Appendix for 5G NR N41

Model: VNE-N41

BTL-FCCP-9-2204C233

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1 Appendix A: Effective (Isotropic) Radiated Power of Transmitter

1.1 Test Result for SA

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB Config	Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
N41	30	20	L	2506.02	DFT-PI/2BPSK	Inner_Full	26.74	28.64	<33	PASS
N41	30	20	L	2506.02	DFT-PI/2BPSK	Inner_1RB_Left	26.75	28.65	<33	PASS
N41	30	20	L	2506.02	DFT-PI/2BPSK	Inner_1RB_Right	26.79	28.69	<33	PASS
N41	30	20	L	2506.02	DFT-PI/2BPSK	Outer_Full	26.79	28.69	<33	PASS
N41	30	20	L	2506.02	DFT-QPSK	Inner_Full	26.74	28.64	<33	PASS
N41	30	20	L	2506.02	DFT-QPSK	Inner_1RB_Left	26.77	28.67	<33	PASS
N41	30	20	L	2506.02	DFT-QPSK	Inner_1RB_Right	26.76	28.66	<33	PASS
N41	30	20	L	2506.02	DFT-QPSK	Outer_Full	24.91	26.81	<33	PASS
N41	30	20	L	2506.02	DFT-16QAM	Inner_Full	25.67	27.57	<33	PASS
N41	30	20	L	2506.02	DFT-16QAM	Inner_1RB_Left	26.02	27.92	<33	PASS
N41	30	20	L	2506.02	DFT-16QAM	Inner_1RB_Right	25.84	27.74	<33	PASS
N41	30	20	L	2506.02	DFT-16QAM	Outer_Full	24.93	26.83	<33	PASS
N41	30	20	M	2592.99	DFT-PI/2BPSK	Inner_Full	26.99	28.89	<33	PASS
N41	30	20	M	2592.99	DFT-PI/2BPSK	Inner_1RB_Left	27.00	28.9	<33	PASS
N41	30	20	M	2592.99	DFT-PI/2BPSK	Inner_1RB_Right	26.97	28.87	<33	PASS
N41	30	20	M	2592.99	DFT-PI/2BPSK	Outer_Full	26.89	28.79	<33	PASS
N41	30	20	M	2592.99	DFT-QPSK	Inner_Full	26.92	28.82	<33	PASS
N41	30	20	M	2592.99	DFT-QPSK	Inner_1RB_Left	26.90	28.8	<33	PASS
N41	30	20	M	2592.99	DFT-QPSK	Inner_1RB_Right	26.86	28.76	<33	PASS
N41	30	20	M	2592.99	DFT-QPSK	Outer_Full	25.55	27.45	<33	PASS
N41	30	20	M	2592.99	DFT-16QAM	Inner_Full	26.00	27.9	<33	PASS
N41	30	20	M	2592.99	DFT-16QAM	Inner_1RB_Left	26.07	27.97	<33	PASS
N41	30	20	M	2592.99	DFT-16QAM	Inner_1RB_Right	26.15	28.05	<33	PASS
N41	30	20	M	2592.99	DFT-16QAM	Outer_Full	25.02	26.92	<33	PASS
N41	30	20	H	2679.99	DFT-PI/2BPSK	Inner_Full	26.76	28.66	<33	PASS
N41	30	20	H	2679.99	DFT-PI/2BPSK	Inner_1RB_Left	26.67	28.57	<33	PASS
N41	30	20	H	2679.99	DFT-PI/2BPSK	Inner_1RB_Right	26.72	28.62	<33	PASS
N41	30	20	H	2679.99	DFT-PI/2BPSK	Outer_Full	26.64	28.54	<33	PASS
N41	30	20	H	2679.99	DFT-QPSK	Inner_Full	26.70	28.6	<33	PASS
N41	30	20	H	2679.99	DFT-QPSK	Inner_1RB_Left	26.72	28.62	<33	PASS
N41	30	20	H	2679.99	DFT-QPSK	Inner_1RB_Right	26.74	28.64	<33	PASS
N41	30	20	H	2679.99	DFT-QPSK	Outer_Full	26.70	28.6	<33	PASS
N41	30	20	H	2679.99	DFT-16QAM	Inner_Full	25.75	27.65	<33	PASS
N41	30	20	H	2679.99	DFT-16QAM	Inner_1RB_Left	25.95	27.85	<33	PASS
N41	30	20	H	2679.99	DFT-16QAM	Inner_1RB_Right	26.11	28.01	<33	PASS

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB Config	Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
N41	30	20	H	2679.99	DFT-16QAM	Outer_Full	24.87	26.77	<33	PASS
N41	30	60	L	2526	DFT-PI/2BPSK	Inner_Full	26.67	28.57	<33	PASS
N41	30	60	L	2526	DFT-PI/2BPSK	Inner_1RB_Left	26.65	28.55	<33	PASS
N41	30	60	L	2526	DFT-PI/2BPSK	Inner_1RB_Right	26.67	28.57	<33	PASS
N41	30	60	L	2526	DFT-PI/2BPSK	Outer_Full	26.58	28.48	<33	PASS
N41	30	60	L	2526	DFT-QPSK	Inner_Full	26.61	28.51	<33	PASS
N41	30	60	L	2526	DFT-QPSK	Inner_1RB_Left	26.64	28.54	<33	PASS
N41	30	60	L	2526	DFT-QPSK	Inner_1RB_Right	26.63	28.53	<33	PASS
N41	30	60	L	2526	DFT-QPSK	Outer_Full	25.00	26.9	<33	PASS
N41	30	60	L	2526	DFT-16QAM	Inner_Full	25.80	27.7	<33	PASS
N41	30	60	L	2526	DFT-16QAM	Inner_1RB_Left	26.05	27.95	<33	PASS
N41	30	60	L	2526	DFT-16QAM	Inner_1RB_Right	26.10	28	<33	PASS
N41	30	60	L	2526	DFT-16QAM	Outer_Full	24.57	26.47	<33	PASS
N41	30	60	M	2592.99	DFT-PI/2BPSK	Inner_Full	27.29	29.19	<33	PASS
N41	30	60	M	2592.99	DFT-PI/2BPSK	Inner_1RB_Left	26.97	28.87	<33	PASS
N41	30	60	M	2592.99	DFT-PI/2BPSK	Inner_1RB_Right	26.81	28.71	<33	PASS
N41	30	60	M	2592.99	DFT-PI/2BPSK	Outer_Full	26.93	28.83	<33	PASS
N41	30	60	M	2592.99	DFT-QPSK	Inner_Full	26.88	28.78	<33	PASS
N41	30	60	M	2592.99	DFT-QPSK	Inner_1RB_Left	26.99	28.89	<33	PASS
N41	30	60	M	2592.99	DFT-QPSK	Inner_1RB_Right	26.96	28.86	<33	PASS
N41	30	60	M	2592.99	DFT-QPSK	Outer_Full	26.12	28.02	<33	PASS
N41	30	60	M	2592.99	DFT-16QAM	Inner_Full	26.24	28.14	<33	PASS
N41	30	60	M	2592.99	DFT-16QAM	Inner_1RB_Left	26.12	28.02	<33	PASS
N41	30	60	M	2592.99	DFT-16QAM	Inner_1RB_Right	26.01	27.91	<33	PASS
N41	30	60	M	2592.99	DFT-16QAM	Outer_Full	25.14	27.04	<33	PASS
N41	30	60	H	2659.98	DFT-PI/2BPSK	Inner_Full	27.09	28.99	<33	PASS
N41	30	60	H	2659.98	DFT-PI/2BPSK	Inner_1RB_Left	27.25	29.15	<33	PASS
N41	30	60	H	2659.98	DFT-PI/2BPSK	Inner_1RB_Right	27.25	29.15	<33	PASS
N41	30	60	H	2659.98	DFT-PI/2BPSK	Outer_Full	27.25	29.15	<33	PASS
N41	30	60	H	2659.98	DFT-QPSK	Inner_Full	27.15	29.05	<33	PASS
N41	30	60	H	2659.98	DFT-QPSK	Inner_1RB_Left	27.15	29.05	<33	PASS
N41	30	60	H	2659.98	DFT-QPSK	Inner_1RB_Right	27.24	29.14	<33	PASS
N41	30	60	H	2659.98	DFT-QPSK	Outer_Full	27.24	29.14	<33	PASS
N41	30	60	H	2659.98	DFT-16QAM	Inner_Full	27.23	29.13	<33	PASS
N41	30	60	H	2659.98	DFT-16QAM	Inner_1RB_Left	27.23	29.13	<33	PASS
N41	30	60	H	2659.98	DFT-16QAM	Inner_1RB_Right	27.22	29.12	<33	PASS
N41	30	60	H	2659.98	DFT-16QAM	Outer_Full	27.11	29.01	<33	PASS
N41	30	100	L	2546.01	DFT-PI/2BPSK	Inner_Full	26.77	28.67	<33	PASS

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB Config	Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
N41	30	100	L	2546.01	DFT-PI/2BPSK	Inner_1RB_Left	26.34	28.24	<33	PASS
N41	30	100	L	2546.01	DFT-PI/2BPSK	Inner_1RB_Right	26.33	28.23	<33	PASS
N41	30	100	L	2546.01	DFT-PI/2BPSK	Outer_Full	26.41	28.31	<33	PASS
N41	30	100	L	2546.01	DFT-QPSK	Inner_Full	26.33	28.23	<33	PASS
N41	30	100	L	2546.01	DFT-QPSK	Inner_1RB_Left	26.41	28.31	<33	PASS
N41	30	100	L	2546.01	DFT-QPSK	Inner_1RB_Right	26.51	28.41	<33	PASS
N41	30	100	L	2546.01	DFT-QPSK	Outer_Full	26.31	28.21	<33	PASS
N41	30	100	L	2546.01	DFT-16QAM	Inner_Full	26.48	28.38	<33	PASS
N41	30	100	L	2546.01	DFT-16QAM	Inner_1RB_Left	26.49	28.39	<33	PASS
N41	30	100	L	2546.01	DFT-16QAM	Inner_1RB_Right	26.43	28.33	<33	PASS
N41	30	100	L	2546.01	DFT-16QAM	Outer_Full	26.48	28.38	<33	PASS
N41	30	100	M	2592.99	DFT-PI/2BPSK	Inner_Full	27.06	28.96	<33	PASS
N41	30	100	M	2592.99	DFT-PI/2BPSK	Inner_1RB_Left	26.55	28.45	<33	PASS
N41	30	100	M	2592.99	DFT-PI/2BPSK	Inner_1RB_Right	26.54	28.44	<33	PASS
N41	30	100	M	2592.99	DFT-PI/2BPSK	Outer_Full	26.55	28.45	<33	PASS
N41	30	100	M	2592.99	DFT-QPSK	Inner_Full	26.55	28.45	<33	PASS
N41	30	100	M	2592.99	DFT-QPSK	Inner_1RB_Left	26.55	28.45	<33	PASS
N41	30	100	M	2592.99	DFT-QPSK	Inner_1RB_Right	26.63	28.53	<33	PASS
N41	30	100	M	2592.99	DFT-QPSK	Outer_Full	26.55	28.45	<33	PASS
N41	30	100	M	2592.99	DFT-16QAM	Inner_Full	26.55	28.45	<33	PASS
N41	30	100	M	2592.99	DFT-16QAM	Inner_1RB_Left	26.63	28.53	<33	PASS
N41	30	100	M	2592.99	DFT-16QAM	Inner_1RB_Right	26.63	28.53	<33	PASS
N41	30	100	M	2592.99	DFT-16QAM	Outer_Full	26.63	28.53	<33	PASS
N41	30	100	H	2640	DFT-PI/2BPSK	Inner_Full	27.06	28.96	<33	PASS
N41	30	100	H	2640	DFT-PI/2BPSK	Inner_1RB_Left	27.34	29.24	<33	PASS
N41	30	100	H	2640	DFT-PI/2BPSK	Inner_1RB_Right	27.31	29.21	<33	PASS
N41	30	100	H	2640	DFT-PI/2BPSK	Outer_Full	27.34	29.24	<33	PASS
N41	30	100	H	2640	DFT-QPSK	Inner_Full	27.32	29.22	<33	PASS
N41	30	100	H	2640	DFT-QPSK	Inner_1RB_Left	27.34	29.24	<33	PASS
N41	30	100	H	2640	DFT-QPSK	Inner_1RB_Right	27.33	29.23	<33	PASS
N41	30	100	H	2640	DFT-QPSK	Outer_Full	27.33	29.23	<33	PASS
N41	30	100	H	2640	DFT-16QAM	Inner_Full	27.33	29.23	<33	PASS
N41	30	100	H	2640	DFT-16QAM	Inner_1RB_Left	27.24	29.14	<33	PASS
N41	30	100	H	2640	DFT-16QAM	Inner_1RB_Right	27.33	29.23	<33	PASS
N41	30	100	H	2640	DFT-16QAM	Outer_Full	27.30	29.2	<33	PASS

2 Appendix B: Peak-Average Ratio

2.1 Test Result for SA

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB Config	Measured [dBm]	Limit [dBm]	Verdict
N41	30	20	M	2592.99	DFT-PI/2BPSK	Outer_Full	9.75	≤13	PASS
N41	30	20	M	2592.99	DFT-QPSK	Outer_Full	8.62	≤13	PASS
N41	30	20	M	2592.99	DFT-16QAM	Outer_Full	8.74	≤13	PASS
N41	30	20	M	2592.99	DFT-64QAM	Outer_Full	8.88	≤13	PASS
N41	30	20	M	2592.99	DFT-256QAM	Outer_Full	8.85	≤13	PASS
N41	30	20	M	2592.99	CP-QPSK	Outer_Full	8.89	≤13	PASS
N41	30	20	M	2592.99	CP-16QAM	Outer_Full	9.25	≤13	PASS
N41	30	20	M	2592.99	CP-64QAM	Outer_Full	9.64	≤13	PASS
N41	30	20	M	2592.99	CP-256QAM	Outer_Full	9.31	≤13	PASS
N41	30	60	M	2592.99	DFT-PI/2BPSK	Outer_Full	8.84	≤13	PASS
N41	30	60	M	2592.99	DFT-QPSK	Outer_Full	8.79	≤13	PASS
N41	30	60	M	2592.99	DFT-16QAM	Outer_Full	8.59	≤13	PASS
N41	30	60	M	2592.99	DFT-64QAM	Outer_Full	8.59	≤13	PASS
N41	30	60	M	2592.99	DFT-256QAM	Outer_Full	8.41	≤13	PASS
N41	30	60	M	2592.99	CP-QPSK	Outer_Full	8.71	≤13	PASS
N41	30	60	M	2592.99	CP-16QAM	Outer_Full	9.28	≤13	PASS
N41	30	60	M	2592.99	CP-64QAM	Outer_Full	8.91	≤13	PASS
N41	30	60	M	2592.99	CP-256QAM	Outer_Full	9.09	≤13	PASS
N41	30	100	M	2592.99	DFT-PI/2BPSK	Outer_Full	9.17	≤13	PASS
N41	30	100	M	2592.99	DFT-QPSK	Outer_Full	8.93	≤13	PASS
N41	30	100	M	2592.99	DFT-16QAM	Outer_Full	9.07	≤13	PASS
N41	30	100	M	2592.99	DFT-64QAM	Outer_Full	9.13	≤13	PASS
N41	30	100	M	2592.99	DFT-256QAM	Outer_Full	8.43	≤13	PASS
N41	30	100	M	2592.99	CP-QPSK	Outer_Full	9.15	≤13	PASS
N41	30	100	M	2592.99	CP-16QAM	Outer_Full	9.17	≤13	PASS
N41	30	100	M	2592.99	CP-64QAM	Outer_Full	8.97	≤13	PASS
N41	30	100	M	2592.99	CP-256QAM	Outer_Full	8.98	≤13	PASS

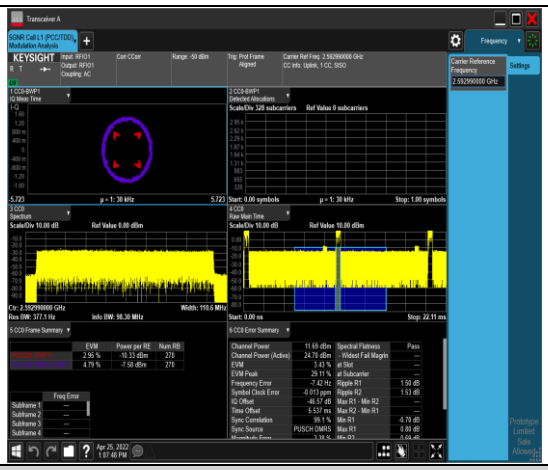
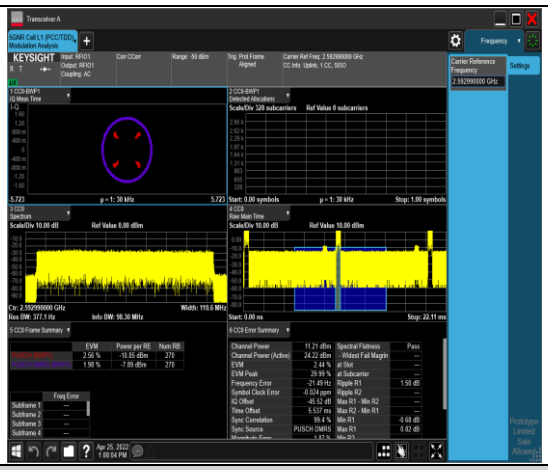
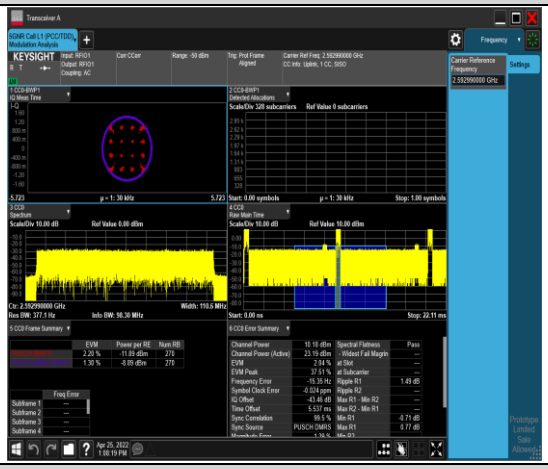
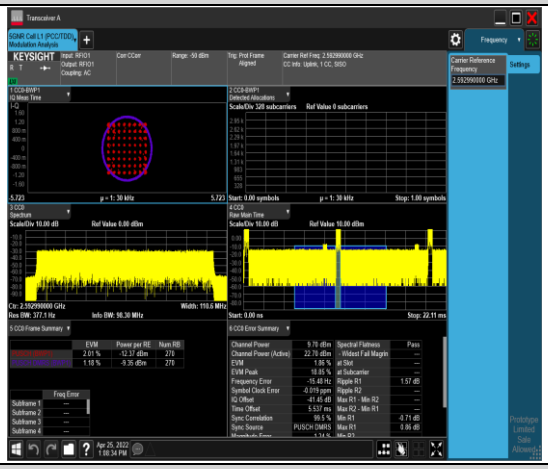
3 Appendix C: Modulation characteristics

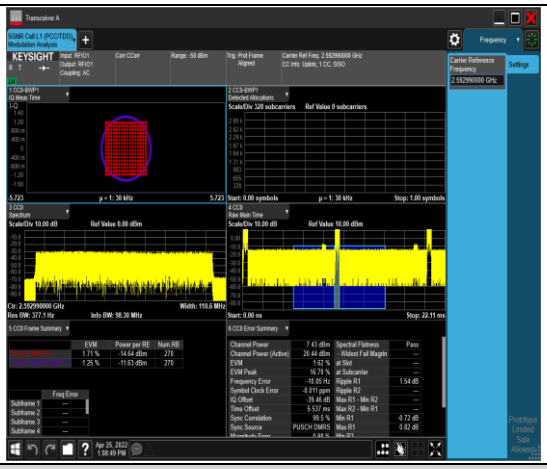
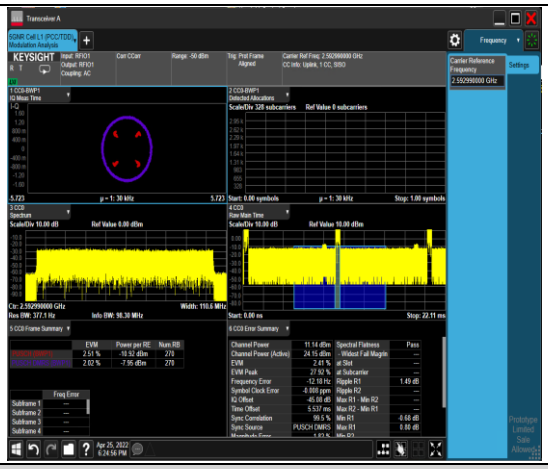
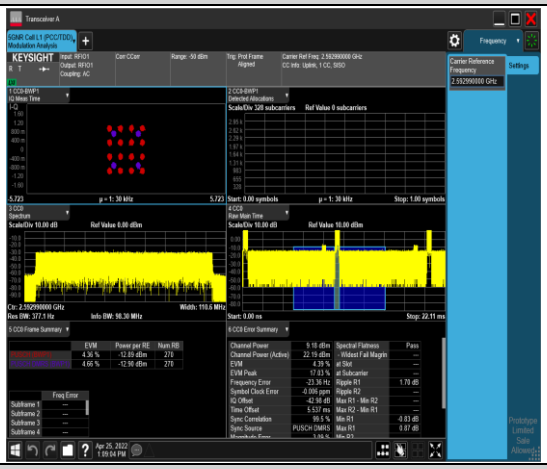
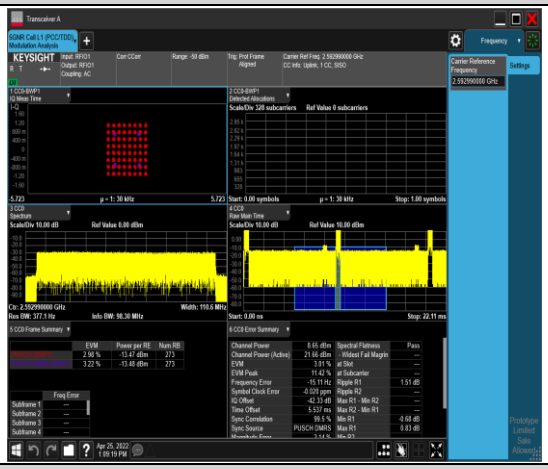
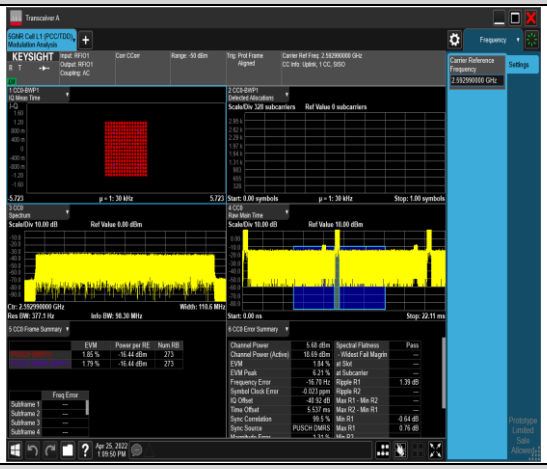
3.1 Test Result for SA

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Verdict
N41	30	100	M	2592.99	DFT-PI/2BPSK	Outer_Full	PASS
N41	30	100	M	2592.99	DFT-QPSK	Outer_Full	PASS
N41	30	100	M	2592.99	DFT-16QAM	Outer_Full	PASS
N41	30	100	M	2592.99	DFT-64QAM	Outer_Full	PASS
N41	30	100	M	2592.99	DFT-256QAM	Outer_Full	PASS
N41	30	100	M	2592.99	CP-QPSK	Outer_Full	PASS
N41	30	100	M	2592.99	CP-16QAM	Outer_Full	PASS
N41	30	100	M	2592.99	CP-64QAM	Outer_Full	PASS
N41	30	100	M	2592.99	CP-256QAM	Outer_Full	PASS

3.2 Test Plots for SA

Channel bandwidth=20MHz

	
1-N41-PC2-30-100-M-1-DFT-PI/2BPSK-Outer_Full-270 @0-Ant1-see graph-PASS	1-N41-PC2-30-100-M-2-DFT-QPSK-Outer_Full-270@0 -Ant1-see graph-PASS
	
1-N41-PC2-30-100-M-3-DFT-16QAM-Outer_Full-270@0-Ant1-see graph-PASS	1-N41-PC2-30-100-M-4-DFT-64QAM-Outer_Full-270@ 0-Ant1-see graph-PASS

	
1-N41-PC2-30-100-M-5-DFT-256QAM-Outer_Full-270@0-Ant1-see graph-PASS	1-N41-PC2-30-100-M-6-CP-QPSK-Outer_Full-273@0-Ant1-see graph-PASS
	
1-N41-PC2-30-100-M-7-CP-16QAM-Outer_Full-273@0-Ant1-see graph-PASS	1-N41-PC2-30-100-M-8-CP-64QAM-Outer_Full-273@0-Ant1-see graph-PASS
	-
1-N41-PC2-30-100-M-9-CP-256QAM-Outer_Full-273@0-Ant1-see graph-PASS	-

4 Appendix D: Occupied Bandwidth

4.1 Test Result for SA

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
N41	30	20	L	2506.02	CP-QPSK	Outer_Full	17.843	18.920	PASS
N41	30	20	L	2506.02	CP-16QAM	Outer_Full	18.221	19.240	PASS
N41	30	20	L	2506.02	CP-64QAM	Outer_Full	18.148	18.880	PASS
N41	30	20	L	2506.02	CP-256QAM	Outer_Full	18.235	19.640	PASS
N41	30	20	L	2506.02	DFT-PI/2BPSK	Outer_Full	17.919	18.720	PASS
N41	30	20	L	2506.02	DFT-QPSK	Outer_Full	17.723	18.760	PASS
N41	30	20	L	2506.02	DFT-16QAM	Outer_Full	17.893	18.720	PASS
N41	30	20	L	2506.02	DFT-64QAM	Outer_Full	17.785	18.880	PASS
N41	30	20	L	2506.02	DFT-256QAM	Outer_Full	17.926	18.520	PASS
N41	30	20	M	2592.99	CP-QPSK	Outer_Full	17.855	18.600	PASS
N41	30	20	M	2592.99	CP-16QAM	Outer_Full	18.215	18.800	PASS
N41	30	20	M	2592.99	CP-64QAM	Outer_Full	18.234	18.840	PASS
N41	30	20	M	2592.99	CP-256QAM	Outer_Full	18.33	19.120	PASS
N41	30	20	M	2592.99	DFT-PI/2BPSK	Outer_Full	17.847	19.000	PASS
N41	30	20	M	2592.99	DFT-QPSK	Outer_Full	17.769	18.720	PASS
N41	30	20	M	2592.99	DFT-16QAM	Outer_Full	17.738	18.440	PASS
N41	30	20	M	2592.99	DFT-64QAM	Outer_Full	17.775	18.680	PASS
N41	30	20	M	2592.99	DFT-256QAM	Outer_Full	17.729	18.600	PASS
N41	30	20	H	2679.99	CP-QPSK	Outer_Full	17.821	18.680	PASS
N41	30	20	H	2679.99	CP-16QAM	Outer_Full	18.089	19.080	PASS
N41	30	20	H	2679.99	CP-64QAM	Outer_Full	18.222	19.080	PASS
N41	30	20	H	2679.99	CP-256QAM	Outer_Full	18.243	18.880	PASS
N41	30	20	H	2679.99	DFT-PI/2BPSK	Outer_Full	17.7	18.600	PASS
N41	30	20	H	2679.99	DFT-QPSK	Outer_Full	17.686	18.480	PASS
N41	30	20	H	2679.99	DFT-16QAM	Outer_Full	17.877	18.520	PASS
N41	30	20	H	2679.99	DFT-64QAM	Outer_Full	17.796	18.840	PASS
N41	30	20	H	2679.99	DFT-256QAM	Outer_Full	17.881	18.800	PASS
N41	30	30	L	2511	CP-QPSK	Outer_Full	26.711	27.960	PASS
N41	30	30	L	2511	CP-16QAM	Outer_Full	27.74	28.980	PASS
N41	30	30	L	2511	CP-64QAM	Outer_Full	27.798	29.100	PASS
N41	30	30	L	2511	CP-256QAM	Outer_Full	27.789	29.220	PASS
N41	30	30	L	2511	DFT-PI/2BPSK	Outer_Full	26.775	27.780	PASS
N41	30	30	L	2511	DFT-QPSK	Outer_Full	26.671	27.900	PASS
N41	30	30	L	2511	DFT-16QAM	Outer_Full	26.728	27.720	PASS

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
N41	30	30	L	2511	DFT-64QAM	Outer_Full	26.827	28.140	PASS
N41	30	30	L	2511	DFT-256QAM	Outer_Full	26.877	28.020	PASS
N41	30	30	M	2592.99	CP-QPSK	Outer_Full	26.645	27.780	PASS
N41	30	30	M	2592.99	CP-16QAM	Outer_Full	27.446	29.640	PASS
N41	30	30	M	2592.99	CP-64QAM	Outer_Full	27.921	28.920	PASS
N41	30	30	M	2592.99	CP-256QAM	Outer_Full	27.686	29.280	PASS
N41	30	30	M	2592.99	DFT-PI/2BPSK	Outer_Full	26.824	27.780	PASS
N41	30	30	M	2592.99	DFT-QPSK	Outer_Full	26.762	28.020	PASS
N41	30	30	M	2592.99	DFT-16QAM	Outer_Full	26.869	27.780	PASS
N41	30	30	M	2592.99	DFT-64QAM	Outer_Full	17.925	18.480	PASS
N41	30	30	M	2592.99	DFT-256QAM	Outer_Full	26.783	28.200	PASS
N41	30	30	H	2674.98	CP-QPSK	Outer_Full	26.813	27.840	PASS
N41	30	30	H	2674.98	CP-16QAM	Outer_Full	27.728	28.920	PASS
N41	30	30	H	2674.98	CP-64QAM	Outer_Full	27.863	29.220	PASS
N41	30	30	H	2674.98	CP-256QAM	Outer_Full	27.798	28.980	PASS
N41	30	30	H	2674.98	DFT-PI/2BPSK	Outer_Full	26.686	27.960	PASS
N41	30	30	H	2674.98	DFT-QPSK	Outer_Full	26.902	27.840	PASS
N41	30	30	H	2674.98	DFT-16QAM	Outer_Full	26.564	27.840	PASS
N41	30	30	H	2674.98	DFT-64QAM	Outer_Full	26.747	27.660	PASS
N41	30	30	H	2674.98	DFT-256QAM	Outer_Full	26.753	28.020	PASS
N41	30	40	L	2516.01	CP-QPSK	Outer_Full	35.574	37.040	PASS
N41	30	40	L	2516.01	CP-16QAM	Outer_Full	37.757	39.600	PASS
N41	30	40	L	2516.01	CP-64QAM	Outer_Full	37.816	39.280	PASS
N41	30	40	L	2516.01	CP-256QAM	Outer_Full	37.853	39.360	PASS
N41	30	40	L	2516.01	DFT-PI/2BPSK	Outer_Full	35.766	37.280	PASS
N41	30	40	L	2516.01	DFT-QPSK	Outer_Full	35.742	37.200	PASS
N41	30	40	L	2516.01	DFT-16QAM	Outer_Full	35.743	37.120	PASS
N41	30	40	L	2516.01	DFT-64QAM	Outer_Full	35.702	37.040	PASS
N41	30	40	L	2516.01	DFT-256QAM	Outer_Full	35.833	37.200	PASS
N41	30	40	M	2592.99	CP-QPSK	Outer_Full	35.76	37.200	PASS
N41	30	40	M	2592.99	CP-16QAM	Outer_Full	37.858	39.360	PASS
N41	30	40	M	2592.99	CP-64QAM	Outer_Full	37.971	39.440	PASS
N41	30	40	M	2592.99	CP-256QAM	Outer_Full	37.829	39.440	PASS
N41	30	40	M	2592.99	DFT-PI/2BPSK	Outer_Full	35.807	37.280	PASS
N41	30	40	M	2592.99	DFT-QPSK	Outer_Full	35.526	37.360	PASS
N41	30	40	M	2592.99	DFT-16QAM	Outer_Full	35.987	37.360	PASS
N41	30	40	M	2592.99	DFT-64QAM	Outer_Full	35.418	37.280	PASS

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
N41	30	40	M	2592.99	DFT-256QAM	Outer_Full	35.746	37.440	PASS
N41	30	40	H	2670	CP-QPSK	Outer_Full	35.617	37.120	PASS
N41	30	40	H	2670	CP-16QAM	Outer_Full	38.023	39.440	PASS
N41	30	40	H	2670	CP-64QAM	Outer_Full	37.811	39.600	PASS
N41	30	40	H	2670	CP-256QAM	Outer_Full	37.901	39.440	PASS
N41	30	40	H	2670	DFT-PI/2BPSK	Outer_Full	35.713	37.280	PASS
N41	30	40	H	2670	DFT-QPSK	Outer_Full	35.678	37.280	PASS
N41	30	40	H	2670	DFT-16QAM	Outer_Full	35.77	37.280	PASS
N41	30	40	H	2670	DFT-64QAM	Outer_Full	35.716	37.360	PASS
N41	30	40	H	2670	DFT-256QAM	Outer_Full	35.46	37.200	PASS
N41	30	50	L	2521.02	CP-QPSK	Outer_Full	45.786	47.300	PASS
N41	30	50	L	2521.02	CP-16QAM	Outer_Full	47.413	49.200	PASS
N41	30	50	L	2521.02	CP-64QAM	Outer_Full	47.609	48.900	PASS
N41	30	50	L	2521.02	CP-256QAM	Outer_Full	47.461	49.200	PASS
N41	30	50	L	2521.02	DFT-PI/2BPSK	Outer_Full	45.784	47.300	PASS
N41	30	50	L	2521.02	DFT-QPSK	Outer_Full	45.554	47.200	PASS
N41	30	50	L	2521.02	DFT-16QAM	Outer_Full	45.532	47.200	PASS
N41	30	50	L	2521.02	DFT-64QAM	Outer_Full	45.864	47.400	PASS
N41	30	50	L	2521.02	DFT-256QAM	Outer_Full	45.292	47.400	PASS
N41	30	50	M	2592.99	CP-QPSK	Outer_Full	45.721	47.400	PASS
N41	30	50	M	2592.99	CP-16QAM	Outer_Full	47.609	49.000	PASS
N41	30	50	M	2592.99	CP-64QAM	Outer_Full	47.208	49.400	PASS
N41	30	50	M	2592.99	CP-256QAM	Outer_Full	47.233	49.000	PASS
N41	30	50	M	2592.99	DFT-PI/2BPSK	Outer_Full	45.823	47.300	PASS
N41	30	50	M	2592.99	DFT-QPSK	Outer_Full	45.34	47.100	PASS
N41	30	50	M	2592.99	DFT-16QAM	Outer_Full	45.694	47.400	PASS
N41	30	50	M	2592.99	DFT-64QAM	Outer_Full	45.785	47.300	PASS
N41	30	50	M	2592.99	DFT-256QAM	Outer_Full	45.482	47.300	PASS
N41	30	50	H	2664.99	CP-QPSK	Outer_Full	45.765	47.200	PASS
N41	30	50	H	2664.99	CP-16QAM	Outer_Full	47.64	49.200	PASS
N41	30	50	H	2664.99	CP-64QAM	Outer_Full	47.561	49.300	PASS
N41	30	50	H	2664.99	CP-256QAM	Outer_Full	47.397	49.100	PASS
N41	30	50	H	2664.99	DFT-PI/2BPSK	Outer_Full	45.593	47.300	PASS
N41	30	50	H	2664.99	DFT-QPSK	Outer_Full	45.594	47.200	PASS
N41	30	50	H	2664.99	DFT-16QAM	Outer_Full	45.897	47.400	PASS
N41	30	50	H	2664.99	DFT-64QAM	Outer_Full	45.185	47.300	PASS
N41	30	50	H	2664.99	DFT-256QAM	Outer_Full	45.497	47.300	PASS

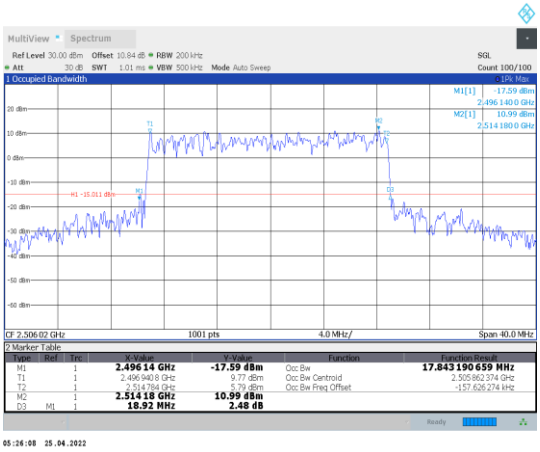
NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
N41	30	60	L	2526	CP-QPSK	Outer_Full	57.906	59.520	PASS
N41	30	60	L	2526	CP-16QAM	Outer_Full	57.615	59.520	PASS
N41	30	60	L	2526	CP-64QAM	Outer_Full	57.718	59.640	PASS
N41	30	60	L	2526	CP-256QAM	Outer_Full	57.593	59.520	PASS
N41	30	60	L	2526	DFT-PI/2BPSK	Outer_Full	57.916	59.640	PASS
N41	30	60	L	2526	DFT-QPSK	Outer_Full	57.532	59.520	PASS
N41	30	60	L	2526	DFT-16QAM	Outer_Full	57.918	59.520	PASS
N41	30	60	L	2526	DFT-64QAM	Outer_Full	57.657	59.760	PASS
N41	30	60	L	2526	DFT-256QAM	Outer_Full	57.74	59.640	PASS
N41	30	60	M	2592.99	CP-QPSK	Outer_Full	57.951	59.760	PASS
N41	30	60	M	2592.99	CP-16QAM	Outer_Full	57.787	59.640	PASS
N41	30	60	M	2592.99	CP-64QAM	Outer_Full	57.659	59.640	PASS
N41	30	60	M	2592.99	CP-256QAM	Outer_Full	57.774	59.640	PASS
N41	30	60	M	2592.99	DFT-PI/2BPSK	Outer_Full	57.427	59.640	PASS
N41	30	60	M	2592.99	DFT-QPSK	Outer_Full	57.845	60.000	PASS
N41	30	60	M	2592.99	DFT-16QAM	Outer_Full	57.895	59.760	PASS
N41	30	60	M	2592.99	DFT-64QAM	Outer_Full	57.664	59.520	PASS
N41	30	60	M	2592.99	DFT-256QAM	Outer_Full	57.833	59.640	PASS
N41	30	60	H	2659.98	CP-QPSK	Outer_Full	57.919	59.880	PASS
N41	30	60	H	2659.98	CP-16QAM	Outer_Full	57.812	59.640	PASS
N41	30	60	H	2659.98	CP-64QAM	Outer_Full	57.85	59.760	PASS
N41	30	60	H	2659.98	CP-256QAM	Outer_Full	57.592	59.640	PASS
N41	30	60	H	2659.98	DFT-PI/2BPSK	Outer_Full	53.695	55.560	PASS
N41	30	60	H	2659.98	DFT-QPSK	Outer_Full	57.811	59.520	PASS
N41	30	60	H	2659.98	DFT-16QAM	Outer_Full	57.727	59.760	PASS
N41	30	60	H	2659.98	DFT-64QAM	Outer_Full	57.787	59.520	PASS
N41	30	60	H	2659.98	DFT-256QAM	Outer_Full	58.013	59.760	PASS
N41	30	80	L	2536.02	CP-QPSK	Outer_Full	76.782	79.680	PASS
N41	30	80	L	2536.02	CP-16QAM	Outer_Full	77.483	80.160	PASS
N41	30	80	L	2536.02	CP-64QAM	Outer_Full	77.038	80.320	PASS
N41	30	80	L	2536.02	CP-256QAM	Outer_Full	77.385	80.480	PASS
N41	30	80	L	2536.02	DFT-PI/2BPSK	Outer_Full	76.754	80.000	PASS
N41	30	80	L	2536.02	DFT-QPSK	Outer_Full	76.952	80.320	PASS
N41	30	80	L	2536.02	DFT-16QAM	Outer_Full	76.706	79.840	PASS
N41	30	80	L	2536.02	DFT-64QAM	Outer_Full	76.668	80.000	PASS
N41	30	80	L	2536.02	DFT-256QAM	Outer_Full	77.11	80.160	PASS
N41	30	80	M	2592.99	CP-QPSK	Outer_Full	77.288	80.160	PASS

NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
N41	30	80	M	2592.99	CP-16QAM	Outer_Full	77.339	80.800	PASS
N41	30	80	M	2592.99	CP-64QAM	Outer_Full	77.455	80.640	PASS
N41	30	80	M	2592.99	CP-256QAM	Outer_Full	77.253	80.640	PASS
N41	30	80	M	2592.99	DFT-PI/2BPSK	Outer_Full	77.288	80.160	PASS
N41	30	80	M	2592.99	DFT-QPSK	Outer_Full	77.12	80.160	PASS
N41	30	80	M	2592.99	DFT-16QAM	Outer_Full	77.207	79.840	PASS
N41	30	80	M	2592.99	DFT-64QAM	Outer_Full	77.003	80.320	PASS
N41	30	80	M	2592.99	DFT-256QAM	Outer_Full	77.142	80.000	PASS
N41	30	80	H	2649.99	CP-QPSK	Outer_Full	76.874	80.480	PASS
N41	30	80	H	2649.99	CP-16QAM	Outer_Full	77.233	80.480	PASS
N41	30	80	H	2649.99	CP-64QAM	Outer_Full	77.645	80.480	PASS
N41	30	80	H	2649.99	CP-256QAM	Outer_Full	77.179	80.320	PASS
N41	30	80	H	2649.99	DFT-PI/2BPSK	Outer_Full	77.268	80.160	PASS
N41	30	80	H	2649.99	DFT-QPSK	Outer_Full	76.996	80.000	PASS
N41	30	80	H	2649.99	DFT-16QAM	Outer_Full	76.798	80.320	PASS
N41	30	80	H	2649.99	DFT-64QAM	Outer_Full	77.019	80.160	PASS
N41	30	80	H	2649.99	DFT-256QAM	Outer_Full	77.052	80.000	PASS
N41	30	90	L	2541	CP-QPSK	Outer_Full	86.365	89.820	PASS
N41	30	90	L	2541	CP-16QAM	Outer_Full	86.882	90.540	PASS
N41	30	90	L	2541	CP-64QAM	Outer_Full	86.948	90.360	PASS
N41	30	90	L	2541	CP-256QAM	Outer_Full	86.778	90.540	PASS
N41	30	90	L	2541	DFT-PI/2BPSK	Outer_Full	85.556	88.560	PASS
N41	30	90	L	2541	DFT-QPSK	Outer_Full	85.448	88.740	PASS
N41	30	90	L	2541	DFT-16QAM	Outer_Full	85.253	88.560	PASS
N41	30	90	L	2541	DFT-64QAM	Outer_Full	85.605	88.560	PASS
N41	30	90	L	2541	DFT-256QAM	Outer_Full	85.196	88.740	PASS
N41	30	90	M	2592.99	CP-QPSK	Outer_Full	86.884	89.820	PASS
N41	30	90	M	2592.99	CP-16QAM	Outer_Full	87.585	91.080	PASS
N41	30	90	M	2592.99	CP-64QAM	Outer_Full	87.323	90.360	PASS
N41	30	90	M	2592.99	CP-256QAM	Outer_Full	87.238	90.720	PASS
N41	30	90	M	2592.99	DFT-PI/2BPSK	Outer_Full	85.846	88.740	PASS
N41	30	90	M	2592.99	DFT-QPSK	Outer_Full	85.938	88.560	PASS
N41	30	90	M	2592.99	DFT-16QAM	Outer_Full	85.602	88.920	PASS
N41	30	90	M	2592.99	DFT-64QAM	Outer_Full	85.672	89.100	PASS
N41	30	90	M	2592.99	DFT-256QAM	Outer_Full	85.859	88.920	PASS
N41	30	90	H	2644.98	CP-QPSK	Outer_Full	86.398	90.000	PASS
N41	30	90	H	2644.98	CP-16QAM	Outer_Full	87.637	90.000	PASS

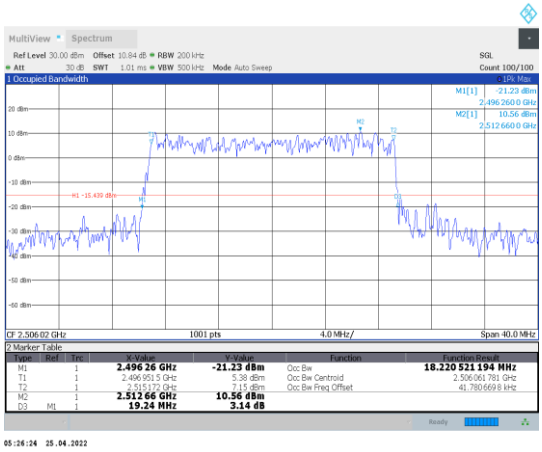
NR Band	SCS [kHz]	BW [MHz]	Channel	Freq [MHz]	Modulation	RB config	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
N41	30	90	H	2644.98	CP-64QAM	Outer_Full	87.14	90.540	PASS
N41	30	90	H	2644.98	CP-256QAM	Outer_Full	87.238	90.180	PASS
N41	30	90	H	2644.98	DFT-PI/2BPSK	Outer_Full	85.731	88.740	PASS
N41	30	90	H	2644.98	DFT-QPSK	Outer_Full	85.925	88.920	PASS
N41	30	90	H	2644.98	DFT-16QAM	Outer_Full	85.567	88.560	PASS
N41	30	90	H	2644.98	DFT-64QAM	Outer_Full	85.101	88.920	PASS
N41	30	90	H	2644.98	DFT-256QAM	Outer_Full	85.336	88.740	PASS
N41	30	100	L	2546.01	CP-QPSK	Outer_Full	95.518	99.400	PASS
N41	30	100	L	2546.01	CP-16QAM	Outer_Full	97.222	100.600	PASS
N41	30	100	L	2546.01	CP-64QAM	Outer_Full	96.616	100.400	PASS
N41	30	100	L	2546.01	CP-256QAM	Outer_Full	96.864	100.600	PASS
N41	30	100	L	2546.01	DFT-PI/2BPSK	Outer_Full	95.667	99.600	PASS
N41	30	100	L	2546.01	DFT-QPSK	Outer_Full	96.177	99.400	PASS
N41	30	100	L	2546.01	DFT-16QAM	Outer_Full	96.127	99.600	PASS
N41	30	100	L	2546.01	DFT-64QAM	Outer_Full	95.613	99.000	PASS
N41	30	100	L	2546.01	DFT-256QAM	Outer_Full	96.197	99.400	PASS
N41	30	100	M	2592.99	CP-QPSK	Outer_Full	96.614	99.400	PASS
N41	30	100	M	2592.99	CP-16QAM	Outer_Full	97.419	100.600	PASS
N41	30	100	M	2592.99	CP-64QAM	Outer_Full	97.205	100.800	PASS
N41	30	100	M	2592.99	CP-256QAM	Outer_Full	97.432	101.000	PASS
N41	30	100	M	2592.99	DFT-PI/2BPSK	Outer_Full	96.38	100.000	PASS
N41	30	100	M	2592.99	DFT-QPSK	Outer_Full	96.629	99.600	PASS
N41	30	100	M	2592.99	DFT-16QAM	Outer_Full	96.434	99.800	PASS
N41	30	100	M	2592.99	DFT-64QAM	Outer_Full	96.56	99.400	PASS
N41	30	100	M	2592.99	DFT-256QAM	Outer_Full	96.518	99.600	PASS
N41	30	100	H	2640	CP-QPSK	Outer_Full	96.093	99.600	PASS
N41	30	100	H	2640	CP-16QAM	Outer_Full	97.257	101.000	PASS
N41	30	100	H	2640	CP-64QAM	Outer_Full	97.576	100.800	PASS
N41	30	100	H	2640	CP-256QAM	Outer_Full	97.359	100.600	PASS
N41	30	100	H	2640	DFT-PI/2BPSK	Outer_Full	96.352	99.800	PASS
N41	30	100	H	2640	DFT-QPSK	Outer_Full	96.638	99.800	PASS
N41	30	100	H	2640	DFT-16QAM	Outer_Full	96.626	99.600	PASS
N41	30	100	H	2640	DFT-64QAM	Outer_Full	96.273	99.800	PASS
N41	30	100	H	2640	DFT-256QAM	Outer_Full	96.418	99.400	PASS

4.2 Test Plots for SA

Channel bandwidth=20MHz



1-N41-PC2-30-20-L-1-CP-QPSK-Outer_Full-51@0-Ant1-17.843-18.920-≤20-PASS



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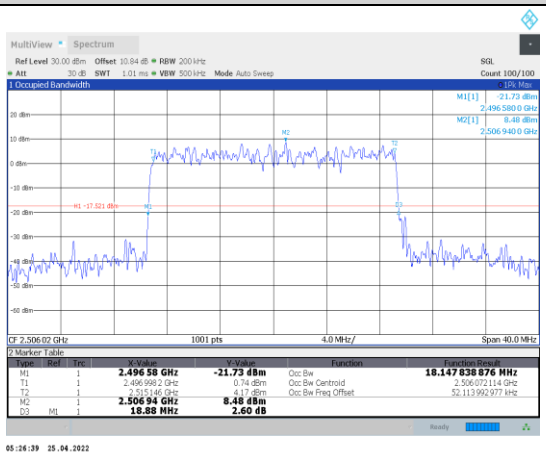
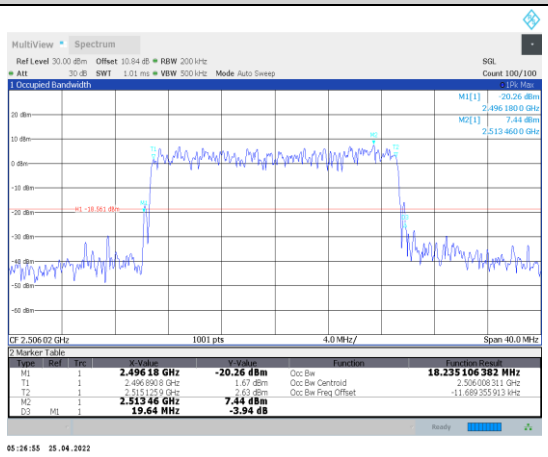


1-N41-PC2-30-20-L-3-CP-64QAM-Outer_Full-51@0-Ant1-18.148-18.880-≤20-PASS



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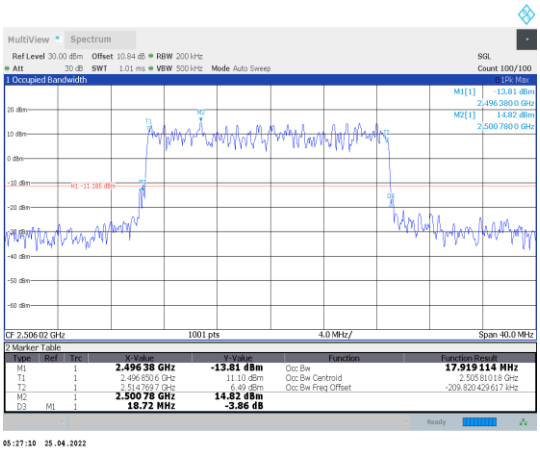
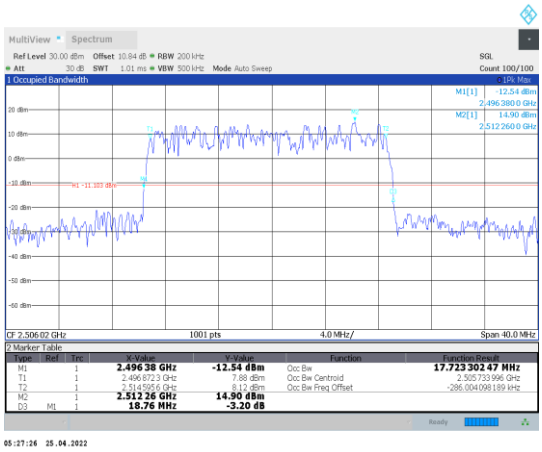
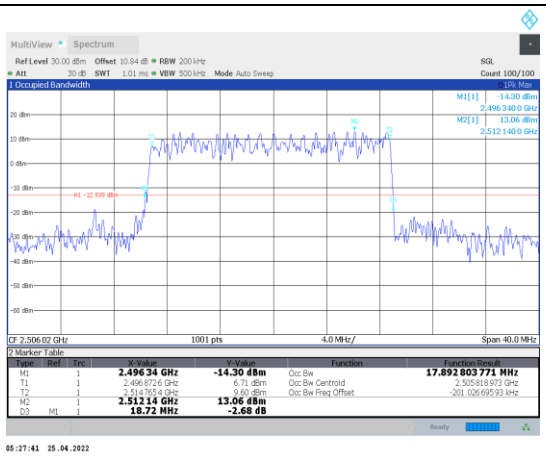


1-N41-PC2-30-20-L-5-DFT-PI/2BPSK-Outer_Full-50@0-Ant1-17.919-18.720-≤20-PASS



1-N41-PC2-30-20-L-6-DFT-QPSK-Outer_Full-50@0-Ant1-17.723-18.760-≤20-PASS



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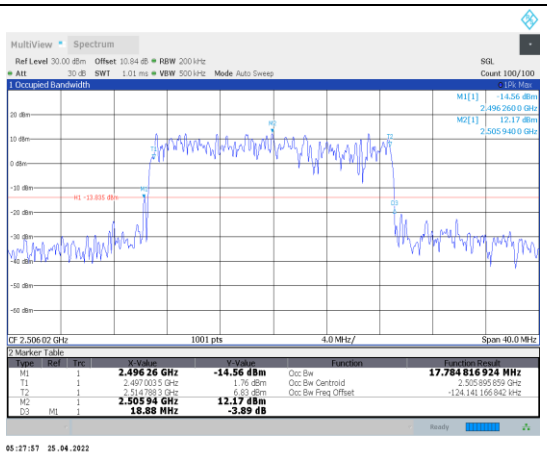
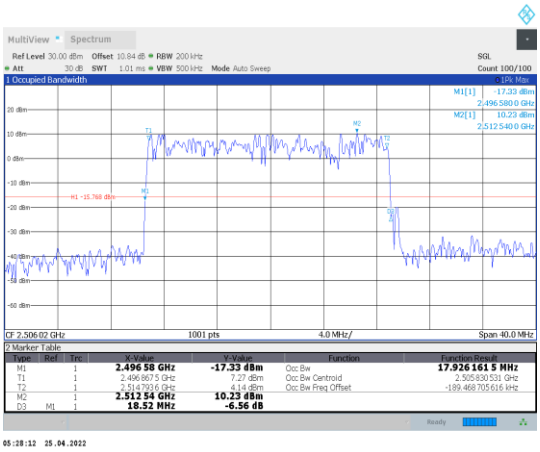
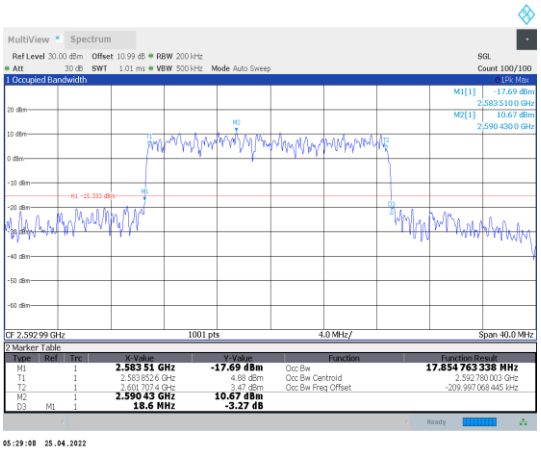


1-N41-PC2-30-20-L-8-DFT-64QAM-Outer_Full-50@0-Ant1-17.785-18.880-≤20-PASS



1-N41-PC2-30-20-L-9-DFT-256QAM-Outer_Full-50@0-Ant1-17.926-18.520-≤20-PASS



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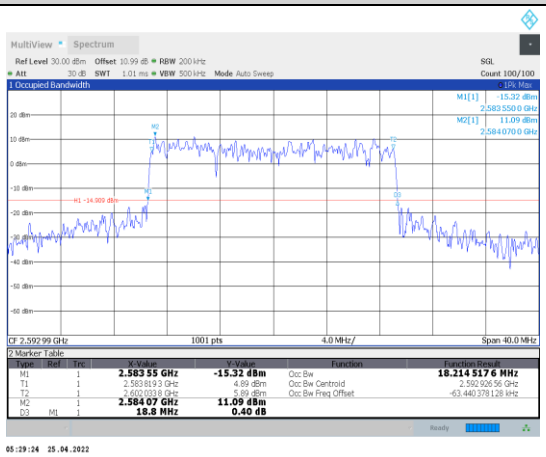

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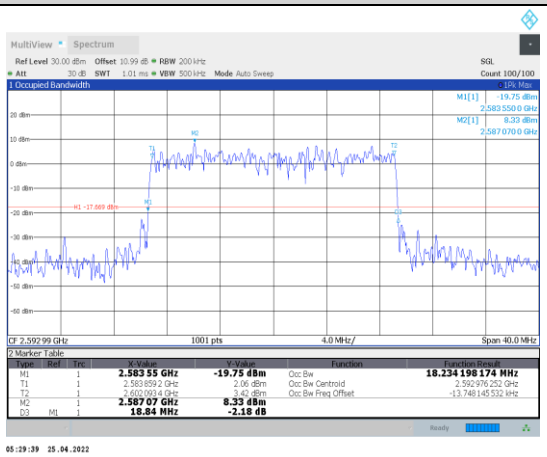
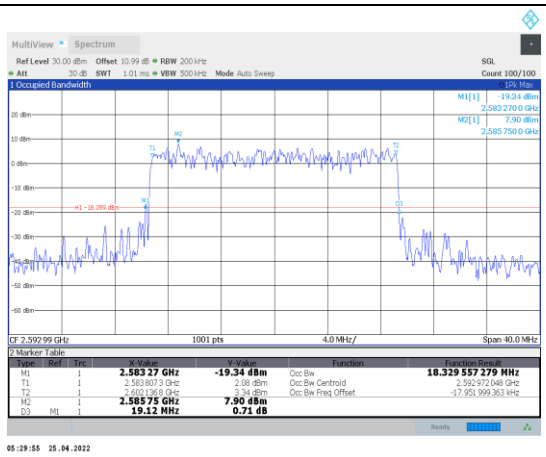
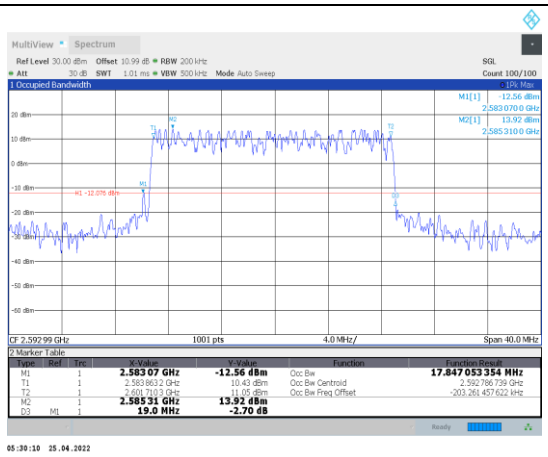


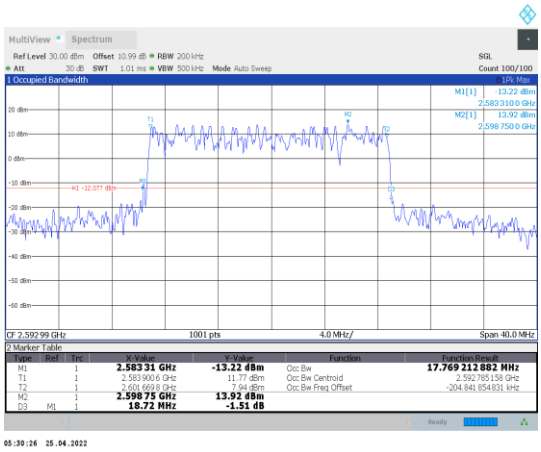
1-N41-PC2-30-20-M-3-CP-64QAM-Outer_Full-51@0-Ant1-18.234-18.840-≤20-PASS



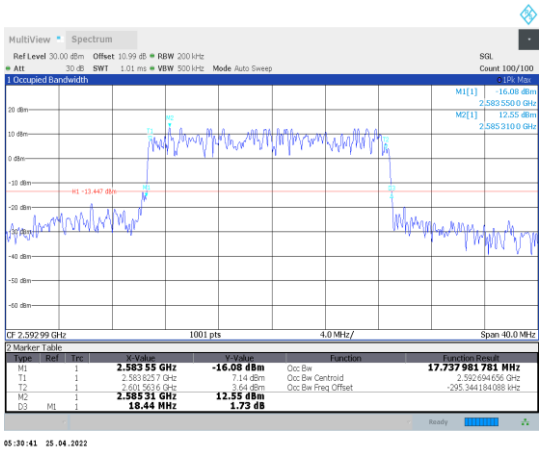
1-N41-PC2-30-20-M-4-CP-256QAM-Outer_Full-51@0-Ant1-18.33-19.120-≤20-PASS



1-N41-PC2-30-20-M-5-DFT-PI/2BPSK-Outer_Full-50@0-Ant1-17.847-19.000-≤20-PASS

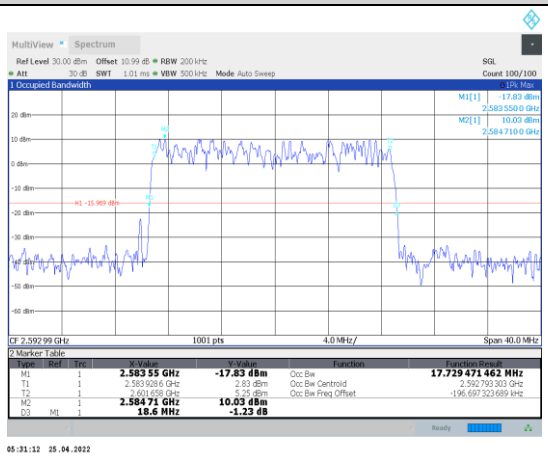


1-N41-PC2-30-20-M-6-DFT-QPSK-Outer_Full-50@0-Ant1-17.769-18.720-≤20-PASS



1-N41-PC2-30-20-M-7-DFT-16QAM-Outer_Full-50@0-Ant1-17.738-18.440-≤20-PASS

1-N41-PC2-30-20-M-8-DFT-64QAM-Outer_Full-50@0-Ant1-17.775-18.680-≤20-PASS



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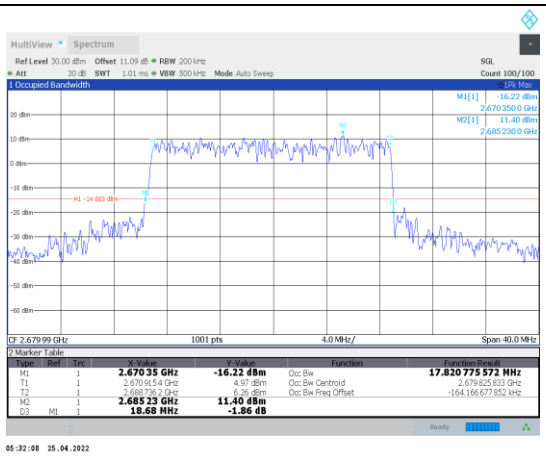
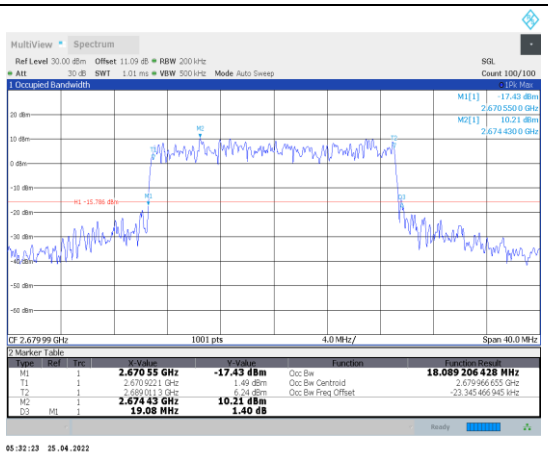


1-N41-PC2-30-20-H-1-CP-QPSK-Outer_Full-51@0-Ant1-17.821-18.680-≤20-PASS



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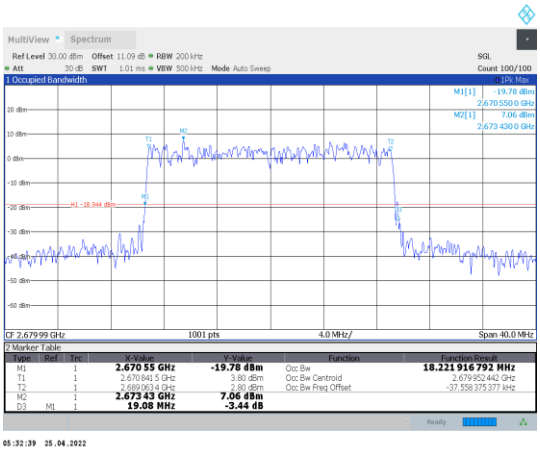

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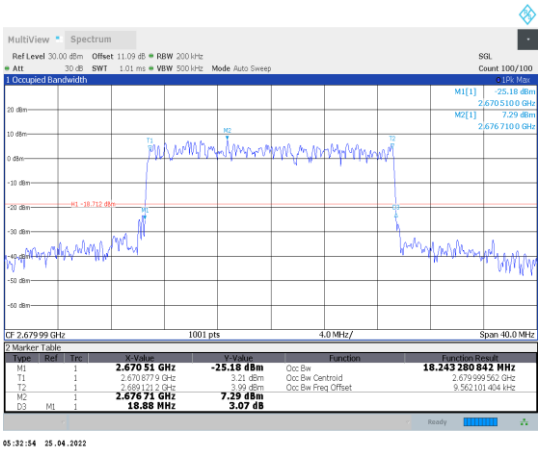
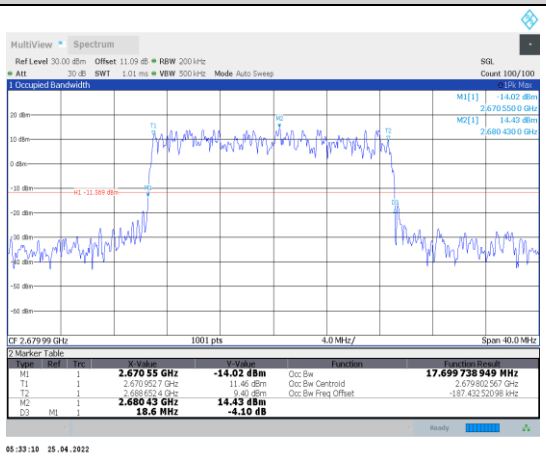
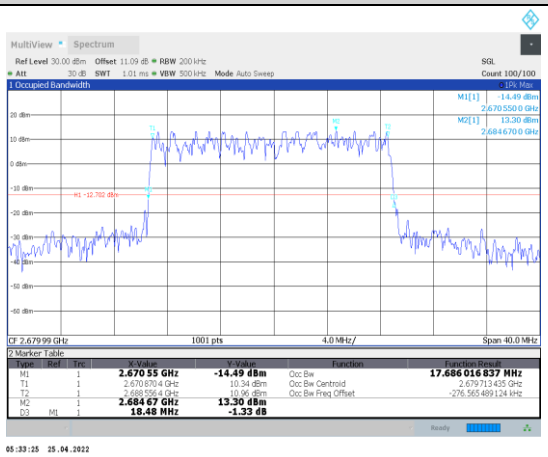


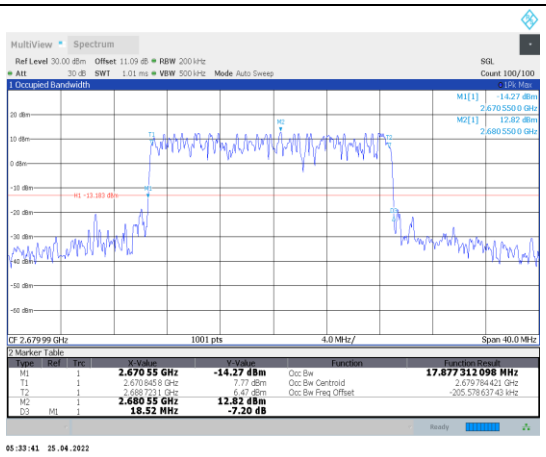
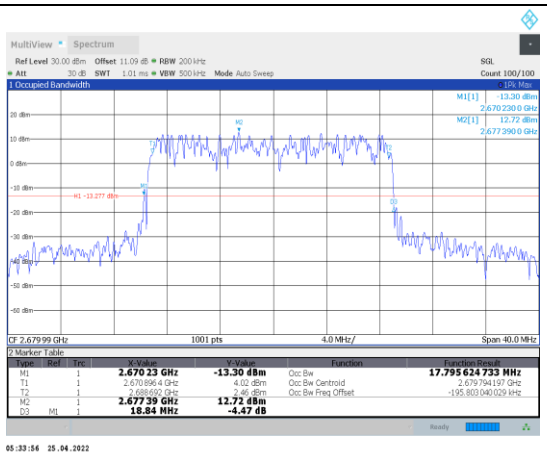
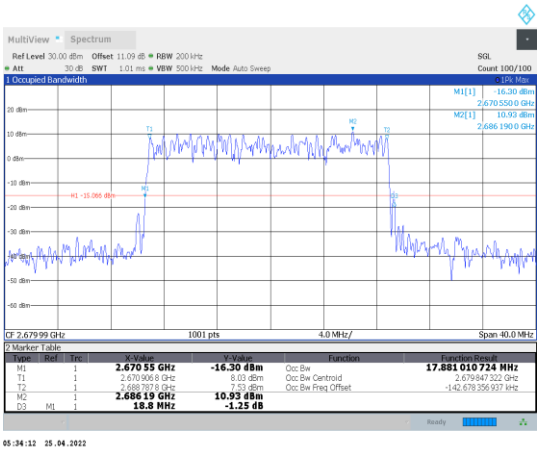
1-N41-PC2-30-20-H-4-CP-256QAM-Outer_Full-51@0-Ant1-18.243-18.880-≤20-PASS



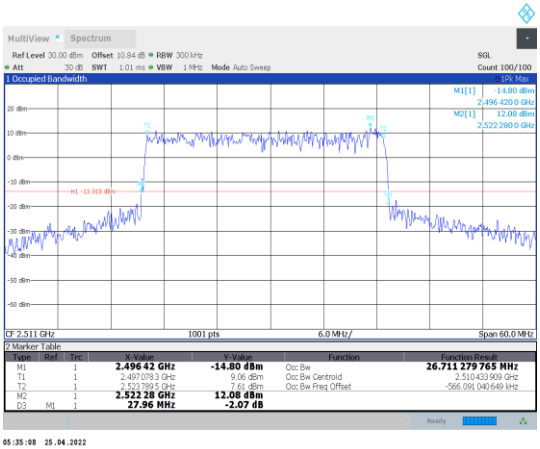
1-N41-PC2-30-20-H-5-DFT-PI/2BPSK-Outer_Full-50@0-Ant1-17.7-18.600-≤20-PASS



1-N41-PC2-30-20-H-6-DFT-QPSK-Outer_Full-50@0-Ant1-17.686-18.480-≤20-PASS

	
1-N41-PC2-30-20-H-7-DFT-16QAM-Outer_Full-50@0-Ant1-17.877-18.520-≤20-PASS	1-N41-PC2-30-20-H-8-DFT-64QAM-Outer_Full-50@0-Ant1-17.796-18.840-≤20-PASS
	-
1-N41-PC2-30-20-H-9-DFT-256QAM-Outer_Full-50@0-Ant1-17.881-18.800-≤20-PASS	-

Channel bandwidth=30MHz



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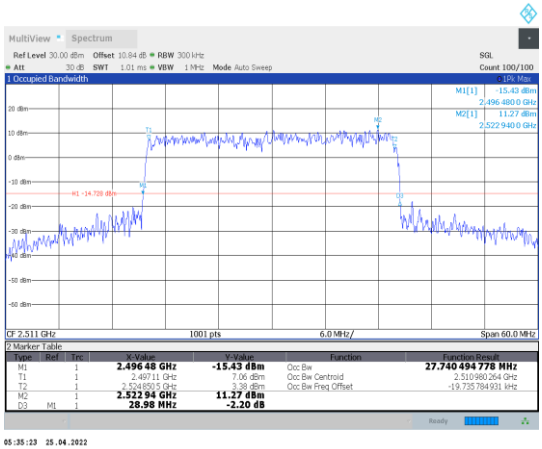

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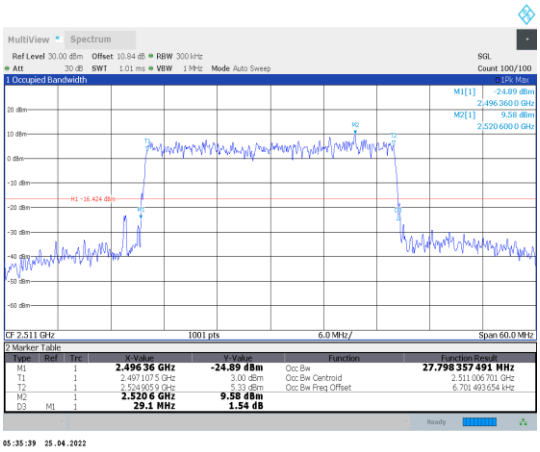

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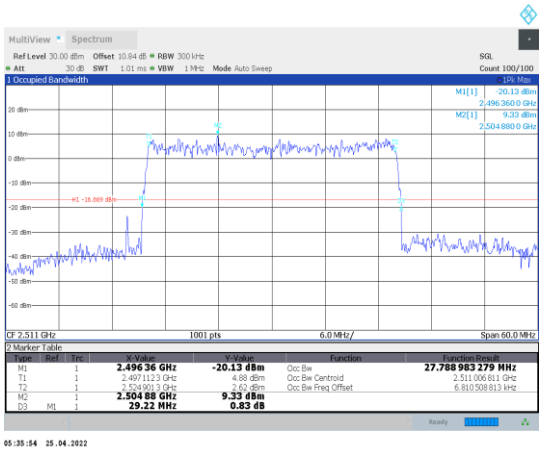

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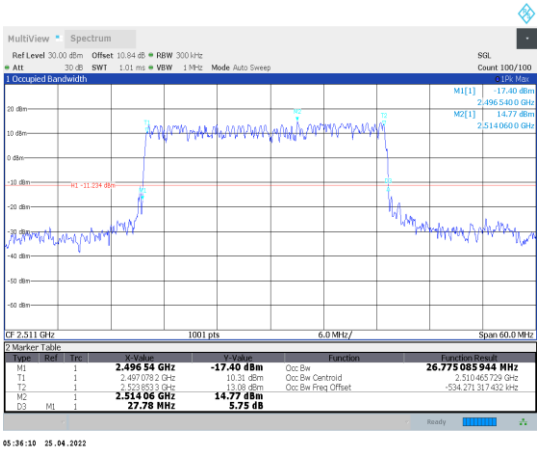
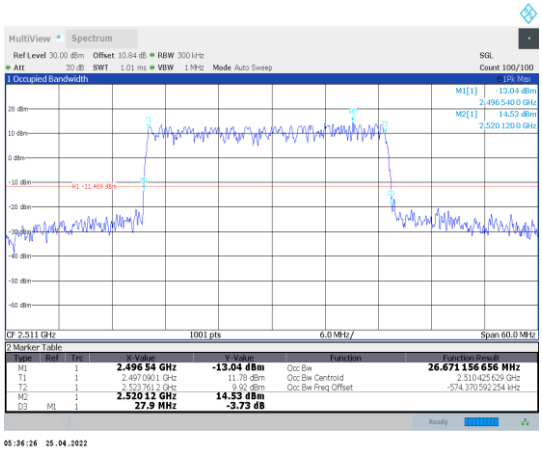


1-N41-PC2-30-30-L-5-DFT-PI/2BPSK-Outer_Full-75@0-Ant1-26.775-27.780-≤30-PASS



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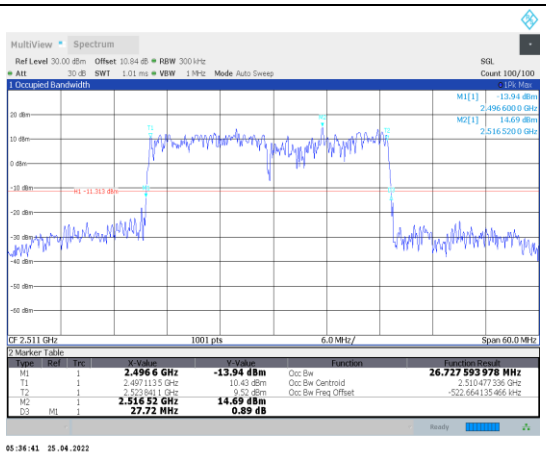
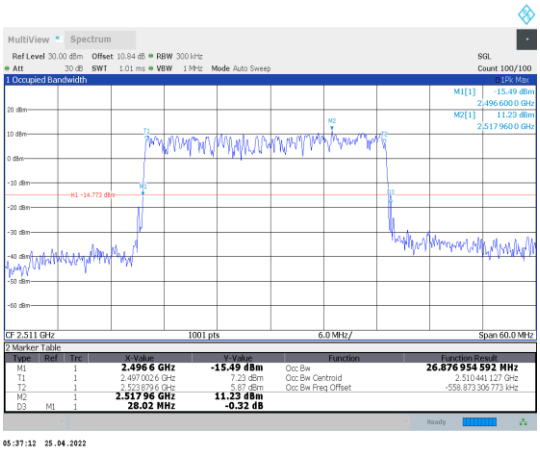


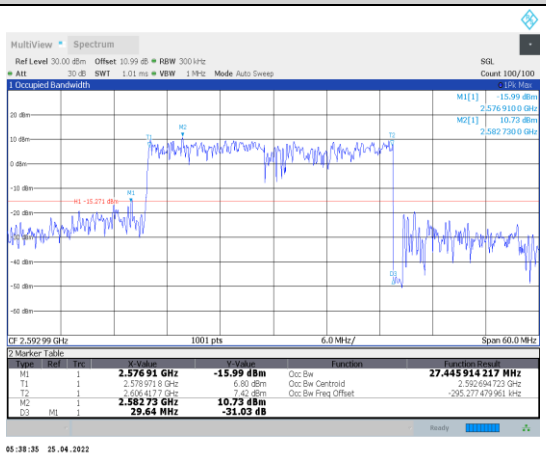
1-N41-PC2-30-30-L-7-DFT-16QAM-Outer_Full-75@0-Ant1-26.728-27.720-≤30-PASS

1-N41-PC2-30-30-L-8-DFT-64QAM-Outer_Full-75@0-Ant1-26.827-28.140-≤30-PASS



1-N41-PC2-30-30-L-9-DFT-256QAM-Outer_Full-75@0-Ant1-26.877-28.020-≤30-PASS

1-N41-PC2-30-30-M-1-CP-QPSK-Outer_Full-78@0-Ant1-26.645-27.780-≤30-PASS



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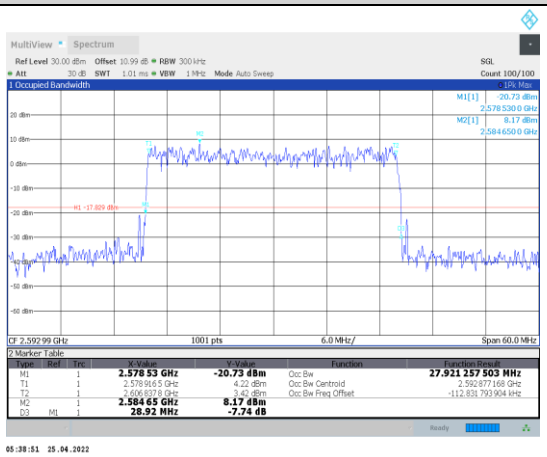
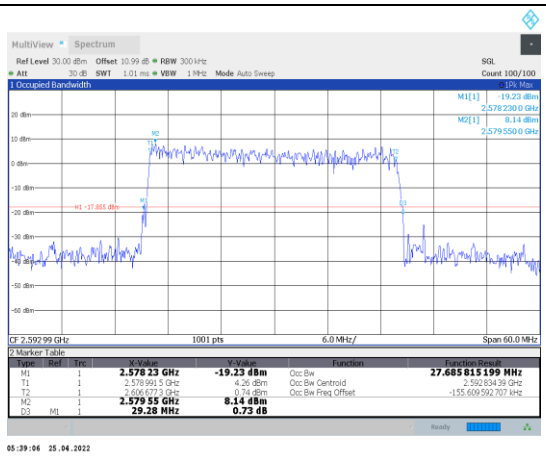
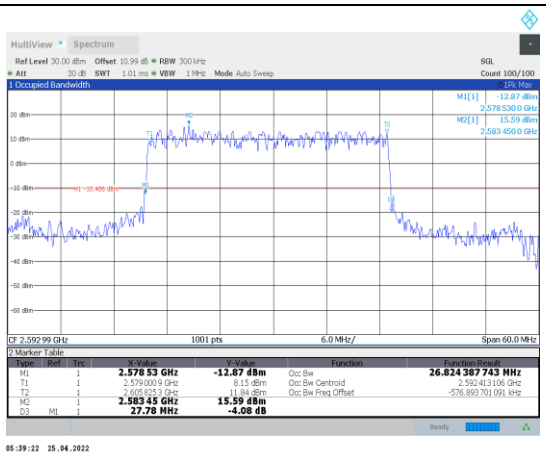


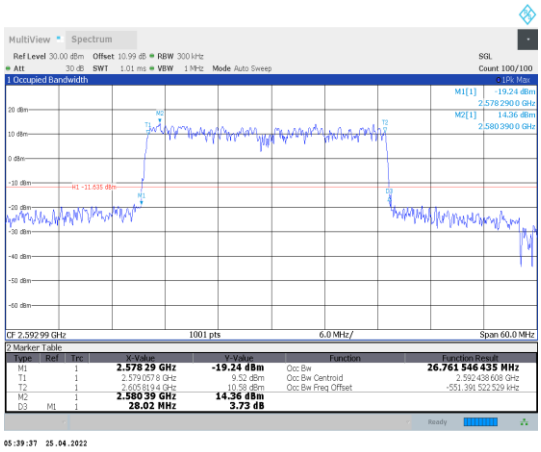
1-N41-PC2-30-30-M-3-CP-64QAM-Outer_Full-78@0-Ant1-27.921-28.920-≤30-PASS



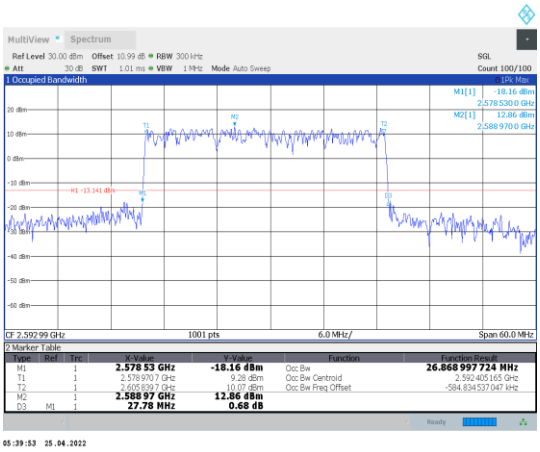
1-N41-PC2-30-30-M-4-CP-256QAM-Outer_Full-78@0-Ant1-27.686-29.280-≤30-PASS



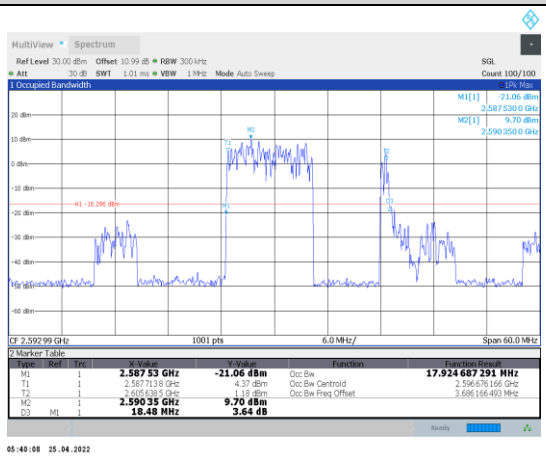
1-N41-PC2-30-30-M-5-DFT-PI/2BPSK-Outer_Full-75@0-Ant1-26.824-27.780-≤30-PASS



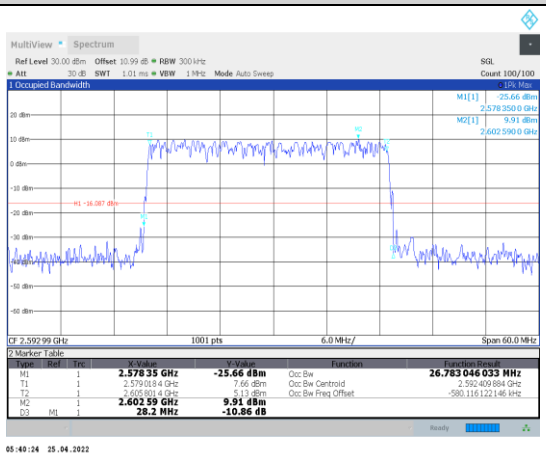
1-N41-PC2-30-30-M-6-DFT-QPSK-Outer_Full-75@0-Ant1-26.762-28.020-≤30-PASS



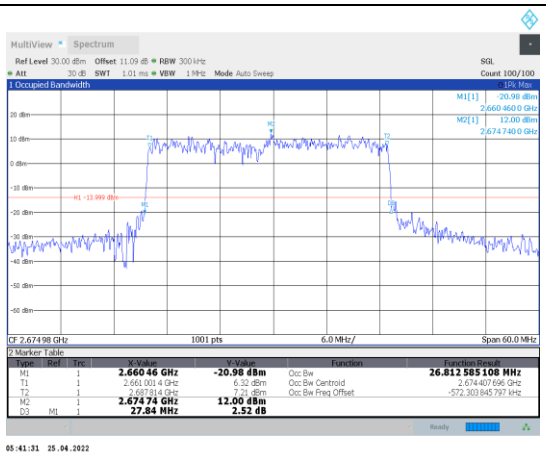
1-N41-PC2-30-30-M-7-DFT-16QAM-Outer_Full-75@0-Ant1-26.869-27.780-≤30-PASS



1-N41-PC2-30-30-M-8-DFT-64QAM-Outer_Full-75@0-Ant1-17.925-18.480-≤30-PASS



1-N41-PC2-30-30-M-9-DFT-256QAM-Outer_Full-75@0-Ant1-26.783-28.200-≤30-PASS



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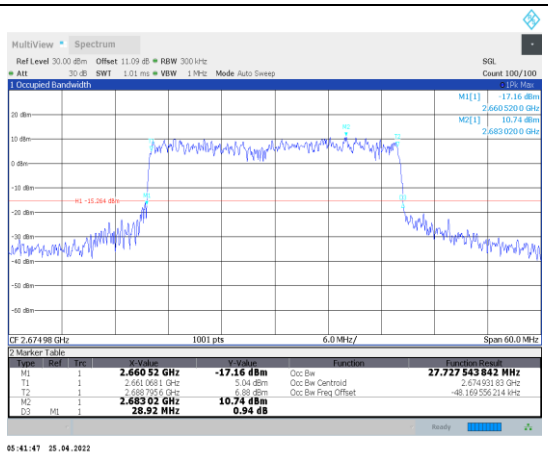

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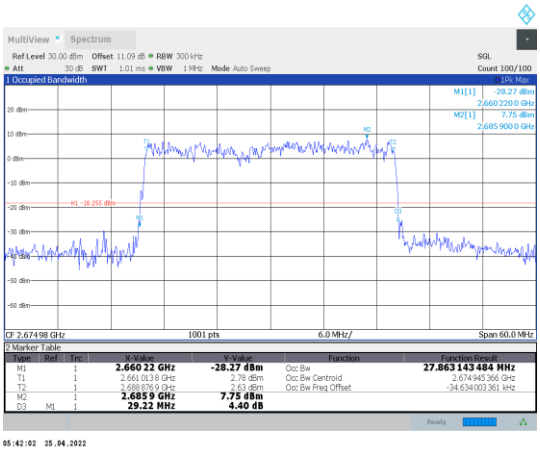

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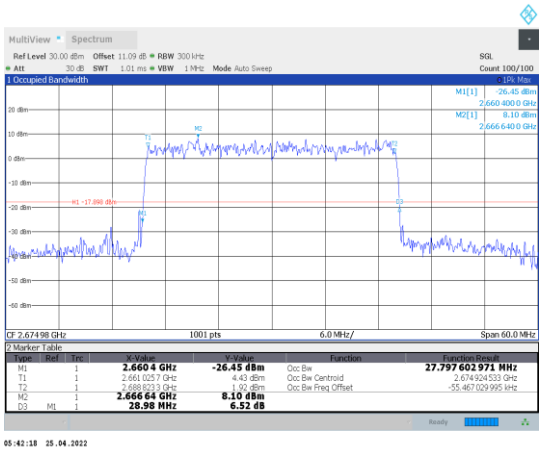

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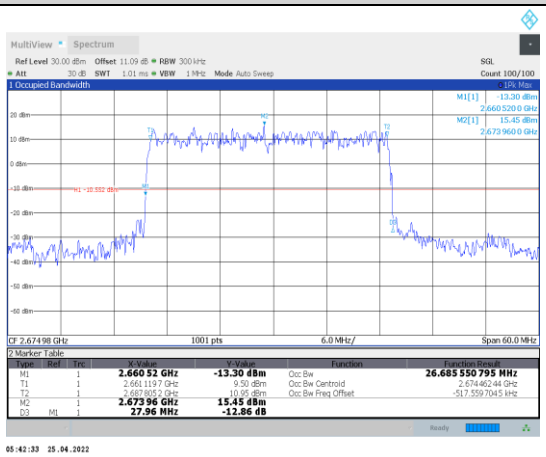

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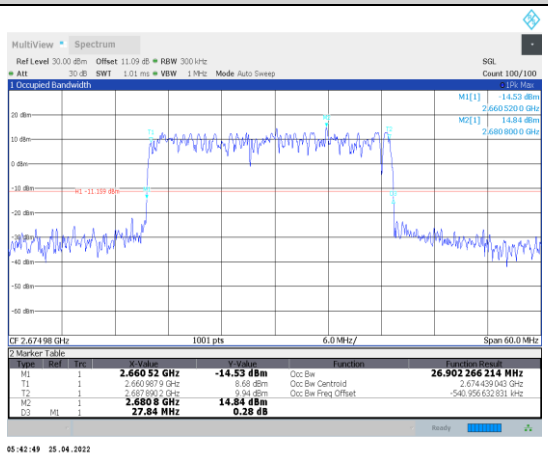

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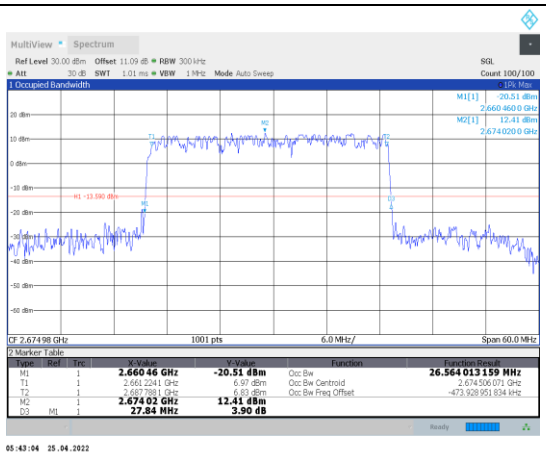	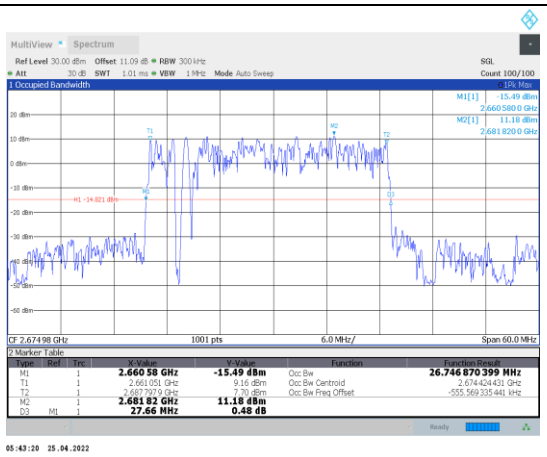
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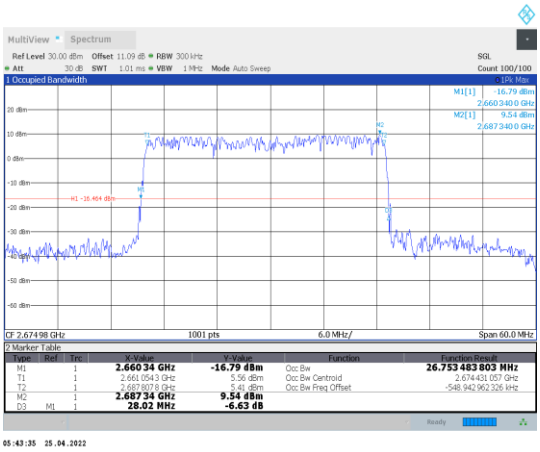	-
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