

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
	6	0		20.68		
	1755	132422		1	0	20.93
				1	3	20.94
				1	5	20.89
				3	0	20.93
				3	1	20.89
				3	3	20.94
	6	0		20.93		
	1779.3	132665		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
				75	0	20.75
	1755	132422		1	0	21.11
				1	37	21.08
				1	74	21.05
				36	0	21.05
				36	29	21.04
				36	30	21.04
				75	0	21.04
	1772.5	132597		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

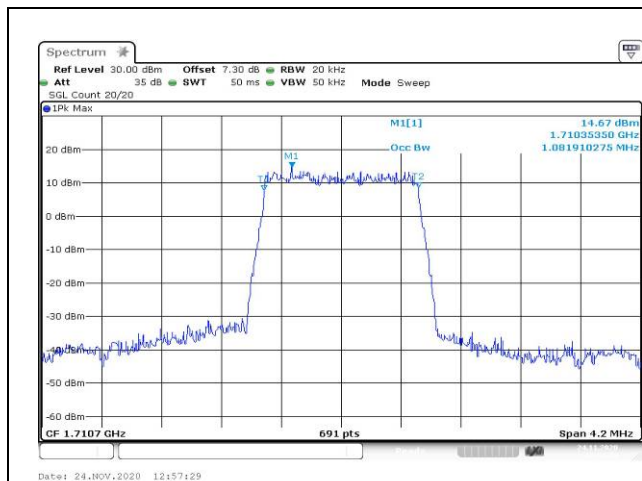


Fig.1

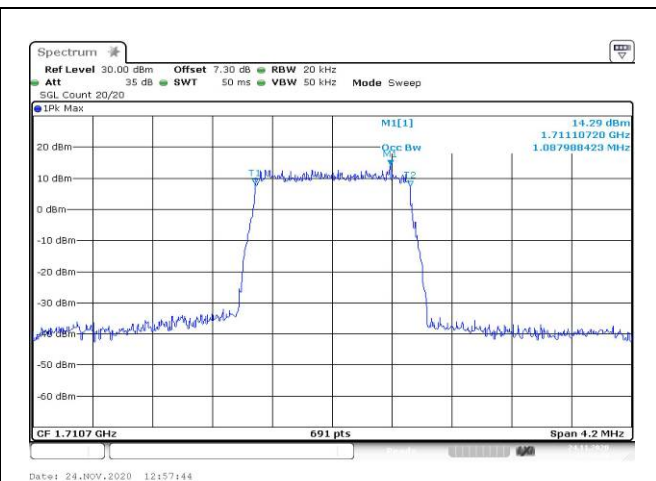


Fig.2

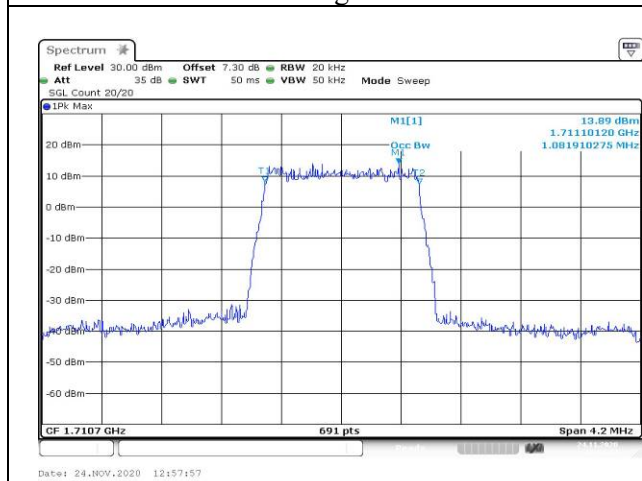


Fig.3

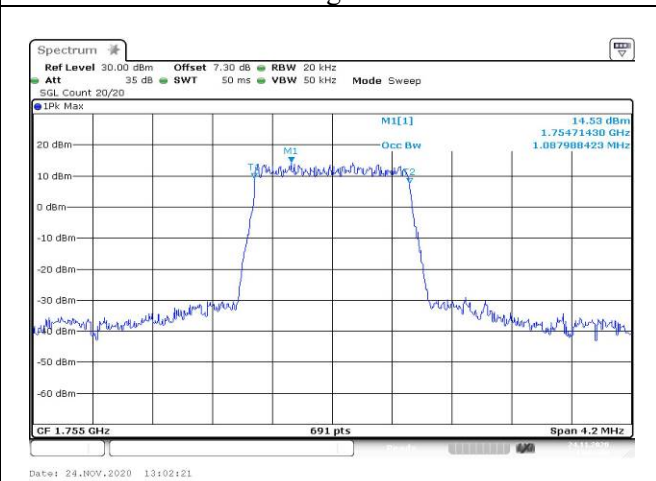


Fig.4

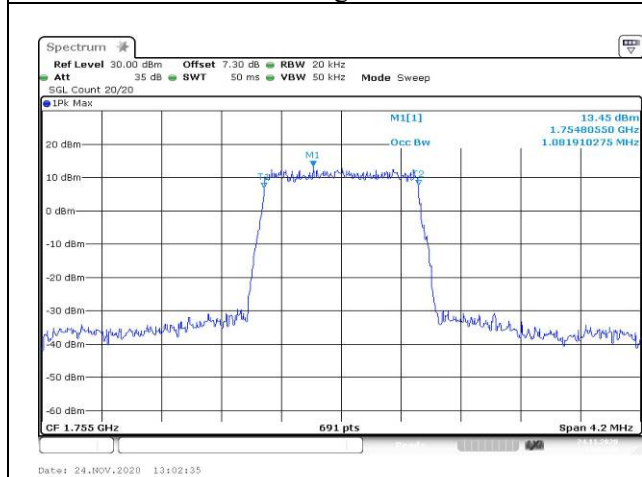


Fig.5

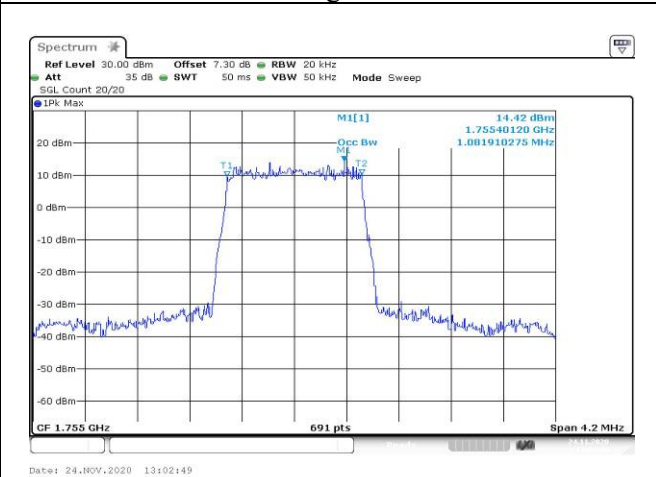
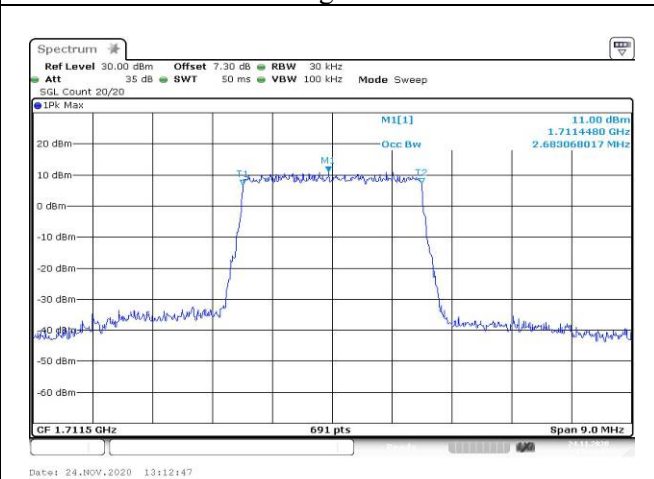
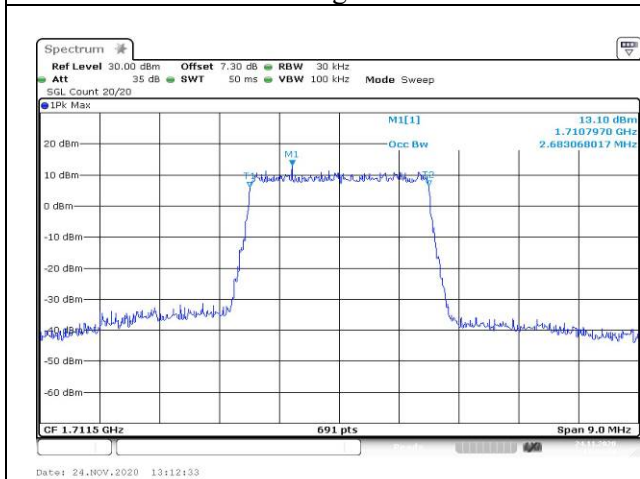
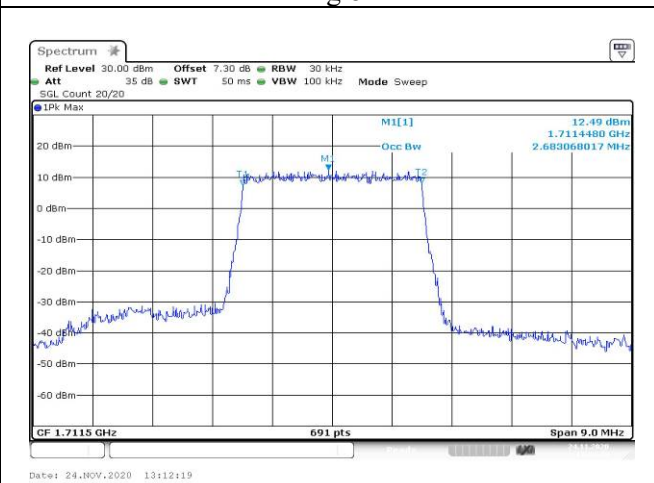
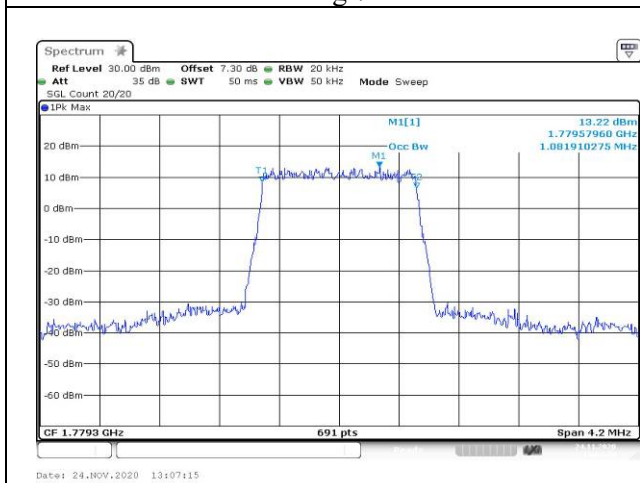
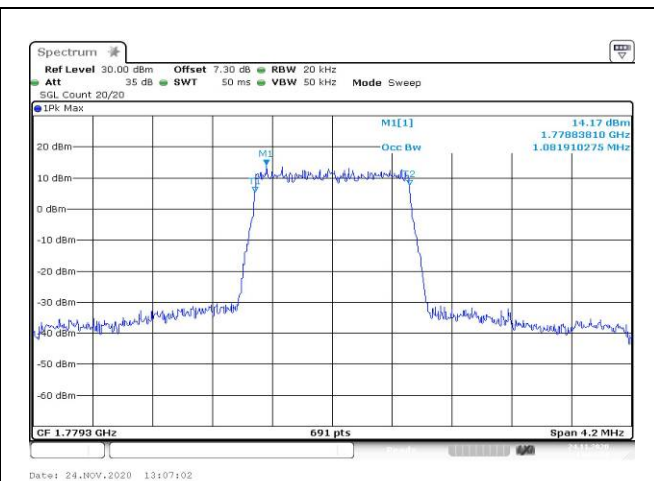
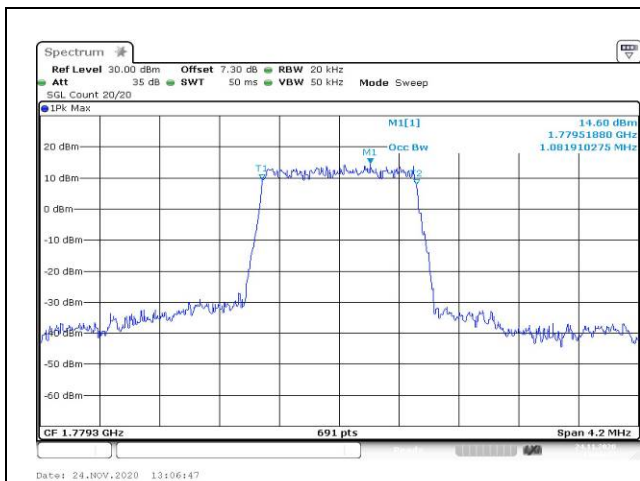


Fig.6



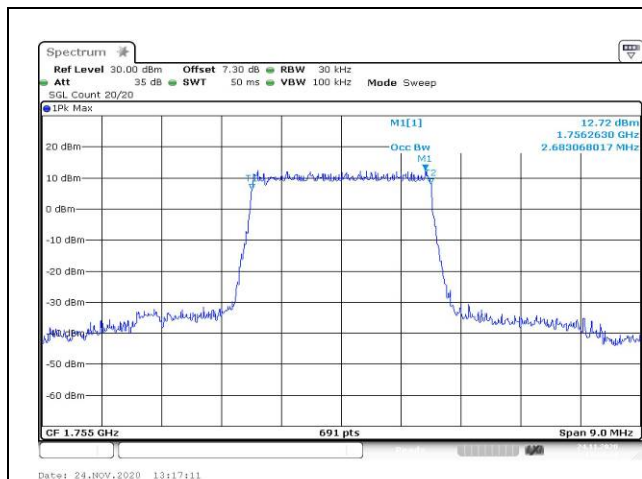


Fig.13

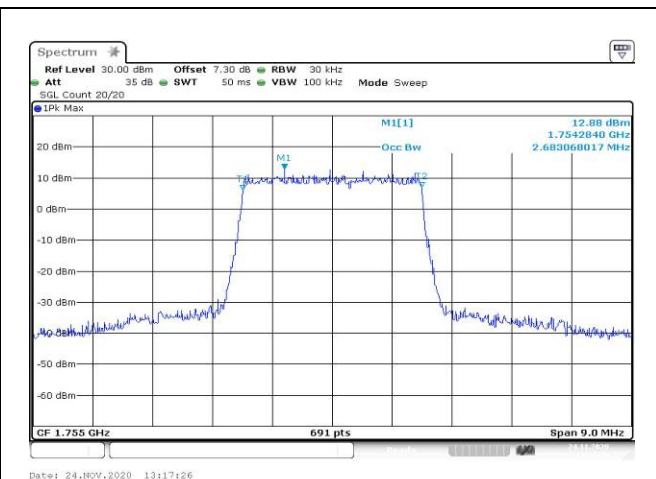


Fig.14

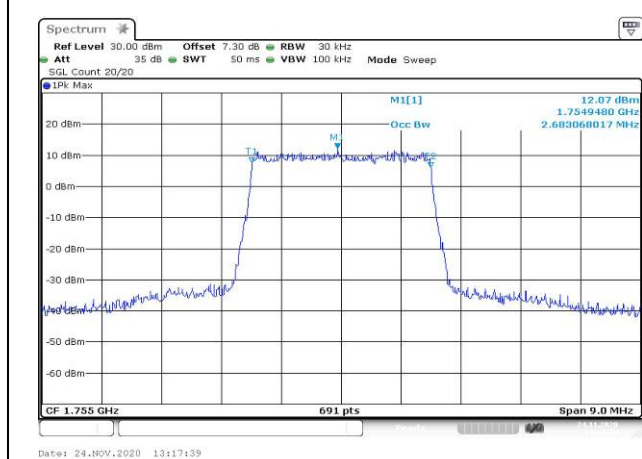


Fig.15

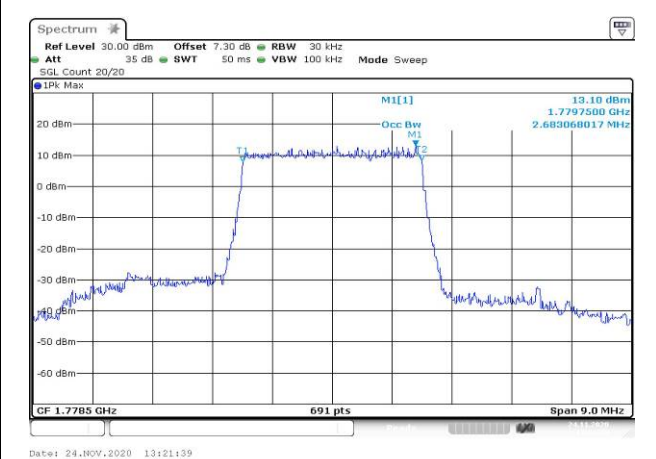


Fig.16

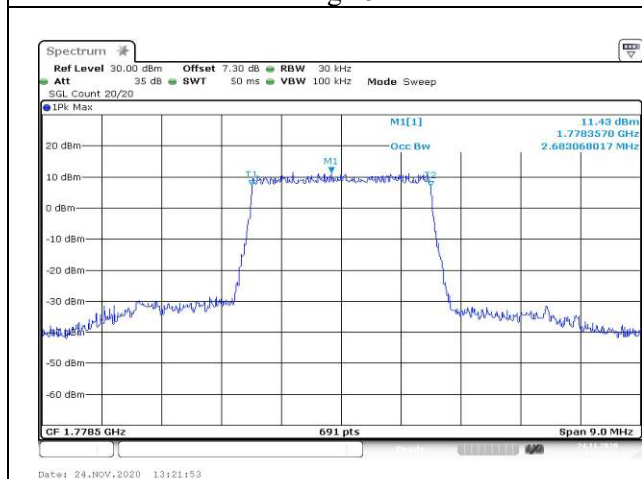


Fig.17

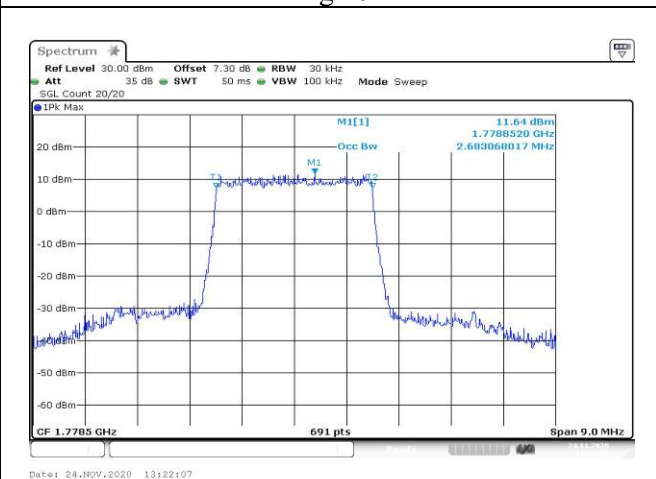


Fig.18

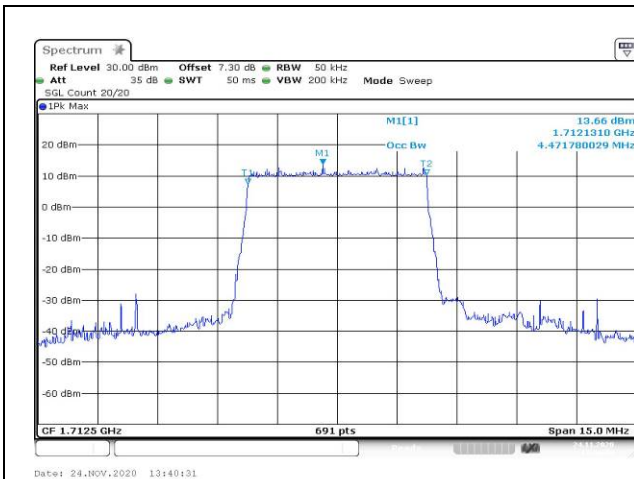


Fig.19

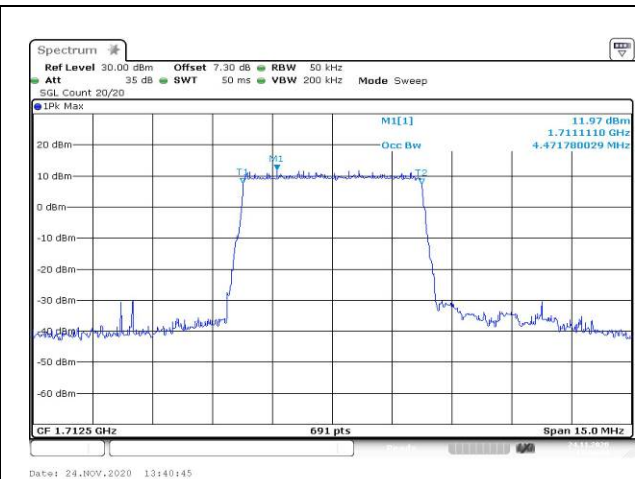


Fig.20

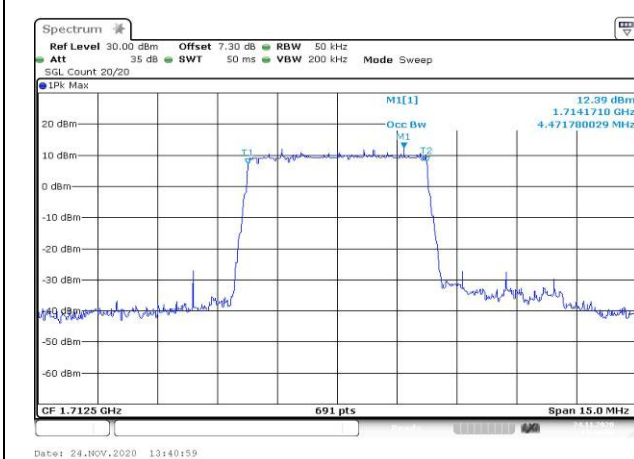


Fig.21

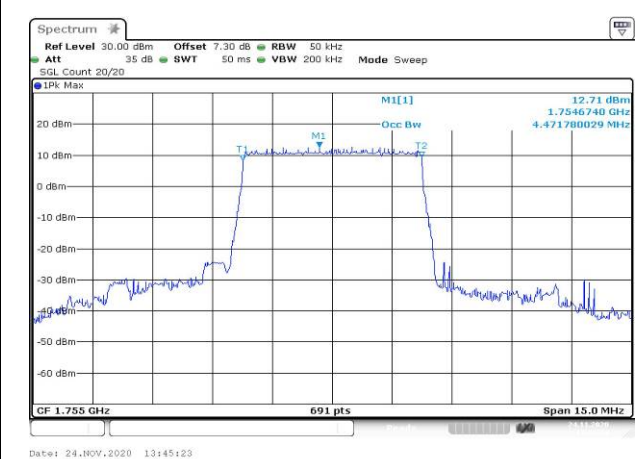


Fig.22

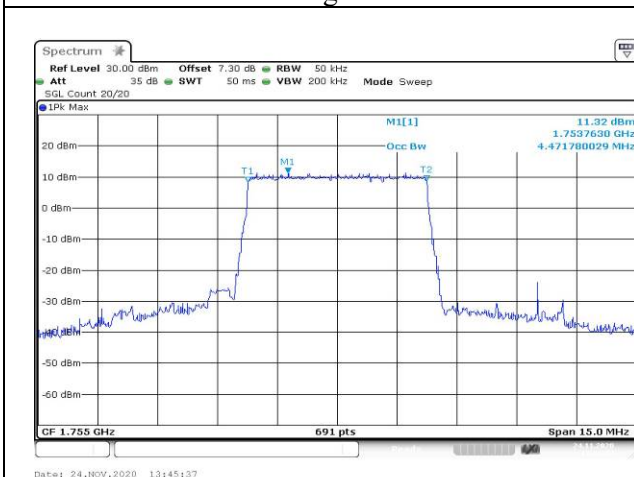


Fig.23

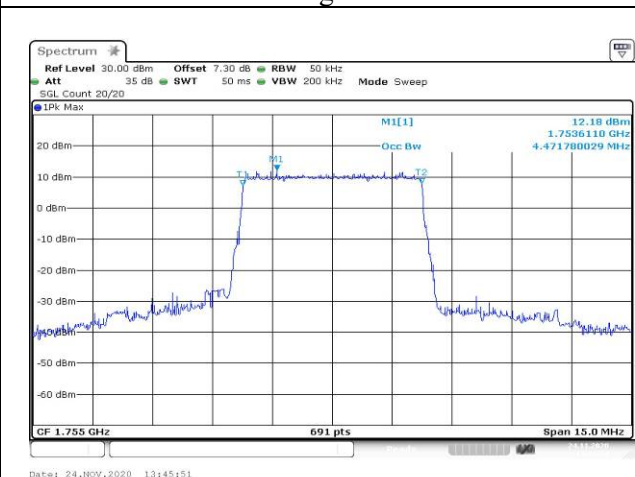
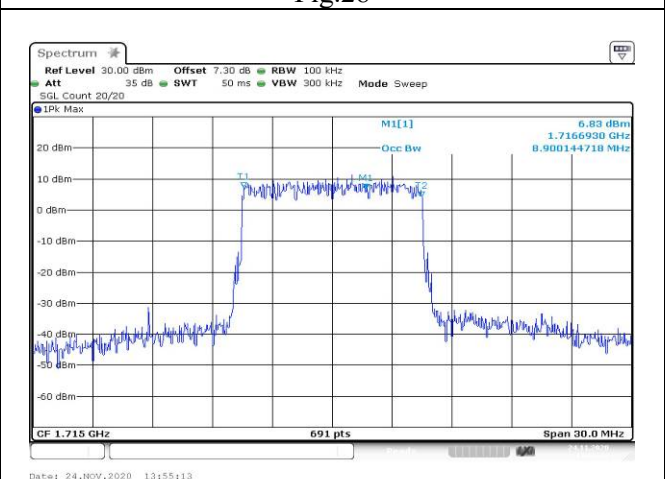
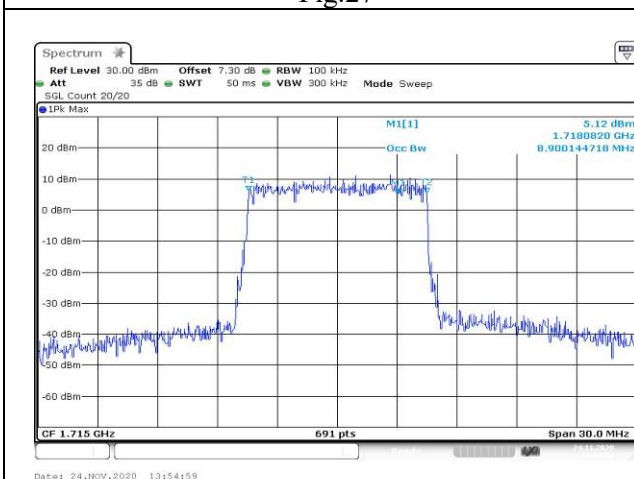
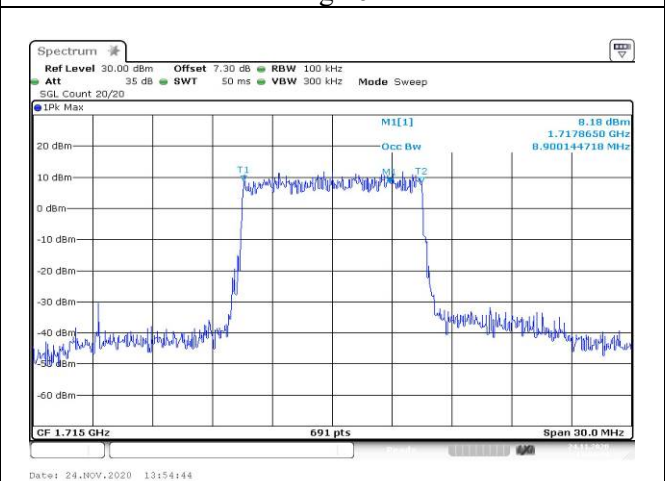
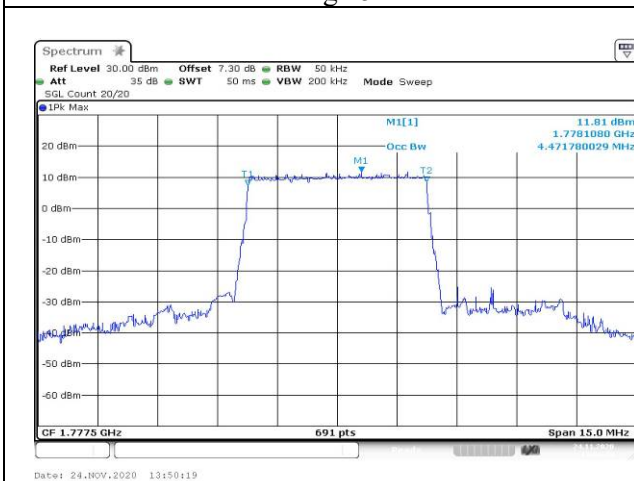
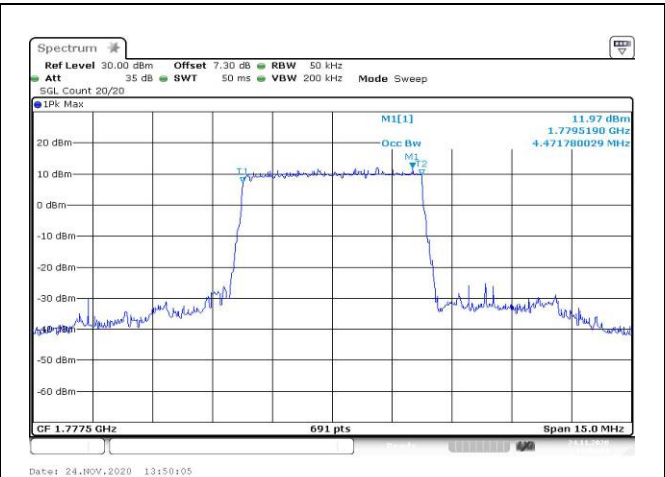
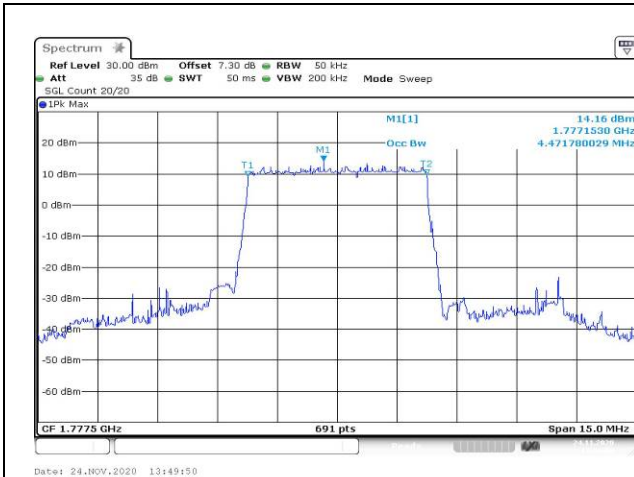
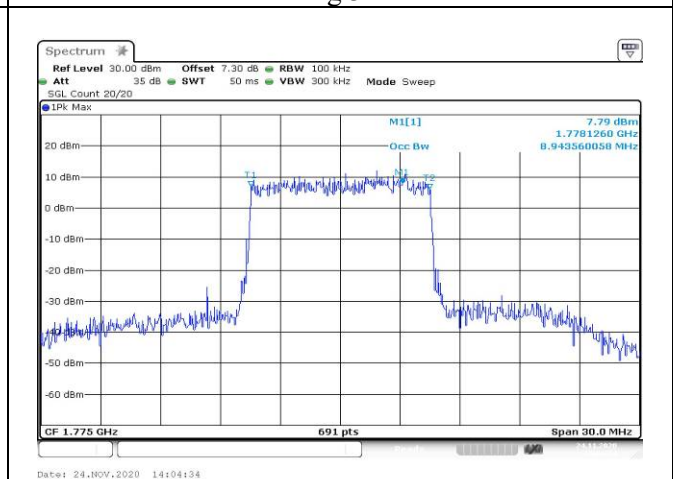
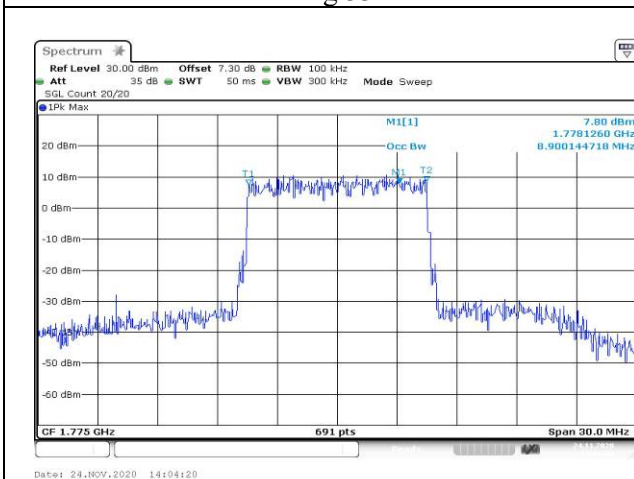
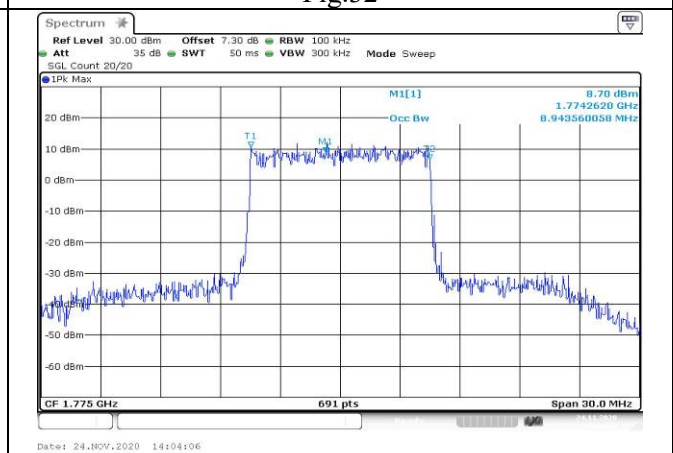
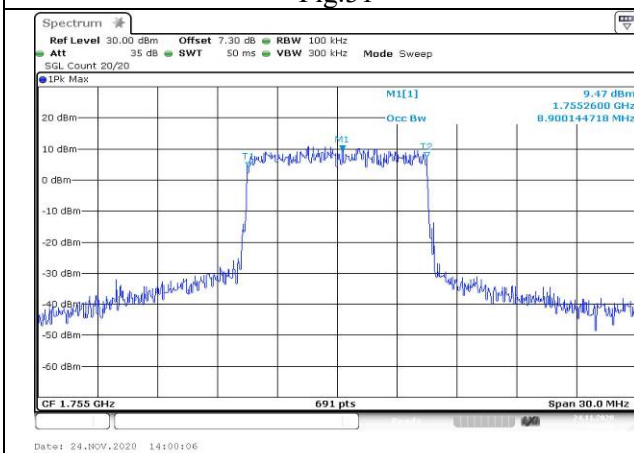
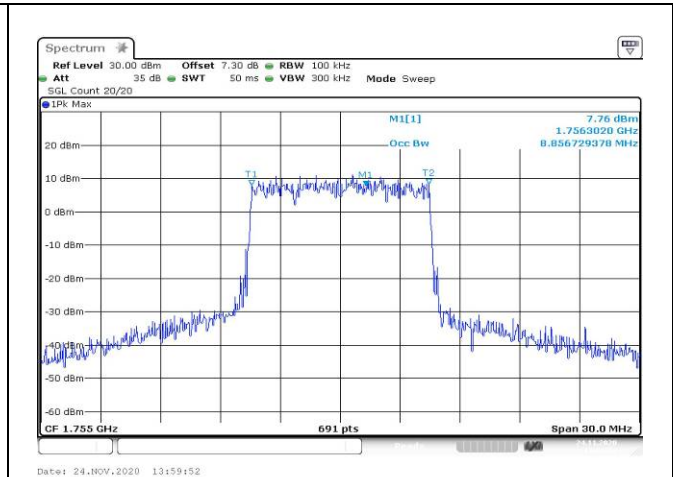
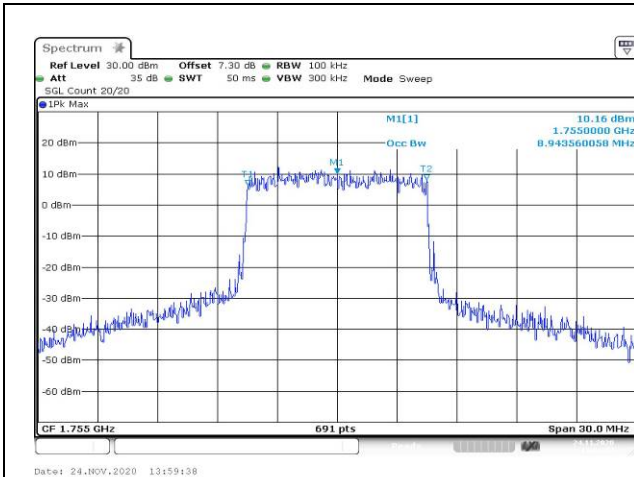


Fig.24





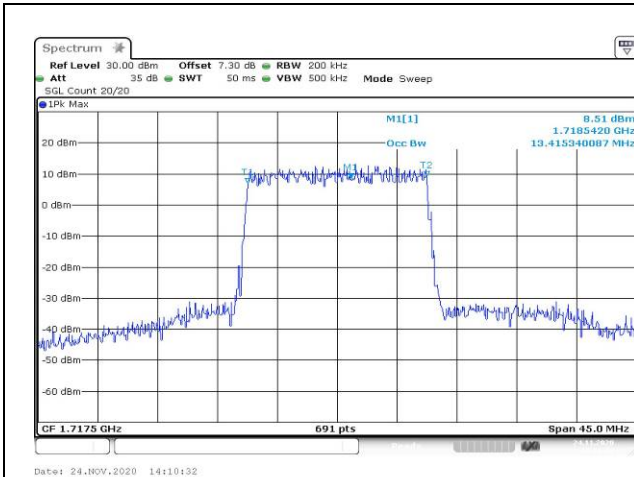


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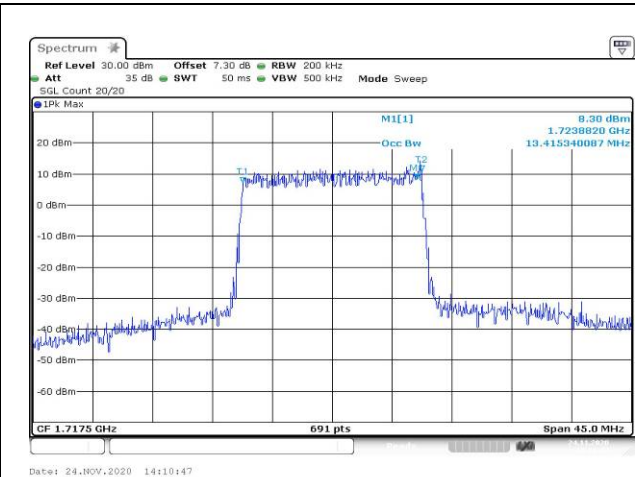


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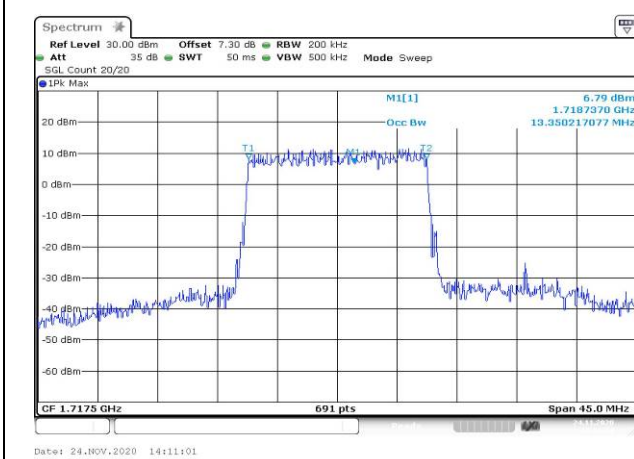


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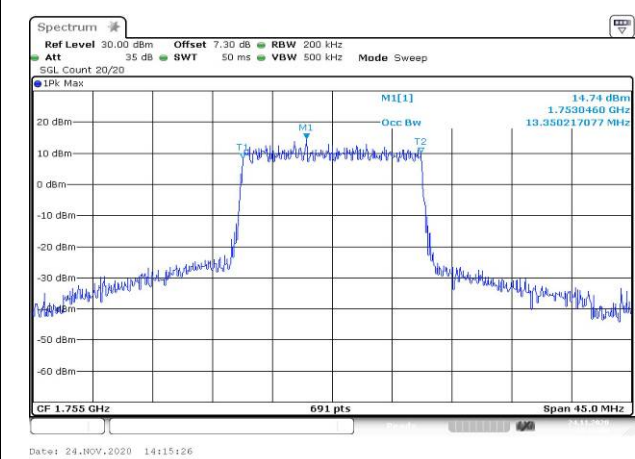


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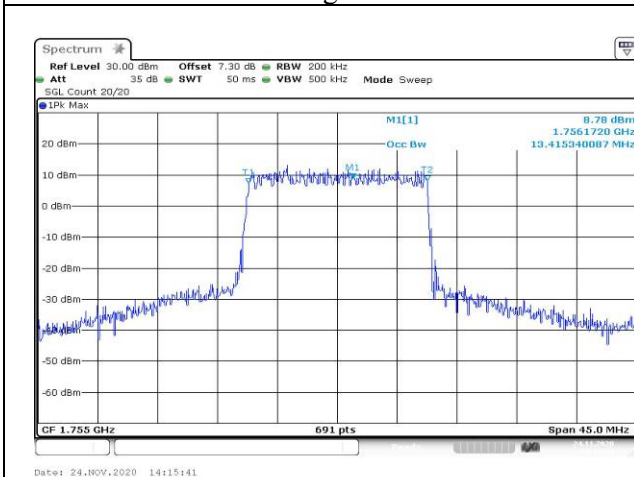


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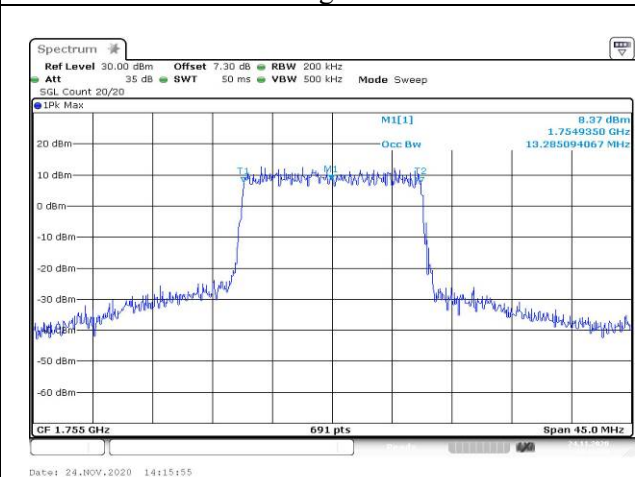


Fig.42

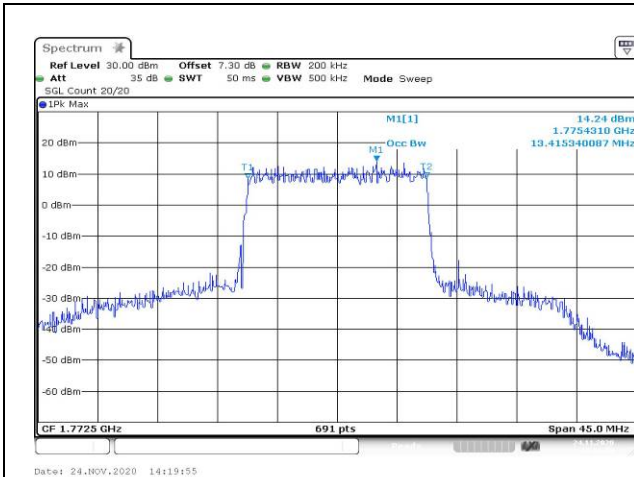


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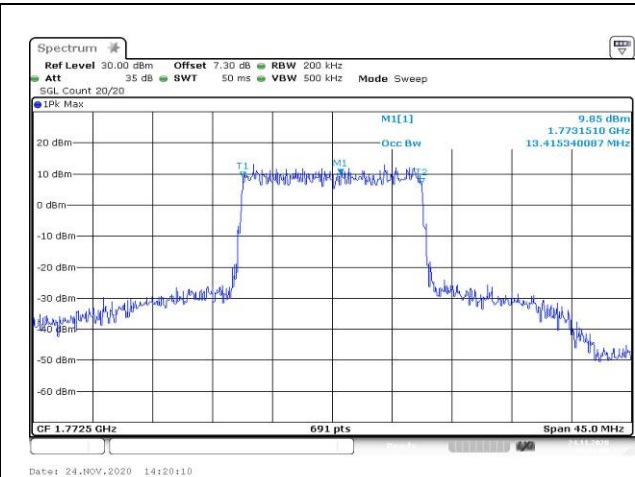


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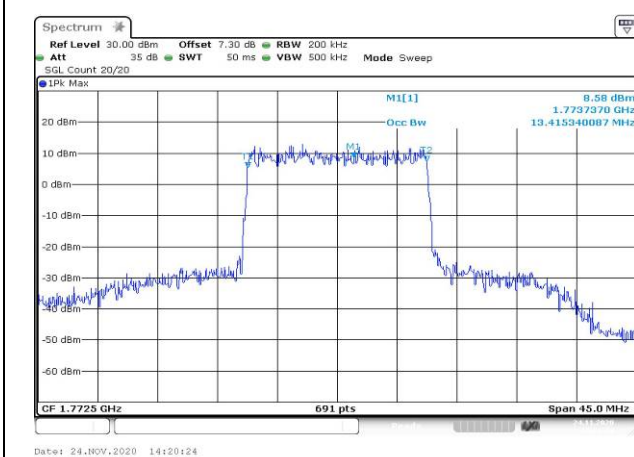


Fig.45

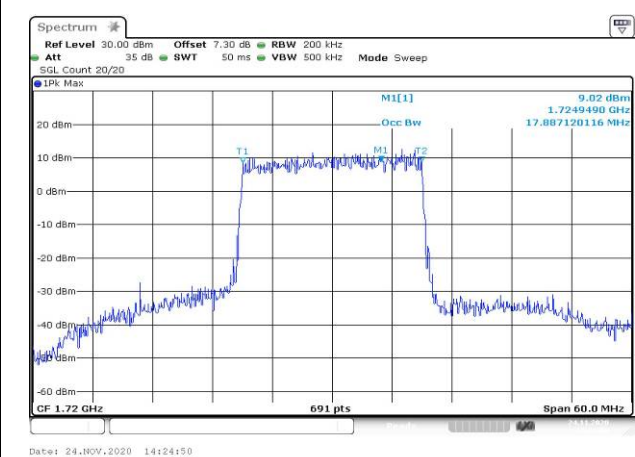


Fig.46

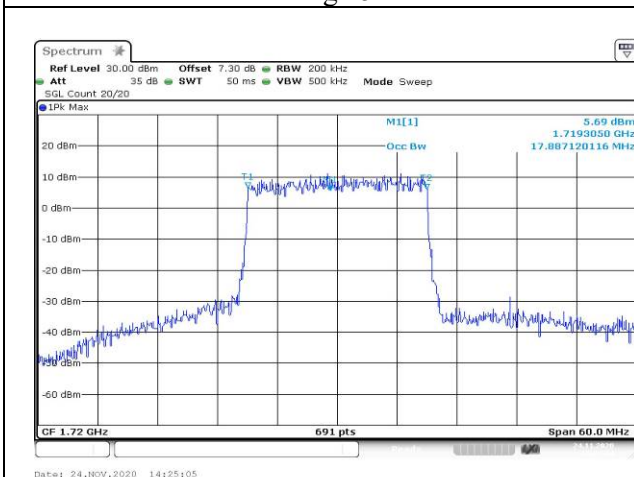


Fig.47

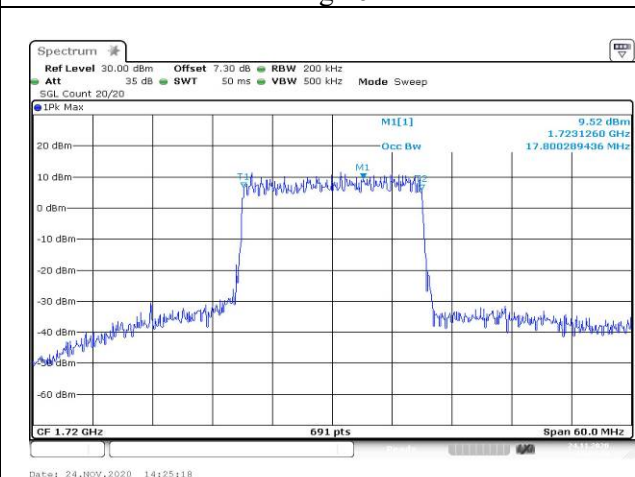


Fig.48

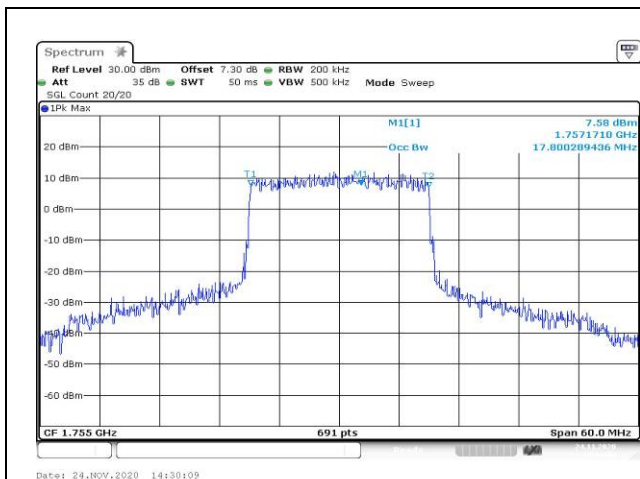


Fig.49

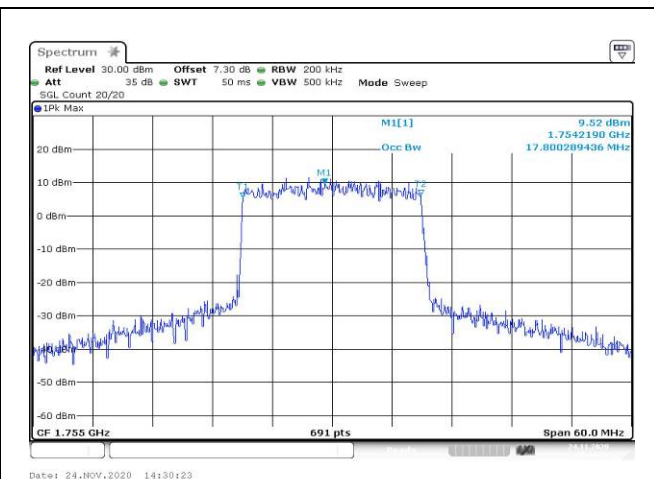


Fig.50

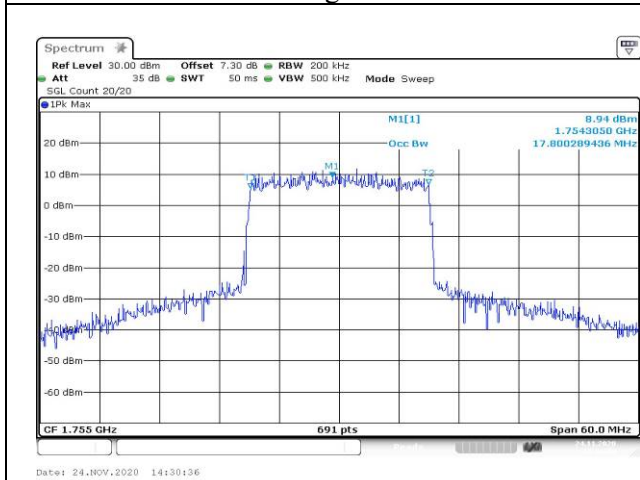


Fig.51

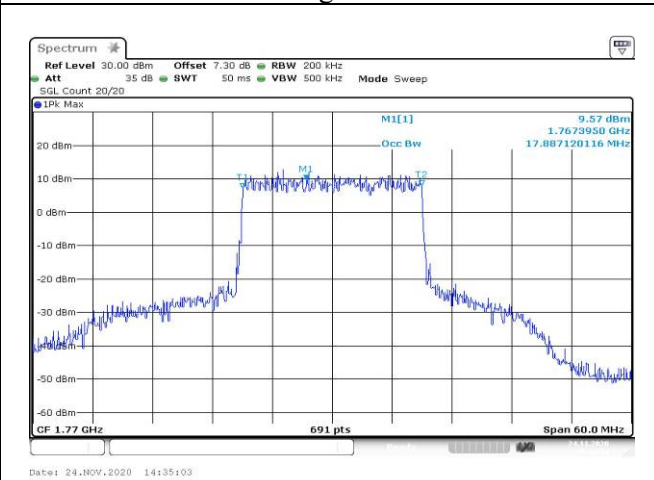


Fig.52

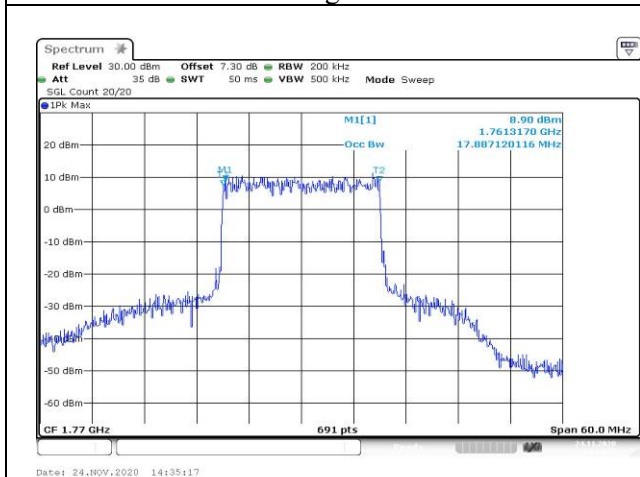


Fig.53

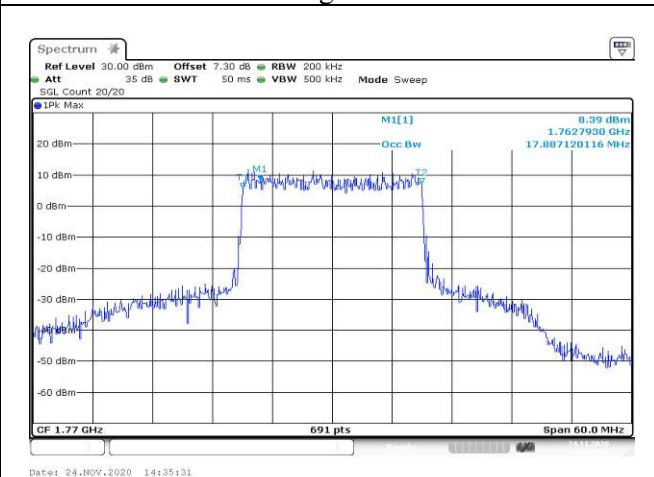


Fig.54

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	
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

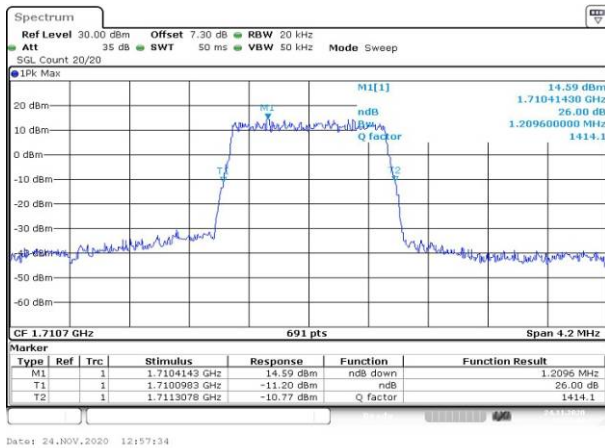


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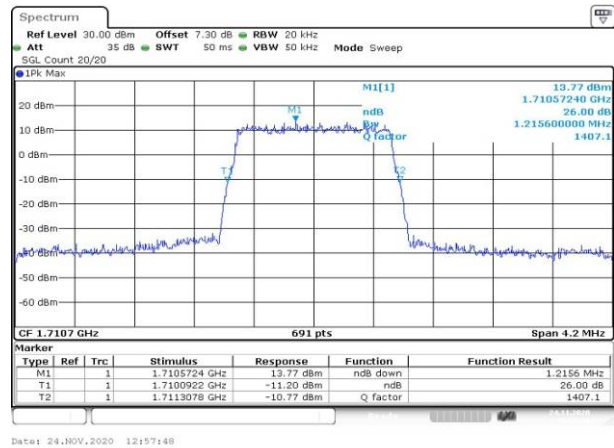


Fig.2

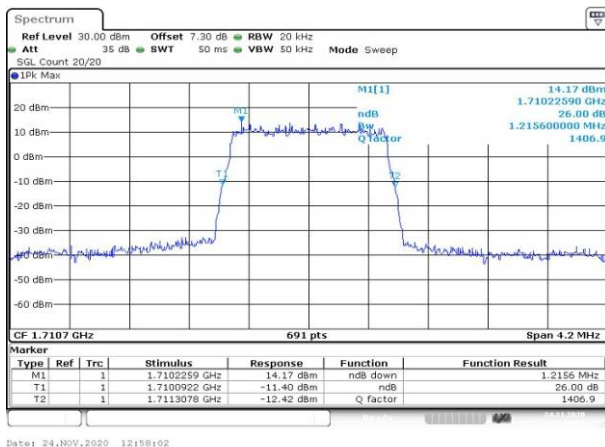


Fig.3

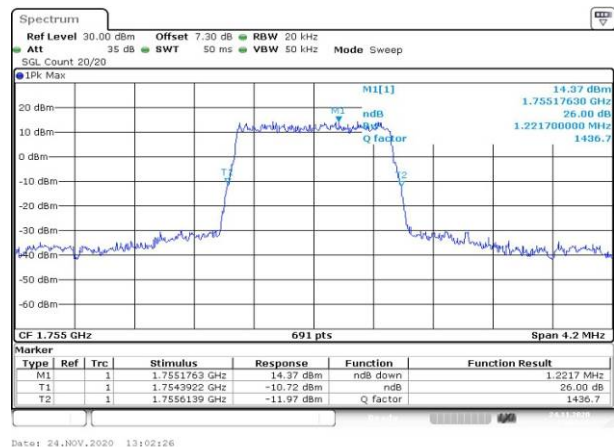


Fig.4

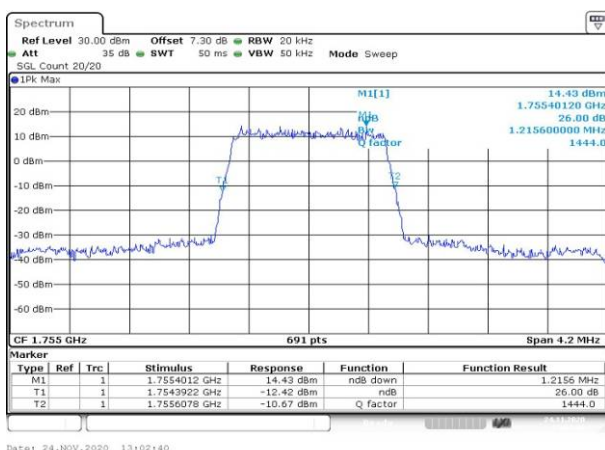


Fig.5

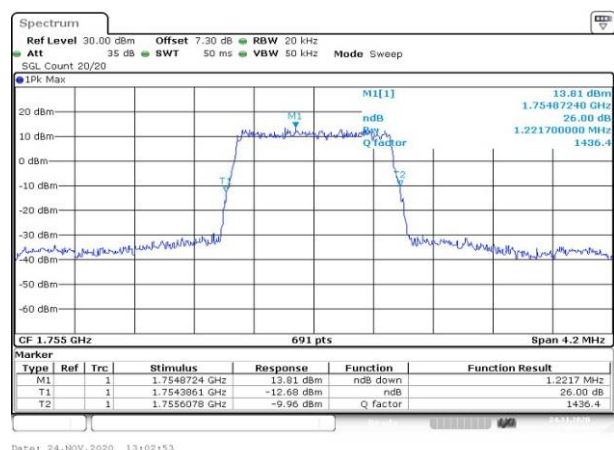


Fig.6

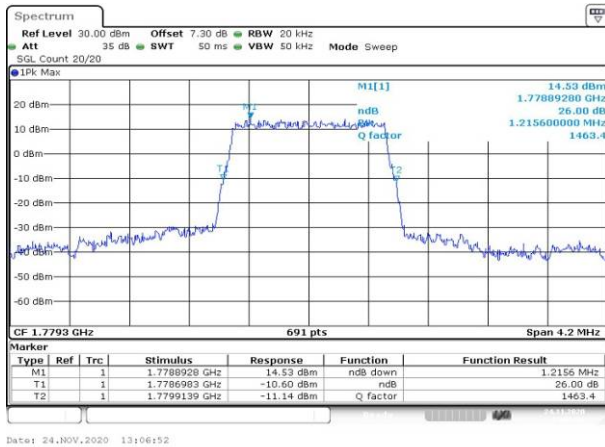


Fig.7

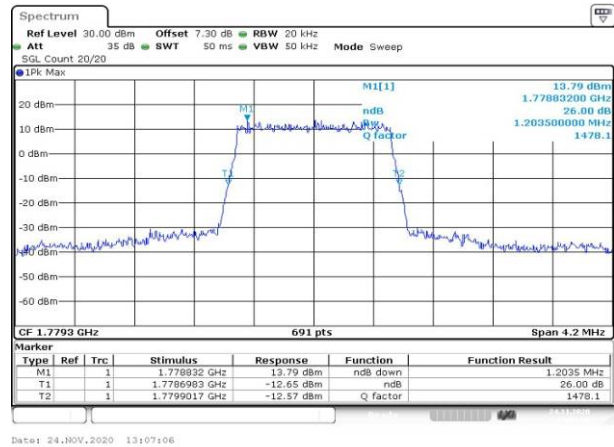


Fig.8

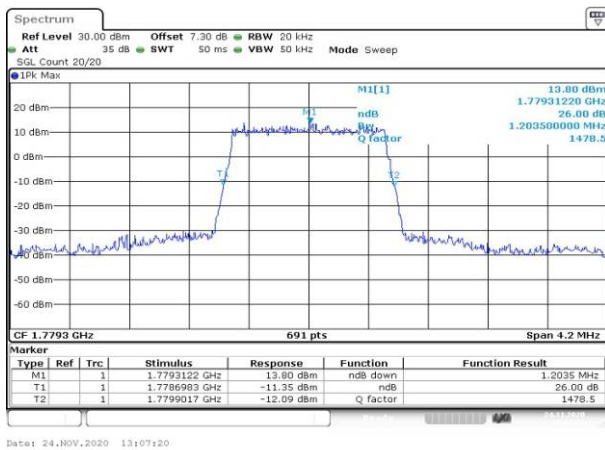


Fig.9

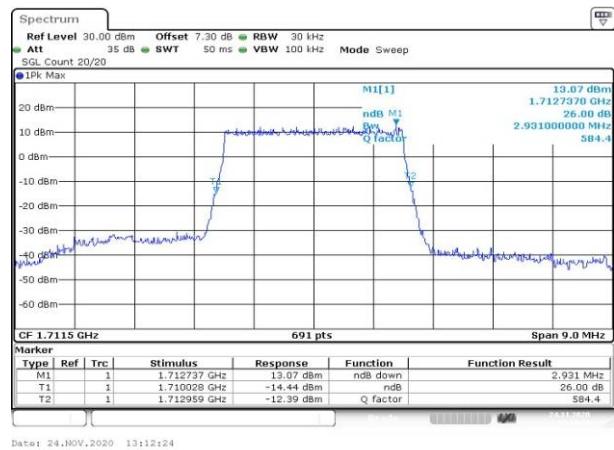


Fig.10

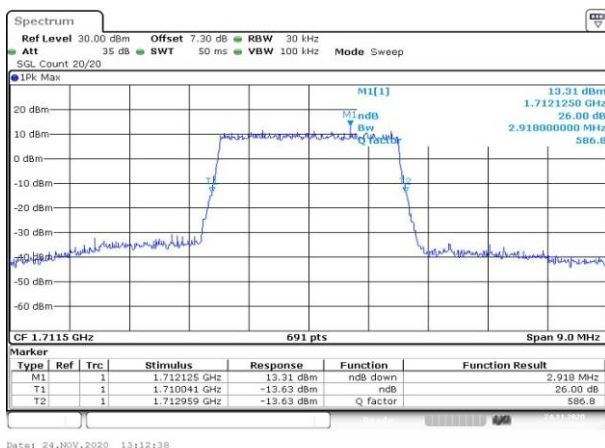


Fig.11

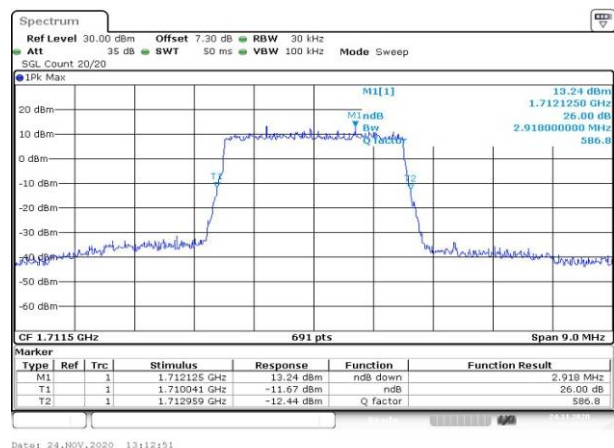


Fig.12

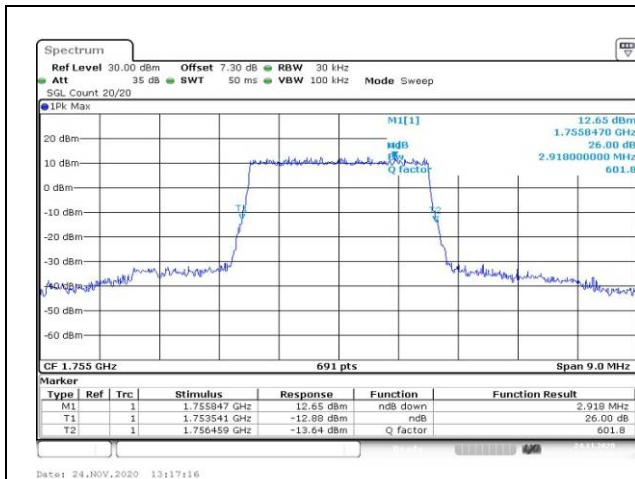


Fig.13

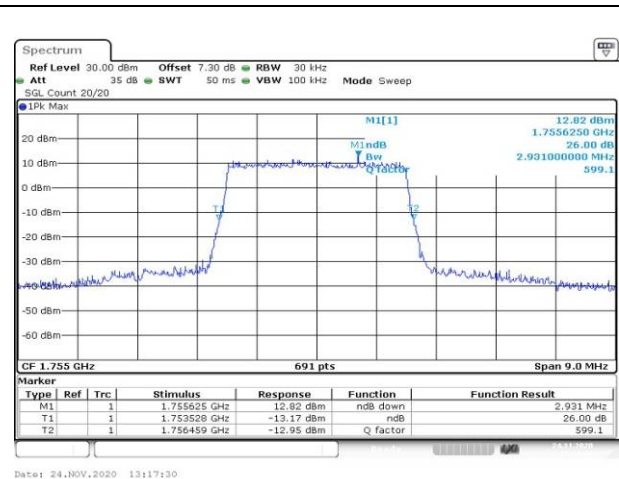


Fig.14

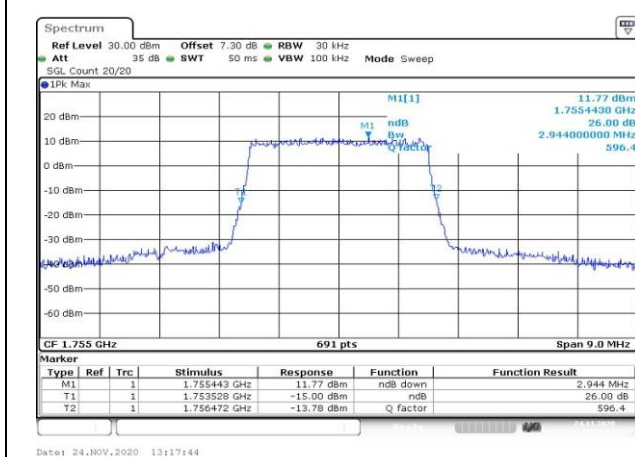


Fig.15

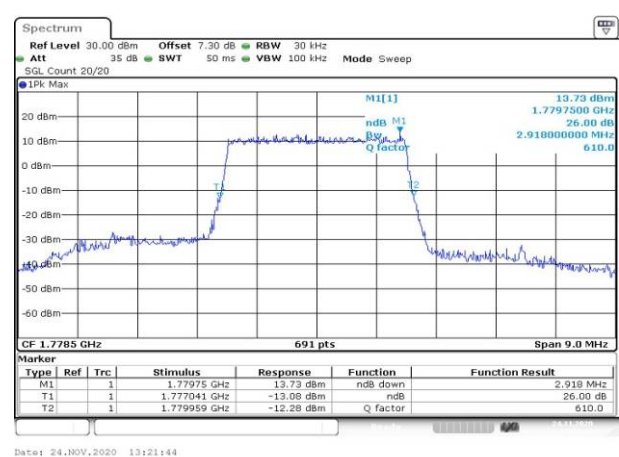


Fig.16

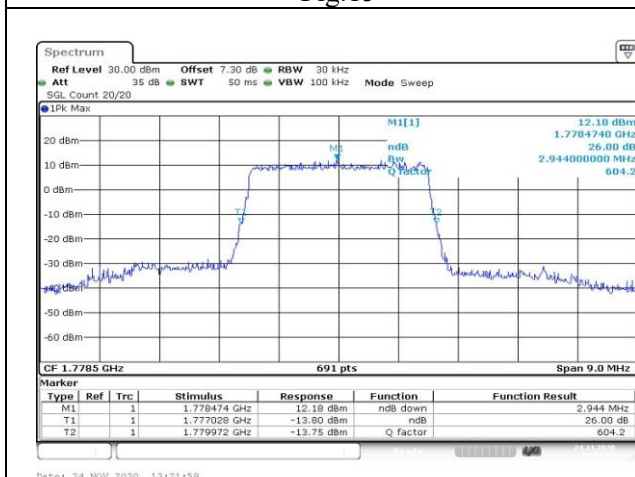


Fig.17

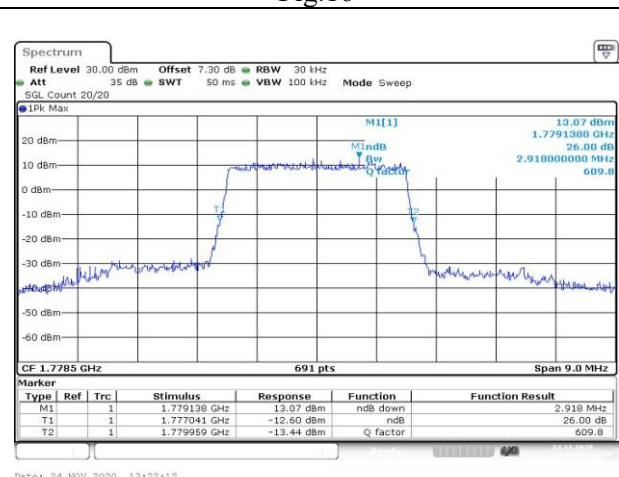


Fig.18

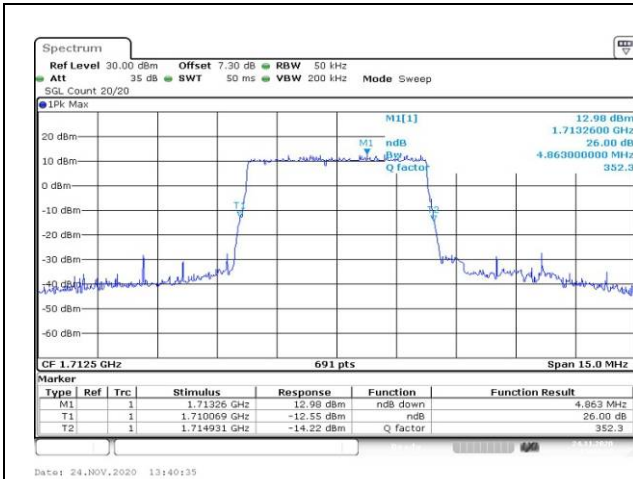


Fig.19

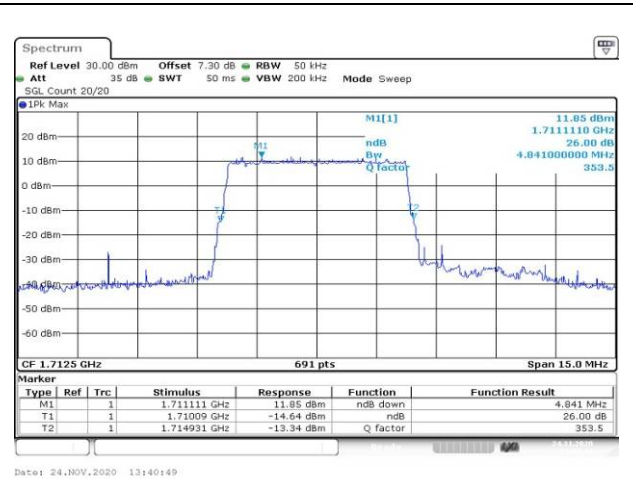


Fig.20

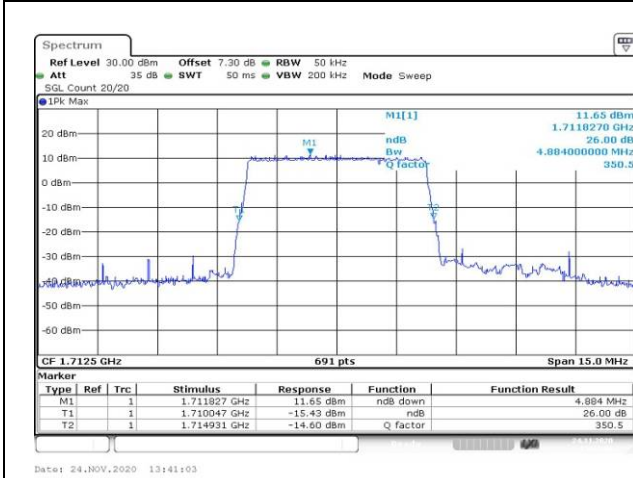


Fig.21

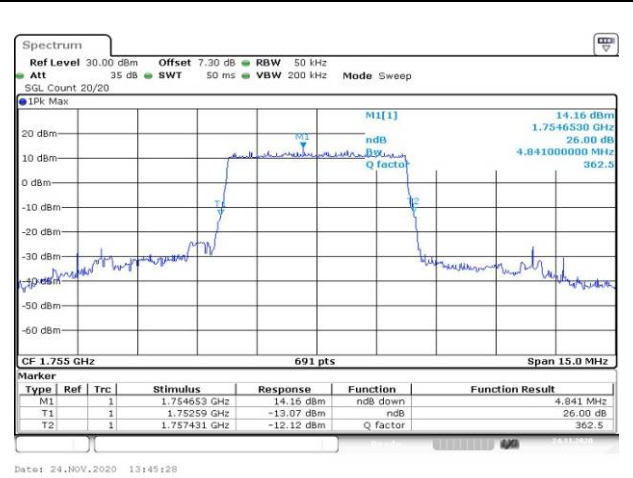


Fig.22



Fig.23

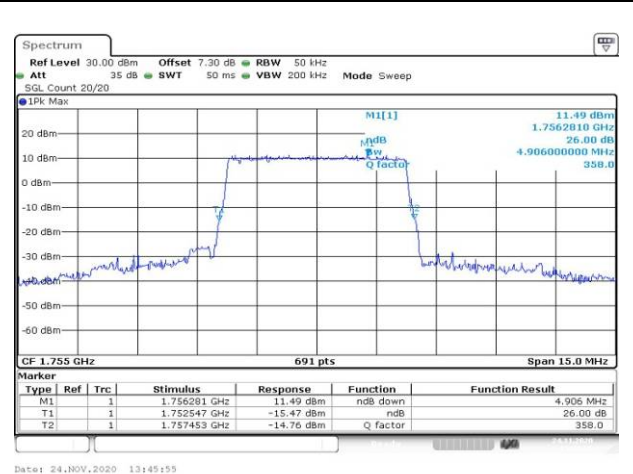


Fig.24

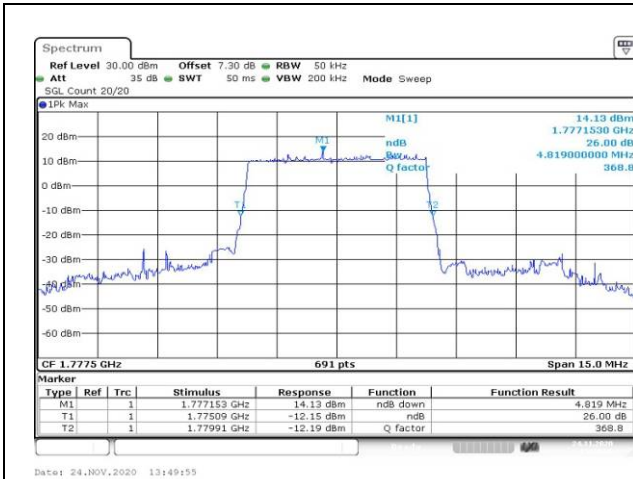


Fig.25

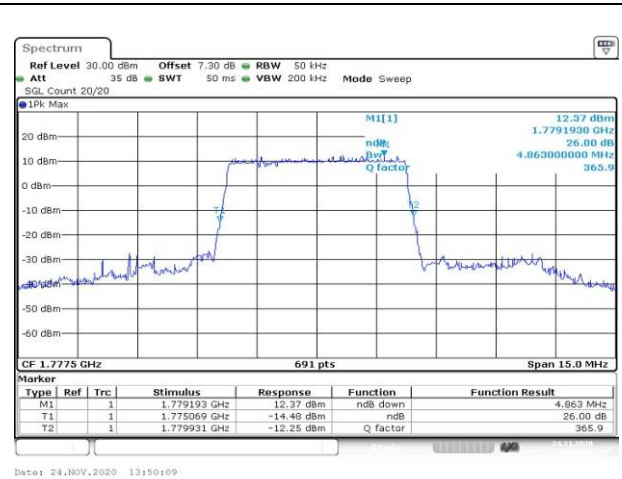


Fig.26

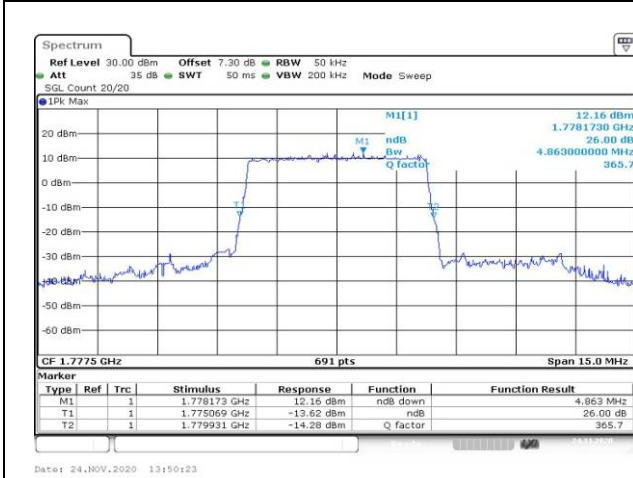


Fig.27

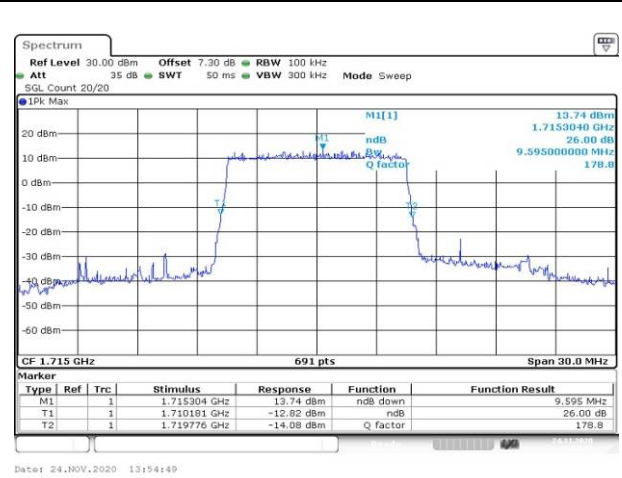


Fig.28



Fig.29

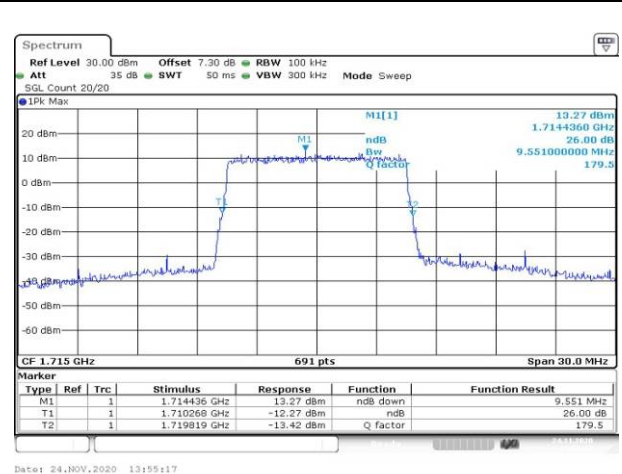


Fig.30

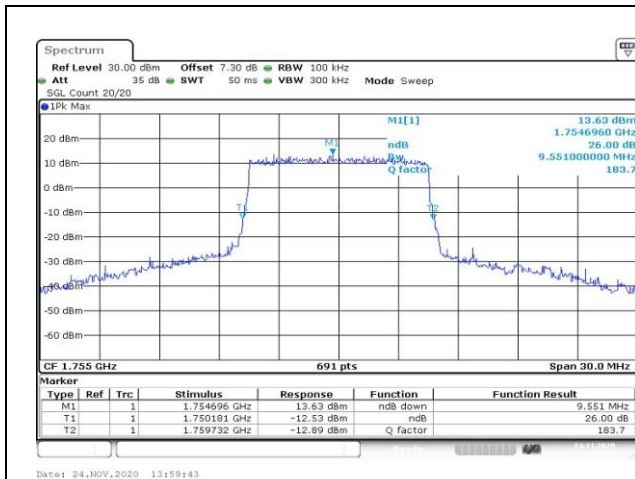


Fig.31

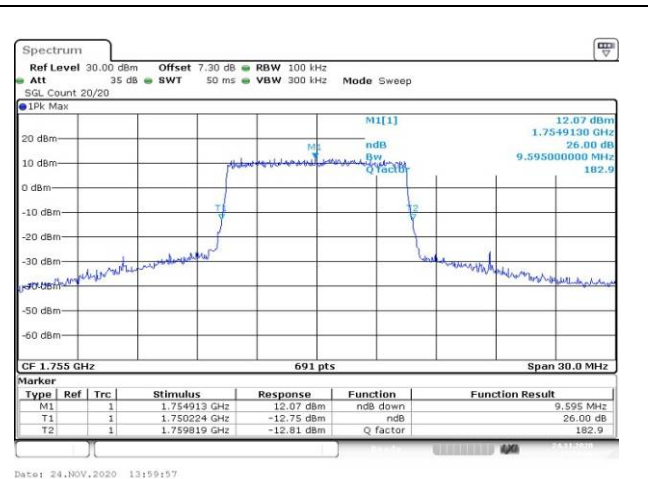


Fig.32

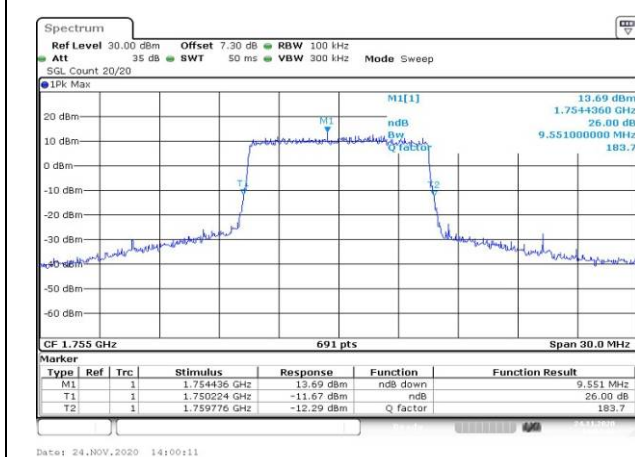


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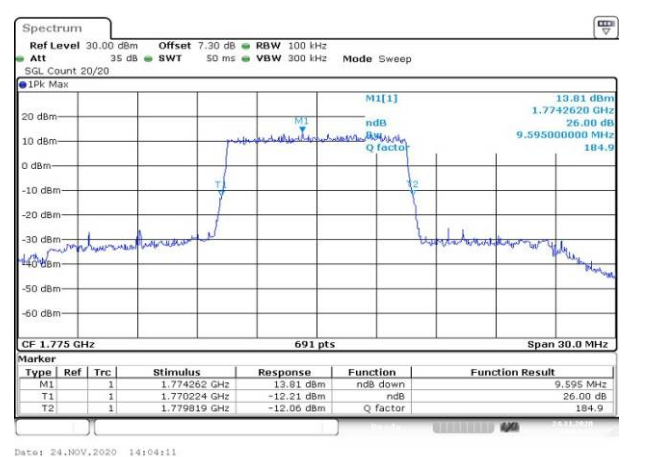


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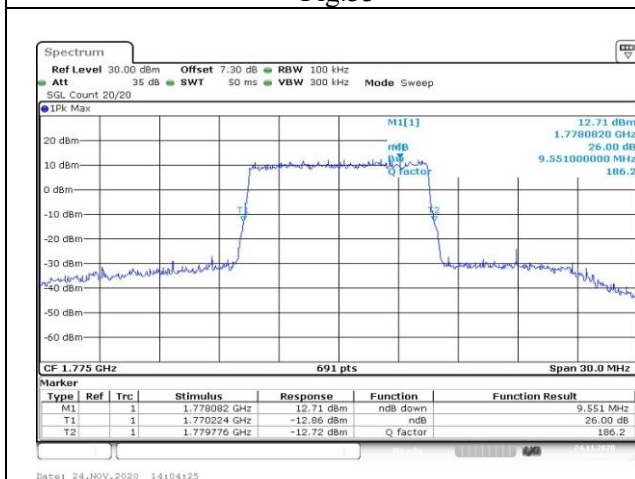


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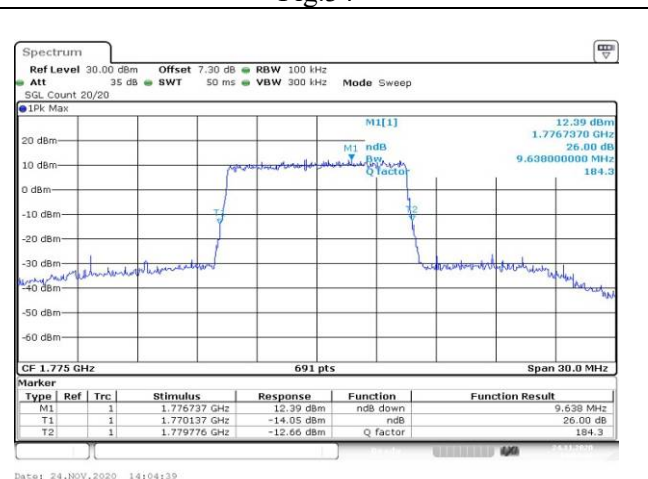


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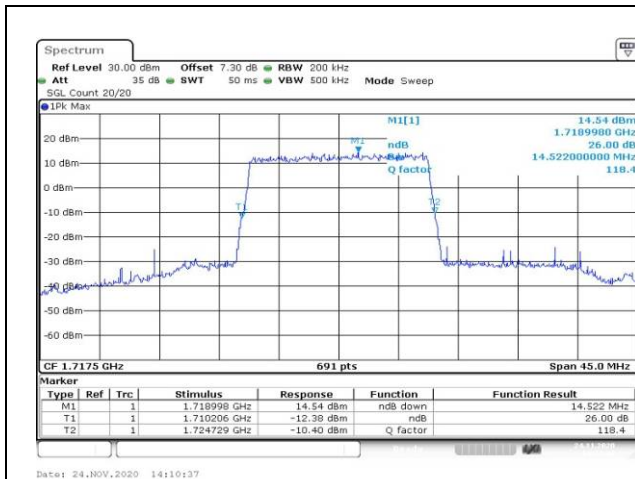


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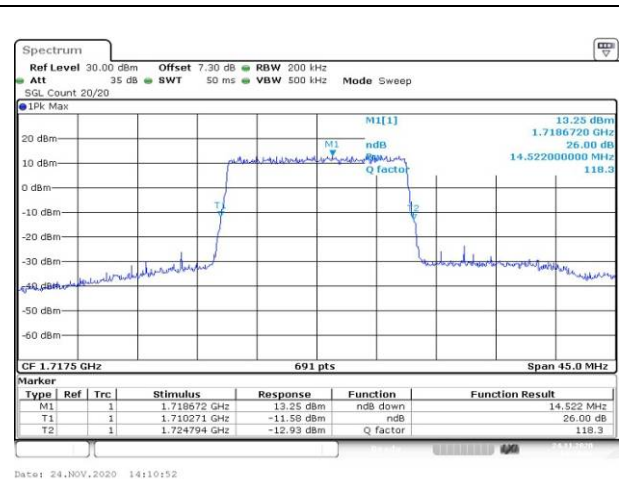


Fig.38

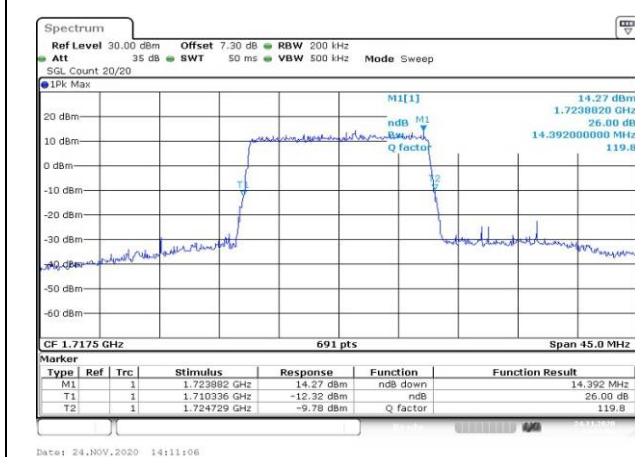


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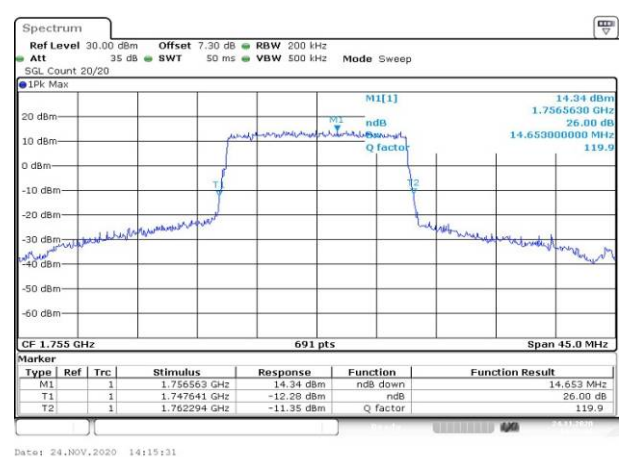


Fig.40

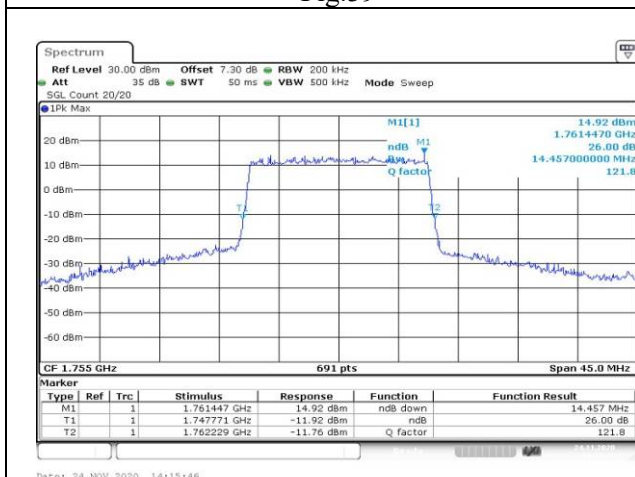


Fig.41



Fig.42

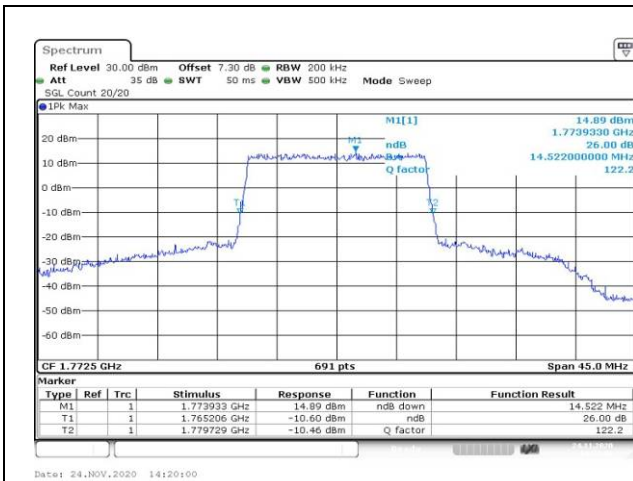


Fig.43

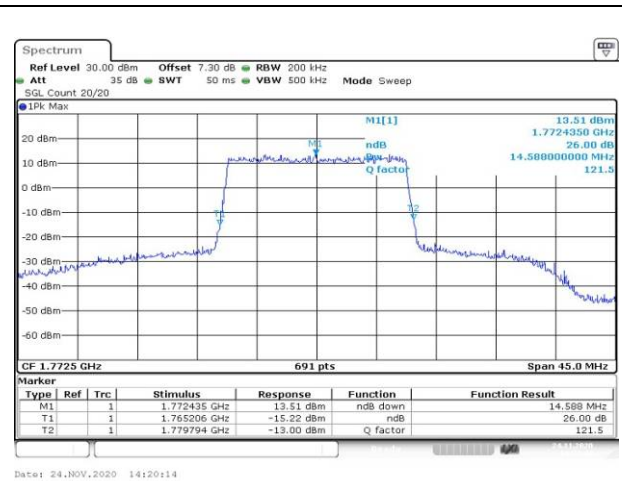


Fig.44

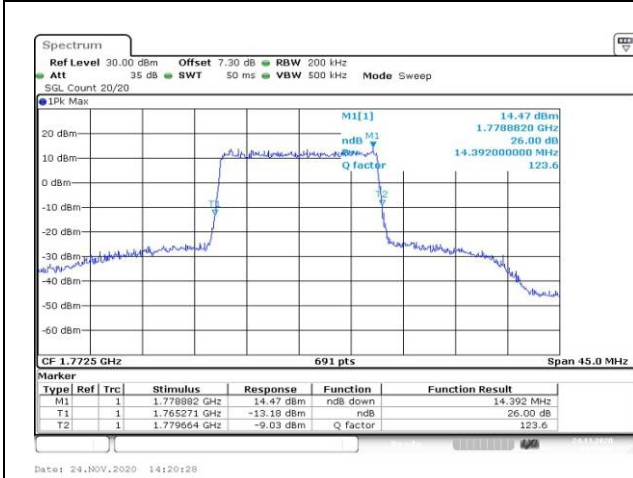


Fig.45

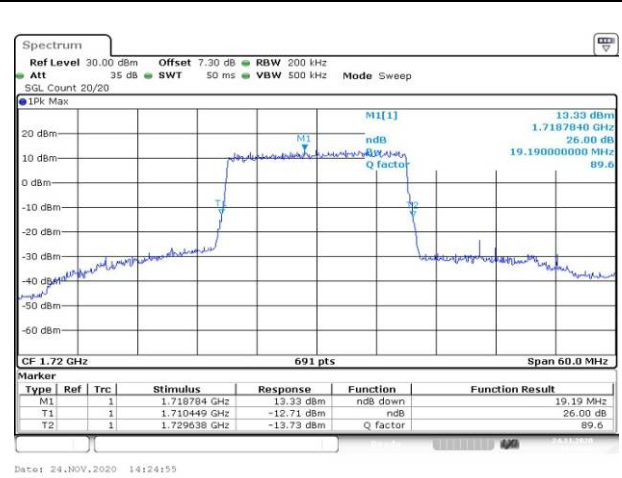


Fig.46

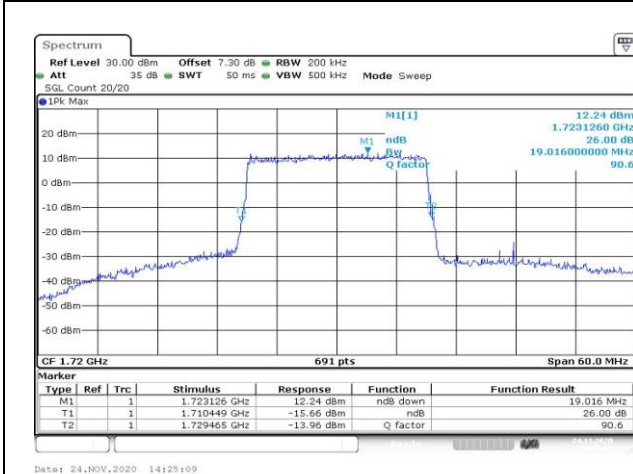


Fig.47

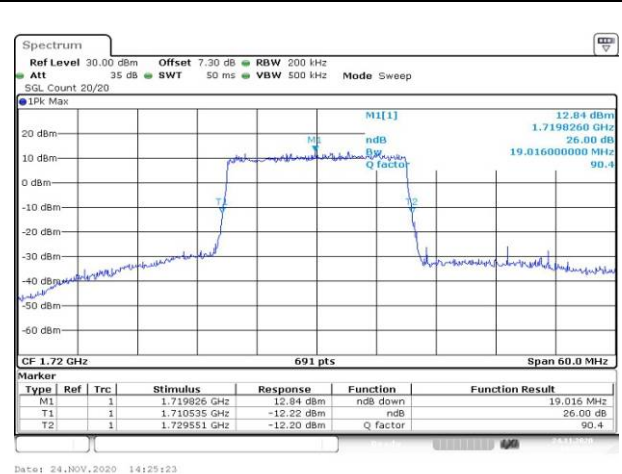


Fig.48

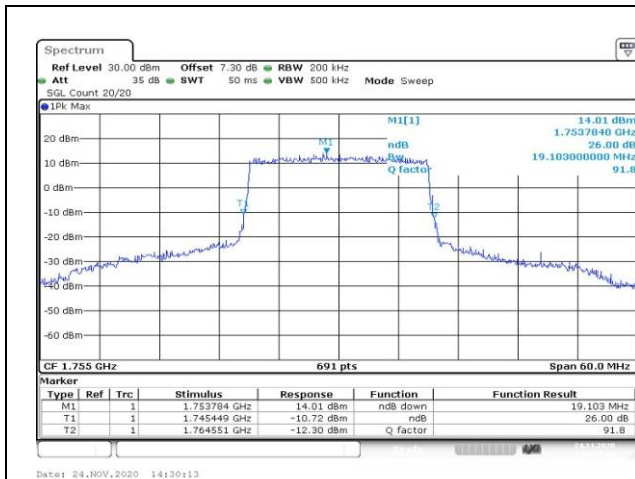


Fig.49



Fig.50

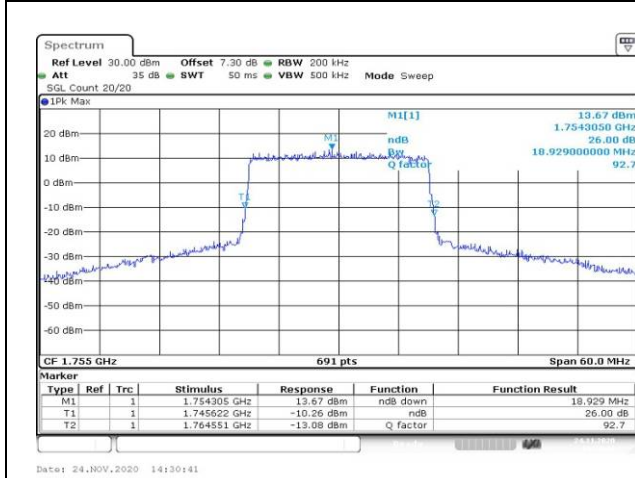


Fig.51



Fig.52



Fig.53

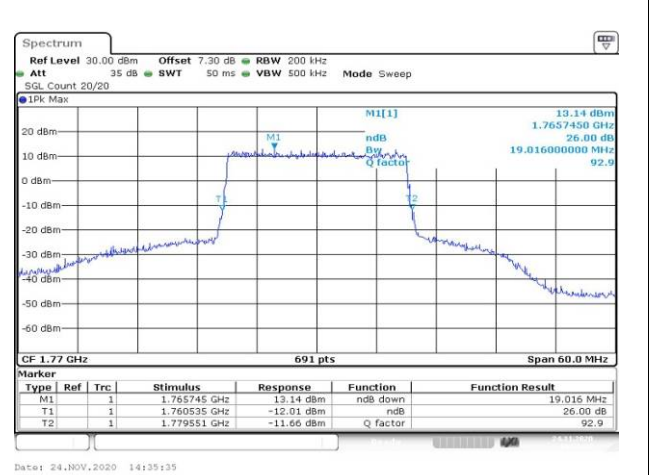


Fig.54

4 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
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

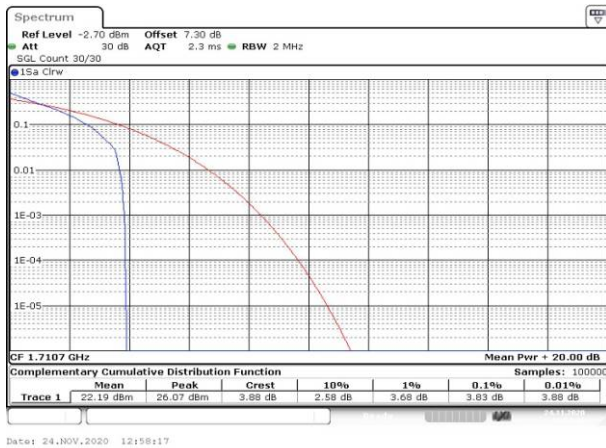


Fig.1

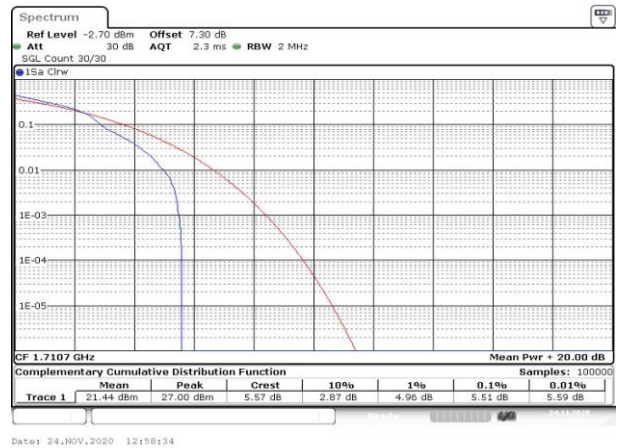


Fig.2

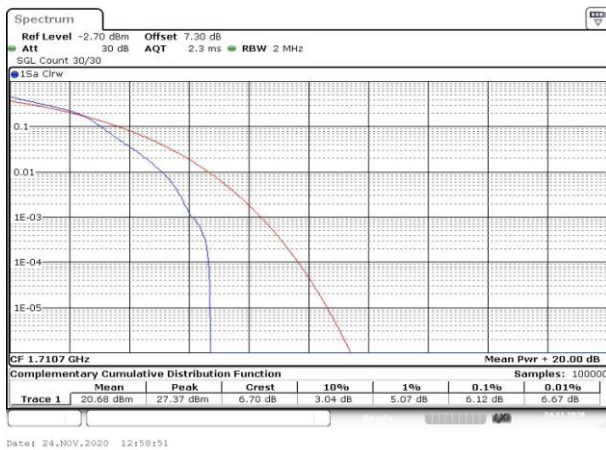


Fig.3

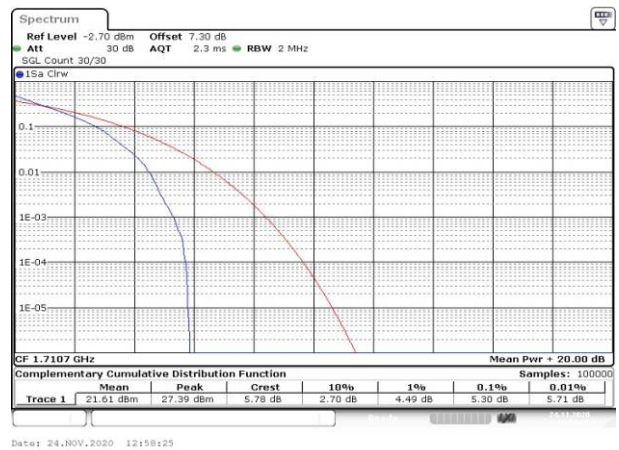


Fig.4

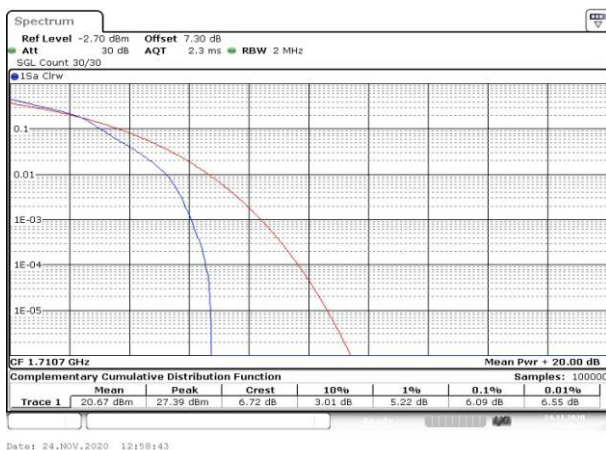


Fig.5

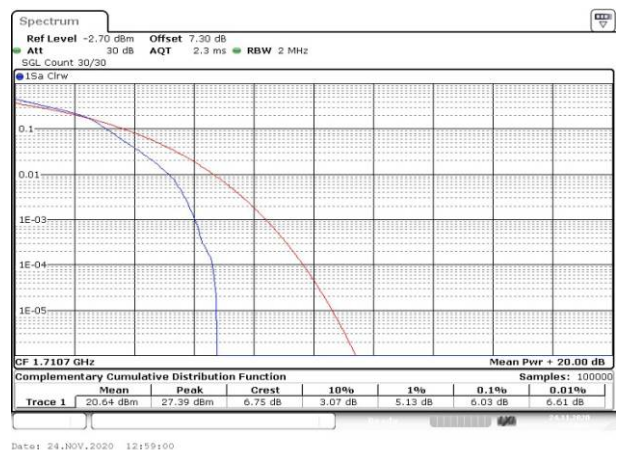


Fig.6