

**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	22.58
				1	3	22.67
				1	5	22.59
				3	0	22.65
				3	1	22.59
				3	3	22.63
	1755	132422		6	0	21.57
				1	0	22.76
				1	3	22.75
				1	5	22.83
				3	0	22.73
				3	1	22.77
	1779.3	132665		3	3	22.83
				6	0	21.82
				1	0	22.83
				1	3	22.78
				1	5	22.76
				3	0	22.78
16QAM	1710.7	131979	3	1	22.85	
			3	3	22.83	
			6	0	21.85	
			1	0	21.72	
			1	3	21.73	
			1	5	21.71	
	1755	132422	3	0	21.66	
			3	1	21.64	
			3	3	21.68	
			6	0	20.71	
			1	0	21.92	
			1	3	21.96	
	1779.3	132665	1	5	21.95	
			3	0	21.93	
			3	1	21.96	
			3	3	21.98	
			6	0	20.73	
			1	0	21.94	
			1	3	21.99	
			1	5	21.99	
			3	0	21.91	
			3	1	21.98	
			3	3	21.91	
			6	0	20.77	

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	20.70
				3	0	20.71
				3	1	20.71
				3	3	20.69
	6	0		20.68		
	1755	132422		1	0	20.72
				1	3	20.72
				1	5	20.73
				3	0	20.72
				3	1	20.72
				3	3	20.71
	1779.3	132665		6	0	20.71
				1	0	20.79
				1	3	20.78
				1	5	20.78
				3	0	20.79
				3	1	20.78
				3	3	20.78
				6	0	20.78

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	131987	3	1	0	22.68
				1	8	22.65
				1	14	22.60
				8	0	21.76
				8	4	21.72
				8	7	21.69
	15	0		21.73		
	1	0		22.80		
	1	8		22.89		
	1	14		22.86		
	8	0		21.98		
	8	4		21.92		
	8	7		21.91		
	15	0		21.94		
	1	0		22.82		
	1	8		22.91		
	1	14		22.90		
	8	0		21.90		
	8	4		21.93		
	8	7		22.00		
	15	0		21.88		
16QAM	1711.5	131987	1	0	21.79	
			1	8	21.77	
			1	14	21.80	
			8	0	20.82	
			8	4	20.81	
			8	7	20.79	
	15	0	20.86			
	1	0	22.00			
	1	8	21.99			
	1	14	22.05			
	8	0	20.93			
	8	4	21.02			
	8	7	20.95			
	15	0	21.01			
	1	0	21.99			
	1	8	22.05			
	1	14	22.03			
	8	0	20.92			
	8	4	20.99			
	8	7	21.04			
	15	0	20.98			
1778.5	132657	1	0	21.79		
		1	8	21.77		
		1	14	21.80		
		8	0	20.82		
		8	4	20.81		
		8	7	20.79		
15	0	20.86				
1	0	22.00				
1	8	21.99				
1	14	22.05				
8	0	20.93				
8	4	21.02				
8	7	20.95				
15	0	21.01				
1	0	21.99				
1	8	22.05				
1	14	22.03				
8	0	20.92				
8	4	20.99				
8	7	21.04				
15	0	20.98				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1711.5	131987	3	1	0	20.86
				1	8	20.86
				1	14	20.85
				8	0	20.85
				8	4	20.84
				8	7	20.85
				15	0	20.84
	1755	132422		1	0	21.00
				1	8	21.00
				1	14	21.02
				8	0	20.99
				8	4	20.99
				8	7	20.99
				15	0	20.97
	1778.5	132657		1	0	20.98
				1	8	20.99
				1	14	20.98
				8	0	20.98
				8	4	20.97
				8	7	20.98
				15	0	20.96

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1712.5	131997	5	1	0	22.59	
				1	12	22.66	
				1	24	22.71	
				12	0	21.78	
				12	7	21.79	
				12	13	21.75	
	25	0		21.81			
	1755	132422		1	0	22.82	
				1	12	22.89	
				1	24	22.91	
				12	0	21.88	
				12	7	21.91	
				12	13	21.97	
	25	0		21.89			
	1777.5	132647		1	0	22.84	
				1	12	22.92	
				1	24	22.88	
				12	0	21.90	
				12	7	21.95	
				12	13	21.96	
	25	0		21.96			
	16QAM	1712.5		131997	1	0	21.75
					1	12	21.83
					1	24	21.84
12			0		20.80		
12			7		20.75		
12			13		20.75		
25		0	20.85				
1755		132422	1	0	21.91		
			1	12	22.06		
			1	24	22.05		
			12	0	20.88		
			12	7	20.95		
			12	13	20.87		
25		0	20.95				
1777.5		132647	1	0	21.94		
			1	12	22.01		
			1	24	22.01		
			12	0	20.89		
			12	7	20.94		
			12	13	20.97		
25		0	21.02				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1712.5	131997	5	1	0	20.85
				1	12	20.84
				1	24	20.85
				12	0	20.85
				12	7	20.84
				12	13	20.82
				25	0	20.83
	1755	132422		1	0	21.00
				1	12	20.99
				1	24	21.00
				12	0	20.98
				12	7	20.96
				12	13	20.98
				25	0	20.98
	1777.5	132647		1	0	21.00
				1	12	21.00
				1	24	21.00
				12	0	21.00
				12	7	20.99
				12	13	20.99
				25	0	21.00

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1715	132022	10	1	0	22.52	
				1	25	22.52	
				1	49	22.52	
				25	0	21.71	
				25	12	21.66	
				25	25	21.63	
	1755	132422		50	0	21.73	
				1	0	22.68	
				1	25	22.79	
				1	49	22.88	
				25	0	21.89	
				25	12	21.89	
	1775	132622		25	25	21.88	
				50	0	21.86	
				1	0	22.78	
				1	25	22.73	
				1	49	22.73	
				25	0	21.93	
	16QAM	1715		132022	25	12	21.86
					25	25	21.88
					50	0	21.89
					1	0	21.77
					1	25	21.68
					1	49	21.77
1755		132422	25	0	20.88		
			25	12	20.85		
			25	25	20.79		
			50	0	20.75		
			1	0	21.82		
			1	25	21.93		
1775		132622	1	49	21.93		
			25	0	21.00		
			25	12	20.98		
			25	25	20.99		
			50	0	20.99		
			1	0	22.06		
				1	25	22.02	
				1	49	22.00	
				25	0	21.00	
				25	12	20.93	
				25	25	21.00	
				50	0	20.96	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1715	132022	10	1	0	20.80
				1	25	20.82
				1	49	20.81
				25	0	20.74
				25	12	20.81
				25	25	20.81
				50	0	20.80
	1755	132422		1	0	20.96
				1	25	20.93
				1	49	20.98
				25	0	20.89
				25	12	20.99
				25	25	20.93
				50	0	20.95
	1775	132622		1	0	20.98
				1	25	20.90
				1	49	20.91
				25	0	20.92
				25	12	20.99
				25	25	20.99
				50	0	20.89



Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	132047	15	1	0	22.88
				1	37	22.75
				1	74	22.67
				36	0	21.93
				36	29	21.89
				36	30	21.82
				75	0	21.84
	1755	132422		1	0	22.95
				1	37	23.03
				1	74	22.97
				36	0	22.13
				36	29	22.07
				36	30	22.10
				75	0	22.06
	1772.5	132597		1	0	23.21
				1	37	23.06
				1	74	22.99
				36	0	22.25
				36	29	22.12
				36	30	22.10
				75	0	22.15
16QAM	1717.5	132047	1	0	22.33	
			1	37	22.35	
			1	74	22.27	
			36	0	21.00	
			36	29	20.80	
			36	30	20.83	
			75	0	20.82	
	1755	132422	1	0	22.45	
			1	37	22.72	
			1	74	22.61	
			36	0	21.05	
			36	29	21.09	
			36	30	21.12	
			75	0	21.08	
	1772.5	132597	1	0	22.84	
			1	37	22.57	
			1	74	22.48	
			36	0	21.20	
			36	29	21.10	
			36	30	21.11	
			75	0	21.12	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1717.5	132047	15	1	0	20.93
				1	37	20.88
				1	74	20.93
				36	0	20.85
				36	29	20.85
				36	30	20.86
				75	0	20.89
	1755	132422		1	0	21.06
				1	37	21.13
				1	74	21.07
				36	0	21.06
				36	29	21.07
				36	30	21.06
				75	0	21.06
	1772.5	132597		1	0	21.15
				1	37	21.13
				1	74	21.13
				36	0	21.13
				36	29	21.13
				36	30	21.13
				75	0	21.13

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	132072	20	1	0	22.77
				1	49	22.82
				1	99	22.88
				50	0	21.90
				50	24	21.75
				50	50	21.84
	1755	132422		100	0	21.91
				1	0	23.08
				1	49	22.98
				1	99	22.97
				50	0	22.06
				50	24	22.08
	1770	132572		50	50	22.13
				100	0	22.06
				1	0	23.33
				1	49	22.99
				1	99	23.00
				50	0	22.19
16QAM	1720	132072	50	24	22.06	
			50	50	22.13	
			100	0	22.11	
			1	0	22.59	
			1	49	22.53	
			1	99	22.44	
	1755	132422	50	0	20.90	
			50	24	20.89	
			50	50	20.92	
			100	0	20.90	
			1	0	22.74	
			1	49	22.67	
	1770	132572	1	99	22.64	
			50	0	21.12	
			50	24	21.15	
			50	50	21.13	
			100	0	21.11	
			1	0	22.88	
1	49	22.57				
1	99	22.57				
50	0	21.24				
50	24	21.07				
50	50	21.08				
100	0	21.15				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1720	132072	20	1	0	20.90
				1	49	20.91
				1	99	20.89
				50	0	20.89
				50	24	20.91
				50	50	20.90
				100	0	20.98
	1755	132422		1	0	21.09
				1	49	21.18
				1	99	21.18
				50	0	21.08
				50	24	21.18
				50	50	21.13
				100	0	21.17
	1770	132572		1	0	21.15
				1	49	21.16
				1	99	21.16
				50	0	21.15
				50	24	21.15
				50	50	21.15
				100	0	21.14

## 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	1.088	Fig.1	1.082	Fig.2	1.082	Fig.3
	1755	132422		6	0	1.076	Fig.4	1.082	Fig.5	1.088	Fig.6
	1779.3	132665		6	0	1.088	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	4.493	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	8.944	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	8.987	Fig.34	8.944	Fig.35	8.987	Fig.36
	1717.5	132047	15	75	0	13.415	Fig.37	13.415	Fig.38	13.415	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	13.415	Fig.45
	1720	132072	20	100	0	17.887	Fig.46	17.887	Fig.47	17.887	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	17.800	Fig.53	17.887	Fig.54

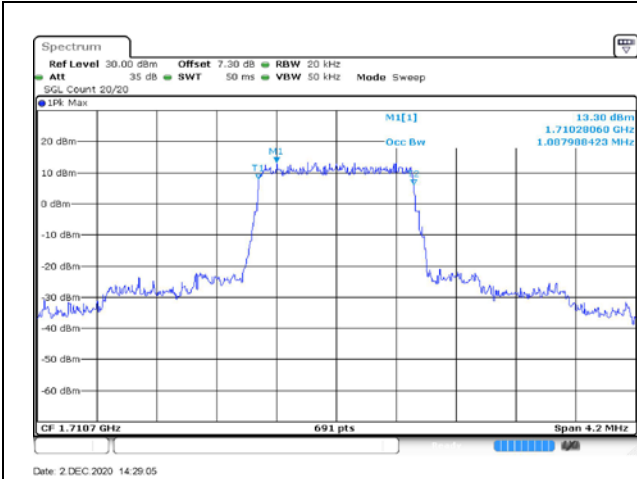


Fig.1

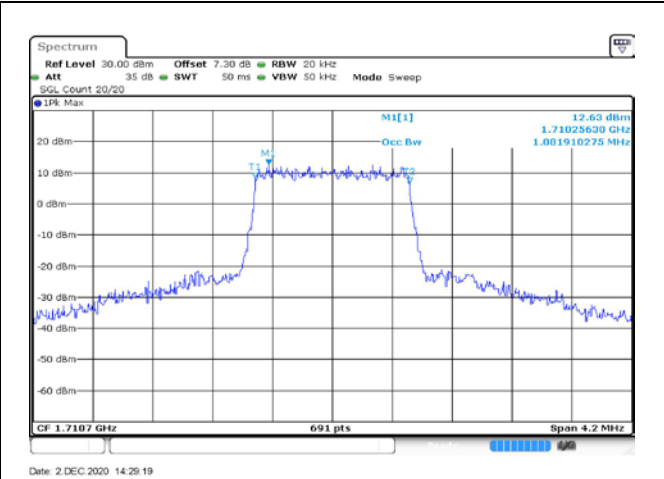


Fig.2

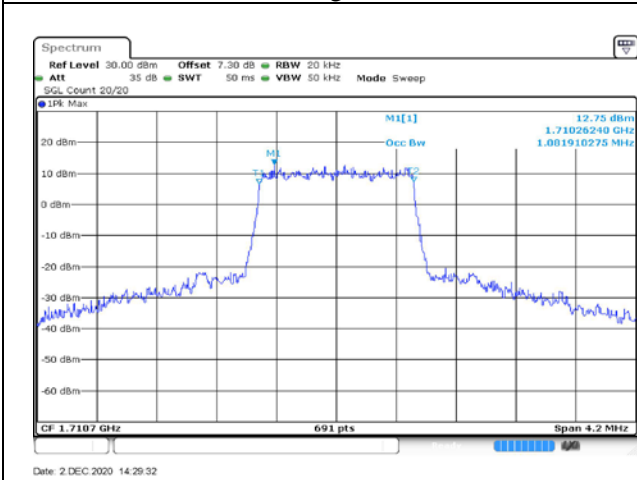


Fig.3

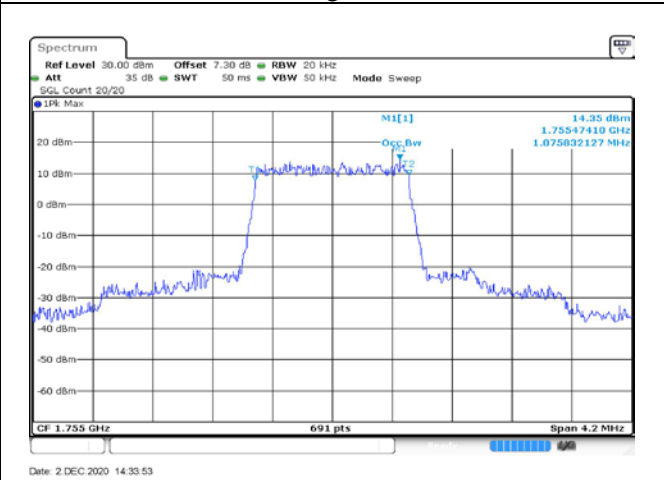


Fig.4

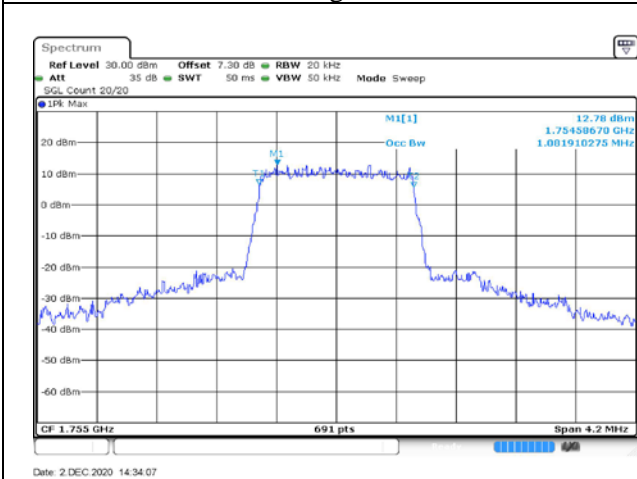


Fig.5

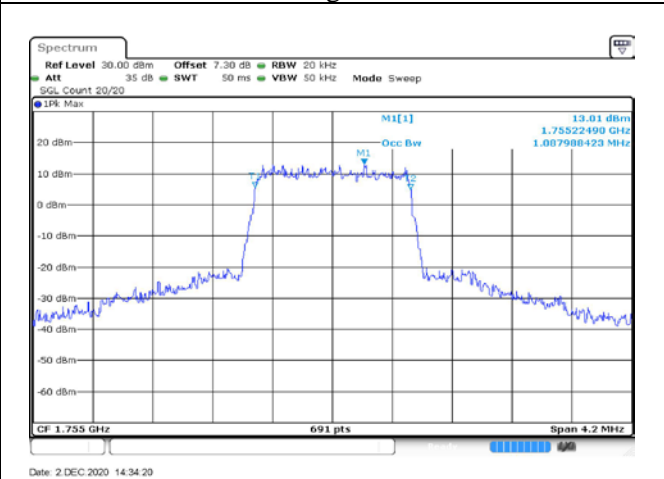


Fig.6

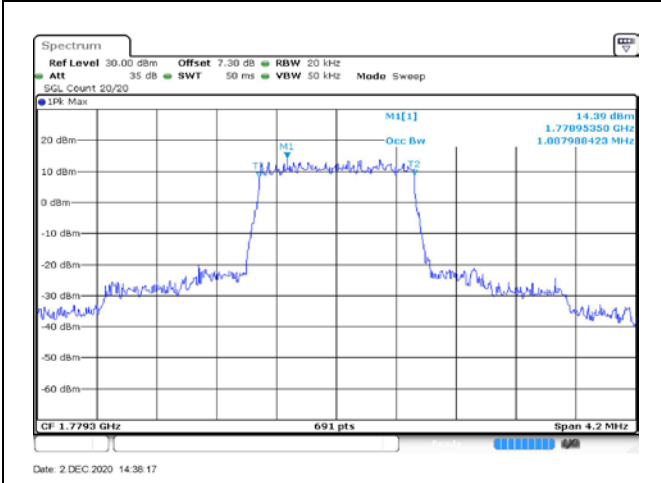


Fig.7

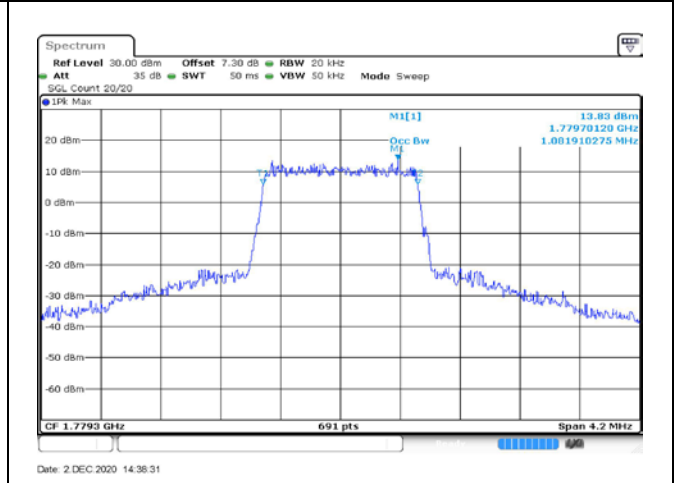


Fig.8

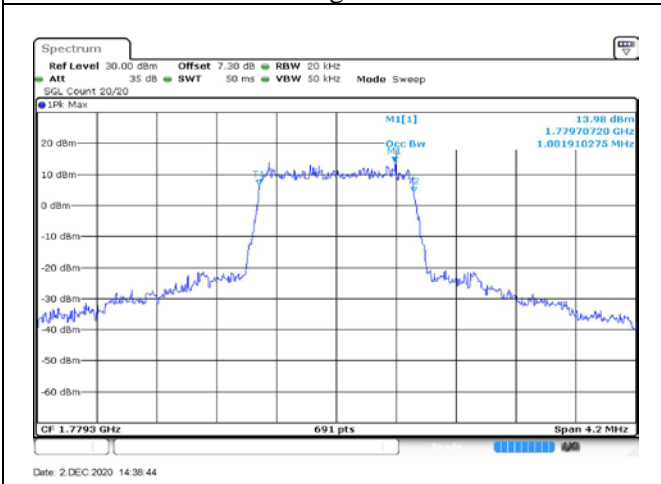


Fig.9

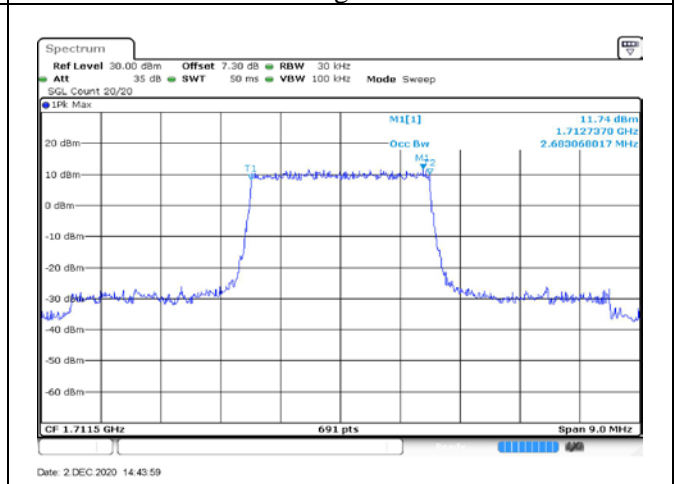


Fig.10

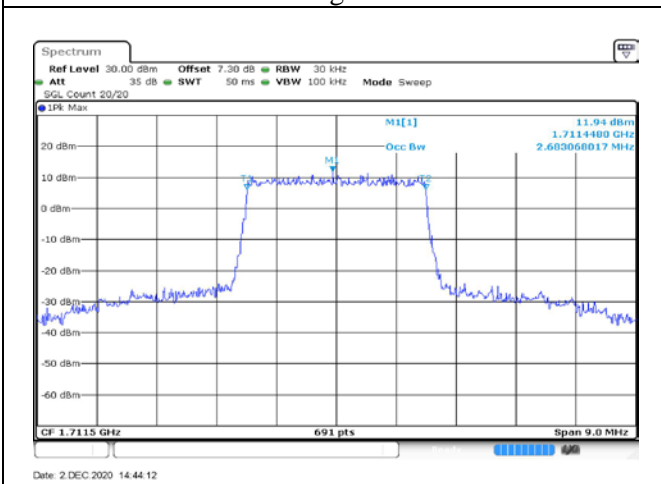


Fig.11

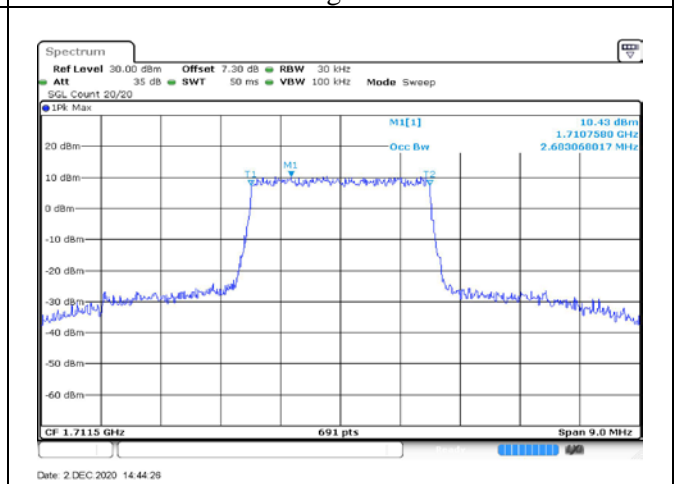
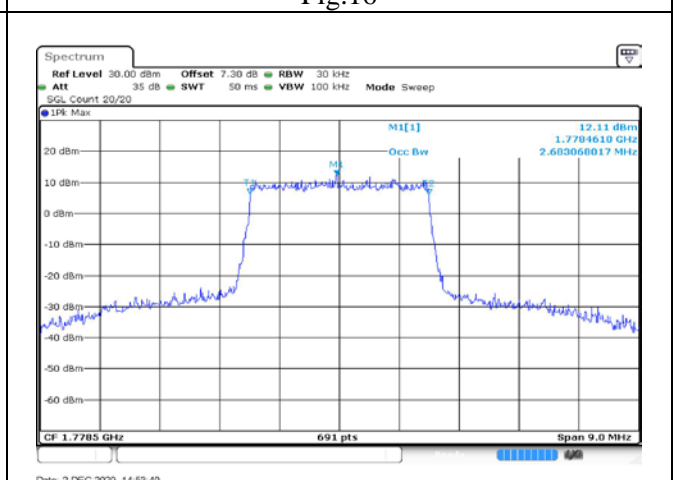
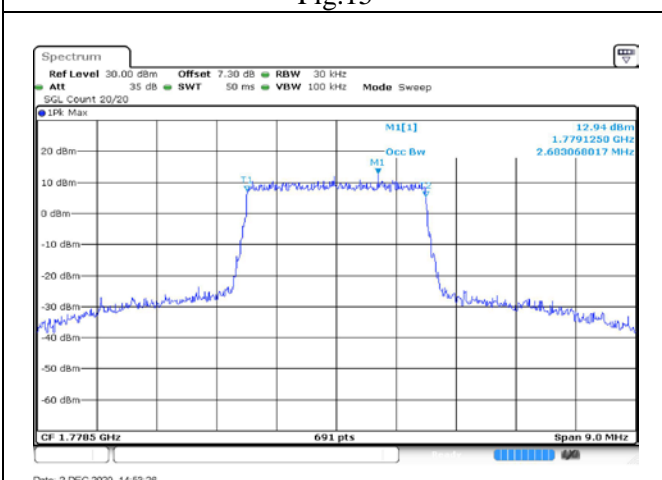
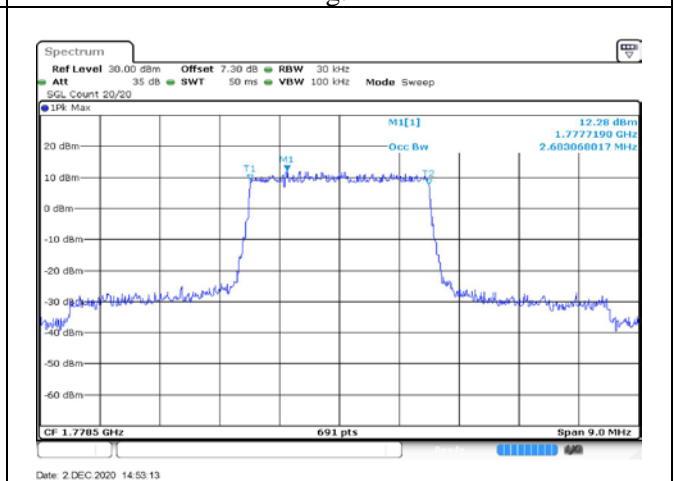
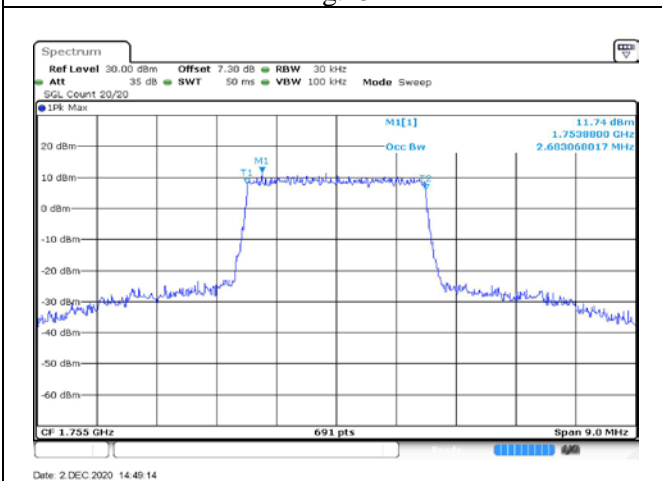
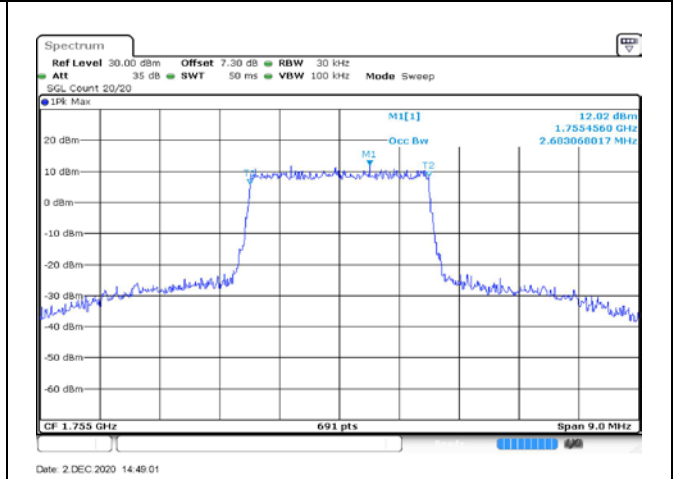
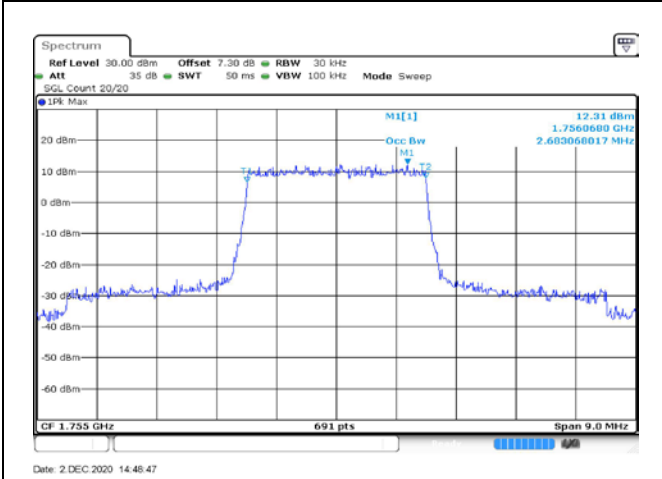


Fig.12





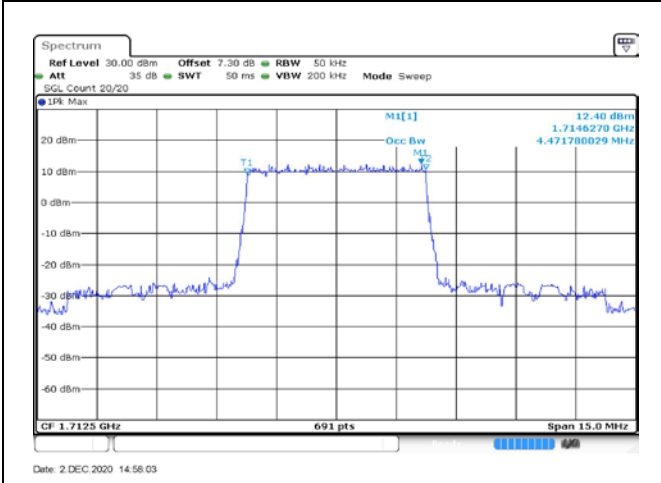


Fig.19

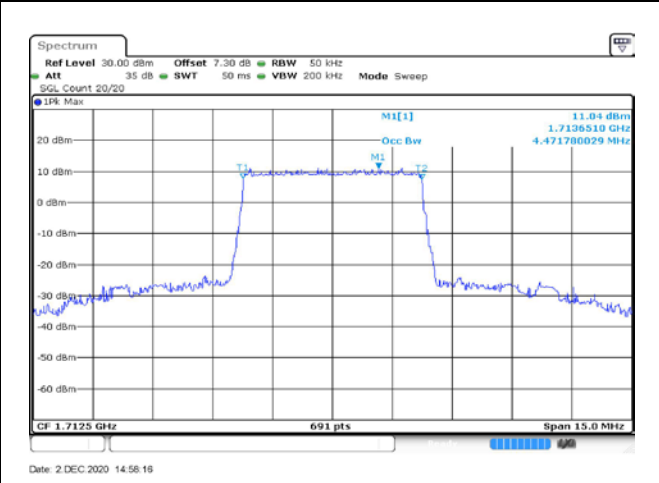


Fig.20

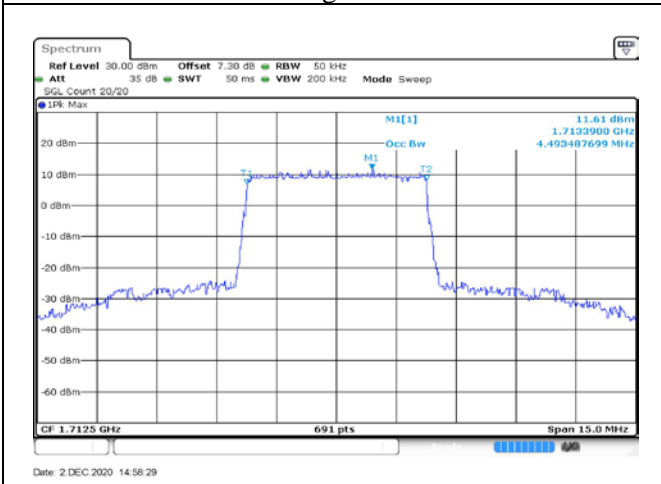


Fig.21

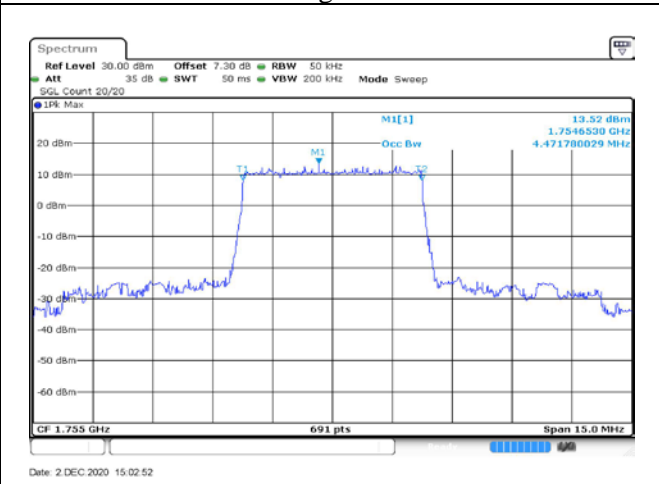


Fig.22

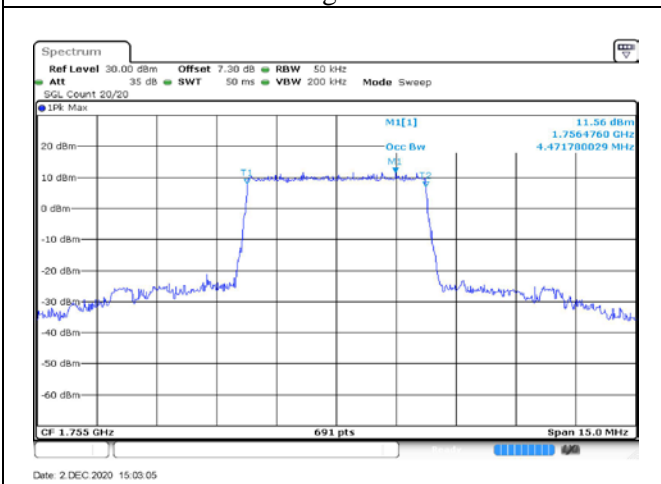


Fig.23

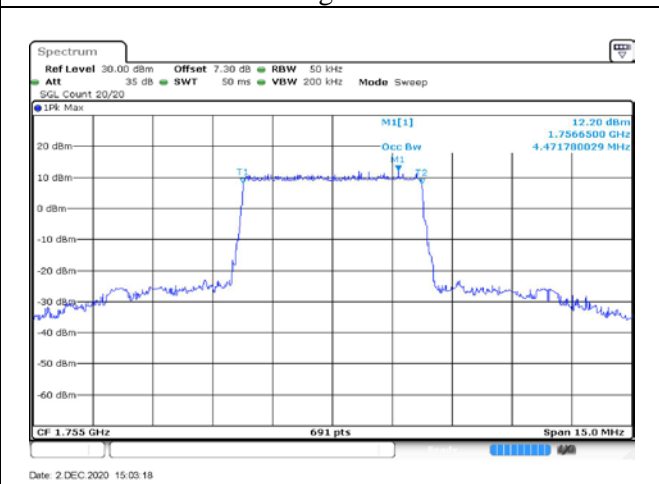


Fig.24

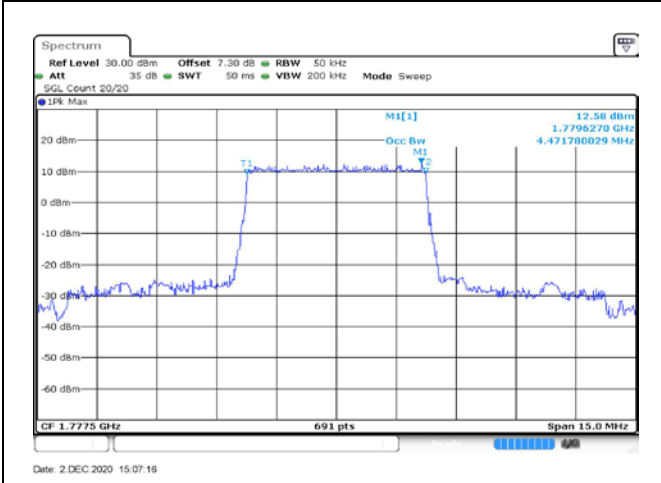


Fig.25

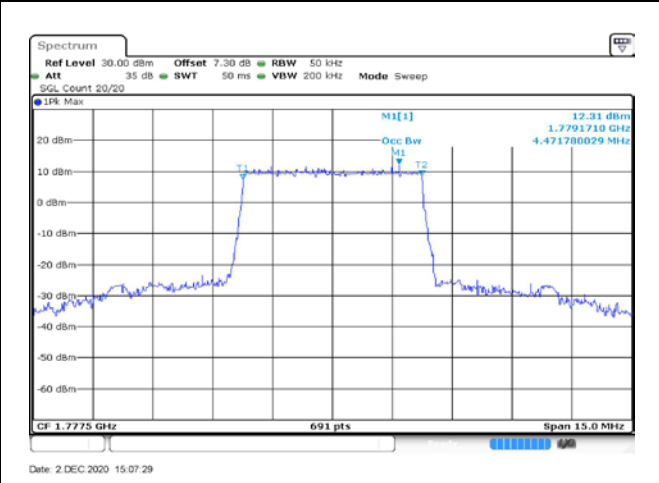


Fig.26

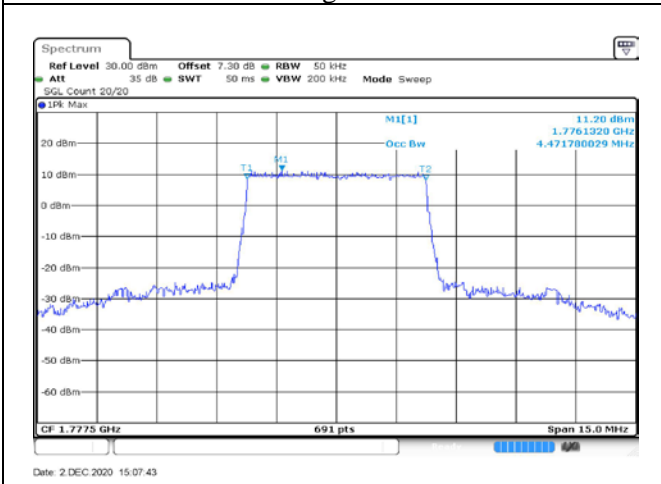


Fig.27

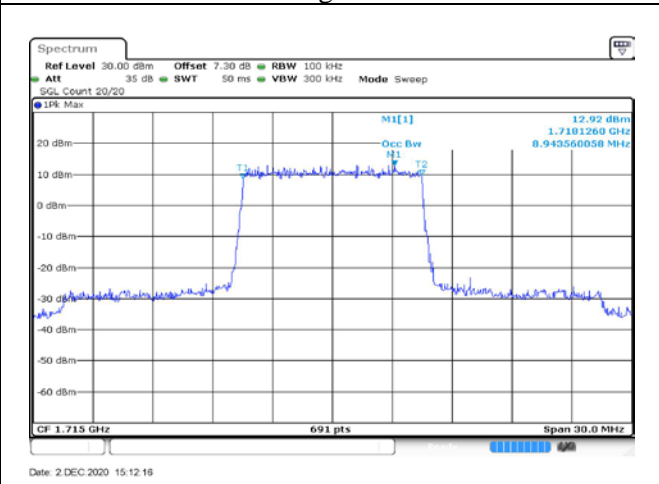


Fig.28

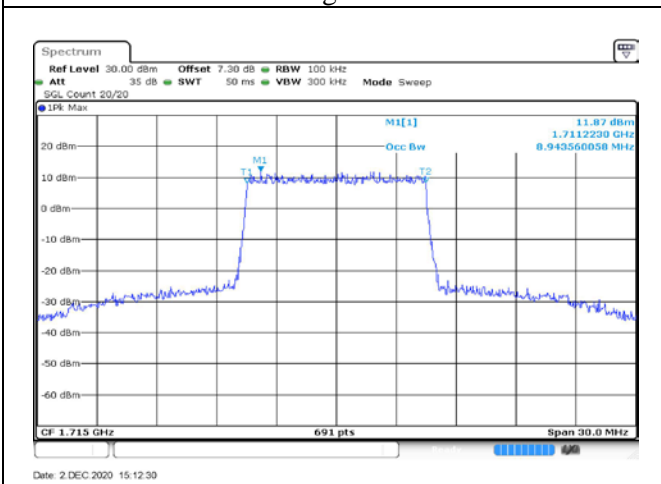


Fig.29

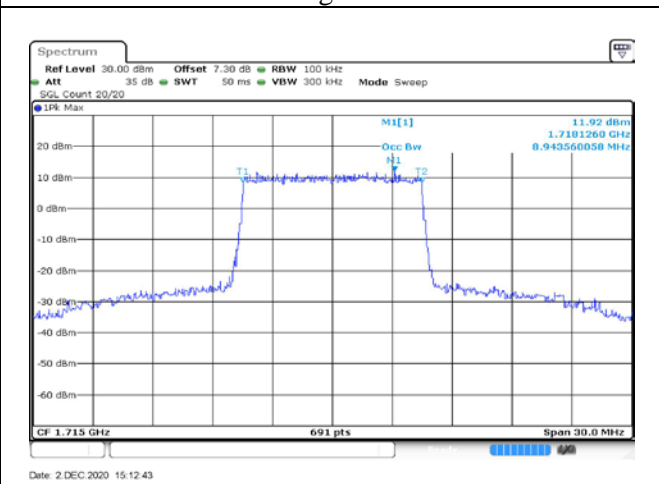


Fig.30

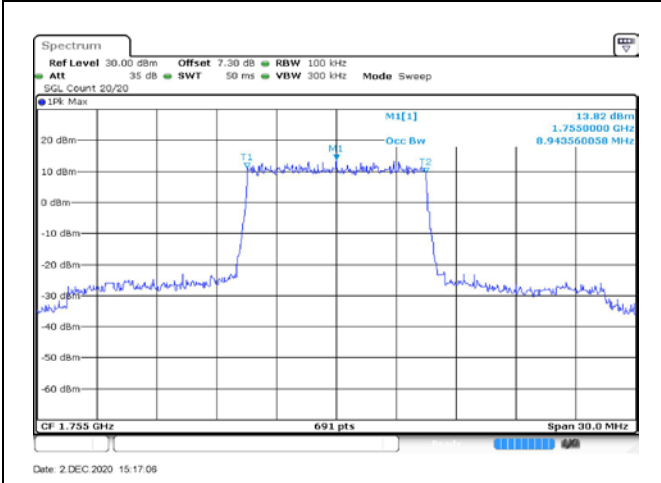


Fig.31

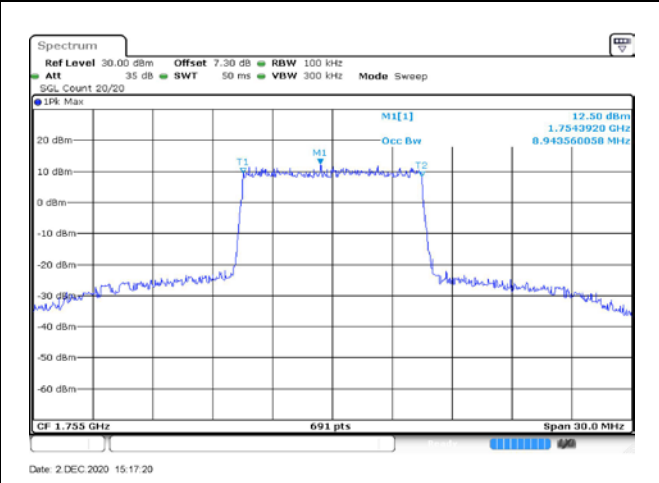


Fig.32

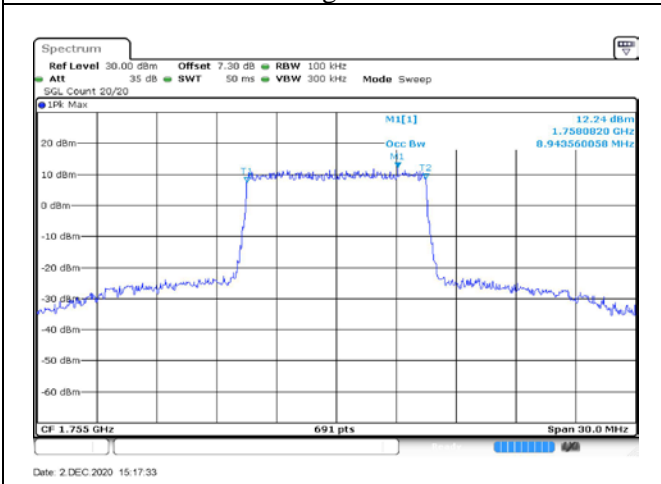


Fig.33

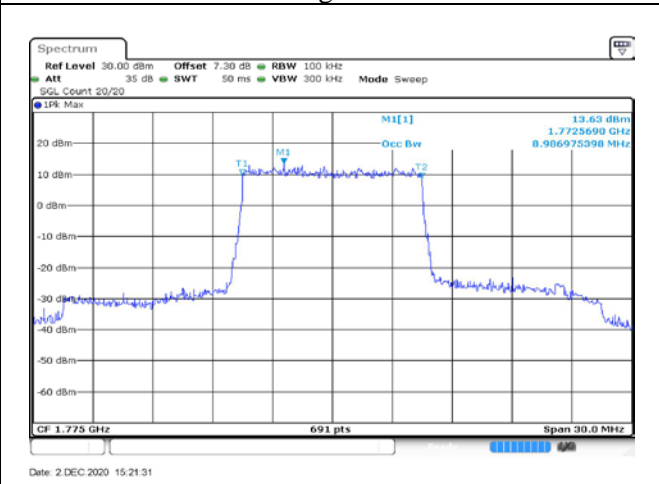


Fig.34

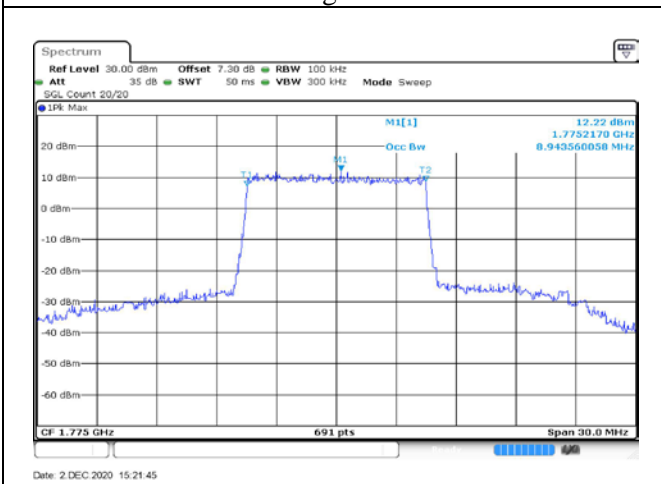


Fig.35

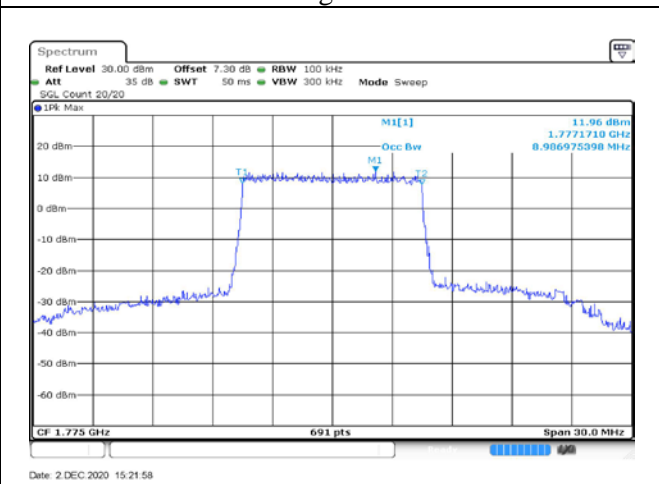


Fig.36

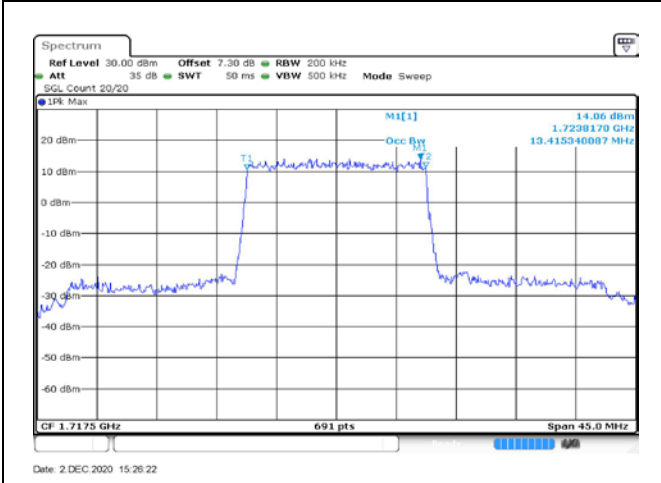


Fig.37

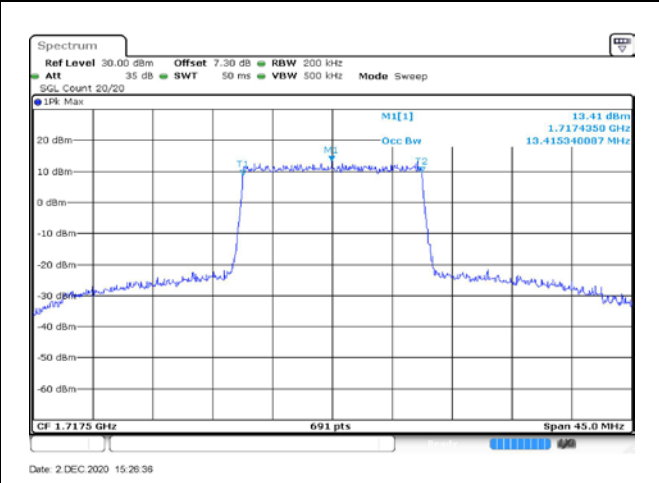


Fig.38

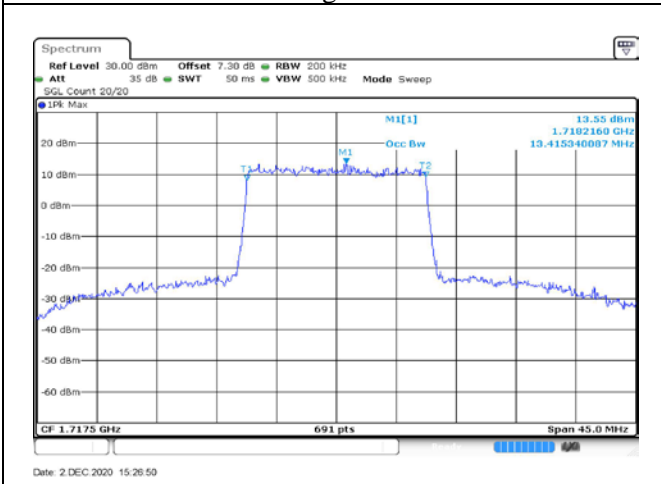


Fig.39

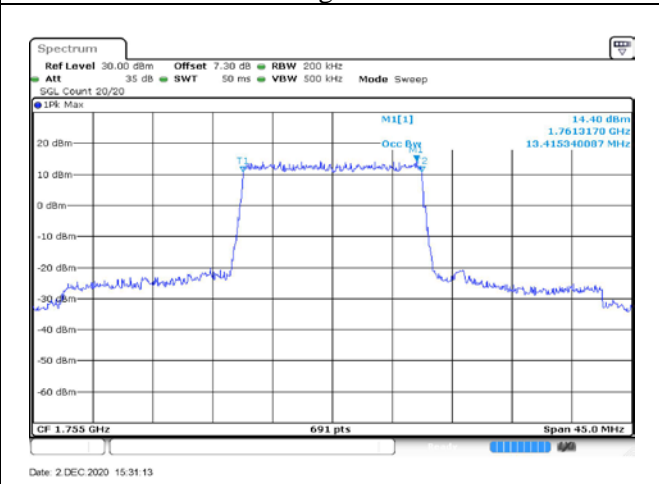


Fig.40

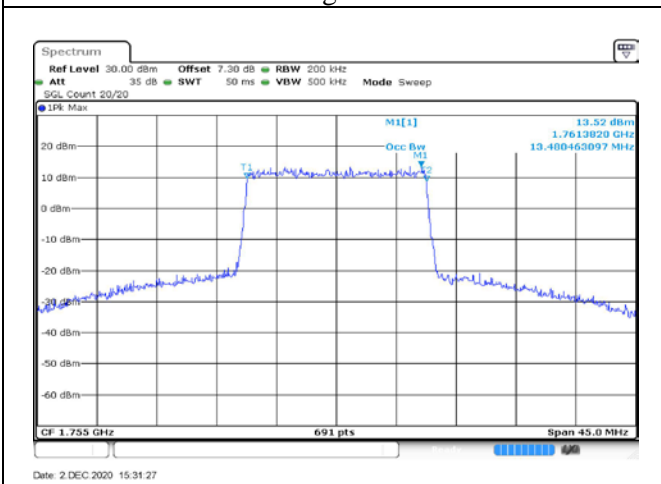


Fig.41

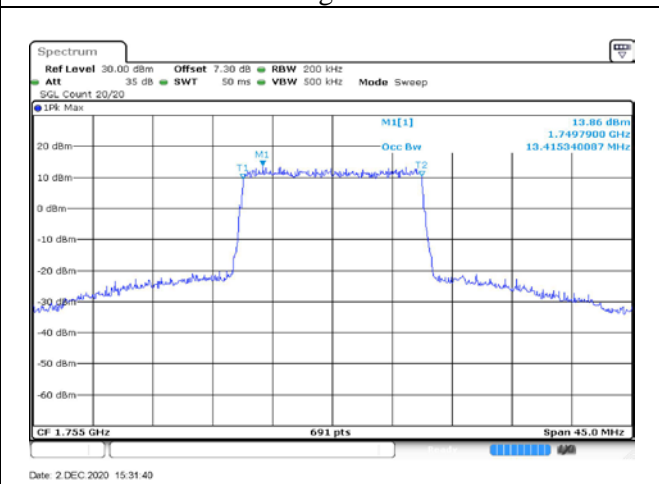


Fig.42

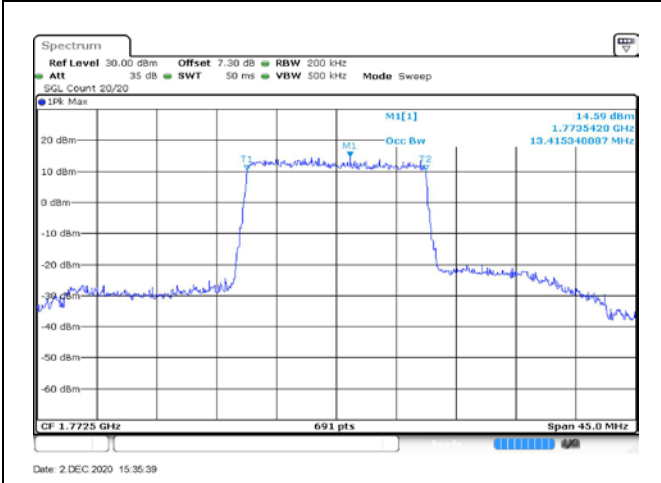


Fig.43

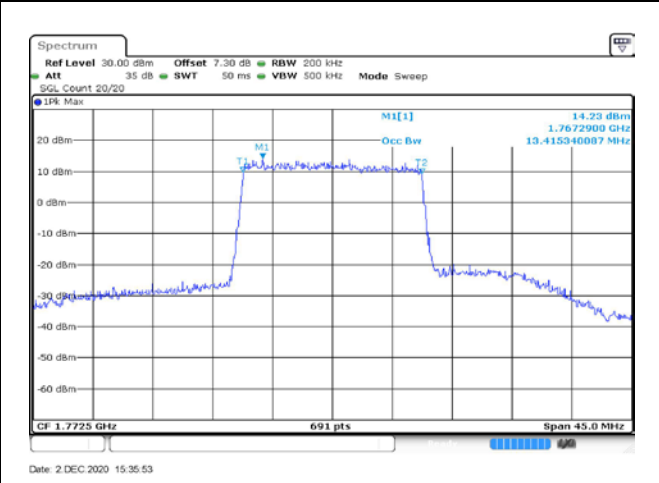


Fig.44

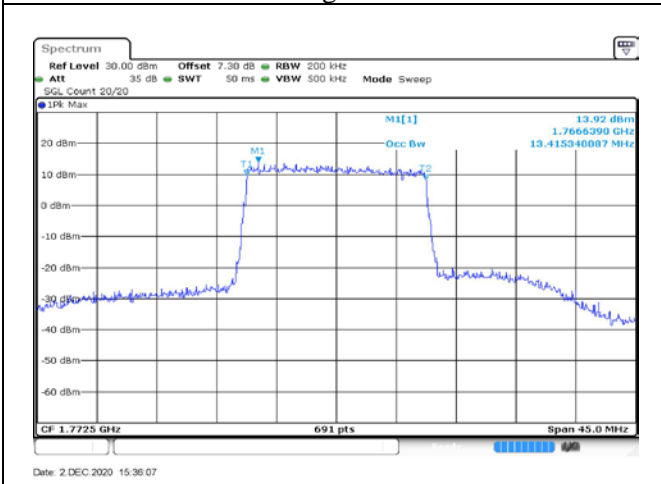


Fig.45

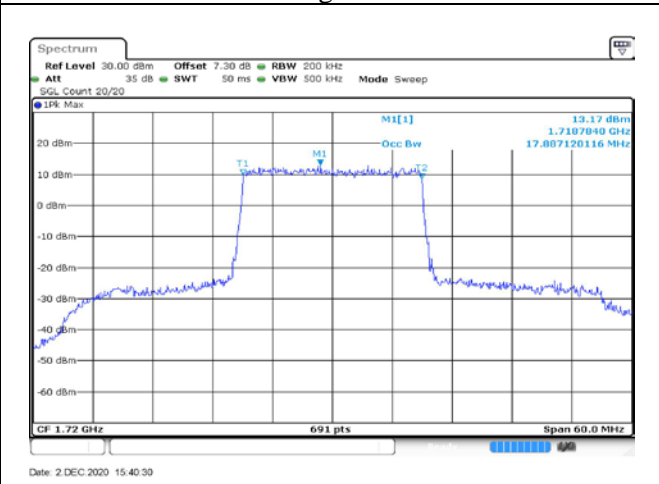


Fig.46

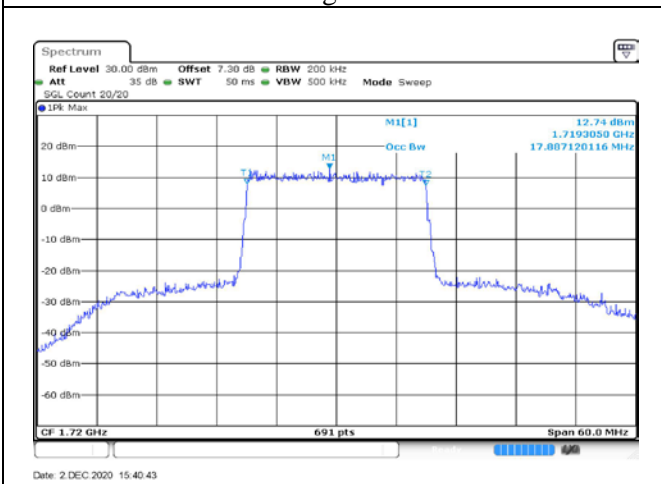


Fig.47

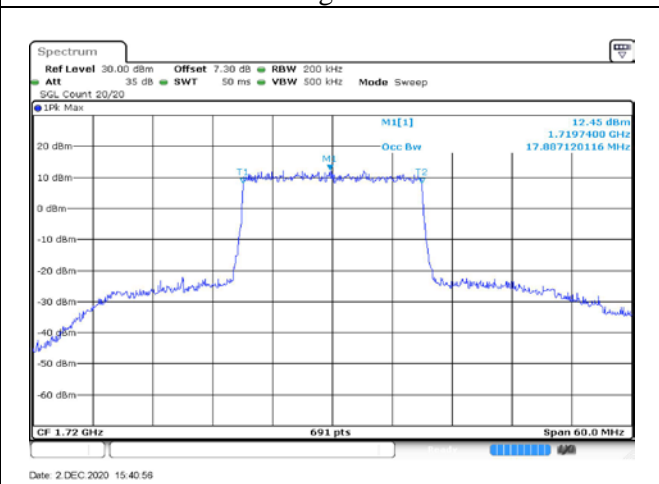


Fig.48

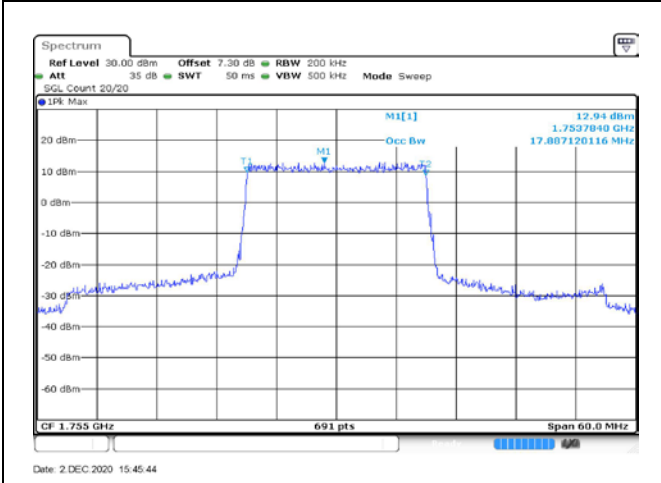


Fig.49

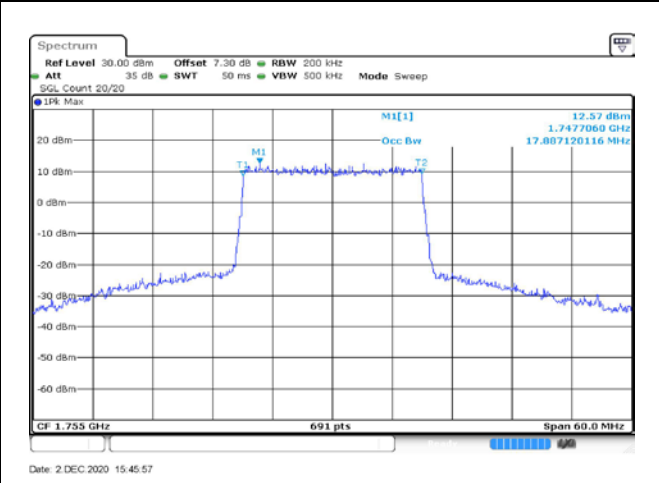


Fig.50

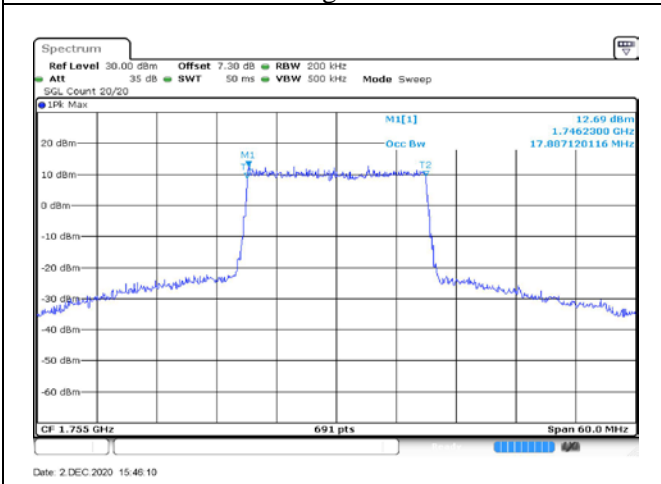


Fig.51

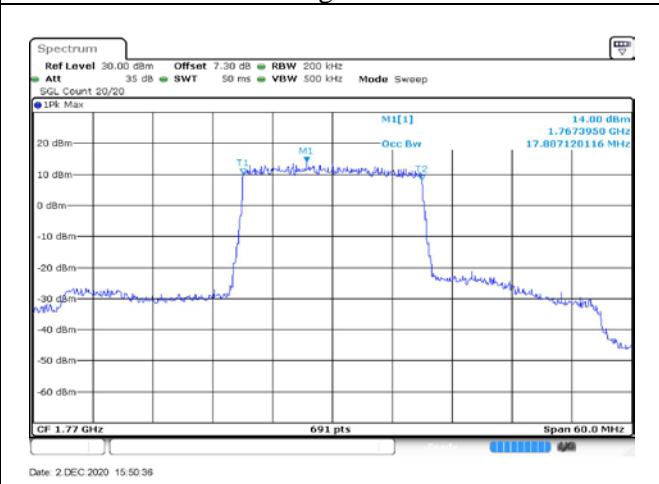


Fig.52

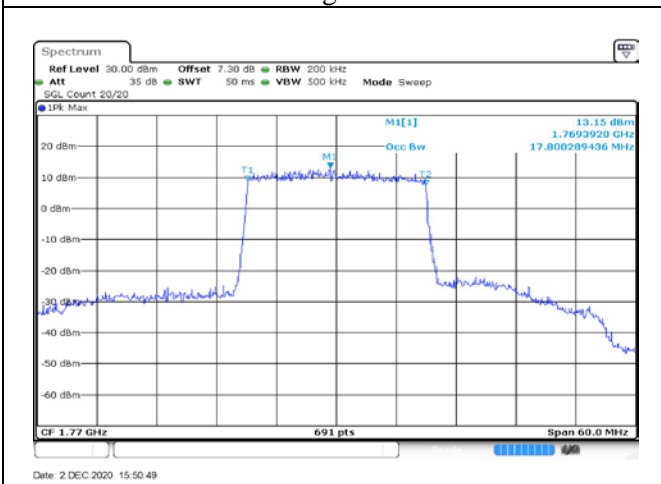


Fig.53

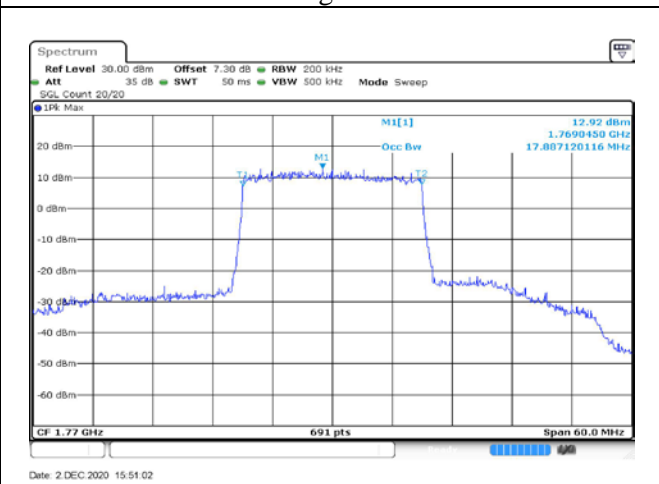


Fig.54

### 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	1.204	Fig.2	1.204	Fig.3
	1755	132422		6	0	1.210	Fig.4	1.222	Fig.5	1.234	Fig.6
	1779.3	132665		6	0	1.216	Fig.7	1.216	Fig.8	1.222	Fig.9
	1711.5	131987	3	15	0	2.944	Fig.10	2.904	Fig.11	2.957	Fig.12
	1755	132422		15	0	2.931	Fig.13	2.931	Fig.14	2.918	Fig.15
	1778.5	132657		15	0	2.944	Fig.16	2.904	Fig.17	2.957	Fig.18
	1712.5	131997	5	25	0	4.841	Fig.19	4.906	Fig.20	4.906	Fig.21
	1755	132422		25	0	4.841	Fig.22	4.884	Fig.23	4.863	Fig.24
	1777.5	132647		25	0	4.863	Fig.25	4.884	Fig.26	4.884	Fig.27
	1715	132022	10	50	0	9.595	Fig.28	9.595	Fig.29	9.595	Fig.30
	1755	132422		50	0	9.725	Fig.31	9.638	Fig.32	9.595	Fig.33
	1775	132622		50	0	9.682	Fig.34	9.551	Fig.35	9.638	Fig.36
	1717.5	132047	15	75	0	14.653	Fig.37	14.327	Fig.38	14.522	Fig.39
	1755	132422		75	0	14.653	Fig.40	14.522	Fig.41	14.588	Fig.42
	1772.5	132597		75	0	14.457	Fig.43	14.457	Fig.44	14.457	Fig.45
	1720	132072	20	100	0	19.363	Fig.46	19.190	Fig.47	19.103	Fig.48
	1755	132422		100	0	19.190	Fig.49	19.190	Fig.50	19.363	Fig.51
	1770	132572		100	0	19.276	Fig.52	19.016	Fig.53	19.016	Fig.54

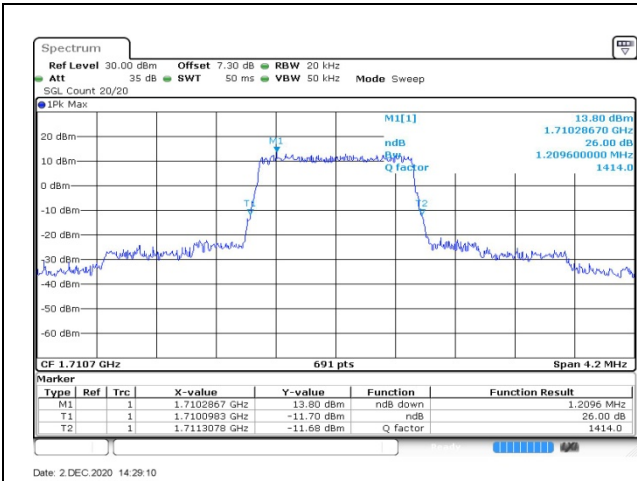


Fig.1

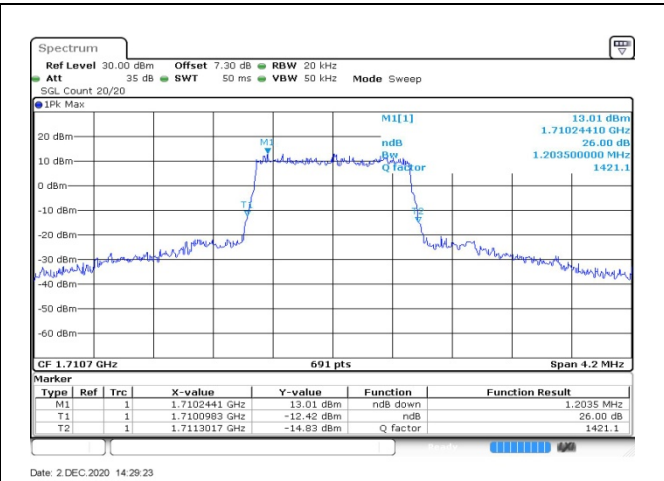


Fig.2

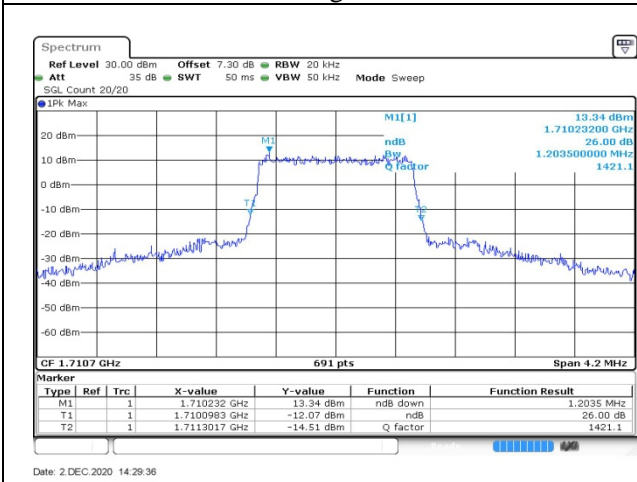


Fig.3

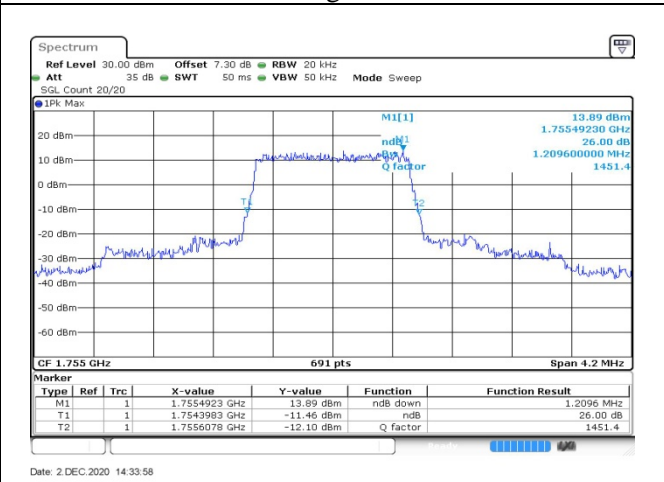


Fig.4

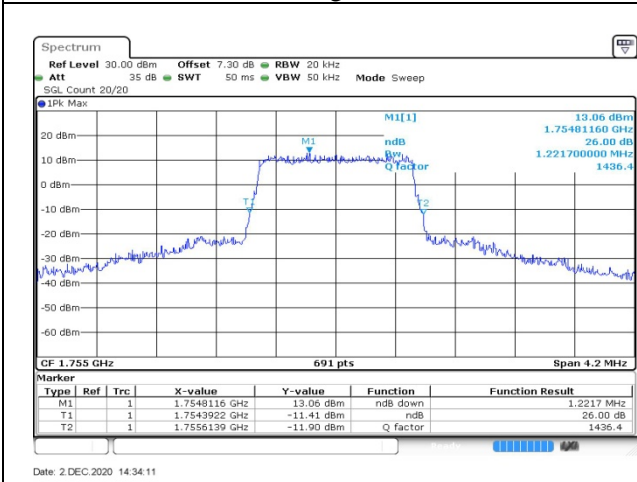


Fig.5

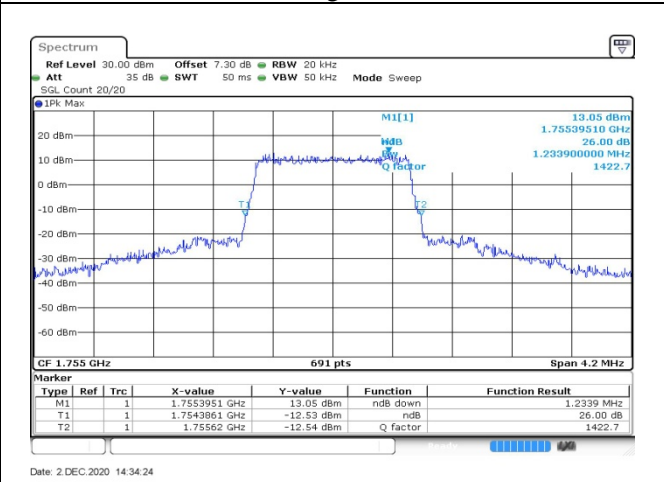


Fig.6