Appendix for 5G NR n38

Model: LGE-NX9

BTL-FCCP-7-2203G019

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1. APPENDIX A - EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA FOR SA

1.1 TEST RESULTS

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB Config	Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
N38	30	10	L	2575	DFT-PI/2BPSK	Inner_Full	18.78	17.68	33.00	PASS
N38	30	10	L	2575	DFT-PI/2BPSK	Inner_1RB_Left	18.82	17.72	33.00	PASS
N38	30	10	L	2575	DFT-PI/2BPSK	Inner_1RB_Right	18.83	17.73	33.00	PASS
N38	30	10	L	2575	DFT-PI/2BPSK	Outer_Full	18.85	17.75	33.00	PASS
N38	30	10	L	2575	DFT-QPSK	Inner_Full	18.91	17.81	33.00	PASS
N38	30	10	L	2575	DFT-QPSK	Inner_1RB_Left	18.75	17.65	33.00	PASS
N38	30	10	L	2575	DFT-QPSK	Inner_1RB_Right	18.76	17.66	33.00	PASS
N38	30	10	L	2575	DFT-QPSK	Outer_Full	18.87	17.77	33.00	PASS
N38	30	10	L	2575	DFT-16QAM	Inner_Full	18.89	17.79	33.00	PASS
N38	30	10	L	2575	DFT-16QAM	Inner_1RB_Left	18.88	17.78	33.00	PASS
N38	30	10	L	2575	DFT-16QAM	Inner_1RB_Right	18.87	17.77	33.00	PASS
N38	30	10	L	2575	DFT-16QAM	Outer_Full	18.91	17.81	33.00	PASS
N38	30	10	M	2595	DFT-PI/2BPSK	Inner_Full	19.03	17.93	33.00	PASS
N38	30	10	M	2595	DFT-PI/2BPSK	Inner_1RB_Left	18.97	17.87	33.00	PASS
N38	30	10	M	2595	DFT-PI/2BPSK	Inner_1RB_Right	18.98	17.88	33.00	PASS
N38	30	10	M	2595	DFT-PI/2BPSK	Outer_Full	18.98	17.88	33.00	PASS
N38	30	10	M	2595	DFT-QPSK	Inner_Full	19.04	17.94	33.00	PASS
N38	30	10	M	2595	DFT-QPSK	Inner_1RB_Left	18.97	17.87	33.00	PASS
N38	30	10	M	2595	DFT-QPSK	Inner_1RB_Right	18.99	17.89	33.00	PASS
N38	30	10	M	2595	DFT-QPSK	Outer_Full	19.00	17.90	33.00	PASS
N38	30	10	M	2595	DFT-16QAM	Inner_Full	18.99	17.89	33.00	PASS
N38	30	10	M	2595	DFT-16QAM	Inner_1RB_Left	18.98	17.88	33.00	PASS
N38	30	10	M	2595	DFT-16QAM	Inner_1RB_Right	18.99	17.89	33.00	PASS
N38	30	10	M	2595	DFT-16QAM	Outer_Full	18.98	17.88	33.00	PASS
N38	30	10	H	2615	DFT-PI/2BPSK	Inner_Full	19.14	18.04	33.00	PASS
N38	30	10	H	2615	DFT-PI/2BPSK	Inner_1RB_Left	19.08	17.98	33.00	PASS
N38	30	10	H	2615	DFT-PI/2BPSK	Inner_1RB_Right	19.10	18.00	33.00	PASS
N38	30	10	H	2615	DFT-PI/2BPSK	Outer_Full	19.11	18.01	33.00	PASS
N38	30	10	H	2615	DFT-QPSK	Inner_Full	19.15	18.05	33.00	PASS
N38	30	10	H	2615	DFT-QPSK	Inner_1RB_Left	19.09	17.99	33.00	PASS
N38	30	10	H	2615	DFT-QPSK	Inner_1RB_Right	19.12	18.02	33.00	PASS
N38	30	10	H	2615	DFT-QPSK	Outer_Full	19.10	18.00	33.00	PASS
N38	30	10	H	2615	DFT-16QAM	Inner_Full	19.29	18.19	33.00	PASS
N38	30	10	H	2615	DFT-16QAM	Inner_1RB_Left	19.07	17.97	33.00	PASS
N38	30	10	H	2615	DFT-16QAM	Inner_1RB_Right	19.10	18.00	33.00	PASS
N38	30	10	H	2615	DFT-16QAM	Outer_Full	19.11	18.01	33.00	PASS

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB Config	Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
N38	30	15	L	2577.5	DFT-PI/2BPSK	Inner_Full	18.94	17.84	33.00	PASS
N38	30	15	L	2577.5	DFT-PI/2BPSK	Inner_1RB_Left	18.94	17.84	33.00	PASS
N38	30	15	L	2577.5	DFT-PI/2BPSK	Inner_1RB_Right	19.39	18.29	33.00	PASS
N38	30	15	L	2577.5	DFT-PI/2BPSK	Outer_Full	18.94	17.84	33.00	PASS
N38	30	15	L	2577.5	DFT-QPSK	Inner_Full	19.01	17.91	33.00	PASS
N38	30	15	L	2577.5	DFT-QPSK	Inner_1RB_Left	19.06	17.96	33.00	PASS
N38	30	15	L	2577.5	DFT-QPSK	Inner_1RB_Right	19.04	17.94	33.00	PASS
N38	30	15	L	2577.5	DFT-QPSK	Outer_Full	18.95	17.85	33.00	PASS
N38	30	15	L	2577.5	DFT-16QAM	Inner_Full	18.93	17.83	33.00	PASS
N38	30	15	L	2577.5	DFT-16QAM	Inner_1RB_Left	18.95	17.85	33.00	PASS
N38	30	15	L	2577.5	DFT-16QAM	Inner_1RB_Right	18.95	17.85	33.00	PASS
N38	30	15	L	2577.5	DFT-16QAM	Outer_Full	18.94	17.84	33.00	PASS
N38	30	15	M	2595	DFT-PI/2BPSK	Inner_Full	19.06	17.96	33.00	PASS
N38	30	15	M	2595	DFT-PI/2BPSK	Inner_1RB_Left	19.07	17.97	33.00	PASS
N38	30	15	M	2595	DFT-PI/2BPSK	Inner_1RB_Right	19.00	17.90	33.00	PASS
N38	30	15	M	2595	DFT-PI/2BPSK	Outer_Full	19.09	17.99	33.00	PASS
N38	30	15	M	2595	DFT-QPSK	Inner_Full	19.05	17.95	33.00	PASS
N38	30	15	M	2595	DFT-QPSK	Inner_1RB_Left	18.98	17.88	33.00	PASS
N38	30	15	M	2595	DFT-QPSK	Inner_1RB_Right	19.00	17.90	33.00	PASS
N38	30	15	M	2595	DFT-QPSK	Outer_Full	19.09	17.99	33.00	PASS
N38	30	15	M	2595	DFT-16QAM	Inner_Full	18.89	17.79	33.00	PASS
N38	30	15	M	2595	DFT-16QAM	Inner_1RB_Left	19.10	18.00	33.00	PASS
N38	30	15	M	2595	DFT-16QAM	Inner_1RB_Right	18.99	17.89	33.00	PASS
N38	30	15	M	2595	DFT-16QAM	Outer_Full	18.99	17.89	33.00	PASS
N38	30	15	H	2612.5	DFT-PI/2BPSK	Inner_Full	19.31	18.21	33.00	PASS
N38	30	15	H	2612.5	DFT-PI/2BPSK	Inner_1RB_Left	19.24	18.14	33.00	PASS
N38	30	15	H	2612.5	DFT-PI/2BPSK	Inner_1RB_Right	19.16	18.06	33.00	PASS
N38	30	15	H	2612.5	DFT-PI/2BPSK	Outer_Full	19.25	18.15	33.00	PASS
N38	30	15	H	2612.5	DFT-QPSK	Inner_Full	19.31	18.21	33.00	PASS
N38	30	15	H	2612.5	DFT-QPSK	Inner_1RB_Left	19.25	18.15	33.00	PASS
N38	30	15	H	2612.5	DFT-QPSK	Inner_1RB_Right	19.25	18.15	33.00	PASS
N38	30	15	H	2612.5	DFT-QPSK	Outer_Full	19.27	18.17	33.00	PASS
N38	30	15	H	2612.5	DFT-16QAM	Inner_Full	19.26	18.16	33.00	PASS
N38	30	15	H	2612.5	DFT-16QAM	Inner_1RB_Left	19.24	18.14	33.00	PASS
N38	30	15	H	2612.5	DFT-16QAM	Inner_1RB_Right	19.25	18.15	33.00	PASS
N38	30	15	H	2612.5	DFT-16QAM	Outer_Full	19.26	18.16	33.00	PASS

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB Config	Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
N38	30	20	L	2580	DFT-PI/2BPSK	Inner_Full	18.91	17.81	33.00	PASS
N38	30	20	L	2580	DFT-PI/2BPSK	Inner_1RB_Left	18.95	17.85	33.00	PASS
N38	30	20	L	2580	DFT-PI/2BPSK	Inner_1RB_Right	18.96	17.86	33.00	PASS
N38	30	20	L	2580	DFT-PI/2BPSK	Outer_Full	18.96	17.86	33.00	PASS
N38	30	20	L	2580	DFT-QPSK	Inner_Full	18.99	17.89	33.00	PASS
N38	30	20	L	2580	DFT-QPSK	Inner_1RB_Left	18.95	17.85	33.00	PASS
N38	30	20	L	2580	DFT-QPSK	Inner_1RB_Right	18.95	17.85	33.00	PASS
N38	30	20	L	2580	DFT-QPSK	Outer_Full	18.96	17.86	33.00	PASS
N38	30	20	L	2580	DFT-16QAM	Inner_Full	18.95	17.85	33.00	PASS
N38	30	20	L	2580	DFT-16QAM	Inner_1RB_Left	18.97	17.87	33.00	PASS
N38	30	20	L	2580	DFT-16QAM	Inner_1RB_Right	18.95	17.85	33.00	PASS
N38	30	20	L	2580	DFT-16QAM	Outer_Full	18.95	17.85	33.00	PASS
N38	30	20	M	2595	DFT-PI/2BPSK	Inner_Full	19.12	18.02	33.00	PASS
N38	30	20	M	2595	DFT-PI/2BPSK	Inner_1RB_Left	18.94	17.84	33.00	PASS
N38	30	20	M	2595	DFT-PI/2BPSK	Inner_1RB_Right	18.95	17.85	33.00	PASS
N38	30	20	M	2595	DFT-PI/2BPSK	Outer_Full	18.94	17.84	33.00	PASS
N38	30	20	M	2595	DFT-QPSK	Inner_Full	19.11	18.01	33.00	PASS
N38	30	20	M	2595	DFT-QPSK	Inner_1RB_Left	19.03	17.93	33.00	PASS
N38	30	20	M	2595	DFT-QPSK	Inner_1RB_Right	18.95	17.85	33.00	PASS
N38	30	20	M	2595	DFT-QPSK	Outer_Full	18.96	17.86	33.00	PASS
N38	30	20	M	2595	DFT-16QAM	Inner_Full	18.95	17.85	33.00	PASS
N38	30	20	M	2595	DFT-16QAM	Inner_1RB_Left	19.04	17.94	33.00	PASS
N38	30	20	M	2595	DFT-16QAM	Inner_1RB_Right	18.95	17.85	33.00	PASS
N38	30	20	M	2595	DFT-16QAM	Outer_Full	18.95	17.85	33.00	PASS
N38	30	20	H	2610	DFT-PI/2BPSK	Inner_Full	19.27	18.17	33.00	PASS
N38	30	20	H	2610	DFT-PI/2BPSK	Inner_1RB_Left	19.14	18.04	33.00	PASS
N38	30	20	H	2610	DFT-PI/2BPSK	Inner_1RB_Right	19.22	18.12	33.00	PASS
N38	30	20	H	2610	DFT-PI/2BPSK	Outer_Full	19.23	18.13	33.00	PASS
N38	30	20	H	2610	DFT-QPSK	Inner_Full	19.25	18.15	33.00	PASS
N38	30	20	H	2610	DFT-QPSK	Inner_1RB_Left	19.23	18.13	33.00	PASS
N38	30	20	H	2610	DFT-QPSK	Inner_1RB_Right	19.14	18.04	33.00	PASS
N38	30	20	H	2610	DFT-QPSK	Outer_Full	19.14	18.04	33.00	PASS
N38	30	20	H	2610	DFT-16QAM	Inner_Full	19.25	18.15	33.00	PASS
N38	30	20	H	2610	DFT-16QAM	Inner_1RB_Left	19.15	18.05	33.00	PASS
N38	30	20	H	2610	DFT-16QAM	Inner_1RB_Right	19.16	18.06	33.00	PASS
N38	30	20	H	2610	DFT-16QAM	Outer_Full	19.16	18.06	33.00	PASS

2. APPENDIX B - PEAK-TO-AVERAGE RATIO FOR SA

2.1 TEST RESULTS

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB Config	Measured [dBm]	Limit [dBm]	Verdict
N38	30	10	M	2595	DFT-PI/2BPSK	Outer_Full	7.73	≤13	PASS
N38	30	10	M	2595	DFT-QPSK	Outer_Full	7.74	≤13	PASS
N38	30	10	M	2595	DFT-16QAM	Outer_Full	8.00	≤13	PASS
N38	30	10	M	2595	DFT-64QAM	Outer_Full	8.27	≤13	PASS
N38	30	10	M	2595	DFT-256QAM	Outer_Full	8.00	≤13	PASS
N38	30	10	M	2595	CP-QPSK	Outer_Full	7.53	≤13	PASS
N38	30	10	M	2595	CP-16QAM	Outer_Full	8.07	≤13	PASS
N38	30	10	M	2595	CP-64QAM	Outer_Full	8.57	≤13	PASS
N38	30	10	M	2595	CP-256QAM	Outer_Full	7.91	≤13	PASS
N38	30	15	M	2595	DFT-PI/2BPSK	Outer_Full	7.96	≤13	PASS
N38	30	15	M	2595	DFT-QPSK	Outer_Full	7.55	≤13	PASS
N38	30	15	M	2595	DFT-16QAM	Outer_Full	8.27	≤13	PASS
N38	30	15	M	2595	DFT-64QAM	Outer_Full	7.93	≤13	PASS
N38	30	15	M	2595	DFT-256QAM	Outer_Full	7.58	≤13	PASS
N38	30	15	M	2595	CP-QPSK	Outer_Full	8.37	≤13	PASS
N38	30	15	M	2595	CP-16QAM	Outer_Full	7.97	≤13	PASS
N38	30	15	M	2595	CP-64QAM	Outer_Full	8.05	≤13	PASS
N38	30	15	M	2595	CP-256QAM	Outer_Full	8.60	≤13	PASS
N38	30	20	M	2595	DFT-PI/2BPSK	Outer_Full	7.79	≤13	PASS
N38	30	20	M	2595	DFT-QPSK	Outer_Full	7.77	≤13	PASS
N38	30	20	M	2595	DFT-16QAM	Outer_Full	8.35	≤13	PASS
N38	30	20	M	2595	DFT-64QAM	Outer_Full	7.76	≤13	PASS
N38	30	20	M	2595	DFT-256QAM	Outer_Full	8.14	≤13	PASS
N38	30	20	M	2595	CP-QPSK	Outer_Full	8.03	≤13	PASS
N38	30	20	M	2595	CP-16QAM	Outer_Full	7.79	≤13	PASS
N38	30	20	M	2595	CP-64QAM	Outer_Full	7.76	≤13	PASS
N38	30	20	M	2595	CP-256QAM	Outer_Full	7.70	≤13	PASS

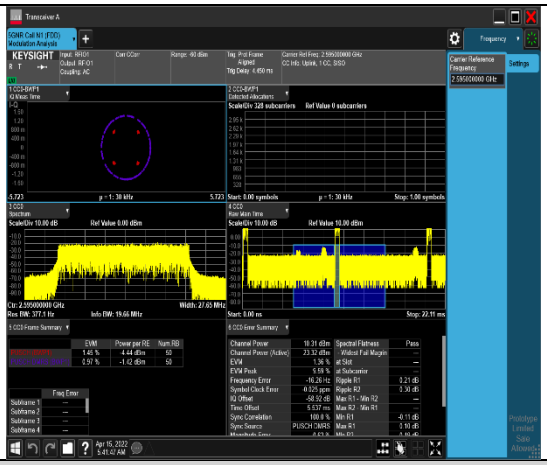
3. APPENDIX C - MODULATION CHARACTERISTICS

3.1 TEST RESULTS

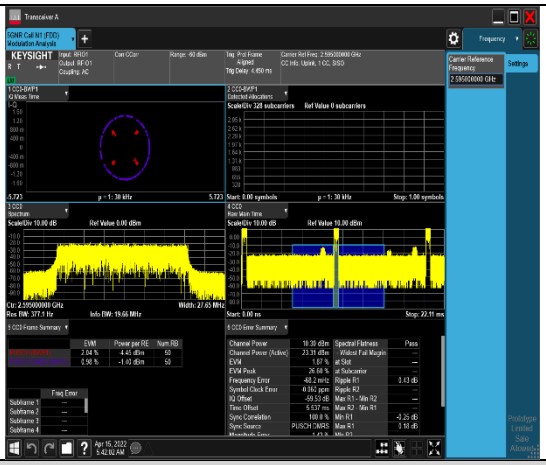
NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Verdict
N38	30	20	M	2595	DFT-PI/2BPSK	Outer_Full	PASS
N38	30	20	M	2595	DFT-QPSK	Outer_Full	PASS
N38	30	20	M	2595	DFT-16QAM	Outer_Full	PASS
N38	30	20	M	2595	DFT-64QAM	Outer_Full	PASS
N38	30	20	M	2595	DFT-256QAM	Outer_Full	PASS
N38	30	20	M	2595	CP-QPSK	Outer_Full	PASS
N38	30	20	M	2595	CP-16QAM	Outer_Full	PASS
N38	30	20	M	2595	CP-64QAM	Outer_Full	PASS
N38	30	20	M	2595	CP-256QAM	Outer_Full	PASS

3.2 TEST PLOTS

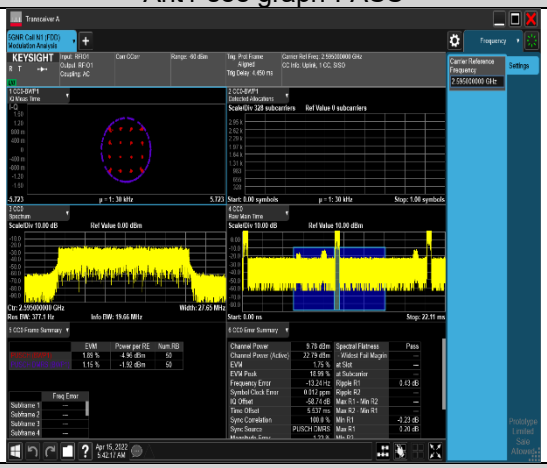
3.2.1 CHANNEL BANDWIDTH=20MHZ



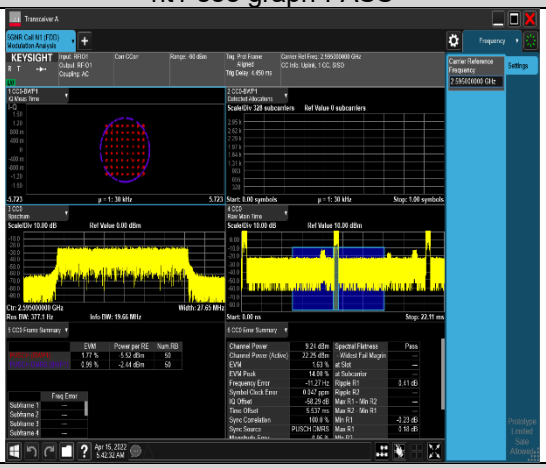
1-N38-PC3-30-20-M-1-DFT-PI/2BPSK-Outer_Full-50@0-Ant1-see graph-PASS



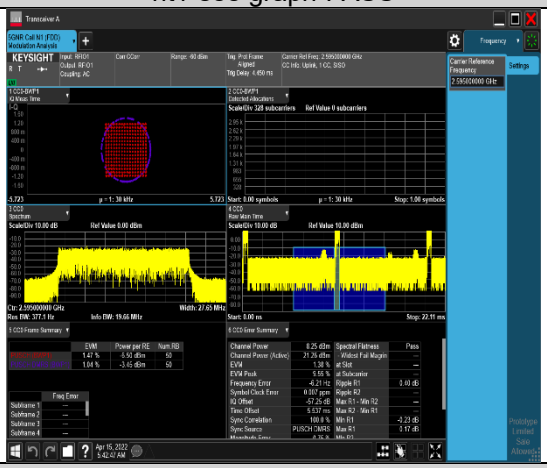
1-N38-PC3-30-20-M-2-DFT-QPSK-Outer_Full-50@0-Ant1-see graph-PASS



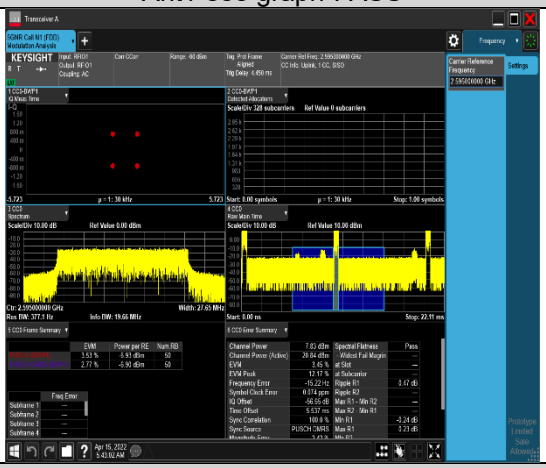
1-N38-PC3-30-20-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-see graph-PASS



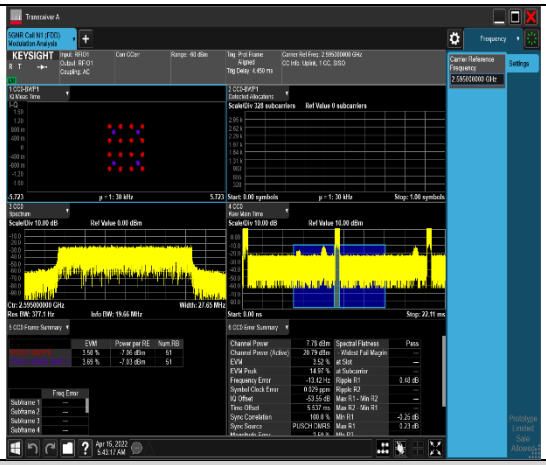
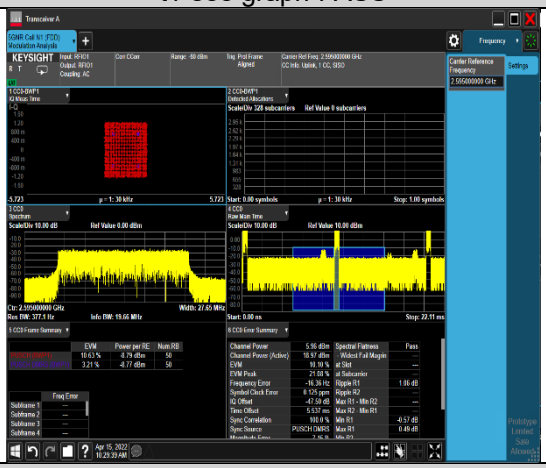
1-N38-PC3-30-20-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-see graph-PASS



1-N38-PC3-30-20-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-see graph-PASS



1-N38-PC3-30-20-M-6-CP-QPSK-Outer_Full-51@0-Ant1-see graph-PASS

	
1-N38-PC3-30-20-M-7-CP-16QAM-Outer_Full-51@0-Ant1-see graph-PASS	1-N38-PC3-30-20-M-8-CP-64QAM-Outer_Full-51@0-Ant1-see graph-PASS
	-
1-N38-PC3-30-20-M-9-CP-256QAM-Outer_Full-51@0-Ant1-see graph-PASS	-

4. APPENDIX D - 26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

4.1 TEST RESULTS

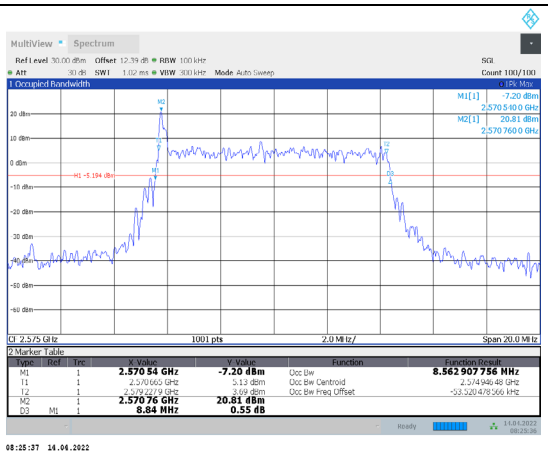
NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
N38	30	10	L	2575	CP-QPSK	Outer_Full	8.563	8.840	PASS
N38	30	10	L	2575	CP-16QAM	Outer_Full	8.642	8.860	PASS
N38	30	10	L	2575	CP-64QAM	Outer_Full	8.599	9.020	PASS
N38	30	10	L	2575	CP-256QAM	Outer_Full	8.632	9.600	PASS
N38	30	10	L	2575	DFT-PI/2BPSK	Outer_Full	8.651	9.780	PASS
N38	30	10	L	2575	DFT-QPSK	Outer_Full	8.663	9.820	PASS
N38	30	10	L	2575	DFT-16QAM	Outer_Full	8.647	8.880	PASS
N38	30	10	L	2575	DFT-64QAM	Outer_Full	8.556	8.860	PASS
N38	30	10	L	2575	DFT-256QAM	Outer_Full	8.73	9.560	PASS
N38	30	10	M	2595	CP-QPSK	Outer_Full	8.607	9.080	PASS
N38	30	10	M	2595	CP-16QAM	Outer_Full	8.63	8.860	PASS
N38	30	10	M	2595	CP-64QAM	Outer_Full	8.62	8.980	PASS
N38	30	10	M	2595	CP-256QAM	Outer_Full	8.684	9.380	PASS
N38	30	10	M	2595	DFT-PI/2BPSK	Outer_Full	8.635	9.580	PASS
N38	30	10	M	2595	DFT-QPSK	Outer_Full	8.567	8.940	PASS
N38	30	10	M	2595	DFT-16QAM	Outer_Full	8.634	8.860	PASS
N38	30	10	M	2595	DFT-64QAM	Outer_Full	8.609	8.880	PASS
N38	30	10	M	2595	DFT-256QAM	Outer_Full	8.661	8.920	PASS
N38	30	10	H	2615	CP-QPSK	Outer_Full	8.678	9.040	PASS
N38	30	10	H	2615	CP-16QAM	Outer_Full	8.649	8.900	PASS
N38	30	10	H	2615	CP-64QAM	Outer_Full	8.646	8.900	PASS
N38	30	10	H	2615	CP-256QAM	Outer_Full	8.636	8.840	PASS
N38	30	10	H	2615	DFT-PI/2BPSK	Outer_Full	8.635	9.220	PASS
N38	30	10	H	2615	DFT-QPSK	Outer_Full	8.623	8.980	PASS
N38	30	10	H	2615	DFT-16QAM	Outer_Full	8.674	9.200	PASS
N38	30	10	H	2615	DFT-64QAM	Outer_Full	8.621	8.880	PASS
N38	30	10	H	2615	DFT-256QAM	Outer_Full	8.722	9.300	PASS

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
N38	30	15	L	2577.5	CP-QPSK	Outer_Full	12.909	14.070	PASS
N38	30	15	L	2577.5	CP-16QAM	Outer_Full	13.589	14.490	PASS
N38	30	15	L	2577.5	CP-64QAM	Outer_Full	13.58	14.580	PASS
N38	30	15	L	2577.5	CP-256QAM	Outer_Full	13.573	14.430	PASS
N38	30	15	L	2577.5	DFT-PI/2BPSK	Outer_Full	12.658	14.070	PASS
N38	30	15	L	2577.5	DFT-QPSK	Outer_Full	12.939	13.740	PASS
N38	30	15	L	2577.5	DFT-16QAM	Outer_Full	12.889	13.920	PASS
N38	30	15	L	2577.5	DFT-64QAM	Outer_Full	12.863	13.650	PASS
N38	30	15	L	2577.5	DFT-256QAM	Outer_Full	12.902	14.250	PASS
N38	30	15	M	2595	CP-QPSK	Outer_Full	12.815	13.500	PASS
N38	30	15	M	2595	CP-16QAM	Outer_Full	13.543	14.160	PASS
N38	30	15	M	2595	CP-64QAM	Outer_Full	13.668	14.280	PASS
N38	30	15	M	2595	CP-256QAM	Outer_Full	13.573	14.190	PASS
N38	30	15	M	2595	DFT-PI/2BPSK	Outer_Full	12.675	14.070	PASS
N38	30	15	M	2595	DFT-QPSK	Outer_Full	12.904	14.040	PASS
N38	30	15	M	2595	DFT-16QAM	Outer_Full	12.89	13.980	PASS
N38	30	15	M	2595	DFT-64QAM	Outer_Full	12.811	13.560	PASS
N38	30	15	M	2595	DFT-256QAM	Outer_Full	12.946	13.980	PASS
N38	30	15	H	2612.5	CP-QPSK	Outer_Full	12.787	14.190	PASS
N38	30	15	H	2612.5	CP-16QAM	Outer_Full	13.589	14.550	PASS
N38	30	15	H	2612.5	CP-64QAM	Outer_Full	13.554	14.250	PASS
N38	30	15	H	2612.5	CP-256QAM	Outer_Full	13.599	14.220	PASS
N38	30	15	H	2612.5	DFT-PI/2BPSK	Outer_Full	12.837	13.800	PASS
N38	30	15	H	2612.5	DFT-QPSK	Outer_Full	12.81	13.440	PASS
N38	30	15	H	2612.5	DFT-16QAM	Outer_Full	12.894	14.490	PASS
N38	30	15	H	2612.5	DFT-64QAM	Outer_Full	12.807	14.100	PASS
N38	30	15	H	2612.5	DFT-256QAM	Outer_Full	12.851	14.190	PASS

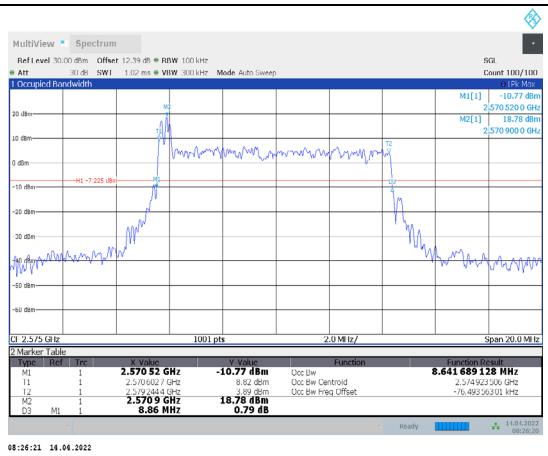
NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
N38	30	20	L	2580	CP-QPSK	Outer_Full	17.722	18.640	PASS
N38	30	20	L	2580	CP-16QAM	Outer_Full	18.2	19.440	PASS
N38	30	20	L	2580	CP-64QAM	Outer_Full	18.173	18.880	PASS
N38	30	20	L	2580	CP-256QAM	Outer_Full	18.144	19.200	PASS
N38	30	20	L	2580	DFT-PI/2BPSK	Outer_Full	17.896	18.680	PASS
N38	30	20	L	2580	DFT-QPSK	Outer_Full	17.917	18.760	PASS
N38	30	20	L	2580	DFT-16QAM	Outer_Full	17.676	18.640	PASS
N38	30	20	L	2580	DFT-64QAM	Outer_Full	17.711	18.800	PASS
N38	30	20	L	2580	DFT-256QAM	Outer_Full	17.85	18.560	PASS
N38	30	20	M	2595	CP-QPSK	Outer_Full	17.865	18.600	PASS
N38	30	20	M	2595	CP-16QAM	Outer_Full	18.08	19.040	PASS
N38	30	20	M	2595	CP-64QAM	Outer_Full	18.166	19.040	PASS
N38	30	20	M	2595	CP-256QAM	Outer_Full	18.073	19.200	PASS
N38	30	20	M	2595	DFT-PI/2BPSK	Outer_Full	17.774	18.600	PASS
N38	30	20	M	2595	DFT-QPSK	Outer_Full	17.869	18.840	PASS
N38	30	20	M	2595	DFT-16QAM	Outer_Full	17.765	19.000	PASS
N38	30	20	M	2595	DFT-64QAM	Outer_Full	17.885	18.840	PASS
N38	30	20	M	2595	DFT-256QAM	Outer_Full	17.731	18.640	PASS
N38	30	20	H	2610	CP-QPSK	Outer_Full	17.869	18.520	PASS
N38	30	20	H	2610	CP-16QAM	Outer_Full	18.226	19.000	PASS
N38	30	20	H	2610	CP-64QAM	Outer_Full	18.28	19.080	PASS
N38	30	20	H	2610	CP-256QAM	Outer_Full	18.243	19.160	PASS
N38	30	20	H	2610	DFT-PI/2BPSK	Outer_Full	17.822	18.640	PASS
N38	30	20	H	2610	DFT-QPSK	Outer_Full	17.92	18.480	PASS
N38	30	20	H	2610	DFT-16QAM	Outer_Full	17.834	18.720	PASS
N38	30	20	H	2610	DFT-64QAM	Outer_Full	17.742	18.520	PASS
N38	30	20	H	2610	DFT-256QAM	Outer_Full	17.794	18.800	PASS

4.2 TEST PLOTS

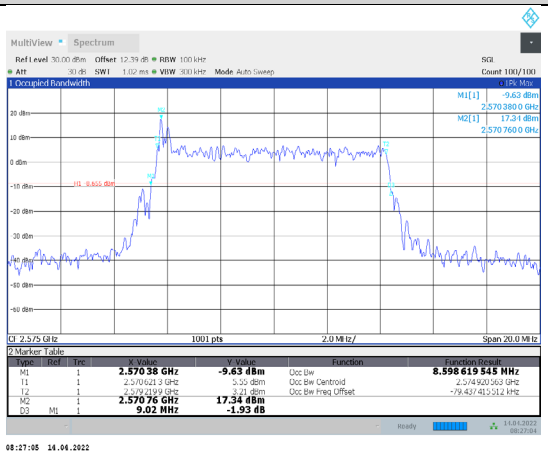
4.2.1 CHANNEL BANDWIDTH=10MHZ



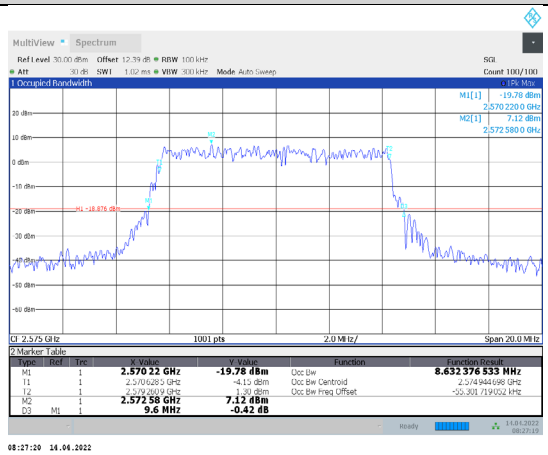
1-N38-PC3-30-10-L-1-CP-QPSK-Outer_Full-24@0-Ant1-8.563-8.840-≤10-PASS



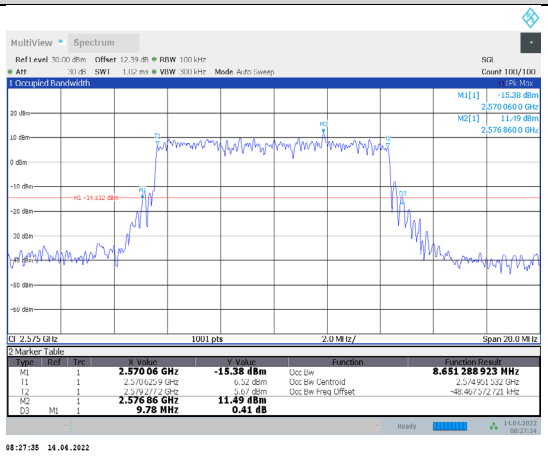
1-N38-PC3-30-10-L-2-CP-16QAM-Outer_Full-24@0-Ant1-8.642-8.860-≤10-PASS



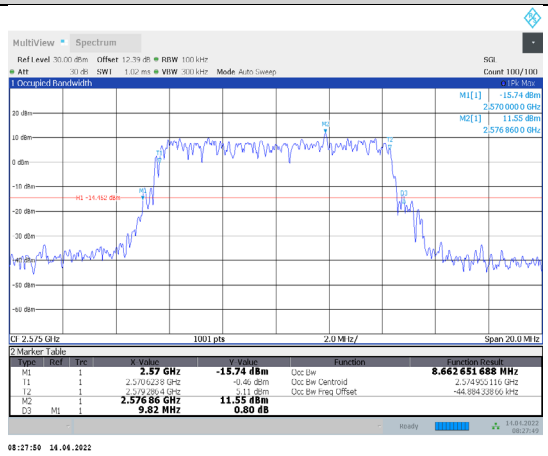
1-N38-PC3-30-10-L-3-CP-64QAM-Outer_Full-24@0-Ant1-8.599-9.020-≤10-PASS



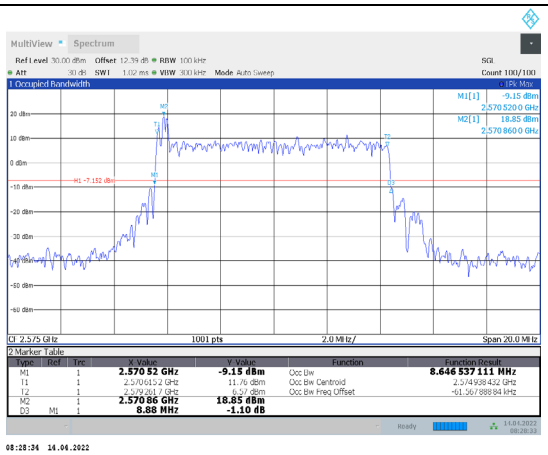
1-N38-PC3-30-10-L-4-CP-256QAM-Outer_Full-24@0-Ant1-8.632-9.600-≤10-PASS



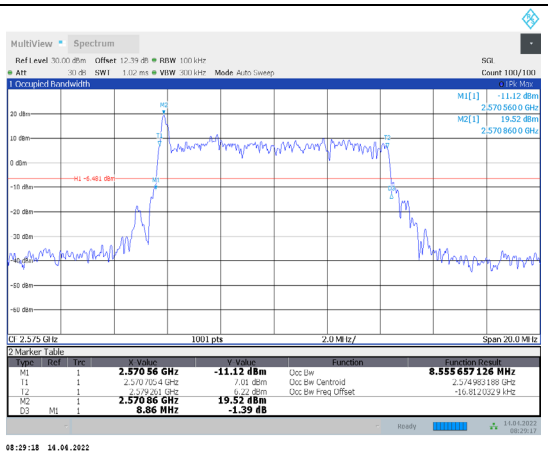
1-N38-PC3-30-10-L-5-DFT-PI/2BPSK-Outer_Full-24@0-Ant1-8.651-9.780-≤10-PASS



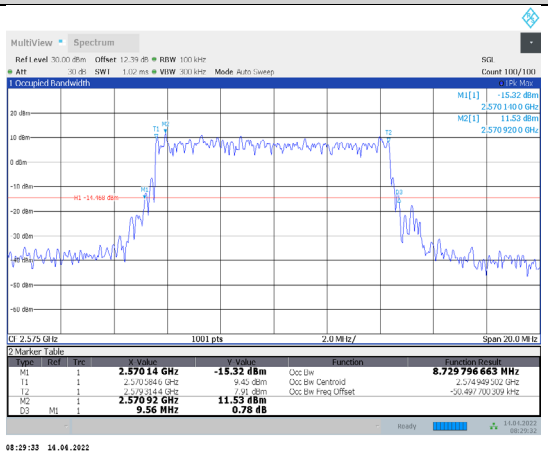
1-N38-PC3-30-10-L-6-DFT-QPSK-Outer_Full-24@0-Ant1-8.663-9.820-≤10-PASS



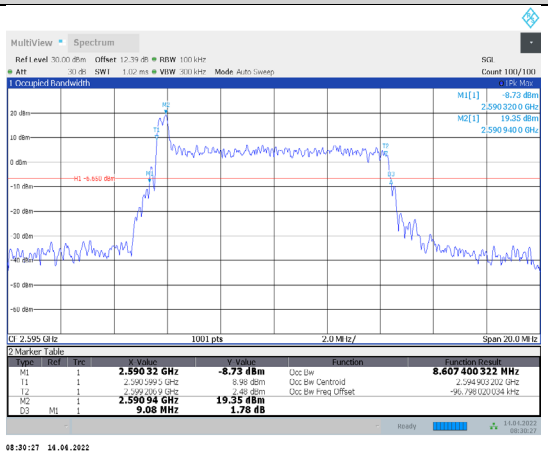
1-N38-PC3-30-10-L-7-DFT-16QAM-Outer_Full-24@0-Ant1-8.647-8.880-≤10-PASS



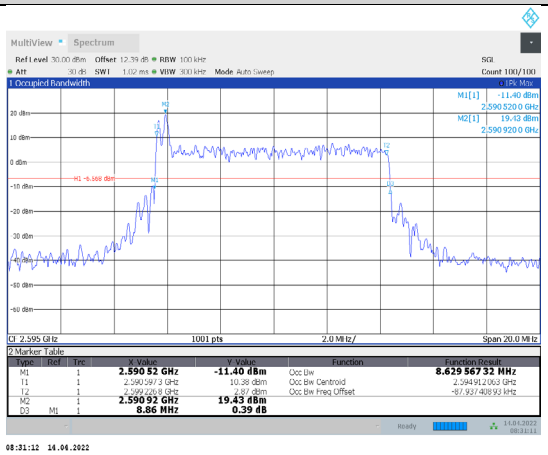
1-N38-PC3-30-10-L-8-DFT-64QAM-Outer_Full-24@0-Ant1-8.556-8.860-≤10-PASS



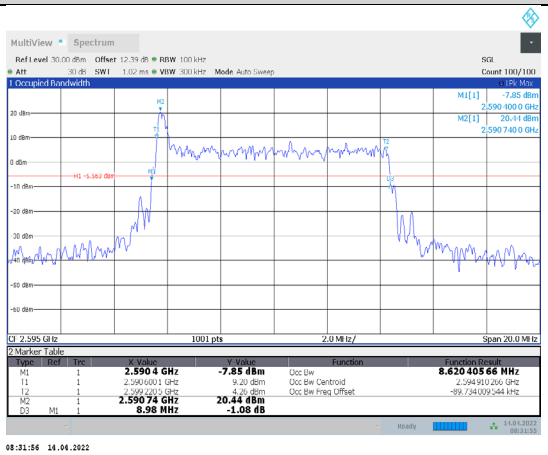
1-N38-PC3-30-10-L-9-DFT-256QAM-Outer_Full-24@0-Ant1-8.73-9.560-≤10-PASS



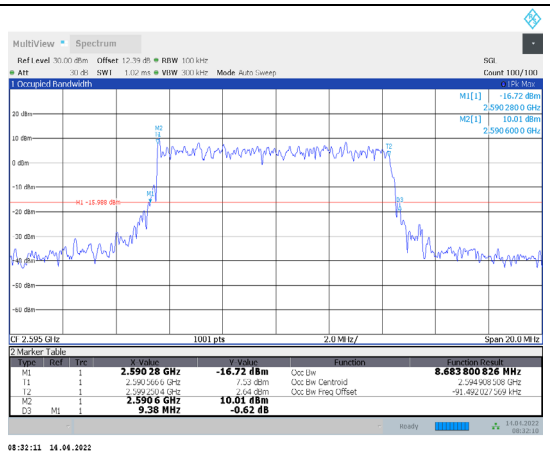
1-N38-PC3-30-10-M-1-CP-QPSK-Outer_Full-24@0-Ant1-8.607-9.080-≤10-PASS



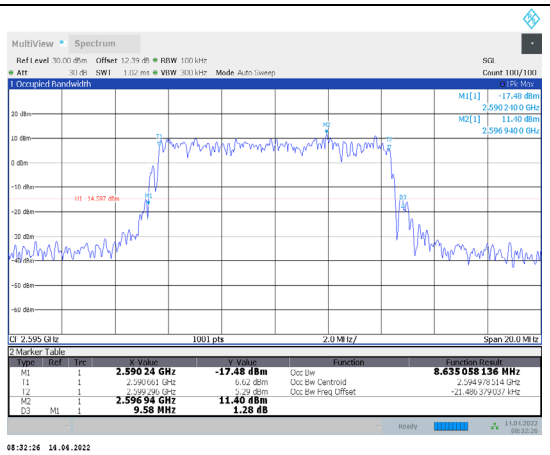
1-N38-PC3-30-10-M-2-CP-16QAM-Outer_Full-24@0-Ant1-8.63-8.860-≤10-PASS



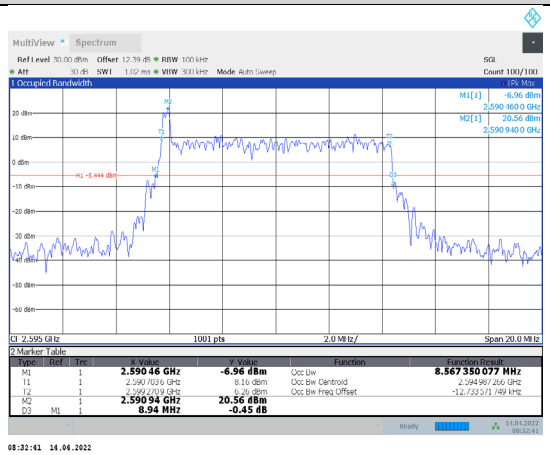
1-N38-PC3-30-10-M-3-CP-64QAM-Outer_Full-24@0-Ant1-8.62-8.980-≤10-PASS



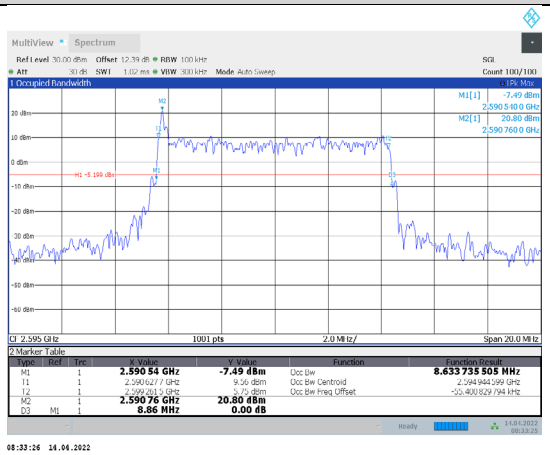
1-N38-PC3-30-10-M-4-CP-256QAM-Outer_Full-24@0-Ant1-8.684-9.380-≤10-PASS



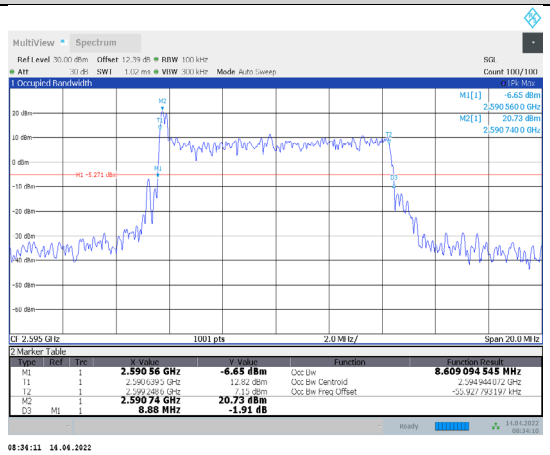
1-N38-PC3-30-10-M-5-DFT-PI/2BPSK-Outer_Full-24@0-Ant1-8.635-9.580-≤10-PASS



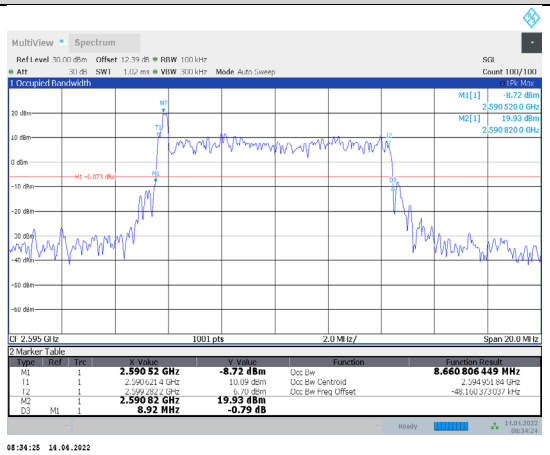
1-N38-PC3-30-10-M-6-DFT-QPSK-Outer_Full-24@0-Ant1-8.567-8.940-≤10-PASS



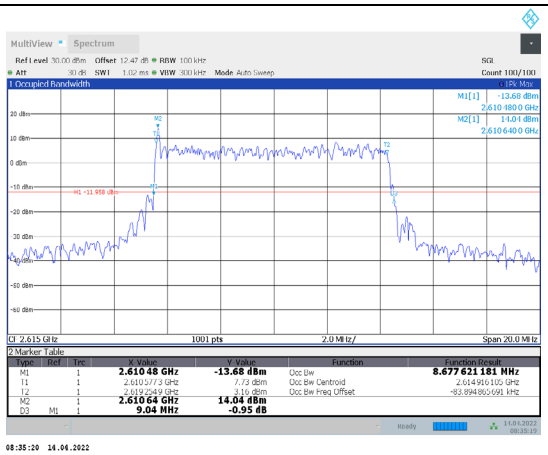
1-N38-PC3-30-10-M-7-DFT-16QAM-Outer_Full-24@0-Ant1-8.634-8.860-≤10-PASS



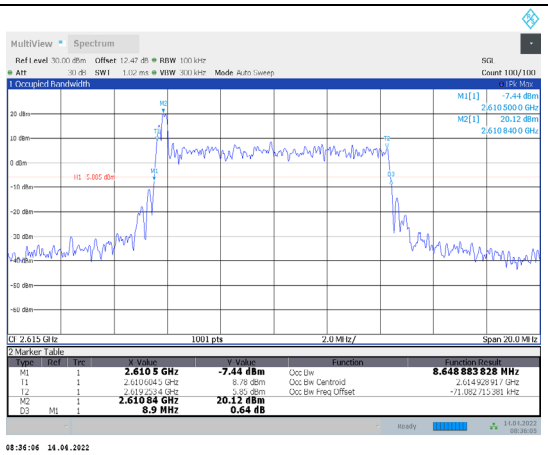
1-N38-PC3-30-10-M-8-DFT-64QAM-Outer_Full-24@0-Ant1-8.609-8.880-≤10-PASS



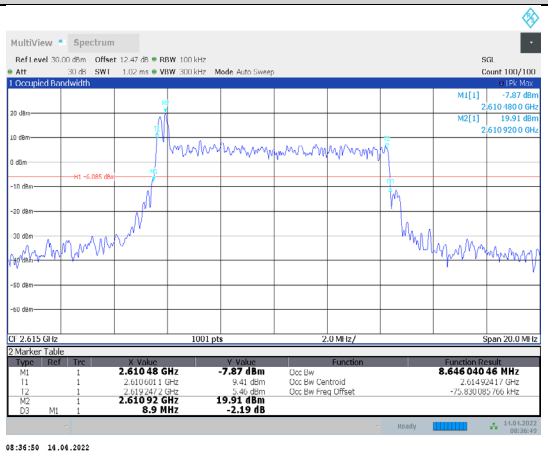
1-N38-PC3-30-10-M-9-DFT-256QAM-Outer_Full-24@0-Ant1-8.661-8.920-≤10-PASS



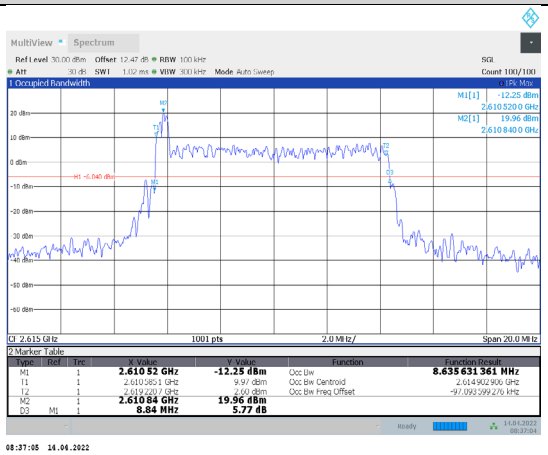
1-N38-PC3-30-10-H-1-CP-QPSK-Outer_Full-24@0-Ant1-8.678-9.040-≤10-PASS



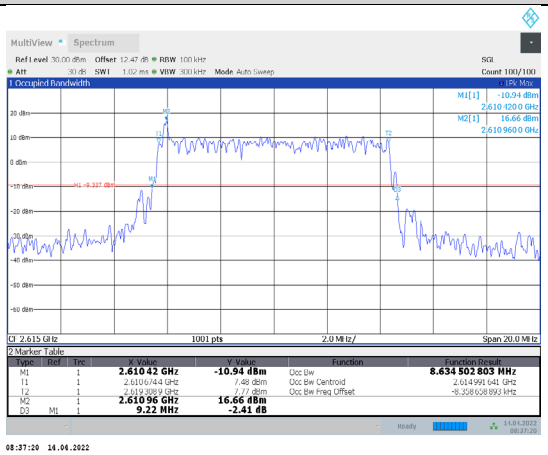
1-N38-PC3-30-10-H-2-CP-16QAM-Outer_Full-24@0-Ant1-8.649-8.900-≤10-PASS



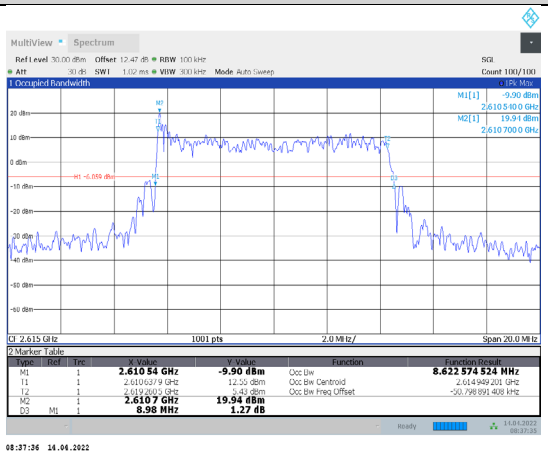
1-N38-PC3-30-10-H-3-CP-64QAM-Outer_Full-24@0-Ant1-8.646-8.900-≤10-PASS



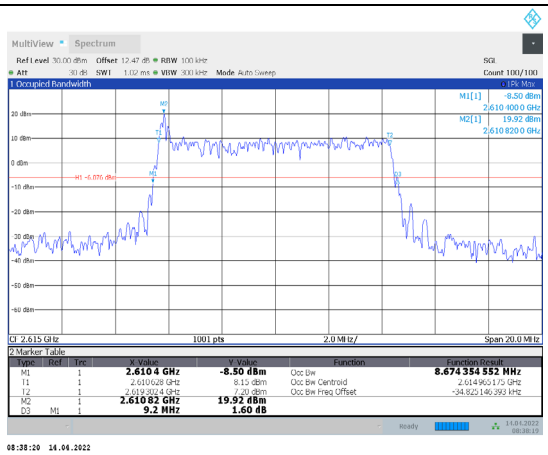
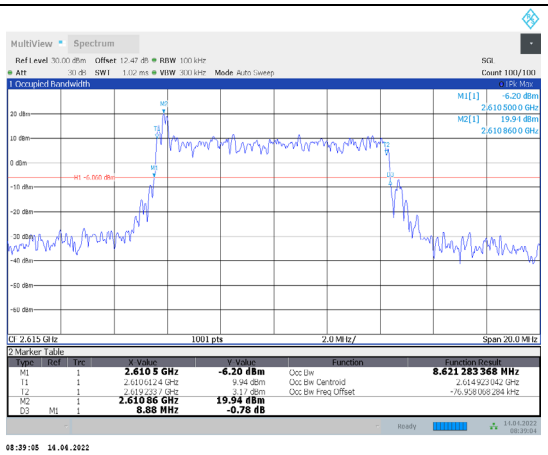
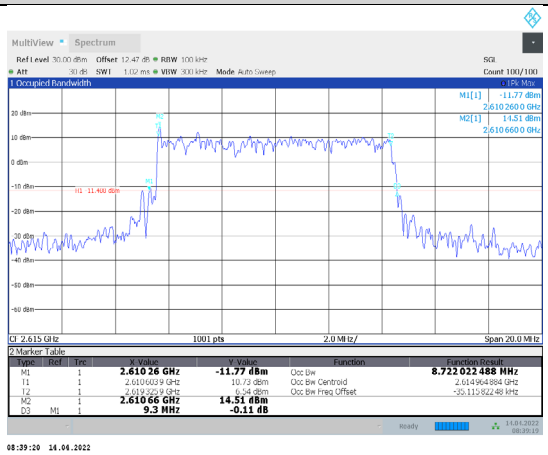
1-N38-PC3-30-10-H-4-CP-256QAM-Outer_Full-24@0-Ant1-8.636-8.840-≤10-PASS



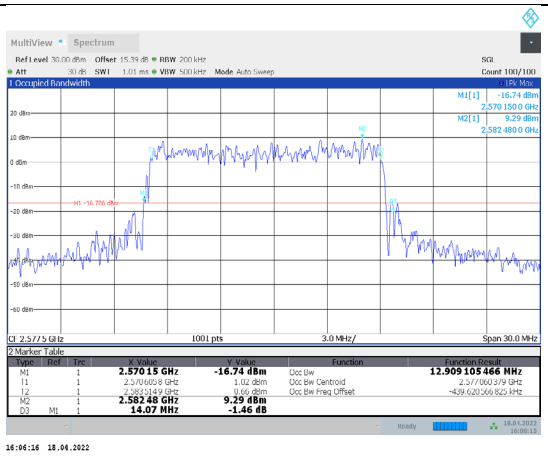
1-N38-PC3-30-10-H-5-DFT-PI/2BPSK-Outer_Full-24@0-Ant1-8.635-9.220-≤10-PASS



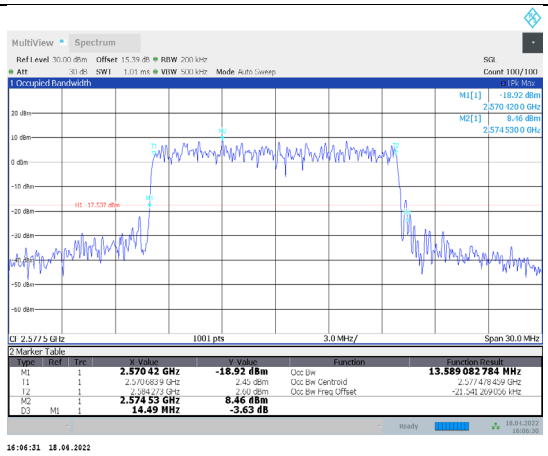
1-N38-PC3-30-10-H-6-DFT-QPSK-Outer_Full-24@0-Ant1-8.623-8.980-≤10-PASS

	
1-N38-PC3-30-10-H-7-DFT-16QAM-Outer_Full-24@0-Ant1-8.674-9.200-≤10-PASS	1-N38-PC3-30-10-H-8-DFT-64QAM-Outer_Full-24@0-Ant1-8.621-8.880-≤10-PASS
	-
1-N38-PC3-30-10-H-9-DFT-256QAM-Outer_Full-24@0-Ant1-8.722-9.300-≤10-PASS	-

4.2.2 CHANNEL BANDWIDTH=15MHZ



1-N38-PC3-30-15-L-1-CP-QPSK-Outer_Full-38@0-Ant1-12.909-14.070-≤15-PASS



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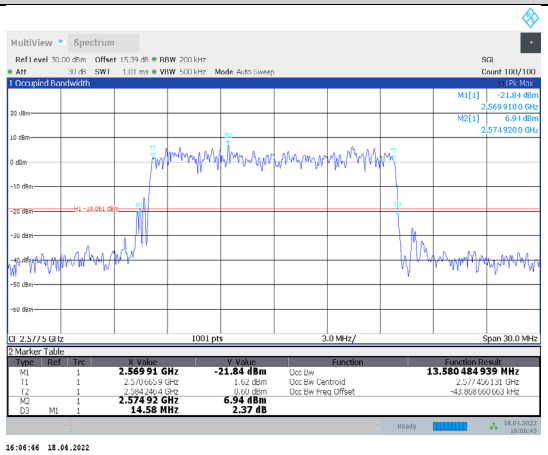

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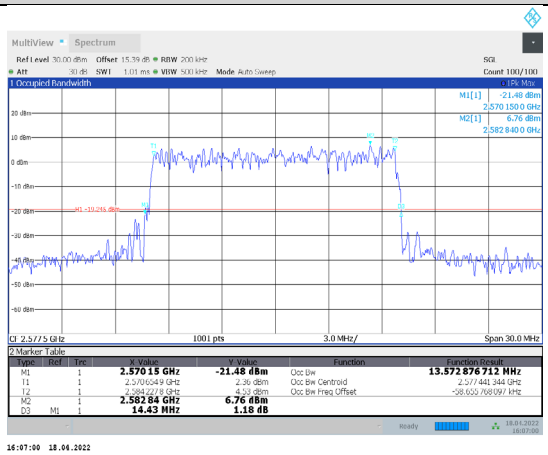

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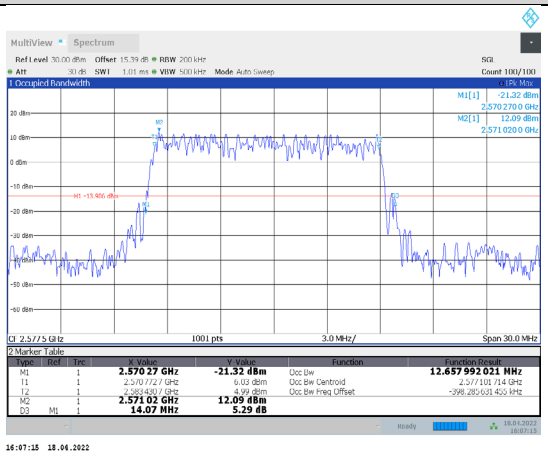
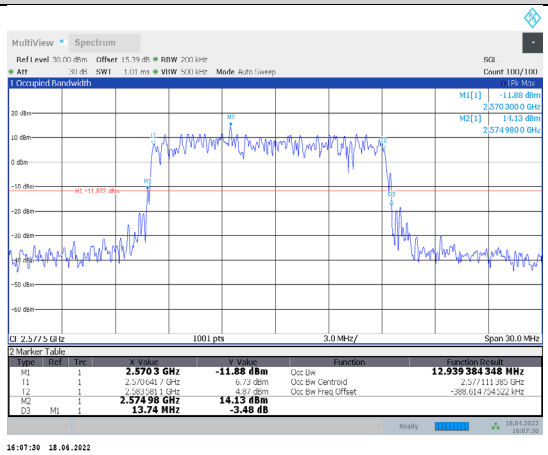


1-N38-PC3-30-15-L-5-DFT-PI/2BPSK-Outer_Full-36@0-Ant1-12.658-14.070-≤15-PASS



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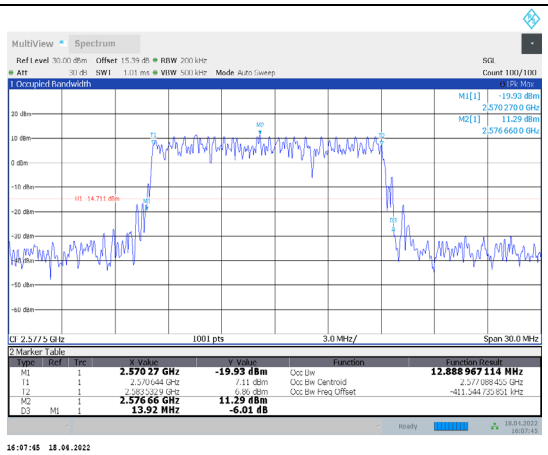

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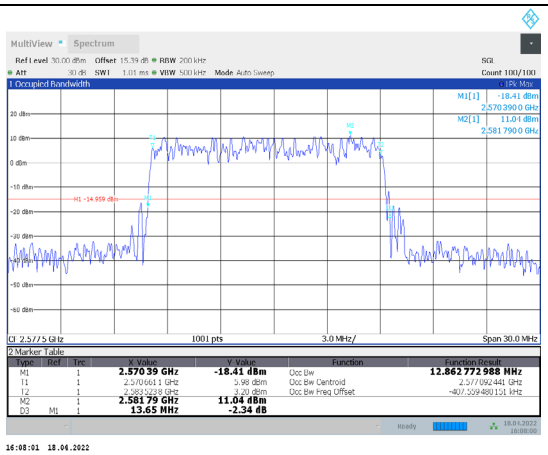

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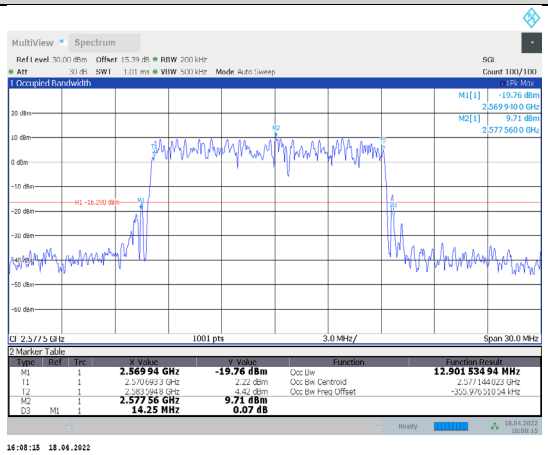

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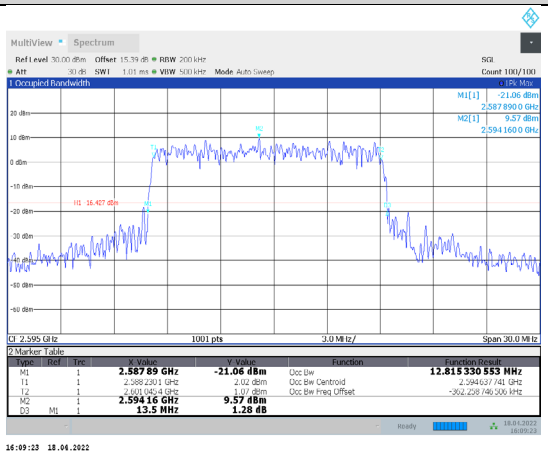

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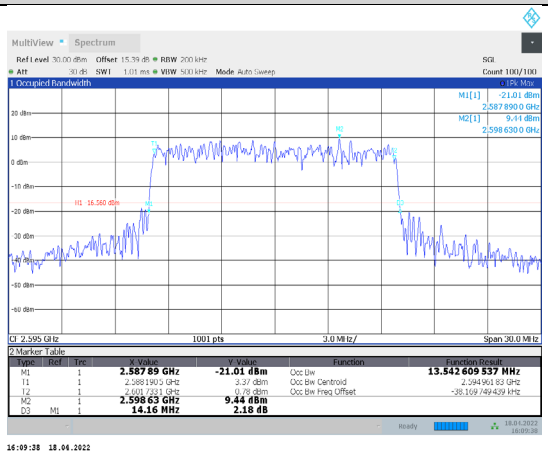

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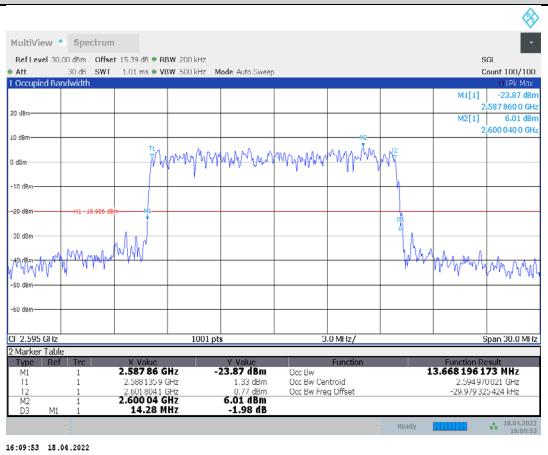

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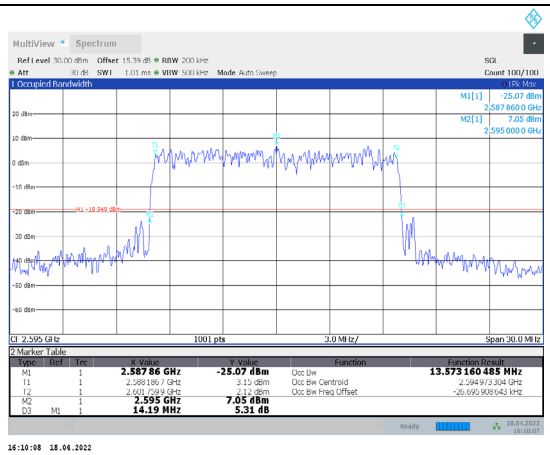

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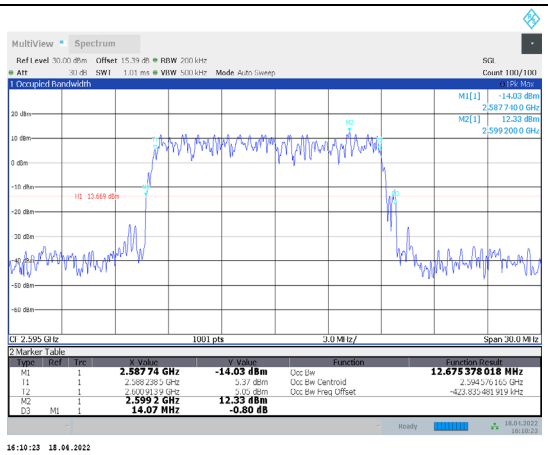

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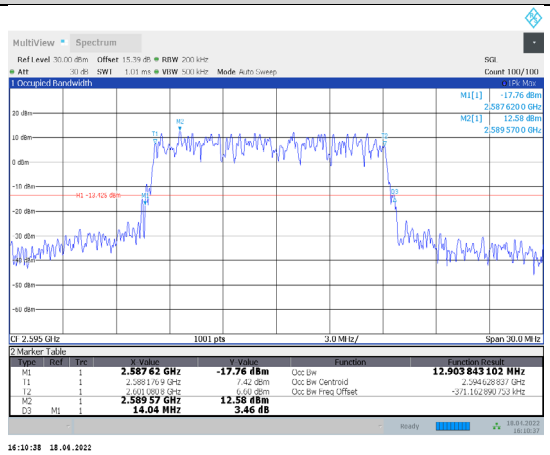

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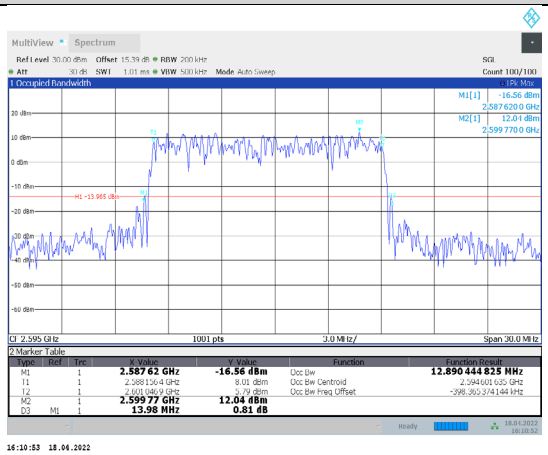
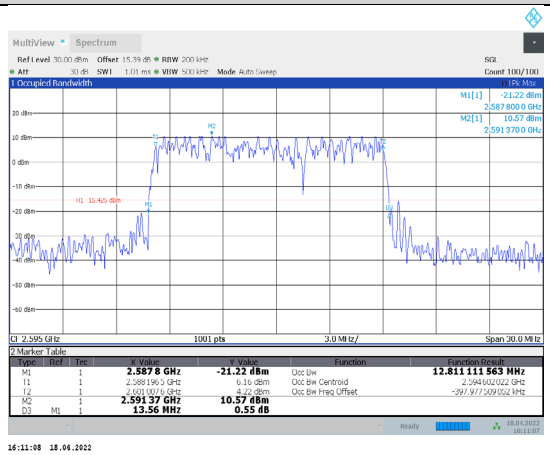


1-N38-PC3-30-15-M-7-DFT-16QAM-Outer_Full-36@0-Ant1-12.89-13.980-≤15-PASS



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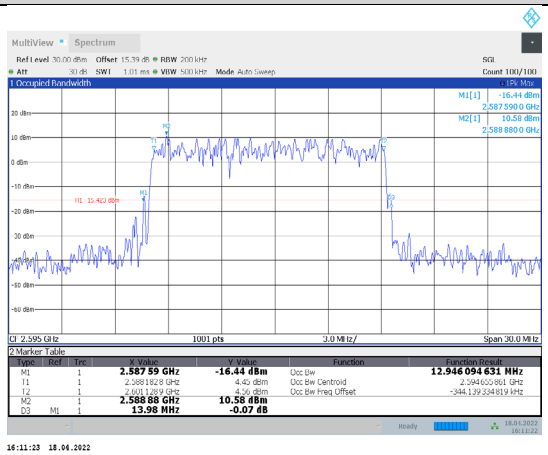

1-N38-PC3-30-15-M-9-DFT-256QAM-Outer_Full-36@0-Ant1-12.946-13.980-≤15-PASS