

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	23.49
				1	3	23.56
				1	5	23.54
				3	0	23.29
				3	1	23.39
				3	3	23.38
	6	0		22.30		
	1	0		23.41		
	1	3		23.50		
	1	5		23.57		
	3	0		23.58		
	3	1		23.75		
	3	3		23.75		
	6	0		22.61		
	1	0		23.41		
	1	3		23.38		
	1	5		23.43		
	16QAM	1710.7		131979	3	0
3			1		23.69	
3			3		23.68	
6			0		22.60	
1			0		22.53	
1			3		22.48	
1		5	22.48			
3		0	22.35			
3		1	22.51			
3		3	22.51			
6		0	21.18			
1		0	22.73			
1		3	22.78			
1		5	22.79			
3		0	22.61			
3		1	22.66			
3		3	22.65			
6		0	21.54			
1779.3	132665	1	0	22.40		
		1	3	22.47		
		1	5	22.47		
		3	0	21.99		
		3	1	22.01		
		3	3	22.01		
		6	0	21.29		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1710.7	131979	1.4	1	0	21.41
				1	3	21.41
				1	5	21.41
				3	0	21.60
				3	1	21.49
				3	3	21.48
				6	0	21.48
	1755	132422		1	0	21.54
				1	3	21.53
				1	5	21.54
				3	0	21.73
				3	1	21.53
				3	3	21.41
				6	0	21.55
	1779.3	132665		1	0	21.29
				1	3	21.29
				1	5	21.29
				3	0	21.29
				3	1	21.29
				3	3	21.29
				6	0	21.29

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1711.5	131987	3	1	0	23.25
				1	8	23.13
				1	14	23.22
				8	0	22.24
				8	4	22.32
				8	7	22.32
	15	0		22.27		
	1755	132422		1	0	23.56
				1	8	23.62
				1	14	23.69
				8	0	22.62
				8	4	22.75
				8	7	22.75
	1778.5	132657		15	0	22.57
				1	0	23.63
1			8	23.62		
1			14	23.70		
8			0	22.62		
8			4	22.60		
16QAM	1711.5	131987	8	7	22.60	
			15	0	22.57	
			1	0	22.47	
			1	8	22.30	
			1	14	22.29	
			8	0	21.23	
	1755	132422	8	4	21.29	
			8	7	21.29	
			15	0	21.38	
			1	0	22.80	
			1	8	22.89	
			1	14	22.88	
	1778.5	132657	8	0	21.49	
			8	4	21.66	
			8	7	21.66	
15			0	21.71		
1			0	22.80		
1			8	22.84		
			1	14	22.83	
			8	0	21.50	
			8	4	21.57	
			8	7	21.57	
			15	0	21.64	

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	21.40
				1	14	21.18
				8	0	21.50
				8	4	21.28
				8	7	21.18
				15	0	21.28
	1755	132422		1	0	21.71
				1	8	21.63
				1	14	21.72
				8	0	21.60
				8	4	21.64
				8	7	21.72
				15	0	21.71
	1778.5	132657		1	0	21.63
				1	8	21.63
				1	14	21.63
				8	0	21.63
				8	4	21.63
				8	7	21.63
				15	0	21.63

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1712.5	131997	5	1	0	22.99
				1	12	22.83
				1	24	22.92
				12	0	22.22
				12	7	22.12
				12	13	22.13
				25	0	22.18
	1755	132422		1	0	23.34
				1	12	23.57
				1	24	23.55
				12	0	22.47
				12	7	22.68
				12	13	22.69
				25	0	22.71
	1777.5	132647		1	0	23.46
				1	12	23.48
				1	24	23.46
				12	0	22.62
				12	7	22.61
				12	13	22.53
				25	0	22.57
16QAM	1712.5	131997	1	0	21.93	
			1	12	21.62	
			1	24	21.61	
			12	0	21.02	
			12	7	21.05	
			12	13	21.05	
			25	0	21.26	
	1755	132422	1	0	22.09	
			1	12	22.28	
			1	24	22.28	
			12	0	21.44	
			12	7	21.38	
			12	13	21.38	
			25	0	21.47	
	1777.5	132647	1	0	22.66	
			1	12	22.63	
			1	24	22.63	
			12	0	21.49	
			12	7	21.43	
			12	13	21.43	
			25	0	21.44	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1712.5	131997	5	1	0	21.26
				1	12	21.27
				1	24	21.28
				12	0	21.28
				12	7	21.28
				12	13	21.29
				25	0	21.28
	1755	132422		1	0	21.47
				1	12	21.47
				1	24	21.56
				12	0	21.56
				12	7	21.47
				12	13	21.48
				25	0	21.57
	1777.5	132647		1	0	21.44
				1	12	21.44
				1	24	21.53
				12	0	21.35
				12	7	21.44
				12	13	21.35
				25	0	21.44

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1715	132022	10	1	0	23.65
				1	25	22.98
				1	49	22.97
				25	0	22.29
				25	12	22.11
				25	25	22.12
	1755	132422		50	0	22.10
				1	0	23.38
				1	25	23.60
				1	49	23.59
				25	0	22.48
				25	12	22.73
	1775	132622		25	25	22.73
				50	0	22.55
				1	0	23.72
				1	25	23.63
				1	49	23.62
				25	0	22.62
16QAM	1715	132022	25	12	22.57	
			25	25	22.57	
			50	0	22.56	
			1	0	22.76	
			1	25	22.02	
			1	49	21.92	
	1755	132422	25	0	21.37	
			25	12	21.18	
			25	25	21.18	
			50	0	21.10	
			1	0	22.20	
			1	25	22.54	
	1775	132622	1	49	22.54	
			25	0	21.67	
			25	12	21.71	
			25	25	21.71	
			50	0	21.47	
			1	0	22.79	
			1	25	22.92	
			1	49	22.92	
			25	0	21.69	
			25	12	21.55	
			25	25	21.55	
			50	0	21.57	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1715	132022	10	1	0	21.10
				1	25	21.09
				1	49	21.10
				25	0	21.10
				25	12	21.10
				25	25	21.10
				50	0	20.99
	1755	132422		1	0	21.47
				1	25	21.47
				1	49	21.47
				25	0	21.47
				25	12	21.39
				25	25	21.39
				50	0	21.38
	1775	132622		1	0	21.57
				1	25	21.58
				1	49	21.58
				25	0	21.39
				25	12	21.40
				25	25	21.40
				50	0	21.40

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1717.5	132047	15	1	0	23.43
				1	37	23.12
				1	74	23.11
				36	0	22.23
				36	29	22.18
				36	30	22.19
	1755	132422		75	0	22.20
				1	0	23.24
				1	37	23.29
				1	74	24.01
				36	0	22.41
				36	29	22.68
	1772.5	132597		36	30	22.67
				75	0	22.56
				1	0	23.54
				1	37	23.46
				1	74	23.45
				36	0	22.71
16QAM	1717.5	132047	36	29	22.61	
			36	30	22.61	
			75	0	22.56	
			1	0	21.76	
			1	37	21.39	
			1	74	21.39	
	1755	132422	36	0	21.17	
			36	29	21.12	
			36	30	21.13	
			75	0	21.35	
			1	0	22.47	
			1	37	22.03	
	1772.5	132597	1	74	22.03	
			36	0	21.39	
			36	29	21.54	
			36	30	21.54	
			75	0	21.45	
			1	0	22.78	
			1	37	22.85	
			1	74	22.86	
			36	0	21.57	
			36	29	21.69	
			36	30	21.69	
			75	0	21.55	

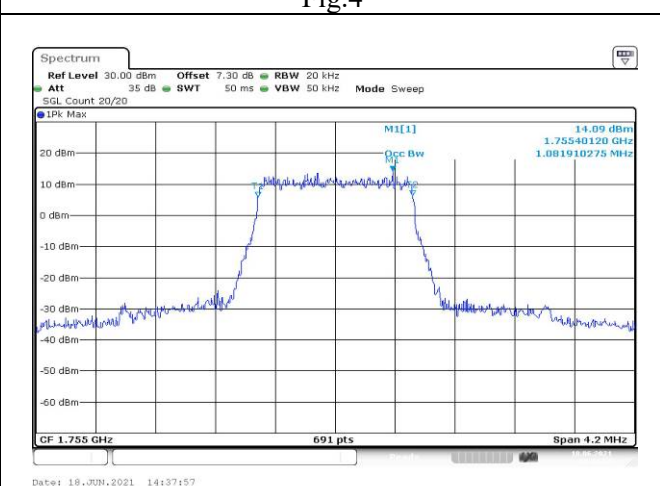
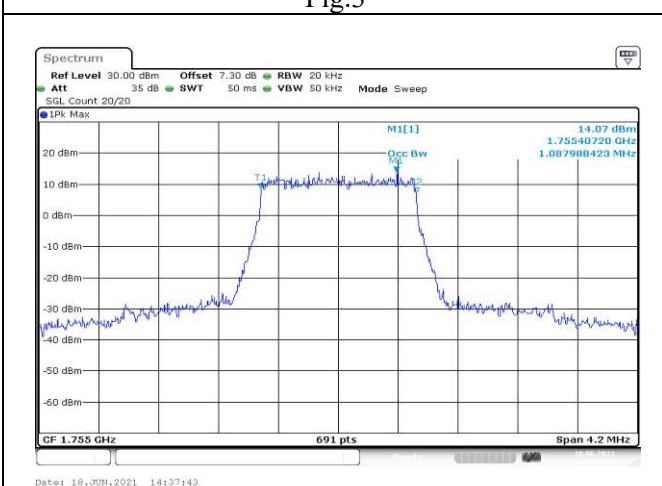
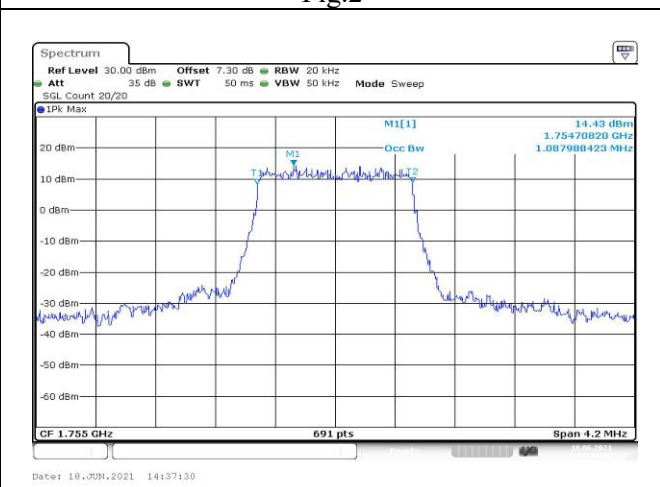
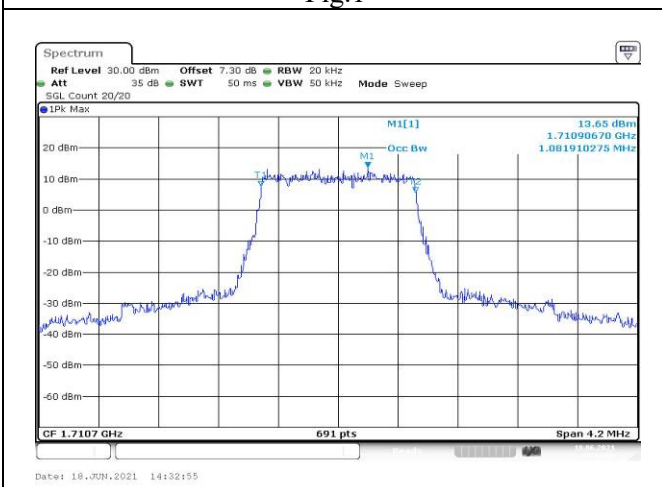
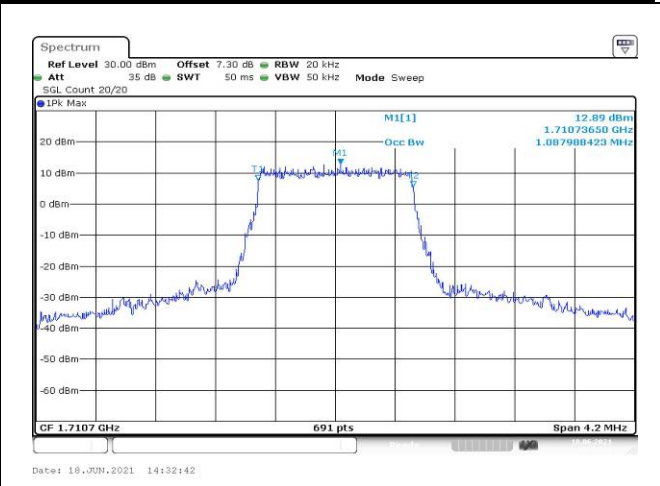
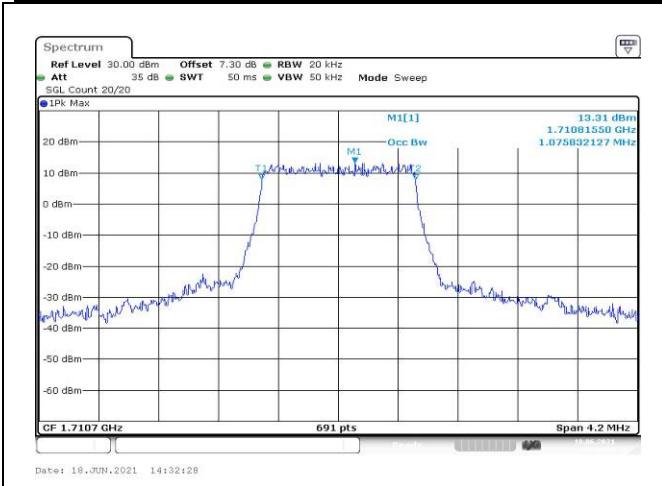
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1717.5	132047	15	1	0	21.35
				1	37	21.35
				1	74	21.34
				36	0	21.34
				36	29	21.34
				36	30	21.35
				75	0	21.35
	1755	132422		1	0	21.45
				1	37	21.45
				1	74	21.44
				36	0	21.43
				36	29	21.42
				36	30	21.42
				75	0	21.42
	1772.5	132597		1	0	21.55
				1	37	21.54
				1	74	21.53
				36	0	21.53
				36	29	21.54
				36	30	21.54
				75	0	21.54

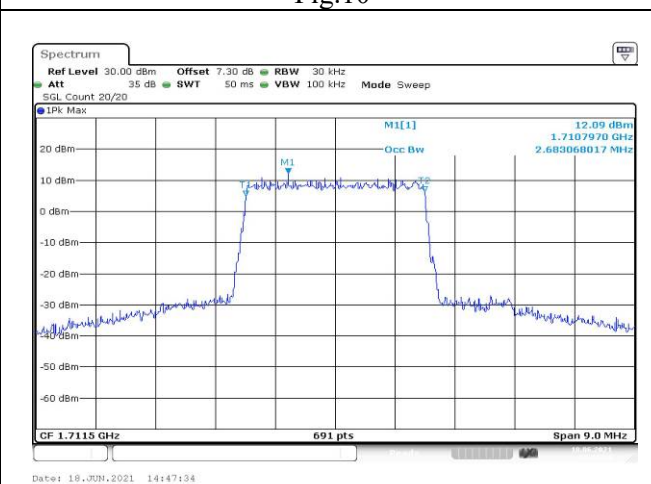
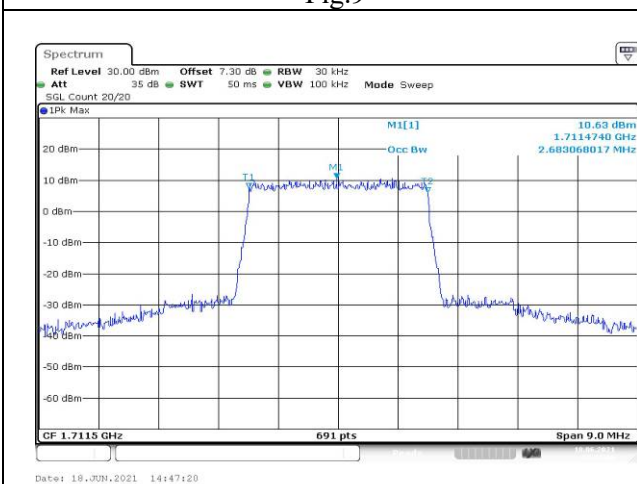
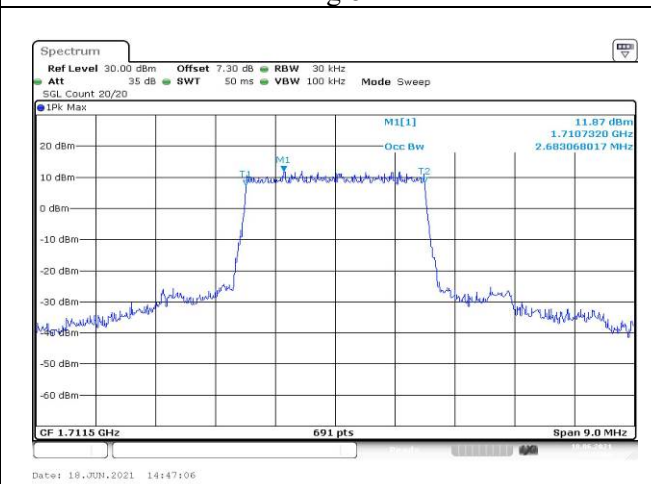
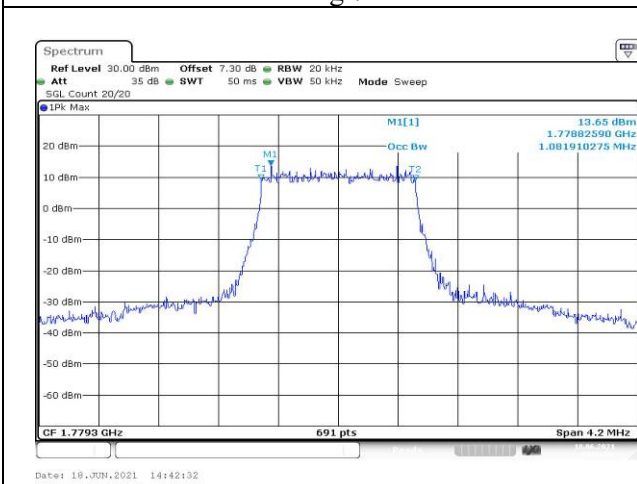
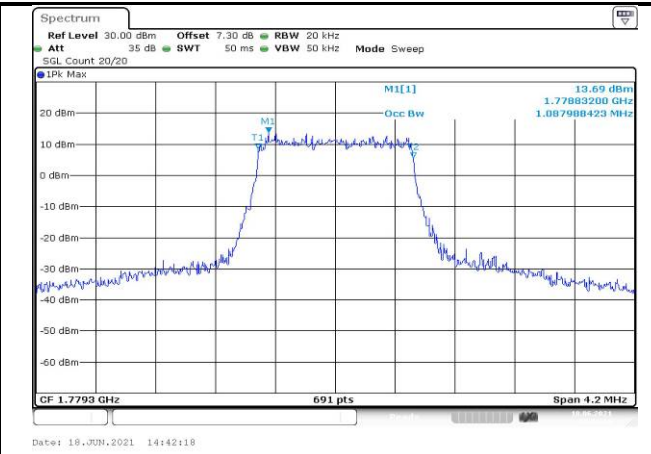
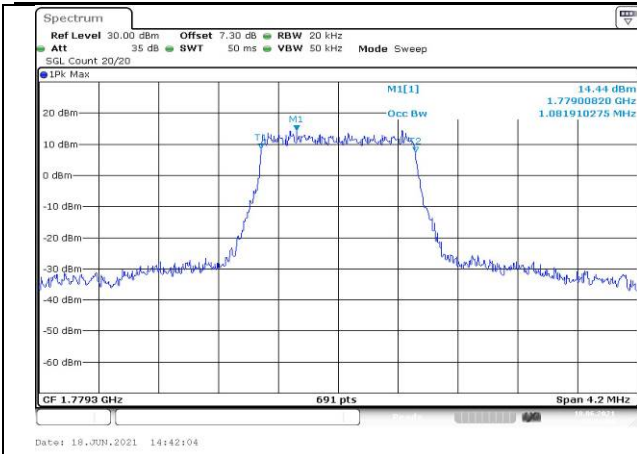
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1720	132072	20	1	0	23.16
				1	49	23.01
				1	99	23.09
				50	0	22.06
				50	24	22.14
				50	50	22.14
	100	0		22.15		
	1	0		23.46		
	1	49		23.68		
	1	99		23.42		
	50	0		22.41		
	50	24		22.64		
	50	50		22.75		
	100	0		22.56		
	1	0		24.08		
	1	49		23.35		
	1	99		23.34		
	50	0		22.75		
50	24	22.62				
50	50	22.62				
100	0	22.64				
16QAM	1720	132072	1	0	23.05	
			1	49	22.99	
			1	99	22.99	
			50	0	21.22	
			50	24	21.19	
			50	50	21.19	
	100	0	21.20			
	1	0	23.51			
	1	49	23.89			
	1	99	23.97			
	50	0	21.47			
	50	24	21.62			
	50	50	21.62			
	100	0	21.65			
	1	0	23.60			
	1	49	23.28			
	1	99	23.27			
	50	0	21.57			
50	24	21.60				
50	50	21.60				
100	0	21.62				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1720	132072	20	1	0	21.20
				1	49	21.20
				1	99	21.19
				50	0	21.19
				50	24	21.18
				50	50	21.18
				100	0	21.19
	1755	132422		1	0	21.66
				1	49	21.66
				1	99	21.66
				50	0	21.75
				50	24	21.64
				50	50	21.63
				100	0	21.64
	1770	132572		1	0	21.52
				1	49	21.52
				1	99	21.52
				50	0	21.61
				50	24	21.61
				50	50	21.61
				100	0	21.61

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	1.076	Fig.1	1.088	Fig.2	1.082	Fig.3
	1755	132422		6	0	1.088	Fig.4	1.088	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	2.683	Fig.12
	1755	132422		15	0	2.683	Fig.13	2.683	Fig.14	2.683	Fig.15
	1778.5	132657		15	0	2.683	Fig.16	2.683	Fig.17	2.683	Fig.18
	1712.5	131997	5	25	0	4.450	Fig.19	4.472	Fig.20	4.472	Fig.21
	1755	132422		25	0	4.472	Fig.22	4.472	Fig.23	4.472	Fig.24
	1777.5	132647		25	0	4.472	Fig.25	4.472	Fig.26	4.493	Fig.27
	1715	132022	10	50	0	8.944	Fig.28	8.944	Fig.29	8.944	Fig.30
	1755	132422		50	0	8.944	Fig.31	8.944	Fig.32	8.944	Fig.33
	1775	132622		50	0	8.944	Fig.34	8.944	Fig.35	8.944	Fig.36
	1717.5	132047	15	75	0	13.415	Fig.37	13.350	Fig.38	13.350	Fig.39
	1755	132422		75	0	13.415	Fig.40	13.415	Fig.41	13.415	Fig.42
	1772.5	132597		75	0	13.350	Fig.43	13.415	Fig.44	13.415	Fig.45
	1720	132072	20	100	0	17.800	Fig.46	17.800	Fig.47	17.800	Fig.48
1755	132422	100		0	17.887	Fig.49	17.800	Fig.50	17.800	Fig.51	
1770	132572	100		0	17.887	Fig.52	17.887	Fig.53	17.800	Fig.54	





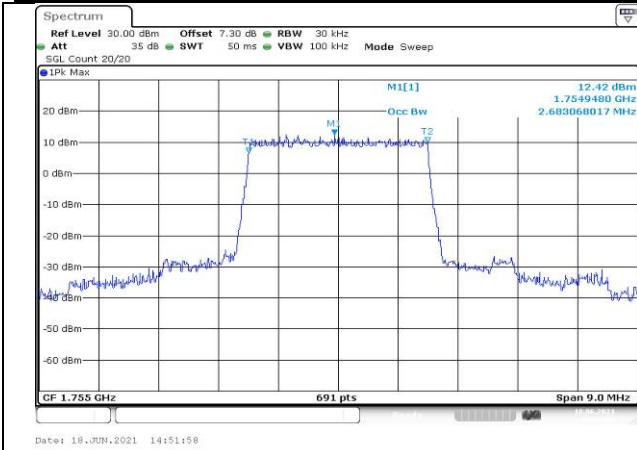


Fig.13

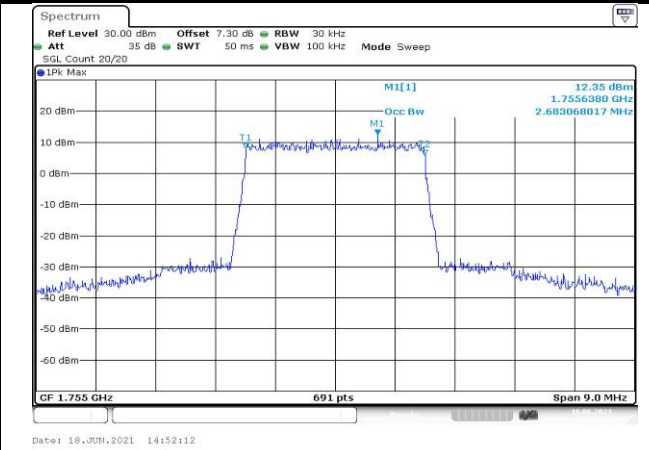


Fig.14

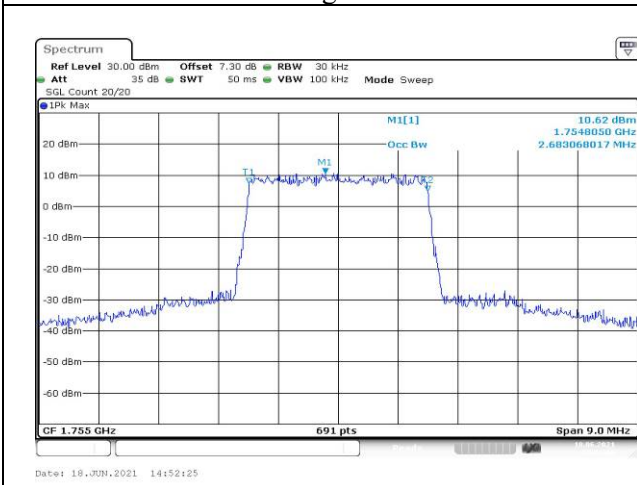


Fig.15

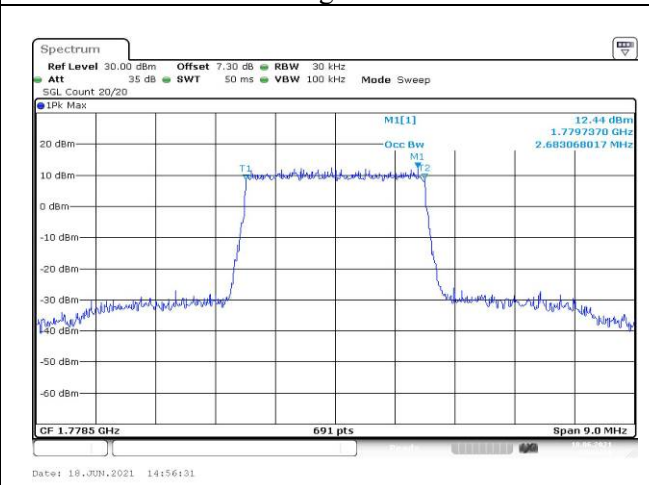


Fig.16

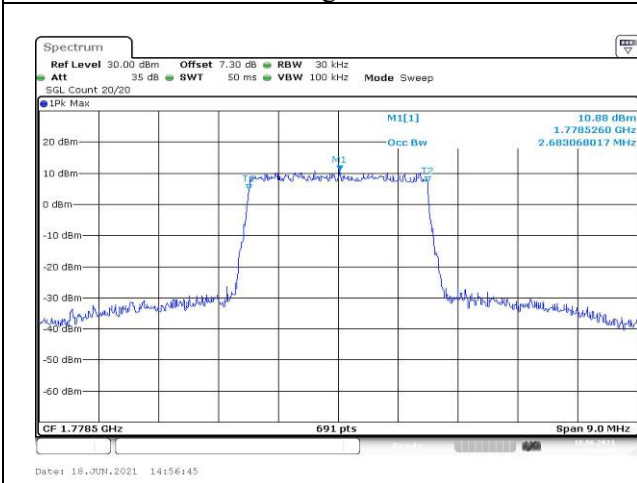


Fig.17

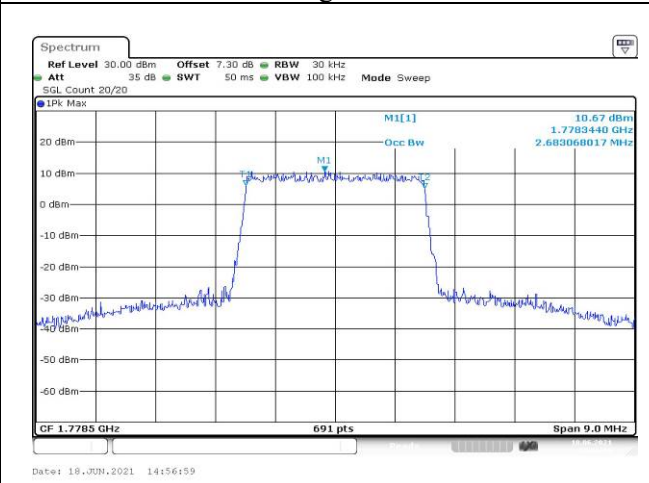


Fig.18

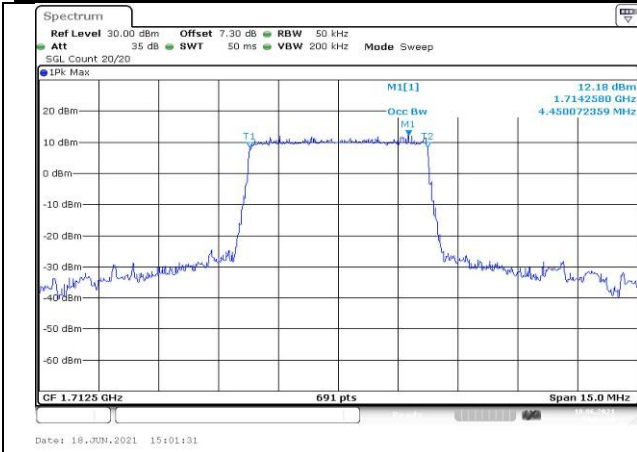


Fig.19



Fig.20

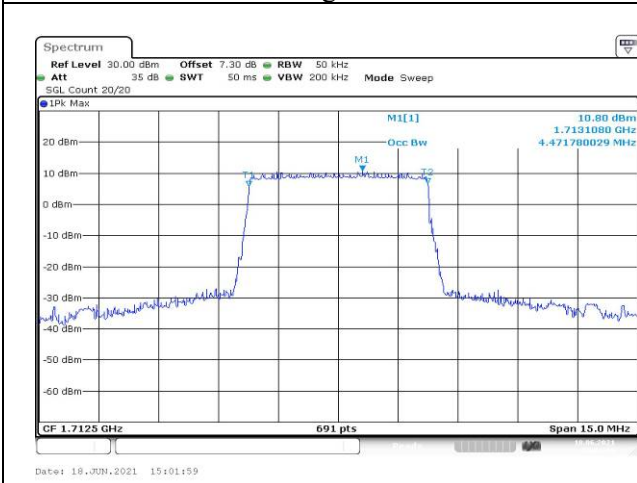


Fig.21

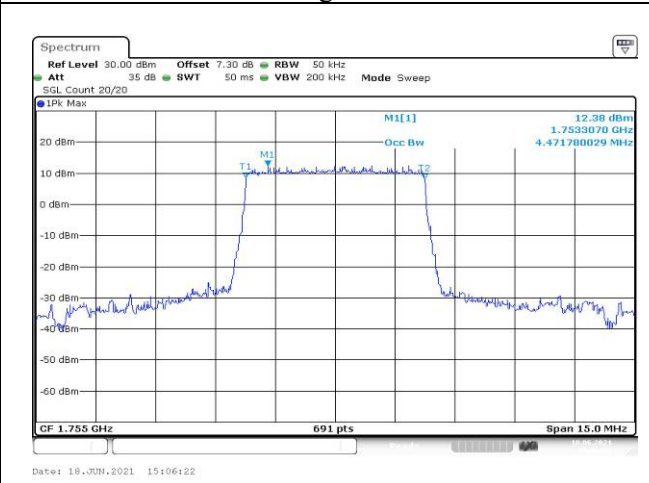


Fig.22

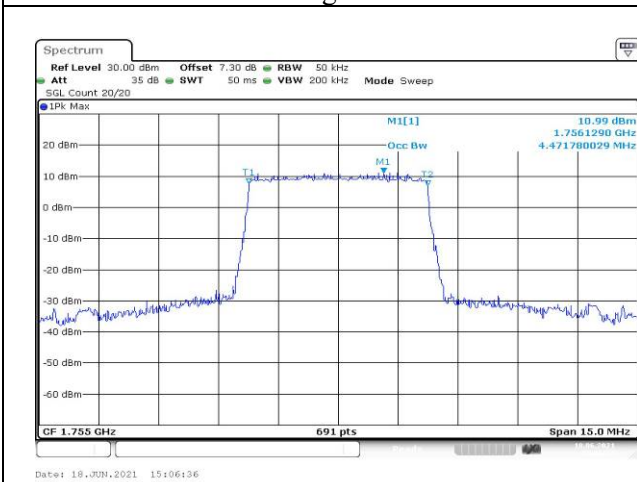


Fig.23

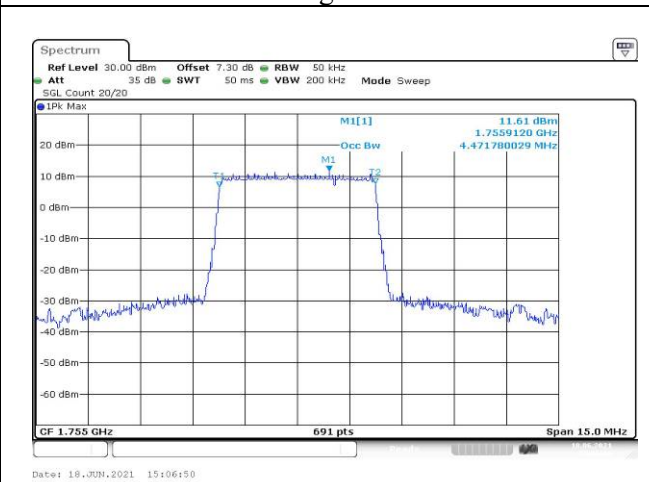


Fig.24

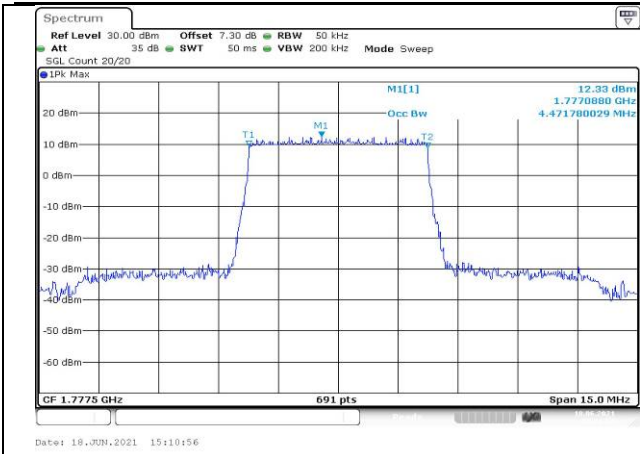


Fig.25

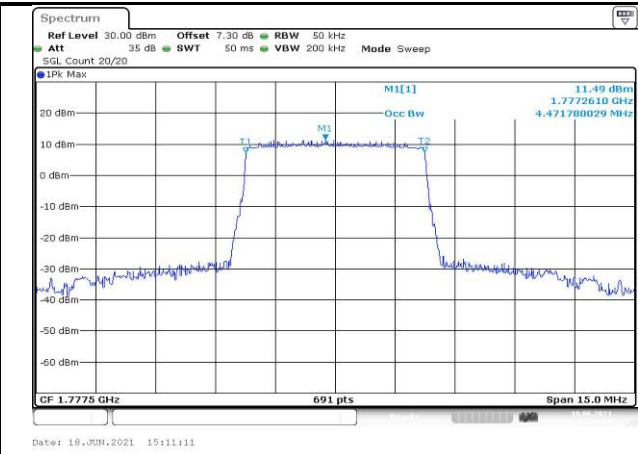


Fig.26

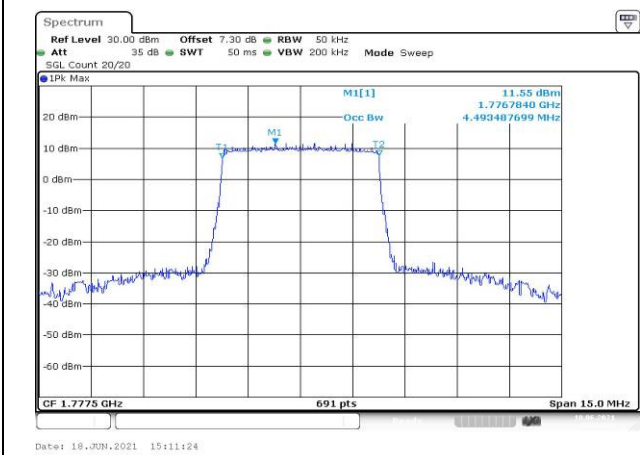


Fig.27

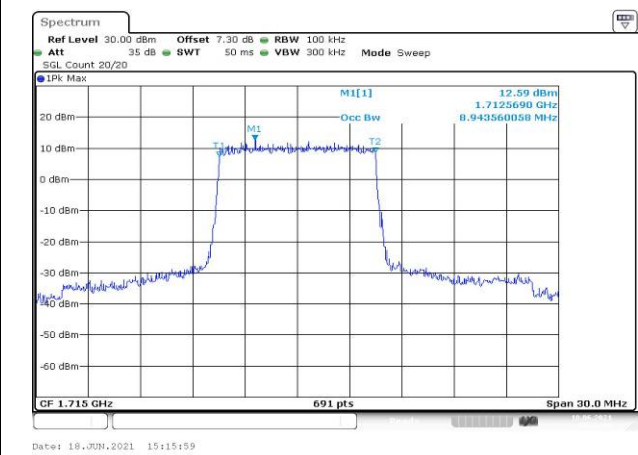


Fig.28

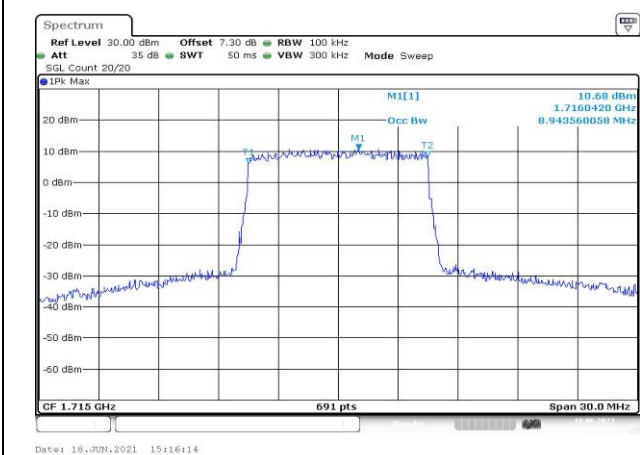


Fig.29

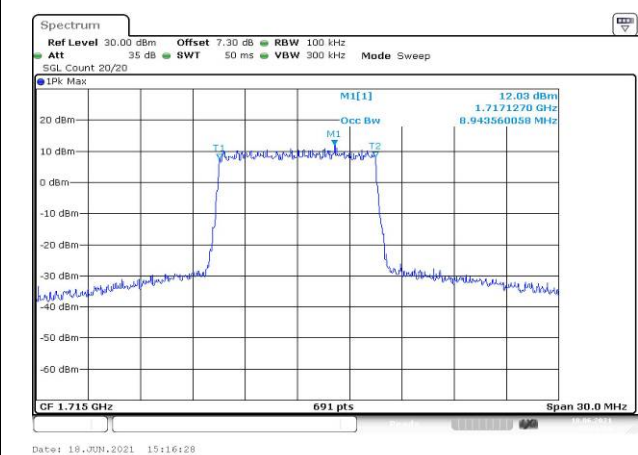
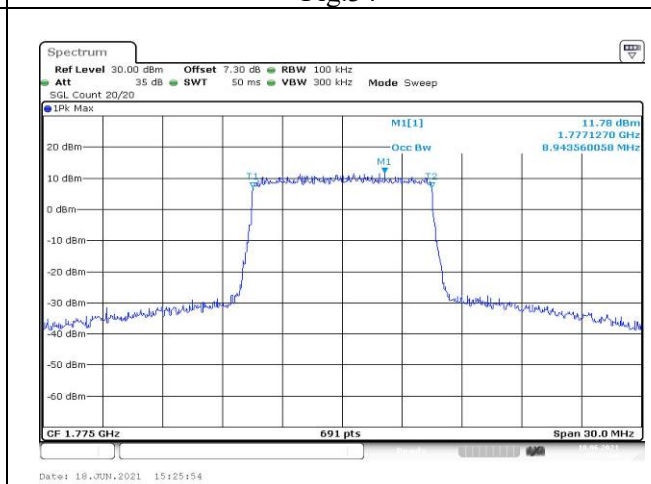
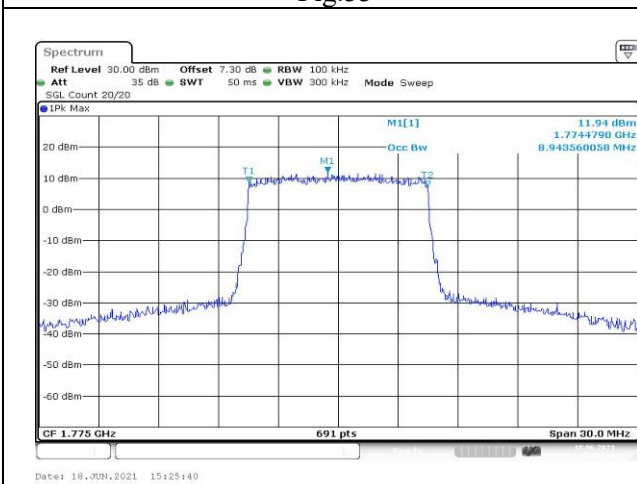
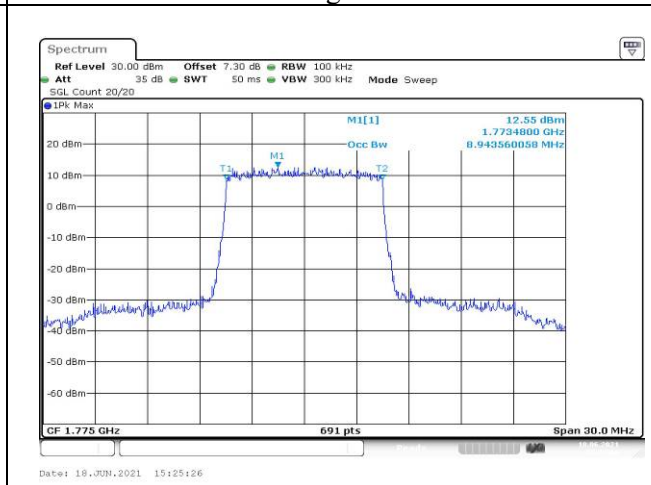
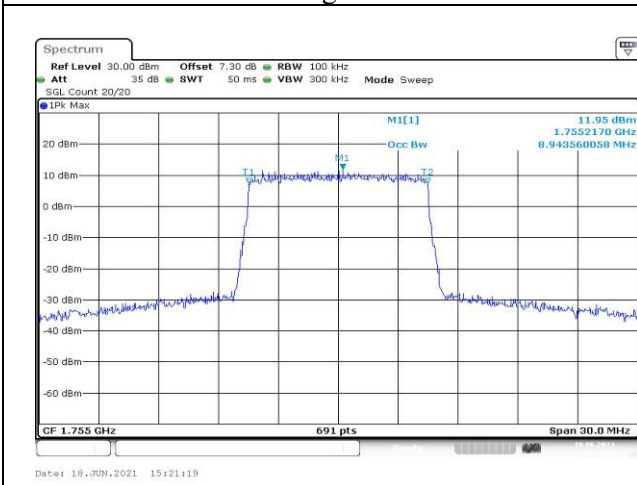
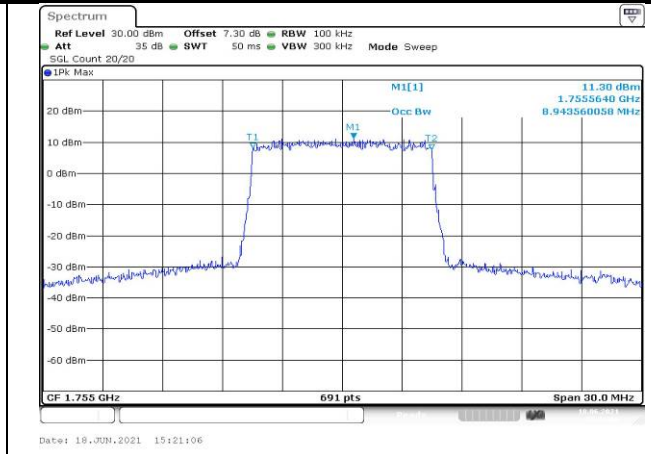
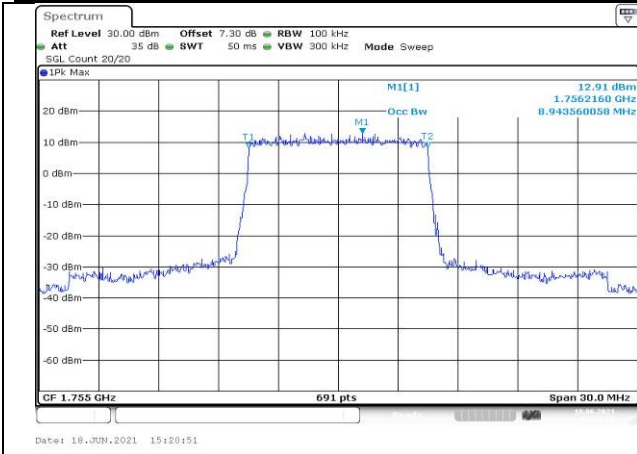


Fig.30



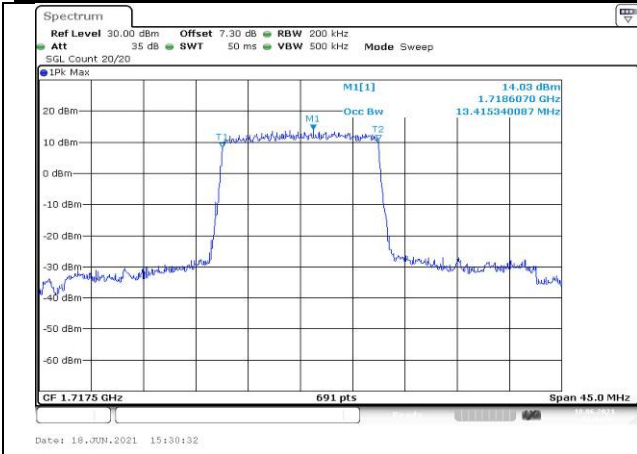


Fig.37



Fig.38

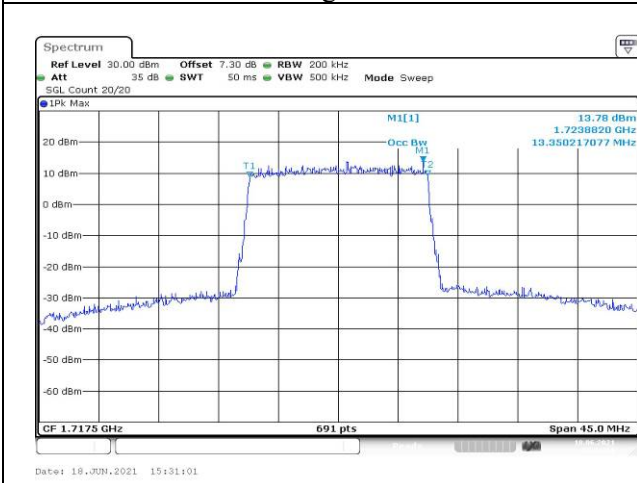


Fig.39

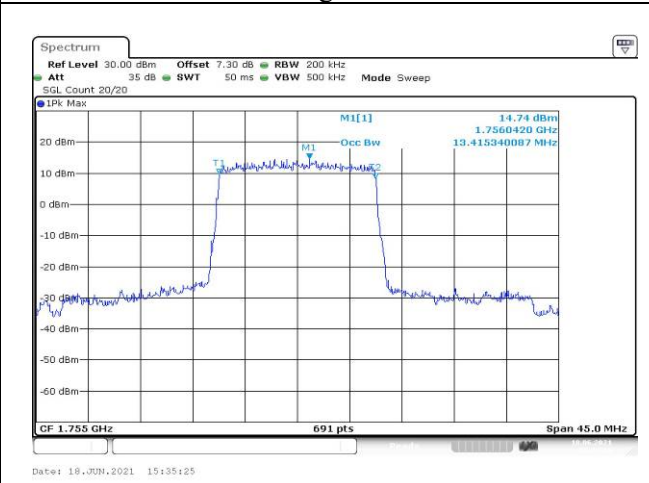


Fig.40

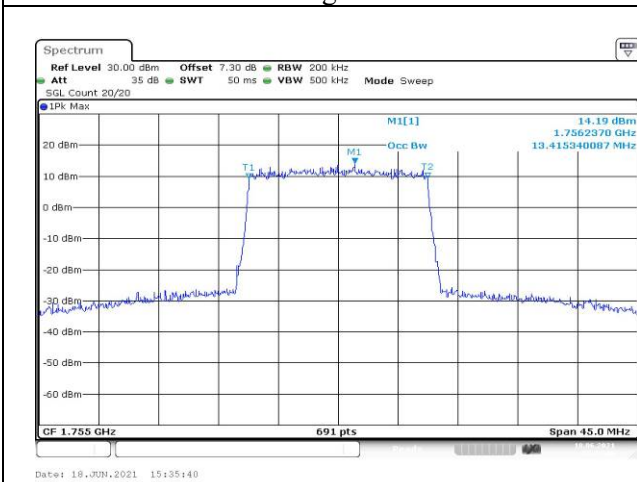


Fig.41

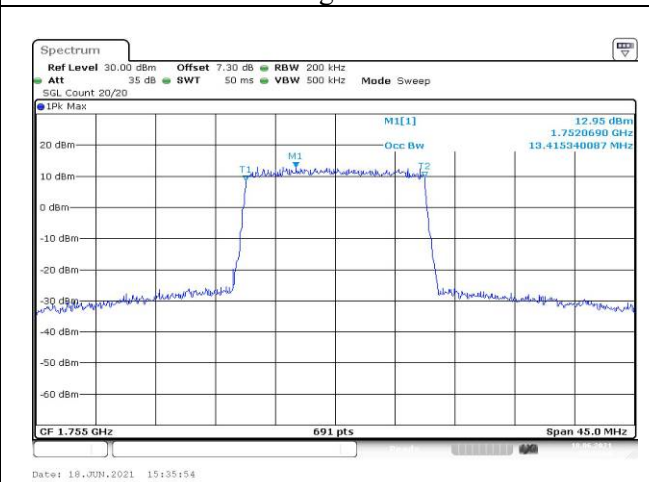


Fig.42

