

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	24.18	
				1	3	24.19	
				1	5	24.14	
				3	0	23.23	
				3	1	23.33	
				3	3	23.30	
	1755	132422		6	0	23.24	
				1	0	24.01	
				1	3	23.94	
				1	5	24.00	
				3	0	22.98	
				3	1	22.96	
	1779.3	132665		3	3	22.95	
				6	0	22.87	
				1	0	23.69	
				1	3	23.78	
				1	5	23.78	
				3	0	22.86	
	16QAM	1710.7		131979	3	1	22.73
					3	3	22.71
					6	0	22.77
					1	0	22.98
					1	3	23.12
					1	5	23.11
1755		132422	3	0	22.28		
			3	1	22.25		
			3	3	22.25		
			6	0	22.44		
			1	0	22.70		
			1	3	22.68		
1779.3		132665	1	5	22.68		
			3	0	21.69		
			3	1	21.67		
			3	3	21.66		
			6	0	22.04		
			1	0	22.90		
				1	3	22.87	
				1	5	22.87	
				3	0	22.19	
				3	1	22.03	
				3	3	22.12	
				6	0	21.72	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1710.7	131979	1.4	1	0	22.44
				1	3	22.39
				1	5	22.36
				3	0	21.14
				3	1	21.24
				3	3	21.18
	6	0		21.13		
	1	0		21.98		
	1	3		22.06		
	1	5		21.99		
	3	0		21.08		
	3	1		20.93		
	3	3		21.07		
	6	0		21.04		
	1	0		21.72		
	1	3		21.67		
	1	5		21.72		
	3	0		20.67		
	3	1		20.67		
	3	3		20.72		
	6	0		21.07		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	131987	3	1	0	24.17
				1	8	24.19
				1	14	24.15
				8	0	23.09
				8	4	23.19
				8	7	23.18
	15	0		23.17		
	1	0		24.04		
	1	8		23.98		
	1	14		23.94		
	8	0		22.95		
	8	4		22.89		
	8	7		22.88		
	15	0		22.90		
	1	0		23.84		
	1	8		23.80		
	1	14		23.77		
	8	0		22.77		
8	4	22.68				
8	7	22.67				
15	0	22.82				
16QAM	1711.5	131987	1	0	23.09	
			1	8	23.03	
			1	14	23.05	
			8	0	22.42	
			8	4	22.40	
			8	7	22.41	
	15	0	22.21			
	1	0	23.14			
	1	8	23.13			
	1	14	23.12			
	8	0	22.18			
	8	4	22.13			
	8	7	22.13			
	15	0	22.04			
	1	0	22.66			
	1	8	22.35			
	1	14	22.36			
	8	0	22.04			
8	4	21.94				
8	7	21.93				
15	0	21.78				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1711.5	131987	3	1	0	22.21
				1	8	22.26
				1	14	22.20
				8	0	21.22
				8	4	21.20
				8	7	21.25
				15	0	21.28
	1755	132422		1	0	22.05
				1	8	22.00
				1	14	22.04
				8	0	21.14
				8	4	21.05
				8	7	21.07
				15	0	21.04
	1778.5	132657		1	0	21.79
				1	8	21.74
				1	14	21.89
				8	0	20.78
				8	4	20.75
				8	7	20.88
				15	0	20.80

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	131997	5	1	0	24.19
				1	12	24.07
				1	24	24.10
				12	0	23.20
				12	7	23.28
				12	13	23.25
				25	0	23.24
	1755	132422		1	0	23.90
				1	12	23.87
				1	24	23.87
				12	0	22.99
				12	7	22.87
				12	13	23.01
				25	0	22.81
	1777.5	132647		1	0	23.70
				1	12	23.61
				1	24	23.57
				12	0	22.69
				12	7	22.72
				12	13	22.71
				25	0	22.79
16QAM	1712.5	131997	1	0	22.91	
			1	12	22.86	
			1	24	22.86	
			12	0	22.24	
			12	7	22.16	
			12	13	22.13	
			25	0	22.29	
	1755	132422	1	0	22.98	
			1	12	22.83	
			1	24	22.93	
			12	0	21.83	
			12	7	21.78	
			12	13	21.79	
			25	0	21.91	
	1777.5	132647	1	0	22.77	
			1	12	22.87	
			1	24	21.96	
			12	0	21.73	
			12	7	21.50	
			12	13	21.51	
			25	0	21.64	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1712.5	131997	5	1	0	22.26
				1	12	22.25
				1	24	22.24
				12	0	21.33
				12	7	21.32
				12	13	21.31
				25	0	21.30
	1755	132422		1	0	21.91
				1	12	21.94
				1	24	21.79
				12	0	20.84
				12	7	20.83
				12	13	20.87
				25	0	21.05
	1777.5	132647		1	0	21.76
				1	12	21.75
				1	24	21.74
				12	0	21.03
				12	7	20.71
				12	13	20.92
				25	0	21.02

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	132022	10	1	0	24.23
				1	25	24.12
				1	49	24.03
				25	0	23.25
				25	12	23.20
				25	25	23.18
	1755	132422		50	0	23.05
				1	0	24.01
				1	25	24.04
				1	49	23.99
				25	0	22.89
				25	12	22.94
	1775	132622		25	25	23.02
				50	0	22.98
				1	0	23.86
				1	25	23.72
				1	49	23.79
				25	0	22.89
16QAM	1715	132022	25	12	22.72	
			25	25	22.70	
			50	0	22.80	
			1	0	23.07	
			1	25	22.94	
			1	49	22.84	
	1755	132422	25	0	22.09	
			25	12	22.04	
			25	25	21.85	
			50	0	21.94	
			1	0	22.83	
			1	25	22.75	
	1775	132622	1	49	22.95	
			25	0	22.17	
			25	12	22.12	
			25	25	22.06	
			50	0	22.13	
			1	0	23.19	
			1	25	23.13	
			1	49	23.15	
			25	0	22.11	
			25	12	22.29	
			25	25	22.21	
			50	0	22.21	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1715	132022	10	1	0	22.55
				1	25	22.51
				1	49	22.48
				25	0	21.55
				25	12	21.46
				25	25	21.56
				50	0	21.65
	1755	132422		1	0	22.55
				1	25	22.56
				1	49	22.57
				25	0	21.42
				25	12	21.40
				25	25	21.39
				50	0	21.39
	1775	132622		1	0	22.22
				1	25	22.10
				1	49	22.18
				25	0	21.16
				25	12	21.16
				25	25	21.22
				50	0	21.20

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	132047	15	1	0	24.10
				1	37	23.84
				1	74	24.05
				36	0	23.21
				36	29	23.15
				36	30	23.14
	75	0		23.07		
	1	0		23.90		
	1	37		23.82		
	1	74		24.05		
	36	0		22.91		
	36	29		22.87		
	36	30		22.86		
	75	0		22.89		
	1	0		23.77		
	1	37		23.56		
	1	74		23.55		
	36	0		22.86		
36	29	22.93				
36	30	22.92				
75	0	22.86				
16QAM	1717.5	132047	15	1	0	23.17
				1	37	23.10
				1	74	23.00
				36	0	22.52
				36	29	22.52
				36	30	22.59
	75	0		22.56		
	1	0		23.13		
	1	37		23.26		
	1	74		23.26		
	36	0		22.51		
	36	29		22.20		
	36	30		22.42		
	75	0		22.44		
	1	0		23.16		
	1	37		23.28		
	1	74		23.28		
	36	0		22.30		
36	29	21.87				
36	30	21.80				
75	0	22.04				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1717.5	132047	15	1	0	22.57
				1	37	22.58
				1	74	22.64
				36	0	21.45
				36	29	21.36
				36	30	21.61
				75	0	21.57
	1755	132422		1	0	22.46
				1	37	22.47
				1	74	22.47
				36	0	21.31
				36	29	21.30
				36	30	21.29
				75	0	21.36
	1772.5	132597		1	0	22.04
				1	37	22.05
				1	74	22.04
				36	0	21.03
				36	29	21.02
				36	30	21.08
				75	0	21.03

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	132072	20	1	0	24.19
				1	49	24.09
				1	99	24.10
				50	0	23.46
				50	24	23.07
				50	50	23.07
	100	0		23.09		
	1	0		24.07		
	1	49		23.85		
	1	99		23.83		
	50	0		23.16		
	50	24		23.11		
	50	50		22.82		
	100	0		22.81		
	1	0		23.99		
	1	49		23.74		
	1	99		23.73		
	50	0		22.93		
50	24	22.80				
50	50	22.77				
100	0	22.85				
16QAM	1720	132072	1	0	22.85	
			1	49	22.78	
			1	99	23.08	
			50	0	22.51	
			50	24	22.03	
			50	50	22.03	
	100	0	22.12			
	1	0	23.46			
	1	49	22.81			
	1	99	23.52			
	50	0	21.89			
	50	24	21.95			
	50	50	21.94			
	100	0	21.92			
	1	0	22.71			
	1	49	22.88			
	1	99	22.79			
	50	0	22.25			
50	24	22.08				
50	50	22.07				
100	0	22.23				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1720	132072	20	1	0	22.56
				1	49	22.38
				1	99	22.42
				50	0	21.58
				50	24	21.52
				50	50	21.61
				100	0	21.62
	1755	132422		1	0	22.43
				1	49	22.44
				1	99	22.47
				50	0	21.44
				50	24	21.68
				50	50	21.71
				100	0	21.56
	1770	132572		1	0	22.25
				1	49	22.27
				1	99	22.28
				50	0	21.28
				50	24	21.21
				50	50	21.20
				100	0	21.19

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	1.083	Fig.1	1.087	Fig.2	1.083	Fig.3
	1755	132422		6	0	1.087	Fig.4	1.083	Fig.5	1.087	Fig.6
	1779.3	132665		6	0	1.083	Fig.7	1.087	Fig.8	1.078	Fig.9
	1711.5	131987	3	15	0	2.679	Fig.10	2.679	Fig.11	2.697	Fig.12
	1755	132422		15	0	2.688	Fig.13	2.688	Fig.14	2.688	Fig.15
	1778.5	132657		15	0	2.688	Fig.16	2.679	Fig.17	2.679	Fig.18
	1712.5	131997	5	25	0	4.481	Fig.19	4.466	Fig.20	4.466	Fig.21
	1755	132422		25	0	4.466	Fig.22	4.466	Fig.23	4.466	Fig.24
	1777.5	132647		25	0	4.466	Fig.25	4.466	Fig.26	4.466	Fig.27
	1715	132022	10	50	0	8.931	Fig.28	8.931	Fig.29	8.961	Fig.30
	1755	132422		50	0	8.931	Fig.31	8.961	Fig.32	8.931	Fig.33
	1775	132622		50	0	8.931	Fig.34	8.961	Fig.35	8.931	Fig.36
	1717.5	132047	15	75	0	13.487	Fig.37	13.397	Fig.38	13.442	Fig.39
	1755	132422		75	0	13.442	Fig.40	13.487	Fig.41	13.442	Fig.42
	1772.5	132597		75	0	13.442	Fig.43	13.442	Fig.44	13.442	Fig.45
	1720	132072	20	100	0	17.922	Fig.46	17.922	Fig.47	17.862	Fig.48
	1755	132422		100	0	17.862	Fig.49	17.862	Fig.50	17.862	Fig.51
	1770	132572		100	0	17.922	Fig.52	17.862	Fig.53	17.862	Fig.54

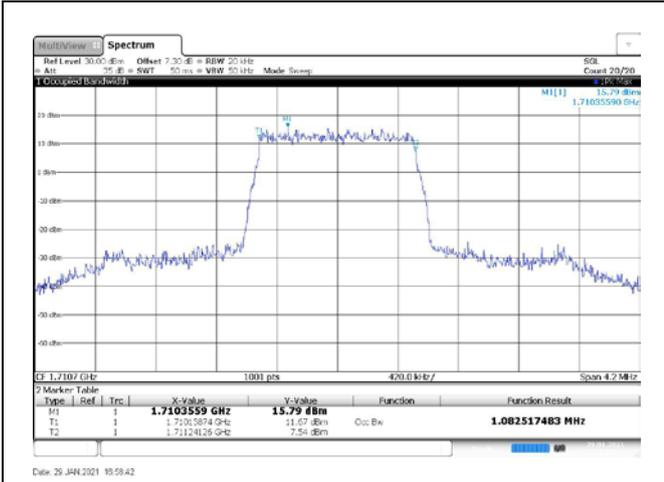


Fig.1

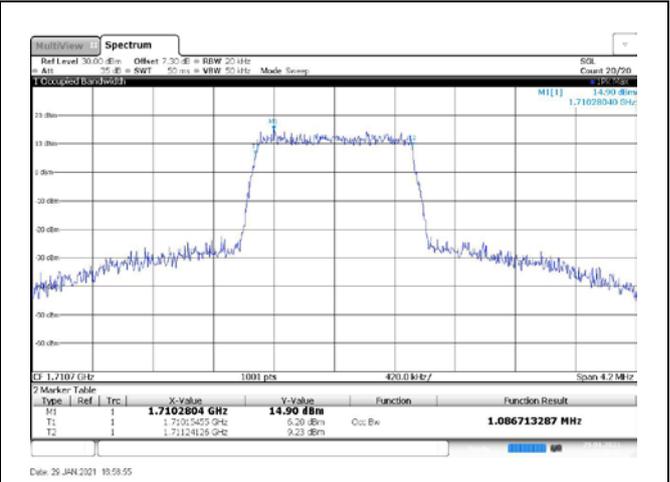


Fig.2

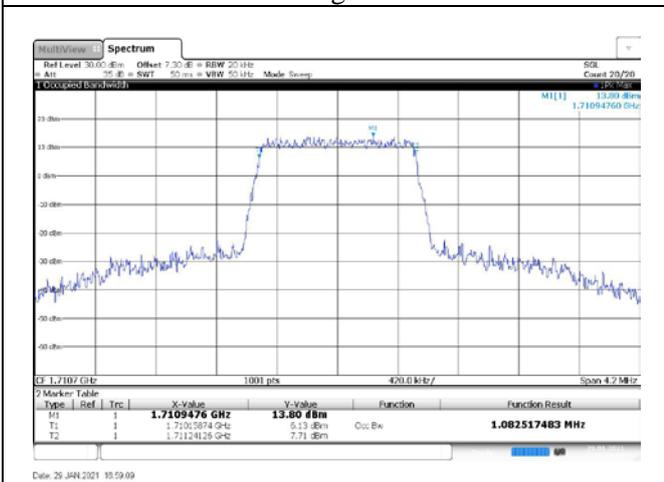


Fig.3

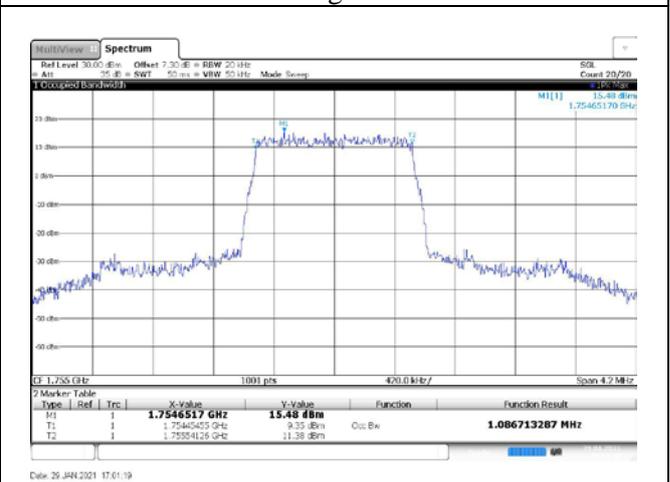


Fig.4

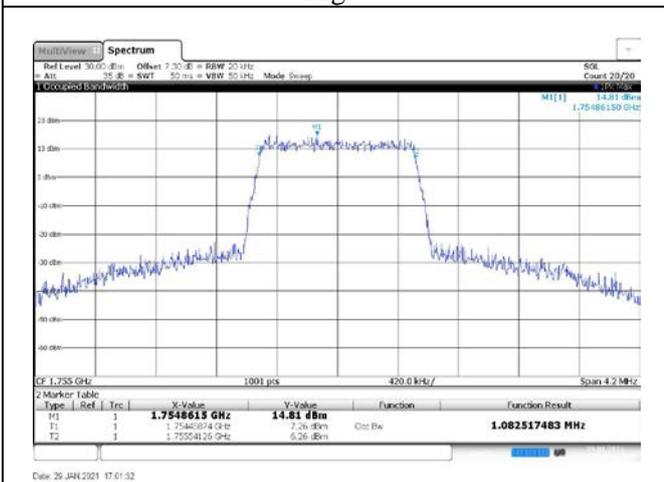


Fig.5

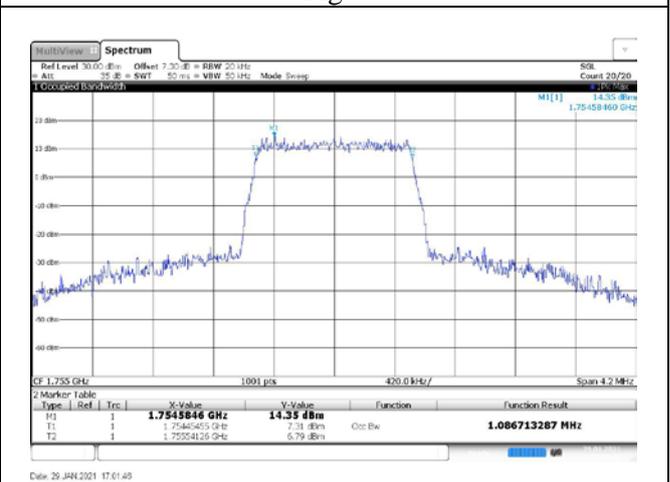


Fig.6

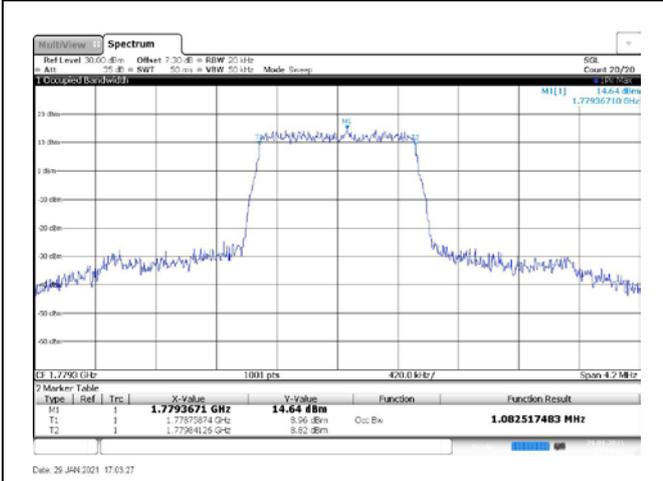


Fig.7

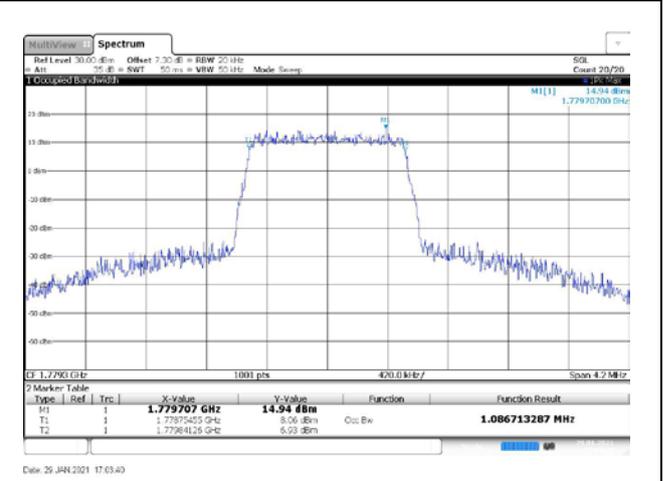


Fig.8

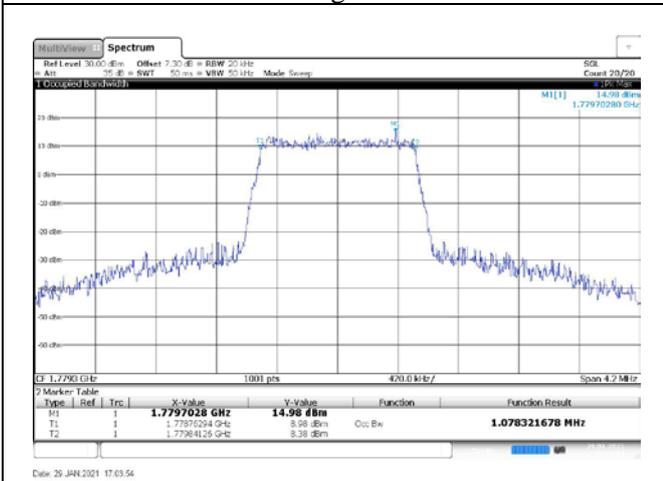


Fig.9

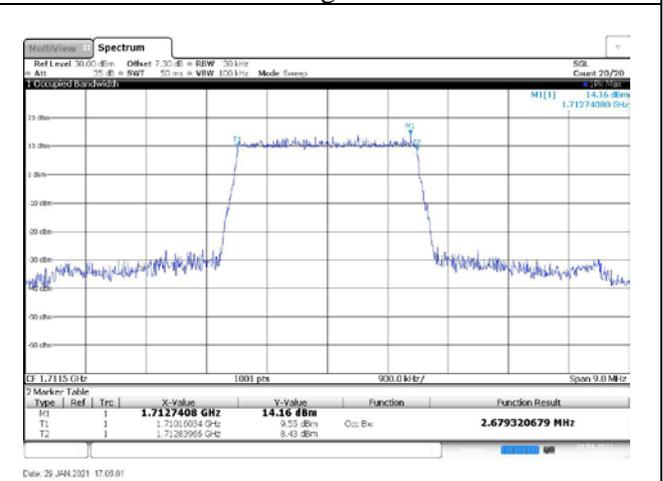


Fig.10

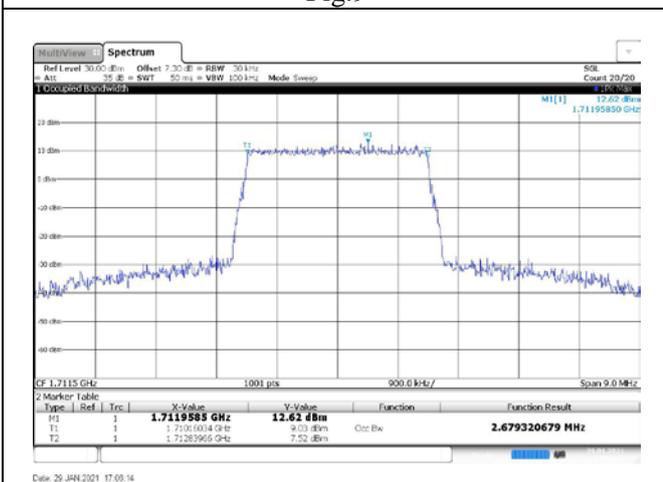


Fig.11

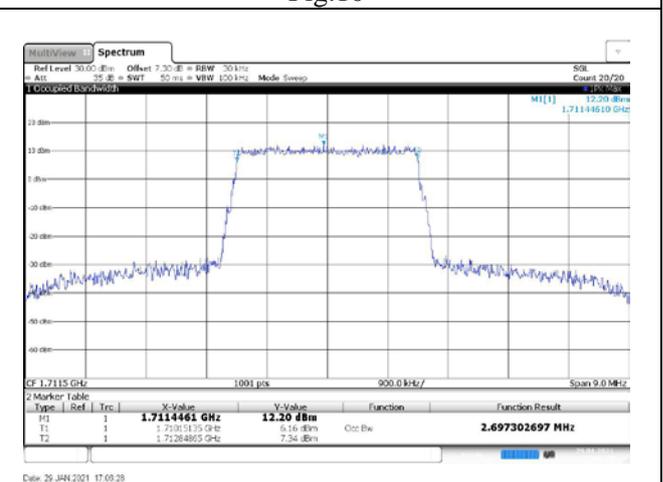


Fig.12

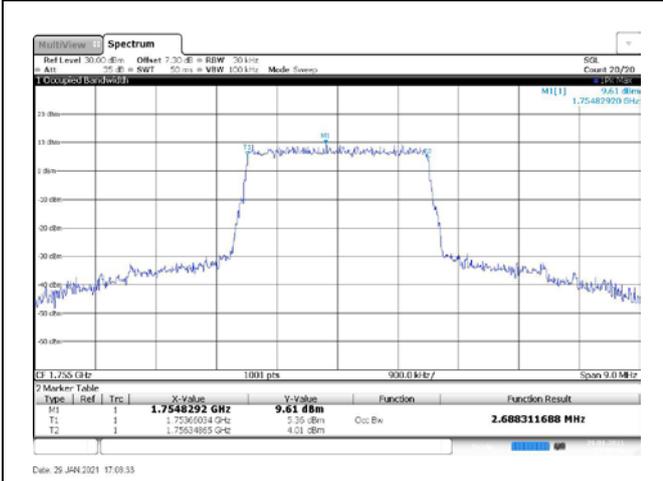


Fig.13

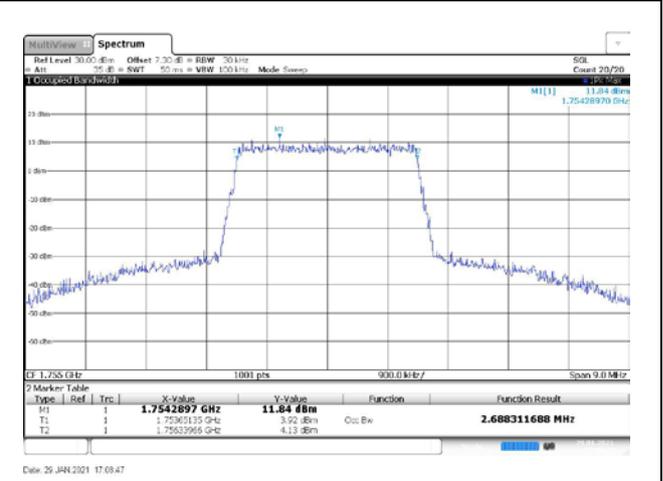


Fig.14

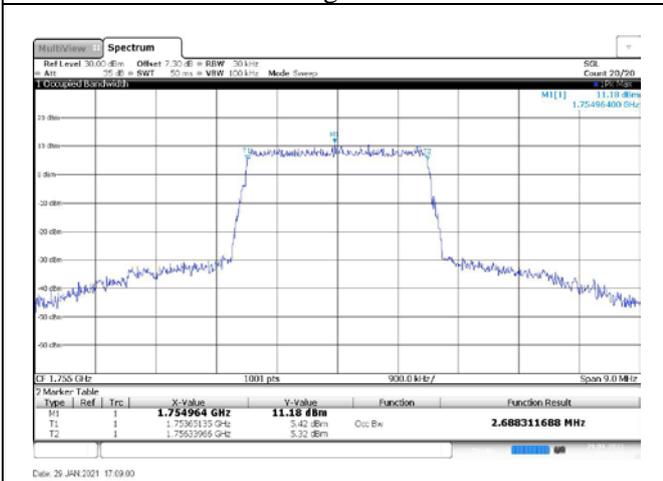


Fig.15

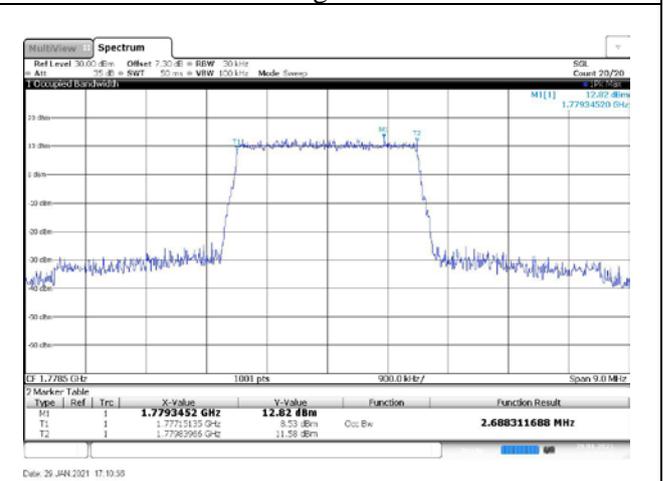


Fig.16

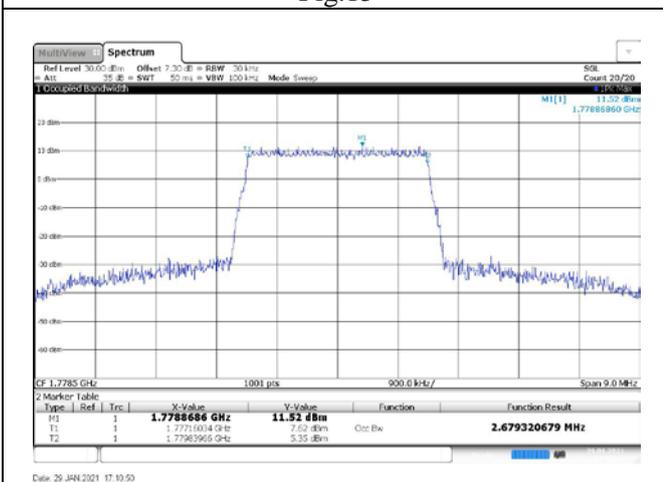


Fig.17

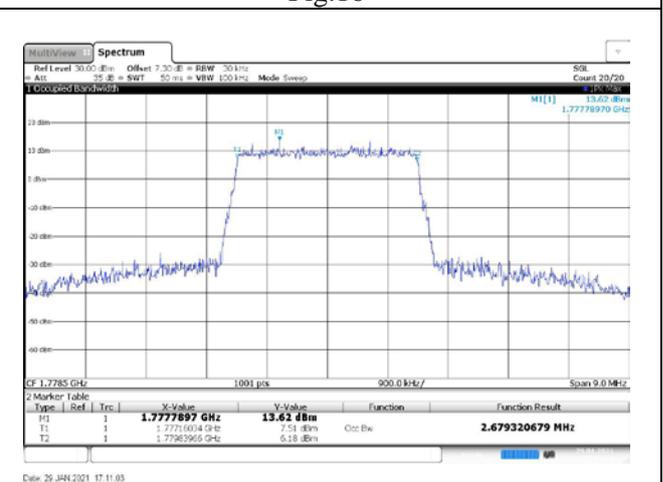


Fig.18

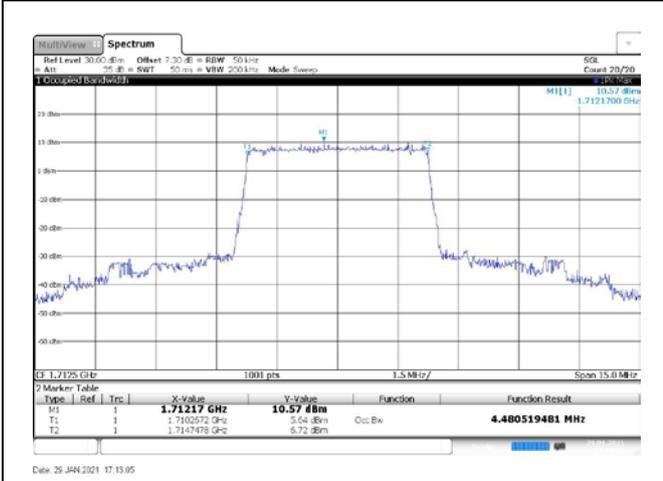


Fig.19

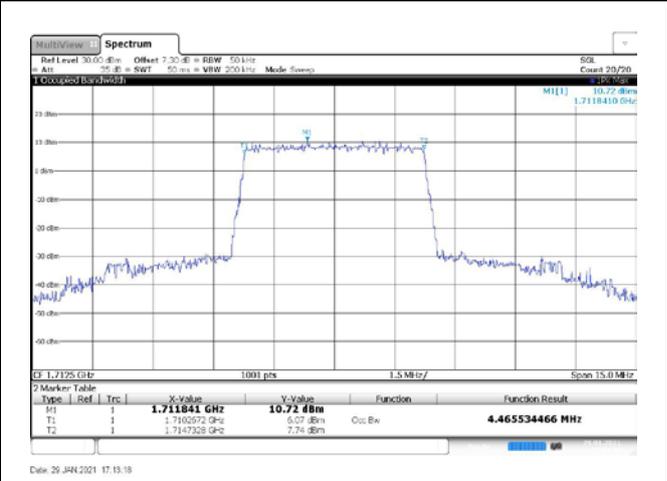


Fig.20

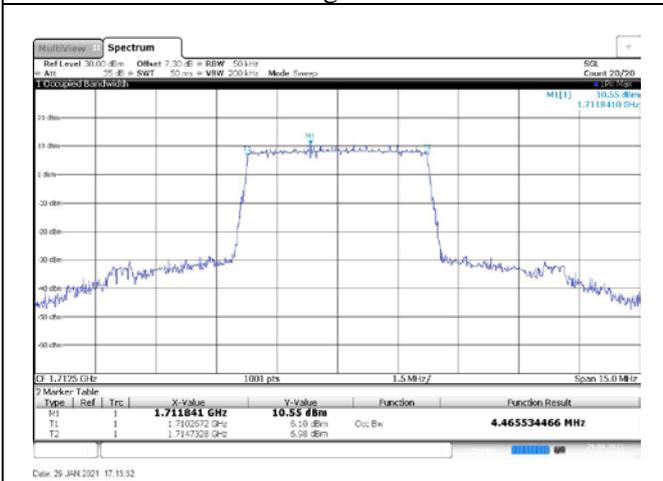


Fig.21

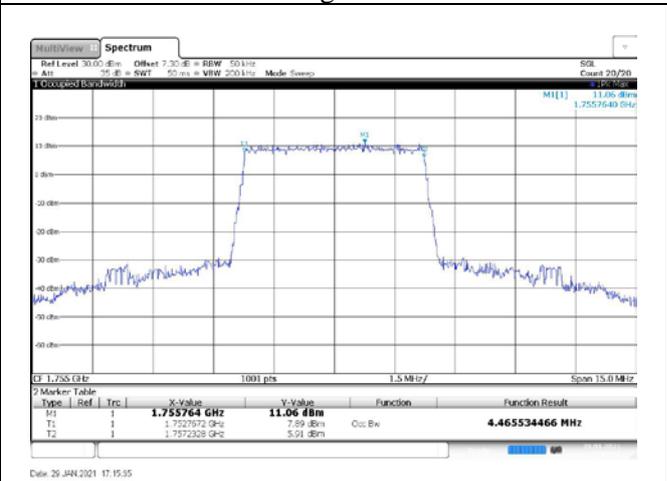


Fig.22

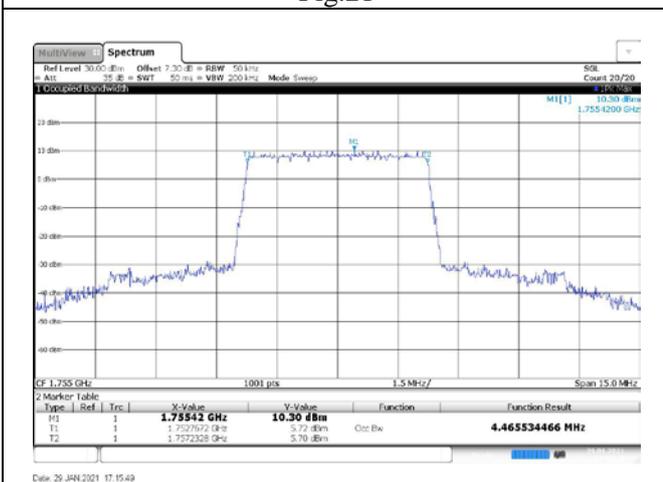


Fig.23

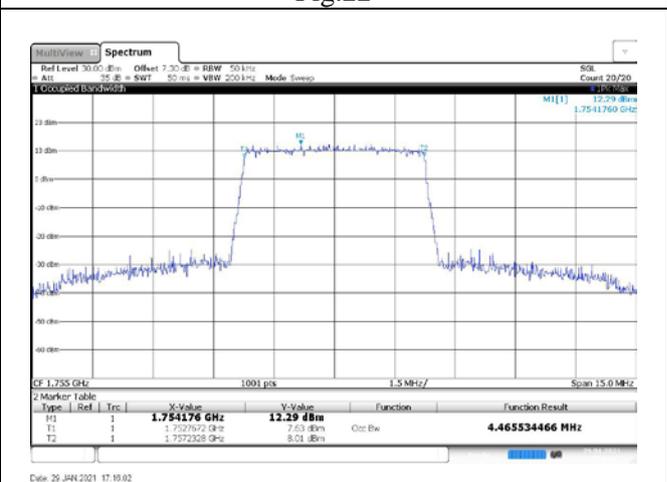


Fig.24

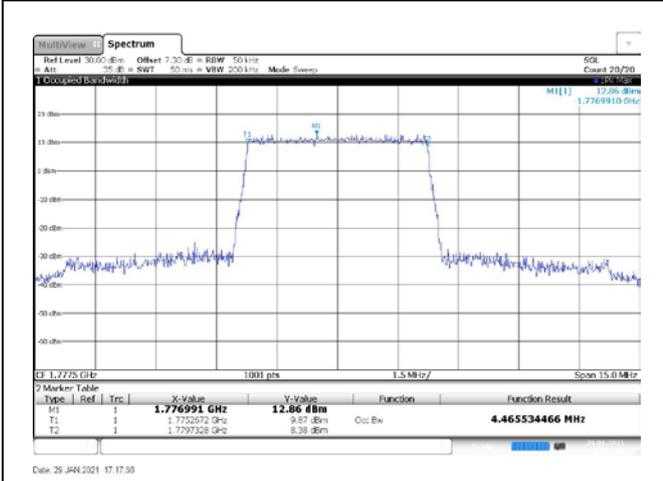


Fig.25

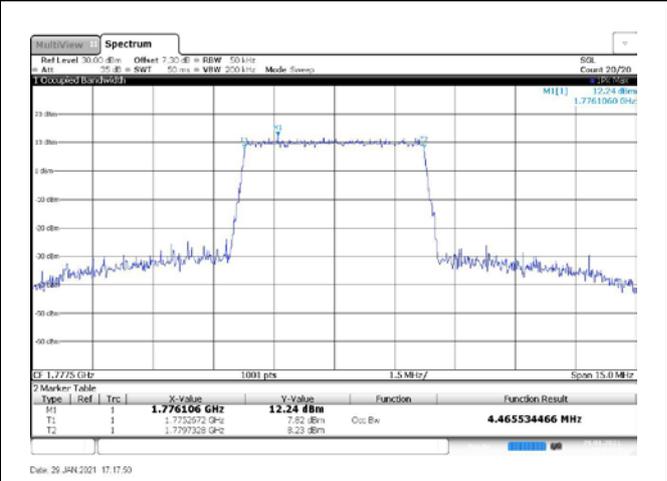


Fig.26

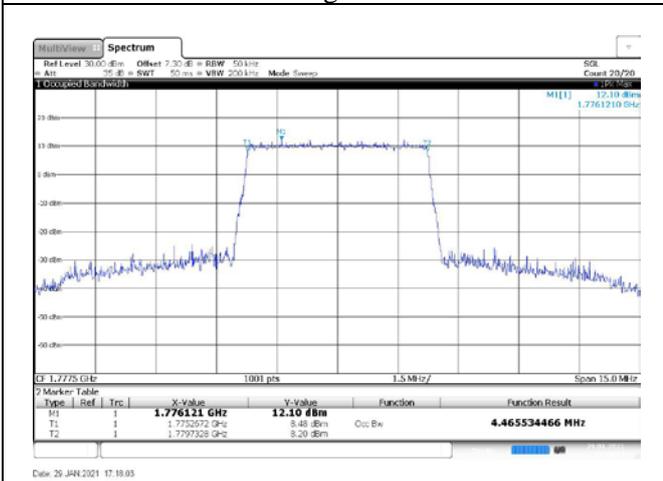


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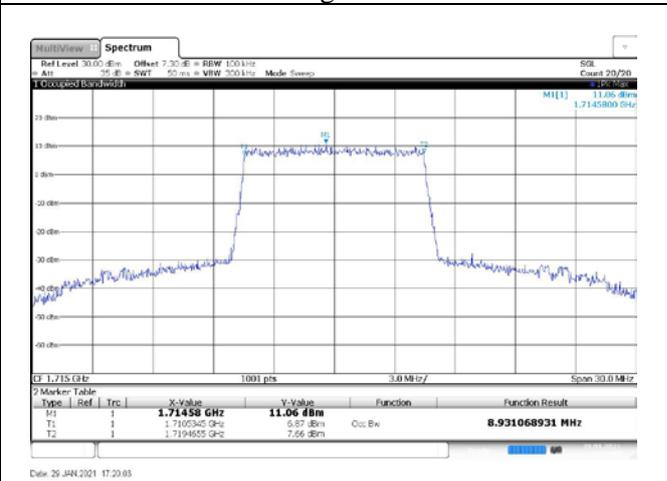


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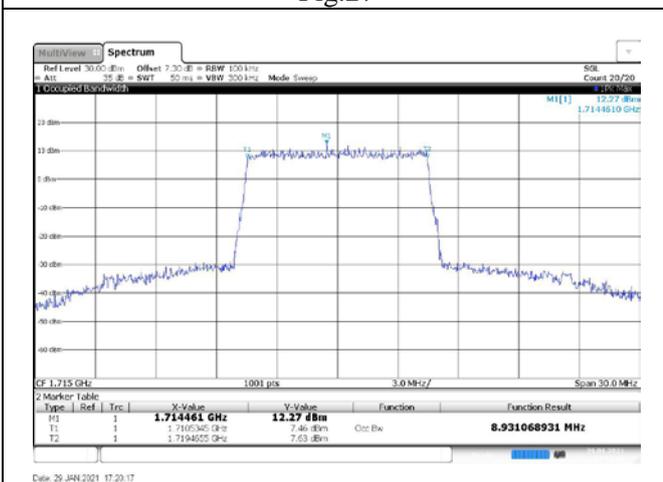


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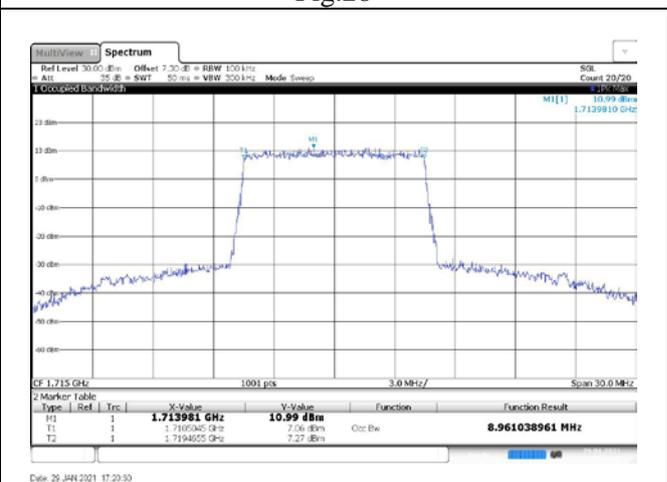


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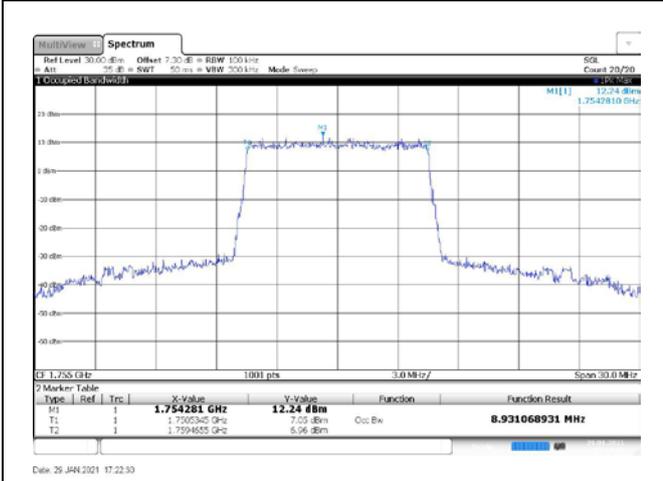


Fig.31

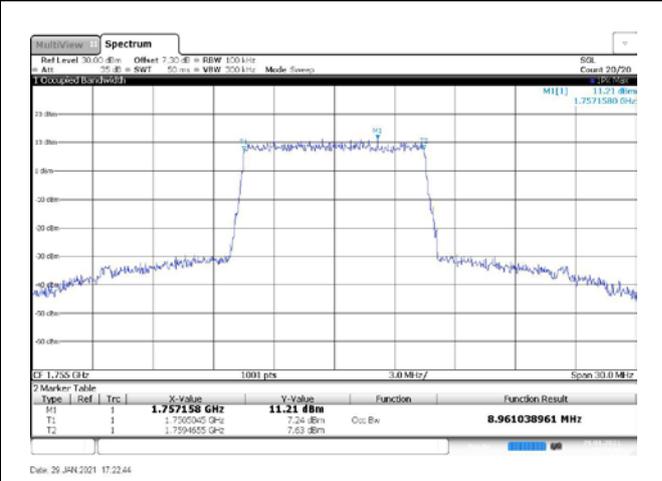


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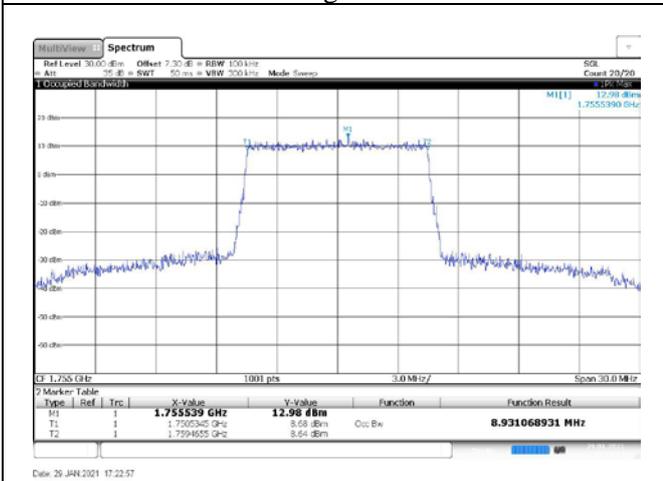


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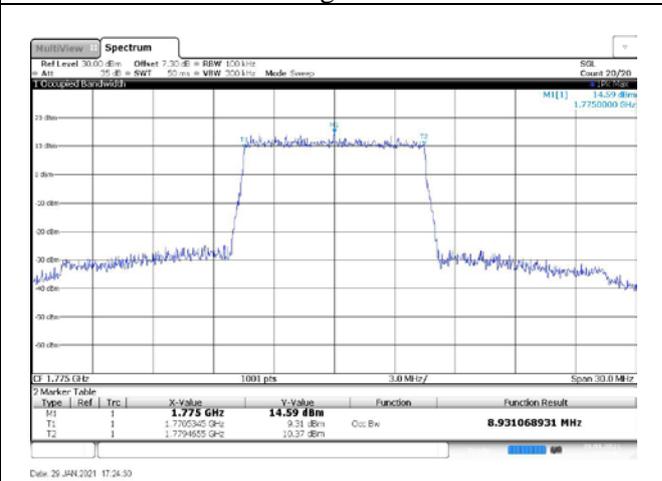


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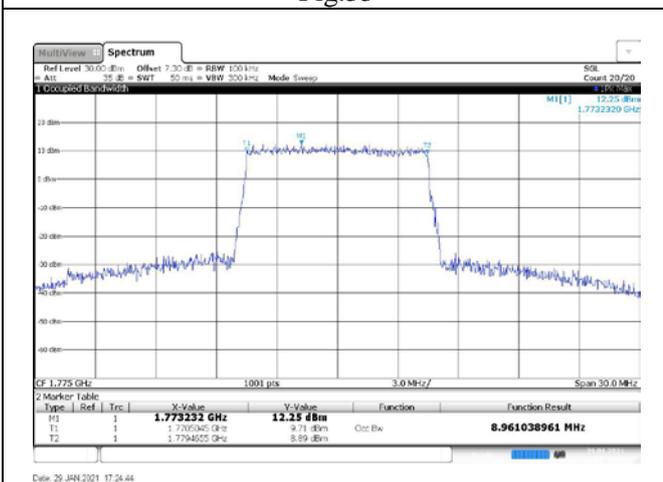


Fig.35

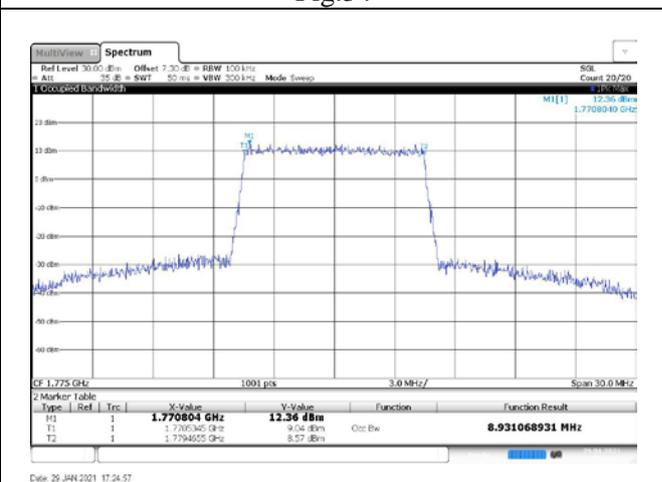


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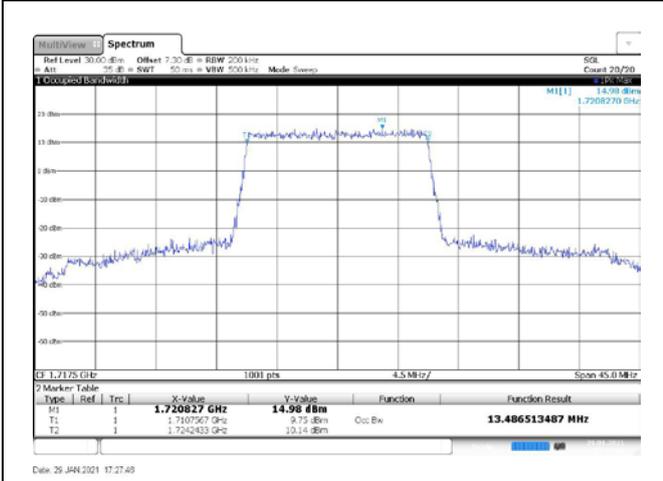


Fig.37

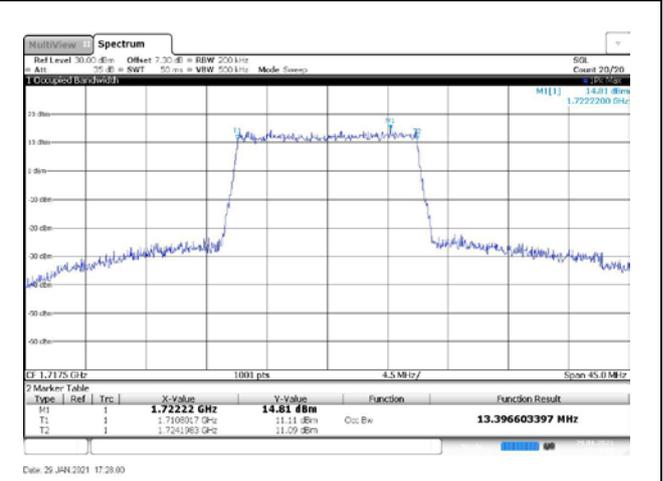


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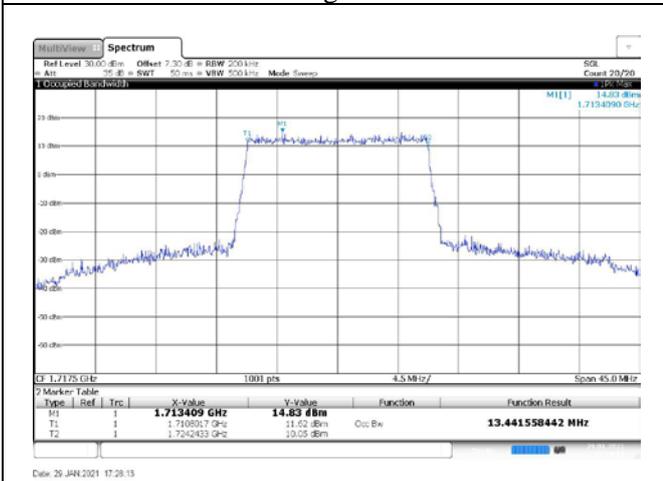


Fig.39

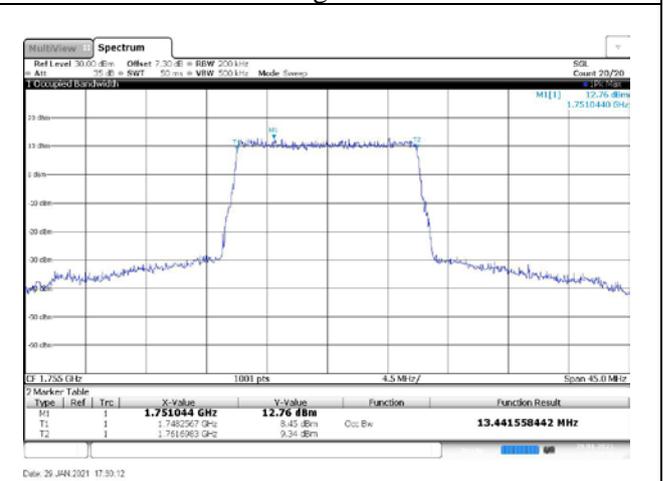


Fig.40

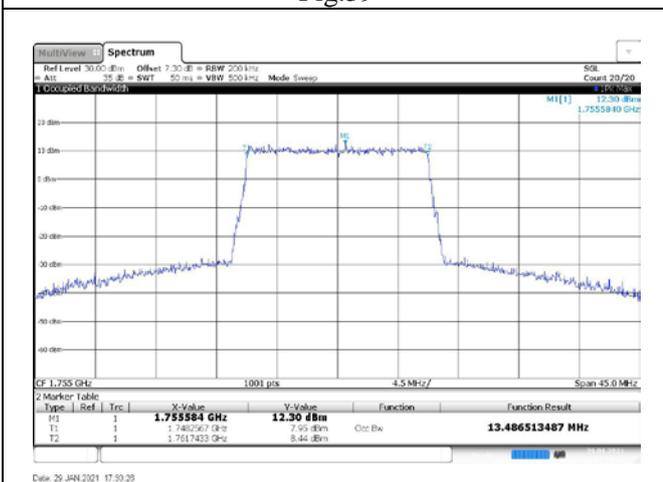


Fig.41

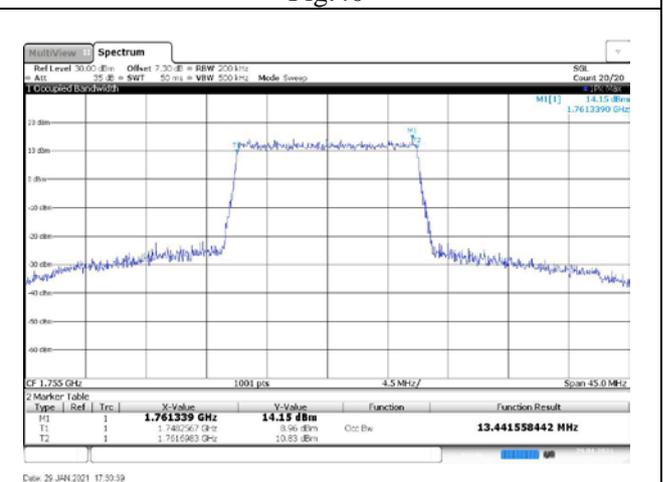


Fig.42

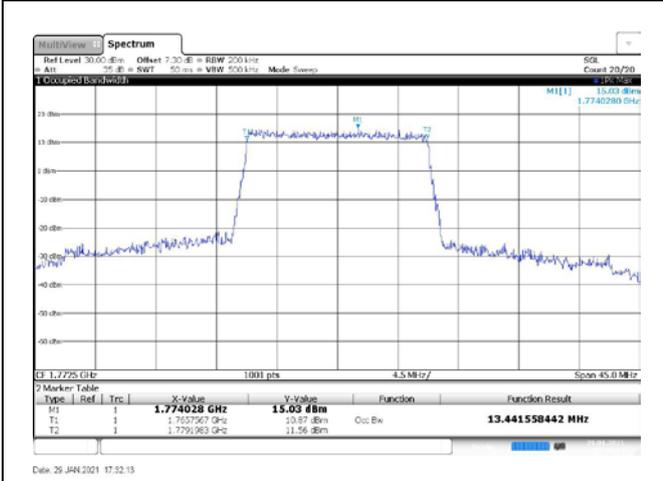


Fig.43

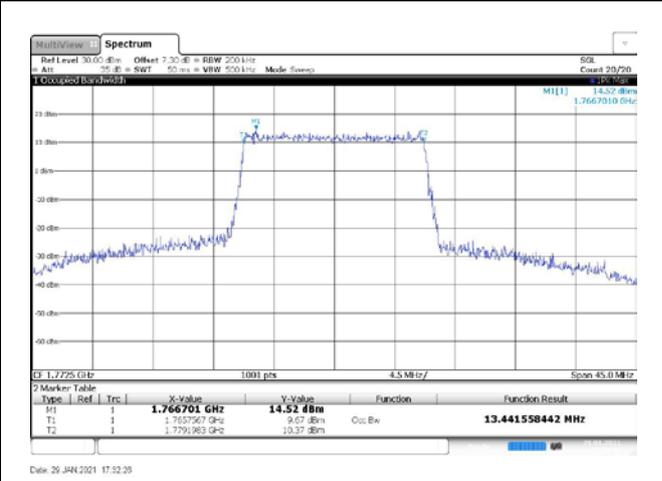


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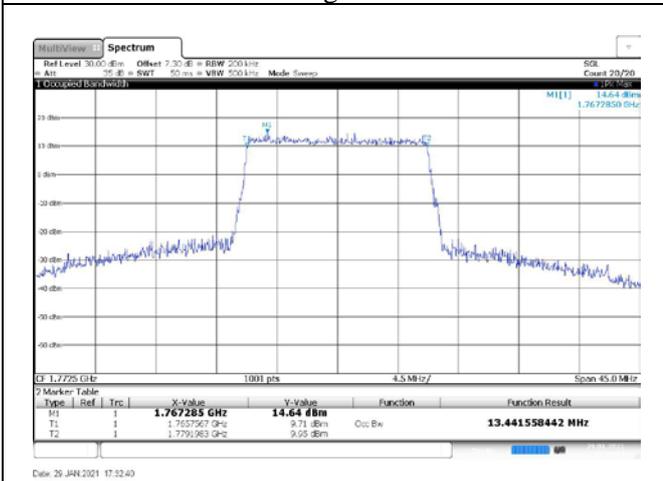


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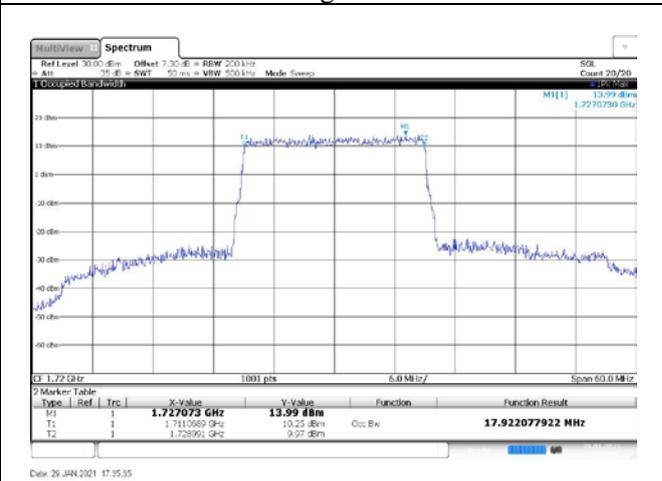


Fig.46

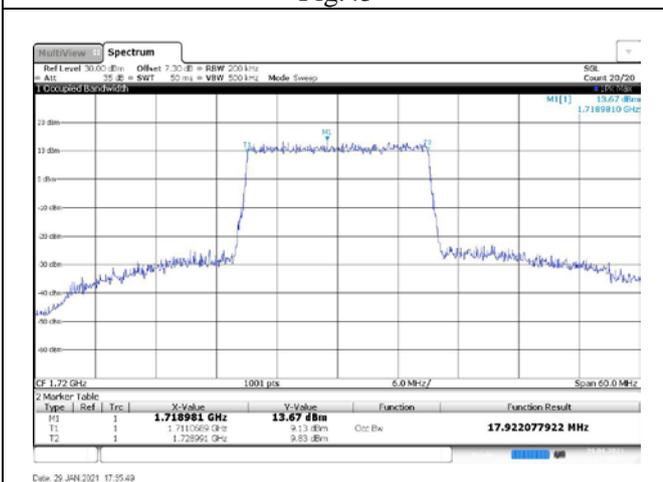


Fig.47

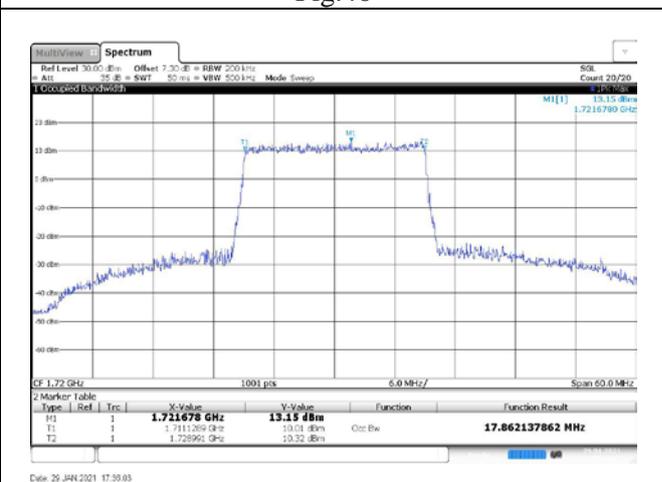


Fig.48

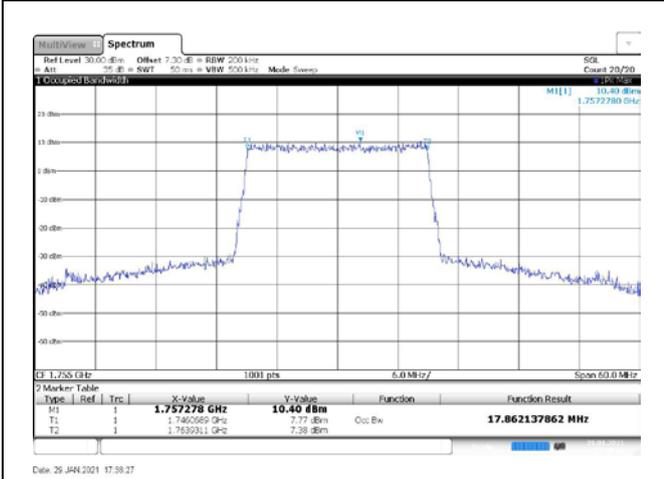


Fig.49

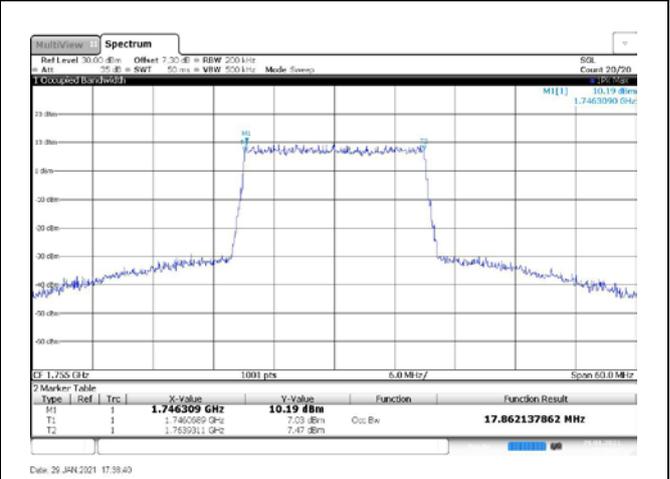


Fig.50

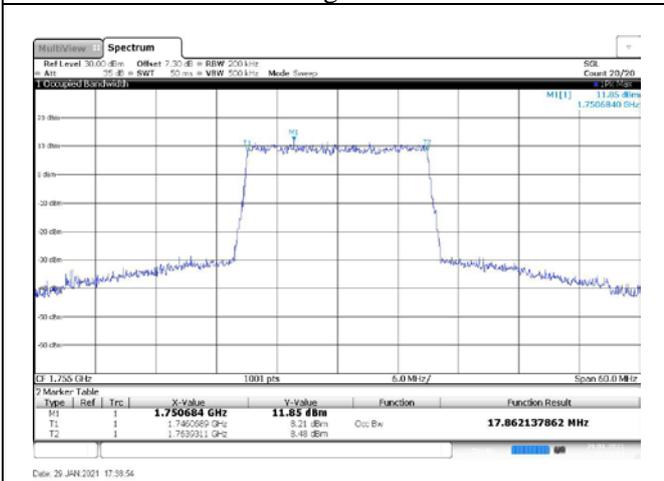


Fig.51

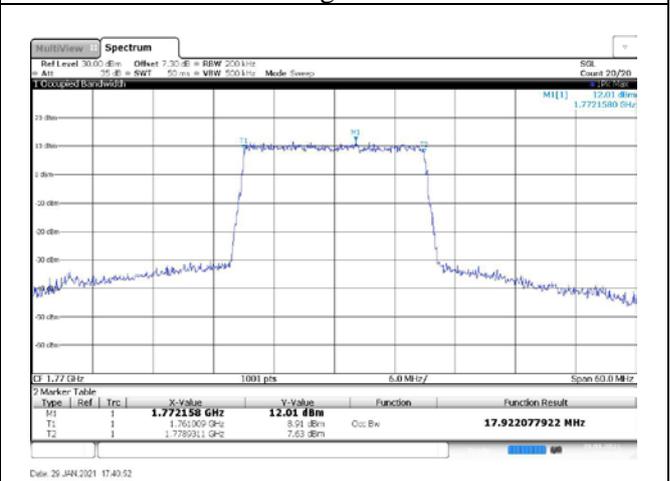


Fig.52

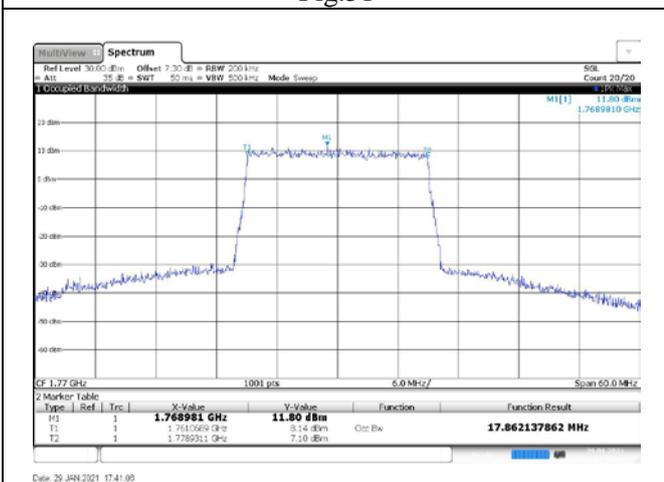


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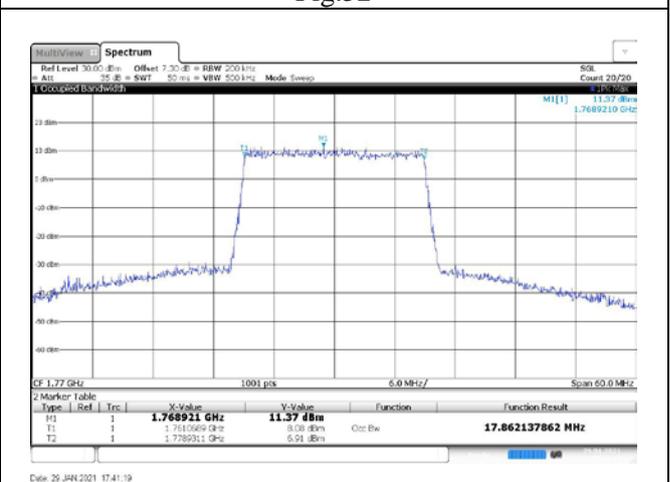


Fig.54

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	1.229	Fig.1	1.225	Fig.2	1.229	Fig.3
	1755	132422		6	0	1.225	Fig.4	1.217	Fig.5	1.229	Fig.6
	1779.3	132665		6	0	1.229	Fig.7	1.234	Fig.8	1.225	Fig.9
	1711.5	131987	3	15	0	2.985	Fig.10	2.985	Fig.11	2.958	Fig.12
	1755	132422		15	0	2.958	Fig.13	2.985	Fig.14	2.967	Fig.15
	1778.5	132657		15	0	2.976	Fig.16	2.976	Fig.17	2.976	Fig.18
	1712.5	131997	5	25	0	4.870	Fig.19	4.855	Fig.20	4.870	Fig.21
	1755	132422		25	0	4.915	Fig.22	4.915	Fig.23	4.885	Fig.24
	1777.5	132647		25	0	4.780	Fig.25	4.915	Fig.26	4.855	Fig.27
	1715	132022	10	50	0	9.680	Fig.28	9.590	Fig.29	9.770	Fig.30
	1755	132422		50	0	9.680	Fig.31	9.680	Fig.32	9.740	Fig.33
	1775	132622		50	0	9.590	Fig.34	9.740	Fig.35	9.710	Fig.36
	1717.5	132047	15	75	0	14.745	Fig.37	14.565	Fig.38	14.700	Fig.39
	1755	132422		75	0	14.790	Fig.40	14.700	Fig.41	14.565	Fig.42
	1772.5	132597		75	0	14.745	Fig.43	14.655	Fig.44	14.655	Fig.45
	1720	132072	20	100	0	19.301	Fig.46	19.301	Fig.47	19.181	Fig.48
	1755	132422		100	0	19.421	Fig.49	19.301	Fig.50	19.301	Fig.51
	1770	132572		100	0	19.361	Fig.52	19.181	Fig.53	19.241	Fig.54

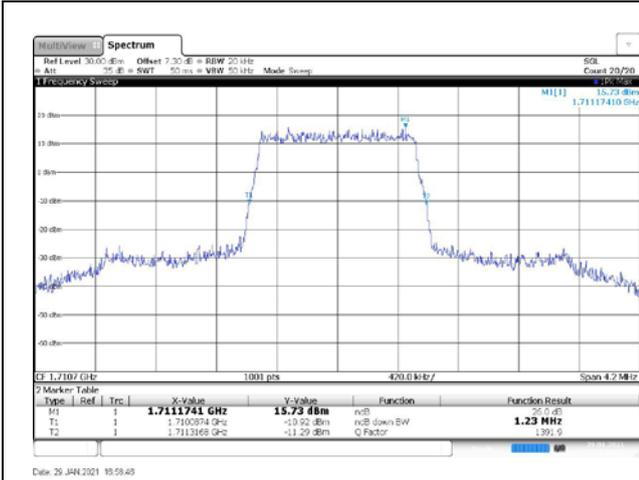


Fig.1

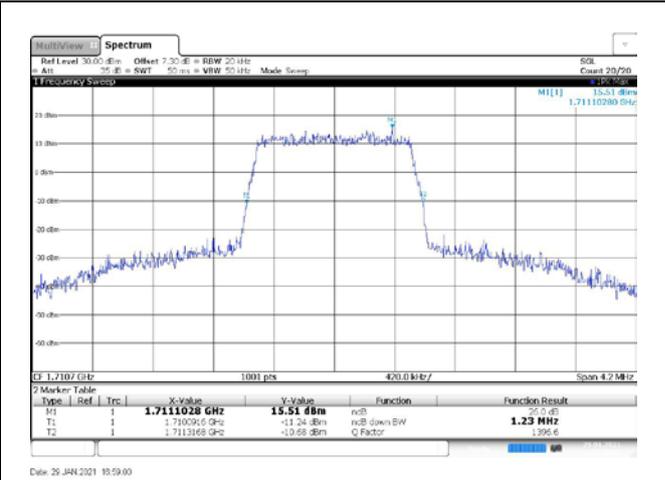


Fig.2

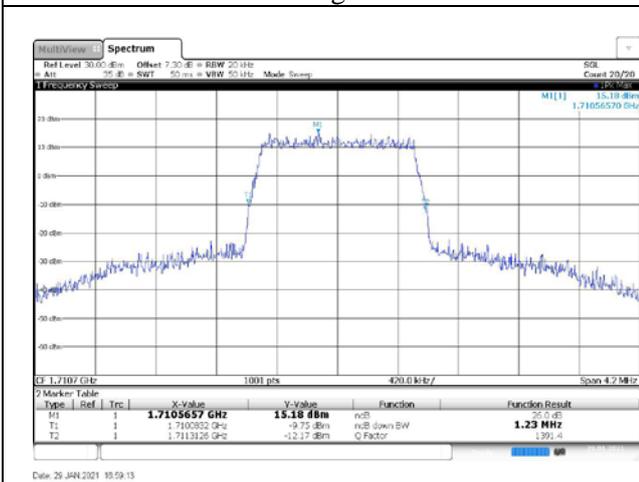


Fig.3

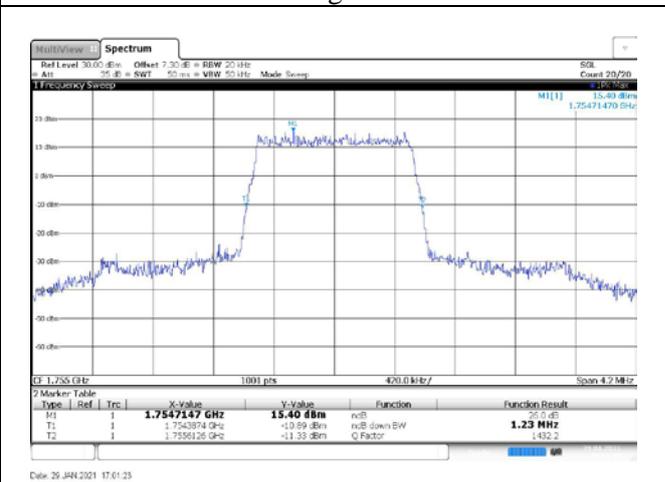


Fig.4

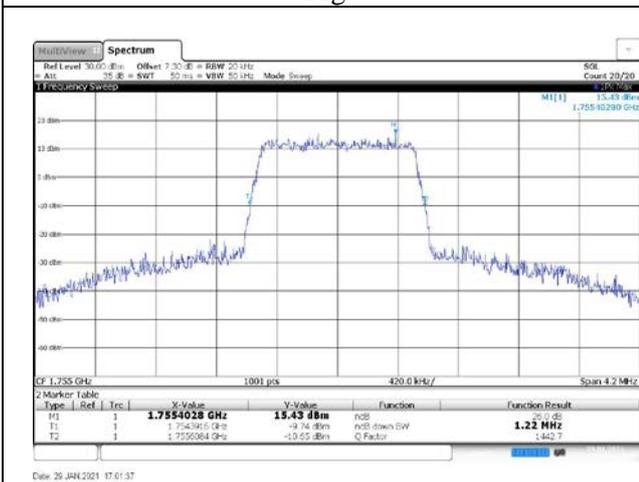


Fig.5

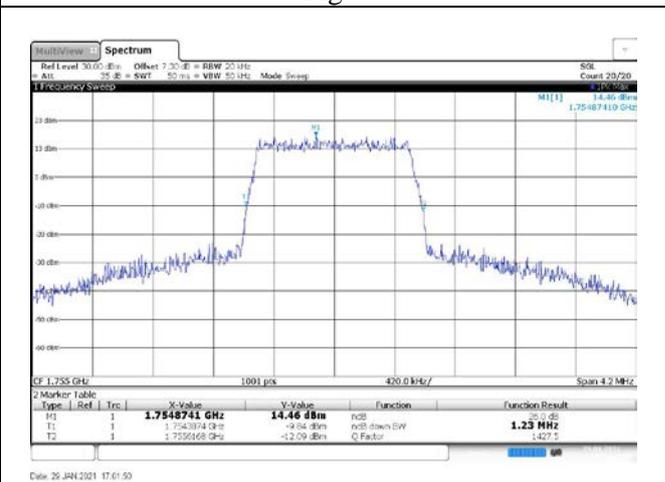


Fig.6

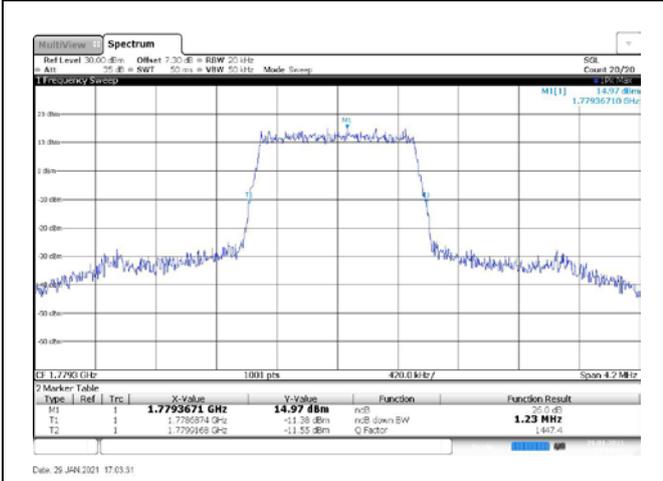


Fig.7

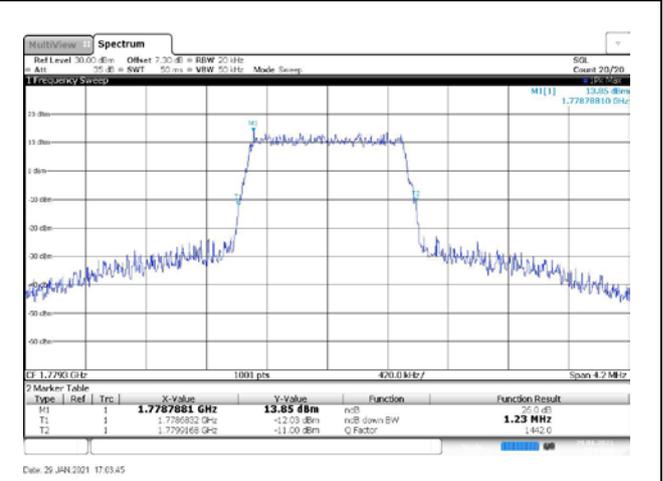


Fig.8

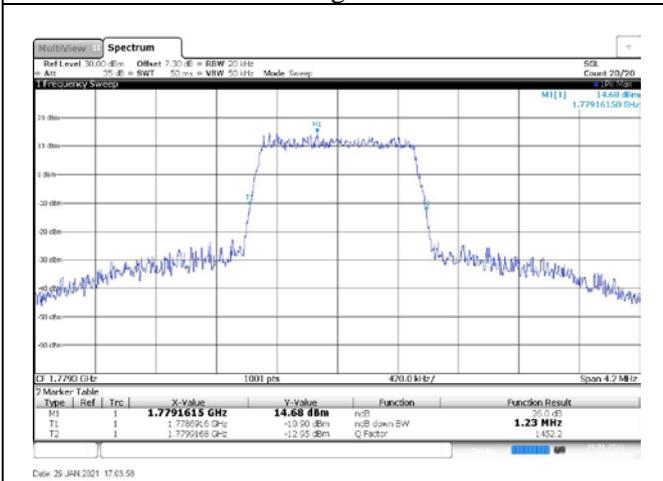


Fig.9

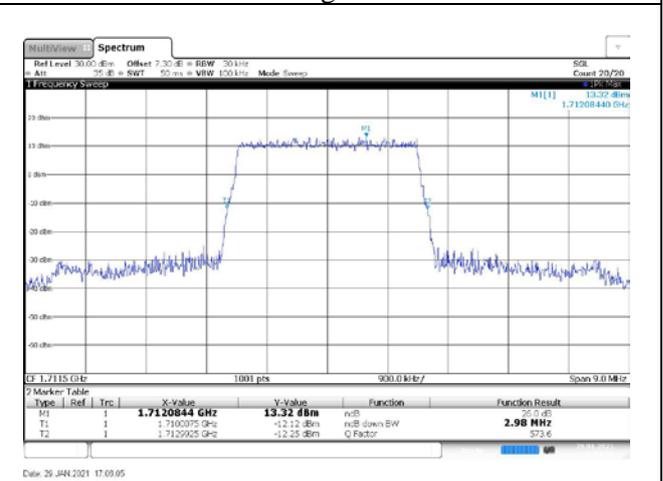


Fig.10

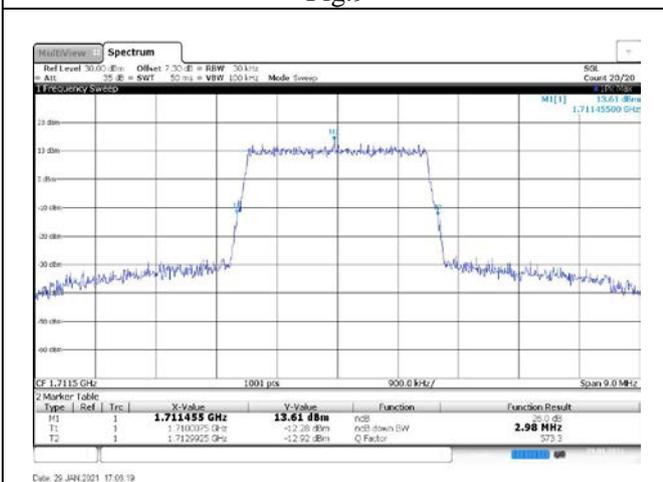


Fig.11

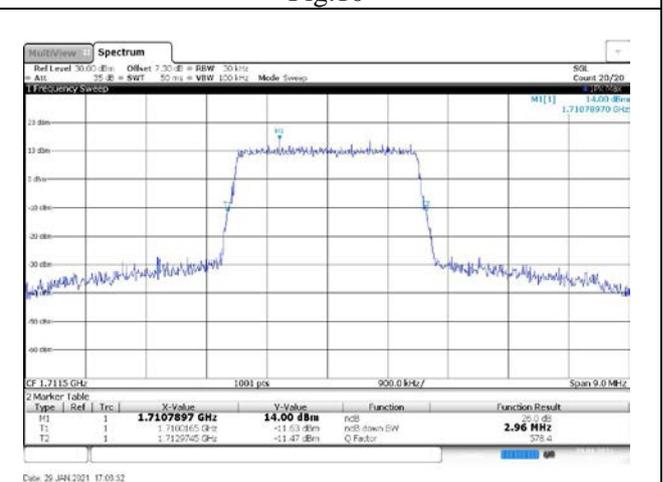


Fig.12

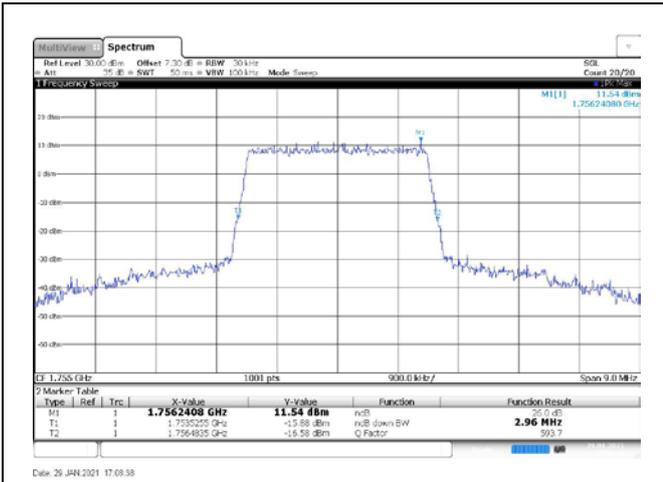


Fig.13

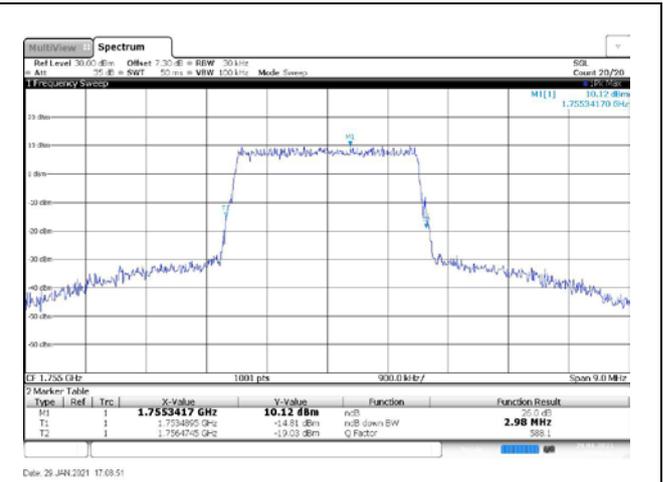


Fig.14

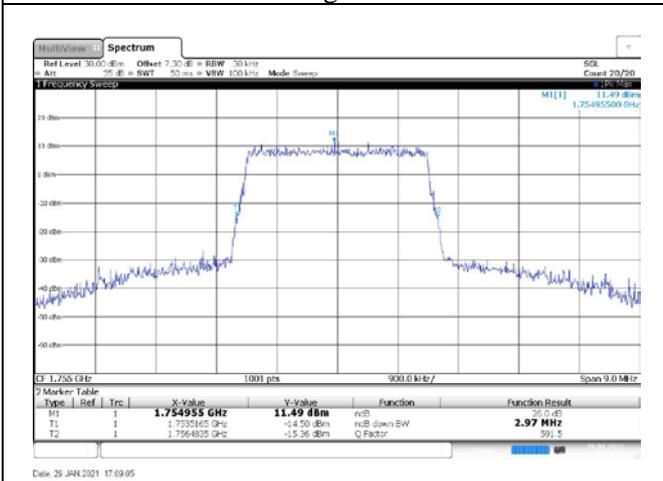


Fig.15

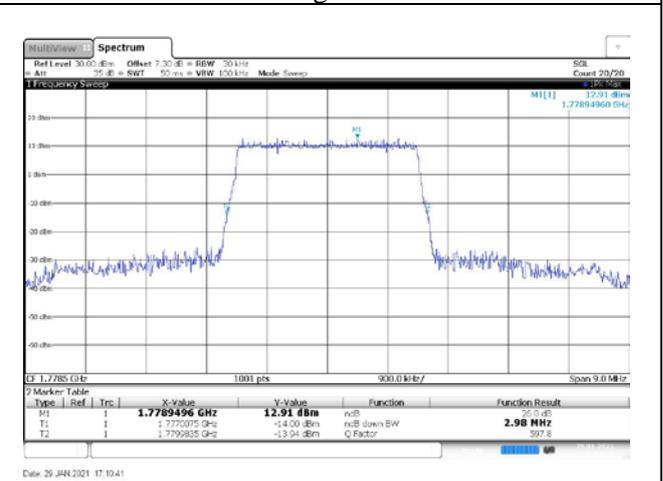


Fig.16

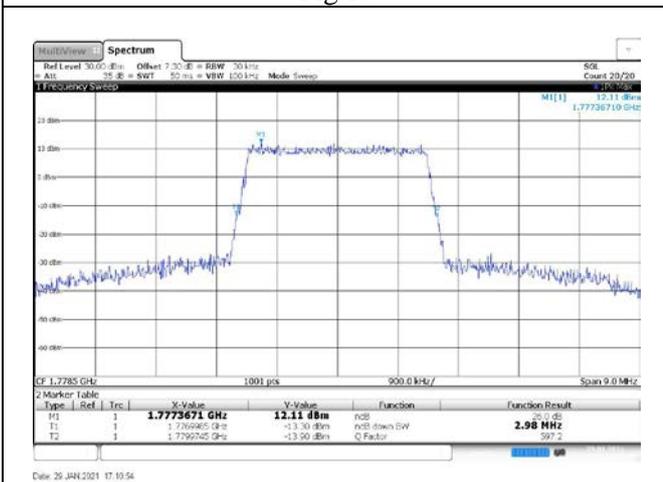


Fig.17

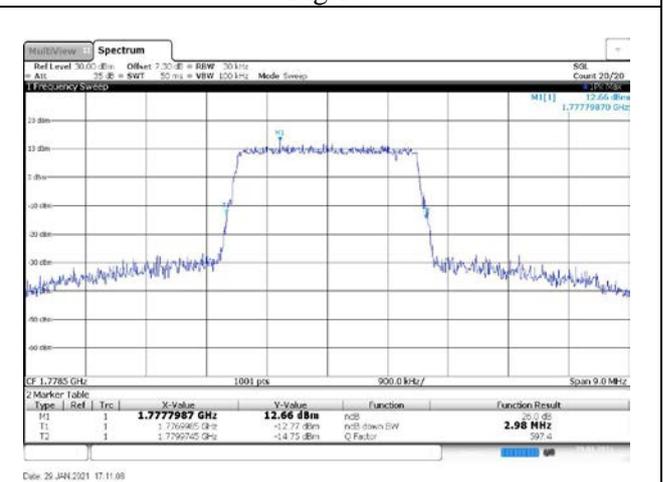


Fig.18

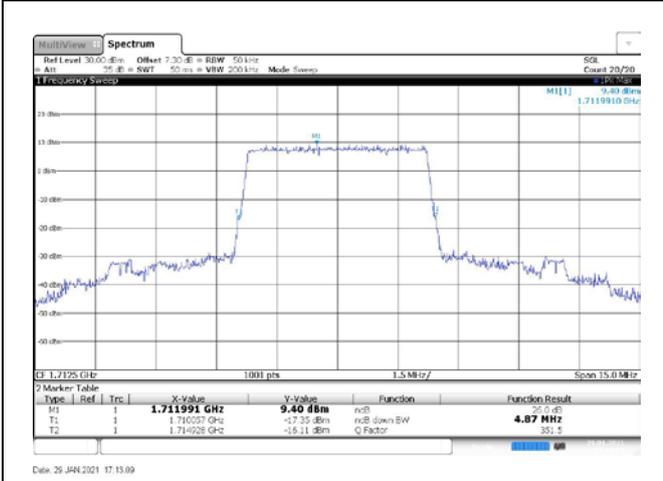


Fig.19

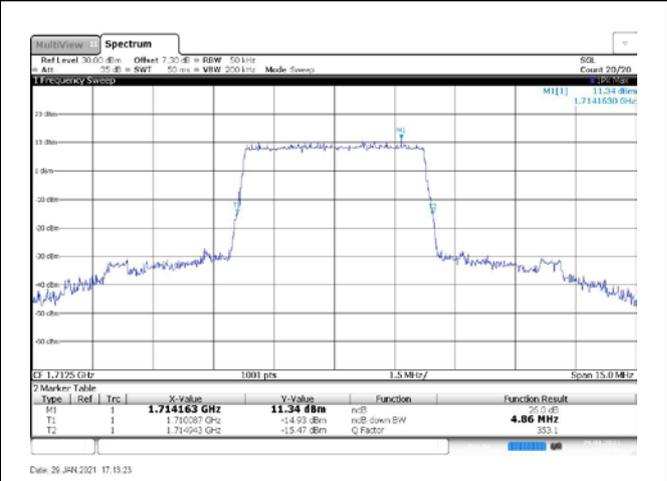


Fig.20

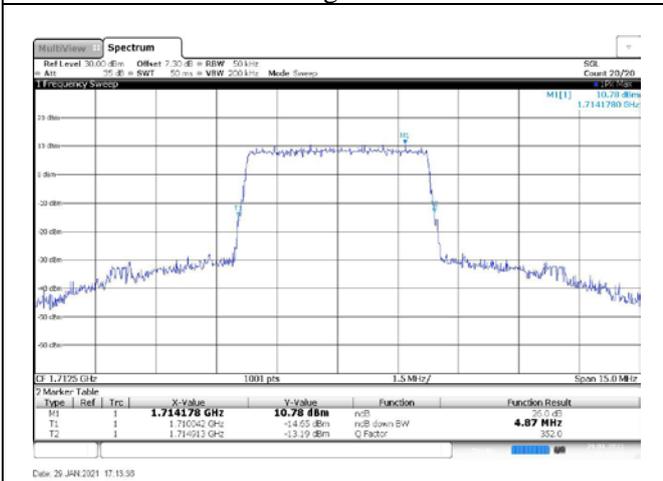


Fig.21

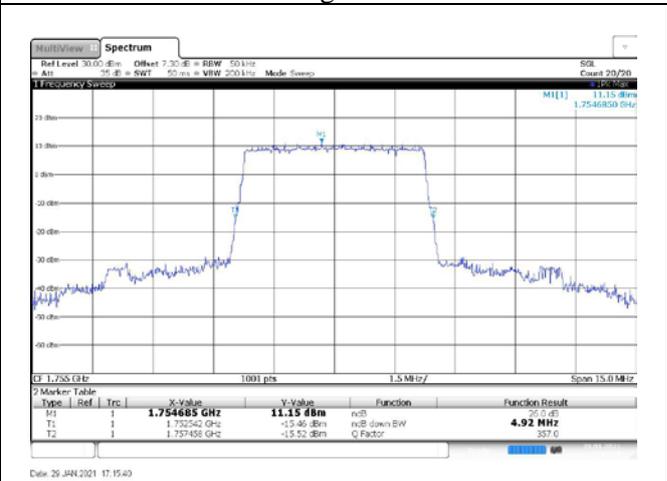


Fig.22

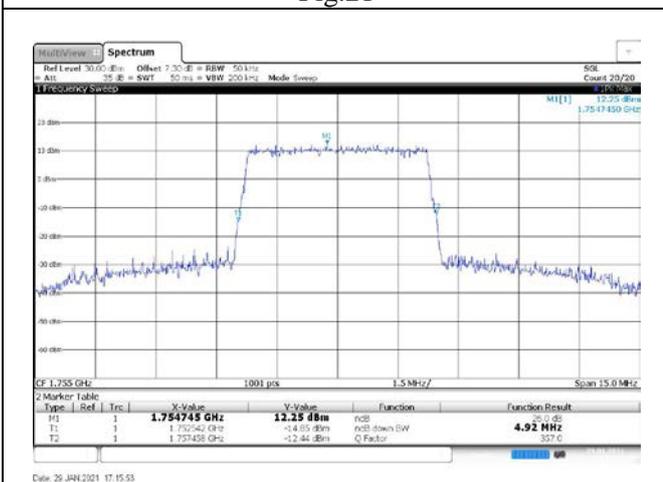


Fig.23

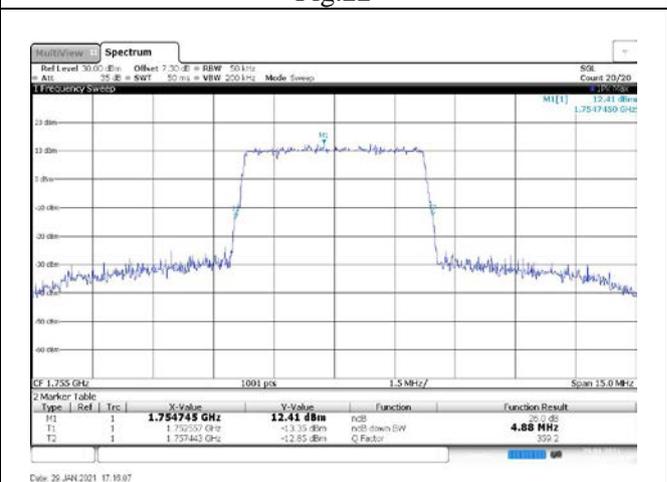


Fig.24