

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	23.70
				1	3	23.68
				1	5	23.63
				3	0	23.66
				3	1	23.82
				3	3	23.77
	6	0		22.80		
	1	0		23.83		
	1	3		23.42		
	1	5		23.40		
	3	0		23.56		
	3	1		23.48		
	3	3		23.58		
	6	0		22.49		
	1	0		23.33		
	1	3		23.34		
	1	5		23.33		
	16QAM	1710.7		131979	3	0
3			1		23.38	
3			3		23.45	
6			0		22.51	
1			0		22.81	
1			3		22.82	
1		5	22.82			
3		0	23.06			
3		1	23.03			
3		3	23.11			
6		0	21.88			
1		0	22.49			
1		3	22.61			
1		5	22.52			
3		0	22.54			
3		1	22.47			
3		3	22.54			
6		0	21.39			
1	0	22.43				
1	3	22.44				
1	5	22.48				
3	0	22.56				
3	1	22.44				
3	3	22.56				
6	0	21.41				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1710.7	131979	1.4	1	0	21.85
				1	3	21.87
				1	5	21.82
				3	0	21.94
				3	1	21.54
				3	3	21.28
	6	0		21.53		
	1755	132422		1	0	21.46
				1	3	21.43
				1	5	21.32
				3	0	21.48
				3	1	21.33
				3	3	21.41
	6	0		21.44		
	1779.3	132665		1	0	21.37
				1	3	21.31
				1	5	21.34
				3	0	21.34
				3	1	21.34
				3	3	21.34
	6	0		21.39		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	131987	3	1	0	23.38
				1	8	23.34
				1	14	23.40
				8	0	22.42
				8	4	22.33
				8	7	22.42
	15	0		22.42		
	1	0		23.45		
	1	8		23.52		
	1	14		23.48		
	8	0		22.51		
	8	4		22.57		
	8	7		22.50		
	15	0		22.46		
	1	0		23.45		
	1	8		23.45		
	1	14		23.42		
	8	0		22.48		
8	4	22.45				
8	7	22.46				
15	0	22.46				
16QAM	1711.5	131987	3	1	0	22.53
				1	8	22.47
				1	14	22.51
				8	0	21.43
				8	4	21.42
				8	7	21.39
	15	0		21.41		
	1	0		22.68		
	1	8		22.68		
	1	14		22.62		
	8	0		21.57		
	8	4		21.50		
	8	7		21.52		
	15	0		21.54		
	1	0		22.61		
	1	8		22.52		
	1	14		22.50		
	8	0		21.53		
8	4	21.45				
8	7	21.43				
15	0	21.53				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1711.5	131987	3	1	0	21.39
				1	8	21.35
				1	14	21.40
				8	0	21.42
				8	4	21.47
				8	7	21.39
				15	0	21.44
	1755	132422		1	0	21.62
				1	8	21.52
				1	14	21.56
				8	0	21.57
				8	4	21.54
				8	7	21.53
				15	0	21.48
	1778.5	132657		1	0	21.47
				1	8	21.54
				1	14	21.54
				8	0	21.47
				8	4	21.51
				8	7	21.53
				15	0	21.53

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	131997	5	1	0	23.29
				1	12	23.21
				1	24	23.31
				12	0	22.38
				12	7	22.42
				12	13	22.44
	25	0		22.37		
	1	0		23.41		
	1	12		23.40		
	1	24		23.51		
	12	0		22.46		
	12	7		22.55		
	12	13		22.49		
	25	0		22.50		
	1	0		23.38		
	1	12		23.32		
	1	24		23.38		
	16QAM	1712.5		131997	12	0
12			7		22.50	
12			13		22.42	
25			0		22.51	
1			0		22.39	
1			12		22.36	
1		24	22.33			
12		0	21.35			
12		7	21.34			
12		13	21.38			
25		0	21.40			
1		0	22.57			
1		12	22.56			
1		24	22.55			
12		0	21.45			
12		7	21.48			
12		13	21.44			
25		0	21.51			
1777.5	132647	1	0	22.50		
		1	12	22.46		
		1	24	22.44		
		12	0	21.46		
		12	7	21.29		
		12	13	21.40		
25	0	21.48				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1712.5	131997	5	1	0	21.45
				1	12	21.39
				1	24	21.47
				12	0	21.43
				12	7	21.40
				12	13	21.40
				25	0	21.43
	1755	132422		1	0	21.53
				1	12	21.46
				1	24	21.50
				12	0	21.52
				12	7	21.51
				12	13	21.57
				25	0	21.45
	1777.5	132647		1	0	21.46
				1	12	21.46
				1	24	21.44
				12	0	21.46
				12	7	21.48
				12	13	21.48
				25	0	21.45

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	132022	10	1	0	23.36
				1	25	23.28
				1	49	23.27
				25	0	22.37
				25	12	22.39
				25	25	22.36
	1755	132422		50	0	22.44
				1	0	23.44
				1	25	23.47
				1	49	23.58
				25	0	22.54
				25	12	22.69
	1775	132622		25	25	22.60
				50	0	22.56
				1	0	23.62
				1	25	23.43
				1	49	23.40
				25	0	22.65
16QAM	1715	132022	25	12	22.49	
			25	25	22.54	
			50	0	22.62	
			1	0	22.51	
			1	25	22.40	
			1	49	22.35	
	1755	132422	25	0	21.52	
			25	12	21.47	
			25	25	21.46	
			50	0	21.47	
			1	0	22.62	
			1	25	22.69	
	1775	132622	1	49	22.60	
			25	0	21.64	
			25	12	21.58	
			25	25	21.67	
			50	0	21.57	
			1	0	22.70	
			1	25	22.51	
			1	49	22.59	
			25	0	21.66	
			25	12	21.71	
			25	25	21.68	
			50	0	21.60	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
64QAM	1715	132022	10	1	0	21.38	
				1	25	21.45	
				1	49	21.46	
				25	0	21.46	
				25	12	21.39	
				25	25	21.44	
	1755	132422		50	0	21.43	
				1	0	21.54	
				1	25	21.60	
				1	49	21.64	
				25	0	21.54	
				25	12	21.58	
	1775	132622		25	25	21.51	
				50	0	21.54	
				1	0	21.55	
				1	25	21.65	
				1	49	21.53	
				25	0	21.63	
					25	12	21.52
					25	25	21.62
					50	0	21.61

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	132047	15	1	0	23.35
				1	37	23.25
				1	74	23.25
				36	0	22.46
				36	29	22.44
				36	30	22.41
	1755	132422		75	0	22.44
				1	0	23.41
				1	37	23.46
				1	74	23.43
				36	0	22.58
				36	29	22.71
	1772.5	132597		36	30	22.62
				75	0	22.64
				1	0	23.55
				1	37	23.36
				1	74	23.42
				36	0	22.60
16QAM	1717.5	132047	36	29	22.60	
			36	30	22.64	
			75	0	22.68	
			1	0	22.85	
			1	37	22.79	
			1	74	22.74	
	1755	132422	36	0	21.40	
			36	29	21.38	
			36	30	21.35	
			75	0	21.36	
			1	0	22.94	
			1	37	22.92	
	1772.5	132597	1	74	22.95	
			36	0	21.55	
			36	29	21.51	
			36	30	21.61	
			75	0	21.53	
			1	0	23.00	
			1	37	22.80	
			1	74	22.87	
			36	0	21.64	
			36	29	21.57	
			36	30	21.57	
			75	0	21.61	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1717.5	132047	15	1	0	21.36
				1	37	21.38
				1	74	21.39
				36	0	21.36
				36	29	21.38
				36	30	21.41
				75	0	21.35
	1755	132422		1	0	21.57
				1	37	21.50
				1	74	21.65
				36	0	21.56
				36	29	21.56
				36	30	21.52
				75	0	21.52
	1772.5	132597		1	0	21.48
				1	37	21.64
				1	74	21.62
				36	0	21.63
				36	29	21.62
				36	30	21.62
				75	0	21.62

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1720	132072	20	1	0	23.04	
				1	49	23.00	
				1	99	23.02	
				50	0	22.41	
				50	24	22.29	
				50	50	22.37	
	1755	132422		100	0	22.36	
				1	0	23.13	
				1	49	23.21	
				1	99	23.24	
				50	0	22.56	
				50	24	22.52	
	1770	132572		50	50	22.55	
				100	0	22.53	
				1	0	23.27	
				1	49	23.09	
				1	99	23.15	
				50	0	22.55	
	16QAM	1720		132072	50	24	22.55
					50	50	22.57
					100	0	22.51
					1	0	22.70
					1	49	22.63
					1	99	22.63
1755		132422	50	0	21.33		
			50	24	21.29		
			50	50	21.34		
			100	0	21.36		
			1	0	22.76		
			1	49	22.85		
1770		132572	1	99	22.85		
			50	0	21.55		
			50	24	21.60		
			50	50	21.51		
			100	0	21.58		
			1	0	22.91		
				1	49	22.65	
				1	99	22.74	
				50	0	21.58	
				50	24	21.47	
				50	50	21.52	
				100	0	21.55	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1720	132072	20	1	0	21.37
				1	49	21.34
				1	99	21.36
				50	0	21.35
				50	24	21.40
				50	50	21.33
				100	0	21.35
	1755	132422		1	0	21.53
				1	49	21.53
				1	99	21.53
				50	0	21.50
				50	24	21.58
				50	50	21.53
				100	0	21.54
	1770	132572		1	0	21.57
				1	49	21.53
				1	99	21.62
				50	0	21.56
				50	24	21.54
				50	50	21.59
				100	0	21.55

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	1.094	Fig.2	1.082	Fig.3
	1755	132422		6	0	1.082	Fig.4	1.088	Fig.5	1.082	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	2.670	Fig.14	2.683	Fig.15
	1778.5	132657		15	0	2.683	Fig.16	2.683	Fig.17	2.670	Fig.18
	1712.5	131997	5	25	0	4.472	Fig.19	4.493	Fig.20	4.493	Fig.21
	1755	132422		25	0	4.472	Fig.22	4.493	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	8.987	Fig.32	8.944	Fig.33
	1775	132622		50	0	8.944	Fig.34	8.944	Fig.35	8.944	Fig.36
	1717.5	132047	15	75	0	13.415	Fig.37	13.480	Fig.38	13.415	Fig.39
	1755	132422		75	0	13.415	Fig.40	13.415	Fig.41	13.415	Fig.42
	1772.5	132597		75	0	13.415	Fig.43	13.415	Fig.44	13.480	Fig.45
	1720	132072	20	100	0	17.887	Fig.46	17.887	Fig.47	17.887	Fig.48
	1755	132422		100	0	17.887	Fig.49	17.974	Fig.50	17.887	Fig.51
	1770	132572		100	0	17.887	Fig.52	17.887	Fig.53	17.887	Fig.54

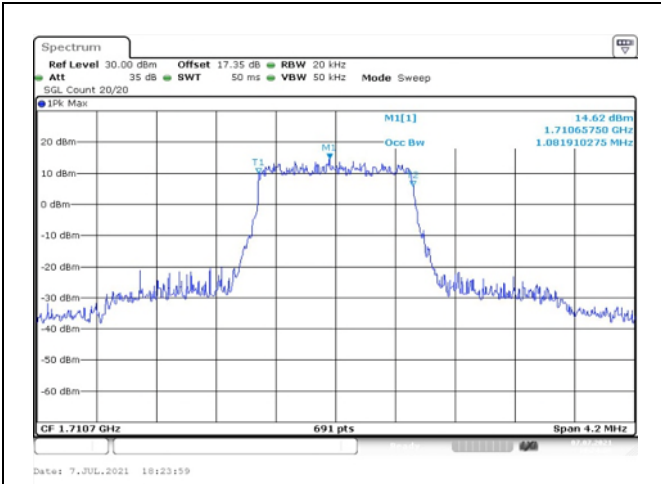


Fig.1

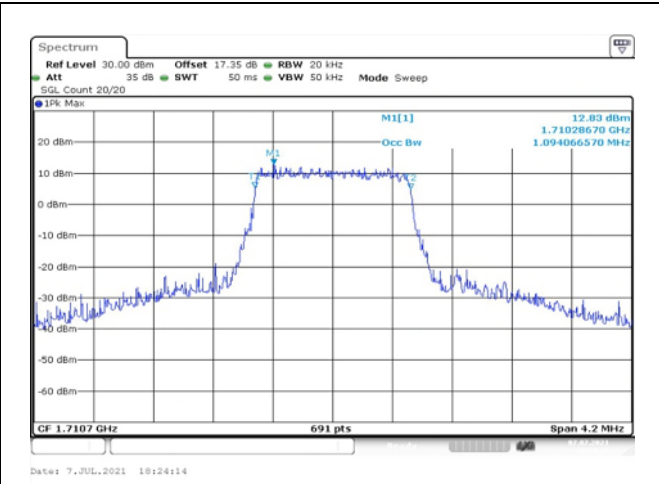


Fig.2

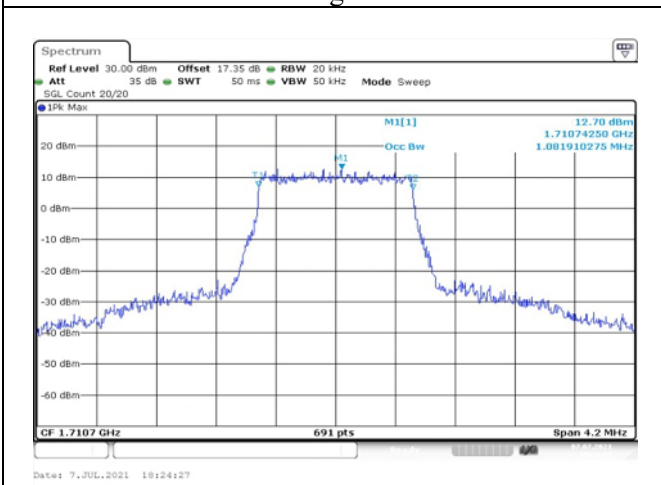


Fig.3

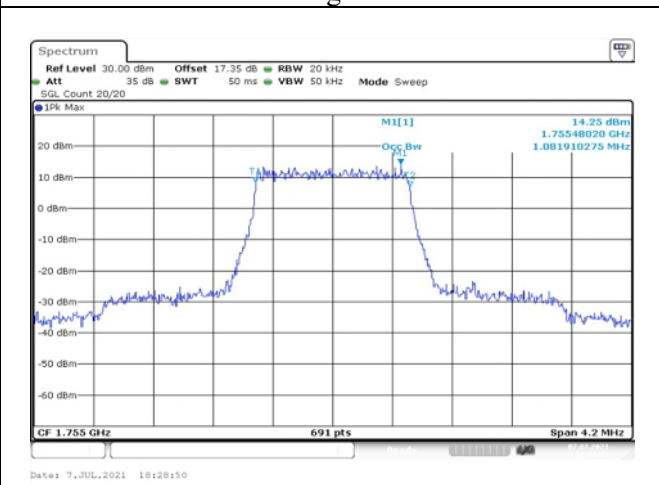


Fig.4

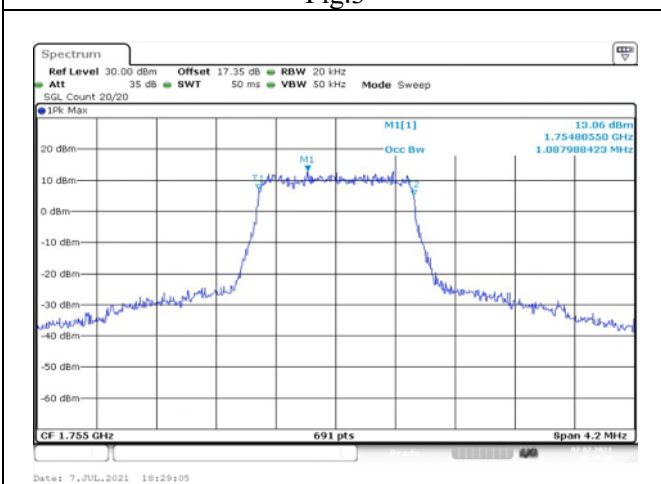


Fig.5

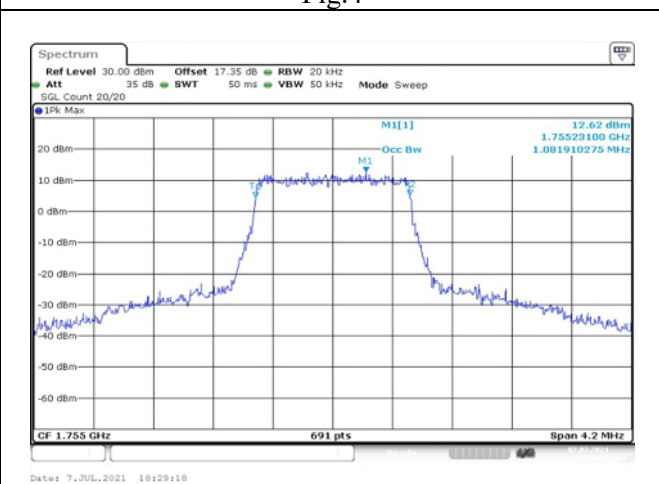


Fig.6

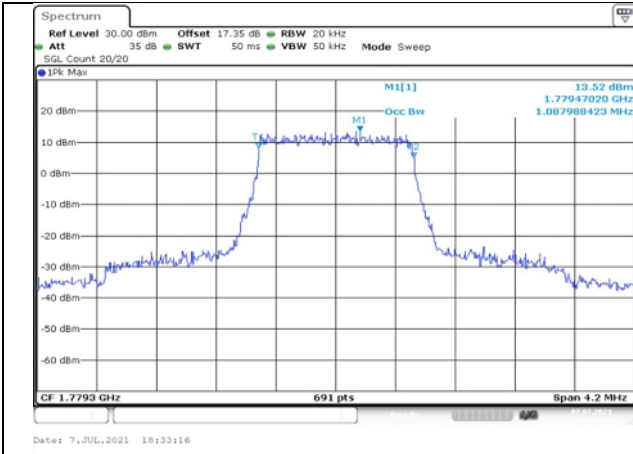


Fig.7

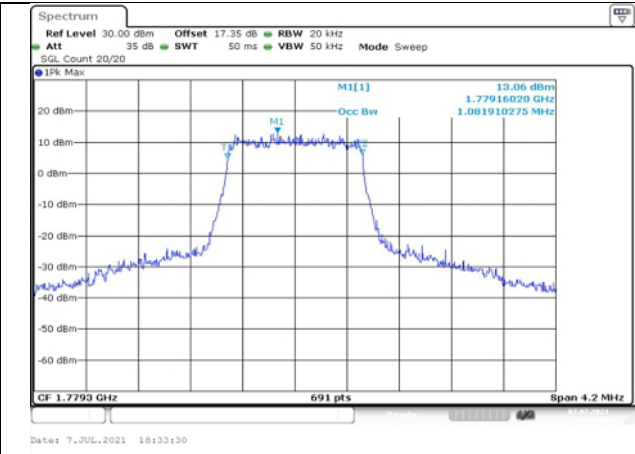


Fig.8

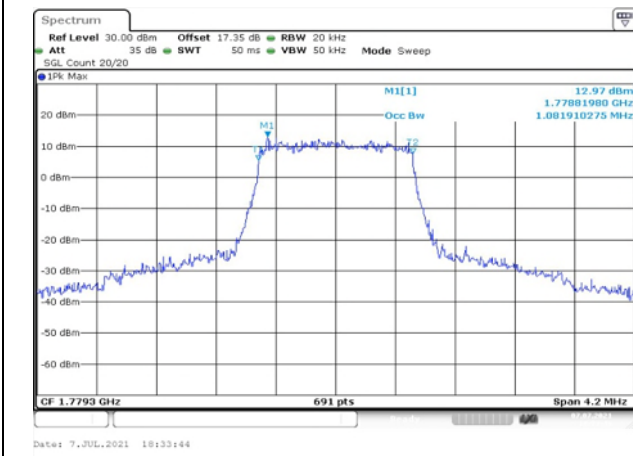


Fig.9

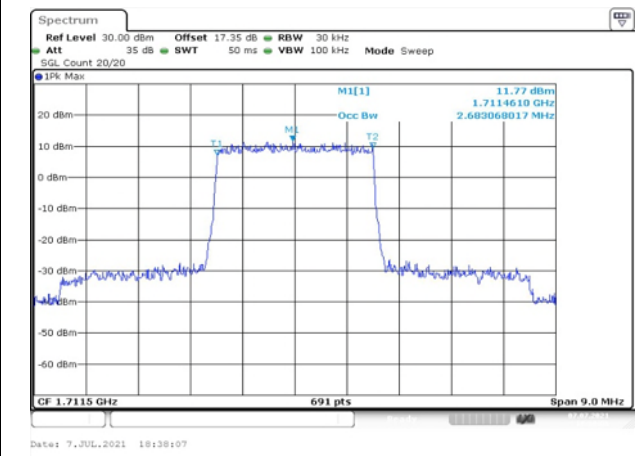


Fig.10

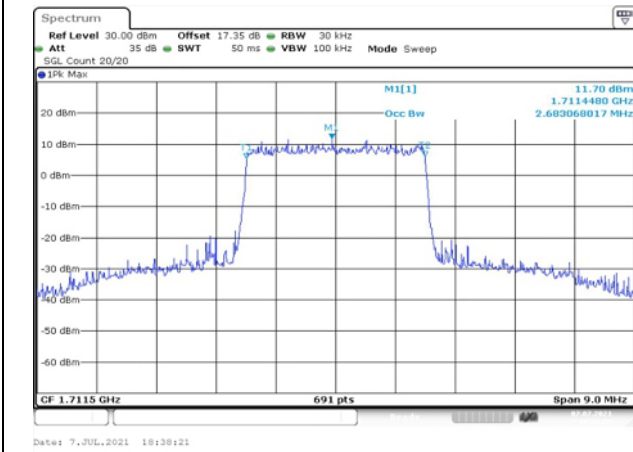


Fig.11

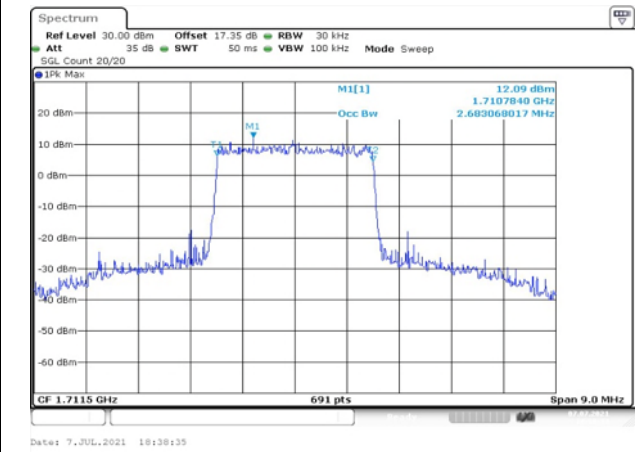


Fig.12

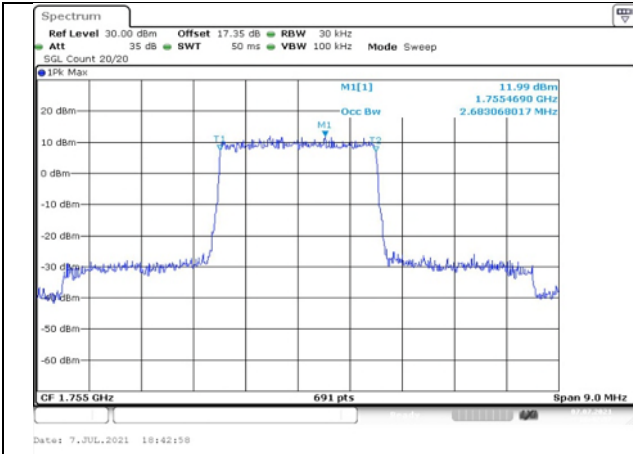


Fig.13

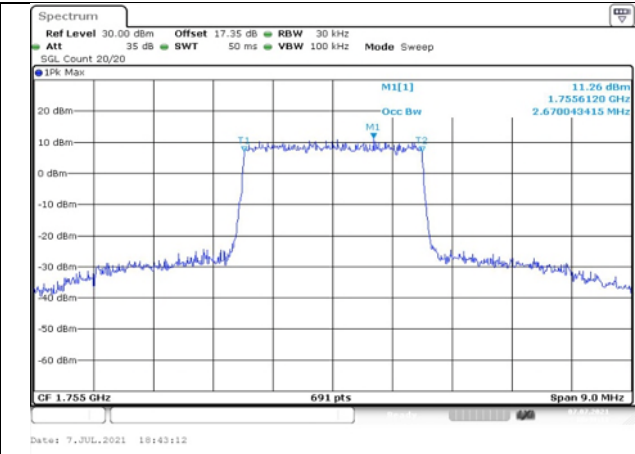


Fig.14

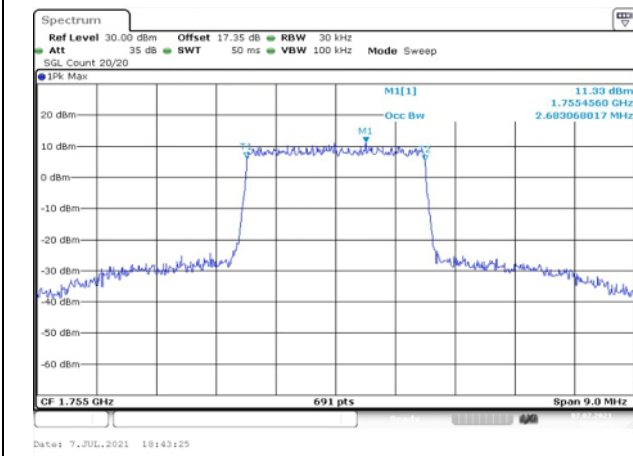


Fig.15

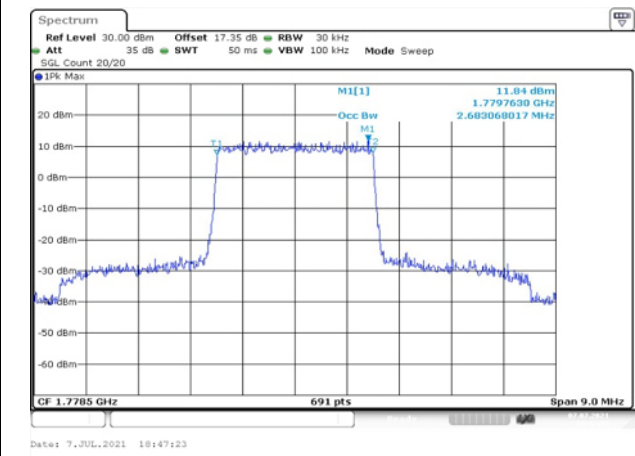


Fig.16

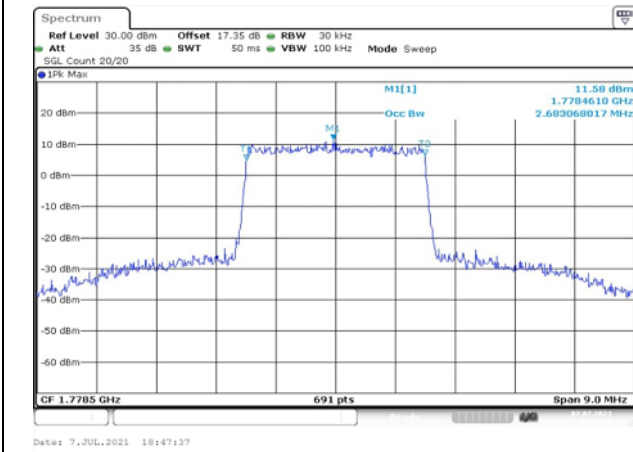


Fig.17

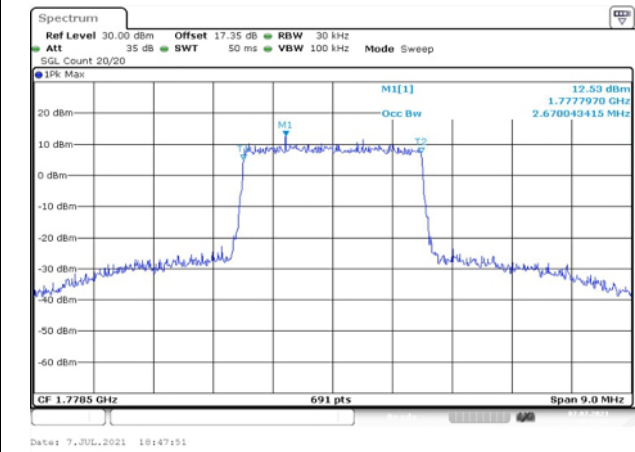


Fig.18

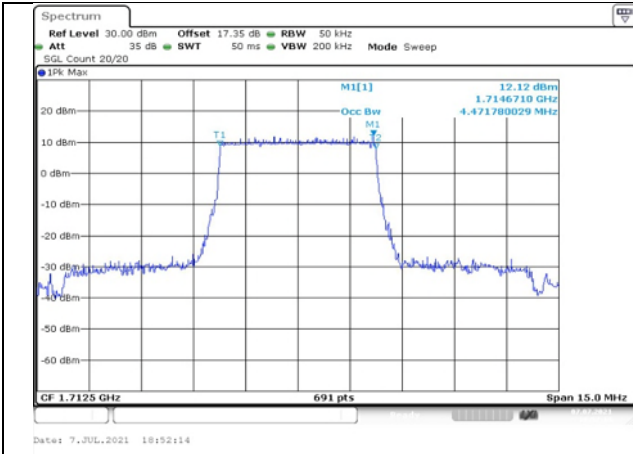


Fig.19

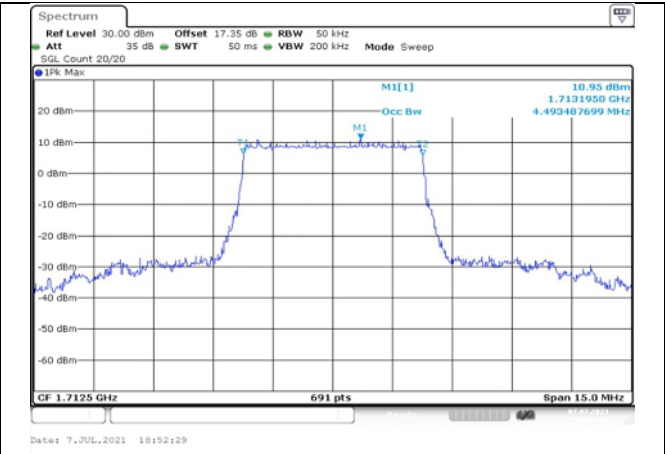


Fig.20

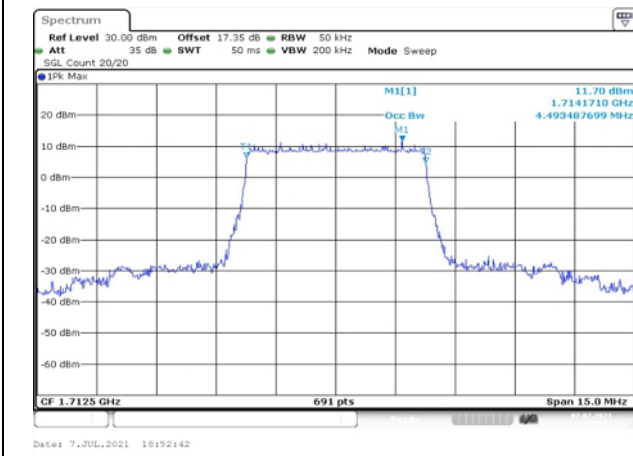


Fig.21

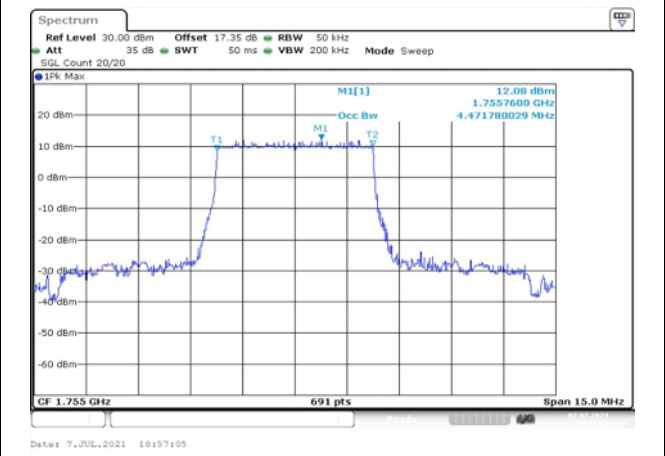


Fig.22

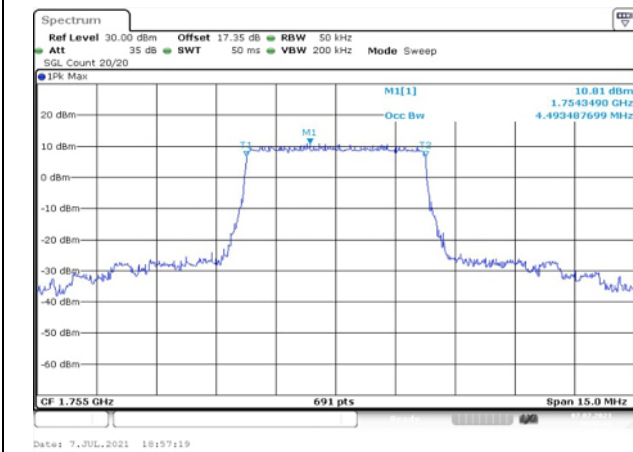


Fig.23

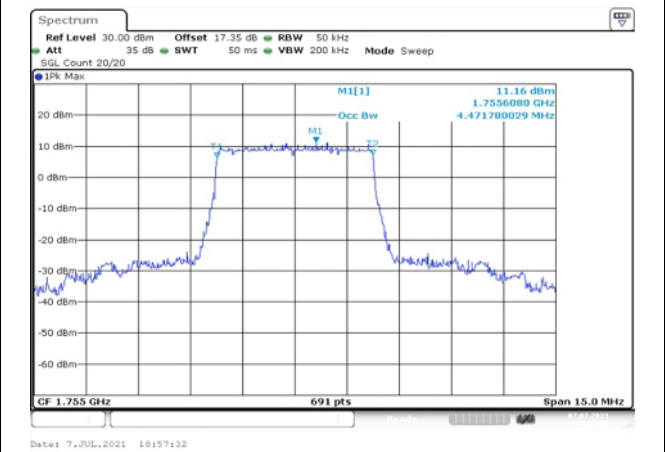
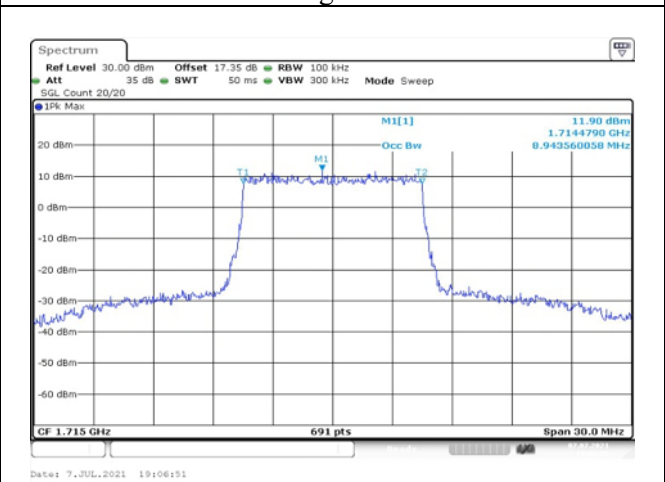
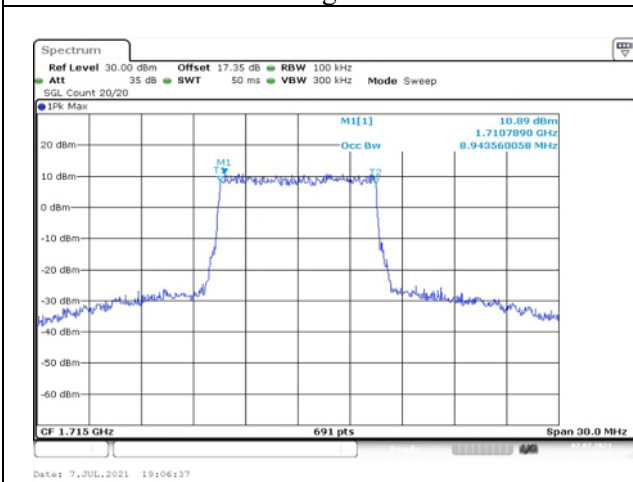
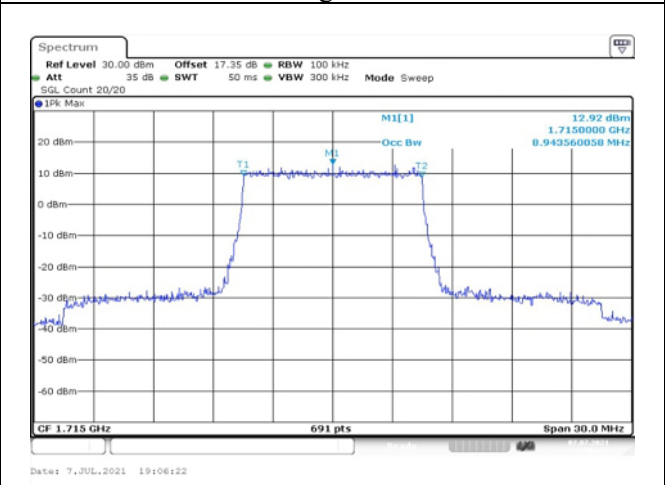
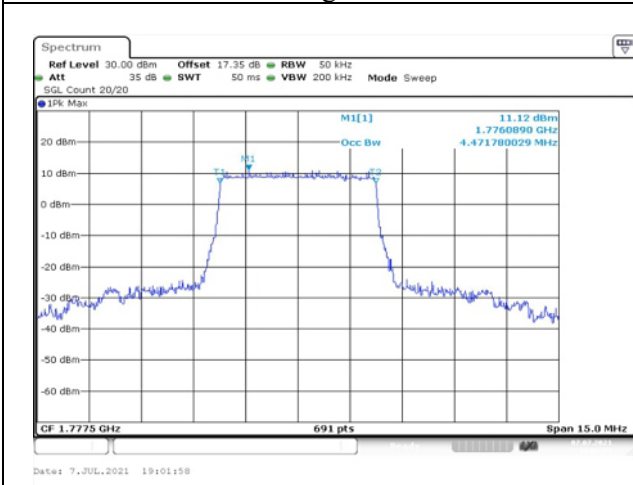
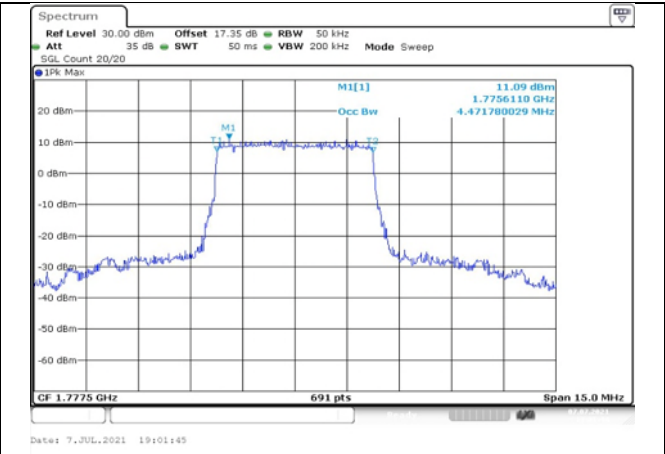
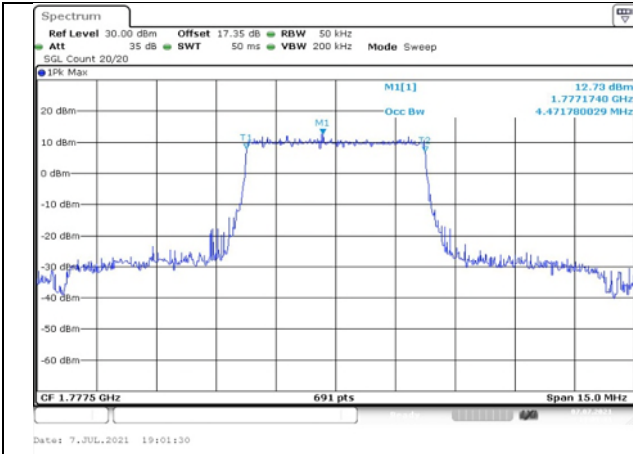


Fig.24



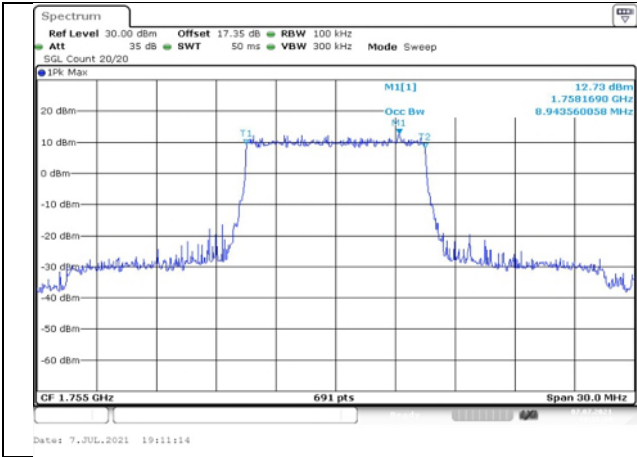


Fig.31

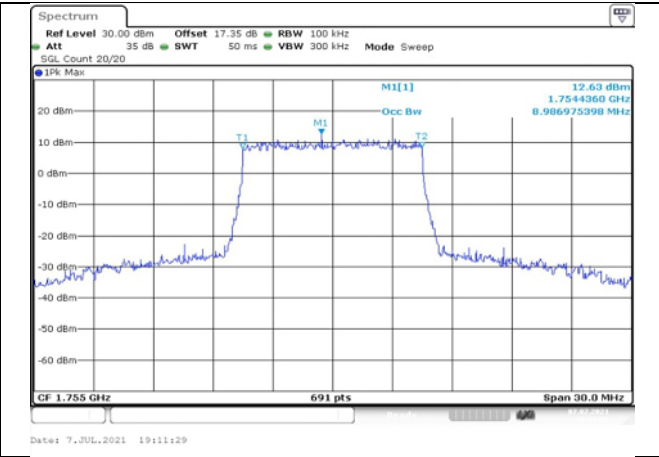


Fig.32

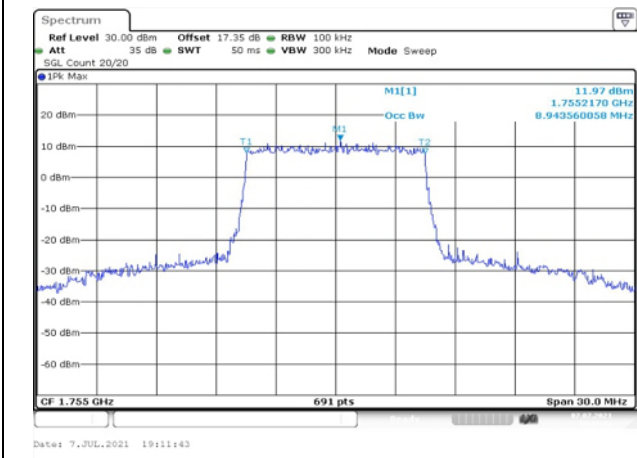


Fig.33

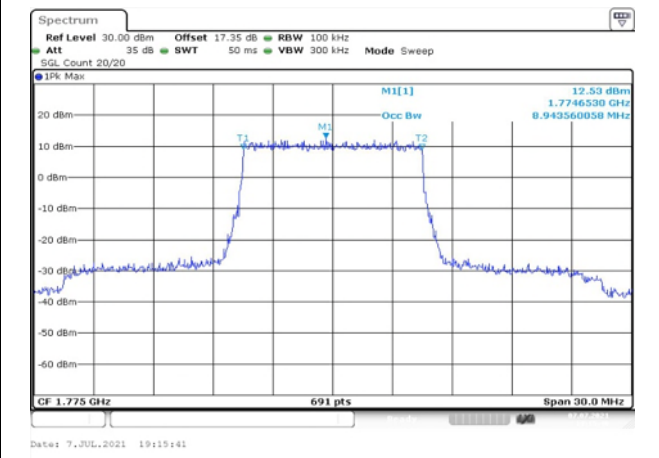


Fig.34

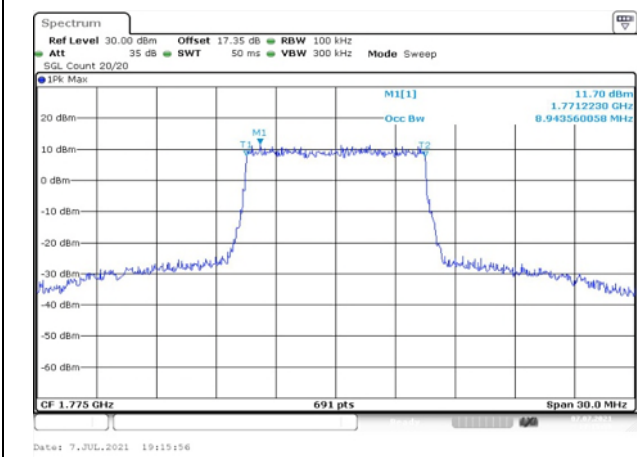


Fig.35

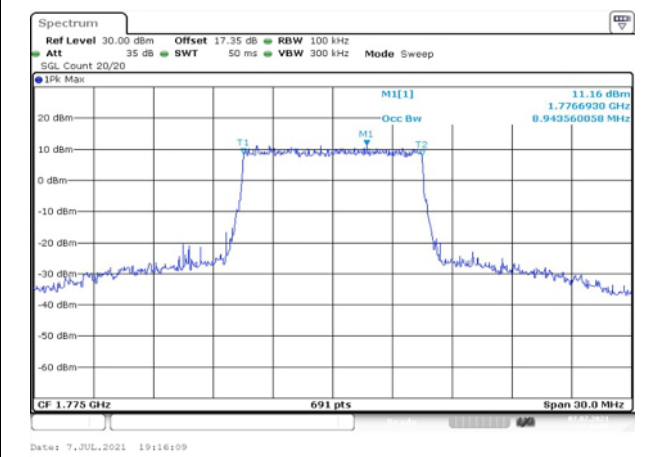


Fig.36

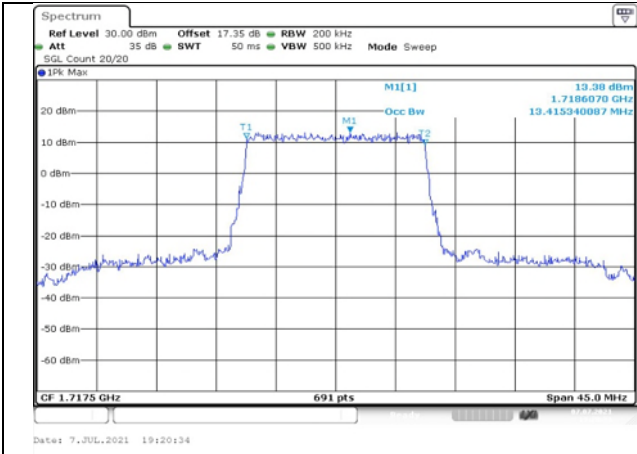


Fig.37

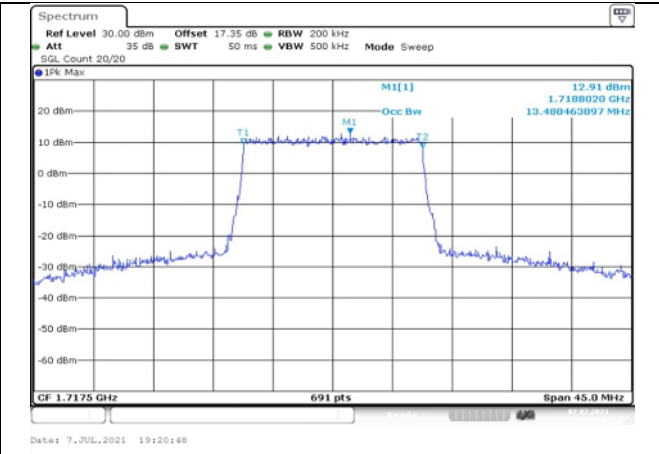


Fig.38

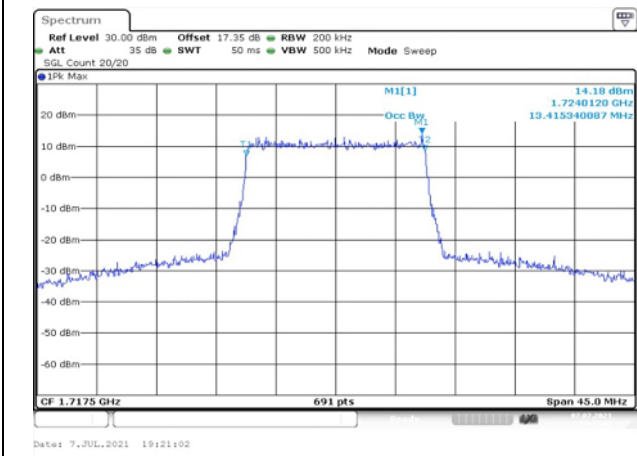


Fig.39

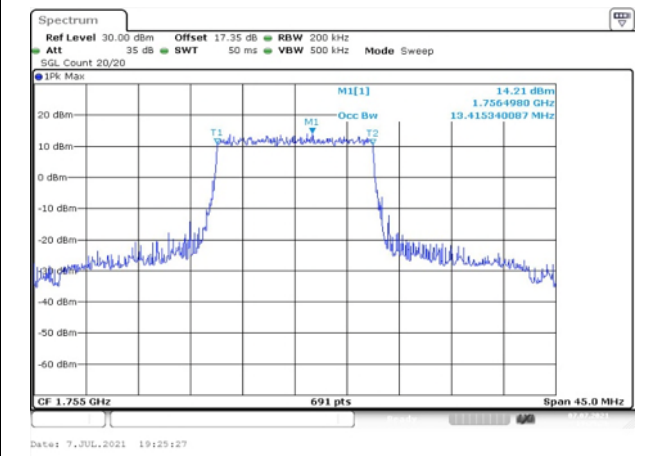


Fig.40

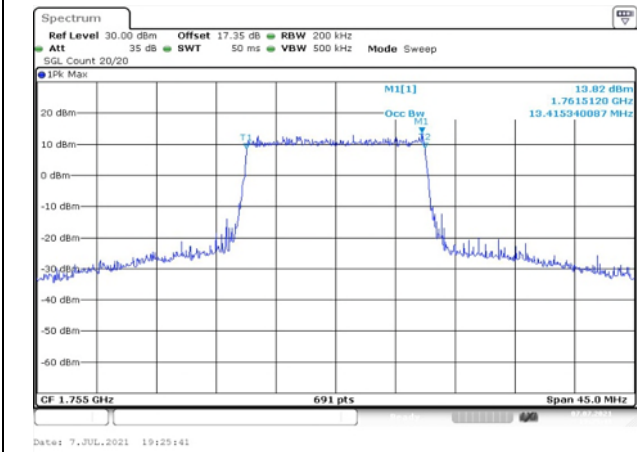


Fig.41

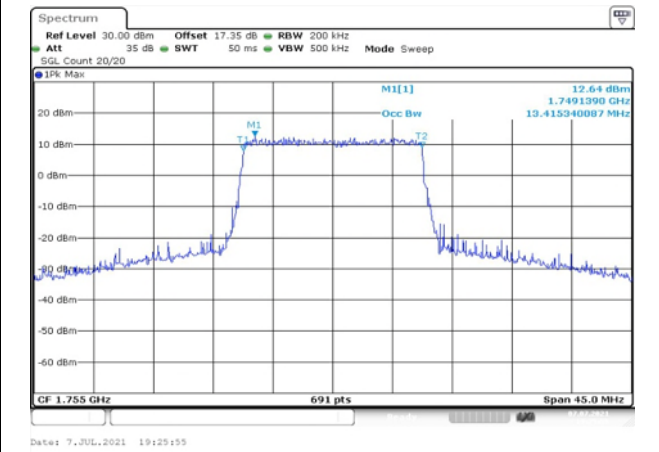


Fig.42

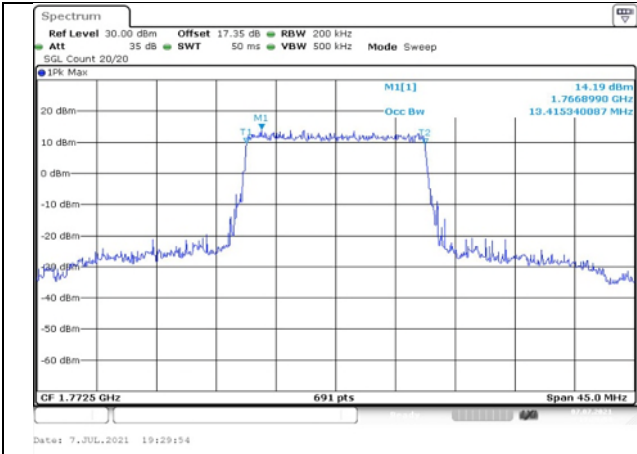


Fig.43

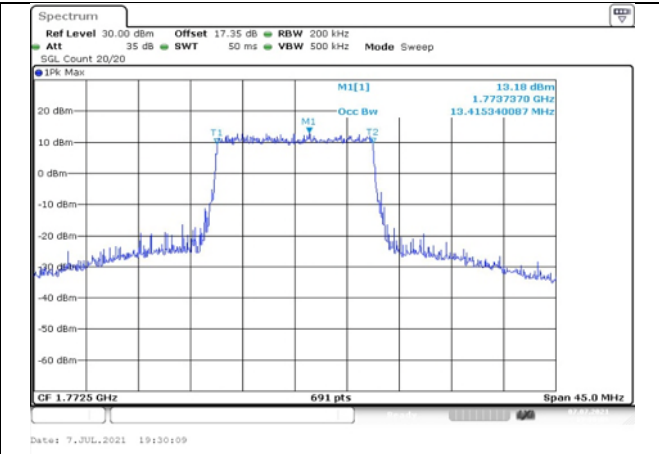


Fig.44

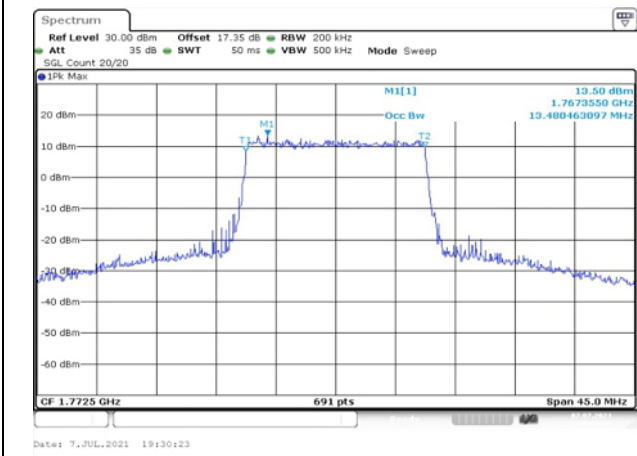


Fig.45

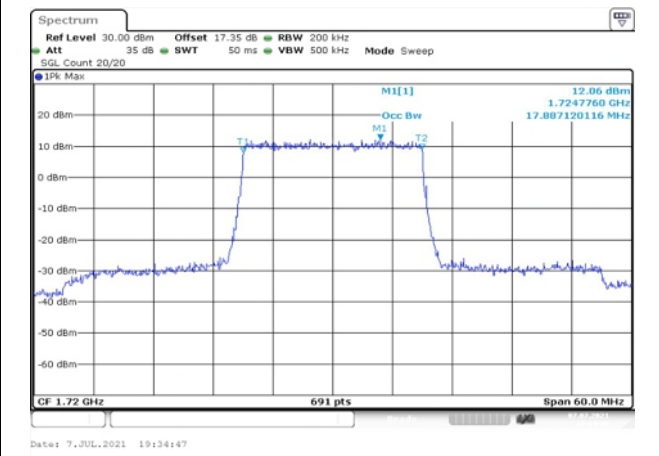


Fig.46

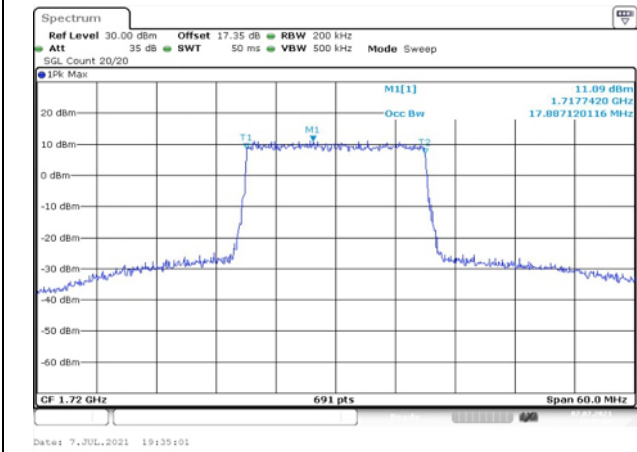


Fig.47

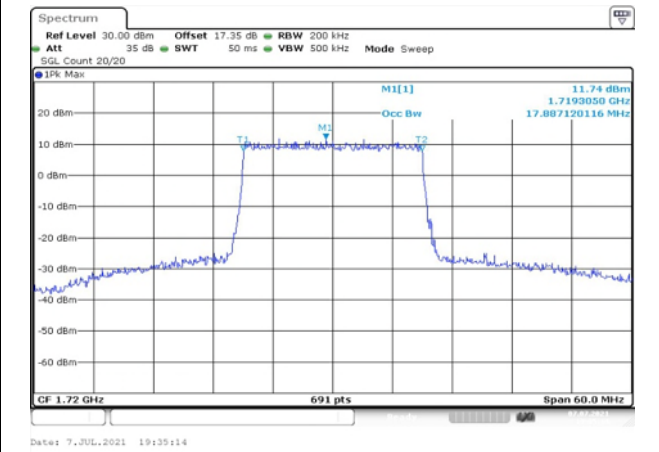


Fig.48

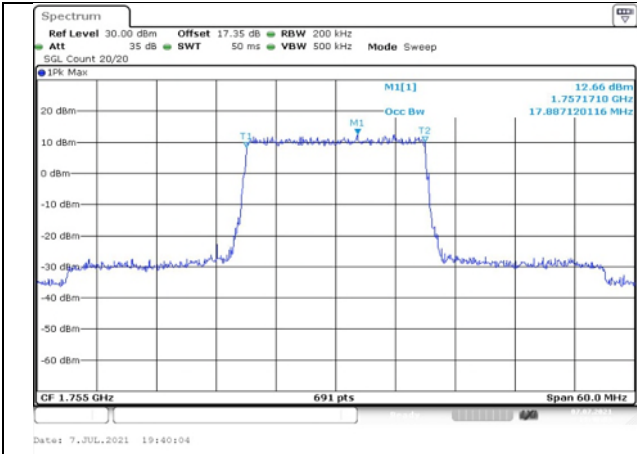


Fig.49

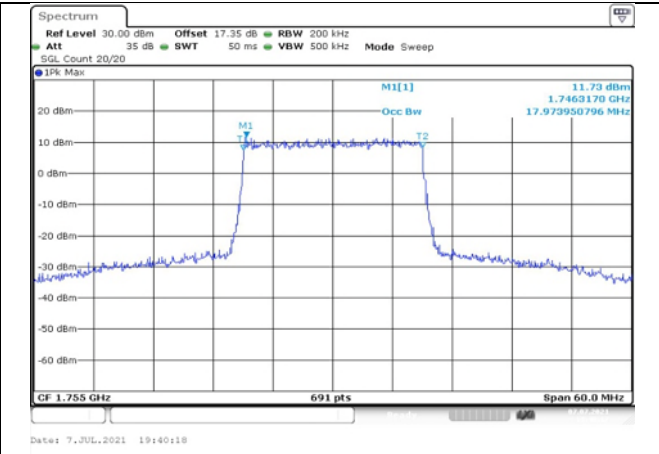


Fig.50

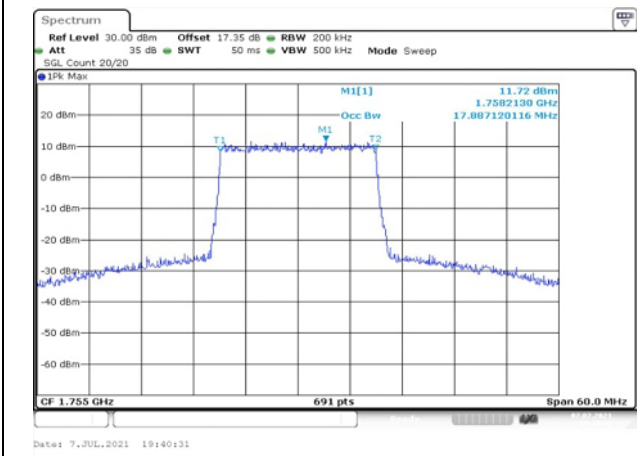


Fig.51

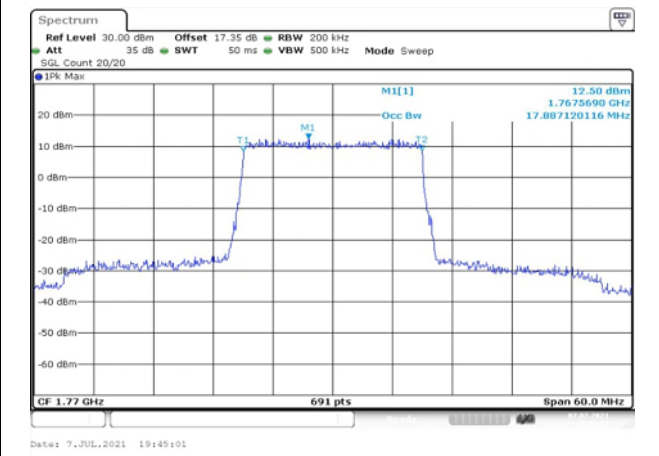


Fig.52

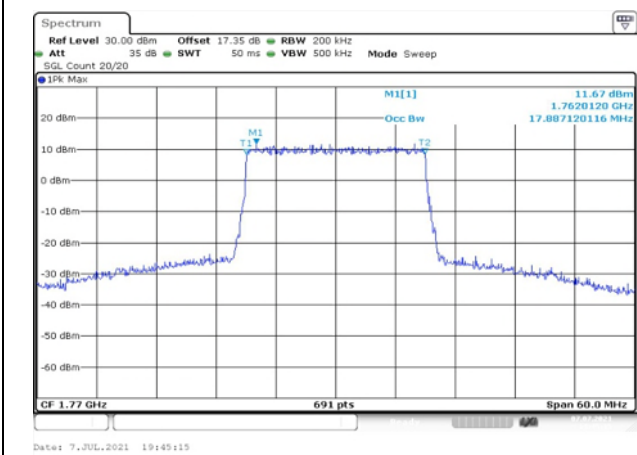


Fig.53

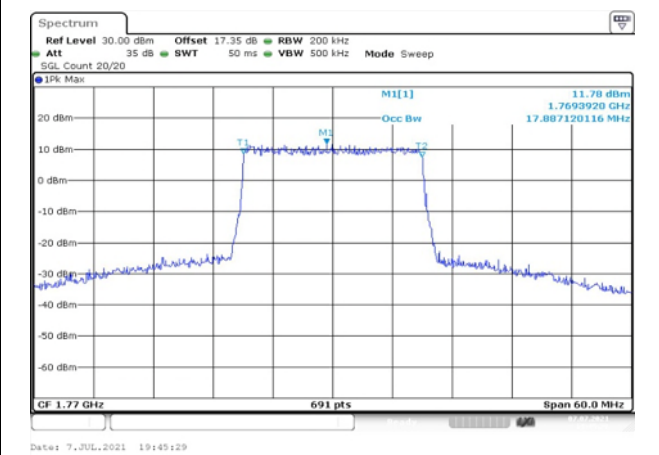


Fig.54

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	1.252	Fig.1	1.246	Fig.2	1.246	Fig.3
	1755	132422		6	0	1.258	Fig.4	1.246	Fig.5	1.240	Fig.6
	1779.3	132665		6	0	1.252	Fig.7	1.252	Fig.8	1.270	Fig.9
	1711.5	131987	3	15	0	2.865	Fig.10	2.839	Fig.11	2.865	Fig.12
	1755	132422		15	0	2.865	Fig.13	2.852	Fig.14	2.852	Fig.15
	1778.5	132657		15	0	2.852	Fig.16	2.852	Fig.17	2.865	Fig.18
	1712.5	131997	5	25	0	4.993	Fig.19	5.036	Fig.20	4.971	Fig.21
	1755	132422		25	0	4.971	Fig.22	4.971	Fig.23	4.993	Fig.24
	1777.5	132647		25	0	5.014	Fig.25	4.993	Fig.26	5.014	Fig.27
	1715	132022	10	50	0	9.768	Fig.28	9.725	Fig.29	9.768	Fig.30
	1755	132422		50	0	9.725	Fig.31	9.682	Fig.32	9.768	Fig.33
	1775	132622		50	0	9.638	Fig.34	9.812	Fig.35	9.768	Fig.36
	1717.5	132047	15	75	0	14.848	Fig.37	14.783	Fig.38	14.653	Fig.39
	1755	132422		75	0	14.848	Fig.40	14.718	Fig.41	14.718	Fig.42
	1772.5	132597		75	0	14.913	Fig.43	14.848	Fig.44	14.718	Fig.45
	1720	132072	20	100	0	19.624	Fig.46	19.450	Fig.47	19.190	Fig.48
	1755	132422		100	0	19.363	Fig.49	19.363	Fig.50	19.190	Fig.51
	1770	132572		100	0	19.537	Fig.52	19.276	Fig.53	19.363	Fig.54

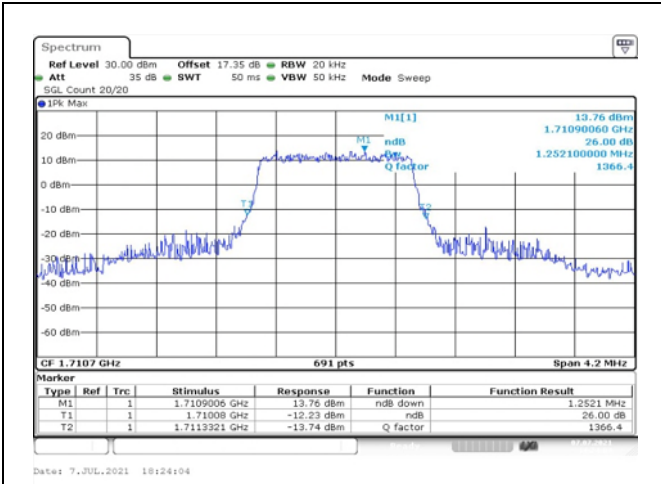


Fig.1

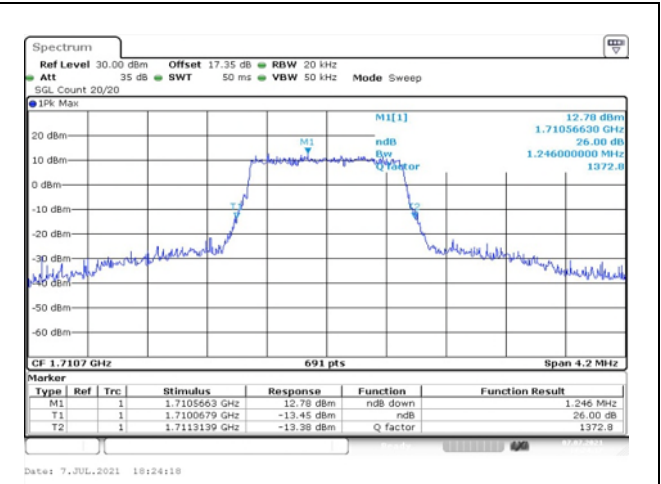


Fig.2

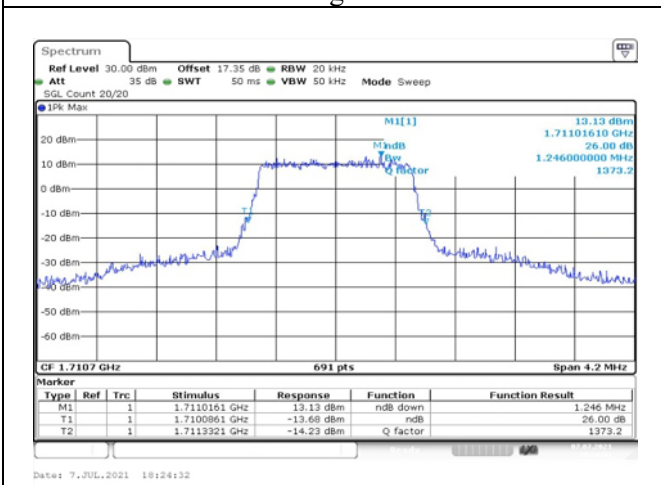


Fig.3

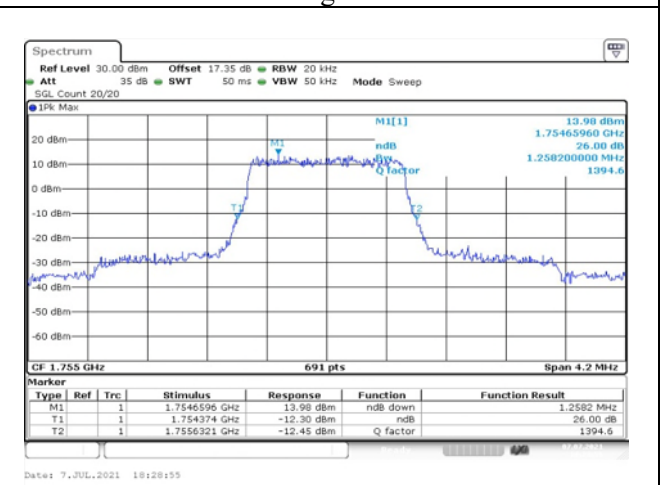


Fig.4

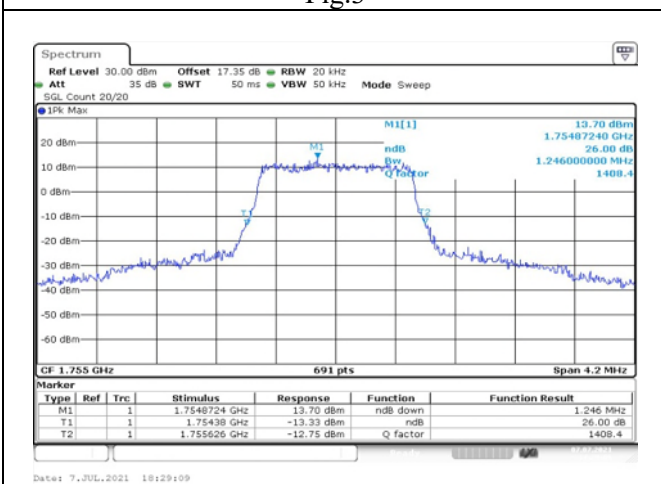


Fig.5

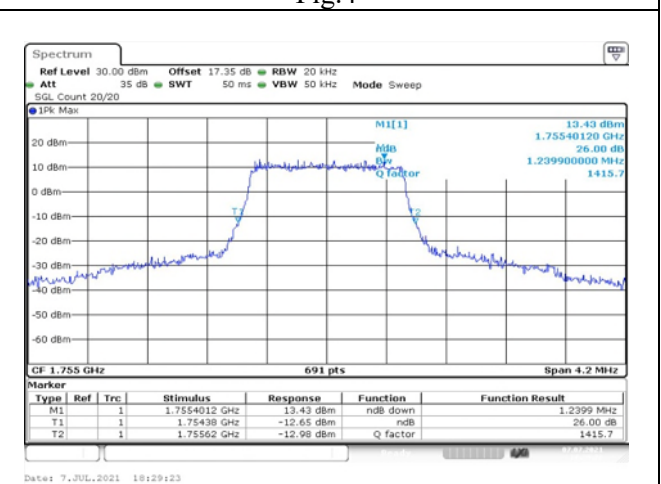


Fig.6

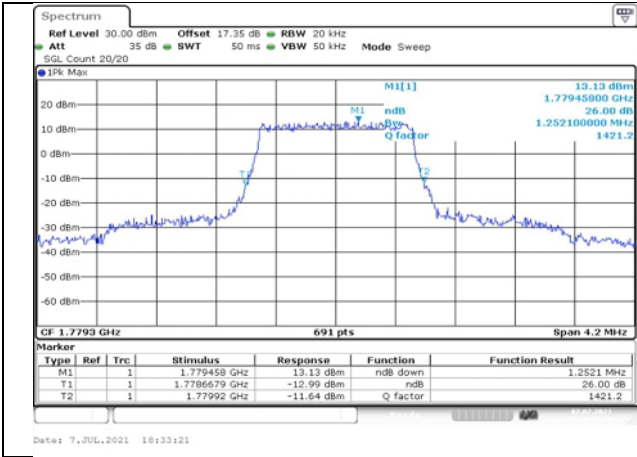


Fig.7

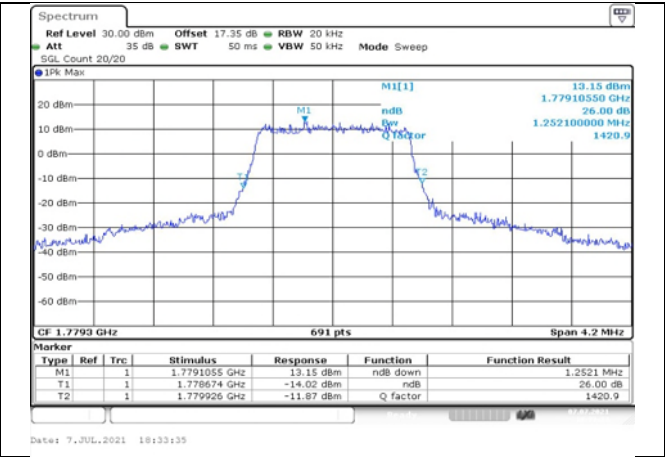


Fig.8

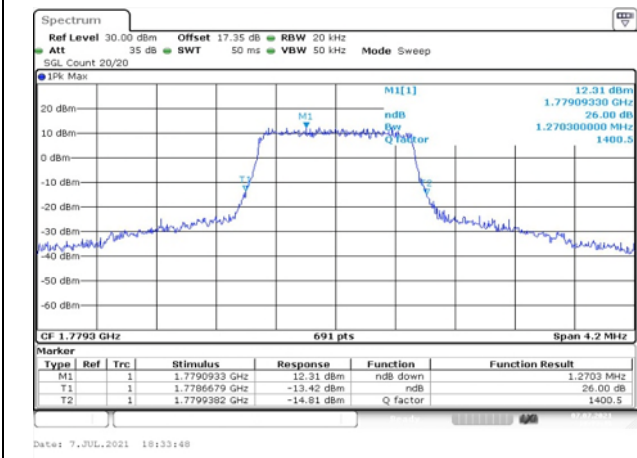


Fig.9

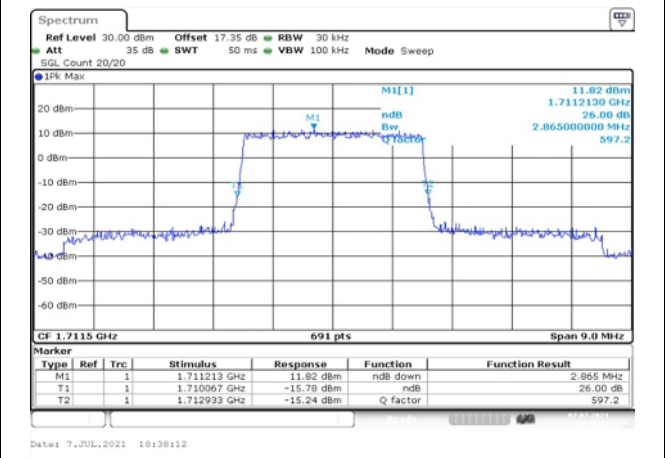


Fig.10

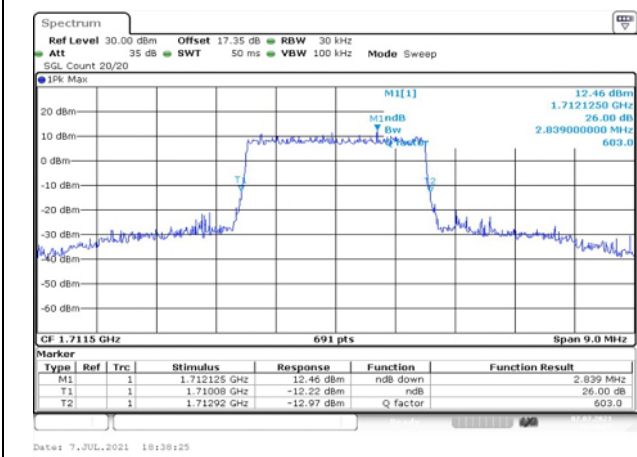


Fig.11

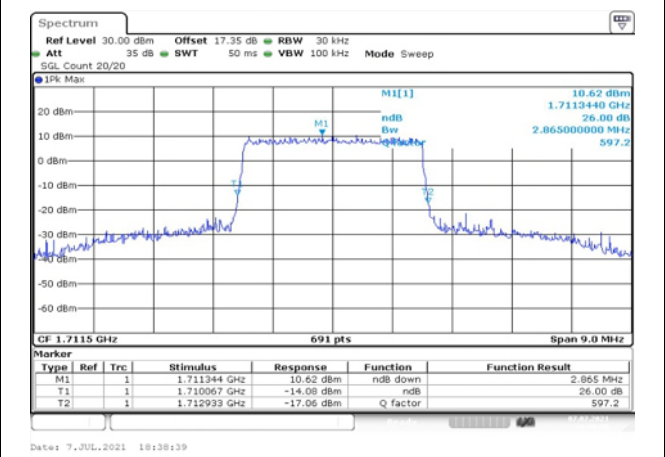


Fig.12

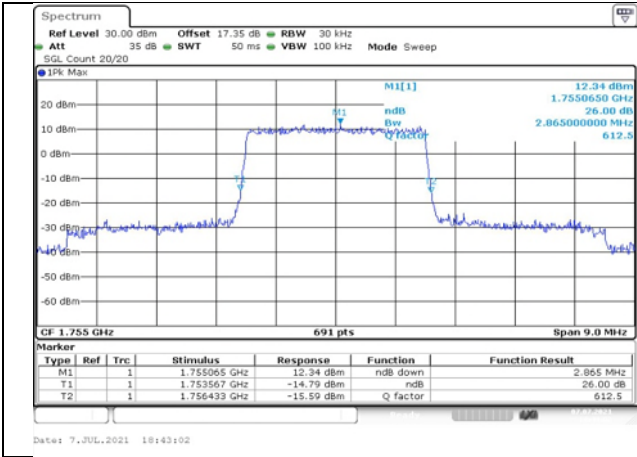


Fig.13

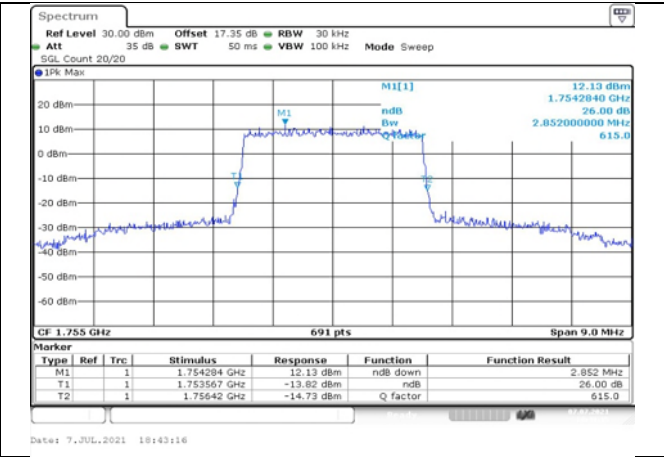


Fig.14

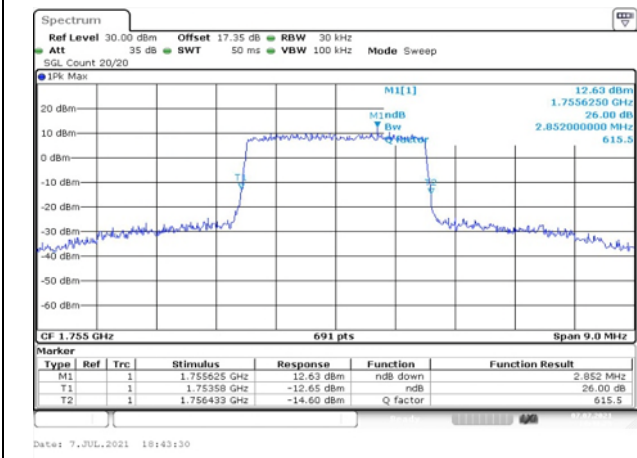


Fig.15

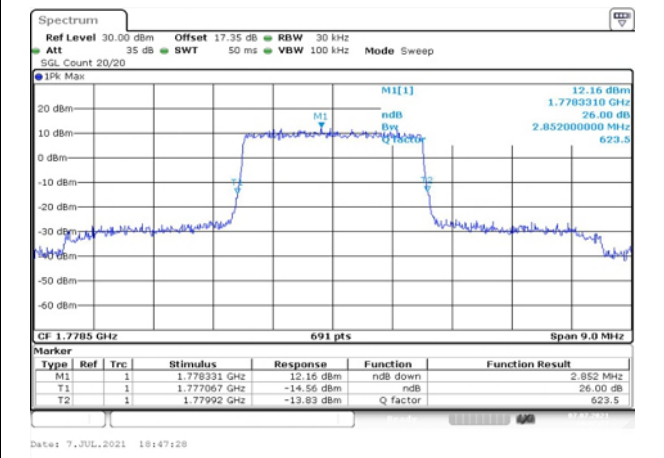


Fig.16

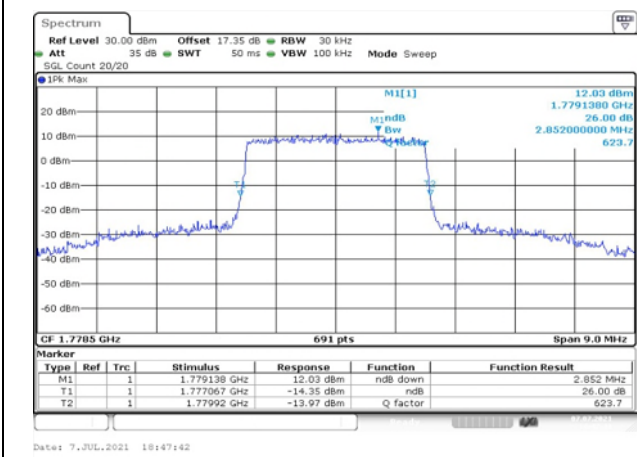


Fig.17

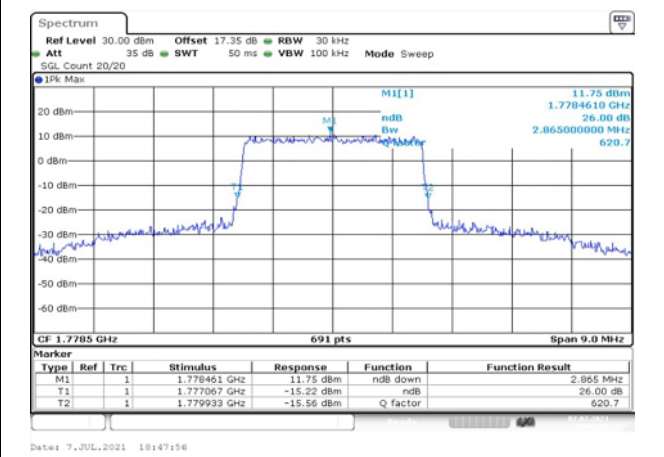


Fig.18

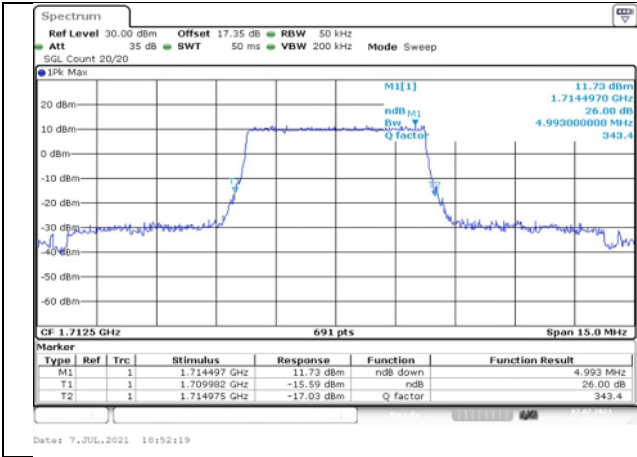


Fig.19

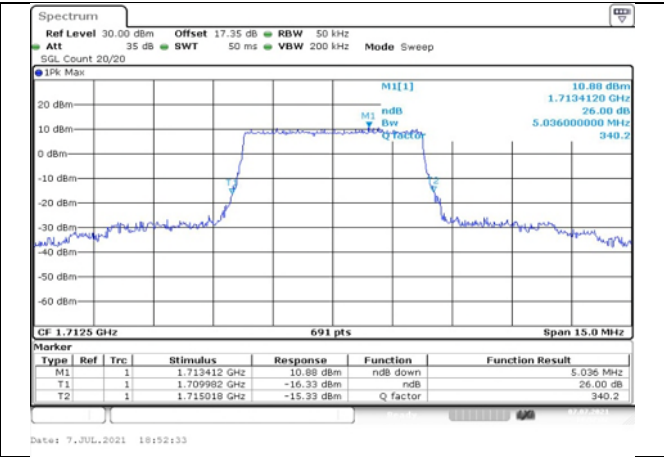


Fig.20

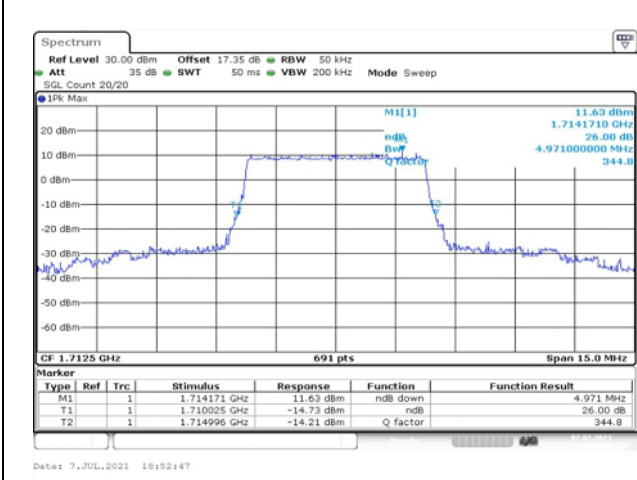


Fig.21

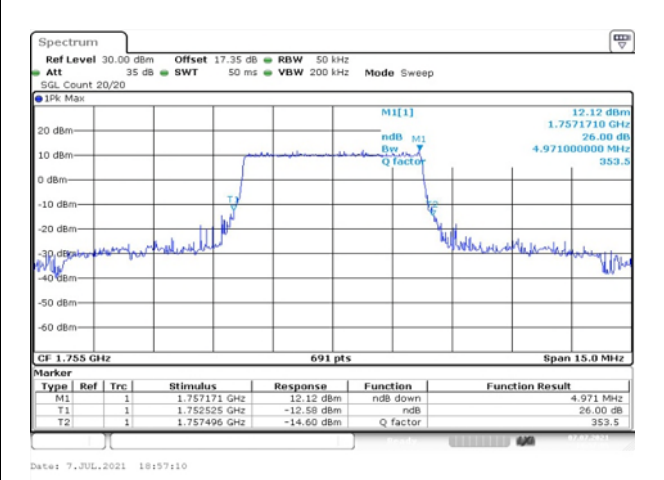


Fig.22

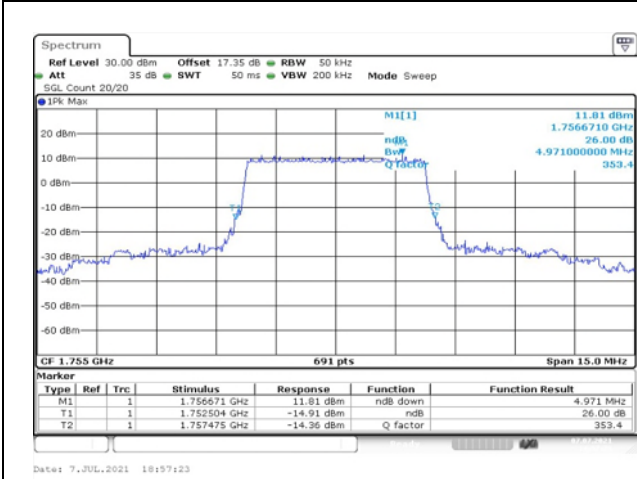


Fig.23

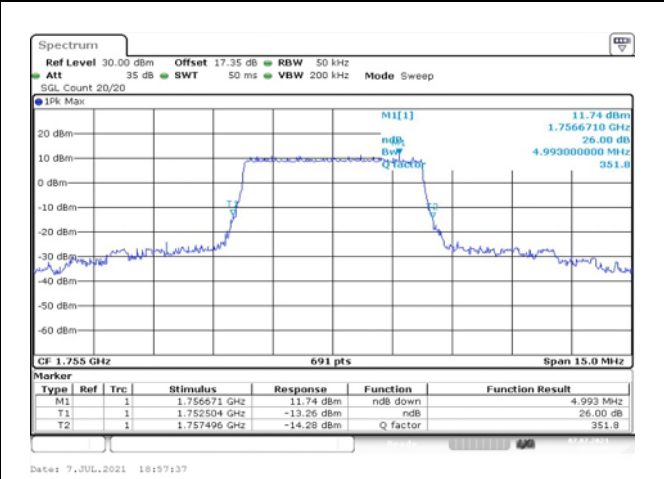


Fig.24

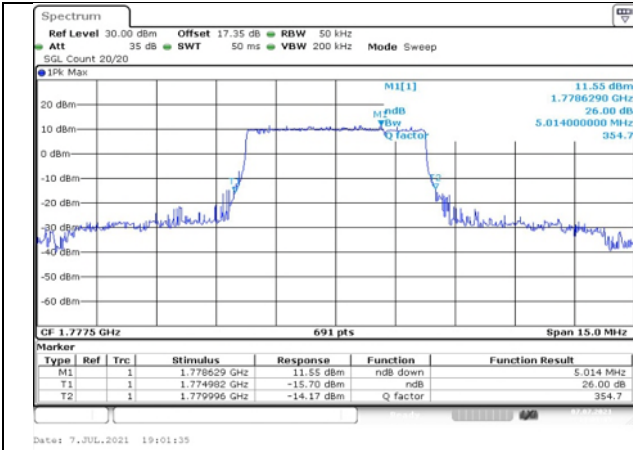


Fig.25

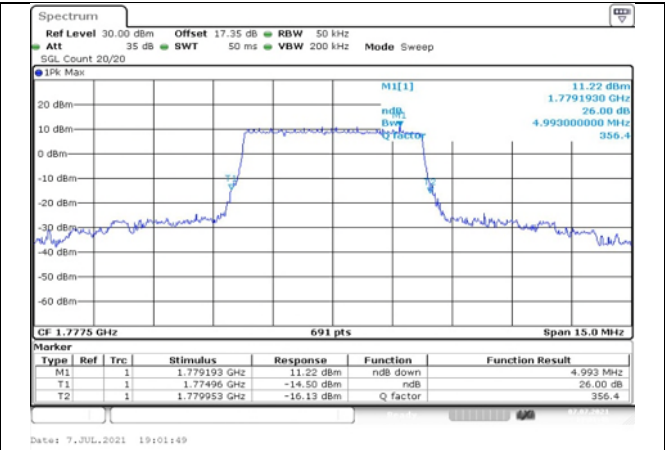


Fig.26

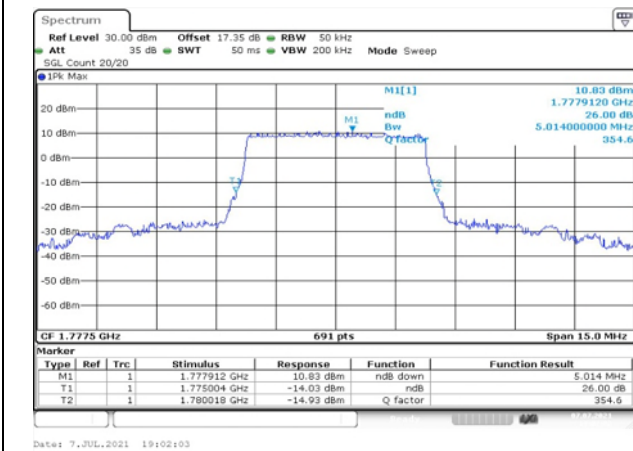


Fig.27

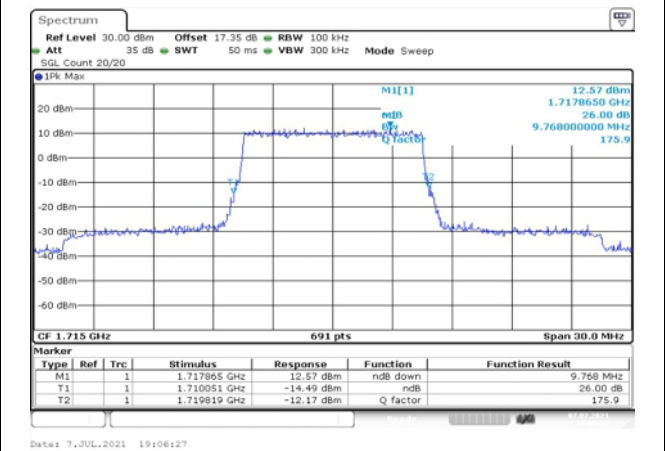


Fig.28

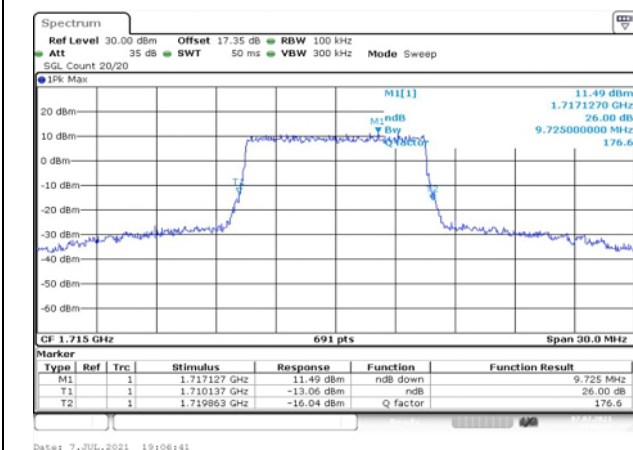


Fig.29

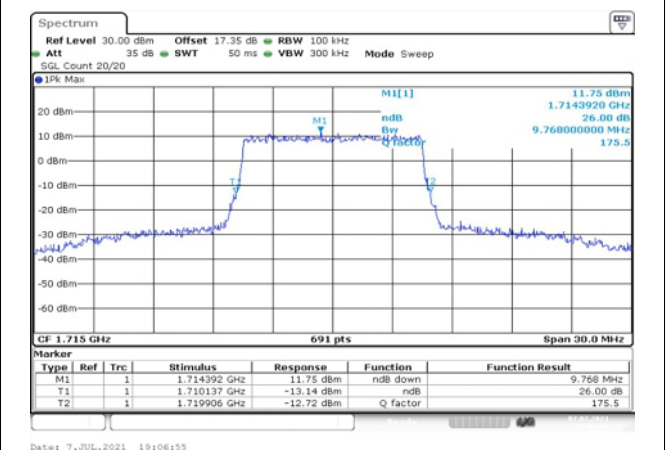


Fig.30