

**APPENDIX A – TEST DATA OF CONDUCTED EMISSION**

**LTE Band 66**

**1 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
	1779.3	132665		6	0	23.15
				1	0	24.07
				1	3	24.05
				1	5	24.07
				3	0	24.21
3			1	24.21		
16QAM	1710.7	131979	3	3	24.19	
			6	0	23.12	
			1	0	23.82	
			1	3	23.91	
			1	5	23.90	
			3	0	22.91	
	1755	132422	3	1	22.93	
			3	3	23.06	
			6	0	22.16	
			1	0	23.31	
			1	3	23.35	
			1	5	23.41	
	1779.3	132665	3	0	23.18	
			3	1	23.23	
			3	3	23.17	
			6	0	22.48	
			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		
16QAM	1711.5	131987	15	0	23.03	
			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		
	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		
	1	0		24.10		
	1	12		24.08		
	1	24		24.01		
	16QAM	1712.5		131997	12	0
12			7		23.05	
12			13		23.04	
25			0		23.08	
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			
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			
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		
	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		
	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			
	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			
	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
	1755	132422		75	0	22.94
				1	0	24.08
				1	37	24.26
				1	74	24.21
				36	0	23.12
				36	29	23.07
	1772.5	132597		36	30	23.06
				75	0	23.08
				1	0	24.15
				1	37	23.95
				1	74	23.99
				36	0	23.15
16QAM	1717.5	132047	36	29	23.13	
			36	30	23.11	
			75	0	23.08	
			1	0	23.35	
			1	37	23.18	
			1	74	23.17	
	1755	132422	36	0	22.08	
			36	29	22.05	
			36	30	22.05	
			75	0	21.94	
			1	0	23.28	
			1	37	23.40	
	1772.5	132597	1	74	23.39	
			36	0	22.34	
			36	29	22.40	
			36	30	22.40	
			75	0	22.25	
			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	

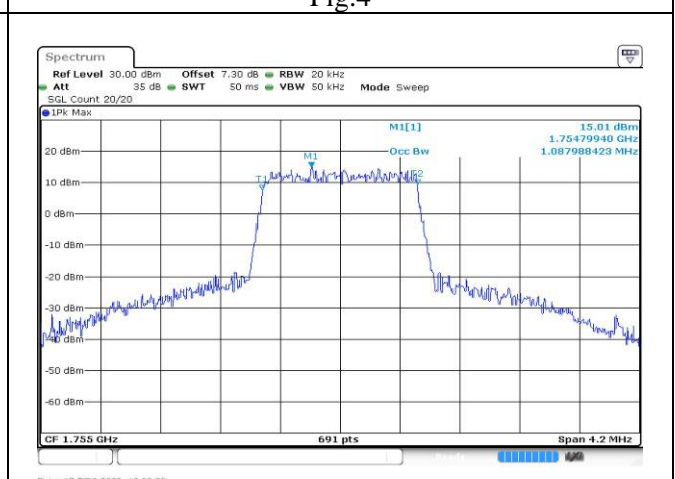
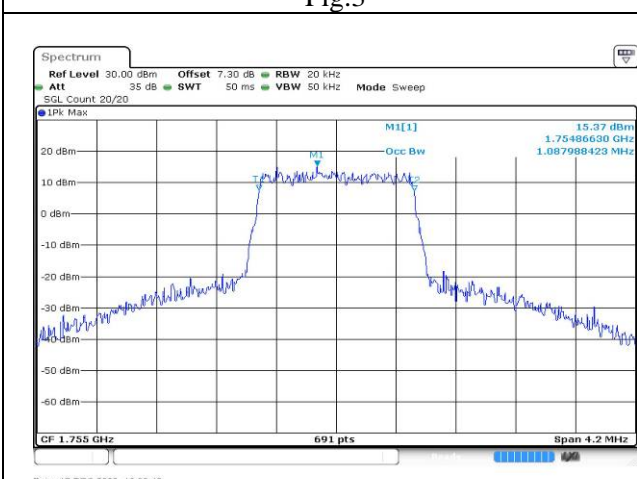
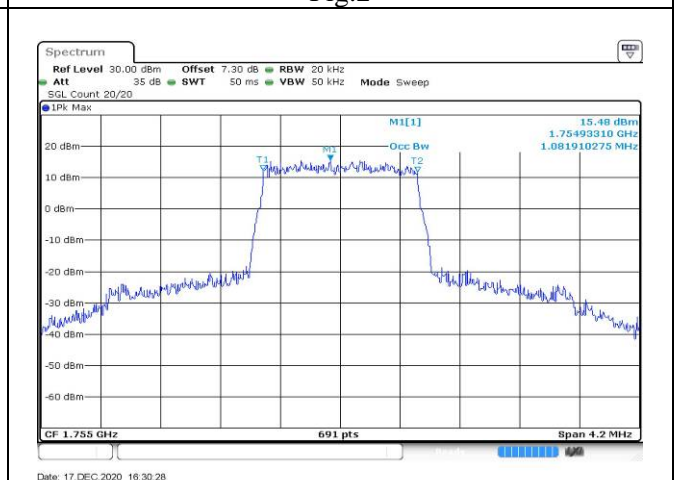
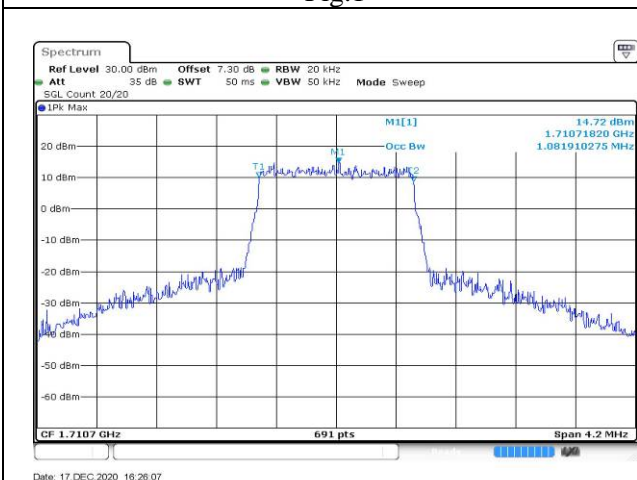
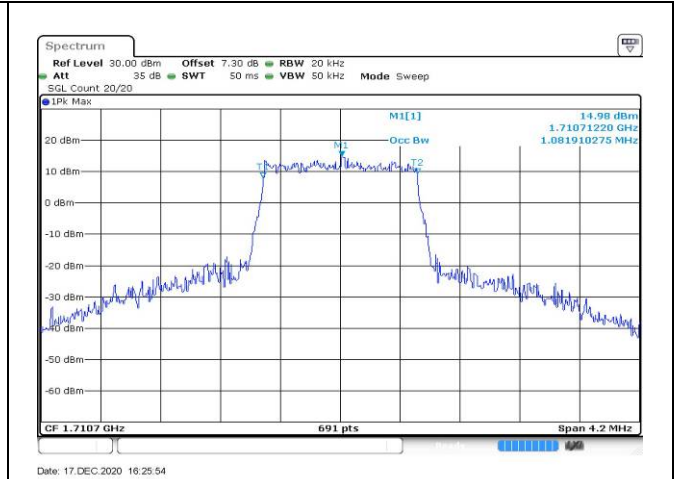
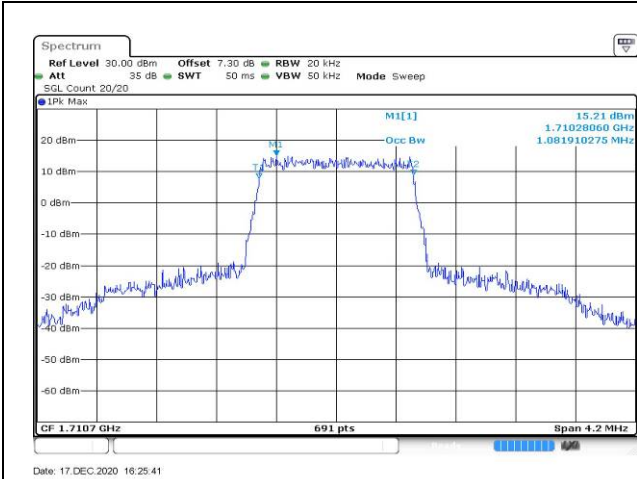
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1717.5	132047	15	1	0	21.93
				1	37	21.93
				1	74	21.93
				36	0	22.04
				36	29	22.03
				36	30	22.03
				75	0	22.03
	1755	132422		1	0	22.26
				1	37	22.26
				1	74	22.26
				36	0	22.26
				36	29	22.26
	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

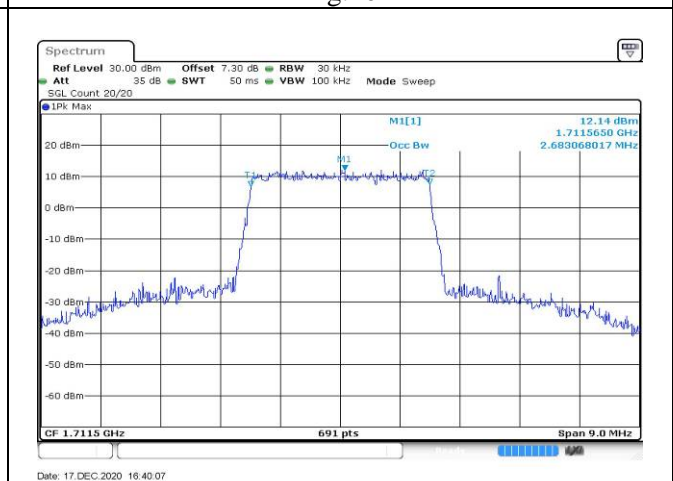
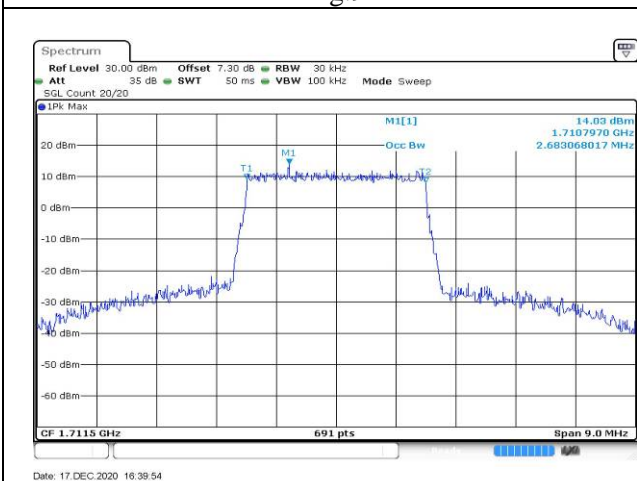
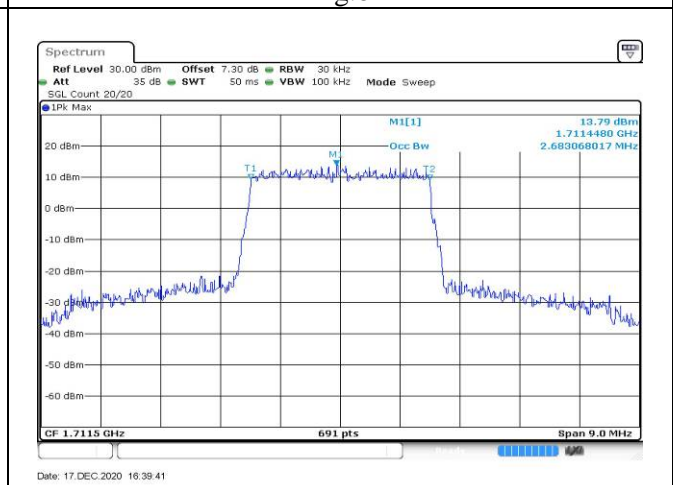
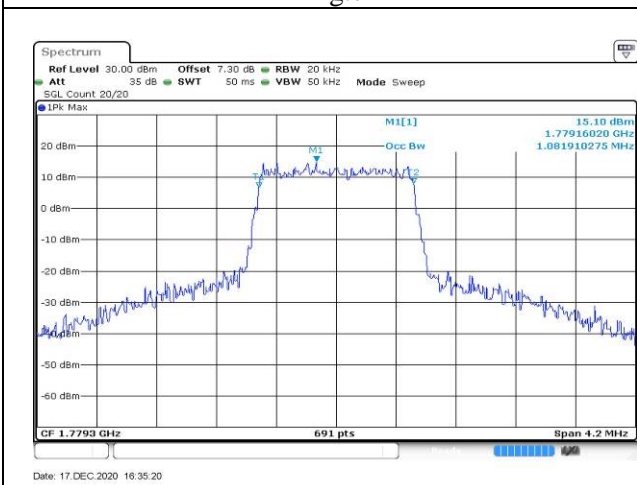
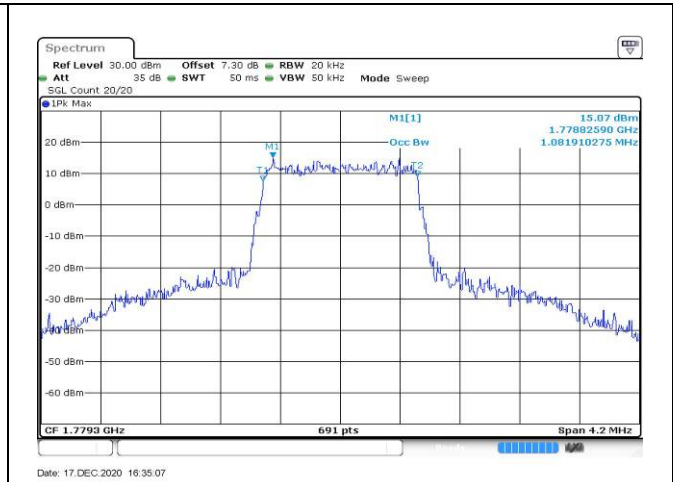
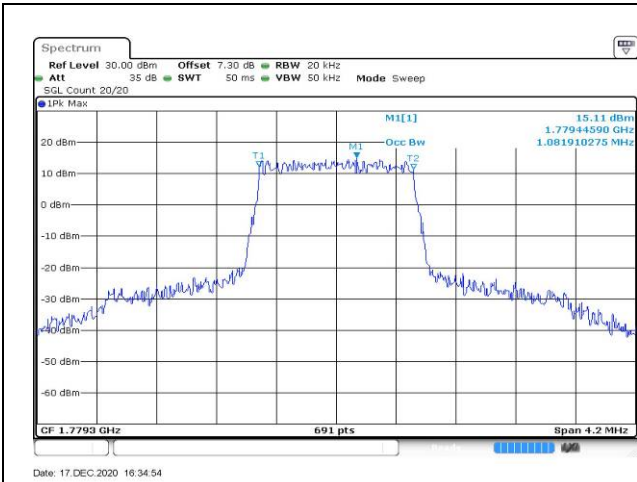
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	132072	20	1	0	24.10
				1	49	23.86
				1	99	23.92
				50	0	22.96
				50	24	22.81
				50	50	22.80
	100	0		22.85		
	1	0		24.15		
	1	49		24.31		
	1	99		24.37		
	50	0		23.08		
	50	24		23.11		
	50	50		23.09		
	100	0		23.16		
	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	20	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		
	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		
	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





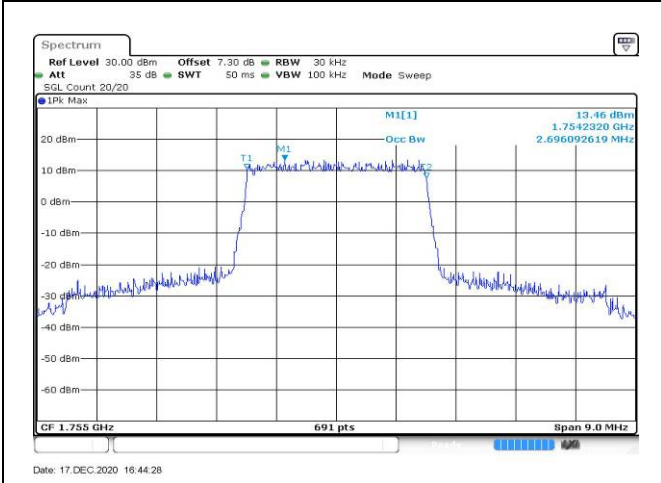


Fig.13

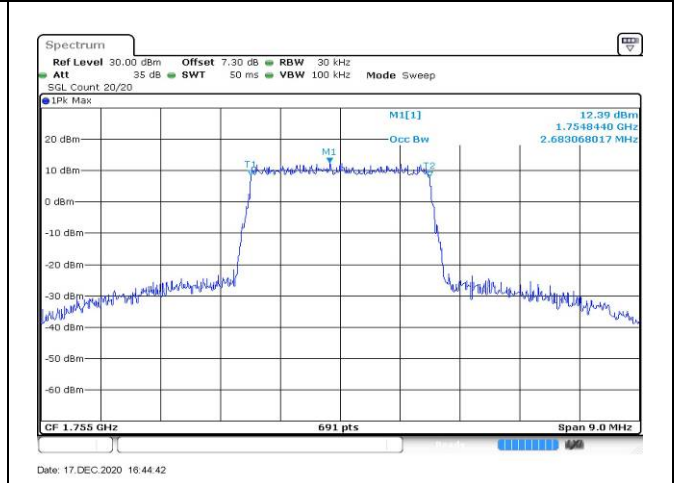


Fig.14

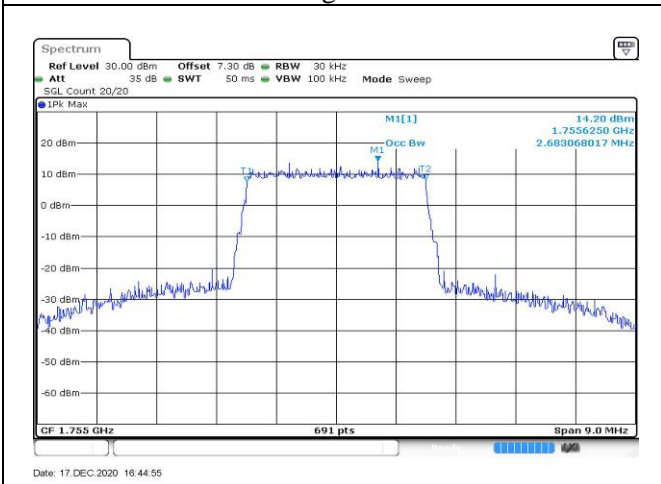


Fig.15

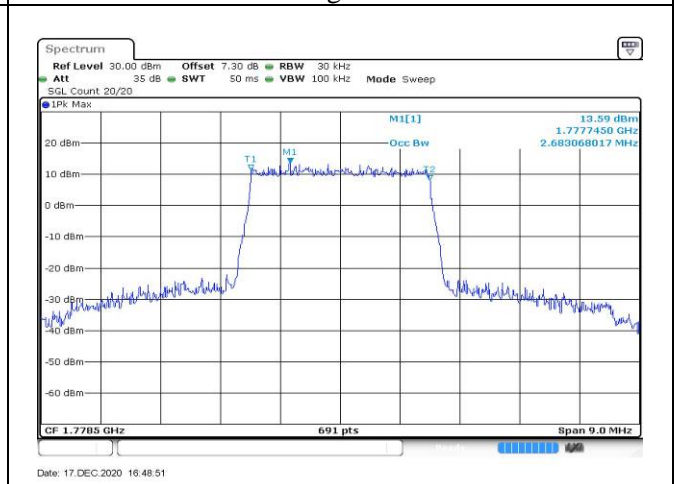


Fig.16

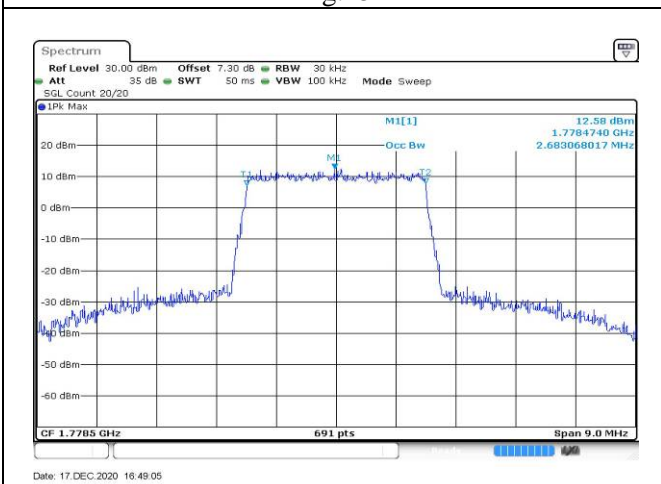


Fig.17

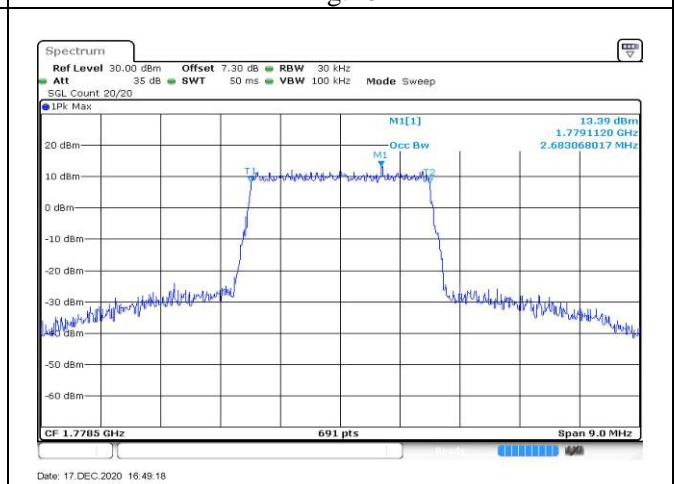


Fig.18



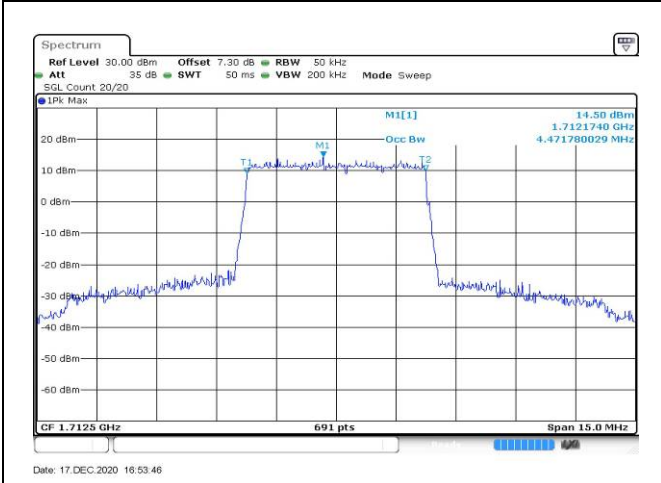


Fig.19

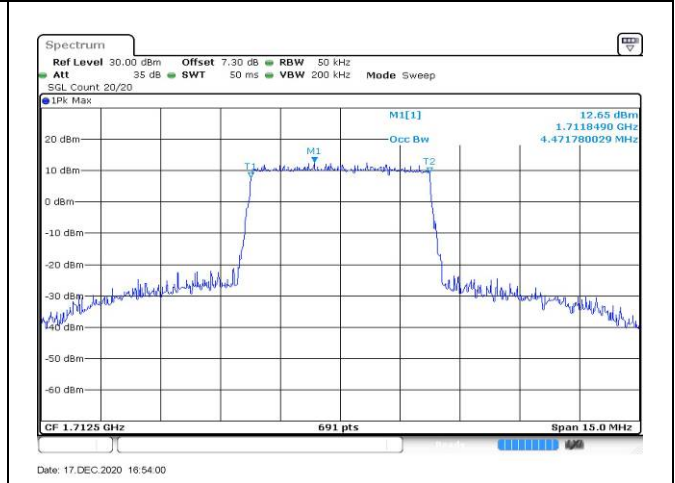


Fig.20

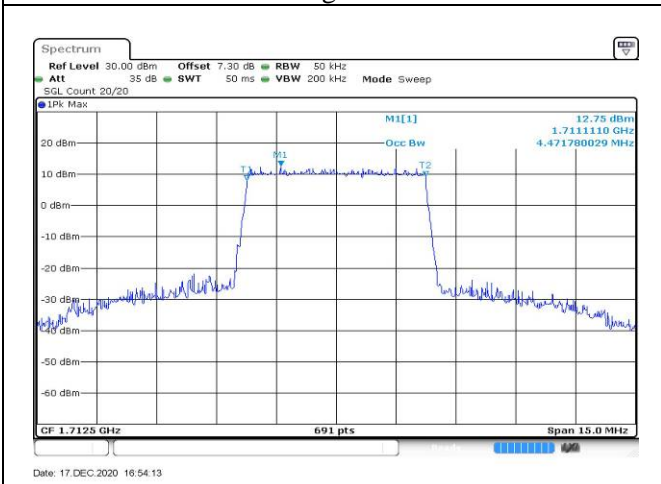


Fig.21

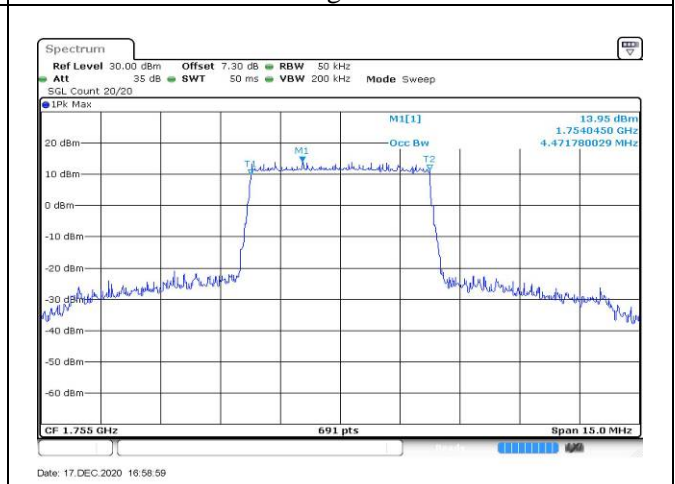


Fig.22

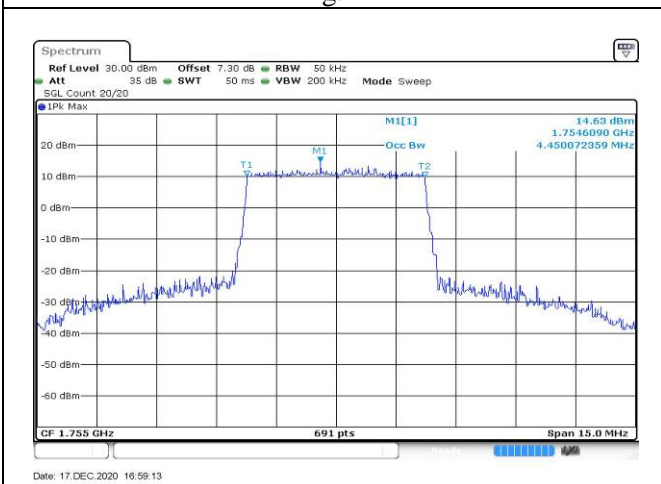


Fig.23

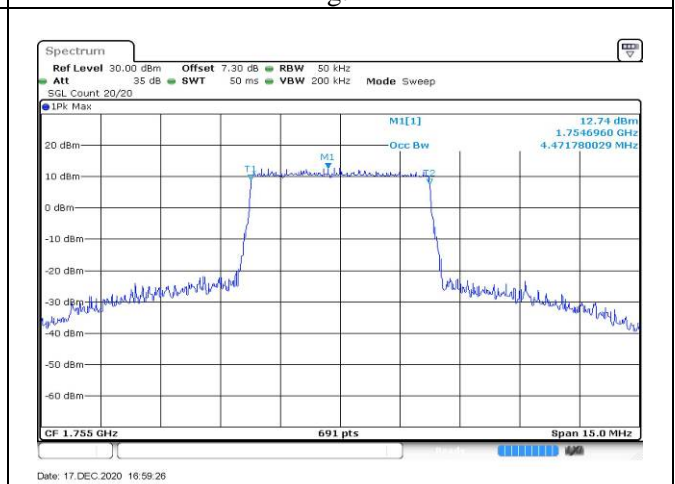


Fig.24

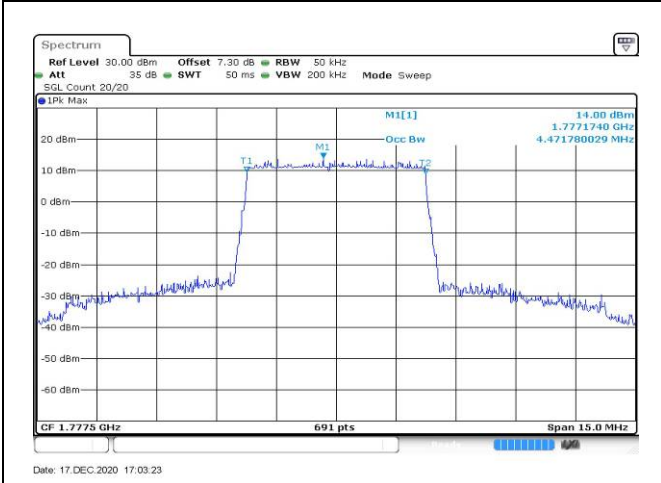


Fig.25

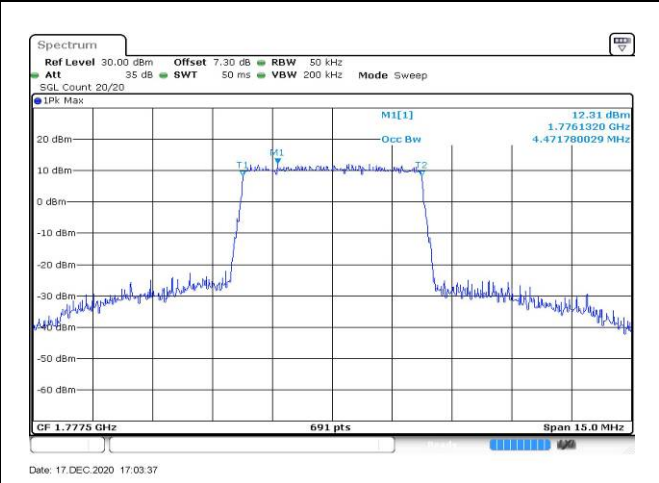


Fig.26

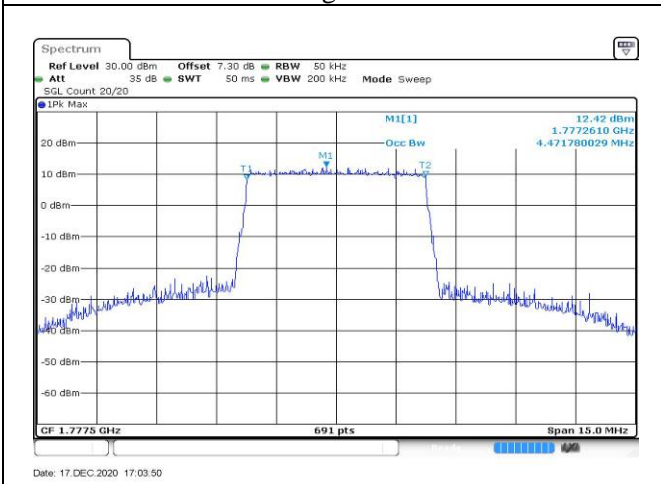


Fig.27

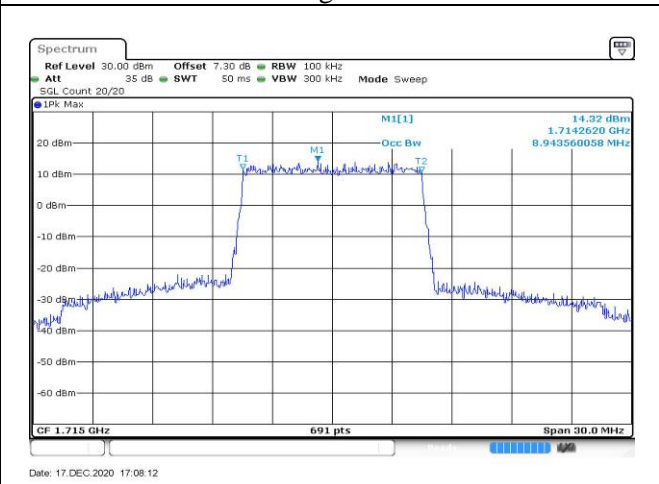


Fig.28

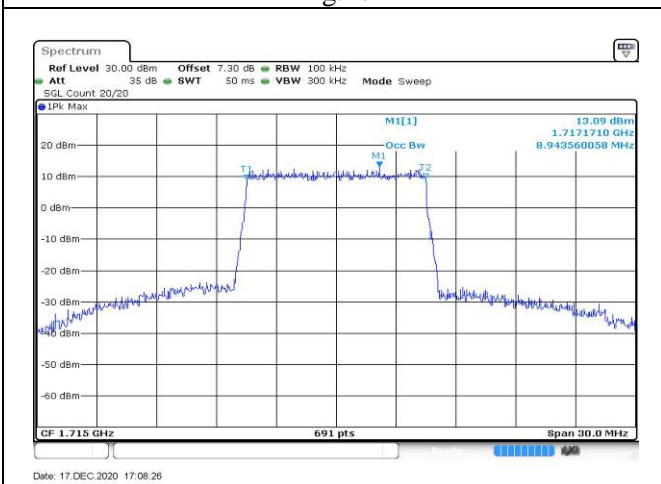


Fig.29

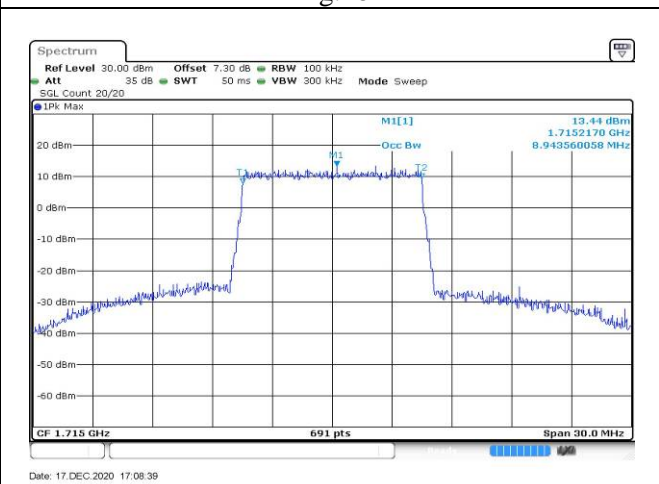
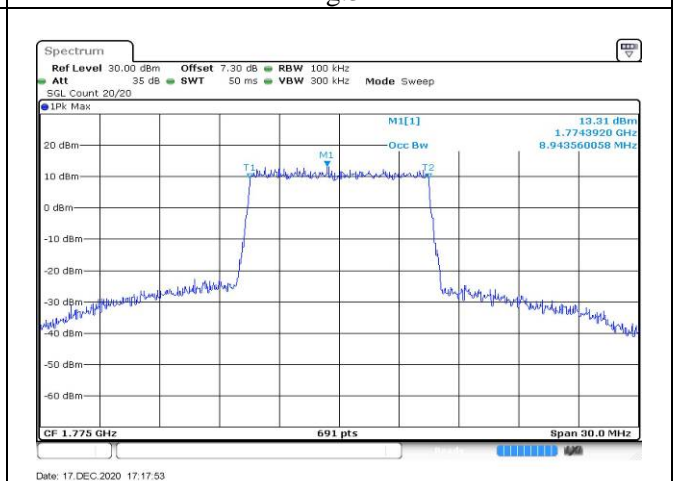
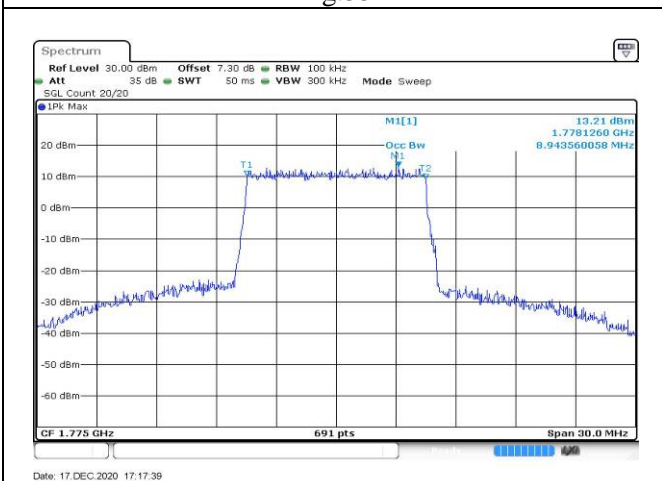
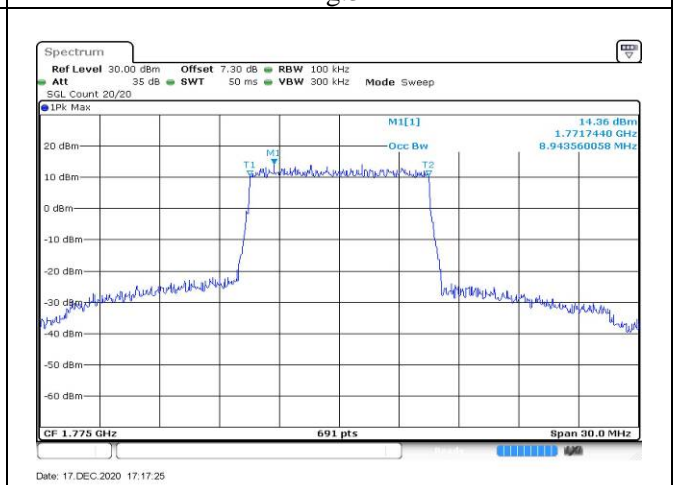
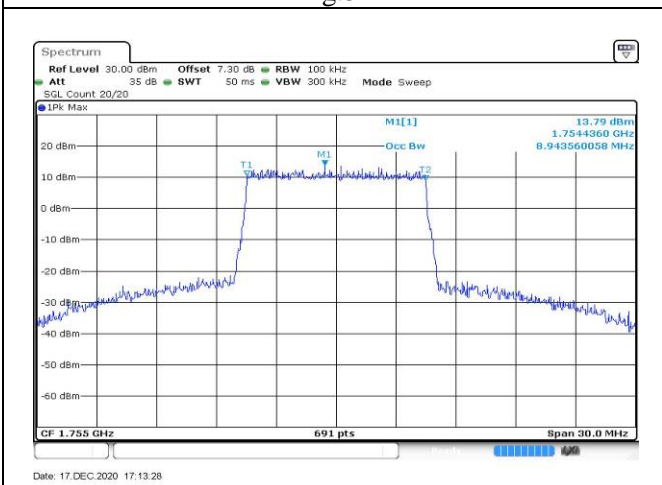
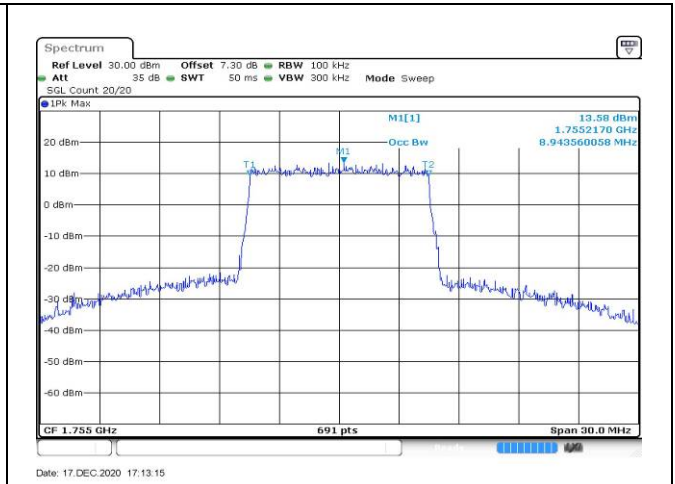
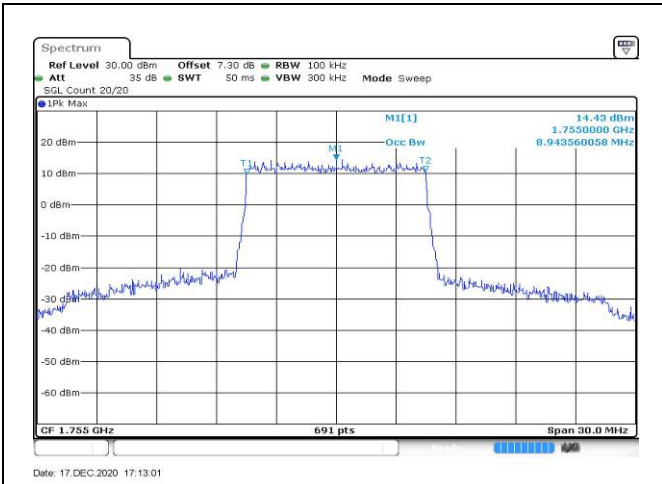


Fig.30



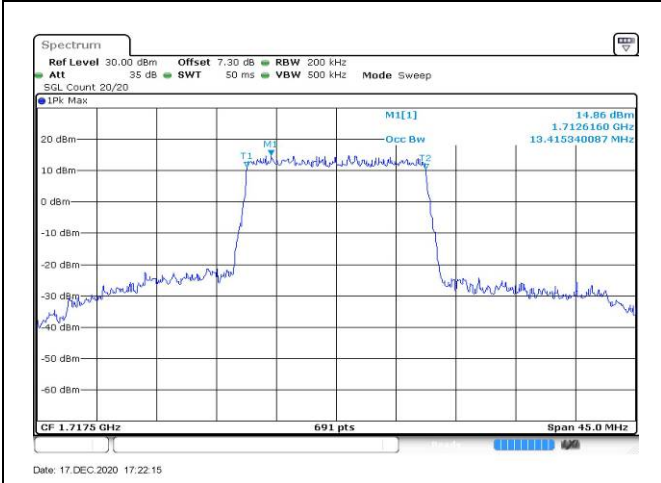


Fig.37

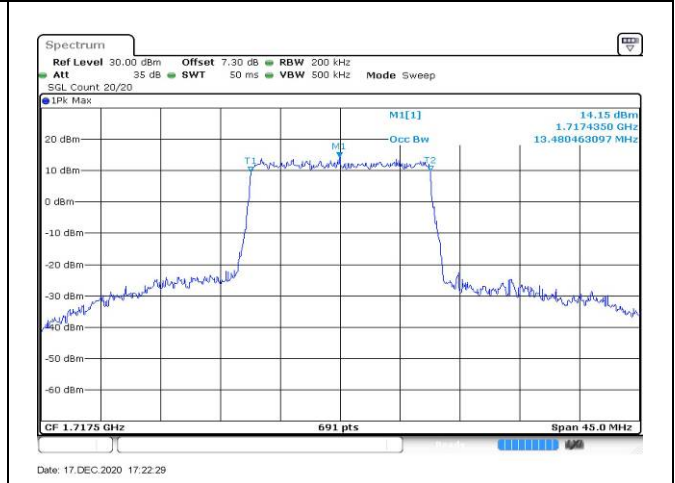


Fig.38

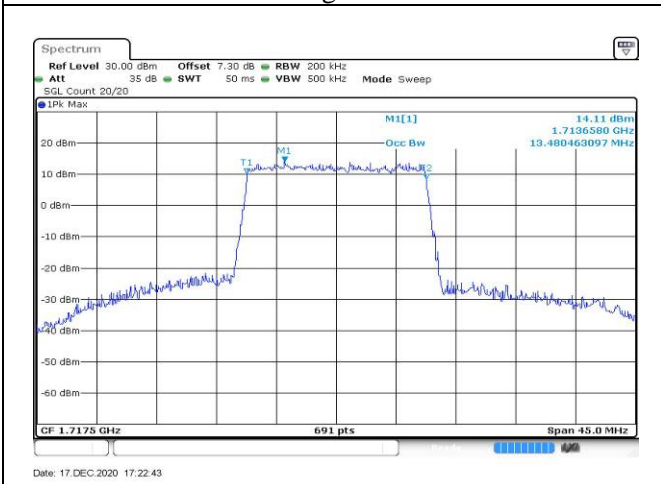


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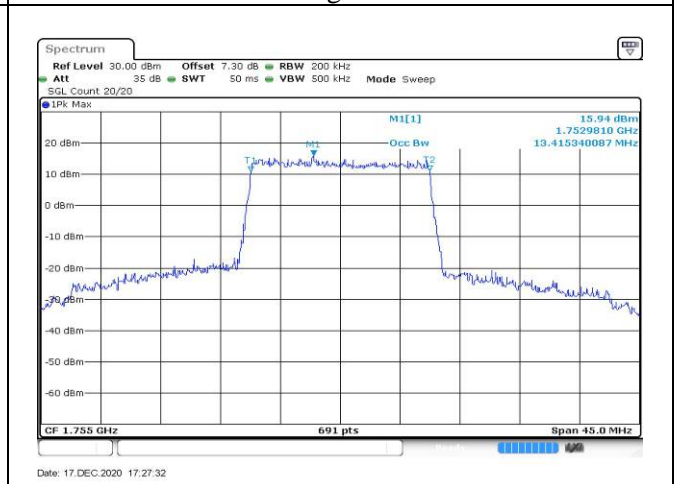


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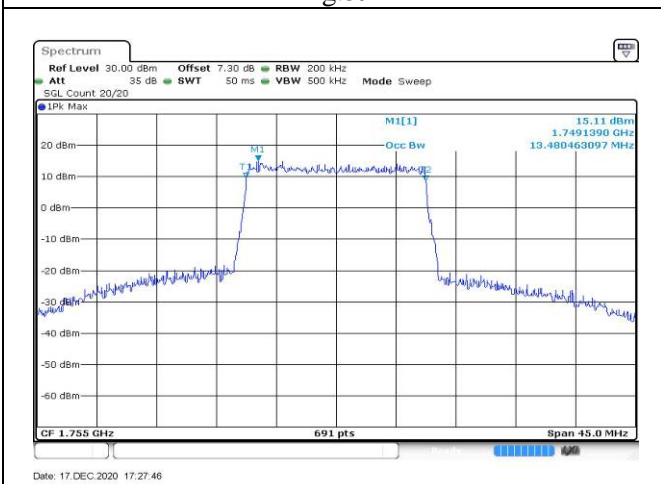


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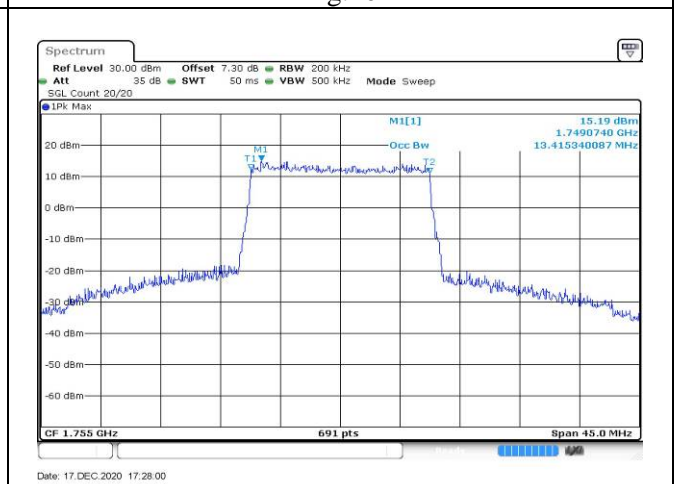


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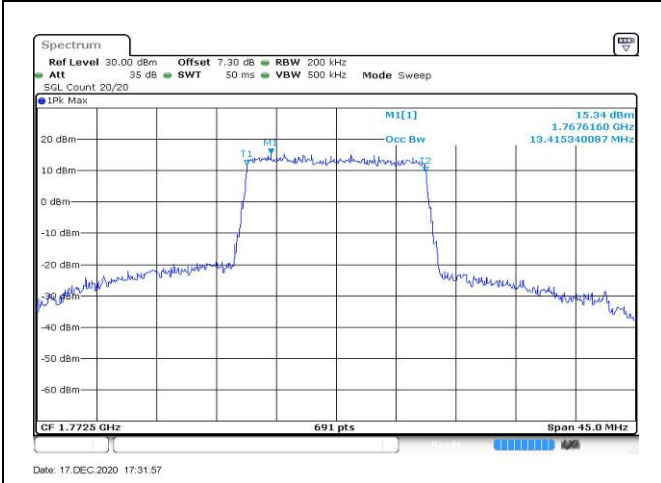


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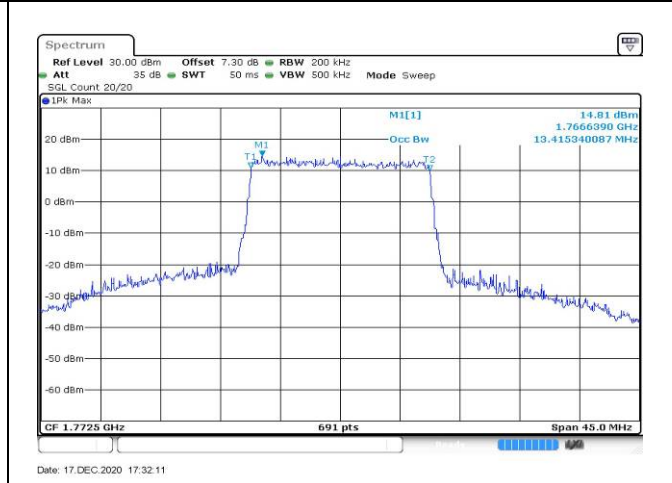


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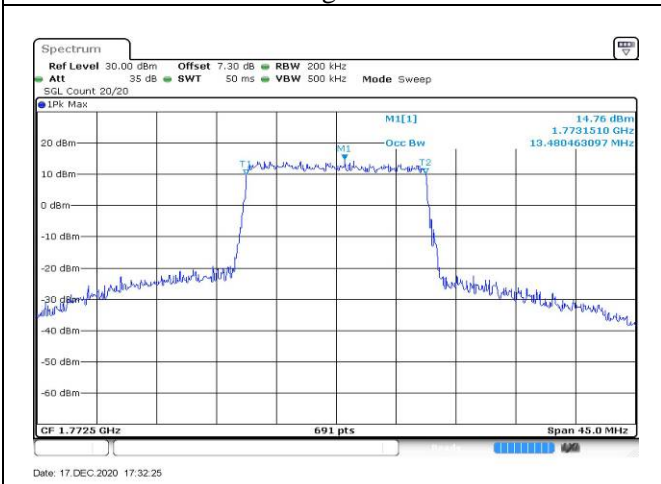


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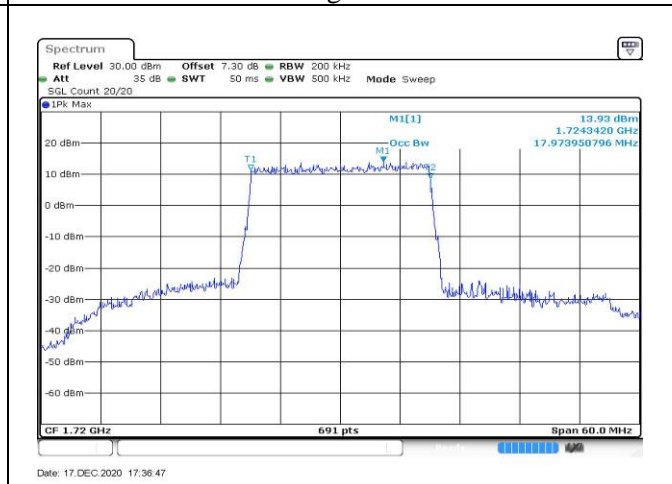


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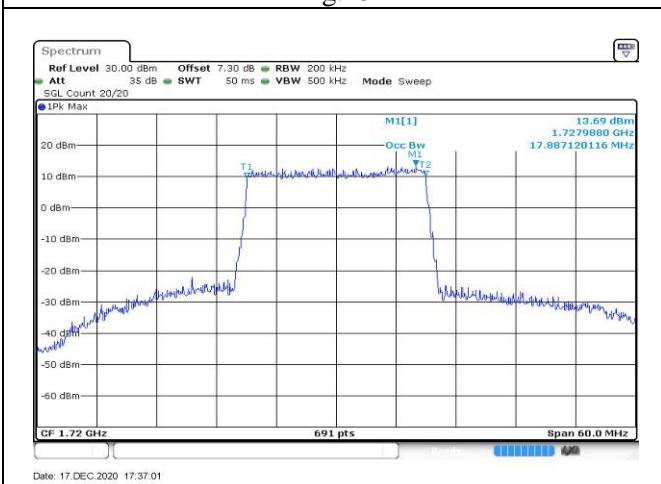


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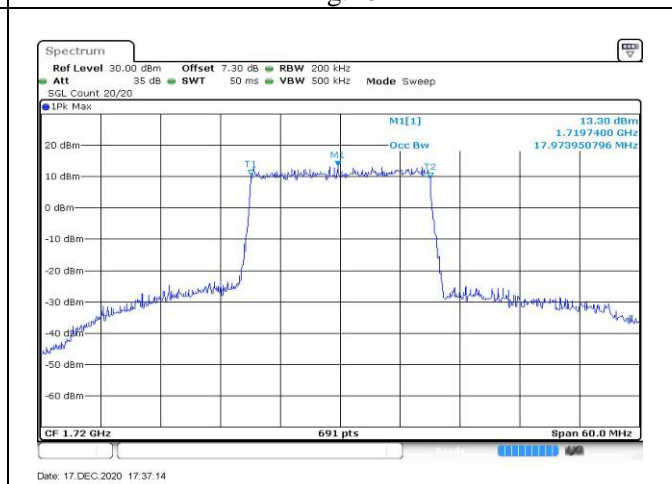


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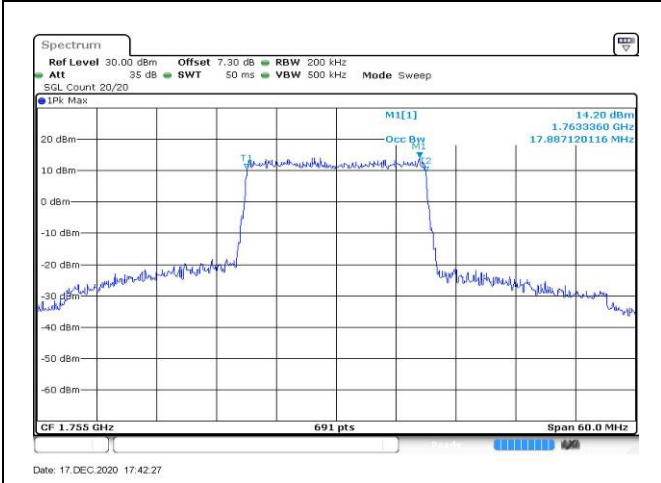


Fig.49

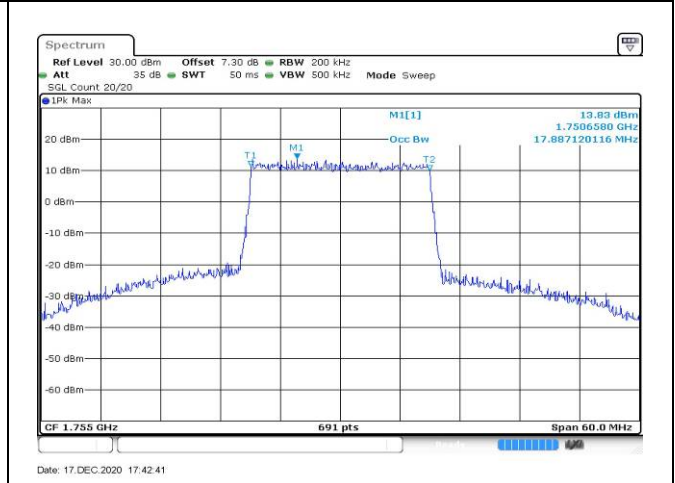


Fig.50

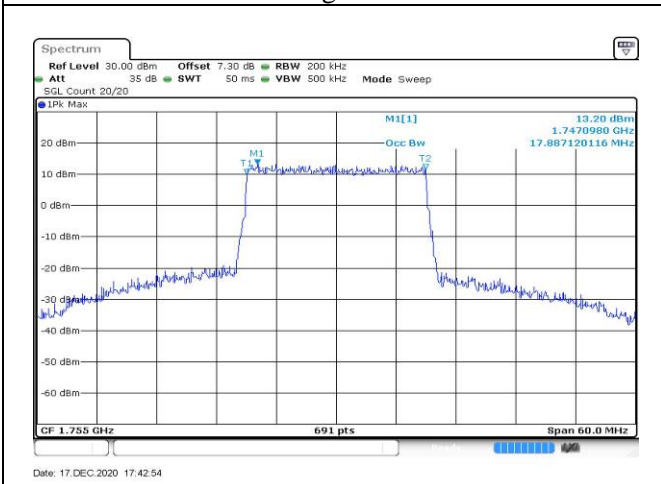


Fig.51

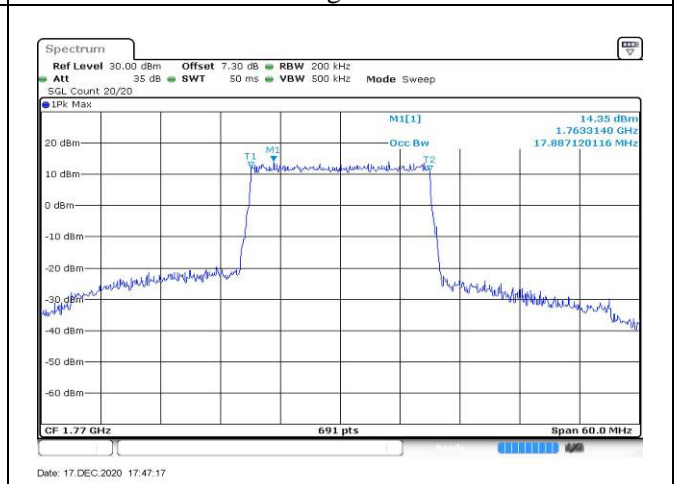


Fig.52

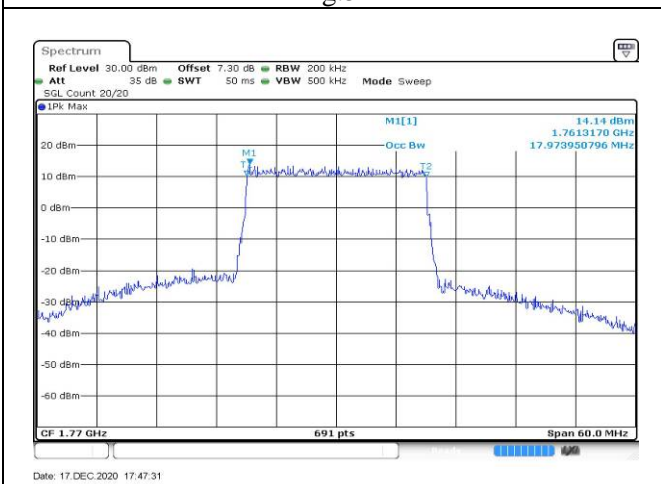


Fig.53

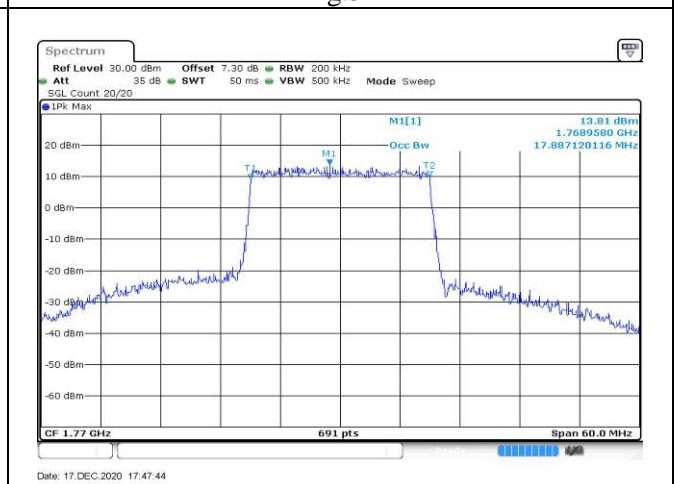


Fig.54

### 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	1.228	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

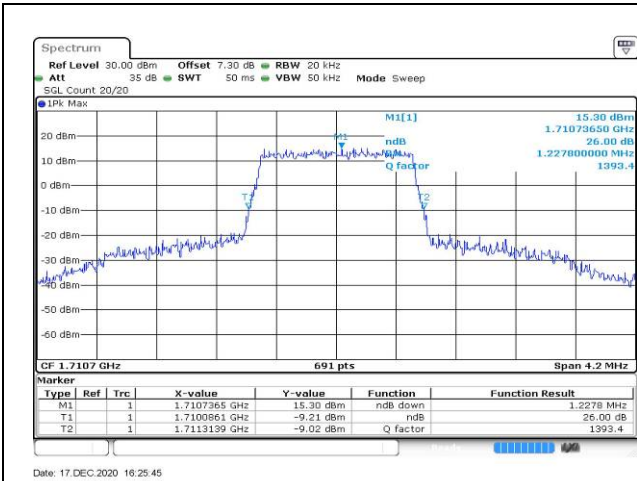


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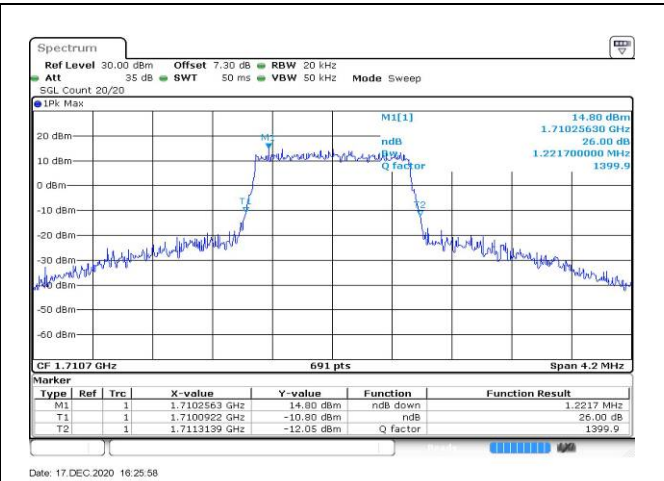


Fig.2

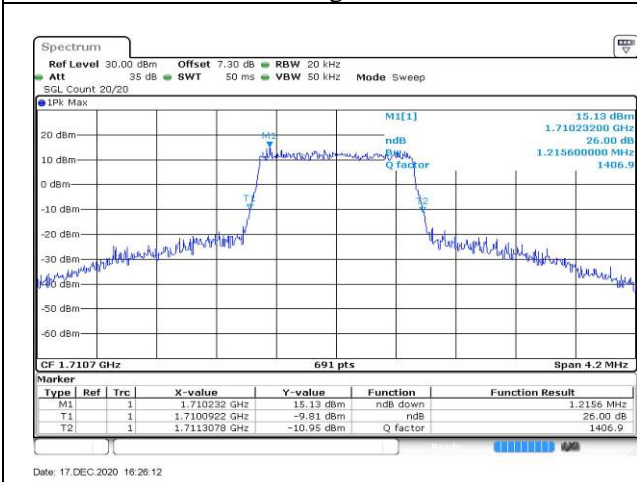


Fig.3

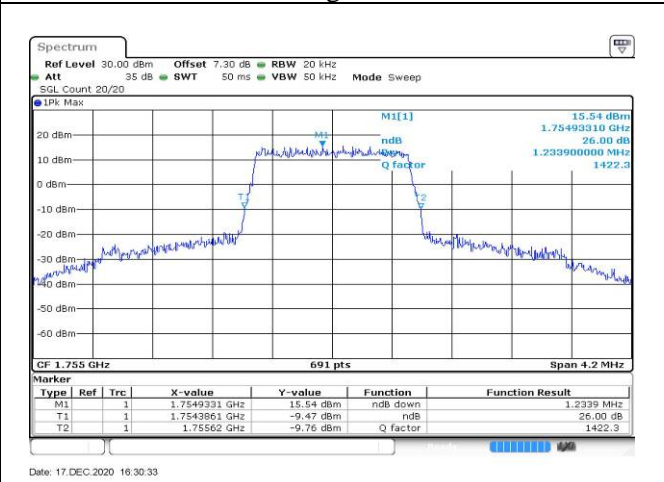


Fig.4

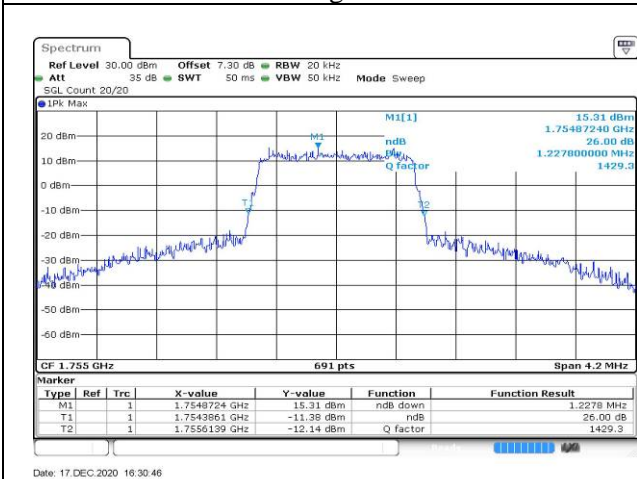


Fig.5

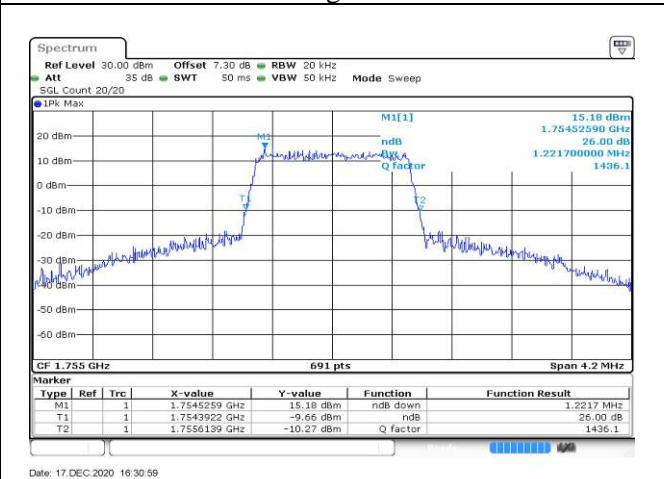


Fig.6



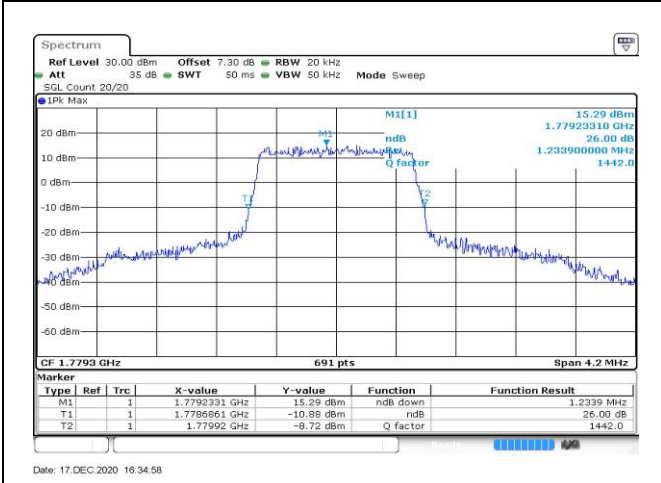


Fig.7

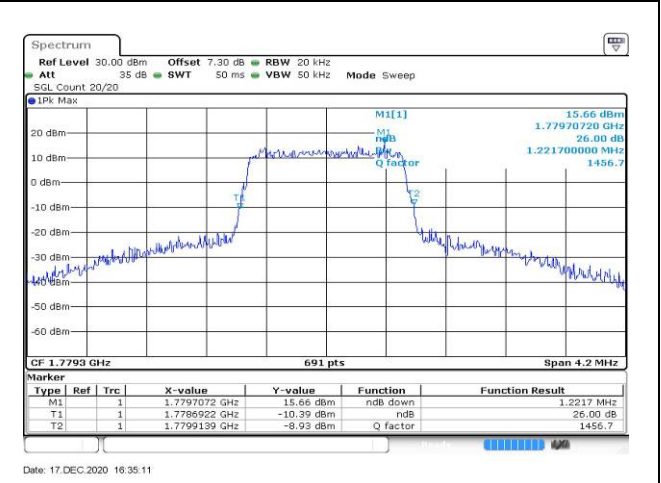


Fig.8

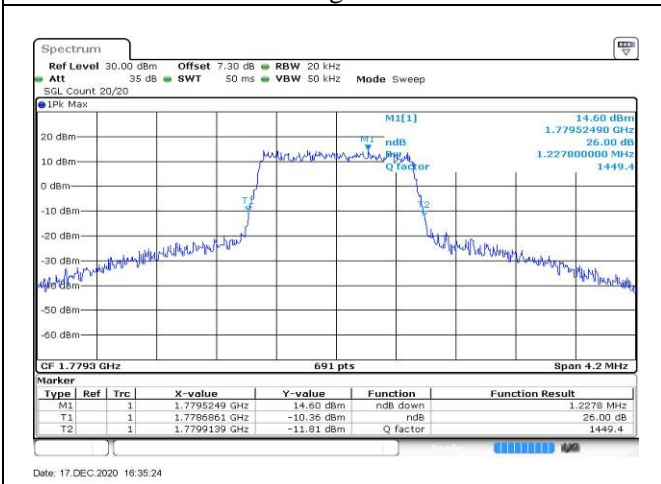


Fig.9

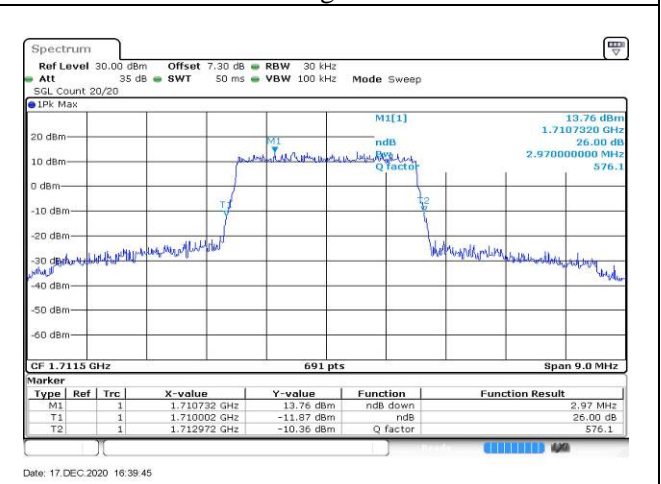


Fig.10

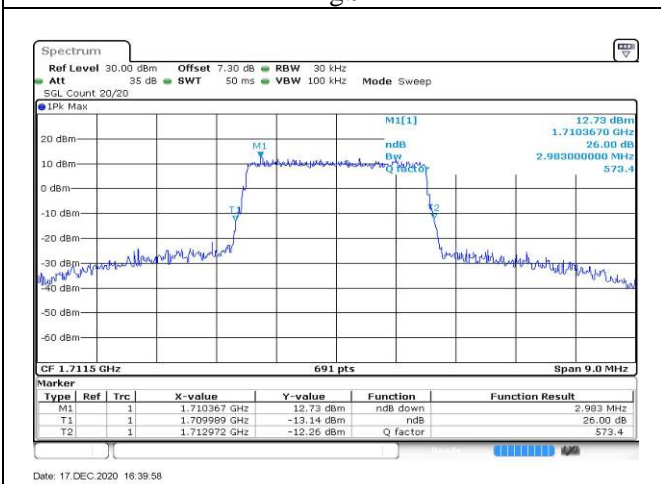


Fig.11

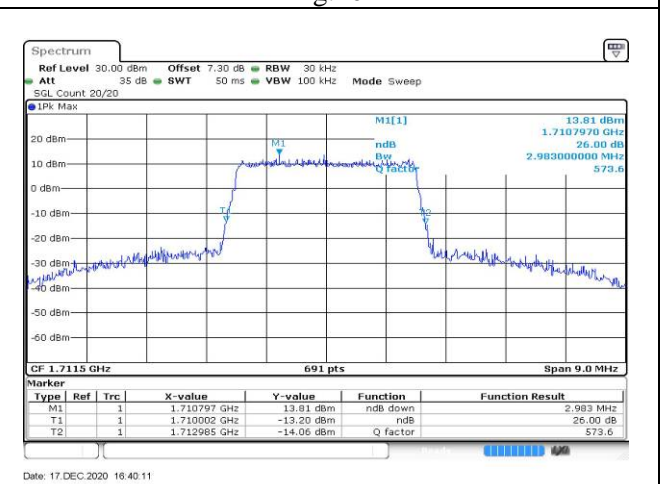


Fig.12

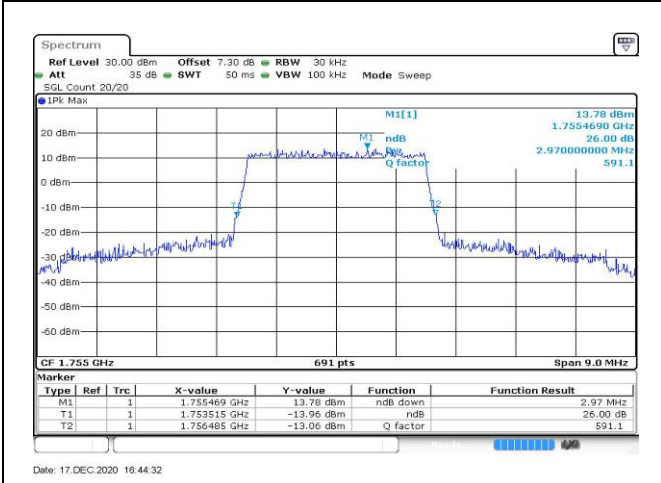


Fig.13

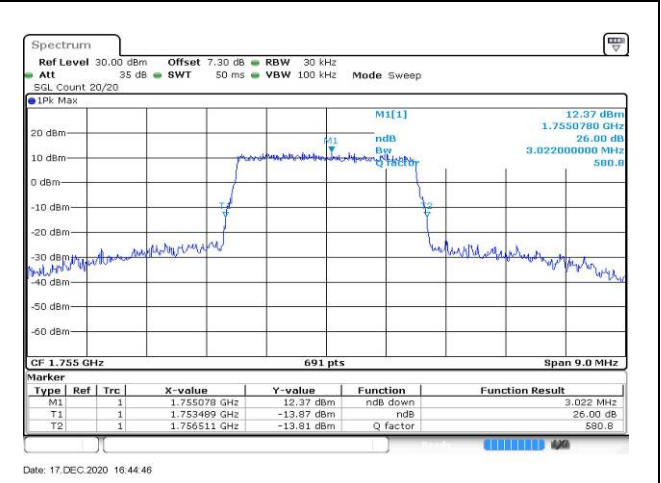


Fig.14

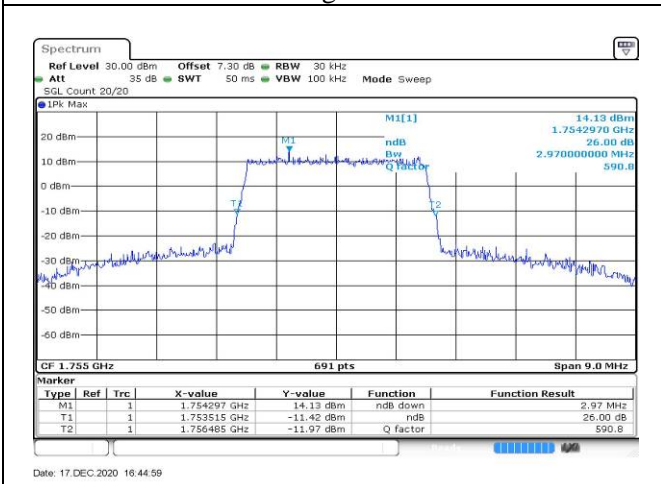


Fig.15

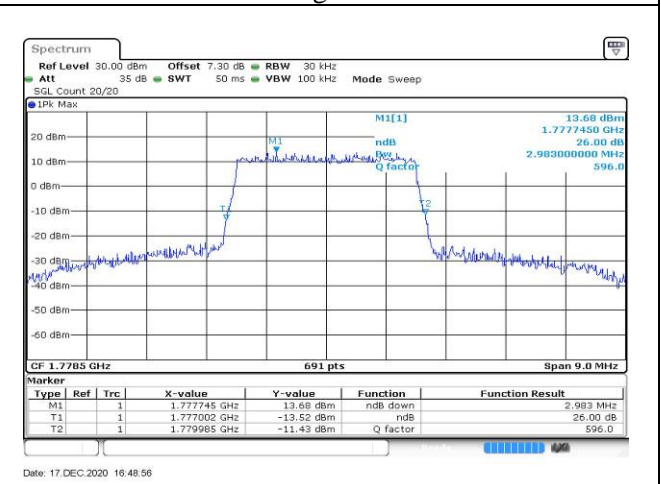


Fig.16

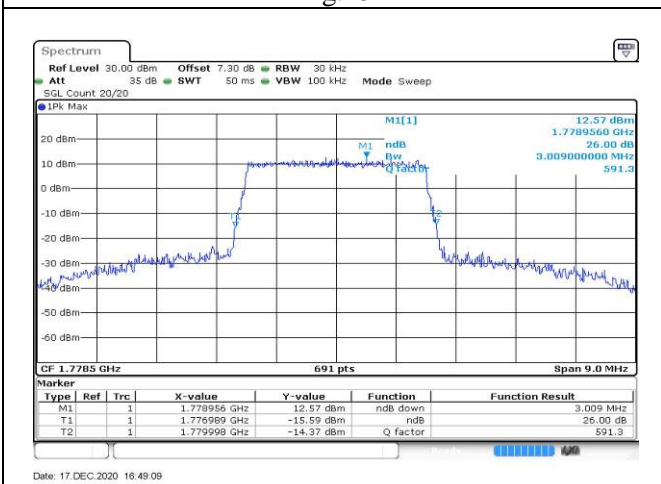


Fig.17

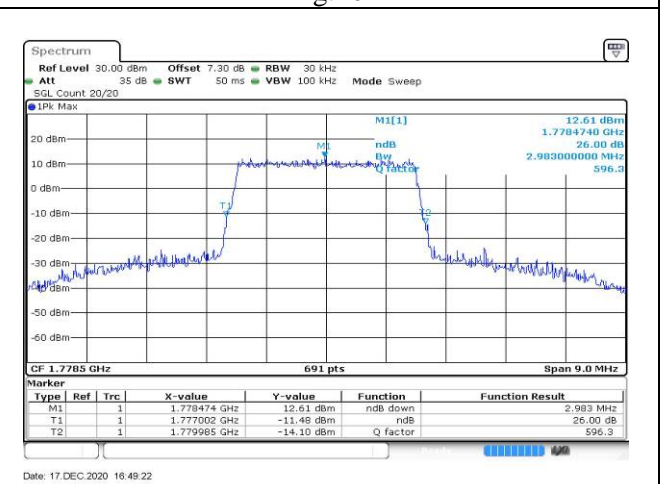


Fig.18

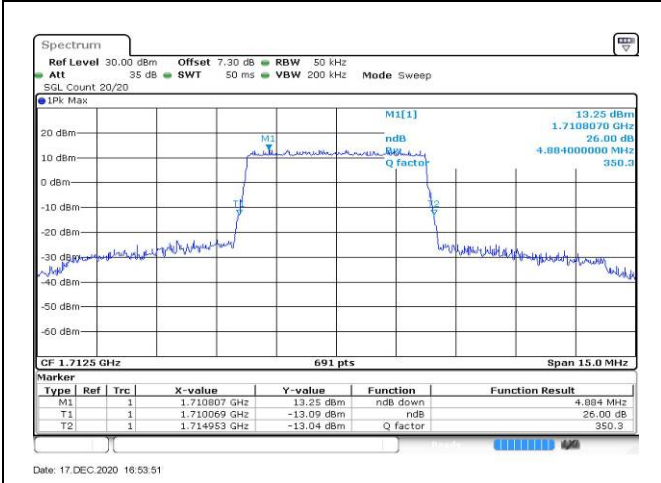


Fig.19

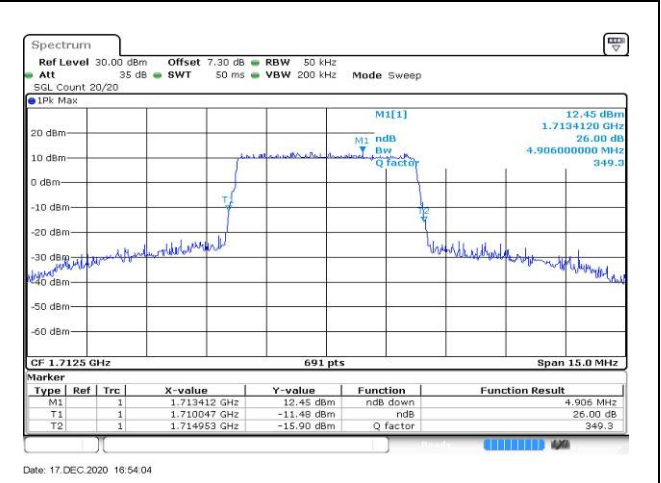


Fig.20

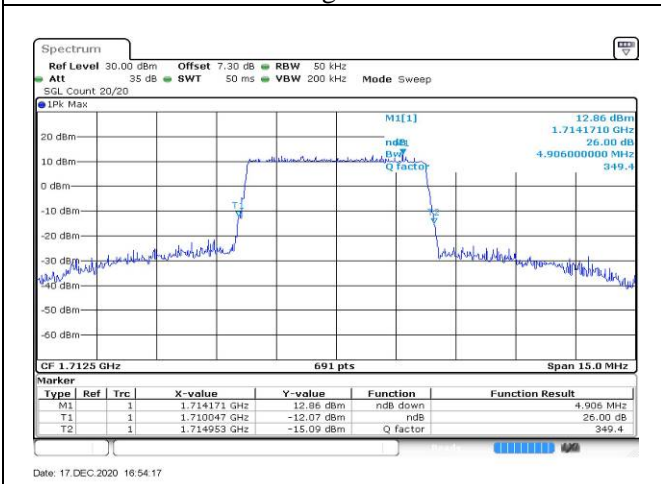


Fig.21

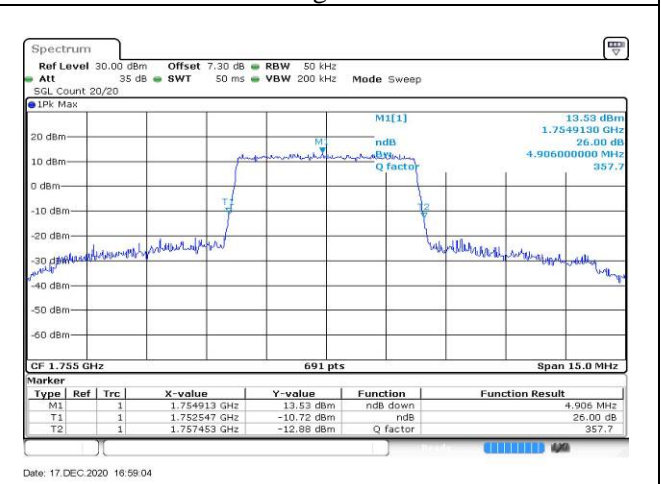


Fig.22

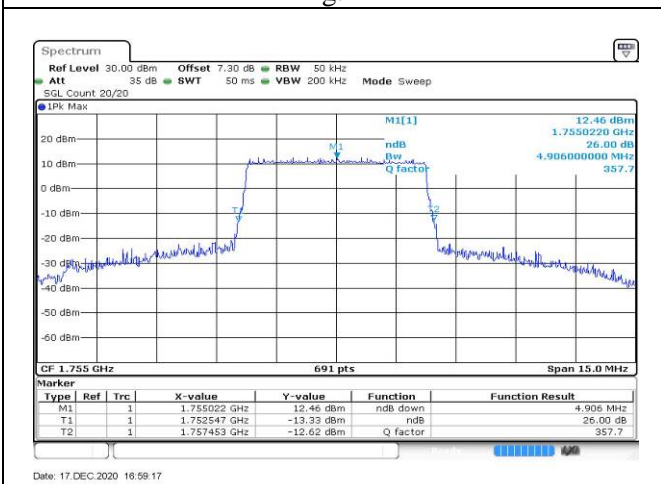


Fig.23

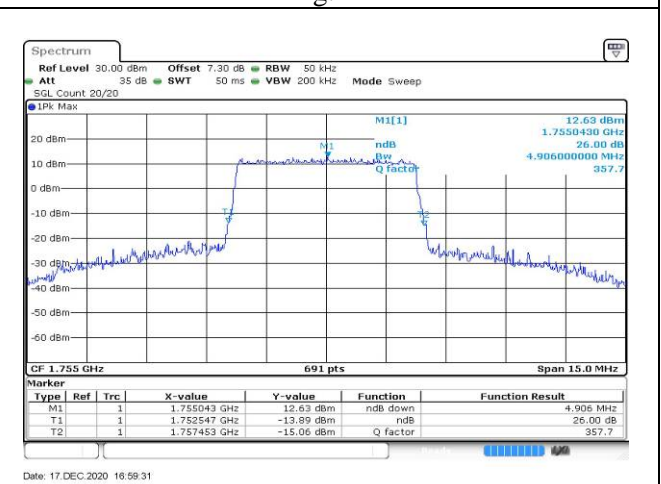


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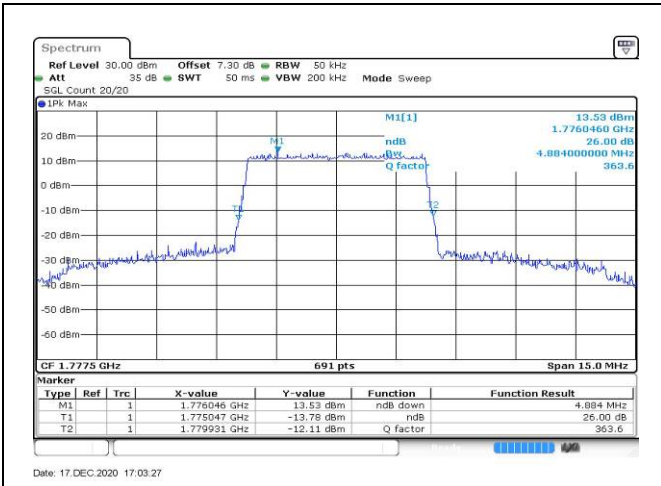


Fig.25

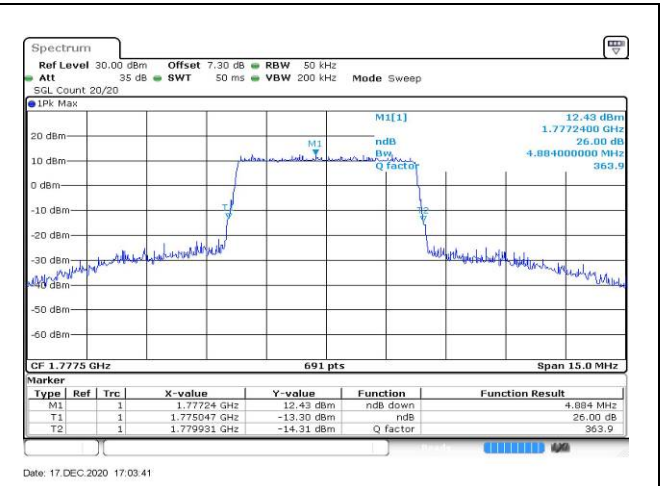


Fig.26

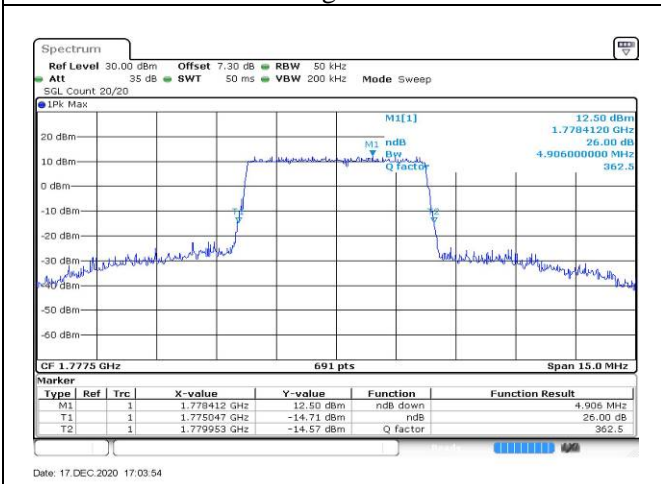


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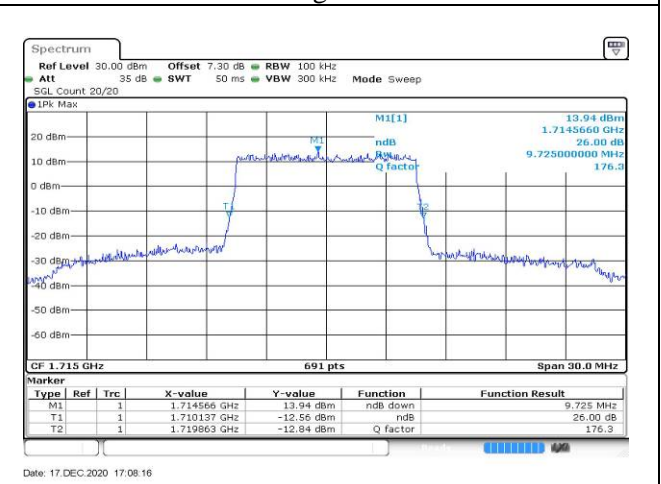


Fig.28

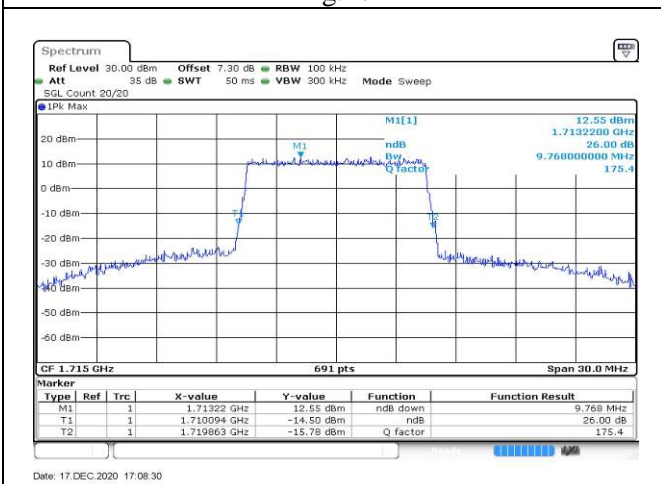


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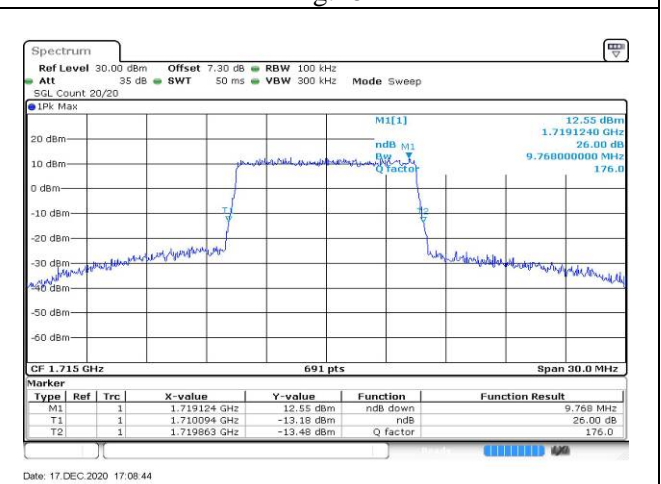


Fig.30

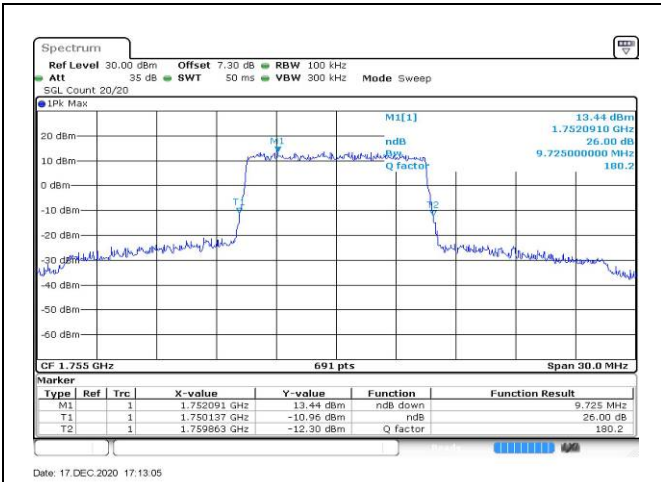


Fig.31

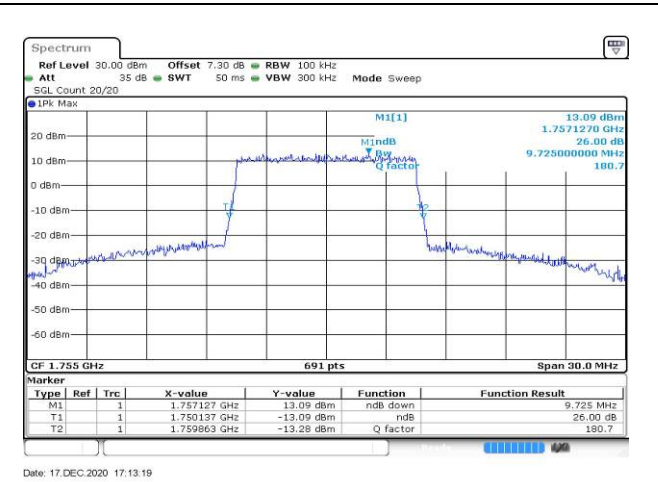


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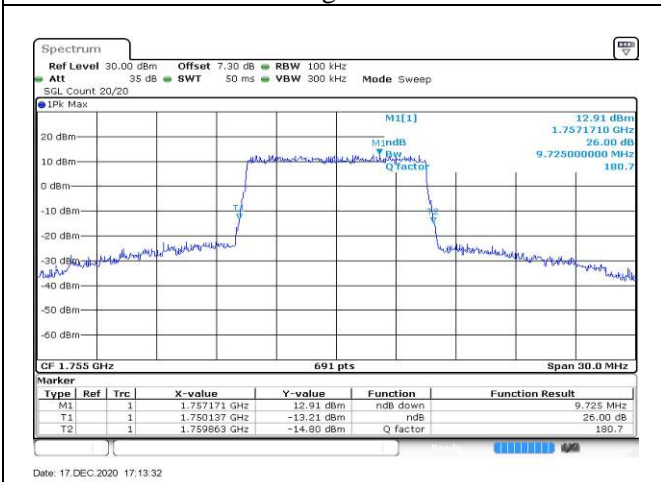


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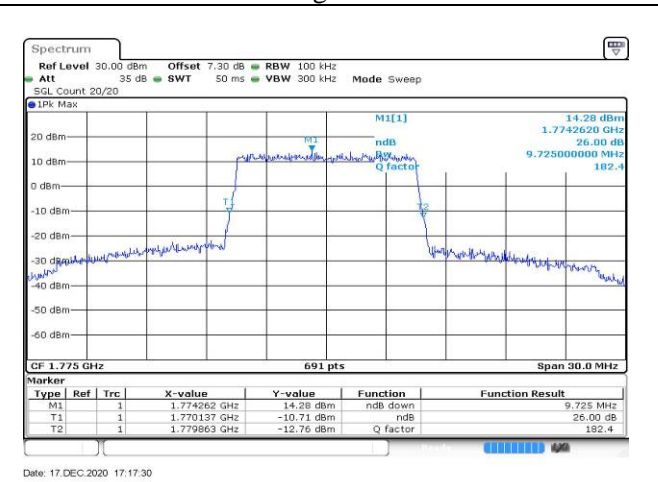


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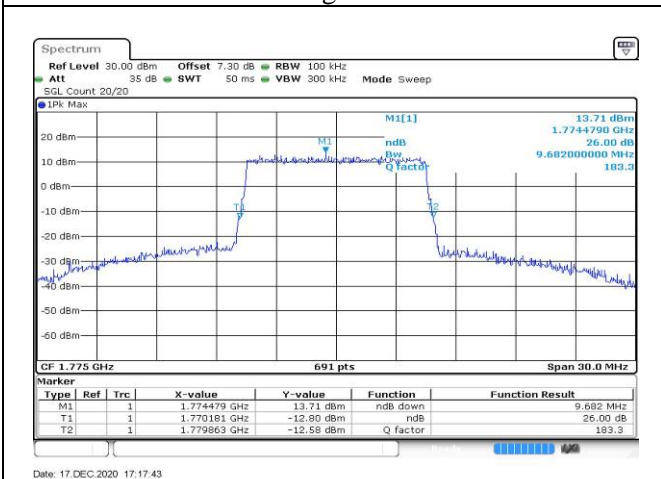


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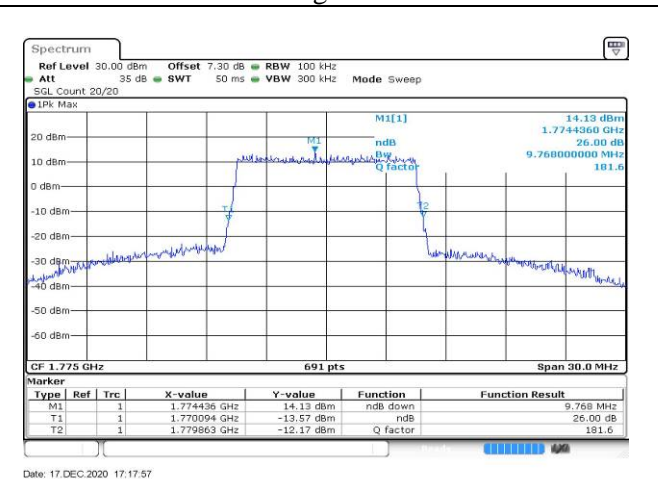


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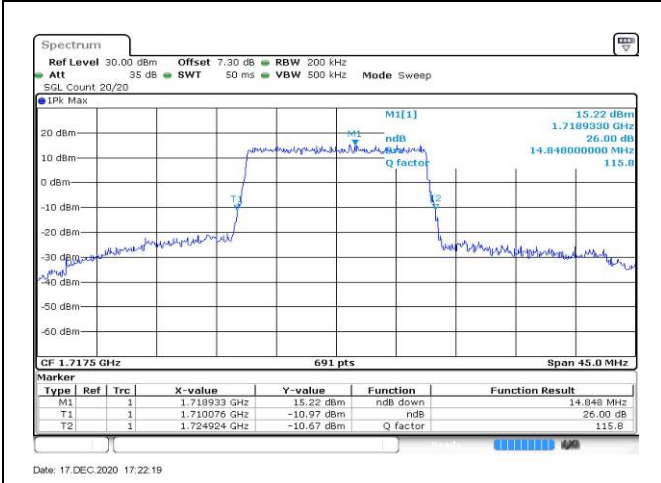


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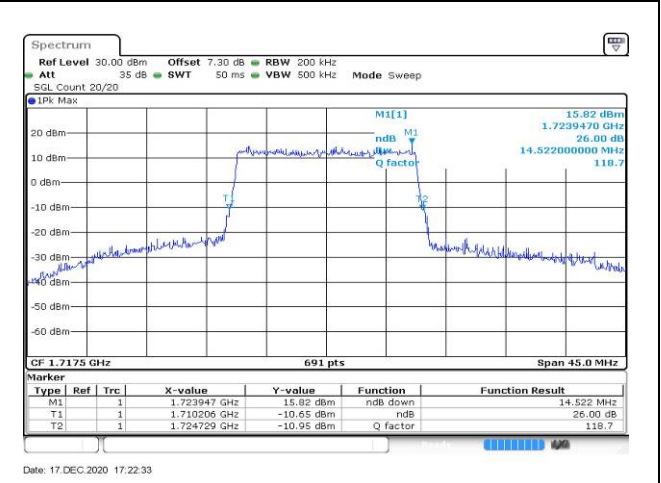


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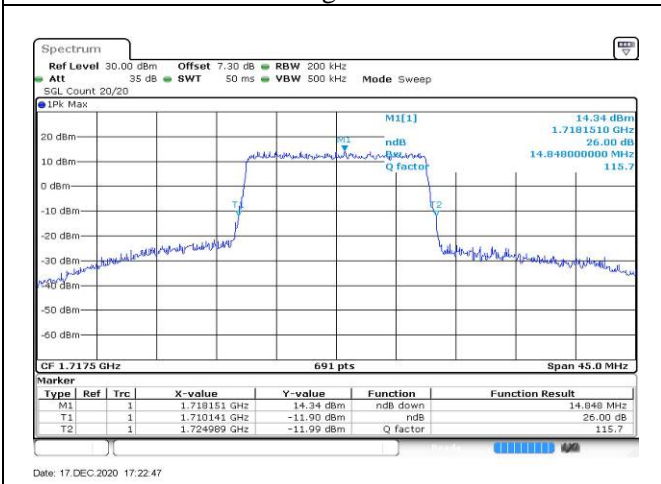


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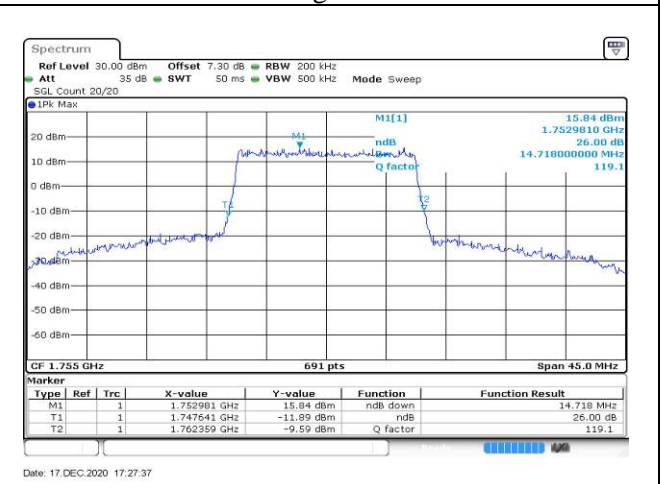


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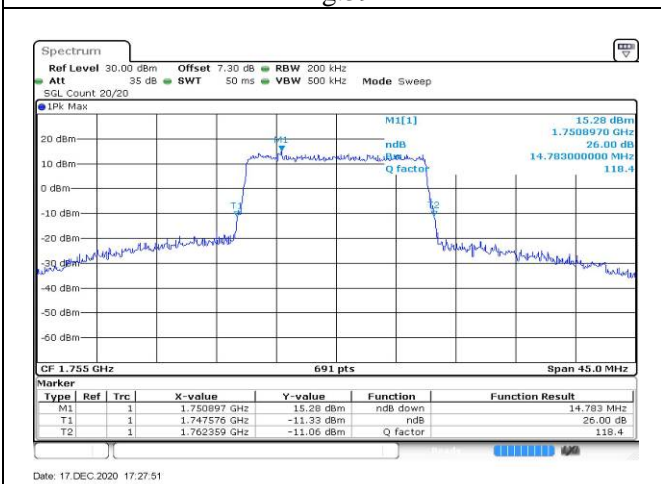


Fig.41

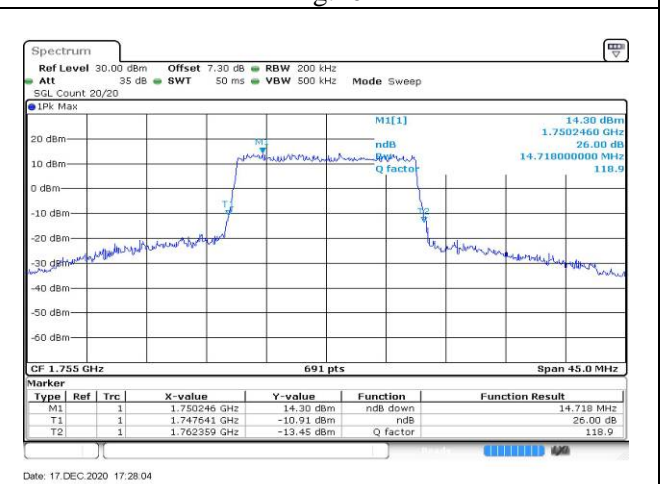


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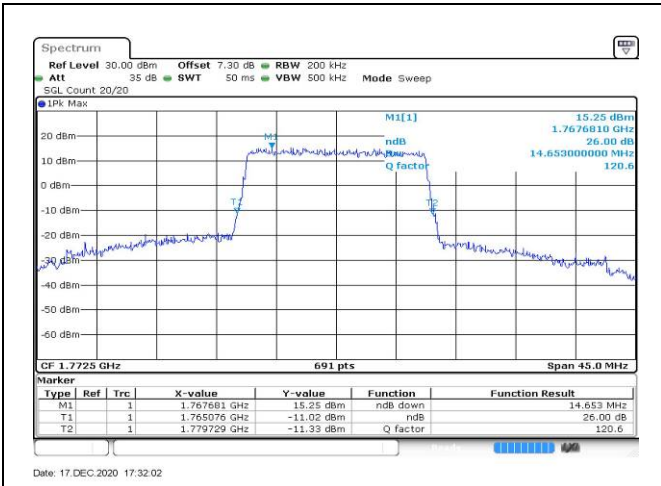


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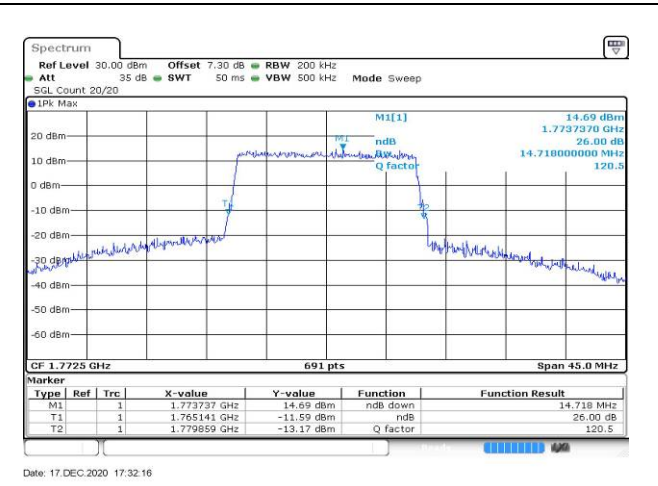


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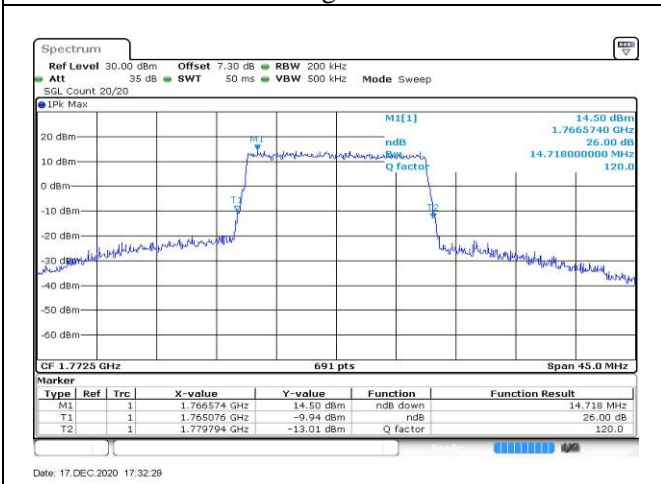


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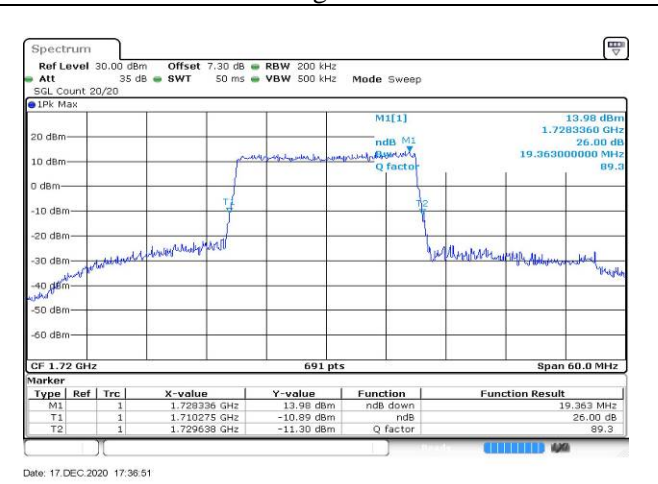


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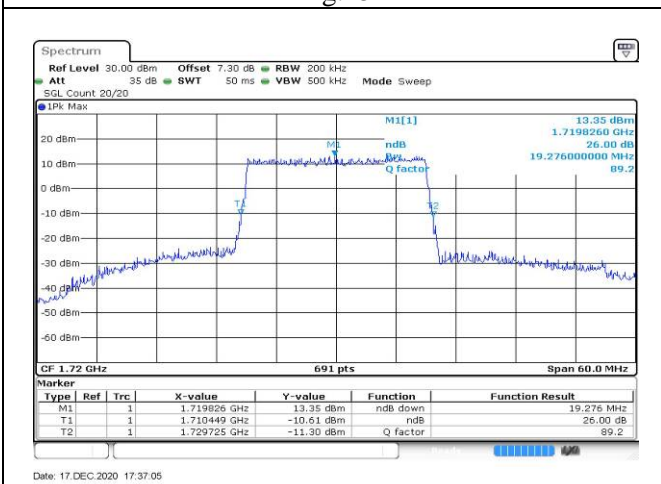


Fig.47

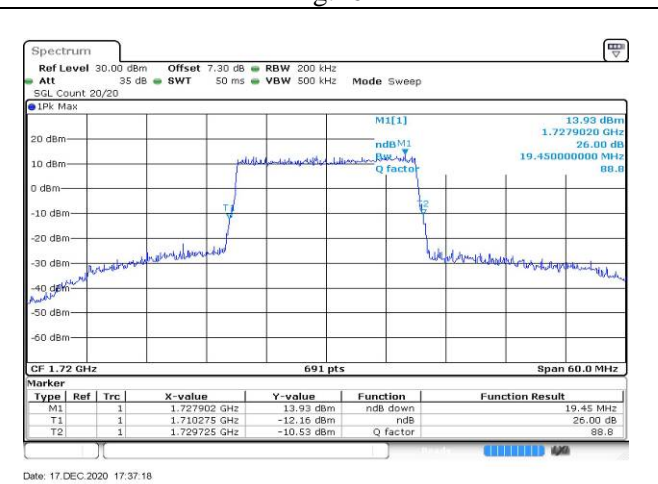


Fig.48