

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 66

1 RF Power Output

RF Power Output							
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1710.7	131979	1.4	1	0	22.65	
				1	3	22.64	
				1	5	22.72	
				3	0	22.71	
				3	1	22.69	
				3	3	22.66	
				6	0	21.78	
	1755	132422		1	0	22.83	
				1	3	22.87	
				1	5	22.84	
				3	0	22.91	
				3	1	22.93	
				3	3	22.90	
				6	0	21.96	
	1779.3	132665		1	0	22.82	
				1	3	22.87	
				1	5	22.82	
				3	0	22.87	
				3	1	22.85	
				3	3	22.87	
				6	0	21.93	
	16QAM	1710.7		131979	1	0	21.84
					1	3	21.90
					1	5	21.89
3					0	21.86	
3					1	21.81	
3					3	21.81	
6					0	20.70	
1755		132422	1	0	22.08		
			1	3	22.09		
			1	5	22.08		
			3	0	22.04		
			3	1	22.04		
			3	3	22.09		
			6	0	20.93		
1779.3		132665	1	0	22.03		
			1	3	21.99		
			1	5	21.99		
			3	0	21.91		
			3	1	21.86		
			3	3	21.87		
6	0	21.01					

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1710.7	131979	1.4	1	0	20.70
				1	3	20.70
				1	5	20.69
				3	0	20.69
				3	1	20.69
				3	3	20.68
	1755	132422		6	0	20.68
				1	0	20.93
				1	3	20.94
				1	5	20.89
				3	0	20.93
				3	1	20.89
	1779.3	132665		3	3	20.94
				6	0	20.93
				1	0	21.01
				1	3	21.02
				1	5	21.02
				3	0	21.01
				3	1	21.01
				3	3	21.01
				6	0	21.01

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1711.5	131987	3	1	0	22.79	
				1	8	22.78	
				1	14	22.72	
				8	0	21.83	
				8	4	21.81	
				8	7	21.80	
				15	0	21.83	
	1755	132422		1	0	22.97	
				1	8	23.00	
				1	14	22.98	
				8	0	22.05	
				8	4	22.12	
				8	7	22.12	
				15	0	22.09	
	1778.5	132657		1	0	22.90	
				1	8	22.98	
				1	14	22.94	
				8	0	22.07	
				8	4	21.99	
				8	7	21.99	
				15	0	22.08	
	16QAM	1711.5		131987	1	0	21.95
					1	8	21.87
					1	14	21.86
8					0	20.89	
8					4	20.85	
8					7	20.85	
15					0	20.91	
1755		132422		1	0	22.15	
				1	8	22.22	
			1	14	22.22		
			8	0	21.09		
			8	4	21.17		
			8	7	21.12		
			15	0	21.13		
1778.5		132657	1	0	22.18		
			1	8	22.10		
			1	14	22.10		
			8	0	21.11		
			8	4	21.09		
			8	7	21.07		
			15	0	21.16		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1711.5	131987	3	1	0	20.91
				1	8	20.91
				1	14	20.91
				8	0	20.91
				8	4	20.90
				8	7	20.91
				15	0	20.91
	1755	132422		1	0	21.13
				1	8	21.13
				1	14	21.14
				8	0	21.13
				8	4	21.13
				8	7	21.13
				15	0	21.14
	1778.5	132657		1	0	21.16
				1	8	21.10
				1	14	21.10
				8	0	21.15
				8	4	21.17
				8	7	21.13
				15	0	21.15

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1712.5	131997	5	1	0	22.94	
				1	12	23.04	
				1	24	23.02	
				12	0	22.04	
				12	7	22.11	
				12	13	22.12	
				25	0	22.14	
	1755	132422		1	0	22.87	
				1	12	22.95	
				1	24	22.91	
				12	0	21.99	
				12	7	22.02	
				12	13	22.04	
				25	0	22.08	
	1777.5	132647		1	0	23.01	
				1	12	22.86	
				1	24	22.92	
				12	0	22.04	
				12	7	21.97	
				12	13	22.02	
				25	0	22.07	
	16QAM	1712.5		131997	1	0	22.08
					1	12	22.17
					1	24	22.25
12			0		21.09		
12			7		21.12		
12			13		21.14		
25			0		21.21		
1755		132422	1	0	22.03		
			1	12	22.11		
			1	24	22.14		
			12	0	21.00		
			12	7	21.03		
			12	13	21.09		
			25	0	21.11		
1777.5		132647	1	0	22.10		
			1	12	22.02		
			1	24	22.01		
			12	0	21.03		
			12	7	21.02		
			12	13	21.02		
			25	0	21.11		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1712.5	131997	5	1	0	21.81
				1	12	21.82
				1	24	21.77
				12	0	21.84
				12	7	21.83
				12	13	21.80
	25	0		21.78		
	1755	132422		1	0	21.13
				1	12	21.12
				1	24	21.11
				12	0	21.10
				12	7	21.12
				12	13	21.10
	25	0		21.14		
	1777.5	132647		1	0	21.08
				1	12	21.11
				1	24	21.14
				12	0	21.13
				12	7	21.12
				12	13	21.14
				25	0	21.13

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1715	132022	10	1	0	22.45	
				1	25	22.64	
				1	49	22.74	
				25	0	21.88	
				25	12	21.72	
				25	25	21.75	
				50	0	21.80	
	1755	132422		1	0	23.03	
				1	25	23.08	
				1	49	23.04	
				25	0	22.05	
				25	12	22.11	
				25	25	22.14	
				50	0	22.05	
	1775	132622		1	0	22.09	
				1	25	23.03	
				1	49	22.94	
				25	0	22.06	
				25	12	22.05	
				25	25	21.99	
				50	0	22.03	
	16QAM	1715		132022	1	0	21.96
					1	25	21.82
					1	49	21.81
25					0	20.91	
25					12	20.87	
25					25	20.86	
50					0	20.87	
1755		132422		1	0	22.09	
				1	25	22.15	
			1	49	22.19		
			25	0	21.12		
			25	12	21.18		
			25	25	21.21		
			50	0	21.10		
1775		132622	1	0	22.14		
			1	25	22.04		
			1	49	22.11		
			25	0	21.24		
			25	12	21.15		
			25	25	21.19		
			50	0	21.08		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1715	132022	10	1	0	20.88
				1	25	20.82
				1	49	20.84
				25	0	20.88
				25	12	20.87
				25	25	20.84
	1755	132422		50	0	20.80
				1	0	21.13
				1	25	21.08
				1	49	21.16
				25	0	21.08
				25	12	21.08
	1775	132622		25	25	21.14
				50	0	21.18
				1	0	21.07
				1	25	21.04
				1	49	21.10
				25	0	21.03
				25	12	21.09
				25	25	21.05
				50	0	21.02

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1717.5	132047	15	1	0	22.78	
				1	37	22.63	
				1	74	22.59	
				36	0	21.82	
				36	29	21.84	
				36	30	21.73	
				75	0	21.77	
	1755	132422		1	0	22.82	
				1	37	22.98	
				1	74	22.97	
				36	0	22.01	
				36	29	22.06	
				36	30	22.11	
				75	0	22.08	
	1772.5	132597		1	0	22.84	
				1	37	22.95	
				1	74	22.96	
				36	0	22.10	
				36	29	22.14	
				36	30	22.08	
				75	0	22.01	
	16QAM	1717.5		132047	1	0	22.34
					1	37	22.13
					1	74	22.16
36					0	20.83	
36					29	20.78	
36					30	20.75	
75					0	20.81	
1755		132422	1	0	22.49		
			1	37	22.56		
			1	74	22.58		
			36	0	20.97		
			36	29	21.09		
			36	30	21.10		
			75	0	21.08		
1772.5		132597	1	0	22.63		
			1	37	22.53		
			1	74	22.49		
			36	0	21.08		
			36	29	21.13		
			36	30	21.12		
75	0	21.09					

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1717.5	132047	15	1	0	20.79
				1	37	20.74
				1	74	20.78
				36	0	20.81
				36	29	20.83
				36	30	20.72
	1755	132422		75	0	20.75
				1	0	21.11
				1	37	21.08
				1	74	21.05
				36	0	21.05
				36	29	21.04
	1772.5	132597		36	30	21.04
				75	0	21.04
				1	0	21.04
				1	37	21.13
				1	74	21.01
				36	0	21.04
				36	29	21.12
				36	30	21.11
				75	0	21.04

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	132072	20	1	0	22.41
				1	49	22.65
				1	99	22.68
				50	0	21.84
				50	24	21.75
				50	50	21.75
				100	0	21.79
	1755	132422		1	0	22.97
				1	49	22.88
				1	99	22.84
				50	0	21.99
				50	24	22.13
				50	50	22.10
				100	0	22.14
	1770	132572		1	0	23.05
				1	49	22.72
				1	99	22.86
				50	0	22.16
				50	24	22.05
				50	50	22.10
				100	0	22.06
16QAM	1720	132072	1	0	22.47	
			1	49	22.18	
			1	99	22.38	
			50	0	20.77	
			50	24	20.80	
			50	50	20.80	
			100	0	20.77	
	1755	132422	1	0	22.46	
			1	49	22.79	
			1	99	22.76	
			50	0	20.98	
			50	24	21.16	
			50	50	21.12	
			100	0	21.12	
	1770	132572	1	0	22.80	
			1	49	22.49	
			1	99	22.56	
			50	0	21.16	
			50	24	21.14	
			50	50	21.12	
			100	0	21.06	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1720	132072	20	1	0	20.77
				1	49	20.86
				1	99	20.80
				50	0	20.88
				50	24	20.73
				50	50	20.84
				100	0	20.85
	1755	132422		1	0	21.11
				1	49	21.12
				1	99	21.06
				50	0	21.09
				50	24	21.11
				50	50	21.11
				100	0	21.15
	1770	132572		1	0	21.06
				1	49	21.10
				1	99	21.07
				50	0	21.07
				50	24	21.07
				50	50	21.03
				100	0	21.08

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
66	1710.7	131979	1.4	6	0	1.082	Fig.1	1.088	Fig.2	1.082	Fig.3
	1755	132422		6	0	1.088	Fig.4	1.082	Fig.5	1.082	Fig.6
	1779.3	132665		6	0	1.082	Fig.7	1.082	Fig.8	1.082	Fig.9
	1711.5	131987	3	15	0	2.683	Fig.10	2.683	Fig.11	2.683	Fig.12
	1755	132422		15	0	2.683	Fig.13	2.683	Fig.14	2.683	Fig.15
	1778.5	132657		15	0	2.683	Fig.16	2.683	Fig.17	2.683	Fig.18
	1712.5	131997	5	25	0	4.472	Fig.19	4.472	Fig.20	4.472	Fig.21
	1755	132422		25	0	4.472	Fig.22	4.472	Fig.23	4.472	Fig.24
	1777.5	132647		25	0	4.472	Fig.25	4.472	Fig.26	4.472	Fig.27
	1715	132022	10	50	0	8.900	Fig.28	8.900	Fig.29	8.900	Fig.30
	1755	132422		50	0	8.944	Fig.31	8.857	Fig.32	8.900	Fig.33
	1775	132622		50	0	8.944	Fig.34	8.900	Fig.35	8.944	Fig.36
	1717.5	132047	15	75	0	13.415	Fig.37	13.415	Fig.38	13.350	Fig.39
	1755	132422		75	0	13.350	Fig.40	13.415	Fig.41	13.285	Fig.42
	1772.5	132597		75	0	13.415	Fig.43	13.415	Fig.44	13.415	Fig.45
	1720	132072	20	100	0	17.887	Fig.46	17.887	Fig.47	17.800	Fig.48
	1755	132422		100	0	17.800	Fig.49	17.800	Fig.50	17.800	Fig.51
	1770	132572		100	0	17.887	Fig.52	17.887	Fig.53	17.887	Fig.54

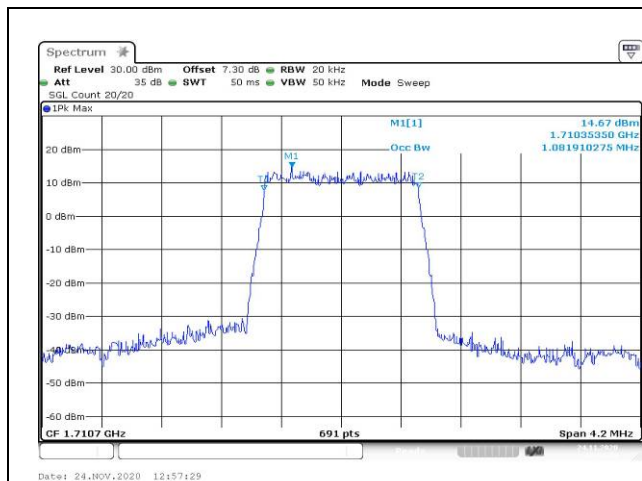


Fig.1

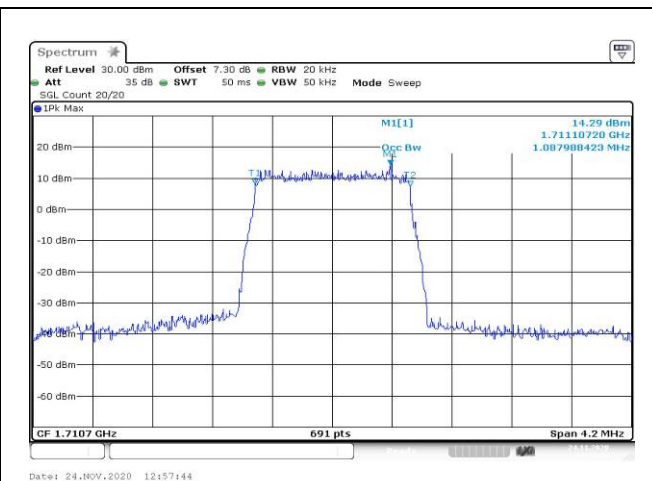


Fig.2

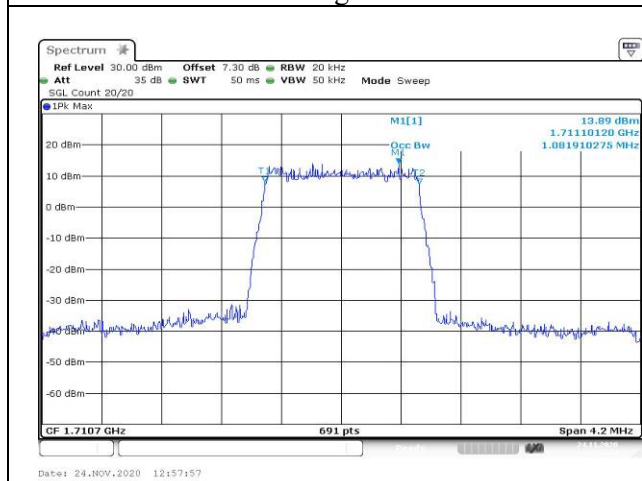


Fig.3

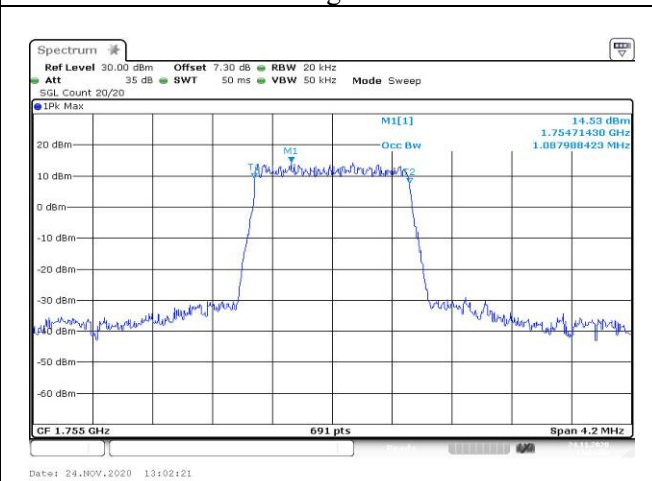


Fig.4

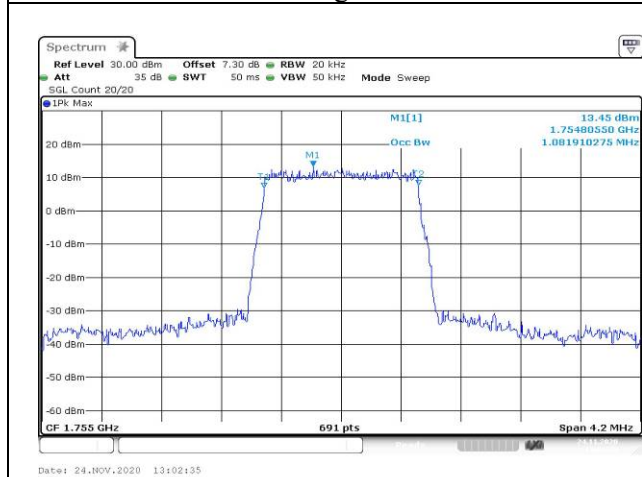


Fig.5

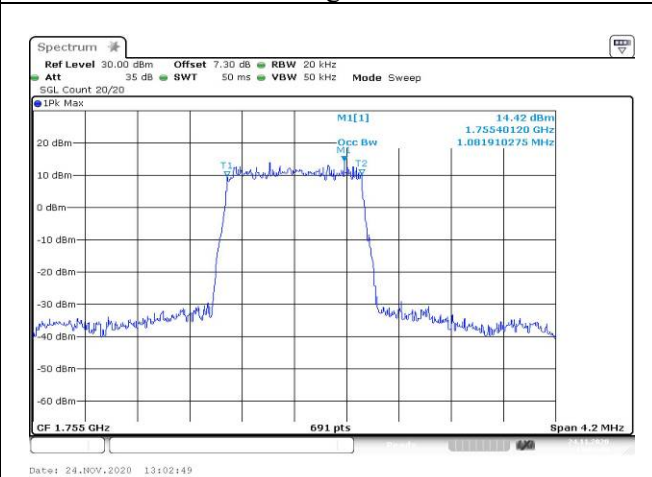


Fig.6

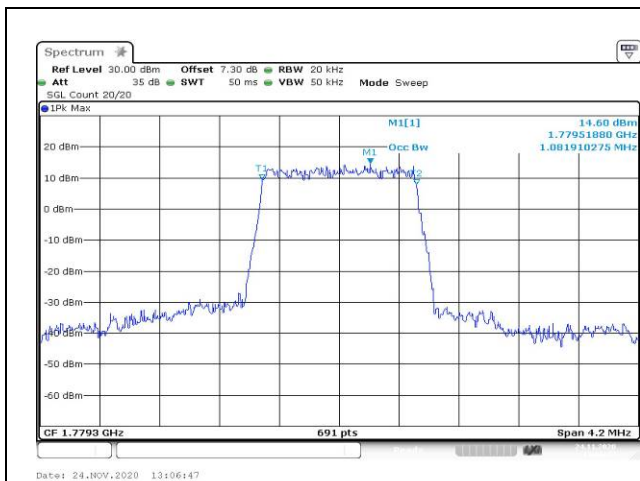


Fig.7

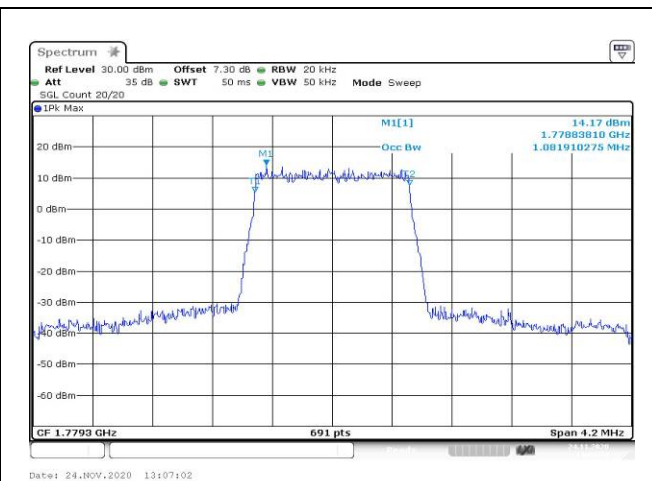


Fig.8

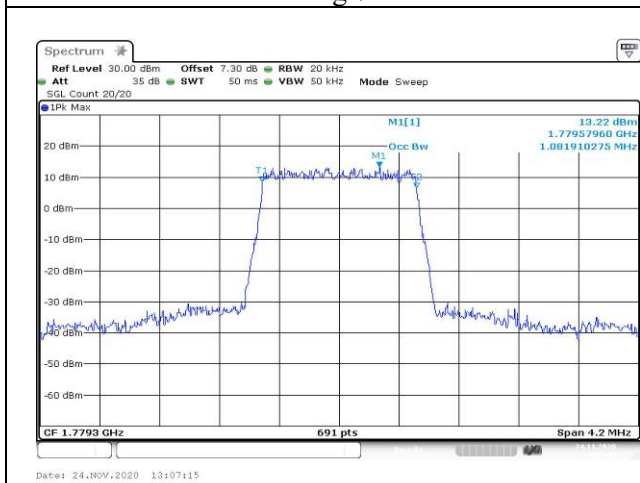


Fig.9

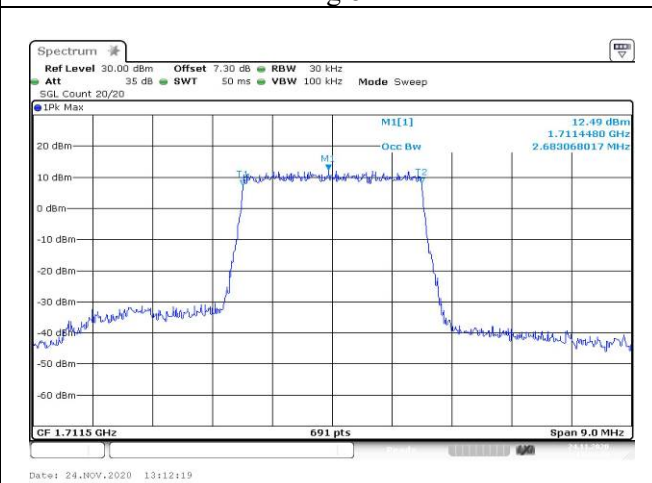


Fig.10

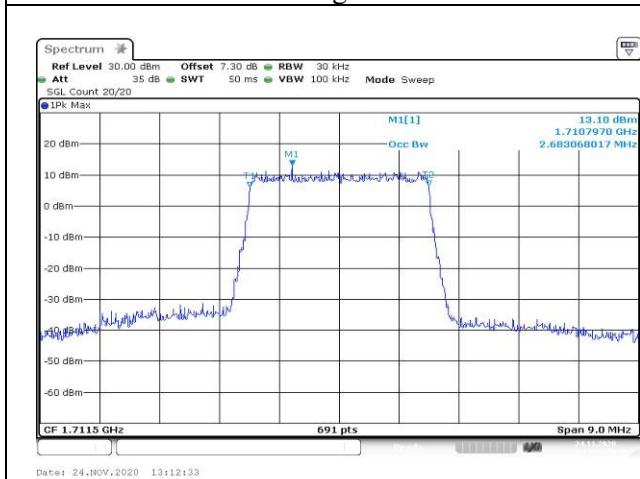


Fig.11

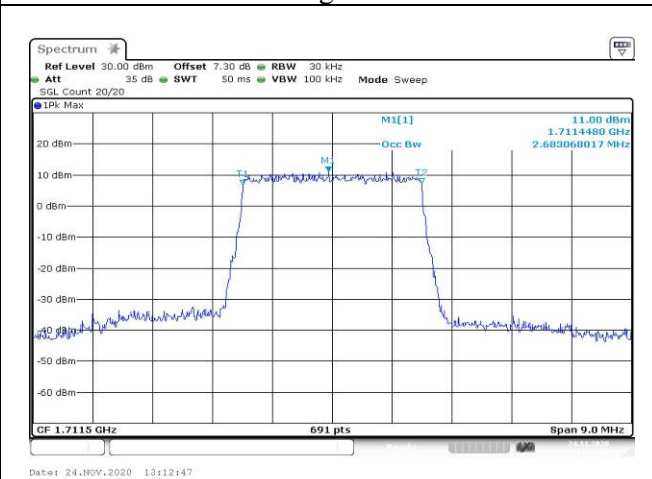


Fig.12

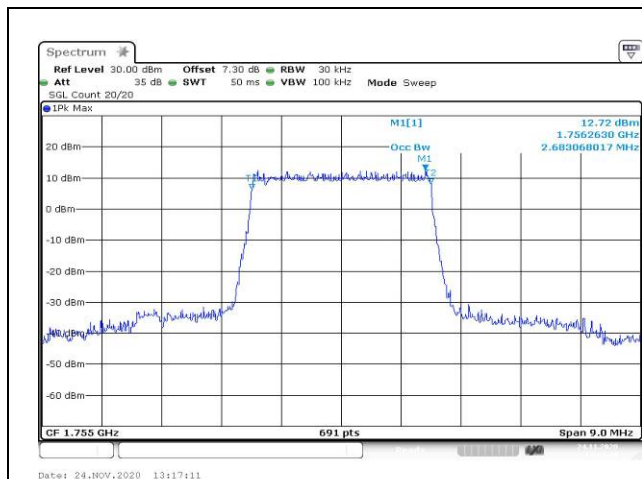


Fig.13

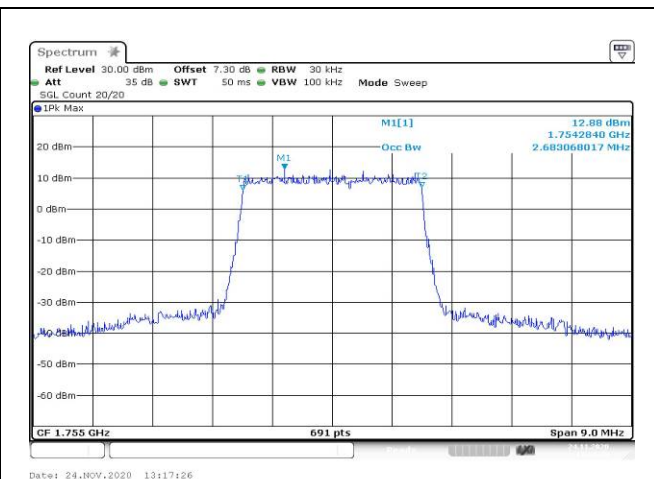


Fig.14

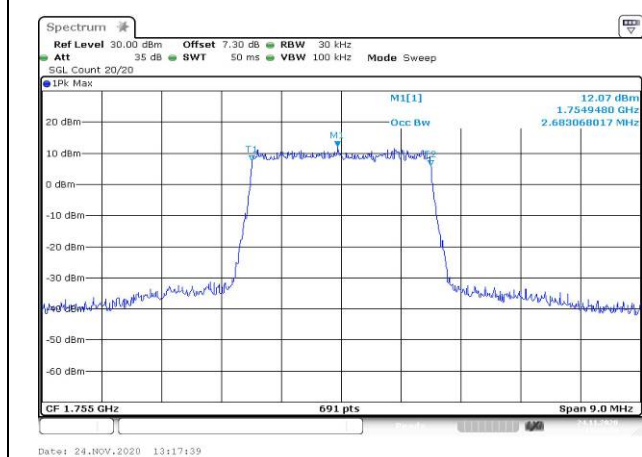


Fig.15

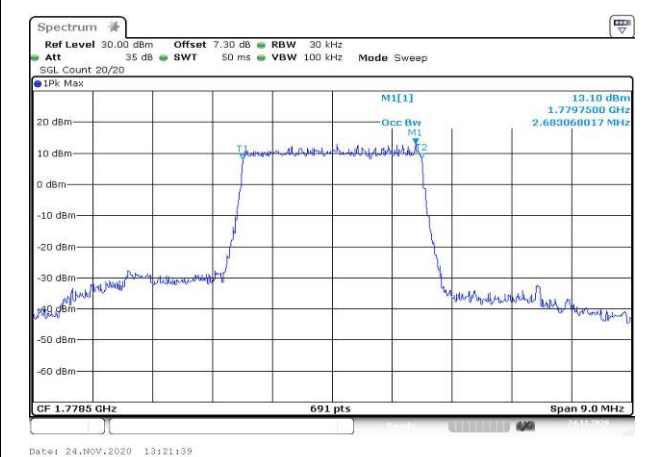


Fig.16

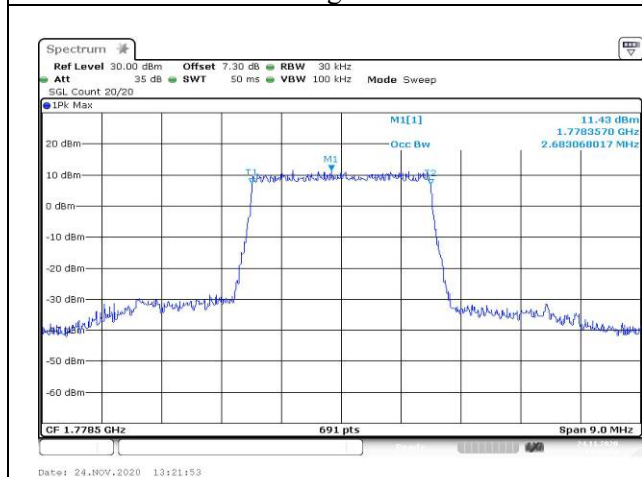


Fig.17

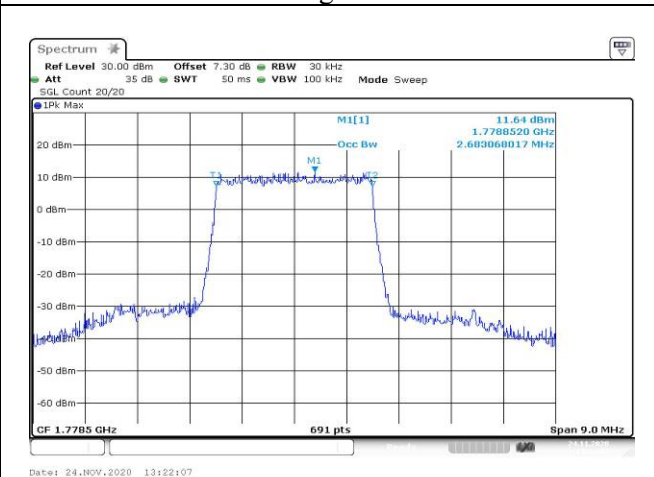
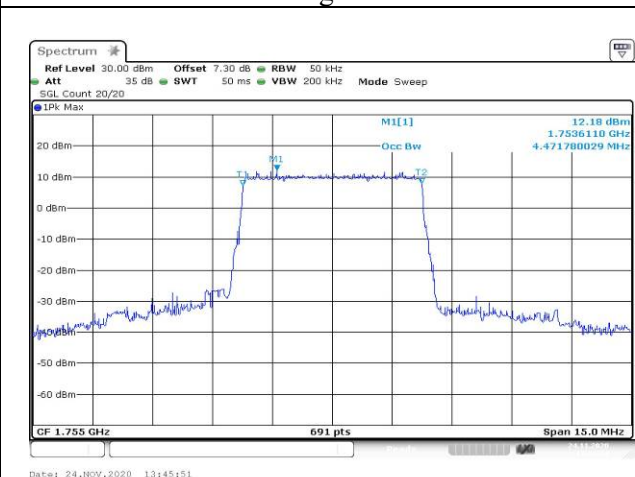
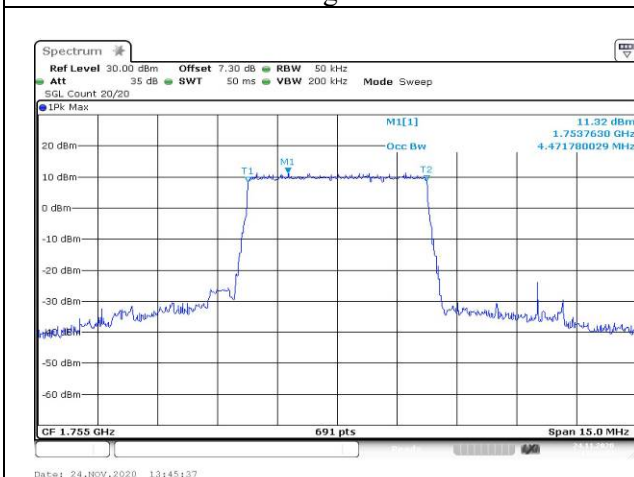
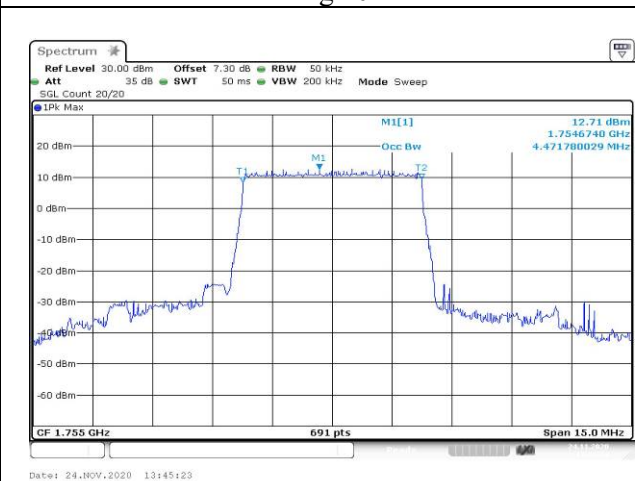
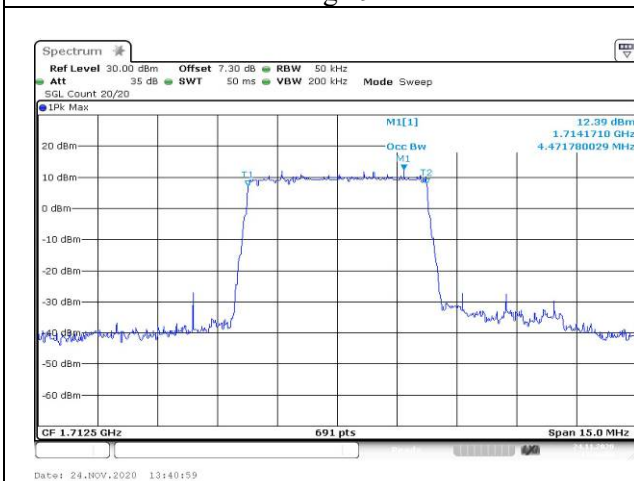
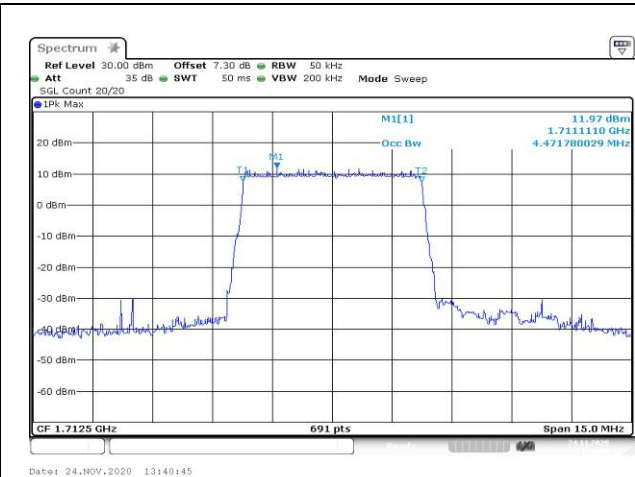
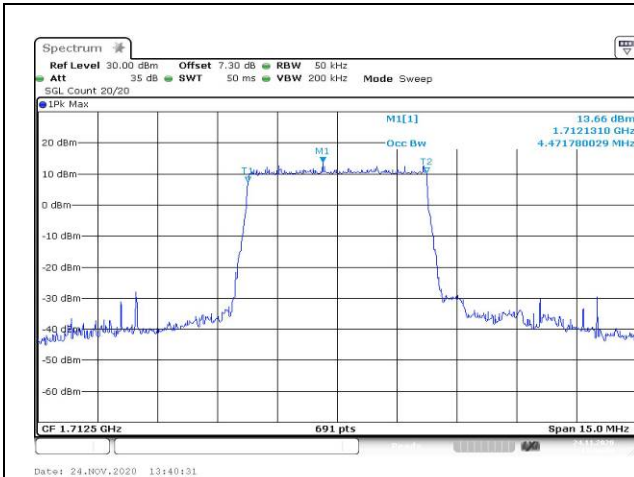
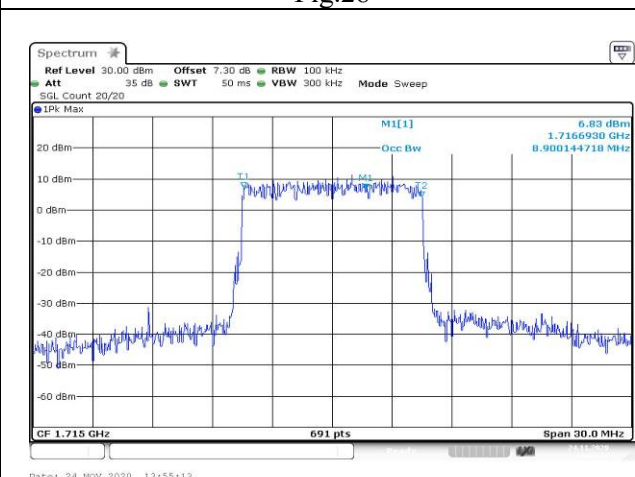
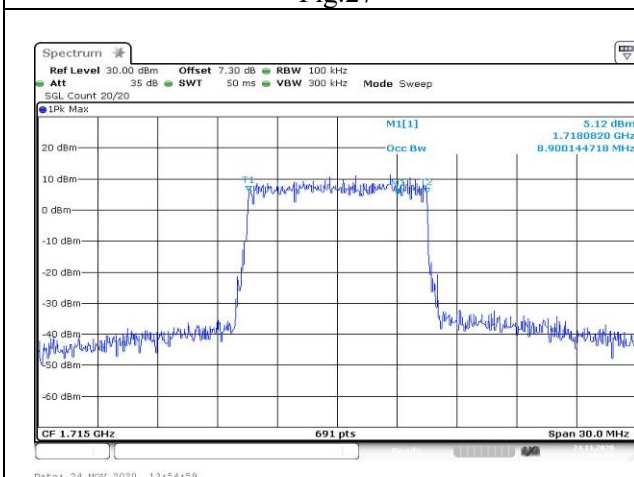
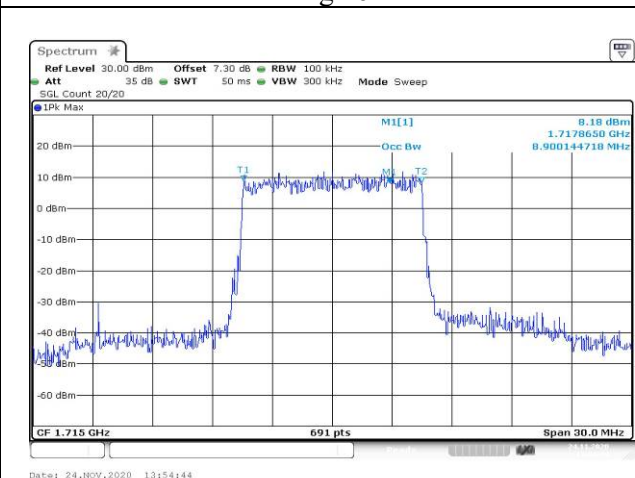
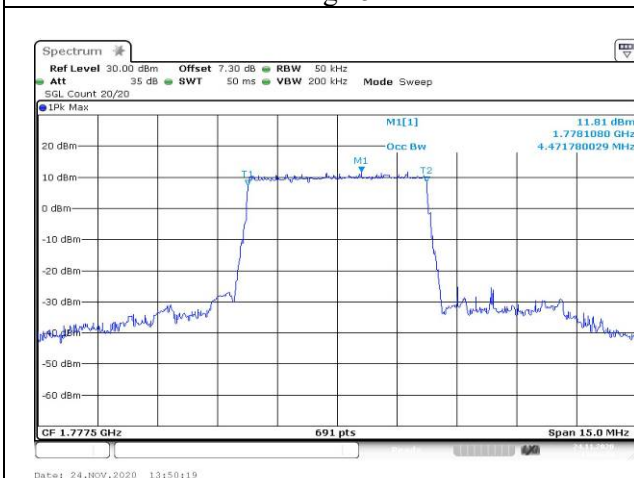
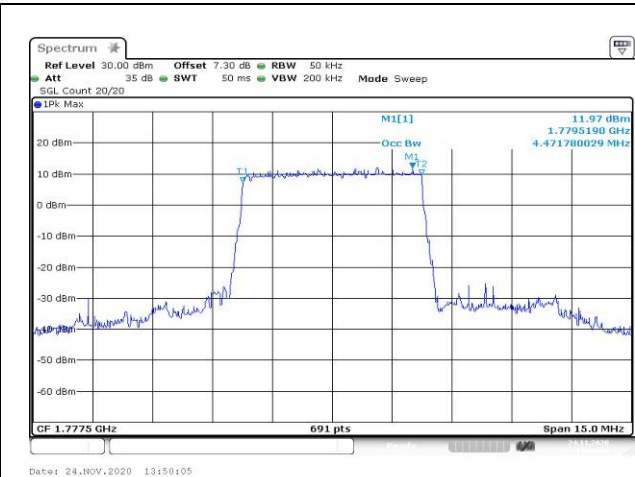
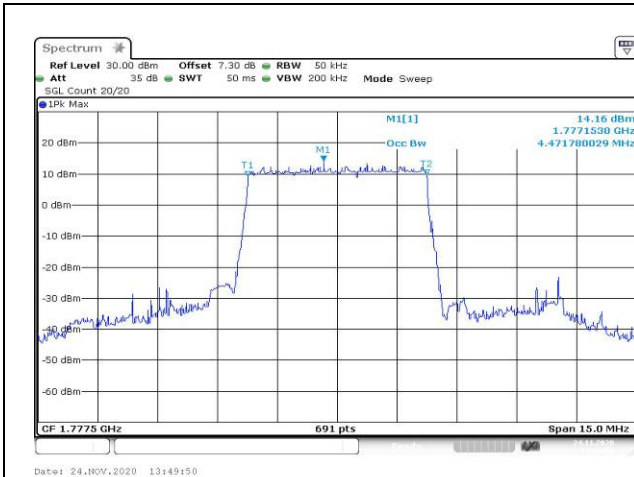
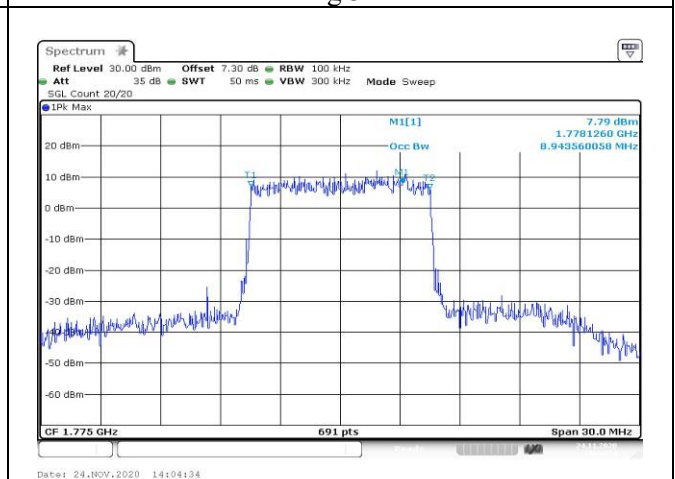
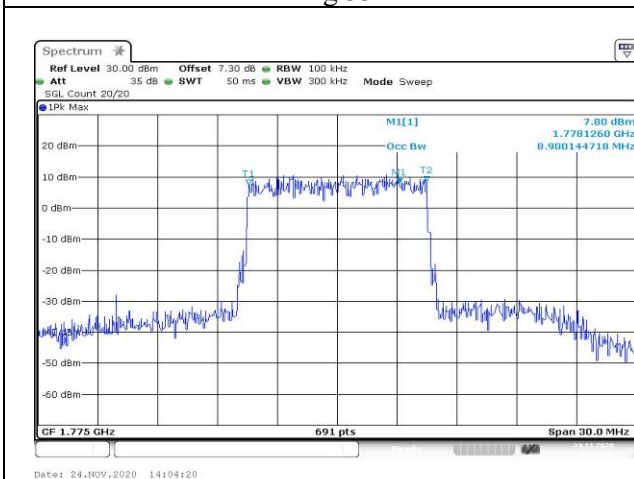
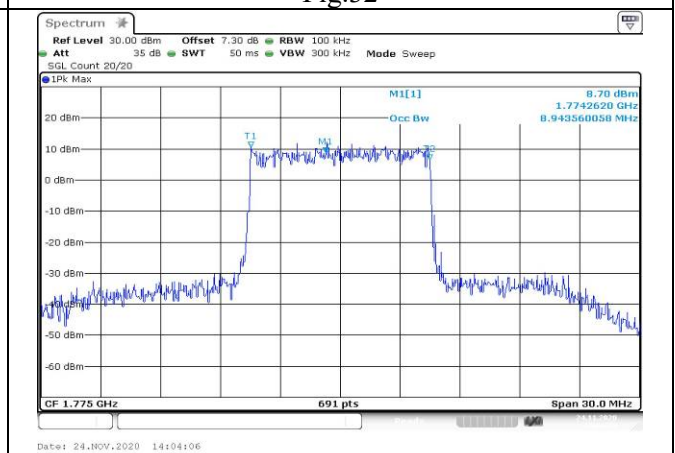
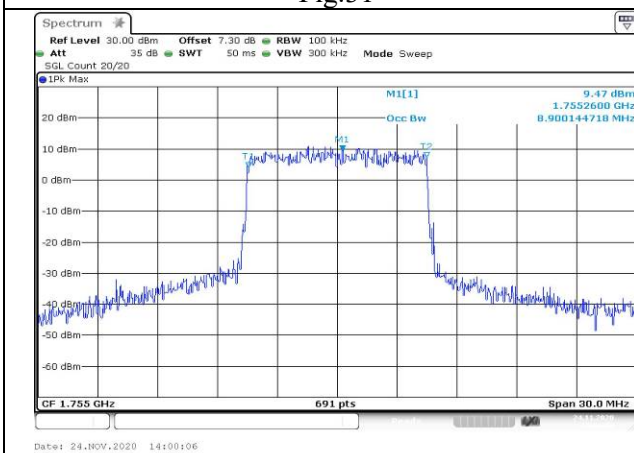
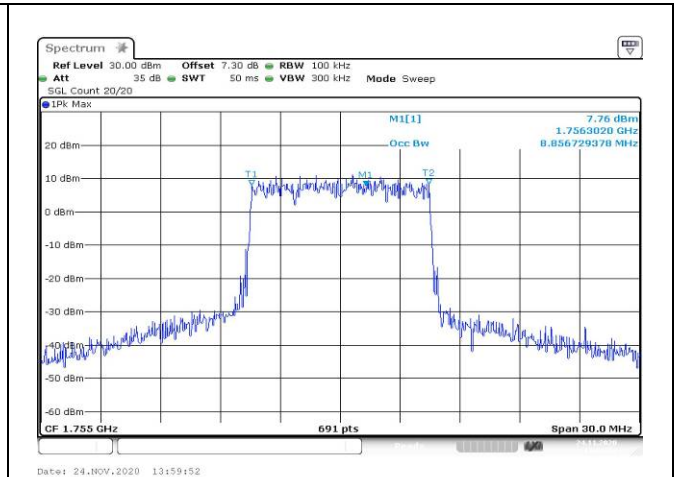
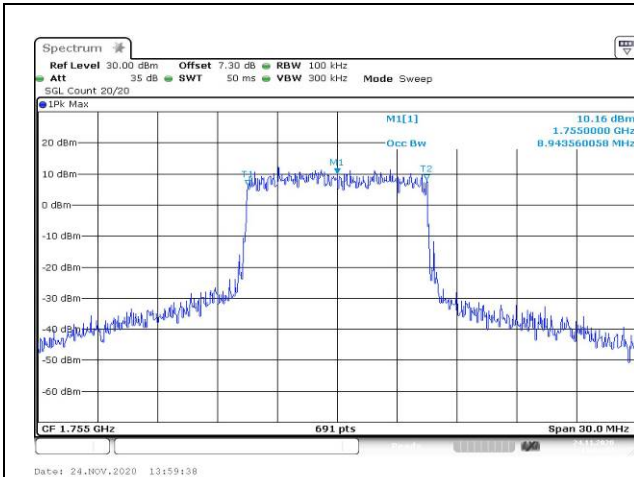


Fig.18







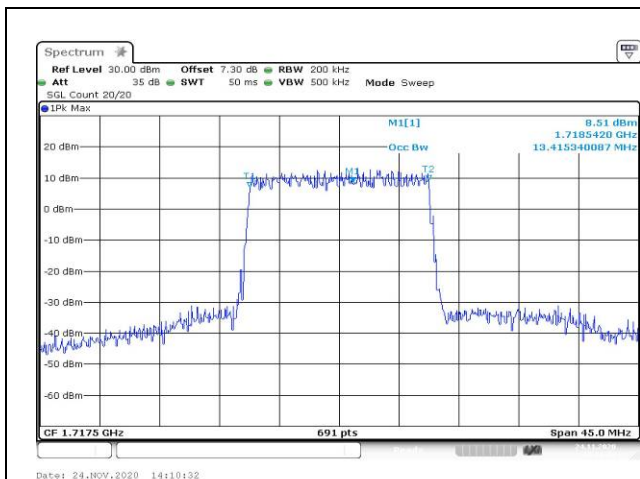


Fig.37

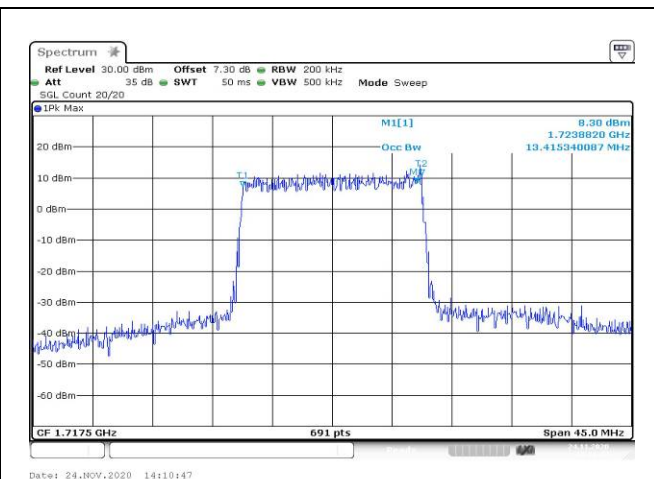


Fig.38

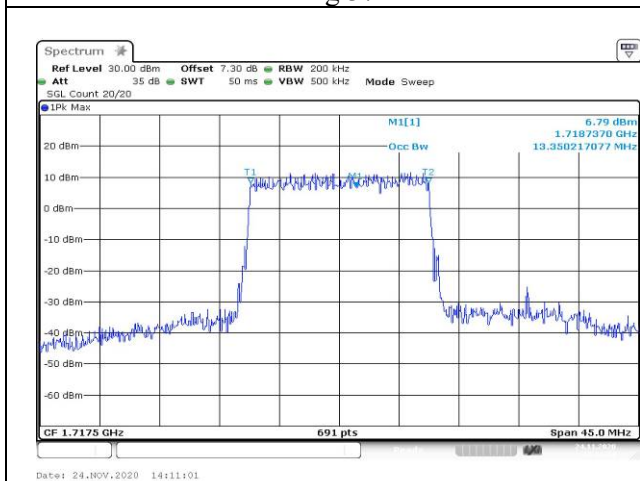


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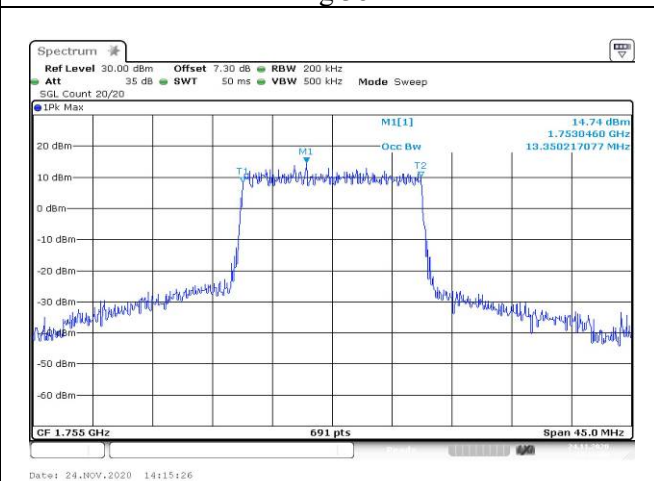


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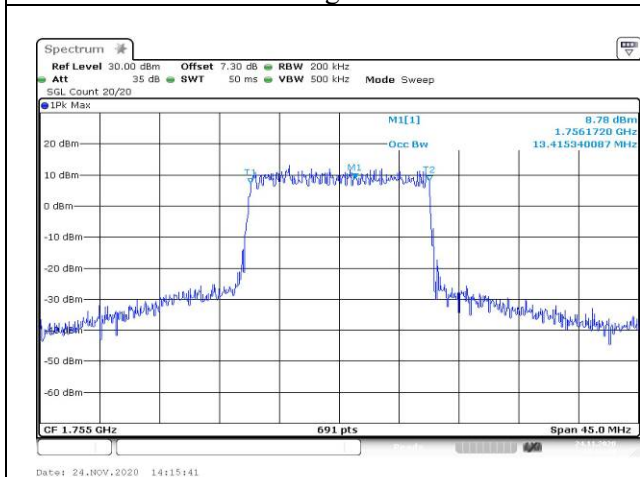


Fig.41

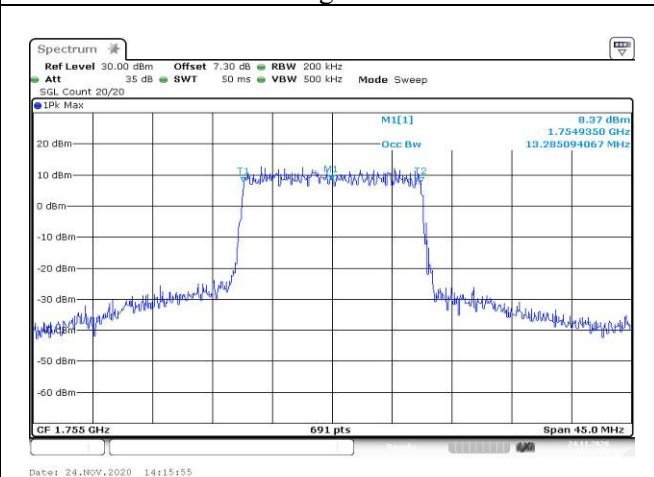
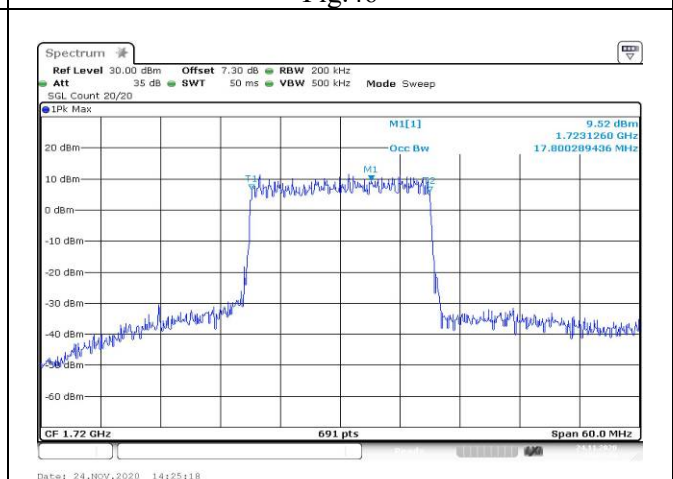
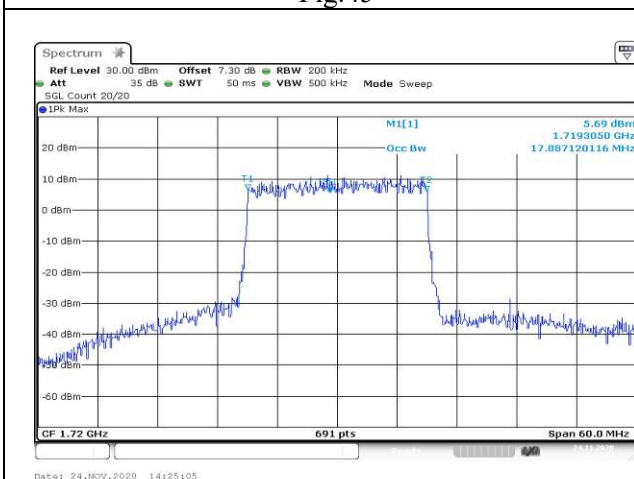
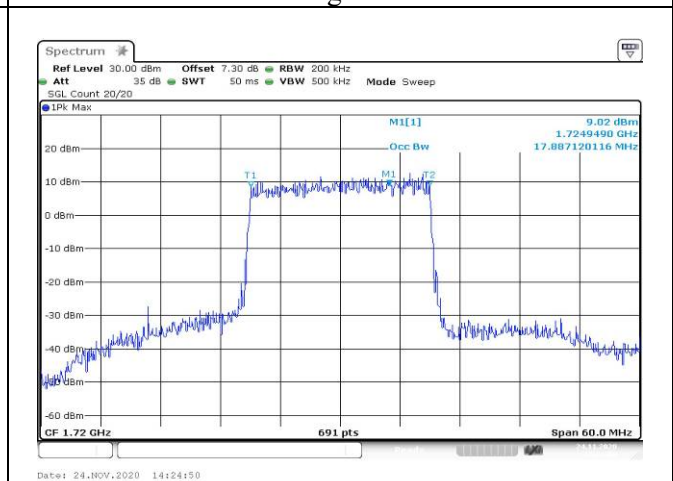
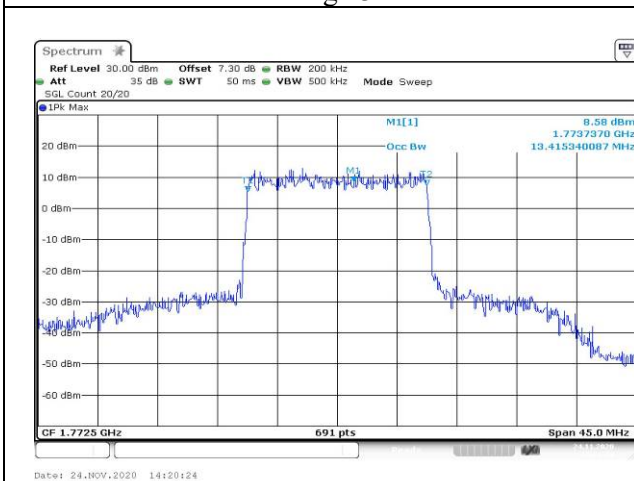
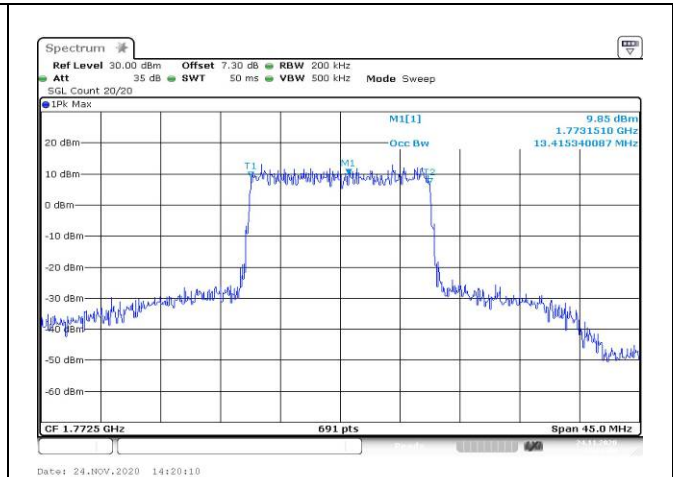
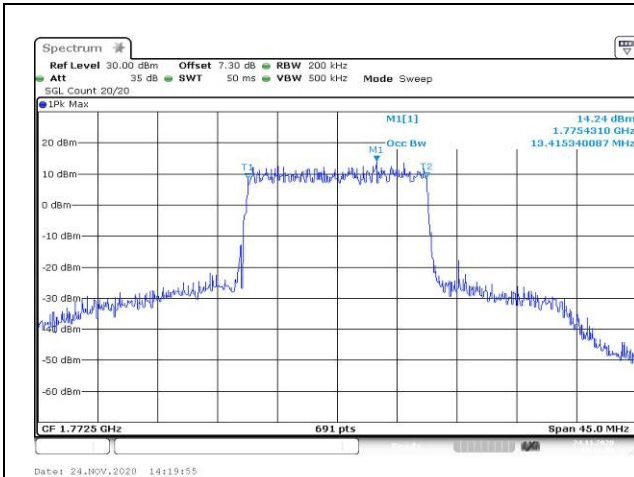


Fig.42



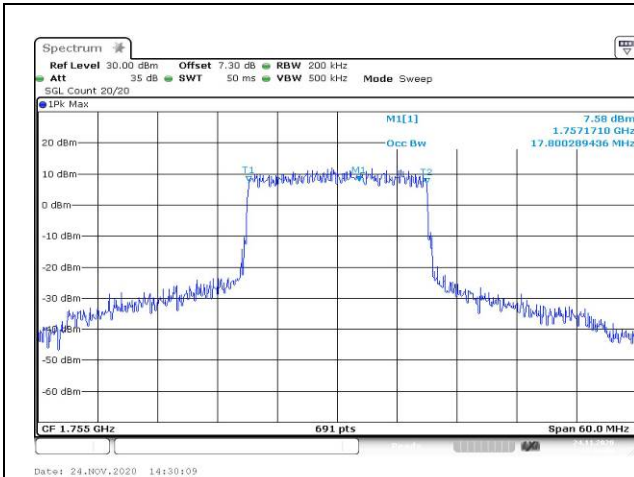


Fig.49

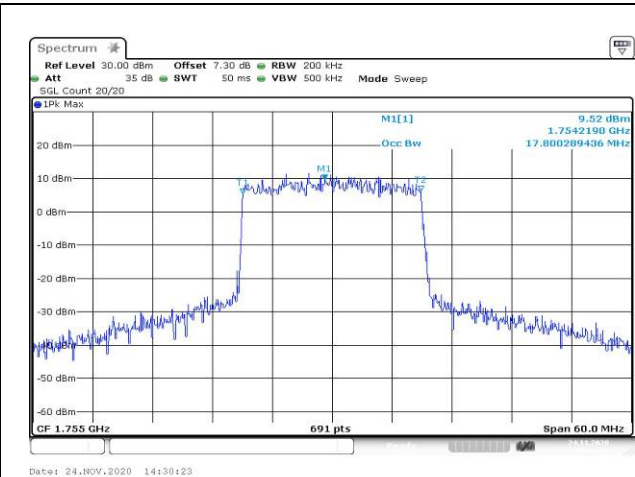


Fig.50

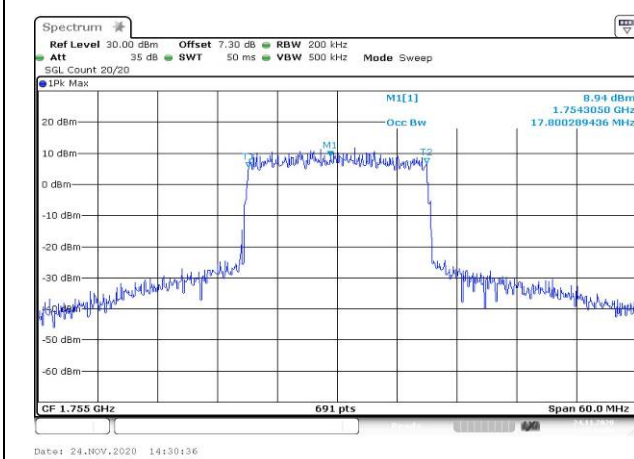


Fig.51

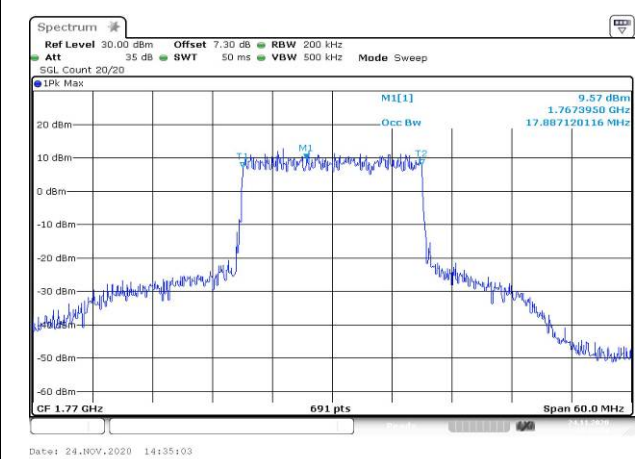


Fig.52

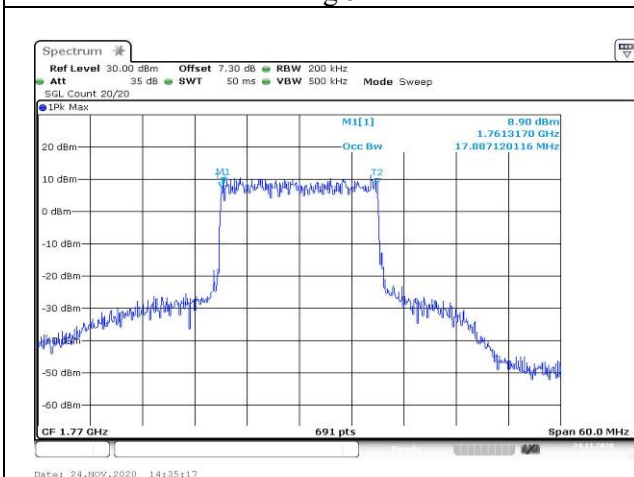


Fig.53

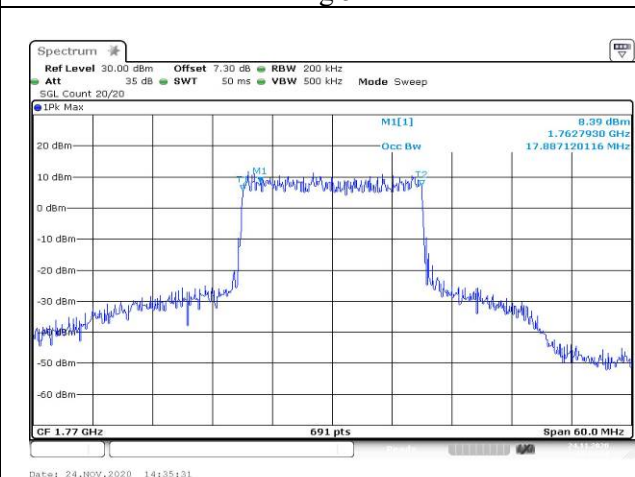


Fig.54

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	
66	1710.7	131979	1.4	6	0	1.210	Fig.1	1.216	Fig.2	1.216	Fig.3
	1755	132422		6	0	1.222	Fig.4	1.216	Fig.5	1.222	Fig.6
	1779.3	132665		6	0	1.216	Fig.7	1.204	Fig.8	1.204	Fig.9
	1711.5	131987	3	15	0	2.931	Fig.10	2.918	Fig.11	2.918	Fig.12
	1755	132422		15	0	2.918	Fig.13	2.931	Fig.14	2.944	Fig.15
	1778.5	132657		15	0	2.918	Fig.16	2.944	Fig.17	2.918	Fig.18
	1712.5	131997	5	25	0	4.863	Fig.19	4.841	Fig.20	4.884	Fig.21
	1755	132422		25	0	4.841	Fig.22	4.884	Fig.23	4.906	Fig.24
	1777.5	132647		25	0	4.819	Fig.25	4.863	Fig.26	4.863	Fig.27
	1715	132022	10	50	0	9.595	Fig.28	9.638	Fig.29	9.551	Fig.30
	1755	132422		50	0	9.551	Fig.31	9.595	Fig.32	9.551	Fig.33
	1775	132622		50	0	9.595	Fig.34	9.551	Fig.35	9.638	Fig.36
	1717.5	132047	15	75	0	14.522	Fig.37	14.522	Fig.38	14.392	Fig.39
	1755	132422		75	0	14.653	Fig.40	14.457	Fig.41	14.522	Fig.42
	1772.5	132597		75	0	14.522	Fig.43	14.588	Fig.44	14.392	Fig.45
	1720	132072	20	100	0	19.190	Fig.46	19.016	Fig.47	19.016	Fig.48
	1755	132422		100	0	19.103	Fig.49	19.103	Fig.50	18.929	Fig.51
	1770	132572		100	0	19.276	Fig.52	19.103	Fig.53	19.016	Fig.54

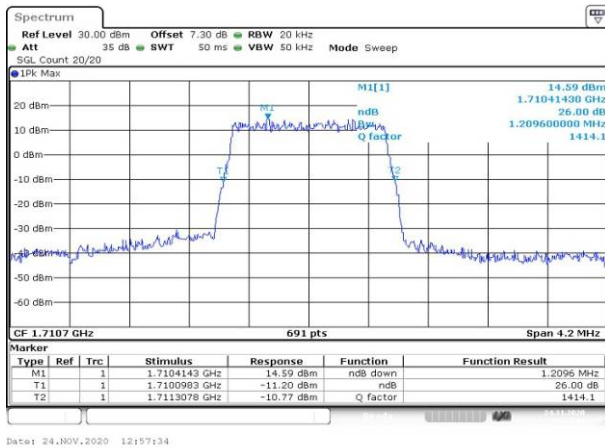


Fig.1

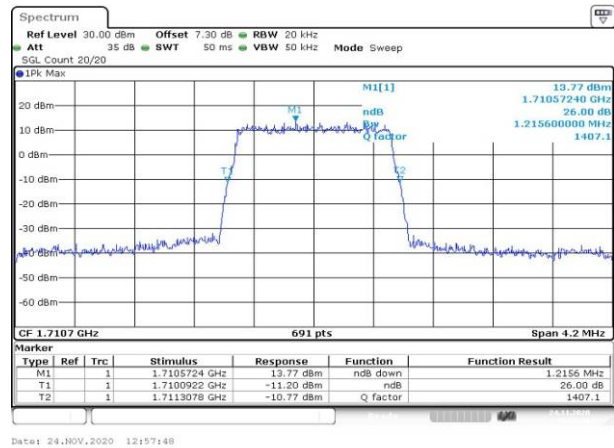


Fig.2

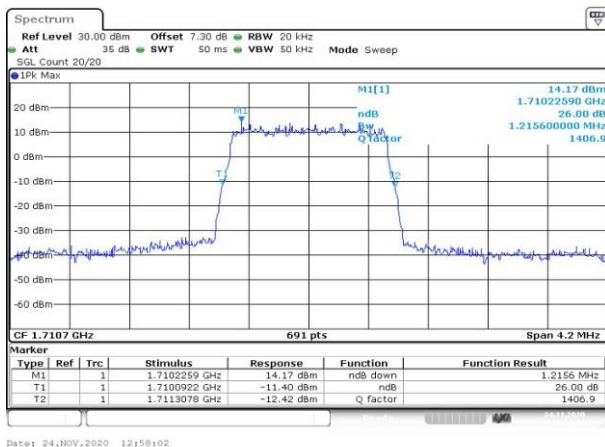


Fig.3

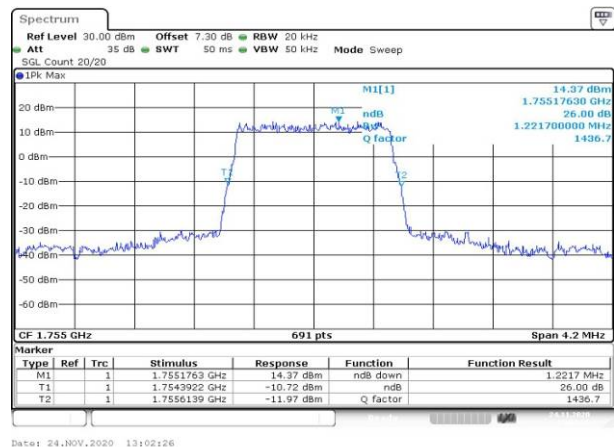


Fig.4

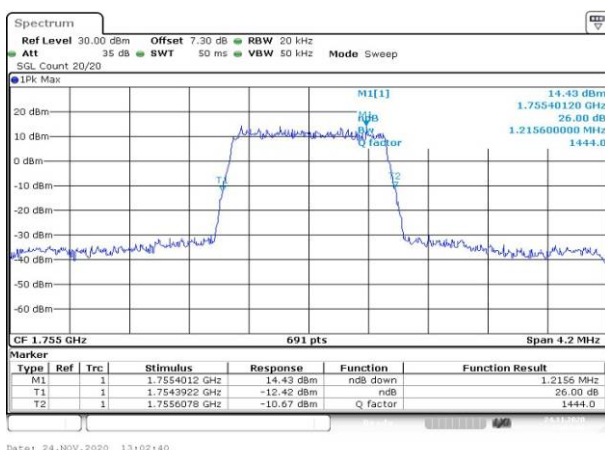


Fig.5

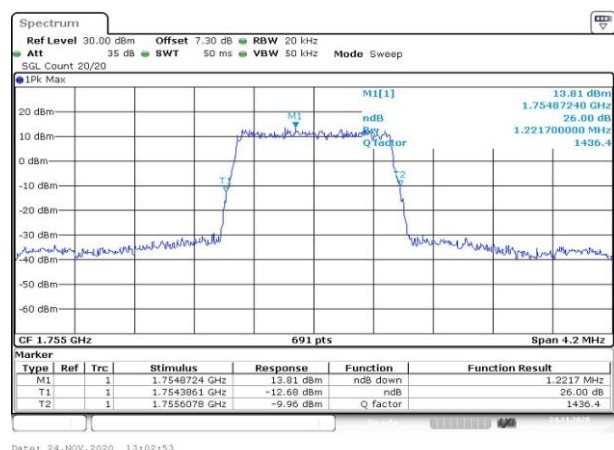


Fig.6

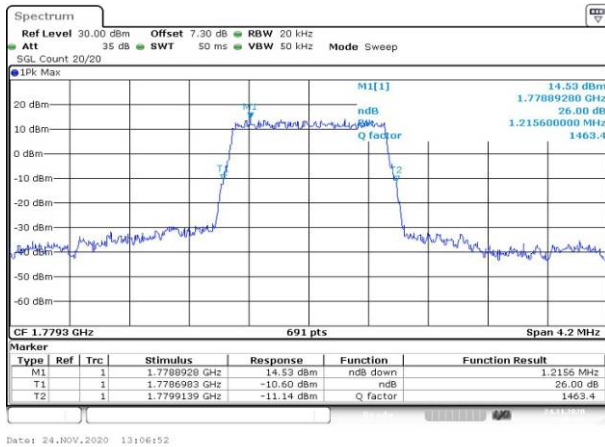


Fig.7

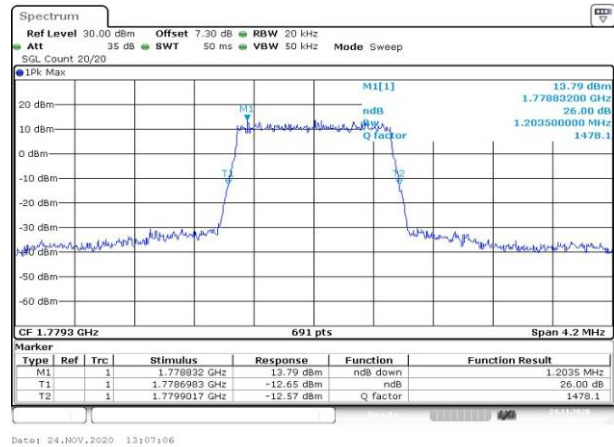


Fig.8

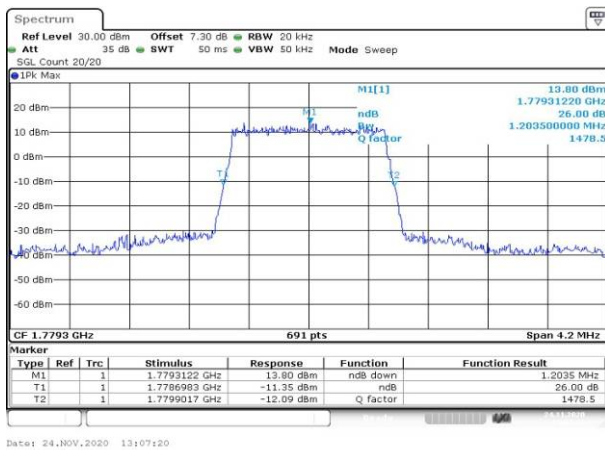


Fig.9

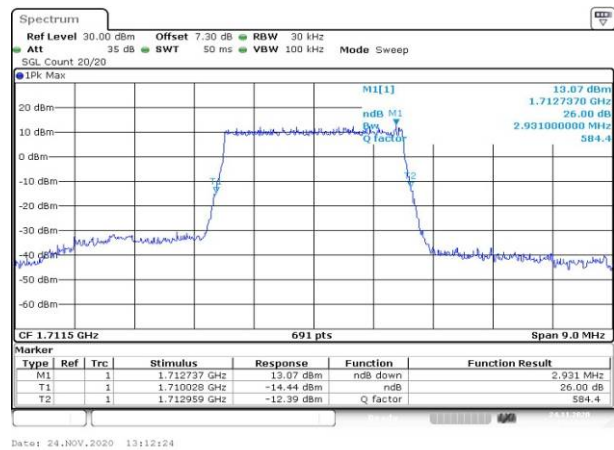


Fig.10

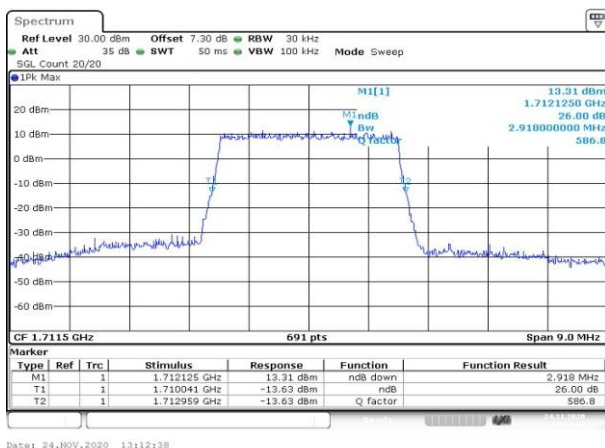


Fig.11

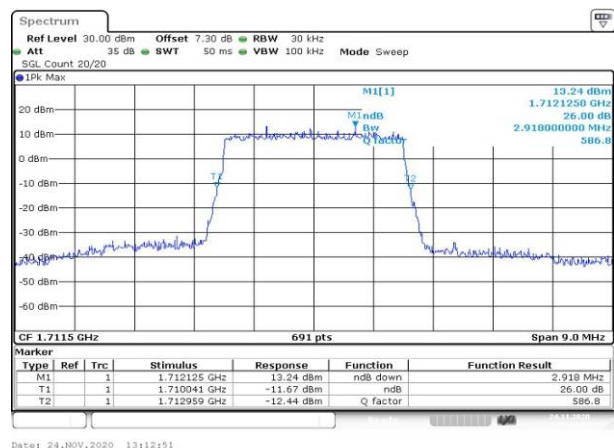


Fig.12

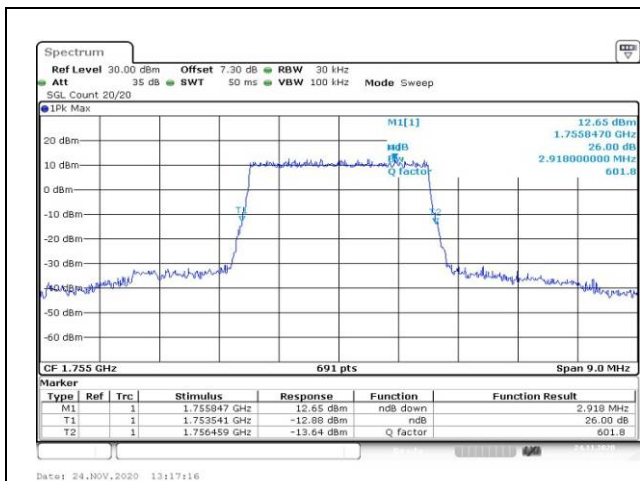


Fig.13

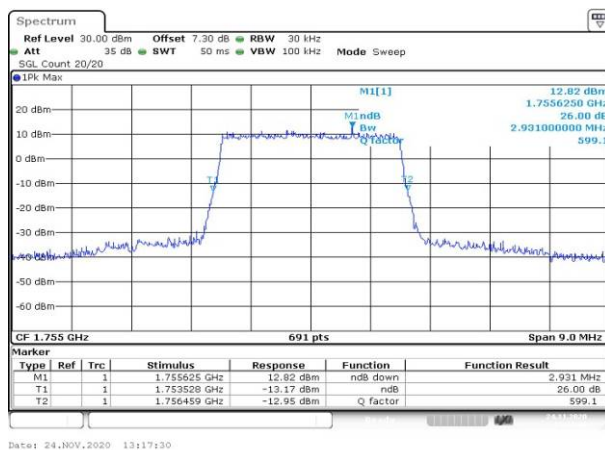


Fig.14

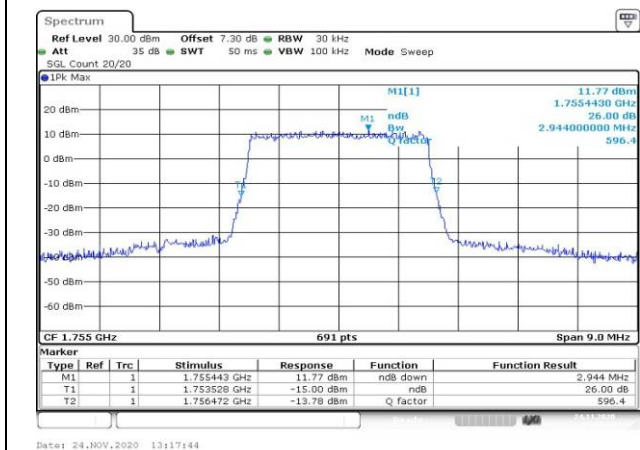


Fig.15

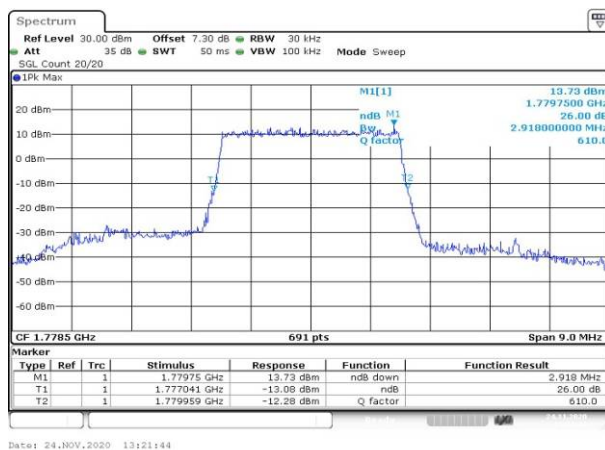


Fig.16

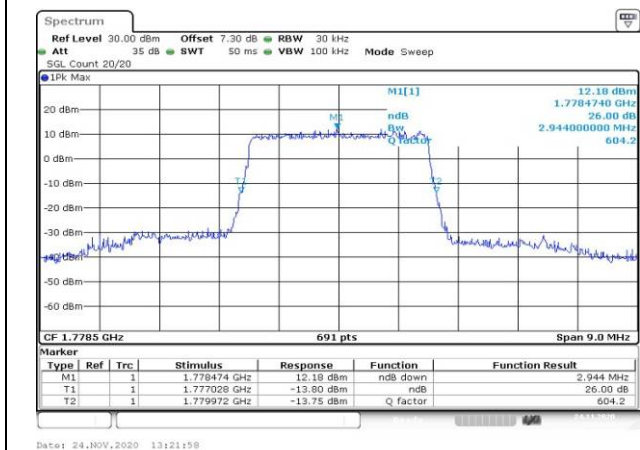


Fig.17



Fig.18

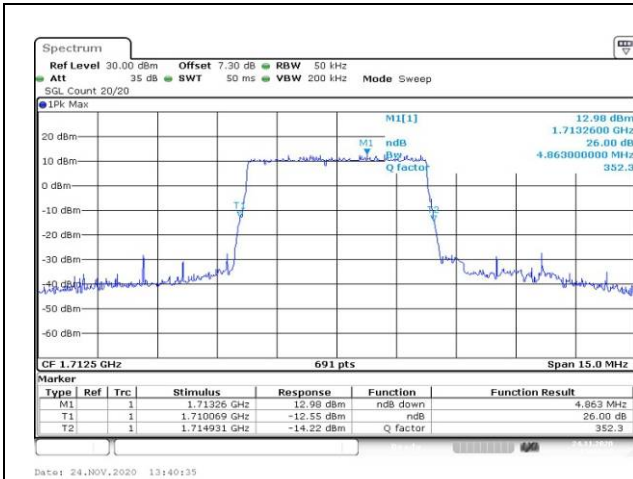


Fig.19

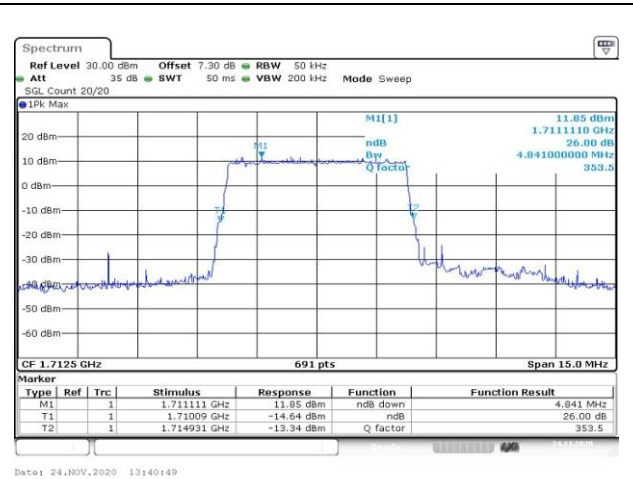


Fig.20

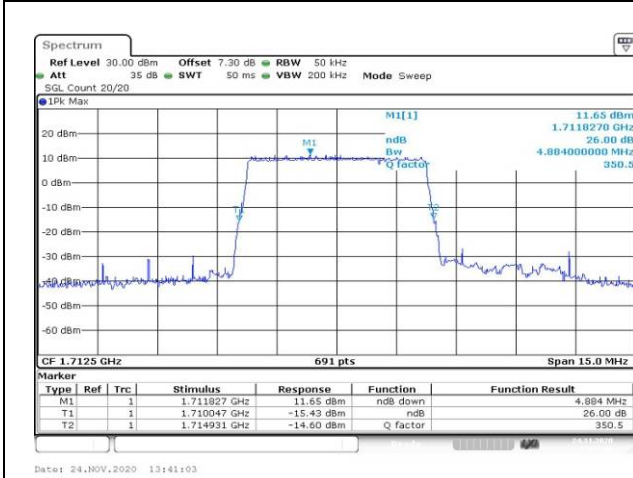


Fig.21

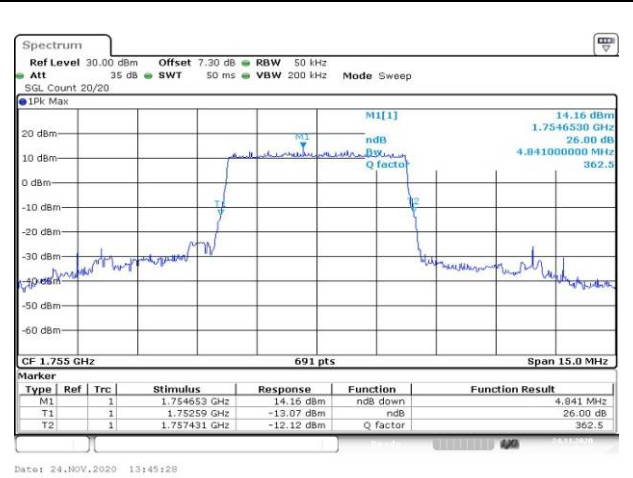


Fig.22

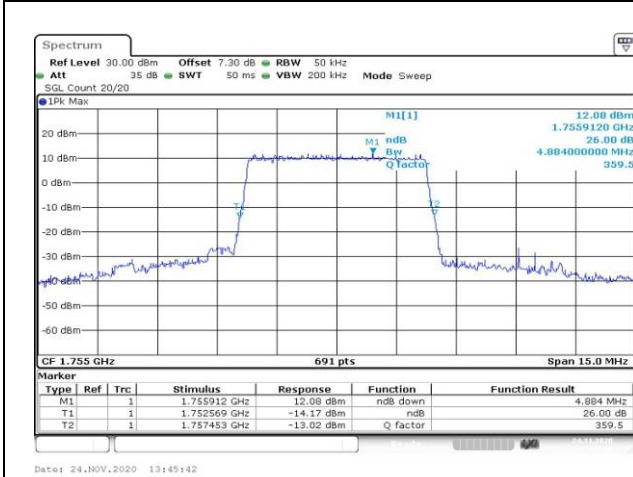


Fig.23

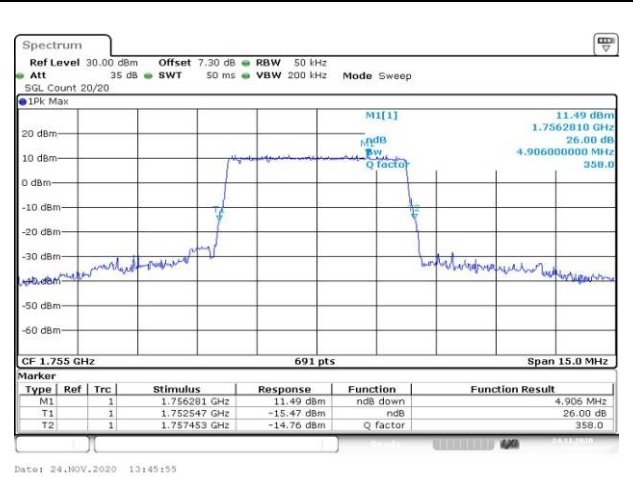


Fig.24

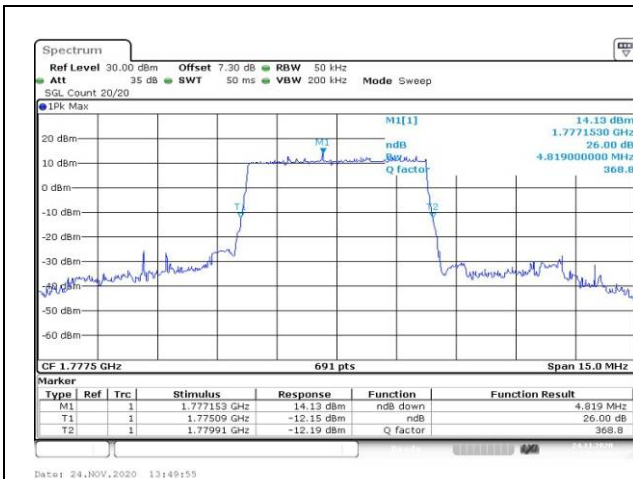


Fig.25

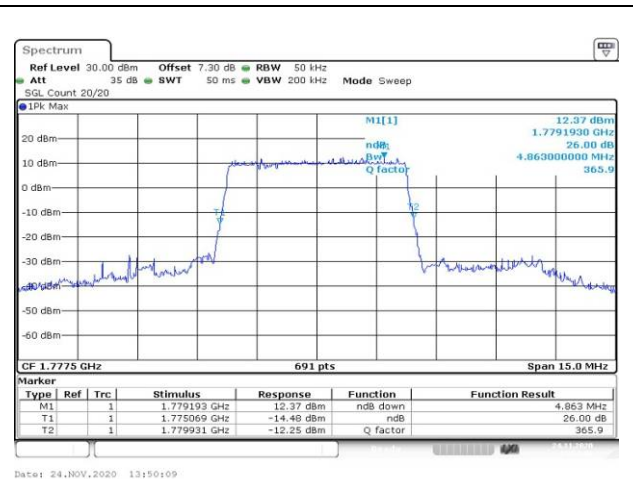


Fig.26



Fig.27

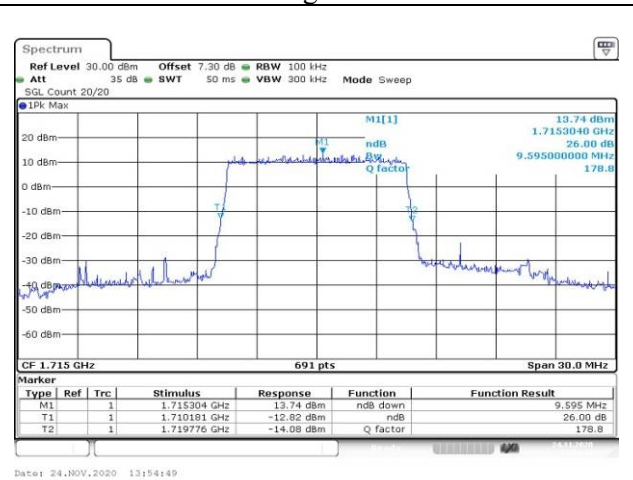


Fig.28



Fig.29

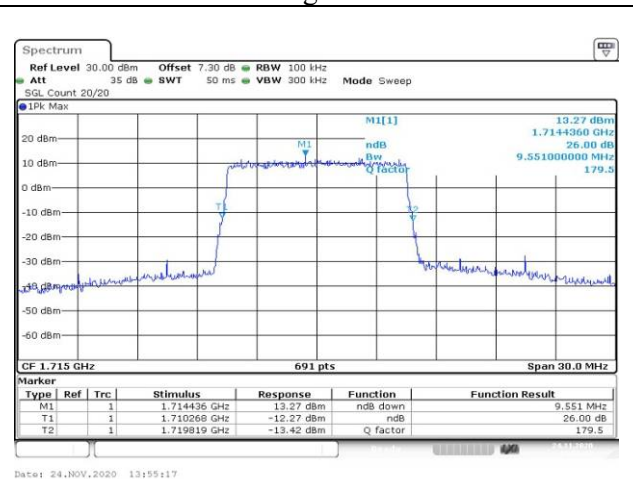


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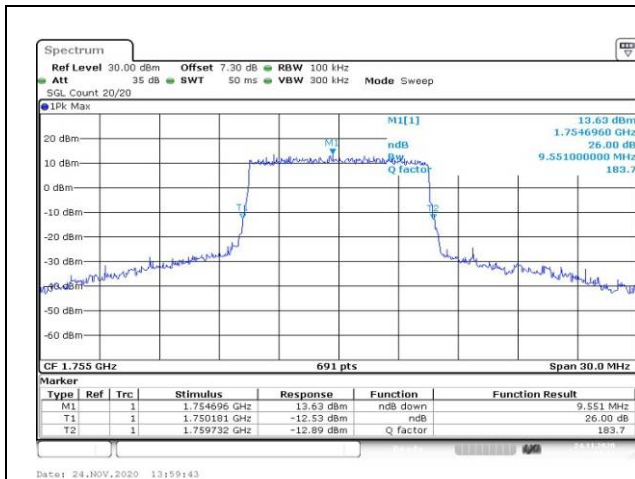


Fig.31

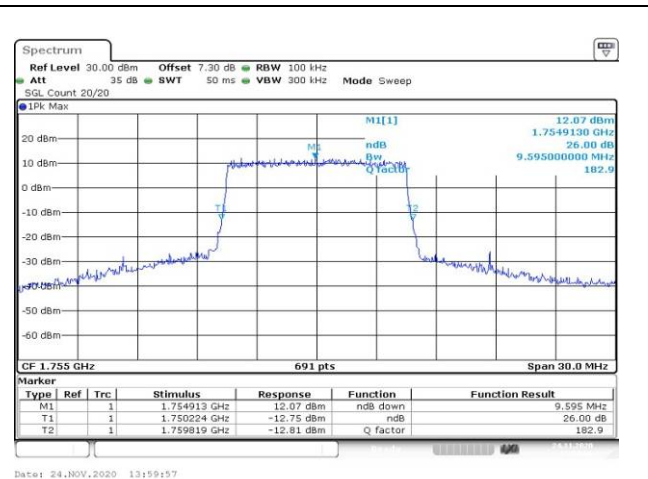


Fig.32

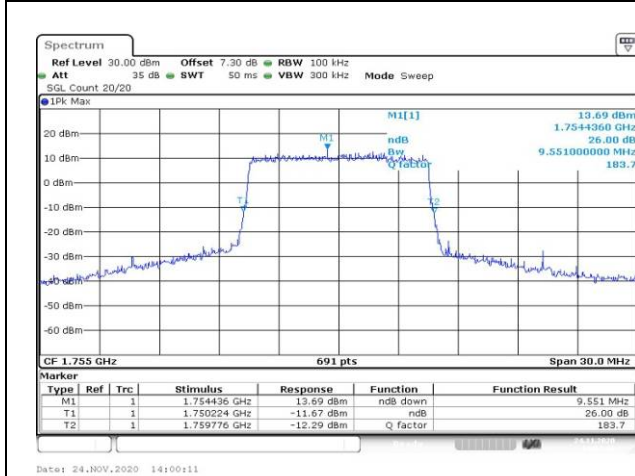


Fig.33

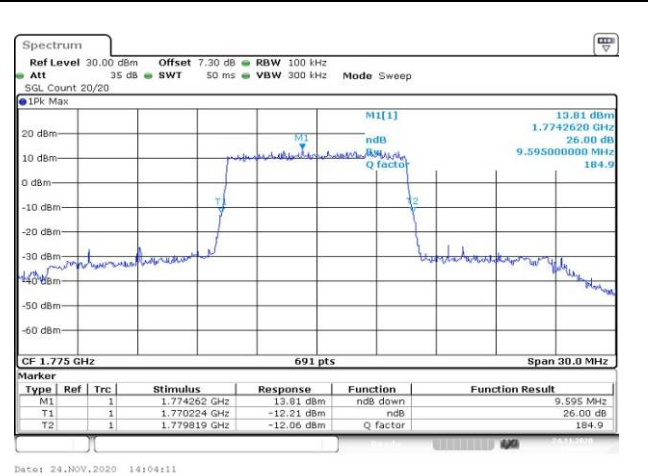


Fig.34

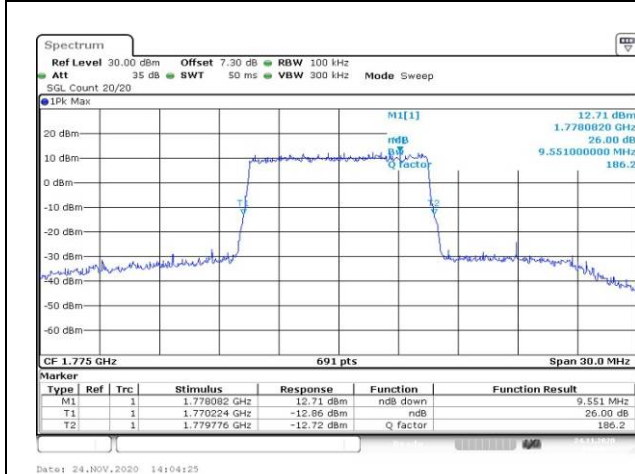


Fig.35

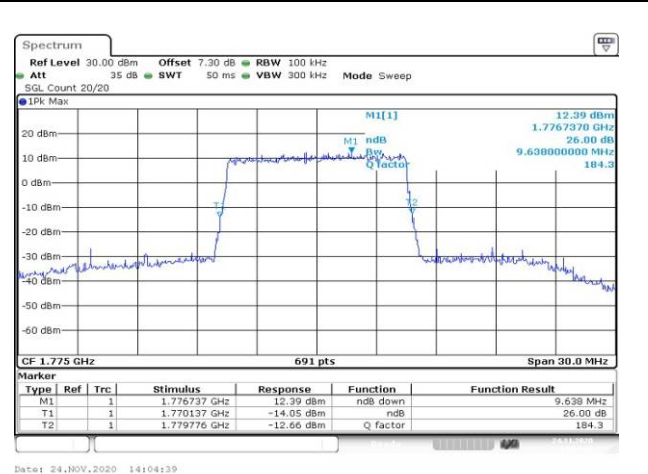


Fig.36

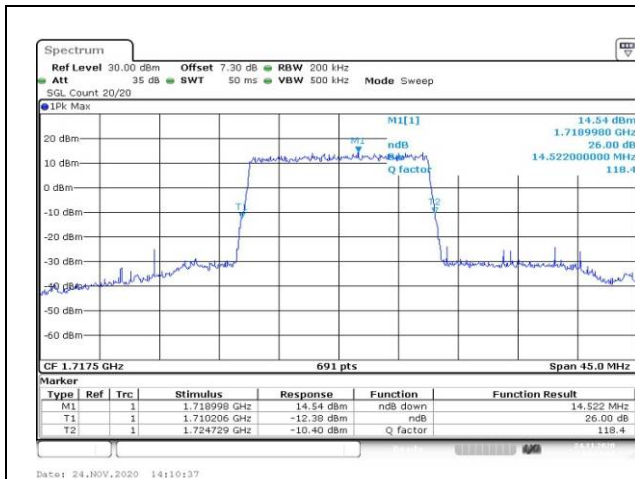


Fig.37

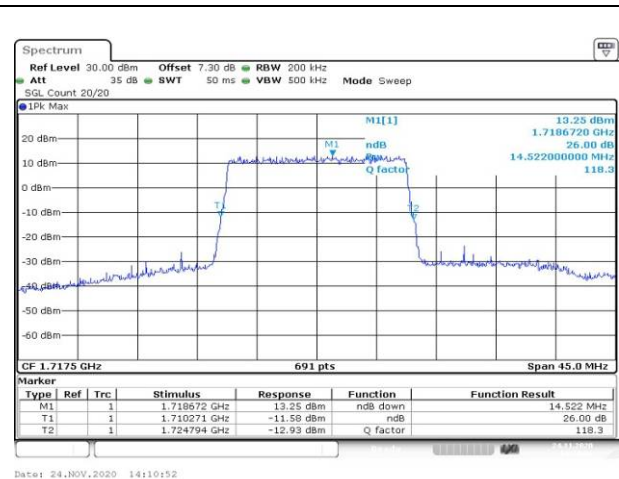


Fig.38

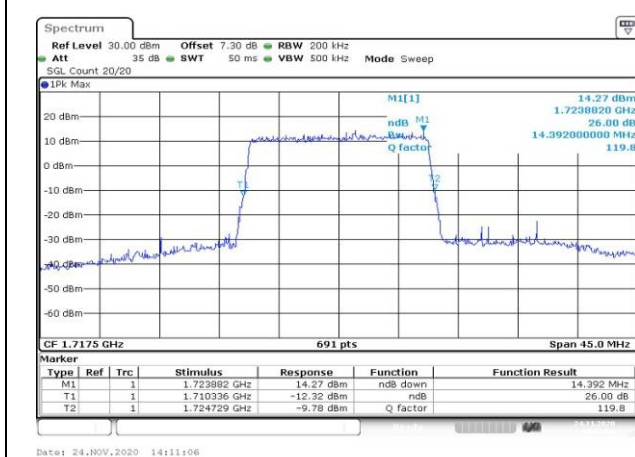


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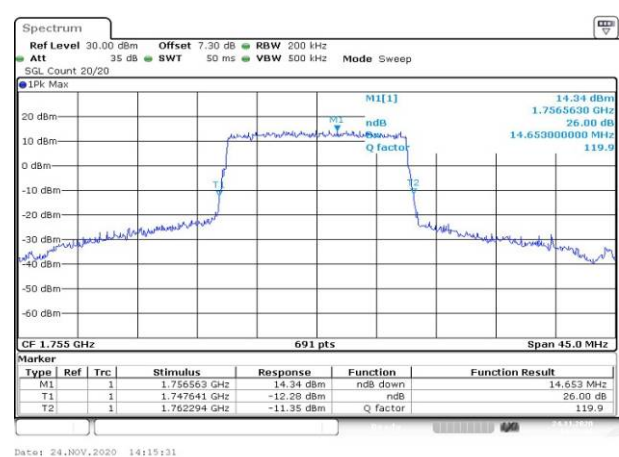


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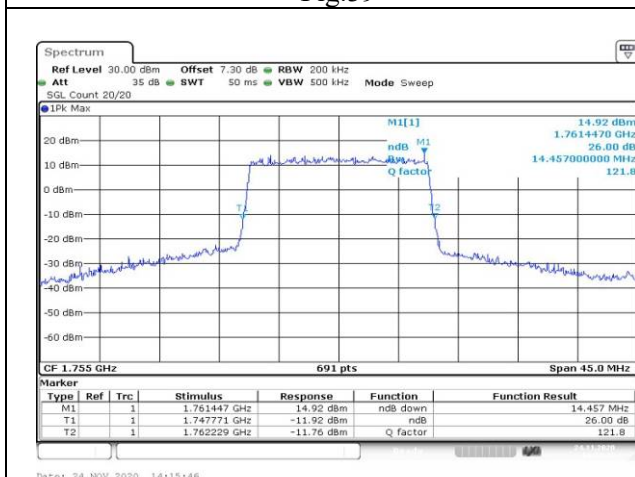


Fig.41



Fig.42

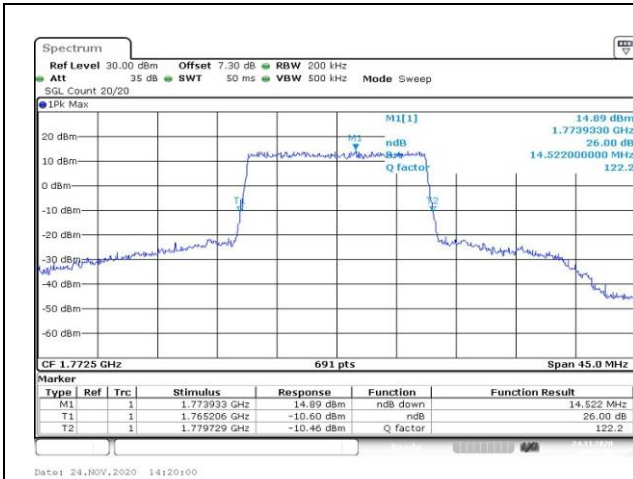


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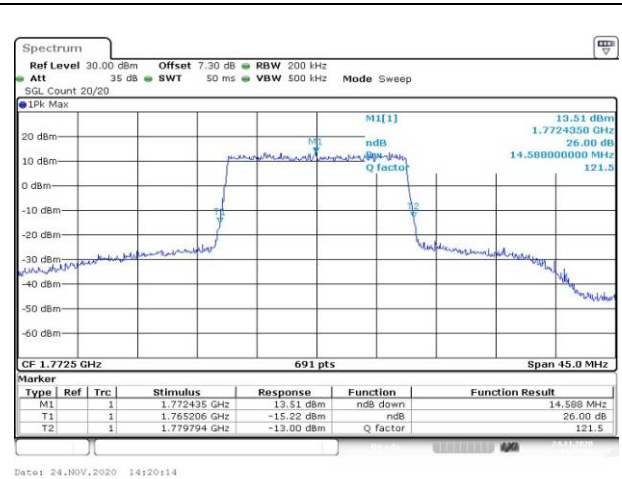


Fig.44

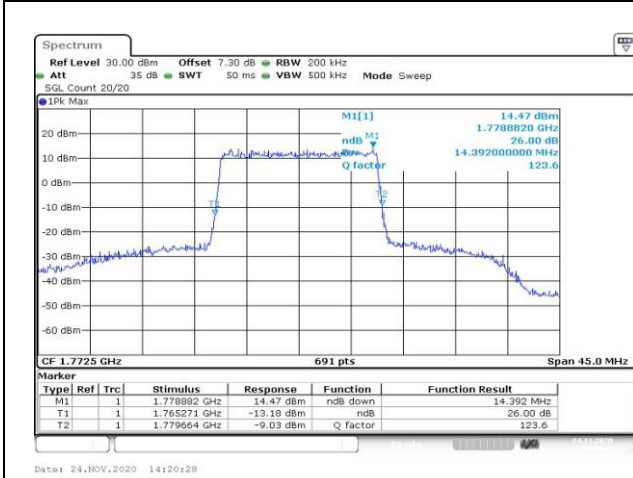


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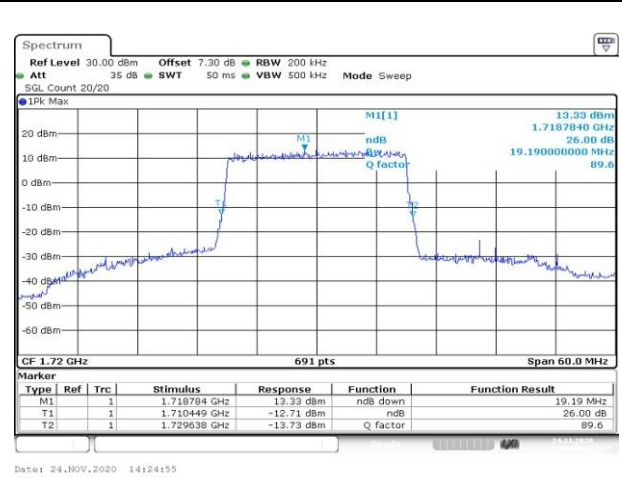


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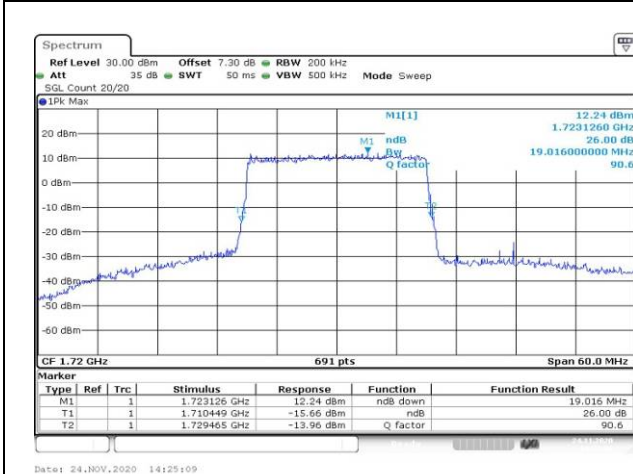


Fig.47

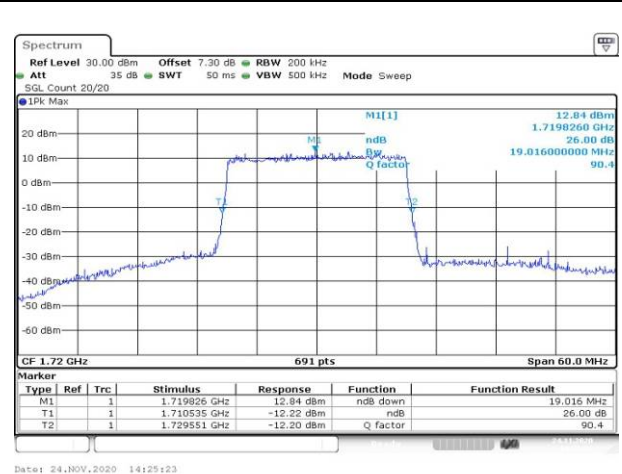


Fig.48

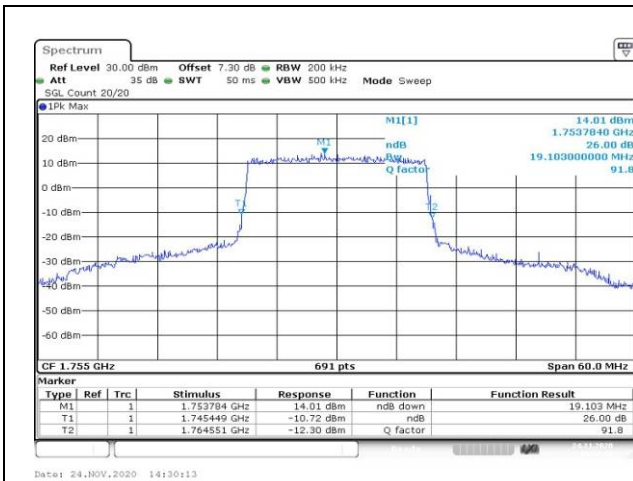


Fig.49

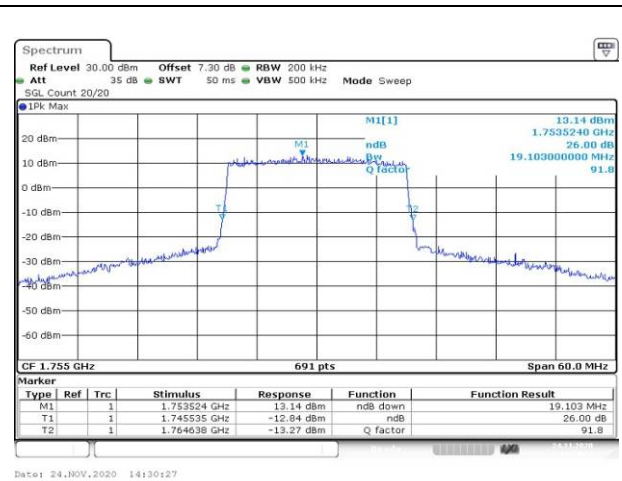


Fig.50

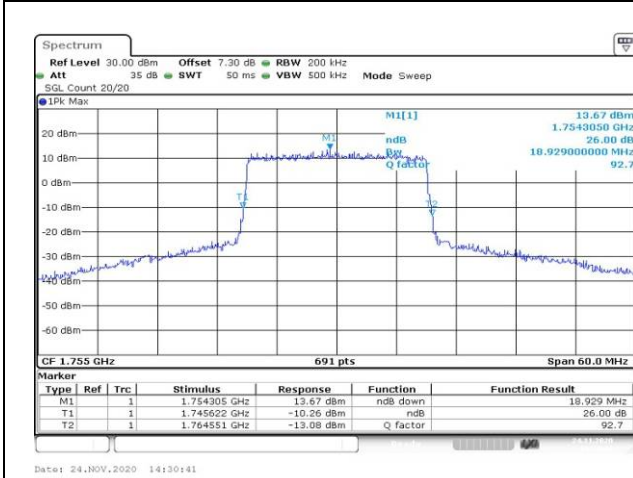


Fig.51

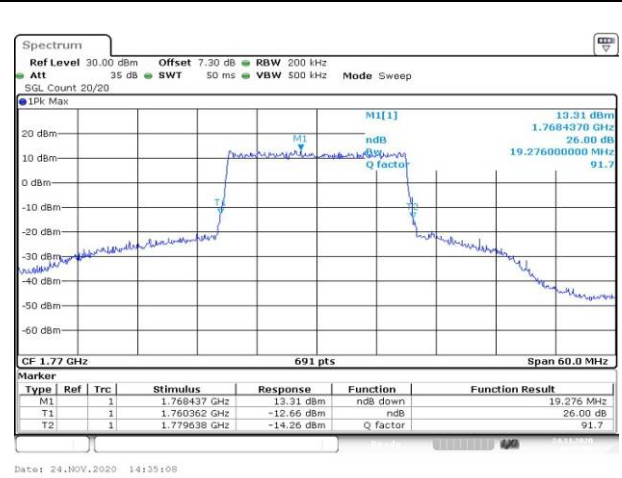


Fig.52



Fig.53



Fig.54

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
66	1710.7	131979	1.4	1	5	Fig.1	Fig.2	Fig.3
	1710.7	131979		6	0	Fig.4	Fig.5	Fig.6
	1755	132422		1	5	Fig.7	Fig.8	Fig.9
	1755	132422		6	0	Fig.10	Fig.11	Fig.12
	1779.3	132665		1	5	Fig.13	Fig.14	Fig.15
	1779.3	132665		6	0	Fig.16	Fig.17	Fig.18
	1711.5	131987	3	1	14	Fig.19	Fig.20	Fig.21
	1711.5	131987		15	0	Fig.22	Fig.23	Fig.24
	1755	132422		1	14	Fig.25	Fig.26	Fig.27
	1755	132422		15	0	Fig.28	Fig.29	Fig.30
	1778.5	132657		1	14	Fig.31	Fig.32	Fig.33
	1778.5	132657		15	0	Fig.34	Fig.35	Fig.36
	1712.5	131997	5	1	24	Fig.37	Fig.38	Fig.39
	1712.5	131997		25	0	Fig.40	Fig.41	Fig.42
	1755	132422		1	24	Fig.43	Fig.44	Fig.45
	1755	132422		25	0	Fig.46	Fig.47	Fig.48
	1777.5	132647		1	24	Fig.49	Fig.50	Fig.51
	1777.5	132647		25	0	Fig.52	Fig.53	Fig.54
	1715	132022	10	1	49	Fig.55	Fig.56	Fig.57
	1715	132022		50	0	Fig.58	Fig.59	Fig.60
	1755	132422		1	49	Fig.61	Fig.62	Fig.63
	1755	132422		50	0	Fig.64	Fig.65	Fig.66
	1775	132622		1	49	Fig.67	Fig.68	Fig.69
	1775	132622		50	0	Fig.70	Fig.71	Fig.72
	1717.5	132047	15	1	74	Fig.73	Fig.74	Fig.75
	1717.5	132047		75	0	Fig.76	Fig.77	Fig.78
	1755	132422		1	74	Fig.79	Fig.80	Fig.81
	1755	132422		75	0	Fig.82	Fig.83	Fig.84
	1772.5	132597		1	74	Fig.85	Fig.86	Fig.87
	1772.5	132597		75	0	Fig.88	Fig.89	Fig.90
	1720	132072	20	1	99	Fig.91	Fig.92	Fig.93
	1720	132072		100	0	Fig.94	Fig.95	Fig.96
	1755	132422		1	99	Fig.97	Fig.98	Fig.99
	1755	132422		100	0	Fig.100	Fig.101	Fig.102
	1770	132572		1	99	Fig.103	Fig.104	Fig.105
	1770	132572		100	0	Fig.106	Fig.107	Fig.108

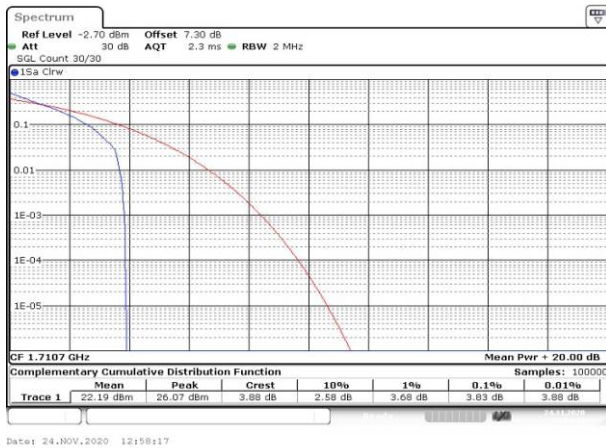


Fig.1

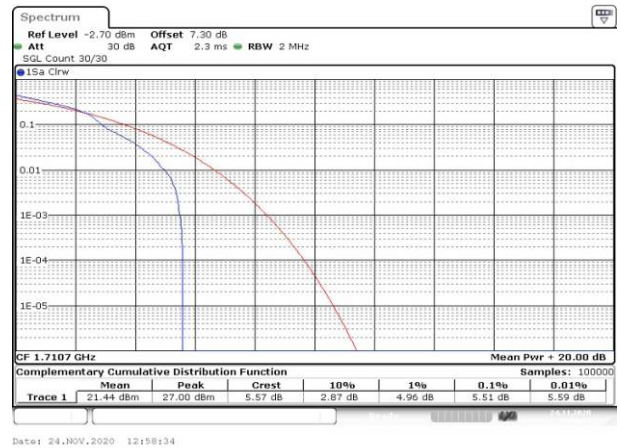


Fig.2

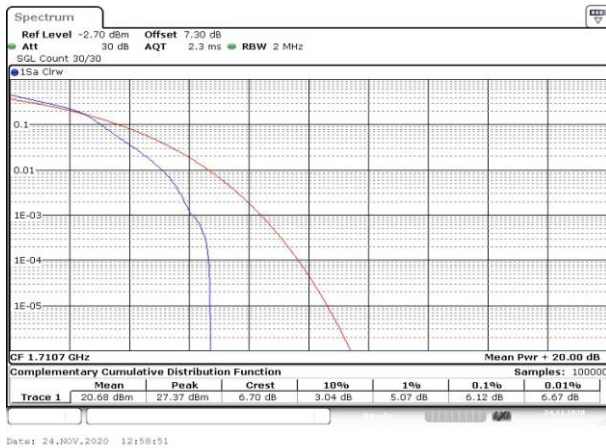


Fig.3

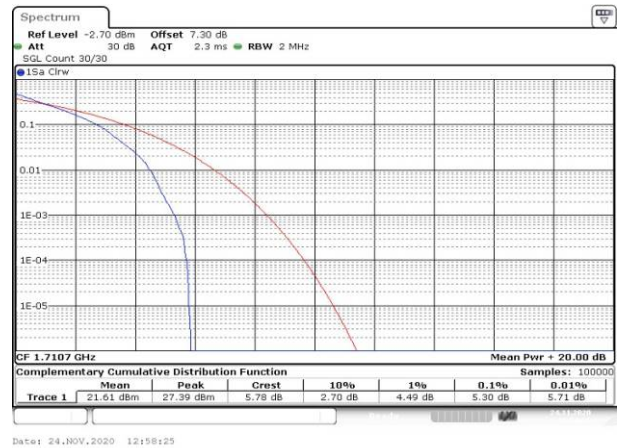


Fig.4

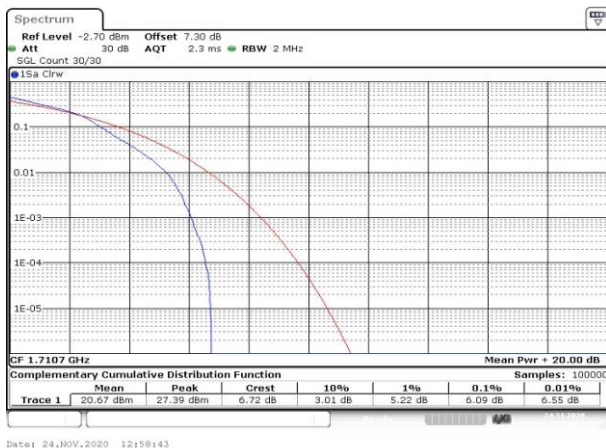


Fig.5

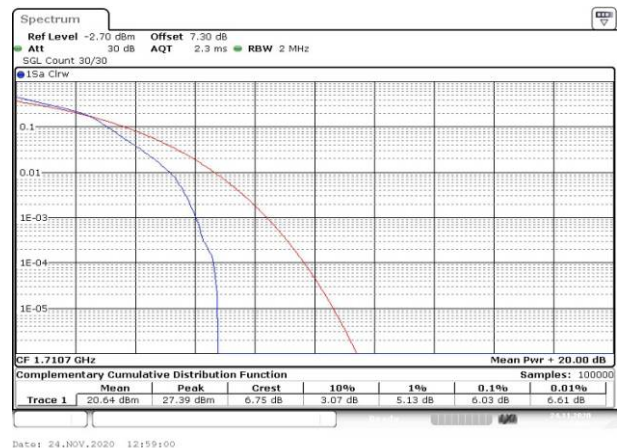


Fig.6