

Appendix for 5G NR N7

Model: ANY-NX1

BTL-FCCP-8-2203G020

Table of Contents	Page
1 . APPENDIX A - EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA	3
1.1 TEST RESULTS	3
2 . APPENDIX B - PEAK-TO-AVERAGE RATIO	7
2.1 TEST RESULTS	7
3 . APPENDIX C - MODULATION CHARACTERISTICS	8
3.1 TEST RESULTS	8
3.2 TEST PLOTS	9
3.2.1 CHANNEL BANDWIDTH=20MHZ	9
4 . APPENDIX D - BANDWIDTH	11
4.1 TEST RESULTS	11
4.2 TEST PLOTS	14
4.2.1 CHANNEL BANDWIDTH=5MHZ	14
4.2.2 CHANNEL BANDWIDTH=10MHZ	19
4.2.3 CHANNEL BANDWIDTH=15MHZ	24
4.2.4 CHANNEL BANDWIDTH=20MHZ	29
5 . APPENDIX E - BAND EDGES COMPLIANCE	34
5.1 TEST RESULTS	34
5.2 TEST PLOTS	37
5.2.1 CHANNEL BANDWIDTH=5MHZ	37
5.2.2 CHANNEL BANDWIDTH=20MHZ	46
6 . APPENDIX F - SPURIOUS EMISSION AT ANTENNA TERMINAL	55
6.1 TEST RESULTS	55
6.2 TEST PLOTS	56
6.2.1 CHANNEL BANDWIDTH=5MHZ	56
6.2.2 CHANNEL BANDWIDTH=15MHZ	65
6.2.3 CHANNEL BANDWIDTH=20MHZ	74
7 . APPENDIX G - FREQUENCY STABILITY	83
7.1 TEST RESULTS	83
7.1.1 FREQUENCY ERROR VS. VOLTAGE	83
7.1.2 FREQUENCY ERROR VS. TEMPERATURE	83

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

1.1 TEST RESULTS

NR Band	SCS [kHz]	BW [Mhz]	Channel	Freq [Mhz]	Modulation	RB config	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
N7	15	5	Low	2502.5	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Left	24.11	26.41	33	PASS
N7	15	5	Low	2502.5	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Right	24.33	26.63	33	PASS
N7	15	5	Low	2502.5	DFT-s-OFDM PI/2 BPSK	Outer_Full	24.2	26.5	33	PASS
N7	15	5	Low	2502.5	DFT-s-OFDM PI/2 BPSK	Inner_Full	24.71	27.01	33	PASS
N7	15	5	Low	2502.5	DFT-s-OFDM QPSK	Edge_1RB_Left	23.51	25.81	33	PASS
N7	15	5	Low	2502.5	DFT-s-OFDM QPSK	Edge_1RB_Right	23.72	26.02	33	PASS
N7	15	5	Low	2502.5	DFT-s-OFDM QPSK	Outer_Full	23.75	26.05	33	PASS
N7	15	5	Low	2502.5	DFT-s-OFDM QPSK	Inner_Full	24.75	27.05	33	PASS
N7	15	5	Low	2502.5	DFT-s-OFDM 16QAM	Edge_1RB_Left	16.85	19.15	33	PASS
N7	15	5	Low	2502.5	DFT-s-OFDM 16QAM	Edge_1RB_Right	16.72	19.02	33	PASS
N7	15	5	Low	2502.5	DFT-s-OFDM 16QAM	Outer_Full	17.13	19.43	33	PASS
N7	15	5	Low	2502.5	DFT-s-OFDM 16QAM	Inner_Full	15.83	18.13	33	PASS
N7	15	5	Middle	2535	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Left	24.6	26.9	33	PASS
N7	15	5	Middle	2535	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Right	24.52	26.82	33	PASS
N7	15	5	Middle	2535	DFT-s-OFDM PI/2 BPSK	Outer_Full	24.62	26.92	33	PASS
N7	15	5	Middle	2535	DFT-s-OFDM PI/2 BPSK	Inner_Full	25.11	27.41	33	PASS
N7	15	5	Middle	2535	DFT-s-OFDM QPSK	Edge_1RB_Left	24	26.3	33	PASS
N7	15	5	Middle	2535	DFT-s-OFDM QPSK	Edge_1RB_Right	23.93	26.23	33	PASS
N7	15	5	Middle	2535	DFT-s-OFDM QPSK	Outer_Full	24.08	26.38	33	PASS
N7	15	5	Middle	2535	DFT-s-OFDM QPSK	Inner_Full	25.15	27.45	33	PASS
N7	15	5	Middle	2535	DFT-s-OFDM 16QAM	Edge_1RB_Left	19.51	21.81	33	PASS
N7	15	5	Middle	2535	DFT-s-OFDM 16QAM	Edge_1RB_Right	19.65	21.95	33	PASS
N7	15	5	Middle	2535	DFT-s-OFDM 16QAM	Outer_Full	19.58	21.88	33	PASS
N7	15	5	Middle	2535	DFT-s-OFDM 16QAM	Inner_Full	18.49	20.79	33	PASS
N7	15	5	High	2567.5	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Left	24.51	26.81	33	PASS
N7	15	5	High	2567.5	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Right	24.53	26.83	33	PASS

NR Band	SCS [kHz]	BW [Mhz]	Channel	Freq [Mhz]	Modulation	RB config	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
N7	15	5	High	2567.5	DFT-s-OFDM PI/2 BPSK	Outer_Full	24.56	26.86	33	PASS
N7	15	5	High	2567.5	DFT-s-OFDM PI/2 BPSK	Inner_Full	25	27.3	33	PASS
N7	15	5	High	2567.5	DFT-s-OFDM QPSK	Edge_1RB_Left	23.92	26.22	33	PASS
N7	15	5	High	2567.5	DFT-s-OFDM QPSK	Edge_1RB_Right	23.92	26.22	33	PASS
N7	15	5	High	2567.5	DFT-s-OFDM QPSK	Outer_Full	24.1	26.4	33	PASS
N7	15	5	High	2567.5	DFT-s-OFDM QPSK	Inner_Full	25.08	27.38	33	PASS
N7	15	5	High	2567.5	DFT-s-OFDM 16QAM	Edge_1RB_Left	20.51	22.81	33	PASS
N7	15	5	High	2567.5	DFT-s-OFDM 16QAM	Edge_1RB_Right	20.77	23.07	33	PASS
N7	15	5	High	2567.5	DFT-s-OFDM 16QAM	Outer_Full	20.97	23.97	33	PASS
N7	15	5	High	2567.5	DFT-s-OFDM 16QAM	Inner_Full	19.52	21.82	33	PASS
N7	15	15	Low	2507.5	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Left	23.76	26.06	33	PASS
N7	15	15	Low	2507.5	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Right	24.23	26.53	33	PASS
N7	15	15	Low	2507.5	DFT-s-OFDM PI/2 BPSK	Outer_Full	24.09	26.39	33	PASS
N7	15	15	Low	2507.5	DFT-s-OFDM PI/2 BPSK	Inner_Full	24.55	26.85	33	PASS
N7	15	15	Low	2507.5	DFT-s-OFDM QPSK	Edge_1RB_Left	23.2	25.5	33	PASS
N7	15	15	Low	2507.5	DFT-s-OFDM QPSK	Edge_1RB_Right	23.85	26.15	33	PASS
N7	15	15	Low	2507.5	DFT-s-OFDM QPSK	Outer_Full	23.58	25.88	33	PASS
N7	15	15	Low	2507.5	DFT-s-OFDM QPSK	Inner_Full	24.62	26.92	33	PASS
N7	15	15	Low	2507.5	DFT-s-OFDM 16QAM	Edge_1RB_Left	16.92	19.22	33	PASS
N7	15	15	Low	2507.5	DFT-s-OFDM 16QAM	Edge_1RB_Right	16.58	18.88	33	PASS
N7	15	15	Low	2507.5	DFT-s-OFDM 16QAM	Outer_Full	17.54	19.84	33	PASS
N7	15	15	Low	2507.5	DFT-s-OFDM 16QAM	Inner_Full	17.64	19.94	33	PASS
N7	15	15	Middle	2535	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Left	24.53	26.83	33	PASS
N7	15	15	Middle	2535	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Right	24	26.3	33	PASS
N7	15	15	Middle	2535	DFT-s-OFDM PI/2 BPSK	Outer_Full	24.38	26.68	33	PASS
N7	15	15	Middle	2535	DFT-s-OFDM PI/2 BPSK	Inner_Full	24.8	27.1	33	PASS
N7	15	15	Middle	2535	DFT-s-OFDM QPSK	Edge_1RB_Left	23.98	26.28	33	PASS
N7	15	15	Middle	2535	DFT-s-OFDM QPSK	Edge_1RB_Right	23.41	25.71	33	PASS

NR Band	SCS [kHz]	BW [Mhz]	Channel	Freq [Mhz]	Modulation	RB config	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
N7	15	15	Middle	2535	DFT-s-OFDM QPSK	Outer_Full	23.94	26.24	33	PASS
N7	15	15	Middle	2535	DFT-s-OFDM QPSK	Inner_Full	24.84	27.14	33	PASS
N7	15	15	Middle	2535	DFT-s-OFDM 16QAM	Edge_1RB_Left	19.25	21.55	33	PASS
N7	15	15	Middle	2535	DFT-s-OFDM 16QAM	Edge_1RB_Right	19.15	21.45	33	PASS
N7	15	15	Middle	2535	DFT-s-OFDM 16QAM	Outer_Full	19.58	21.88	33	PASS
N7	15	15	Middle	2535	DFT-s-OFDM 16QAM	Inner_Full	18.17	20.47	33	PASS
N7	15	15	High	2562.5	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Left	24.23	26.53	33	PASS
N7	15	15	High	2562.5	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Right	24.3	26.6	33	PASS
N7	15	15	High	2562.5	DFT-s-OFDM PI/2 BPSK	Outer_Full	24.38	26.68	33	PASS
N7	15	15	High	2562.5	DFT-s-OFDM PI/2 BPSK	Inner_Full	24.81	27.11	33	PASS
N7	15	15	High	2562.5	DFT-s-OFDM QPSK	Edge_1RB_Left	23.66	25.96	33	PASS
N7	15	15	High	2562.5	DFT-s-OFDM QPSK	Edge_1RB_Right	23.74	26.04	33	PASS
N7	15	15	High	2562.5	DFT-s-OFDM QPSK	Outer_Full	23.85	26.15	33	PASS
N7	15	15	High	2562.5	DFT-s-OFDM QPSK	Inner_Full	24.85	27.15	33	PASS
N7	15	15	High	2562.5	DFT-s-OFDM 16QAM	Edge_1RB_Left	20.15	22.45	33	PASS
N7	15	15	High	2562.5	DFT-s-OFDM 16QAM	Edge_1RB_Right	19.89	22.19	33	PASS
N7	15	15	High	2562.5	DFT-s-OFDM 16QAM	Outer_Full	20.46	22.76	33	PASS
N7	15	15	High	2562.5	DFT-s-OFDM 16QAM	Inner_Full	19.09	21.39	33	PASS
N7	15	20	Low	2510	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Left	23.83	26.13	33	PASS
N7	15	20	Low	2510	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Right	24.54	26.84	33	PASS
N7	15	20	Low	2510	DFT-s-OFDM PI/2 BPSK	Outer_Full	24.32	26.62	33	PASS
N7	15	20	Low	2510	DFT-s-OFDM PI/2 BPSK	Inner_Full	24.66	26.96	33	PASS
N7	15	20	Low	2510	DFT-s-OFDM QPSK	Edge_1RB_Left	23.24	25.54	33	PASS
N7	15	20	Low	2510	DFT-s-OFDM QPSK	Edge_1RB_Right	24.08	26.38	33	PASS
N7	15	20	Low	2510	DFT-s-OFDM QPSK	Outer_Full	23.67	25.97	33	PASS
N7	15	20	Low	2510	DFT-s-OFDM QPSK	Inner_Full	24.68	26.98	33	PASS
N7	15	20	Low	2510	DFT-s-OFDM 16QAM	Edge_1RB_Left	17	19.3	33	PASS
N7	15	20	Low	2510	DFT-s-OFDM 16QAM	Edge_1RB_Right	16.44	18.74	33	PASS

NR Band	SCS [kHz]	BW [Mhz]	Channel	Freq [Mhz]	Modulation	RB config	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
N7	15	20	Low	2510	DFT-s-OFDM 16QAM	Outer_Full	17.84	20.14	33	PASS
N7	15	20	Low	2510	DFT-s-OFDM 16QAM	Inner_Full	16.03	18.33	33	PASS
N7	15	20	Middle	2535	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Left	24.44	26.74	33	PASS
N7	15	20	Middle	2535	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Right	24.03	26.33	33	PASS
N7	15	20	Middle	2535	DFT-s-OFDM PI/2 BPSK	Outer_Full	24.46	26.76	33	PASS
N7	15	20	Middle	2535	DFT-s-OFDM PI/2 BPSK	Inner_Full	24.84	27.14	33	PASS
N7	15	20	Middle	2535	DFT-s-OFDM QPSK	Edge_1RB_Left	23.93	26.23	33	PASS
N7	15	20	Middle	2535	DFT-s-OFDM QPSK	Edge_1RB_Right	23.62	25.92	33	PASS
N7	15	20	Middle	2535	DFT-s-OFDM QPSK	Outer_Full	23.93	26.23	33	PASS
N7	15	20	Middle	2535	DFT-s-OFDM QPSK	Inner_Full	24.88	27.18	33	PASS
N7	15	20	Middle	2535	DFT-s-OFDM 16QAM	Edge_1RB_Left	19.22	21.52	33	PASS
N7	15	20	Middle	2535	DFT-s-OFDM 16QAM	Edge_1RB_Right	18.76	21.06	33	PASS
N7	15	20	Middle	2535	DFT-s-OFDM 16QAM	Outer_Full	19.34	21.64	33	PASS
N7	15	20	Middle	2535	DFT-s-OFDM 16QAM	Inner_Full	18.18	20.48	33	PASS
N7	15	20	High	2560	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Left	24.26	26.56	33	PASS
N7	15	20	High	2560	DFT-s-OFDM PI/2 BPSK	Edge_1RB_Right	24.31	26.61	33	PASS
N7	15	20	High	2560	DFT-s-OFDM PI/2 BPSK	Outer_Full	24.46	26.76	33	PASS
N7	15	20	High	2560	DFT-s-OFDM PI/2 BPSK	Inner_Full	24.88	27.18	33	PASS
N7	15	20	High	2560	DFT-s-OFDM QPSK	Edge_1RB_Left	23.61	25.91	33	PASS
N7	15	20	High	2560	DFT-s-OFDM QPSK	Edge_1RB_Right	23.72	26.02	33	PASS
N7	15	20	High	2560	DFT-s-OFDM QPSK	Outer_Full	23.91	26.21	33	PASS
N7	15	20	High	2560	DFT-s-OFDM QPSK	Inner_Full	24.91	27.21	33	PASS
N7	15	20	High	2560	DFT-s-OFDM 16QAM	Edge_1RB_Left	19.96	22.26	33	PASS
N7	15	20	High	2560	DFT-s-OFDM 16QAM	Edge_1RB_Right	19.69	21.99	33	PASS
N7	15	20	High	2560	DFT-s-OFDM 16QAM	Outer_Full	20.4	22.7	33	PASS
N7	15	20	High	2560	DFT-s-OFDM 16QAM	Inner_Full	18.97	21.27	33	PASS

2. APPENDIX B - PEAK-TO-AVERAGE RATIO

2.1 TEST RESULTS

NR Band	SCS [kHz]	BW [Mhz]	Channel	Freq [Mhz]	Modulation	RB config	Measured [dBm]	Limit [dBm]	Verdict
N7	15	5	Middle	2535.0	DFT-s-OFDM PI/2 BPSK	Outer_Full	6.87	≤13	PASS
N7	15	5	Middle	2535.0	DFT-s-OFDM QPSK	Outer_Full	6.29	≤13	PASS
N7	15	5	Middle	2535.0	DFT-s-OFDM 16QAM	Outer_Full	7.29	≤13	PASS
N7	15	5	Middle	2535.0	DFT-s-OFDM 64QAM	Outer_Full	7.12	≤13	PASS
N7	15	5	Middle	2535.0	DFT-s-OFDM 256QAM	Outer_Full	7.28	≤13	PASS
N7	15	5	Middle	2535.0	CP-OFDM QPSK	Outer_Full	8.24	≤13	PASS
N7	15	5	Middle	2535.0	CP-OFDM 16QAM	Outer_Full	8.18	≤13	PASS
N7	15	5	Middle	2535.0	CP-OFDM 64QAM	Outer_Full	8.56	≤13	PASS
N7	15	5	Middle	2535.0	CP-OFDM 256QAM	Outer_Full	8.58	≤13	PASS
N7	15	15	Middle	2535.0	DFT-s-OFDM PI/2 BPSK	Outer_Full	9.58	≤13	PASS
N7	15	15	Middle	2535.0	DFT-s-OFDM QPSK	Outer_Full	7.84	≤13	PASS
N7	15	15	Middle	2535.0	DFT-s-OFDM 16QAM	Outer_Full	7.86	≤13	PASS
N7	15	15	Middle	2535.0	DFT-s-OFDM 64QAM	Outer_Full	8.07	≤13	PASS
N7	15	15	Middle	2535.0	DFT-s-OFDM 256QAM	Outer_Full	8.6	≤13	PASS
N7	15	15	Middle	2535.0	CP-OFDM QPSK	Outer_Full	8.9	≤13	PASS
N7	15	15	Middle	2535.0	CP-OFDM 16QAM	Outer_Full	8.63	≤13	PASS
N7	15	15	Middle	2535.0	CP-OFDM 64QAM	Outer_Full	8.92	≤13	PASS
N7	15	15	Middle	2535.0	CP-OFDM 256QAM	Outer_Full	9.1	≤13	PASS
N7	15	20	Middle	2535.0	DFT-s-OFDM PI/2 BPSK	Outer_Full	8.59	≤13	PASS
N7	15	20	Middle	2535.0	DFT-s-OFDM QPSK	Outer_Full	8.01	≤13	PASS
N7	15	20	Middle	2535.0	DFT-s-OFDM 16QAM	Outer_Full	8.64	≤13	PASS
N7	15	20	Middle	2535.0	DFT-s-OFDM 64QAM	Outer_Full	7.85	≤13	PASS
N7	15	20	Middle	2535.0	DFT-s-OFDM 256QAM	Outer_Full	8.09	≤13	PASS
N7	15	20	Middle	2535.0	CP-OFDM QPSK	Outer_Full	8.72	≤13	PASS
N7	15	20	Middle	2535.0	CP-OFDM 16QAM	Outer_Full	8.75	≤13	PASS
N7	15	20	Middle	2535.0	CP-OFDM 64QAM	Outer_Full	8.55	≤13	PASS
N7	15	20	Middle	2535.0	CP-OFDM 256QAM	Outer_Full	8.97	≤13	PASS

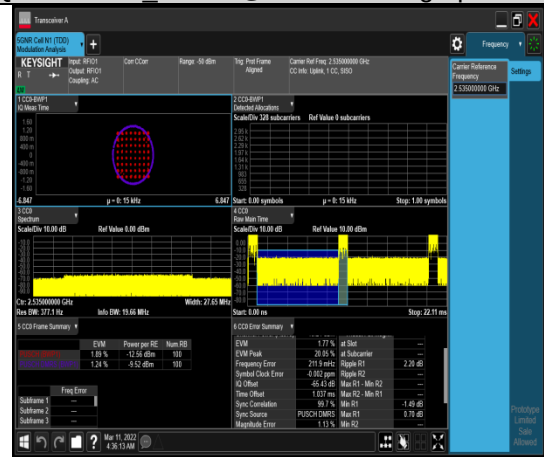
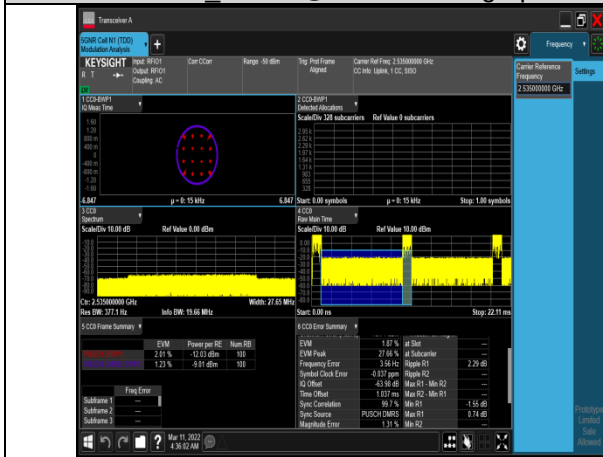
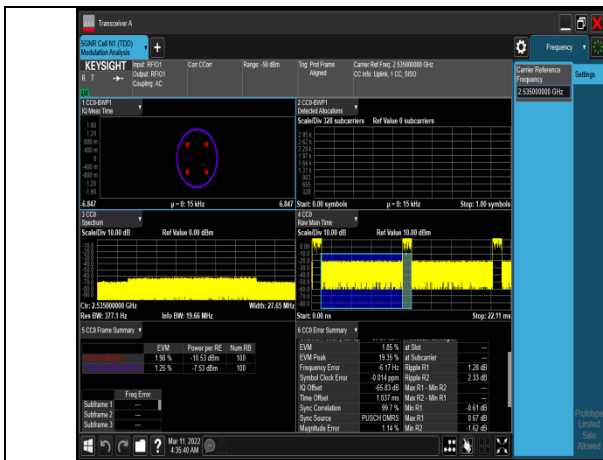
3. APPENDIX C - MODULATION CHARACTERISTICS

3.1 TEST RESULTS

NR Band	SCS [kHz]	BW [Mhz]	Channel	Freq [Mhz]	Modulation	RB config	Verdict
N7	15	20	Middle	2535.0	DFT-s-OFDM PI/2 BPSK	Outer_Full	PASS
N7	15	20	Middle	2535.0	DFT-s-OFDM QPSK	Outer_Full	PASS
N7	15	20	Middle	2535.0	DFT-s-OFDM 16QAM	Outer_Full	PASS
N7	15	20	Middle	2535.0	DFT-s-OFDM 64QAM	Outer_Full	PASS
N7	15	20	Middle	2535.0	DFT-s-OFDM 256QAM	Outer_Full	PASS
N7	15	20	Middle	2535.0	CP-OFDM QPSK	Outer_Full	PASS
N7	15	20	Middle	2535.0	CP-OFDM 16QAM	Outer_Full	PASS
N7	15	20	Middle	2535.0	CP-OFDM 64QAM	Outer_Full	PASS
N7	15	20	Middle	2535.0	CP-OFDM 256QAM	Outer_Full	PASS

3.2 TEST PLOTS

3.2.1 CHANNEL BANDWIDTH=20MHZ





1-N7-PC3-15-20-M-7-CP-OFDM
16QAM-Outer_Full-53@26-Ant1-see graph-PASS



1-N7-PC3-15-20-M-8-CP-OFDM
64QAM-Outer_Full-53@26-Ant1-see graph-PASS



1-N7-PC3-15-20-M-9-CP-OFDM
256QAM-Outer_Full-53@26-Ant1-see graph-PASS

4. APPENDIX D - BANDWIDTH

4.1 TEST RESULTS

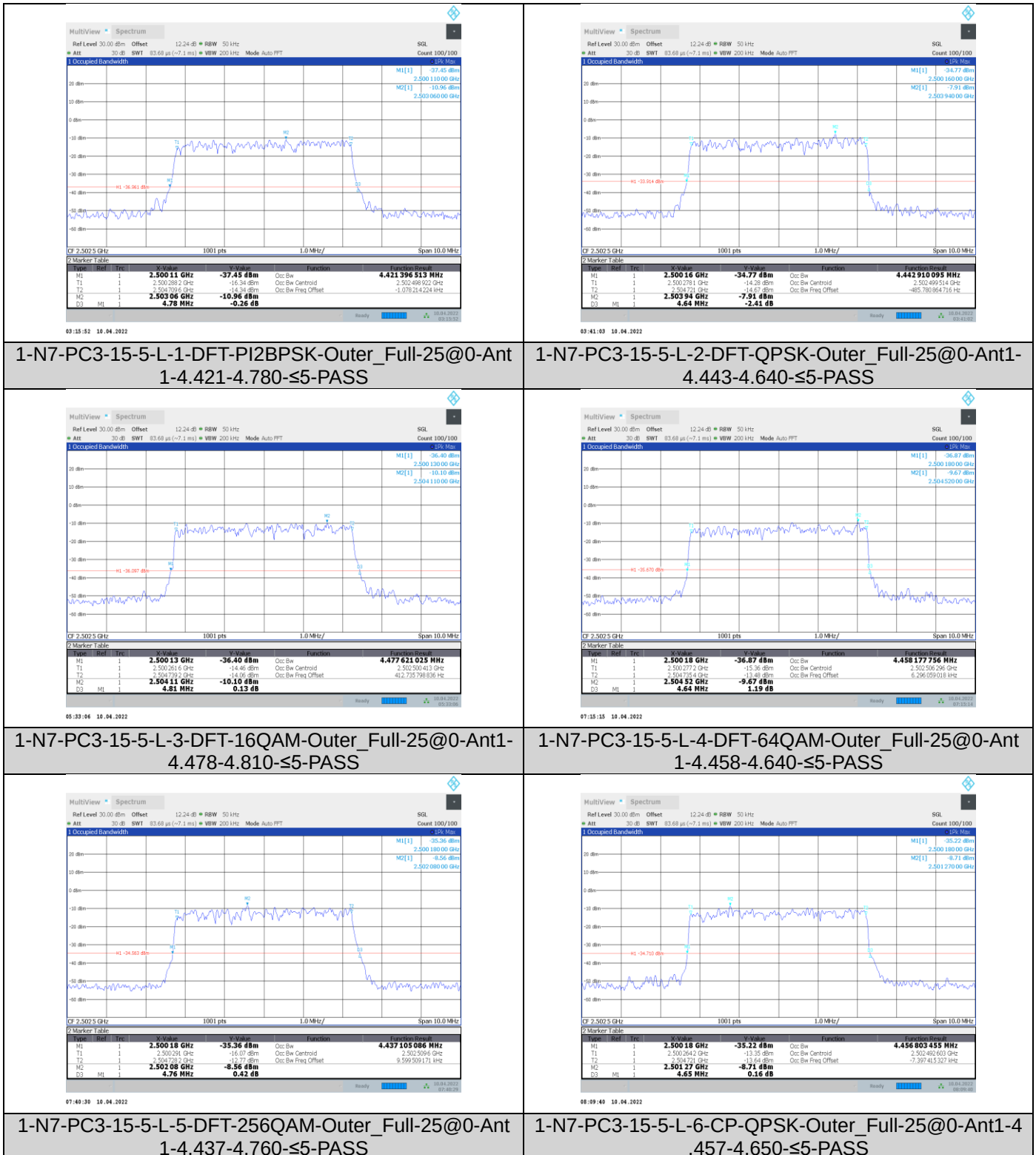
NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [Mhz]	Modulation	RB config	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
N7	15	5	Low	2502.5	DFT-PI2BPSK	Outer_Full	4.421	4.780	PASS
N7	15	5	Low	2502.5	DFT-QPSK	Outer_Full	4.443	4.640	PASS
N7	15	5	Low	2502.5	DFT-16QAM	Outer_Full	4.478	4.810	PASS
N7	15	5	Low	2502.5	DFT-64QAM	Outer_Full	4.458	4.640	PASS
N7	15	5	Low	2502.5	DFT-256QAM	Outer_Full	4.437	4.760	PASS
N7	15	5	Low	2502.5	CP-QPSK	Outer_Full	4.457	4.650	PASS
N7	15	5	Low	2502.5	CP-16QAM	Outer_Full	4.457	4.740	PASS
N7	15	5	Low	2502.5	CP-64QAM	Outer_Full	4.474	4.750	PASS
N7	15	5	Low	2502.5	CP-256QAM	Outer_Full	4.43	4.780	PASS
N7	15	5	Middle	2535.0	DFT-PI2BPSK	Outer_Full	4.458	4.610	PASS
N7	15	5	Middle	2535.0	DFT-QPSK	Outer_Full	4.475	4.820	PASS
N7	15	5	Middle	2535.0	DFT-16QAM	Outer_Full	4.426	4.610	PASS
N7	15	5	Middle	2535.0	DFT-64QAM	Outer_Full	4.456	4.630	PASS
N7	15	5	Middle	2535.0	DFT-256QAM	Outer_Full	4.463	4.640	PASS
N7	15	5	Middle	2535.0	CP-QPSK	Outer_Full	4.472	4.910	PASS
N7	15	5	Middle	2535.0	CP-16QAM	Outer_Full	4.475	4.750	PASS
N7	15	5	Middle	2535.0	CP-64QAM	Outer_Full	4.473	4.630	PASS
N7	15	5	Middle	2535.0	CP-256QAM	Outer_Full	4.473	4.800	PASS
N7	15	5	High	2567.5	DFT-PI2BPSK	Outer_Full	4.466	4.710	PASS
N7	15	5	High	2567.5	DFT-QPSK	Outer_Full	4.465	4.830	PASS
N7	15	5	High	2567.5	DFT-16QAM	Outer_Full	4.471	4.790	PASS
N7	15	5	High	2567.5	DFT-64QAM	Outer_Full	4.443	4.700	PASS
N7	15	5	High	2567.5	DFT-256QAM	Outer_Full	4.46	4.660	PASS
N7	15	5	High	2567.5	CP-QPSK	Outer_Full	4.45	4.610	PASS
N7	15	5	High	2567.5	CP-16QAM	Outer_Full	4.469	4.670	PASS
N7	15	5	High	2567.5	CP-64QAM	Outer_Full	4.475	4.850	PASS
N7	15	5	High	2567.5	CP-256QAM	Outer_Full	4.465	4.840	PASS
N7	15	10	Low	2505.0	DFT-PI2BPSK	Outer_Full	9.227	9.620	PASS
N7	15	10	Low	2505.0	DFT-QPSK	Outer_Full	9.203	9.600	PASS
N7	15	10	Low	2505.0	DFT-16QAM	Outer_Full	9.29	9.680	PASS
N7	15	10	Low	2505.0	DFT-64QAM	Outer_Full	9.269	9.660	PASS
N7	15	10	Low	2505.0	DFT-256QAM	Outer_Full	8.876	9.220	PASS
N7	15	10	Low	2505.0	CP-QPSK	Outer_Full	8.924	9.300	PASS
N7	15	10	Low	2505.0	CP-16QAM	Outer_Full	8.879	9.300	PASS
N7	15	10	Low	2505.0	CP-64QAM	Outer_Full	8.86	9.240	PASS
N7	15	10	Low	2505.0	CP-256QAM	Outer_Full	8.893	9.460	PASS
N7	15	10	Middle	2535.0	DFT-PI2BPSK	Outer_Full	9.255	9.700	PASS
N7	15	10	Middle	2535.0	DFT-QPSK	Outer_Full	9.29	9.700	PASS
N7	15	10	Middle	2535.0	DFT-16QAM	Outer_Full	9.285	9.620	PASS
N7	15	10	Middle	2535.0	DFT-64QAM	Outer_Full	9.265	9.740	PASS
N7	15	10	Middle	2535.0	DFT-256QAM	Outer_Full	8.948	9.300	PASS
N7	15	10	Middle	2535.0	CP-QPSK	Outer_Full	8.921	9.460	PASS
N7	15	10	Middle	2535.0	CP-16QAM	Outer_Full	8.968	9.440	PASS
N7	15	10	Middle	2535.0	CP-64QAM	Outer_Full	8.916	9.260	PASS
N7	15	10	Middle	2535.0	CP-256QAM	Outer_Full	8.919	9.420	PASS
N7	15	10	High	2565.0	DFT-PI2BPSK	Outer_Full	9.273	9.680	PASS
N7	15	10	High	2565.0	DFT-QPSK	Outer_Full	9.294	9.800	PASS
N7	15	10	High	2565.0	DFT-16QAM	Outer_Full	8.925	9.340	PASS
N7	15	10	High	2565.0	DFT-64QAM	Outer_Full	9.285	9.700	PASS
N7	15	10	High	2565.0	DFT-256QAM	Outer_Full	8.932	9.400	PASS

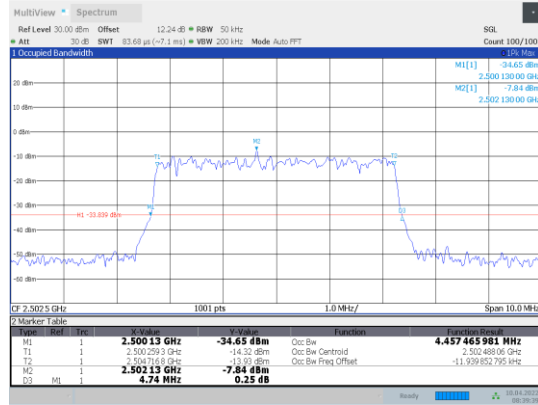
NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
N7	15	10	High	2565.0	CP-QPSK	Outer_Full	8.941	9.500	PASS
N7	15	10	High	2565.0	CP-16QAM	Outer_Full	8.92	9.320	PASS
N7	15	10	High	2565.0	CP-64QAM	Outer_Full	8.91	9.340	PASS
N7	15	10	High	2565.0	CP-256QAM	Outer_Full	8.945	9.300	PASS
N7	15	15	Low	2507.5	DFT-PI2BPSK	Outer_Full	14.079	14.850	PASS
N7	15	15	Low	2507.5	DFT-QPSK	Outer_Full	14.072	14.670	PASS
N7	15	15	Low	2507.5	DFT-16QAM	Outer_Full	14.123	14.700	PASS
N7	15	15	Low	2507.5	DFT-64QAM	Outer_Full	14.072	14.820	PASS
N7	15	15	Low	2507.5	DFT-256QAM	Outer_Full	13.385	14.100	PASS
N7	15	15	Low	2507.5	CP-QPSK	Outer_Full	13.33	14.040	PASS
N7	15	15	Low	2507.5	CP-16QAM	Outer_Full	13.296	14.100	PASS
N7	15	15	Low	2507.5	CP-64QAM	Outer_Full	13.402	14.040	PASS
N7	15	15	Low	2507.5	CP-256QAM	Outer_Full	13.469	14.070	PASS
N7	15	15	Middle	2535.0	CP-QPSK	Outer_Full	14.094	14.820	PASS
N7	15	15	Middle	2535.0	CP-16QAM	Outer_Full	14.026	14.700	PASS
N7	15	15	Middle	2535.0	CP-64QAM	Outer_Full	14.07	14.790	PASS
N7	15	15	Middle	2535.0	CP-256QAM	Outer_Full	14.088	14.730	PASS
N7	15	15	Middle	2535.0	DFT-PI2BPSK	Outer_Full	13.448	13.980	PASS
N7	15	15	Middle	2535.0	DFT-QPSK	Outer_Full	13.416	14.070	PASS
N7	15	15	Middle	2535.0	DFT-16QAM	Outer_Full	13.328	14.040	PASS
N7	15	15	Middle	2535.0	DFT-64QAM	Outer_Full	13.369	14.190	PASS
N7	15	15	Middle	2535.0	DFT-256QAM	Outer_Full	13.431	14.130	PASS
N7	15	15	High	2562.5	CP-QPSK	Outer_Full	14.146	14.790	PASS
N7	15	15	High	2562.5	CP-16QAM	Outer_Full	14.081	14.700	PASS
N7	15	15	High	2562.5	CP-64QAM	Outer_Full	14.102	14.700	PASS
N7	15	15	High	2562.5	CP-256QAM	Outer_Full	14.116	14.700	PASS
N7	15	15	High	2562.5	DFT-PI2BPSK	Outer_Full	13.361	14.040	PASS
N7	15	15	High	2562.5	DFT-QPSK	Outer_Full	13.417	14.130	PASS
N7	15	15	High	2562.5	DFT-16QAM	Outer_Full	13.379	13.980	PASS
N7	15	15	High	2562.5	DFT-64QAM	Outer_Full	13.454	14.040	PASS
N7	15	15	High	2562.5	DFT-256QAM	Outer_Full	13.427	13.980	PASS
N7	15	20	Low	2510.0	CP-QPSK	Outer_Full	18.917	19.720	PASS
N7	15	20	Low	2510.0	CP-16QAM	Outer_Full	18.811	19.600	PASS
N7	15	20	Low	2510.0	CP-64QAM	Outer_Full	18.823	19.520	PASS
N7	15	20	Low	2510.0	CP-256QAM	Outer_Full	18.827	19.640	PASS
N7	15	20	Low	2510.0	DFT-PI2BPSK	Outer_Full	17.732	18.440	PASS
N7	15	20	Low	2510.0	DFT-QPSK	Outer_Full	17.887	18.680	PASS
N7	15	20	Low	2510.0	DFT-16QAM	Outer_Full	17.83	18.520	PASS
N7	15	20	Low	2510.0	DFT-64QAM	Outer_Full	17.875	18.520	PASS
N7	15	20	Low	2510.0	DFT-256QAM	Outer_Full	17.79	18.480	PASS
N7	15	20	Middle	2535.0	CP-QPSK	Outer_Full	18.864	19.600	PASS
N7	15	20	Middle	2535.0	CP-16QAM	Outer_Full	18.811	19.520	PASS
N7	15	20	Middle	2535.0	CP-64QAM	Outer_Full	18.83	19.560	PASS
N7	15	20	Middle	2535.0	CP-256QAM	Outer_Full	18.843	19.680	PASS
N7	15	20	Middle	2535.0	DFT-PI2BPSK	Outer_Full	17.785	18.600	PASS
N7	15	20	Middle	2535.0	DFT-QPSK	Outer_Full	17.913	18.520	PASS
N7	15	20	Middle	2535.0	DFT-16QAM	Outer_Full	17.838	18.480	PASS
N7	15	20	Middle	2535.0	DFT-64QAM	Outer_Full	17.918	18.520	PASS
N7	15	20	Middle	2535.0	DFT-256QAM	Outer_Full	17.852	18.600	PASS
N7	15	20	High	2560.0	CP-QPSK	Outer_Full	18.987	19.600	PASS
N7	15	20	High	2560.0	CP-16QAM	Outer_Full	18.937	19.760	PASS
N7	15	20	High	2560.0	CP-64QAM	Outer_Full	19.006	19.680	PASS
N7	15	20	High	2560.0	CP-256QAM	Outer_Full	18.933	19.600	PASS
N7	15	20	High	2560.0	DFT-PI2BPSK	Outer_Full	17.795	18.520	PASS
N7	15	20	High	2560.0	DFT-QPSK	Outer_Full	17.869	18.560	PASS

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [Mhz]	Modulation	RB config	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
N7	15	20	High	2560.0	DFT-16QAM	Outer_Full	17.847	18.440	PASS
N7	15	20	High	2560.0	DFT-64QAM	Outer_Full	17.923	18.560	PASS
N7	15	20	High	2560.0	DFT-256QAM	Outer_Full	17.907	18.600	PASS

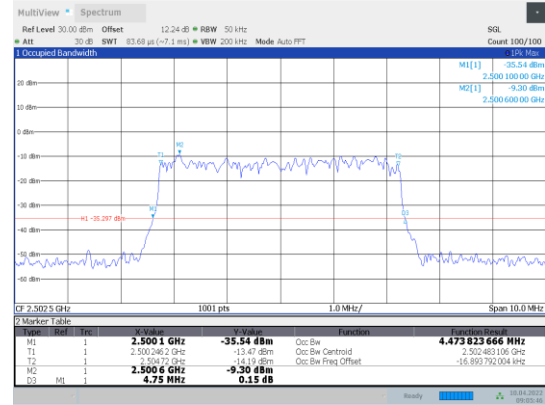
4.2 TEST PLOTS

4.2.1 CHANNEL BANDWIDTH=5MHZ

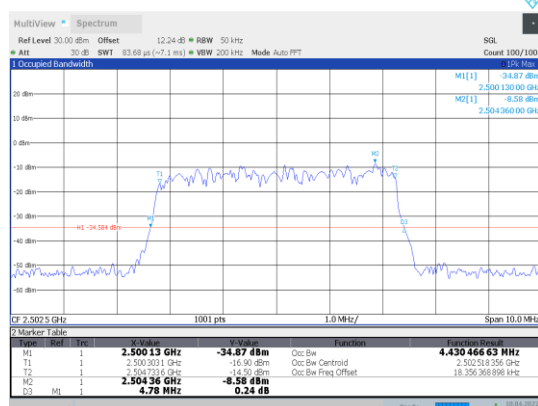




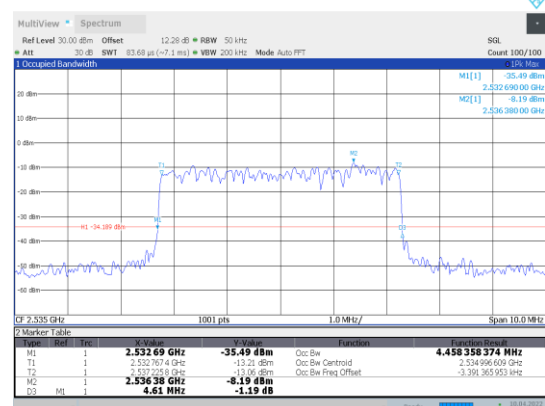
1-N7-PC3-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1
-4.457-4.740- ≤ 5 -PASS



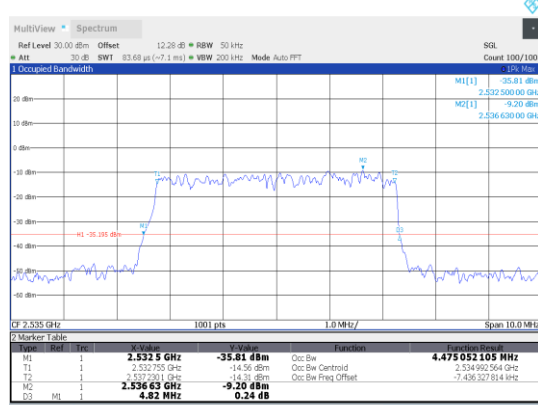
1-N7-PC3-15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4
.474-4.750- ≤ 5 -PASS



1-N7-PC3-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant
1-4.43-4.780- ≤ 5 -PASS



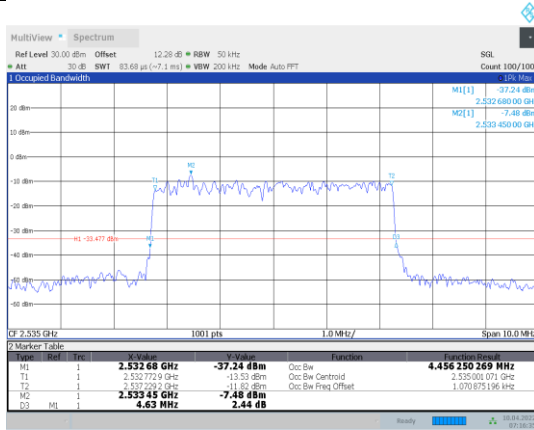
1-N7-PC3-15-5-M-1-DFT-PI2BPSK-Outer_Full-25@0-Ant
1-4.458-4.610- ≤ 5 -PASS



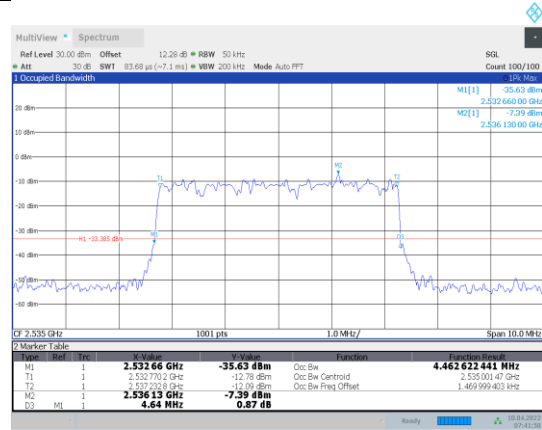
1-N7-PC3-15-5-M-2-DFT-QPSK-Outer_Full-25@0-Ant
1-4.475-4.820- ≤ 5 -PASS



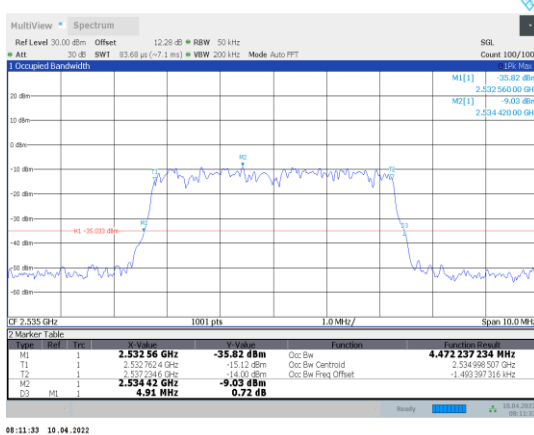
1-N7-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1
-4.426-4.610- ≤ 5 -PASS



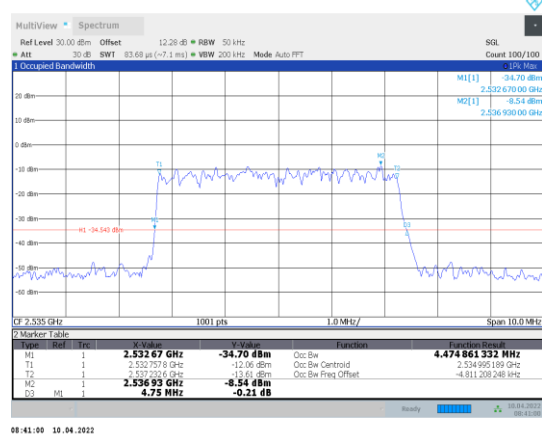
1-N7-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant
1-4.456-4.630-≤5-PASS



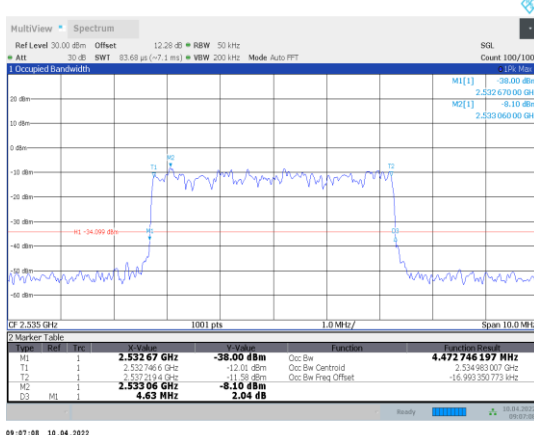
1-N7-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant
1-4.463-4.640-≤5-PASS



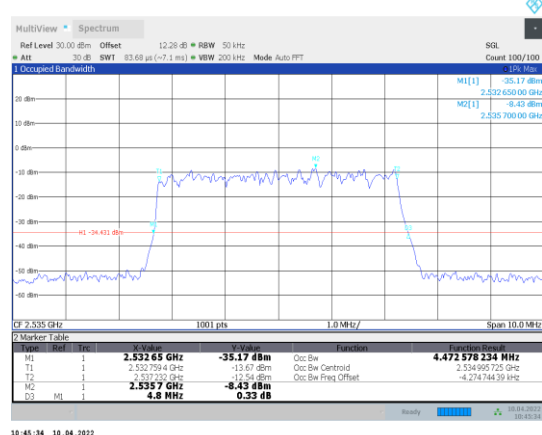
1-N7-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1
4.472-4.910-≤5-PASS



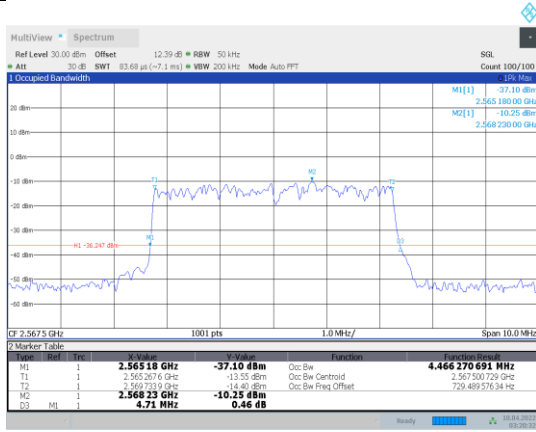
1-N7-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1
4.475-4.750-≤5-PASS



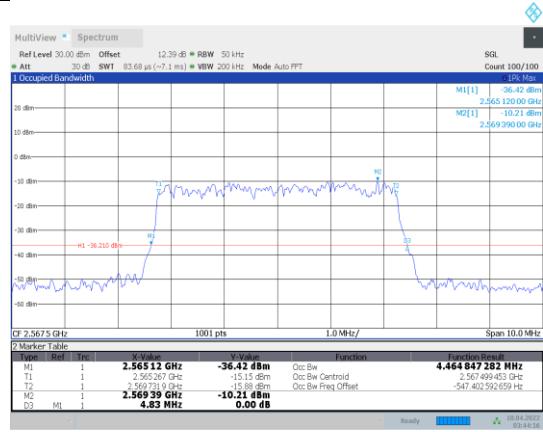
1-N7-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1
-4.473-4.630-≤5-PASS



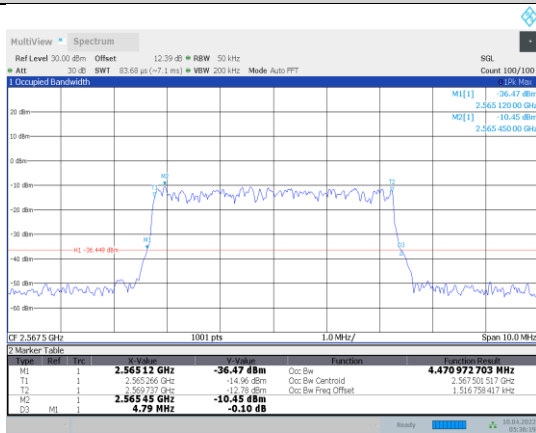
1-N7-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant
1-4.473-4.800-≤5-PASS



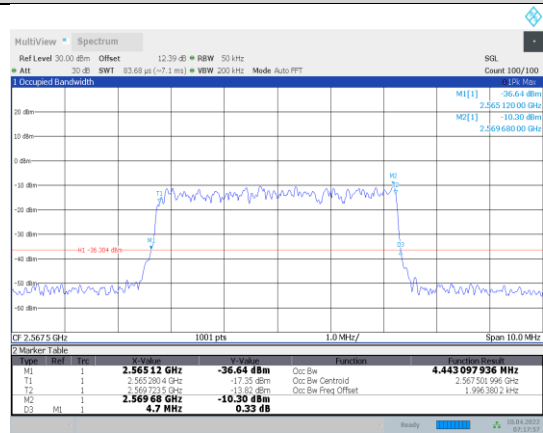
1-N7-PC3-15-5-H-1-DFT-PI2BPSK-Outet_Full-25@0-Ant
t1-4.466-4.710-≤5-PASS



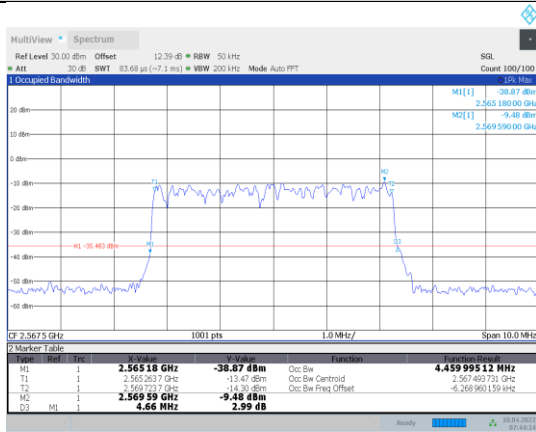
1-N7-PC3-15-5-H-2-DFT-QPSK-Outet_Full-25@0-Ant1
-4.465-4.830-≤5-PASS



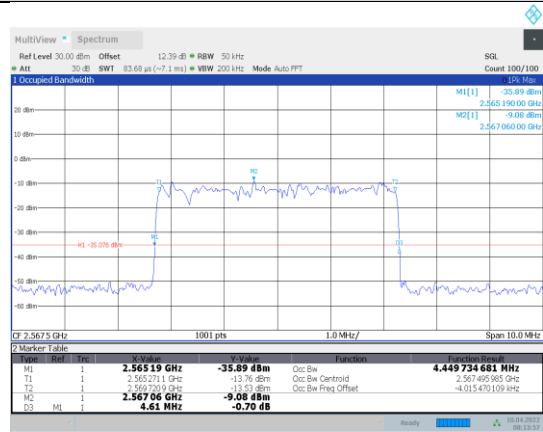
1-N7-PC3-15-5-H-3-DFT-16QAM-Outet_Full-25@0-Ant1
-4.471-4.790-≤5-PASS



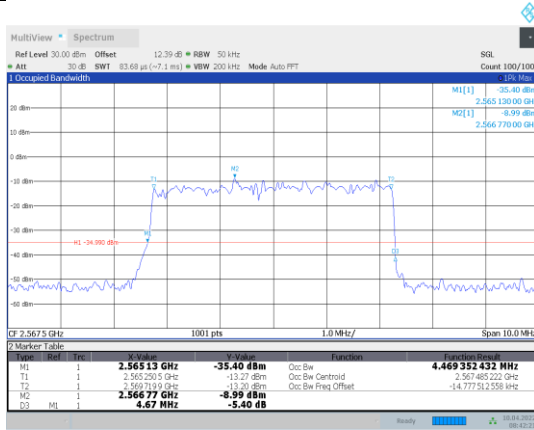
1-N7-PC3-15-5-H-4-DFT-64QAM-Outet_Full-25@0-Ant
1-4.443-4.700-≤5-PASS



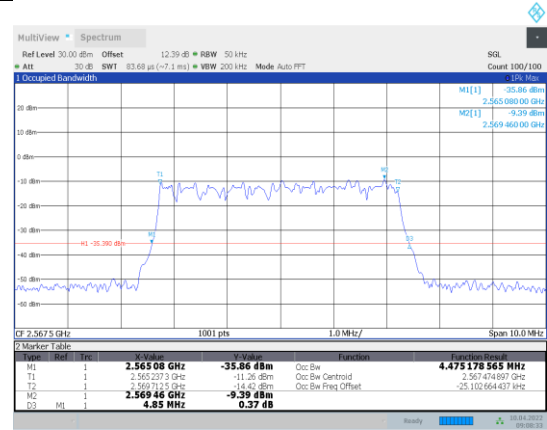
1-N7-PC3-15-5-H-5-DFT-256QAM-Outet_Full-25@0-Ant
1-4.46-4.660-≤5-PASS



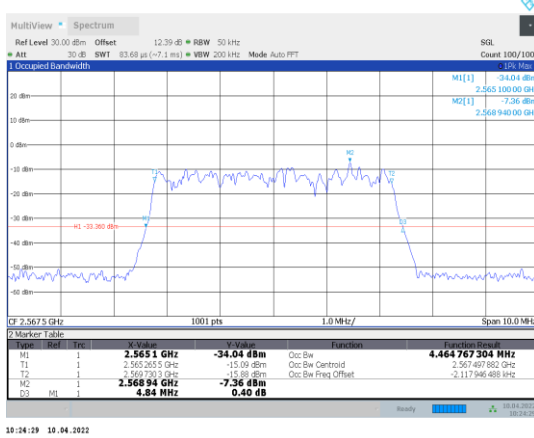
1-N7-PC3-15-5-H-6-CP-QPSK-Outet_Full-25@0-Ant1-
4.45-4.610-≤5-PASS



1-N7-PC3-15-5-H-7-CP-16QAM-Outer_Full-25@0-Ant1-4.469-4.670≤5-PASS

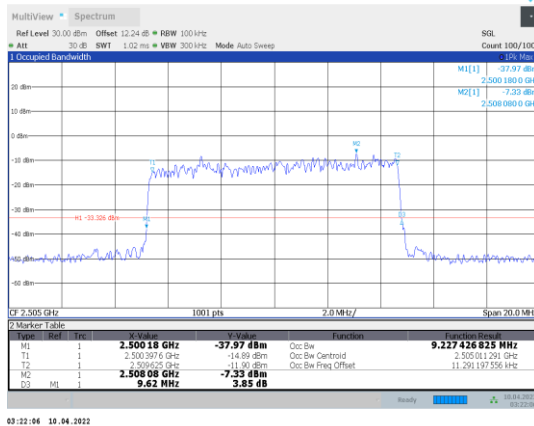


1-N7-PC3-15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.475-4.850≤5-PASS

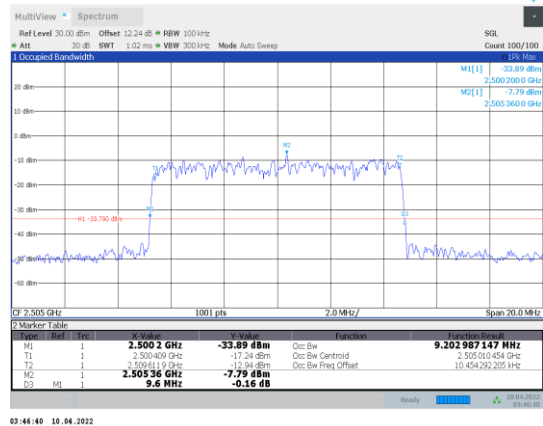


1-N7-PC3-15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1-4.465-4.840≤5-PASS

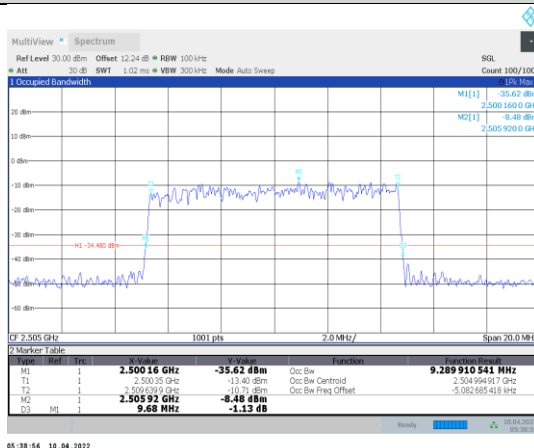
4.2.2 CHANNEL BANDWIDTH=10MHZ



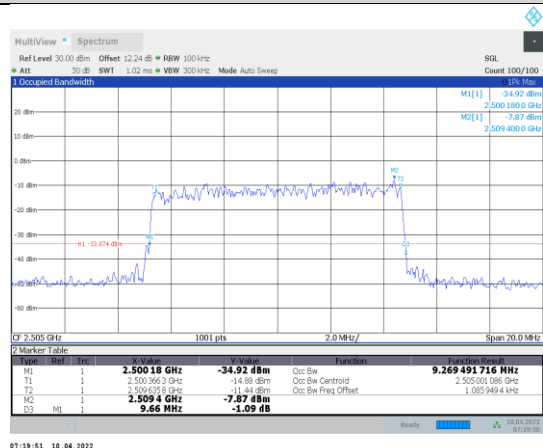
1-N7-PC3-15-10-L-1-DFT-PI2BPSK-Outer_Full-50@0-A
nt1-9.227-9.620-≤10-PASS



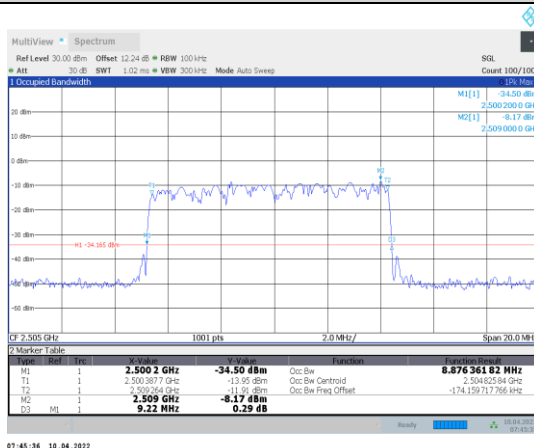
1-N7-PC3-15-10-L-2-DFT-QPSK-Outter_Full-50@0-Ant
1-9.203-9.600-≤10-PASS



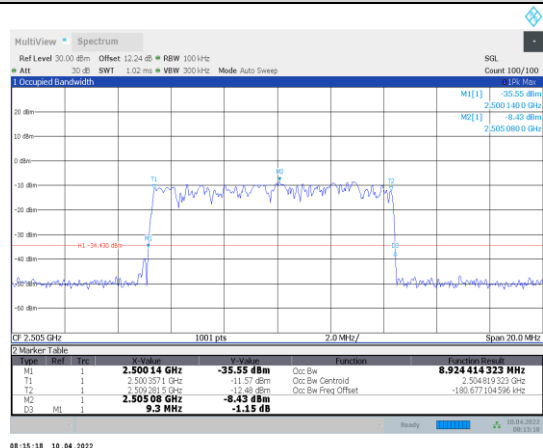
1-N7-PC3-15-10-L-3-DFT-16QAM-Outer_Full-50@0-Ant
1-9.29-9.680-≤10-PASS



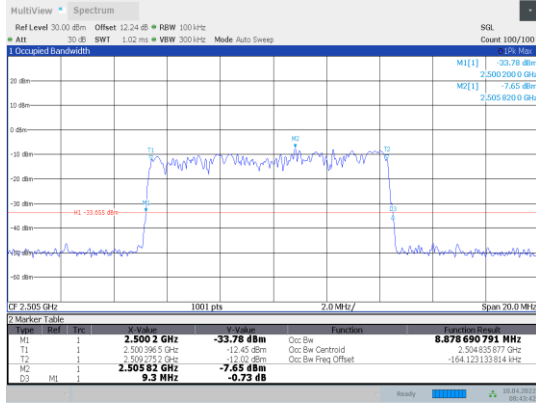
1-N7-PC3-15-10-L-4-DFT-64QAM-Outer_Full-50@0-An
t1-9.269-9.660-≤10-PASS



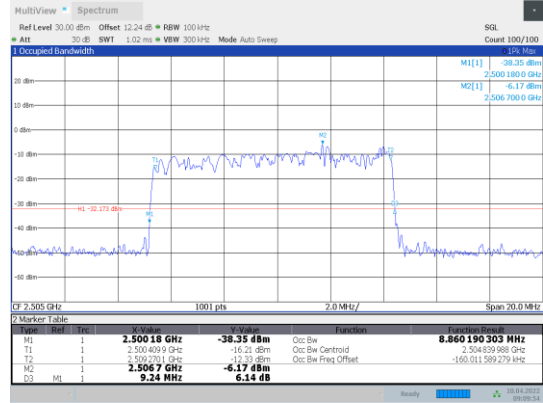
1-N7-PC3-15-10-L-5-DFT-256QAM-Outer_Full-50@0-An
t1-8.876-9.220-≤10-PASS



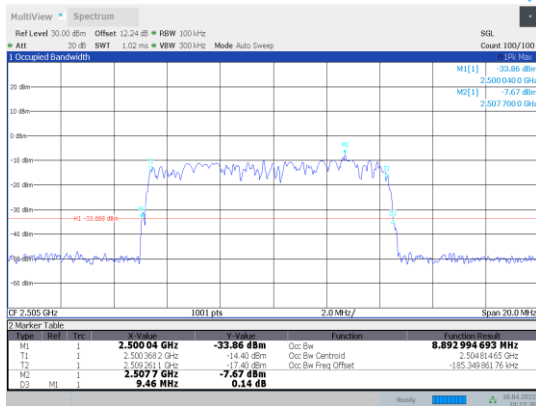
1-N7-PC3-15-10-L-6-CP-QPSK-Outter_Full-52@0-Ant1-
8.924-9.300-≤10-PASS



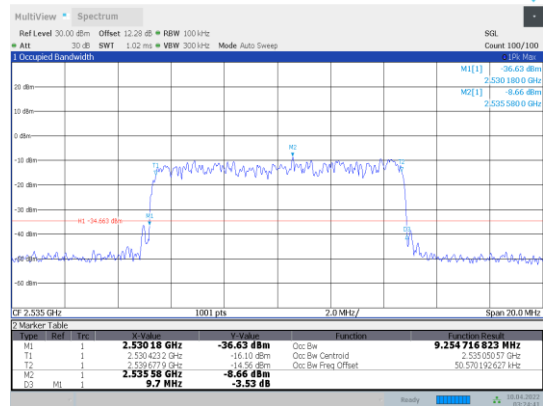
1-N7-PC3-15-10-L-7-CP-16QAM-Outer_Full-52@0-Ant1
1-8.879-9.300-≤10-PASS



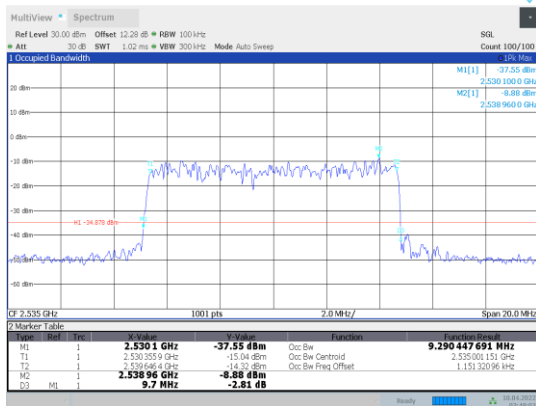
1-N7-PC3-15-10-L-8-CP-64QAM-Outer_Full-52@0-Ant1
8.86-9.240-≤10-PASS



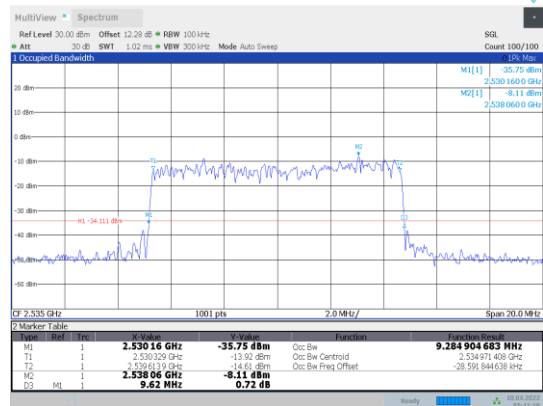
1-N7-PC3-15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant1
1-8.893-9.460-≤10-PASS



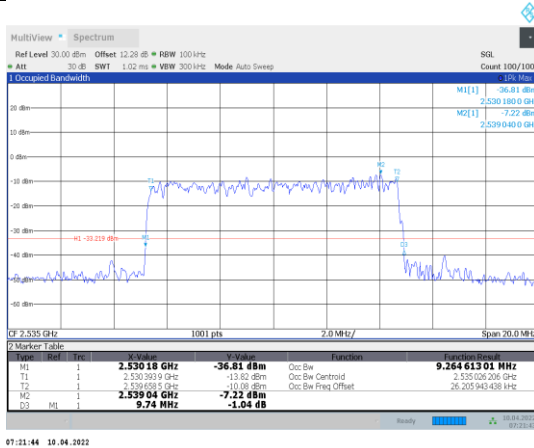
1-N7-PC3-15-10-M-1-DFT-PI2BPSK-Outer_Full-50@0-Ant1
1-9.255-9.700-≤10-PASS



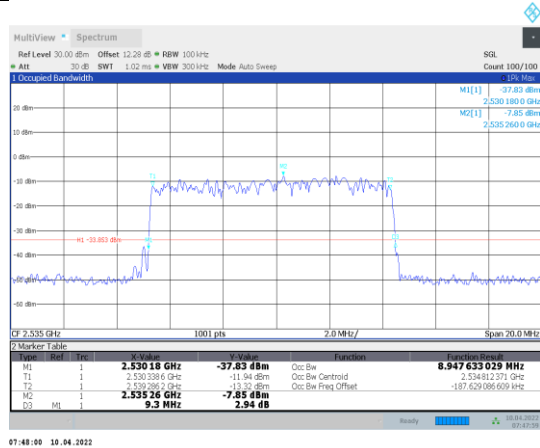
1-N7-PC3-15-10-M-2-DFT-QPSK-Outer_Full-50@0-Ant1
1-9.29-9.700-≤10-PASS



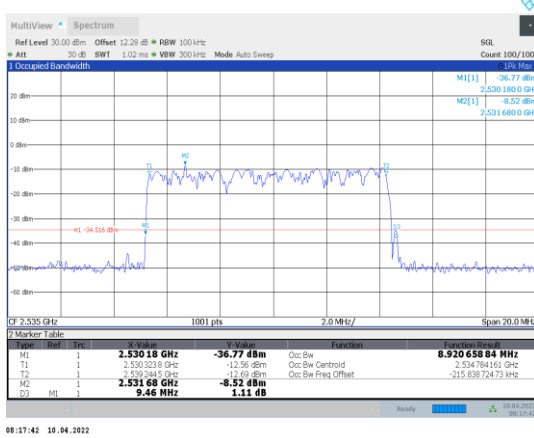
1-N7-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1
1-9.285-9.620-≤10-PASS



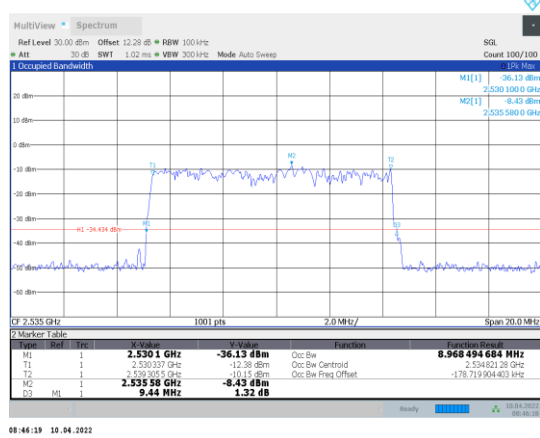
1-N7-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-A
nt1-9.265-9.740-≤10-PASS



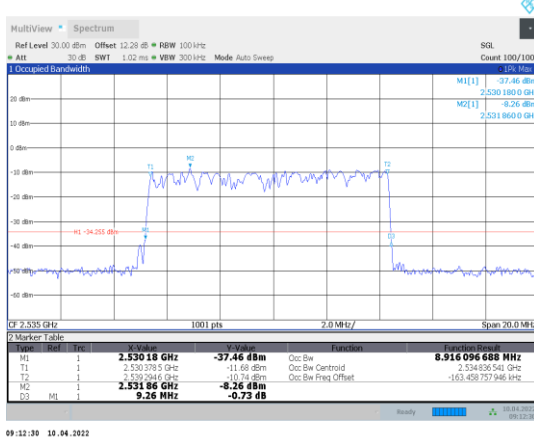
1-N7-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-A
nt1-8.948-9.300-≤10-PASS



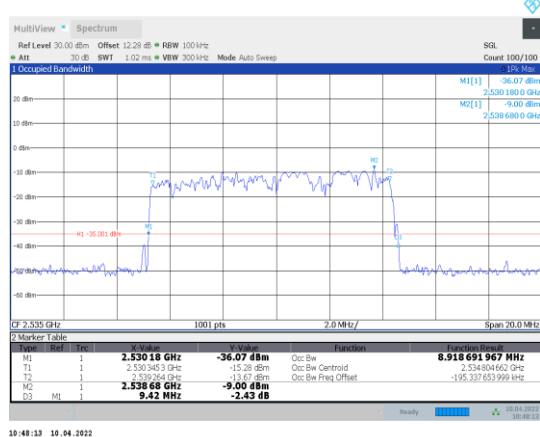
1-N7-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1
-8.921-9.460-≤10-PASS



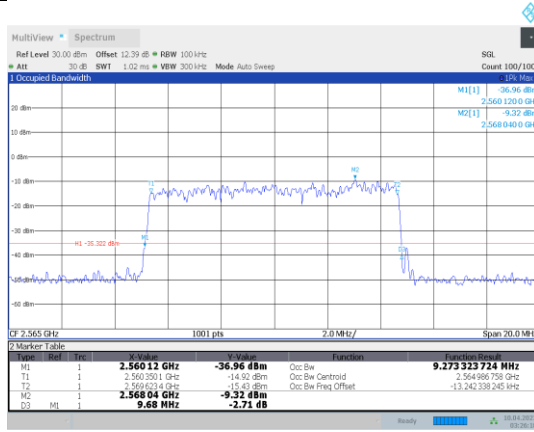
1-N7-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant
1-8.968-9.440-≤10-PASS



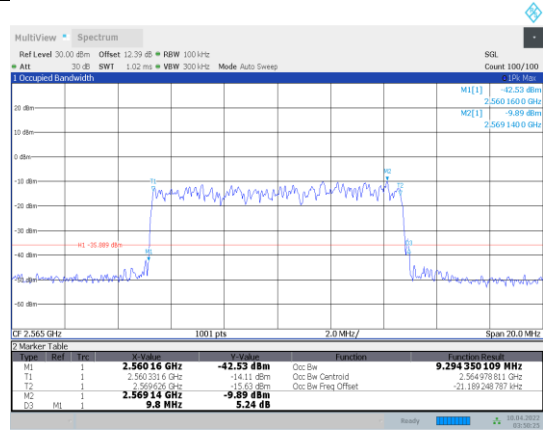
1-N7-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant
1-8.916-9.260-≤10-PASS



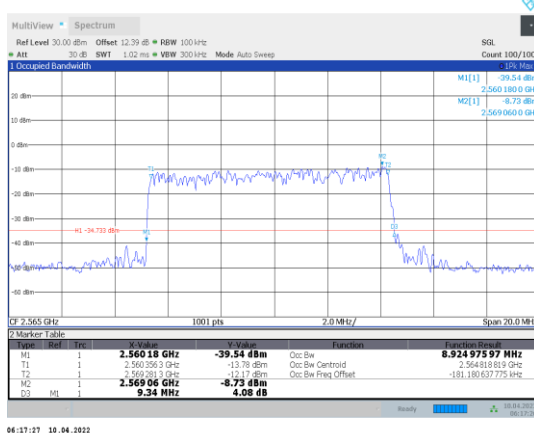
1-N7-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0-An
t1-8.919-9.420-≤10-PASS



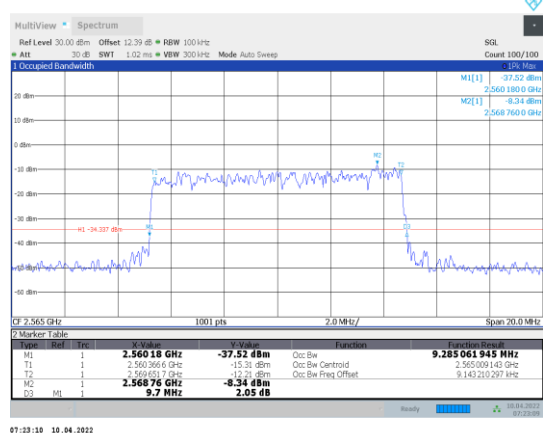
1-N7-PC3-15-10-H-1-DFT-PI2BPSK-Outter_Full-50@0-A
nt1-9.273-9.680-≤10-PASS



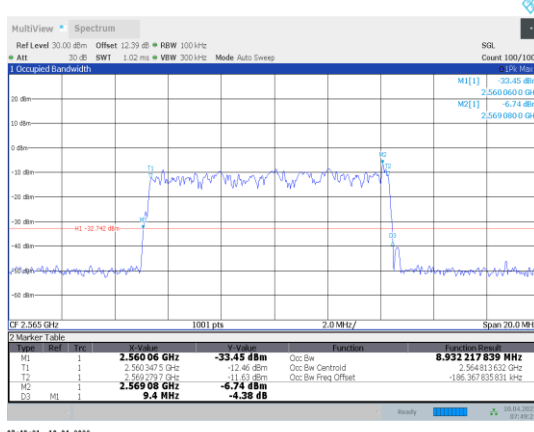
1-N7-PC3-15-10-H-2-DFT-QPSK-Outter_Full-50@0-A nt1-9.294-9.800-≤10-PASS



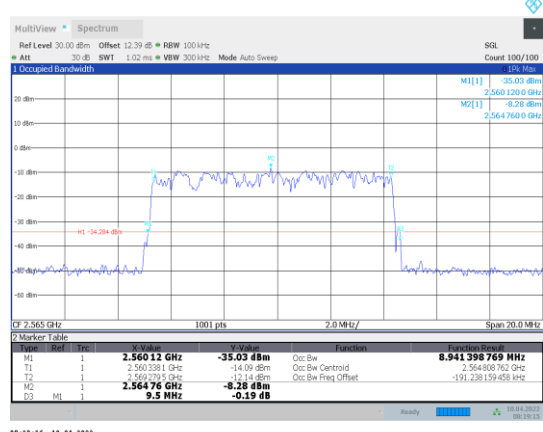
1-N7-PC3-15-10-H-3-DFT-16QAM-Outter_Full-50@0-A nt1-8.925-9.340-≤10-PASS

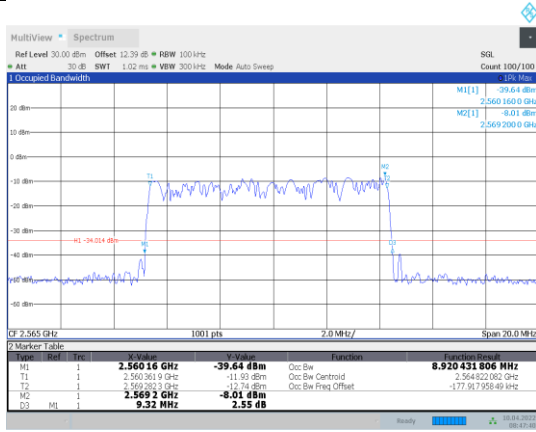


1-N7-PC3-15-10-H-4-DFT-64QAM-Outter_Full-50@0-A nt1-9.285-9.700-≤10-PASS



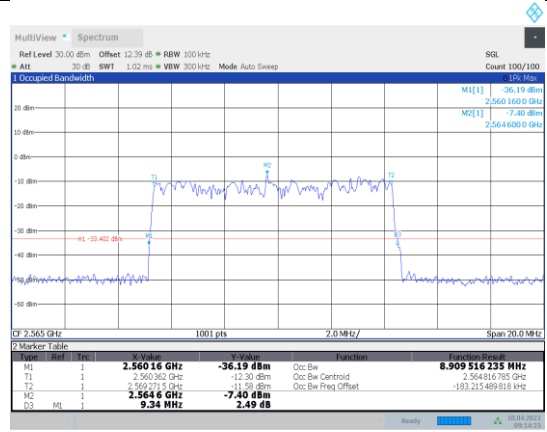
1-N7-PC3-15-10-H-5-DFT-256QAM-Outter_Full-50@0-A nt1-8.932-9.400-≤10-PASS





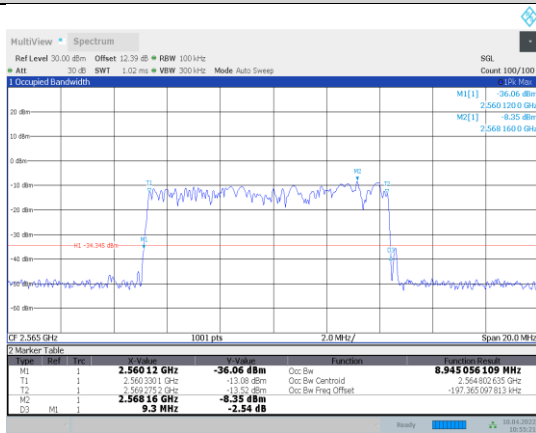
08:47:40 10.04.2022

1-N7-PC3-15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant1
-8.92-9.320≤10-PASS



09:34:33 10.04.2022

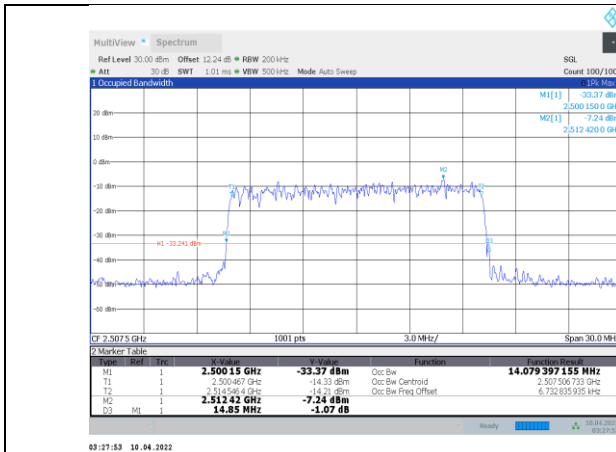
1-N7-PC3-15-10-H-8-CP-64QAM-Outer_Full-52@0-Ant
1-8.91-9.340≤10-PASS



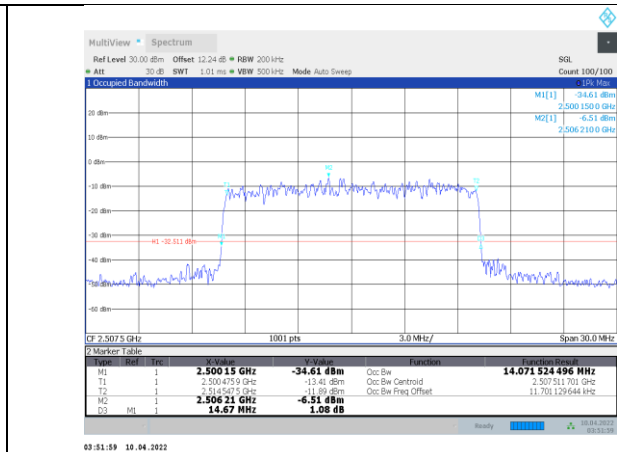
10:55:21 10.04.2022

1-N7-PC3-15-10-H-9-CP-256QAM-Outer_Full-52@0-Ant
1-8.945-9.300≤10-PASS

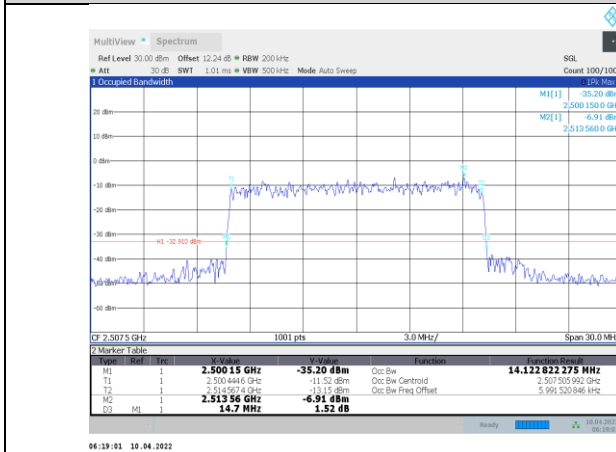
4.2.3 CHANNEL BANDWIDTH=15MHZ



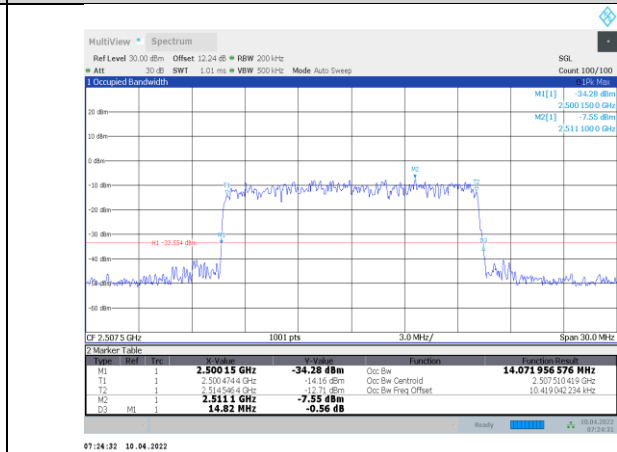
1-N7-PC3-15-15-L-1-DFT-PI2BPSK-Outer_Full-75@0-A
nt1-14.079-14.850≤15-PASS



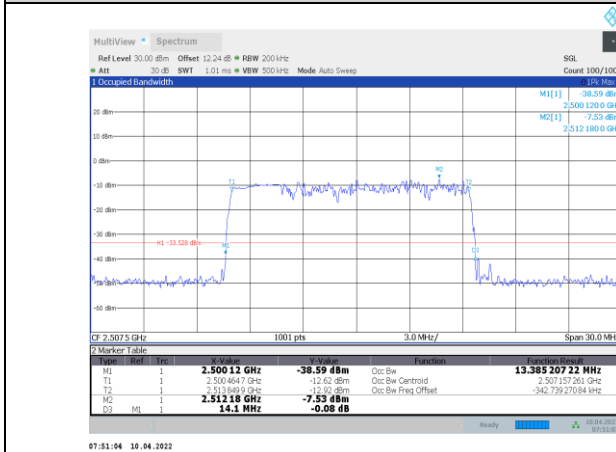
1-N7-PC3-15-15-L-2-DFT-QPSK-Outer_Full-75@0-Ant
1-14.072-14.670≤15-PASS



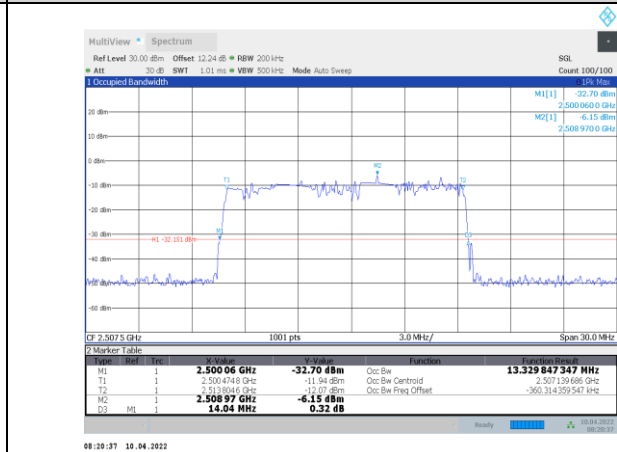
1-N7-PC3-15-15-L-3-DFT-16QAM-Outer_Full-75@0-Ant
1-14.123-14.700≤15-PASS



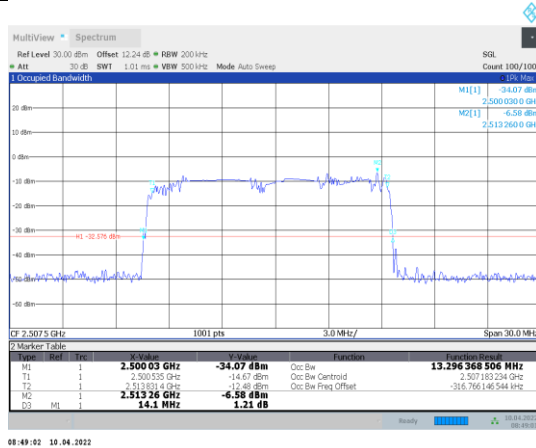
1-N7-PC3-15-15-L-4-DFT-64QAM-Outer_Full-75@0-Ant
t1-14.072-14.820≤15-PASS



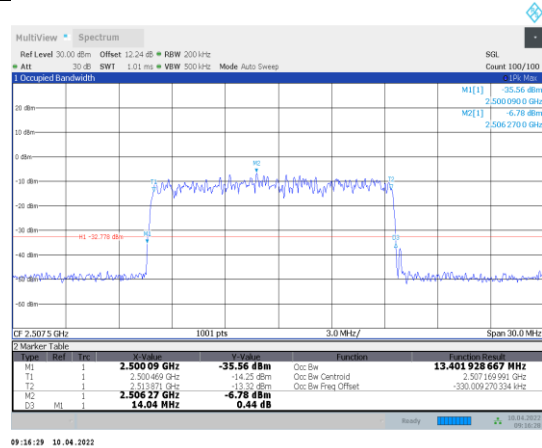
1-N7-PC3-15-15-L-5-DFT-256QAM-Outer_Full-75@0-Ant
t1-13.385-14.100≤15-PASS



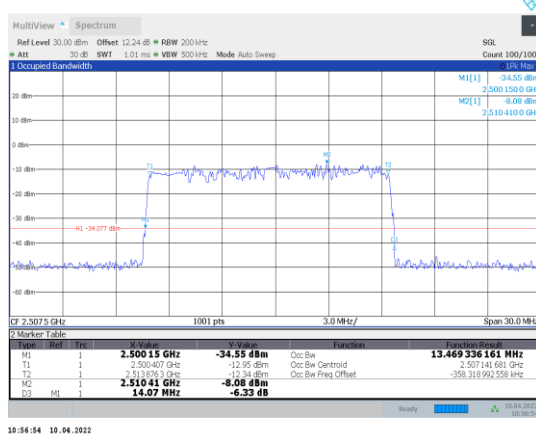
1-N7-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-
13.33-14.040≤15-PASS



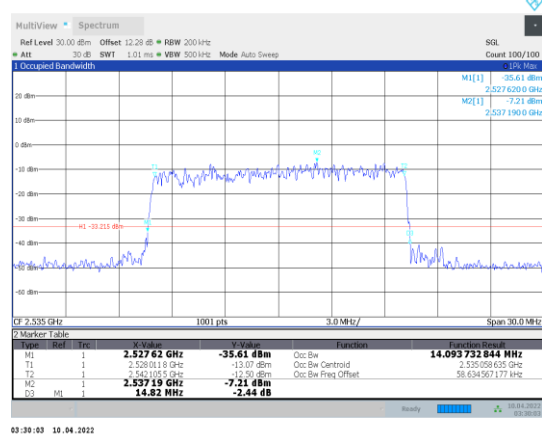
1-N7-PC3-15-15-L-7-CP-16QAM-Outer_Full-79@0-Ant
1-13.296-14.100≤15-PASS



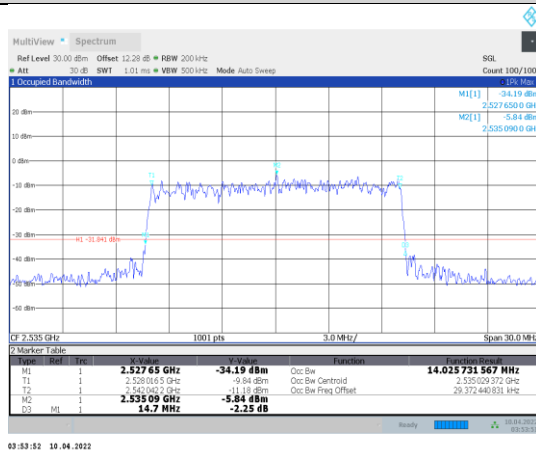
1-N7-PC3-15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant1
-13.402-14.040≤15-PASS



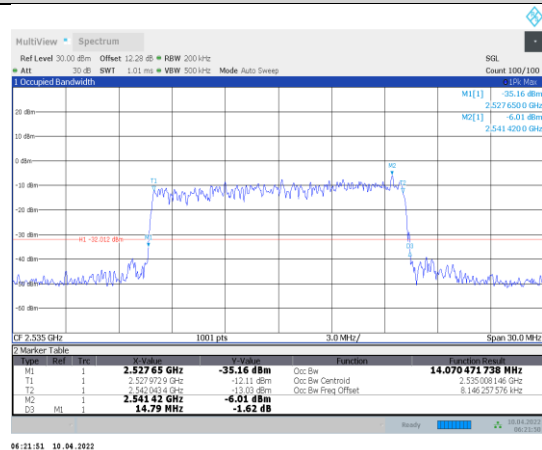
1-N7-PC3-15-15-L-9-DFT-256QAM-Outer_Full-75@0-A
nt1-13.469-14.070≤15-PASS



1-N7-PC3-15-15-M-1-DFT-PI2BPSK-Outer_Full-75@0-A
nt1-14.094-14.820≤15-PASS



1-N7-PC3-15-15-M-2-CP-16QAM-Outer_Full-79@0-Ant
1-14.026-14.700≤15-PASS



1-N7-PC3-15-15-M-3-CP-64QAM-Outer_Full-79@0-Ant
1-14.07-14.790≤15-PASS