

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
	1882.5	26365		6	0	21.14
				1	0	21.00
				1	3	21.00
				1	5	21.02
				3	0	21.00
				3	1	21.01
	1914.3	26683		3	3	21.01
				6	0	20.96
				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
	1882.5	26365		1	0	21.14
				1	49	21.16
				1	99	21.10
				50	0	21.15
				50	24	21.11
				50	50	21.14
				100	0	21.10
	1905	26590		1	0	21.22
				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

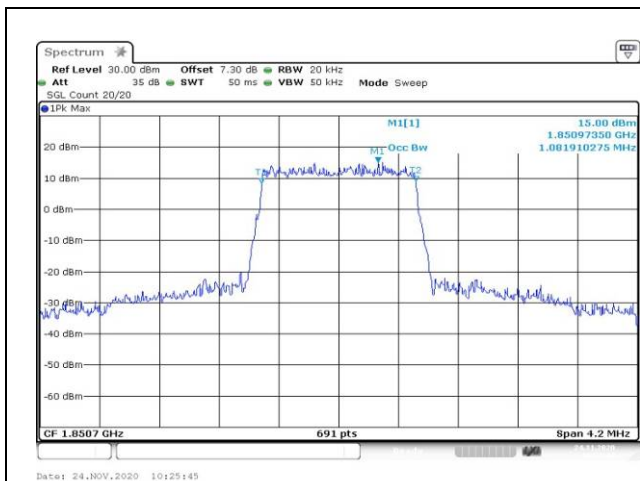


Fig.1

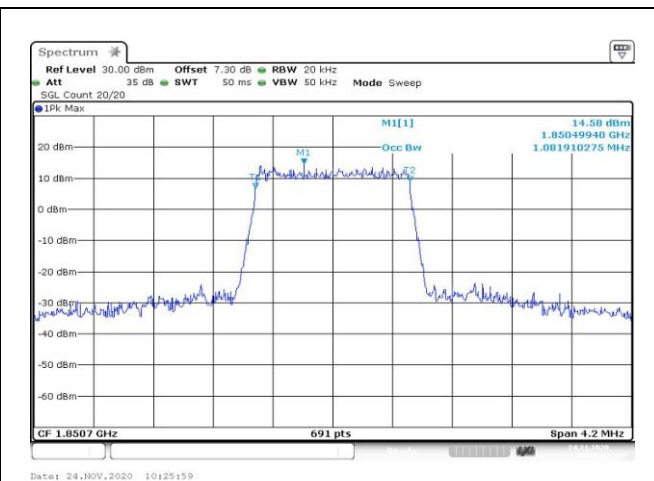


Fig.2

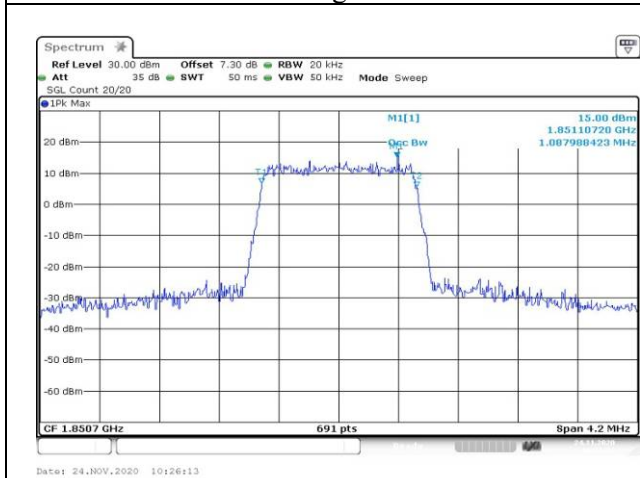


Fig.3

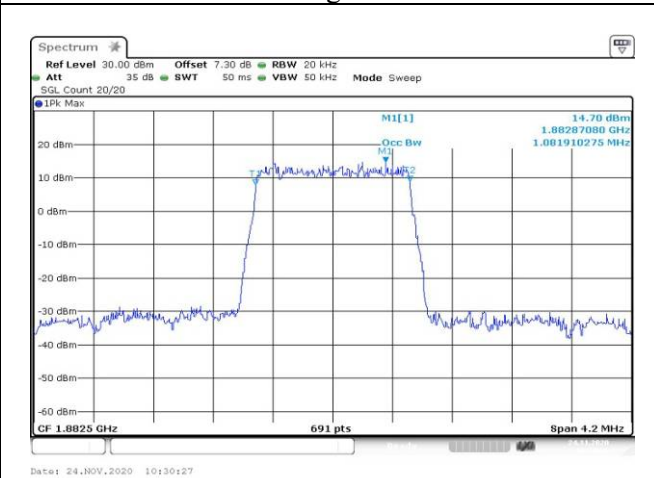


Fig.4

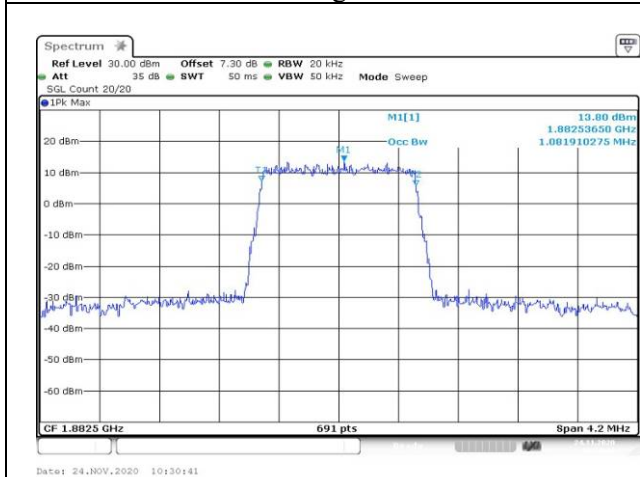


Fig.5

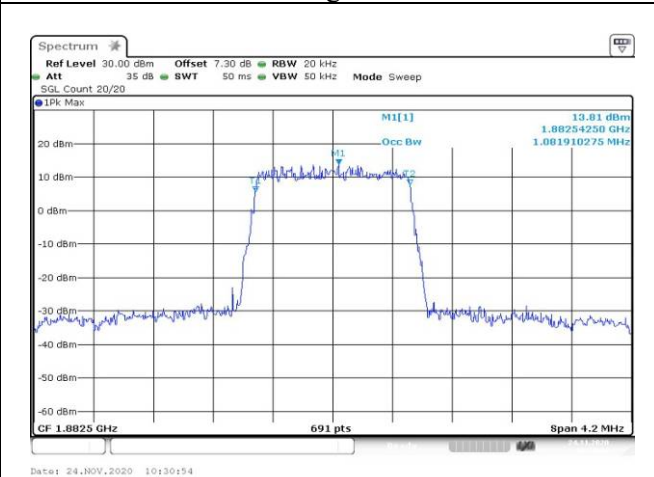
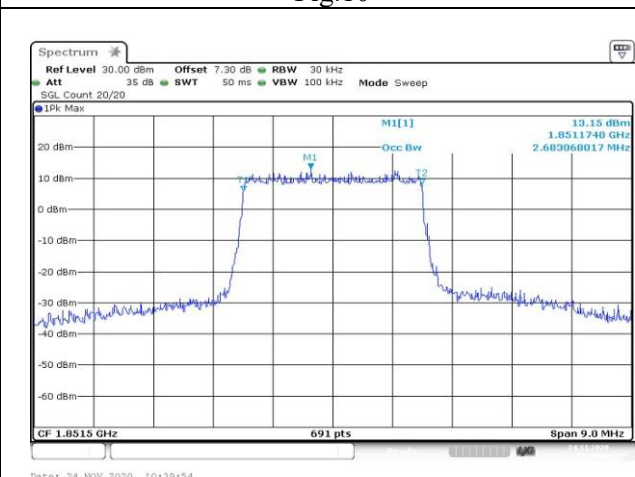
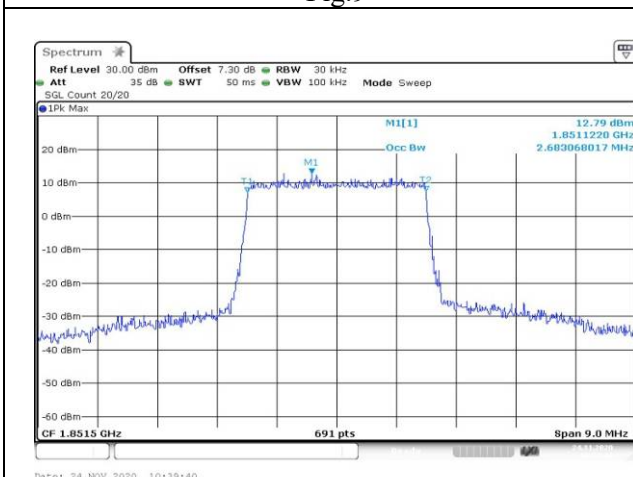
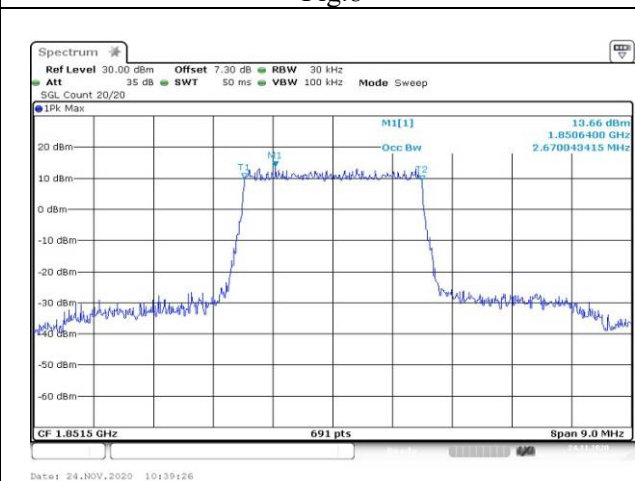
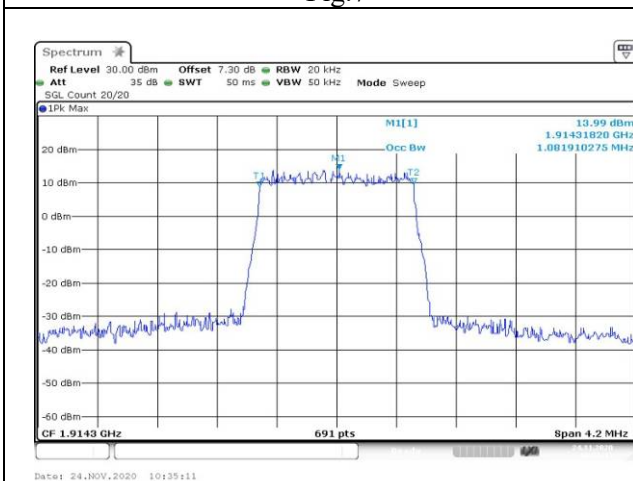
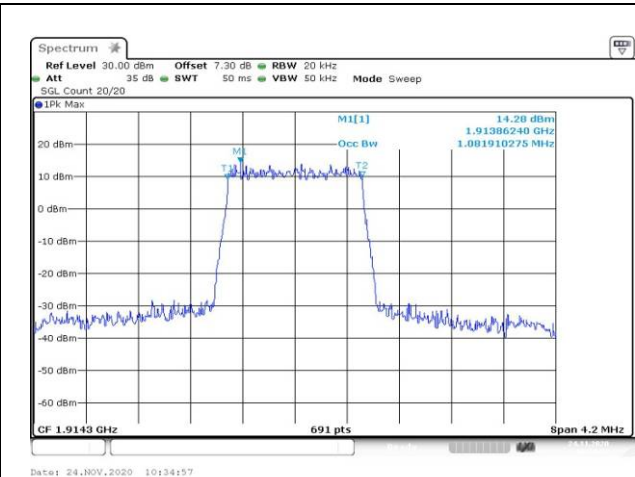
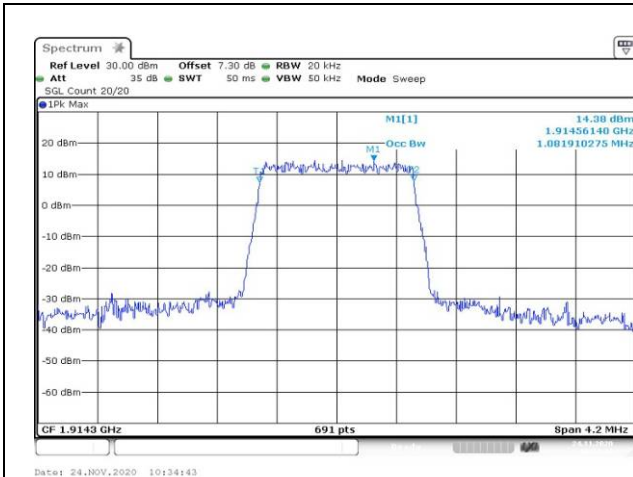
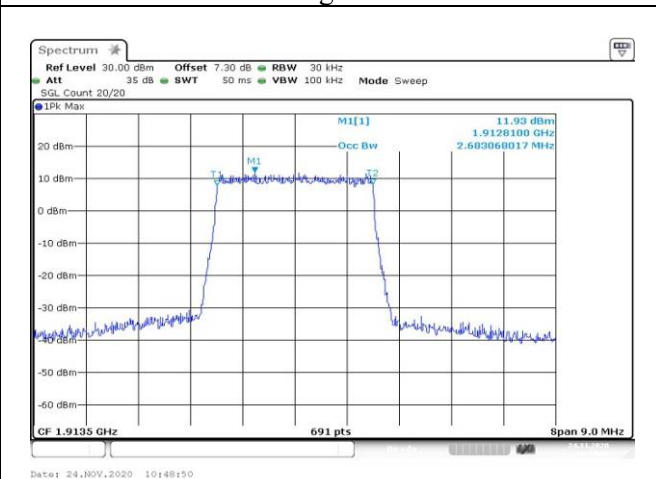
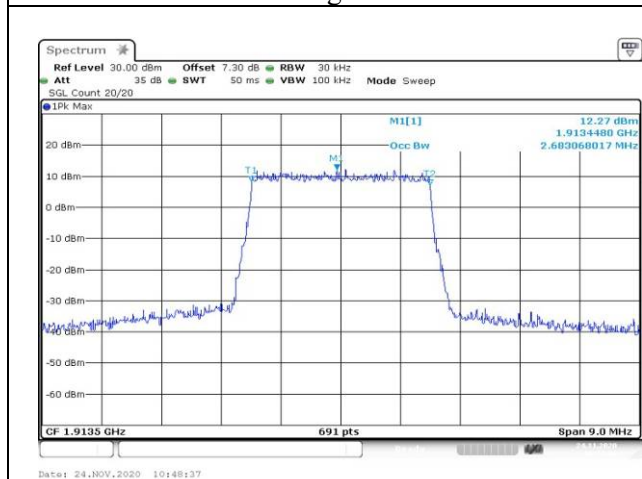
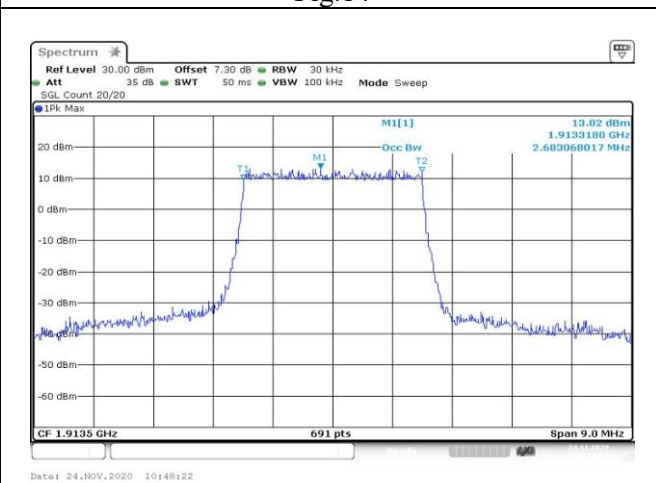
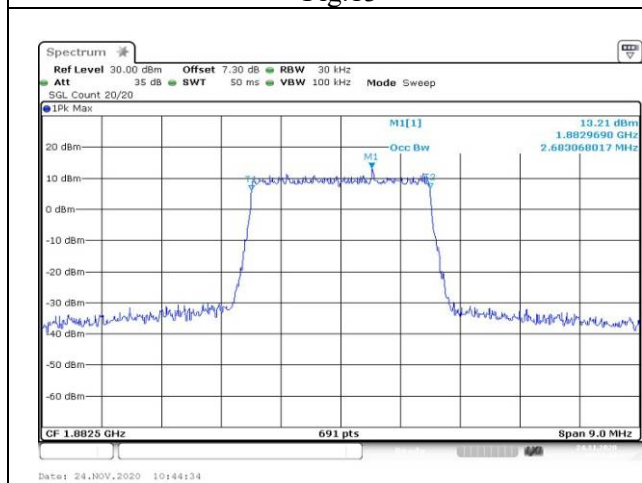
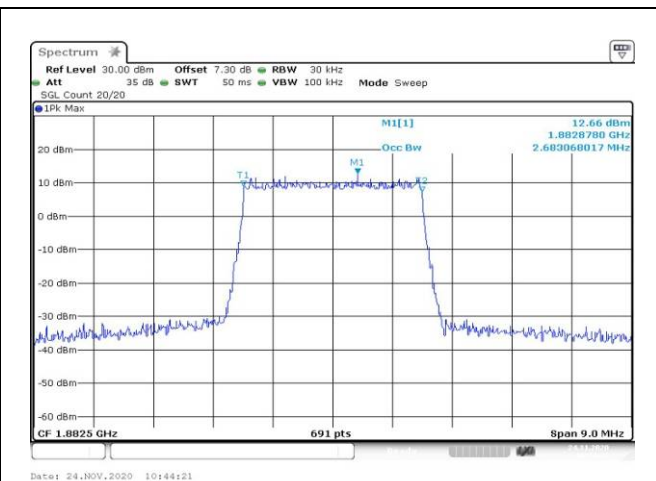
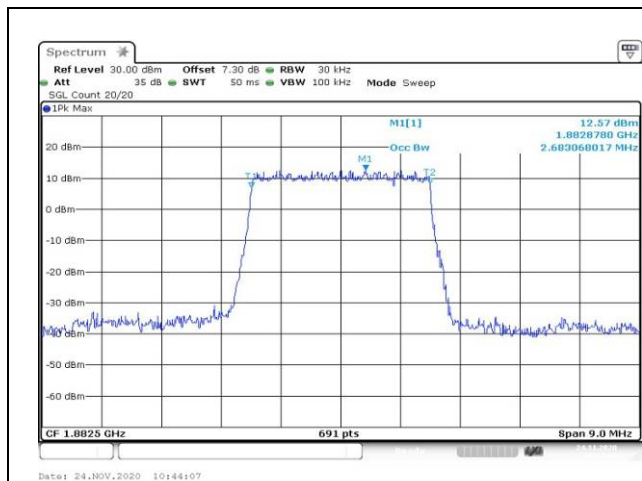


Fig.6





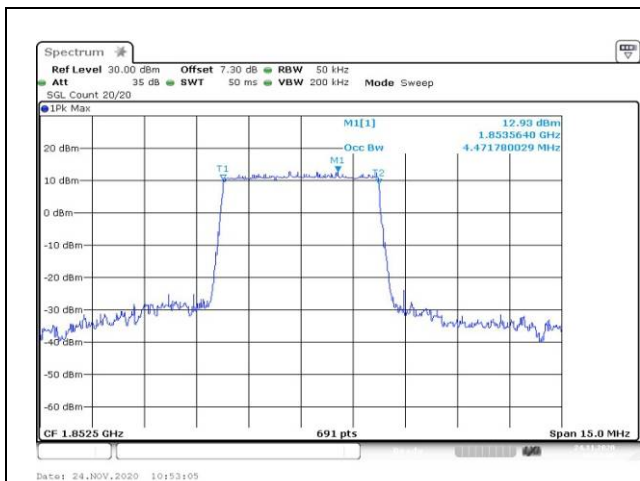


Fig.19

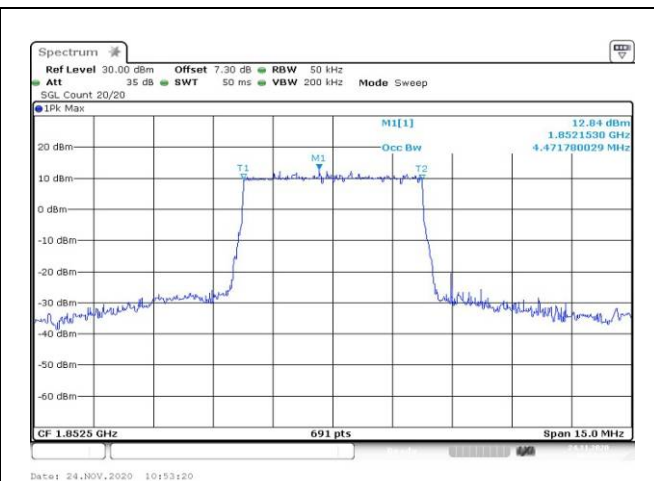


Fig.20

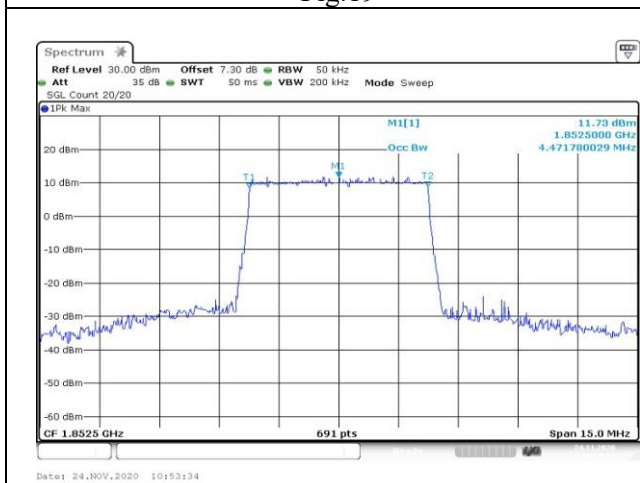


Fig.21

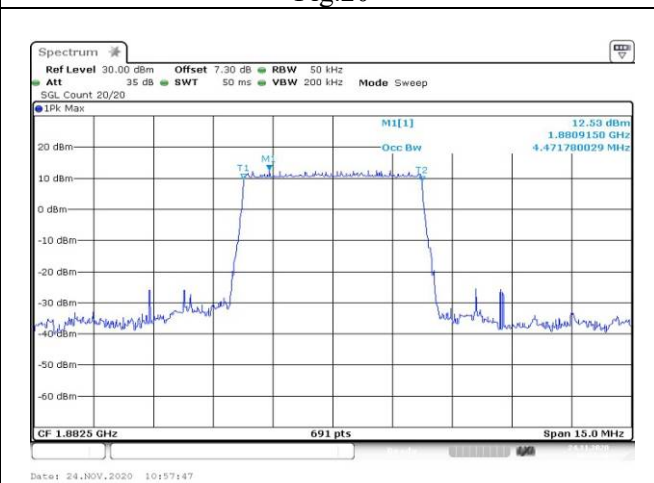


Fig.22

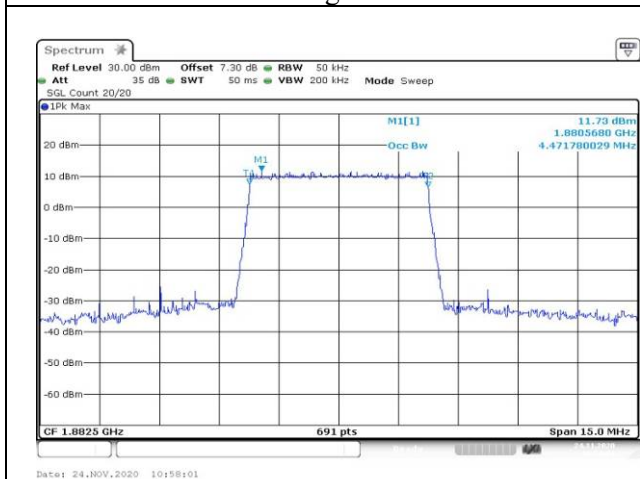


Fig.23

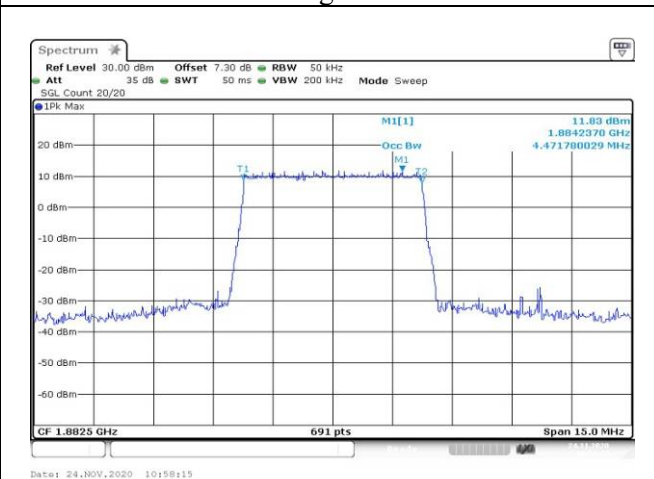


Fig.24

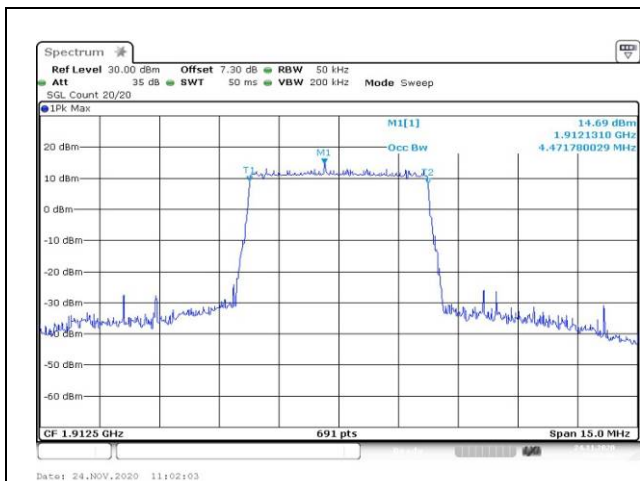


Fig.25

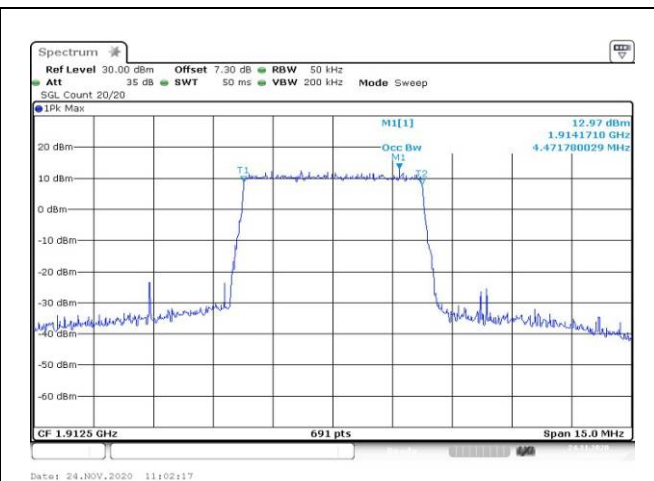


Fig.26

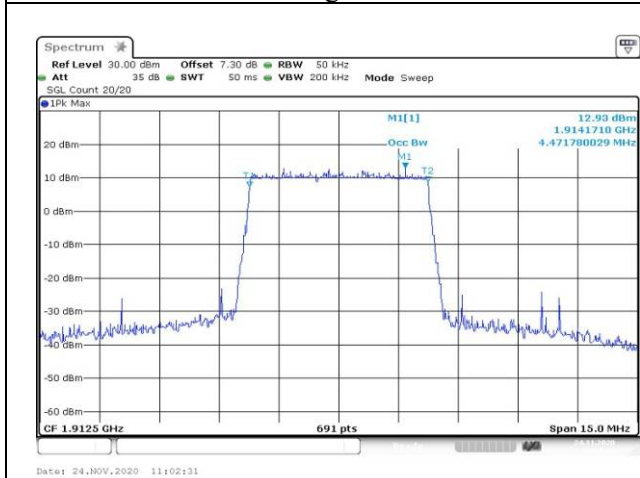


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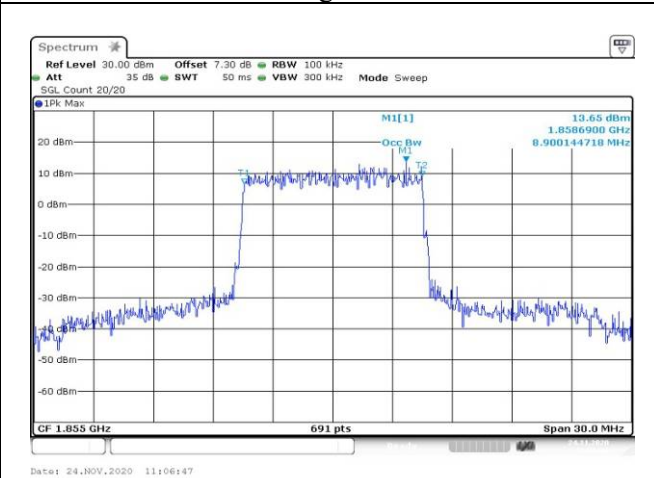


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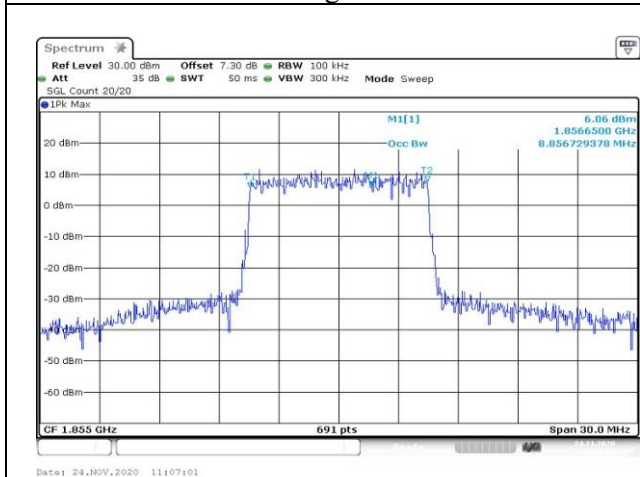


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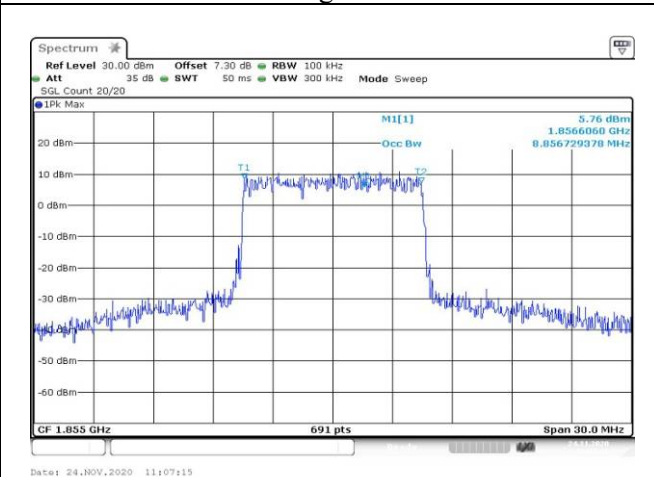


Fig.30

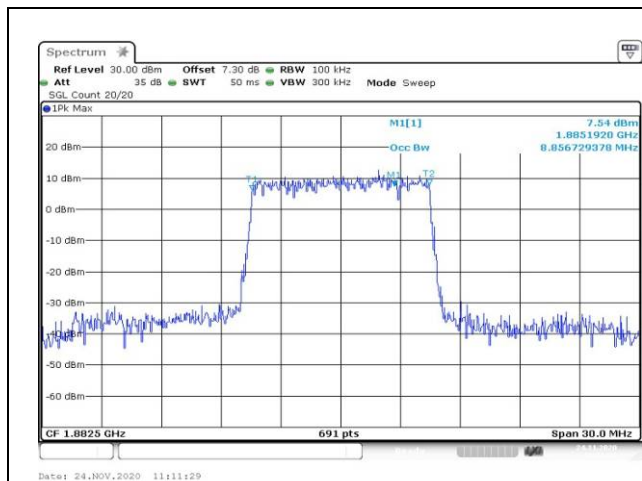


Fig.31

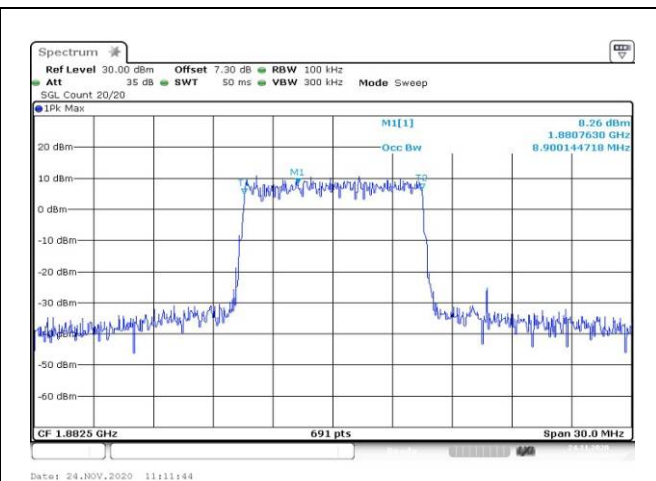


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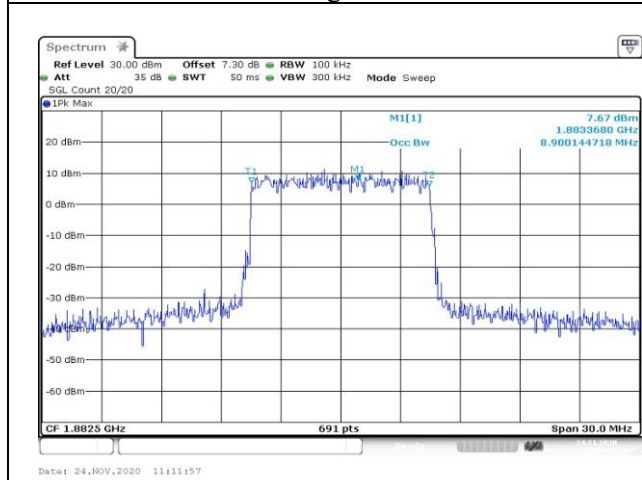


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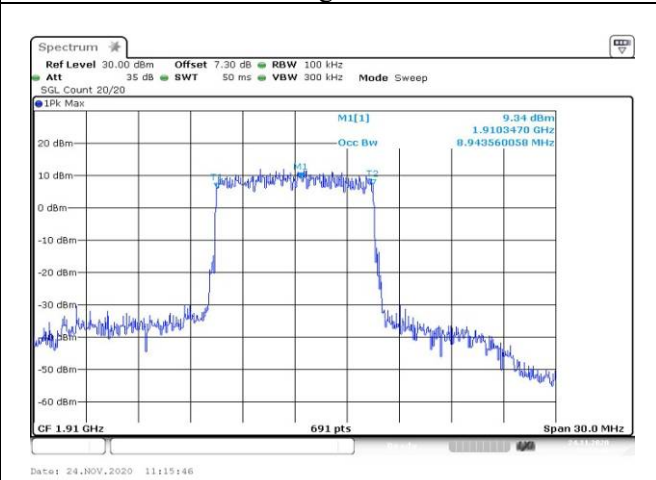


Fig.34

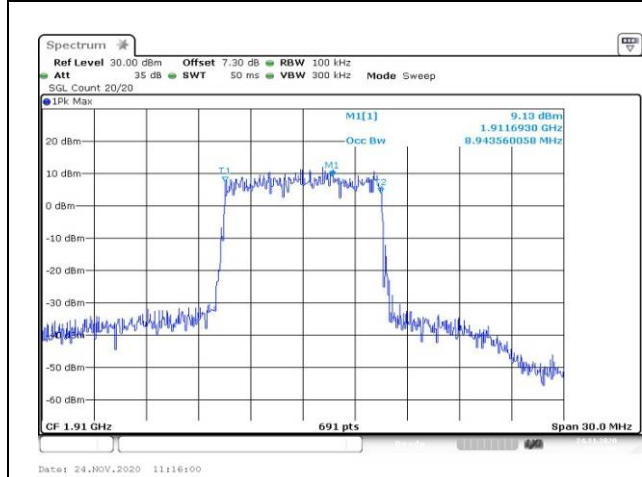


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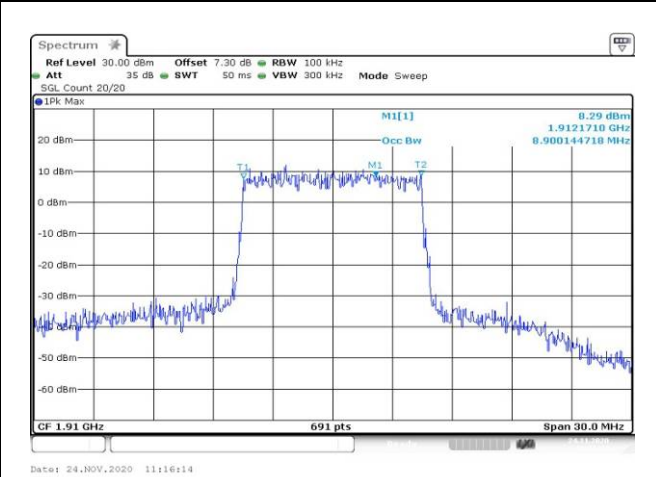
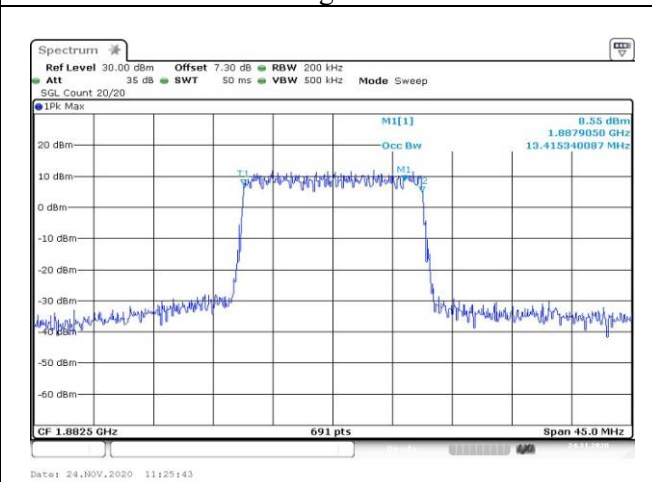
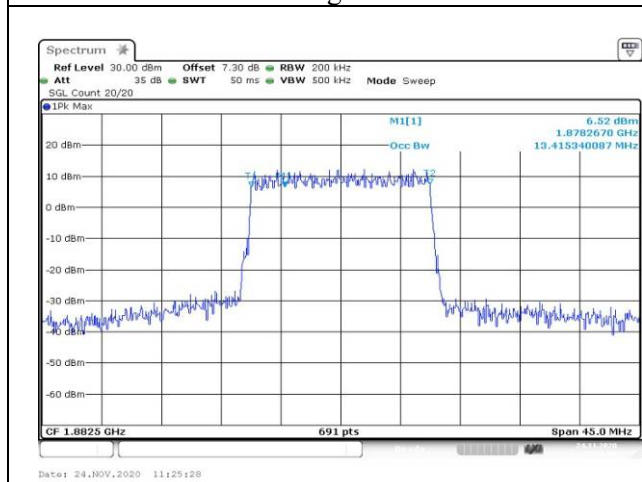
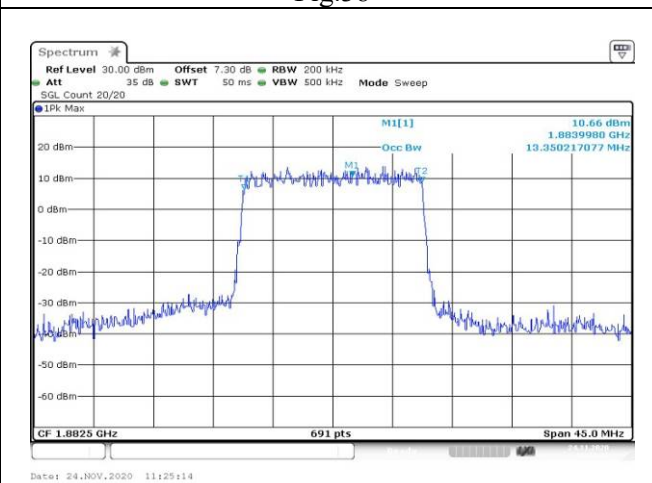
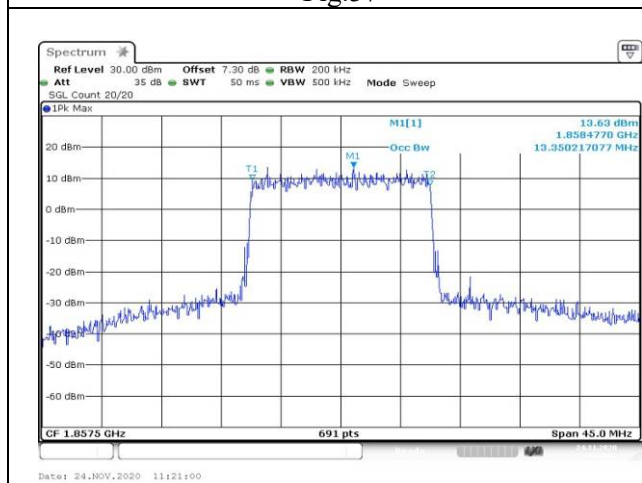
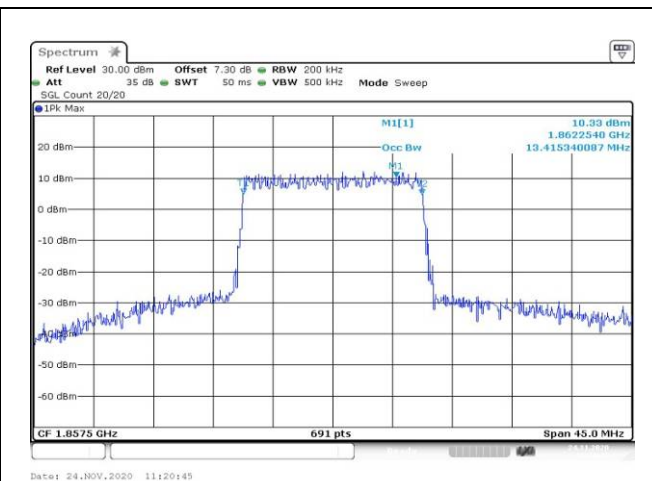
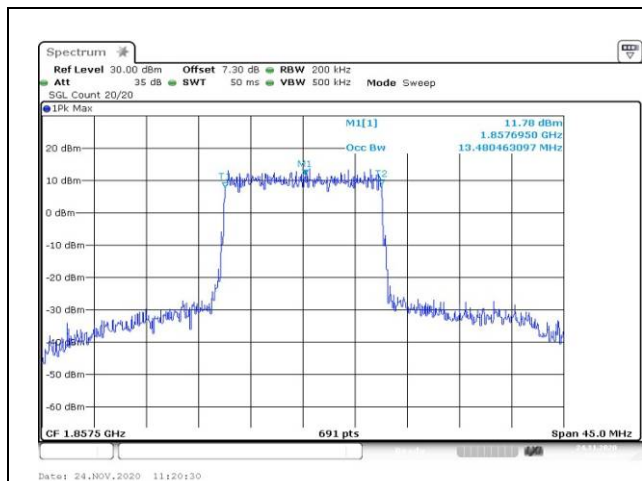


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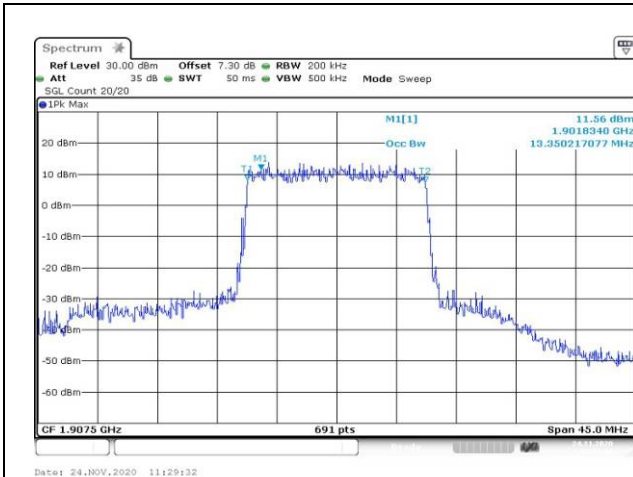


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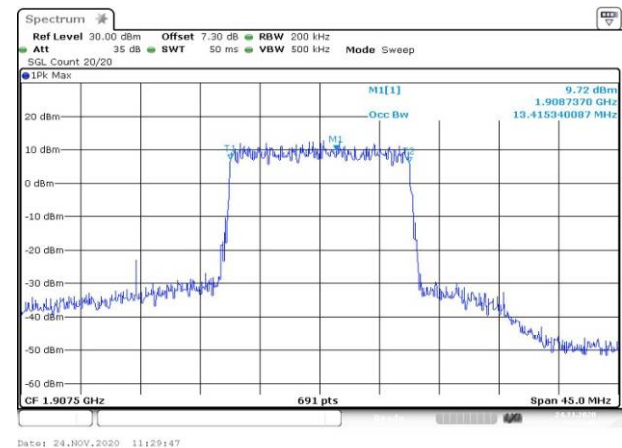


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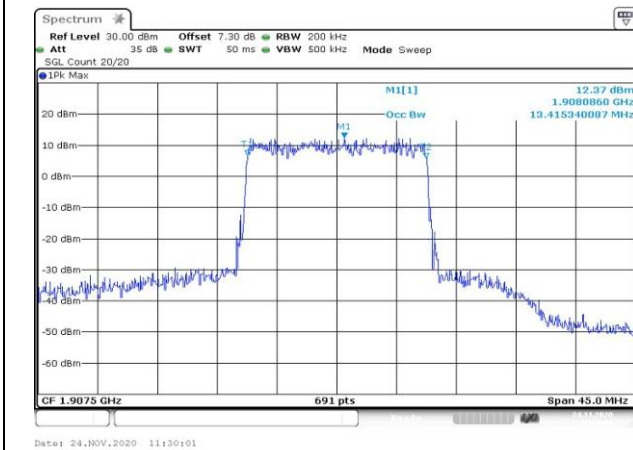


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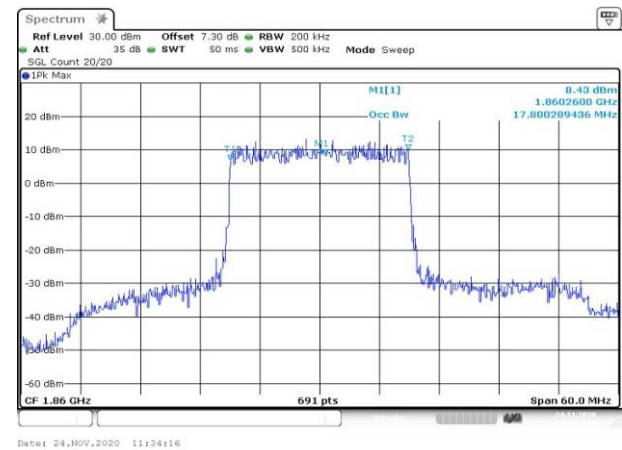


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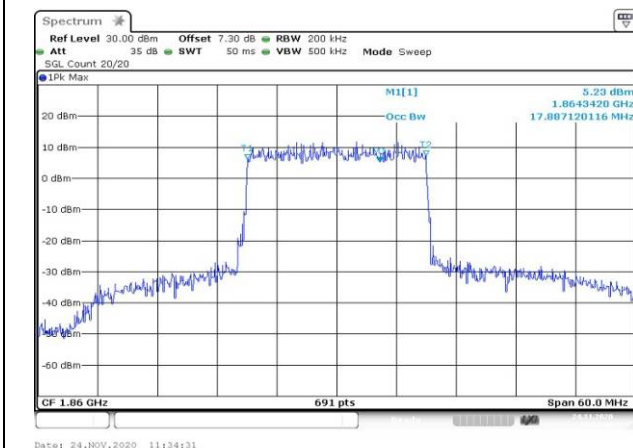


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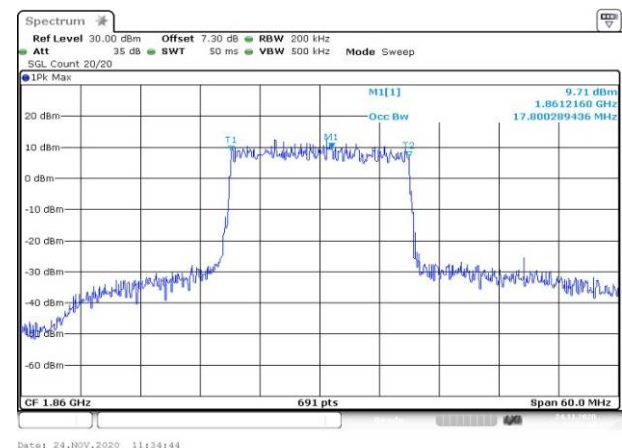


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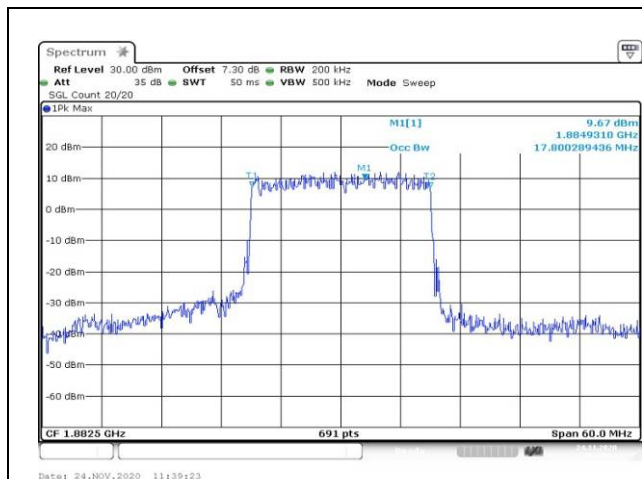


Fig.49

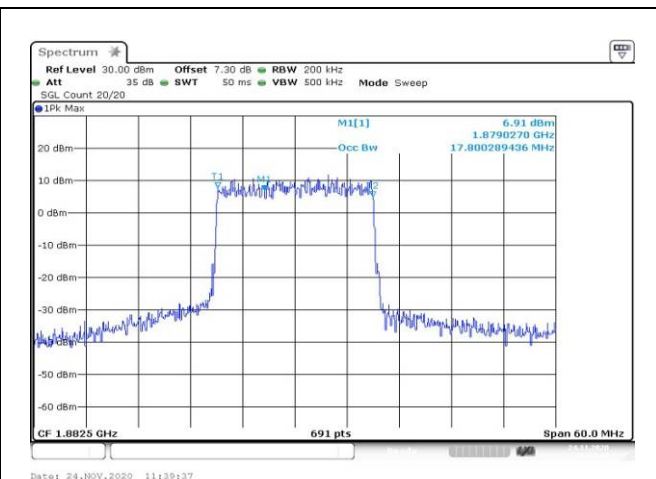


Fig.50

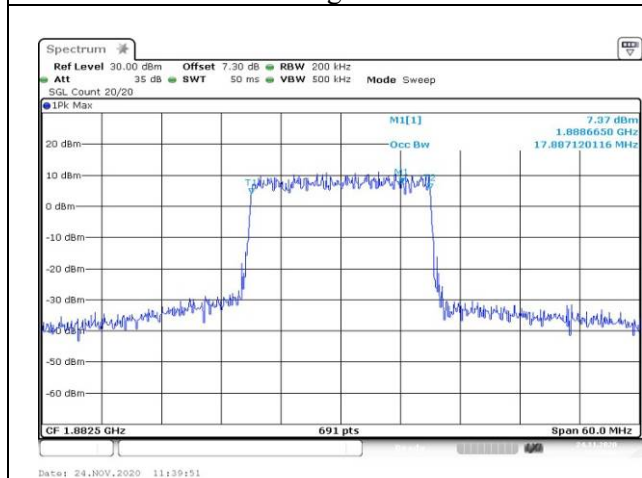


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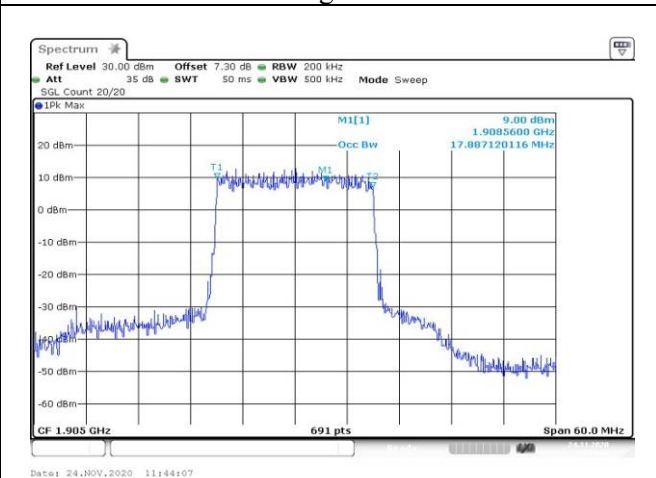


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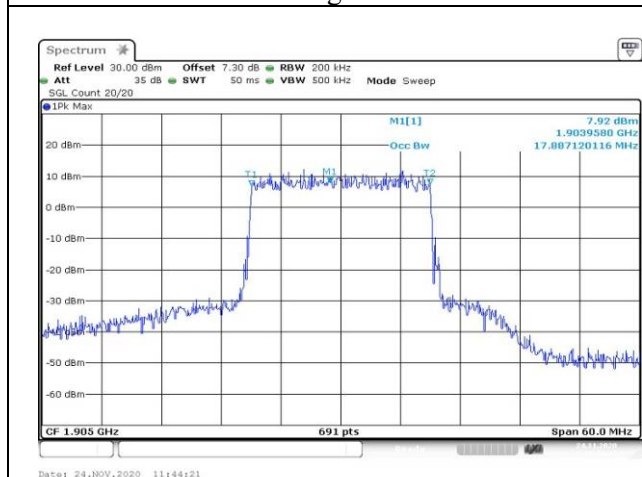


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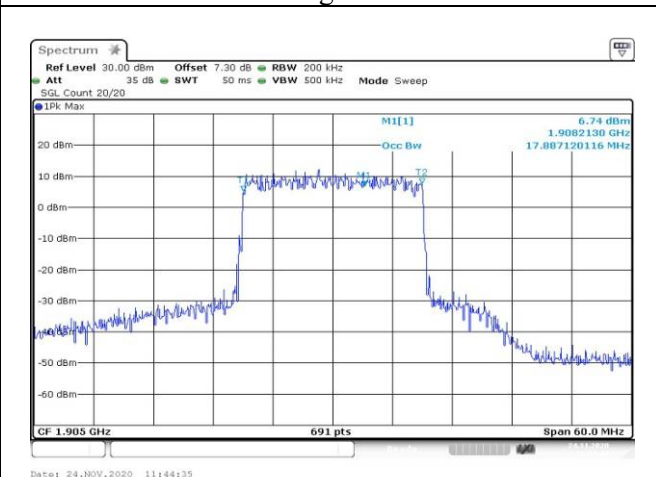


Fig.54

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	
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

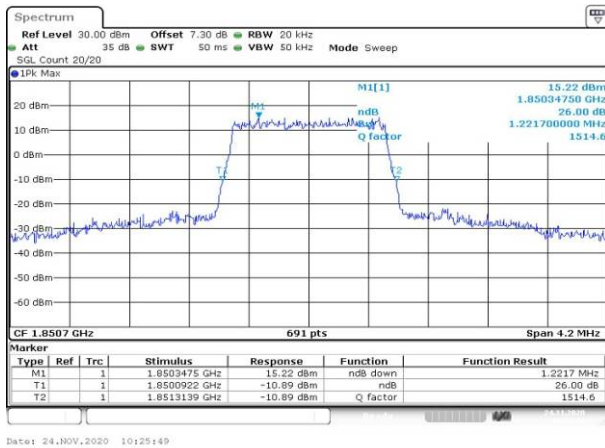


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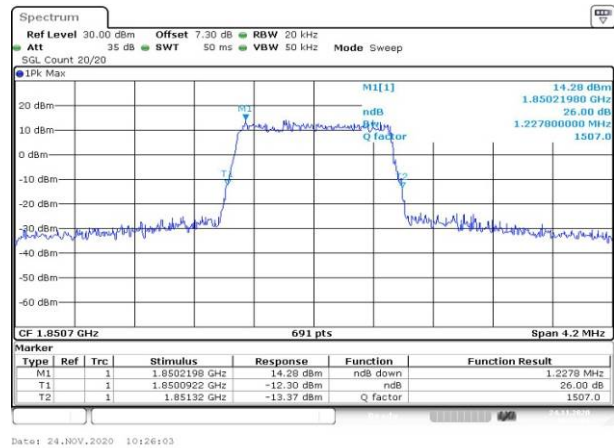


Fig.2

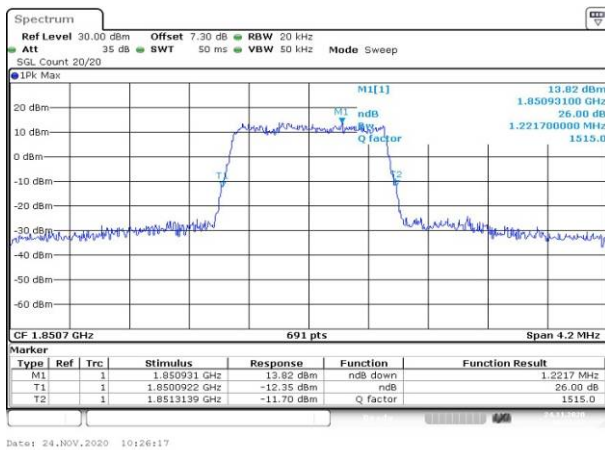


Fig.3

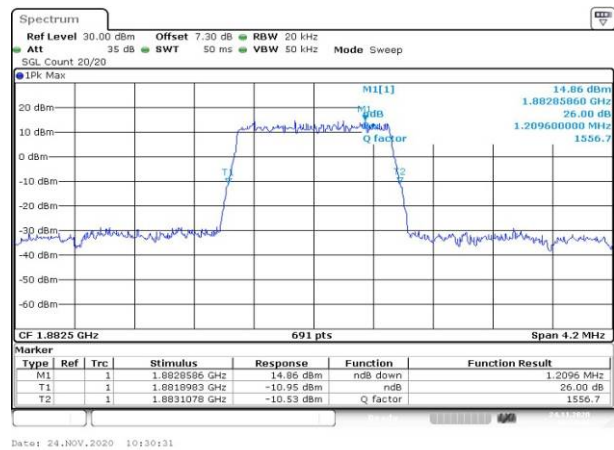


Fig.4

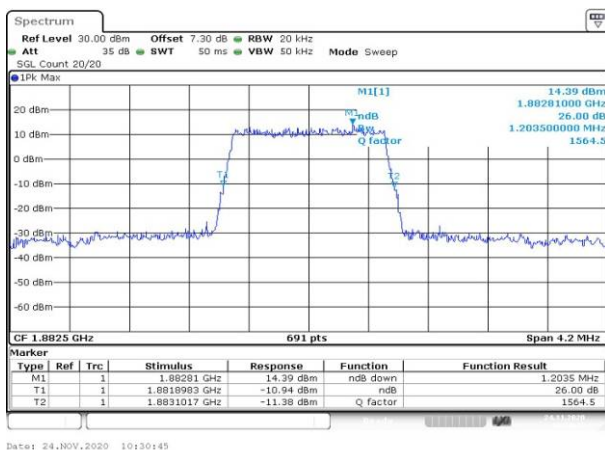


Fig.5

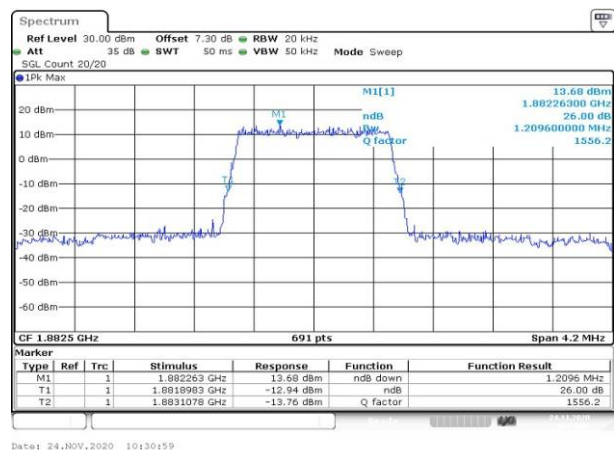


Fig.6

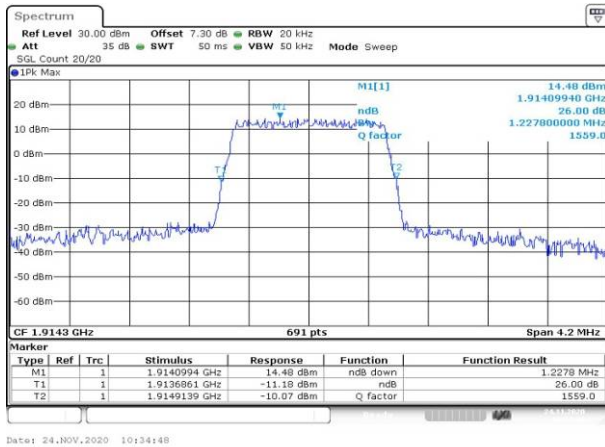


Fig.7

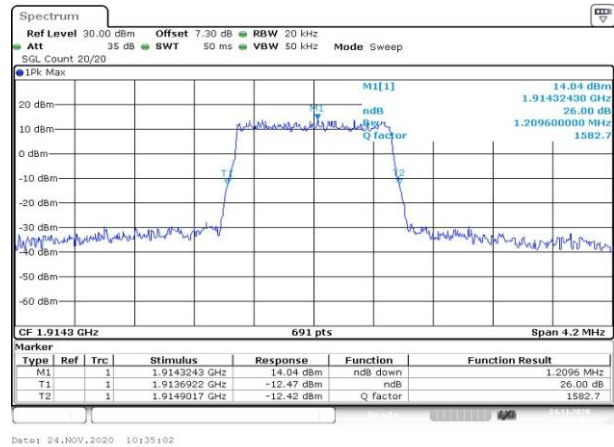


Fig.8

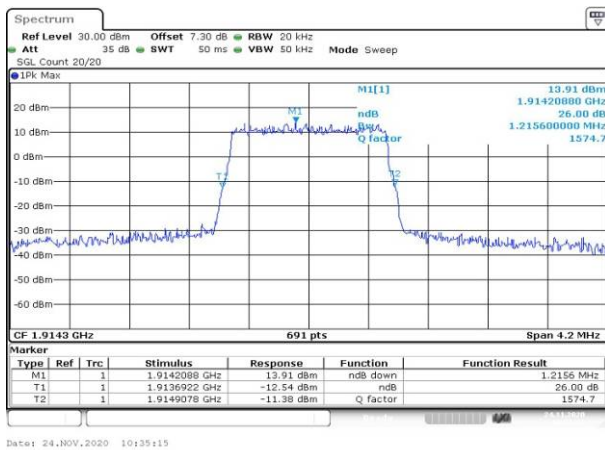


Fig.9

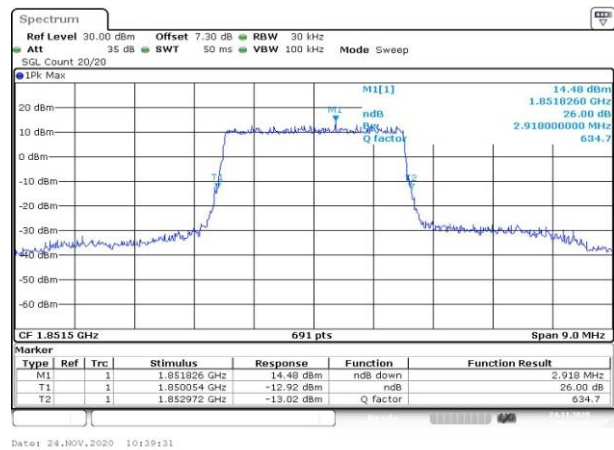


Fig.10

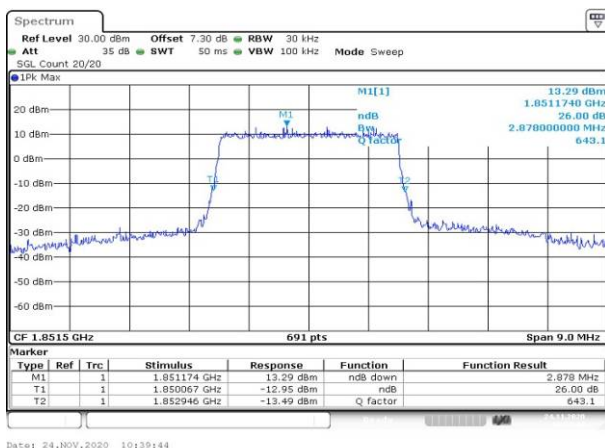


Fig.11

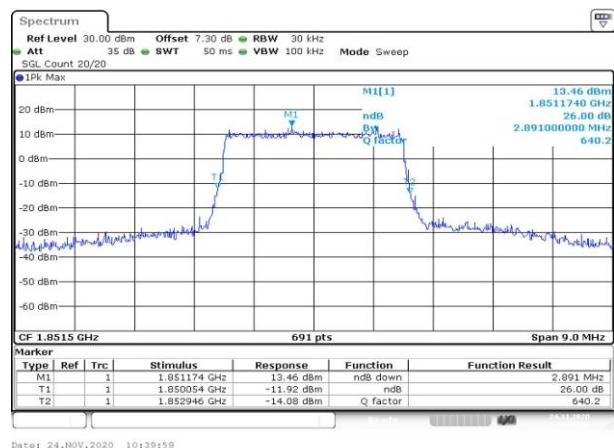


Fig.12

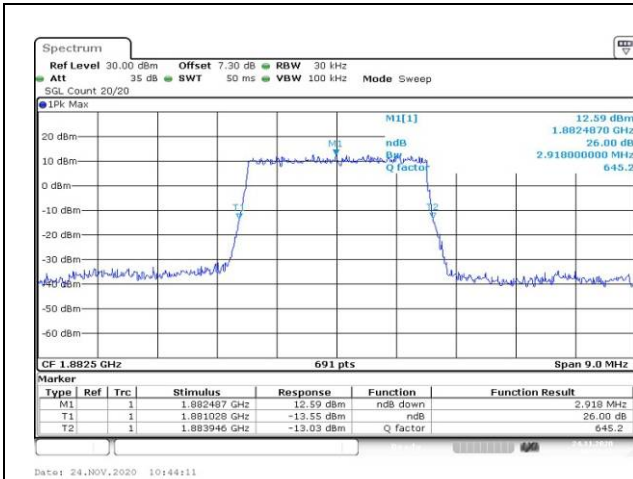


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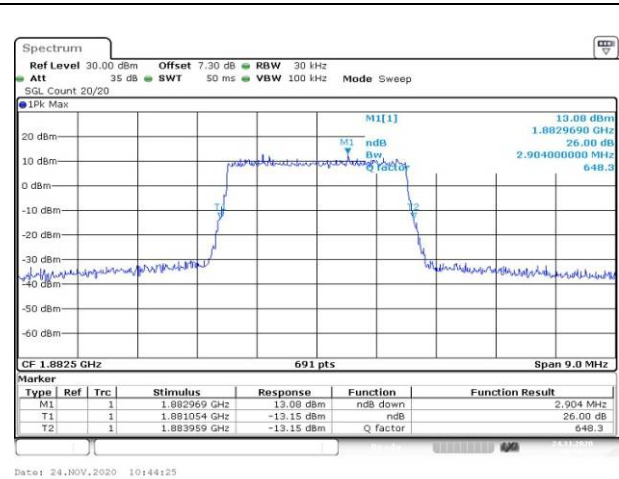


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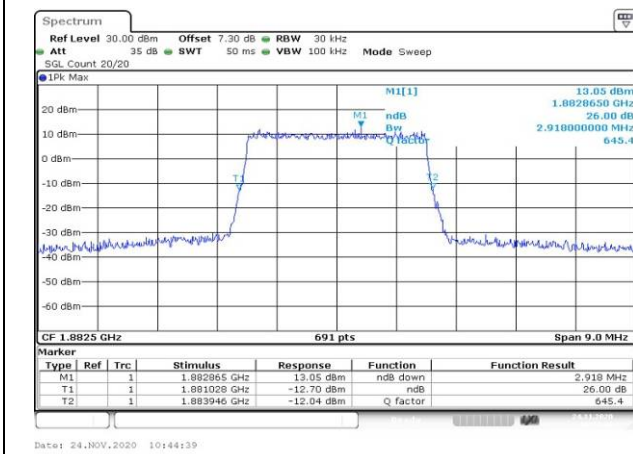


Fig.15

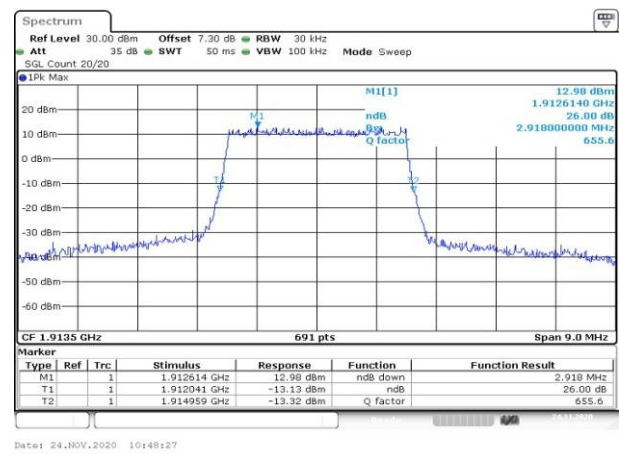


Fig.16

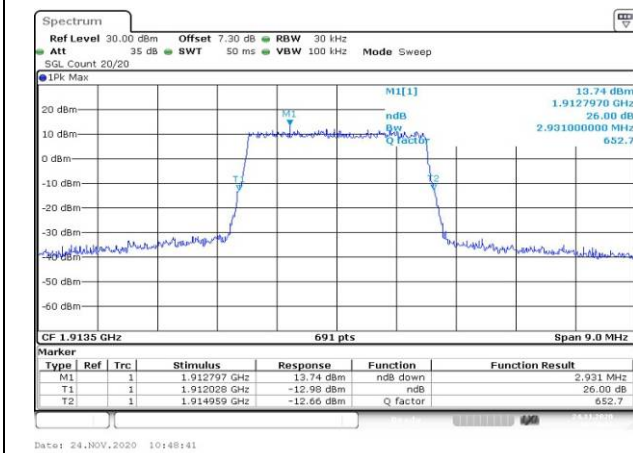


Fig.17

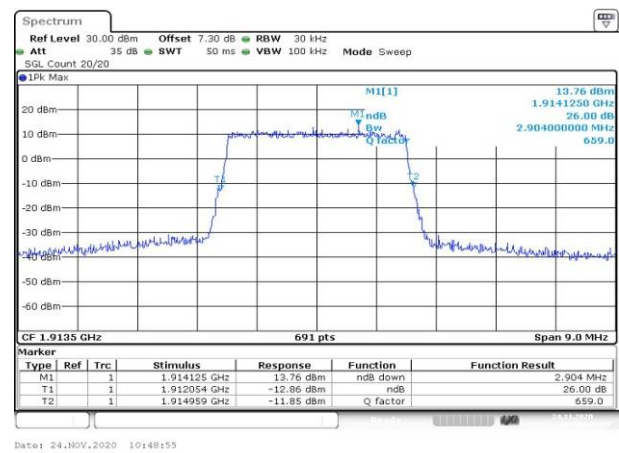


Fig.18

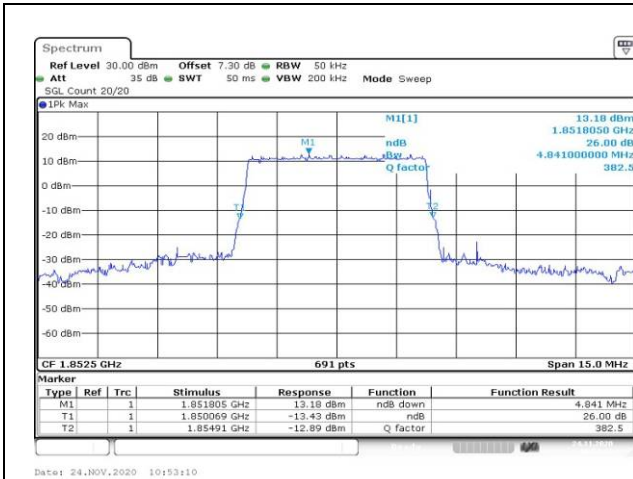


Fig.19

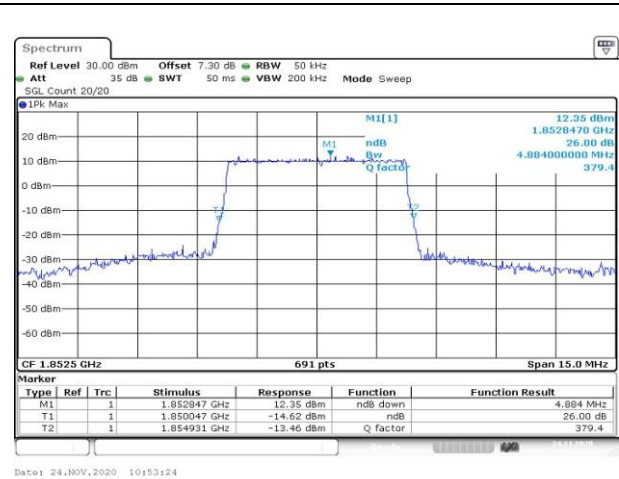


Fig.20

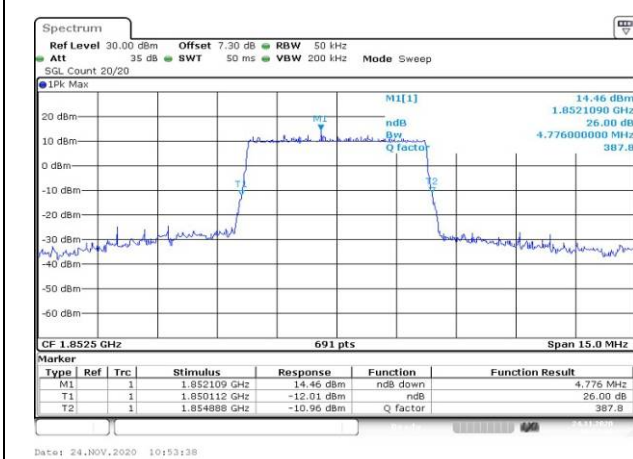


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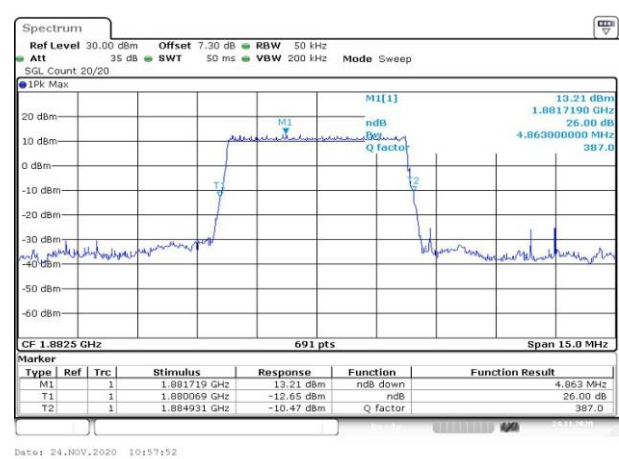


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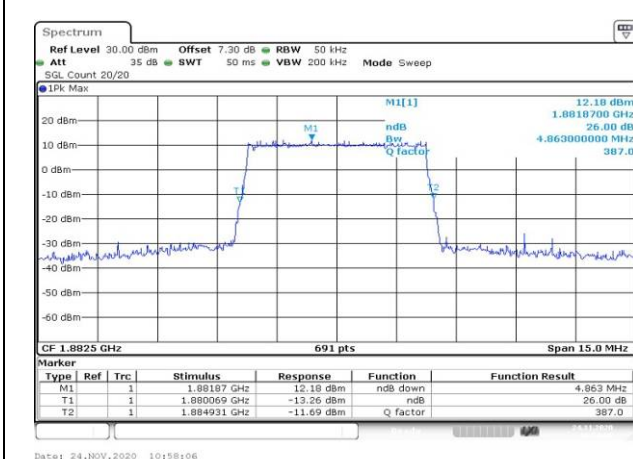


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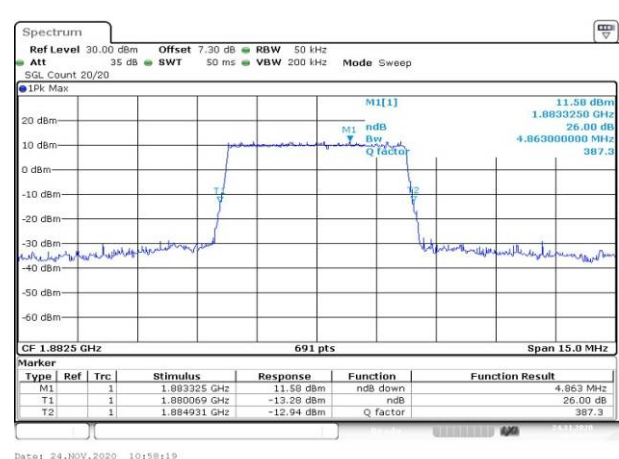


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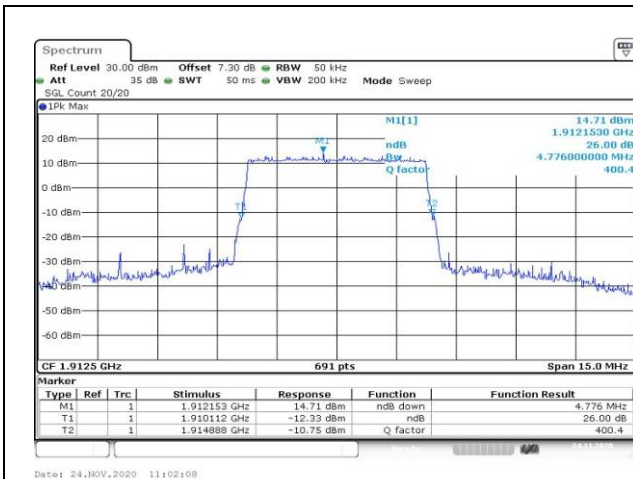


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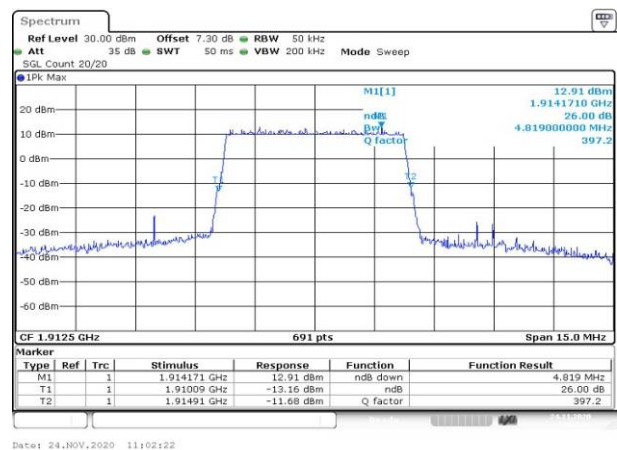


Fig.26

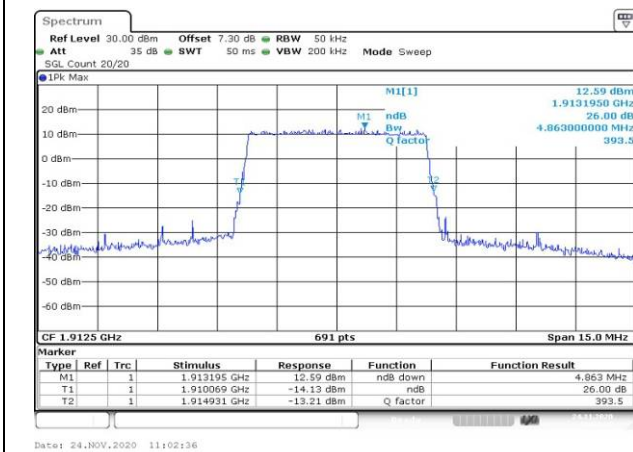


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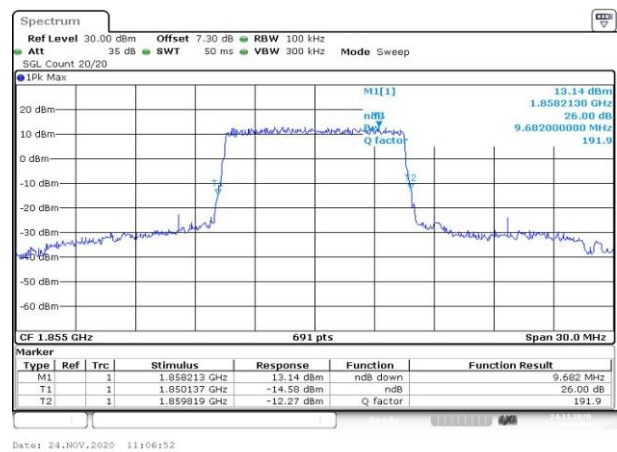


Fig.28

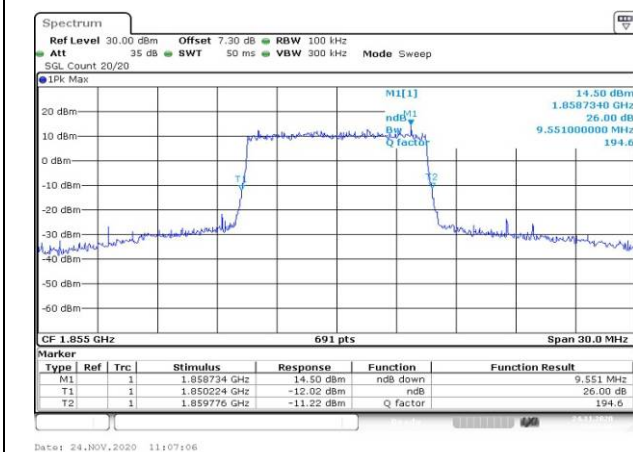


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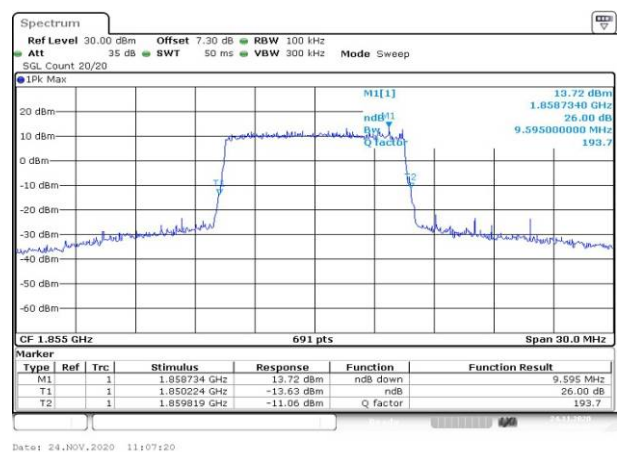


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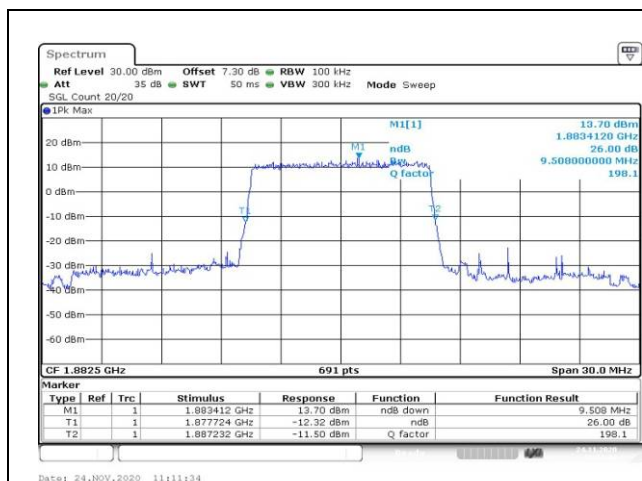


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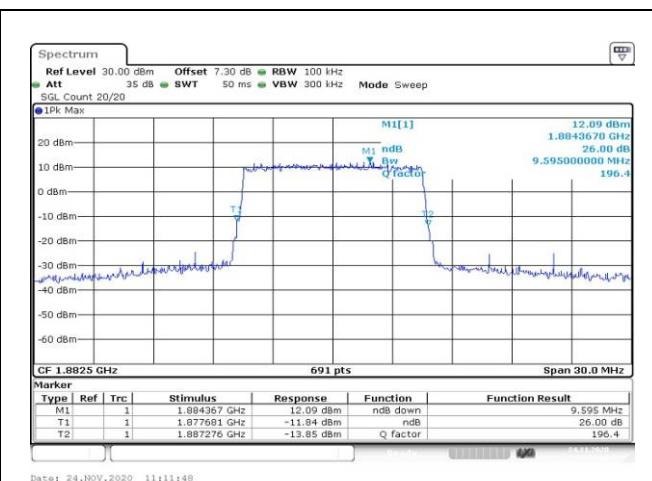


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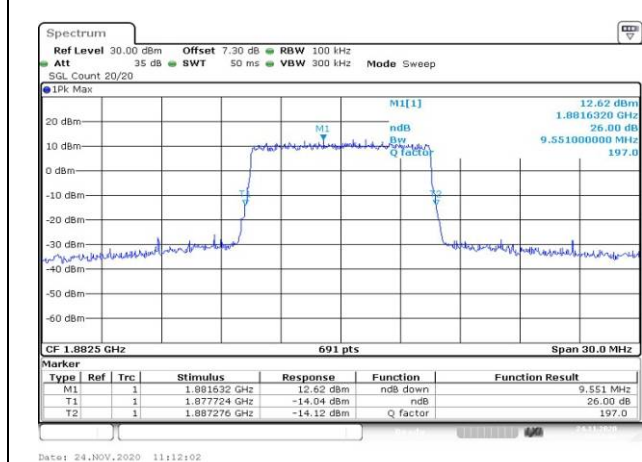


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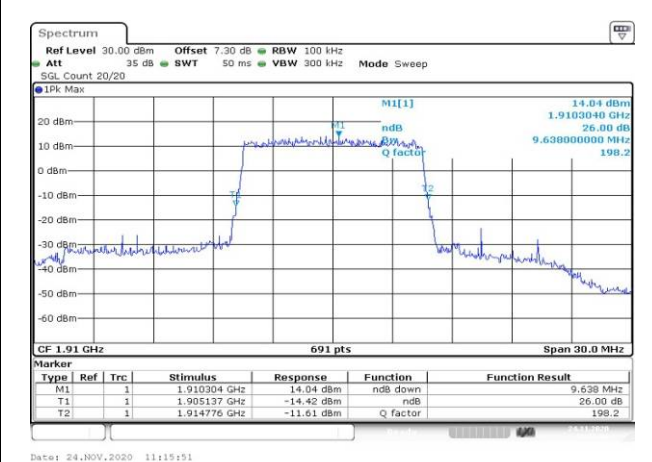


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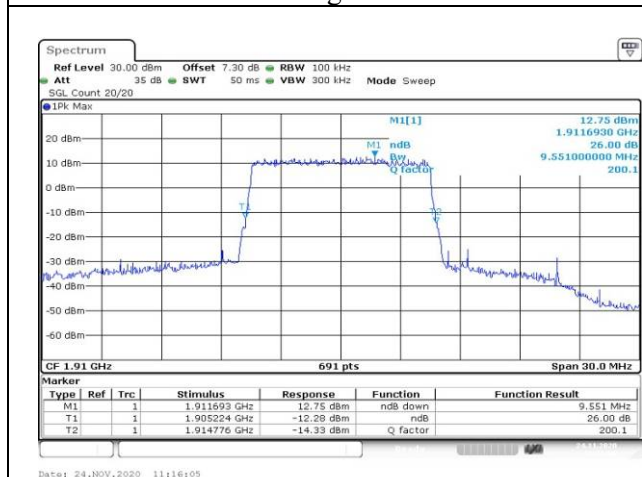


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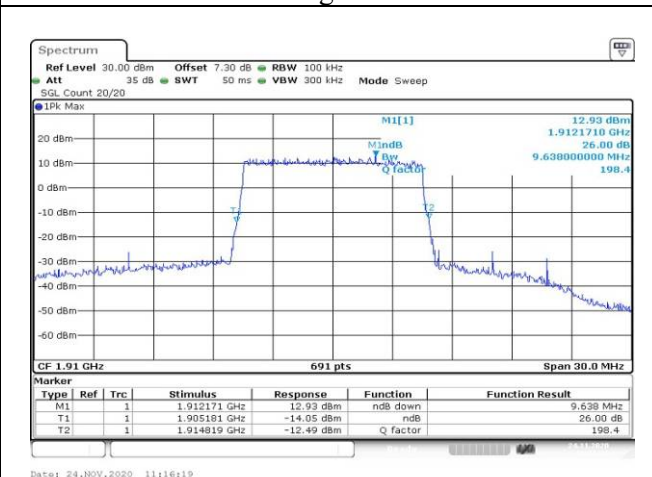


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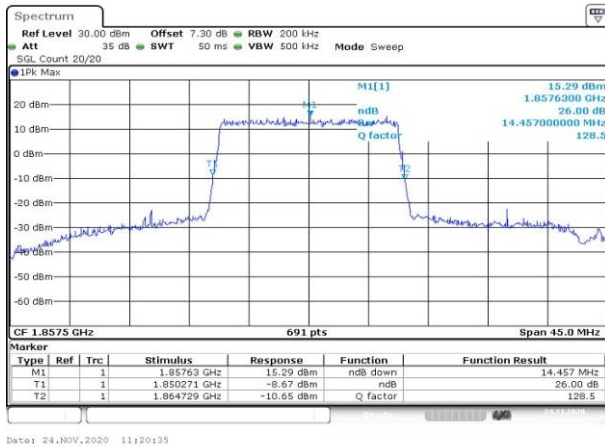


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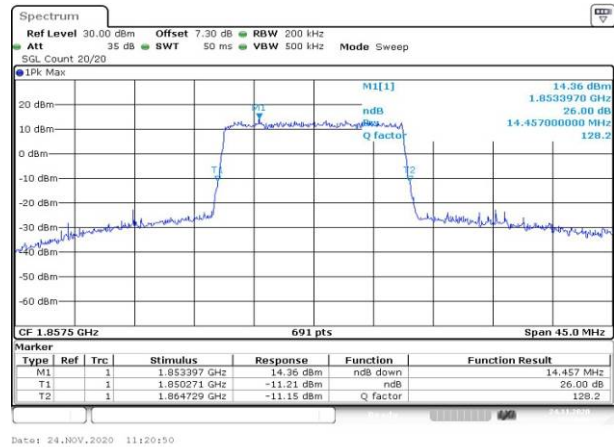


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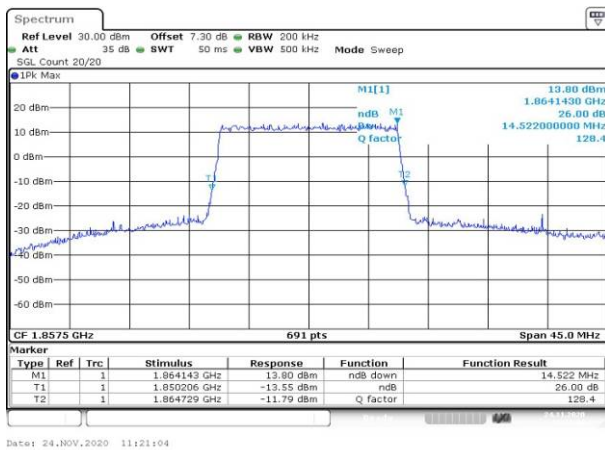


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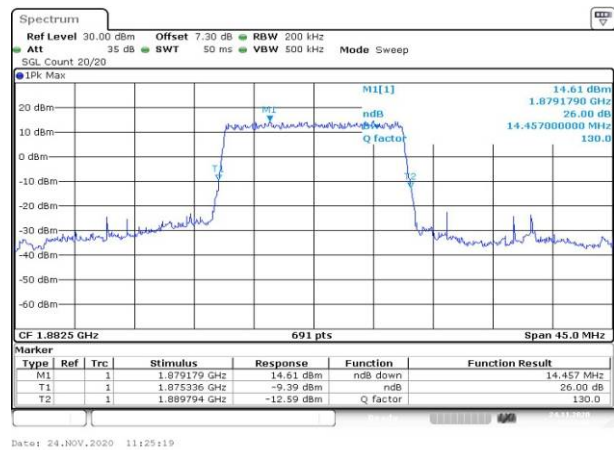


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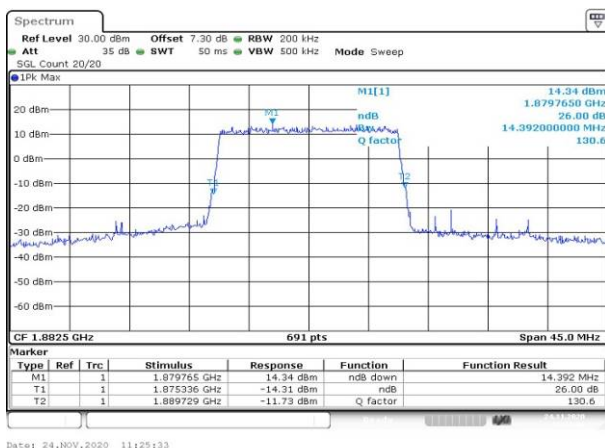


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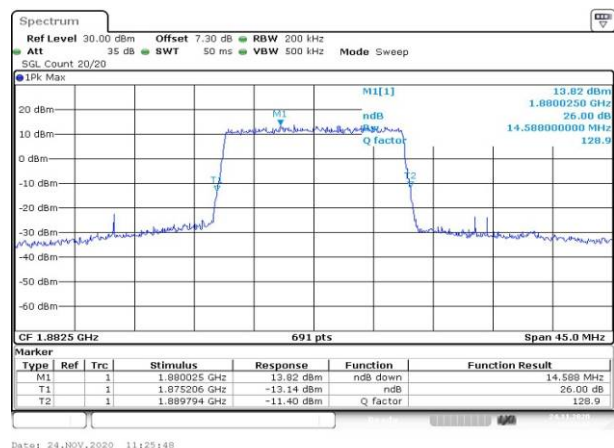


Fig.42



Fig.43



Fig.44

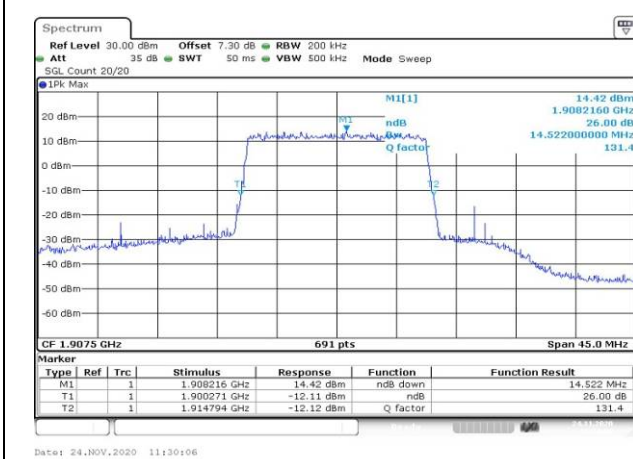


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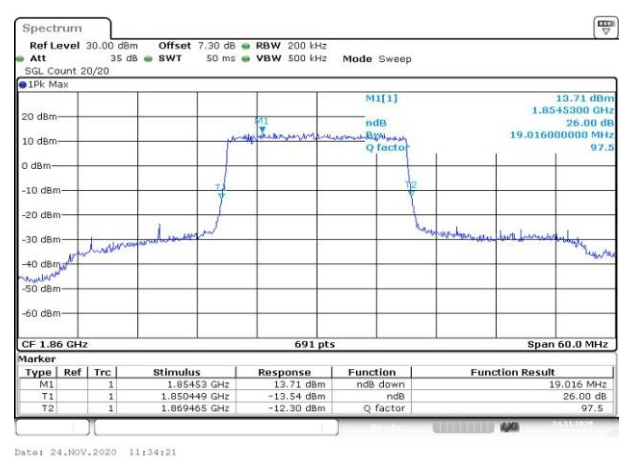


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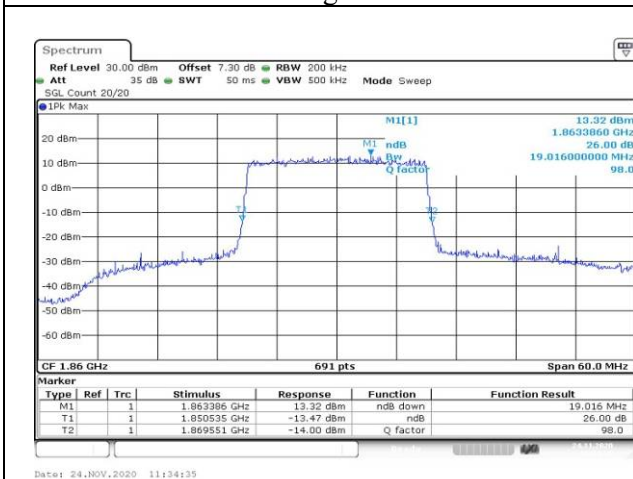


Fig.47



Fig.48

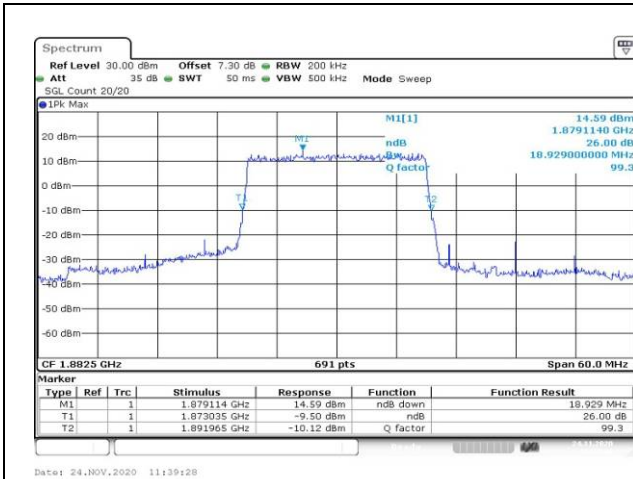


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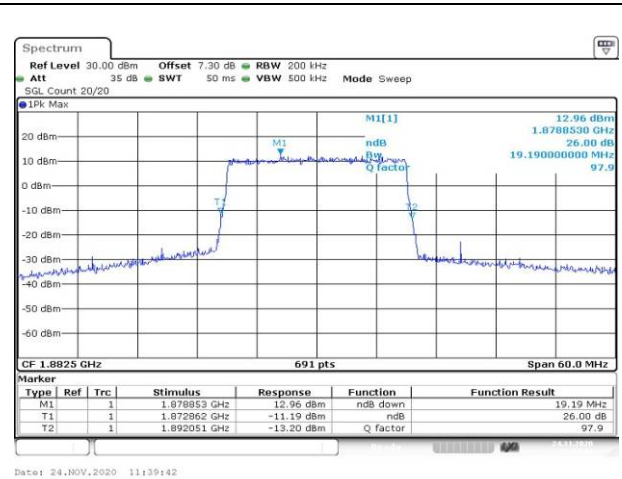


Fig.50

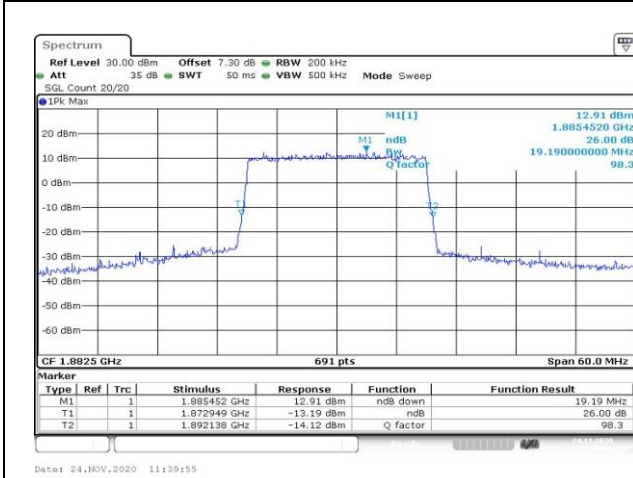


Fig.51

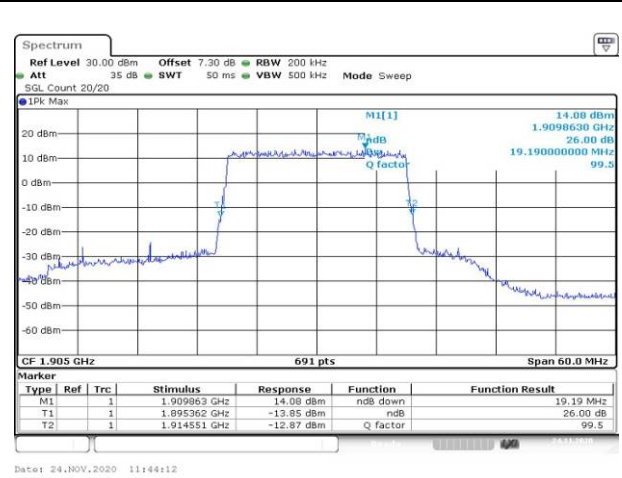


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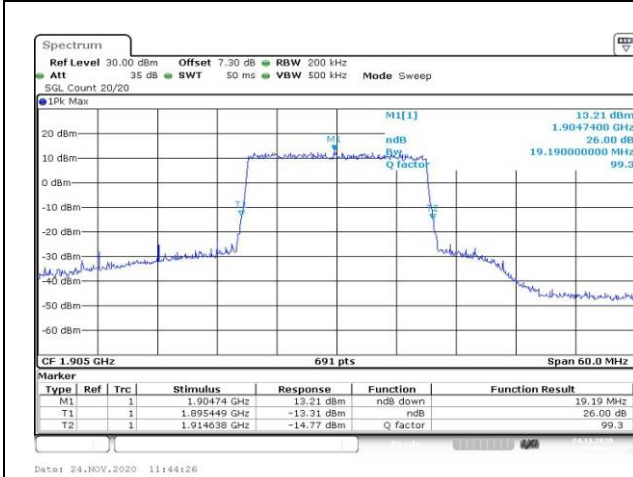


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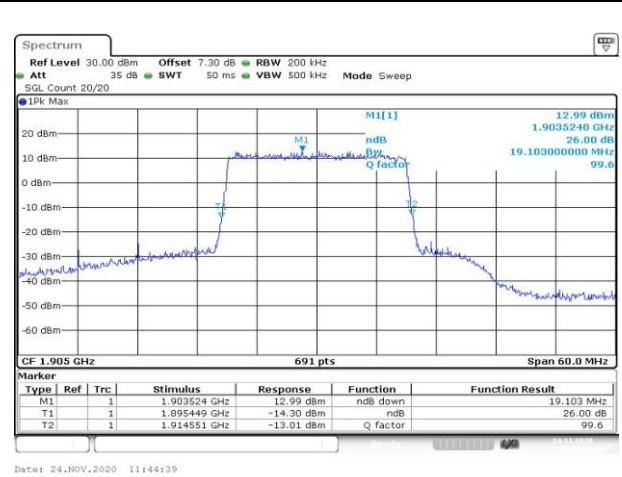


Fig.54

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

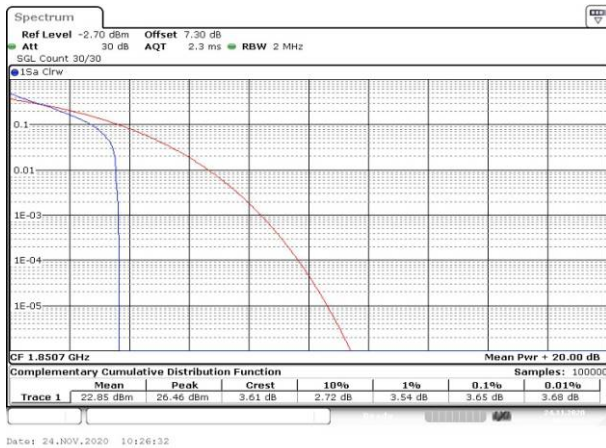


Fig.1

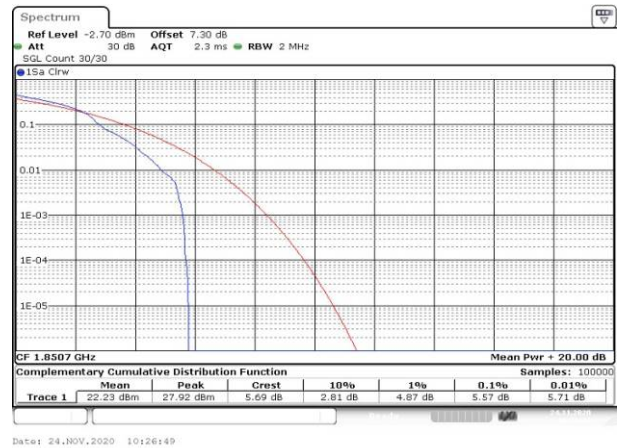


Fig.2

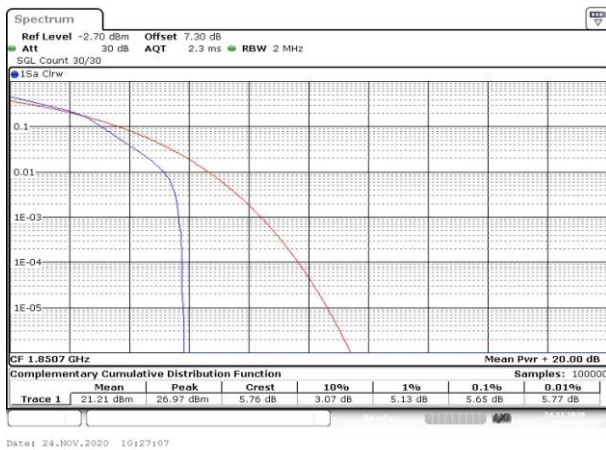


Fig.3

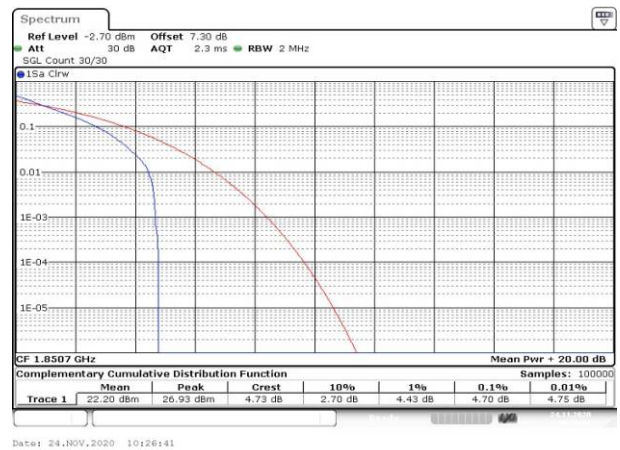


Fig.4

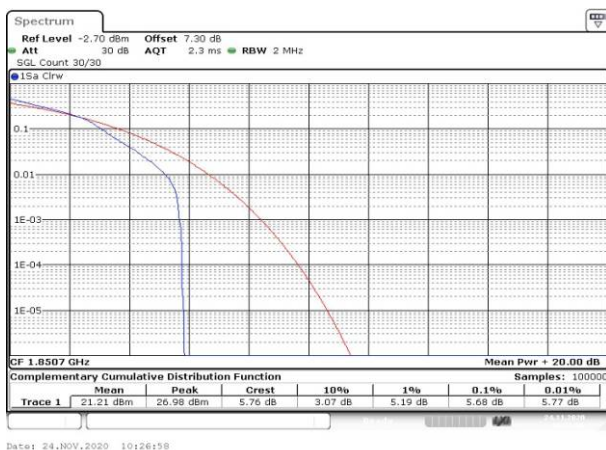


Fig.5

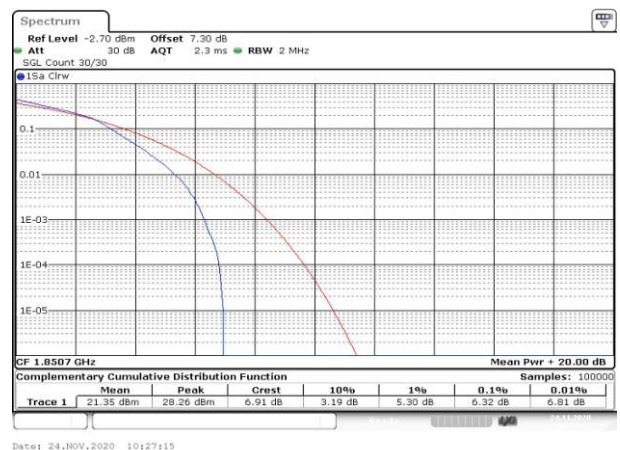


Fig.6