

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 2

1 RF Power Output

RF Power Output						
Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1850.7	18607	1.4	1	0	23.70
				1	3	23.86
				1	5	23.85
				3	0	23.91
				3	1	23.57
				3	3	23.57
				6	0	22.50
	1880	18900		1	0	23.16
				1	3	23.15
				1	5	23.15
				3	0	23.38
				3	1	23.37
				3	3	23.37
				6	0	22.23
	1909.3	19193		1	0	23.73
				1	3	23.65
				1	5	23.64
				3	0	23.38
				3	1	23.35
				3	3	23.45
				6	0	22.59
16QAM	1850.7	18607	1	0	22.69	
			1	3	22.69	
			1	5	22.68	
			3	0	22.60	
			3	1	22.73	
			3	3	22.72	
			6	0	21.53	
	1880	18900	1	0	22.90	
			1	3	22.91	
			1	5	22.91	
			3	0	22.66	
			3	1	22.65	
			3	3	22.66	
			6	0	21.48	
	1909.3	19193	1	0	22.64	
			1	3	22.60	
			1	5	22.60	
			3	0	22.82	
3	1	22.81				
3	3	22.70				
6	0	21.38				

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1850.7	18607	1.4	1	0	21.83
				1	3	21.83
				1	5	21.82
				3	0	21.82
				3	1	21.82
				3	3	21.83
	6	0		21.83		
	1880	18900		1	0	21.48
				1	3	21.48
				1	5	21.48
				3	0	21.48
				3	1	21.48
				3	3	21.48
	6	0		21.48		
	1909.3	19193		1	0	21.56
				1	3	21.56
				1	5	21.56
				3	0	21.56
				3	1	21.56
				3	3	21.65
				6	0	21.65

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1851.5	18615	3	1	0	23.59
				1	8	23.45
				1	14	23.58
				8	0	22.58
				8	4	22.54
				8	7	22.54
				15	0	22.57
	1880	18900		1	0	22.85
				1	8	22.90
				1	14	22.90
				8	0	22.25
				8	4	22.28
				8	7	22.28
				15	0	22.16
	1908.5	19185		1	0	23.59
				1	8	23.64
				1	14	23.63
				8	0	22.60
				8	4	22.65
				8	7	22.65
				15	0	22.63
16QAM	1851.5	18615	1	0	22.97	
			1	8	22.88	
			1	14	22.88	
			8	0	21.76	
			8	4	21.72	
			8	7	21.72	
			15	0	21.61	
	1880	18900	1	0	22.34	
			1	8	22.28	
			1	14	22.29	
			8	0	21.23	
			8	4	21.25	
			8	7	21.25	
			15	0	21.09	
	1908.5	19185	1	0	22.42	
			1	8	22.54	
			1	14	22.44	
			8	0	21.83	
			8	4	21.79	
			8	7	21.52	
			15	0	21.71	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1851.5	18615	3	1	0	21.61
				1	8	21.52
				1	14	21.52
				8	0	21.52
				8	4	21.52
				8	7	21.52
				15	0	21.52
	1880	18900		1	0	21.09
				1	8	21.09
				1	14	21.09
				8	0	21.09
				8	4	21.09
				8	7	21.09
				15	0	21.09
	1908.5	19185		1	0	21.71
				1	8	21.71
				1	14	21.72
				8	0	21.72
				8	4	21.72
				8	7	21.72
				15	0	21.72

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1852.5	18625	5	1	0	23.46
				1	12	23.27
				1	24	23.26
				12	0	22.53
				12	7	22.53
				12	13	22.53
				25	0	22.57
	1880	18900		1	0	22.87
				1	12	22.83
				1	24	22.83
				12	0	22.30
				12	7	22.26
				12	13	22.26
				25	0	22.14
	1907.5	19175		1	0	23.26
				1	12	23.26
				1	24	23.26
				12	0	22.66
				12	7	22.65
				12	13	22.65
				25	0	22.65
16QAM	1852.5	18625	1	0	21.84	
			1	12	21.88	
			1	24	21.88	
			12	0	21.22	
			12	7	21.13	
			12	13	21.14	
			25	0	21.56	
	1880	18900	1	0	22.40	
			1	12	22.75	
			1	24	22.75	
			12	0	21.15	
			12	7	21.23	
			12	13	21.22	
			25	0	21.14	
	1907.5	19175	1	0	22.28	
			1	12	22.31	
			1	24	22.47	
			12	0	21.32	
			12	7	21.37	
			12	13	21.40	
			25	0	21.68	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1852.5	18625	5	1	0	21.57
				1	12	21.56
				1	24	21.56
				12	0	21.56
				12	7	21.56
				12	13	21.56
	1880	18900		25	0	21.56
				1	0	21.14
				1	12	21.14
				1	24	21.14
				12	0	21.14
				12	7	21.14
				12	13	21.14
				25	0	21.14
	1907.5	19175		1	0	21.68
				1	12	21.68
				1	24	21.68
				12	0	21.68
				12	7	21.50
				12	13	21.78
				25	0	21.78

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1855	18650	10	1	0	23.47	
				1	25	23.17	
				1	49	23.16	
				25	0	22.59	
				25	12	22.38	
				25	25	22.39	
				50	0	22.43	
	1880	18900		1	0	23.07	
				1	25	23.39	
				1	49	23.39	
				25	0	22.26	
				25	12	22.36	
				25	25	22.36	
				50	0	22.35	
	1905	19150		1	0	23.44	
				1	25	23.56	
				1	49	23.56	
				25	0	22.62	
				25	12	22.74	
				25	25	22.64	
				50	0	22.58	
	16QAM	1855		18650	1	0	23.06
					1	25	22.86
					1	49	22.86
25					0	21.62	
25					12	21.42	
25					25	21.52	
50					0	21.43	
1880		18900	1	0	22.67		
			1	25	23.08		
			1	49	23.08		
			25	0	21.15		
			25	12	21.44		
			25	25	21.44		
			50	0	21.34		
1905		19150	1	0	22.63		
			1	25	22.78		
			1	49	22.79		
			25	0	21.81		
			25	12	21.63		
			25	25	21.63		
50	0	21.52					

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1855	18650	10	1	0	21.43
				1	25	21.43
				1	49	21.43
				25	0	21.43
				25	12	21.34
				25	25	21.34
	1880	18900		50	0	21.34
				1	0	21.34
				1	25	21.34
				1	49	21.34
				25	0	21.34
				25	12	21.34
				25	25	21.34
				50	0	21.34
	1905	19150		1	0	21.52
				1	25	21.52
				1	49	21.52
				25	0	21.52
				25	12	21.52
				25	25	21.52
				50	0	21.52

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	1857.5	18675	15	1	0	23.80
				1	37	23.37
				1	74	23.36
				36	0	22.61
				36	29	22.40
				36	30	22.41
				75	0	22.37
	1880	18900		1	0	23.01
				1	37	23.49
				1	74	23.49
				36	0	22.25
				36	29	22.33
				36	30	22.33
				75	0	22.28
	1902.5	19125		1	0	23.17
				1	37	23.42
				1	74	23.42
				36	0	22.47
				36	29	22.60
				36	30	22.60
				75	0	22.61
16QAM	1857.5	18675	1	0	23.13	
			1	37	22.75	
			1	74	22.75	
			36	0	21.65	
			36	29	21.33	
			36	30	21.45	
			75	0	21.39	
	1880	18900	1	0	22.62	
			1	37	23.10	
			1	74	23.10	
			36	0	21.15	
			36	29	21.35	
			36	30	21.35	
			75	0	21.32	
	1902.5	19125	1	0	22.67	
			1	37	23.05	
			1	74	23.05	
			36	0	21.38	
			36	29	21.49	
			36	30	21.49	
			75	0	21.40	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1857.5	18675	15	1	0	21.40
				1	37	21.40
				1	74	21.40
				36	0	21.40
				36	29	21.40
				36	30	21.40
	1880	18900		75	0	21.40
				1	0	21.32
				1	37	21.32
				1	74	21.32
				36	0	21.32
				36	29	21.32
				36	30	21.33
				75	0	21.32
	1902.5	19125		1	0	21.40
				1	37	21.40
				1	74	21.51
				36	0	21.51
				36	29	21.51
				36	30	21.51
				75	0	21.51

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	1860	18700	20	1	0	23.43	
				1	49	23.43	
				1	99	23.52	
				50	0	22.51	
				50	24	22.41	
				50	50	22.41	
				100	0	22.46	
	1880	18900		1	0	23.34	
				1	49	23.76	
				1	99	23.76	
				50	0	22.39	
				50	24	22.41	
				50	50	22.41	
				100	0	22.34	
	1900	19100		1	0	23.22	
				1	49	23.71	
				1	99	23.71	
				50	0	22.59	
				50	24	22.63	
				50	50	22.62	
				100	0	22.63	
	16QAM	1860		18700	1	0	22.91
					1	49	23.00
					1	99	23.00
50					0	21.58	
50					24	21.37	
50					50	21.39	
100					0	21.47	
1880		18900		1	0	22.60	
				1	49	22.58	
			1	99	22.58		
			50	0	21.24		
			50	24	21.40		
			50	50	21.40		
			100	0	21.35		
1900		19100	1	0	23.34		
			1	49	23.54		
			1	99	23.54		
			50	0	21.58		
			50	24	21.71		
			50	50	21.71		
			100	0	21.55		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	1860	18700	20	1	0	21.47
				1	49	21.47
				1	99	21.46
				50	0	21.46
				50	24	21.46
				50	50	21.46
				100	0	21.46
	1880	18900		1	0	21.35
				1	49	21.35
				1	99	21.35
				50	0	21.35
				50	24	21.35
				50	50	21.35
				100	0	21.35
	1900	19100		1	0	21.55
				1	49	21.55
				1	99	21.55
				50	0	21.55
				50	24	21.55
				50	50	21.55
				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	
2	1850.7	18607	1.4	6	0	1.082	Fig.1	1.082	Fig.2	1.088	Fig.3
	1880	18900		6	0	1.088	Fig.4	1.088	Fig.5	1.082	Fig.6
	1909.3	19193		6	0	1.094	Fig.7	1.088	Fig.8	1.088	Fig.9
	1851.5	18615	3	15	0	2.683	Fig.10	2.683	Fig.11	2.683	Fig.12
	1880	18900		15	0	2.683	Fig.13	2.683	Fig.14	2.683	Fig.15
	1908.5	19185		15	0	2.696	Fig.16	2.683	Fig.17	2.683	Fig.18
	1852.5	18625	5	25	0	4.472	Fig.19	4.472	Fig.20	4.472	Fig.21
	1880	18900		25	0	4.472	Fig.22	4.493	Fig.23	4.472	Fig.24
	1907.5	19175		25	0	4.450	Fig.25	4.472	Fig.26	4.472	Fig.27
	1855	18650	10	50	0	8.944	Fig.28	8.944	Fig.29	8.944	Fig.30
	1880	18900		50	0	8.944	Fig.31	8.944	Fig.32	8.944	Fig.33
	1905	19150		50	0	8.944	Fig.34	8.944	Fig.35	8.944	Fig.36
	1857.5	18675	15	75	0	13.415	Fig.37	13.350	Fig.38	13.415	Fig.39
	1880	18900		75	0	13.415	Fig.40	13.350	Fig.41	13.415	Fig.42
	1902.5	19125		75	0	13.415	Fig.43	13.415	Fig.44	13.415	Fig.45
	1860	18700	20	100	0	17.887	Fig.46	17.887	Fig.47	17.887	Fig.48
	1880	18900		100	0	17.800	Fig.49	17.887	Fig.50	17.887	Fig.51
	1900	19100		100	0	17.887	Fig.52	17.887	Fig.53	17.800	Fig.54



Fig.1

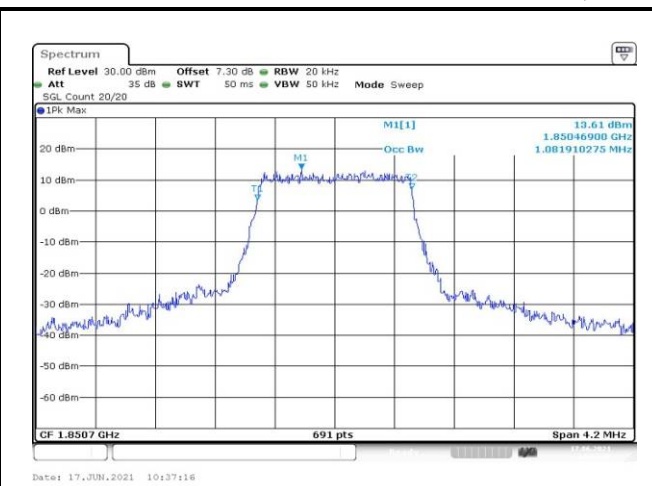


Fig.2

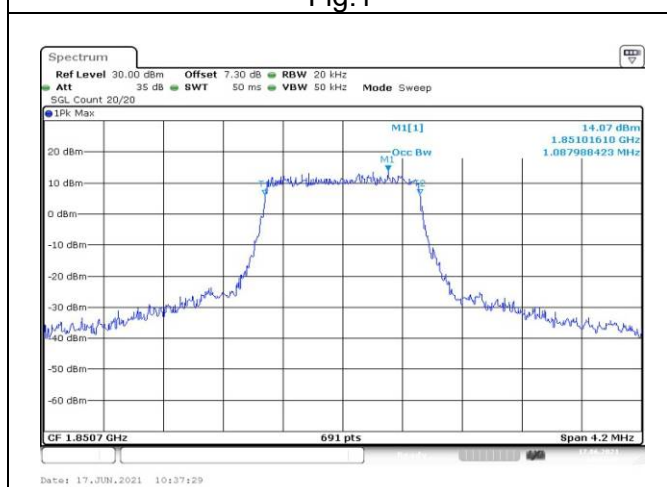


Fig.3

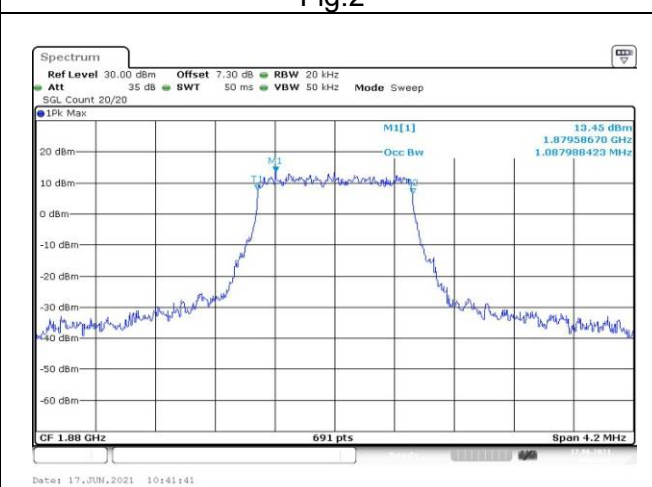


Fig.4

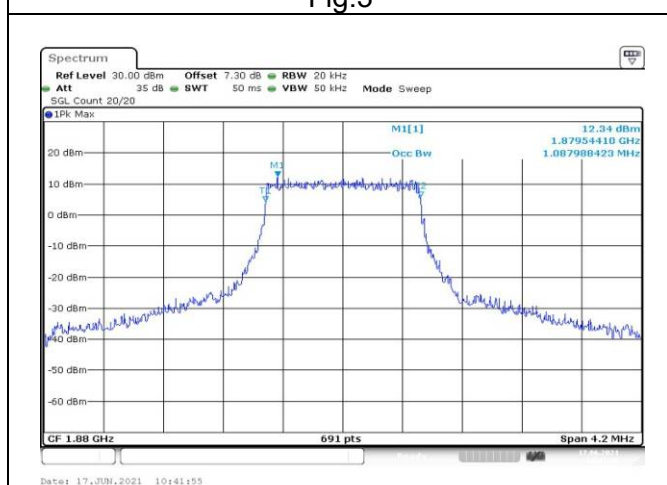


Fig.5

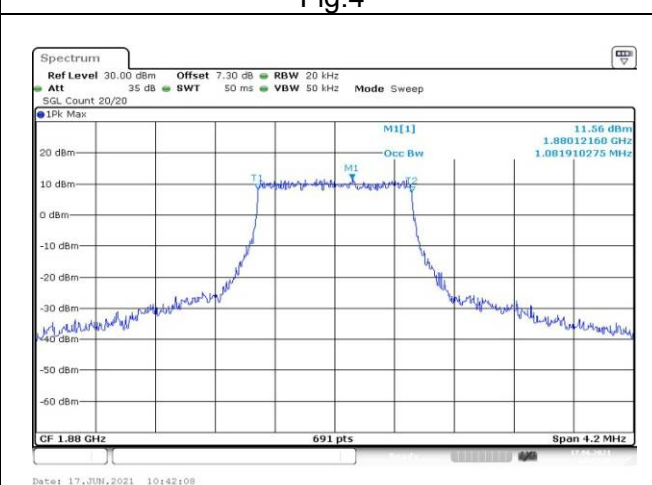


Fig.6

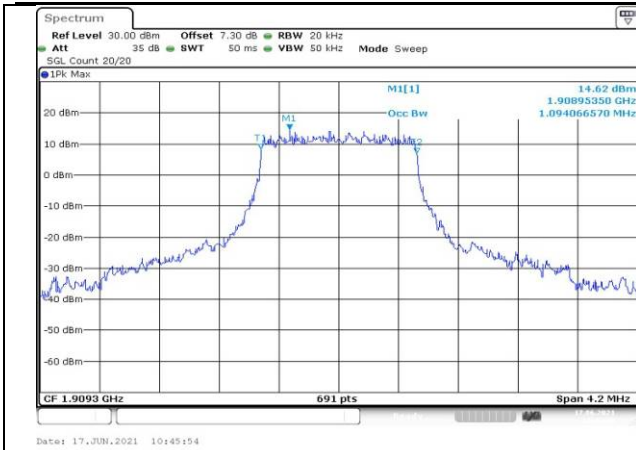


Fig.7

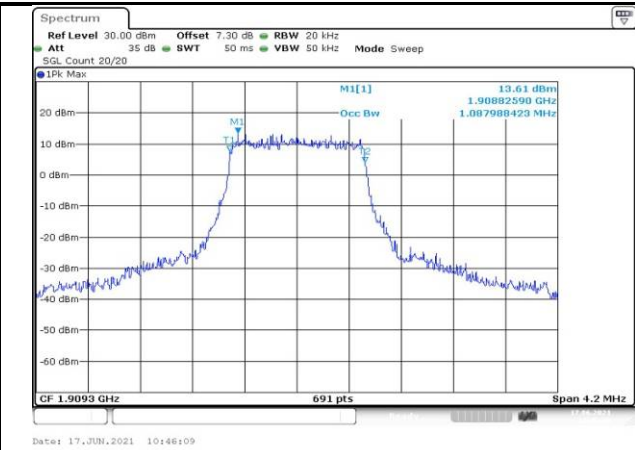


Fig.8

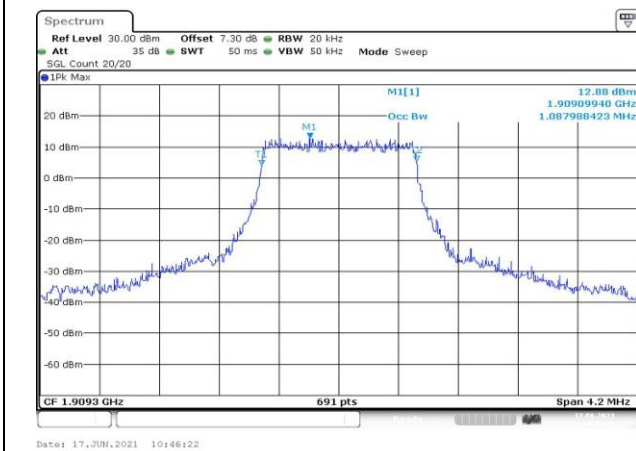


Fig.9

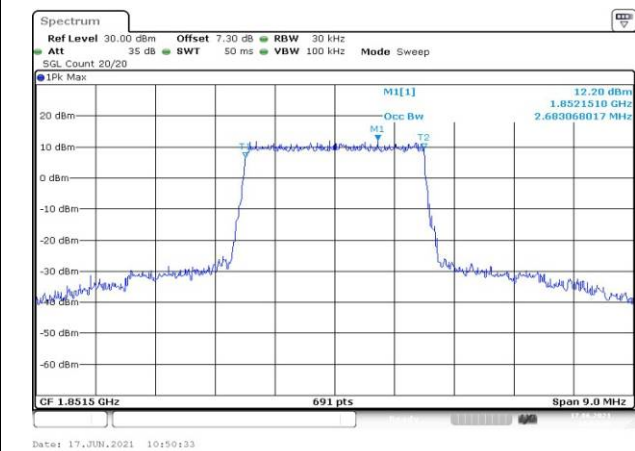


Fig.10

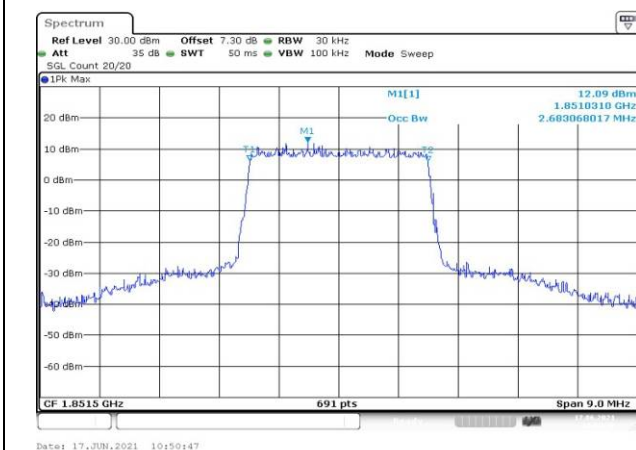


Fig.11

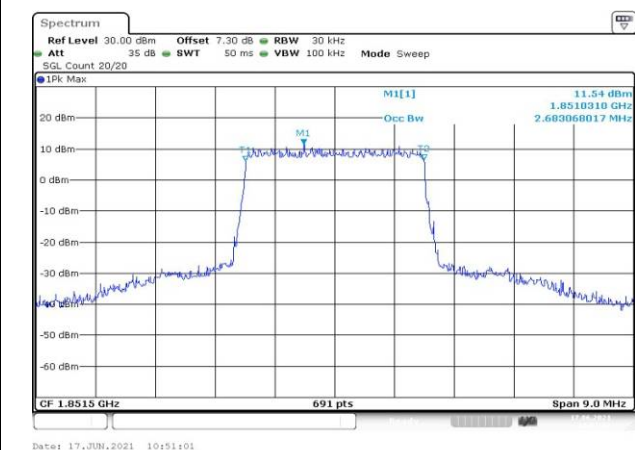
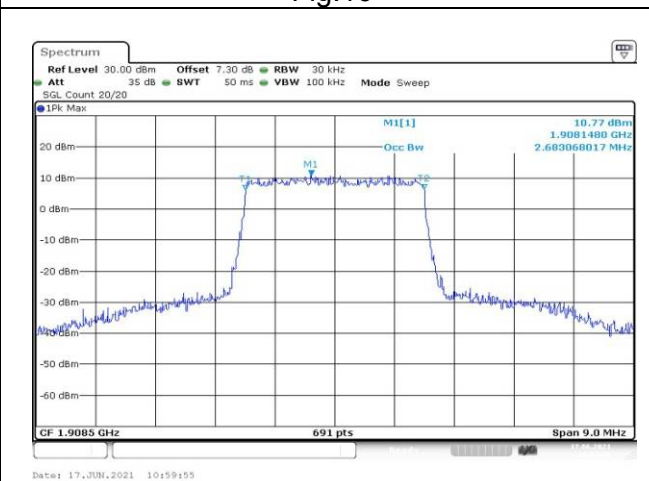
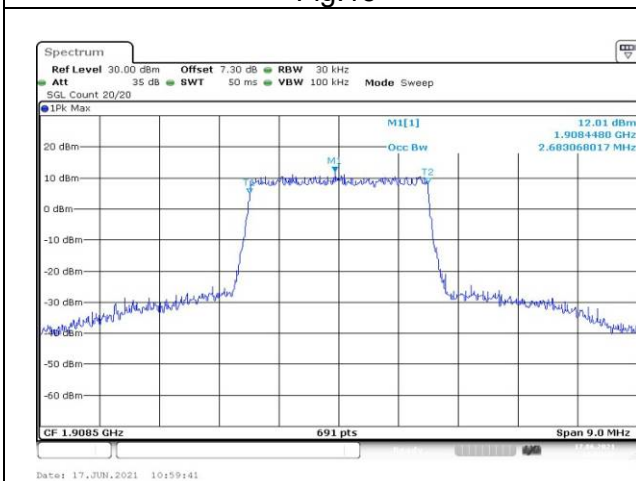
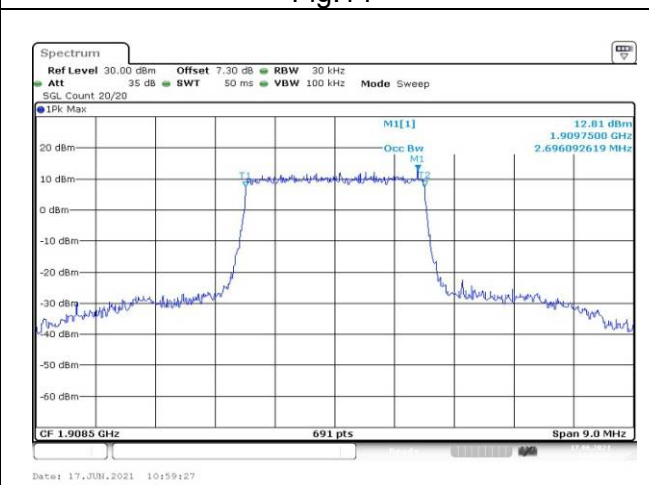
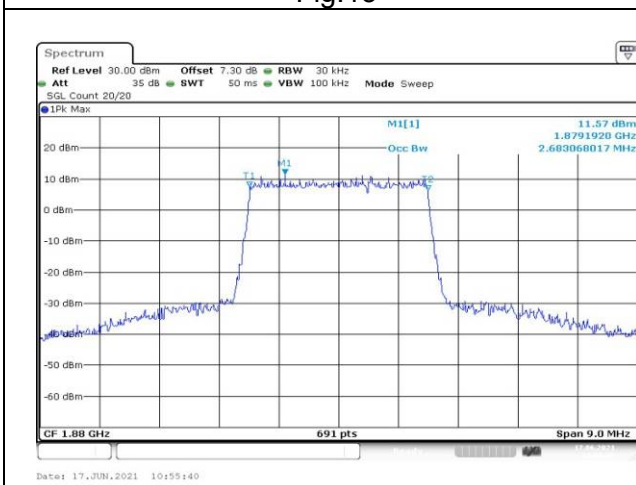
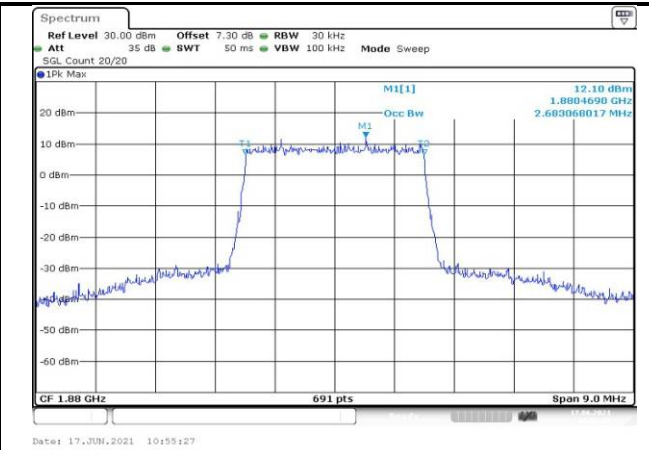
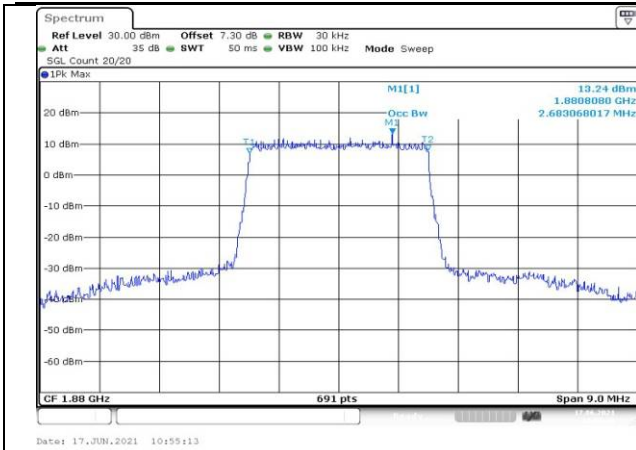
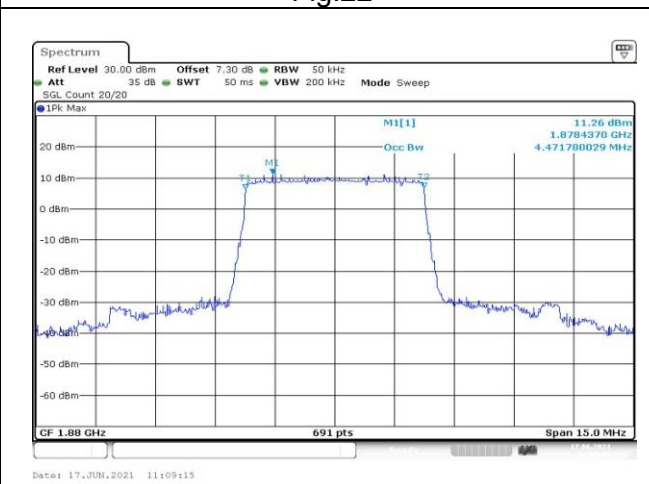
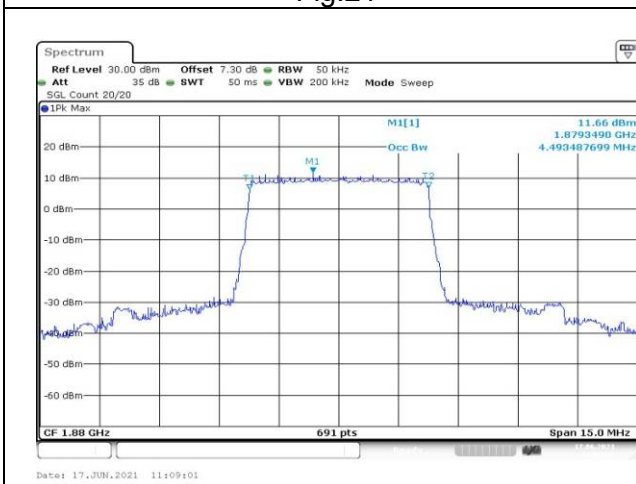
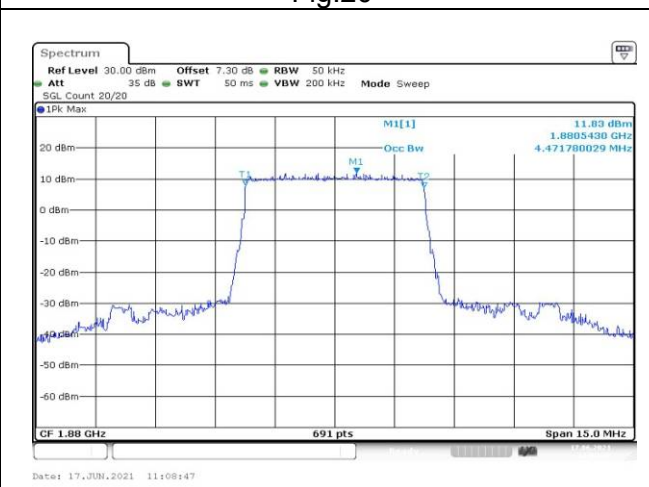
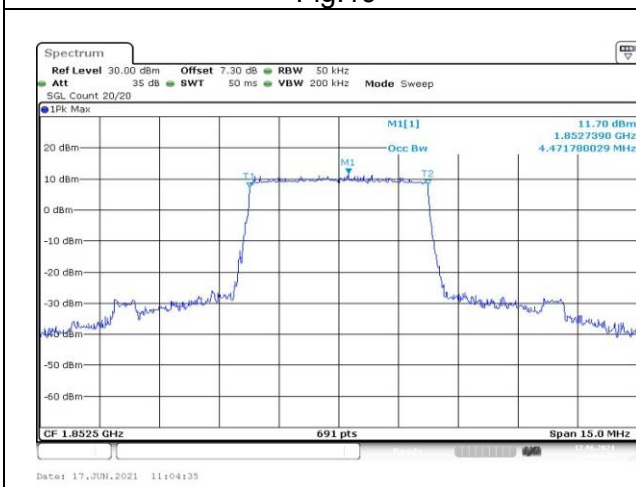
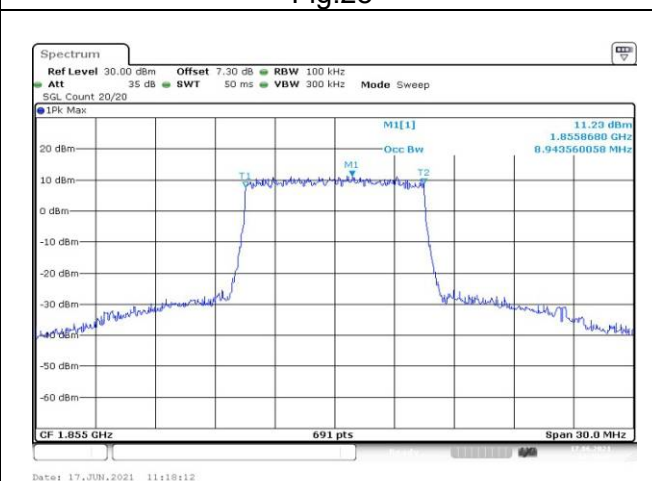
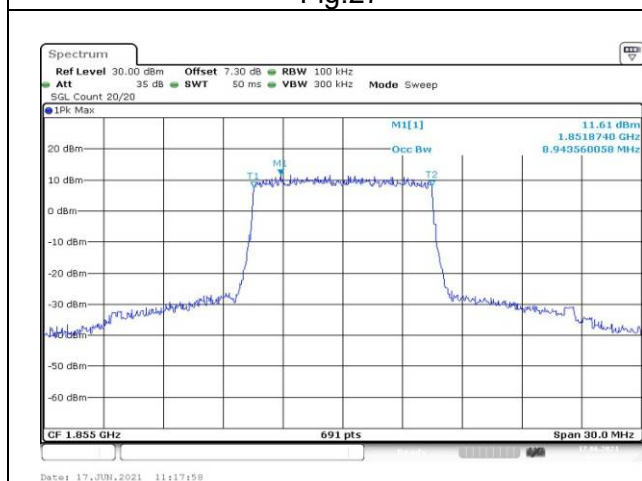
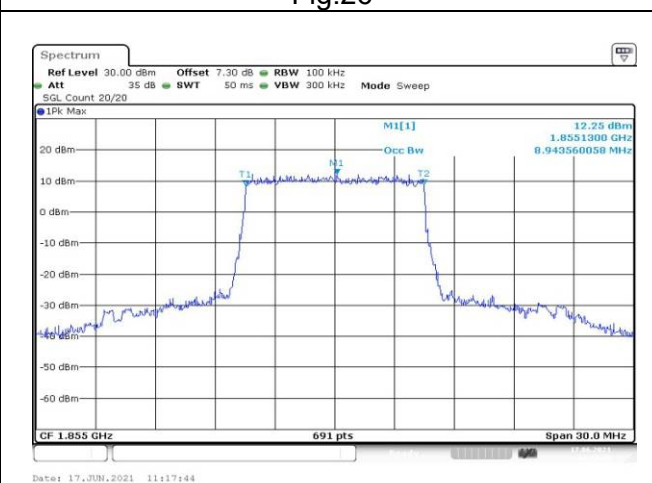
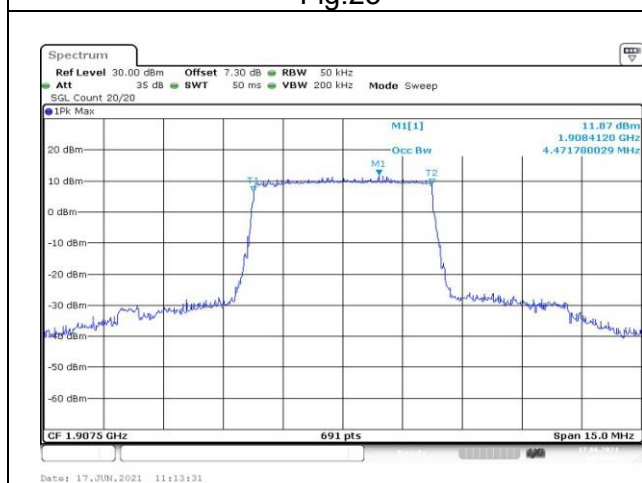
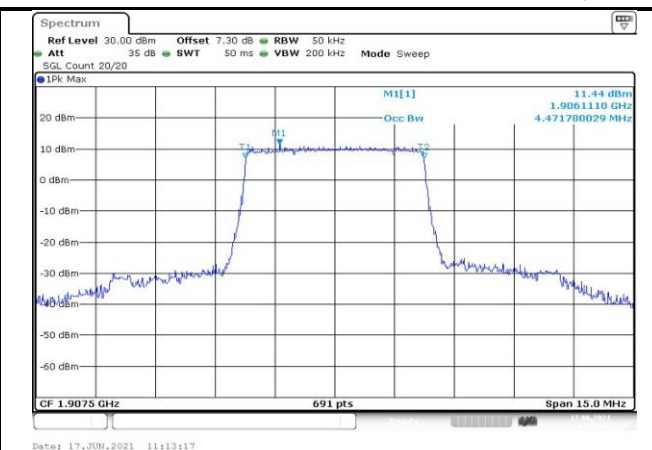
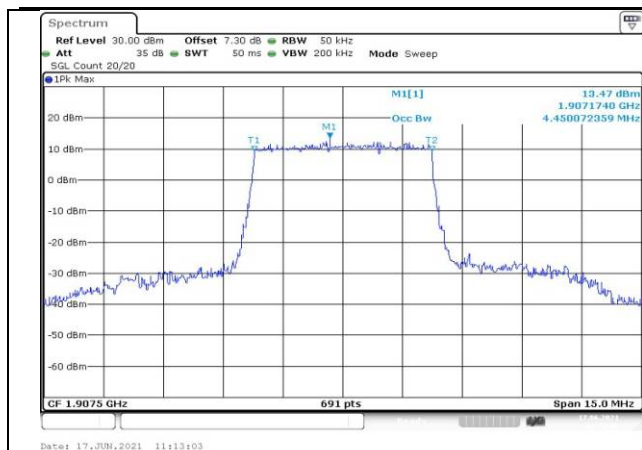


Fig.12







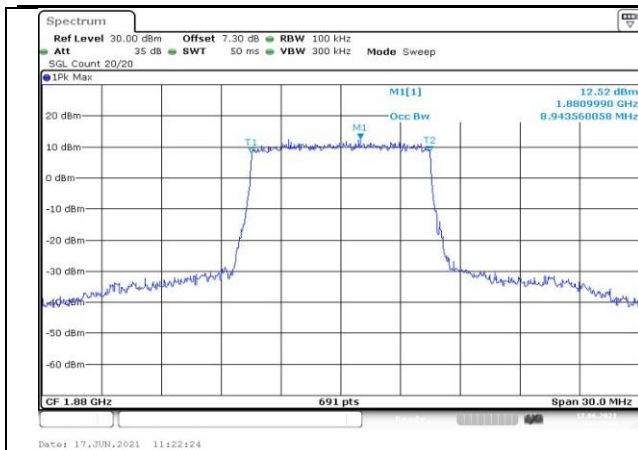


Fig.31

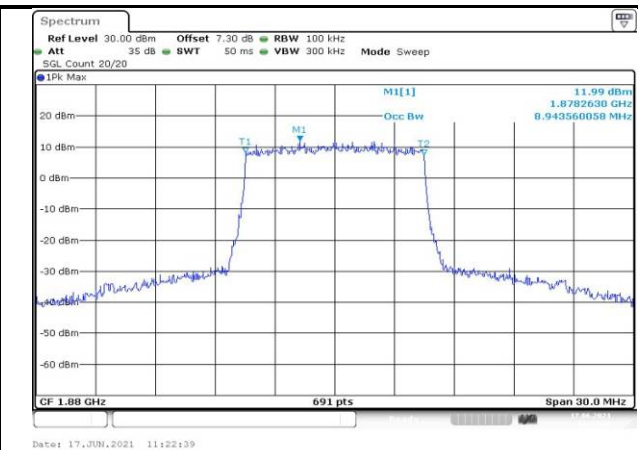


Fig.32

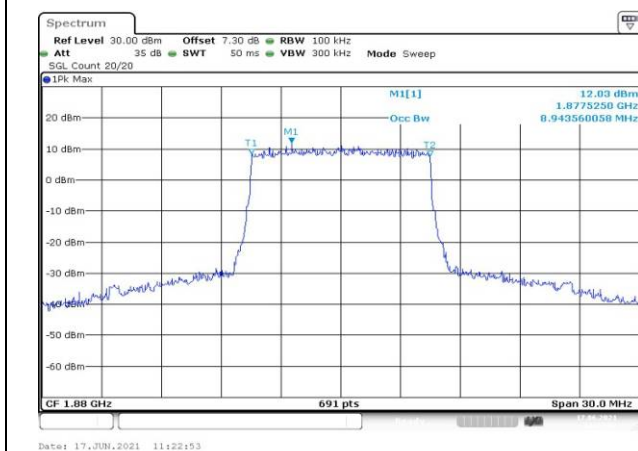


Fig.33

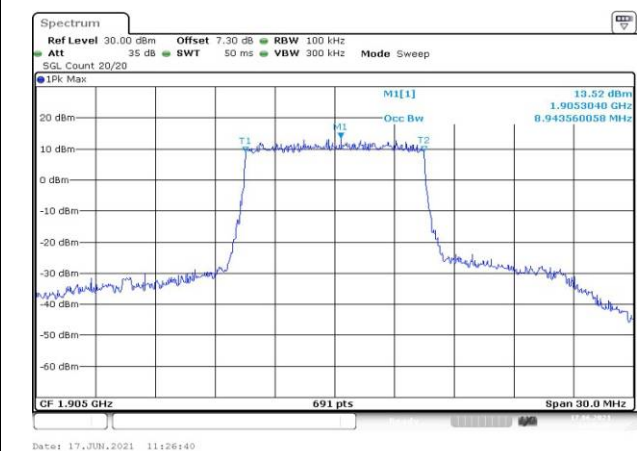


Fig.34

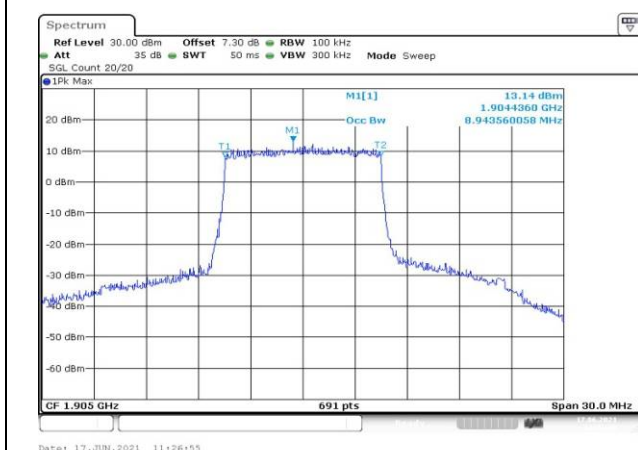


Fig.35

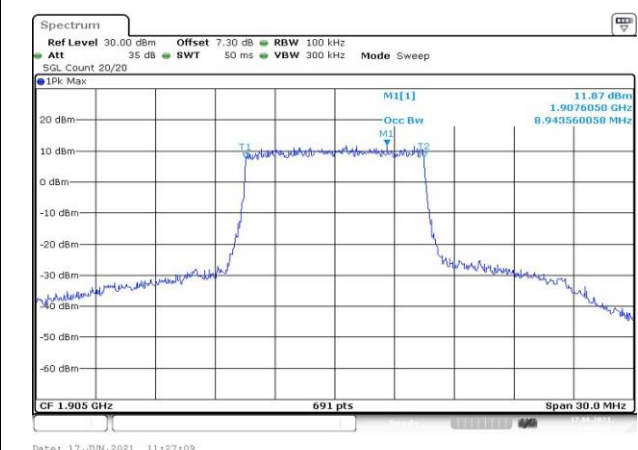


Fig.36

