

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 12 1 RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	699.7	23017	1.4	1	0	22.99	
				1	3	23.15	
				1	5	23.09	
				3	0	23.04	
				3	1	23.19	
				3	3	23.00	
	6	0		22.06			
	707.5	23095		1	0	23.05	
				1	3	23.08	
				1	5	22.93	
				3	0	23.17	
				3	1	23.08	
				3	3	23.04	
	6	0		22.05			
	715.3	23173		1	0	22.74	
				1	3	22.90	
				1	5	22.90	
				3	0	22.94	
				3	1	22.96	
				3	3	23.11	
	6	0		22.08			
	16QAM	699.7		23017	1	0	22.41
					1	3	22.44
					1	5	22.52
3					0	21.84	
3					1	22.16	
3					3	21.88	
6		0		21.22			
707.5		23095		1	0	21.83	
				1	3	21.92	
				1	5	21.91	
				3	0	22.22	
				3	1	22.22	
				3	3	22.24	
6		0		21.30			
715.3		23173		1	0	22.34	
				1	3	22.63	
				1	5	22.55	
				3	0	21.80	
				3	1	21.77	
				3	3	21.66	
6		0		21.22			

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	699.7	23017	1.4	1	0	21.94
				1	3	22.54
				1	5	22.49
				3	0	21.78
				3	1	21.79
				3	3	21.68
				6	0	21.06
	707.5	23095		1	0	22.01
				1	3	22.25
				1	5	22.15
				3	0	22.13
				3	1	22.02
				3	3	21.85
				6	0	20.97
	715.3	23173		1	0	22.17
				1	3	22.52
				1	5	22.24
				3	0	21.72
				3	1	21.81
				3	3	21.57
				6	0	20.76

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	700.5	23025	3	1	0	23.20
				1	8	23.27
				1	14	23.32
				8	0	22.23
				8	4	22.17
				8	7	22.09
				15	0	22.20
	707.5	23095		1	0	22.80
				1	8	22.70
				1	14	22.62
				8	0	21.55
				8	4	21.58
				8	7	21.54
				15	0	21.46
	714.5	23165		1	0	22.75
				1	8	22.63
				1	14	22.75
				8	0	21.58
				8	4	21.52
				8	7	21.54
				15	0	21.52
16QAM	700.5	23025	1	0	22.49	
			1	8	22.60	
			1	14	22.62	
			8	0	21.47	
			8	4	21.43	
			8	7	21.29	
			15	0	21.02	
	707.5	23095	1	0	21.89	
			1	8	21.99	
			1	14	21.65	
			8	0	20.47	
			8	4	20.33	
			8	7	20.32	
			15	0	20.32	
	714.5	23165	1	0	21.42	
			1	8	21.25	
			1	14	21.28	
			8	0	20.35	
			8	4	20.30	
			8	7	20.19	
			15	0	20.46	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	700.5	23025	3	1	0	21.53
				1	8	21.40
				1	14	21.35
				8	0	20.89
				8	4	21.03
				8	7	20.97
				15	0	20.81
	707.5	23095		1	0	21.72
				1	8	22.26
				1	14	21.90
				8	0	21.02
				8	4	20.98
				8	7	20.89
				15	0	20.89
	714.5	23165		1	0	21.51
				1	8	22.50
				1	14	22.40
				8	0	20.96
				8	4	21.17
				8	7	21.16
				15	0	20.70

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	701.5	23035	5	1	0	22.58	
				1	12	22.70	
				1	24	22.45	
				12	0	21.68	
				12	7	21.74	
				12	13	21.53	
				25	0	21.56	
	707.5	23095		1	0	23.08	
				1	12	23.07	
				1	24	22.61	
				12	0	21.88	
				12	7	21.90	
				12	13	21.81	
				25	0	21.72	
	713.5	23155		1	0	22.79	
				1	12	22.65	
				1	24	22.56	
				12	0	21.97	
				12	7	21.93	
				12	13	21.82	
				25	0	21.97	
	16QAM	701.5		23035	1	0	21.39
					1	12	21.30
					1	24	21.16
12					0	20.54	
12					7	20.57	
12					13	20.63	
25					0	20.57	
707.5		23095	1	0	21.66		
			1	12	21.98		
			1	24	21.47		
			12	0	20.79		
			12	7	20.75		
			12	13	20.69		
			25	0	20.84		
713.5		23155	1	0	21.93		
			1	12	22.35		
			1	24	21.80		
			12	0	21.00		
			12	7	21.01		
			12	13	20.78		
25	0	20.89					

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	701.5	23035	5	1	0	21.01
				1	12	22.17
				1	24	21.94
				12	0	20.61
				12	7	20.63
				12	13	20.52
				25	0	20.59
	707.5	23095		1	0	21.71
				1	12	22.09
				1	24	21.73
				12	0	20.72
				12	7	20.76
				12	13	20.68
				25	0	20.81
	713.5	23155		1	0	22.36
				1	12	22.28
				1	24	21.99
				12	0	20.91
				12	7	20.73
				12	13	20.86
				25	0	21.02

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	704	23060	10	1	0	22.93
				1	25	23.24
				1	49	23.23
				25	0	21.93
				25	12	22.12
				25	25	22.04
				50	0	22.05
	707.5	23095		1	0	22.79
				1	25	22.87
				1	49	22.59
				25	0	21.67
				25	12	21.78
				25	25	21.68
				50	0	21.71
	711	23130		1	0	23.46
				1	25	23.36
				1	49	23.08
				25	0	22.23
				25	12	22.16
				25	25	21.97
				50	0	22.02
16QAM	704	23060	1	0	22.05	
			1	25	22.28	
			1	49	22.06	
			25	0	21.05	
			25	12	20.99	
			25	25	20.86	
			50	0	20.79	
	707.5	23095	1	0	22.16	
			1	25	22.18	
			1	49	21.85	
			25	0	20.60	
			25	12	20.85	
			25	25	20.70	
			50	0	20.54	
	711	23130	1	0	22.19	
			1	25	22.17	
			1	49	21.72	
			25	0	21.02	
			25	12	20.97	
			25	25	20.89	
			50	0	20.80	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	704	23060	10	1	0	21.93
				1	25	22.01
				1	49	21.87
				25	0	21.00
				25	12	21.21
				25	25	20.97
				50	0	20.99
	707.5	23095		1	0	21.76
				1	25	22.15
				1	49	21.42
				25	0	20.93
				25	12	21.02
				25	25	21.08
				50	0	20.80
	711	23130		1	0	21.91
				1	25	22.01
				1	49	21.99
				25	0	21.12
				25	12	21.08
				25	25	21.11
				50	0	21.09

2 Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
12	699.7	23017	1.4	6	0	1.082	Fig.1	1.082	Fig.2	---	---
	707.5	23095		6	0	1.088	Fig.3	1.088	Fig.4	1.082	Fig.5
	715.3	23173		6	0	1.088	Fig.6	1.082	Fig.7	1.088	Fig.8
	700.5	23025	3	15	0	2.683	Fig.9	2.683	Fig.10	2.683	Fig.11
	707.5	23095		15	0	2.683	Fig.12	2.683	Fig.13	2.683	Fig.14
	714.5	23165		15	0	2.683	Fig.15	2.683	Fig.16	2.683	Fig.17
	701.5	23035	5	25	0	4.472	Fig.18	4.472	Fig.19	4.472	Fig.20
	707.5	23095		25	0	4.472	Fig.21	4.472	Fig.22	4.472	Fig.23
	713.5	23155		25	0	4.472	Fig.24	4.472	Fig.25	4.450	Fig.26
	704	23060	10	50	0	8.944	Fig.27	8.944	Fig.28	8.944	Fig.29
	707.5	23095		50	0	8.944	Fig.30	8.944	Fig.31	8.944	Fig.32
	711	23130		50	0	8.944	Fig.33	8.944	Fig.34	8.944	Fig.35

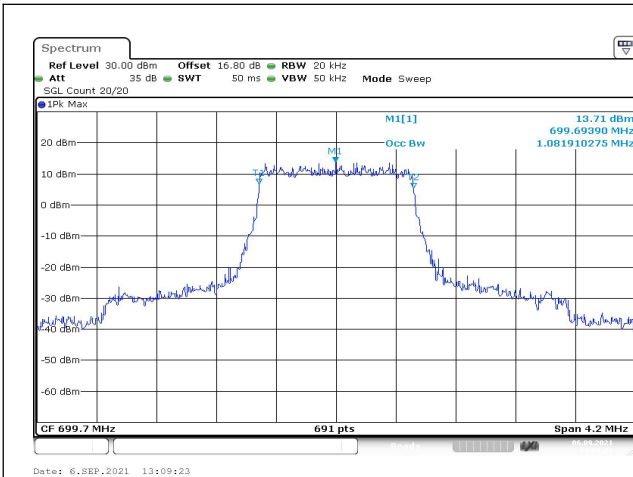


Fig.1

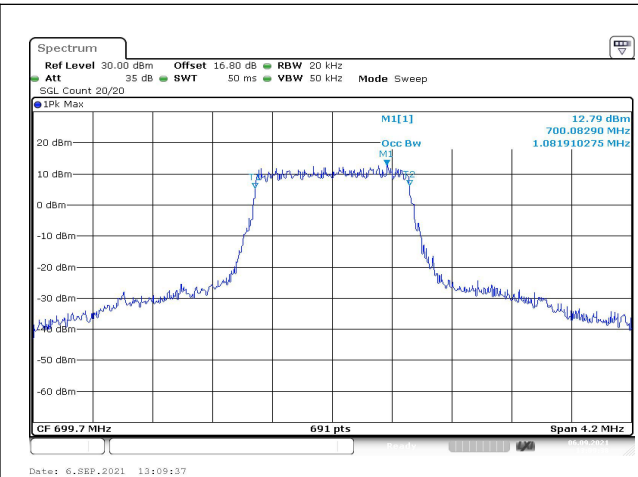


Fig.2

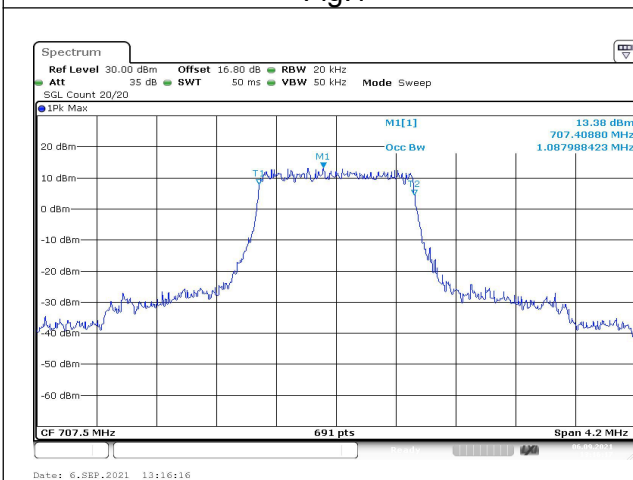


Fig.3

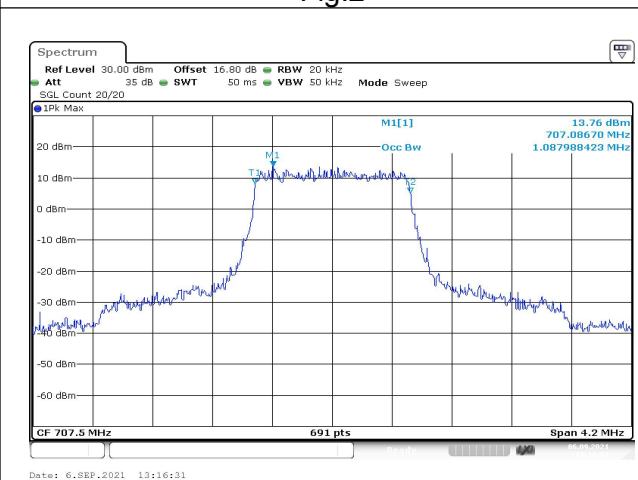


Fig.4

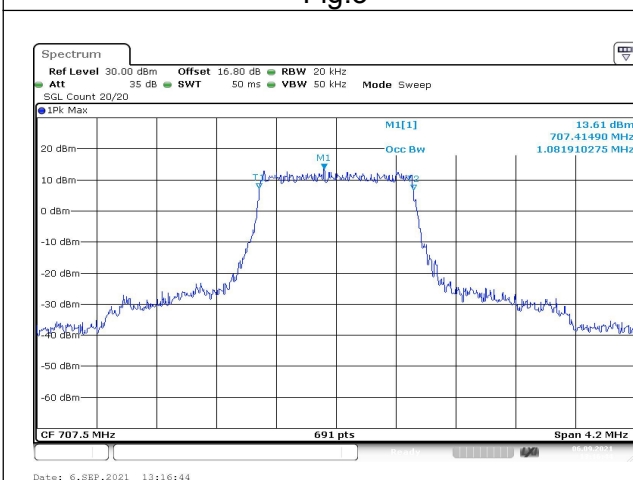


Fig.5

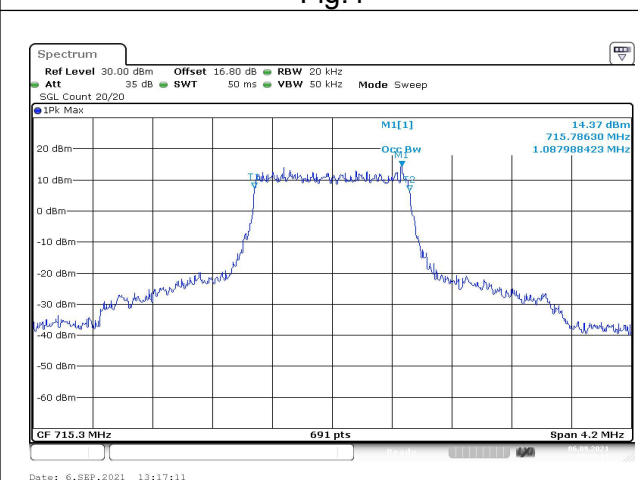


Fig.6

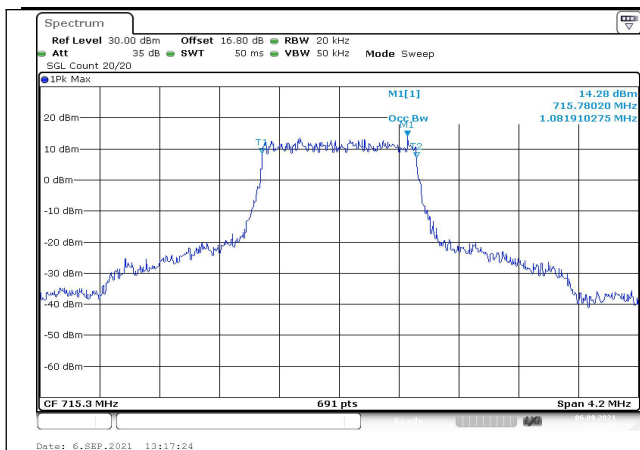


Fig.7

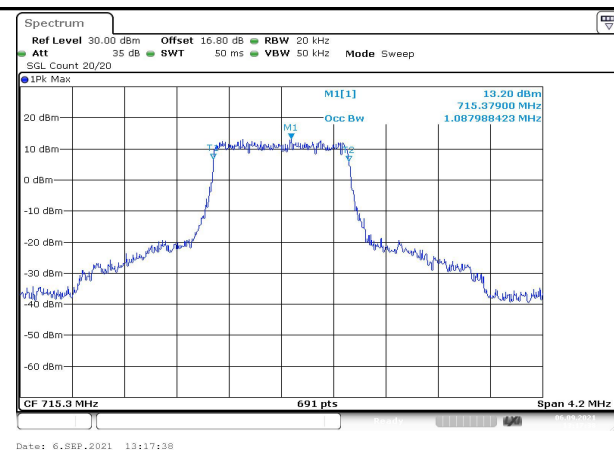


Fig.8

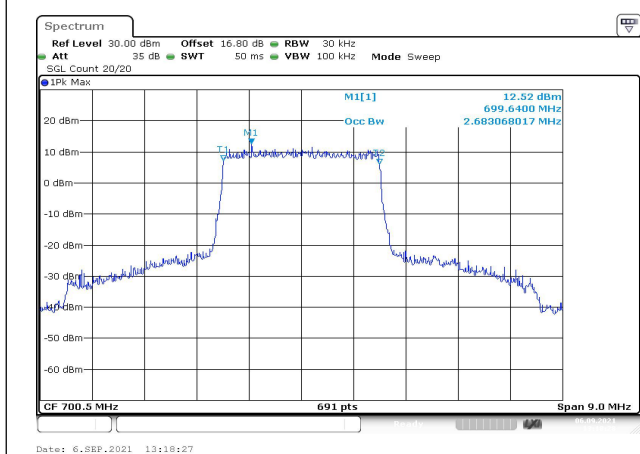


Fig.9

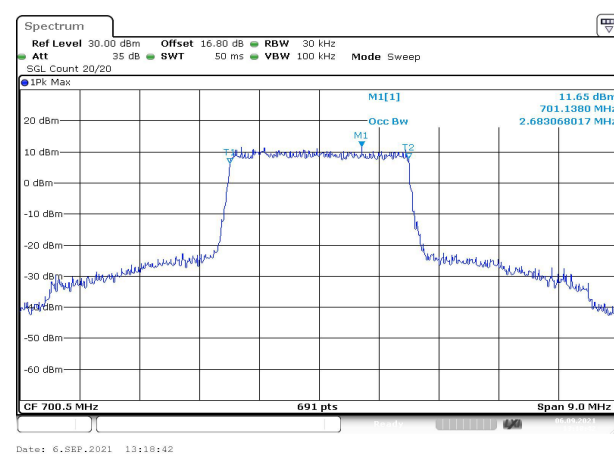


Fig.10

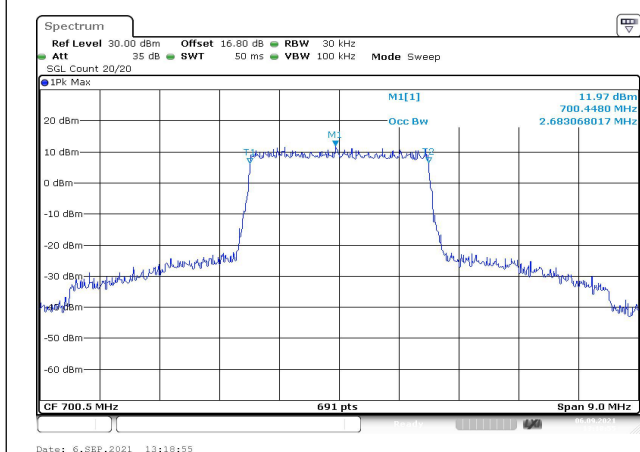


Fig.11

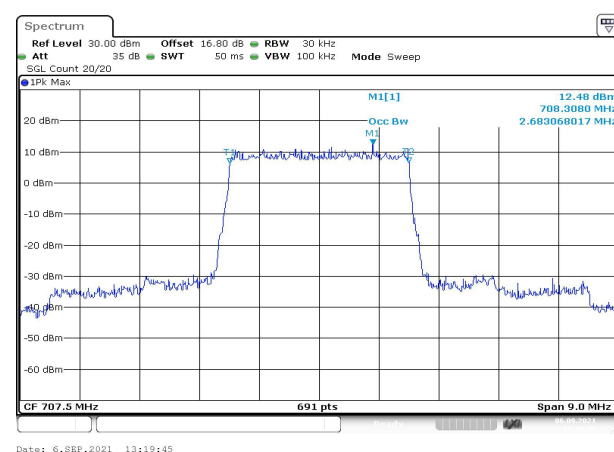


Fig.12

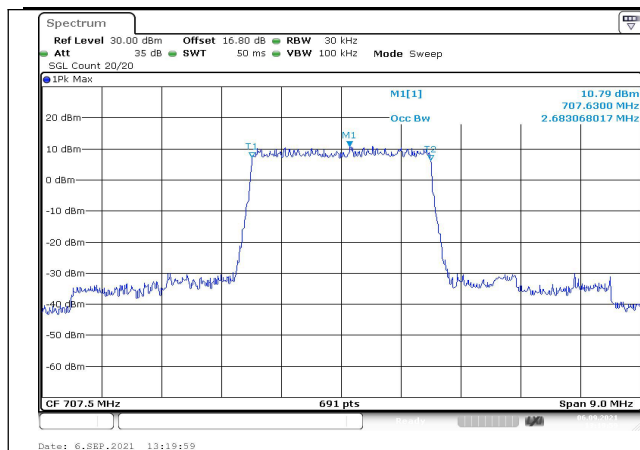


Fig.13

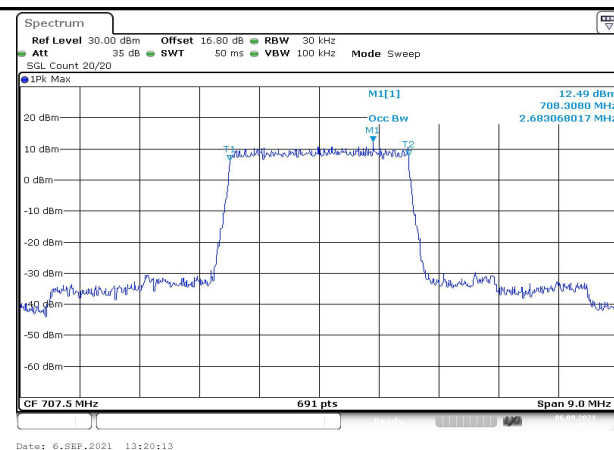


Fig.14

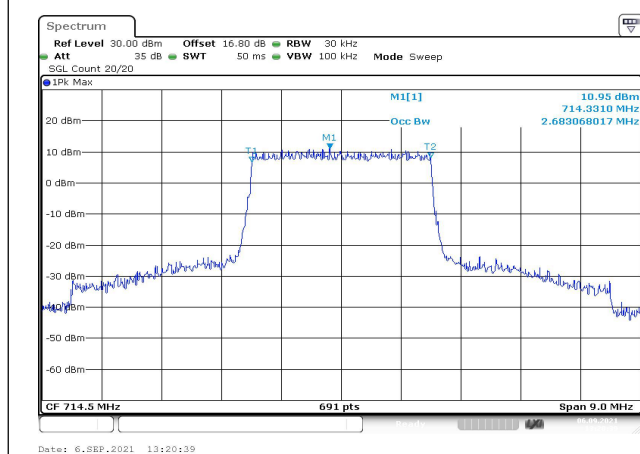


Fig.15

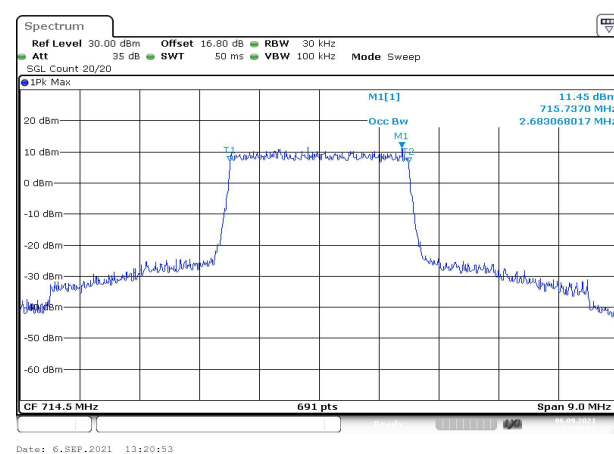


Fig.16

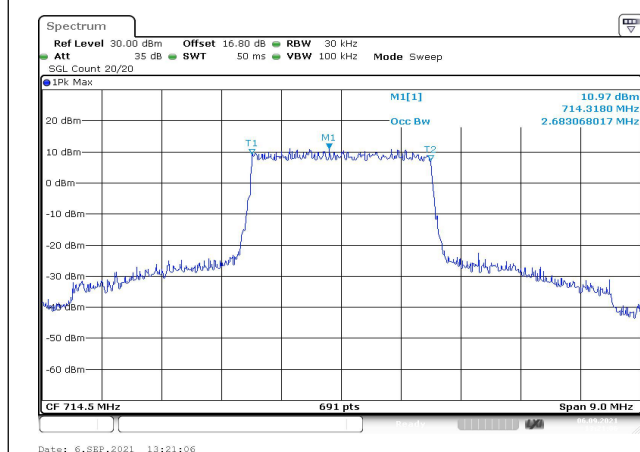


Fig.17

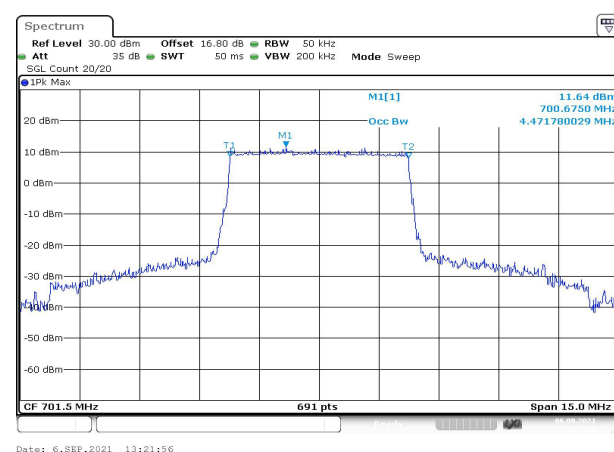
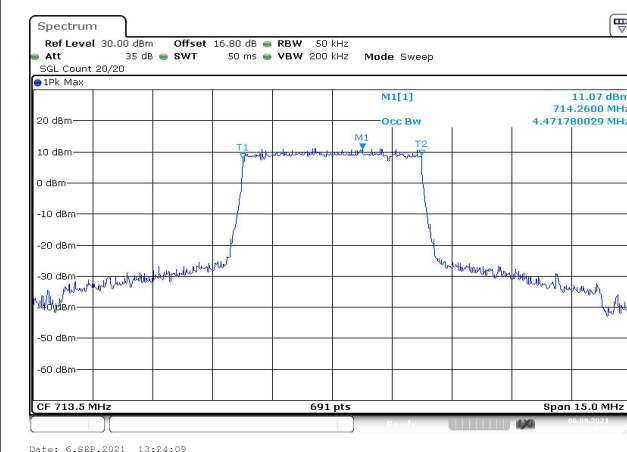
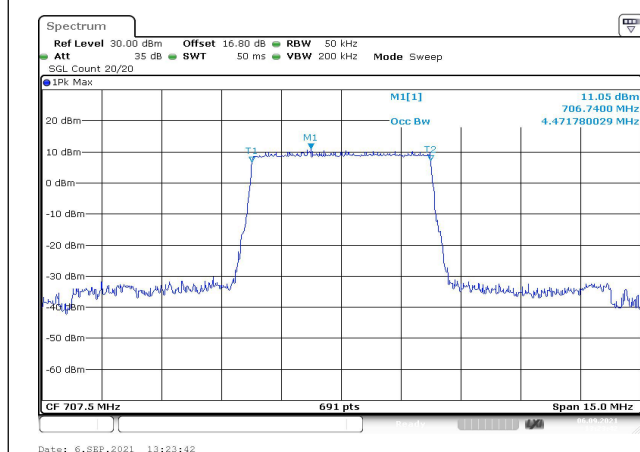
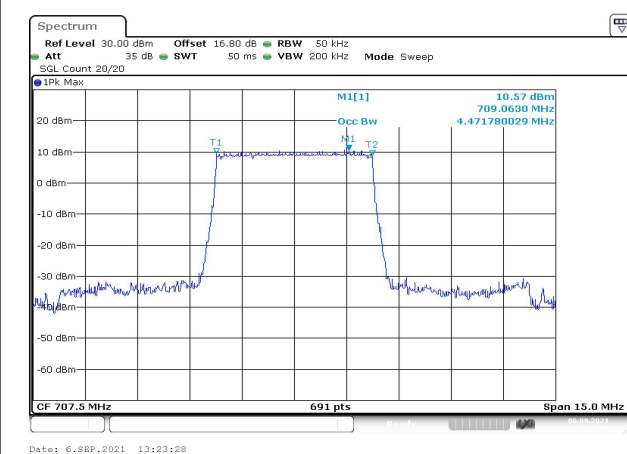
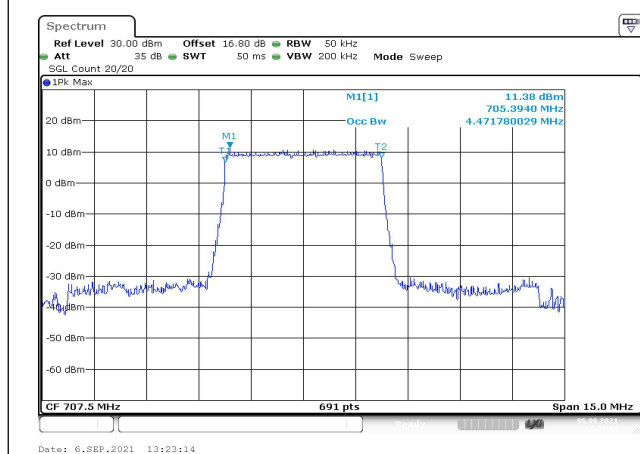
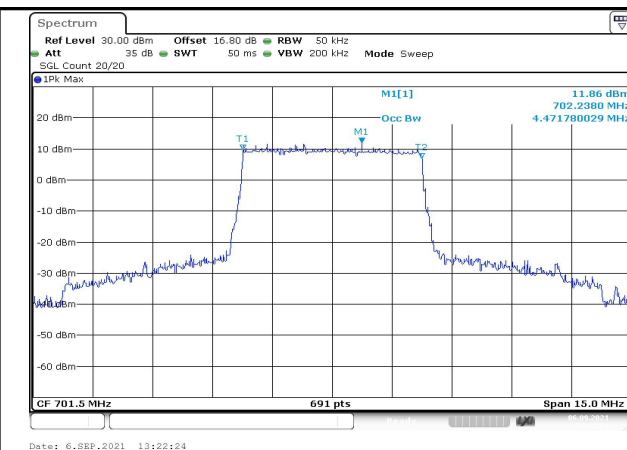
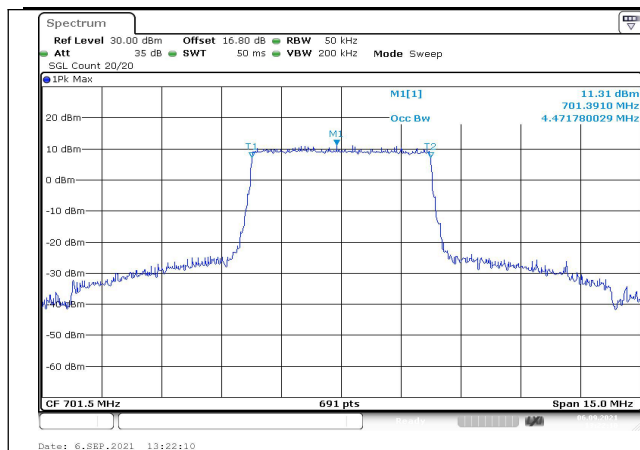


Fig.18



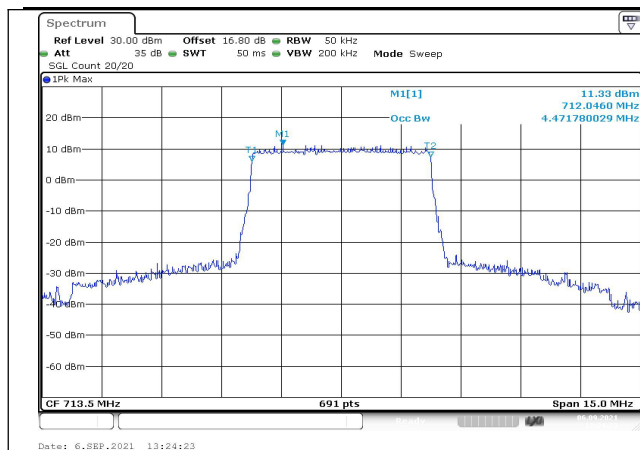


Fig.25

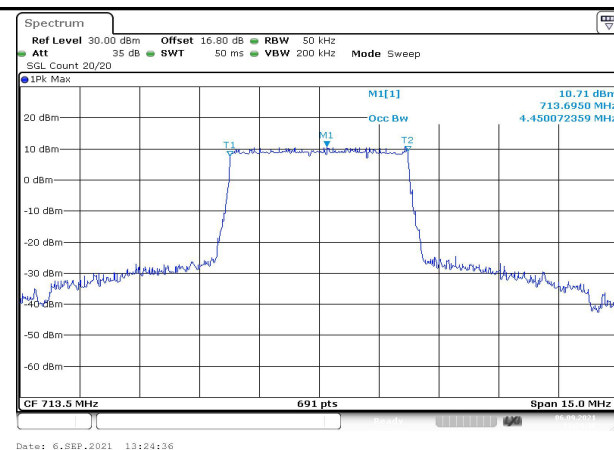


Fig.26

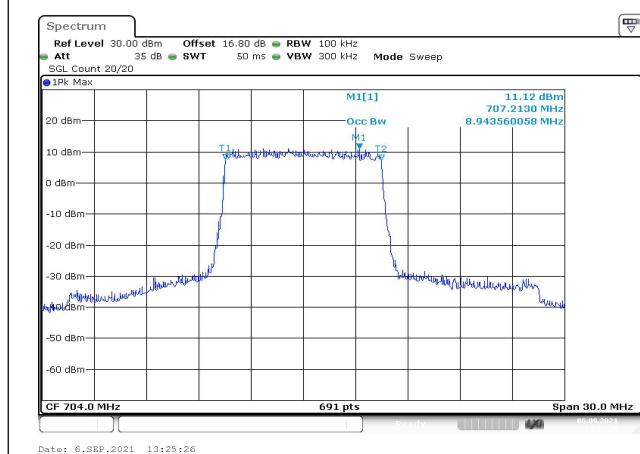


Fig.27

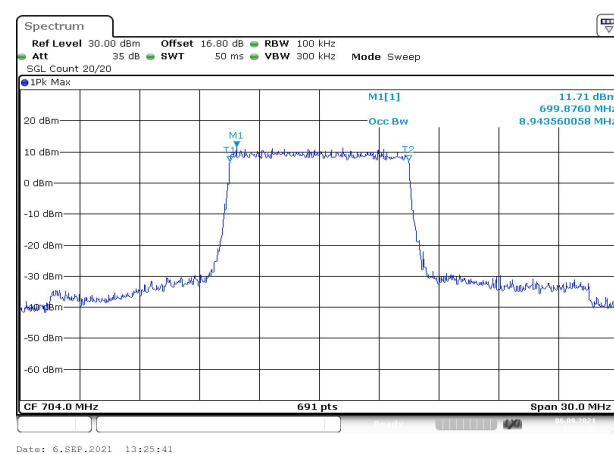


Fig.28

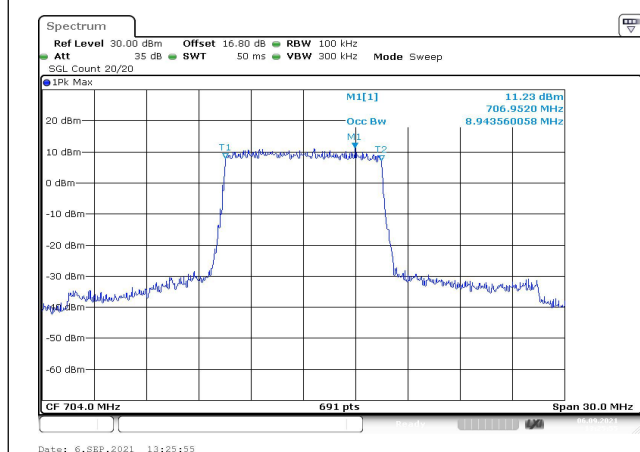


Fig.29

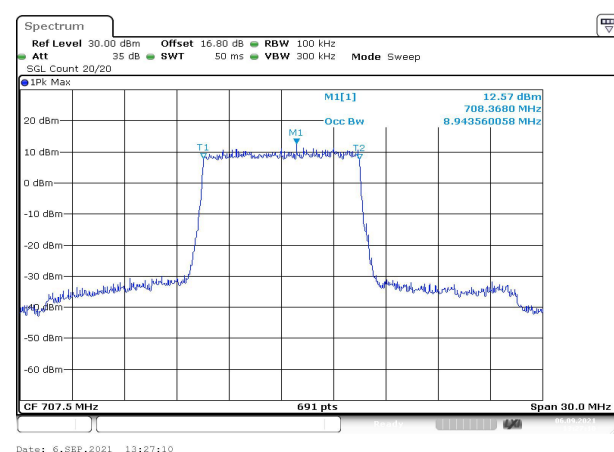


Fig.30