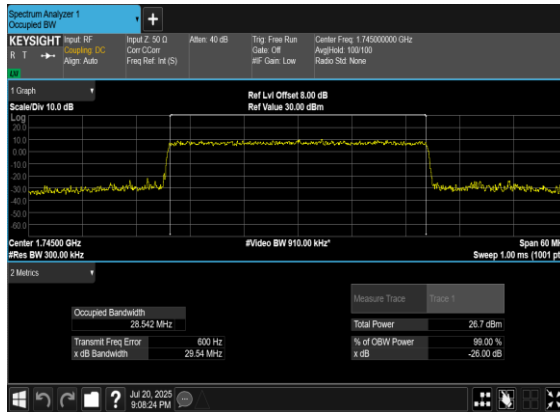
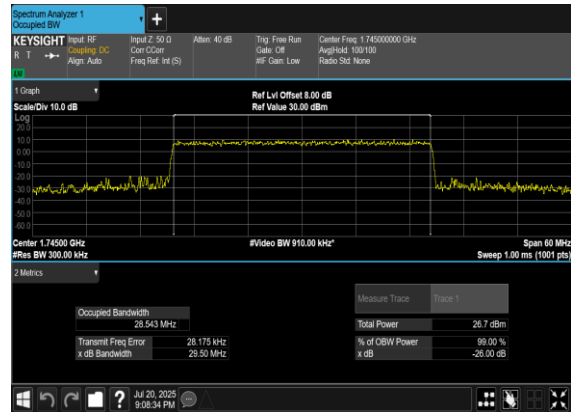




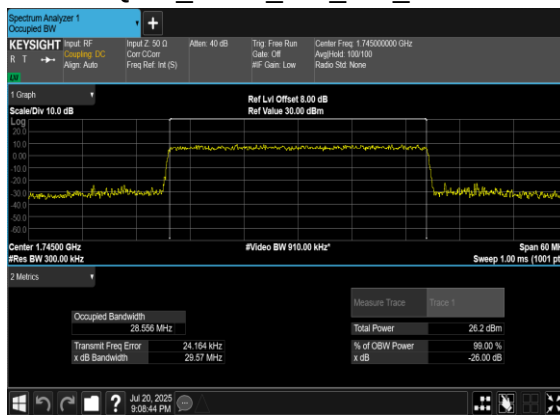
N66(30M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



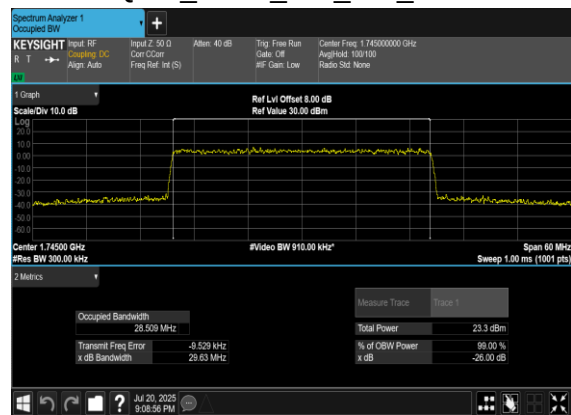
N66(30M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N66(30M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

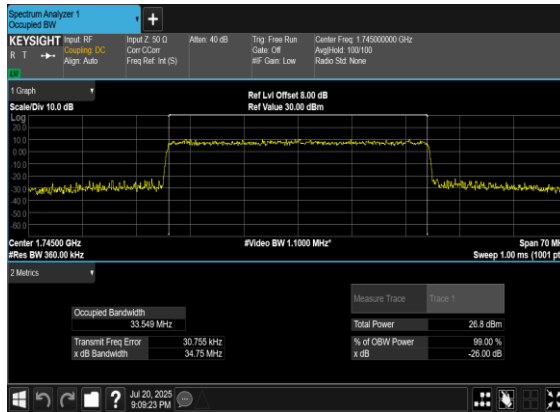


N66(30M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

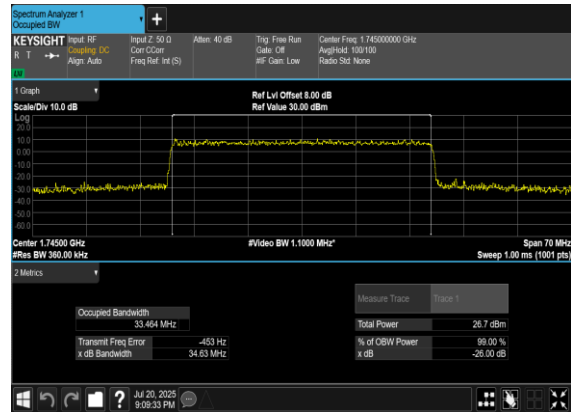




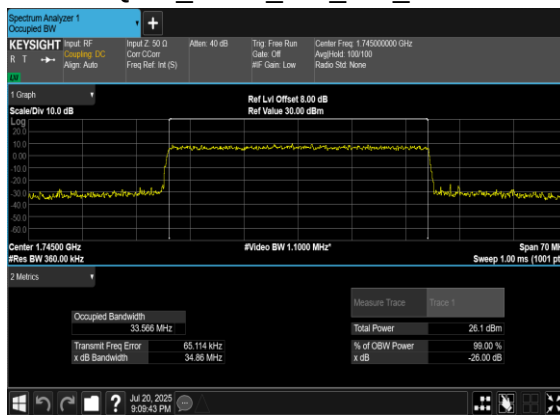
N66(35M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



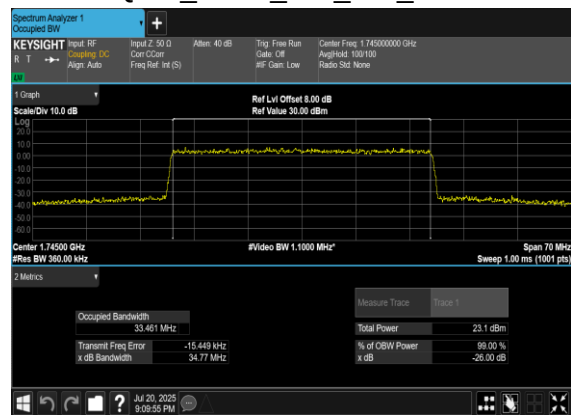
N66(35M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N66(35M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

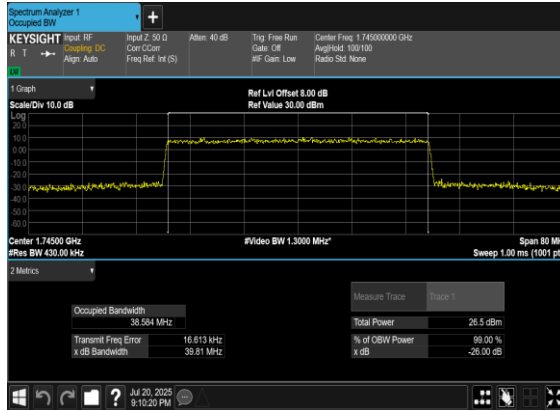


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QAM_Outer_Full_Mid_CH

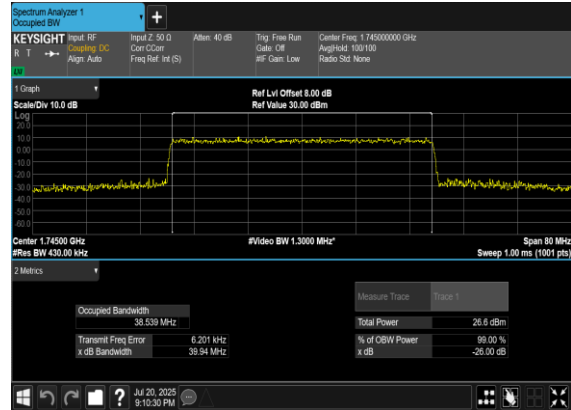




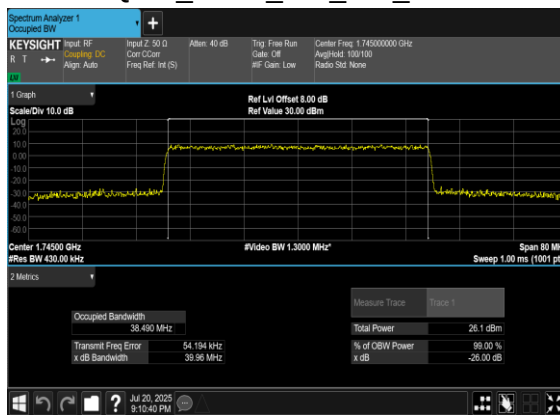
N66(40M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



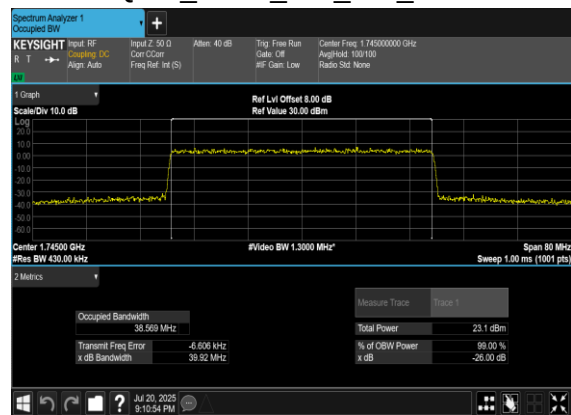
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QAM_Outer_Full_Mid_CH



N66(40M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

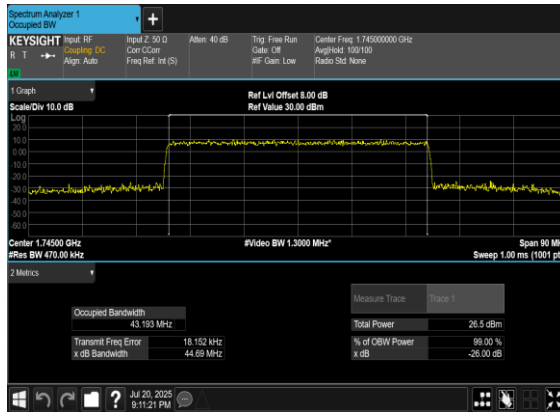


N66(40M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

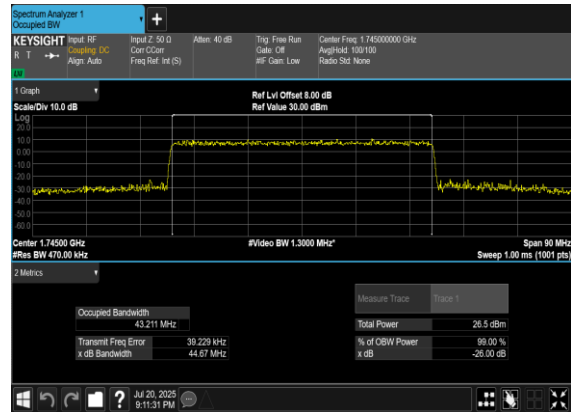




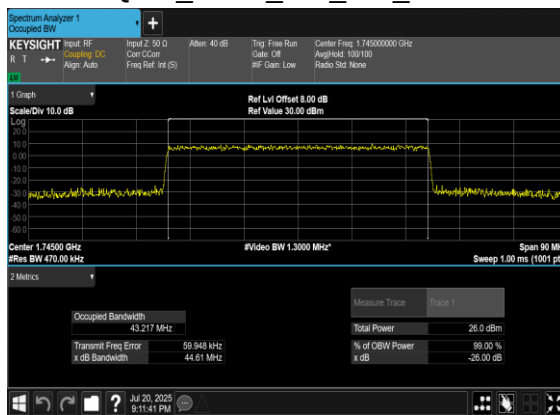
N66(45M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



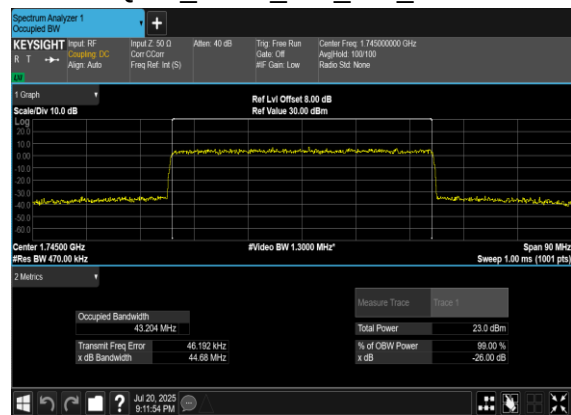
N66(45M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N66(45M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N66(45M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

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	---
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	---
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	5	355500	1777.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	5	355500	1777.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	344000	1720.0	DFT-s-OFDM BPSK	1@0	see graph	---
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	---
66	15	20	344000	1720.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	20	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	20	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS



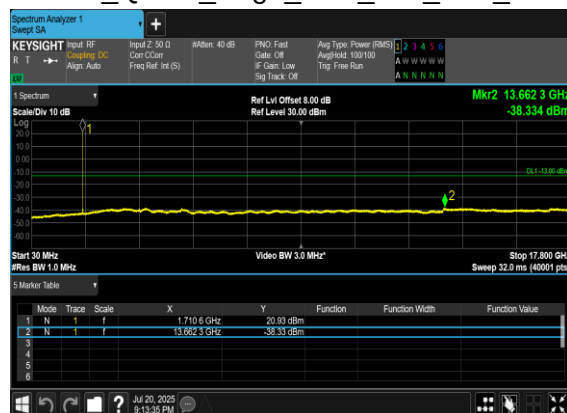
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	20	354000	1770.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	20	354000	1770.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	45	346500	1732.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	45	346500	1732.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	45	346500	1732.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	45	346500	1732.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	45	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	45	349000	1745.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	45	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	45	349000	1745.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	45	351500	1757.5	DFT-s-OFDM BPSK	1@0	see graph	---
66	15	45	351500	1757.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	45	351500	1757.5	DFT-s-OFDM QPSK	1@0	see graph	---
66	15	45	351500	1757.5	DFT-s-OFDM QPSK	1@0	see graph	PASS



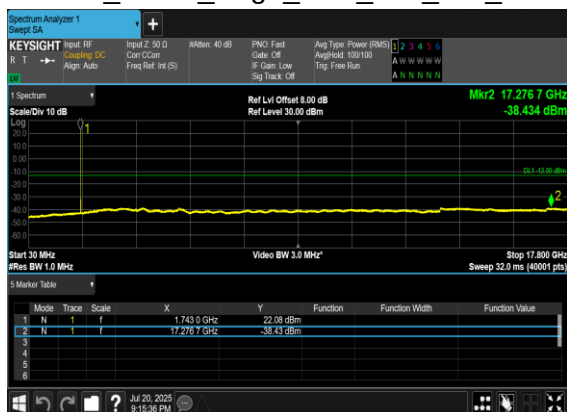
N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



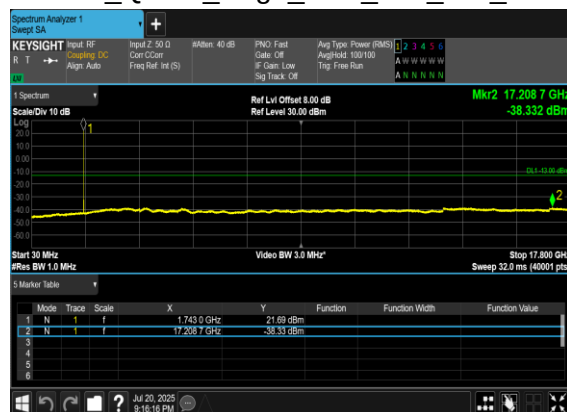
N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

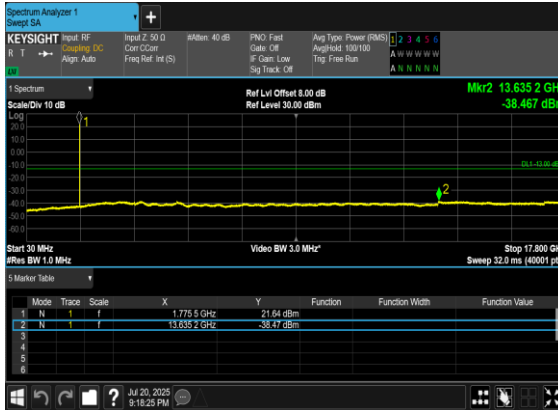


N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

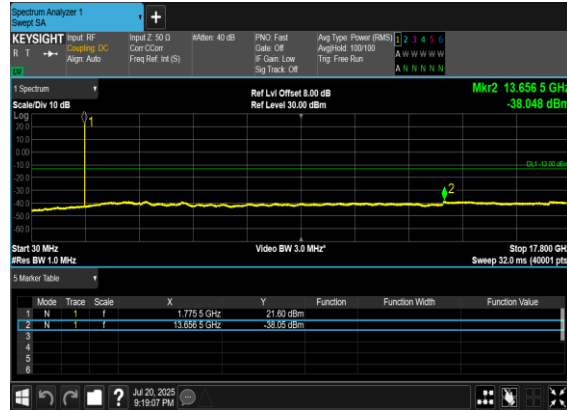




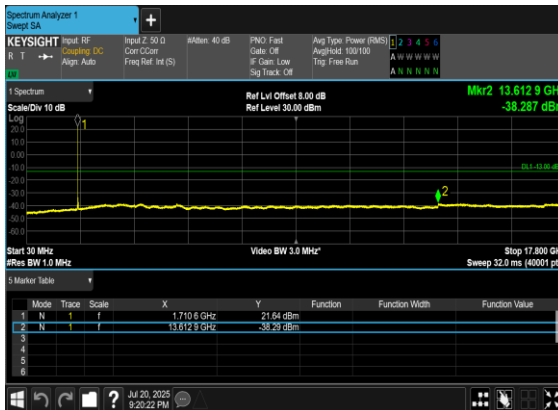
N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



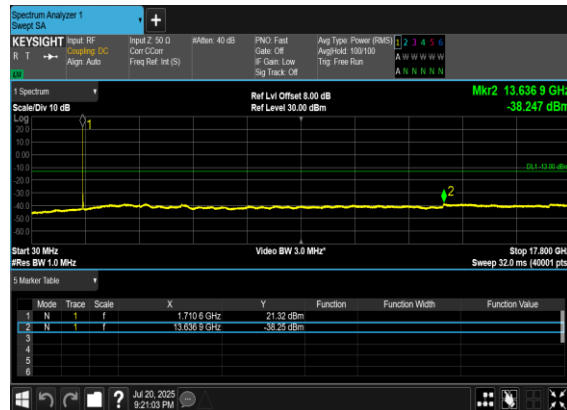
N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

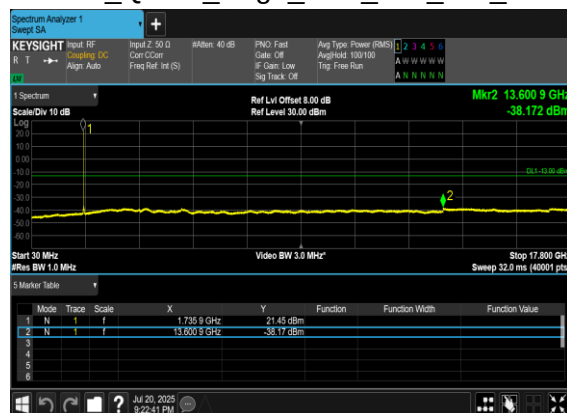




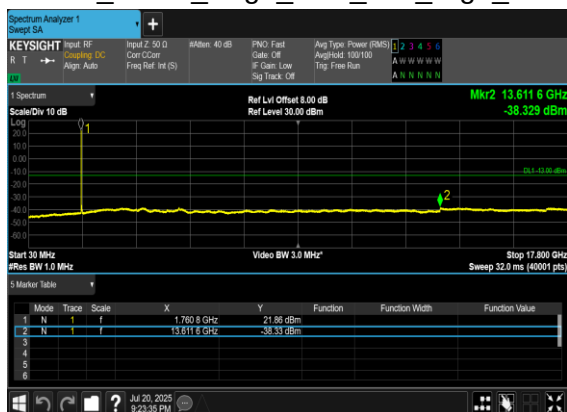
N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



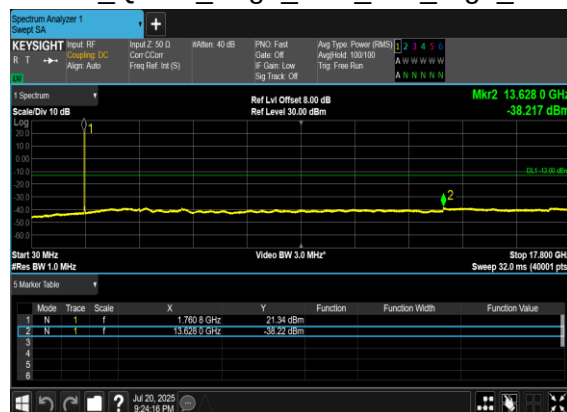
N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

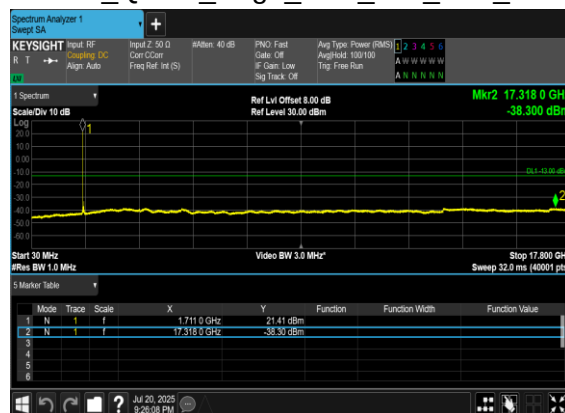




N66(45M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



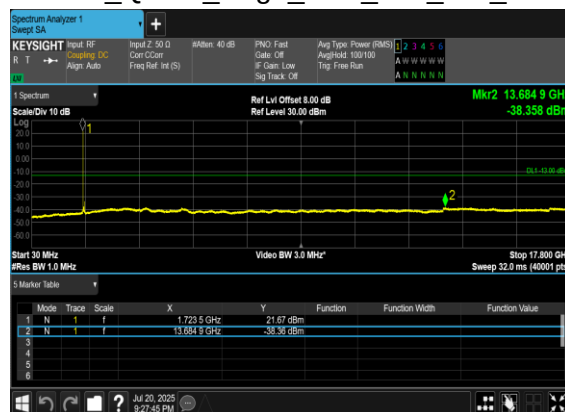
N66(45M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N66(45M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

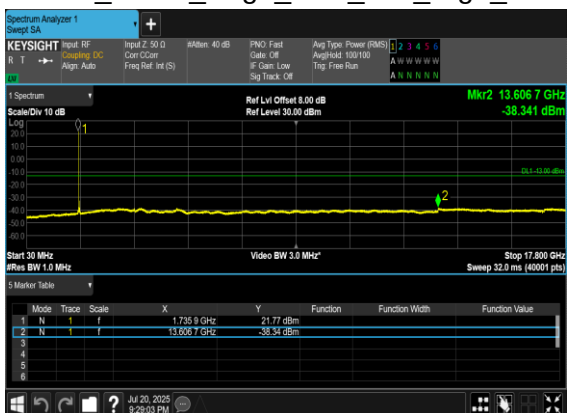


N66(45M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

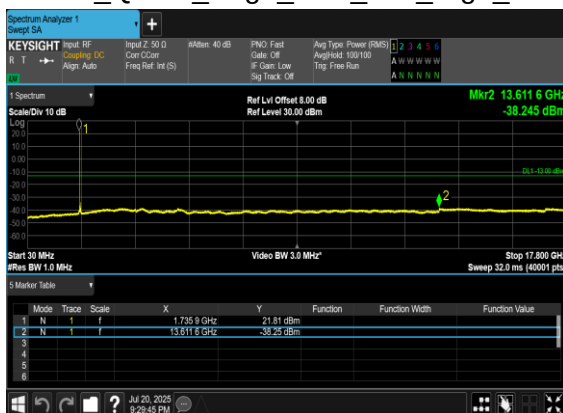




N66(45M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N66(45M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH



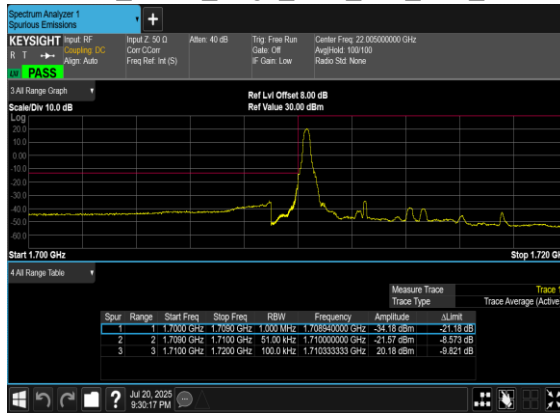


Conducted Band Edge

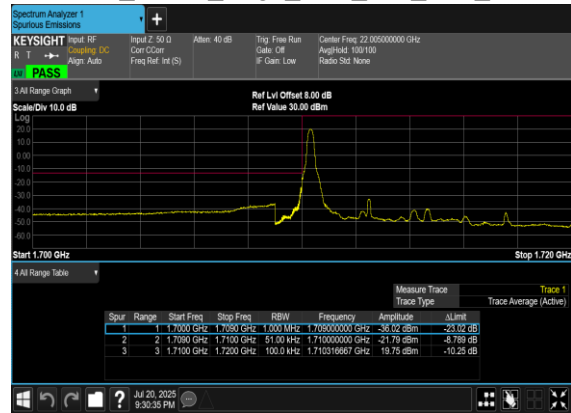
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	25@0	see graph	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	45	346500	1732.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	45	346500	1732.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	45	346500	1732.5	DFT-s-OFDM BPSK	240@0	see graph	PASS
66	15	45	346500	1732.5	DFT-s-OFDM QPSK	240@0	see graph	PASS
66	15	45	351500	1757.5	DFT-s-OFDM BPSK	1@241	see graph	PASS
66	15	45	351500	1757.5	DFT-s-OFDM QPSK	1@241	see graph	PASS
66	15	45	351500	1757.5	DFT-s-OFDM BPSK	240@0	see graph	PASS
66	15	45	351500	1757.5	DFT-s-OFDM QPSK	240@0	see graph	PASS



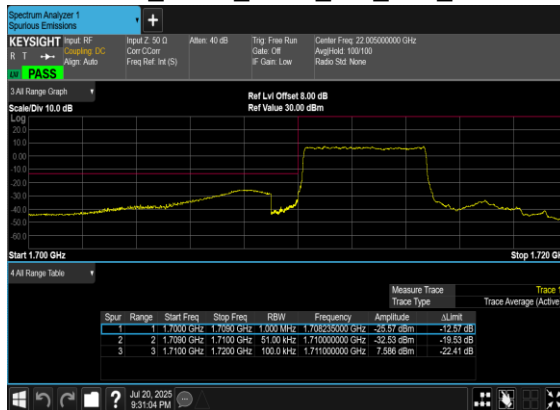
N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



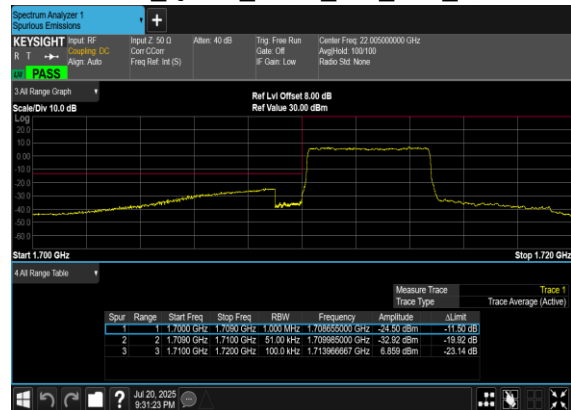
N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N66(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

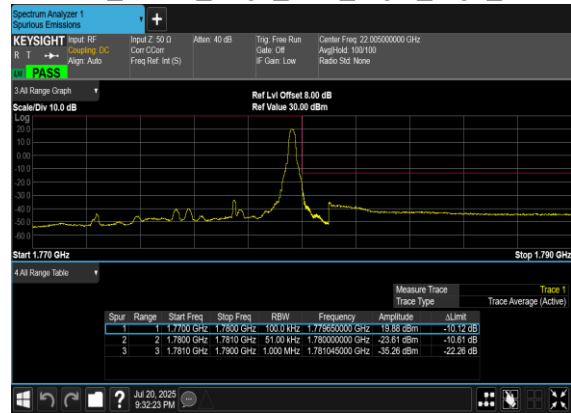




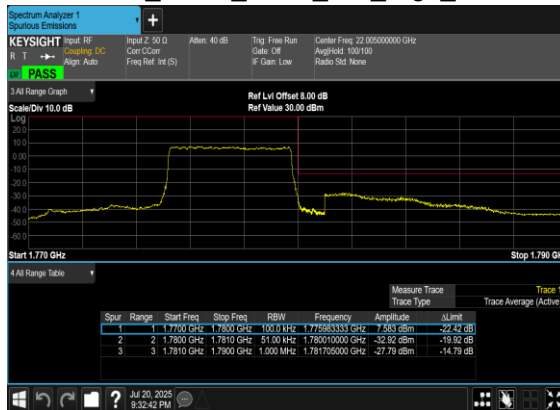
N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



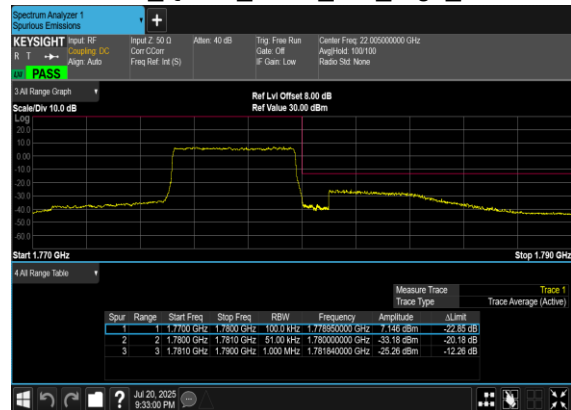
N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N66(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

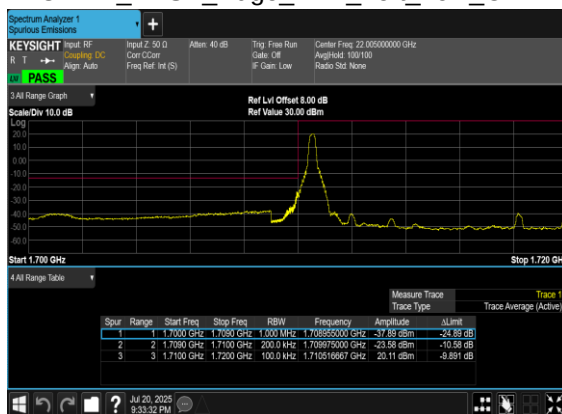


N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

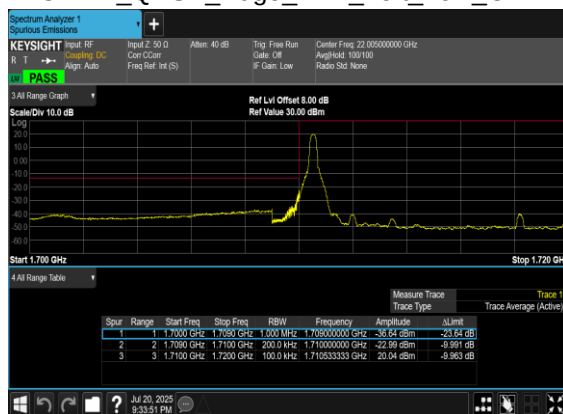




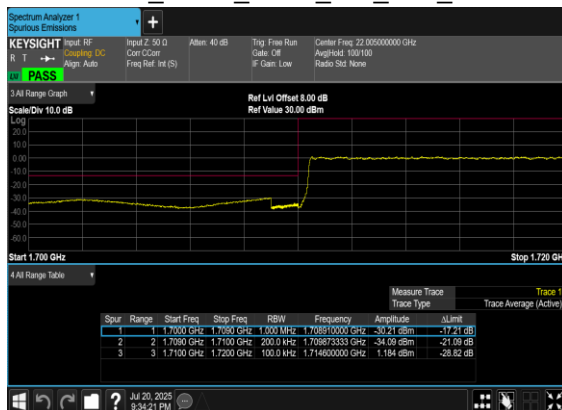
N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



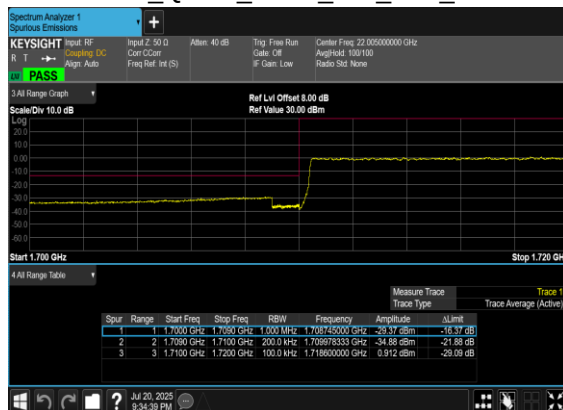
N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N66(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

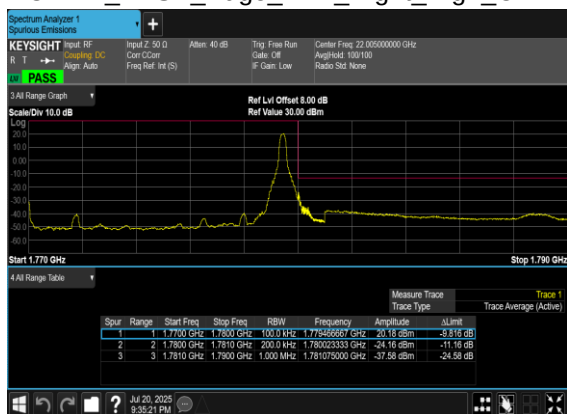


N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

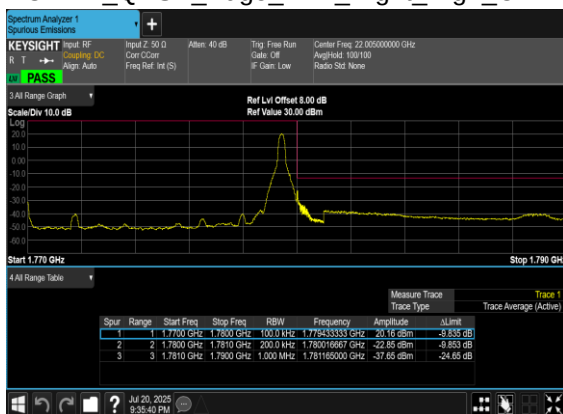




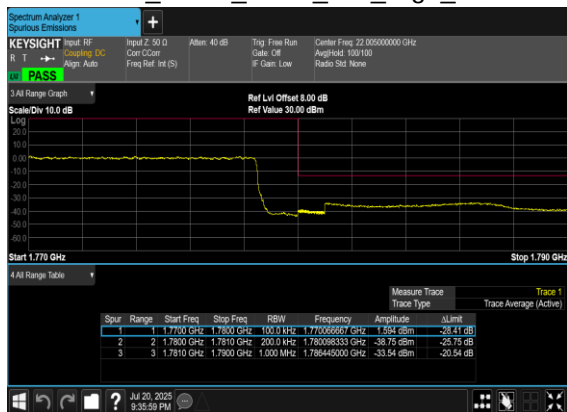
N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



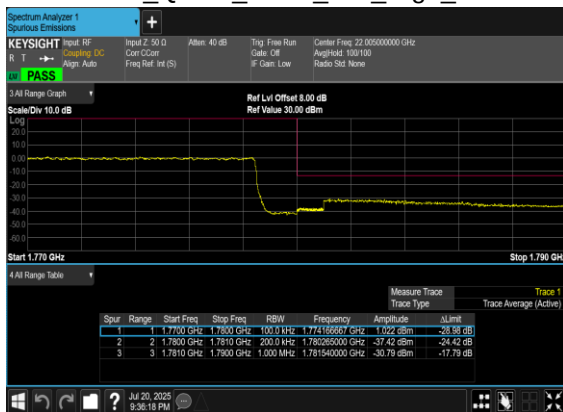
N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N66(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

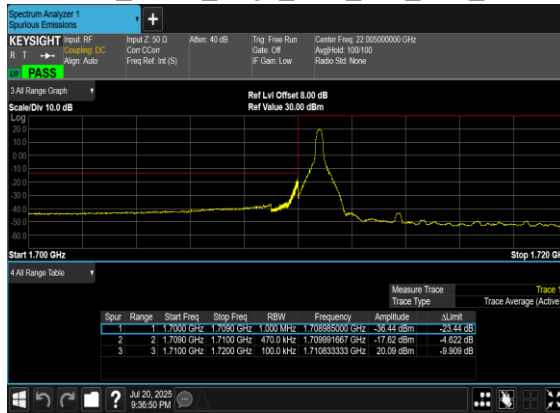


N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

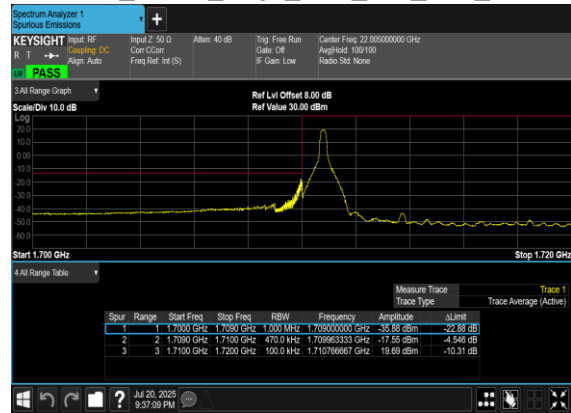




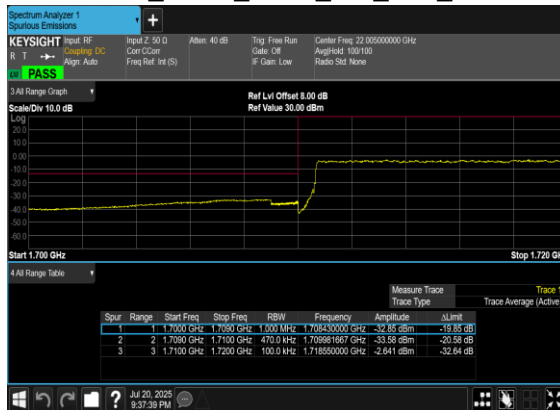
N66(45M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



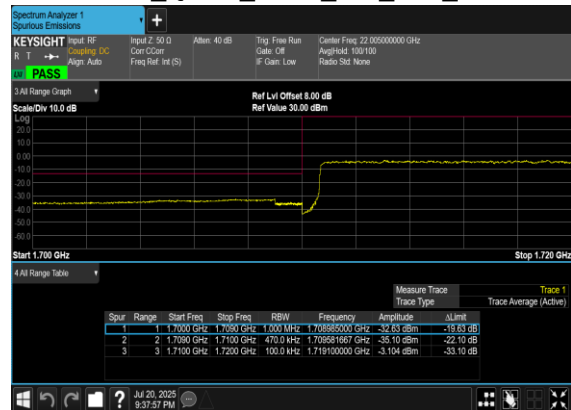
N66(45M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N66(45M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

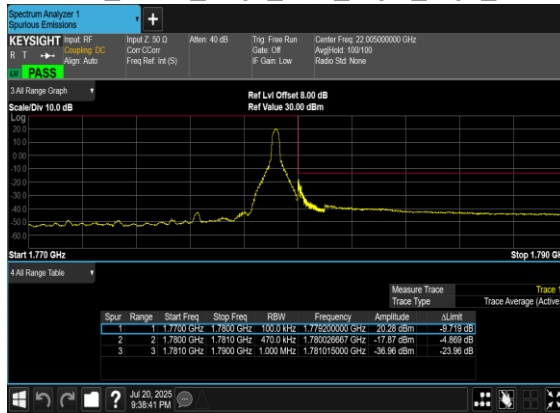


N66(45M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

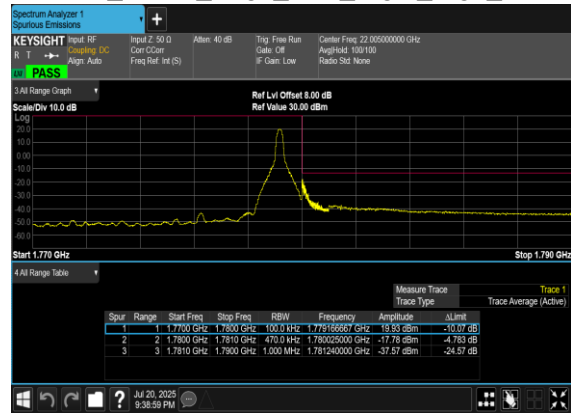




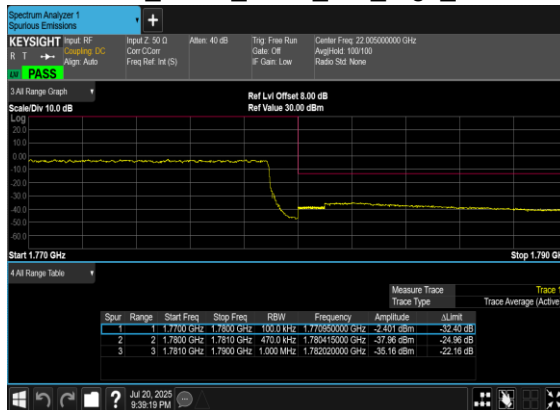
N66(45M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



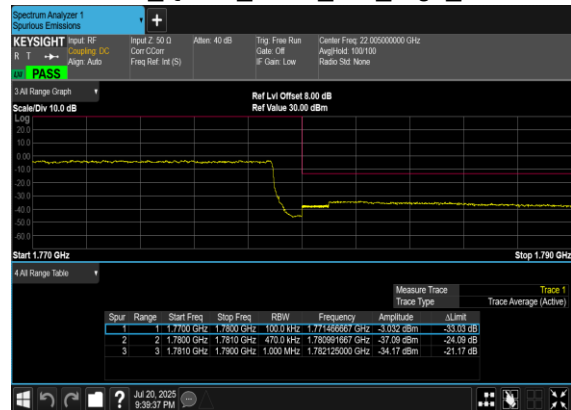
N66(45M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



N66(45M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N66(45M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 n66(Ant 1)-30kHz

Transmitter Conducted Output Power And EIRP, (G_T - L_c)=1.63dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
66	30	10	343000	1715	DFT-s-OFDM QPSK	12@6	23.34	24.97	0.3141
66	30	10	343000	1715	DFT-s-OFDM QPSK	1@1	23.41	25.04	0.3192
66	30	10	343000	1715	DFT-s-OFDM QPSK	1@22	23.44	25.07	0.3214
66	30	10	343000	1715	DFT-s-OFDM 16 QAM	12@6	22.29	23.92	0.2466
66	30	10	343000	1715	DFT-s-OFDM 16 QAM	1@1	22.44	24.07	0.2553
66	30	10	343000	1715	DFT-s-OFDM 16 QAM	1@22	22.44	24.07	0.2553
66	30	10	349000	1745	DFT-s-OFDM QPSK	12@6	23.46	25.09	0.3228
66	30	10	349000	1745	DFT-s-OFDM QPSK	1@1	23.65	25.28	0.3373
66	30	10	349000	1745	DFT-s-OFDM QPSK	1@22	23.66	25.29	0.3381
66	30	10	349000	1745	DFT-s-OFDM 16 QAM	12@6	22.48	24.11	0.2576
66	30	10	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.55	24.18	0.2618
66	30	10	349000	1745	DFT-s-OFDM 16 QAM	1@22	22.53	24.16	0.2606
66	30	10	355000	1775	DFT-s-OFDM QPSK	12@6	23.33	24.96	0.3133
66	30	10	355000	1775	DFT-s-OFDM QPSK	1@1	23.65	25.28	0.3373
66	30	10	355000	1775	DFT-s-OFDM QPSK	1@22	23.78	25.41	0.3475
66	30	10	355000	1775	DFT-s-OFDM 16 QAM	12@6	22.35	23.98	0.2500
66	30	10	355000	1775	DFT-s-OFDM 16 QAM	1@1	22.51	24.14	0.2594
66	30	10	355000	1775	DFT-s-OFDM 16 QAM	1@22	22.63	24.26	0.2667
66	30	15	343500	1717.5	DFT-s-OFDM QPSK	18@9	23.2	24.83	0.3041
66	30	15	343500	1717.5	DFT-s-OFDM QPSK	1@1	23.37	25	0.3162
66	30	15	343500	1717.5	DFT-s-OFDM QPSK	1@36	23.45	25.08	0.3221
66	30	15	343500	1717.5	DFT-s-OFDM 16 QAM	18@9	22.3	23.93	0.2472
66	30	15	343500	1717.5	DFT-s-OFDM 16 QAM	1@1	22.43	24.06	0.2547
66	30	15	343500	1717.5	DFT-s-OFDM 16 QAM	1@36	22.47	24.1	0.2570
66	30	15	349000	1745	DFT-s-OFDM QPSK	18@9	23.38	25.01	0.3170
66	30	15	349000	1745	DFT-s-OFDM QPSK	1@1	23.66	25.29	0.3381
66	30	15	349000	1745	DFT-s-OFDM QPSK	1@36	23.65	25.28	0.3373
66	30	15	349000	1745	DFT-s-OFDM 16 QAM	18@9	22.49	24.12	0.2582
66	30	15	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.49	24.12	0.2582
66	30	15	349000	1745	DFT-s-OFDM 16 QAM	1@36	22.57	24.2	0.2630
66	30	15	354500	1772.5	DFT-s-OFDM QPSK	18@9	23.25	24.88	0.3076
66	30	15	354500	1772.5	DFT-s-OFDM QPSK	1@1	23.59	25.22	0.3327



66	30	15	354500	1772.5	DFT-s-OFDM QPSK	1@36	23.8	25.43	0.3491
66	30	15	354500	1772.5	DFT-s-OFDM 16 QAM	18@9	22.44	24.07	0.2553
66	30	15	354500	1772.5	DFT-s-OFDM 16 QAM	1@1	22.48	24.11	0.2576
66	30	15	354500	1772.5	DFT-s-OFDM 16 QAM	1@36	22.56	24.19	0.2624
66	30	20	344000	1720	DFT-s-OFDM QPSK	25@12	23.27	24.9	0.3090
66	30	20	344000	1720	DFT-s-OFDM QPSK	1@1	23.38	25.01	0.3170
66	30	20	344000	1720	DFT-s-OFDM QPSK	1@49	23.57	25.2	0.3311
66	30	20	344000	1720	DFT-s-OFDM 16 QAM	25@12	22.32	23.95	0.2483
66	30	20	344000	1720	DFT-s-OFDM 16 QAM	1@1	22.48	24.11	0.2576
66	30	20	344000	1720	DFT-s-OFDM 16 QAM	1@49	22.52	24.15	0.2600
66	30	20	349000	1745	DFT-s-OFDM QPSK	25@12	23.41	25.04	0.3192
66	30	20	349000	1745	DFT-s-OFDM QPSK	1@1	23.67	25.3	0.3388
66	30	20	349000	1745	DFT-s-OFDM QPSK	1@49	23.66	25.29	0.3381
66	30	20	349000	1745	DFT-s-OFDM 16 QAM	25@12	22.34	23.97	0.2495
66	30	20	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.58	24.21	0.2636
66	30	20	349000	1745	DFT-s-OFDM 16 QAM	1@49	22.65	24.28	0.2679
66	30	20	354000	1770	DFT-s-OFDM QPSK	25@12	23.35	24.98	0.3148
66	30	20	354000	1770	DFT-s-OFDM QPSK	1@1	23.53	25.16	0.3281
66	30	20	354000	1770	DFT-s-OFDM QPSK	1@49	23.89	25.52	0.3565
66	30	20	354000	1770	DFT-s-OFDM 16 QAM	25@12	22.37	24	0.2512
66	30	20	354000	1770	DFT-s-OFDM 16 QAM	1@1	22.59	24.22	0.2642
66	30	20	354000	1770	DFT-s-OFDM 16 QAM	1@49	22.75	24.38	0.2742
66	30	25	344500	1722.5	DFT-s-OFDM QPSK	32@16	23.3	24.93	0.3112
66	30	25	344500	1722.5	DFT-s-OFDM QPSK	1@1	23.41	25.04	0.3192
66	30	25	344500	1722.5	DFT-s-OFDM QPSK	1@63	23.66	25.29	0.3381
66	30	25	344500	1722.5	DFT-s-OFDM 16 QAM	32@16	22.21	23.84	0.2421
66	30	25	344500	1722.5	DFT-s-OFDM 16 QAM	1@1	22.51	24.14	0.2594
66	30	25	344500	1722.5	DFT-s-OFDM 16 QAM	1@63	22.53	24.16	0.2606
66	30	25	349000	1745	DFT-s-OFDM QPSK	32@16	23.43	25.06	0.3206
66	30	25	349000	1745	DFT-s-OFDM QPSK	1@1	23.6	25.23	0.3334
66	30	25	349000	1745	DFT-s-OFDM QPSK	1@63	23.69	25.32	0.3404
66	30	25	349000	1745	DFT-s-OFDM 16 QAM	32@16	22.3	23.93	0.2472
66	30	25	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.58	24.21	0.2636
66	30	25	349000	1745	DFT-s-OFDM 16 QAM	1@63	22.6	24.23	0.2649
66	30	25	353500	1767.5	DFT-s-OFDM QPSK	32@16	23.4	25.03	0.3184
66	30	25	353500	1767.5	DFT-s-OFDM QPSK	1@1	23.59	25.22	0.3327
66	30	25	353500	1767.5	DFT-s-OFDM QPSK	1@63	23.84	25.47	0.3524
66	30	25	353500	1767.5	DFT-s-OFDM 16 QAM	32@16	22.36	23.99	0.2506
66	30	25	353500	1767.5	DFT-s-OFDM 16 QAM	1@1	22.6	24.23	0.2649



66	30	25	353500	1767.5	DFT-s-OFDM 16 QAM	1@63	22.61	24.24	0.2655
66	30	30	345000	1725	DFT-s-OFDM QPSK	36@18	23.32	24.95	0.3126
66	30	30	345000	1725	DFT-s-OFDM QPSK	1@1	23.42	25.05	0.3199
66	30	30	345000	1725	DFT-s-OFDM QPSK	1@76	23.76	25.39	0.3459
66	30	30	345000	1725	DFT-s-OFDM 16 QAM	36@18	22.31	23.94	0.2477
66	30	30	345000	1725	DFT-s-OFDM 16 QAM	1@1	22.48	24.11	0.2576
66	30	30	345000	1725	DFT-s-OFDM 16 QAM	1@76	22.59	24.22	0.2642
66	30	30	349000	1745	DFT-s-OFDM QPSK	36@18	23.38	25.01	0.3170
66	30	30	349000	1745	DFT-s-OFDM QPSK	1@1	23.64	25.27	0.3365
66	30	30	349000	1745	DFT-s-OFDM QPSK	1@76	23.7	25.33	0.3412
66	30	30	349000	1745	DFT-s-OFDM 16 QAM	36@18	22.48	24.11	0.2576
66	30	30	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.6	24.23	0.2649
66	30	30	349000	1745	DFT-s-OFDM 16 QAM	1@76	22.66	24.29	0.2685
66	30	30	353000	1765	DFT-s-OFDM QPSK	36@18	23.38	25.01	0.3170
66	30	30	353000	1765	DFT-s-OFDM QPSK	1@1	23.67	25.3	0.3388
66	30	30	353000	1765	DFT-s-OFDM QPSK	1@76	23.92	25.55	0.3589
66	30	30	353000	1765	DFT-s-OFDM 16 QAM	36@18	22.45	24.08	0.2559
66	30	30	353000	1765	DFT-s-OFDM 16 QAM	1@1	22.56	24.19	0.2624
66	30	30	353000	1765	DFT-s-OFDM 16 QAM	1@76	22.64	24.27	0.2673
66	30	35	425500	1727.5	DFT-s-OFDM QPSK	45@22	23.3	24.93	0.3112
66	30	35	425500	1727.5	DFT-s-OFDM QPSK	1@1	23.42	25.05	0.3199
66	30	35	425500	1727.5	DFT-s-OFDM QPSK	1@90	23.65	25.28	0.3373
66	30	35	425500	1727.5	DFT-s-OFDM 16 QAM	45@22	22.39	24.02	0.2523
66	30	35	425500	1727.5	DFT-s-OFDM 16 QAM	1@1	22.52	24.15	0.2600
66	30	35	425500	1727.5	DFT-s-OFDM 16 QAM	1@90	22.67	24.3	0.2692
66	30	35	429000	1745	DFT-s-OFDM QPSK	45@22	23.36	24.99	0.3155
66	30	35	429000	1745	DFT-s-OFDM QPSK	1@1	23.63	25.26	0.3357
66	30	35	429000	1745	DFT-s-OFDM QPSK	1@90	23.7	25.33	0.3412
66	30	35	429000	1745	DFT-s-OFDM 16 QAM	45@22	22.42	24.05	0.2541
66	30	35	429000	1745	DFT-s-OFDM 16 QAM	1@1	22.58	24.21	0.2636
66	30	35	429000	1745	DFT-s-OFDM 16 QAM	1@90	22.67	24.3	0.2692
66	30	35	432500	1762.5	DFT-s-OFDM QPSK	45@22	23.36	24.99	0.3155
66	30	35	432500	1762.5	DFT-s-OFDM QPSK	1@1	23.68	25.31	0.3396
66	30	35	432500	1762.5	DFT-s-OFDM QPSK	1@90	23.88	25.51	0.3556
66	30	35	432500	1762.5	DFT-s-OFDM 16 QAM	45@22	22.42	24.05	0.2541
66	30	35	432500	1762.5	DFT-s-OFDM 16 QAM	1@1	22.55	24.18	0.2618
66	30	35	432500	1762.5	DFT-s-OFDM 16 QAM	1@90	22.61	24.24	0.2655
66	30	40	346000	1730	DFT-s-OFDM QPSK	50@25	23.35	24.98	0.3148
66	30	40	346000	1730	DFT-s-OFDM QPSK	1@1	23.41	25.04	0.3192



66	30	40	346000	1730	DFT-s-OFDM QPSK	1@104	23.77	25.4	0.3467
66	30	40	346000	1730	DFT-s-OFDM 16 QAM	50@25	22.46	24.09	0.2564
66	30	40	346000	1730	DFT-s-OFDM 16 QAM	1@1	22.51	24.14	0.2594
66	30	40	346000	1730	DFT-s-OFDM 16 QAM	1@104	22.66	24.29	0.2685
66	30	40	349000	1745	DFT-s-OFDM QPSK	50@25	23.39	25.02	0.3177
66	30	40	349000	1745	DFT-s-OFDM QPSK	1@1	23.57	25.2	0.3311
66	30	40	349000	1745	DFT-s-OFDM QPSK	1@104	23.79	25.42	0.3483
66	30	40	349000	1745	DFT-s-OFDM 16 QAM	50@25	22.39	24.02	0.2523
66	30	40	349000	1745	DFT-s-OFDM 16 QAM	1@1	22.52	24.15	0.2600
66	30	40	349000	1745	DFT-s-OFDM 16 QAM	1@104	22.68	24.31	0.2698
66	30	40	352000	1760	DFT-s-OFDM QPSK	50@25	23.36	24.99	0.3155
66	30	40	352000	1760	DFT-s-OFDM QPSK	1@1	23.68	25.31	0.3396
66	30	40	352000	1760	DFT-s-OFDM QPSK	1@104	23.94	25.57	0.3606
66	30	40	352000	1760	DFT-s-OFDM 16 QAM	50@25	22.49	24.12	0.2582
66	30	40	352000	1760	DFT-s-OFDM 16 QAM	1@1	22.51	24.14	0.2594
66	30	40	352000	1760	DFT-s-OFDM 16 QAM	1@104	22.65	24.28	0.2679
66	30	45	426500	1732.5	DFT-s-OFDM PI/2 BPSK	54@27	23.42	25.05	0.3199
66	30	45	426500	1732.5	DFT-s-OFDM PI/2 BPSK	1@1	23.29	24.92	0.3105
66	30	45	426500	1732.5	DFT-s-OFDM PI/2 BPSK	1@117	23.47	25.1	0.3236
66	30	45	426500	1732.5	DFT-s-OFDM QPSK	54@27	23.36	24.99	0.3155
66	30	45	426500	1732.5	DFT-s-OFDM QPSK	1@1	23.46	25.09	0.3228
66	30	45	426500	1732.5	DFT-s-OFDM QPSK	1@117	23.75	25.38	0.3451
66	30	45	426500	1732.5	DFT-s-OFDM 16 QAM	54@27	22.42	24.05	0.2541
66	30	45	426500	1732.5	DFT-s-OFDM 16 QAM	1@1	22.5	24.13	0.2588
66	30	45	426500	1732.5	DFT-s-OFDM 16 QAM	1@117	22.67	24.3	0.2692
66	30	45	426500	1732.5	DFT-s-OFDM 64 QAM	54@27	20.89	22.52	0.1786
66	30	45	426500	1732.5	DFT-s-OFDM 64 QAM	1@1	20.63	22.26	0.1683
66	30	45	426500	1732.5	DFT-s-OFDM 64 QAM	1@117	20.74	22.37	0.1726
66	30	45	426500	1732.5	DFT-s-OFDM 256 QAM	54@27	18.81	20.44	0.1107
66	30	45	426500	1732.5	DFT-s-OFDM 256 QAM	1@1	18.75	20.38	0.1091
66	30	45	426500	1732.5	DFT-s-OFDM 256 QAM	1@117	18.92	20.55	0.1135
66	30	45	426500	1732.5	CP-OFDM QPSK	59@29	21.81	23.44	0.2208
66	30	45	426500	1732.5	CP-OFDM QPSK	1@1	21.88	23.51	0.2244
66	30	45	426500	1732.5	CP-OFDM QPSK	1@117	22.17	23.8	0.2399
66	30	45	429000	1745	DFT-s-OFDM PI/2 BPSK	54@27	23.39	25.02	0.3177
66	30	45	429000	1745	DFT-s-OFDM PI/2 BPSK	1@1	23.33	24.96	0.3133
66	30	45	429000	1745	DFT-s-OFDM PI/2 BPSK	1@117	23.44	25.07	0.3214
66	30	45	429000	1745	DFT-s-OFDM QPSK	54@27	23.45	25.08	0.3221
66	30	45	429000	1745	DFT-s-OFDM QPSK	1@1	23.56	25.19	0.3304



66	30	45	429000	1745	DFT-s-OFDM QPSK	1@117	23.73	25.36	0.3436
66	30	45	429000	1745	DFT-s-OFDM 16 QAM	54@27	22.45	24.08	0.2559
66	30	45	429000	1745	DFT-s-OFDM 16 QAM	1@1	22.51	24.14	0.2594
66	30	45	429000	1745	DFT-s-OFDM 16 QAM	1@117	22.7	24.33	0.2710
66	30	45	429000	1745	DFT-s-OFDM 64 QAM	54@27	20.91	22.54	0.1795
66	30	45	429000	1745	DFT-s-OFDM 64 QAM	1@1	20.62	22.25	0.1679
66	30	45	429000	1745	DFT-s-OFDM 64 QAM	1@117	20.8	22.43	0.1750
66	30	45	429000	1745	DFT-s-OFDM 256 QAM	54@27	18.91	20.54	0.1132
66	30	45	429000	1745	DFT-s-OFDM 256 QAM	1@1	18.8	20.43	0.1104
66	30	45	429000	1745	DFT-s-OFDM 256 QAM	1@117	18.97	20.6	0.1148
66	30	45	429000	1745	CP-OFDM QPSK	59@29	21.89	23.52	0.2249
66	30	45	429000	1745	CP-OFDM QPSK	1@1	21.98	23.61	0.2296
66	30	45	429000	1745	CP-OFDM QPSK	1@117	22.18	23.81	0.2404
66	30	45	431500	1757.5	DFT-s-OFDM PI/2 BPSK	54@27	23.41	25.04	0.3192
66	30	45	431500	1757.5	DFT-s-OFDM PI/2 BPSK	1@1	23.32	24.95	0.3126
66	30	45	431500	1757.5	DFT-s-OFDM PI/2 BPSK	1@117	23.45	25.08	0.3221
66	30	45	431500	1757.5	DFT-s-OFDM QPSK	54@27	23.42	25.05	0.3199
66	30	45	431500	1757.5	DFT-s-OFDM QPSK	1@1	23.71	25.34	0.3420
66	30	45	431500	1757.5	DFT-s-OFDM QPSK	1@117	23.96	25.59	0.3622
66	30	45	431500	1757.5	DFT-s-OFDM 16 QAM	54@27	22.42	24.05	0.2541
66	30	45	431500	1757.5	DFT-s-OFDM 16 QAM	1@1	22.58	24.21	0.2636
66	30	45	431500	1757.5	DFT-s-OFDM 16 QAM	1@117	22.73	24.36	0.2729
66	30	45	431500	1757.5	DFT-s-OFDM 64 QAM	54@27	20.95	22.58	0.1811
66	30	45	431500	1757.5	DFT-s-OFDM 64 QAM	1@1	20.59	22.22	0.1667
66	30	45	431500	1757.5	DFT-s-OFDM 64 QAM	1@117	20.7	22.33	0.1710
66	30	45	431500	1757.5	DFT-s-OFDM 256 QAM	54@27	18.91	20.54	0.1132
66	30	45	431500	1757.5	DFT-s-OFDM 256 QAM	1@1	18.75	20.38	0.1091
66	30	45	431500	1757.5	DFT-s-OFDM 256 QAM	1@117	18.88	20.51	0.1125
66	30	45	431500	1757.5	CP-OFDM QPSK	59@29	21.86	23.49	0.2234
66	30	45	431500	1757.5	CP-OFDM QPSK	1@1	22.04	23.67	0.2328
66	30	45	431500	1757.5	CP-OFDM QPSK	1@117	22.27	23.9	0.2455



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Shunping You	Temperature :	22~25°C
		Relative Humidity :	48~52%

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

n2 SA / NR 20MHz / QPSK(ANT1)									
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	3722	-63.59	-13	-50.59	-78.36	-70.34	5.85	12.60	H
	5583	-61.13	-13	-48.13	-78.99	-66.93	7.30	13.10	H
	7444	-56.64	-13	-43.64	-79.32	-59.79	8.35	11.50	H
	3722	-63.46	-13	-50.46	-78.49	-70.21	5.85	12.60	V
	5583	-62.56	-13	-49.56	-80.39	-68.36	7.30	13.10	V
	7444	-56.72	-13	-43.72	-79.39	-59.87	8.35	11.50	V

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

EN-DC_13A_n2A / LTE 10MHz + NR 20MHz / QPSK (ANT1+1)									
Channel	Frequency (MHz)	ERP/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 n2 Middle	3721.4	-57.38	-13	-44.38	-72.15	-64.13	5.85	12.60	H
	5582.1	-61.87	-13	-48.87	-79.73	-67.67	7.30	13.10	H
	7442.8	-56.07	-13	-43.07	-78.76	-59.22	8.35	11.50	H
	3721.4	-52.55	-13	-39.55	-67.58	-59.30	5.85	12.60	V
	5582.1	-58.04	-13	-45.04	-75.87	-63.84	7.30	13.10	V
	7442.8	-55.56	-13	-42.56	-78.24	-58.71	8.35	11.50	V
LTE Band13 Middle	1555	-56.34	-13	-43.34	-63.20	-59.59	4.00	9.40	H
	2332.5	-48.91	-13	-35.91	-59.77	-52.48	4.88	10.60	H
	3110	-62.53	-13	-49.53	-75.47	-67.46	5.52	12.60	H
	1555	-54.35	-13	-41.35	-61.42	-57.60	4.00	9.40	V
	2332.5	-52.09	-13	-39.09	-63.34	-55.66	4.88	10.60	V
	3110	-62.05	-13	-49.05	-75.50	-66.98	5.52	12.60	V

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



n5 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	1649.35	-55.51	-13	-42.51	-61.82	-58.76	4.00	9.40	H
	2474.03	-64.78	-13	-51.78	-75.18	-68.35	4.88	10.60	H
	3298.7	-63.42	-13	-50.42	-75.94	-68.35	5.52	12.60	H
	1649.35	-58.84	-13	-45.84	-65.03	-62.09	4.00	9.40	V
	2474.03	-64.63	-13	-51.63	-75.38	-68.20	4.88	10.60	V
	3298.7	-63.05	-13	-50.05	-76.02	-67.98	5.52	12.60	V

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

EN-DC_48A_n5A / LTE 10MHz + NR 20MHz / QPSK (ANT2+1)									
Channel	Frequency (MHz)	ERP/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 n5 Middle	1649.35	-49.99	-13	-36.99	-56.30	-53.24	4.00	9.40	H
	2474.03	-64.67	-13	-51.67	-75.07	-68.24	4.88	10.60	H
	3298.7	-60.91	-13	-47.91	-73.43	-65.84	5.52	12.60	H
	1649.35	-48.73	-13	-35.73	-54.92	-51.98	4.00	9.40	V
	2474.03	-64.20	-13	-51.20	-74.95	-67.77	4.88	10.60	V
	3298.7	-62.44	-13	-49.44	-75.41	-67.37	5.52	12.60	V
LTE Band48 Middle	7232.00	-59.58	-40	-19.58	-55.99	-62.88	8.30	11.60	H
	10848.00	-54.29	-40	-14.29	-56.86	-55.81	10.48	12.00	H
	14464.00	-48.64	-40	-8.64	-56.59	-50.34	11.80	13.50	H
	7232.00	-59.62	-40	-19.62	-56.07	-62.92	8.30	11.60	V
	10848.00	-55.26	-40	-15.26	-57.59	-56.78	10.48	12.00	V
	14464.00	-48.96	-40	-8.96	-56.70	-50.66	11.80	13.50	V

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

EN-DC_2A_n5A / LTE 10MHz + NR 20MHz / QPSK (ANT5+1)									
Channel	Frequency (MHz)	ERP/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 n5 Middle	1649.35	-64.83	-13	-51.83	-74.34	-68.08	4.00	9.40	H
	2474.03	-63.01	-13	-50.01	-76.91	-66.58	4.88	10.60	H
	3298.7	-62.43	-13	-49.43	-78.49	-67.36	5.52	12.60	H
	1649.35	-65.89	-13	-52.89	-75.14	-69.14	4.00	9.40	V
	2474.03	-63.47	-13	-50.47	-77.34	-67.04	4.88	10.60	V
	3298.7	-62.96	-13	-49.96	-78.83	-67.89	5.52	12.60	V
LTE Band2 Middle	3751	-47.37	-13	-34.37	-65.49	-54.12	5.85	12.60	H
	5626.5	-53.57	-13	-40.57	-76.02	-59.37	7.30	13.10	H
	7502	-55.95	-13	-42.95	-81.85	-59.10	8.35	11.50	H
	3751	-45.13	-13	-32.13	-63.18	-51.88	5.85	12.60	V
	5626.5	-43.62	-13	-30.62	-65.79	-49.42	7.30	13.10	V
	7502	-54.62	-13	-41.62	-80.51	-57.77	8.35	11.50	V

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



EN-DC_66A_n5A / LTE 10MHz + NR 20MHz / QPSK (ANT2+1)									
Channel	Frequency (MHz)	ERP/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 n5 Middle	1649.35	-65.13	-13	-52.13	-74.64	-68.38	4.00	9.40	H
	2474.03	-63.16	-13	-50.16	-77.06	-66.73	4.88	10.60	H
	3298.7	-62.32	-13	-49.32	-78.38	-67.25	5.52	12.60	H
	1649.35	-66.44	-13	-53.44	-75.69	-69.69	4.00	9.40	V
	2474.03	-63.36	-13	-50.36	-77.23	-66.93	4.88	10.60	V
	3298.7	-62.93	-13	-49.93	-78.80	-67.86	5.52	12.60	V
LTE Band66 Middle	3481	-50.89	-13	-37.89	-67.70	-57.64	5.85	12.60	H
	5221.5	-58.91	-13	-45.91	-80.41	-64.71	7.30	13.10	H
	6962	-56.96	-13	-43.96	-82.47	-60.11	8.35	11.50	H
	3481	-53.87	-13	-40.87	-70.67	-60.62	5.85	12.60	V
	5221.5	-57.28	-13	-44.28	-79.03	-63.08	7.30	13.10	V
	6962	-56.65	-13	-43.65	-82.62	-59.80	8.35	11.50	V

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

n66 SA / NR 40MHz / QPSK(ANT1)									
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	3447	-63.77	-13	-50.77	-76.48	-70.62	5.65	12.50	H
	5170.5	-61.63	-13	-48.63	-79.56	-67.30	7.13	12.80	H
	6894	-58.21	-13	-45.21	-78.86	-61.61	8.40	11.80	H
	3447	-62.66	-13	-49.66	-75.93	-69.51	5.65	12.50	V
	5170.5	-61.60	-13	-48.60	-79.48	-67.27	7.13	12.80	V
	6894	-59.20	-13	-46.20	-79.76	-62.60	8.40	11.80	V

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

EN-DC_13A_n66A / LTE 10MHz + NR 20MHz / QPSK (ANT1+1)									
Channel	Frequency (MHz)	ERP/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	3447	-59.64	-13	-46.64	-72.35	-66.49	5.65	12.50	H
	5170.5	-60.08	-13	-47.08	-78.01	-65.75	7.13	12.80	H
	6894	-58.41	-13	-45.41	-79.06	-61.81	8.40	11.80	H
	3447	-58.09	-13	-45.09	-71.36	-64.94	5.65	12.50	V
	5170.5	-60.38	-13	-47.38	-78.26	-66.05	7.13	12.80	V
	6894	-58.41	-13	-45.41	-78.97	-61.81	8.40	11.80	V
LTE Band13 Middle	1555	-63.67	-13	-50.67	-70.53	-66.92	4.00	9.40	H
	2332.5	-53.21	-13	-40.21	-64.07	-56.78	4.88	10.60	H
	3110	-62.53	-13	-49.53	-75.47	-67.46	5.52	12.60	H
	1555	-62.99	-13	-49.99	-70.06	-66.24	4.00	9.40	V
	2332.5	-56.93	-13	-43.93	-68.18	-60.50	4.88	10.60	V
	3110	-62.14	-13	-49.14	-75.59	-67.07	5.52	12.60	V

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