

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 41

RF Power Output

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2498.5	39675	5	1	0	23.59
				1	12	23.50
				1	24	23.48
				12	0	22.58
				12	7	22.56
				12	13	22.56
				25	0	22.49
	2593	40620		1	0	23.21
				1	12	23.29
				1	24	23.29
				12	0	22.30
				12	7	22.30
				12	13	22.30
				25	0	22.31
	2687.5	41565		1	0	23.41
				1	12	23.28
				1	24	23.35
				12	0	22.41
				12	7	22.48
				12	13	22.41
				25	0	22.51
16QAM	2498.5	39675	1	0	23.08	
			1	12	22.97	
			1	24	22.99	
			12	0	21.61	
			12	7	21.57	
			12	13	21.50	
			25	0	21.60	
	2593	40620	1	0	22.43	
			1	12	22.52	
			1	24	22.52	
			12	0	21.30	
			12	7	21.29	
			12	13	21.29	
			25	0	21.32	
	2687.5	41565	1	0	22.71	
			1	12	22.76	
			1	24	22.76	
			12	0	21.50	
			12	7	21.47	
			12	13	21.47	
			25	0	21.46	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2498.5	39675	5	1	0	21.60
				1	12	21.59
				1	24	21.57
				12	0	21.57
				12	7	21.56
				12	13	21.61
				25	0	21.57
	2593	40620		1	0	21.27
				1	12	21.33
				1	24	21.26
				12	0	21.32
				12	7	21.25
				12	13	21.25
				25	0	21.33
	2687.5	41565		1	0	21.43
				1	12	21.47
				1	24	21.49
				12	0	21.46
				12	7	21.49
				12	13	21.51
				25	0	21.46

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2501	39700	10	1	0	23.59
				1	25	23.45
				1	49	23.47
				25	0	22.76
				25	12	22.65
				25	25	22.64
				50	0	22.72
	2593	40620		1	0	23.39
				1	25	23.34
				1	49	23.30
				25	0	22.38
				25	12	22.41
				25	25	22.43
				50	0	22.45
	2685	41540		1	0	23.54
				1	25	23.55
				1	49	23.52
				25	0	22.52
				25	12	22.57
				25	25	22.58
				50	0	22.45
16QAM	2501	39700	1	0	23.15	
			1	25	23.02	
			1	49	23.45	
			25	0	21.82	
			25	12	21.77	
			25	25	21.76	
			50	0	21.77	
	2593	40620	1	0	22.36	
			1	25	22.40	
			1	49	22.33	
			25	0	21.33	
			25	12	21.38	
			25	25	21.42	
			50	0	21.29	
	2685	41540	1	0	22.52	
			1	25	22.64	
			1	49	22.43	
			25	0	21.53	
			25	12	21.44	
			25	25	21.57	
			50	0	21.54	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2501	39700	10	1	0	21.73
				1	25	21.72
				1	49	21.72
				25	0	21.72
				25	12	21.72
				25	25	21.76
				50	0	21.72
	2593	40620		1	0	21.36
				1	25	21.36
				1	49	21.34
				25	0	21.35
				25	12	21.34
				25	25	21.31
				50	0	21.35
	2685	41540		1	0	21.51
				1	25	21.48
				1	49	21.59
				25	0	21.54
				25	12	21.52
				25	25	21.50
				50	0	21.54

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	2507.5	39725	15	1	0	23.42
				1	37	23.31
				1	74	23.24
				36	0	22.54
				36	29	22.53
				36	30	22.51
				75	0	22.55
	2593	40620		1	0	23.11
				1	37	23.14
				1	74	23.10
				36	0	22.21
				36	29	22.27
				36	30	22.30
				75	0	22.15
	2682.5	41515		1	0	23.51
				1	37	23.51
				1	74	23.49
				36	0	22.42
				36	29	22.52
				36	30	22.44
				75	0	22.39
16QAM	2507.5	39725	1	0	22.87	
			1	37	22.73	
			1	74	22.73	
			36	0	21.51	
			36	29	21.54	
			36	30	21.54	
			75	0	21.54	
	2593	40620	1	0	22.20	
			1	37	22.26	
			1	74	22.27	
			36	0	21.19	
			36	29	21.23	
			36	30	21.24	
			75	0	21.19	
	2682.5	41515	1	0	22.41	
			1	37	22.43	
			1	74	22.40	
			36	0	21.43	
			36	29	21.48	
			36	30	21.47	
			75	0	21.37	

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2507.5	39725	15	1	0	21.54
				1	37	21.60
				1	74	21.54
				36	0	21.53
				36	29	21.63
				36	30	21.63
				75	0	21.56
	2593	40620		1	0	21.20
				1	37	21.24
				1	74	21.19
				36	0	21.20
				36	29	21.24
				36	30	21.24
				75	0	21.30
	2682.5	41515		1	0	21.37
				1	37	21.36
				1	74	21.37
				36	0	21.44
				36	29	21.41
				36	30	21.38
				75	0	21.37

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	
QPSK	2506	39750	20	1	0	23.43	
				1	49	23.33	
				1	99	23.36	
				50	0	22.56	
				50	24	22.51	
				50	50	22.44	
				100	0	22.52	
	2593	40620		1	0	23.19	
				1	49	23.26	
				1	99	23.28	
				50	0	22.25	
				50	24	22.30	
				50	50	22.22	
				100	0	22.24	
	2680	41490		1	0	23.24	
				1	49	23.39	
				1	99	23.45	
				50	0	22.27	
				50	24	22.42	
				50	50	22.43	
				100	0	22.37	
	16QAM	2506		39750	1	0	22.76
					1	49	22.58
					1	99	22.57
50					0	21.56	
50					24	21.42	
50					50	21.49	
100					0	21.49	
2593		40620		1	0	22.36	
				1	49	22.37	
			1	99	22.37		
			50	0	21.18		
			50	24	21.22		
			50	50	21.24		
			100	0	21.22		
2680		41490	1	0	21.91		
			1	49	22.04		
			1	99	22.04		
			50	0	21.33		
			50	24	21.50		
			50	50	21.53		
			100	0	21.44		

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
64QAM	2506	39750	20	1	0	21.45
				1	49	21.52
				1	99	21.56
				50	0	21.59
				50	24	21.53
				50	50	21.46
				100	0	21.57
	2593	40620		1	0	21.27
				1	49	21.26
				1	99	21.23
				50	0	21.26
				50	24	21.26
				50	50	21.26
				100	0	21.26
	2680	41490		1	0	21.36
				1	49	21.43
				1	99	21.42
				50	0	21.42
				50	24	21.39
				50	50	21.39
				100	0	21.39

Occupied Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
41	2498.5	39675	5	25	0	4.472	Fig.1	4.472	Fig.2	4.472	Fig.3
	2593	40620		25	0	4.472	Fig.4	4.472	Fig.5	4.472	Fig.6
	2687.5	41565		25	0	4.472	Fig.7	4.472	Fig.8	4.472	Fig.9
	2501	39700	10	50	0	8.915	Fig.10	8.915	Fig.11	8.915	Fig.12
	2593	40620		50	0	8.915	Fig.13	8.915	Fig.14	8.915	Fig.15
	2685	41540		50	0	8.915	Fig.16	8.915	Fig.17	8.915	Fig.18
	2507.5	39725	15	75	0	13.415	Fig.19	13.459	Fig.20	13.459	Fig.21
	2593	40620		75	0	13.459	Fig.22	13.412	Fig.23	13.459	Fig.24
	2682.5	41515		75	0	13.459	Fig.25	13.459	Fig.26	13.459	Fig.27
	2506	39750	20	100	0	17.887	Fig.28	17.887	Fig.29	17.887	Fig.30
	2593	40620		100	0	17.829	Fig.31	17.887	Fig.32	17.887	Fig.33
	2680	41490		100	0	17.887	Fig.34	17.945	Fig.35	17.945	Fig.36

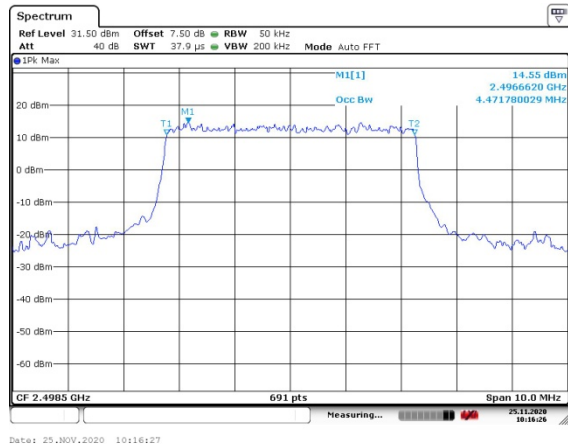


Fig.1

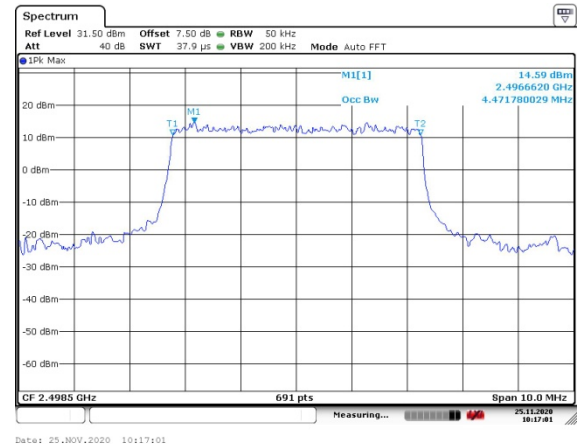


Fig.2

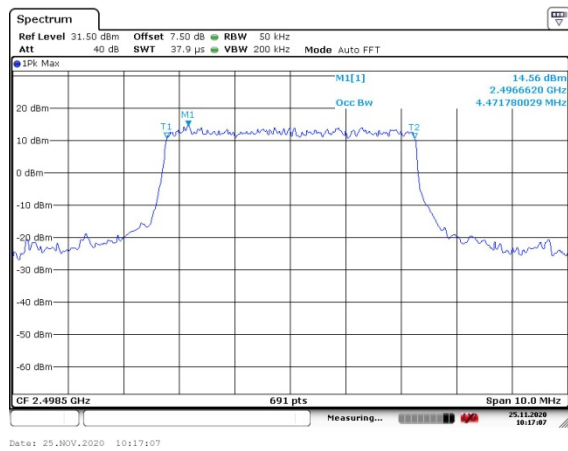


Fig.3

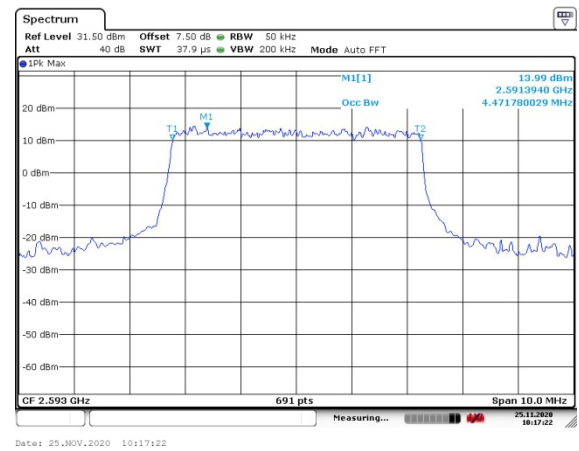


Fig.4

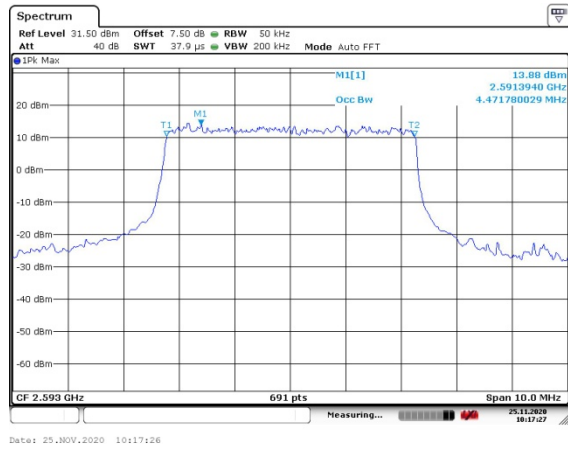


Fig.5

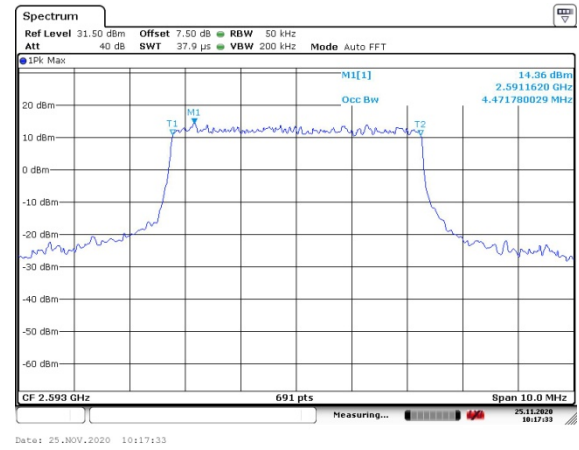


Fig.6

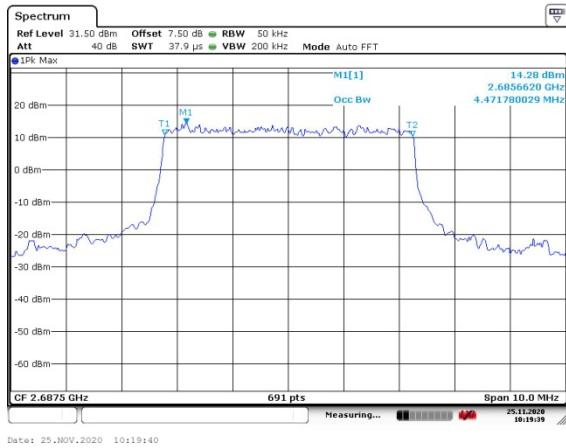


Fig.7

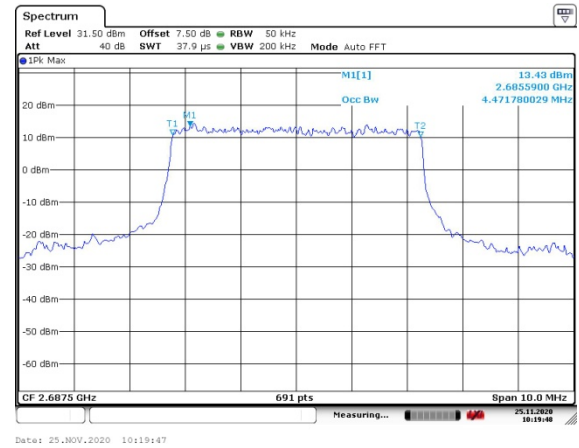


Fig.8

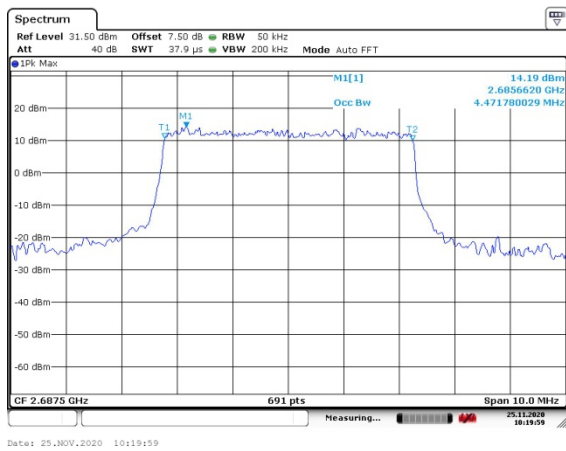


Fig.9

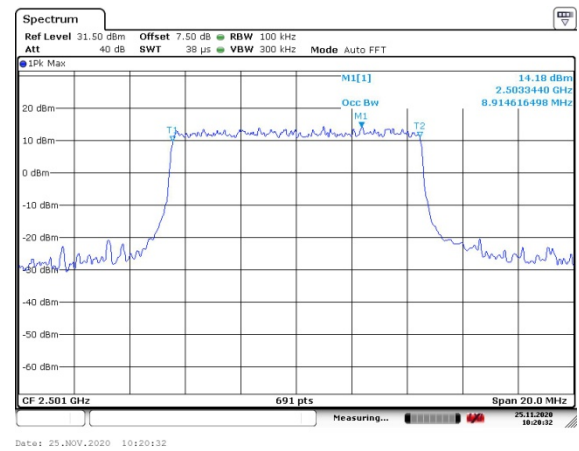


Fig.10

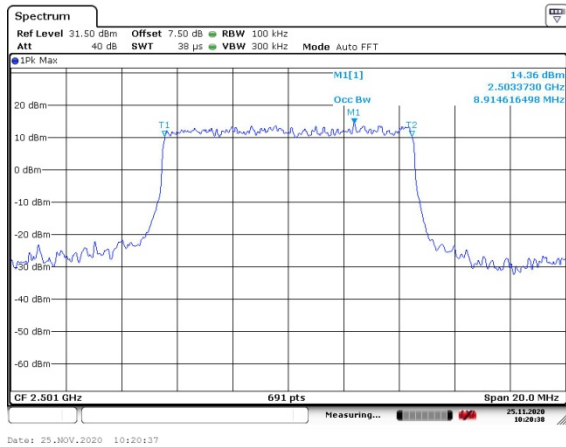


Fig.11

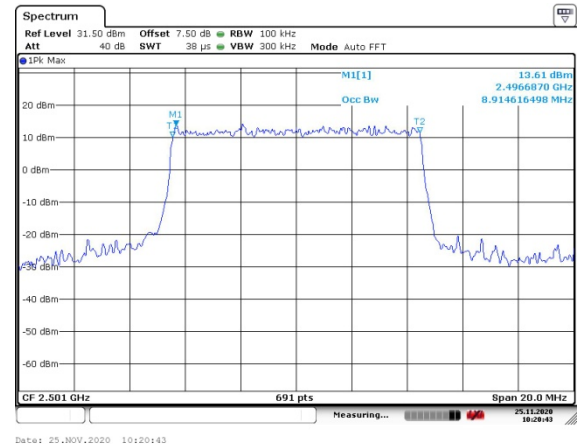


Fig.12

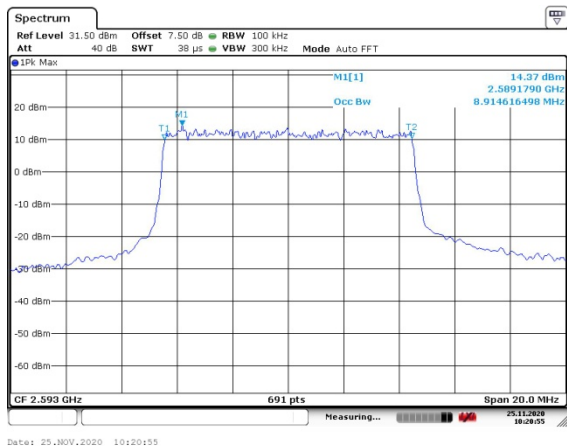


Fig.13

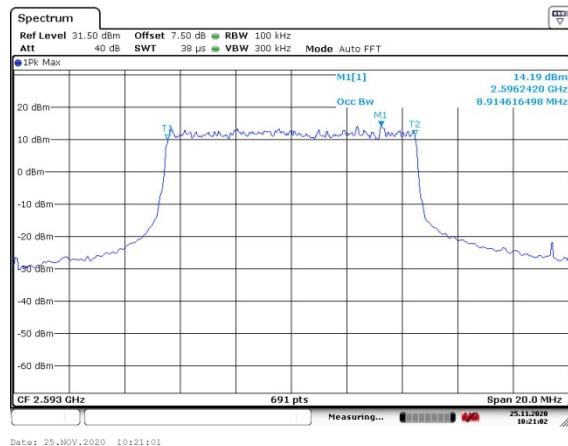


Fig.14

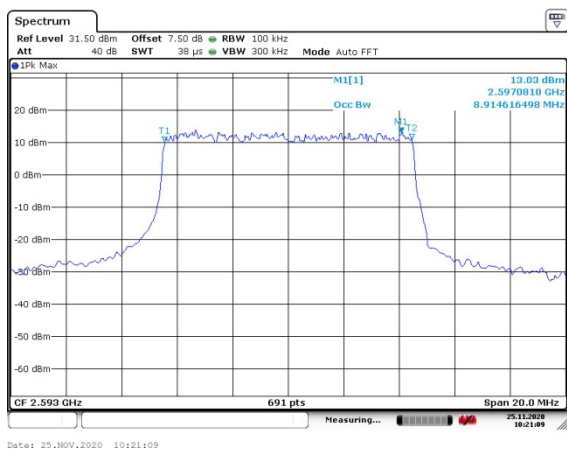


Fig.15

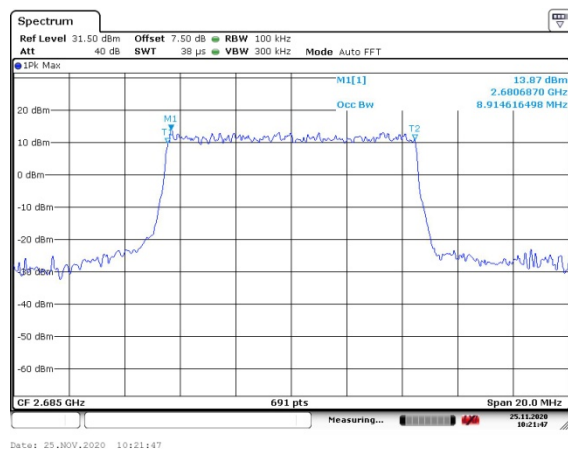


Fig.16

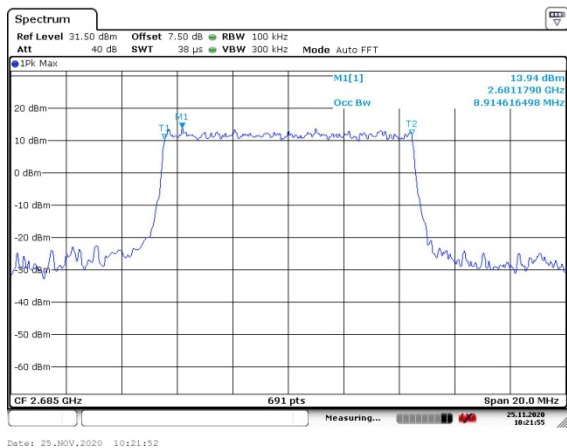


Fig.17

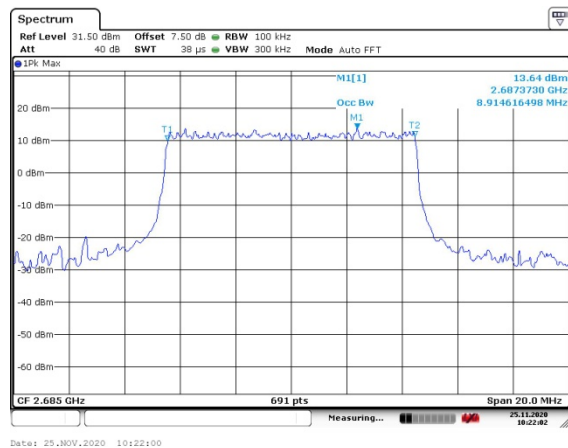


Fig.18

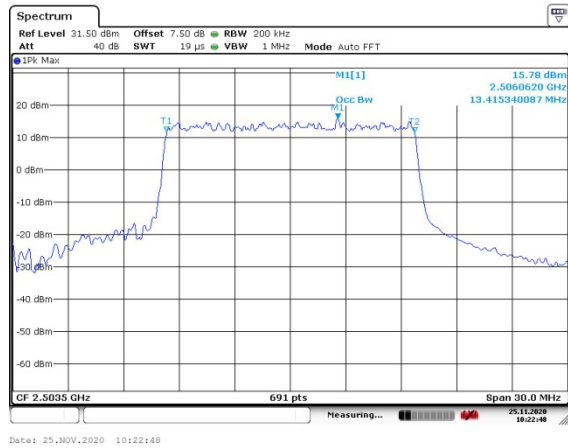


Fig.19

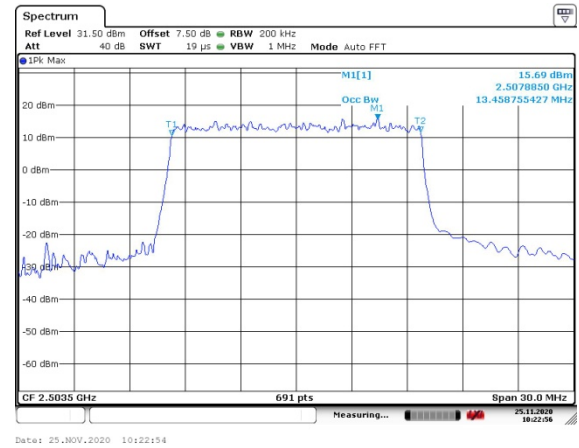


Fig.20

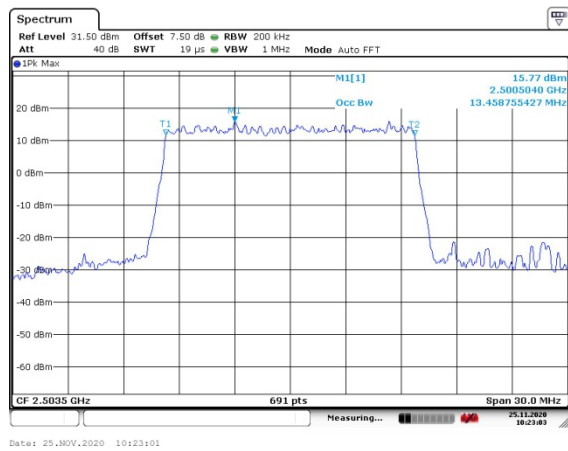


Fig.21

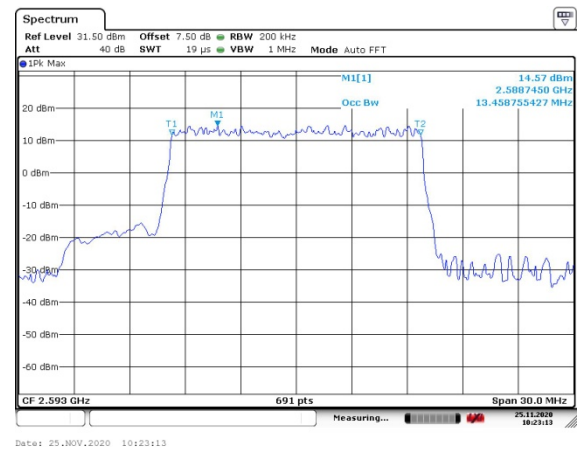


Fig.22

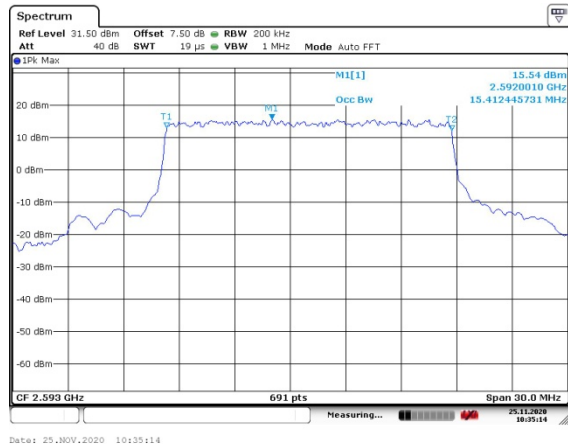


Fig.23

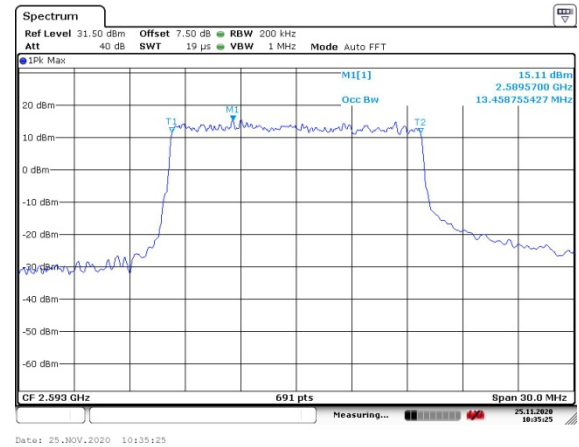


Fig.24

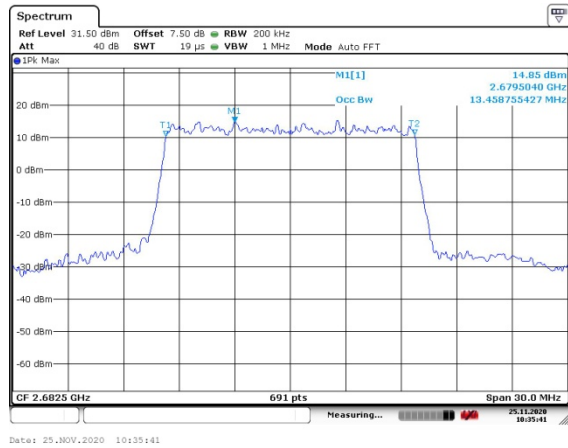


Fig.25

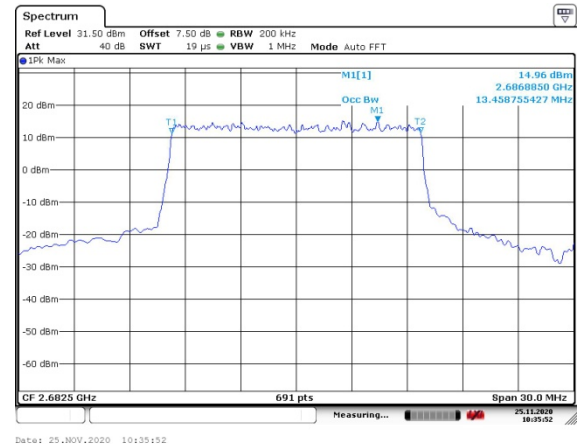


Fig.26

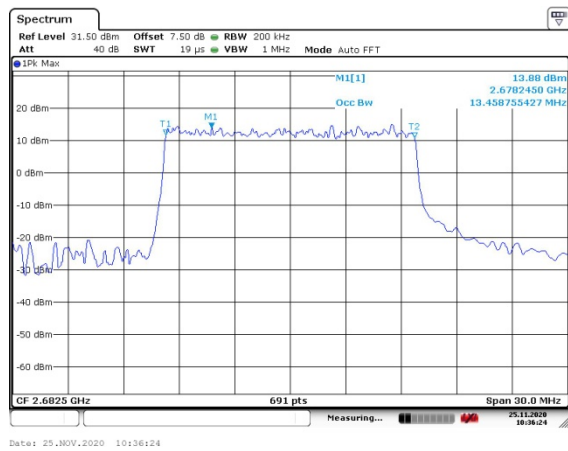


Fig.27

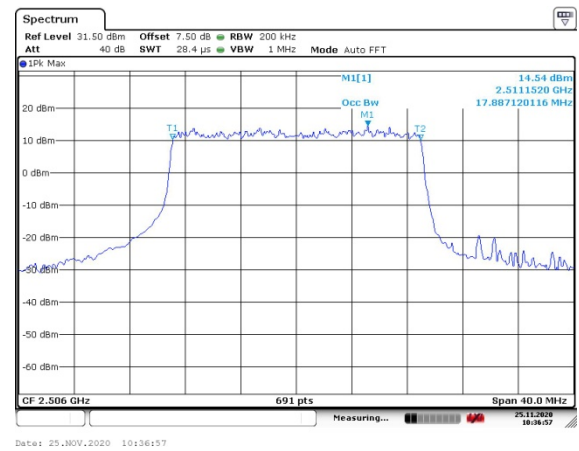


Fig.28

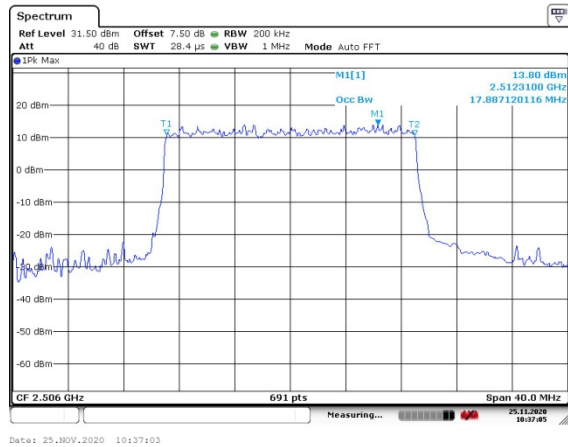


Fig.29

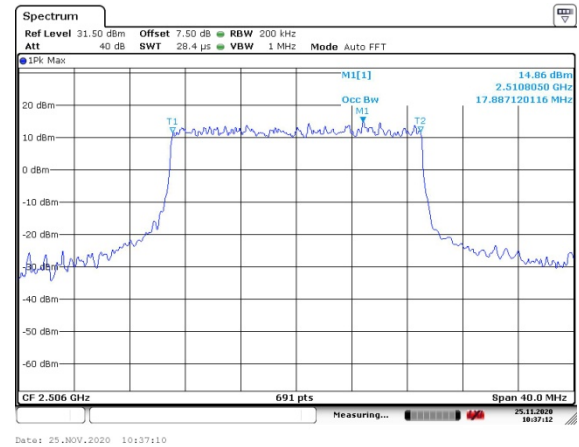


Fig.30

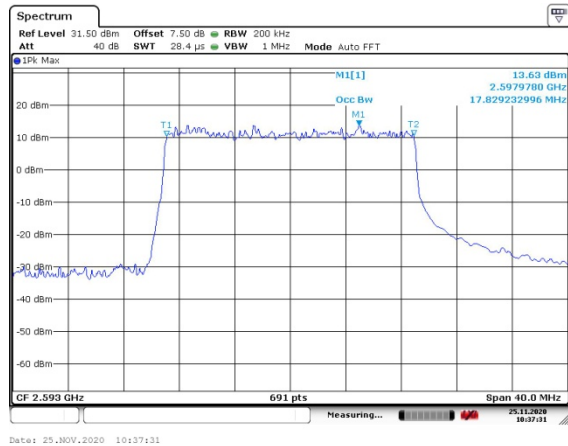


Fig.31

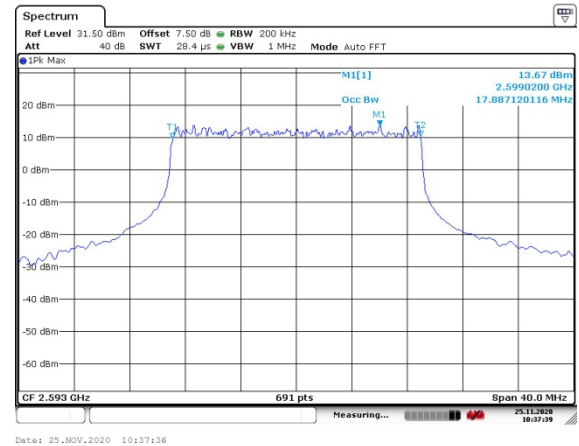


Fig.32

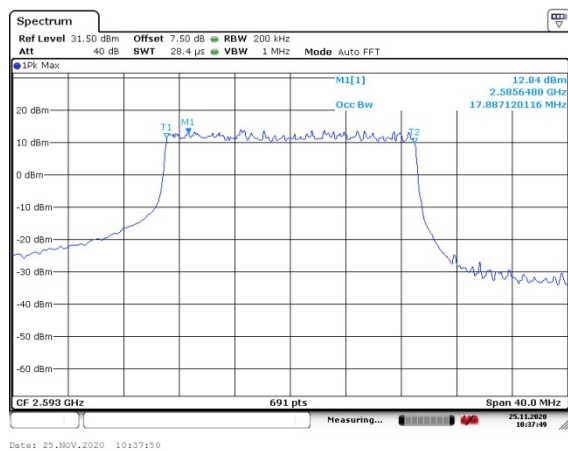


Fig.33

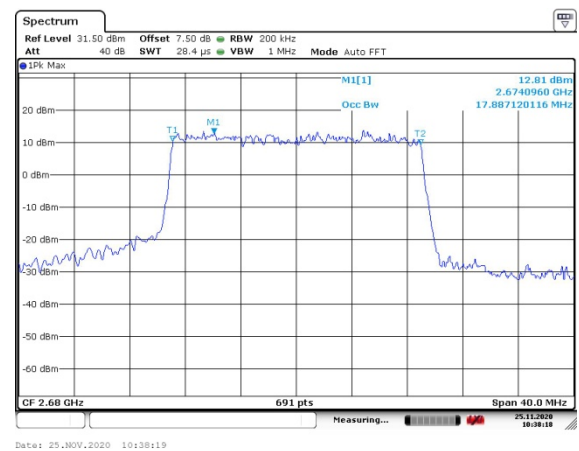


Fig.34

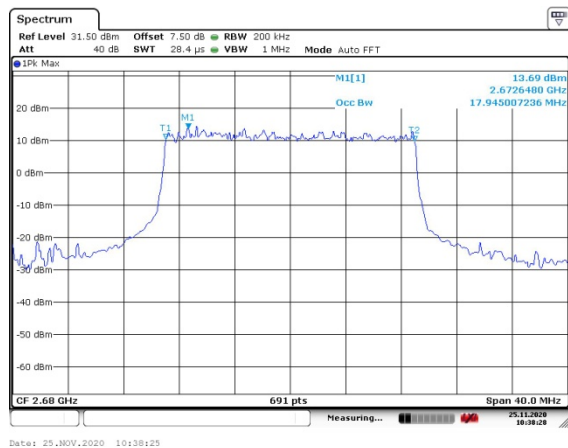


Fig.35

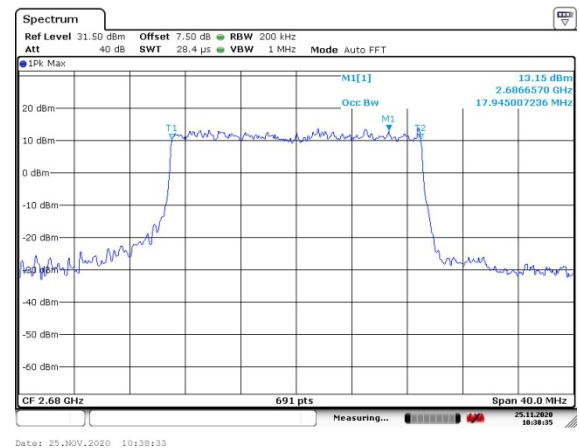


Fig.36

Emission Bandwidth

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
41	2498.5	39675	5	25	0	4.964	Fig.1	4.978	Fig.2	4.935	Fig.3
	2593	40620		25	0	4.906	Fig.4	4.964	Fig.5	4.949	Fig.6
	2687.5	41565		25	0	4.887	Fig.7	4.891	Fig.8	4.920	Fig.9
	2501	39700	10	50	0	9.580	Fig.10	9.638	Fig.11	9.638	Fig.12
	2593	40620		50	0	9.638	Fig.13	9.638	Fig.14	9.696	Fig.15
	2685	41540		50	0	9.580	Fig.16	9.580	Fig.17	9.551	Fig.18
	2507.5	39725	15	75	0	14.501	Fig.19	14.588	Fig.20	14.327	Fig.21
	2593	40620		75	0	14.414	Fig.22	14.370	Fig.23	14.414	Fig.24
	2682.5	41515		75	0	14.761	Fig.25	14.544	Fig.26	14.501	Fig.27
	2506	39750	20	100	0	19.276	Fig.28	19.103	Fig.29	19.045	Fig.30
	2593	40620		100	0	19.334	Fig.31	19.103	Fig.32	19.219	Fig.33
	2680	41490		100	0	19.334	Fig.34	19.334	Fig.35	18.987	Fig.36

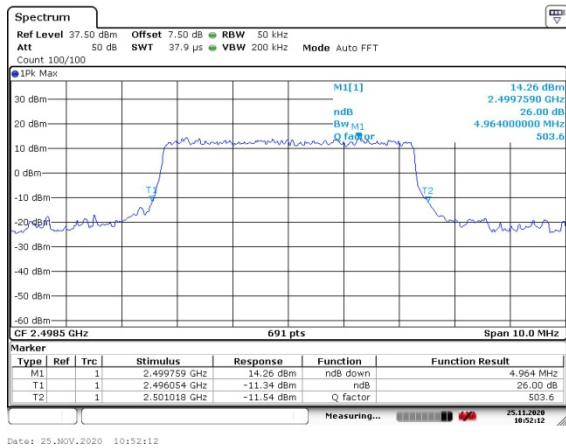


Fig.1

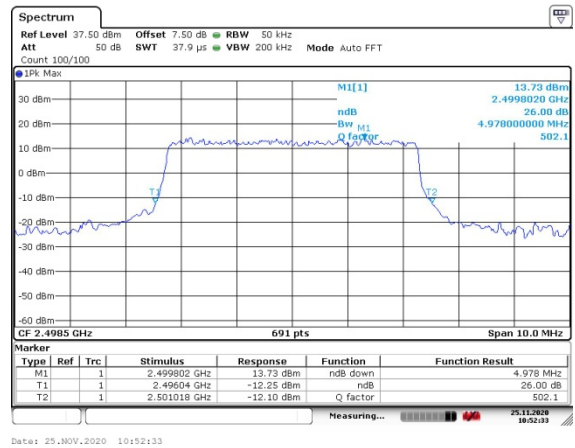


Fig.2

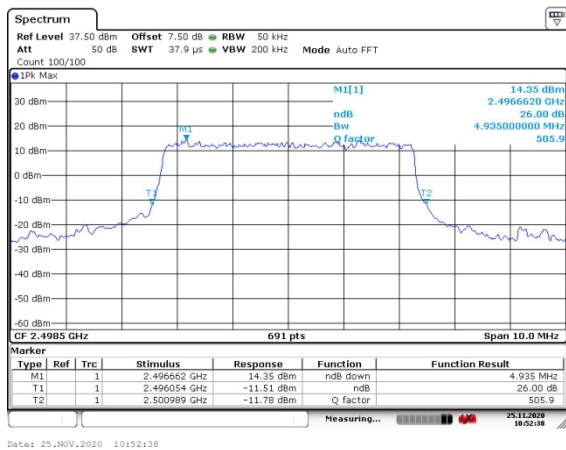


Fig.3

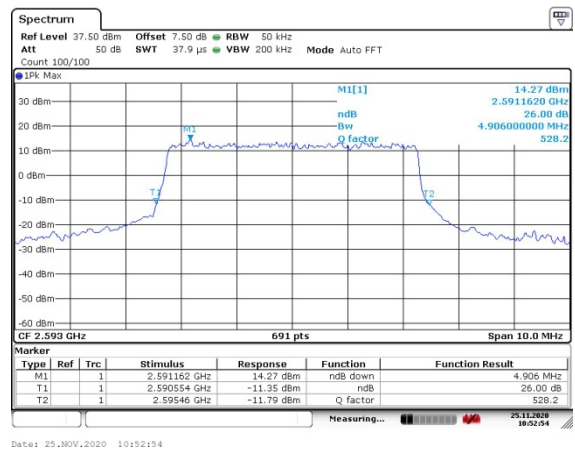


Fig.4

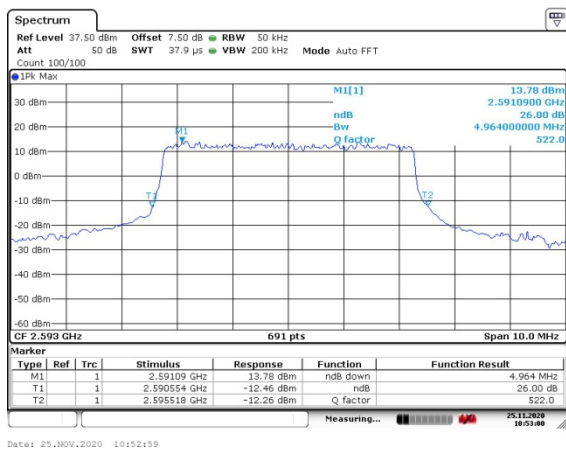


Fig.5

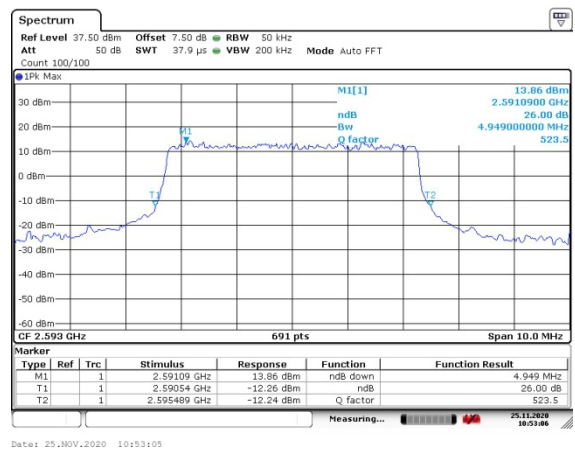


Fig.6