

# Appendix for 5G NR n7

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
N7	15	5	L	2502.5	DFT-PI/2BPSK	Inner_Full	23.49	22.39	33.00	PASS
N7	15	5	L	2502.5	DFT-PI/2BPSK	Inner_1RB_Left	23.43	22.33	33.00	PASS
N7	15	5	L	2502.5	DFT-PI/2BPSK	Inner_1RB_Right	23.55	22.45	33.00	PASS
N7	15	5	L	2502.5	DFT-PI/2BPSK	Outer_Full	23.52	22.42	33.00	PASS
N7	15	5	L	2502.5	DFT-QPSK	Inner_Full	23.52	22.42	33.00	PASS
N7	15	5	L	2502.5	DFT-QPSK	Inner_1RB_Left	23.28	22.18	33.00	PASS
N7	15	5	L	2502.5	DFT-QPSK	Inner_1RB_Right	23.40	22.3	33.00	PASS
N7	15	5	L	2502.5	DFT-QPSK	Outer_Full	23.56	22.46	33.00	PASS
N7	15	5	L	2502.5	DFT-16QAM	Inner_Full	23.29	22.19	33.00	PASS
N7	15	5	L	2502.5	DFT-16QAM	Inner_1RB_Left	23.63	22.53	33.00	PASS
N7	15	5	L	2502.5	DFT-16QAM	Inner_1RB_Right	23.65	22.55	33.00	PASS
N7	15	5	L	2502.5	DFT-16QAM	Outer_Full	23.32	22.22	33.00	PASS
N7	15	5	M	2535	DFT-PI/2BPSK	Inner_Full	23.41	22.31	33.00	PASS
N7	15	5	M	2535	DFT-PI/2BPSK	Inner_1RB_Left	23.39	22.29	33.00	PASS
N7	15	5	M	2535	DFT-PI/2BPSK	Inner_1RB_Right	23.50	22.4	33.00	PASS
N7	15	5	M	2535	DFT-PI/2BPSK	Outer_Full	23.36	22.26	33.00	PASS
N7	15	5	M	2535	DFT-QPSK	Inner_Full	23.48	22.38	33.00	PASS
N7	15	5	M	2535	DFT-QPSK	Inner_1RB_Left	23.36	22.26	33.00	PASS
N7	15	5	M	2535	DFT-QPSK	Inner_1RB_Right	23.48	22.38	33.00	PASS
N7	15	5	M	2535	DFT-QPSK	Outer_Full	23.55	22.45	33.00	PASS
N7	15	5	M	2535	DFT-16QAM	Inner_Full	23.34	22.24	33.00	PASS
N7	15	5	M	2535	DFT-16QAM	Inner_1RB_Left	23.70	22.6	33.00	PASS
N7	15	5	M	2535	DFT-16QAM	Inner_1RB_Right	23.80	22.7	33.00	PASS
N7	15	5	M	2535	DFT-16QAM	Outer_Full	23.40	22.3	33.00	PASS
N7	15	5	H	2567.5	DFT-PI/2BPSK	Inner_Full	23.38	22.28	33.00	PASS
N7	15	5	H	2567.5	DFT-PI/2BPSK	Inner_1RB_Left	23.29	22.19	33.00	PASS
N7	15	5	H	2567.5	DFT-PI/2BPSK	Inner_1RB_Right	23.46	22.36	33.00	PASS
N7	15	5	H	2567.5	DFT-PI/2BPSK	Outer_Full	23.49	22.39	33.00	PASS
N7	15	5	H	2567.5	DFT-QPSK	Inner_Full	23.46	22.36	33.00	PASS
N7	15	5	H	2567.5	DFT-QPSK	Inner_1RB_Left	23.28	22.18	33.00	PASS
N7	15	5	H	2567.5	DFT-QPSK	Inner_1RB_Right	23.28	22.18	33.00	PASS
N7	15	5	H	2567.5	DFT-QPSK	Outer_Full	23.40	22.3	33.00	PASS
N7	15	5	H	2567.5	DFT-16QAM	Inner_Full	23.42	22.32	33.00	PASS
N7	15	5	H	2567.5	DFT-16QAM	Inner_1RB_Left	23.76	22.66	33.00	PASS
N7	15	5	H	2567.5	DFT-16QAM	Inner_1RB_Right	23.65	22.55	33.00	PASS
N7	15	5	H	2567.5	DFT-16QAM	Outer_Full	23.38	22.28	33.00	PASS

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB Config	Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
N7	15	15	L	2507.5	DFT-PI/2BPSK	Inner_Full	23.69	22.59	33.00	PASS
N7	15	15	L	2507.5	DFT-PI/2BPSK	Inner_1RB_Left	23.43	22.33	33.00	PASS
N7	15	15	L	2507.5	DFT-PI/2BPSK	Inner_1RB_Right	23.56	22.46	33.00	PASS
N7	15	15	L	2507.5	DFT-PI/2BPSK	Outer_Full	23.51	22.41	33.00	PASS
N7	15	15	L	2507.5	DFT-QPSK	Inner_Full	23.73	22.63	33.00	PASS
N7	15	15	L	2507.5	DFT-QPSK	Inner_1RB_Left	23.30	22.2	33.00	PASS
N7	15	15	L	2507.5	DFT-QPSK	Inner_1RB_Right	23.42	22.32	33.00	PASS
N7	15	15	L	2507.5	DFT-QPSK	Outer_Full	23.65	22.55	33.00	PASS
N7	15	15	L	2507.5	DFT-16QAM	Inner_Full	23.38	22.28	33.00	PASS
N7	15	15	L	2507.5	DFT-16QAM	Inner_1RB_Left	23.66	22.56	33.00	PASS
N7	15	15	L	2507.5	DFT-16QAM	Inner_1RB_Right	23.67	22.57	33.00	PASS
N7	15	15	L	2507.5	DFT-16QAM	Outer_Full	23.35	22.25	33.00	PASS
N7	15	15	M	2535	DFT-PI/2BPSK	Inner_Full	23.61	22.51	33.00	PASS
N7	15	15	M	2535	DFT-PI/2BPSK	Inner_1RB_Left	23.32	22.22	33.00	PASS
N7	15	15	M	2535	DFT-PI/2BPSK	Inner_1RB_Right	23.43	22.33	33.00	PASS
N7	15	15	M	2535	DFT-PI/2BPSK	Outer_Full	23.57	22.47	33.00	PASS
N7	15	15	M	2535	DFT-QPSK	Inner_Full	23.51	22.41	33.00	PASS
N7	15	15	M	2535	DFT-QPSK	Inner_1RB_Left	23.29	22.19	33.00	PASS
N7	15	15	M	2535	DFT-QPSK	Inner_1RB_Right	23.46	22.36	33.00	PASS
N7	15	15	M	2535	DFT-QPSK	Outer_Full	23.47	22.37	33.00	PASS
N7	15	15	M	2535	DFT-16QAM	Inner_Full	23.53	22.43	33.00	PASS
N7	15	15	M	2535	DFT-16QAM	Inner_1RB_Left	23.53	22.43	33.00	PASS
N7	15	15	M	2535	DFT-16QAM	Inner_1RB_Right	23.85	22.75	33.00	PASS
N7	15	15	M	2535	DFT-16QAM	Outer_Full	23.43	22.33	33.00	PASS
N7	15	15	H	2562.5	DFT-PI/2BPSK	Inner_Full	23.46	22.36	33.00	PASS
N7	15	15	H	2562.5	DFT-PI/2BPSK	Inner_1RB_Left	23.51	22.41	33.00	PASS
N7	15	15	H	2562.5	DFT-PI/2BPSK	Inner_1RB_Right	23.34	22.24	33.00	PASS
N7	15	15	H	2562.5	DFT-PI/2BPSK	Outer_Full	23.51	22.41	33.00	PASS
N7	15	15	H	2562.5	DFT-QPSK	Inner_Full	23.48	22.38	33.00	PASS
N7	15	15	H	2562.5	DFT-QPSK	Inner_1RB_Left	23.46	22.36	33.00	PASS
N7	15	15	H	2562.5	DFT-QPSK	Inner_1RB_Right	23.28	22.18	33.00	PASS
N7	15	15	H	2562.5	DFT-QPSK	Outer_Full	23.52	22.42	33.00	PASS
N7	15	15	H	2562.5	DFT-16QAM	Inner_Full	23.42	22.32	33.00	PASS
N7	15	15	H	2562.5	DFT-16QAM	Inner_1RB_Left	23.61	22.51	33.00	PASS
N7	15	15	H	2562.5	DFT-16QAM	Inner_1RB_Right	23.69	22.59	33.00	PASS
N7	15	15	H	2562.5	DFT-16QAM	Outer_Full	23.34	22.24	33.00	PASS

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB Config	Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
N7	15	20	L	2510	DFT-PI/2BPSK	Inner_Full	23.66	22.56	33.00	PASS
N7	15	20	L	2510	DFT-PI/2BPSK	Inner_1RB_Left	23.56	22.46	33.00	PASS
N7	15	20	L	2510	DFT-PI/2BPSK	Inner_1RB_Right	23.51	22.41	33.00	PASS
N7	15	20	L	2510	DFT-PI/2BPSK	Outer_Full	23.70	22.6	33.00	PASS
N7	15	20	L	2510	DFT-QPSK	Inner_Full	23.67	22.57	33.00	PASS
N7	15	20	L	2510	DFT-QPSK	Inner_1RB_Left	23.34	22.24	33.00	PASS
N7	15	20	L	2510	DFT-QPSK	Inner_1RB_Right	23.39	22.29	33.00	PASS
N7	15	20	L	2510	DFT-QPSK	Outer_Full	23.64	22.54	33.00	PASS
N7	15	20	L	2510	DFT-16QAM	Inner_Full	23.34	22.24	33.00	PASS
N7	15	20	L	2510	DFT-16QAM	Inner_1RB_Left	23.60	22.5	33.00	PASS
N7	15	20	L	2510	DFT-16QAM	Inner_1RB_Right	23.62	22.52	33.00	PASS
N7	15	20	L	2510	DFT-16QAM	Outer_Full	23.31	22.21	33.00	PASS
N7	15	20	M	2535	DFT-PI/2BPSK	Inner_Full	23.45	22.35	33.00	PASS
N7	15	20	M	2535	DFT-PI/2BPSK	Inner_1RB_Left	23.34	22.24	33.00	PASS
N7	15	20	M	2535	DFT-PI/2BPSK	Inner_1RB_Right	23.62	22.52	33.00	PASS
N7	15	20	M	2535	DFT-PI/2BPSK	Outer_Full	23.40	22.3	33.00	PASS
N7	15	20	M	2535	DFT-QPSK	Inner_Full	23.46	22.36	33.00	PASS
N7	15	20	M	2535	DFT-QPSK	Inner_1RB_Left	23.37	22.27	33.00	PASS
N7	15	20	M	2535	DFT-QPSK	Inner_1RB_Right	23.51	22.41	33.00	PASS
N7	15	20	M	2535	DFT-QPSK	Outer_Full	23.49	22.39	33.00	PASS
N7	15	20	M	2535	DFT-16QAM	Inner_Full	23.49	22.39	33.00	PASS
N7	15	20	M	2535	DFT-16QAM	Inner_1RB_Left	23.53	22.43	33.00	PASS
N7	15	20	M	2535	DFT-16QAM	Inner_1RB_Right	23.86	22.76	33.00	PASS
N7	15	20	M	2535	DFT-16QAM	Outer_Full	23.39	22.29	33.00	PASS
N7	15	20	H	2560	DFT-PI/2BPSK	Inner_Full	23.51	22.41	33.00	PASS
N7	15	20	H	2560	DFT-PI/2BPSK	Inner_1RB_Left	23.61	22.51	33.00	PASS
N7	15	20	H	2560	DFT-PI/2BPSK	Inner_1RB_Right	23.47	22.37	33.00	PASS
N7	15	20	H	2560	DFT-PI/2BPSK	Outer_Full	23.60	22.5	33.00	PASS
N7	15	20	H	2560	DFT-QPSK	Inner_Full	23.61	22.51	33.00	PASS
N7	15	20	H	2560	DFT-QPSK	Inner_1RB_Left	23.54	22.44	33.00	PASS
N7	15	20	H	2560	DFT-QPSK	Inner_1RB_Right	23.30	22.2	33.00	PASS
N7	15	20	H	2560	DFT-QPSK	Outer_Full	23.57	22.47	33.00	PASS
N7	15	20	H	2560	DFT-16QAM	Inner_Full	23.34	22.24	33.00	PASS
N7	15	20	H	2560	DFT-16QAM	Inner_1RB_Left	23.70	22.6	33.00	PASS
N7	15	20	H	2560	DFT-16QAM	Inner_1RB_Right	23.69	22.59	33.00	PASS
N7	15	20	H	2560	DFT-16QAM	Outer_Full	23.37	22.27	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
N7	15	5	M	2535	DFT-PI/2BPSK	Outer_Full	6.49	≤13	PASS
N7	15	5	M	2535	DFT-QPSK	Outer_Full	6.12	≤13	PASS
N7	15	5	M	2535	DFT-16QAM	Outer_Full	7.11	≤13	PASS
N7	15	5	M	2535	DFT-64QAM	Outer_Full	7.04	≤13	PASS
N7	15	5	M	2535	DFT-256QAM	Outer_Full	7.21	≤13	PASS
N7	15	5	M	2535	CP-QPSK	Outer_Full	8.09	≤13	PASS
N7	15	5	M	2535	CP-16QAM	Outer_Full	8.29	≤13	PASS
N7	15	5	M	2535	CP-64QAM	Outer_Full	8.48	≤13	PASS
N7	15	5	M	2535	CP-256QAM	Outer_Full	8.61	≤13	PASS
N7	15	15	M	2535	DFT-PI/2BPSK	Outer_Full	8.88	≤13	PASS
N7	15	15	M	2535	DFT-QPSK	Outer_Full	7.40	≤13	PASS
N7	15	15	M	2535	DFT-16QAM	Outer_Full	7.74	≤13	PASS
N7	15	15	M	2535	DFT-64QAM	Outer_Full	8.15	≤13	PASS
N7	15	15	M	2535	DFT-256QAM	Outer_Full	7.84	≤13	PASS
N7	15	15	M	2535	CP-QPSK	Outer_Full	8.53	≤13	PASS
N7	15	15	M	2535	CP-16QAM	Outer_Full	8.36	≤13	PASS
N7	15	15	M	2535	CP-64QAM	Outer_Full	8.46	≤13	PASS
N7	15	15	M	2535	CP-256QAM	Outer_Full	8.51	≤13	PASS
N7	15	20	M	2535	DFT-PI/2BPSK	Outer_Full	8.69	≤13	PASS
N7	15	20	M	2535	DFT-QPSK	Outer_Full	7.64	≤13	PASS
N7	15	20	M	2535	DFT-16QAM	Outer_Full	8.27	≤13	PASS
N7	15	20	M	2535	DFT-64QAM	Outer_Full	8.01	≤13	PASS
N7	15	20	M	2535	DFT-256QAM	Outer_Full	8.27	≤13	PASS
N7	15	20	M	2535	CP-QPSK	Outer_Full	8.29	≤13	PASS
N7	15	20	M	2535	CP-16QAM	Outer_Full	8.64	≤13	PASS
N7	15	20	M	2535	CP-64QAM	Outer_Full	8.63	≤13	PASS
N7	15	20	M	2535	CP-256QAM	Outer_Full	8.66	≤13	PASS

### 3. APPENDIX C - MODULATION CHARACTERISTICS FOR SA

#### 3.1 TEST RESULTS

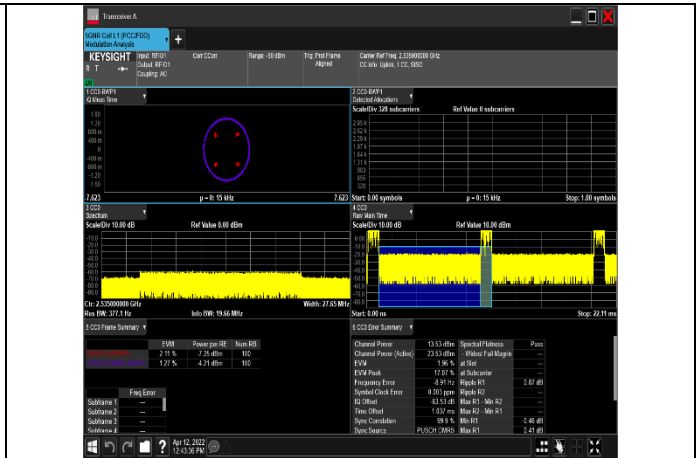
NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Verdict
N7	15	20	M	2535	DFT-PI/2BPSK	Outer_Full	PASS
N7	15	20	M	2535	DFT-QPSK	Outer_Full	PASS
N7	15	20	M	2535	DFT-16QAM	Outer_Full	PASS
N7	15	20	M	2535	DFT-64QAM	Outer_Full	PASS
N7	15	20	M	2535	DFT-256QAM	Outer_Full	PASS
N7	15	20	M	2535	CP-QPSK	Outer_Full	PASS
N7	15	20	M	2535	CP-16QAM	Outer_Full	PASS
N7	15	20	M	2535	CP-64QAM	Outer_Full	PASS
N7	15	20	M	2535	CP-256QAM	Outer_Full	PASS

## 3.2 TEST PLOTS

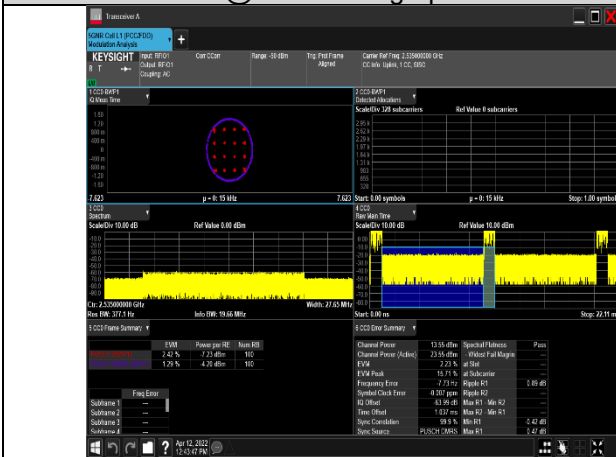
### 3.2.1 CHANNEL BANDWIDTH=20MHZ



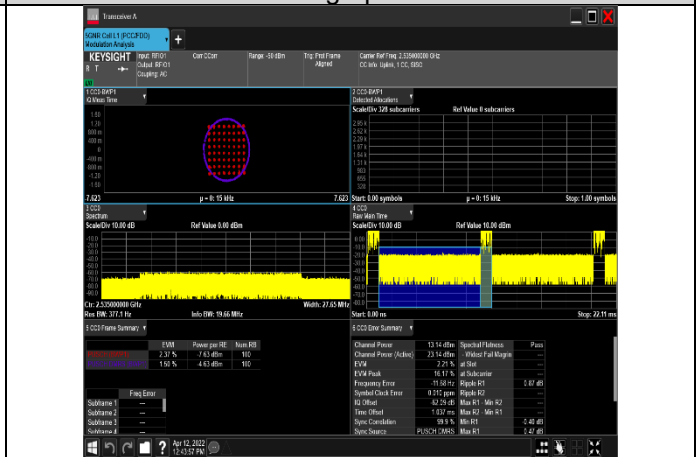
1-N7-PC3-15-20-M-1-DFT-PI/2BPSK-Outer\_Full -100@0-Ant1-see graph-PASS



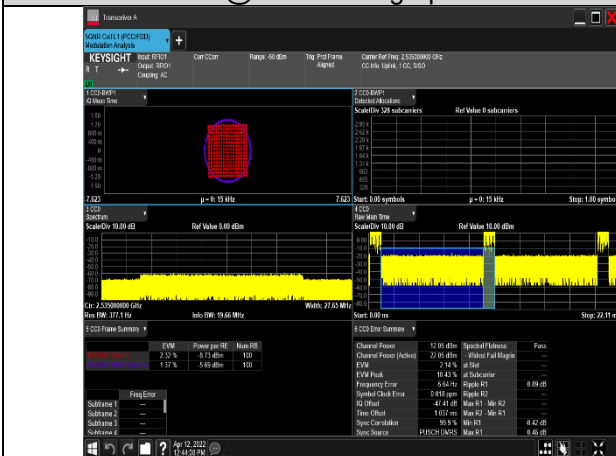
1-N7-PC3-15-20-M-2-DFT-QPSK-Outer\_Full-100@0-Ant1-see graph-PASS



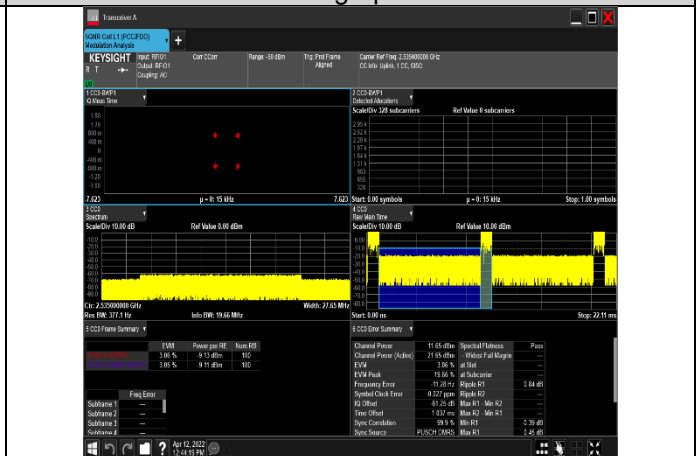
1-N7-PC3-15-20-M-3-DFT-16QAM-Outer\_Full -100@0-Ant1-see graph-PASS



1-N7-PC3-15-20-M-4-DFT-64QAM-Outer\_Full-100@0-Ant1-see graph-PASS

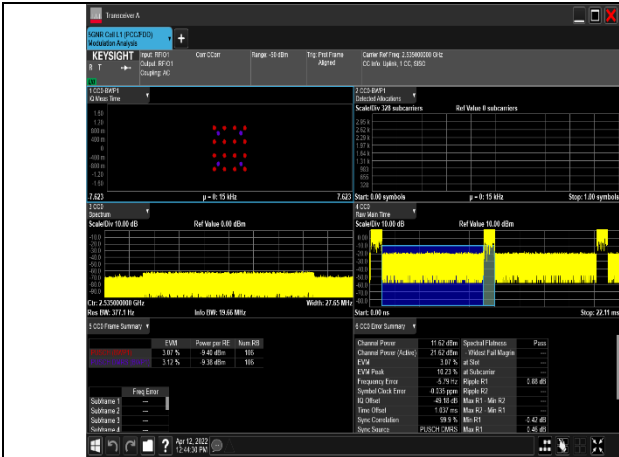


1-N7-PC3-15-20-M-4-DFT-256QAM-Outer\_Full-100@0-Ant1-see graph-PASS

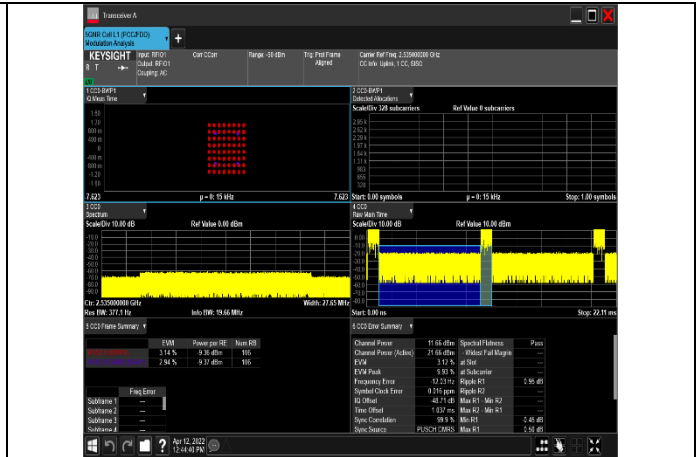


1-N7-PC3-15-20-M-6-CP-QPSK-Outer\_Full-106@0-Ant1-see graph-PASS





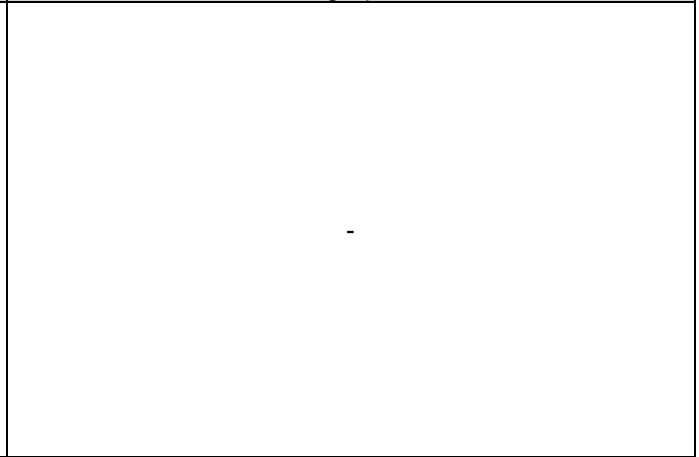
1-N7-PC3-15-20-M-7-CP-16QAM-Outer\_Full-106@0-Ant1-see graph-PASS



1-N7-PC3-15-20-M-8-CP-64QAM-Outer\_Full-106@0-Ant1-see graph-PASS



1-N7-PC3-15-20-M-9-CP-256QAM-Outer\_Full-106@0-Ant1-see graph-PASS



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## 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
N7	15	5	L	2502.5	CP-QPSK	Outer_Full	4.459	4.740	PASS
N7	15	5	L	2502.5	CP-16QAM	Outer_Full	4.486	4.910	PASS
N7	15	5	L	2502.5	CP-64QAM	Outer_Full	4.471	4.640	PASS
N7	15	5	L	2502.5	CP-256QAM	Outer_Full	4.499	4.940	PASS
N7	15	5	L	2502.5	DFT-PI/2BPSK	Outer_Full	4.479	4.990	PASS
N7	15	5	L	2502.5	DFT-QPSK	Outer_Full	4.46	4.800	PASS
N7	15	5	L	2502.5	DFT-16QAM	Outer_Full	4.497	5.050	PASS
N7	15	5	L	2502.5	DFT-64QAM	Outer_Full	4.478	4.960	PASS
N7	15	5	L	2502.5	DFT-256QAM	Outer_Full	4.449	4.930	PASS
N7	15	5	M	2535	CP-QPSK	Outer_Full	4.473	4.960	PASS
N7	15	5	M	2535	CP-16QAM	Outer_Full	4.446	4.690	PASS
N7	15	5	M	2535	CP-64QAM	Outer_Full	4.479	4.820	PASS
N7	15	5	M	2535	CP-256QAM	Outer_Full	4.453	4.630	PASS
N7	15	5	M	2535	DFT-PI/2BPSK	Outer_Full	4.461	4.820	PASS
N7	15	5	M	2535	DFT-QPSK	Outer_Full	4.446	4.660	PASS
N7	15	5	M	2535	DFT-16QAM	Outer_Full	4.463	4.900	PASS
N7	15	5	M	2535	DFT-64QAM	Outer_Full	4.469	4.730	PASS
N7	15	5	M	2535	DFT-256QAM	Outer_Full	4.465	4.820	PASS
N7	15	5	H	2567.5	CP-QPSK	Outer_Full	4.458	4.620	PASS
N7	15	5	H	2567.5	CP-16QAM	Outer_Full	4.436	4.690	PASS
N7	15	5	H	2567.5	CP-64QAM	Outer_Full	4.467	4.840	PASS
N7	15	5	H	2567.5	CP-256QAM	Outer_Full	4.458	4.690	PASS
N7	15	5	H	2567.5	DFT-PI/2BPSK	Outer_Full	4.466	4.780	PASS
N7	15	5	H	2567.5	DFT-QPSK	Outer_Full	4.453	4.870	PASS
N7	15	5	H	2567.5	DFT-16QAM	Outer_Full	4.46	4.830	PASS
N7	15	5	H	2567.5	DFT-64QAM	Outer_Full	4.478	4.880	PASS
N7	15	5	H	2567.5	DFT-256QAM	Outer_Full	4.481	4.700	PASS

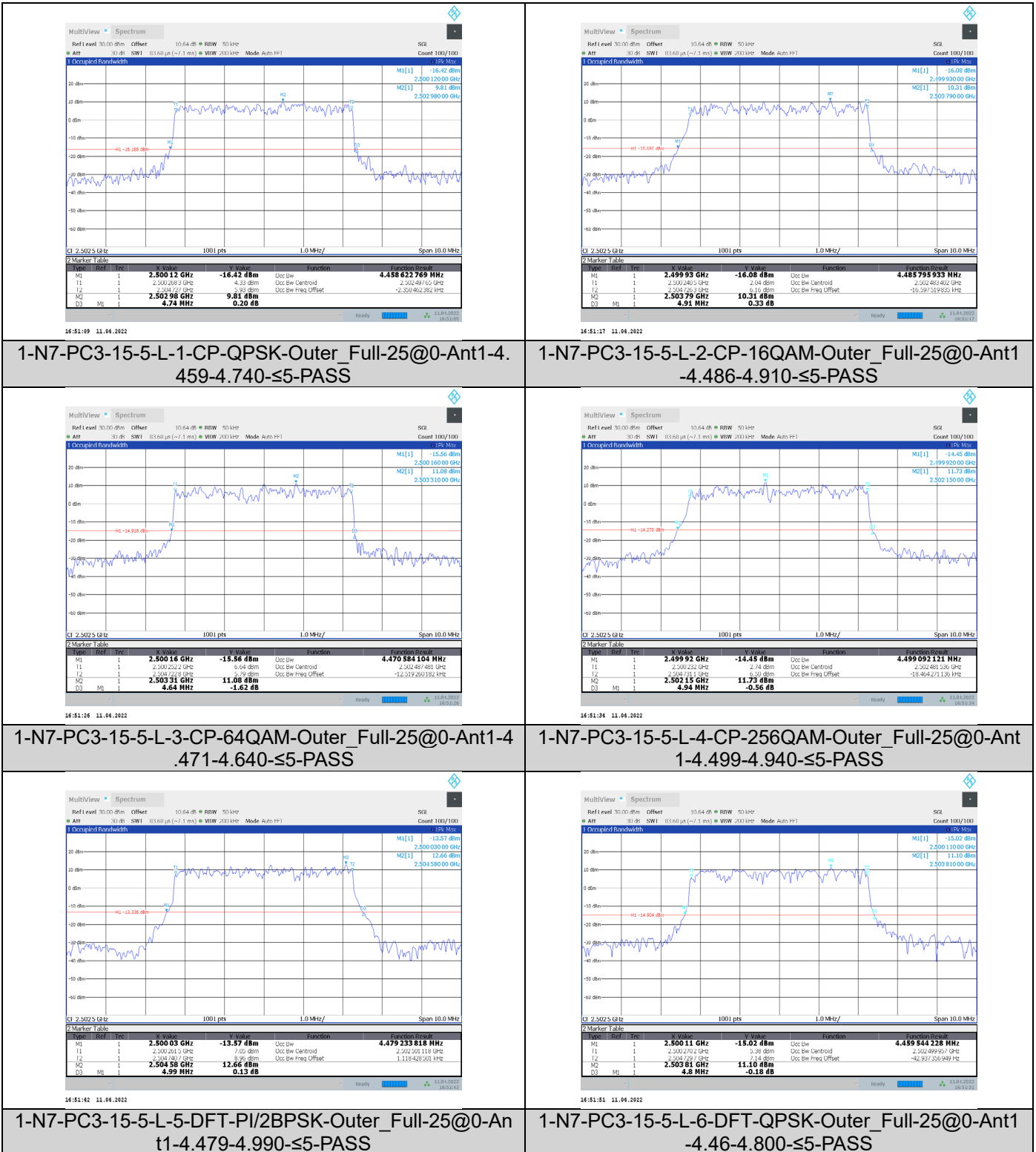
NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
N7	15	10	L	2505	CP-QPSK	Outer_Full	8.968	9.260	PASS
N7	15	10	L	2505	CP-16QAM	Outer_Full	9.296	9.920	PASS
N7	15	10	L	2505	CP-64QAM	Outer_Full	9.244	9.780	PASS
N7	15	10	L	2505	CP-256QAM	Outer_Full	9.294	9.880	PASS
N7	15	10	L	2505	DFT-PI/2BPSK	Outer_Full	8.947	9.440	PASS
N7	15	10	L	2505	DFT-QPSK	Outer_Full	8.935	9.320	PASS
N7	15	10	L	2505	DFT-16QAM	Outer_Full	8.957	9.380	PASS
N7	15	10	L	2505	DFT-64QAM	Outer_Full	8.917	9.320	PASS
N7	15	10	L	2505	DFT-256QAM	Outer_Full	8.877	9.300	PASS
N7	15	10	M	2535	CP-QPSK	Outer_Full	8.937	9.480	PASS
N7	15	10	M	2535	CP-16QAM	Outer_Full	9.325	9.680	PASS
N7	15	10	M	2535	CP-64QAM	Outer_Full	9.268	9.640	PASS
N7	15	10	M	2535	CP-256QAM	Outer_Full	9.244	9.780	PASS
N7	15	10	M	2535	DFT-PI/2BPSK	Outer_Full	8.949	9.460	PASS
N7	15	10	M	2535	DFT-QPSK	Outer_Full	8.923	9.480	PASS
N7	15	10	M	2535	DFT-16QAM	Outer_Full	8.932	9.400	PASS
N7	15	10	M	2535	DFT-64QAM	Outer_Full	8.919	9.440	PASS
N7	15	10	M	2535	DFT-256QAM	Outer_Full	8.913	9.380	PASS
N7	15	10	H	2565	CP-QPSK	Outer_Full	8.938	9.420	PASS
N7	15	10	H	2565	CP-16QAM	Outer_Full	9.305	9.780	PASS
N7	15	10	H	2565	CP-64QAM	Outer_Full	9.306	9.820	PASS
N7	15	10	H	2565	CP-256QAM	Outer_Full	9.267	9.760	PASS
N7	15	10	H	2565	DFT-PI/2BPSK	Outer_Full	8.951	9.280	PASS
N7	15	10	H	2565	DFT-QPSK	Outer_Full	8.853	9.640	PASS
N7	15	10	H	2565	DFT-16QAM	Outer_Full	8.893	9.260	PASS
N7	15	10	H	2565	DFT-64QAM	Outer_Full	8.952	9.500	PASS
N7	15	10	H	2565	DFT-256QAM	Outer_Full	8.933	9.580	PASS

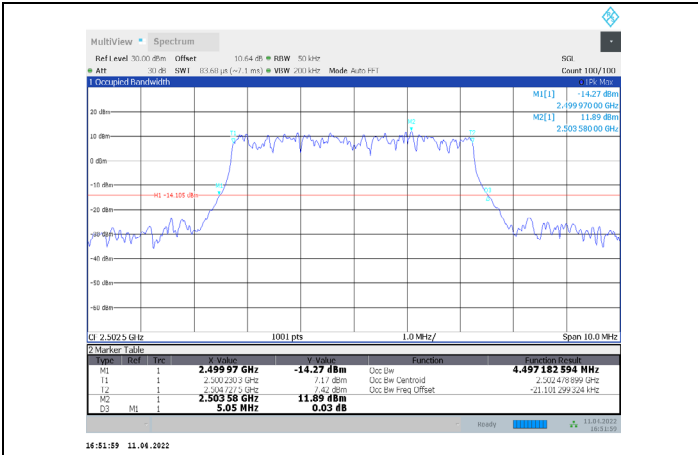
NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
N7	15	15	L	2507.5	CP-QPSK	Outer_Full	13.436	13.980	PASS
N7	15	15	L	2507.5	CP-16QAM	Outer_Full	14.105	14.970	PASS
N7	15	15	L	2507.5	CP-64QAM	Outer_Full	14.166	14.700	PASS
N7	15	15	L	2507.5	CP-256QAM	Outer_Full	14.08	14.820	PASS
N7	15	15	L	2507.5	DFT-PI/2BPSK	Outer_Full	13.484	14.040	PASS
N7	15	15	L	2507.5	DFT-QPSK	Outer_Full	13.334	13.980	PASS
N7	15	15	L	2507.5	DFT-16QAM	Outer_Full	13.463	14.250	PASS
N7	15	15	L	2507.5	DFT-64QAM	Outer_Full	13.388	13.950	PASS
N7	15	15	L	2507.5	DFT-256QAM	Outer_Full	13.47	14.130	PASS
N7	15	15	M	2535	CP-QPSK	Outer_Full	13.43	14.190	PASS
N7	15	15	M	2535	CP-16QAM	Outer_Full	14.08	14.730	PASS
N7	15	15	M	2535	CP-64QAM	Outer_Full	14.154	14.970	PASS
N7	15	15	M	2535	CP-256QAM	Outer_Full	14.025	14.910	PASS
N7	15	15	M	2535	DFT-PI/2BPSK	Outer_Full	13.391	14.010	PASS
N7	15	15	M	2535	DFT-QPSK	Outer_Full	13.358	14.040	PASS
N7	15	15	M	2535	DFT-16QAM	Outer_Full	13.458	14.370	PASS
N7	15	15	M	2535	DFT-64QAM	Outer_Full	13.484	14.010	PASS
N7	15	15	M	2535	DFT-256QAM	Outer_Full	13.343	14.010	PASS
N7	15	15	H	2562.5	CP-QPSK	Outer_Full	13.343	14.070	PASS
N7	15	15	H	2562.5	CP-16QAM	Outer_Full	14.067	14.700	PASS
N7	15	15	H	2562.5	CP-64QAM	Outer_Full	14.108	14.910	PASS
N7	15	15	H	2562.5	CP-256QAM	Outer_Full	14.093	14.730	PASS
N7	15	15	H	2562.5	DFT-PI/2BPSK	Outer_Full	13.322	14.370	PASS
N7	15	15	H	2562.5	DFT-QPSK	Outer_Full	13.509	14.010	PASS
N7	15	15	H	2562.5	DFT-16QAM	Outer_Full	13.372	13.980	PASS
N7	15	15	H	2562.5	DFT-64QAM	Outer_Full	13.493	14.250	PASS
N7	15	15	H	2562.5	DFT-256QAM	Outer_Full	13.458	14.280	PASS

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
N7	15	20	L	2510	CP-QPSK	Outer_Full	17.852	18.480	PASS
N7	15	20	L	2510	CP-16QAM	Outer_Full	18.939	19.720	PASS
N7	15	20	L	2510	CP-64QAM	Outer_Full	18.912	19.720	PASS
N7	15	20	L	2510	CP-256QAM	Outer_Full	18.791	19.560	PASS
N7	15	20	L	2510	DFT-PI/2BPSK	Outer_Full	17.896	18.720	PASS
N7	15	20	L	2510	DFT-QPSK	Outer_Full	17.873	18.600	PASS
N7	15	20	L	2510	DFT-16QAM	Outer_Full	17.703	18.800	PASS
N7	15	20	L	2510	DFT-64QAM	Outer_Full	17.899	18.520	PASS
N7	15	20	L	2510	DFT-256QAM	Outer_Full	17.735	18.640	PASS
N7	15	20	M	2535	CP-QPSK	Outer_Full	17.889	18.640	PASS
N7	15	20	M	2535	CP-16QAM	Outer_Full	18.899	19.640	PASS
N7	15	20	M	2535	CP-64QAM	Outer_Full	19	19.560	PASS
N7	15	20	M	2535	CP-256QAM	Outer_Full	18.864	19.800	PASS
N7	15	20	M	2535	DFT-PI/2BPSK	Outer_Full	17.825	18.560	PASS
N7	15	20	M	2535	DFT-QPSK	Outer_Full	17.829	18.720	PASS
N7	15	20	M	2535	DFT-16QAM	Outer_Full	17.898	18.640	PASS
N7	15	20	M	2535	DFT-64QAM	Outer_Full	17.909	18.480	PASS
N7	15	20	M	2535	DFT-256QAM	Outer_Full	17.86	18.640	PASS
N7	15	20	H	2560	CP-QPSK	Outer_Full	17.861	18.480	PASS
N7	15	20	H	2560	CP-16QAM	Outer_Full	18.834	19.640	PASS
N7	15	20	H	2560	CP-64QAM	Outer_Full	18.978	19.680	PASS
N7	15	20	H	2560	CP-256QAM	Outer_Full	18.939	19.680	PASS
N7	15	20	H	2560	DFT-PI/2BPSK	Outer_Full	17.663	18.600	PASS
N7	15	20	H	2560	DFT-QPSK	Outer_Full	17.944	18.600	PASS
N7	15	20	H	2560	DFT-16QAM	Outer_Full	17.862	18.640	PASS
N7	15	20	H	2560	DFT-64QAM	Outer_Full	17.821	18.720	PASS
N7	15	20	H	2560	DFT-256QAM	Outer_Full	17.875	18.480	PASS

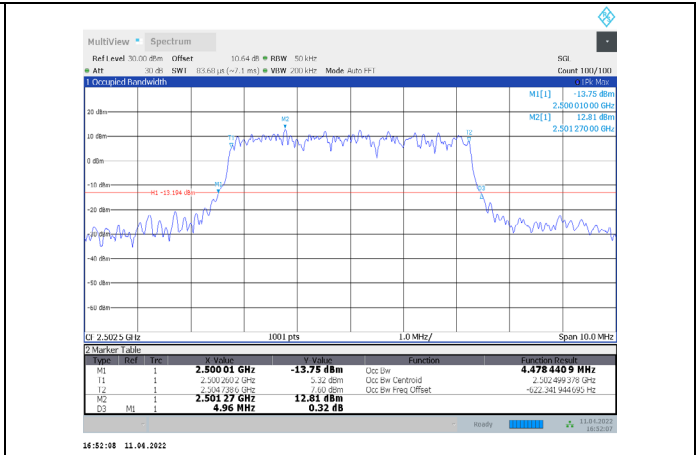
## 4.2 TEST PLOTS

### 4.2.1 CHANNEL BANDWIDTH=5MHZ

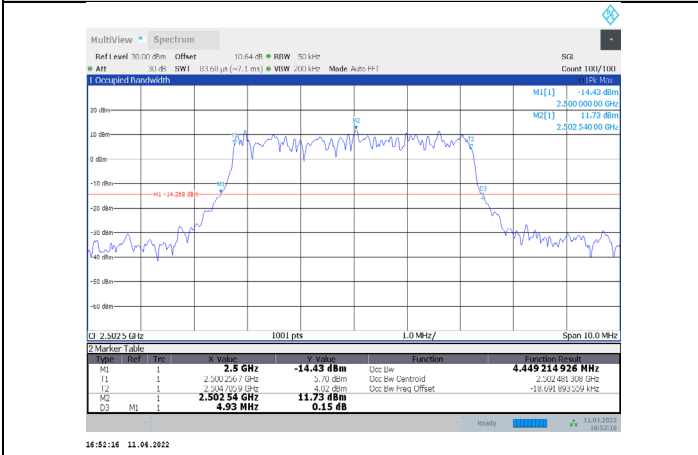




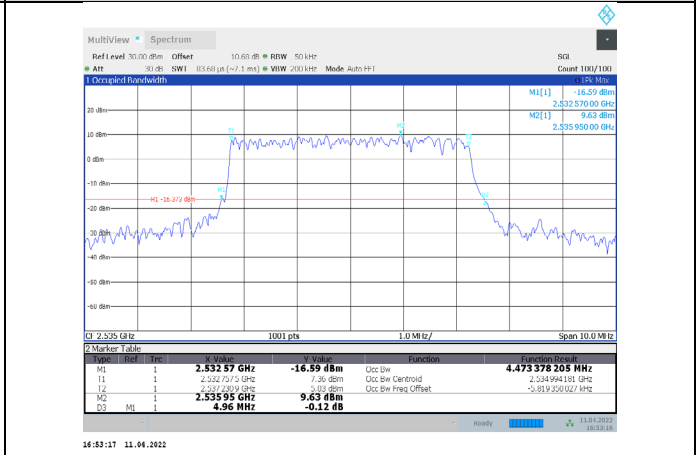
1-N7-PC3-15-5-L-7-DFT-16QAM-Outer\_Full-25@0-Ant1  
-4.497-5.050-≤5-PASS



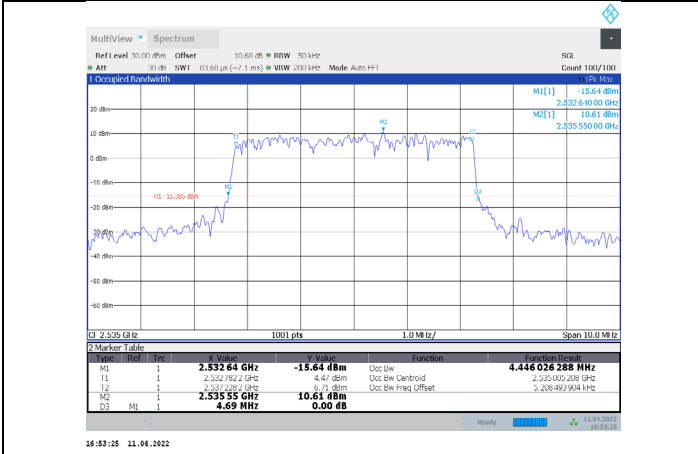
1-N7-PC3-15-5-L-8-DFT-64QAM-Outer\_Full-25@0-Ant  
1-4.478-4.960-≤5-PASS



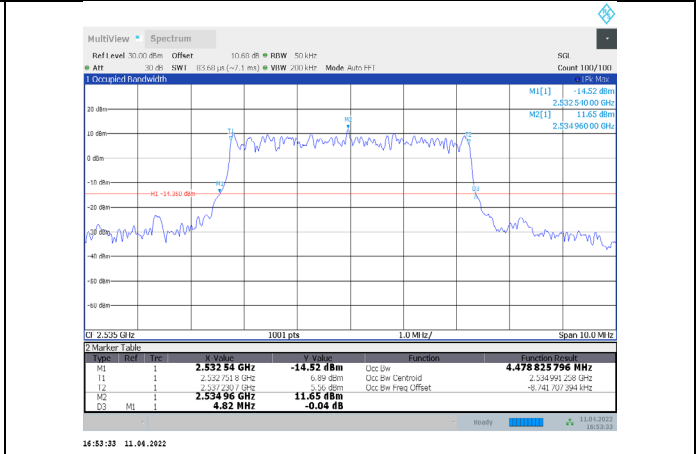
1-N7-PC3-15-5-L-9-DFT-256QAM-Outer\_Full-25@0-Ant  
1-4.449-4.930-≤5-PASS



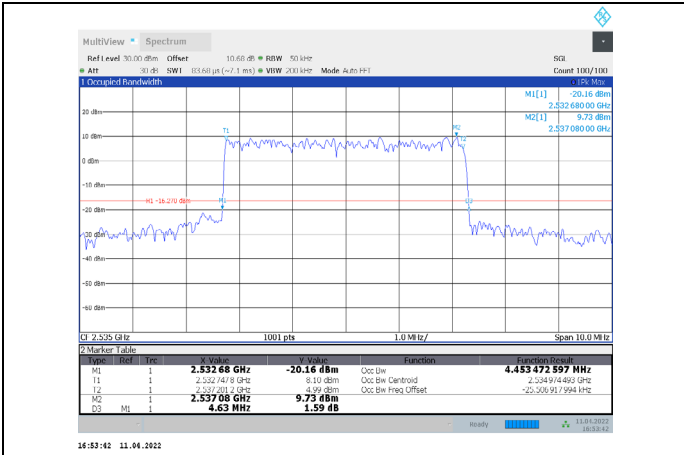
1-N7-PC3-15-5-M-1-CP-QPSK-Outer\_Full-25@0-Ant1  
4.473-4.960-≤5-PASS



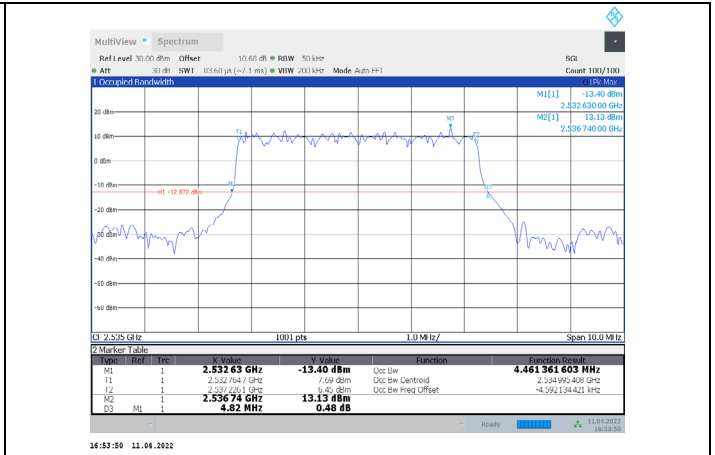
1-N7-PC3-15-5-M-2-CP-16QAM-Outer\_Full-25@0-Ant1  
4.446-4.690-≤5-PASS



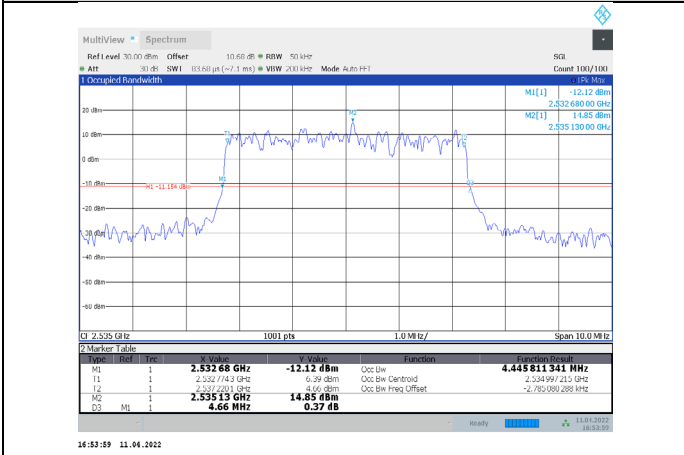
1-N7-PC3-15-5-M-3-CP-64QAM-Outer\_Full-25@0-Ant1  
-4.479-4.820-≤5-PASS



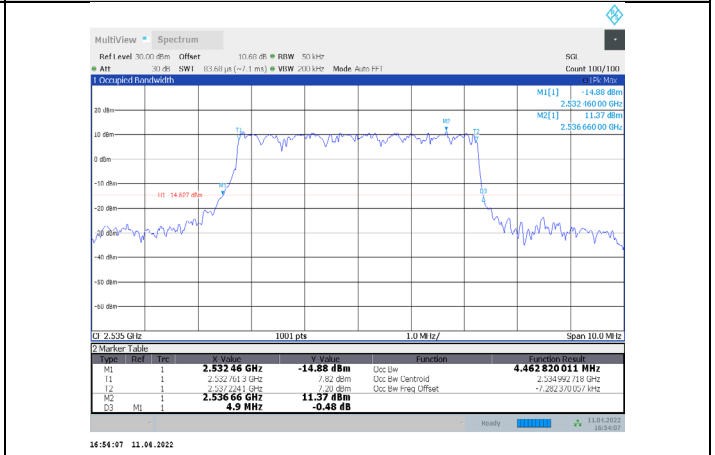
1-N7-PC3-15-5-M-4-CP-256QAM-Outer\_Full-25@0-An t1-4.453-4.630- $\leq 5$ -PASS



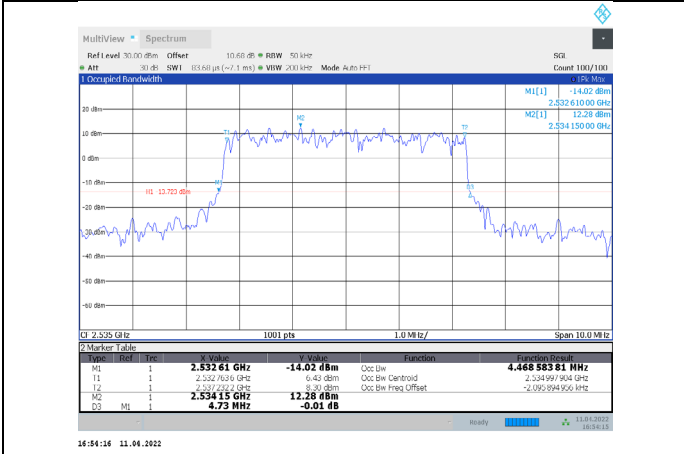
1-N7-PC3-15-5-M-5-DFT-PI/2BPSK-Outer\_Full-25@0-A nt1-4.461-4.820- $\leq 5$ -PASS



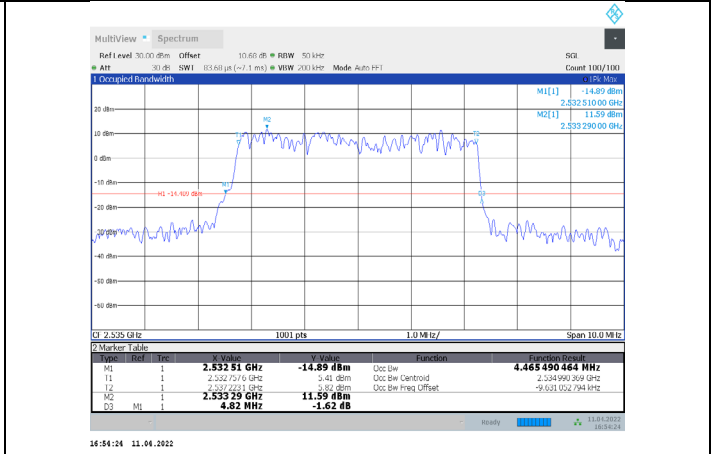
1-N7-PC3-15-5-M-6-DFT-QPSK-Outer\_Full-25@0-Ant 1-4.446-4.660- $\leq 5$ -PASS



1-N7-PC3-15-5-M-7-DFT-16QAM-Outer\_Full-25@0-Ant1 -4.463-4.900- $\leq 5$ -PASS

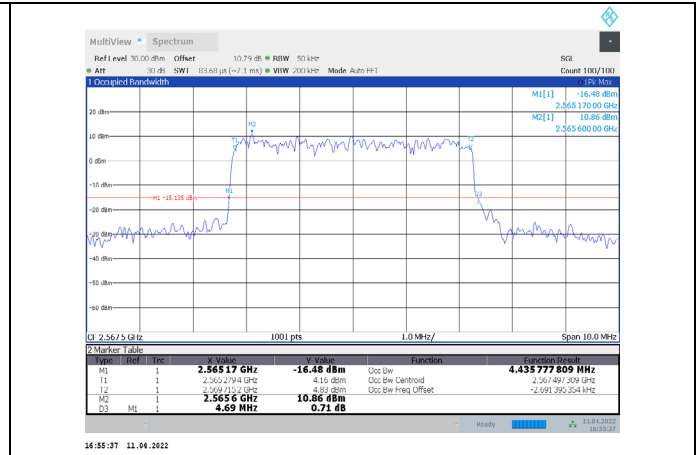
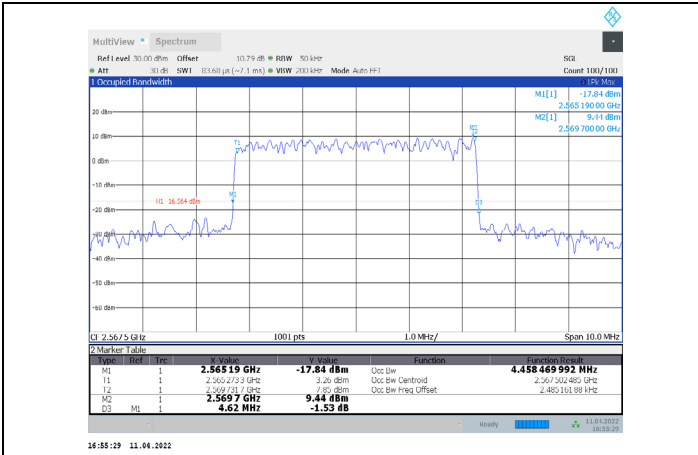


1-N7-PC3-15-5-M-8-DFT-64QAM-Outer\_Full-25@0-Ant t1-4.469-4.730- $\leq 5$ -PASS



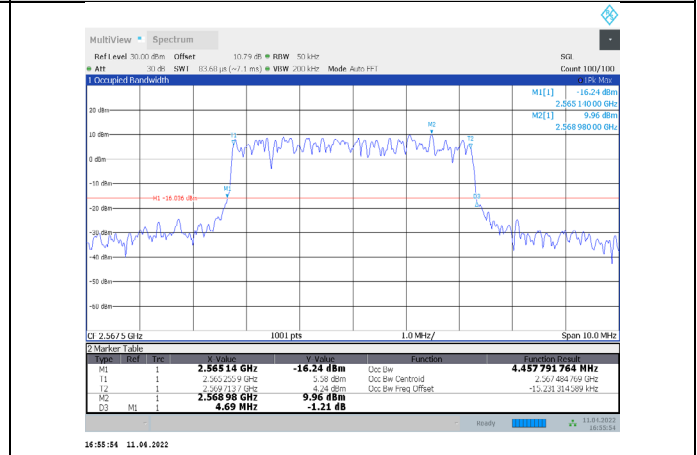
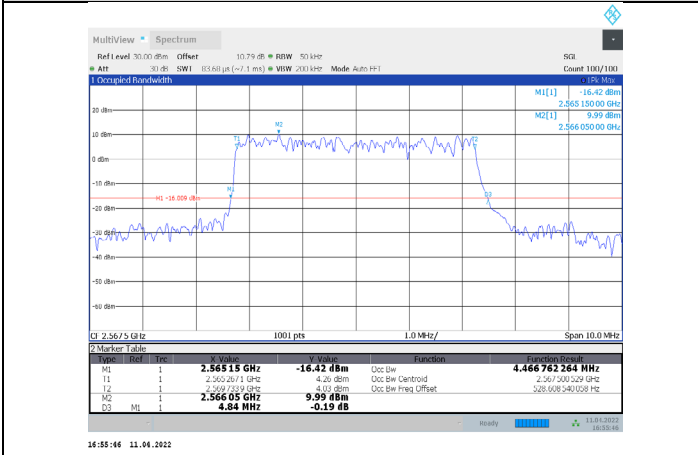
1-N7-PC3-15-5-M-9-DFT-256QAM-Outer\_Full-25@0-Ant 1-4.465-4.820- $\leq 5$ -PASS





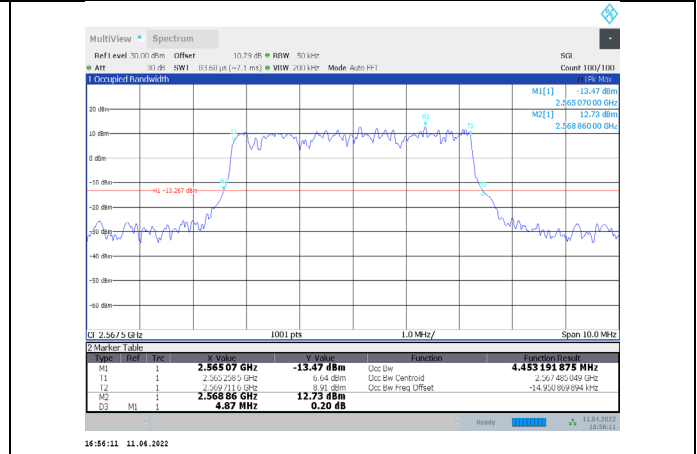
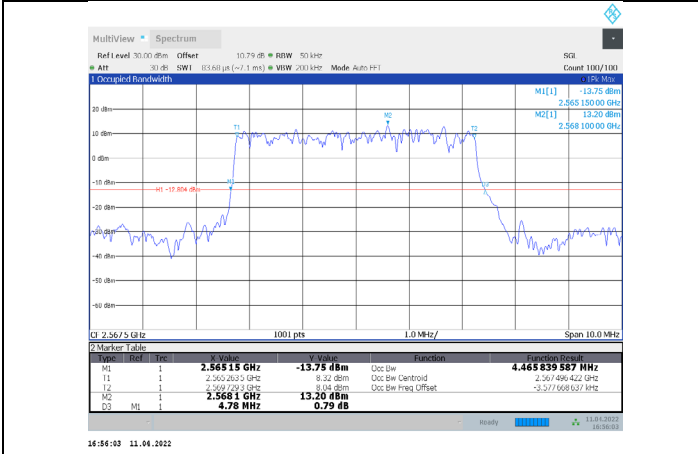
1-N7-PC3-15-5-H-1-CP-QPSK-Outer\_Full-25@0-Ant1-4.  
458-4.620-≤5-PASS

1-N7-PC3-15-5-H-2-CP-16QAM-Outer\_Full-25@0-Ant1  
-4.436-4.690-≤5-PASS



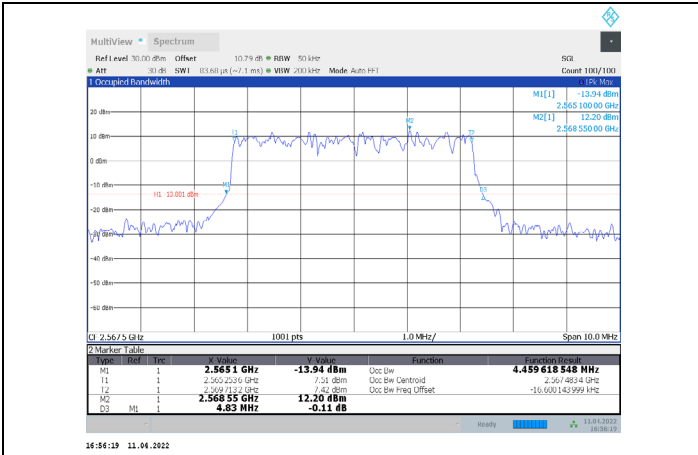
1-N7-PC3-15-5-H-3-CP-64QAM-Outer\_Full-25@0-Ant1-4.  
4.467-4.840-≤5-PASS

1-N7-PC3-15-5-H-4-CP-256QAM-Outer\_Full-25@0-Ant1  
1-4.458-4.690-≤5-PASS

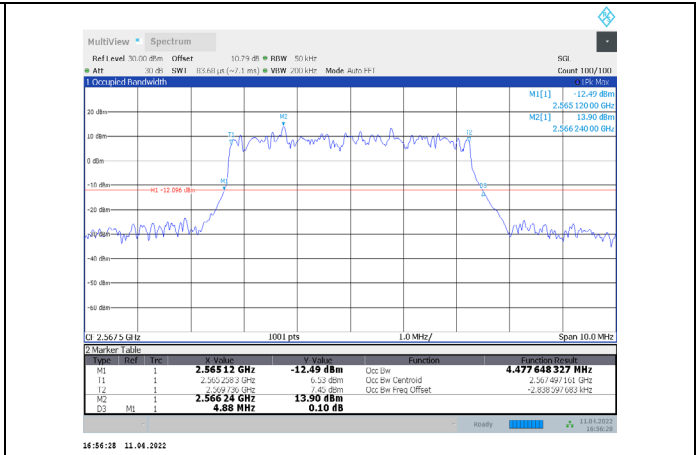


1-N7-PC3-15-5-H-5-DFT-PI/2BPSK-Outer\_Full-25@0-Ant1.  
4.466-4.780-≤5-PASS

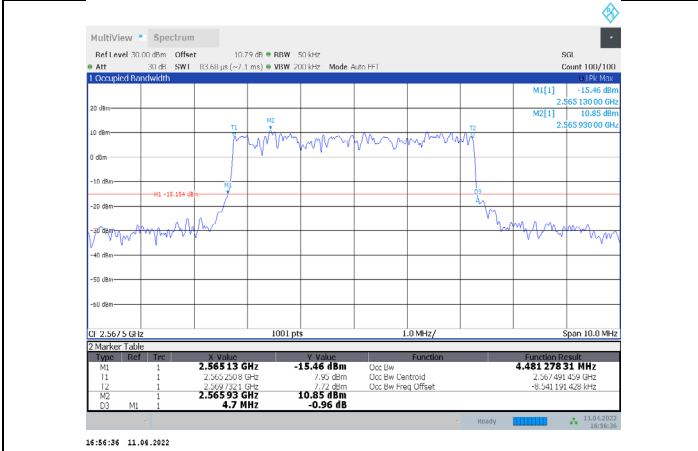
1-N7-PC3-15-5-H-6-DFT-QPSK-Outer\_Full-25@0-Ant1  
-4.453-4.870-≤5-PASS



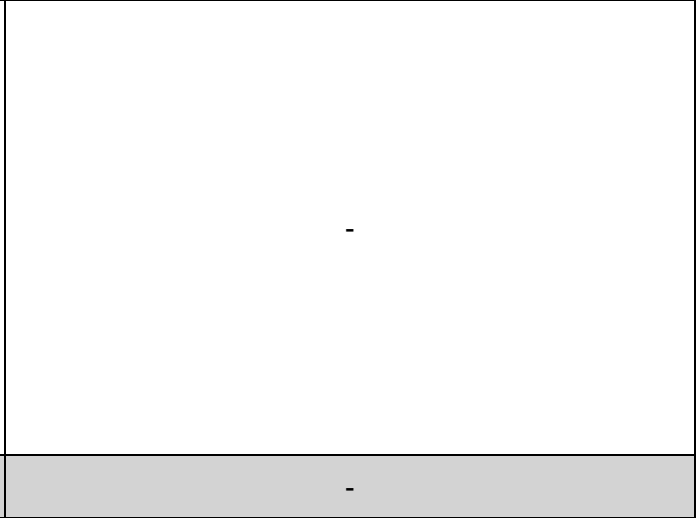
1-N7-PC3-15-5-H-7-DFT-16QAM-Outer\_Full-25@0-Ant1  
-4.46-4.830-≤5-PASS



1-N7-PC3-15-5-H-8-DFT-64QAM-Outer\_Full-25@0-Ant  
1-4.478-4.880-≤5-PASS

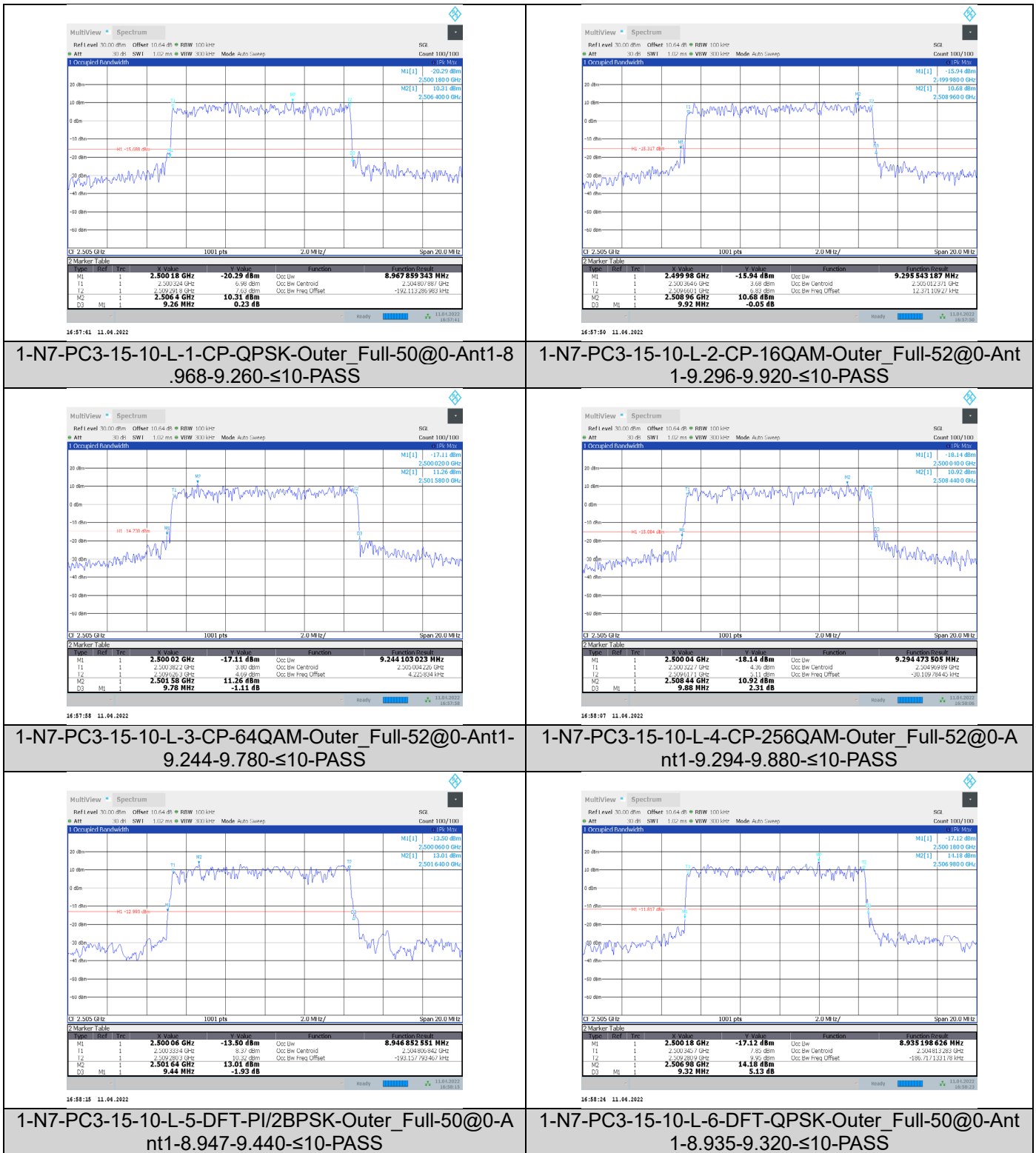


1-N7-PC3-15-5-H-9-DFT-256QAM-Outer\_Full-25@0-Ant  
1-4.481-4.700-≤5-PASS



-

## 4.2.2 CHANNEL BANDWIDTH=10MHZ



1-N7-PC3-15-10-L-1-CP-QPSK-Outer\_Full-50@0-Ant1-8  
 .968-9.260-≤10-PASS

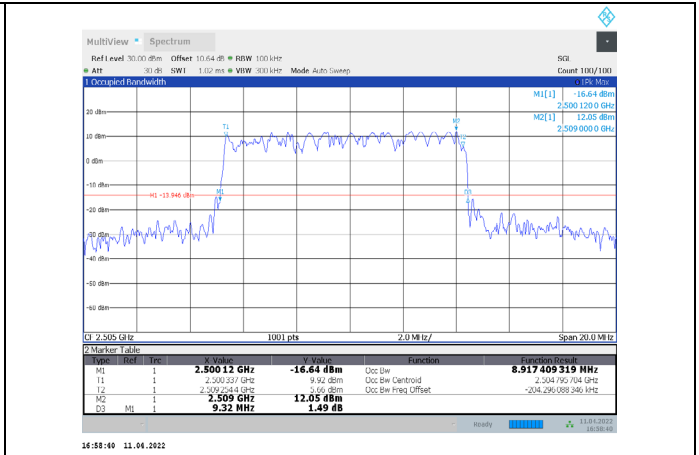
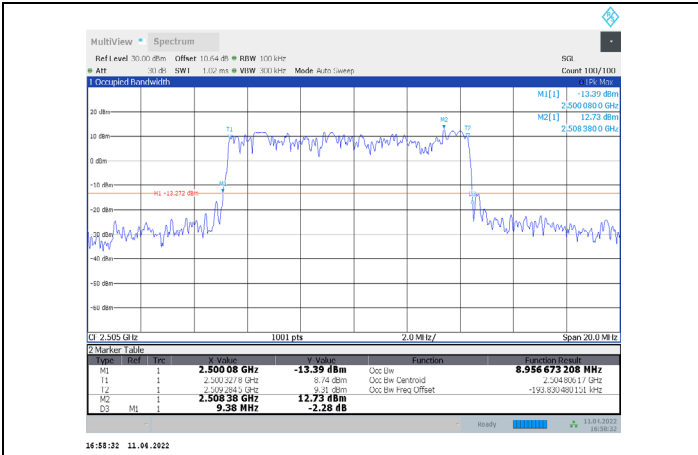
1-N7-PC3-15-10-L-2-CP-16QAM-Outer\_Full-52@0-Ant  
 1-9.296-9.920-≤10-PASS

1-N7-PC3-15-10-L-3-CP-64QAM-Outer\_Full-52@0-Ant1-8  
 9.244-9.780-≤10-PASS

1-N7-PC3-15-10-L-4-CP-256QAM-Outer\_Full-52@0-Ant  
 1-9.294-9.880-≤10-PASS

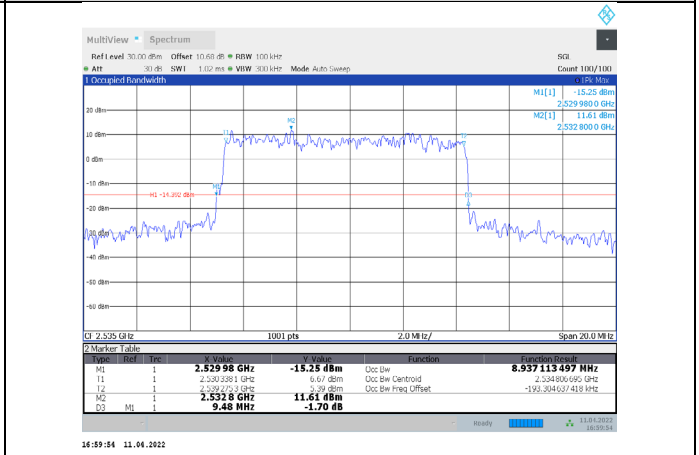
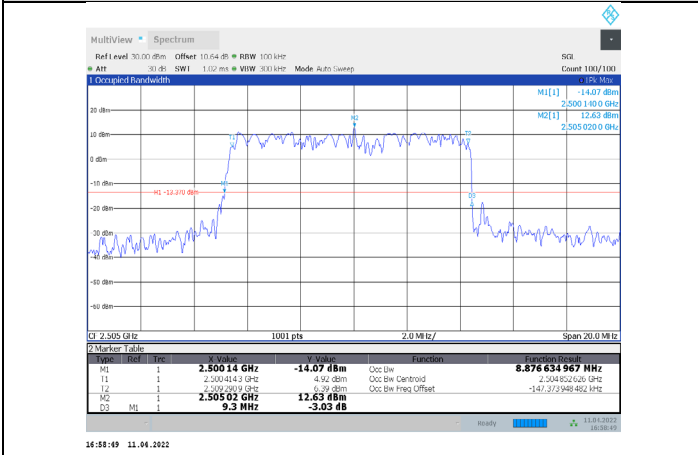
1-N7-PC3-15-10-L-5-DFT-PI/2BPSK-Outer\_Full-50@0-Ant  
 1-8.947-9.440-≤10-PASS

1-N7-PC3-15-10-L-6-DFT-QPSK-Outer\_Full-50@0-Ant  
 1-8.935-9.320-≤10-PASS



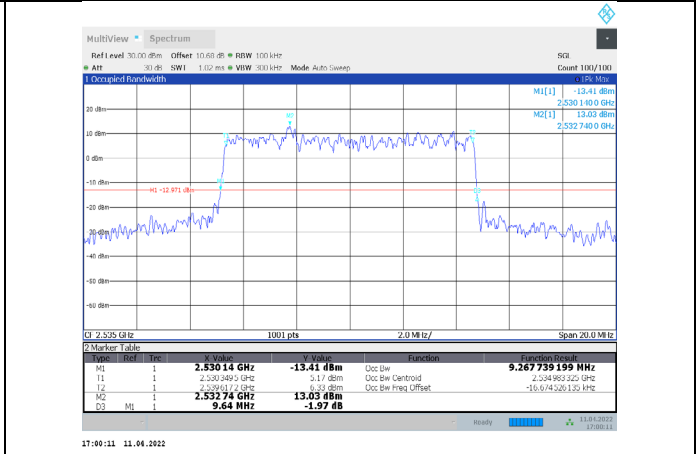
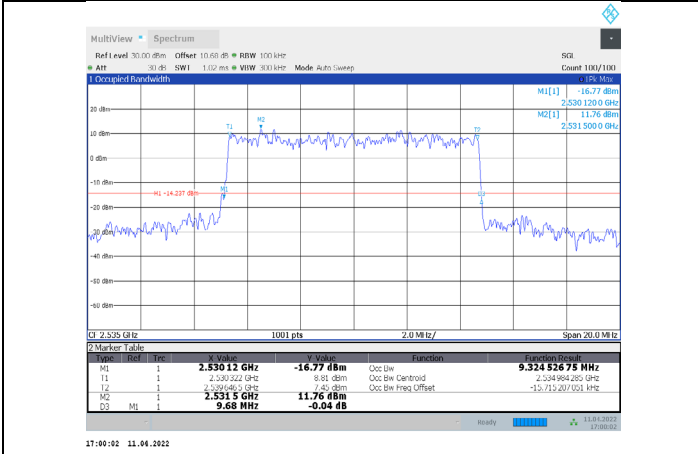
1-N7-PC3-15-10-L-7-DFT-16QAM-Outer\_Full-50@0-Ant  
1-8.957-9.380-≤10-PASS

1-N7-PC3-15-10-L-8-DFT-64QAM-Outer\_Full-50@0-An  
t1-8.917-9.320-≤10-PASS



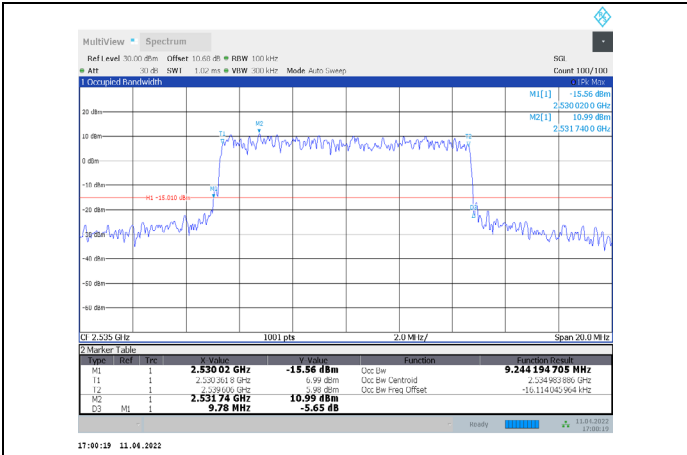
1-N7-PC3-15-10-L-9-DFT-256QAM-Outer\_Full-50@0-A  
nt1-8.877-9.300-≤10-PASS

1-N7-PC3-15-10-M-1-CP-QPSK-Outer\_Full-50@0-Ant1  
-8.937-9.480-≤10-PASS

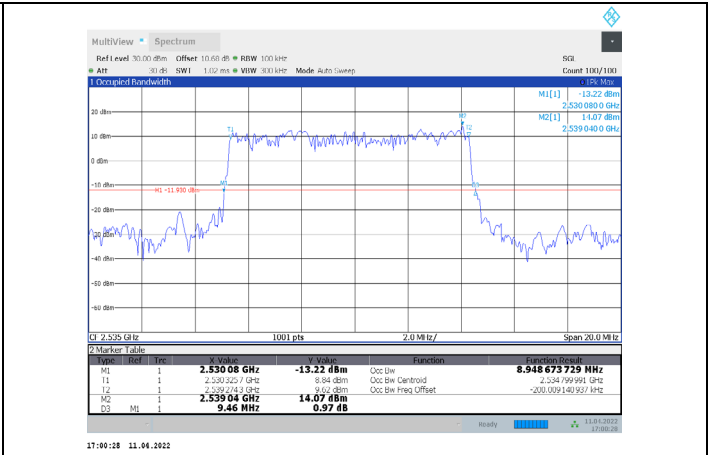


1-N7-PC3-15-10-M-2-CP-16QAM-Outer\_Full-52@0-Ant  
1-9.325-9.680-≤10-PASS

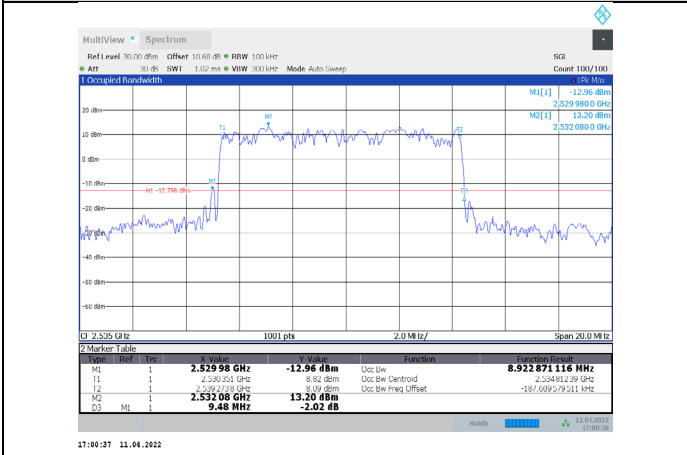
1-N7-PC3-15-10-M-3-CP-64QAM-Outer\_Full-52@0-Ant  
1-9.268-9.640-≤10-PASS



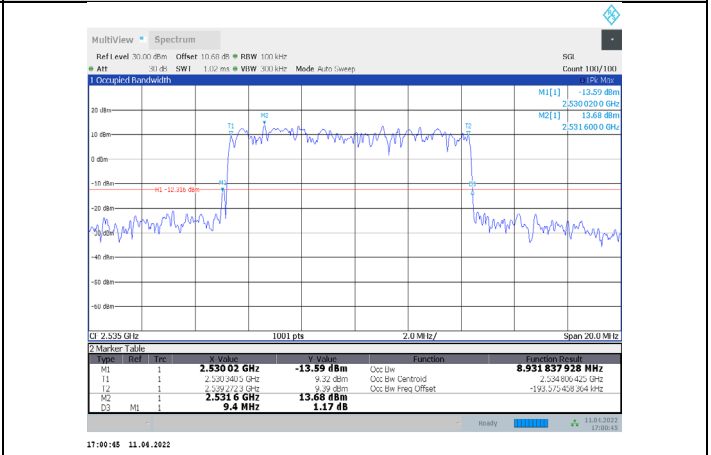
1-N7-PC3-15-10-M-4-CP-256QAM-Outer\_Full-52@0-A  
nt1-9.244-9.780≤10-PASS



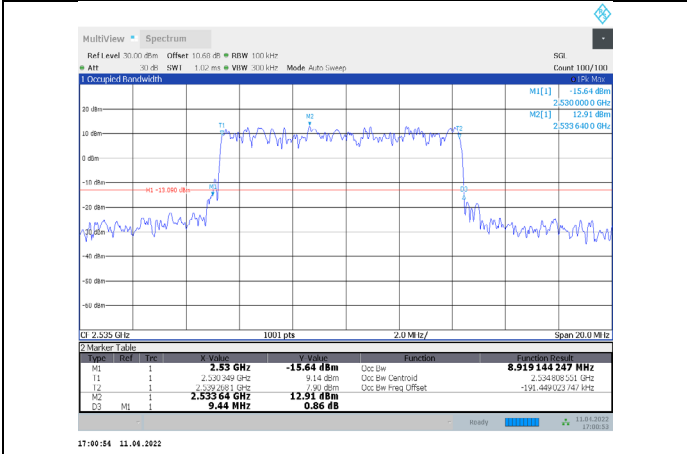
1-N7-PC3-15-10-M-5-DFT-PI/2BPSK-Outer\_Full-50@0-A  
Ant1-8.949-9.460≤10-PASS



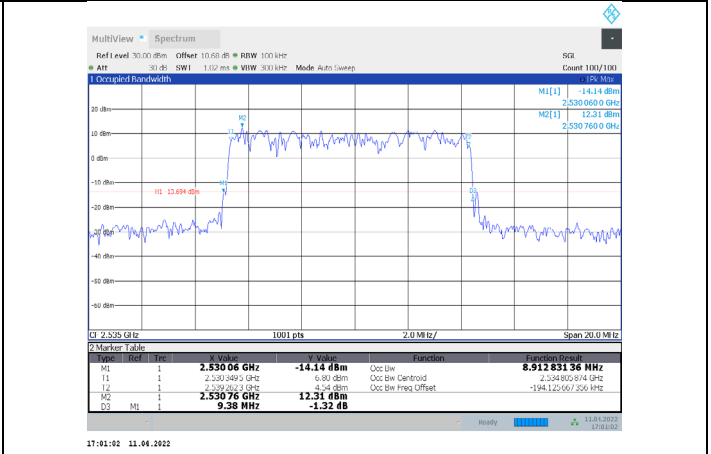
1-N7-PC3-15-10-M-6-DFT-QPSK-Outer\_Full-50@0-Ant  
t1-8.923-9.480≤10-PASS



1-N7-PC3-15-10-M-7-DFT-16QAM-Outer\_Full-50@0-Ant  
1-8.932-9.400≤10-PASS



1-N7-PC3-15-10-M-8-DFT-64QAM-Outer\_Full-50@0-A  
nt1-8.919-9.440≤10-PASS



1-N7-PC3-15-10-M-9-DFT-256QAM-Outer\_Full-50@0-A  
nt1-8.913-9.380≤10-PASS