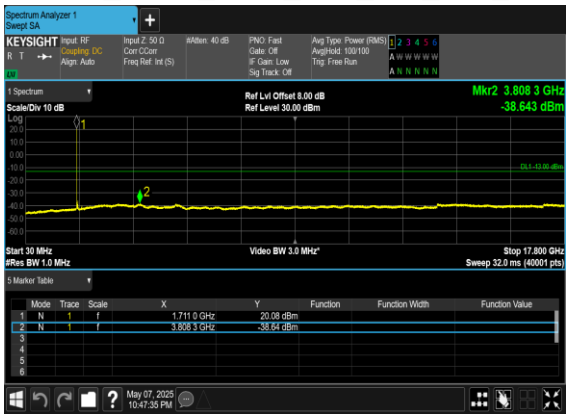
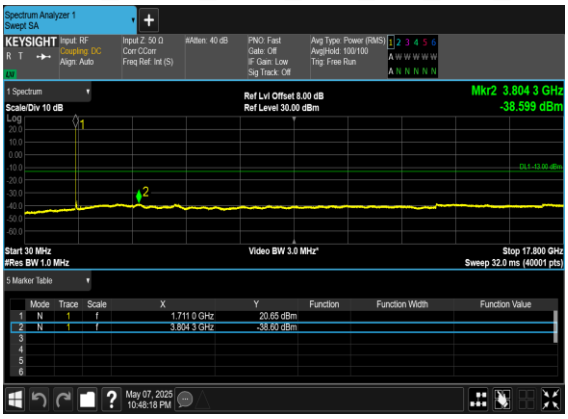
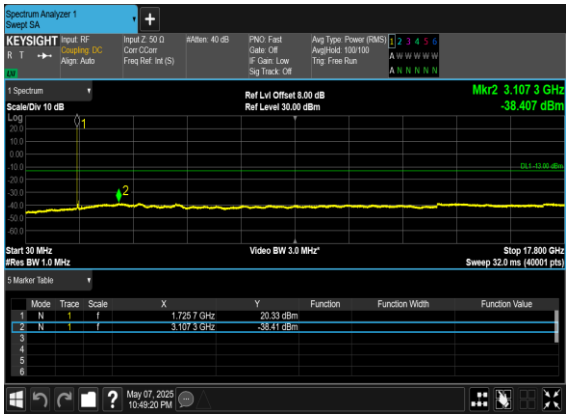
B2_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



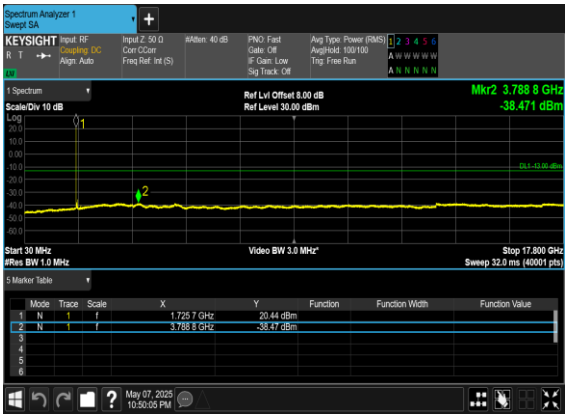
B2_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



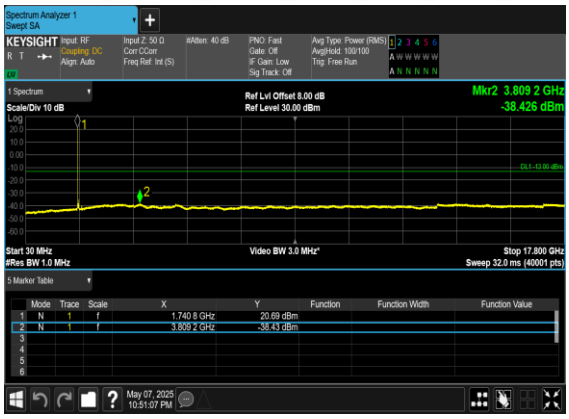
B2_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



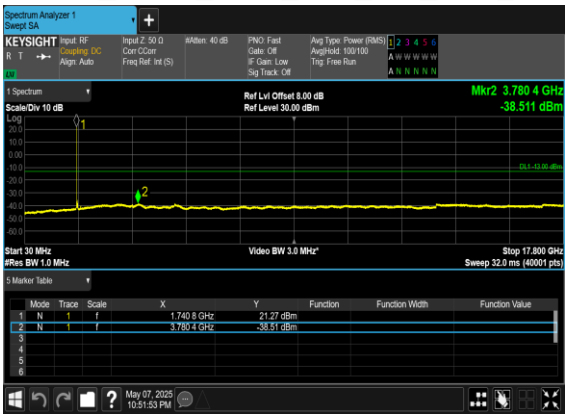
B2_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



B2_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B2_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

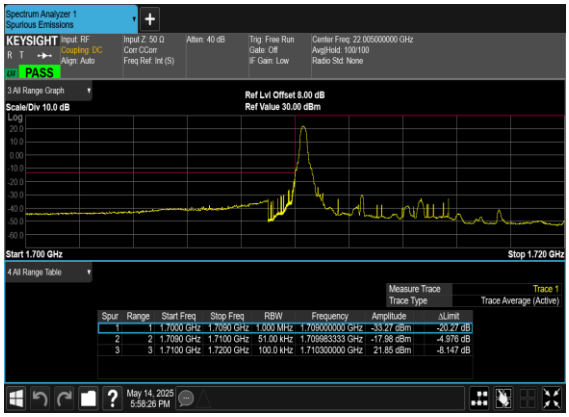


Conducted Band Edge

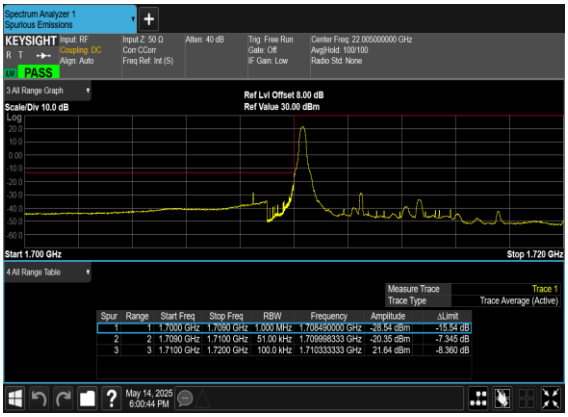
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	1@105	see graph	**PASS**
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
66	15	40	346000	1730.0	DFT-s-OFDM BPSK	216@0	see graph	**PASS**
66	15	40	346000	1730.0	DFT-s-OFDM QPSK	216@0	see graph	**PASS**

66	15	40	352000	1760.0	DFT-s-OFDM BPSK	1@215	see graph	**PASS**
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	1@215	see graph	**PASS**
66	15	40	352000	1760.0	DFT-s-OFDM BPSK	216@0	see graph	**PASS**
66	15	40	352000	1760.0	DFT-s-OFDM QPSK	216@0	see graph	**PASS**

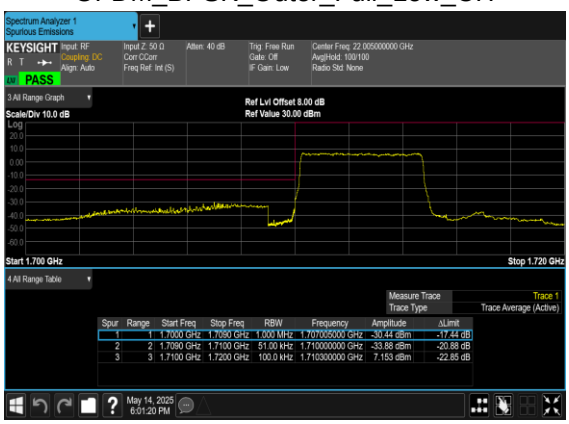
B2_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



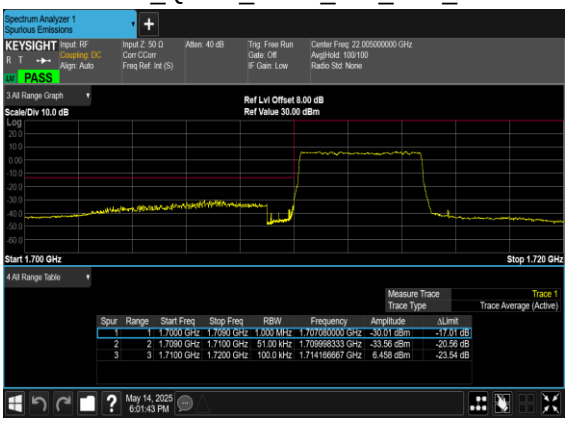
B2_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



B2_N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

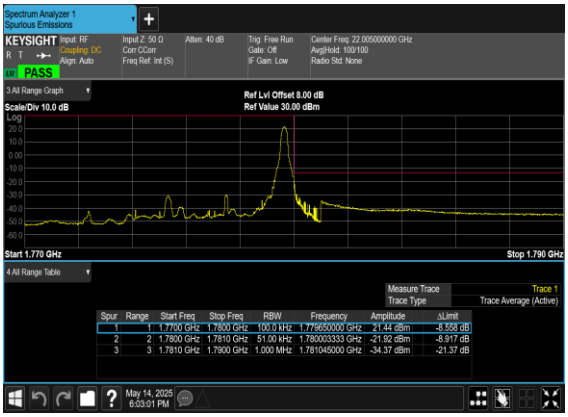


B2_N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

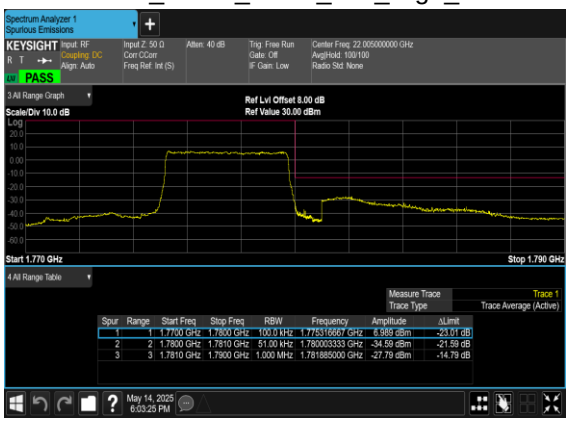


B2_N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

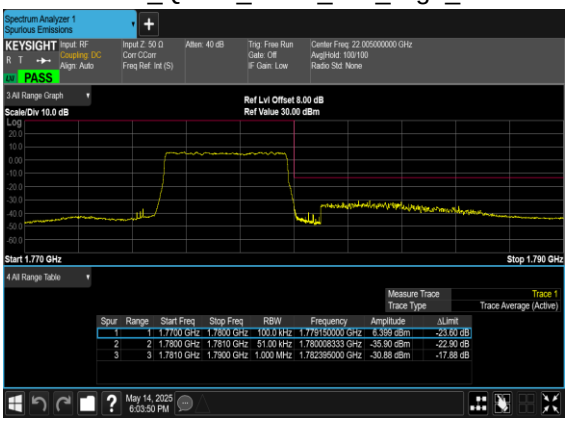
B2_N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



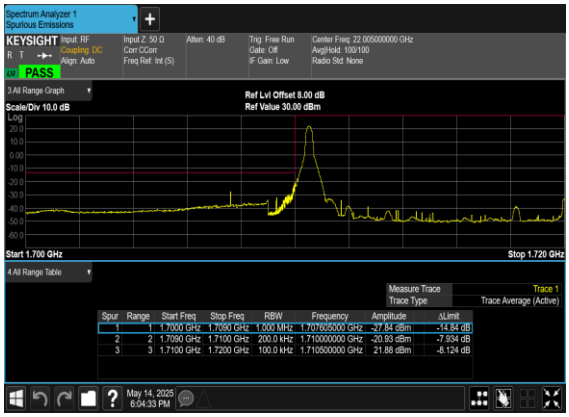
B2_N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



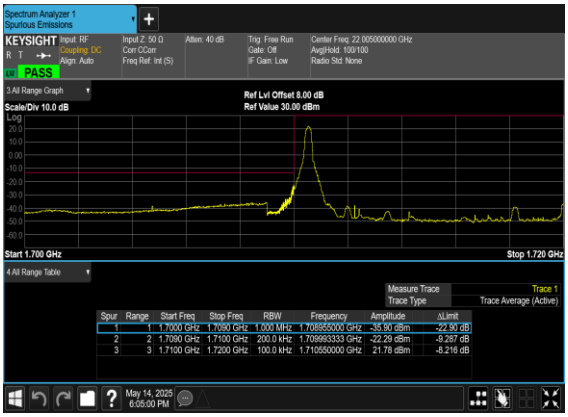
B2_N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



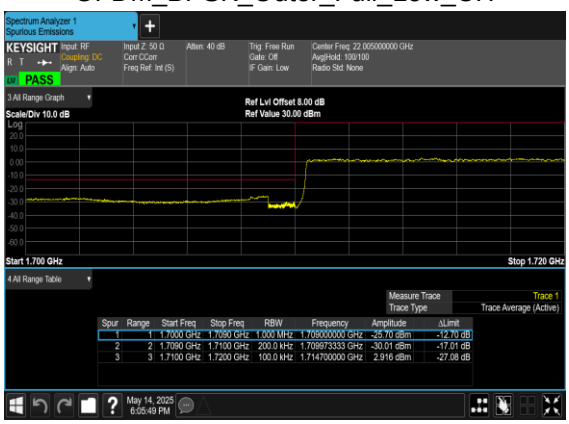
B2_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



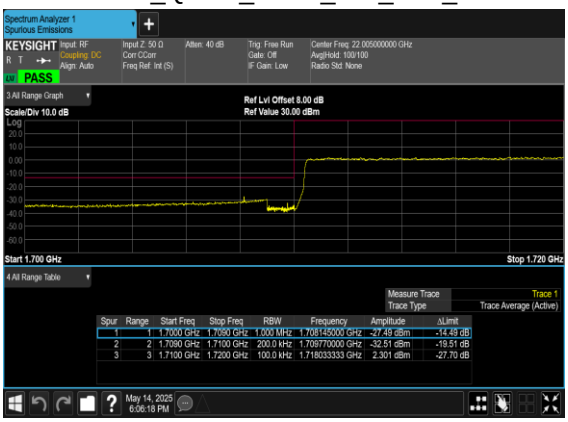
B2_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



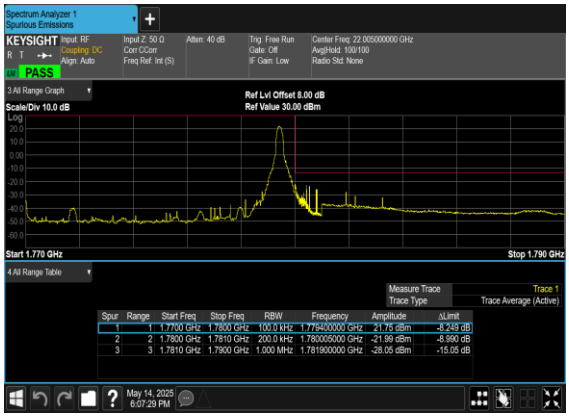
B2_N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



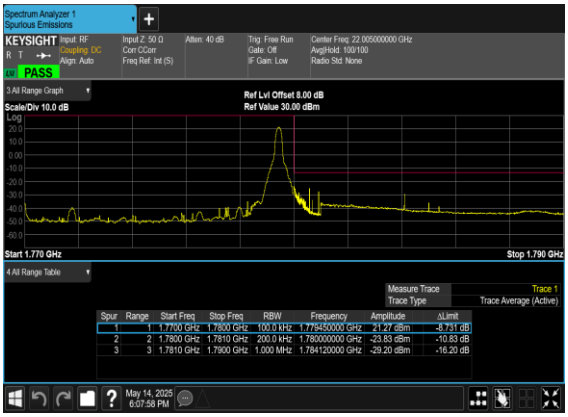
B2_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



B2_N66(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

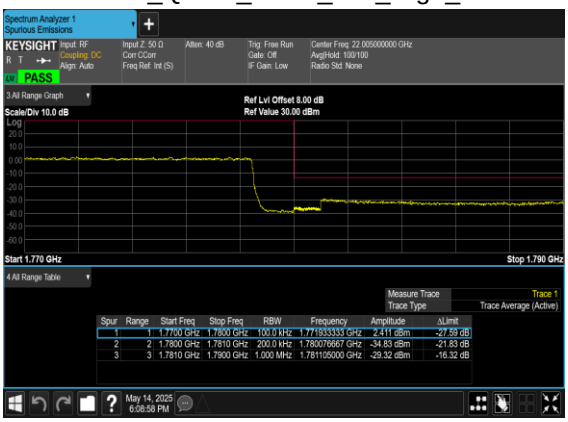


B2_N66(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

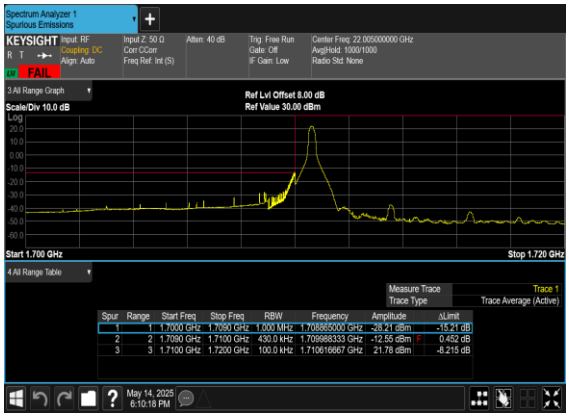


B2_N66(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

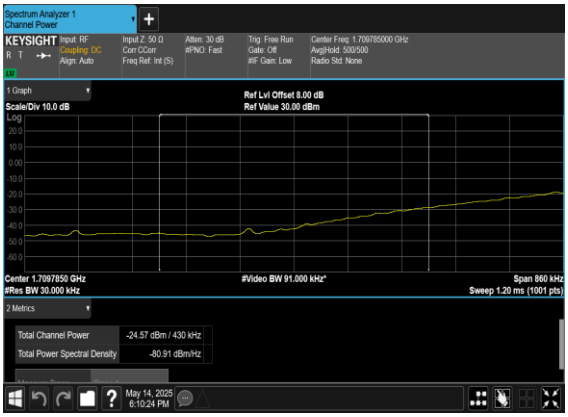
B2_N66(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



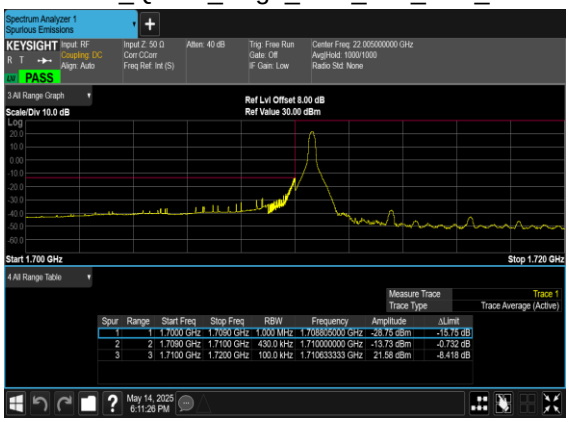
B2_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



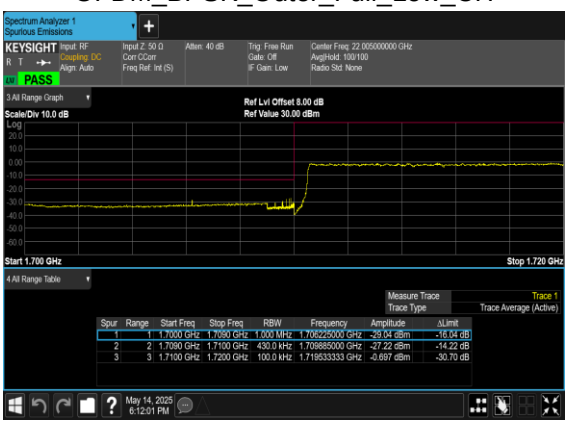
B2_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH_**CHP_PASS**



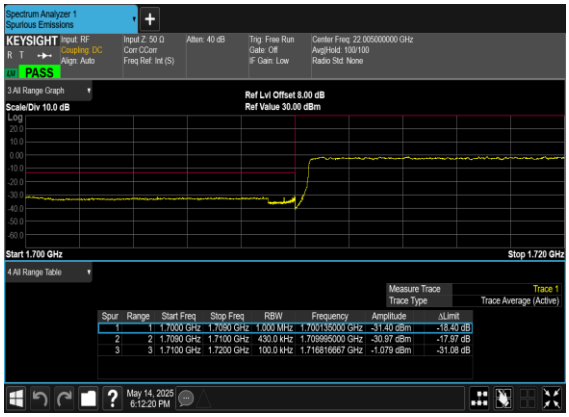
B2_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



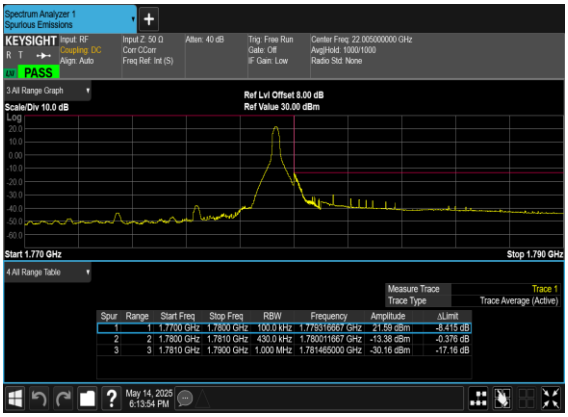
B2_N66(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



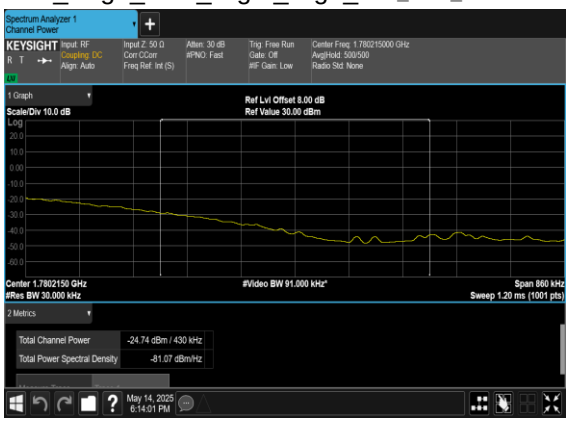
B2_N66(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



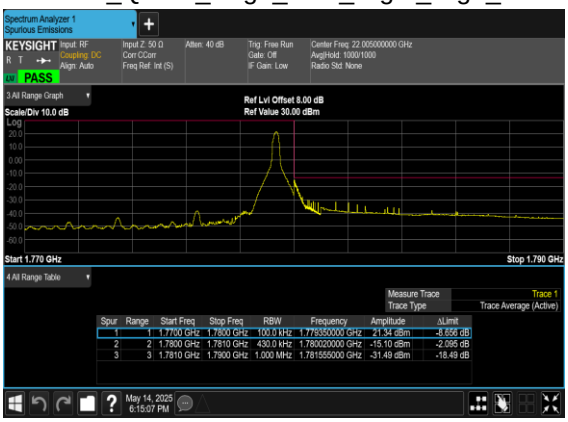
B2_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



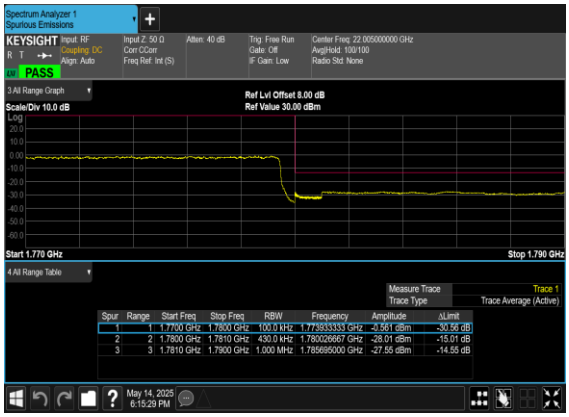
B2_N66(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_**CHP_PASS**



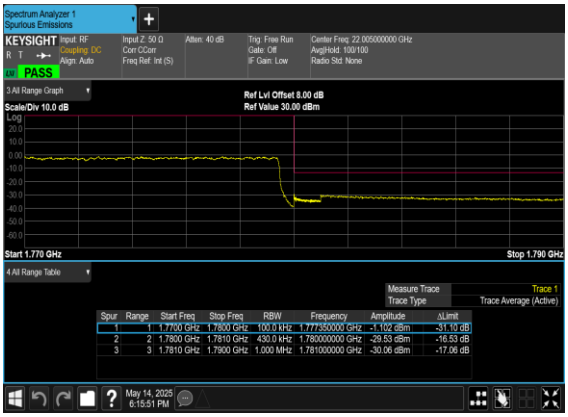
B2_N66(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N66(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



B2_N66(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Software Version: 23.06.1602

FR1 N71 (ANT1)

Transmitter Conducted Output Power And ERP, (G_T - L_C)=-4.3dBi

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
71	15	5	133100	665.5	DFT-s-OFDM QPSK	12@6	24.26	17.81	0.0604
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@1	24.61	18.16	0.0655
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@23	24.49	18.04	0.0637
71	15	5	133100	665.5	DFT-s-OFDM 16 QAM	12@6	23.36	16.91	0.0491
71	15	5	133100	665.5	DFT-s-OFDM 16 QAM	1@1	23.5	17.05	0.0507
71	15	5	133100	665.5	DFT-s-OFDM 16 QAM	1@23	23.51	17.06	0.0508
71	15	5	136100	680.5	DFT-s-OFDM QPSK	12@6	24.36	17.91	0.0618
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@1	24.39	17.94	0.0622
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@23	24.5	18.05	0.0638
71	15	5	136100	680.5	DFT-s-OFDM 16 QAM	12@6	23.35	16.9	0.0490
71	15	5	136100	680.5	DFT-s-OFDM 16 QAM	1@1	23.46	17.01	0.0502
71	15	5	136100	680.5	DFT-s-OFDM 16 QAM	1@23	23.6	17.15	0.0519
71	15	5	139100	695.5	DFT-s-OFDM QPSK	12@6	24.44	17.99	0.0630
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@1	24.59	18.14	0.0652
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@23	24.55	18.1	0.0646
71	15	5	139100	695.5	DFT-s-OFDM 16 QAM	12@6	23.46	17.01	0.0502
71	15	5	139100	695.5	DFT-s-OFDM 16 QAM	1@1	23.58	17.13	0.0516
71	15	5	139100	695.5	DFT-s-OFDM 16 QAM	1@23	23.57	17.12	0.0515
71	15	10	133600	668	DFT-s-OFDM QPSK	25@12	24.31	17.86	0.0611
71	15	10	133600	668	DFT-s-OFDM QPSK	1@1	24.61	18.16	0.0655
71	15	10	133600	668	DFT-s-OFDM QPSK	1@50	24.52	18.07	0.0641
71	15	10	133600	668	DFT-s-OFDM 16 QAM	25@12	23.35	16.9	0.0490
71	15	10	133600	668	DFT-s-OFDM 16 QAM	1@1	23.5	17.05	0.0507
71	15	10	133600	668	DFT-s-OFDM 16 QAM	1@50	23.49	17.04	0.0506
71	15	10	136100	680.5	DFT-s-OFDM QPSK	25@12	24.39	17.94	0.0622
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@1	24.49	18.04	0.0637
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@50	24.6	18.15	0.0653
71	15	10	136100	680.5	DFT-s-OFDM 16 QAM	25@12	23.39	16.94	0.0494
71	15	10	136100	680.5	DFT-s-OFDM 16 QAM	1@1	23.44	16.99	0.0500
71	15	10	136100	680.5	DFT-s-OFDM 16 QAM	1@50	23.56	17.11	0.0514
71	15	10	138600	693	DFT-s-OFDM QPSK	25@12	24.37	17.92	0.0619
71	15	10	138600	693	DFT-s-OFDM QPSK	1@1	24.5	18.05	0.0638
71	15	10	138600	693	DFT-s-OFDM QPSK	1@50	24.5	18.05	0.0638

71	15	10	138600	693	DFT-s-OFDM 16 QAM	25@12	23.42	16.97	0.0498
71	15	10	138600	693	DFT-s-OFDM 16 QAM	1@1	23.5	17.05	0.0507
71	15	10	138600	693	DFT-s-OFDM 16 QAM	1@50	23.54	17.09	0.0512
71	15	15	134100	670.5	DFT-s-OFDM QPSK	36@18	24.36	17.91	0.0618
71	15	15	134100	670.5	DFT-s-OFDM QPSK	1@1	24.67	18.22	0.0664
71	15	15	134100	670.5	DFT-s-OFDM QPSK	1@77	24.58	18.13	0.0650
71	15	15	134100	670.5	DFT-s-OFDM 16 QAM	36@18	23.36	16.91	0.0491
71	15	15	134100	670.5	DFT-s-OFDM 16 QAM	1@1	23.56	17.11	0.0514
71	15	15	134100	670.5	DFT-s-OFDM 16 QAM	1@77	23.44	16.99	0.0500
71	15	15	136100	680.5	DFT-s-OFDM QPSK	36@18	24.33	17.88	0.0614
71	15	15	136100	680.5	DFT-s-OFDM QPSK	1@1	24.56	18.11	0.0647
71	15	15	136100	680.5	DFT-s-OFDM QPSK	1@77	24.61	18.16	0.0655
71	15	15	136100	680.5	DFT-s-OFDM 16 QAM	36@18	23.35	16.9	0.0490
71	15	15	136100	680.5	DFT-s-OFDM 16 QAM	1@1	23.46	17.01	0.0502
71	15	15	136100	680.5	DFT-s-OFDM 16 QAM	1@77	23.53	17.08	0.0511
71	15	15	138100	690.5	DFT-s-OFDM QPSK	36@18	24.4	17.95	0.0624
71	15	15	138100	690.5	DFT-s-OFDM QPSK	1@1	24.59	18.14	0.0652
71	15	15	138100	690.5	DFT-s-OFDM QPSK	1@77	24.67	18.22	0.0664
71	15	15	138100	690.5	DFT-s-OFDM 16 QAM	36@18	23.39	16.94	0.0494
71	15	15	138100	690.5	DFT-s-OFDM 16 QAM	1@1	23.51	17.06	0.0508
71	15	15	138100	690.5	DFT-s-OFDM 16 QAM	1@77	23.58	17.13	0.0516
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	50@25	24.34	17.89	0.0615
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@1	24.25	17.8	0.0603
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@104	24.3	17.85	0.0610
71	15	20	134600	673	DFT-s-OFDM QPSK	50@25	24.35	17.9	0.0617
71	15	20	134600	673	DFT-s-OFDM QPSK	1@1	24.68	18.23	0.0665
71	15	20	134600	673	DFT-s-OFDM QPSK	1@104	24.65	18.2	0.0661
71	15	20	134600	673	DFT-s-OFDM 16 QAM	50@25	23.37	16.92	0.0492
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@1	23.46	17.01	0.0502
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@104	23.54	17.09	0.0512
71	15	20	134600	673	DFT-s-OFDM 64 QAM	50@25	21.83	15.38	0.0345
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@1	21.55	15.1	0.0324
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@104	21.59	15.14	0.0327
71	15	20	134600	673	DFT-s-OFDM 256 QAM	50@25	19.88	13.43	0.0220
71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@1	19.8	13.35	0.0216
71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@104	19.83	13.38	0.0218
71	15	20	134600	673	CP-OFDM QPSK	53@26	22.83	16.38	0.0435
71	15	20	134600	673	CP-OFDM QPSK	1@1	23.05	16.6	0.0457
71	15	20	134600	673	CP-OFDM QPSK	1@104	22.92	16.47	0.0444
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	50@25	24.39	17.94	0.0622

71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	24.29	17.84	0.0608
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@104	24.36	17.91	0.0618
71	15	20	136100	680.5	DFT-s-OFDM QPSK	50@25	24.39	17.94	0.0622
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@1	24.59	18.14	0.0652
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@104	24.68	18.23	0.0665
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	50@25	23.41	16.96	0.0497
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@1	23.48	17.03	0.0505
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@104	23.57	17.12	0.0515
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	50@25	21.91	15.46	0.0352
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@1	21.57	15.12	0.0325
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@104	21.66	15.21	0.0332
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	50@25	19.84	13.39	0.0218
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@1	19.64	13.19	0.0208
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@104	19.87	13.42	0.0220
71	15	20	136100	680.5	CP-OFDM QPSK	53@26	22.85	16.4	0.0437
71	15	20	136100	680.5	CP-OFDM QPSK	1@1	22.77	16.32	0.0429
71	15	20	136100	680.5	CP-OFDM QPSK	1@104	22.94	16.49	0.0446
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	50@25	24.46	18.01	0.0632
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	1@1	24.25	17.8	0.0603
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	1@104	24.36	17.91	0.0618
71	15	20	137600	688	DFT-s-OFDM QPSK	50@25	24.44	17.99	0.0630
71	15	20	137600	688	DFT-s-OFDM QPSK	1@1	24.54	18.09	0.0644
71	15	20	137600	688	DFT-s-OFDM QPSK	1@104	24.65	18.2	0.0661
71	15	20	137600	688	DFT-s-OFDM 16 QAM	50@25	23.48	17.03	0.0505
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@1	23.43	16.98	0.0499
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@104	23.57	17.12	0.0515
71	15	20	137600	688	DFT-s-OFDM 64 QAM	50@25	21.98	15.53	0.0357
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@1	21.55	15.1	0.0324
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@104	21.65	15.2	0.0331
71	15	20	137600	688	DFT-s-OFDM 256 QAM	50@25	19.98	13.53	0.0225
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@1	19.7	13.25	0.0211
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@104	19.83	13.38	0.0218
71	15	20	137600	688	CP-OFDM QPSK	53@26	22.91	16.46	0.0443
71	15	20	137600	688	CP-OFDM QPSK	1@1	22.82	16.37	0.0434
71	15	20	137600	688	CP-OFDM QPSK	1@104	22.95	16.5	0.0447

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Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	18.6	**PASS**	NV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	14.6	**PASS**	LV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	10.7	**PASS**	HV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	15	**PASS**	-30℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	10.6	**PASS**	-20℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	13.9	**PASS**	-10℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	11.7	**PASS**	0℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	18.6	**PASS**	10℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	16.5	**PASS**	20℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	18.5	**PASS**	30℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	11.5	**PASS**	40℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	18.9	**PASS**	50℃

|MAX(△f)| = 18.9Hz

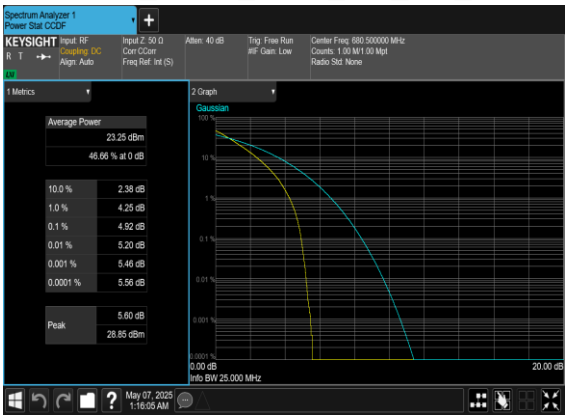
Frequency Stability	Frequency (MHz)	Limit Line	Result
fL – |MAX(△f)|	663.5499811	≧ 663 MHz	PASS
fH + |MAX(△f)|	696.3726189	≦ 698 MHz	

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	100@0	3.51	13	**PASS**
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	4.92	13	**PASS**

N71(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

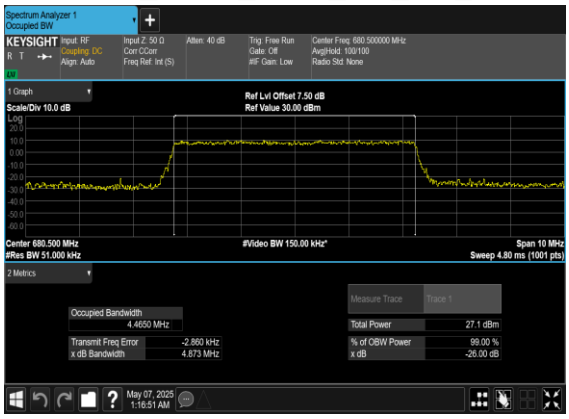
N71(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



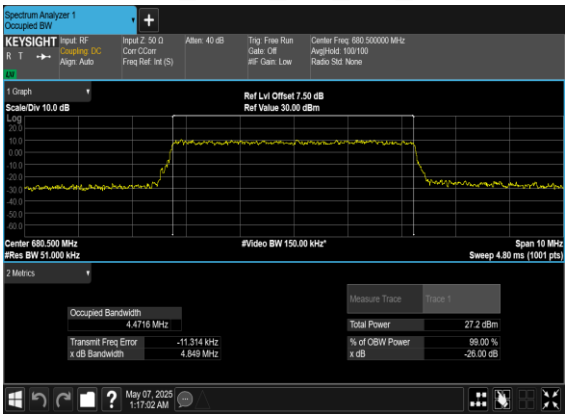
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
71	15	5	136100	680.5	CP-OFDM QPSK	25@0	4.465	4.873
71	15	5	136100	680.5	CP-OFDM 16 QAM	25@0	4.4716	4.849
71	15	5	136100	680.5	CP-OFDM 64 QAM	25@0	4.4703	4.983
71	15	5	136100	680.5	CP-OFDM 256 QAM	25@0	4.4648	4.77
71	15	10	136100	680.5	CP-OFDM QPSK	52@0	9.2472	9.732
71	15	10	136100	680.5	CP-OFDM 16 QAM	52@0	9.2456	9.69
71	15	10	136100	680.5	CP-OFDM 64 QAM	52@0	9.2799	9.678
71	15	10	136100	680.5	CP-OFDM 256 QAM	52@0	9.2467	9.82
71	15	15	136100	680.5	CP-OFDM QPSK	79@0	14.047	14.62
71	15	15	136100	680.5	CP-OFDM 16 QAM	79@0	14.05	14.7
71	15	15	136100	680.5	CP-OFDM 64 QAM	79@0	14.076	14.68
71	15	15	136100	680.5	CP-OFDM 256 QAM	79@0	14.105	14.63
71	15	20	136100	680.5	CP-OFDM QPSK	106@0	18.837	19.66
71	15	20	136100	680.5	CP-OFDM 16 QAM	106@0	18.869	19.63
71	15	20	136100	680.5	CP-OFDM 64 QAM	106@0	18.872	19.56
71	15	20	136100	680.5	CP-OFDM 256 QAM	106@0	18.853	19.67

N71(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



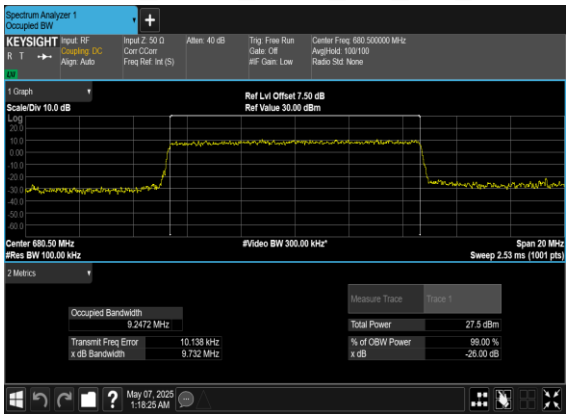
N71(5M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



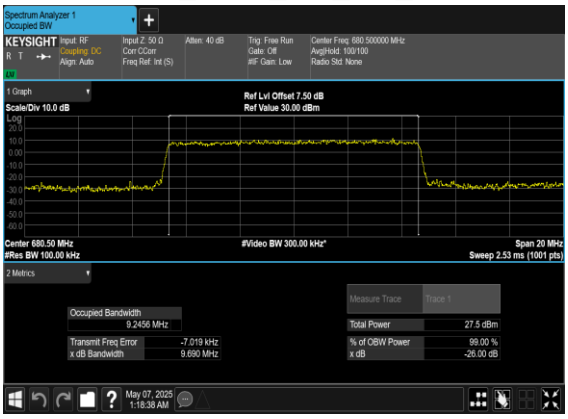
N71(5M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N71(5M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N71(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



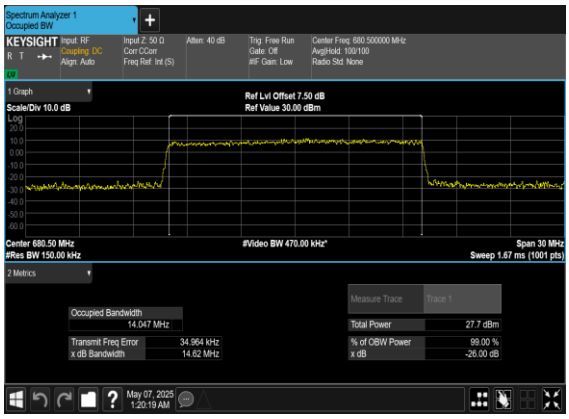
N71(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N71(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

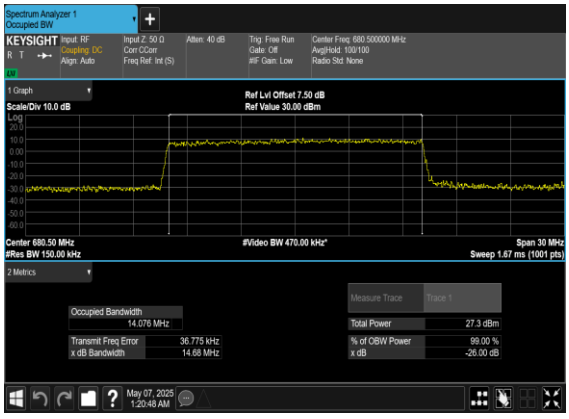
N71(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N71(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N71(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

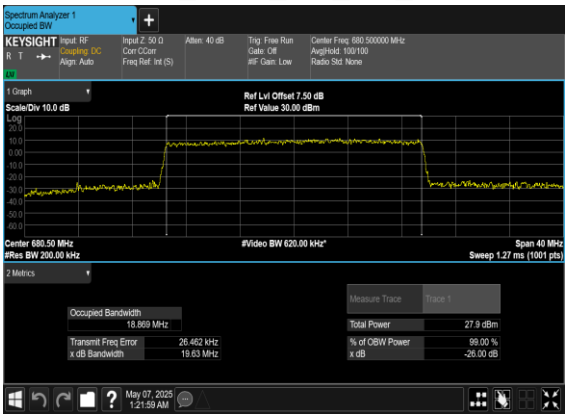
N71(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



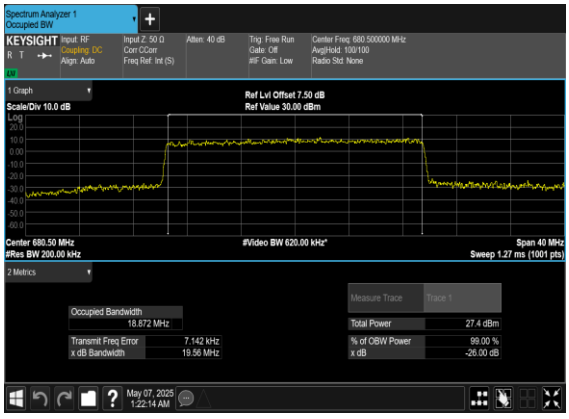
N71(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N71(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N71(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N71(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N71(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

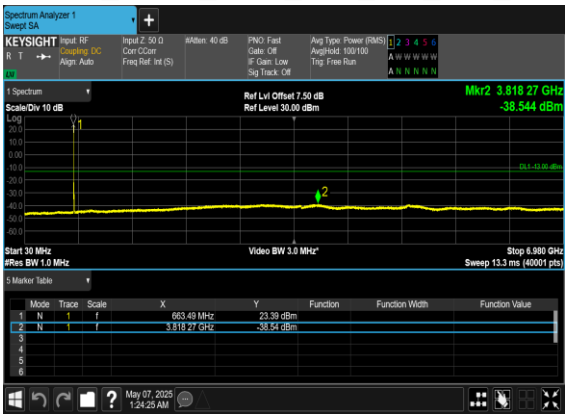
Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
71	15	5	133100	665.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
71	15	5	133100	665.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
71	15	5	136100	680.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
71	15	5	136100	680.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
71	15	5	139100	695.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
71	15	5	139100	695.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
71	15	10	133600	668.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
71	15	10	133600	668.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
71	15	10	133600	668.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
71	15	10	133600	668.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
71	15	10	136100	680.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
71	15	10	136100	680.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

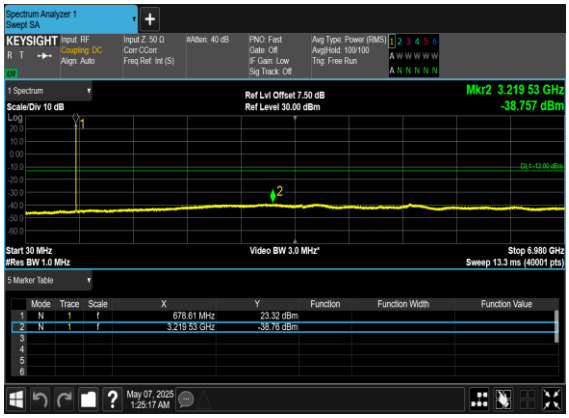
71	15	10	138600	693.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
71	15	10	138600	693.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
71	15	10	138600	693.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
71	15	10	138600	693.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
71	15	20	134600	673.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
71	15	20	134600	673.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
71	15	20	134600	673.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
71	15	20	134600	673.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
71	15	20	136100	680.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
71	15	20	136100	680.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
71	15	20	137600	688.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
71	15	20	137600	688.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
71	15	20	137600	688.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
71	15	20	137600	688.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

N71(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

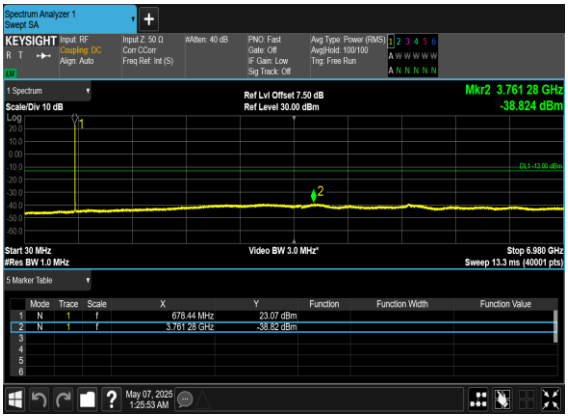
N71(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

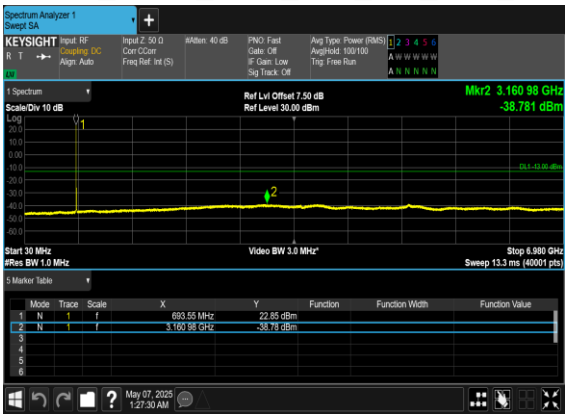


N71(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

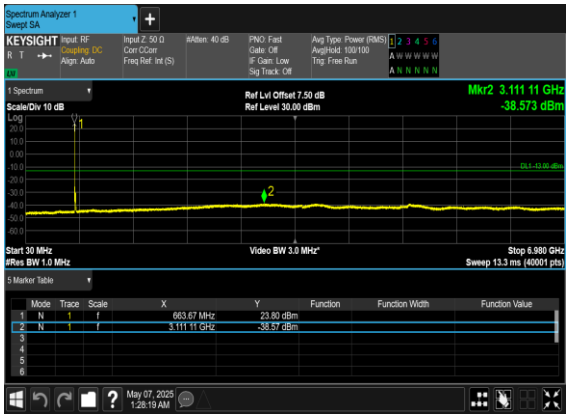


N71(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

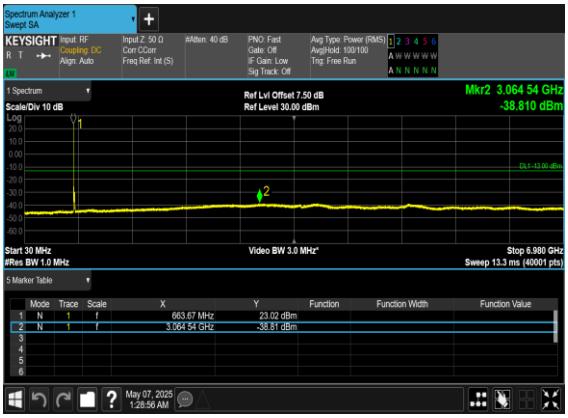
N71(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N71(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

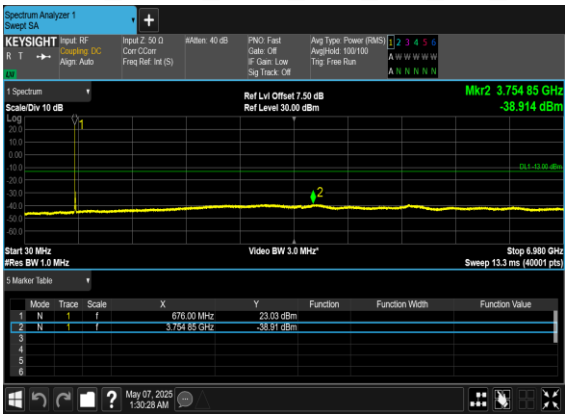


N71(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

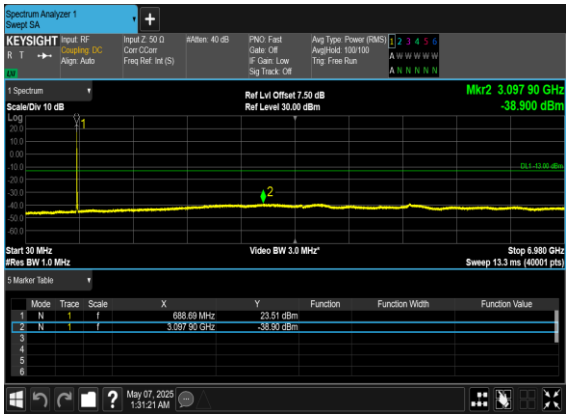


N71(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

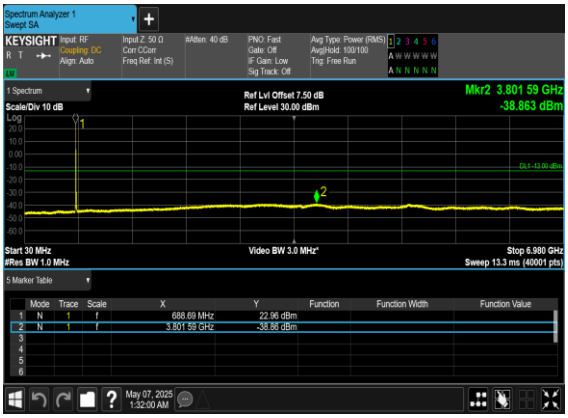
N71(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N71(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

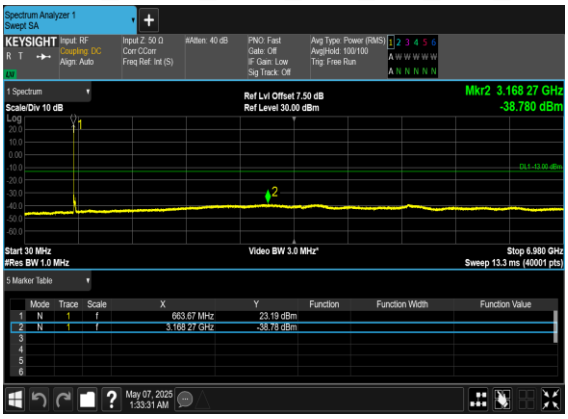


N71(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

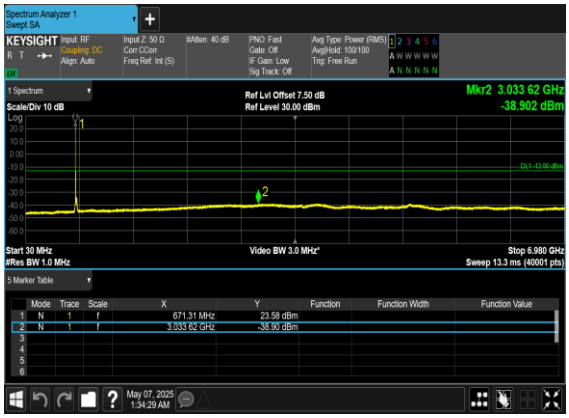


N71(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

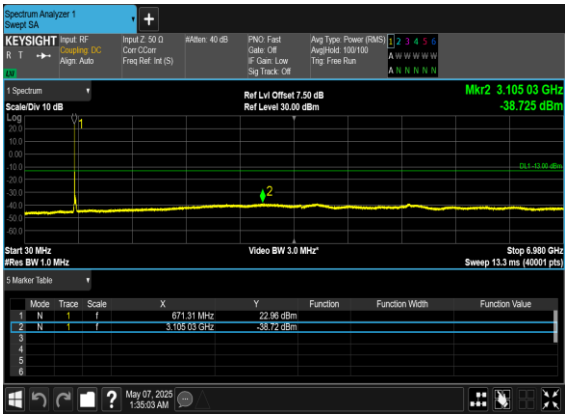
N71(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

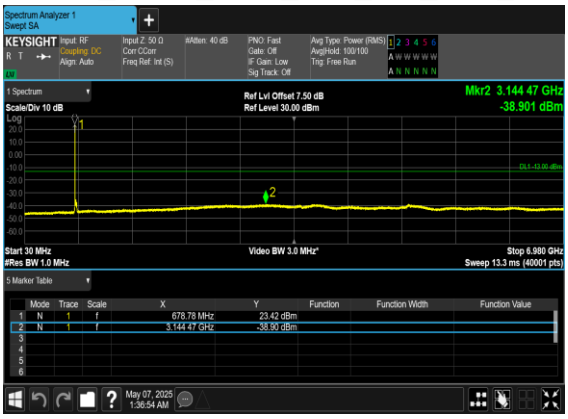


N71(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N71(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

N71(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

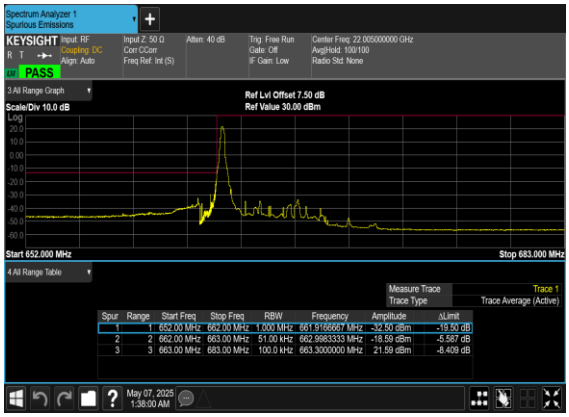


Conducted Band Edge

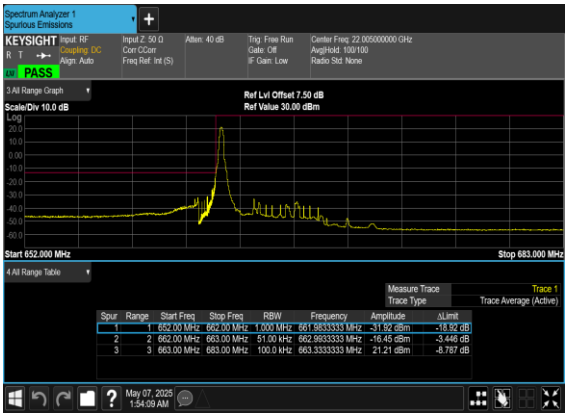
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
71	15	5	133100	665.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
71	15	5	133100	665.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
71	15	5	133100	665.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
71	15	5	139100	695.5	DFT-s-OFDM BPSK	1@24	see graph	**PASS**
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@24	see graph	**PASS**
71	15	5	139100	695.5	DFT-s-OFDM BPSK	25@0	see graph	**PASS**
71	15	5	139100	695.5	DFT-s-OFDM QPSK	25@0	see graph	**PASS**
71	15	10	133600	668.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
71	15	10	133600	668.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
71	15	10	133600	668.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
71	15	10	133600	668.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
71	15	10	138600	693.0	DFT-s-OFDM BPSK	1@51	see graph	**PASS**
71	15	10	138600	693.0	DFT-s-OFDM QPSK	1@51	see graph	**PASS**
71	15	10	138600	693.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
71	15	10	138600	693.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
71	15	20	134600	673.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
71	15	20	134600	673.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
71	15	20	134600	673.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
71	15	20	134600	673.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**

71	15	20	137600	688.0	DFT-s-OFDM BPSK	1@105	see graph	**PASS**
71	15	20	137600	688.0	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
71	15	20	137600	688.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
71	15	20	137600	688.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**

N71(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N71(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



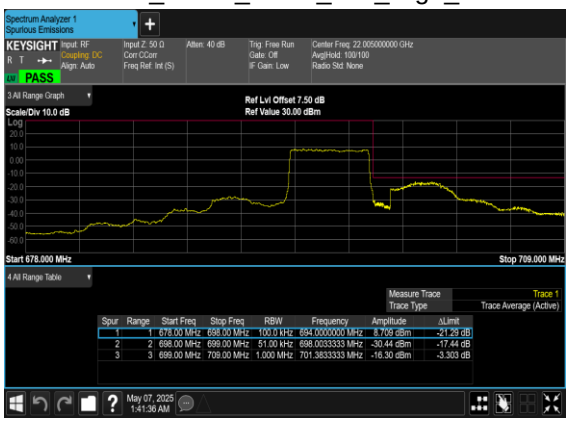
N71(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

N71(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

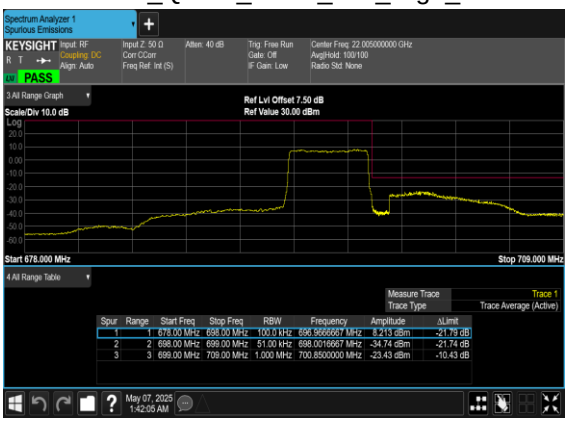
N71(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

N71(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

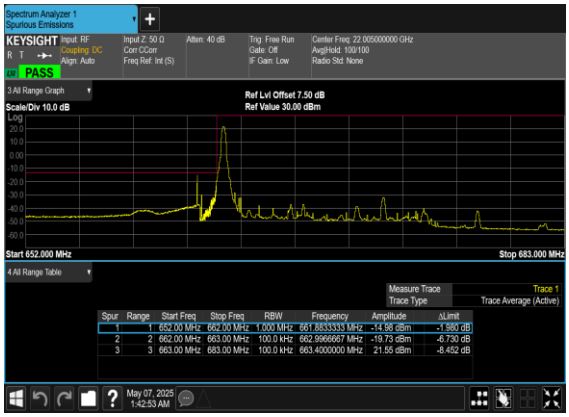
N71(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



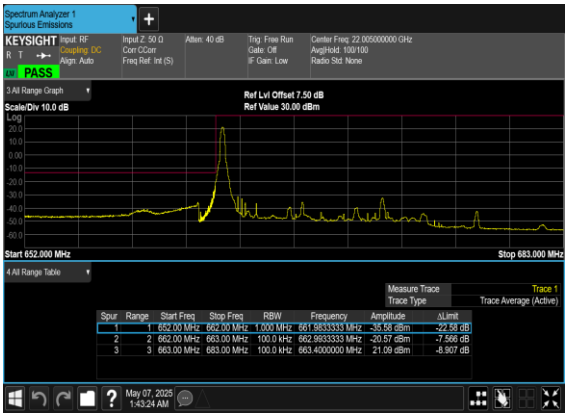
N71(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



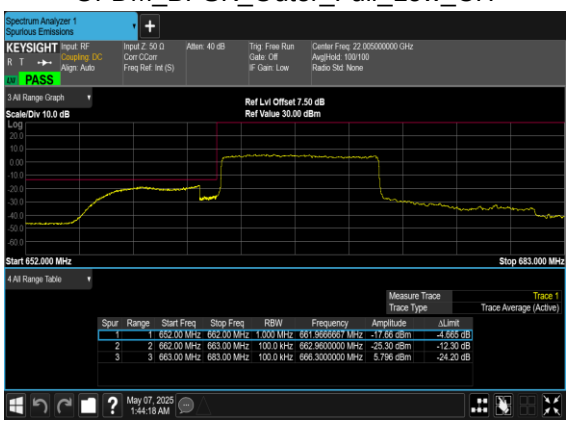
N71(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



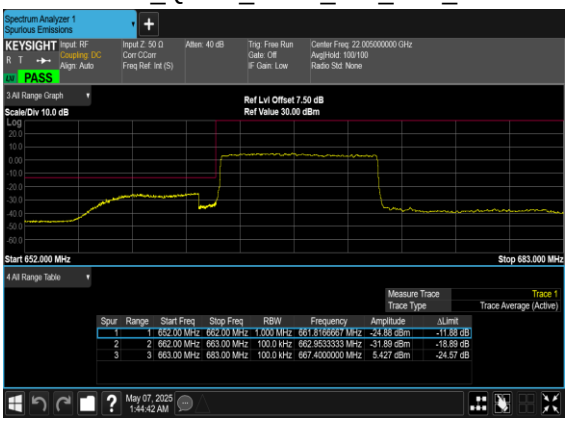
N71(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

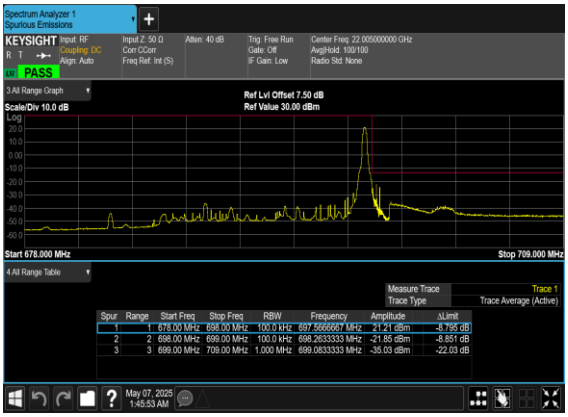


N71(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



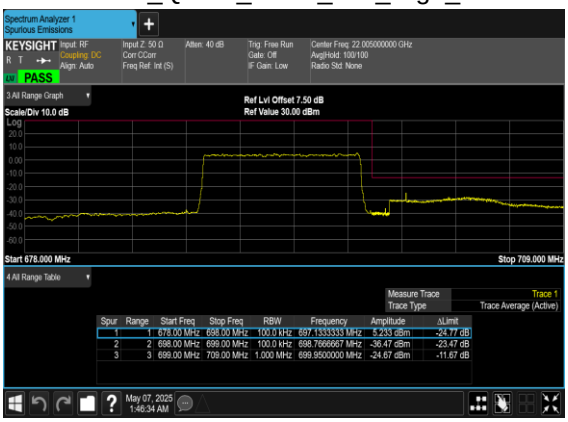
N71(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

N71(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

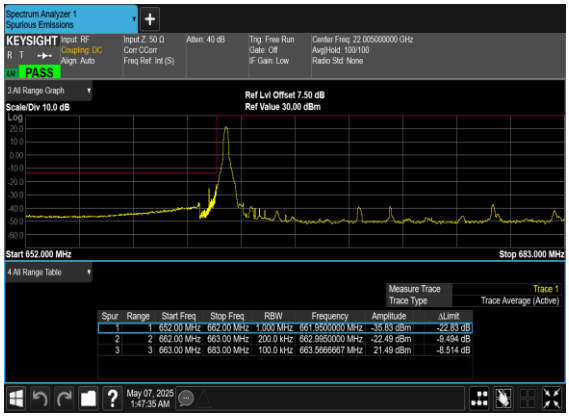


N71(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

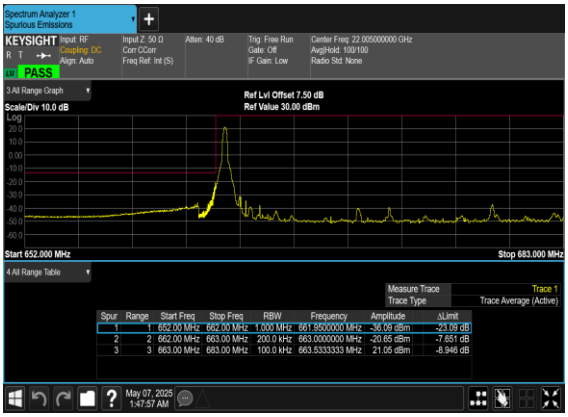
N71(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N71(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

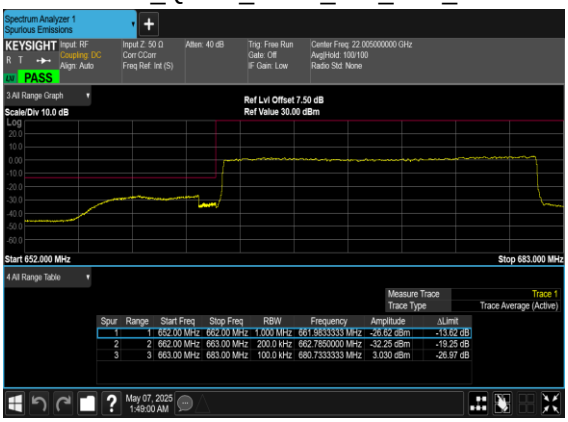


N71(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

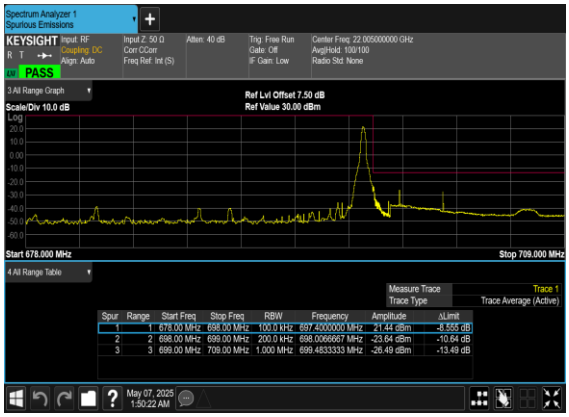


N71(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

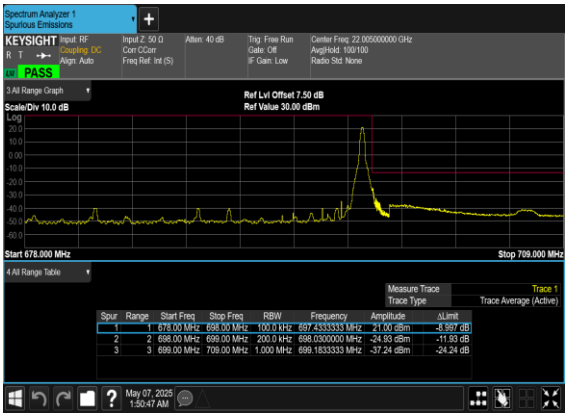
N71(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N71(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

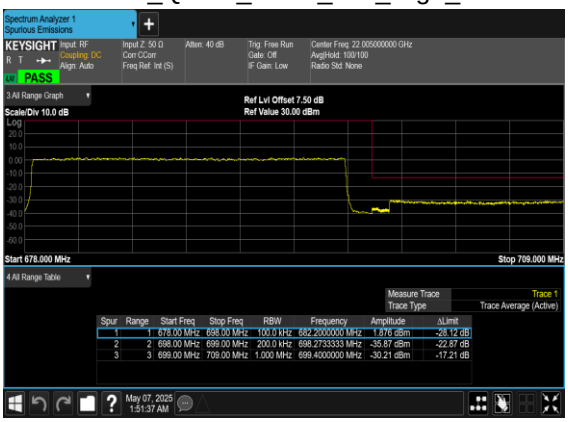


N71(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N71(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

N71(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	LiangPing Zhou	Temperature :	22~25℃
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

n12 SA / NR 15MHz / QPSK(ANT1)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1401	-64.69	-13	-51.69	-74.95	-67.94	4.00	9.40	H
	2101	-63.66	-13	-50.66	-76.43	-67.23	4.88	10.60	H
	2802	-62.29	-13	-49.29	-77.58	-67.22	5.52	12.60	H
	1401	-64.99	-13	-51.99	-74.81	-68.24	4.00	9.40	V
	2101	-63.86	-13	-50.86	-76.58	-67.43	4.88	10.60	V
	2802	-62.26	-13	-49.26	-77.74	-67.19	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

n66 SA / NR 40MHz / QPSK(ANT3)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3452	-60.23	-13	-47.23	-76.37	-67.08	5.65	12.50	H
	5178	-46.77	-13	-33.77	-68.30	-52.44	7.13	12.80	H
	6904	-56.48	-13	-43.48	-81.55	-59.88	8.40	11.80	H
	3452	-57.87	-13	-44.87	-74.05	-64.72	5.65	12.50	V
	5178	-43.87	-13	-30.87	-65.69	-49.54	7.13	12.80	V
	6904	-55.82	-13	-42.82	-81.37	-59.22	8.40	11.80	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_7A_n66A / LTE 10MHz + NR 40MHz / QPSK (ANT2+3) – n66 other PA									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n66 Middle	3452	-61.33	-13	-48.33	-77.47	-68.18	5.65	12.50	H
	5178	-59.91	-13	-46.91	-81.44	-65.58	7.13	12.80	H
	6904	-56.61	-13	-43.61	-81.68	-60.01	8.40	11.80	H
	3452	-60.52	-13	-47.52	-76.7	-67.37	5.65	12.50	V
	5178	-57.38	-13	-44.38	-79.2	-63.05	7.13	12.80	V
	6904	-56.36	-13	-43.36	-81.91	-59.76	8.40	11.80	V
LTE Band7 Middle	5061.00	-60.35	-25	-35.35	-82.21	-65.91	7.14	12.70	H
	7591.50	-55.02	-25	-30.02	-81.01	-58.32	8.30	11.60	H
	10122.00	-50.10	-25	-25.10	-81.70	-51.62	10.48	12.00	H
	5061.00	-60.19	-25	-35.19	-82.19	-65.75	7.14	12.70	V
	7591.50	-54.99	-25	-29.99	-80.93	-58.29	8.30	11.60	V
	10122.00	-51.55	-25	-26.55	-81.78	-53.07	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

n71 SA / NR 20MHz / QPSK(ANT1)									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1343	-65.43	-13	-52.43	-75.02	-68.68	4.00	9.40	H
	2014.5	-64.95	-13	-51.95	-76.11	-68.52	4.88	10.60	H
	2686	-62.57	-13	-49.57	-77.18	-67.50	5.52	12.60	H
	1343	-65.46	-13	-52.46	-74.68	-68.71	4.00	9.40	V
	2014.5	-65.02	-13	-52.02	-76.07	-68.59	4.88	10.60	V
	2686	-62.39	-13	-49.39	-77.02	-67.32	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.