

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	24.03	
				1	3	24.09	
				1	5	24.04	
				3	0	24.13	
				3	1	24.06	
				3	3	24.15	
				6	0	23.04	
	1755	132422		1	0	24.34	
				1	3	24.40	
				1	5	24.40	
				3	0	24.20	
				3	1	24.28	
				3	3	24.26	
				6	0	23.15	
	1779.3	132665		1	0	24.07	
				1	3	24.05	
				1	5	24.07	
				3	0	24.21	
				3	1	24.21	
				3	3	24.19	
				6	0	23.12	
	16QAM	1710.7		131979	1	0	23.82
					1	3	23.91
					1	5	23.90
3			0		22.91		
3			1		22.93		
3			3		23.06		
6			0		22.16		
1755		132422	1	0	23.31		
			1	3	23.35		
			1	5	23.41		
			3	0	23.18		
			3	1	23.23		
			3	3	23.17		
			6	0	22.48		
1779.3		132665	1	0	22.94		
			1	3	23.02		
			1	5	23.01		
			3	0	23.18		
			3	1	23.22		
			3	3	23.18		
			6	0	22.33		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1710.7	131979	1.4	1	0	22.16
				1	3	22.16
				1	5	22.16
				3	0	22.17
				3	1	22.16
				3	3	22.16
				6	0	22.16
	1755	132422		1	0	22.42
				1	3	22.49
				1	5	22.51
				3	0	22.42
				3	1	22.42
				3	3	22.42
				6	0	22.41
	1779.3	132665		1	0	22.33
				1	3	22.33
				1	5	22.33
				3	0	22.33
				3	1	22.33
				3	3	22.27
				6	0	22.33

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	131987	3	1	0	24.04
				1	8	23.93
				1	14	24.00
				8	0	23.04
				8	4	22.96
				8	7	22.96
				15	0	23.11
	1755	132422		1	0	24.42
				1	8	24.38
				1	14	24.34
				8	0	23.22
				8	4	23.24
				8	7	23.23
				15	0	23.26
	1778.5	132657		1	0	24.01
				1	8	24.10
				1	14	24.11
				8	0	23.02
				8	4	23.03
				8	7	23.02
				15	0	23.03
16QAM	1711.5	131987	1	0	22.99	
			1	8	22.86	
			1	14	22.86	
			8	0	22.31	
			8	4	22.24	
			8	7	22.24	
			15	0	22.23	
	1755	132422	1	0	23.36	
			1	8	23.45	
			1	14	23.35	
			8	0	22.45	
			8	4	22.48	
			8	7	22.49	
			15	0	22.34	
	1778.5	132657	1	0	22.94	
			1	8	22.99	
			1	14	22.98	
			8	0	22.27	
8	4	22.34				
8	7	22.34				
15	0	22.18				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1711.5	131987	3	1	0	22.22
				1	8	22.23
				1	14	22.23
				8	0	22.23
				8	4	22.19
				8	7	22.23
				15	0	22.23
	1755	132422		1	0	22.35
				1	8	22.35
				1	14	22.35
				8	0	22.35
				8	4	22.35
				8	7	22.34
				15	0	22.27
	1778.5	132657		1	0	22.18
				1	8	22.18
				1	14	22.18
				8	0	22.18
				8	4	22.18
				8	7	22.18
				15	0	22.18

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	131997	5	1	0	24.05
				1	12	23.80
				1	24	23.97
				12	0	23.19
				12	7	23.07
				12	13	23.06
				25	0	23.10
	1755	132422		1	0	24.17
				1	12	24.11
				1	24	24.12
				12	0	23.25
				12	7	23.21
				12	13	23.19
				25	0	23.26
	1777.5	132647		1	0	24.10
				1	12	24.08
				1	24	24.01
				12	0	23.17
				12	7	23.05
				12	13	23.04
				25	0	23.08
16QAM	1712.5	131997	1	0	22.82	
			1	12	22.67	
			1	24	22.66	
			12	0	22.00	
			12	7	21.90	
			12	13	21.91	
			25	0	21.93	
	1745	132322	1	0	22.51	
			1	12	22.58	
			1	24	22.58	
			12	0	22.22	
			12	7	22.33	
			12	13	22.32	
			25	0	22.35	
	1777.5	132647	1	0	22.77	
			1	12	22.68	
			1	24	22.75	
			12	0	22.03	
			12	7	21.96	
			12	13	21.95	
			25	0	22.17	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1712.5	131997	5	1	0	21.93
				1	12	21.93
				1	24	21.93
				12	0	21.93
				12	7	21.93
				12	13	21.93
				25	0	21.93
	1755	132422		1	0	22.34
				1	12	22.34
				1	24	22.35
				12	0	22.34
				12	7	22.34
				12	13	22.34
				25	0	22.34
	1777.5	132647		1	0	22.16
				1	12	22.30
				1	24	22.06
				12	0	22.07
				12	7	22.06
				12	13	22.30
				25	0	22.29

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	132022	10	1	0	24.08
				1	25	23.87
				1	49	23.83
				25	0	22.96
				25	12	22.88
				25	25	22.86
				50	0	22.91
	1755	132422		1	0	24.20
				1	25	24.35
				1	49	24.39
				25	0	23.25
				25	12	23.20
				25	25	23.20
				50	0	23.20
	1775	132622		1	0	24.02
				1	25	24.06
				1	49	24.07
				25	0	23.14
				25	12	23.05
				25	25	23.04
				50	0	23.06
16QAM	1715	132022	1	0	23.04	
			1	25	22.81	
			1	49	22.66	
			25	0	22.31	
			25	12	22.23	
			25	25	22.23	
			50	0	22.12	
	1755	132422	1	0	23.16	
			1	25	23.23	
			1	49	23.22	
			25	0	22.32	
			25	12	22.42	
			25	25	22.42	
			50	0	22.37	
	1775	132622	1	0	23.06	
			1	25	22.90	
			1	49	22.98	
			25	0	22.36	
			25	12	22.28	
			25	25	22.39	
			50	0	22.25	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1715	132022	10	1	0	22.14
				1	25	22.13
				1	49	22.03
				25	0	22.03
				25	12	22.03
				25	25	22.03
				50	0	22.03
	1755	132422		1	0	22.37
				1	25	22.25
				1	49	22.26
				25	0	22.26
				25	12	22.38
				25	25	22.38
				50	0	22.25
	1775	132622		1	0	22.25
				1	25	22.25
				1	49	22.25
				25	0	22.25
				25	12	22.25
				25	25	22.25
				50	0	22.25

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	132047	15	1	0	23.92
				1	37	23.72
				1	74	23.68
				36	0	22.99
				36	29	22.95
				36	30	22.94
				75	0	22.94
	1755	132422		1	0	24.08
				1	37	24.26
				1	74	24.21
				36	0	23.12
				36	29	23.07
				36	30	23.06
				75	0	23.08
	1772.5	132597		1	0	24.15
				1	37	23.95
				1	74	23.99
				36	0	23.15
				36	29	23.13
				36	30	23.11
				75	0	23.08
16QAM	1717.5	132047	1	0	23.35	
			1	37	23.18	
			1	74	23.17	
			36	0	22.08	
			36	29	22.05	
			36	30	22.05	
			75	0	21.94	
	1755	132422	1	0	23.28	
			1	37	23.40	
			1	74	23.39	
			36	0	22.34	
			36	29	22.40	
			36	30	22.40	
			75	0	22.25	
	1772.5	132597	1	0	23.54	
			1	37	23.37	
			1	74	23.41	
			36	0	22.23	
			36	29	22.26	
			36	30	22.26	
			75	0	22.24	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1717.5	132047	15	1	0	21.93
				1	37	21.93
				1	74	21.93
				36	0	22.04
				36	29	22.03
				36	30	22.03
				75	0	22.03
	1755	132422		1	0	22.26
				1	37	22.26
				1	74	22.26
				36	0	22.26
				36	29	22.26
				36	30	22.26
				75	0	22.25
	1772.5	132597		1	0	22.24
				1	37	22.24
				1	74	22.23
				36	0	22.23
				36	29	22.24
				36	30	22.24
				75	0	22.24

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1720	132072	20	1	0	24.10	
				1	49	23.86	
				1	99	23.92	
				50	0	22.96	
				50	24	22.81	
				50	50	22.80	
				100	0	22.85	
	1755	132422		1	0	24.15	
				1	49	24.31	
				1	99	24.37	
				50	0	23.08	
				50	24	23.11	
				50	50	23.09	
				100	0	23.16	
	1770	132572		1	0	24.29	
				1	49	24.11	
				1	99	24.13	
				50	0	23.33	
				50	24	23.18	
				50	50	23.17	
				100	0	23.25	
	16QAM	1720		132072	1	0	23.80
					1	49	23.58
					1	99	23.58
50					0	22.07	
50					24	21.93	
50					50	21.93	
100					0	22.12	
1755		132422		1	0	23.62	
				1	49	23.80	
			1	99	23.78		
			50	0	22.18		
			50	24	22.24		
			50	50	22.24		
			100	0	22.32		
1770		132572	1	0	23.87		
			1	49	23.80		
			1	99	23.77		
			50	0	22.30		
			50	24	22.25		
			50	50	22.25		
			100	0	22.34		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1720	132072	20	1	0	22.12
				1	49	22.11
				1	99	22.12
				50	0	22.11
				50	24	22.11
				50	50	22.11
				100	0	22.11
	1755	132422		1	0	22.32
				1	49	22.20
				1	99	22.21
				50	0	22.20
				50	24	22.20
				50	50	22.20
				100	0	22.20
	1770	132572		1	0	22.35
				1	49	22.35
				1	99	22.35
				50	0	22.34
				50	24	22.36
				50	50	22.36
				100	0	22.35

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	1.082	Fig.2	1.082	Fig.3
	1755	132422		6	0	1.082	Fig.4	1.088	Fig.5	1.088	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	2.696	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	4.450	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	8.944	Fig.28	8.944	Fig.29	8.944	Fig.30
	1755	132422		50	0	8.944	Fig.31	8.944	Fig.32	8.944	Fig.33
	1775	132622		50	0	8.944	Fig.34	8.944	Fig.35	8.944	Fig.36
	1717.5	132047	15	75	0	13.415	Fig.37	13.480	Fig.38	13.480	Fig.39
	1755	132422		75	0	13.415	Fig.40	13.480	Fig.41	13.415	Fig.42
	1772.5	132597		75	0	13.415	Fig.43	13.415	Fig.44	13.480	Fig.45
	1720	132072	20	100	0	17.974	Fig.46	17.887	Fig.47	17.974	Fig.48
	1755	132422		100	0	17.887	Fig.49	17.887	Fig.50	17.887	Fig.51
	1770	132572		100	0	17.887	Fig.52	17.974	Fig.53	17.887	Fig.54

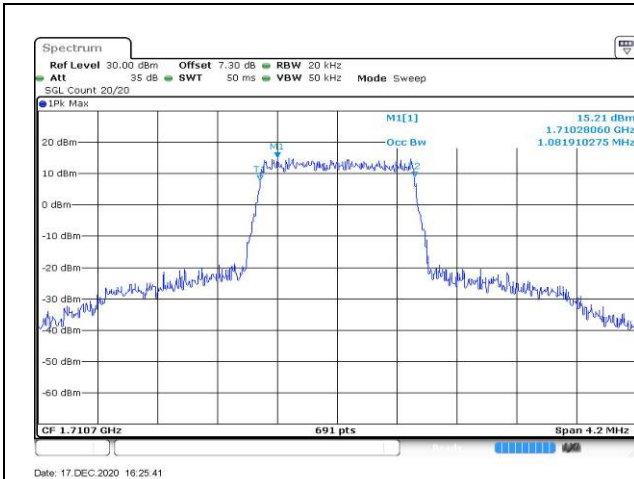


Fig.1

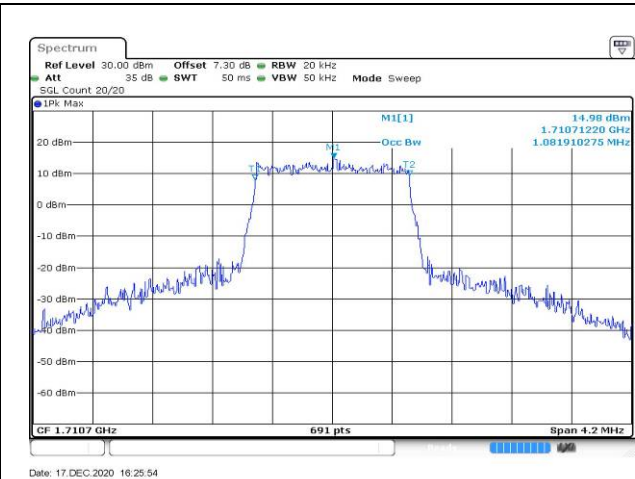


Fig.2

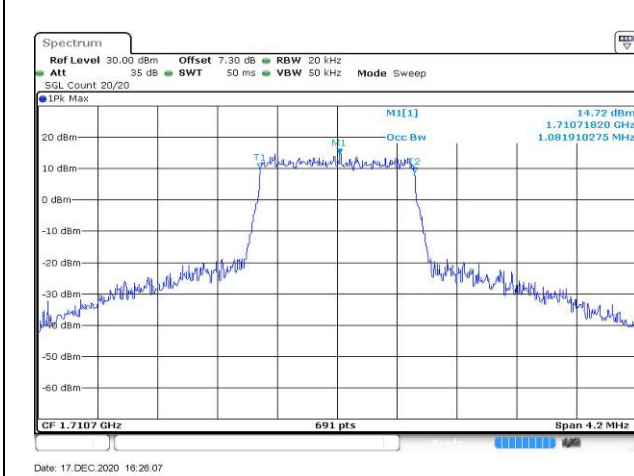


Fig.3

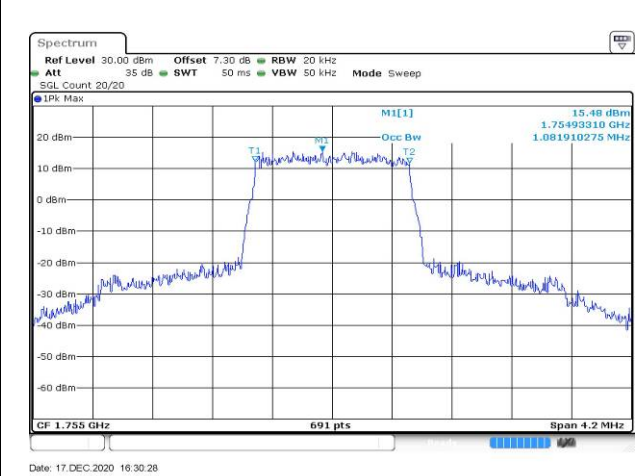


Fig.4

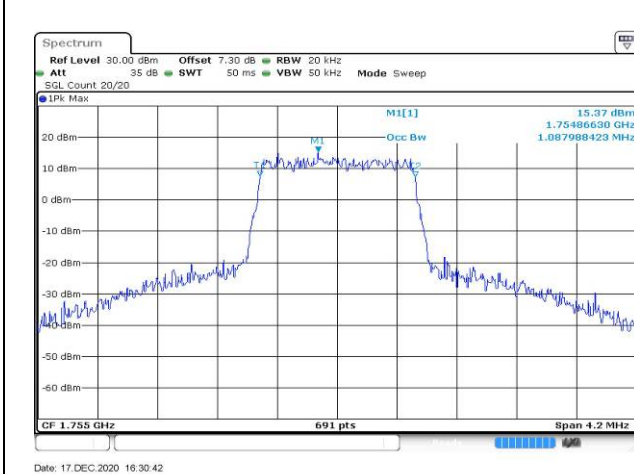


Fig.5

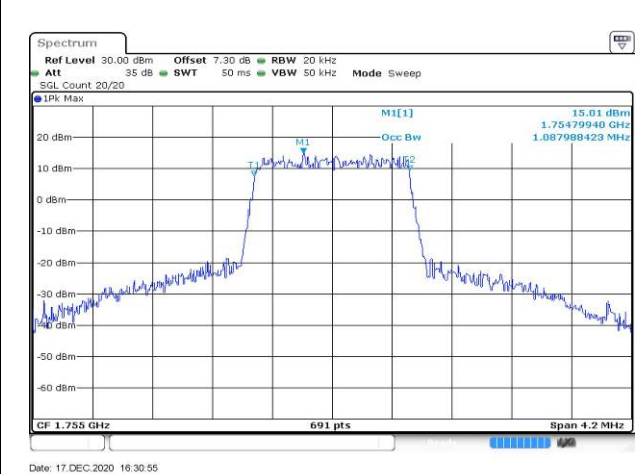
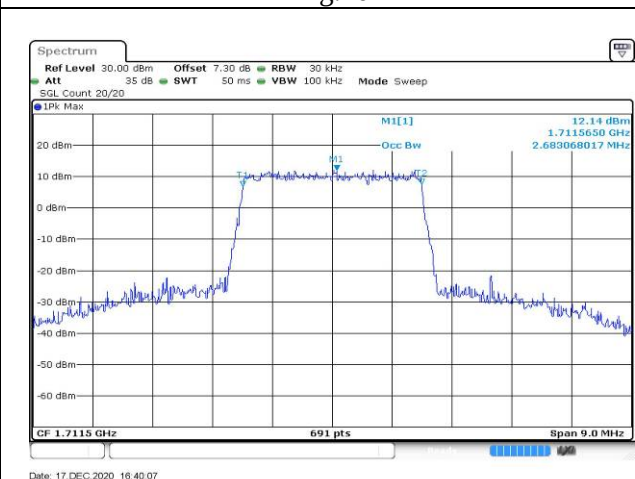
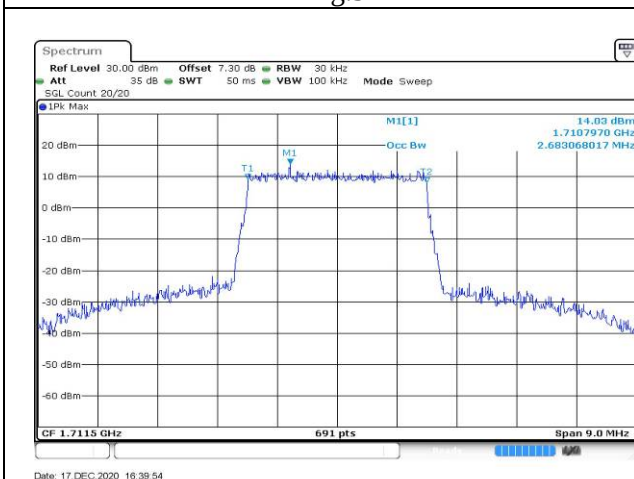
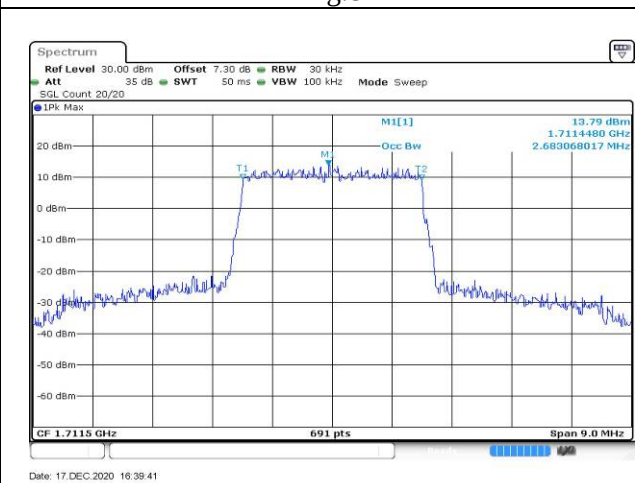
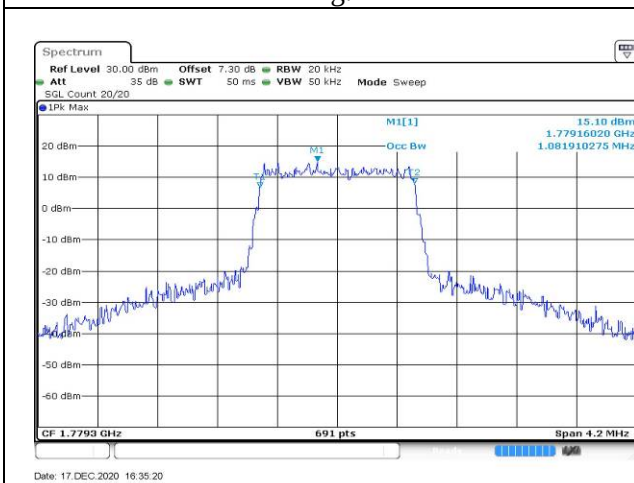
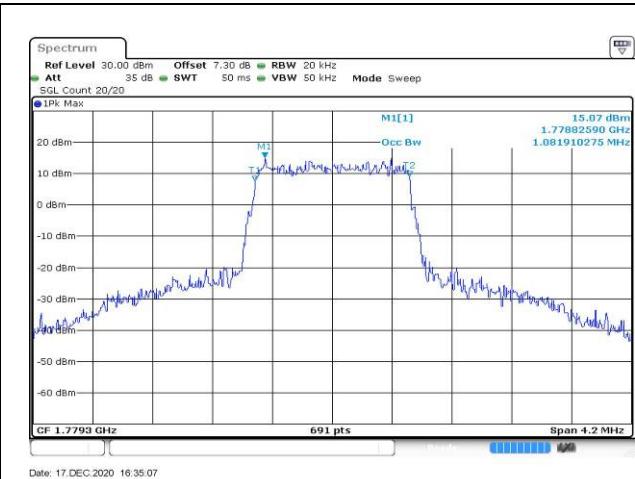
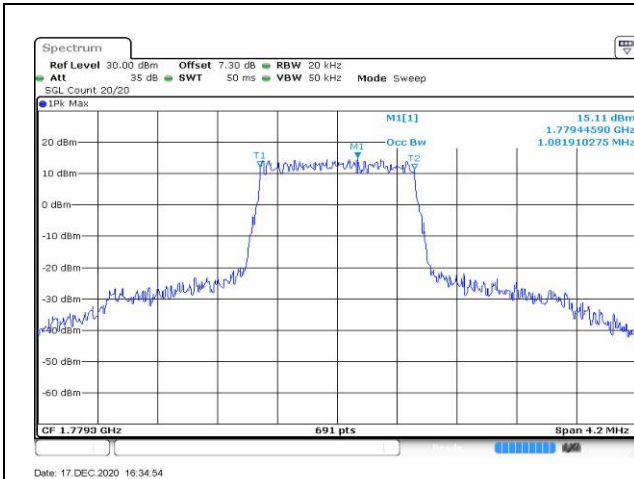
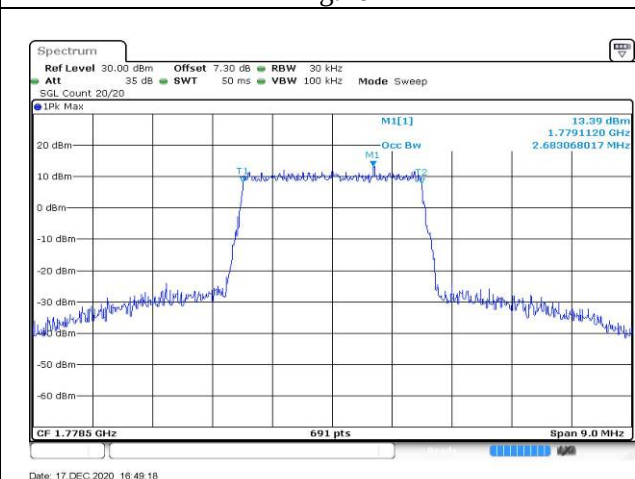
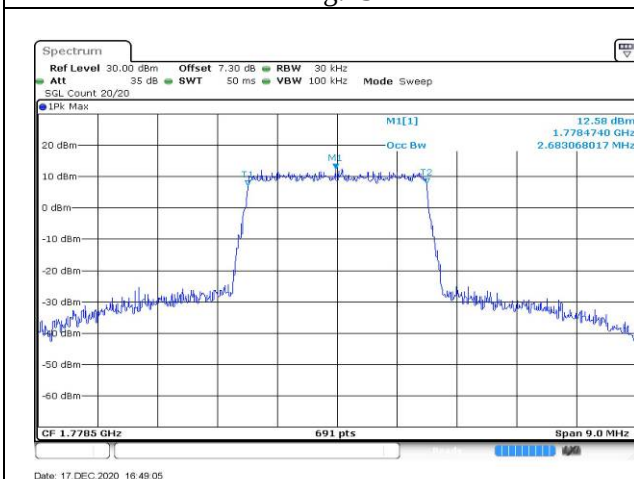
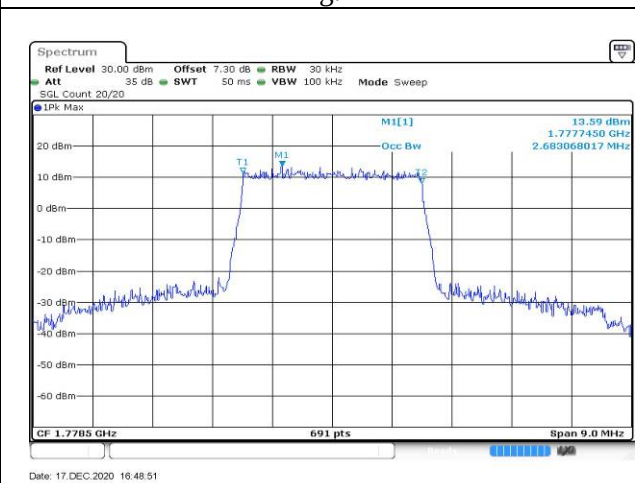
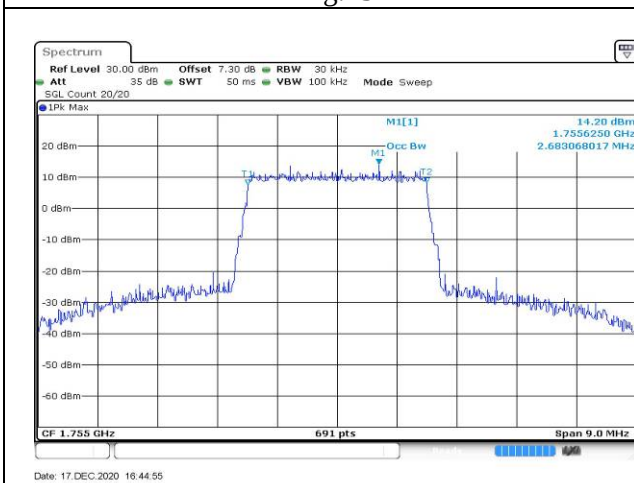
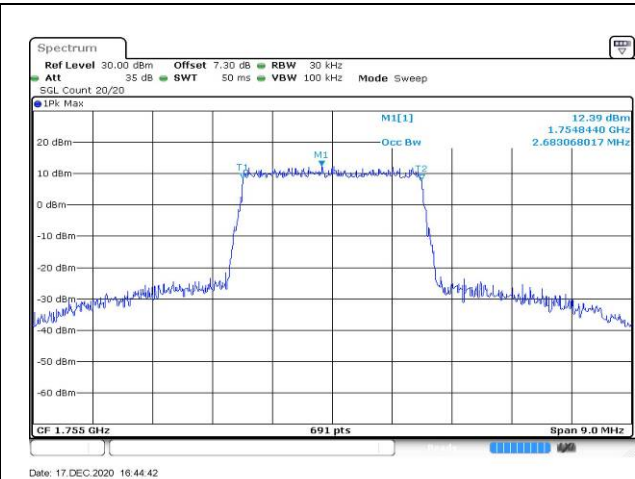
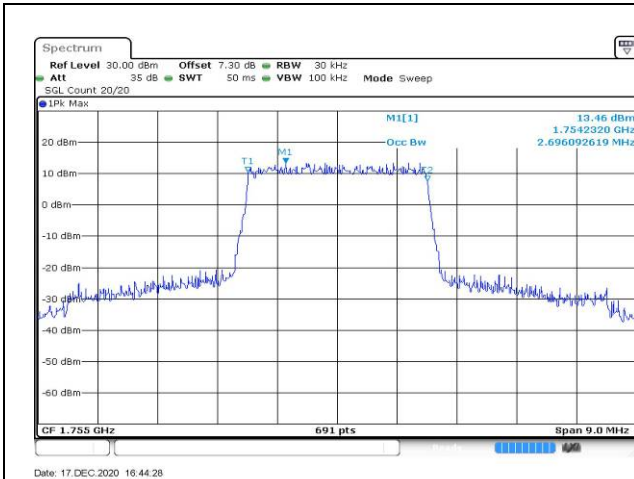


Fig.6





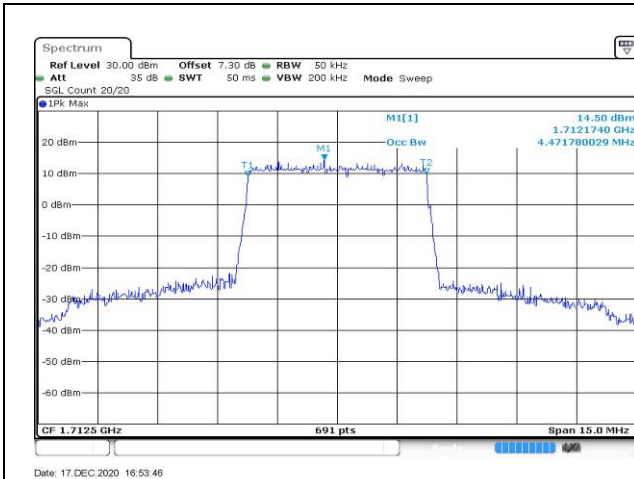


Fig.19

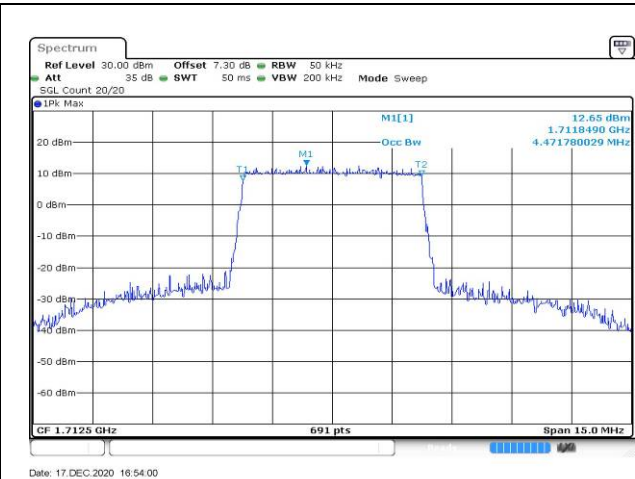


Fig.20

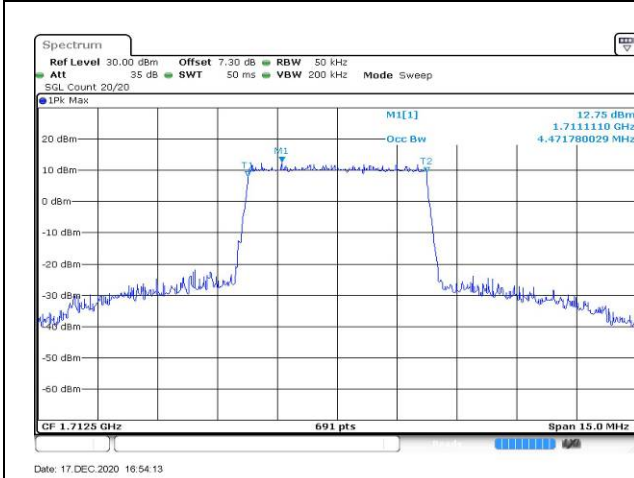


Fig.21

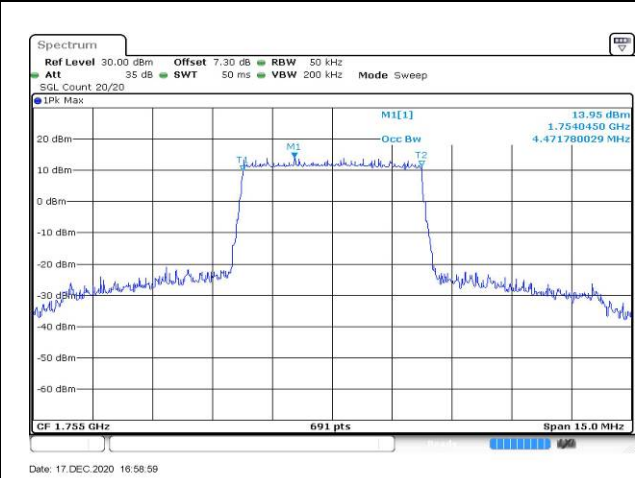


Fig.22

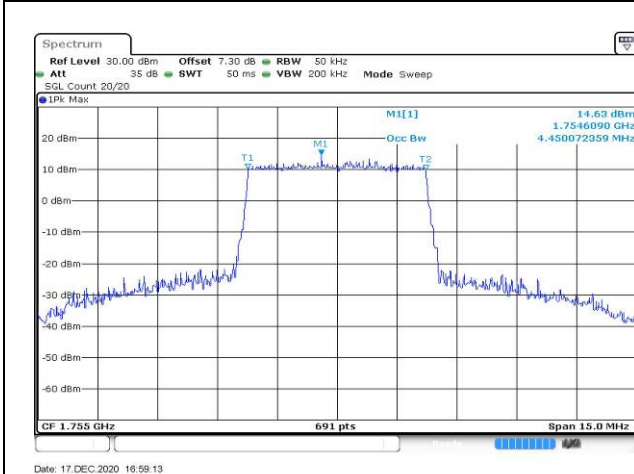


Fig.23

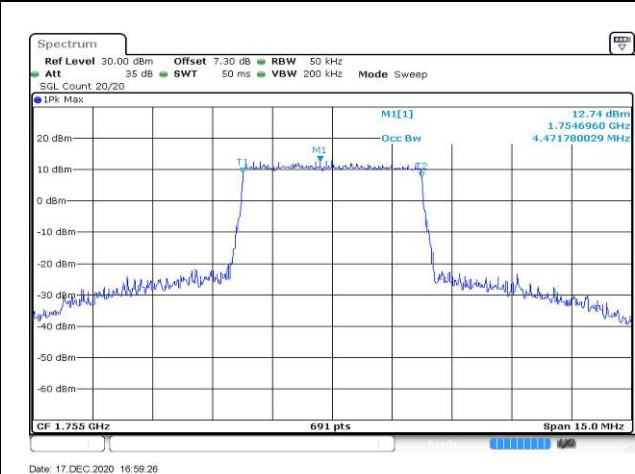
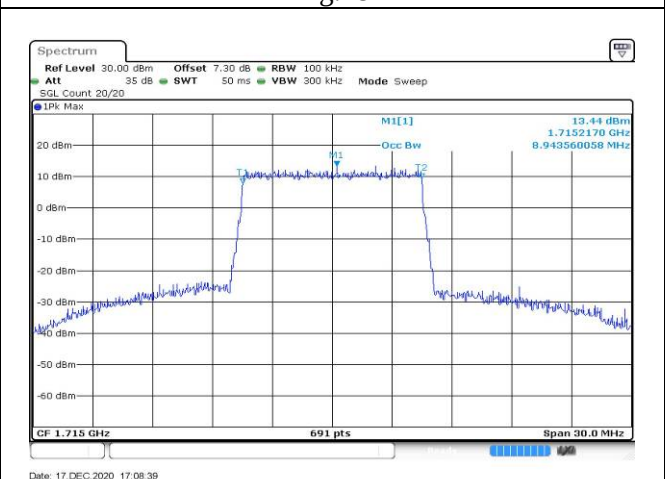
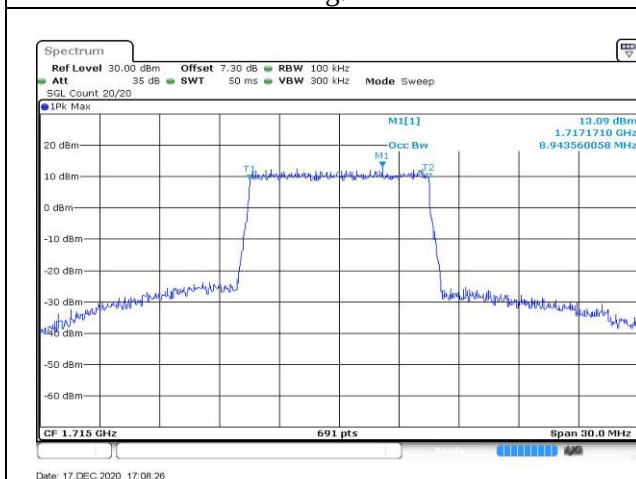
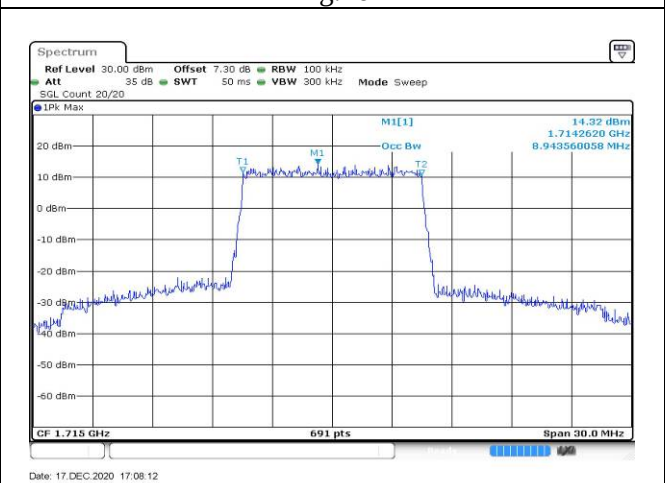
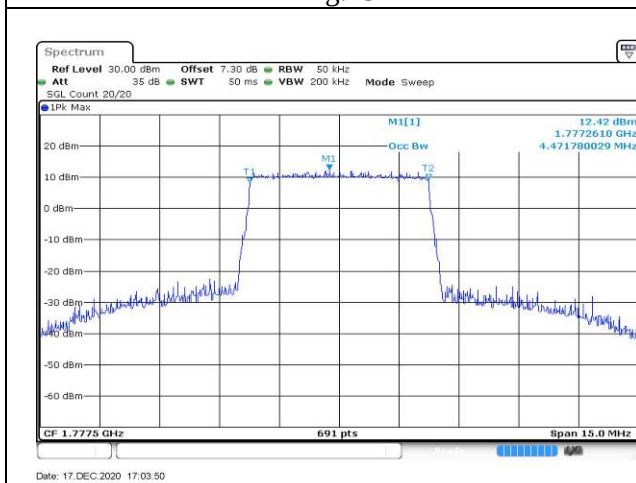
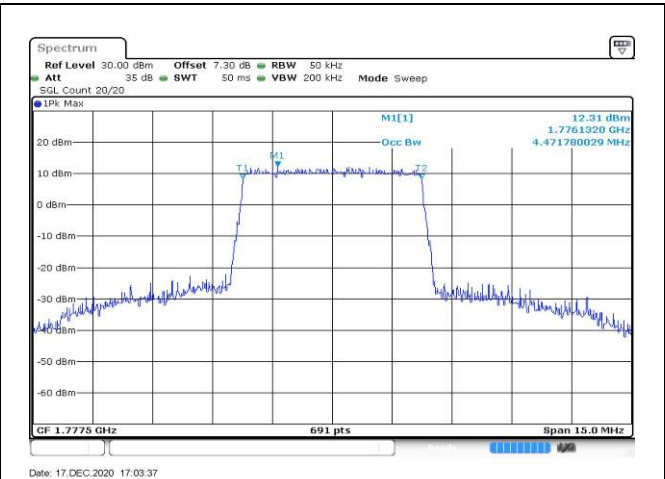
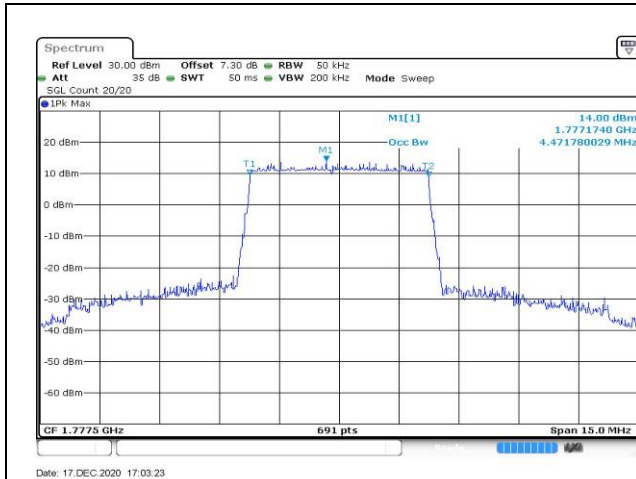


Fig.24



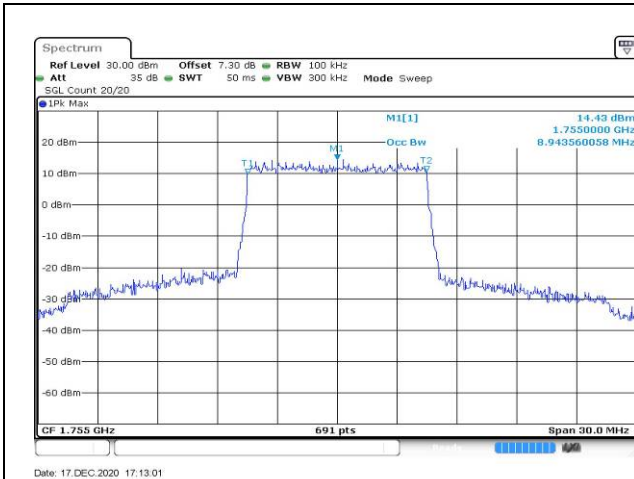


Fig.31

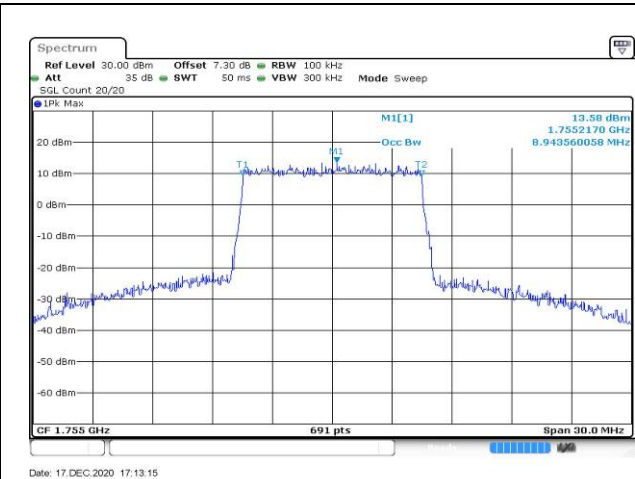


Fig.32

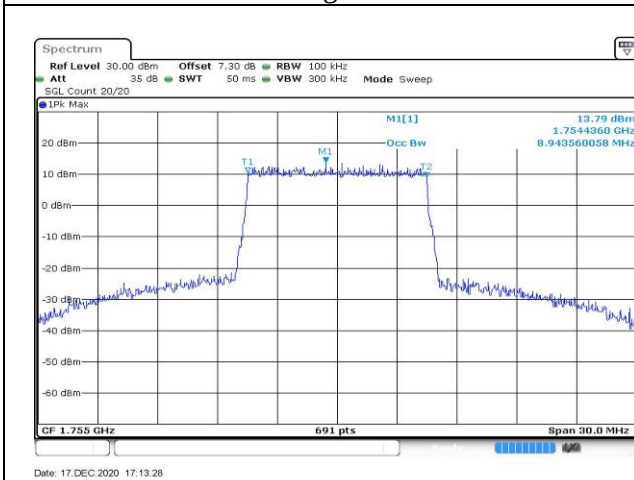


Fig.33

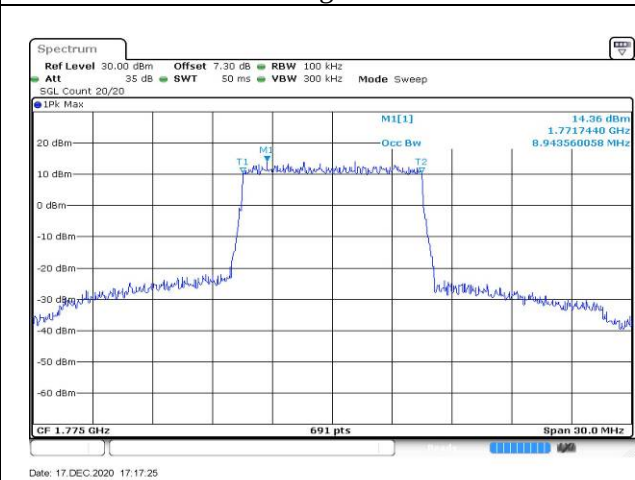


Fig.34

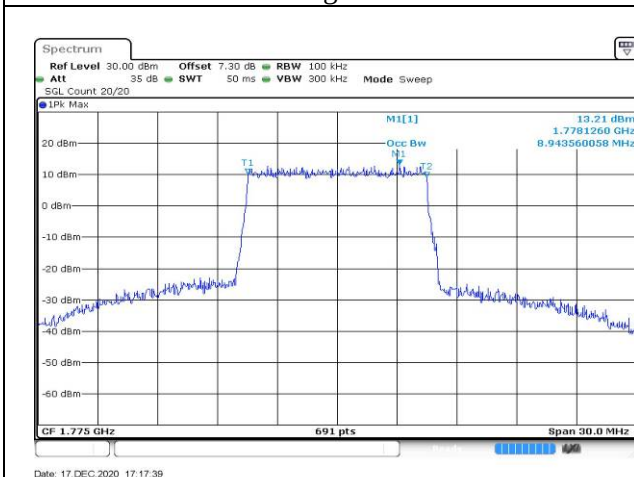


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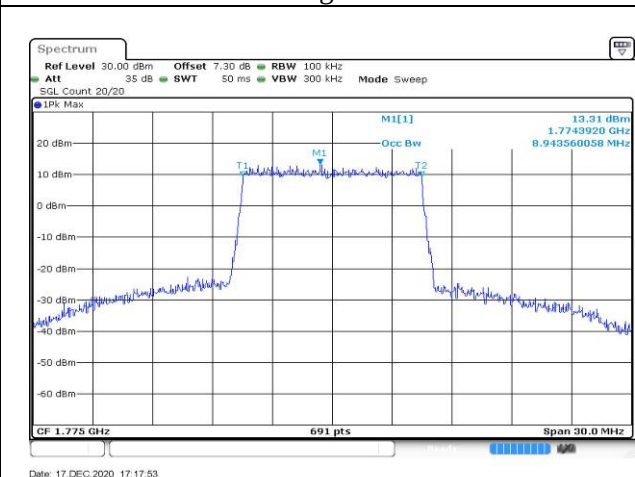
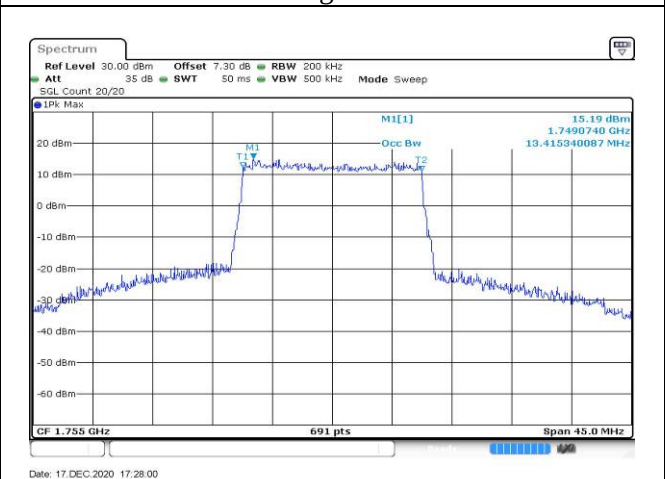
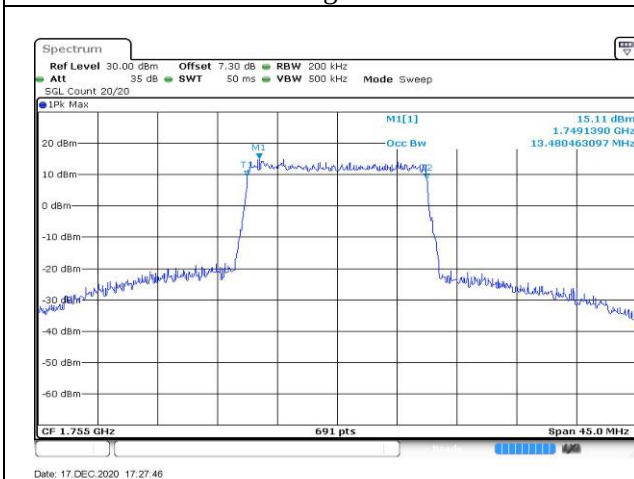
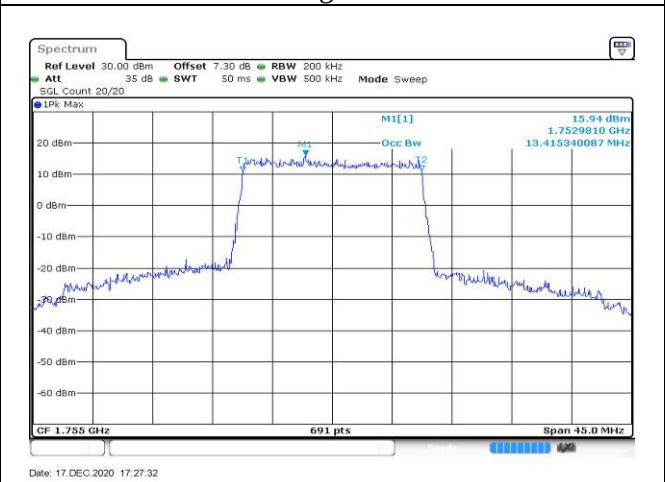
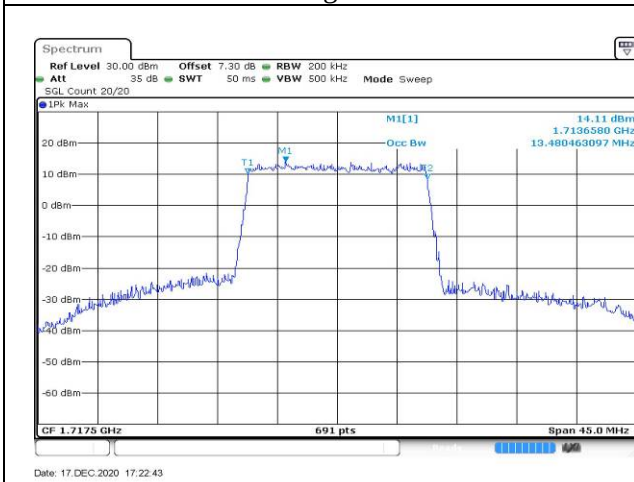
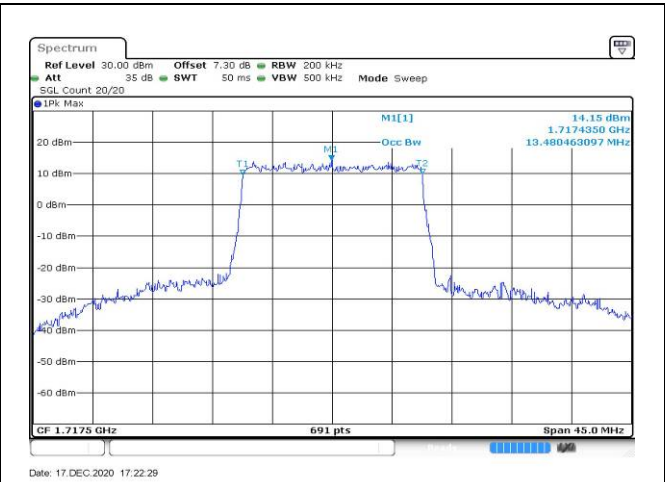
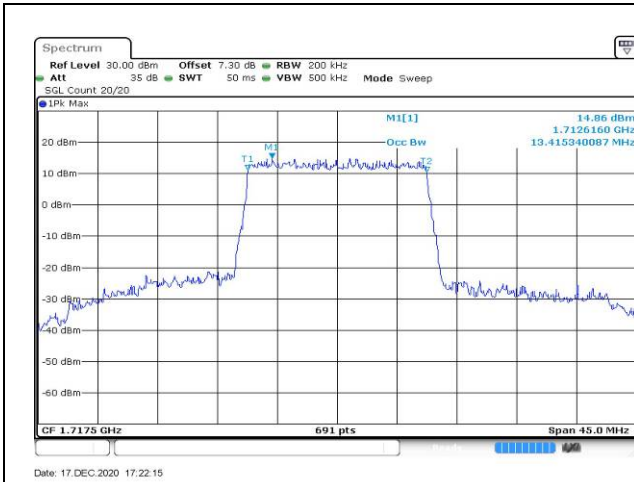


Fig.36



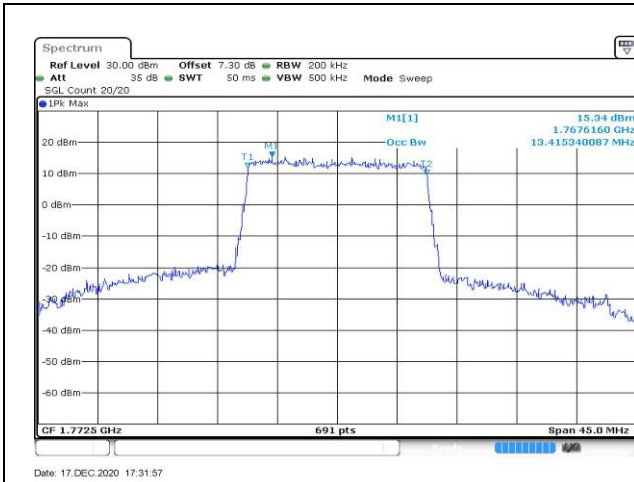


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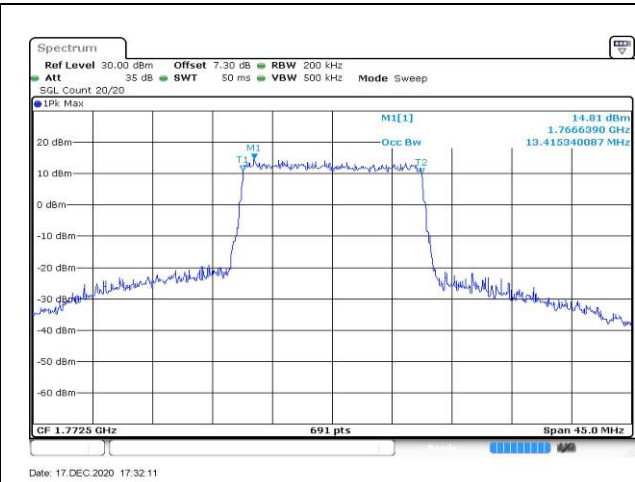


Fig.44

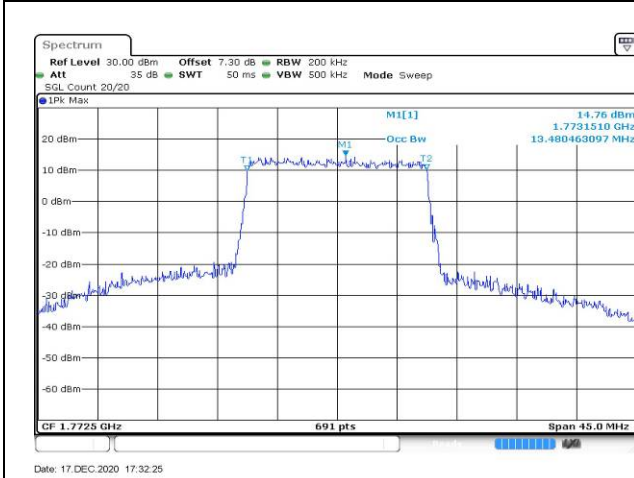


Fig.45

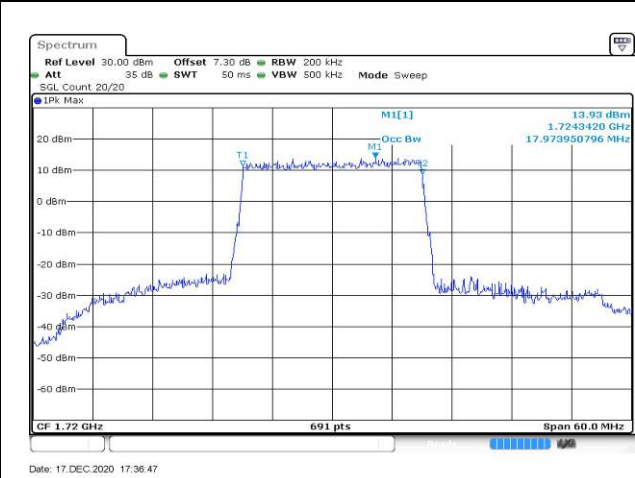


Fig.46

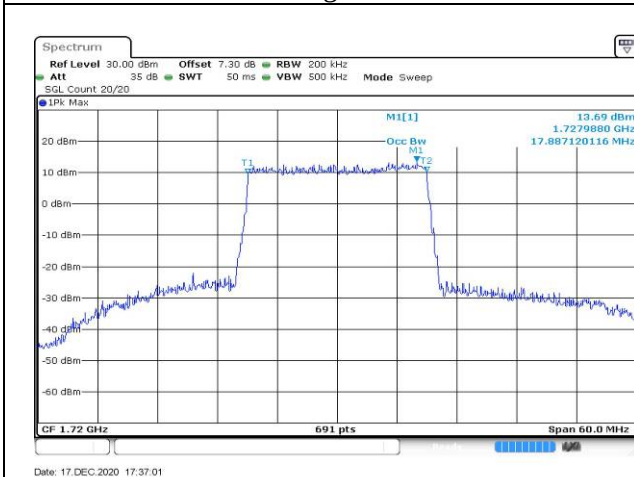


Fig.47

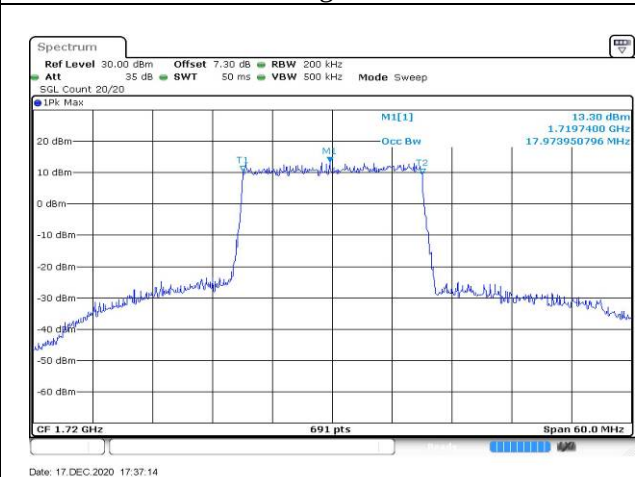
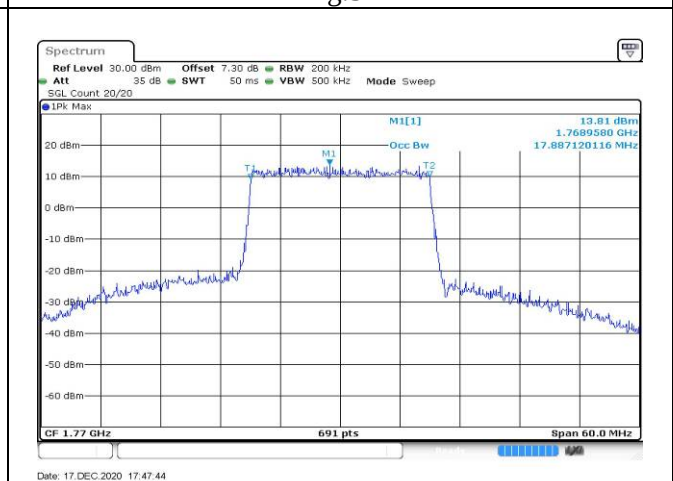
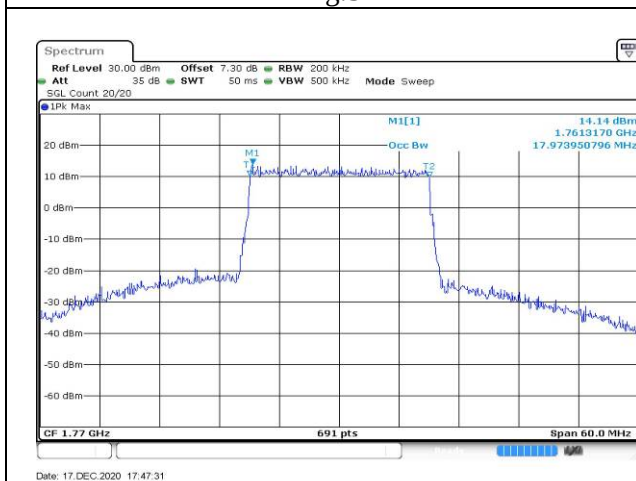
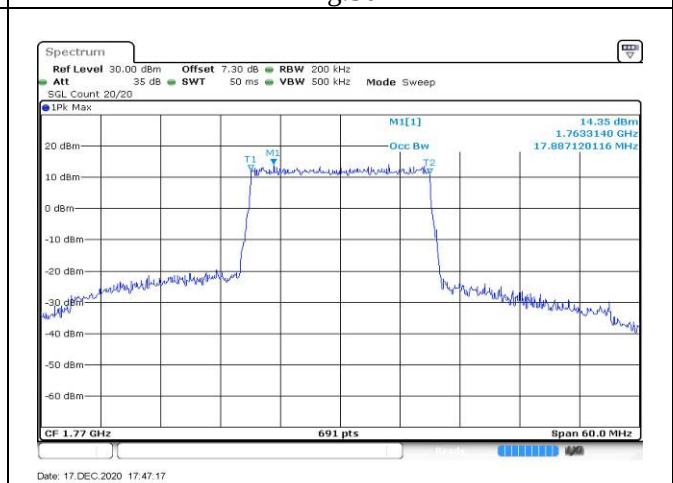
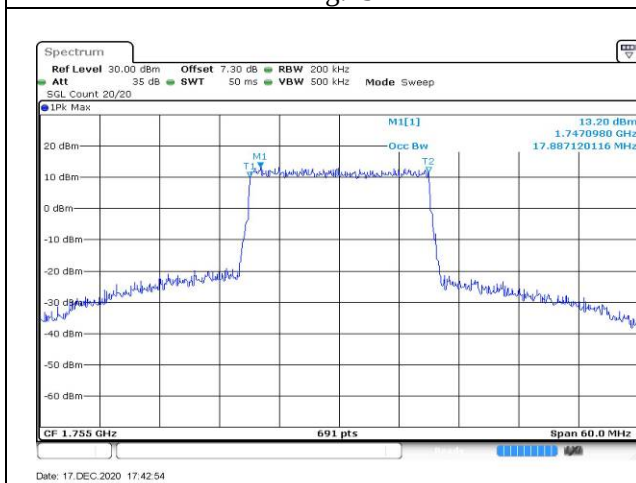
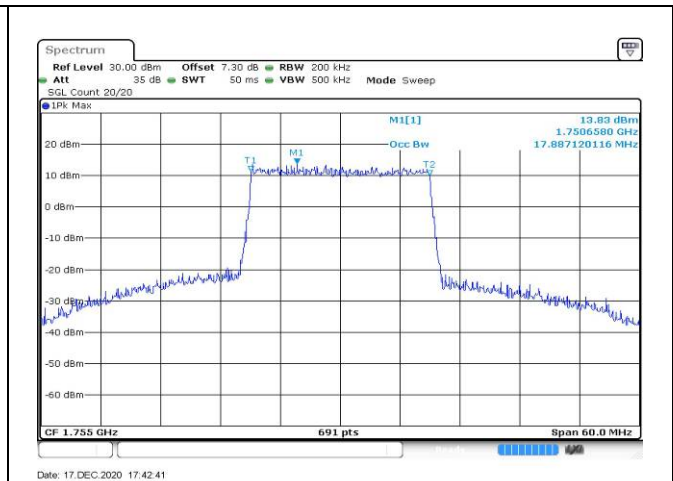
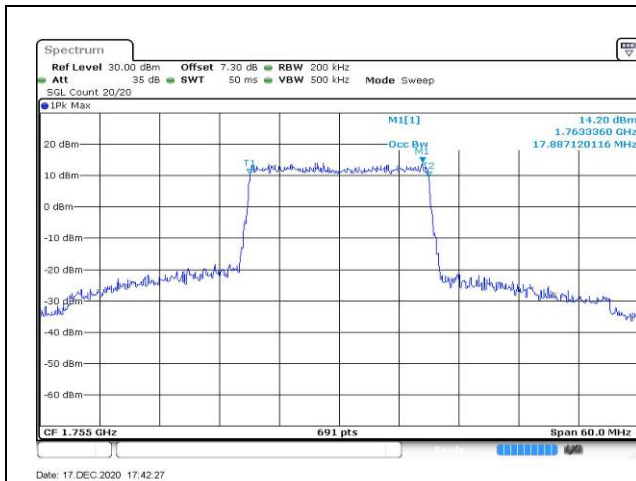


Fig.48



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	1.228	Fig.1	1.222	Fig.2	1.216	Fig.3
	1755	132422		6	0	1.234	Fig.4	1.228	Fig.5	1.222	Fig.6
	1779.3	132665		6	0	1.234	Fig.7	1.222	Fig.8	1.228	Fig.9
	1711.5	131987	3	15	0	2.970	Fig.10	2.983	Fig.11	2.983	Fig.12
	1755	132422		15	0	2.970	Fig.13	3.022	Fig.14	2.970	Fig.15
	1778.5	132657		15	0	2.983	Fig.16	3.009	Fig.17	2.983	Fig.18
	1712.5	131997	5	25	0	4.884	Fig.19	4.906	Fig.20	4.906	Fig.21
	1755	132422		25	0	4.906	Fig.22	4.906	Fig.23	4.906	Fig.24
	1777.5	132647		25	0	4.884	Fig.25	4.884	Fig.26	4.906	Fig.27
	1715	132022	10	50	0	9.725	Fig.28	9.768	Fig.29	9.768	Fig.30
	1755	132422		50	0	9.725	Fig.31	9.725	Fig.32	9.725	Fig.33
	1775	132622		50	0	9.725	Fig.34	9.682	Fig.35	9.768	Fig.36
	1717.5	132047	15	75	0	14.848	Fig.37	14.522	Fig.38	14.848	Fig.39
	1755	132422		75	0	14.718	Fig.40	14.783	Fig.41	14.718	Fig.42
	1772.5	132597		75	0	14.653	Fig.43	14.718	Fig.44	14.718	Fig.45
	1720	132072	20	100	0	19.363	Fig.46	19.276	Fig.47	19.450	Fig.48
	1755	132422		100	0	19.537	Fig.49	19.363	Fig.50	19.450	Fig.51
	1770	132572		100	0	19.450	Fig.52	19.363	Fig.53	19.363	Fig.54

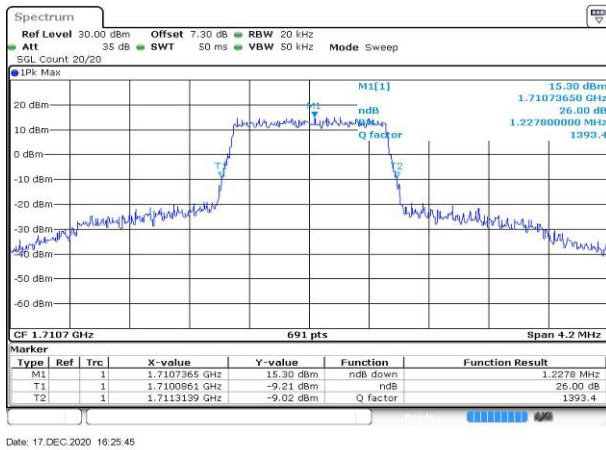


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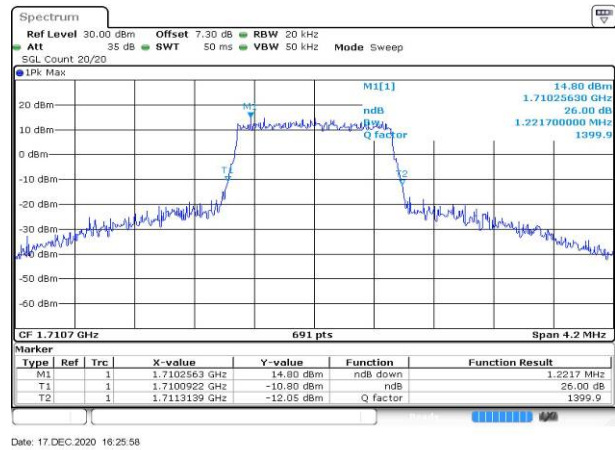


Fig.2

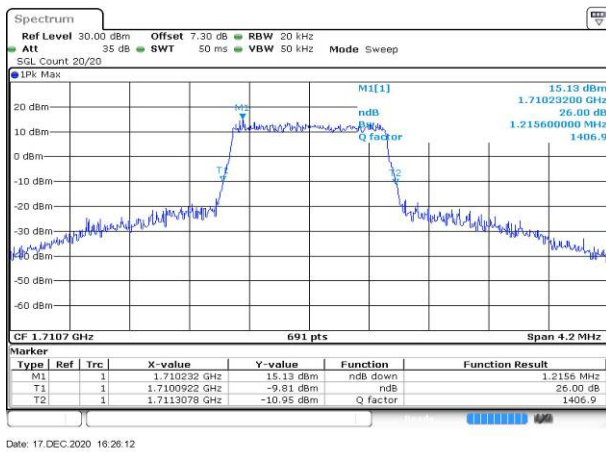


Fig.3

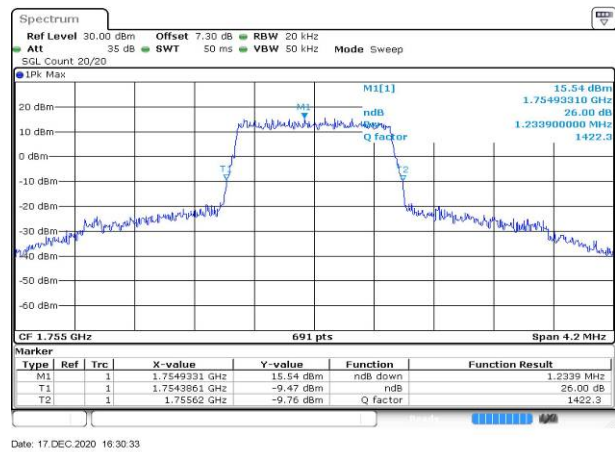


Fig.4

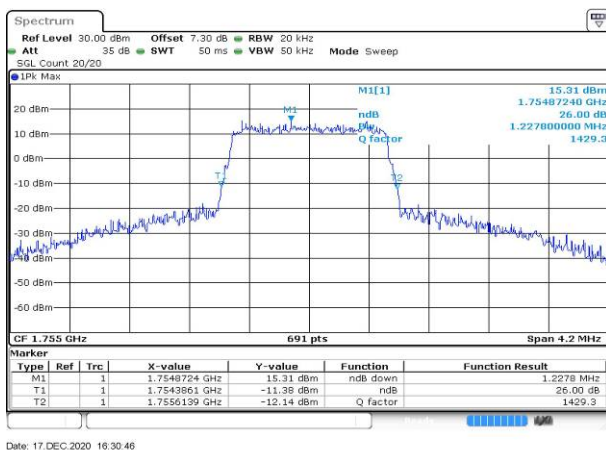


Fig.5

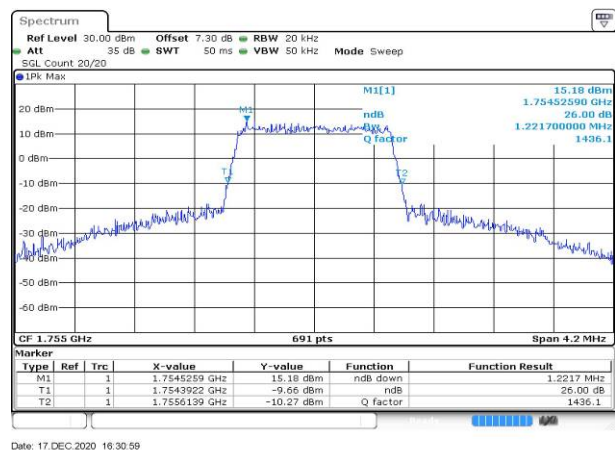


Fig.6

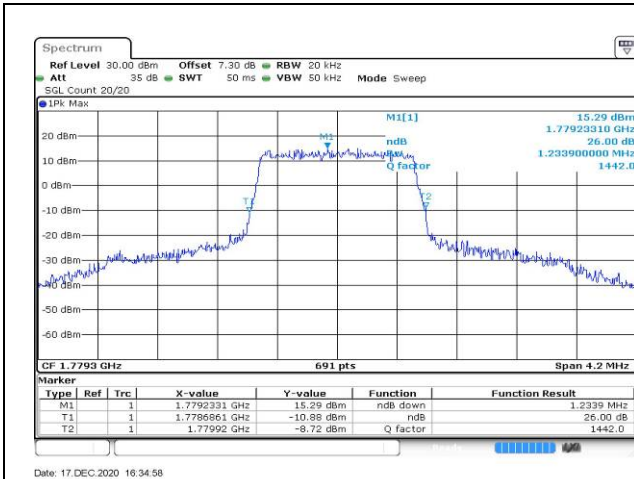


Fig.7

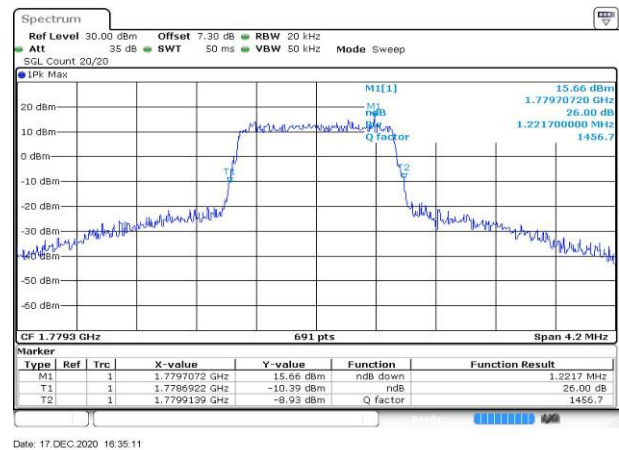


Fig.8

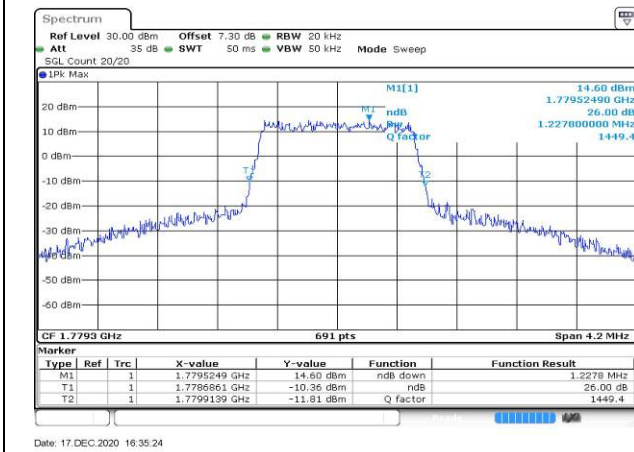


Fig.9

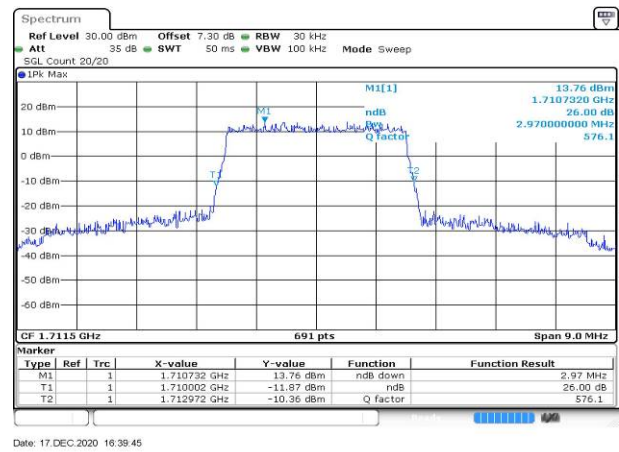


Fig.10

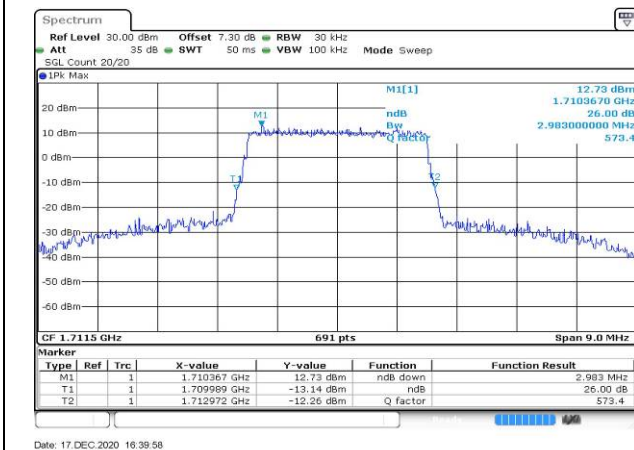


Fig.11

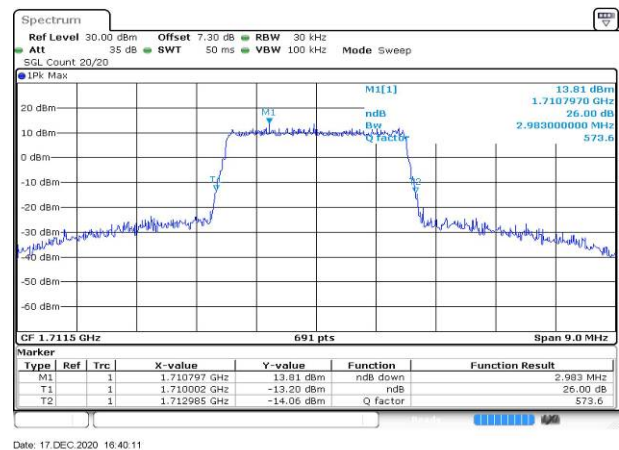


Fig.12

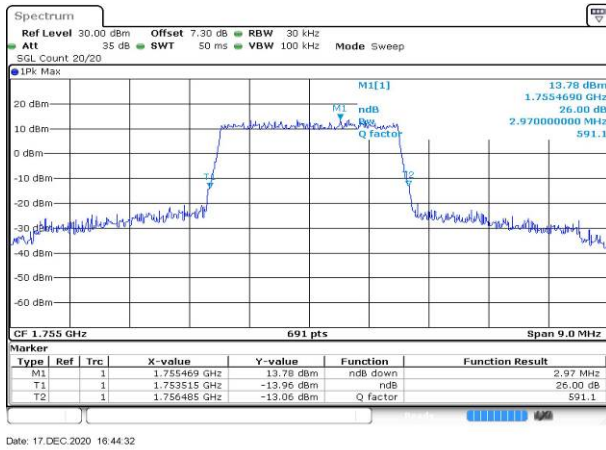


Fig.13

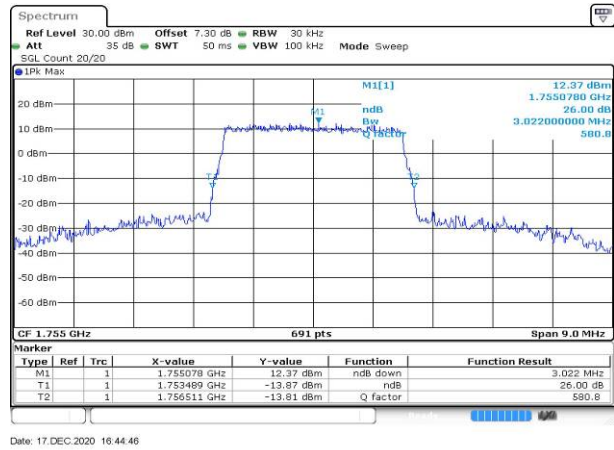


Fig.14

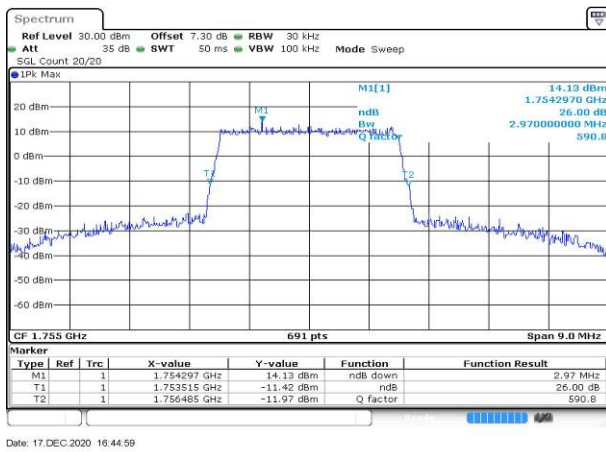


Fig.15

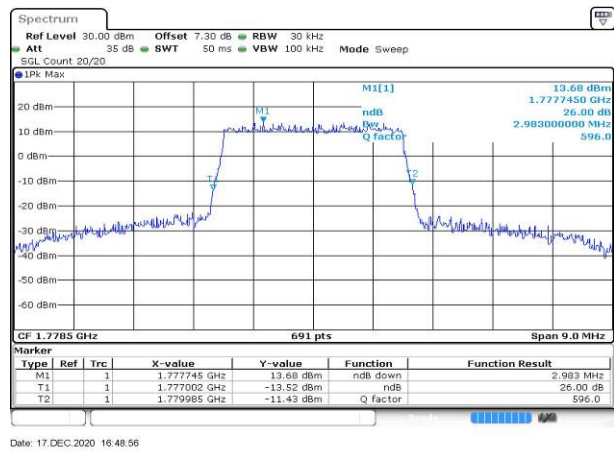


Fig.16

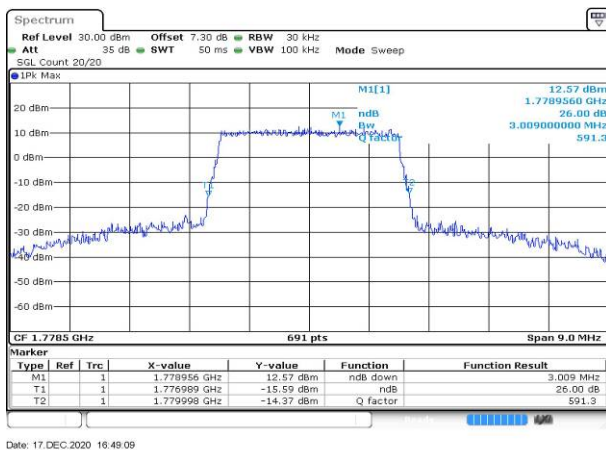


Fig.17

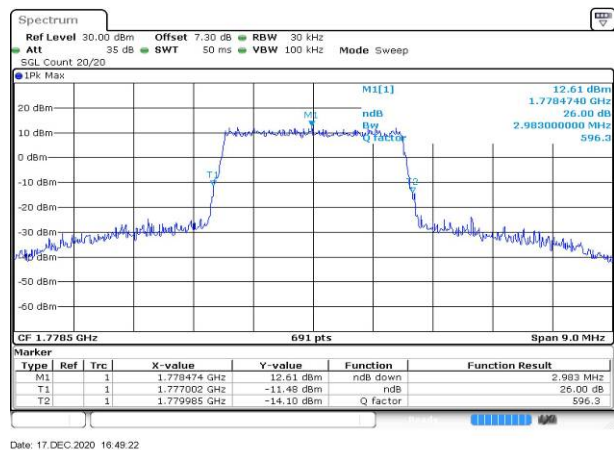


Fig.18

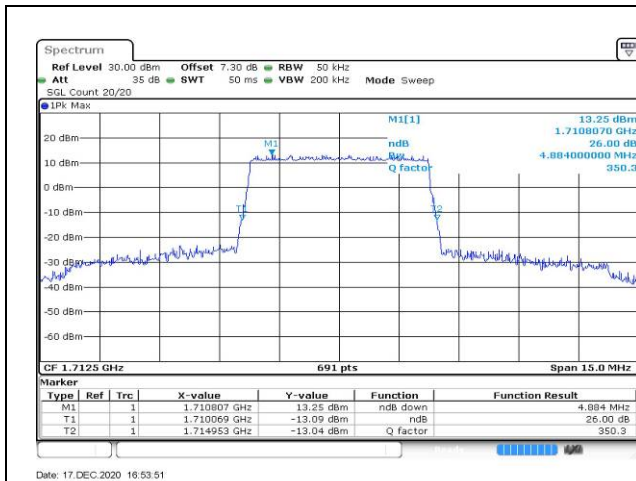


Fig.19

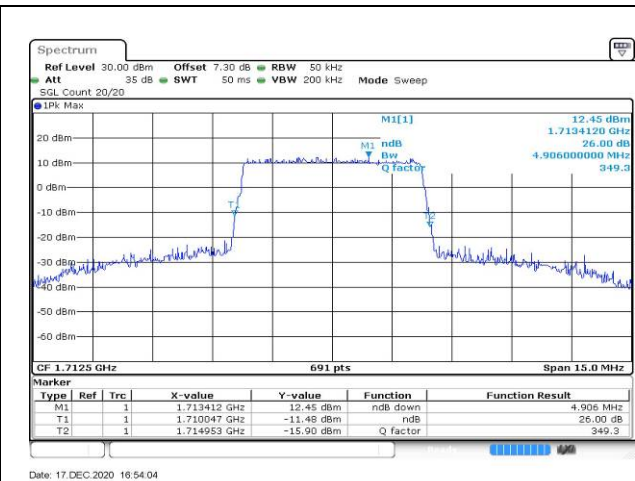


Fig.20

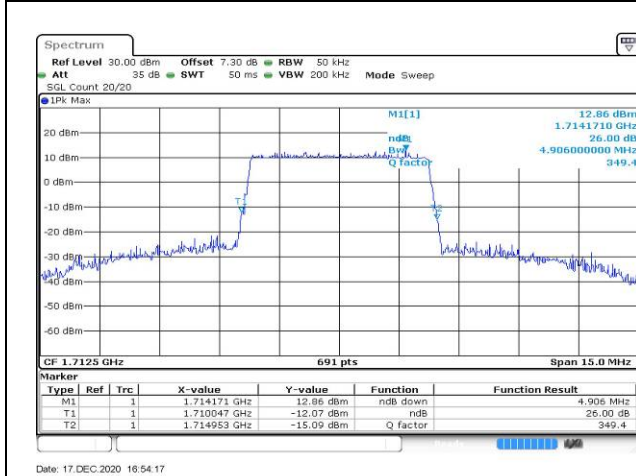


Fig.21

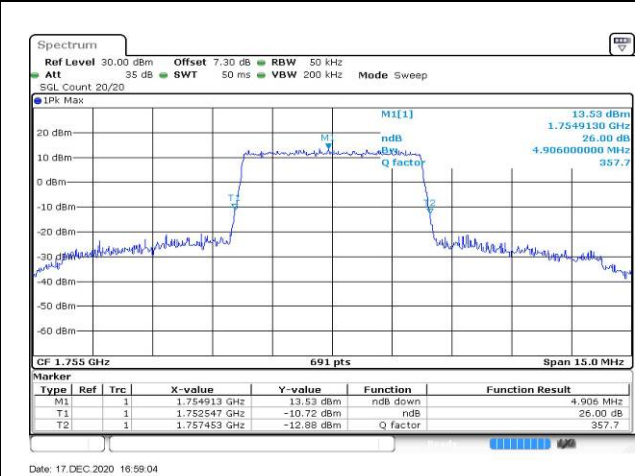


Fig.22

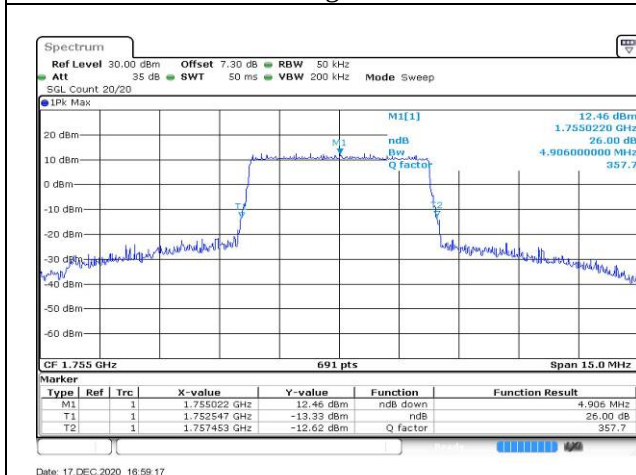


Fig.23

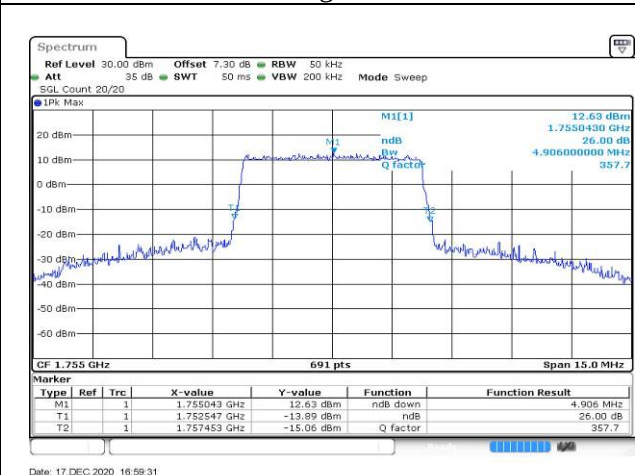


Fig.24

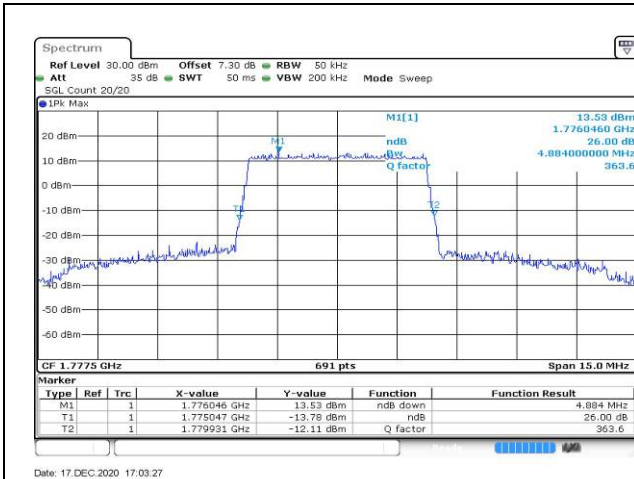


Fig.25

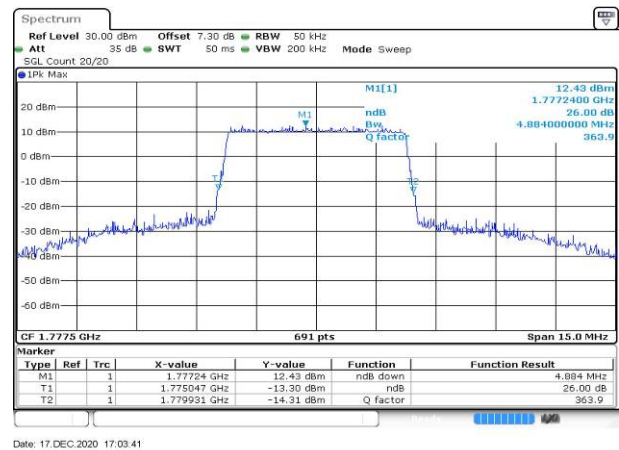


Fig.26

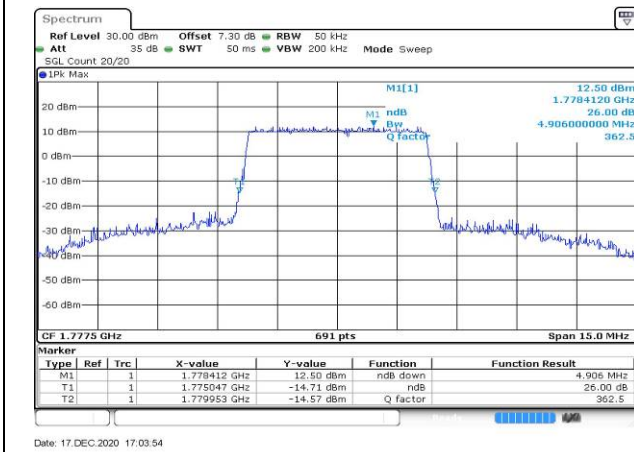


Fig.27

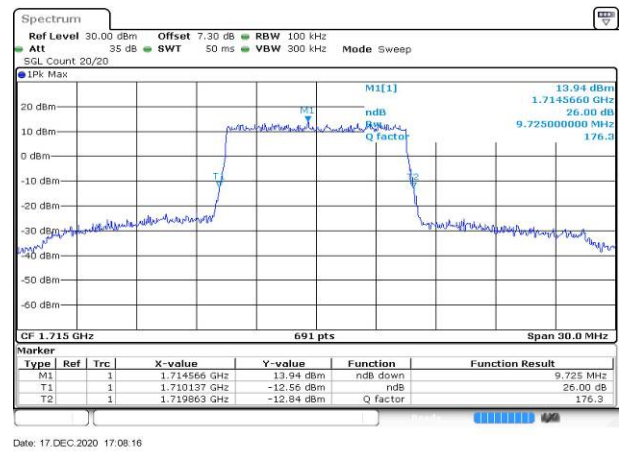


Fig.28

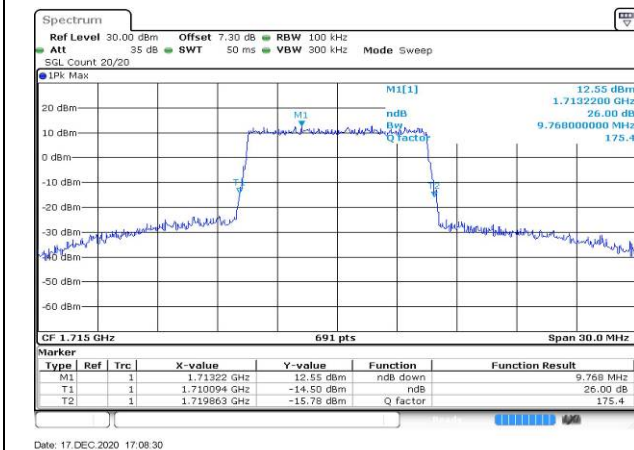


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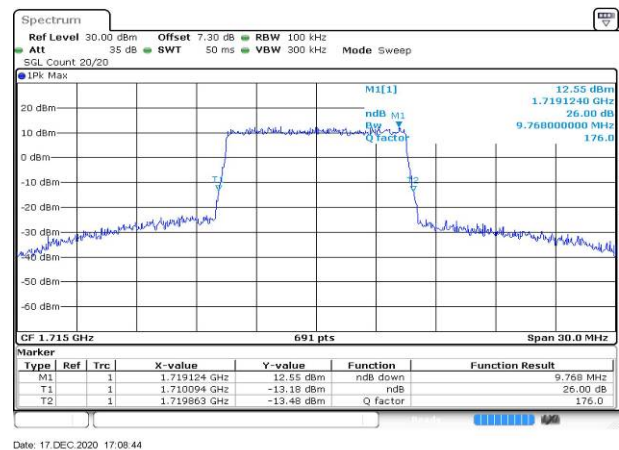


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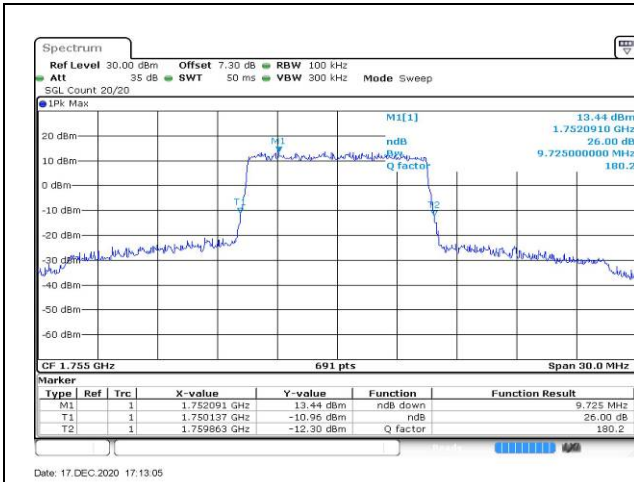


Fig.31

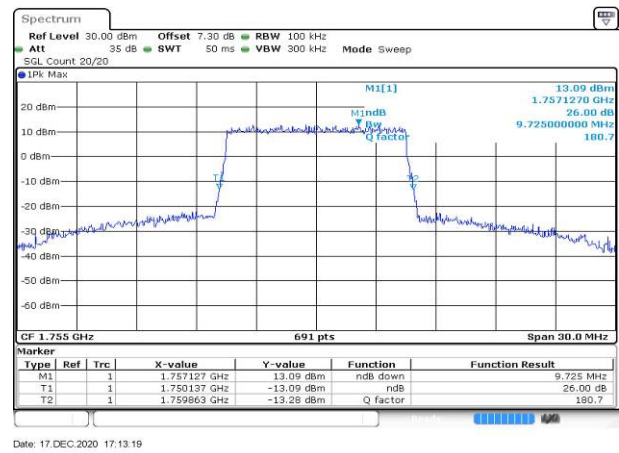


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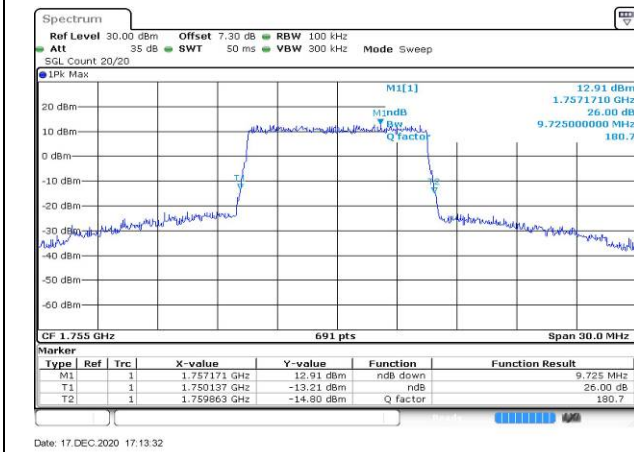


Fig.33

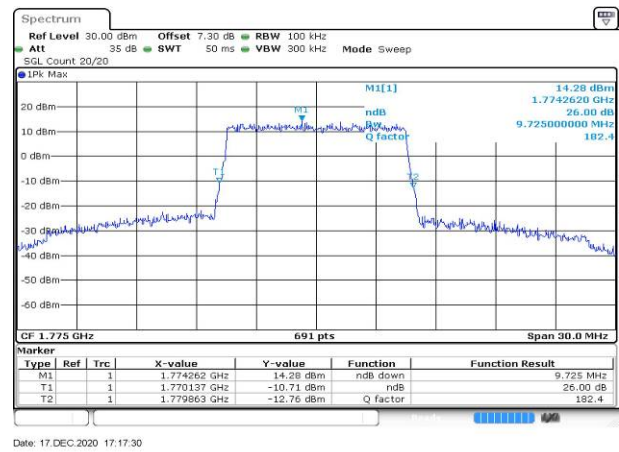


Fig.34

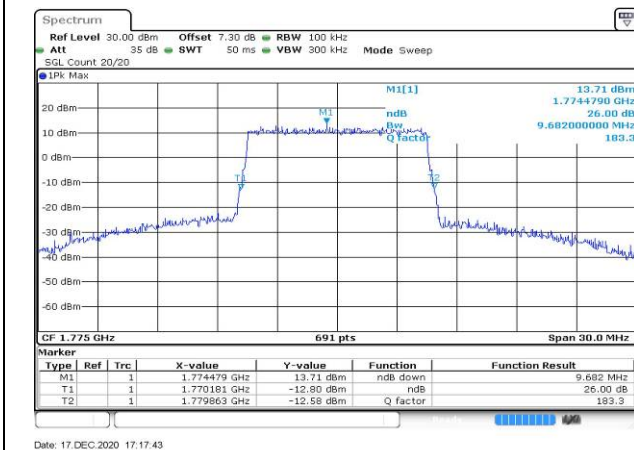


Fig.35

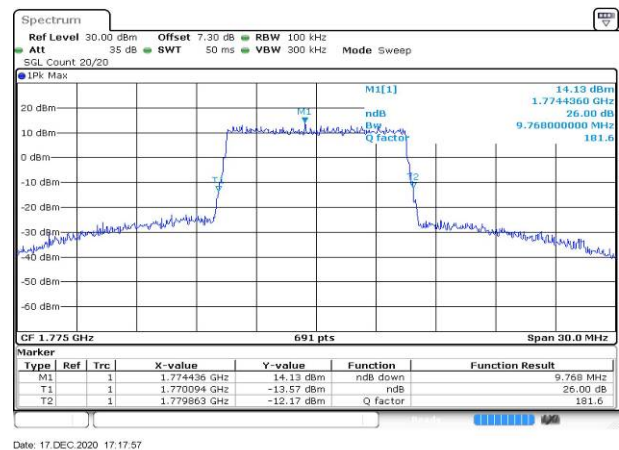


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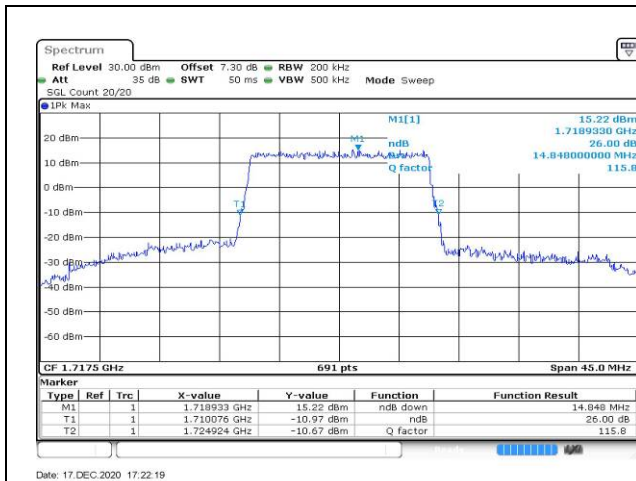


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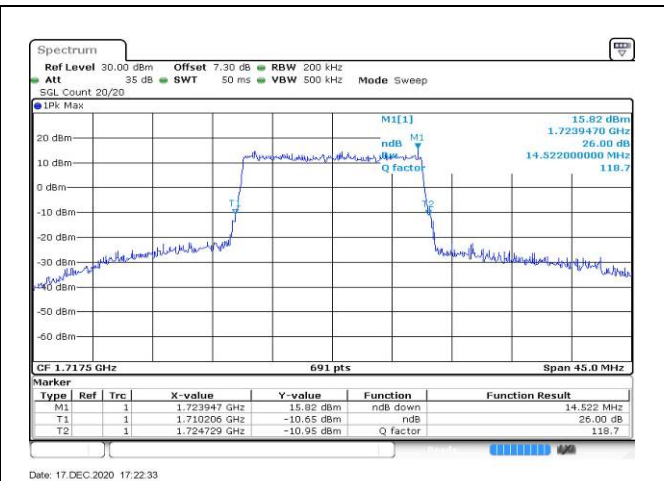


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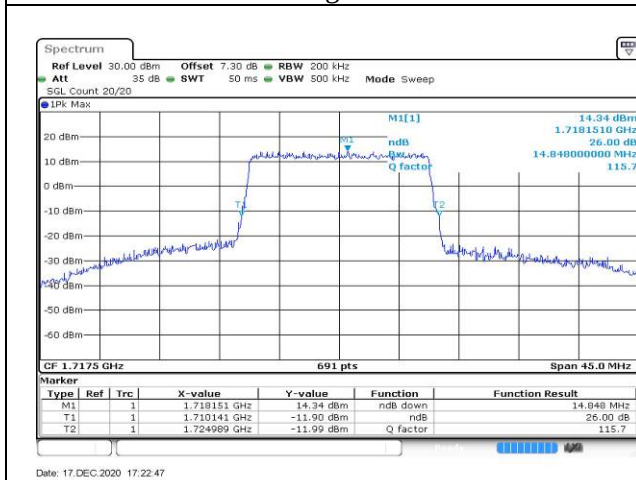


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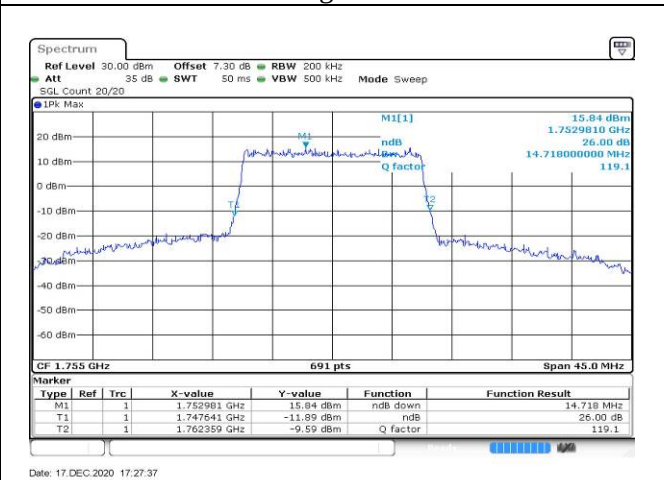


Fig.40

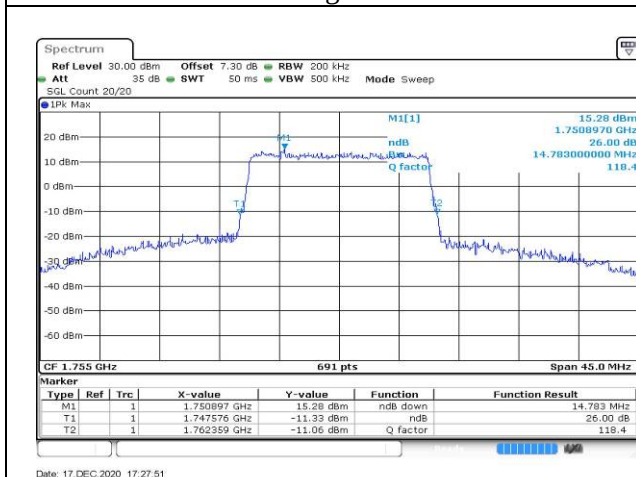


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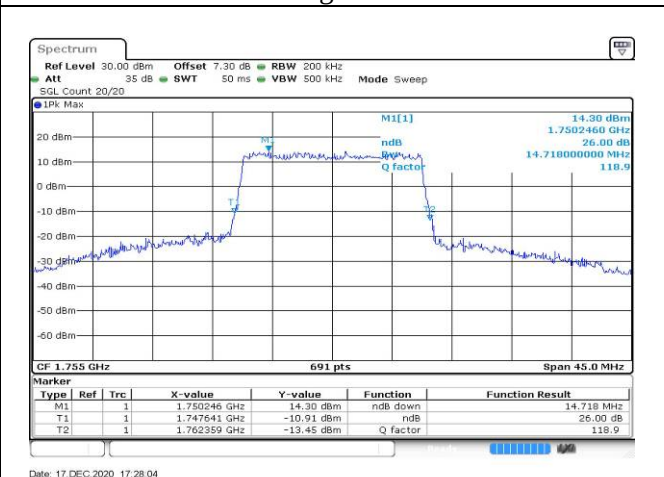


Fig.42

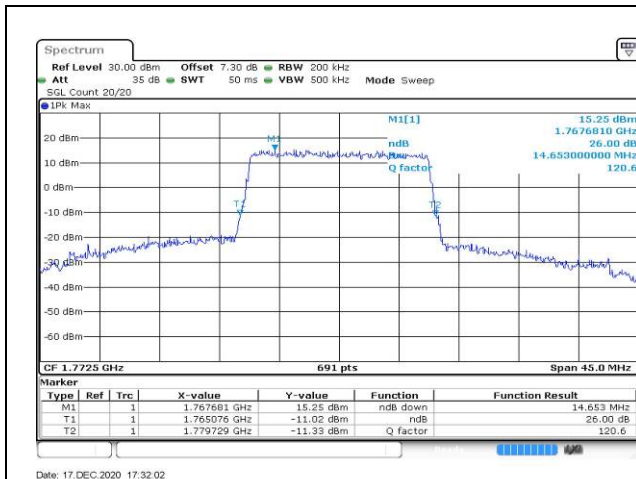


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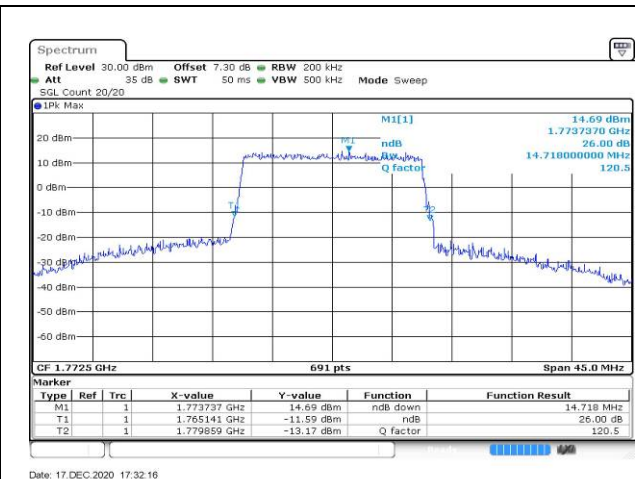


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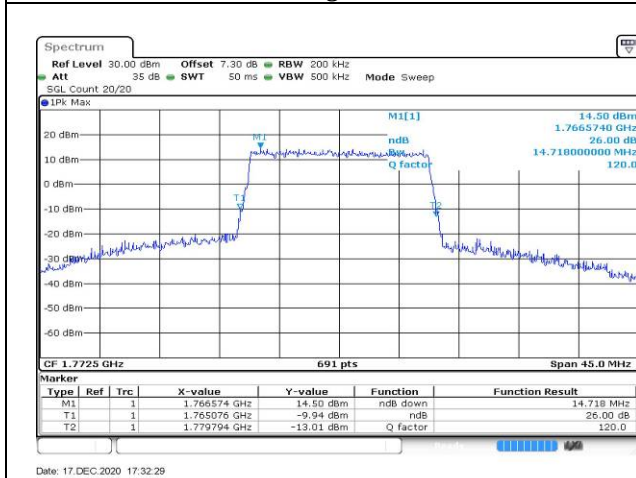


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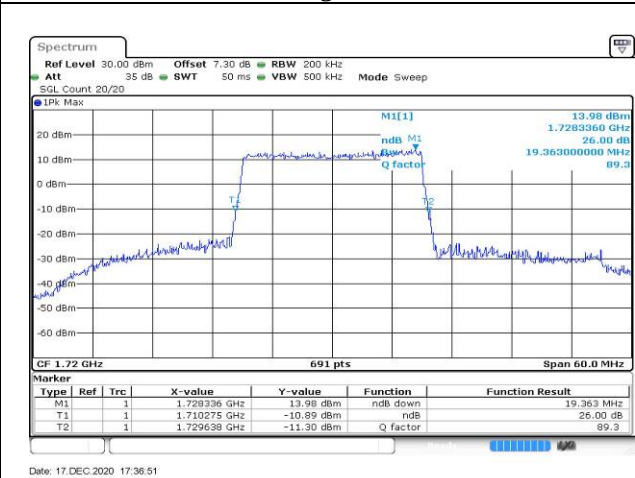


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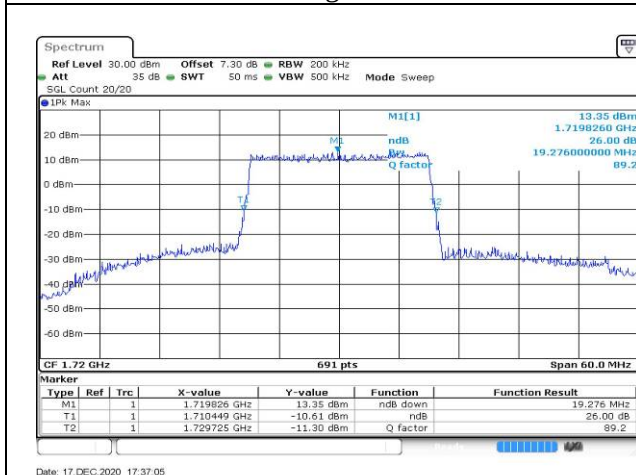


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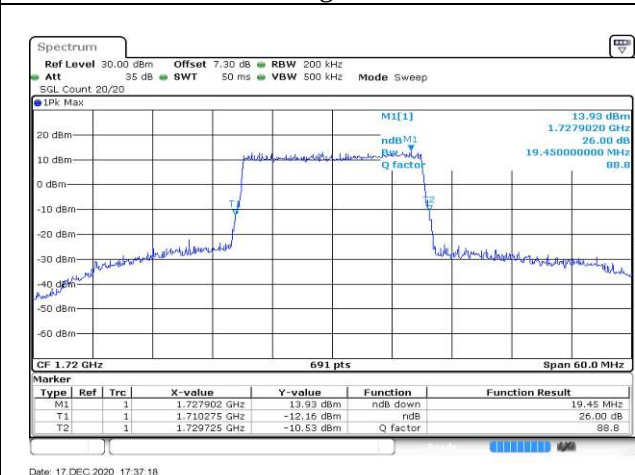


Fig.48