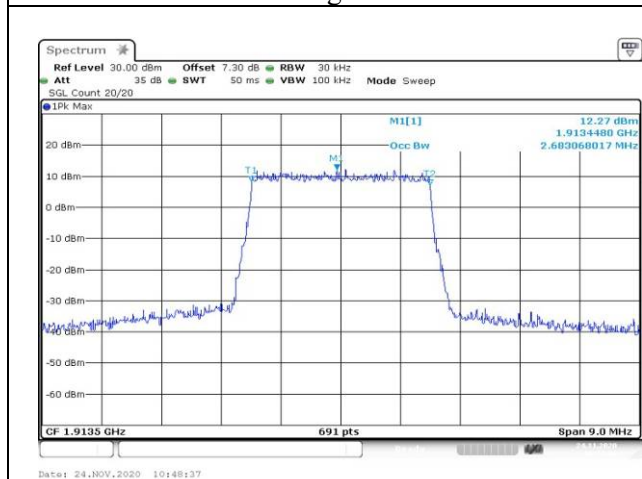
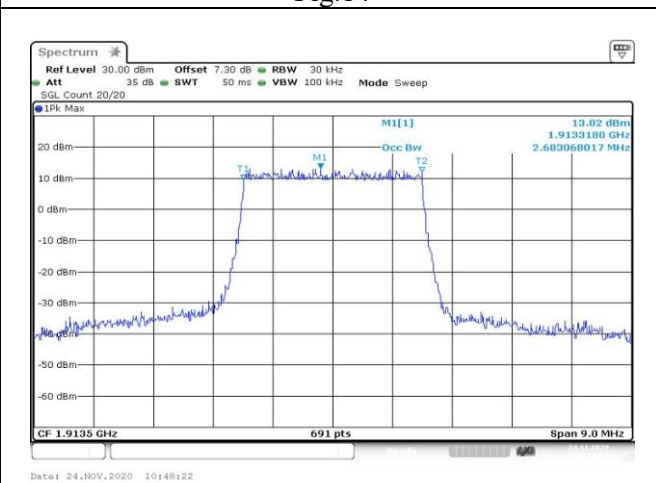
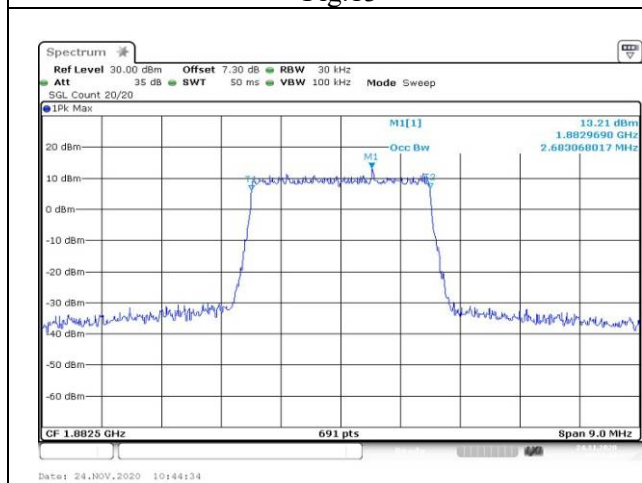
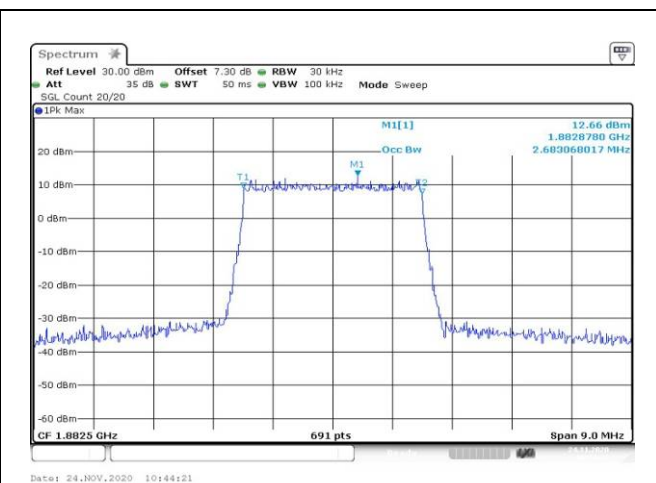
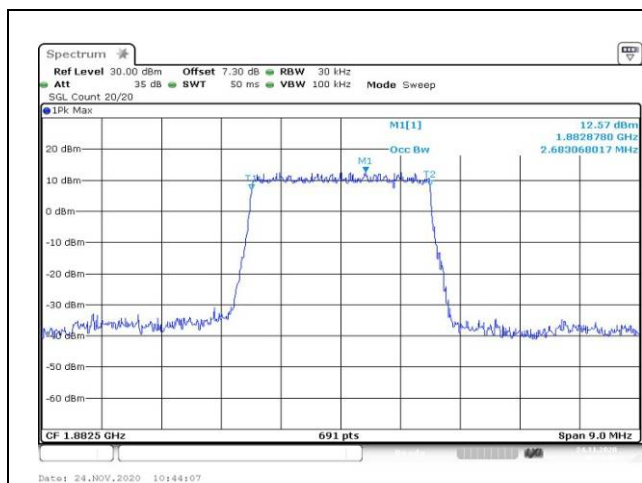


Fig.6





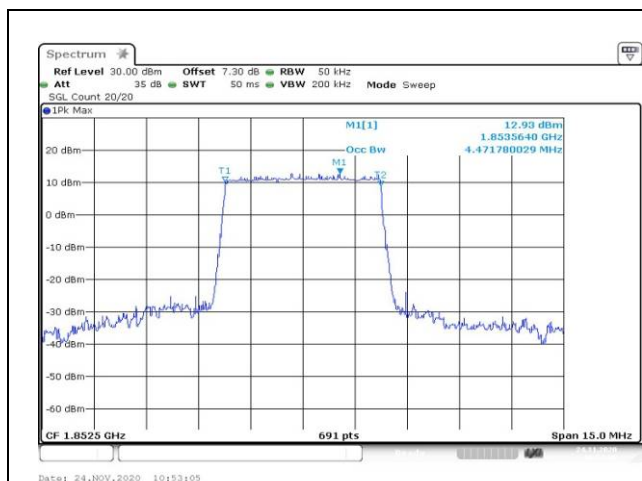


Fig.19

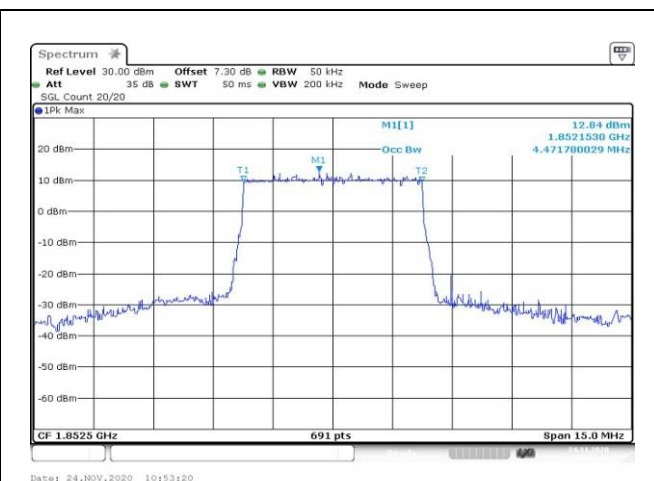


Fig.20

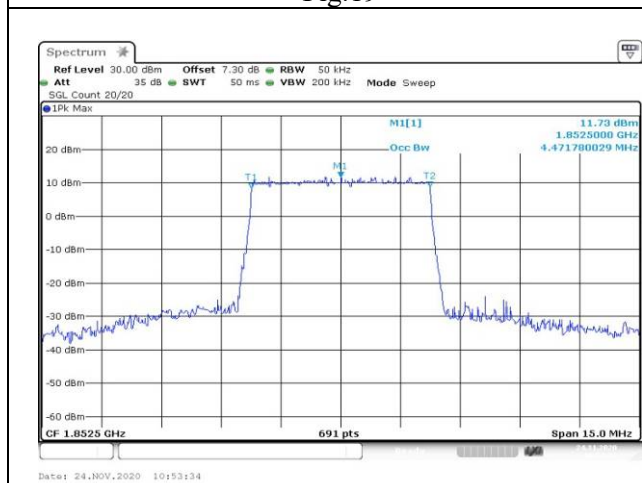


Fig.21

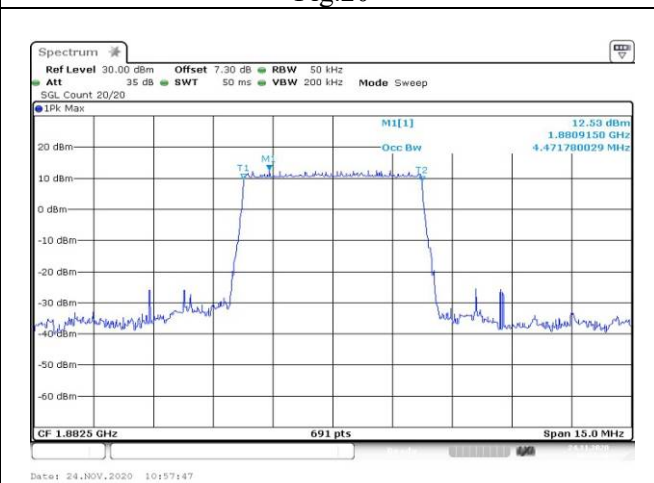


Fig.22

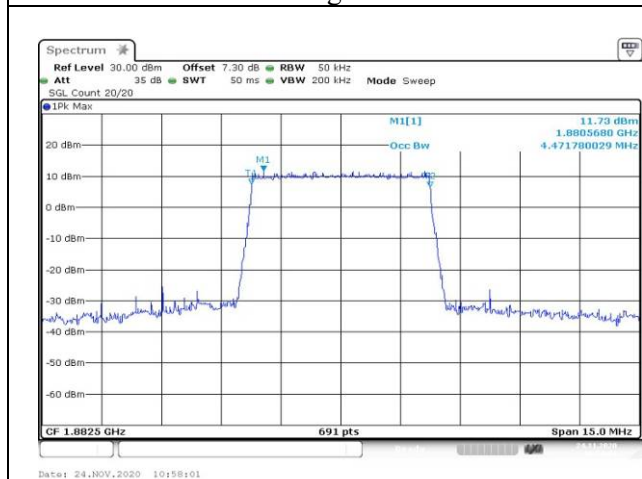


Fig.23

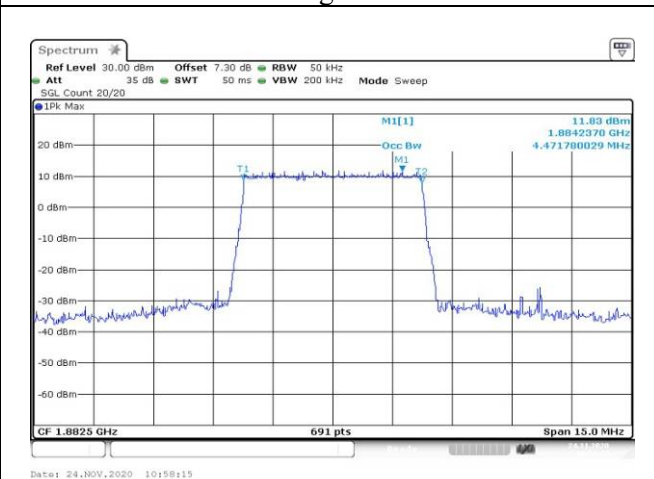


Fig.24

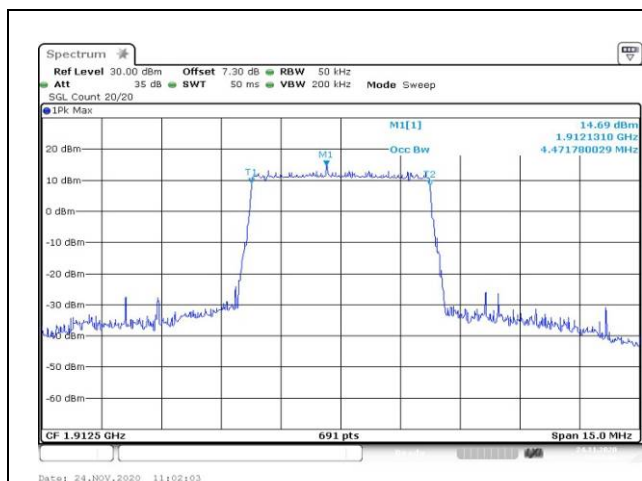


Fig.25

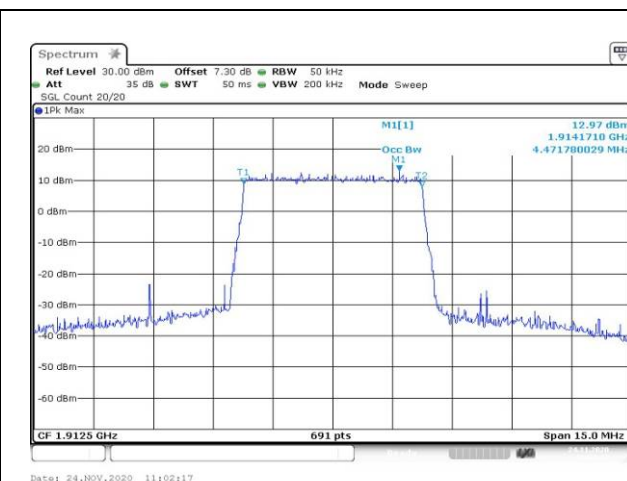


Fig.26

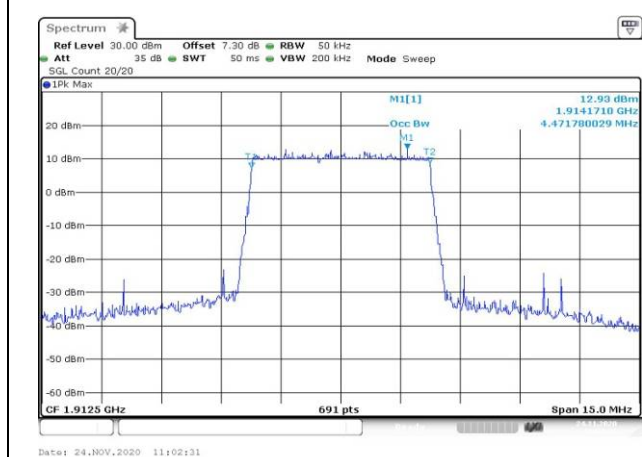


Fig.27

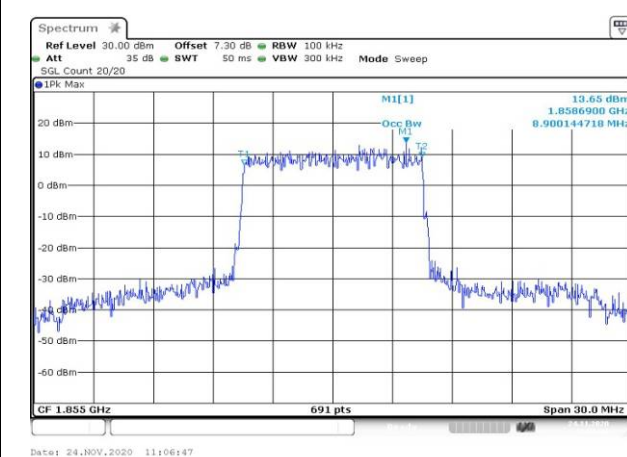


Fig.28

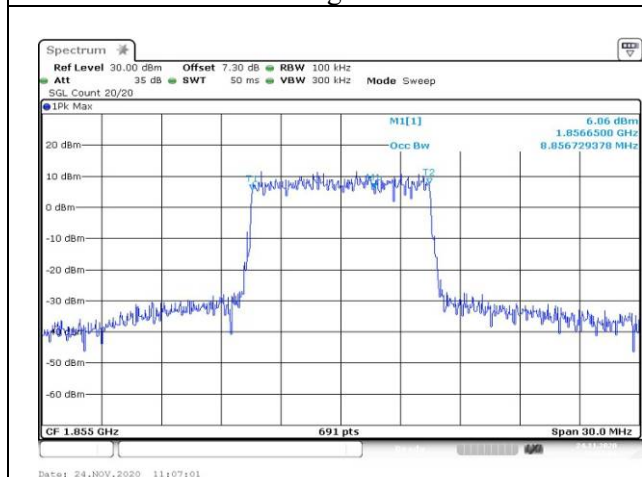


Fig.29

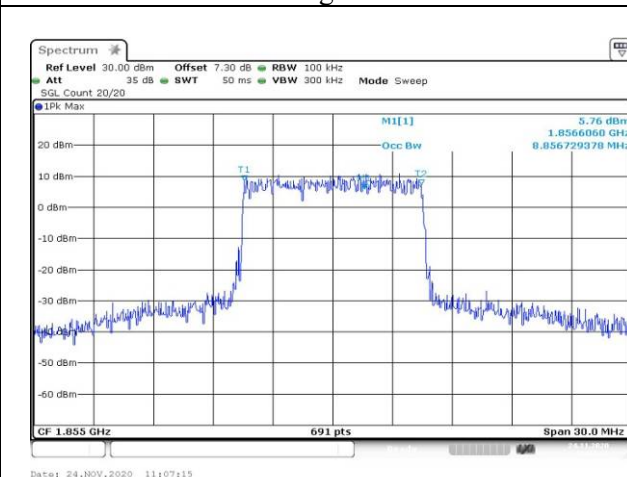
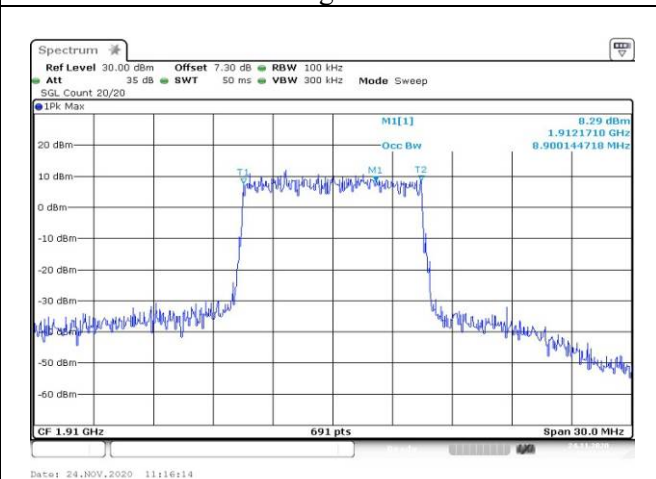
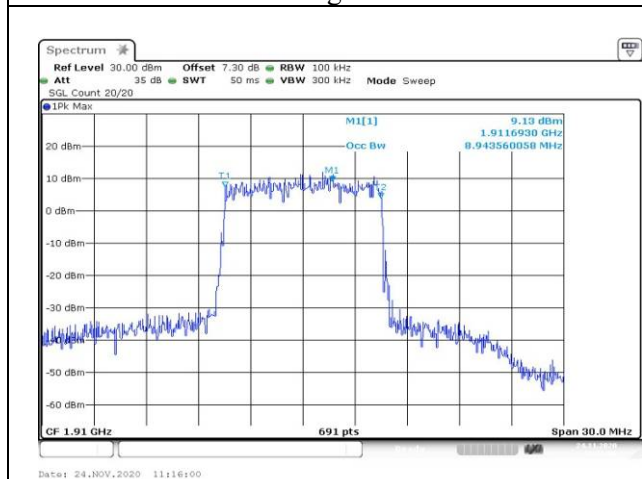
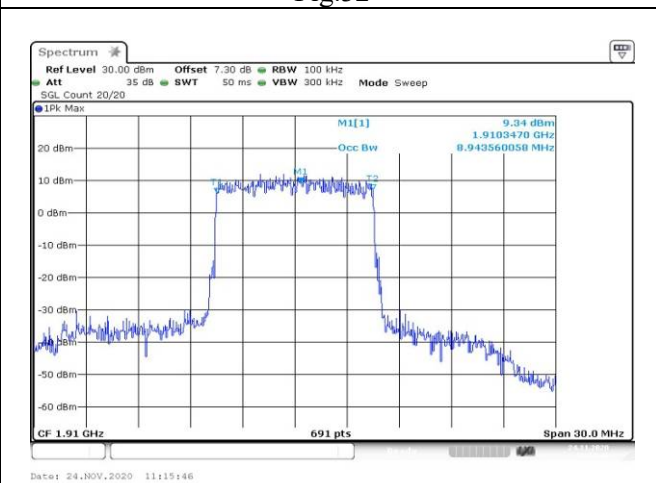
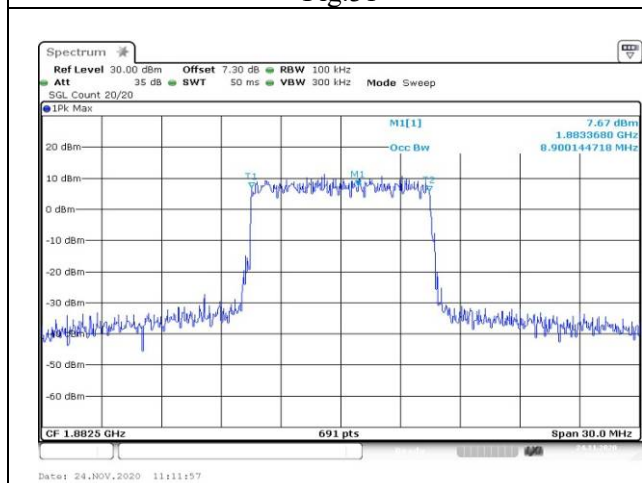
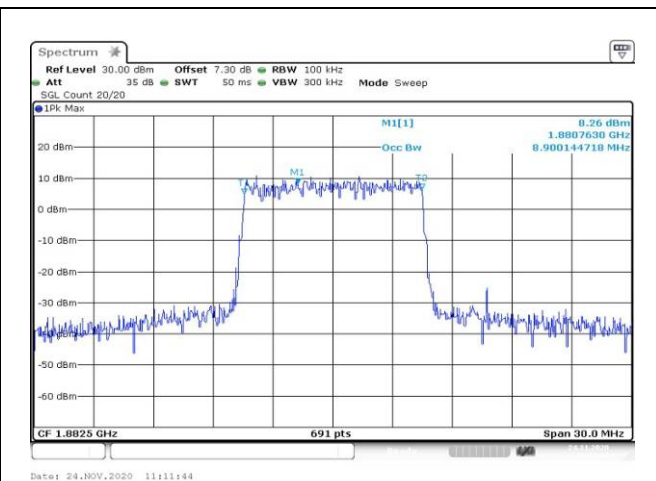
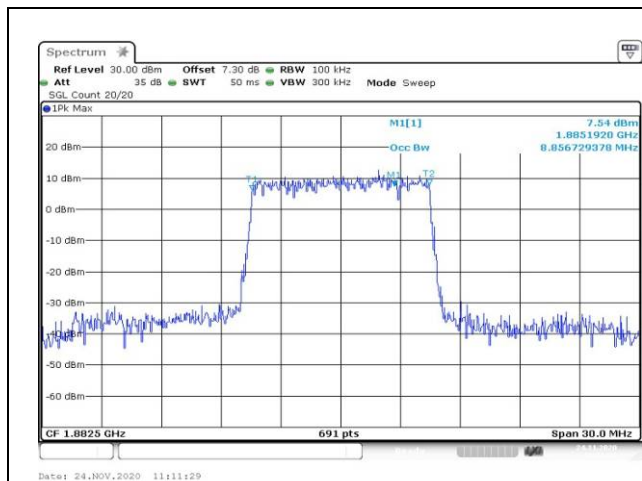
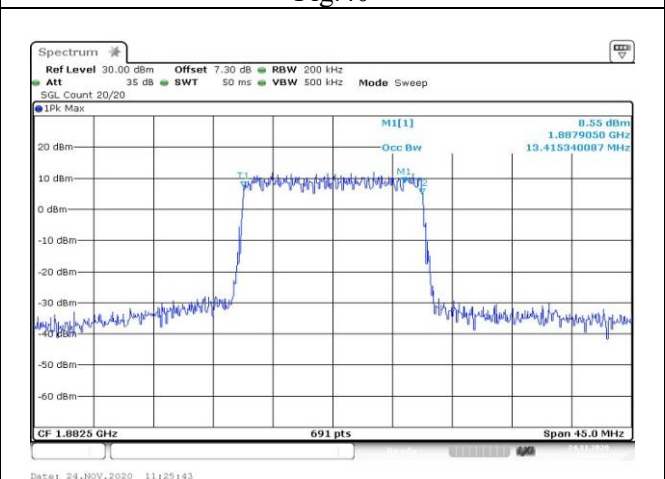
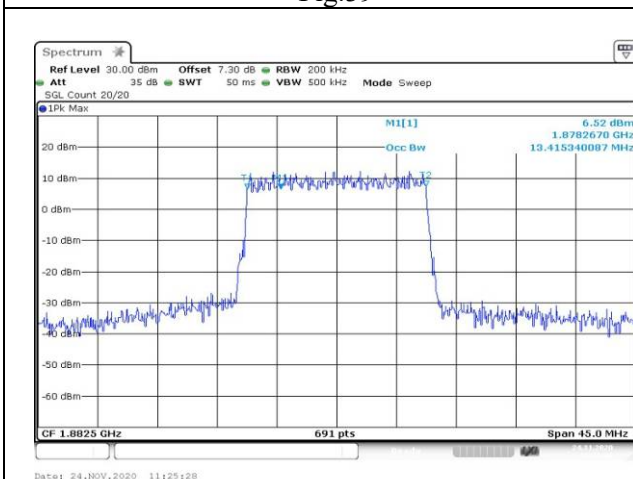
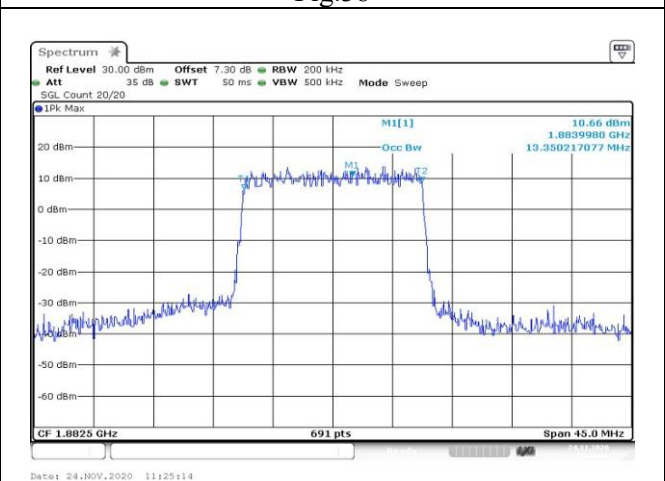
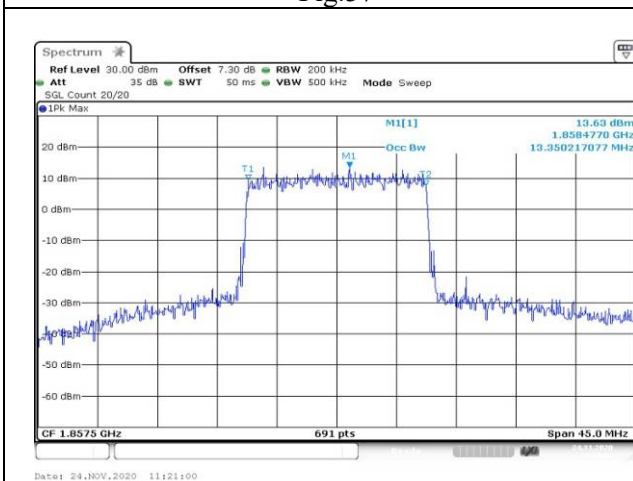
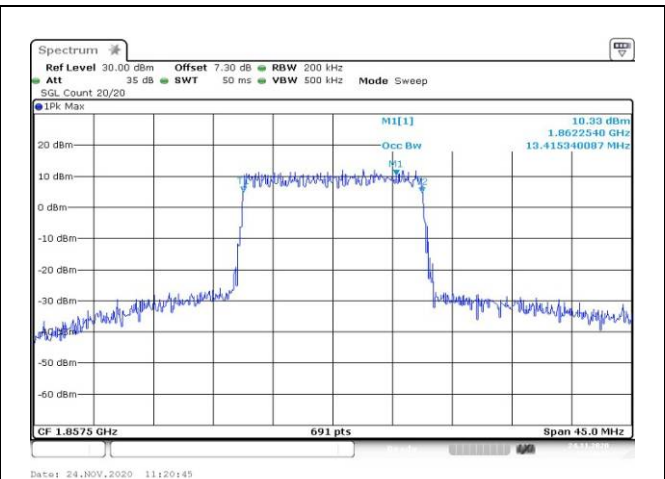
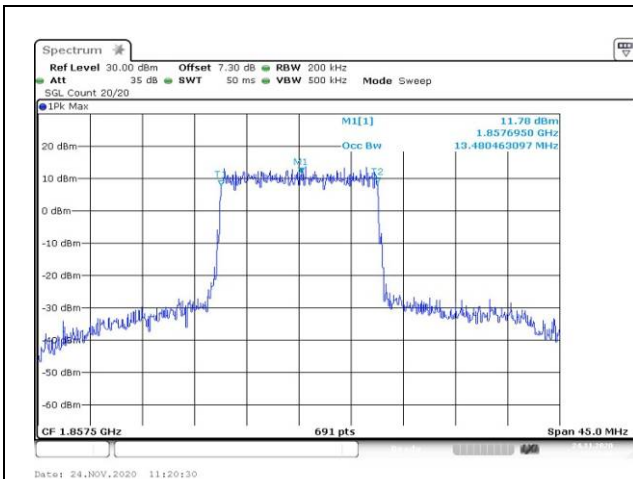


Fig.30





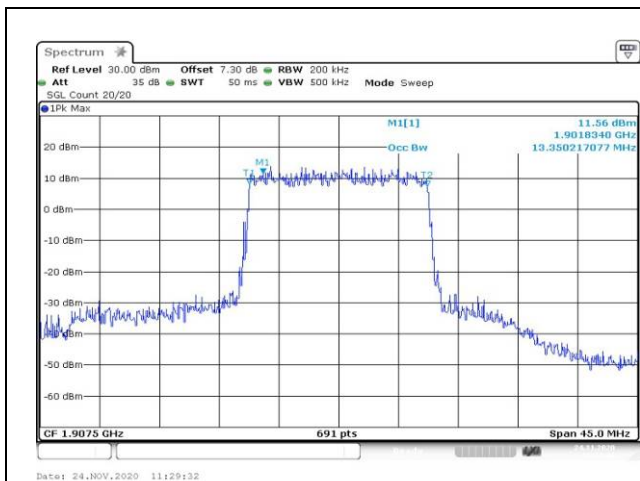


Fig.43

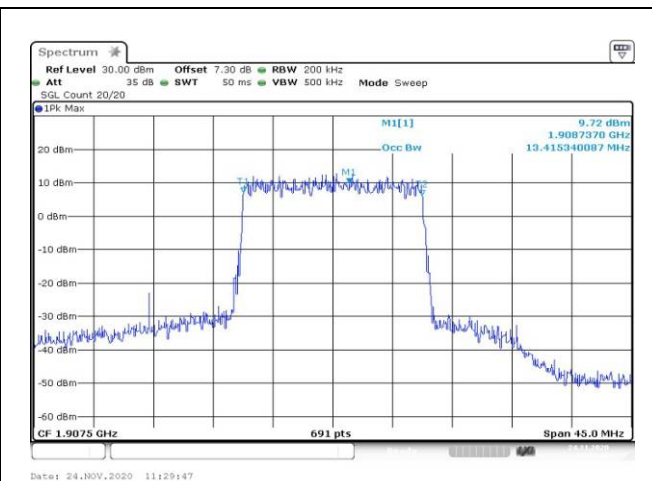


Fig.44

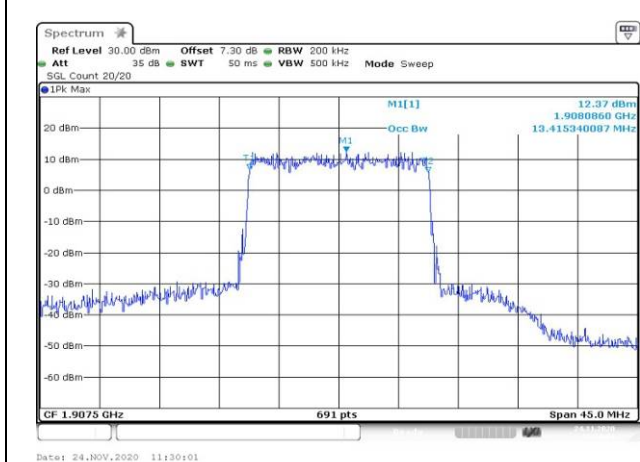


Fig.45

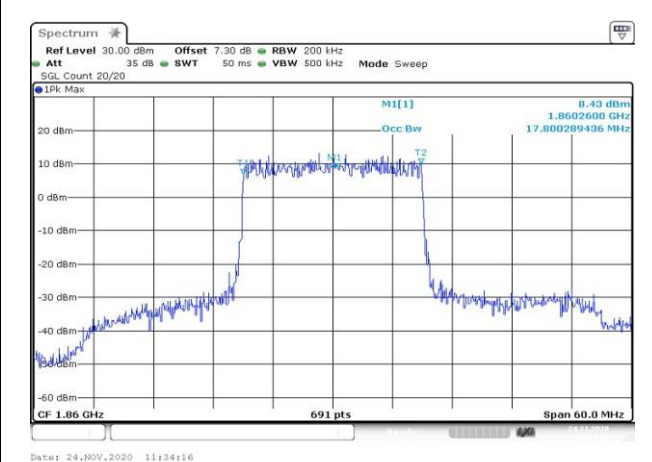


Fig.46

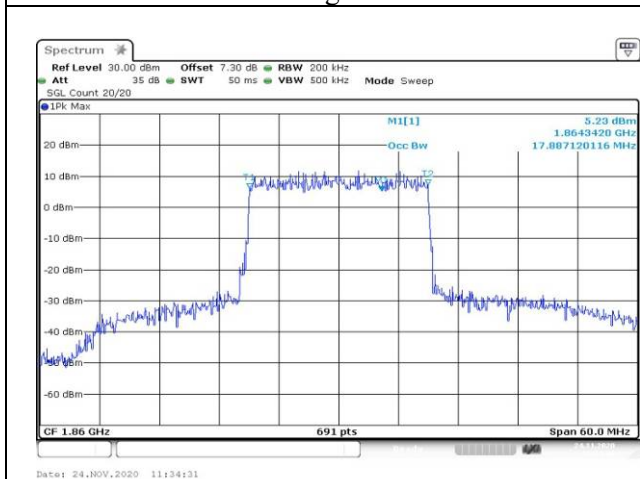


Fig.47

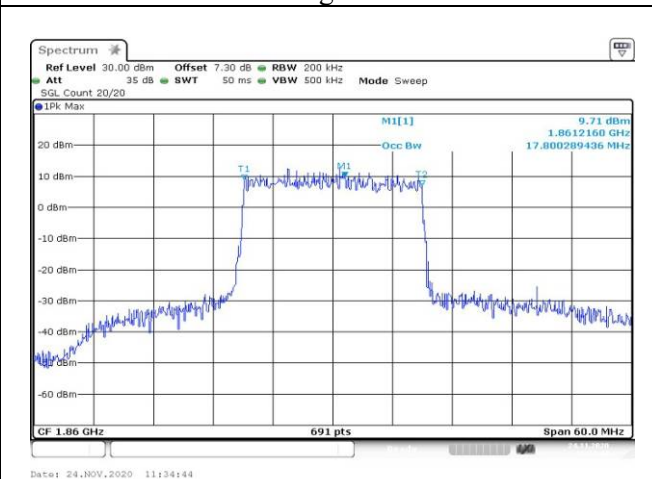


Fig.48

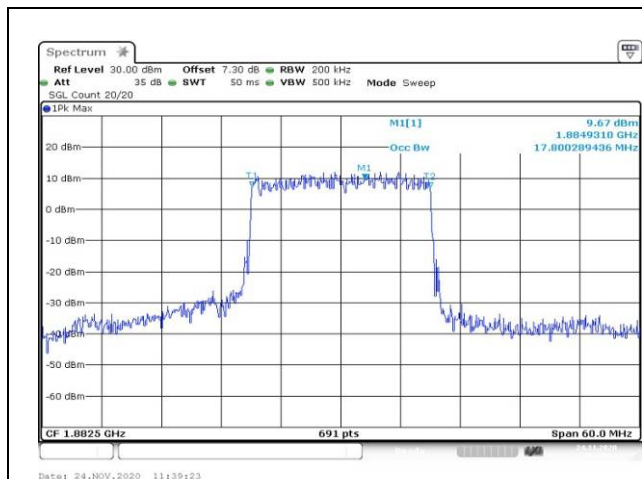


Fig.49

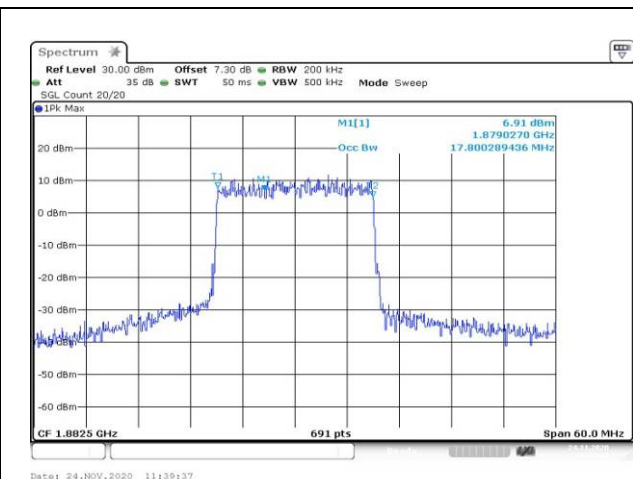


Fig.50

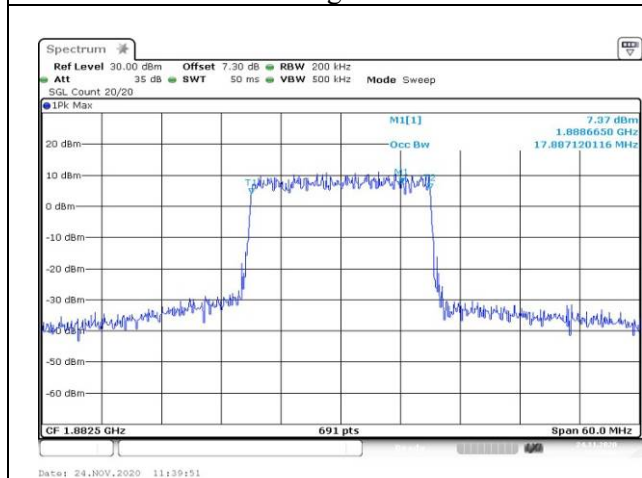


Fig.51

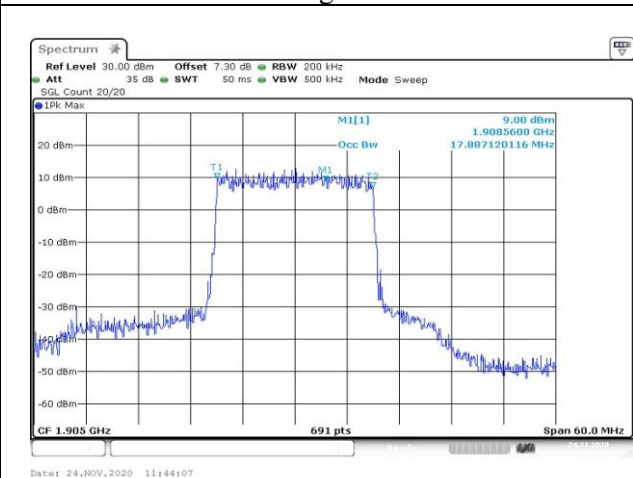


Fig.52

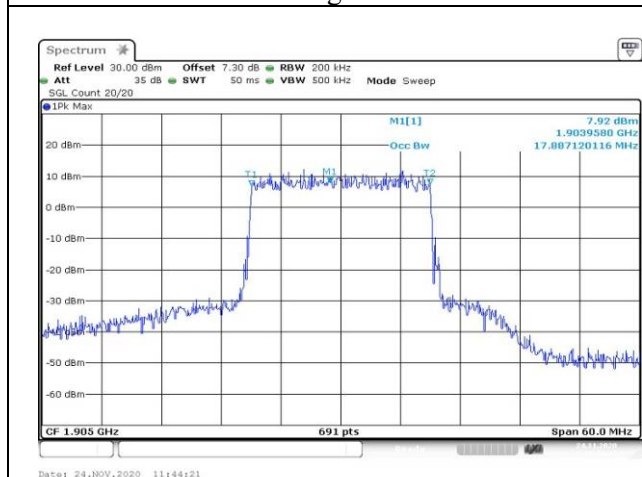


Fig.53

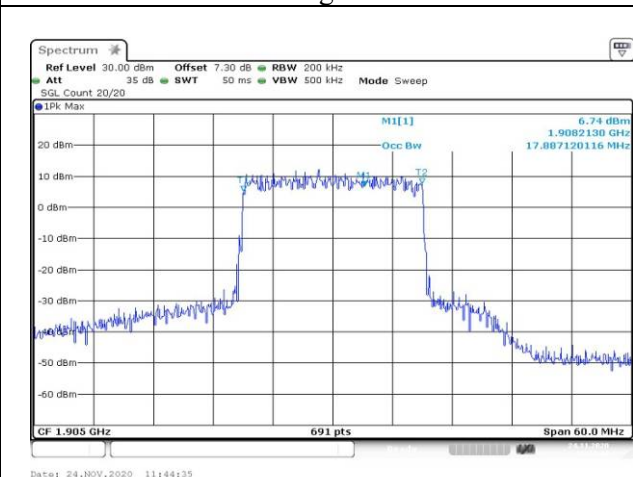


Fig.54

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	
25	1850.7	26047	1.4	6	0	1.222	Fig.1	1.228	Fig.2	1.222	Fig.3
	1882.5	26365		6	0	1.210	Fig.4	1.204	Fig.5	1.210	Fig.6
	1914.3	26683		6	0	1.228	Fig.7	1.210	Fig.8	1.216	Fig.9
	1851.5	26055	3	15	0	2.918	Fig.10	2.878	Fig.11	2.891	Fig.12
	1882.5	26365		15	0	2.918	Fig.13	2.904	Fig.14	2.918	Fig.15
	1913.5	26675		15	0	2.918	Fig.16	2.931	Fig.17	2.904	Fig.18
	1852.5	26065	5	25	0	4.841	Fig.19	4.884	Fig.20	4.776	Fig.21
	1882.5	26365		25	0	4.863	Fig.22	4.863	Fig.23	4.863	Fig.24
	1912.5	26665		25	0	4.776	Fig.25	4.819	Fig.26	4.863	Fig.27
	1855	26090	10	50	0	9.682	Fig.28	9.551	Fig.29	9.595	Fig.30
	1882.5	26365		50	0	9.508	Fig.31	9.595	Fig.32	9.551	Fig.33
	1910	26640		50	0	9.638	Fig.34	9.551	Fig.35	9.638	Fig.36
	1857.5	26115	15	75	0	14.457	Fig.37	14.457	Fig.38	14.522	Fig.39
	1882.5	26365		75	0	14.457	Fig.40	14.392	Fig.41	14.588	Fig.42
	1907.5	26615		75	0	14.522	Fig.43	14.522	Fig.44	14.522	Fig.45
	1860	26140	20	100	0	19.016	Fig.46	19.016	Fig.47	19.190	Fig.48
	1882.5	26365		100	0	18.929	Fig.49	19.190	Fig.50	19.190	Fig.51
	1905	26590		100	0	19.190	Fig.52	19.190	Fig.53	19.103	Fig.54

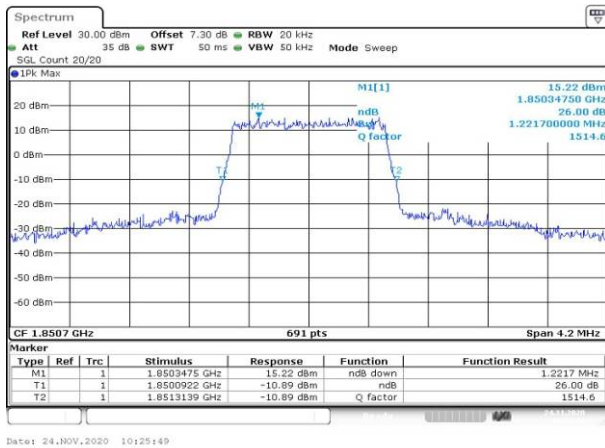


Fig.1

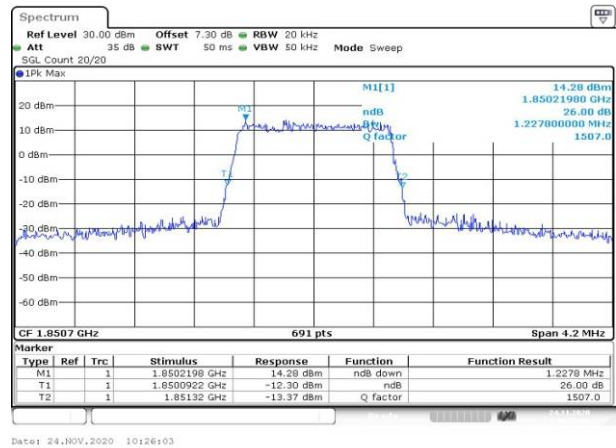


Fig.2

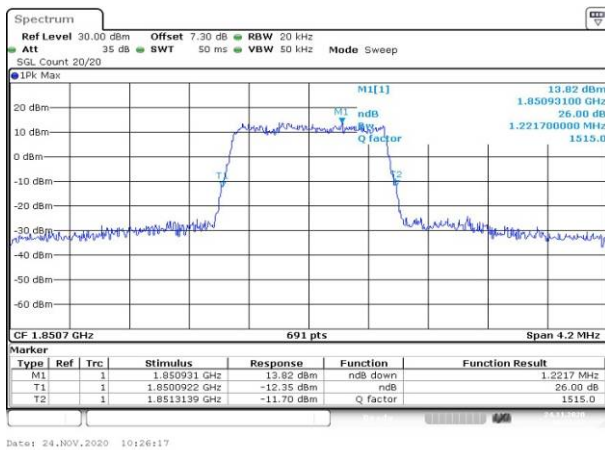


Fig.3

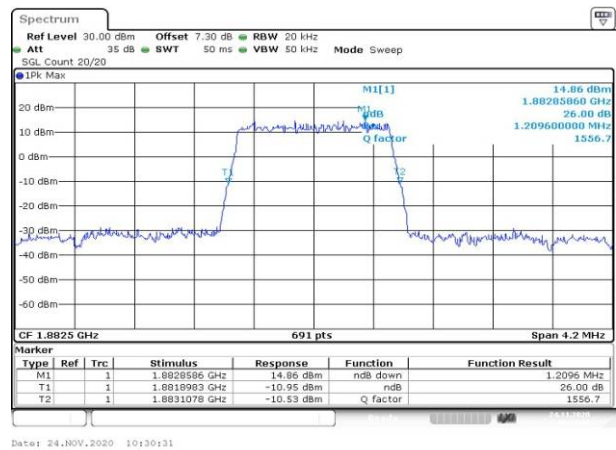


Fig.4

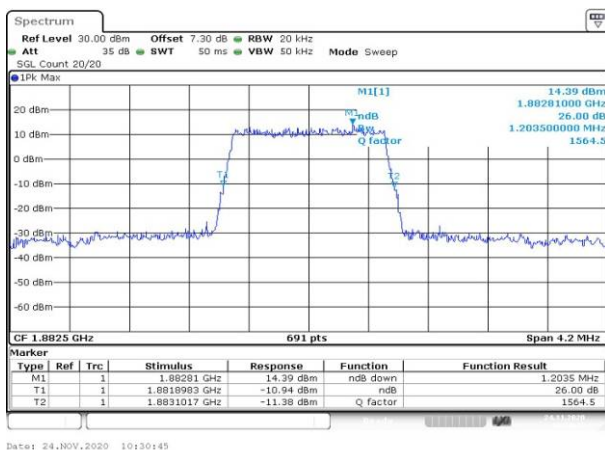


Fig.5

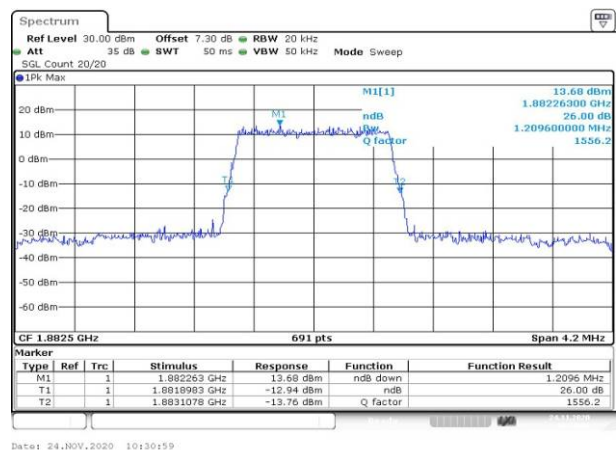


Fig.6

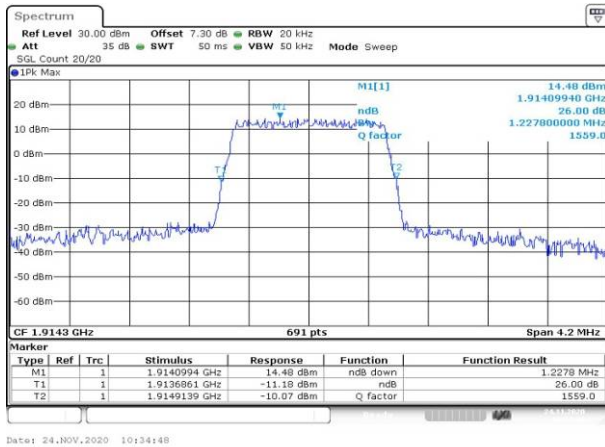


Fig.7

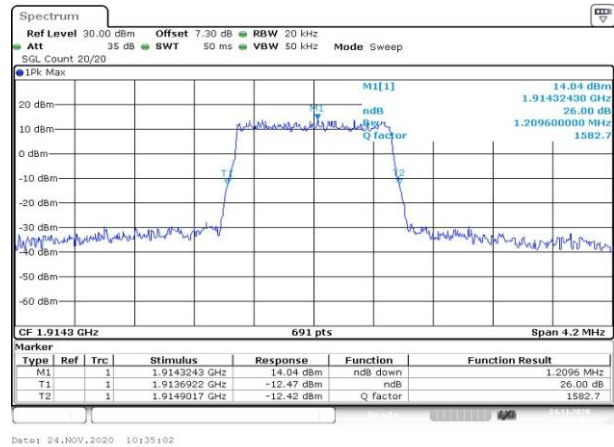


Fig.8

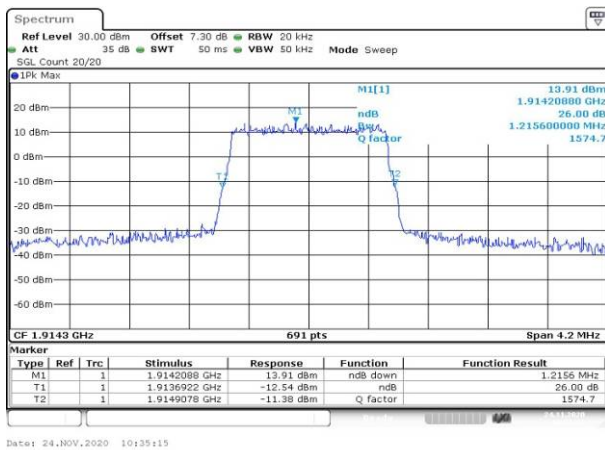


Fig.9

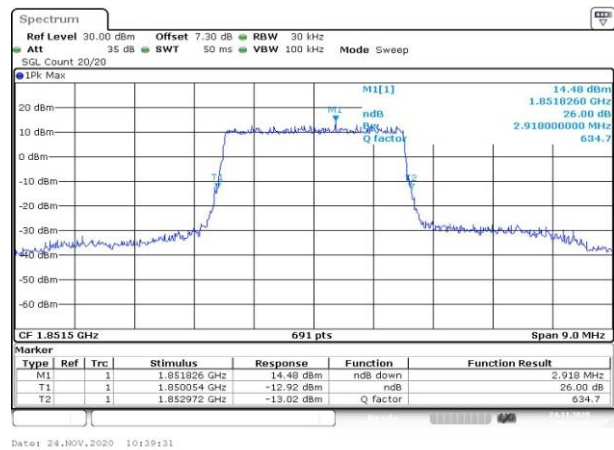


Fig.10

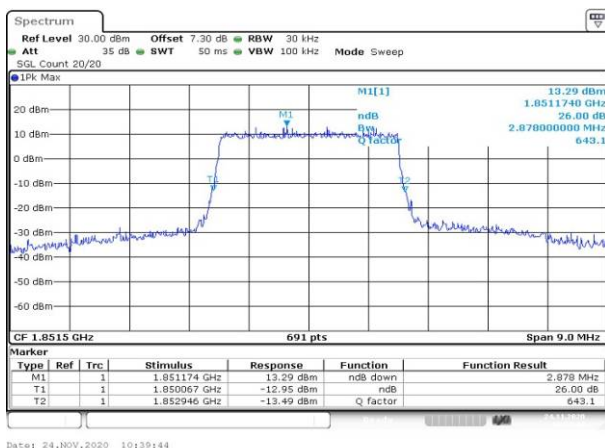


Fig.11

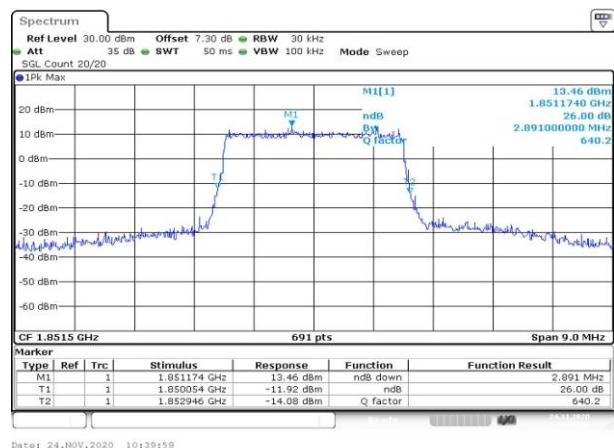


Fig.12

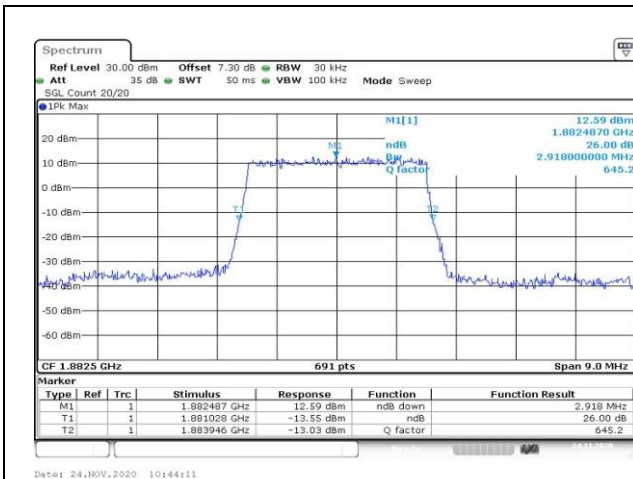


Fig.13

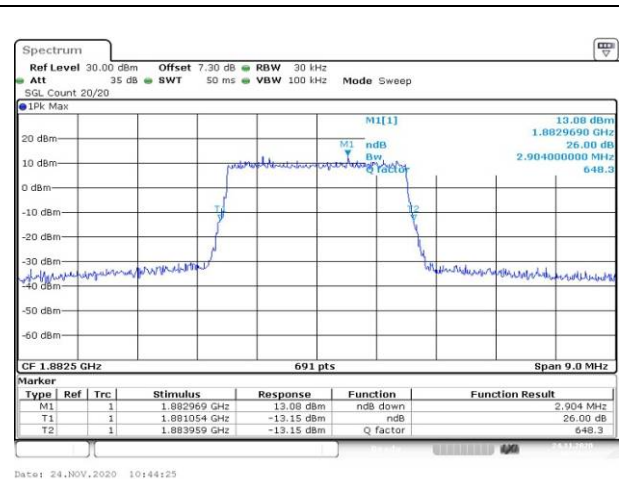


Fig.14

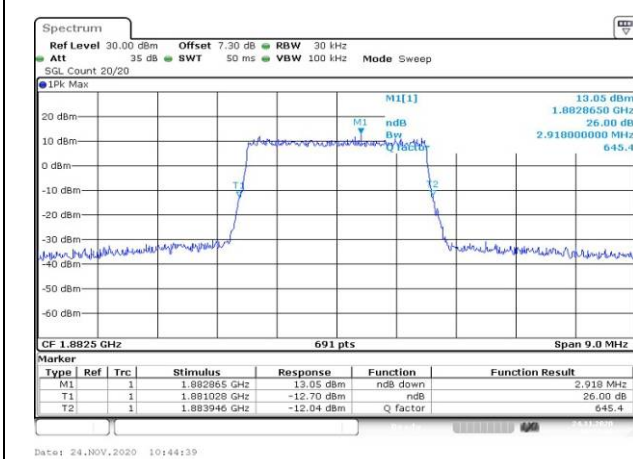


Fig.15

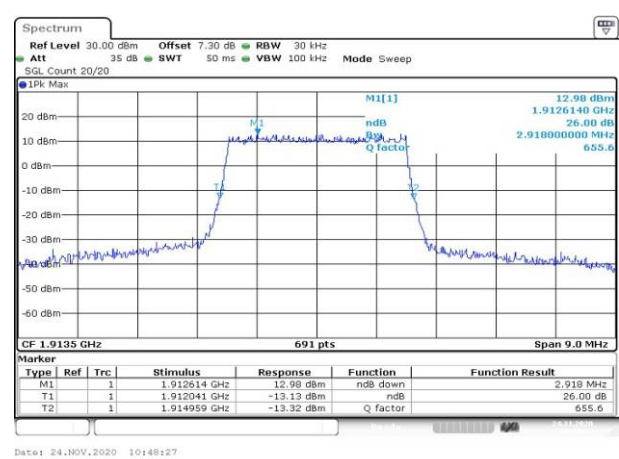


Fig.16

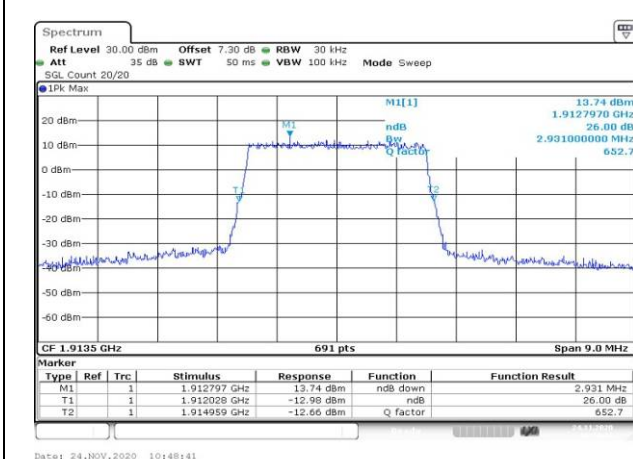


Fig.17

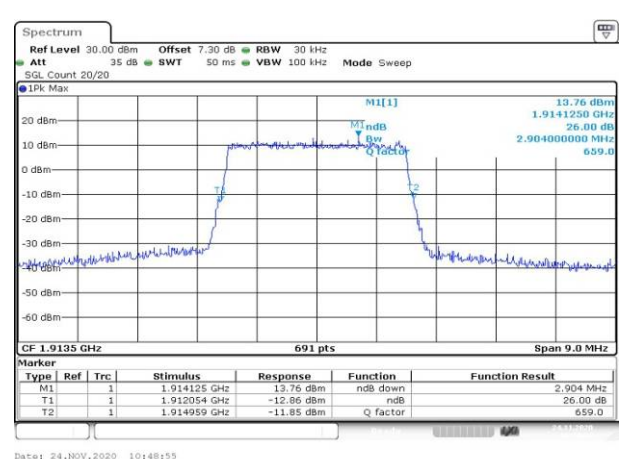


Fig.18

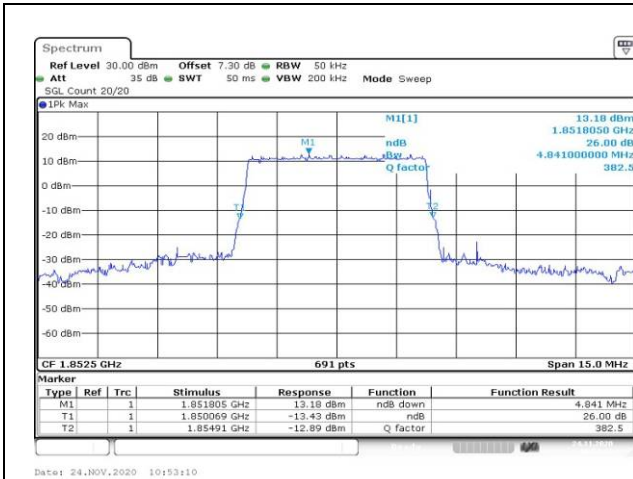


Fig.19

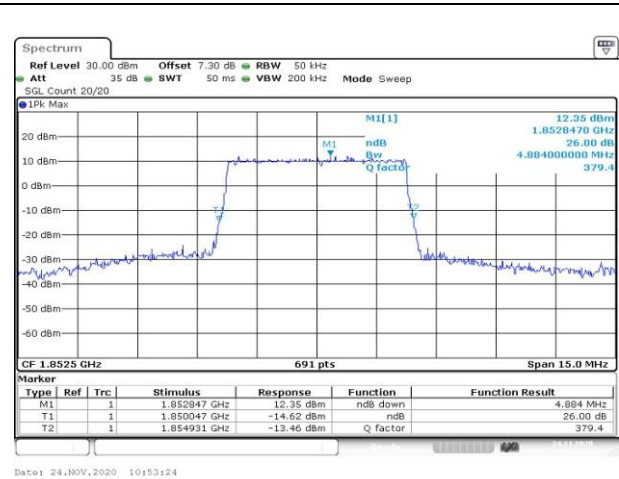


Fig.20

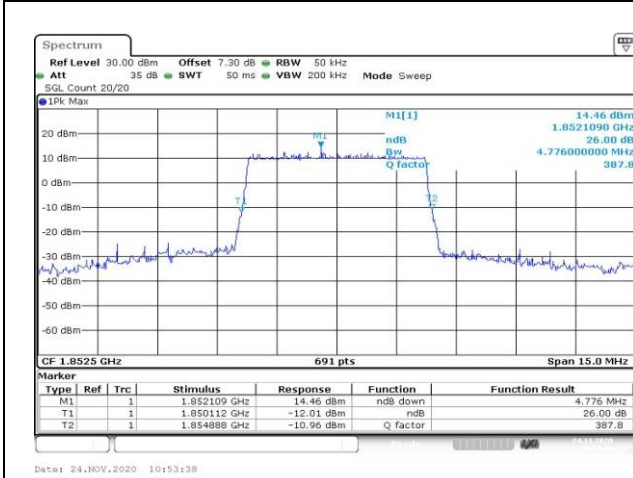


Fig.21

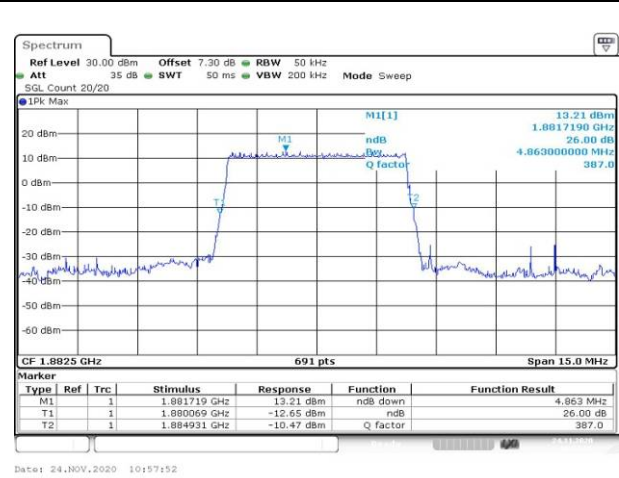


Fig.22

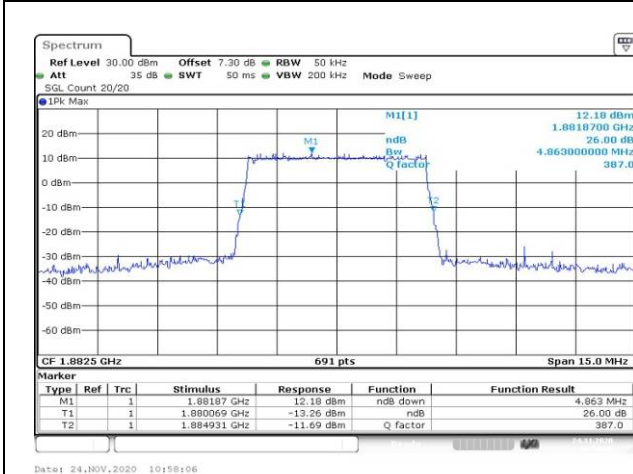


Fig.23



Fig.24

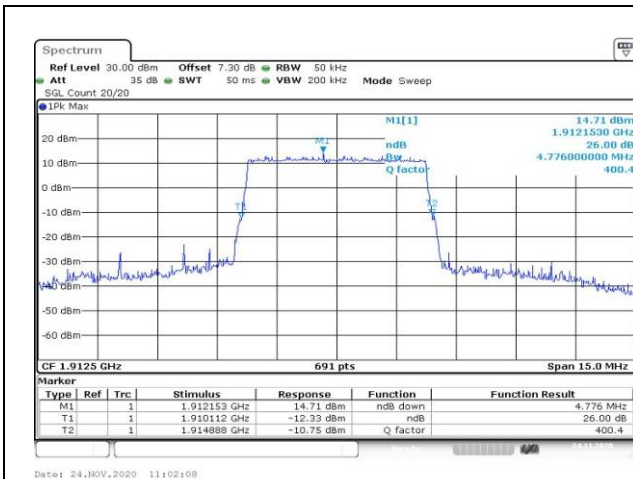


Fig.25

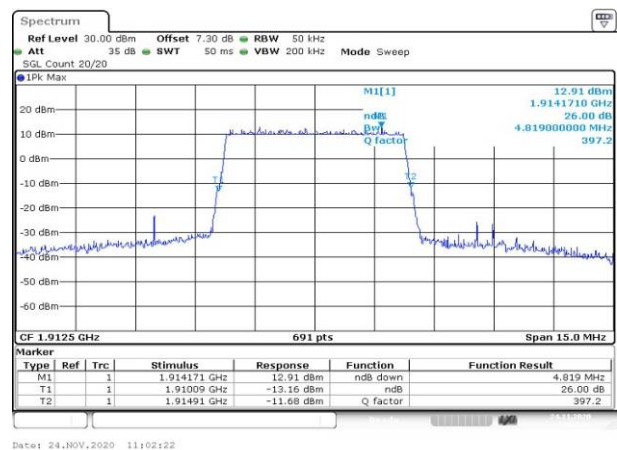


Fig.26

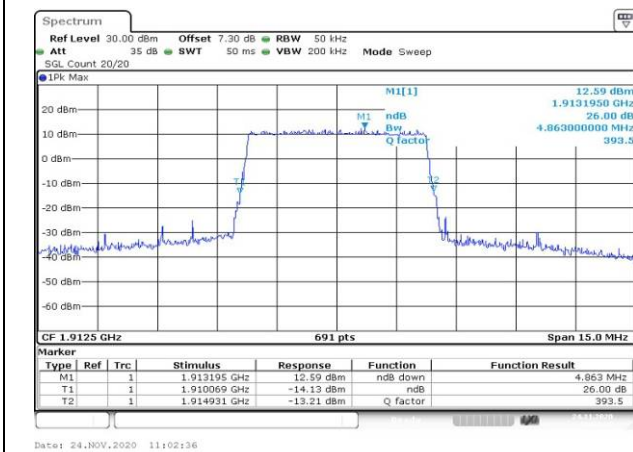


Fig.27

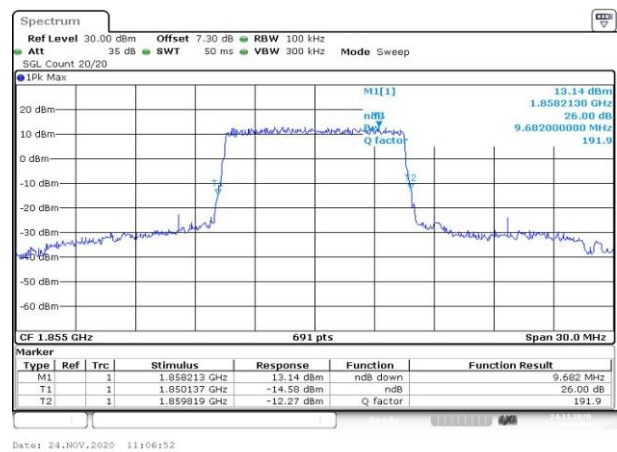


Fig.28

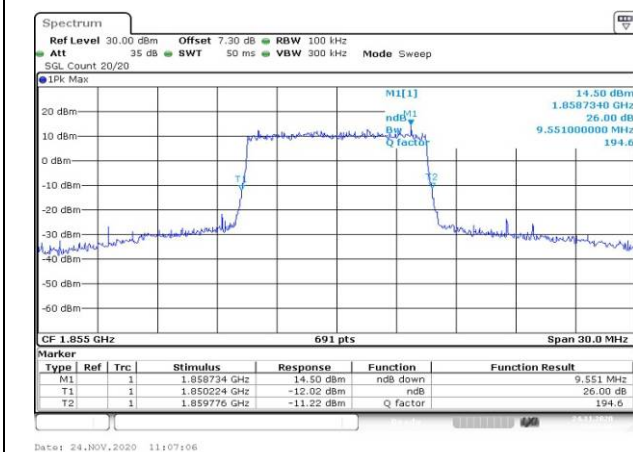


Fig.29

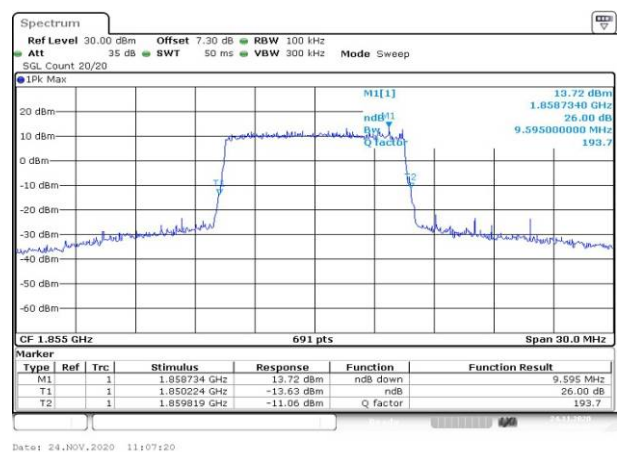


Fig.30

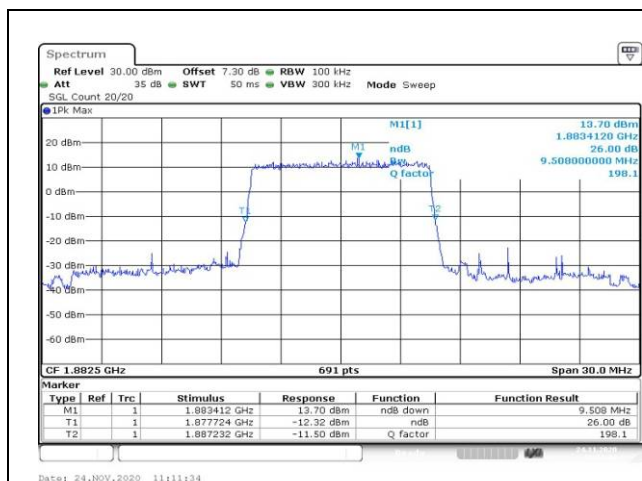


Fig.31

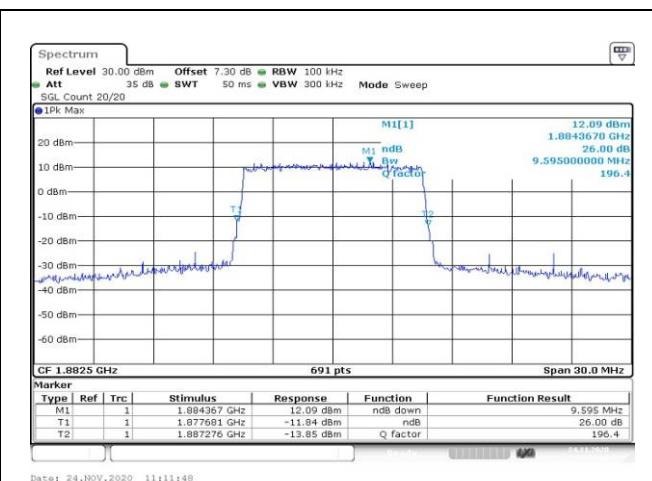


Fig.32

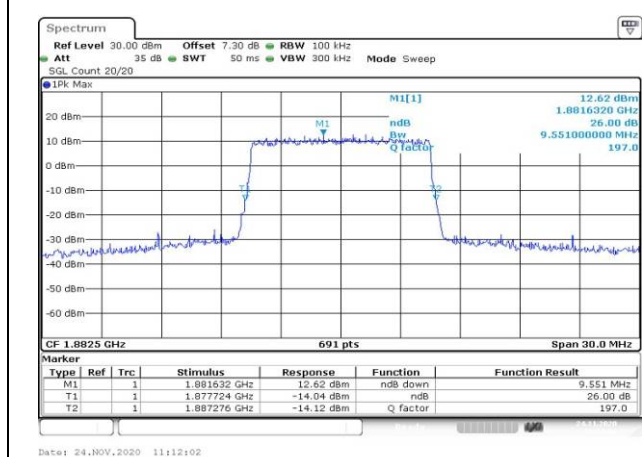


Fig.33

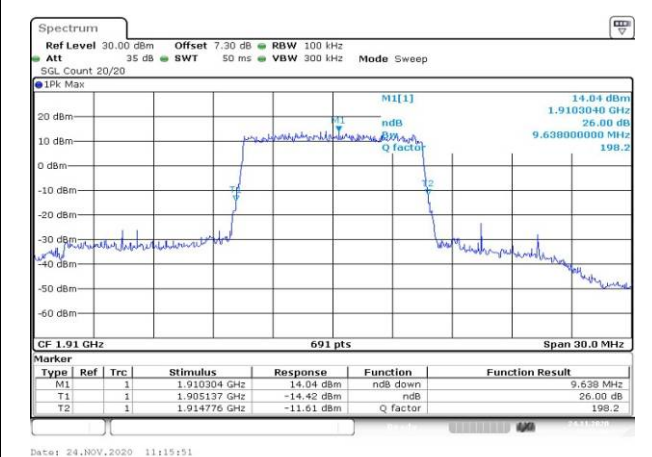


Fig.34

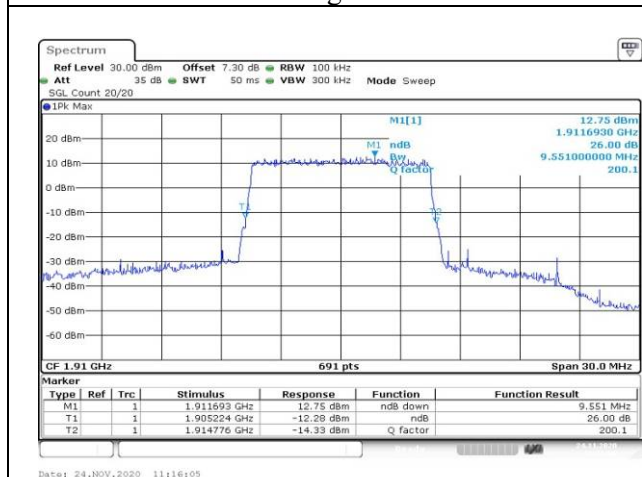


Fig.35

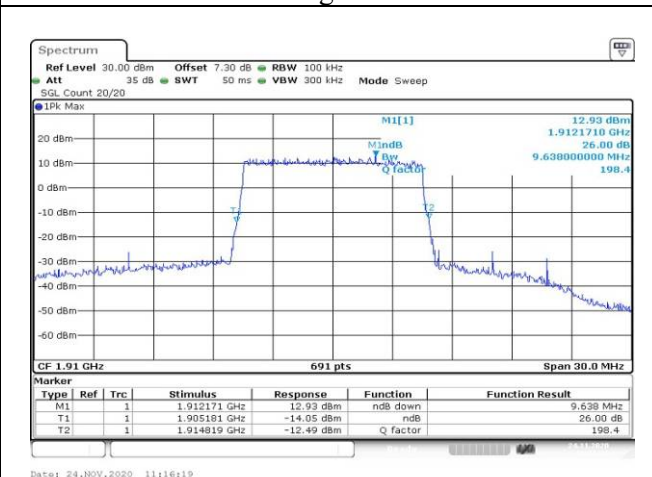


Fig.36

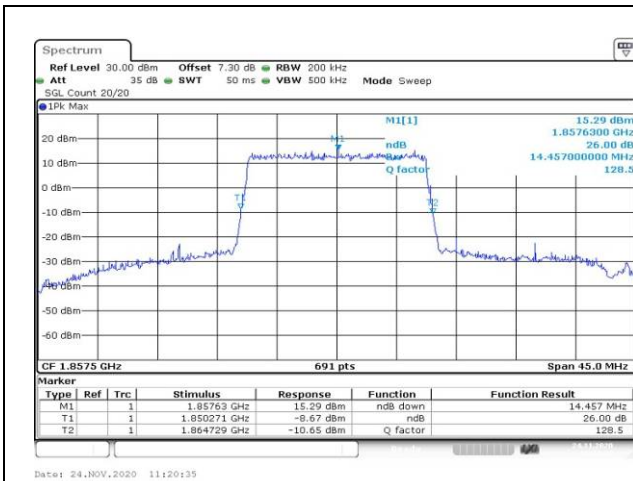


Fig.37

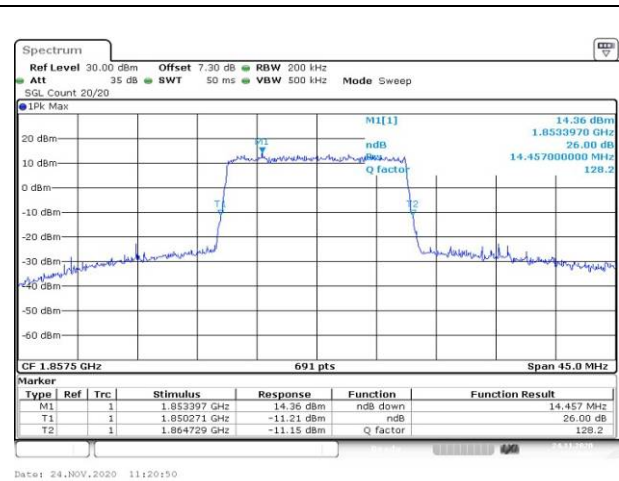


Fig.38

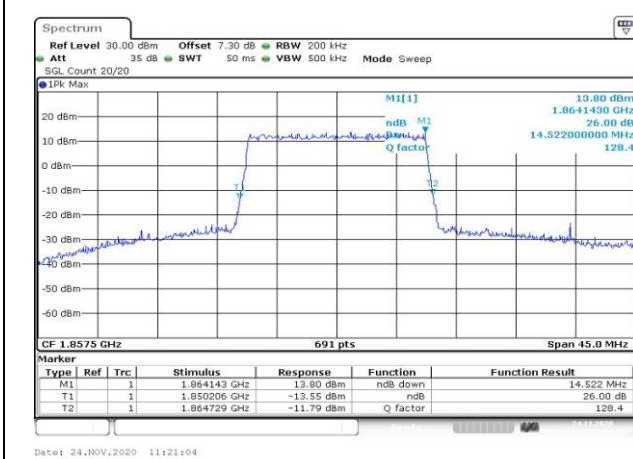


Fig.39

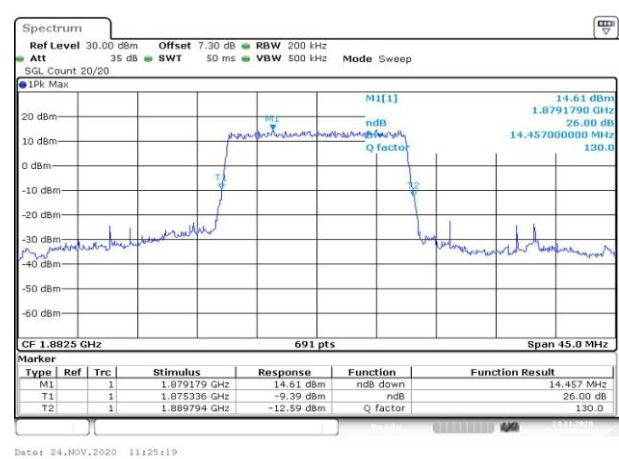


Fig.40

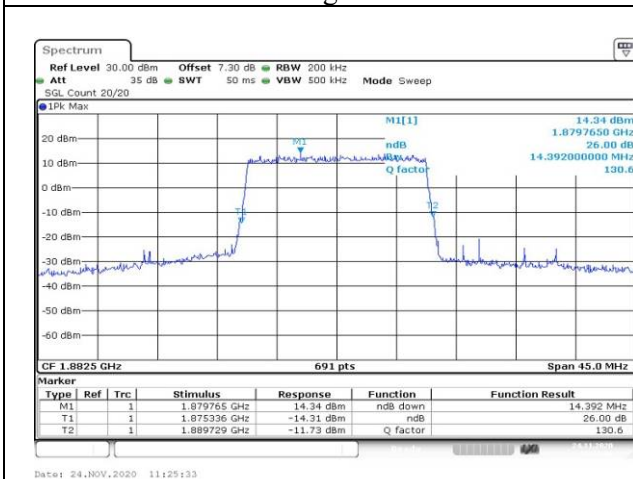


Fig.41

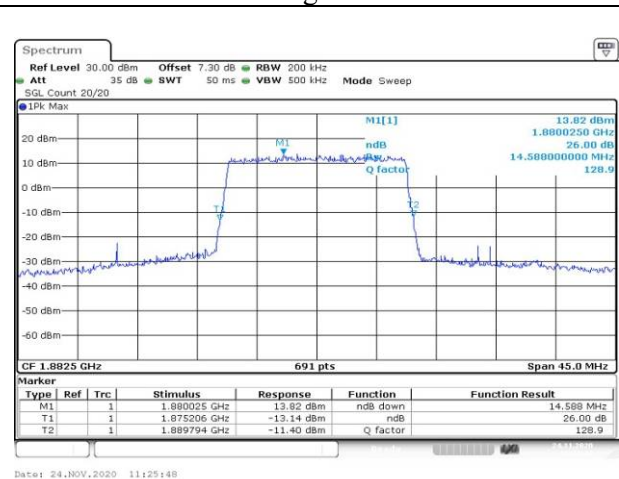


Fig.42



Fig.43

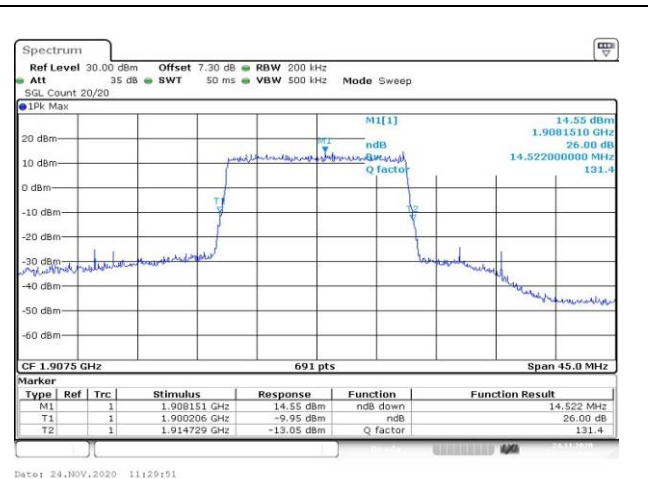


Fig.44

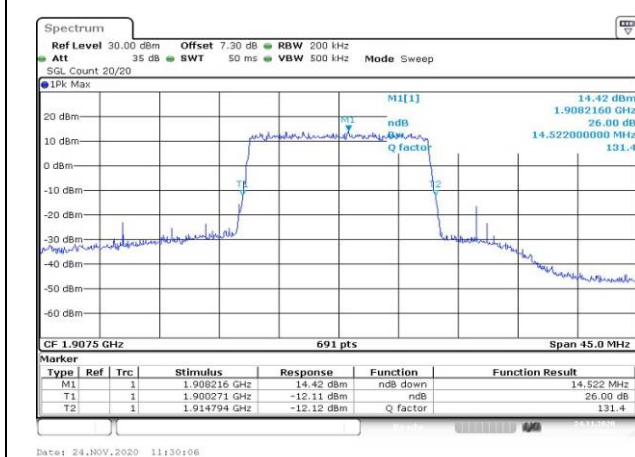


Fig.45

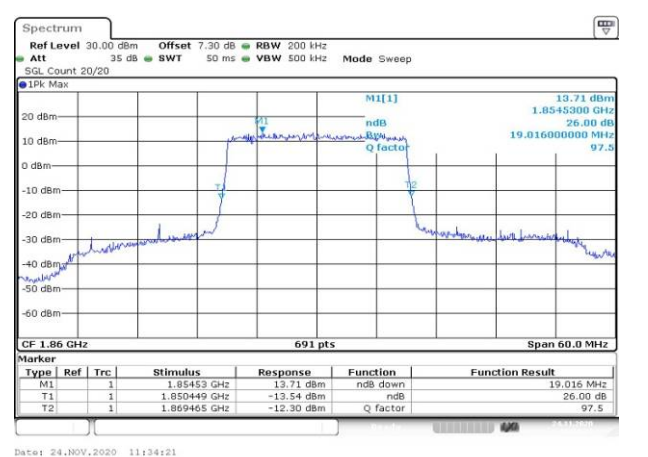


Fig.46

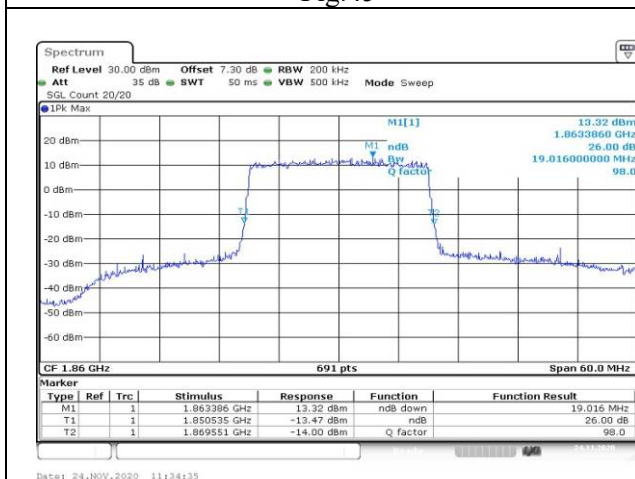


Fig.47

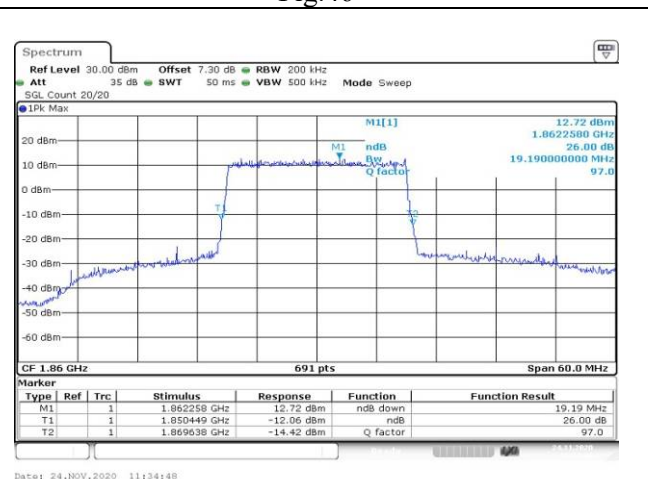


Fig.48

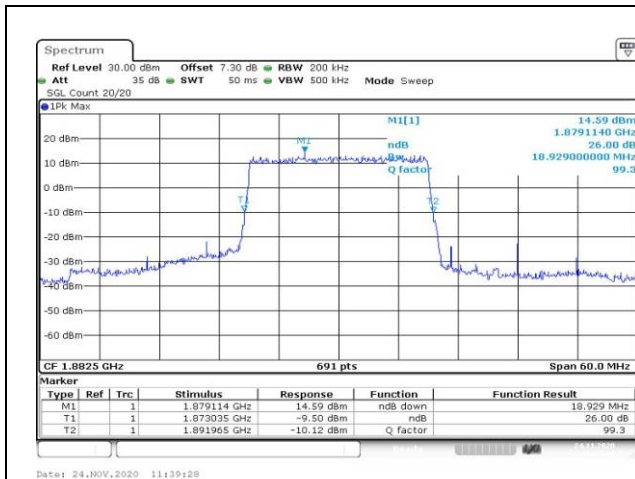


Fig.49

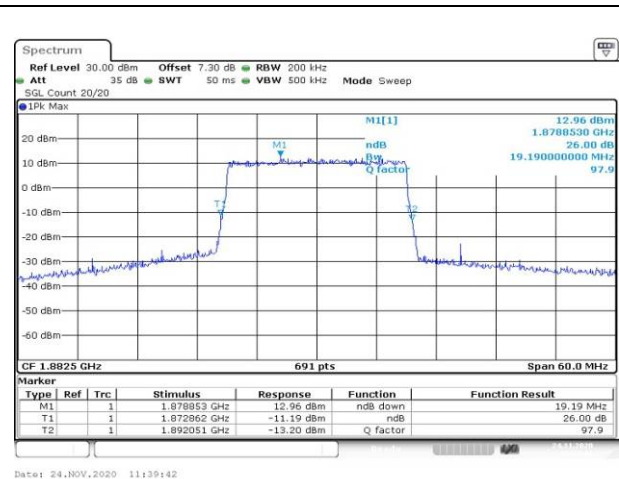


Fig.50

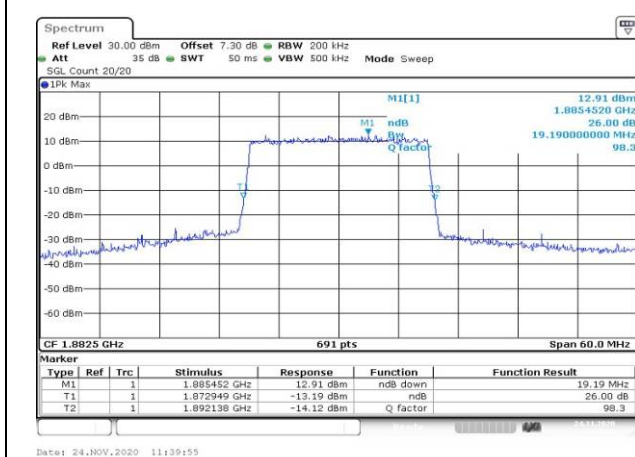


Fig.51



Fig.52



Fig.53

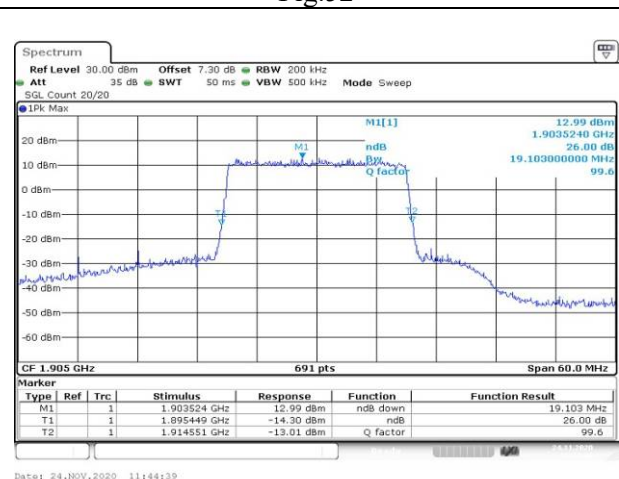


Fig.54

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
25	1850.7	26047	1.4	1	5	Fig.1	Fig.2	Fig.3
	1850.7	26047		6	0	Fig.4	Fig.5	Fig.6
	1882.5	26365		1	5	Fig.7	Fig.8	Fig.9
	1882.5	26365		6	0	Fig.10	Fig.11	Fig.12
	1914.3	26683		1	5	Fig.13	Fig.14	Fig.15
	1914.3	26683		6	0	Fig.16	Fig.17	Fig.18
	1851.5	26055	3	1	14	Fig.19	Fig.20	Fig.21
	1851.5	26055		15	0	Fig.22	Fig.23	Fig.24
	1882.5	26365		1	14	Fig.25	Fig.26	Fig.27
	1882.5	26365		15	0	Fig.28	Fig.29	Fig.30
	1913.5	26675		1	14	Fig.31	Fig.32	Fig.33
	1913.5	26675		15	0	Fig.34	Fig.35	Fig.36
	1852.5	26065	5	1	24	Fig.37	Fig.38	Fig.39
	1852.5	26065		25	0	Fig.40	Fig.41	Fig.42
	1882.5	26365		1	24	Fig.43	Fig.44	Fig.45
	1882.5	26365		25	0	Fig.46	Fig.47	Fig.48
	1912.5	26665		1	24	Fig.49	Fig.50	Fig.51
	1912.5	26665		25	0	Fig.52	Fig.53	Fig.54
	1855	26090	10	1	49	Fig.55	Fig.56	Fig.57
	1855	26090		50	0	Fig.58	Fig.59	Fig.60
	1882.5	26365		1	49	Fig.61	Fig.62	Fig.63
	1882.5	26365		50	0	Fig.64	Fig.65	Fig.66
	1910	26640		1	49	Fig.67	Fig.68	Fig.69
	1910	26640		50	0	Fig.70	Fig.71	Fig.72
	1857.5	26115	15	1	74	Fig.73	Fig.74	Fig.75
	1857.5	26115		75	0	Fig.76	Fig.77	Fig.78
	1882.5	26365		1	74	Fig.79	Fig.80	Fig.81
	1882.5	26365		75	0	Fig.82	Fig.83	Fig.84
	1907.5	26615		1	74	Fig.85	Fig.86	Fig.87
	1907.5	26615		75	0	Fig.88	Fig.89	Fig.90
	1860	26140	20	1	99	Fig.91	Fig.92	Fig.93
	1860	26140		100	0	Fig.94	Fig.95	Fig.96
	1882.5	26365		1	99	Fig.97	Fig.98	Fig.99
	1882.5	26365		100	0	Fig.100	Fig.101	Fig.102
	1905	26590		1	99	Fig.103	Fig.104	Fig.105
	1905	26590		100	0	Fig.106	Fig.107	Fig.108

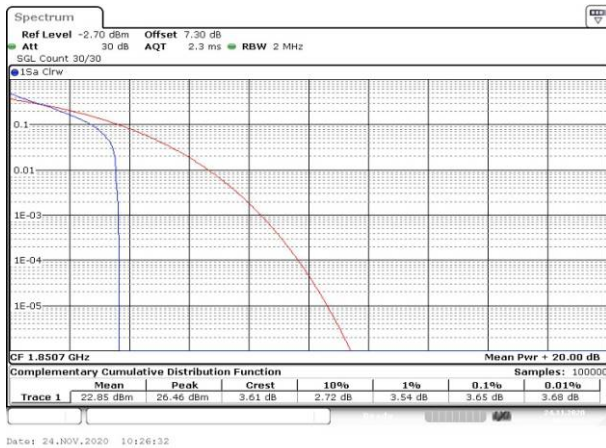


Fig.1

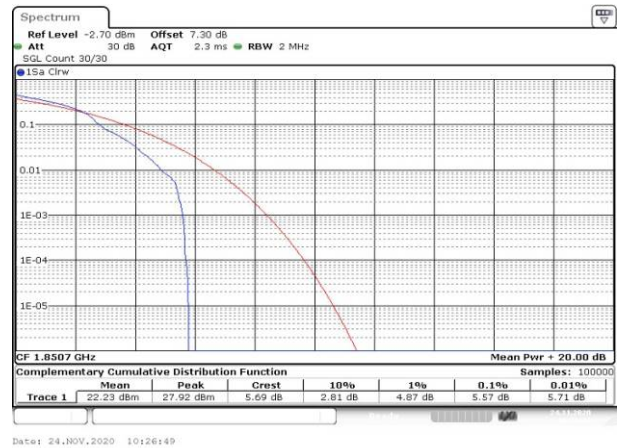


Fig.2



Fig.3



Fig.4

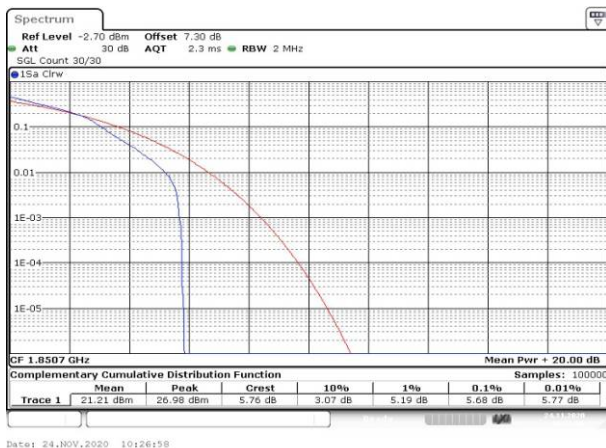


Fig.5

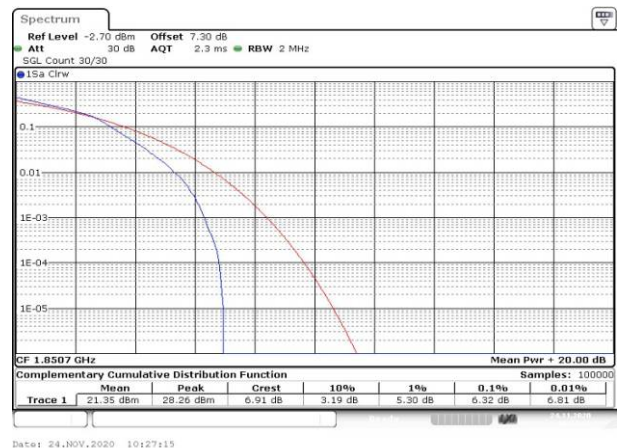


Fig.6