

**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	24.01
				1	3	23.93
				1	5	23.99
				3	0	24.08
				3	1	23.99
				3	3	24.17
	1755	132422		6	0	22.98
				1	0	24.15
				1	3	24.10
				1	5	24.08
				3	0	24.27
				3	1	24.35
	1779.3	132665		3	3	24.27
				6	0	23.28
				1	0	24.07
				1	3	24.10
				1	5	24.08
				3	0	24.20
16QAM	1710.7	131979	3	1	24.22	
			3	3	24.34	
			6	0	23.22	
			1	0	23.07	
			1	3	23.05	
			1	5	23.08	
	1755	132422	3	0	22.95	
			3	1	22.96	
			3	3	22.95	
			6	0	22.04	
			1	0	23.20	
			1	3	23.29	
	1779.3	132665	1	5	23.26	
			3	0	23.31	
			3	1	23.28	
			3	3	23.24	
			6	0	22.14	
			1	0	23.21	
1	3	23.24				
1	5	23.19				
3	0	23.21				
3	1	23.20				
3	3	23.39				
6	0	22.11				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1710.7	131979	1.4	1	0	22.11
				1	3	22.16
				1	5	22.03
				3	0	22.05
				3	1	22.11
				3	3	22.11
	1755	132422		6	0	22.05
				1	0	22.10
				1	3	22.23
				1	5	22.12
				3	0	22.12
				3	1	22.15
	1779.3	132665		3	3	22.26
				6	0	22.17
				1	0	22.16
				1	3	22.04
				1	5	22.07
				3	0	22.08
				3	1	22.08
				3	3	22.10
				6	0	22.05

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	131987	3	1	0	23.96
				1	8	23.83
				1	14	23.91
				8	0	22.98
				8	4	22.91
				8	7	22.96
	15	0		22.96		
	1755	132422		1	0	24.16
				1	8	24.13
				1	14	24.17
				8	0	23.22
				8	4	23.24
				8	7	23.16
	1778.5	132657		15	0	23.24
				1	0	24.18
1			8	24.09		
1			14	24.12		
8			0	23.13		
8			4	23.12		
16QAM	1711.5	131987	8	7	23.14	
			15	0	23.15	
			1	0	23.09	
			1	8	22.98	
			1	14	22.96	
			8	0	21.97	
	1755	132422	8	4	21.93	
			8	7	21.96	
			15	0	22.02	
			1	0	23.31	
			1	8	23.30	
			1	14	23.30	
	1778.5	132657	8	0	22.24	
			8	4	22.27	
			8	7	22.19	
15			0	22.17		
1			0	23.30		
1			8	23.18		
			1	14	23.19	
			8	0	22.21	
			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)
64QAM	1711.5	131987	3	1	0	22.04
				1	8	21.96
				1	14	22.00
				8	0	22.03
				8	4	21.94
				8	7	22.03
				15	0	22.06
	1755	132422		1	0	22.28
				1	8	22.23
				1	14	22.20
				8	0	22.28
				8	4	22.22
				8	7	22.24
				15	0	22.24
	1778.5	132657		1	0	22.25
				1	8	22.21
				1	14	22.26
				8	0	22.17
				8	4	22.24
				8	7	22.25
				15	0	22.25

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	131997	5	1	0	23.84
				1	12	23.73
				1	24	23.77
				12	0	22.95
				12	7	22.89
				12	13	22.93
	1755	132422		25	0	22.95
				1	0	24.10
				1	12	24.11
				1	24	24.07
				12	0	23.16
				12	7	23.22
	1777.5	132647		12	13	23.17
				25	0	23.21
				1	0	24.02
				1	12	23.98
				1	24	23.97
				12	0	23.10
16QAM	1712.5	131997	12	7	23.19	
			12	13	23.18	
			25	0	23.14	
			1	0	22.90	
			1	12	22.90	
			1	24	22.84	
	1755	132422	12	0	21.97	
			12	7	21.88	
			12	13	21.88	
			25	0	21.98	
			1	0	23.16	
			1	12	23.16	
	1777.5	132647	1	24	23.17	
			12	0	22.09	
			12	7	22.20	
			12	13	22.12	
			25	0	22.22	
			1	0	23.21	
			1	12	23.04	
			1	24	23.10	
			12	0	22.08	
			12	7	22.04	
			12	13	22.13	
			25	0	22.15	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1712.5	131997	5	1	0	21.99
				1	12	21.96
				1	24	21.90
				12	0	21.98
				12	7	21.97
				12	13	21.95
				25	0	21.95
	1755	132422		1	0	22.29
				1	12	22.23
				1	24	22.19
				12	0	22.25
				12	7	22.18
				12	13	22.23
				25	0	22.26
	1777.5	132647		1	0	22.25
				1	12	22.12
				1	24	22.17
				12	0	22.16
				12	7	22.21
				12	13	22.20
				25	0	22.16

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	132022	10	1	0	23.94
				1	25	23.87
				1	49	23.82
				25	0	23.08
				25	12	22.99
				25	25	23.01
	1755	132422		50	0	23.05
				1	0	24.09
				1	25	24.15
				1	49	24.14
				25	0	23.19
				25	12	23.25
	1775	132622		25	25	23.26
				50	0	23.19
				1	0	24.20
				1	25	24.09
				1	49	24.05
				25	0	23.29
16QAM	1715	132022	25	12	23.19	
			25	25	23.22	
			50	0	23.31	
			1	0	23.04	
			1	25	22.98	
			1	49	22.97	
	1755	132422	25	0	22.22	
			25	12	22.16	
			25	25	22.09	
			50	0	22.05	
			1	0	23.30	
			1	25	23.27	
	1775	132622	1	49	23.27	
			25	0	22.26	
			25	12	22.36	
			25	25	22.35	
			50	0	22.22	
			1	0	23.30	
			1	25	23.15	
			1	49	23.18	
			25	0	22.41	
			25	12	22.31	
			25	25	22.36	
			50	0	22.37	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1715	132022	10	1	0	22.07
				1	25	22.11
				1	49	22.12
				25	0	22.06
				25	12	22.14
				25	25	22.10
				50	0	22.09
	1755	132422		1	0	22.29
				1	25	22.27
				1	49	22.22
				25	0	22.25
				25	12	22.28
				25	25	22.28
				50	0	22.27
	1775	132622		1	0	22.30
				1	25	22.26
				1	49	22.28
				25	0	22.31
				25	12	22.32
				25	25	22.27
				50	0	22.27

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	132047	15	1	0	23.93
				1	37	23.60
				1	74	23.64
				36	0	22.97
				36	29	22.87
				36	30	22.94
	1755	132422		75	0	23.03
				1	0	24.07
				1	37	24.10
				1	74	24.09
				36	0	23.12
				36	29	23.28
	1772.5	132597		36	30	23.24
				75	0	23.20
				1	0	24.09
				1	37	23.90
				1	74	23.94
				36	0	23.28
16QAM	1717.5	132047	36	29	23.17	
			36	30	23.22	
			75	0	23.32	
			1	0	23.34	
			1	37	23.13	
			1	74	23.11	
	1755	132422	36	0	21.90	
			36	29	21.90	
			36	30	21.84	
			75	0	21.88	
			1	0	23.65	
			1	37	23.48	
	1772.5	132597	1	74	23.48	
			36	0	22.21	
			36	29	22.15	
			36	30	22.15	
			75	0	22.19	
			1	0	23.59	
			1	37	23.46	
			1	74	23.46	
			36	0	22.26	
			36	29	22.11	
			36	30	22.19	
			75	0	22.19	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1717.5	132047	15	1	0	21.92
				1	37	21.87
				1	74	21.87
				36	0	21.95
				36	29	21.89
				36	30	21.91
				75	0	21.88
	1755	132422		1	0	22.16
				1	37	22.12
				1	74	22.23
				36	0	22.18
				36	29	22.11
				36	30	22.16
				75	0	22.15
	1772.5	132597		1	0	22.17
				1	37	22.23
				1	74	22.23
				36	0	22.24
				36	29	22.15
				36	30	22.26
				75	0	22.23

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	132072	20	1	0	23.80
				1	49	23.50
				1	99	23.52
				50	0	22.88
				50	24	22.96
				50	50	22.93
	100	0		22.86		
	1	0		23.97		
	1	49		23.98		
	1	99		23.96		
	50	0		23.08		
	50	24		23.07		
	50	50		23.10		
	100	0		23.13		
	1	0		23.97		
	1	49		23.86		
	1	99		23.85		
	50	0		23.34		
50	24	23.14				
50	50	23.09				
100	0	23.23				
16QAM	1720	132072	1	0	23.36	
			1	49	23.11	
			1	99	23.17	
			50	0	21.91	
			50	24	21.92	
			50	50	21.84	
	100	0	21.89			
	1	0	23.62			
	1	49	23.54			
	1	99	23.53			
	50	0	22.03			
	50	24	22.09			
	50	50	22.16			
	100	0	22.11			
	1	0	23.59			
	1	49	23.45			
	1	99	23.44			
	50	0	22.33			
50	24	22.15				
50	50	22.16				
100	0	22.28				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1720	132072	20	1	0	21.89
				1	49	21.86
				1	99	21.87
				50	0	21.85
				50	24	21.83
				50	50	21.86
				100	0	21.94
	1755	132422		1	0	22.09
				1	49	22.15
				1	99	22.10
				50	0	22.19
				50	24	22.11
				50	50	22.15
				100	0	22.21
	1770	132572		1	0	22.21
				1	49	22.28
				1	99	22.21
				50	0	22.24
				50	24	22.26
				50	50	22.22
				100	0	22.20

## 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	1.088	Fig.4	1.082	Fig.5	1.082	Fig.6
	1779.3	132665		6	0	1.082	Fig.7	1.088	Fig.8	1.082	Fig.9
	1711.5	131987	3	15	0	2.683	Fig.10	2.683	Fig.11	2.670	Fig.12
	1755	132422		15	0	2.683	Fig.13	2.670	Fig.14	2.670	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	4.515	Fig.21
	1755	132422		25	0	4.472	Fig.22	4.493	Fig.23	4.493	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	13.480	Fig.37	13.480	Fig.38	13.480	Fig.39
	1755	132422		75	0	13.480	Fig.40	13.480	Fig.41	13.415	Fig.42
	1772.5	132597		75	0	13.480	Fig.43	13.415	Fig.44	13.480	Fig.45
	1720	132072	20	100	0	17.887	Fig.46	17.887	Fig.47	17.887	Fig.48
	1755	132422		100	0	17.800	Fig.49	17.800	Fig.50	17.800	Fig.51
	1770	132572		100	0	17.887	Fig.52	17.887	Fig.53	17.887	Fig.54

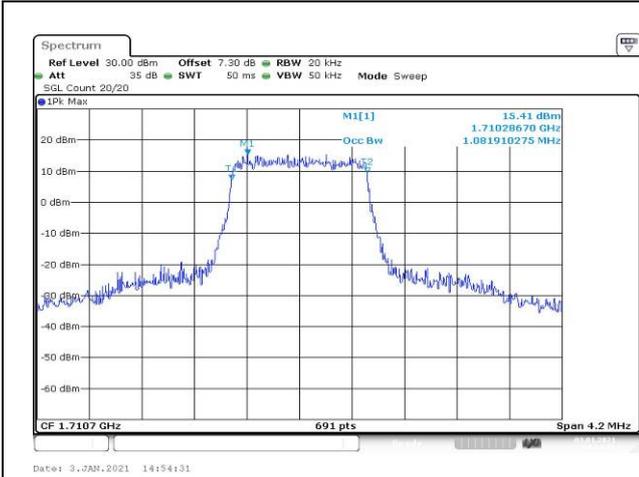


Fig.1

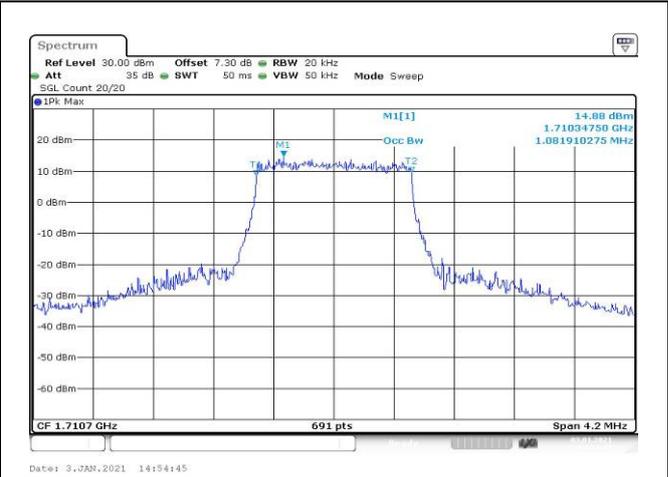


Fig.2

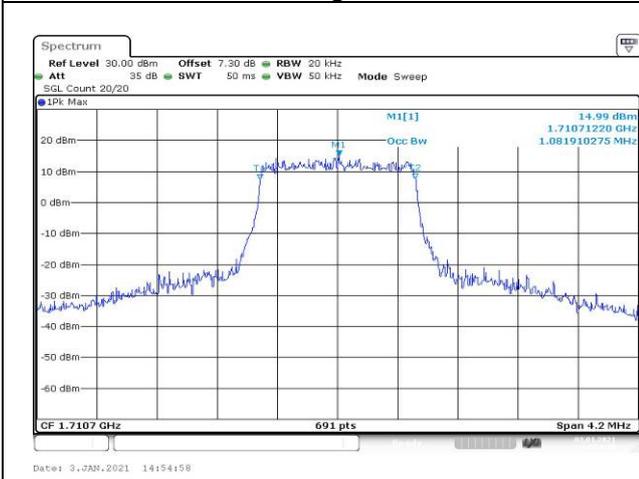


Fig.3

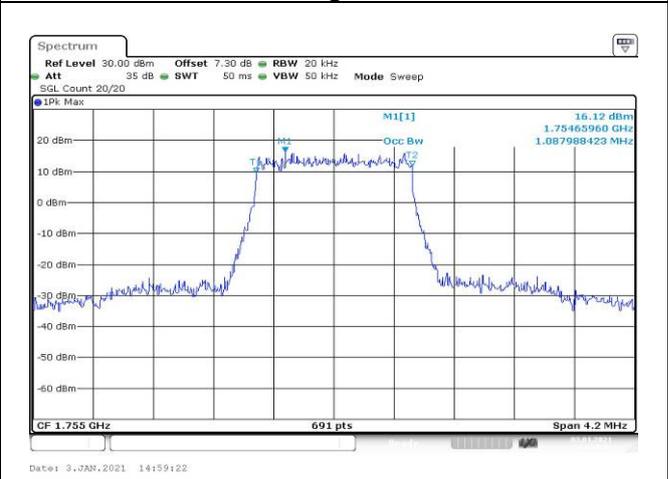


Fig.4

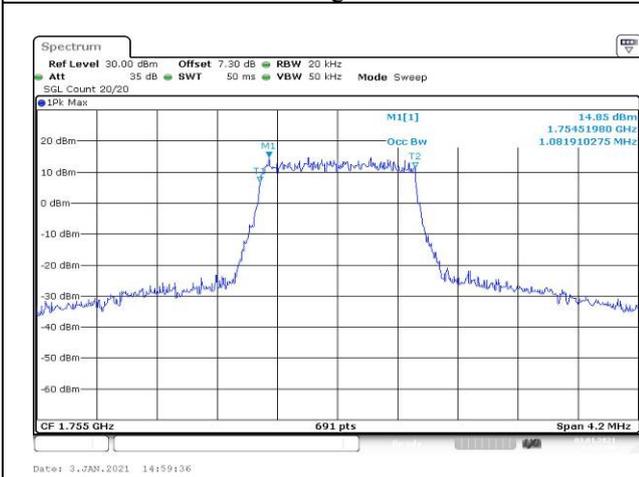


Fig.5

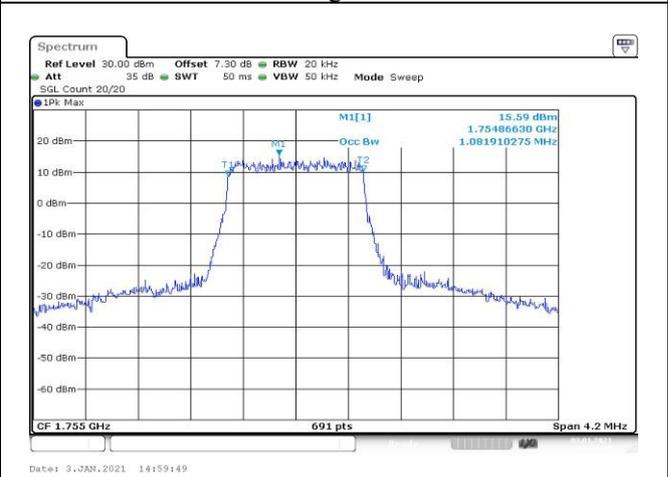


Fig.6

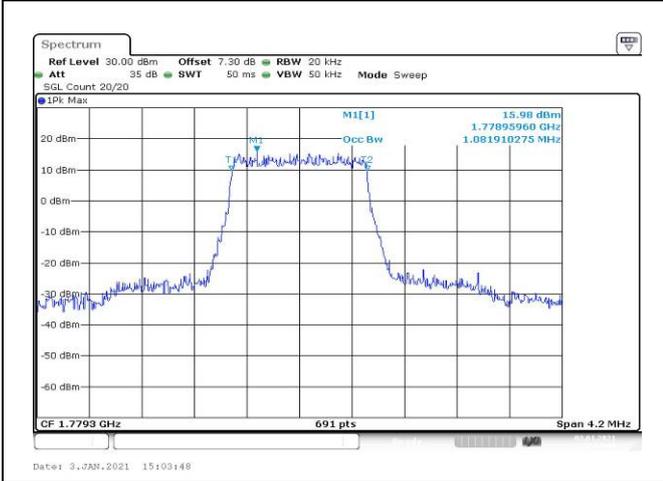


Fig.7

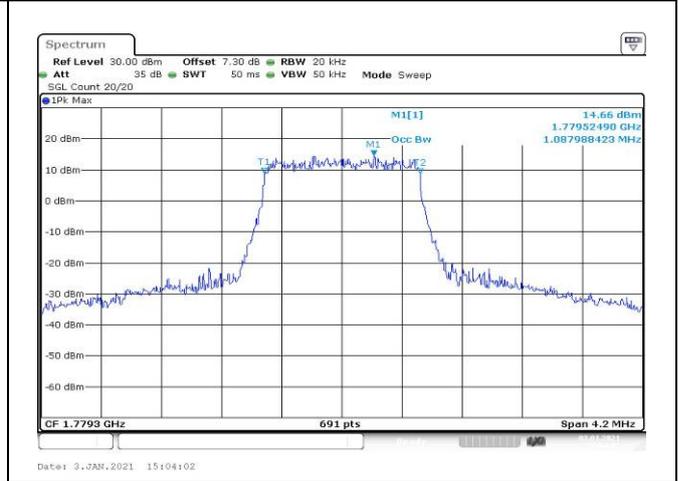


Fig.8

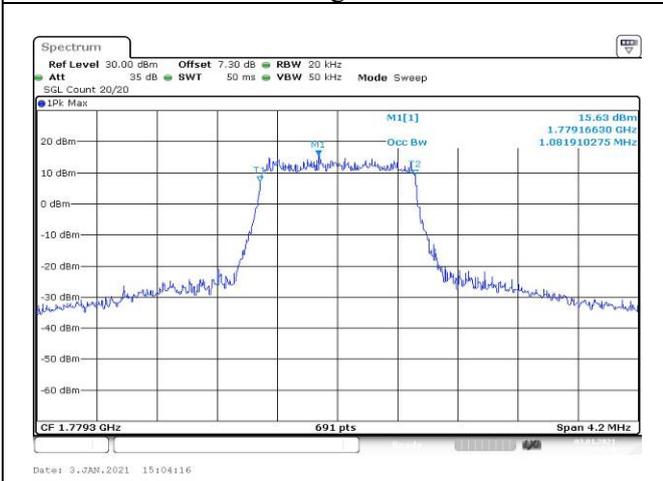


Fig.9

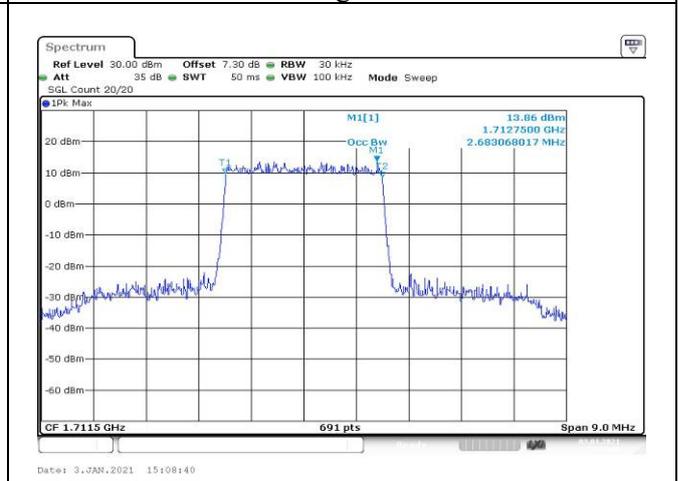


Fig.10

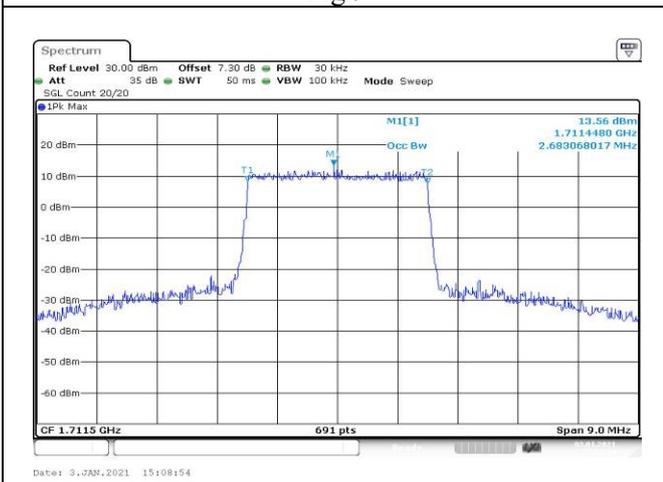


Fig.11

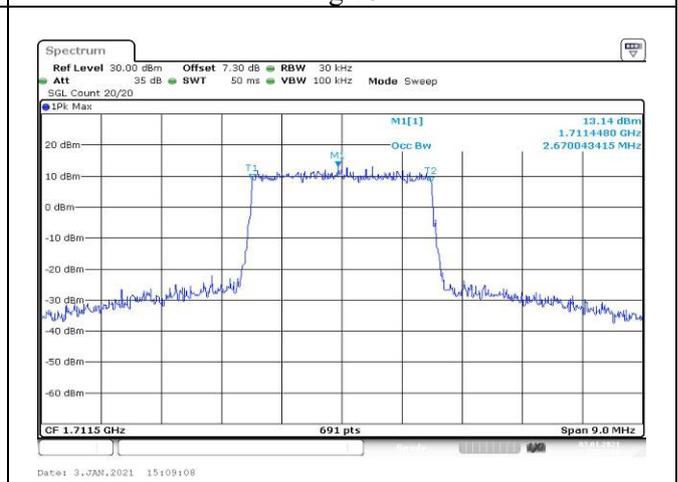


Fig.12

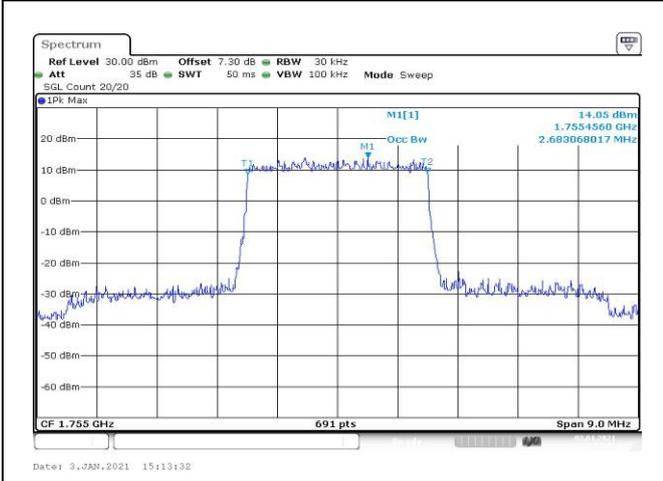


Fig.13

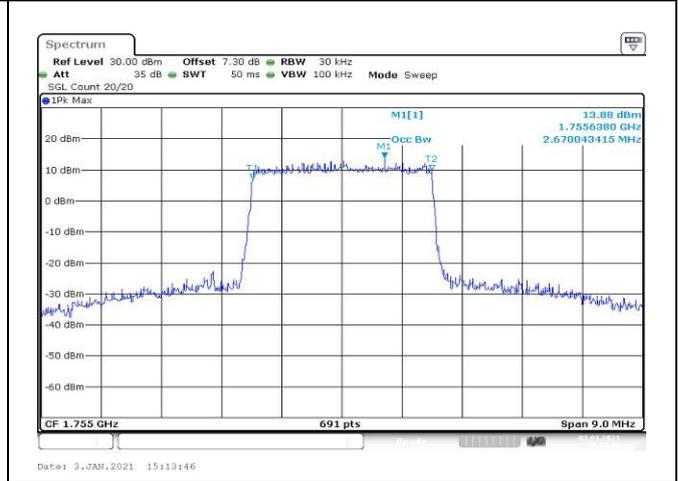


Fig.14

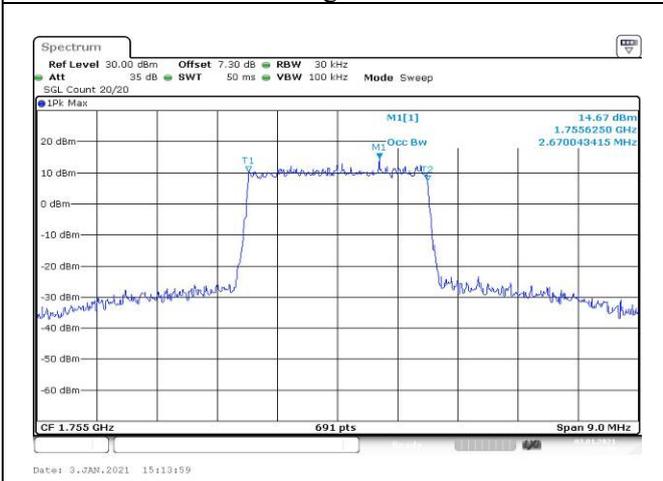


Fig.15

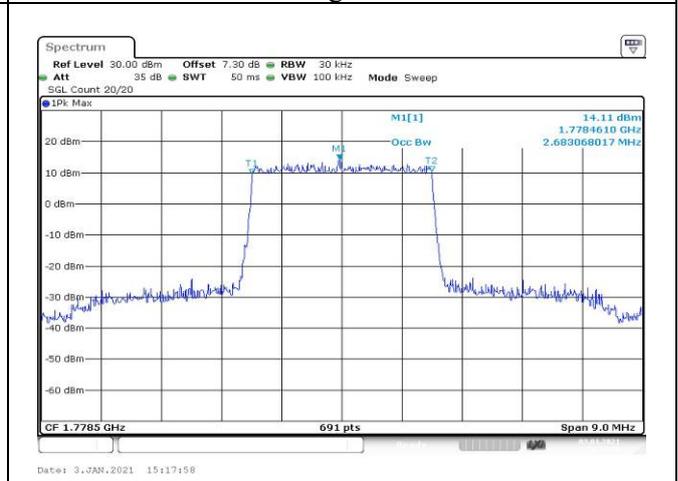


Fig.16

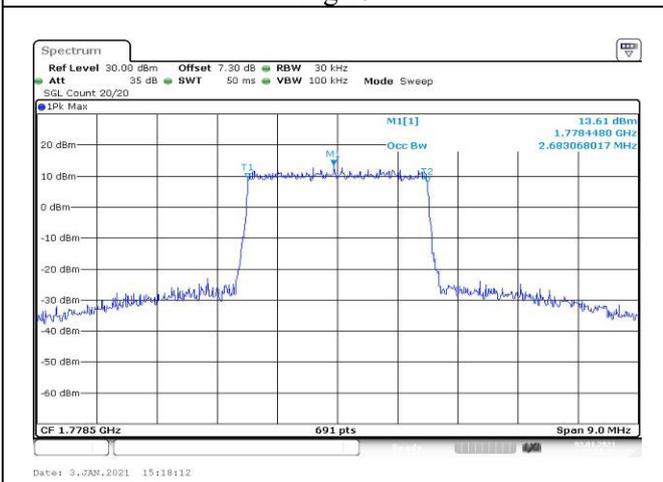


Fig.17

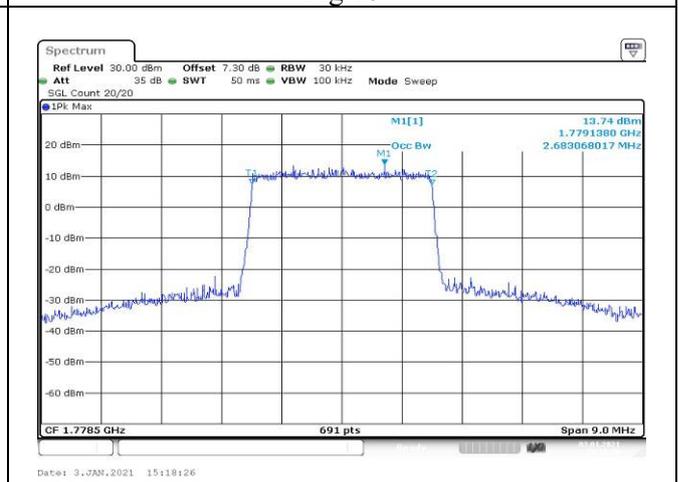


Fig.18

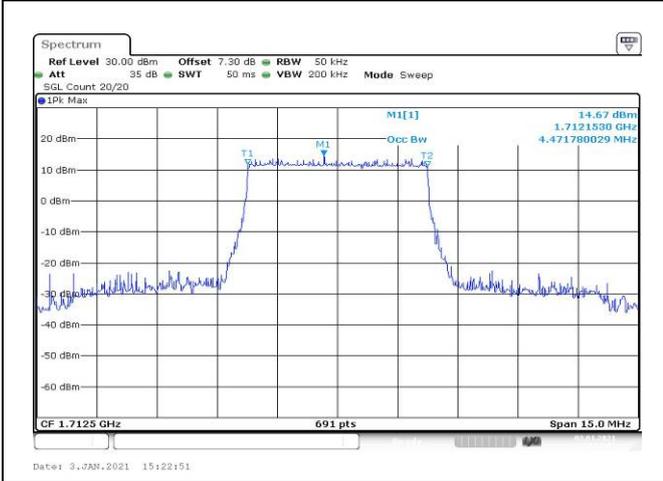


Fig.19

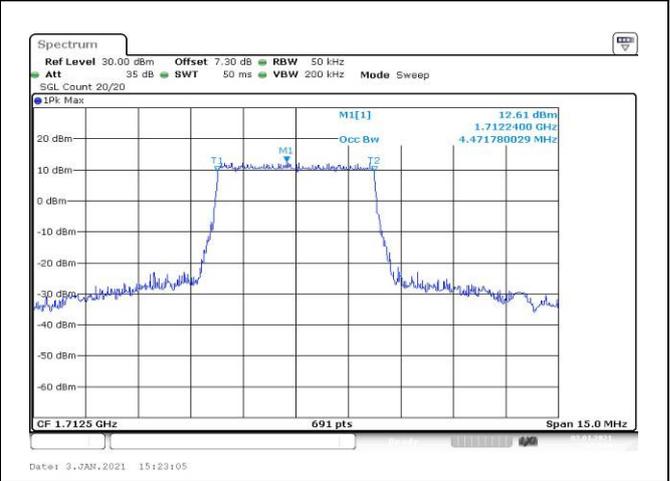


Fig.20

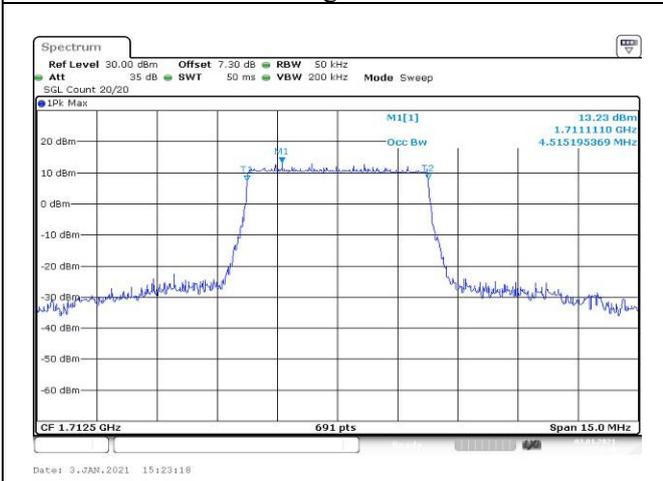


Fig.21

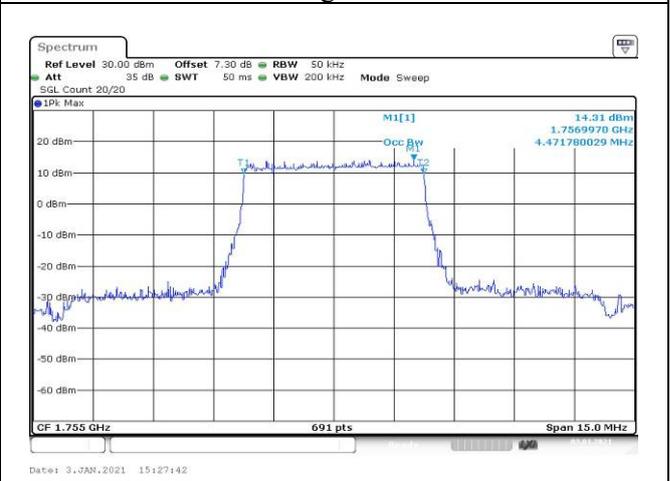


Fig.22

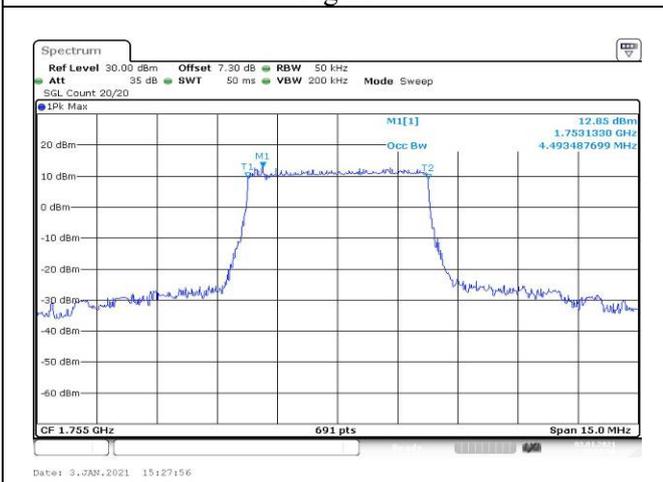


Fig.23

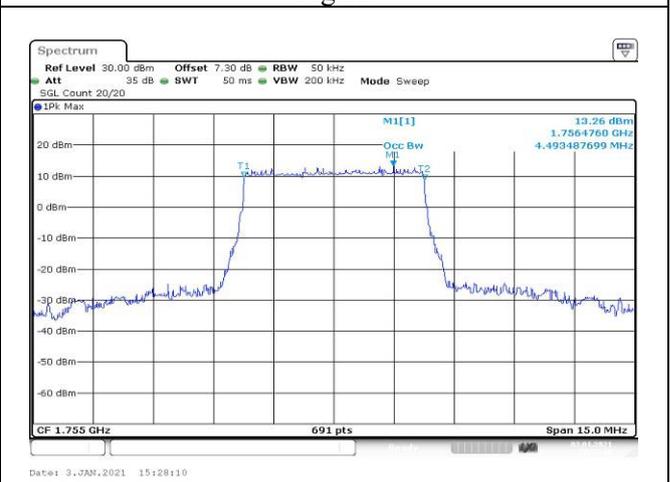


Fig.24

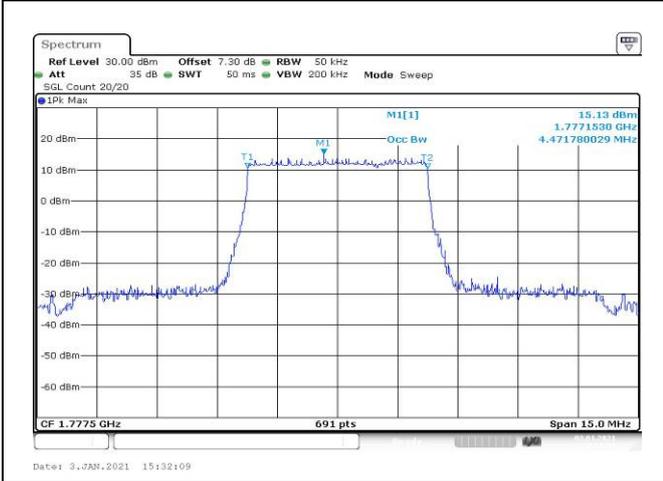


Fig.25

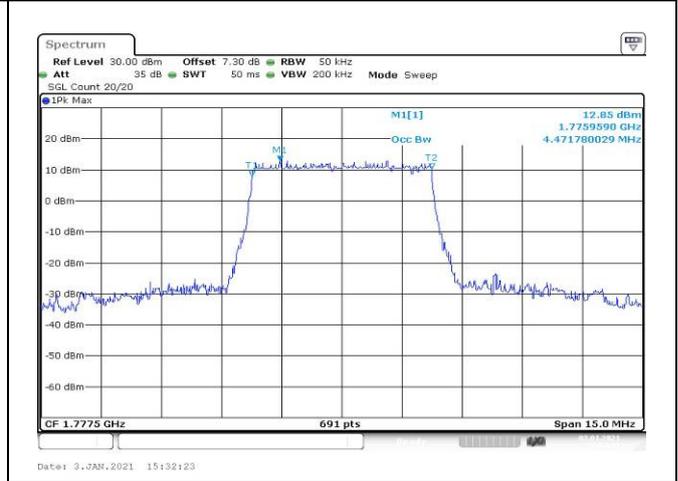


Fig.26

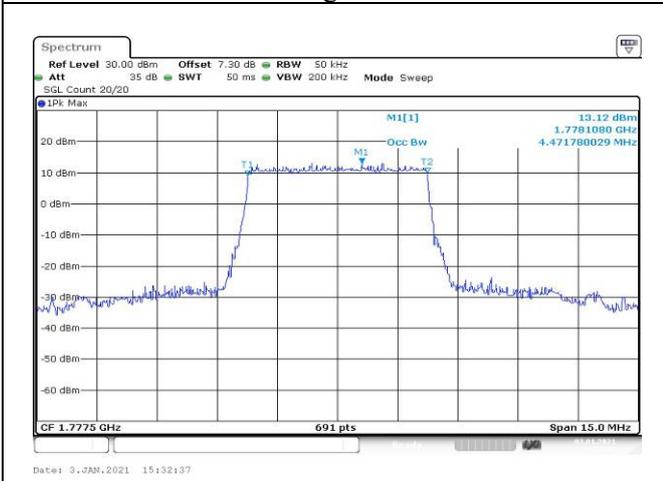


Fig.27

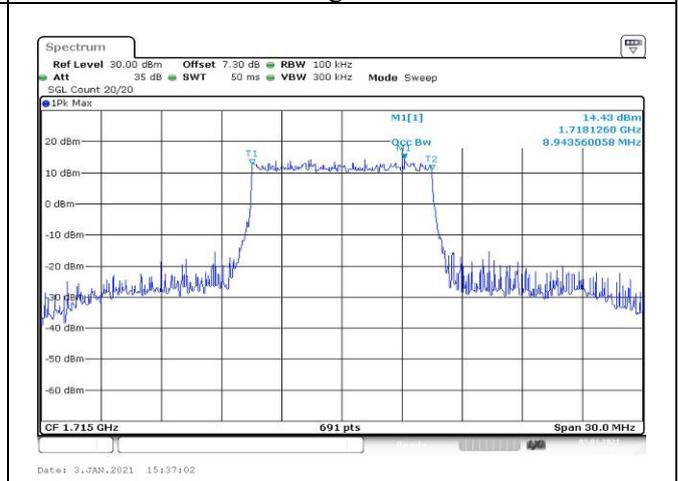


Fig.28

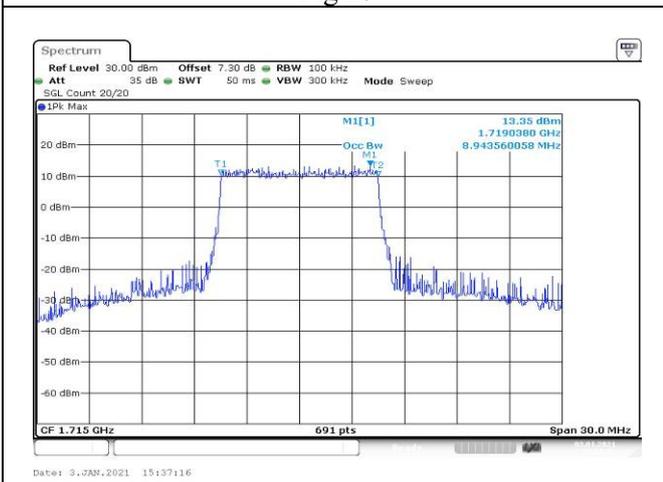


Fig.29

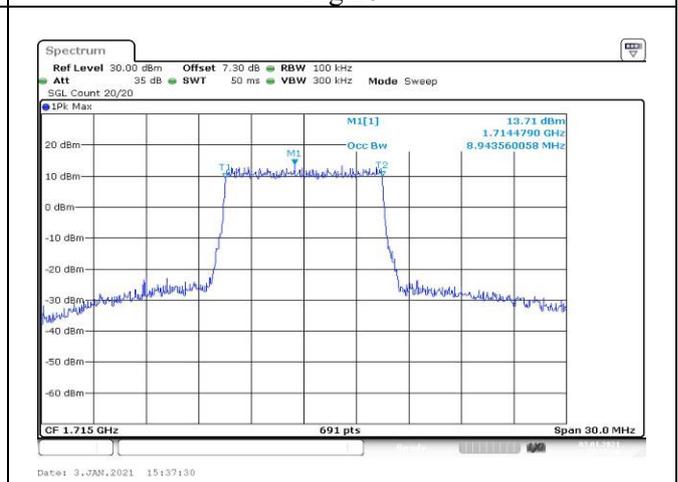


Fig.30

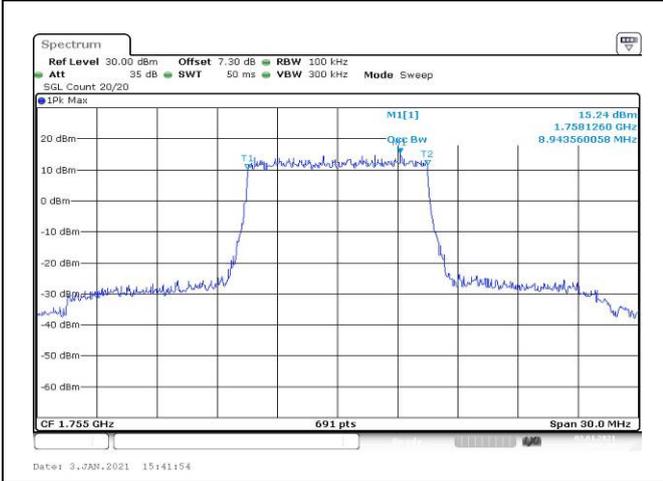


Fig.31

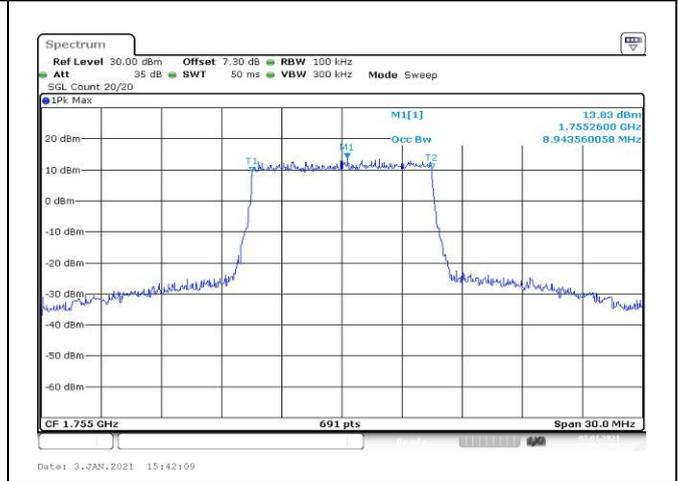


Fig.32

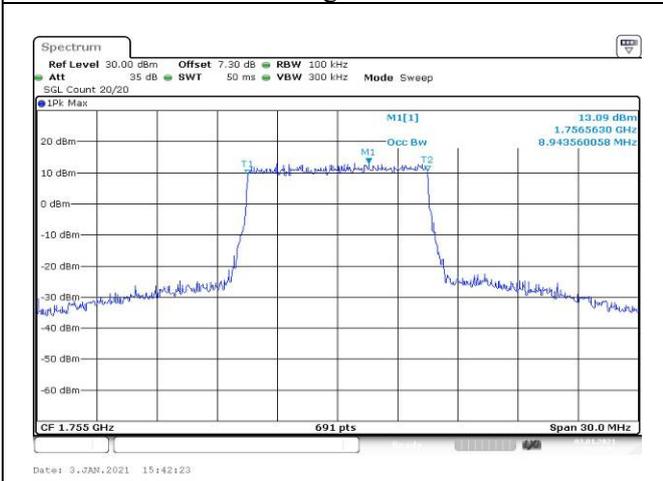


Fig.33

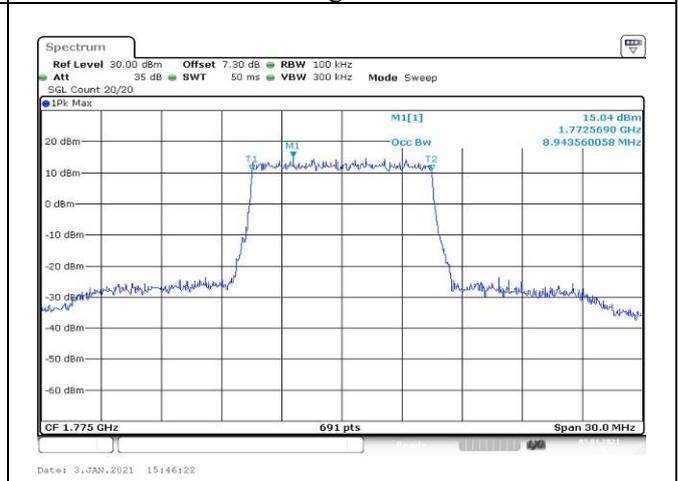


Fig.34

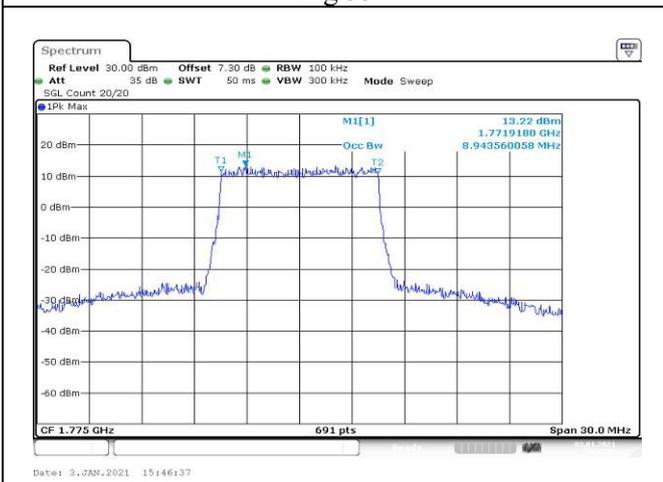


Fig.35

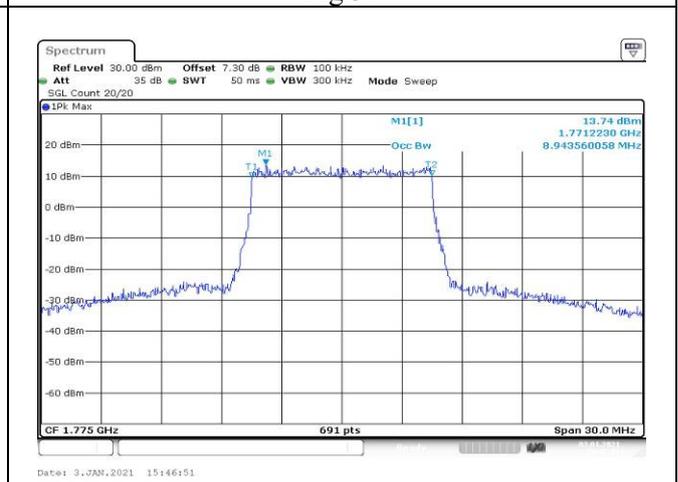


Fig.36

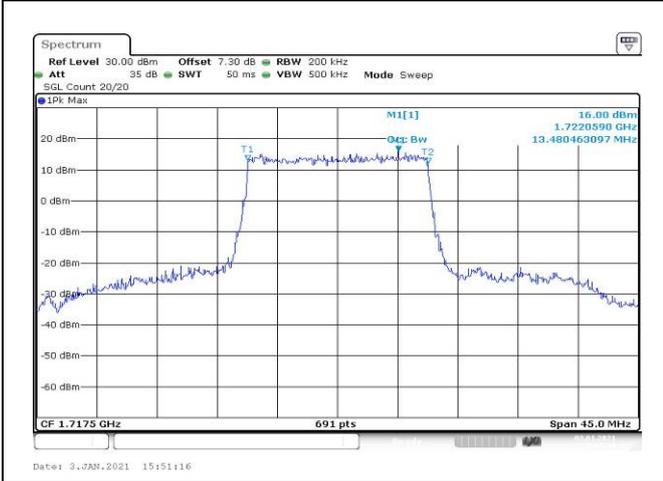


Fig.37

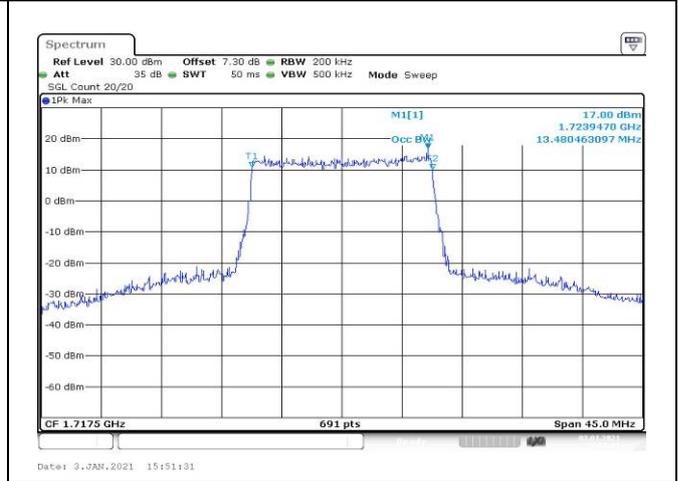


Fig.38

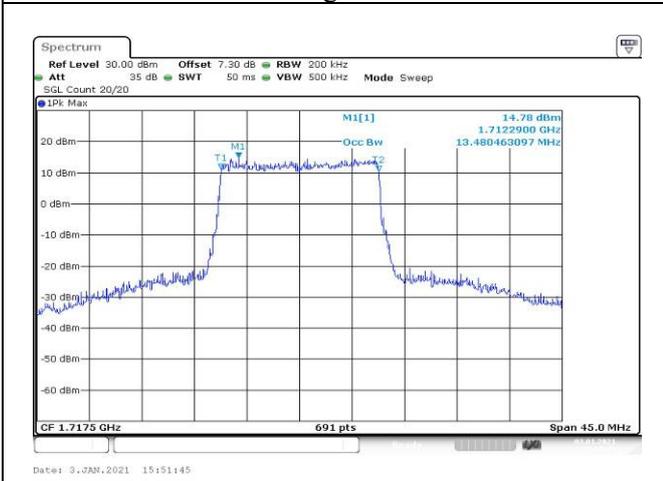


Fig.39

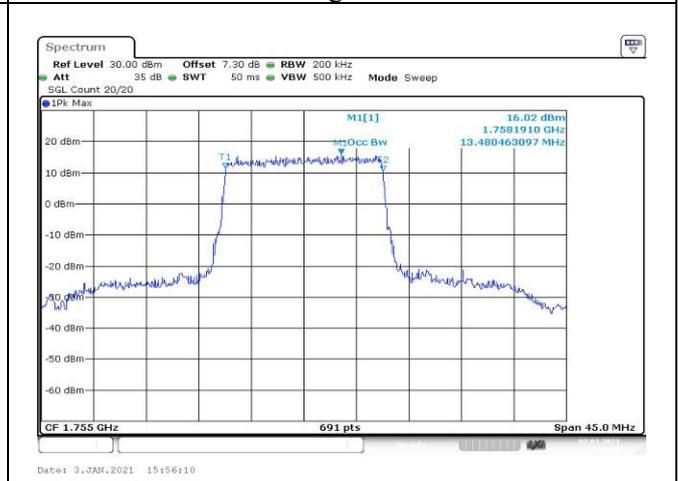


Fig.40

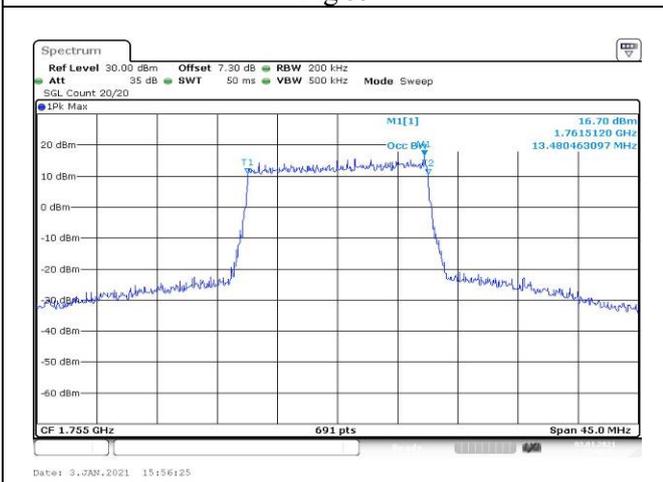


Fig.41

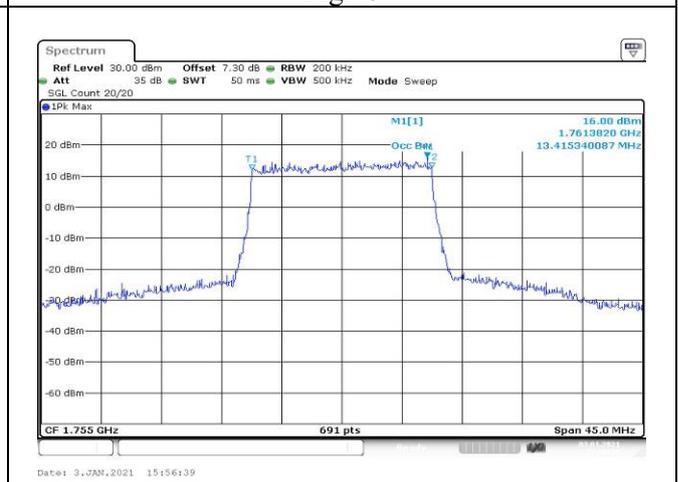


Fig.42

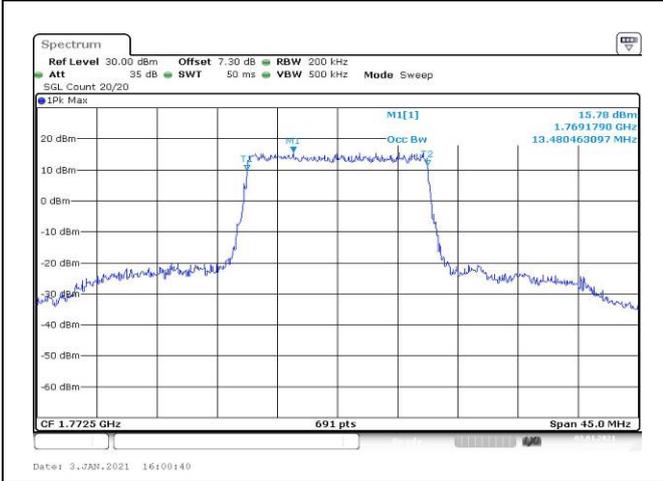


Fig.43

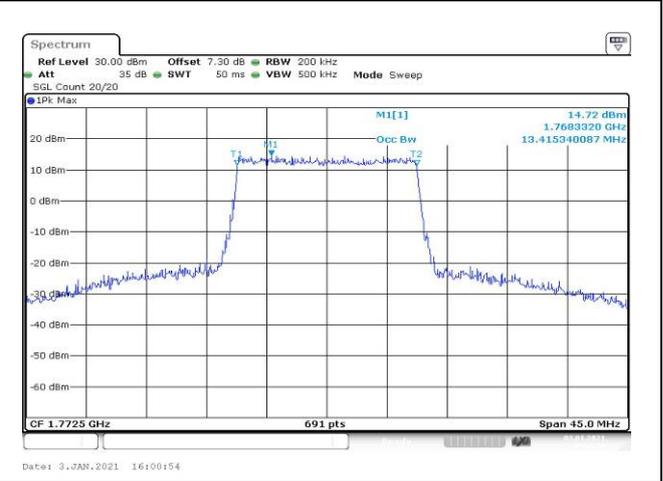


Fig.44

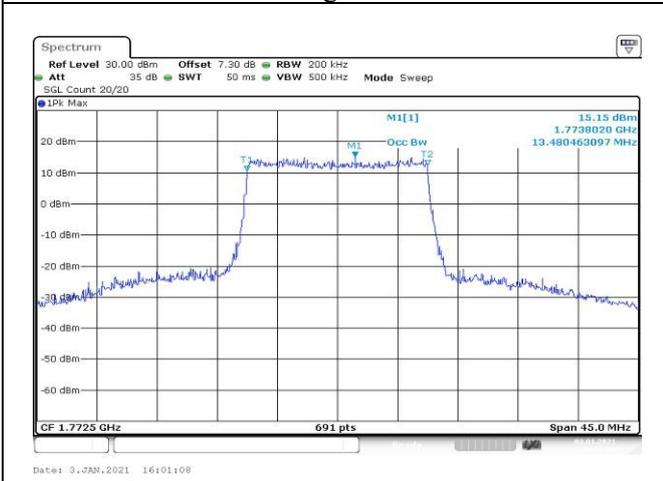


Fig.45

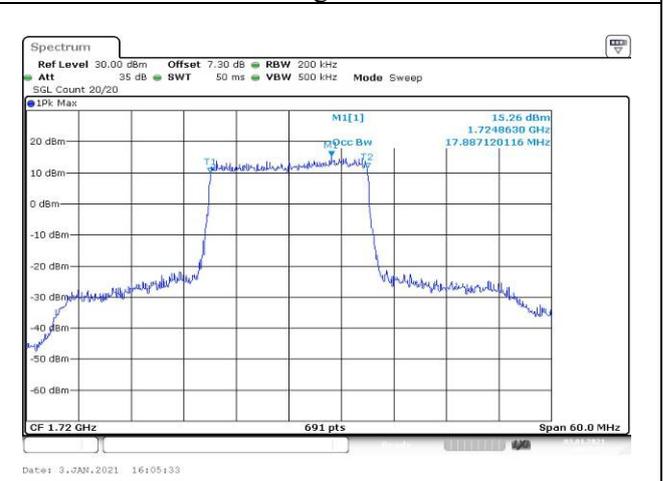


Fig.46

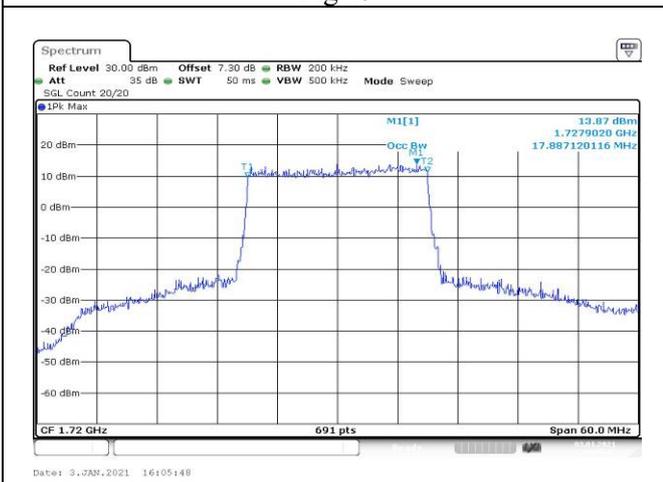


Fig.47

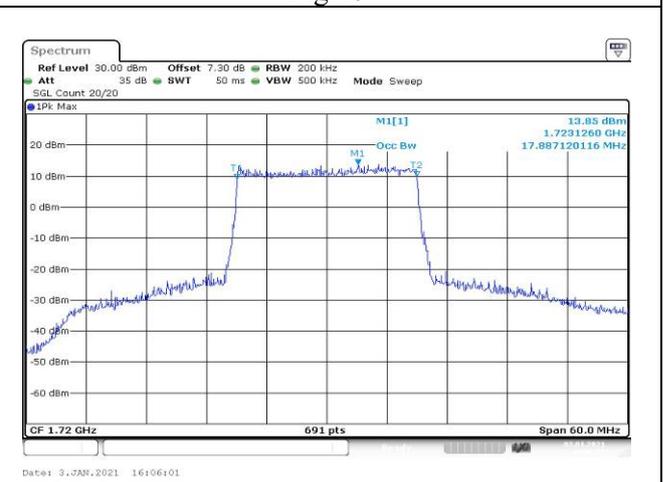


Fig.48

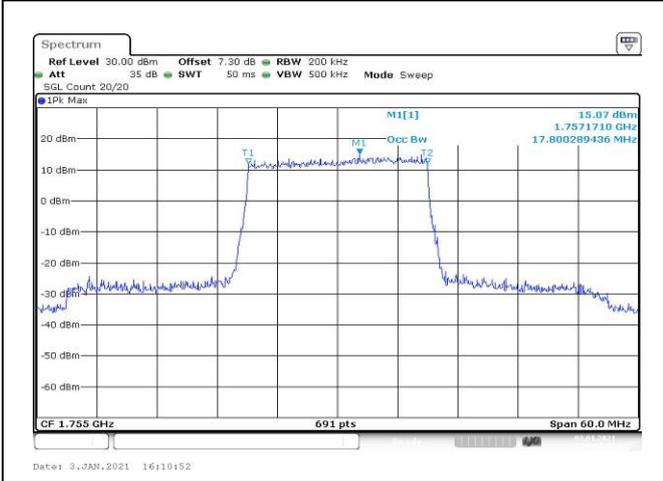


Fig.49

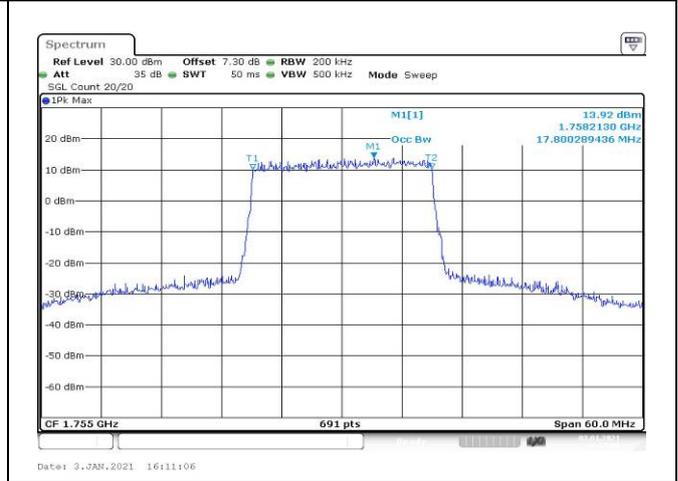


Fig.50

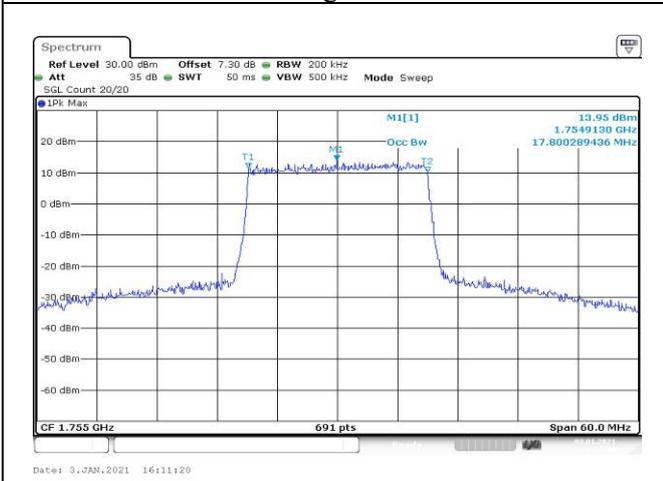


Fig.51

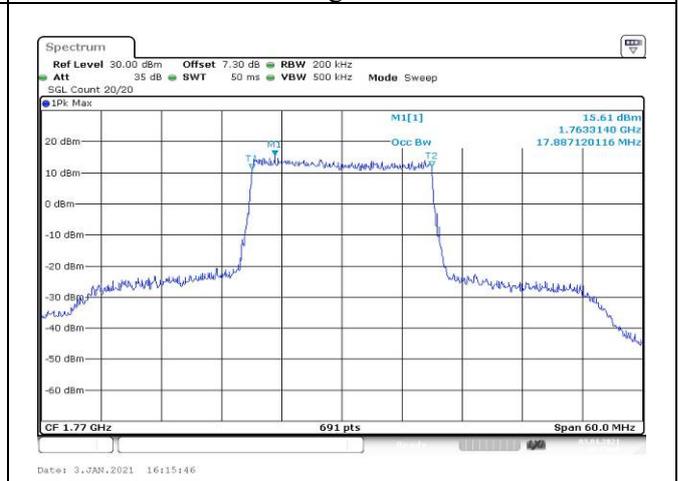


Fig.52

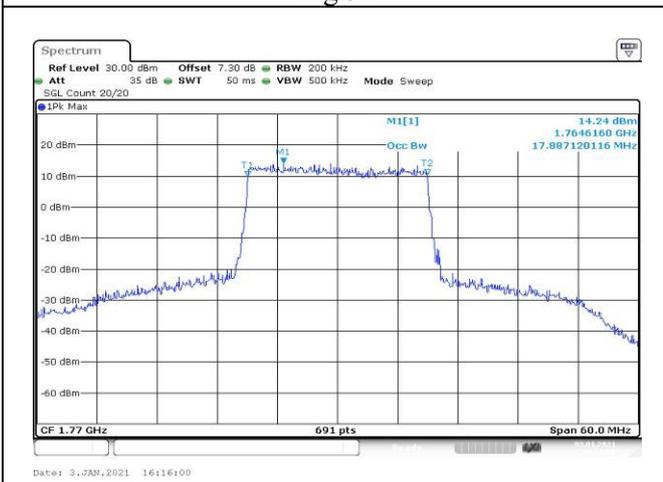


Fig.53

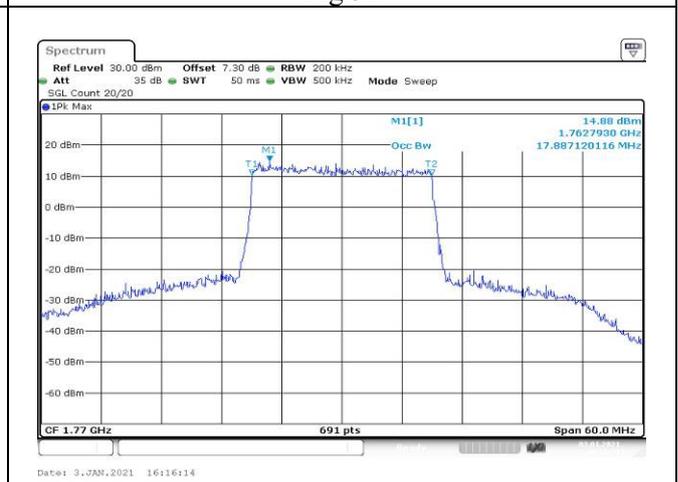


Fig.54

### 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	1.240	Fig.1	1.228	Fig.2	1.222	Fig.3
	1755	132422		6	0	1.246	Fig.4	1.252	Fig.5	1.252	Fig.6
	1779.3	132665		6	0	1.240	Fig.7	1.240	Fig.8	1.240	Fig.9
	1711.5	131987	3	15	0	2.865	Fig.10	2.852	Fig.11	2.852	Fig.12
	1755	132422		15	0	2.865	Fig.13	2.839	Fig.14	2.865	Fig.15
	1778.5	132657		15	0	2.852	Fig.16	2.865	Fig.17	2.826	Fig.18
	1712.5	131997	5	25	0	4.971	Fig.19	5.036	Fig.20	5.014	Fig.21
	1755	132422		25	0	4.884	Fig.22	4.993	Fig.23	5.014	Fig.24
	1777.5	132647		25	0	4.906	Fig.25	4.993	Fig.26	4.993	Fig.27
	1715	132022	10	50	0	9.812	Fig.28	9.812	Fig.29	9.899	Fig.30
	1755	132422		50	0	9.768	Fig.31	9.725	Fig.32	9.855	Fig.33
	1775	132622		50	0	9.855	Fig.34	9.725	Fig.35	9.899	Fig.36
	1717.5	132047	15	75	0	14.978	Fig.37	14.718	Fig.38	14.522	Fig.39
	1755	132422		75	0	14.653	Fig.40	14.522	Fig.41	14.718	Fig.42
	1772.5	132597		75	0	15.043	Fig.43	14.848	Fig.44	14.653	Fig.45
	1720	132072	20	100	0	19.276	Fig.46	19.276	Fig.47	19.276	Fig.48
	1755	132422		100	0	19.363	Fig.49	19.276	Fig.50	19.016	Fig.51
	1770	132572		100	0	19.276	Fig.52	19.450	Fig.53	19.450	Fig.54

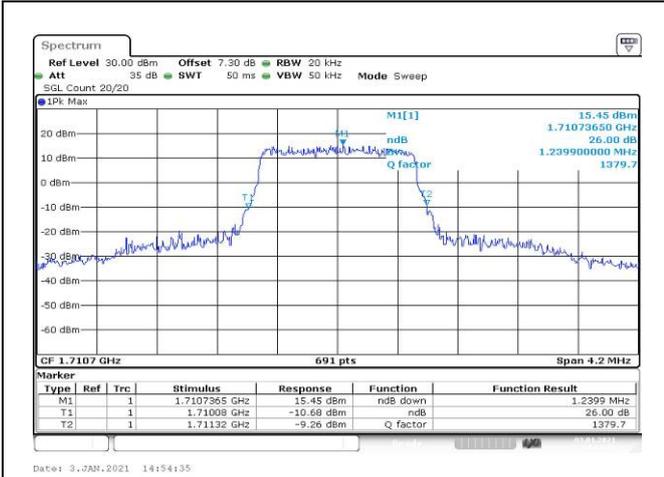


Fig.1

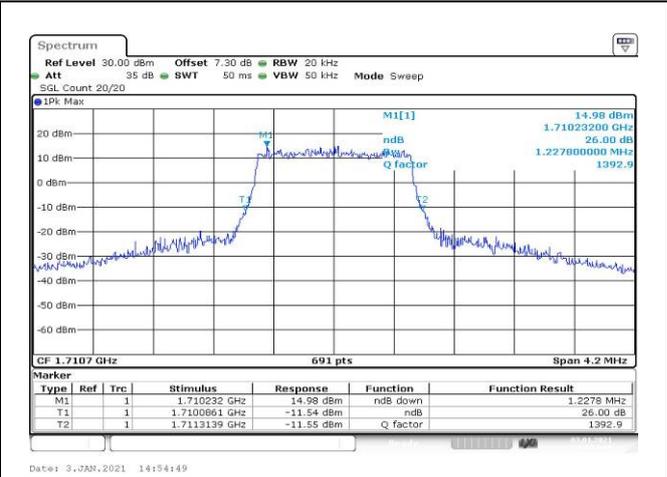


Fig.2

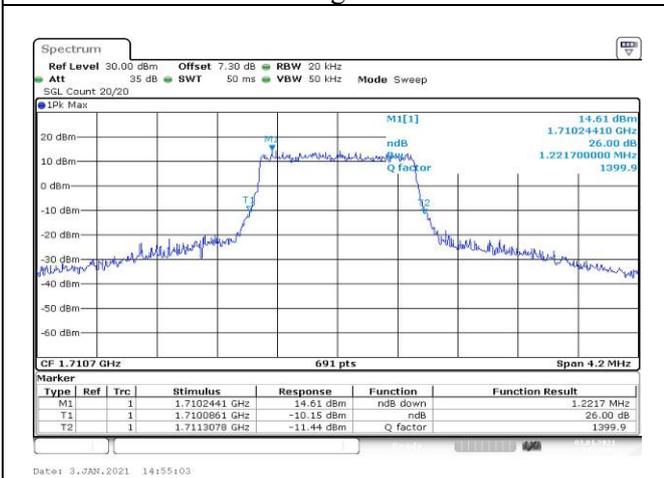


Fig.3

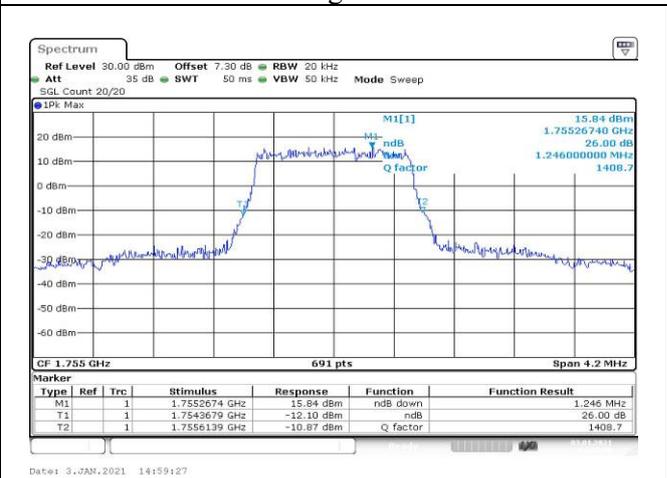


Fig.4

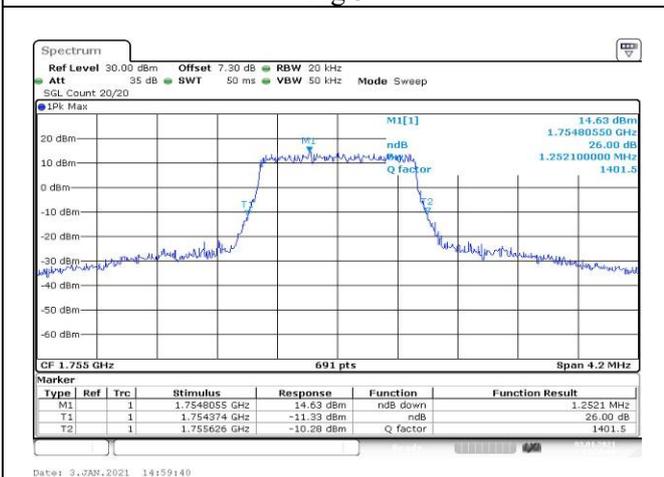


Fig.5

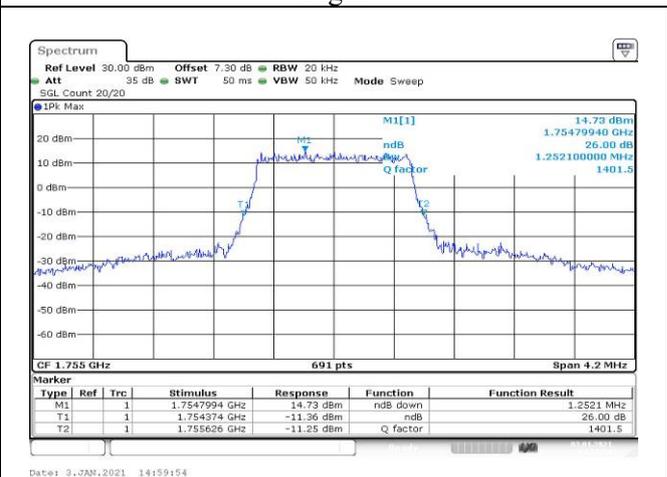


Fig.6

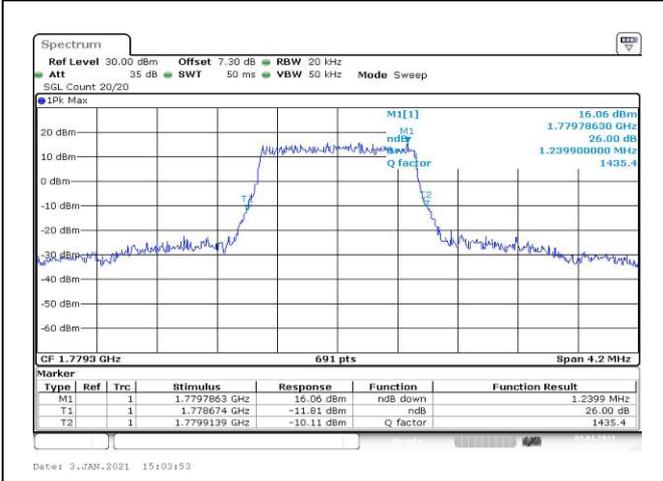


Fig.7

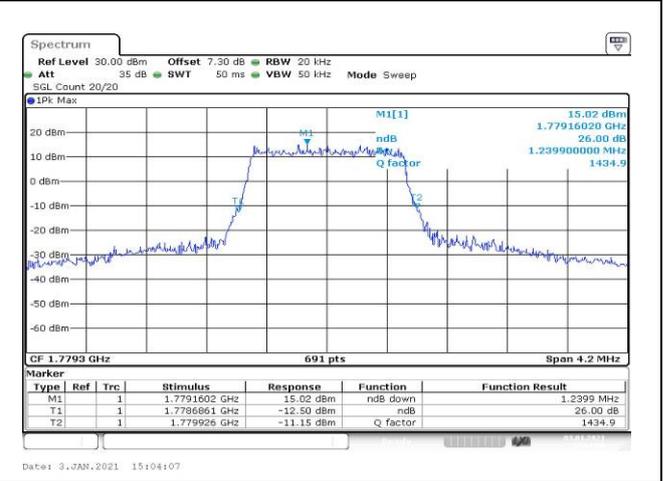


Fig.8

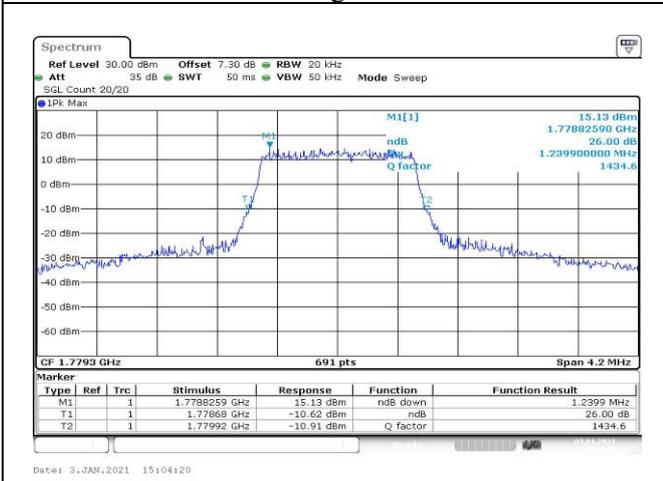


Fig.9

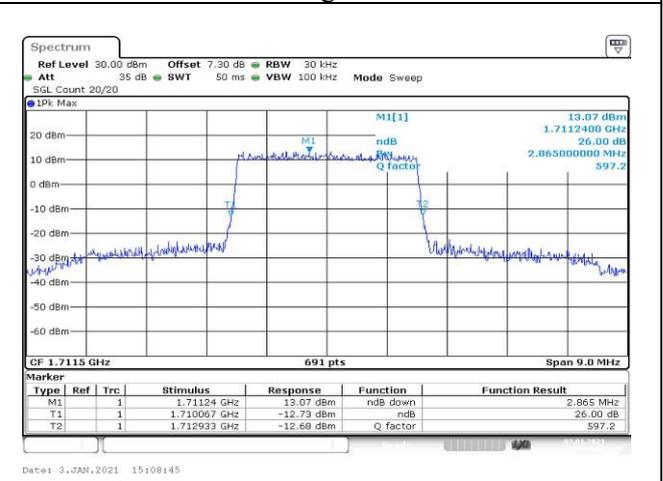


Fig.10

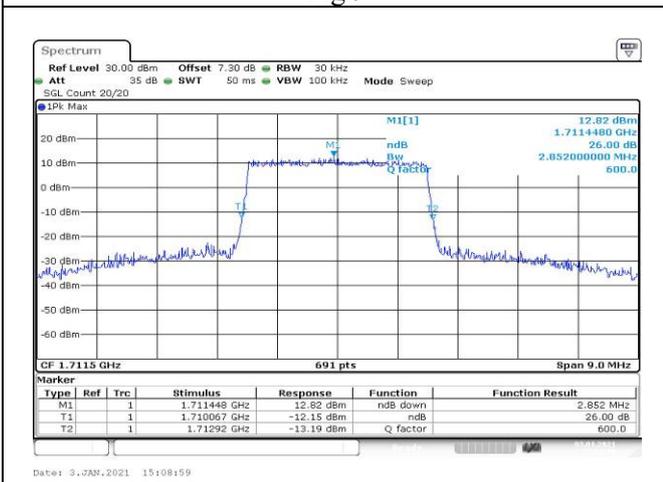


Fig.11

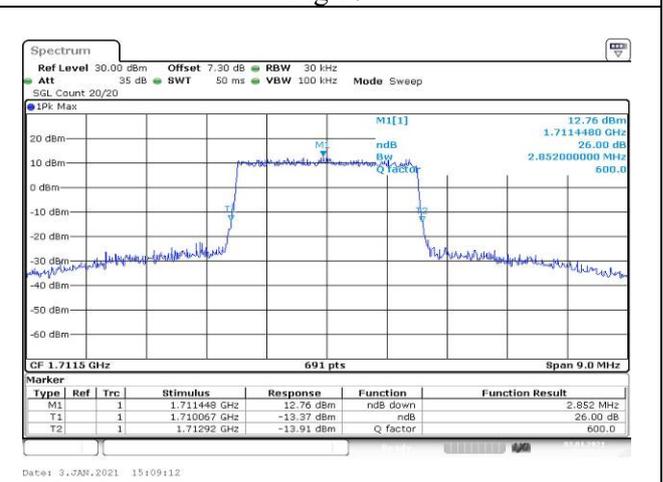


Fig.12

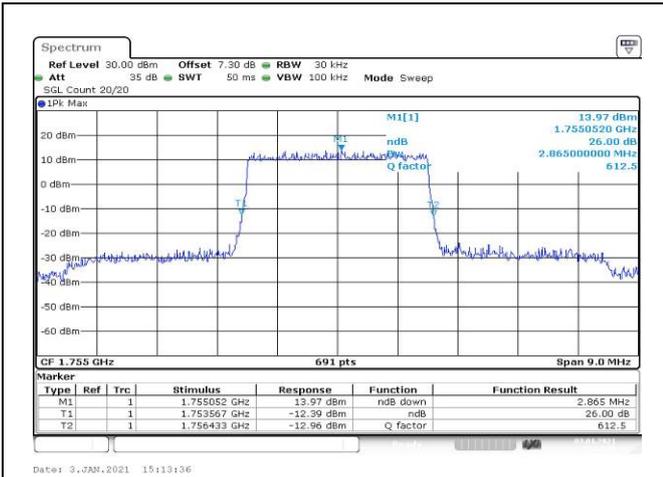


Fig.13

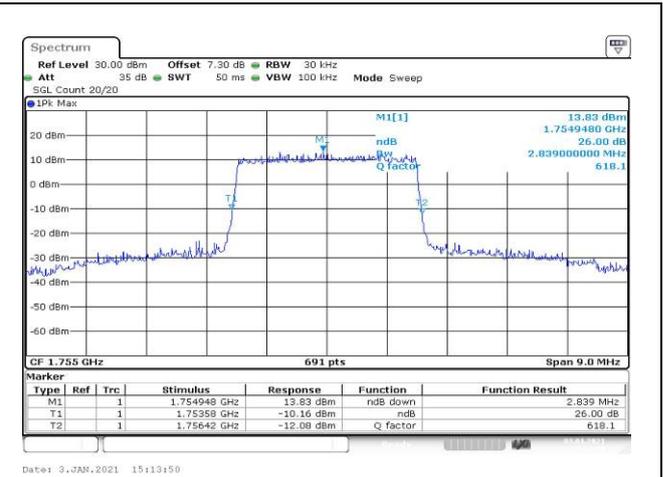


Fig.14

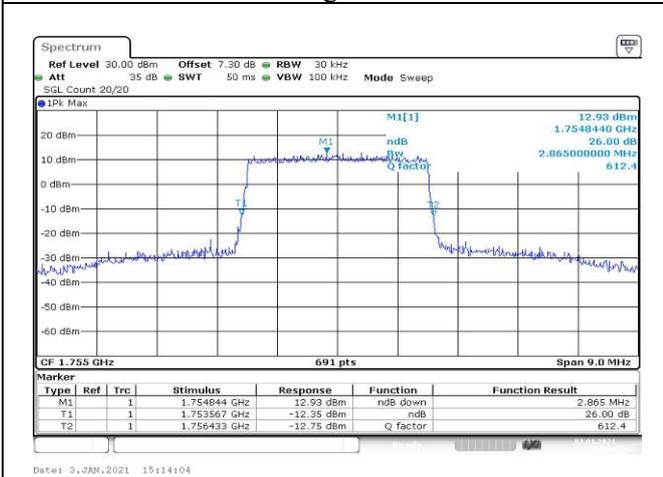


Fig.15

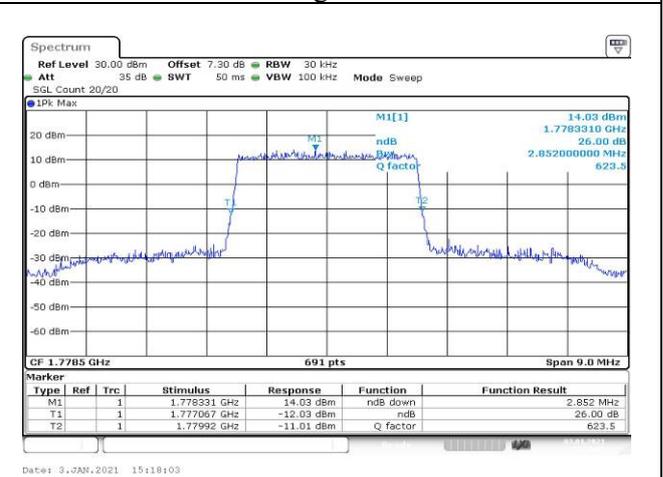


Fig.16

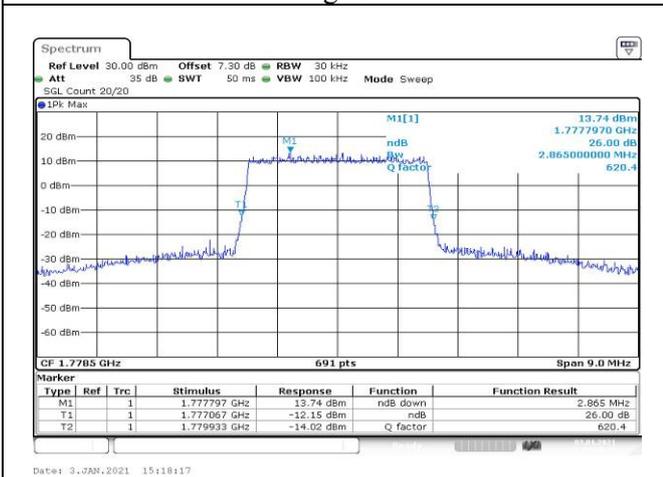


Fig.17

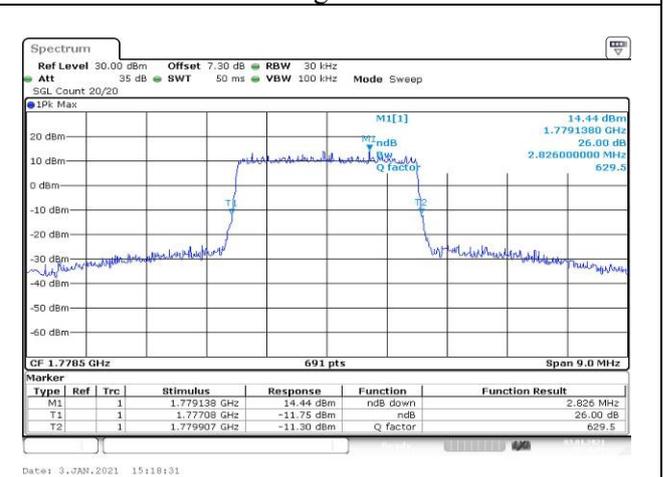


Fig.18

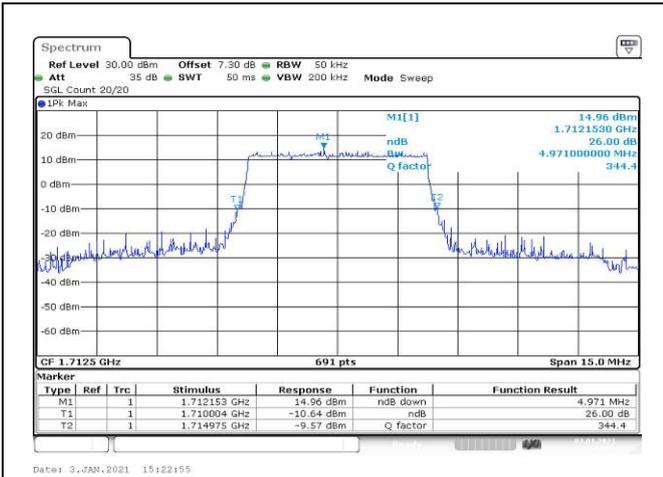


Fig.19

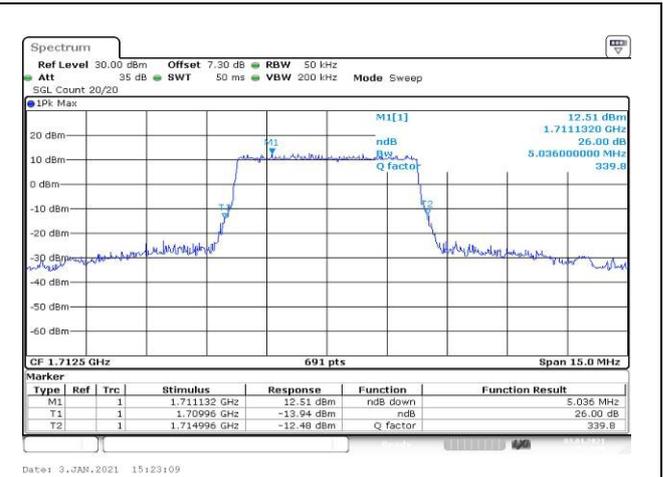


Fig.20

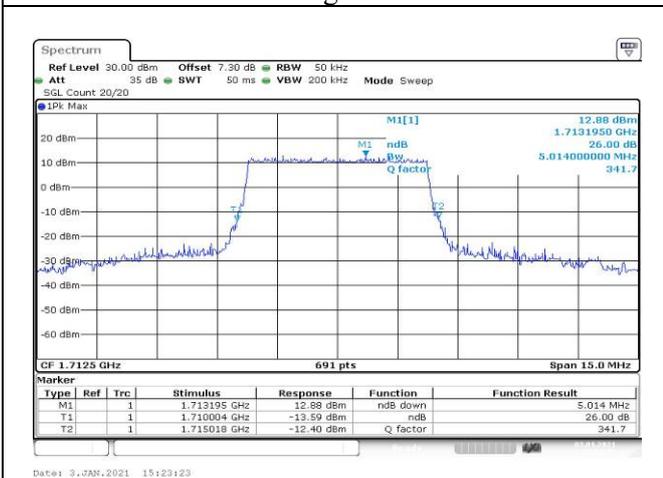


Fig.21

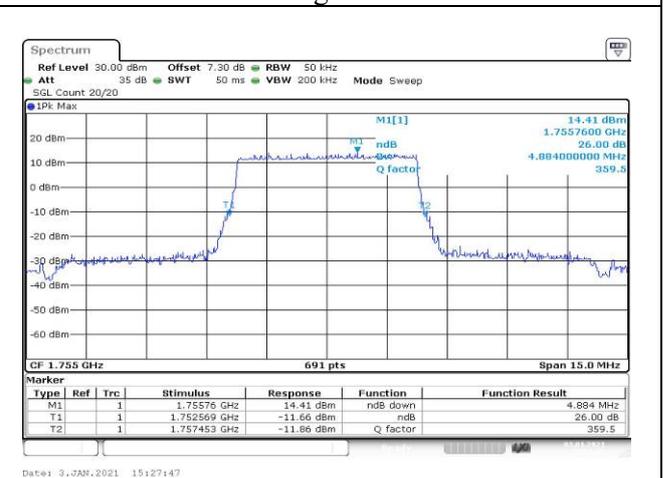


Fig.22

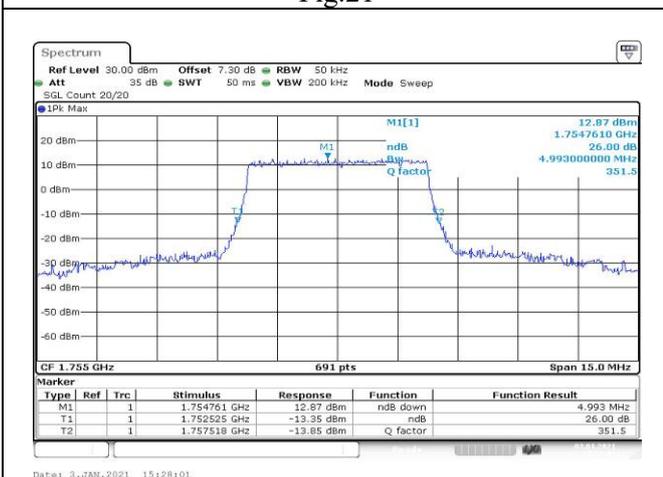


Fig.23



Fig.24

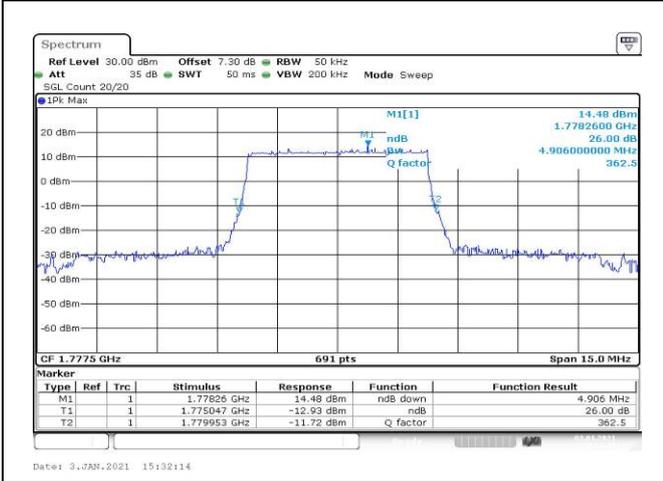


Fig.25

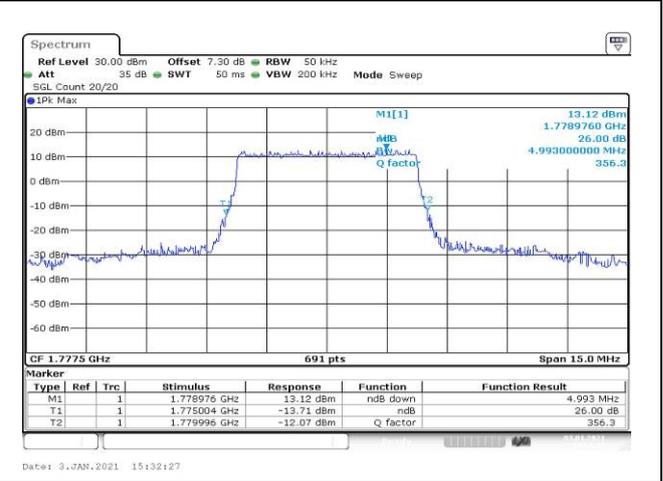


Fig.26

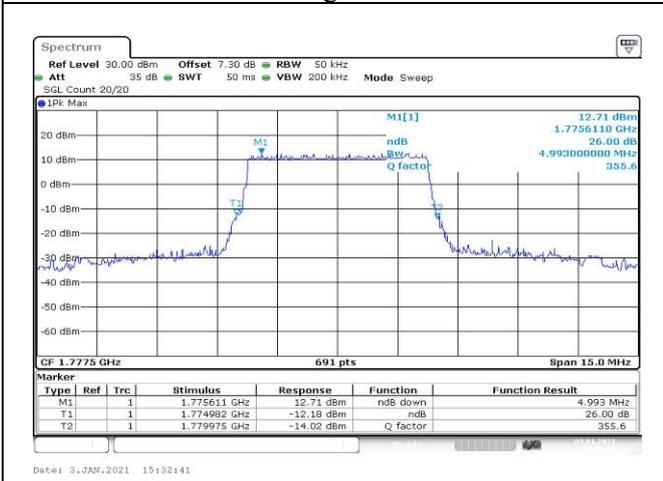


Fig.27

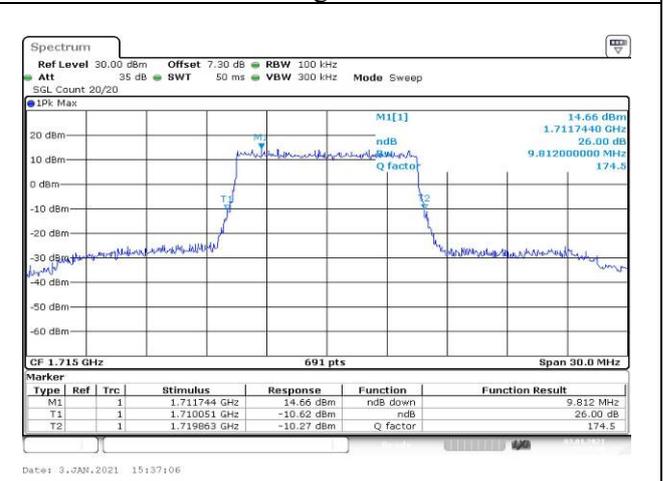


Fig.28

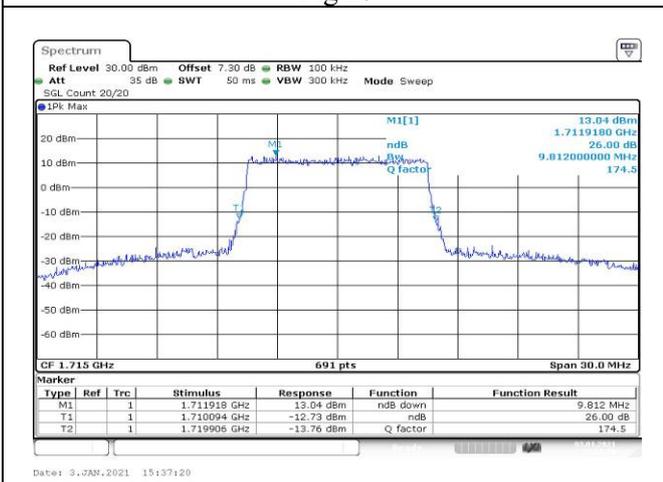


Fig.29

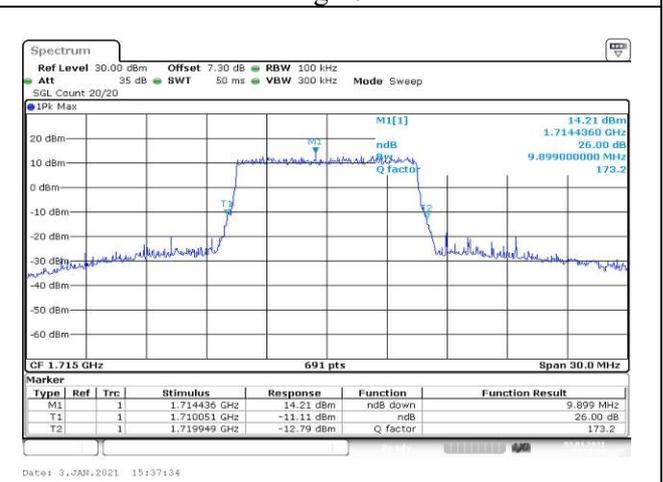


Fig.30

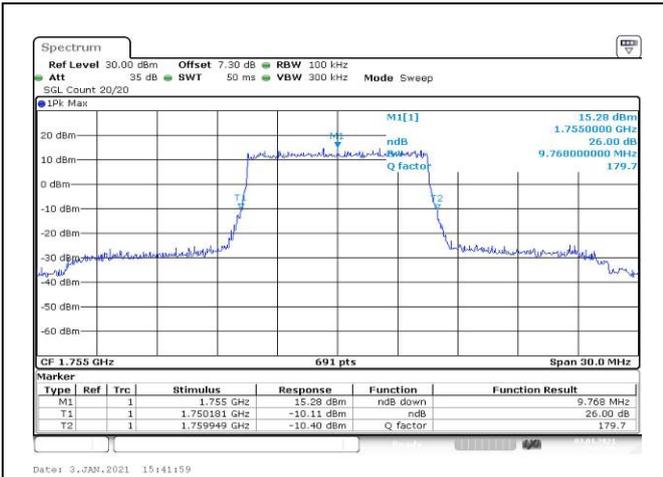


Fig.31

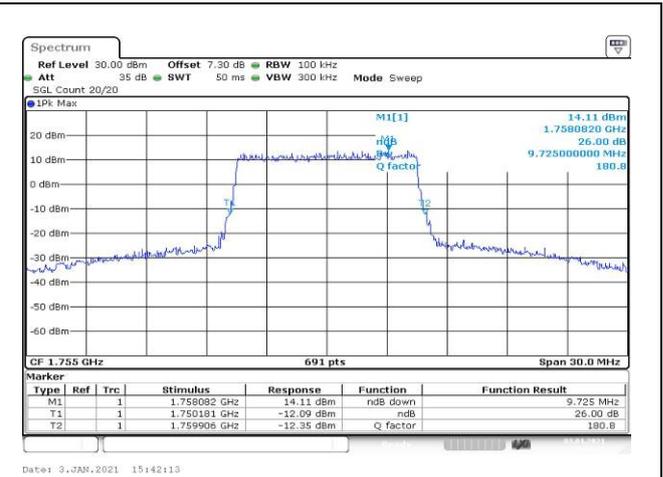


Fig.32

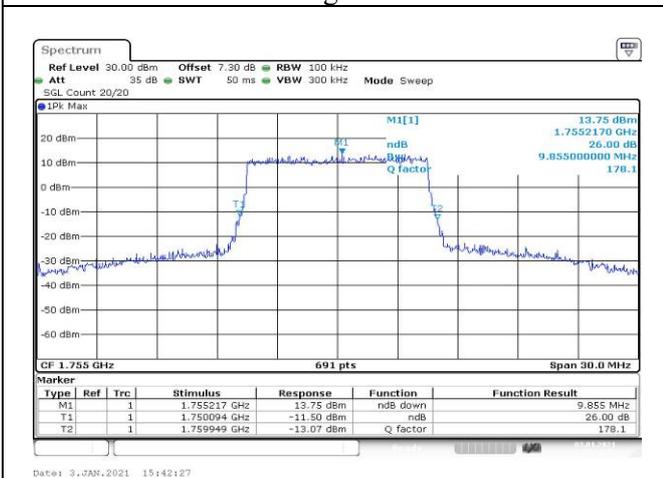


Fig.33

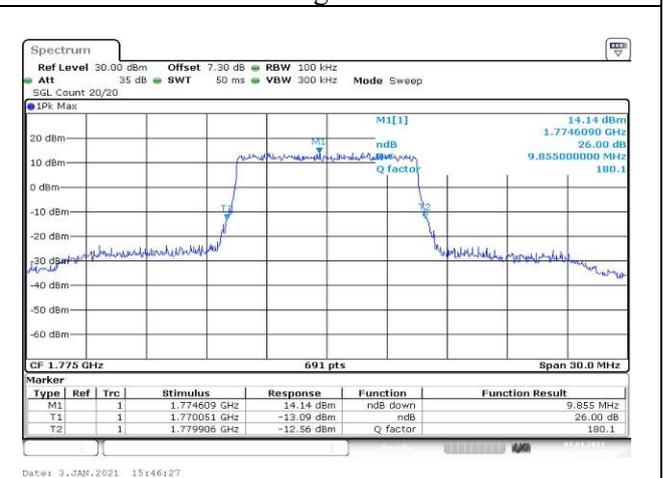


Fig.34

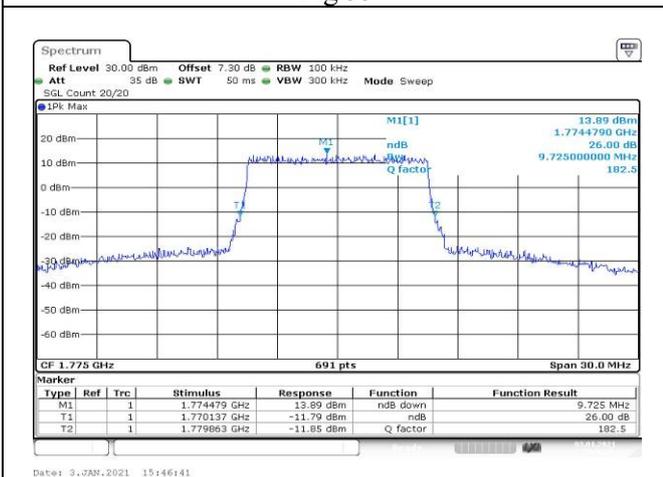


Fig.35

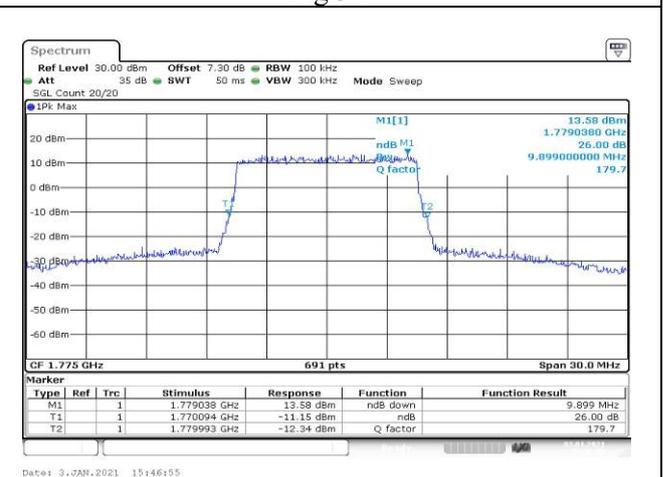


Fig.36

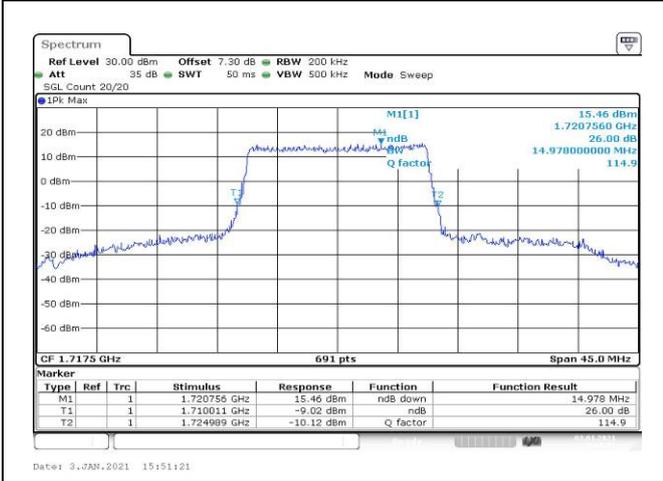


Fig.37

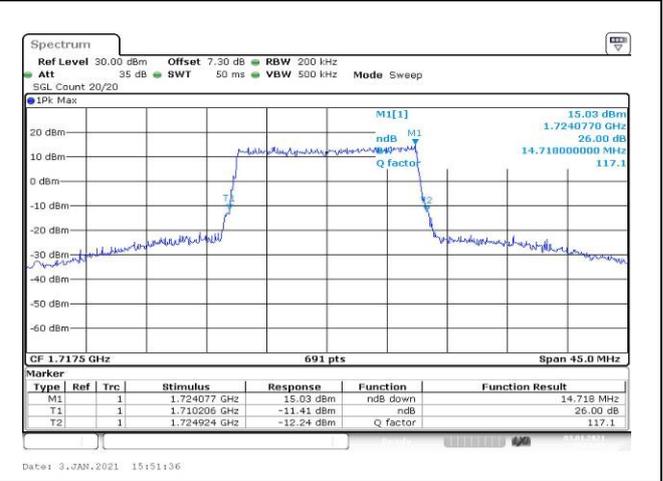


Fig.38

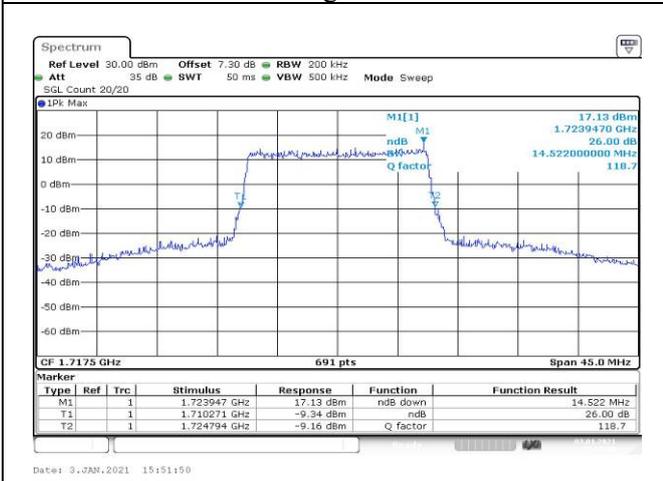


Fig.39

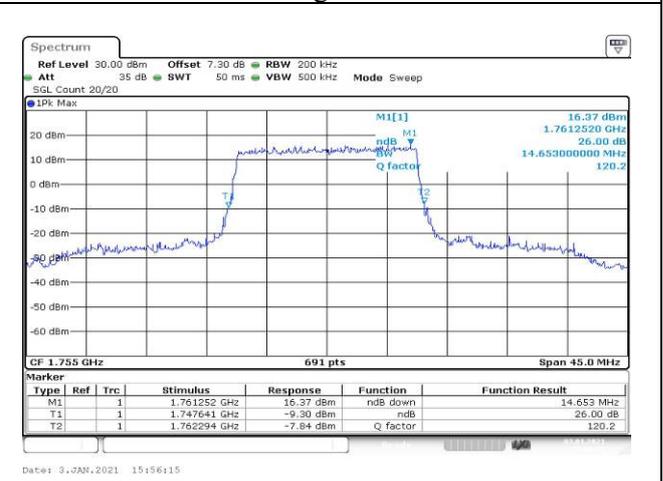


Fig.40

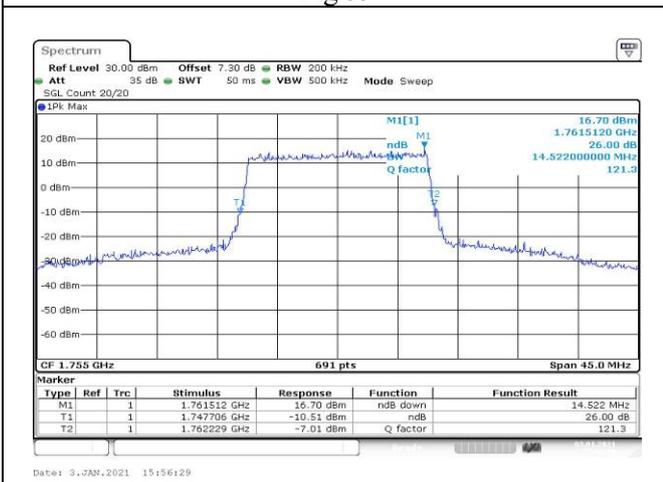


Fig.41

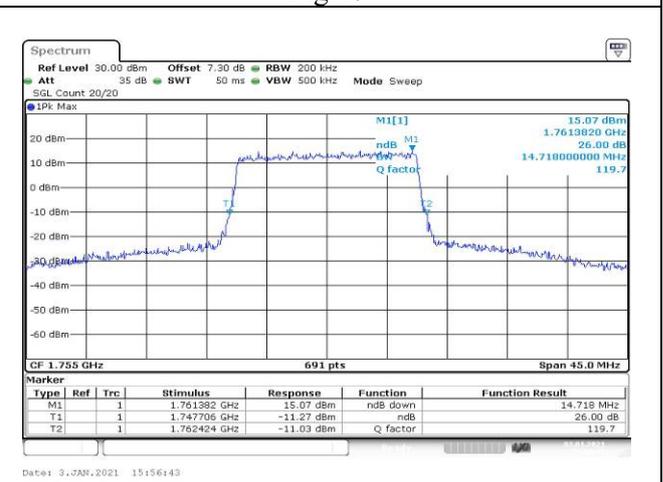


Fig.42

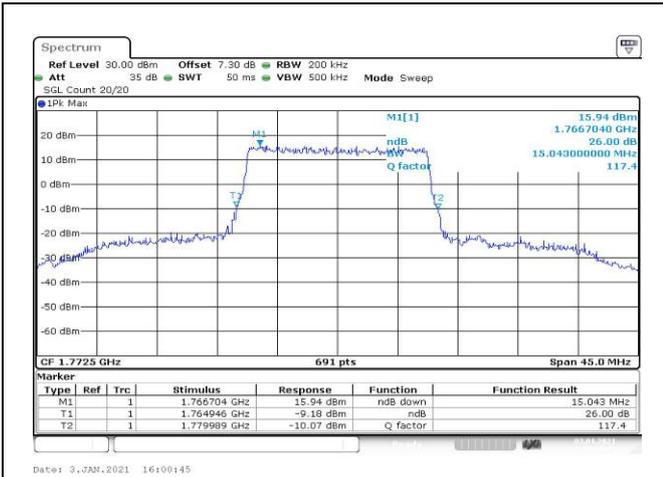


Fig.43

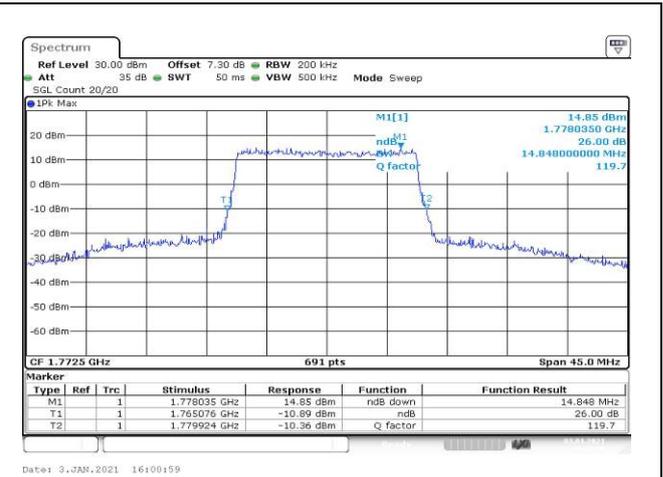


Fig.44

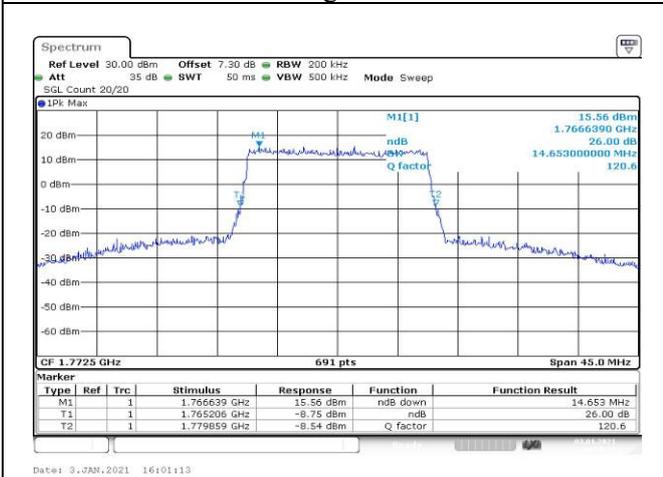


Fig.45

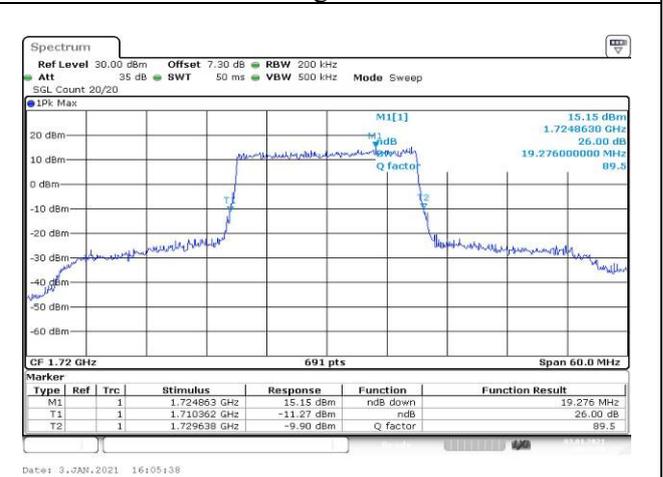


Fig.46

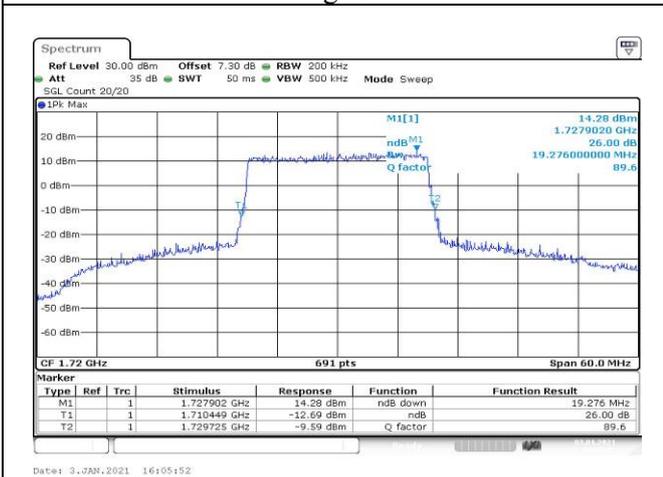


Fig.47

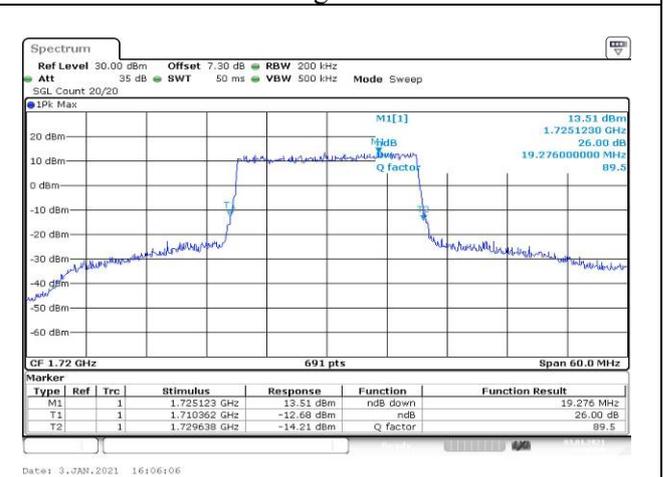


Fig.48

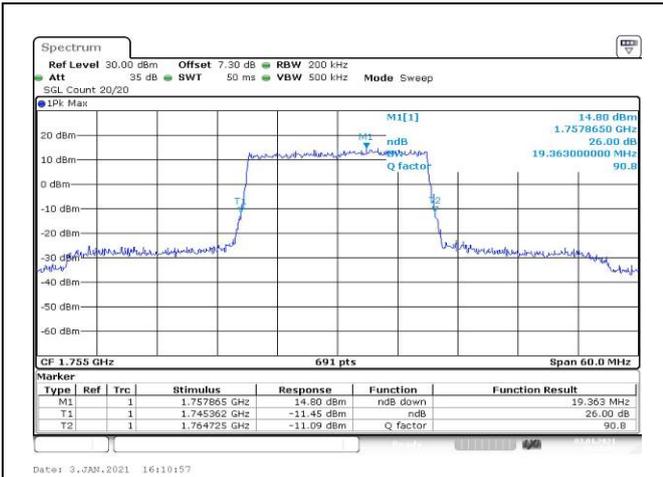


Fig.49

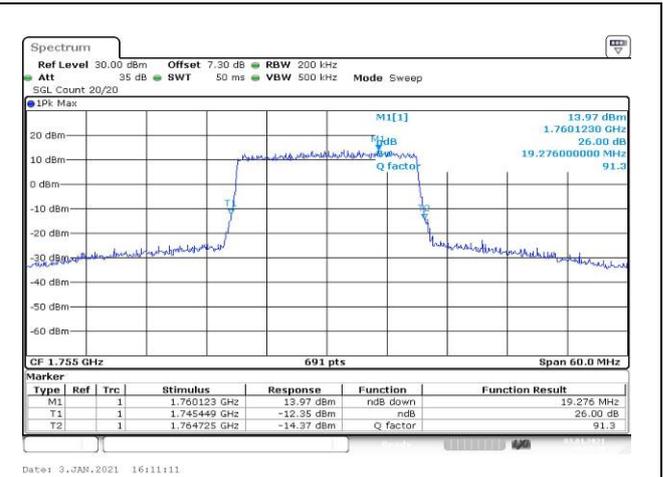


Fig.50

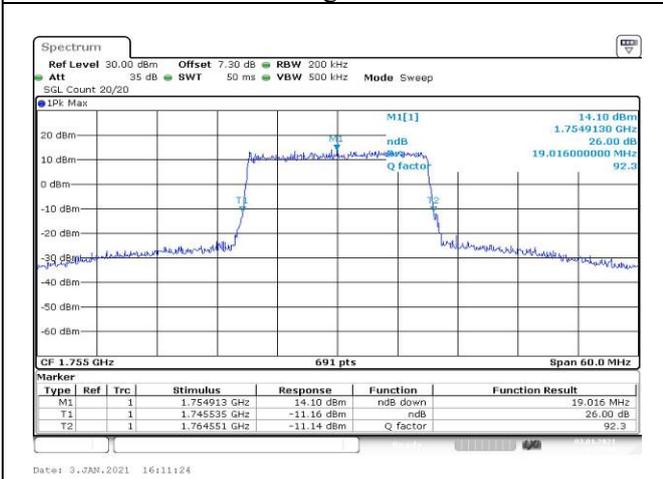


Fig.51

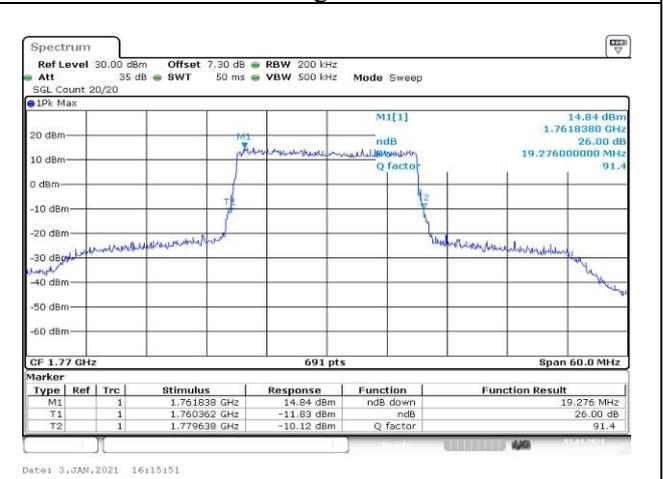


Fig.52

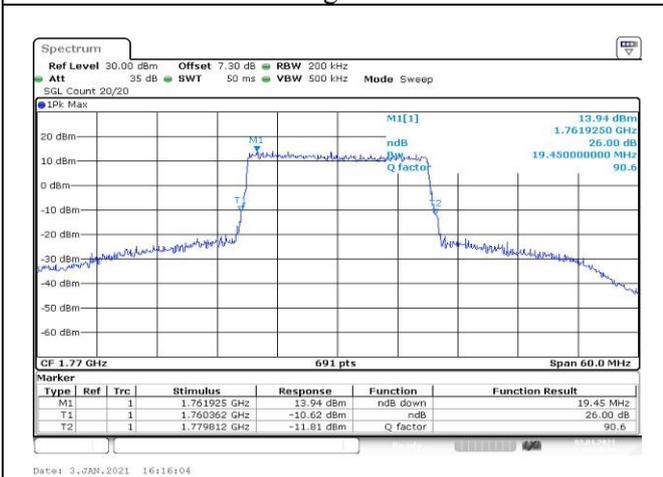


Fig.53

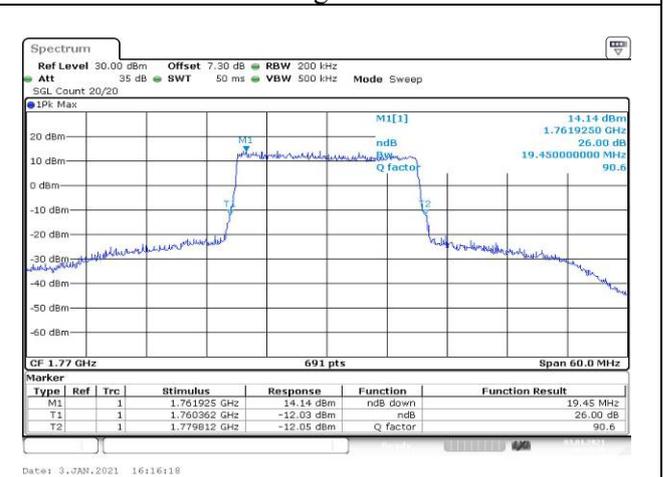


Fig.54

#### 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

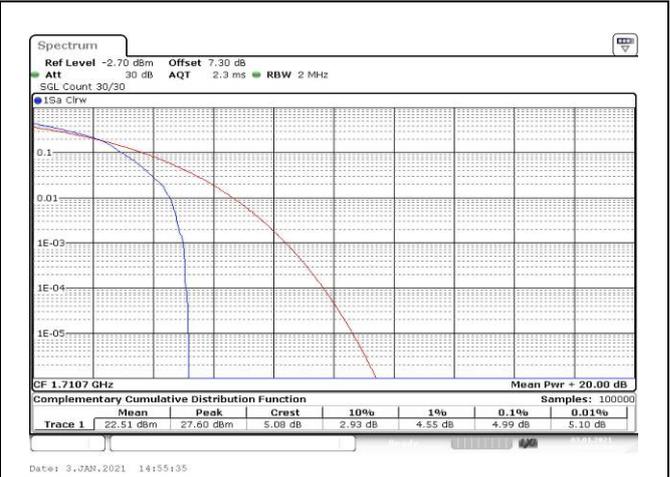


Fig.2

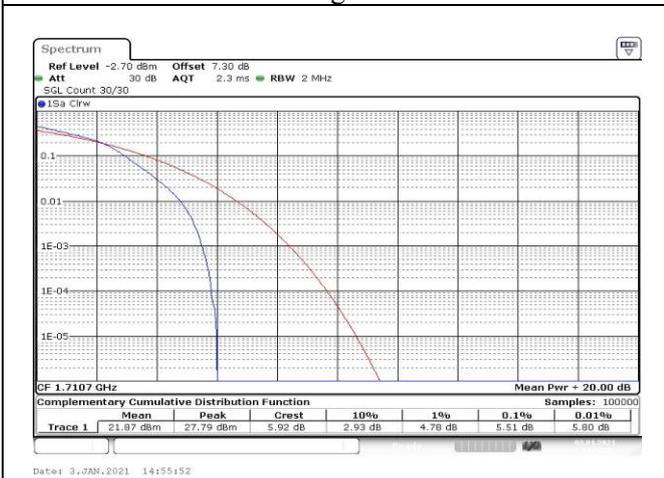


Fig.3

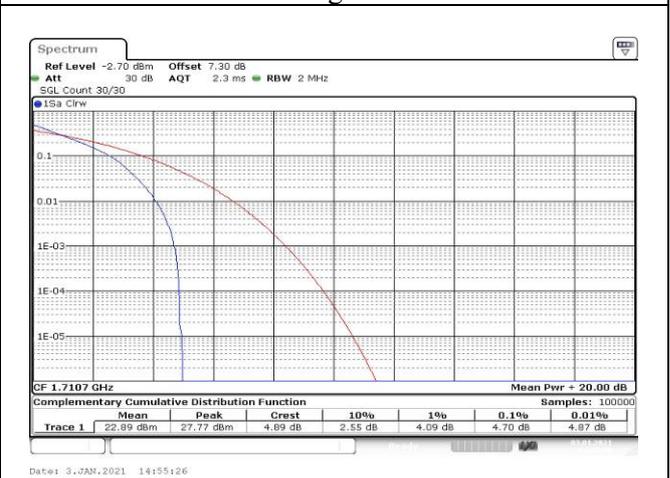


Fig.4

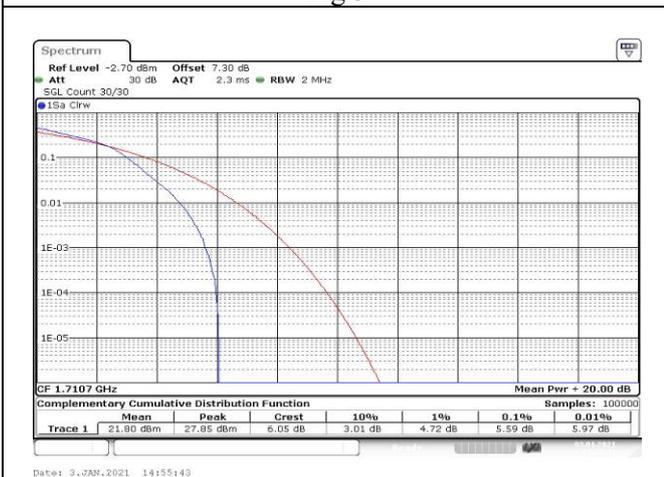


Fig.5

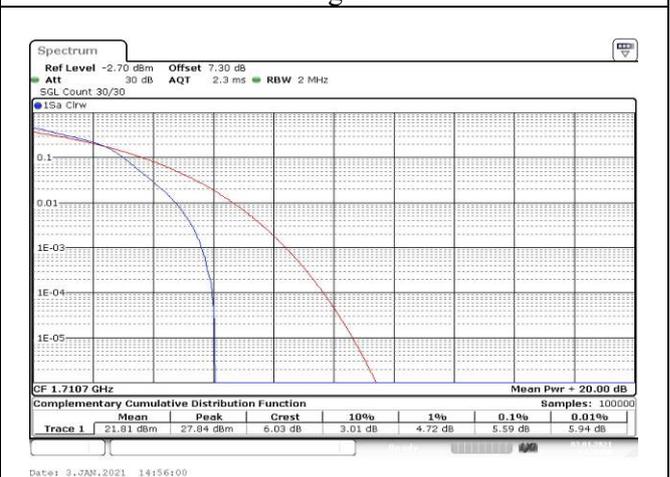


Fig.6