



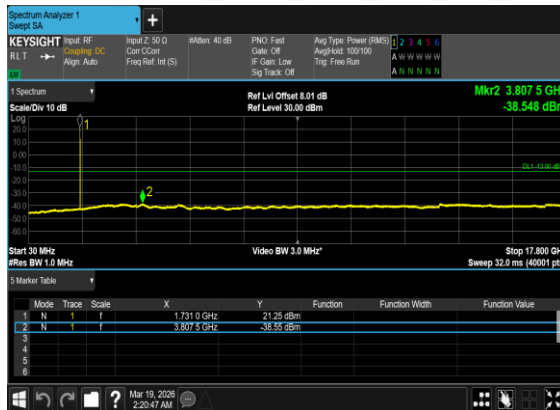
N66(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



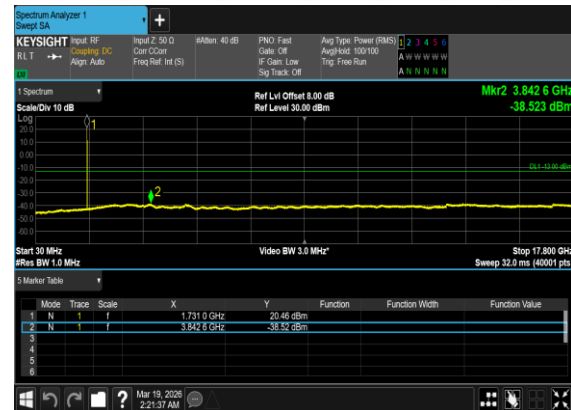
N66(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N66(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

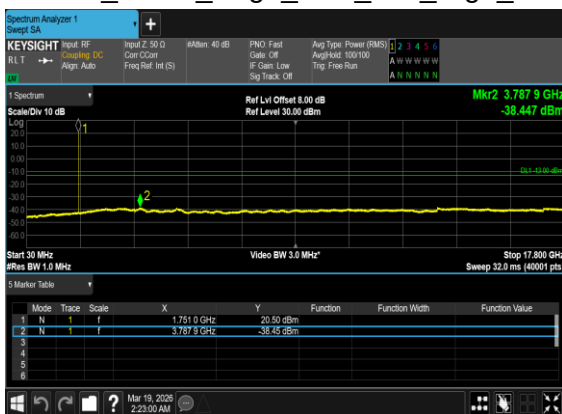


N66(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

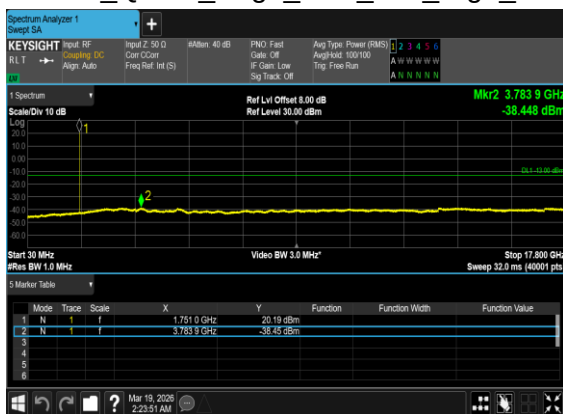




N66(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N66(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH





Conducted Band Edge

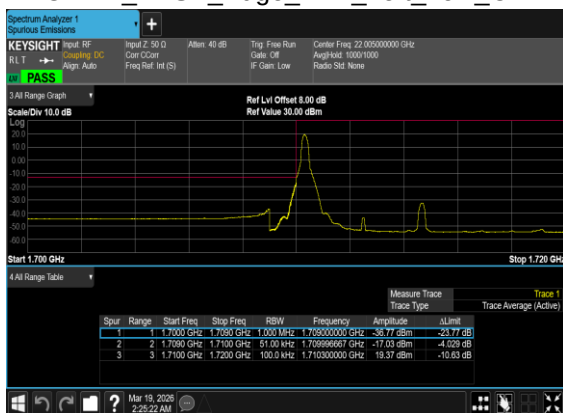
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
66	15	5	342500	1712.5	DFT-s-OFDM QPSK	25@0	see graph	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	30	345000	1725.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
66	15	30	345000	1725.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
66	15	30	345000	1725.0	DFT-s-OFDM BPSK	160@0	see graph	PASS
66	15	30	345000	1725.0	DFT-s-OFDM QPSK	160@0	see graph	PASS



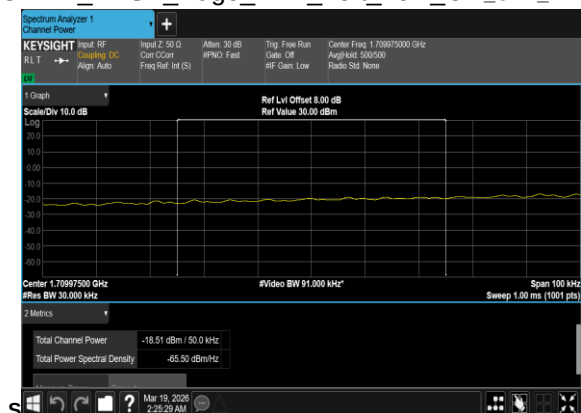
66	15	30	353000	1765.0	DFT-s-OFDM BPSK	1@159	see graph	PASS
66	15	30	353000	1765.0	DFT-s-OFDM QPSK	1@159	see graph	PASS
66	15	30	353000	1765.0	DFT-s-OFDM BPSK	160@0	see graph	PASS
66	15	30	353000	1765.0	DFT-s-OFDM QPSK	160@0	see graph	PASS



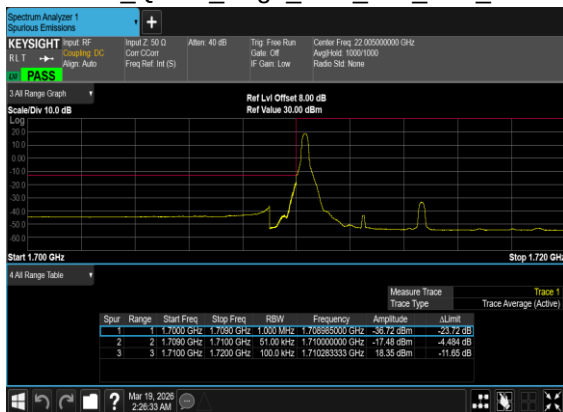
N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



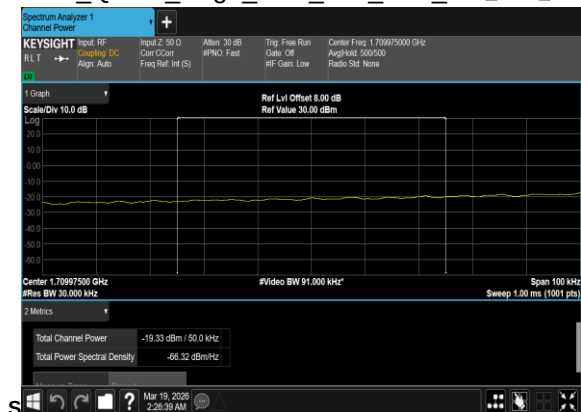
N66(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PAS



N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH

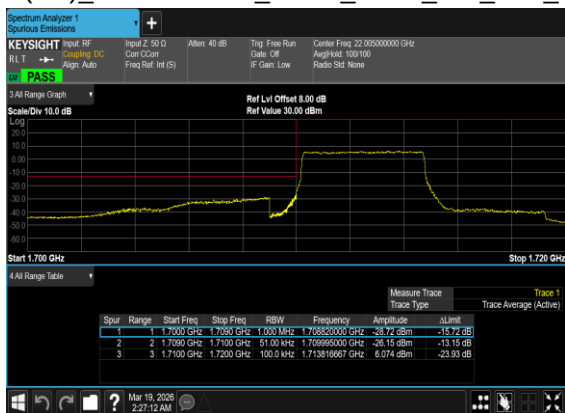


N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PAS

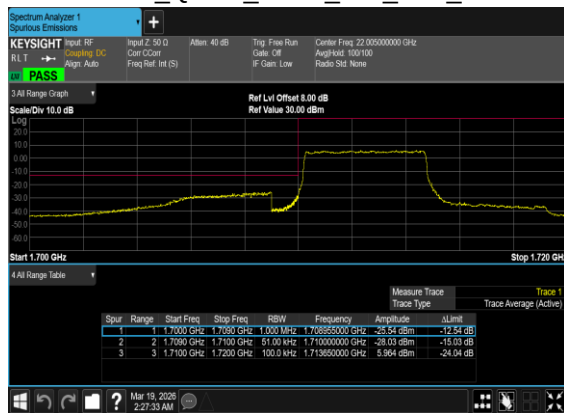




N66(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N66(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N66(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH

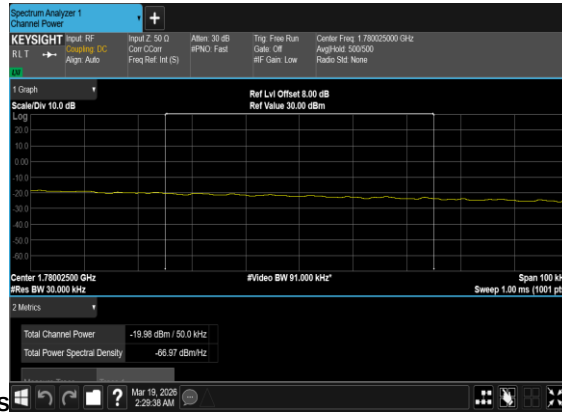


N66(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH





N66(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PAS



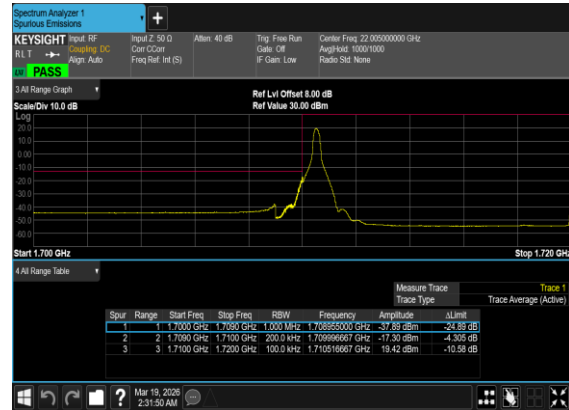
N66(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N66(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

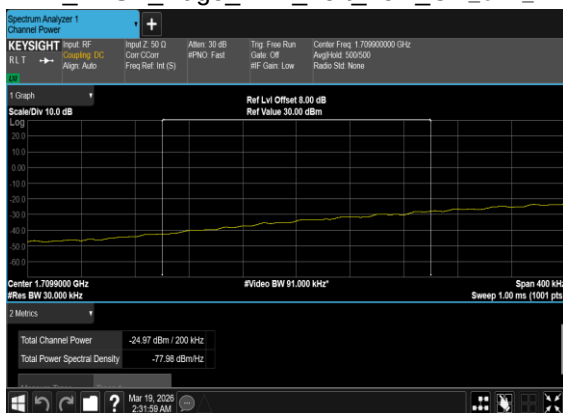


N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH

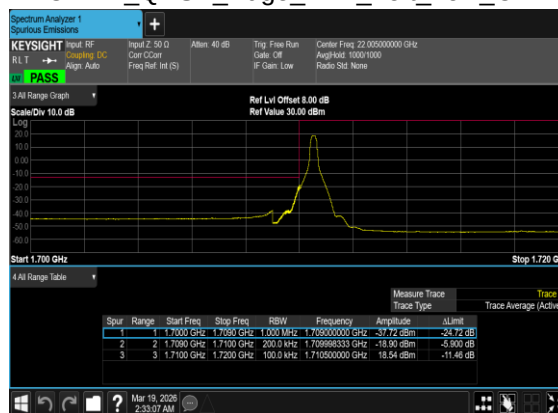




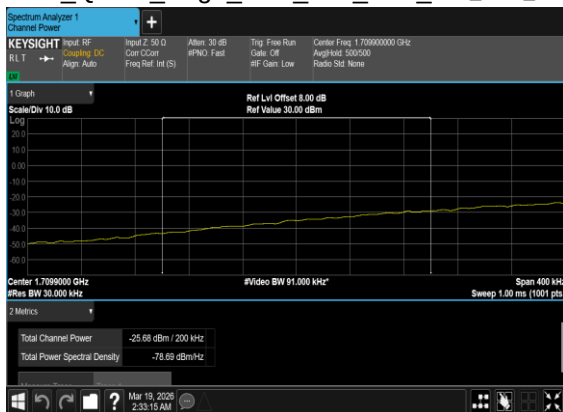
N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



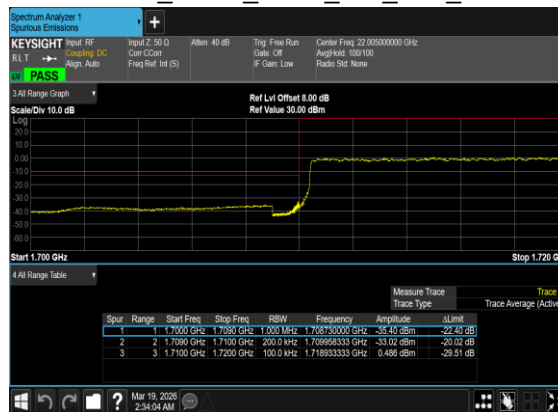
N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS

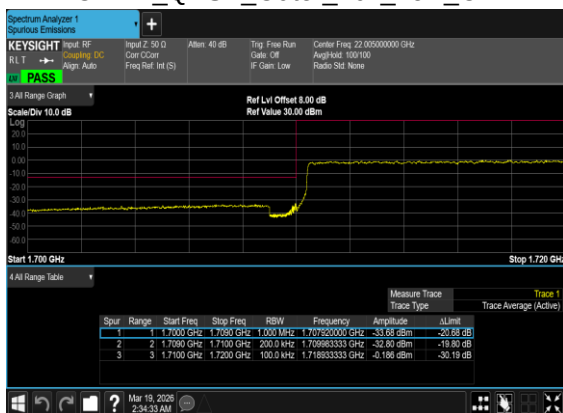


N66(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

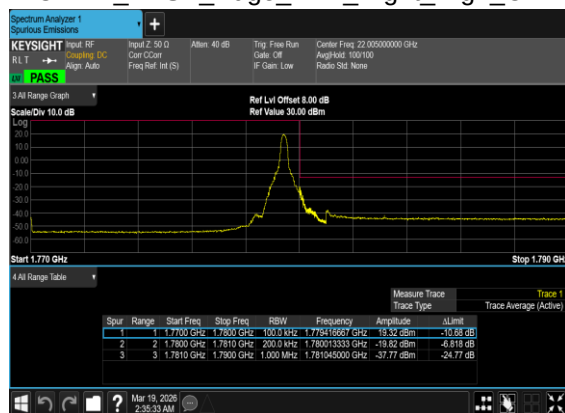




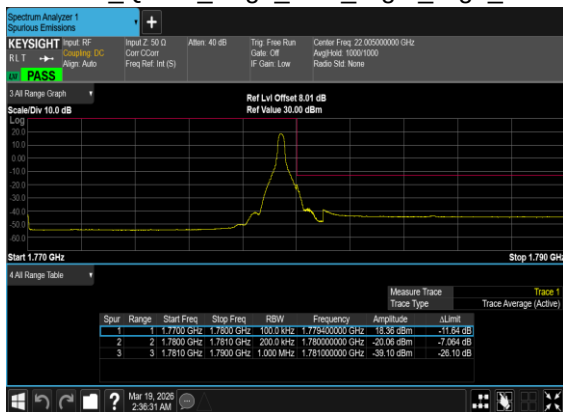
N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



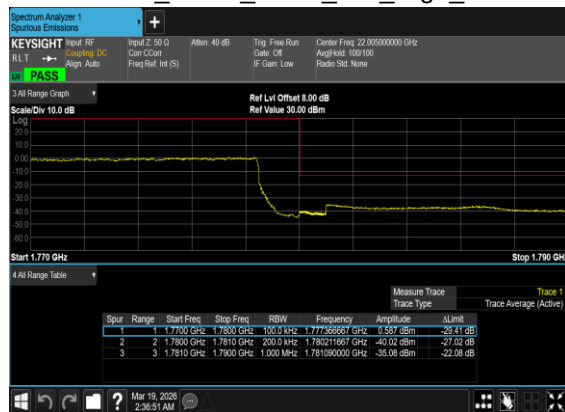
N66(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N66(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH

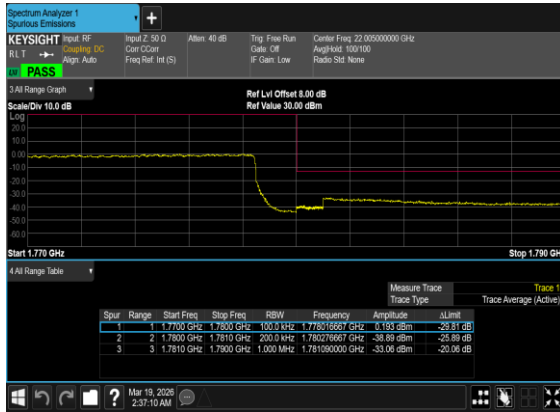


N66(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

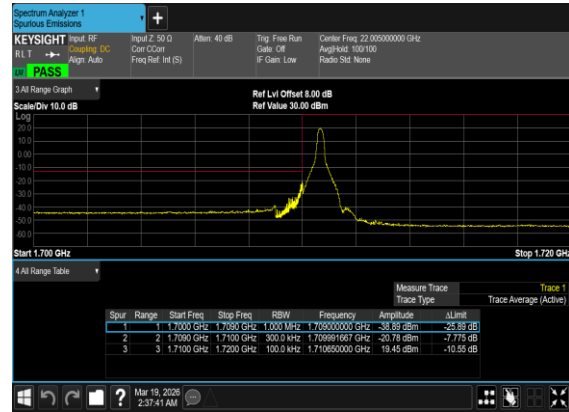




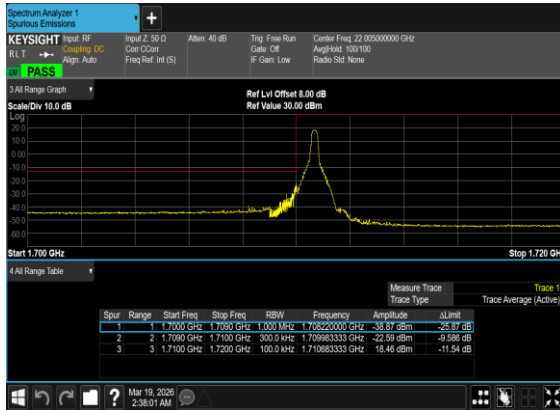
N66(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



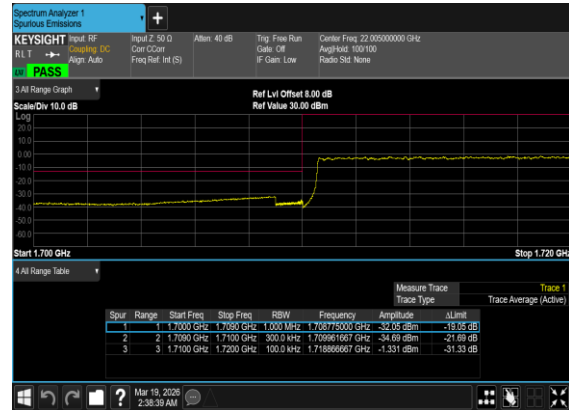
N66(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N66(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N66(30M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

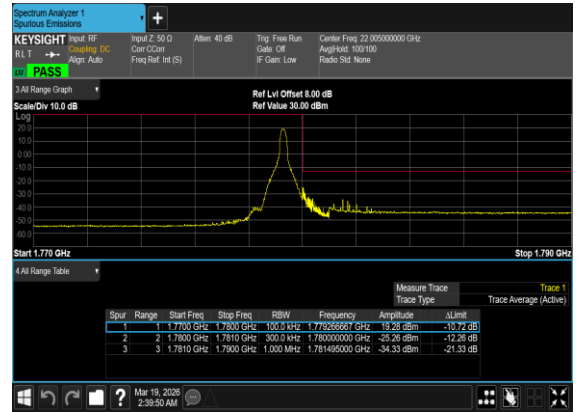




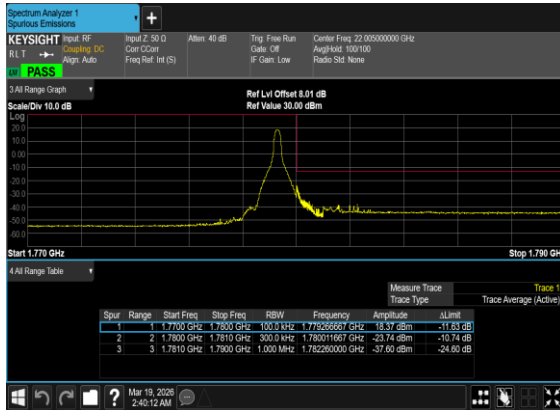
N66(30M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N66(30M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N66(30M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH

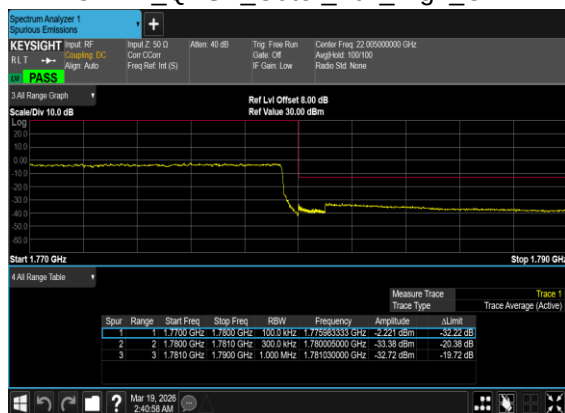


N66(30M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH





N66(30M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





FR1 N71-Ant 0

Transmitter Conducted Output Power And ERP, ($G_T - L_C$)= -1.60 dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
71	15	5	133100	665.5	DFT-s-OFDM QPSK	12@6	22.22	18.47	0.0703
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@1	22.36	18.61	0.0726
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@23	22.16	18.41	0.0693
71	15	5	133100	665.5	DFT-s-OFDM 16 QAM	12@6	21.16	17.41	0.0551
71	15	5	133100	665.5	DFT-s-OFDM 16 QAM	1@1	21.37	17.62	0.0578
71	15	5	133100	665.5	DFT-s-OFDM 16 QAM	1@23	21.26	17.51	0.0564
71	15	5	136100	680.5	DFT-s-OFDM QPSK	12@6	22.06	18.31	0.0678
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@1	22.02	18.27	0.0671
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@23	22.08	18.33	0.0681
71	15	5	136100	680.5	DFT-s-OFDM 16 QAM	12@6	20.97	17.22	0.0527
71	15	5	136100	680.5	DFT-s-OFDM 16 QAM	1@1	21.13	17.38	0.0547
71	15	5	136100	680.5	DFT-s-OFDM 16 QAM	1@23	21.16	17.41	0.0551
71	15	5	139100	695.5	DFT-s-OFDM QPSK	12@6	22.07	18.32	0.0679
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@1	22.1	18.35	0.0684
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@23	22.07	18.32	0.0679
71	15	5	139100	695.5	DFT-s-OFDM 16 QAM	12@6	20.99	17.24	0.0530
71	15	5	139100	695.5	DFT-s-OFDM 16 QAM	1@1	21.11	17.36	0.0545
71	15	5	139100	695.5	DFT-s-OFDM 16 QAM	1@23	21.15	17.4	0.0550
71	15	10	133600	668	DFT-s-OFDM QPSK	25@12	22.11	18.36	0.0685
71	15	10	133600	668	DFT-s-OFDM QPSK	1@1	22.3	18.55	0.0716
71	15	10	133600	668	DFT-s-OFDM QPSK	1@50	22.01	18.26	0.0670
71	15	10	133600	668	DFT-s-OFDM 16 QAM	25@12	21.11	17.36	0.0545
71	15	10	133600	668	DFT-s-OFDM 16 QAM	1@1	21.41	17.66	0.0583
71	15	10	133600	668	DFT-s-OFDM 16 QAM	1@50	21.08	17.33	0.0541
71	15	10	136100	680.5	DFT-s-OFDM QPSK	25@12	22.07	18.32	0.0679
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@1	22.06	18.31	0.0678
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@50	22.14	18.39	0.0690
71	15	10	136100	680.5	DFT-s-OFDM 16 QAM	25@12	21.13	17.38	0.0547
71	15	10	136100	680.5	DFT-s-OFDM 16 QAM	1@1	21.13	17.38	0.0547
71	15	10	136100	680.5	DFT-s-OFDM 16 QAM	1@50	21.2	17.45	0.0556
71	15	10	138600	693	DFT-s-OFDM QPSK	25@12	22.07	18.32	0.0679
71	15	10	138600	693	DFT-s-OFDM QPSK	1@1	22.06	18.31	0.0678
71	15	10	138600	693	DFT-s-OFDM QPSK	1@50	22.05	18.3	0.0676
71	15	10	138600	693	DFT-s-OFDM 16 QAM	25@12	21.08	17.33	0.0541
71	15	10	138600	693	DFT-s-OFDM 16 QAM	1@1	21.17	17.42	0.0552



71	15	10	138600	693	DFT-s-OFDM 16 QAM	1@50	21.1	17.35	0.0543
71	15	15	134100	670.5	DFT-s-OFDM QPSK	36@18	22.07	18.32	0.0679
71	15	15	134100	670.5	DFT-s-OFDM QPSK	1@1	22.36	18.61	0.0726
71	15	15	134100	670.5	DFT-s-OFDM QPSK	1@77	22.01	18.26	0.0670
71	15	15	134100	670.5	DFT-s-OFDM 16 QAM	36@18	21.15	17.4	0.0550
71	15	15	134100	670.5	DFT-s-OFDM 16 QAM	1@1	21.35	17.6	0.0575
71	15	15	134100	670.5	DFT-s-OFDM 16 QAM	1@77	21.06	17.31	0.0538
71	15	15	136100	680.5	DFT-s-OFDM QPSK	36@18	22.07	18.32	0.0679
71	15	15	136100	680.5	DFT-s-OFDM QPSK	1@1	22.02	18.27	0.0671
71	15	15	136100	680.5	DFT-s-OFDM QPSK	1@77	22.1	18.35	0.0684
71	15	15	136100	680.5	DFT-s-OFDM 16 QAM	36@18	21.12	17.37	0.0546
71	15	15	136100	680.5	DFT-s-OFDM 16 QAM	1@1	21.1	17.35	0.0543
71	15	15	136100	680.5	DFT-s-OFDM 16 QAM	1@77	21.2	17.45	0.0556
71	15	15	138100	690.5	DFT-s-OFDM QPSK	36@18	22.13	18.38	0.0689
71	15	15	138100	690.5	DFT-s-OFDM QPSK	1@1	22.07	18.32	0.0679
71	15	15	138100	690.5	DFT-s-OFDM QPSK	1@77	21.99	18.24	0.0667
71	15	15	138100	690.5	DFT-s-OFDM 16 QAM	36@18	21.11	17.36	0.0545
71	15	15	138100	690.5	DFT-s-OFDM 16 QAM	1@1	21.08	17.33	0.0541
71	15	15	138100	690.5	DFT-s-OFDM 16 QAM	1@77	21.04	17.29	0.0536
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	50@25	22.15	18.4	0.0692
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@1	22.29	18.54	0.0714
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@104	22.03	18.28	0.0673
71	15	20	134600	673	DFT-s-OFDM QPSK	50@25	22.15	18.4	0.0692
71	15	20	134600	673	DFT-s-OFDM QPSK	1@1	22.37	18.62	0.0728
71	15	20	134600	673	DFT-s-OFDM QPSK	1@104	22.1	18.35	0.0684
71	15	20	134600	673	DFT-s-OFDM 16 QAM	50@25	21.13	17.38	0.0547
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@1	21.48	17.73	0.0593
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@104	21.15	17.4	0.0550
71	15	20	134600	673	DFT-s-OFDM 64 QAM	50@25	19.67	15.92	0.0391
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@1	19.91	16.16	0.0413
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@104	19.71	15.96	0.0394
71	15	20	134600	673	DFT-s-OFDM 256 QAM	50@25	17.57	13.82	0.0241
71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@1	17.61	13.86	0.0243
71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@104	17.48	13.73	0.0236
71	15	20	134600	673	CP-OFDM QPSK	53@26	20.6	16.85	0.0484
71	15	20	134600	673	CP-OFDM QPSK	1@1	20.91	17.16	0.0520
71	15	20	134600	673	CP-OFDM QPSK	1@104	20.63	16.88	0.0488
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	50@25	22.24	18.49	0.0706
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	22.03	18.28	0.0673
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@104	22.08	18.33	0.0681
71	15	20	136100	680.5	DFT-s-OFDM QPSK	50@25	22.25	18.5	0.0708



71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@1	22.18	18.43	0.0697
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@104	22.18	18.43	0.0697
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	50@25	21.18	17.43	0.0553
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@1	21.18	17.43	0.0553
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@104	21.25	17.5	0.0562
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	50@25	19.74	15.99	0.0397
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@1	19.71	15.96	0.0394
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@104	19.78	16.03	0.0401
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	50@25	17.59	13.84	0.0242
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@1	17.42	13.67	0.0233
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@104	17.48	13.73	0.0236
71	15	20	136100	680.5	CP-OFDM QPSK	53@26	20.68	16.93	0.0493
71	15	20	136100	680.5	CP-OFDM QPSK	1@1	20.72	16.97	0.0498
71	15	20	136100	680.5	CP-OFDM QPSK	1@104	20.73	16.98	0.0499
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	50@25	22.25	18.5	0.0708
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	1@1	22.1	18.35	0.0684
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	1@104	21.98	18.23	0.0665
71	15	20	137600	688	DFT-s-OFDM QPSK	50@25	22.22	18.47	0.0703
71	15	20	137600	688	DFT-s-OFDM QPSK	1@1	22.14	18.39	0.0690
71	15	20	137600	688	DFT-s-OFDM QPSK	1@104	22.08	18.33	0.0681
71	15	20	137600	688	DFT-s-OFDM 16 QAM	50@25	21.26	17.51	0.0564
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@1	21.22	17.47	0.0558
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@104	21.19	17.44	0.0555
71	15	20	137600	688	DFT-s-OFDM 64 QAM	50@25	19.71	15.96	0.0394
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@1	19.72	15.97	0.0395
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@104	19.66	15.91	0.0390
71	15	20	137600	688	DFT-s-OFDM 256 QAM	50@25	17.66	13.91	0.0246
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@1	17.48	13.73	0.0236
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@104	17.43	13.68	0.0233
71	15	20	137600	688	CP-OFDM QPSK	53@26	20.75	17	0.0501
71	15	20	137600	688	CP-OFDM QPSK	1@1	20.77	17.02	0.0504
71	15	20	137600	688	CP-OFDM QPSK	1@104	20.62	16.87	0.0486



FR1 N71

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	12.9	PASS	NV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	9.9	PASS	LV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	7.6	PASS	HV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	10.0	PASS	-30℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	8.7	PASS	-20℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	7.9	PASS	-10℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	9.6	PASS	0℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	12.1	PASS	10℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	12.2	PASS	20℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	12.9	PASS	30℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	13.7	PASS	40℃
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	16.5	PASS	50℃

|MAX(Δf)| = 16.5 Hz

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	663.5693835	$\geq 663 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	697.4316165	$\leq 698 \text{ MHz}$	

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	4.64	13	PASS
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	5.65	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

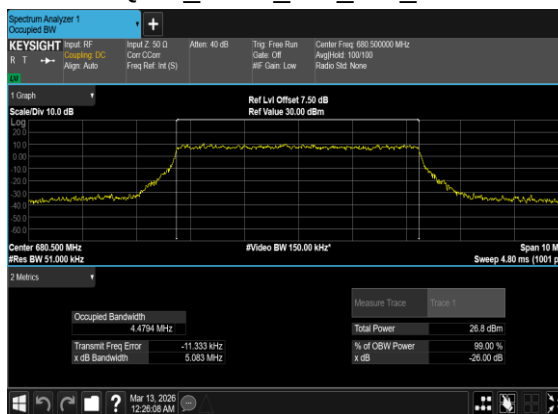
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
71	15	5	136100	680.5	CP-OFDM QPSK	25@0	4.4841	5.059
71	15	5	136100	680.5	CP-OFDM 16 QAM	25@0	4.4794	5.083
71	15	5	136100	680.5	CP-OFDM 64 QAM	25@0	4.4659	5.045
71	15	5	136100	680.5	CP-OFDM 256 QAM	25@0	4.4847	5.128
71	15	10	136100	680.5	CP-OFDM QPSK	52@0	9.2931	10.13
71	15	10	136100	680.5	CP-OFDM 16 QAM	52@0	9.2979	9.947
71	15	10	136100	680.5	CP-OFDM 64 QAM	52@0	9.2758	9.99
71	15	10	136100	680.5	CP-OFDM 256 QAM	52@0	9.2937	10.05
71	15	15	136100	680.5	CP-OFDM QPSK	79@0	14.101	14.91
71	15	15	136100	680.5	CP-OFDM 16 QAM	79@0	14.116	14.83
71	15	15	136100	680.5	CP-OFDM 64 QAM	79@0	14.099	14.88
71	15	15	136100	680.5	CP-OFDM 256 QAM	79@0	14.096	14.89
71	15	20	136100	680.5	CP-OFDM QPSK	106@0	18.92	19.87
71	15	20	136100	680.5	CP-OFDM 16 QAM	106@0	18.952	19.83
71	15	20	136100	680.5	CP-OFDM 64 QAM	106@0	18.925	19.82
71	15	20	136100	680.5	CP-OFDM 256 QAM	106@0	18.937	19.89



N71(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



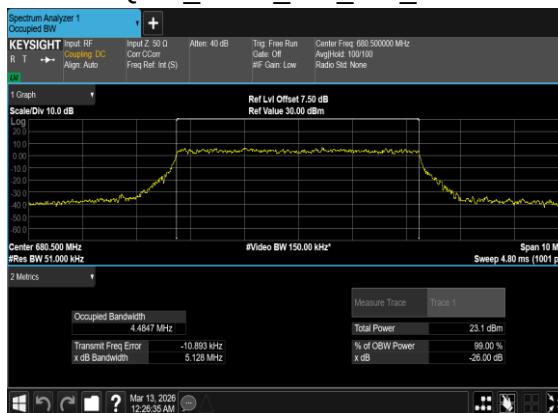
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QAM_Outer_Full_Mid_CH



N71(5M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N71(5M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

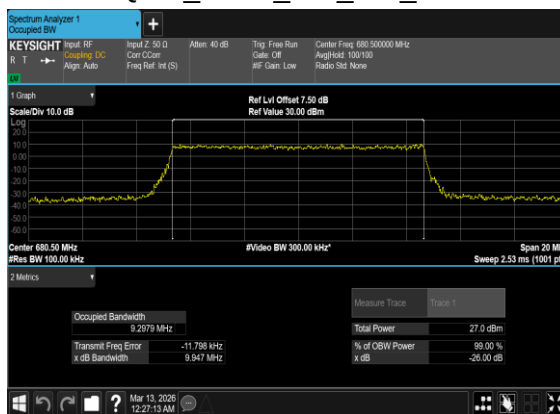




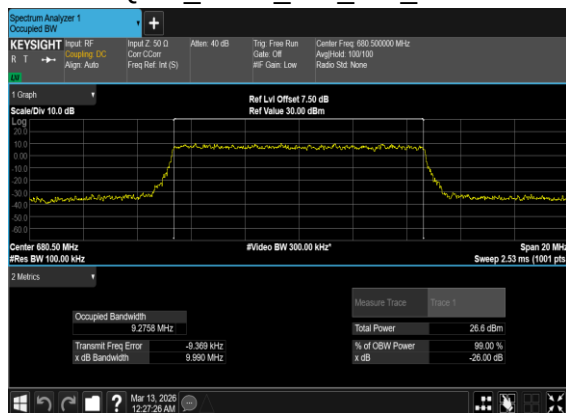
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OFDM_QPSK_Outer_Full_Mid_CH



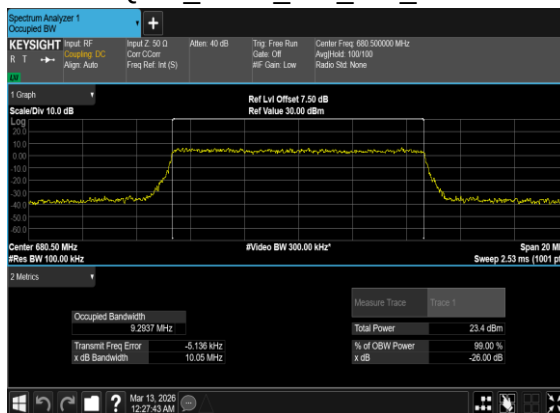
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QAM_Outer_Full_Mid_CH



N71(10M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH

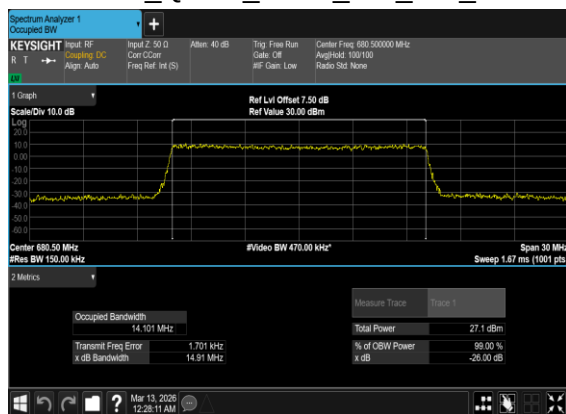


N71(10M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

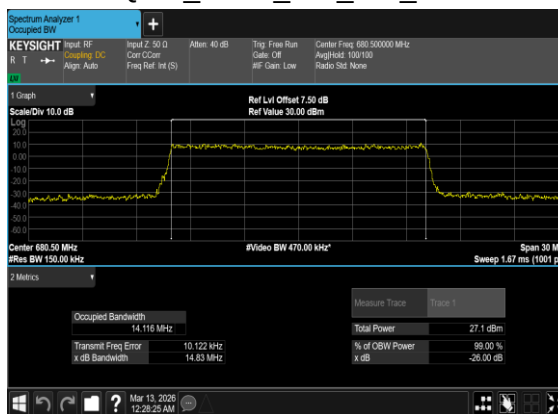




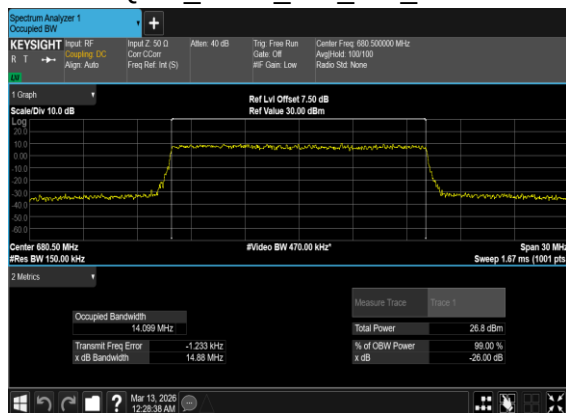
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OFDM_QPSK_Outer_Full_Mid_CH



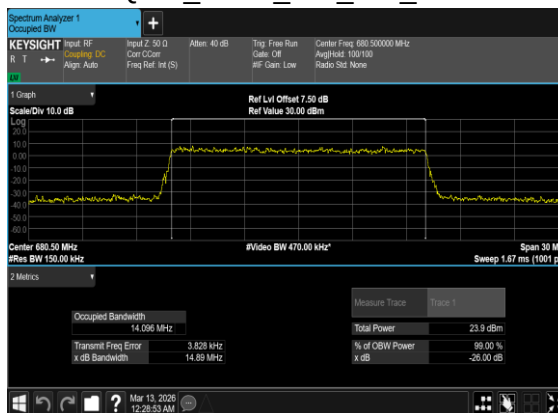
N71(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



N71(15M)_CP-OFDM_64
QAM_Outer_Full_Mid_CH



N71(15M)_CP-OFDM_256
QAM_Outer_Full_Mid_CH

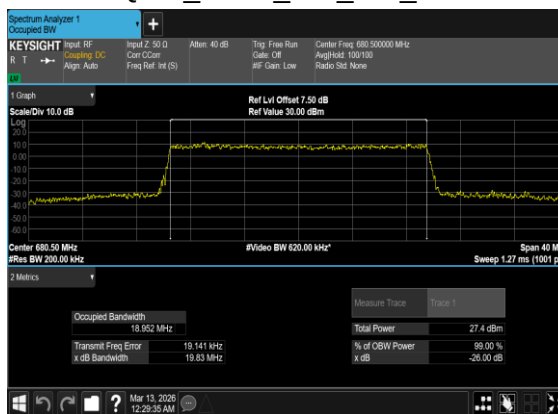




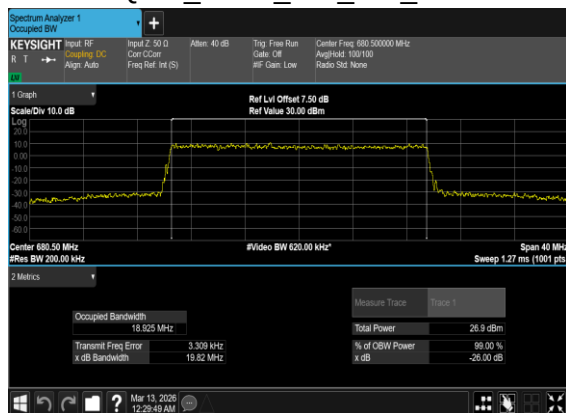
N71(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



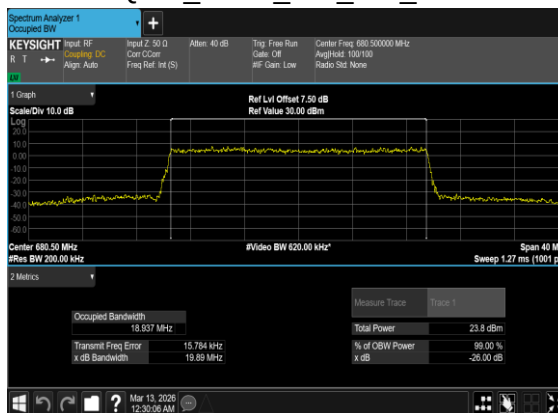
N71(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



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



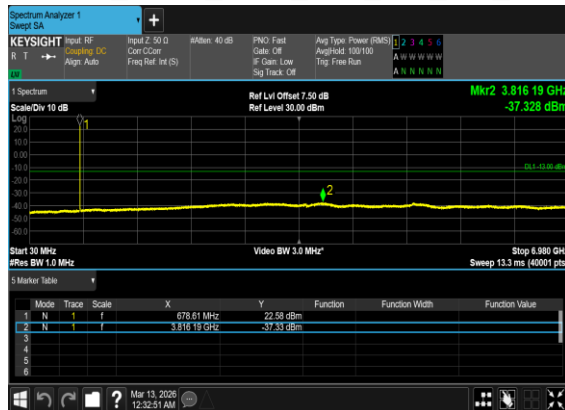
N71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



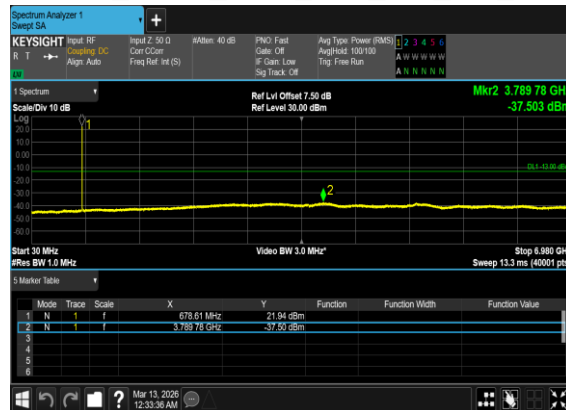
N71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH





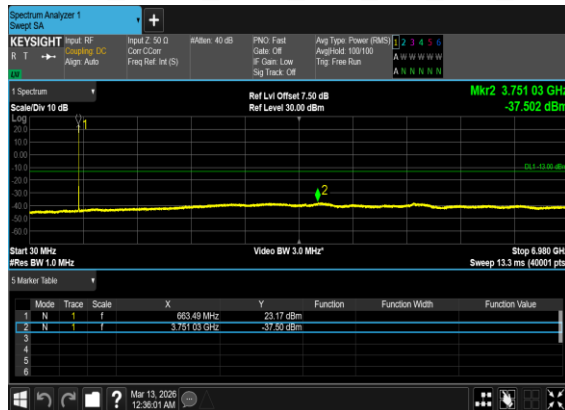
N71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



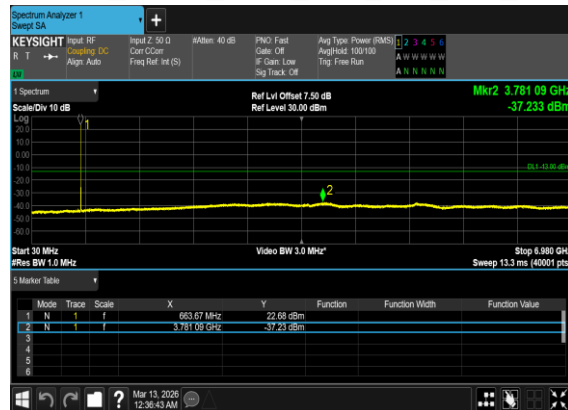
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OFDM_QPSK_Edge_1RB_Left_High_CH



N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH





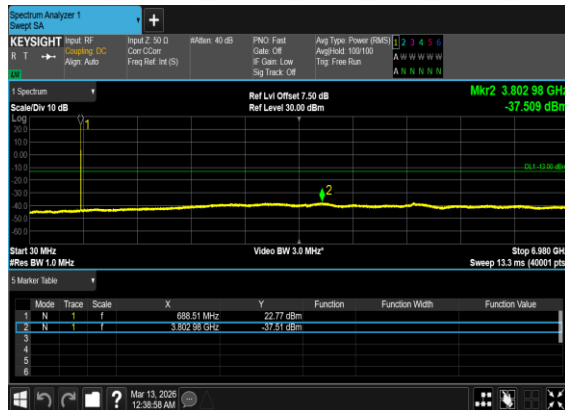
N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



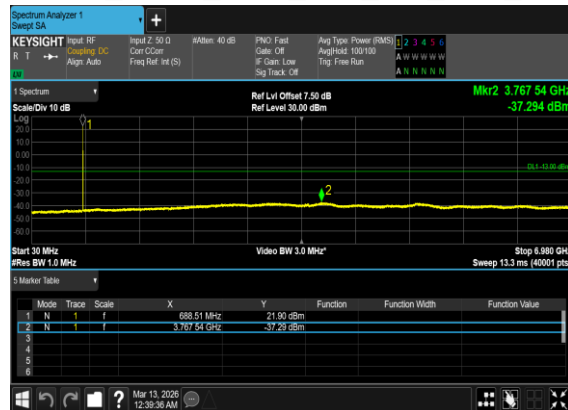
N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH





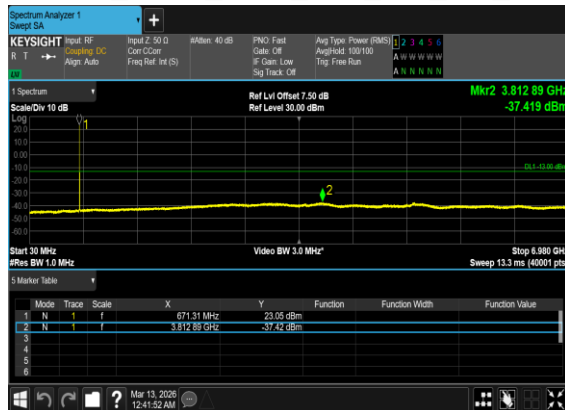
N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



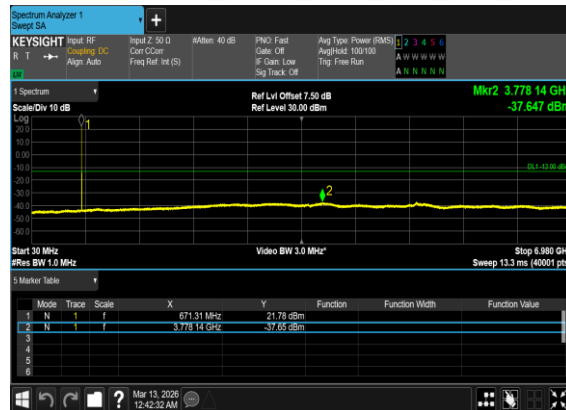
N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH

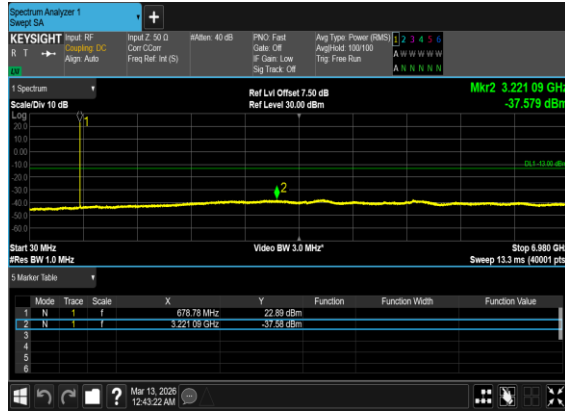


N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

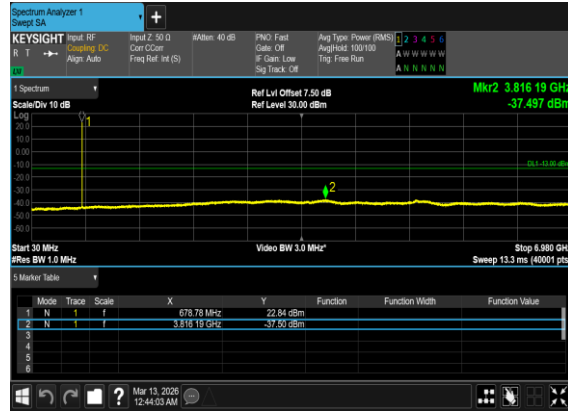




N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH





Conducted Band Edge

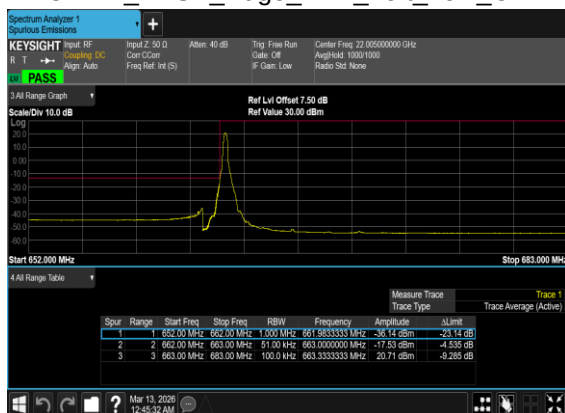
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
71	15	5	133100	665.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
71	15	5	133100	665.5	DFT-s-OFDM QPSK	25@0	see graph	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



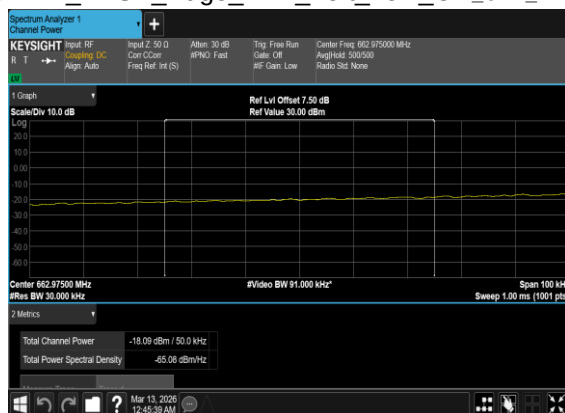
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71	15	20	137600	688.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
71	15	20	137600	688.0	DFT-s-OFDM QPSK	100@0	see graph	PASS



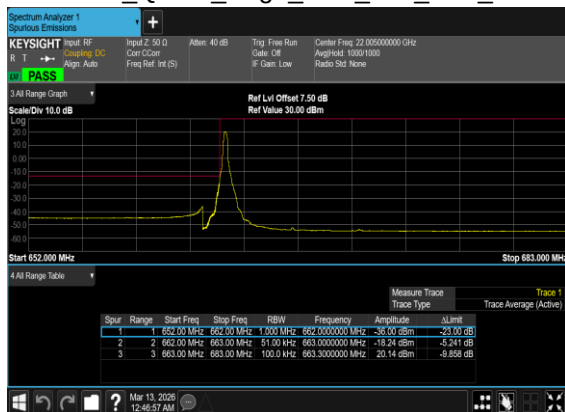
N71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



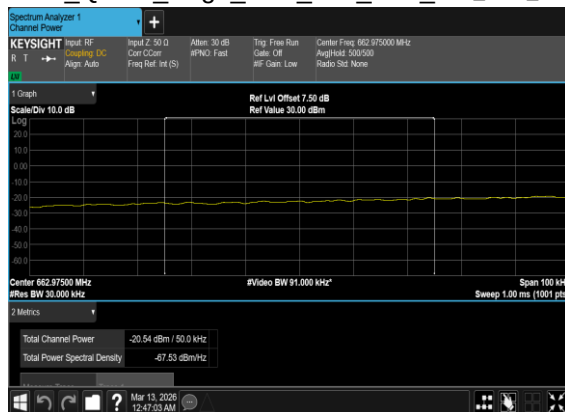
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OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS

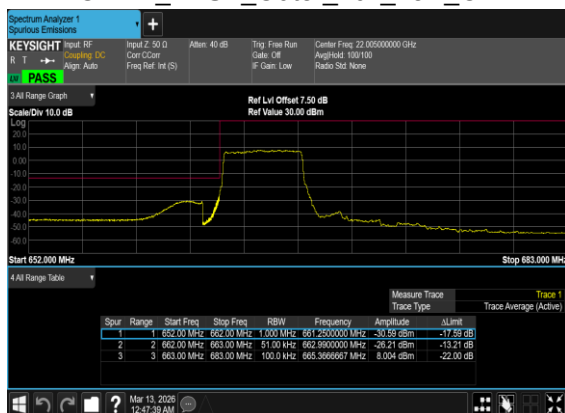
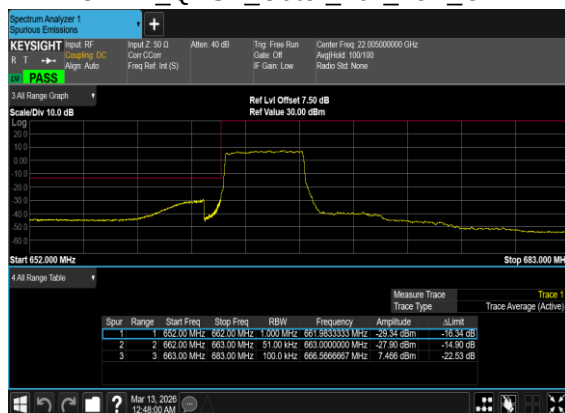
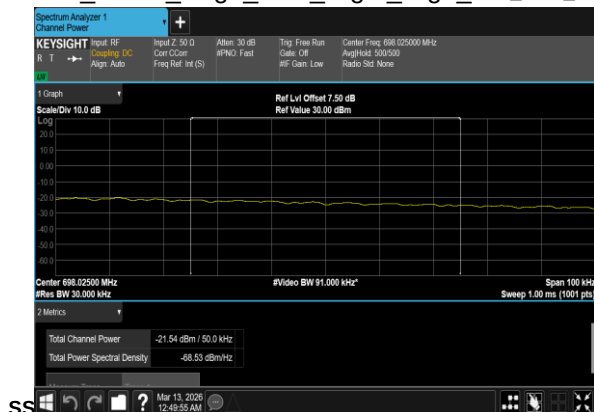


N71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



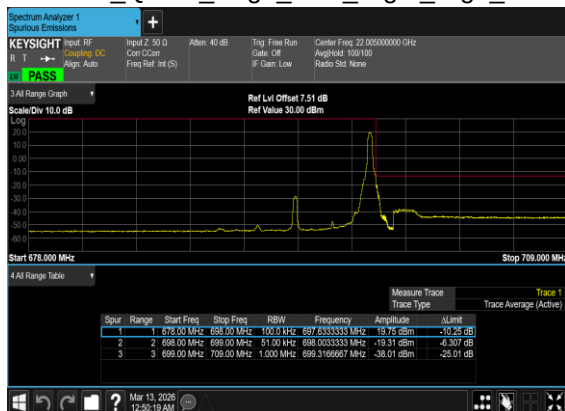
N71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS



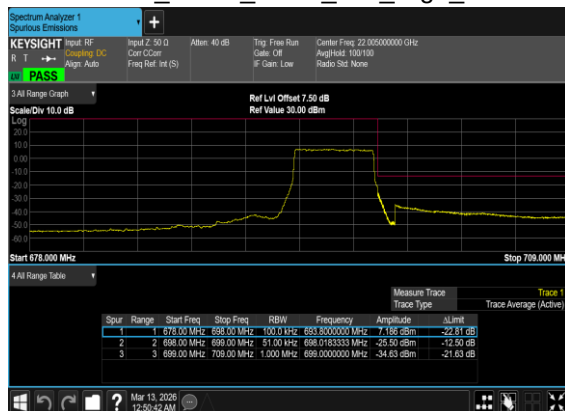
N71(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CHN71(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CHN71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CHN71(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PA



N71(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



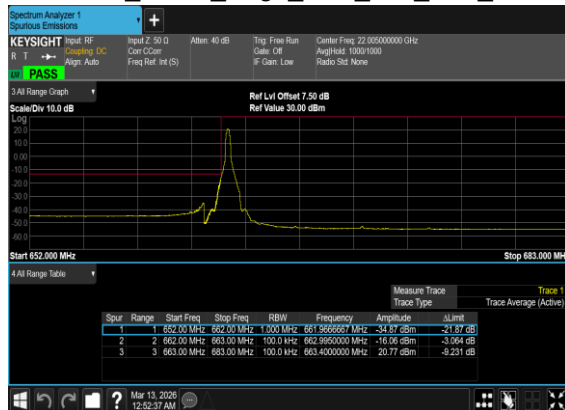
N71(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N71(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH

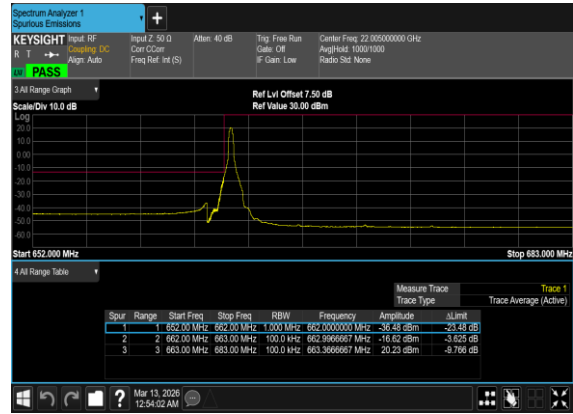




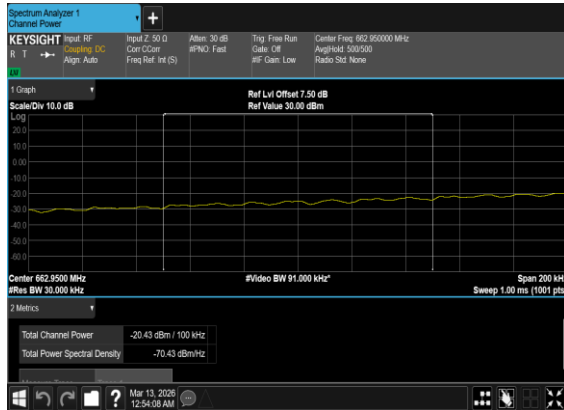
N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



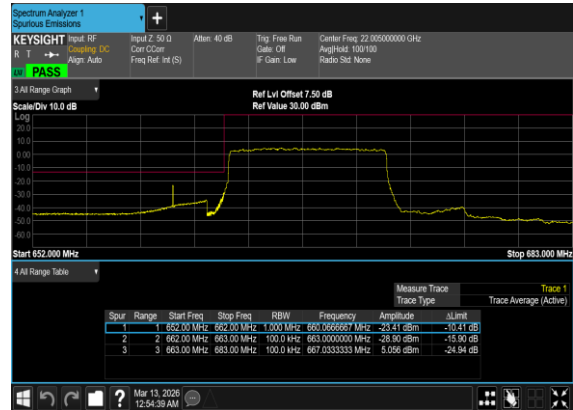
N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH_CHP_PASS

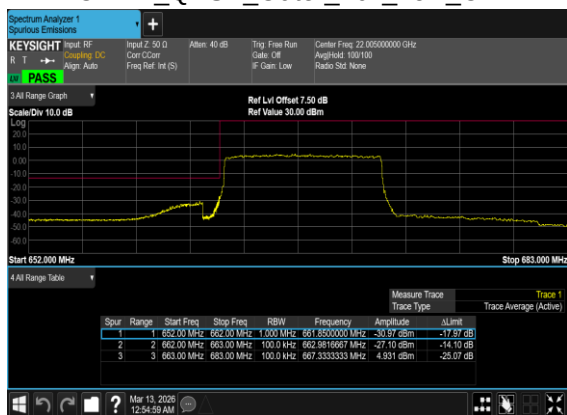


N71(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH





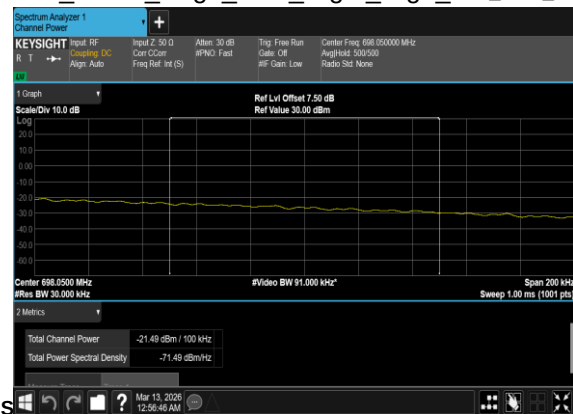
N71(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



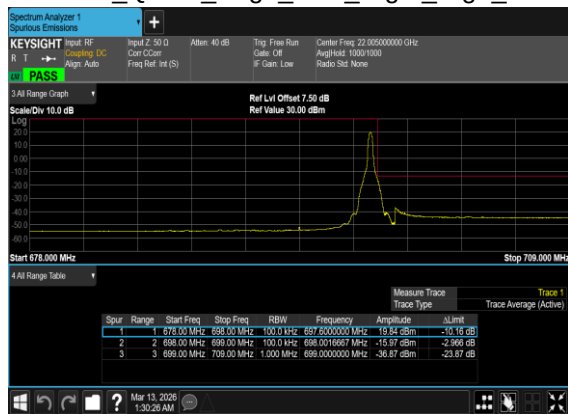
N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



N71(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PAS

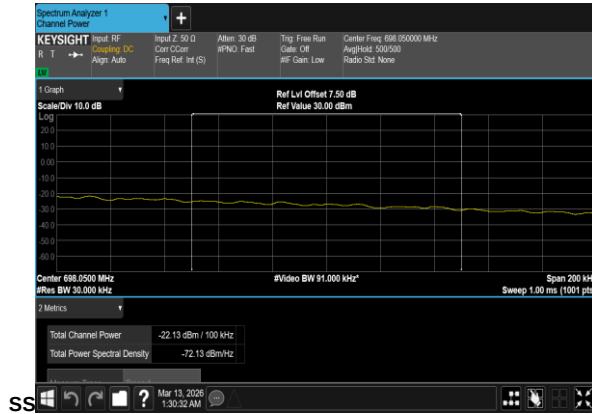


N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH





N71(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PA



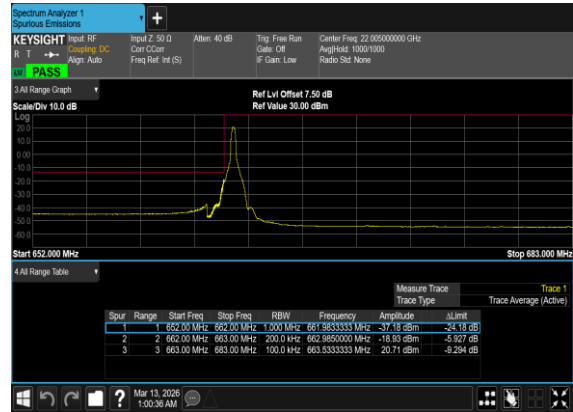
N71(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



N71(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

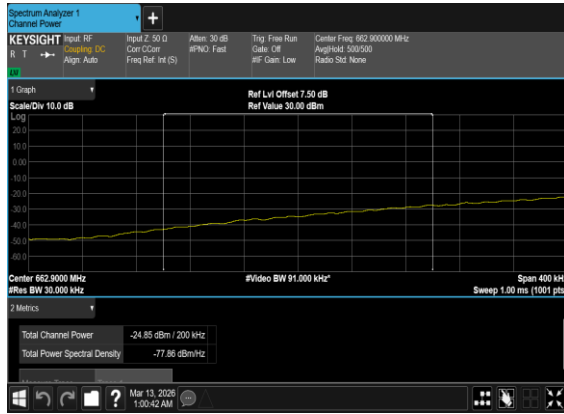


N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH

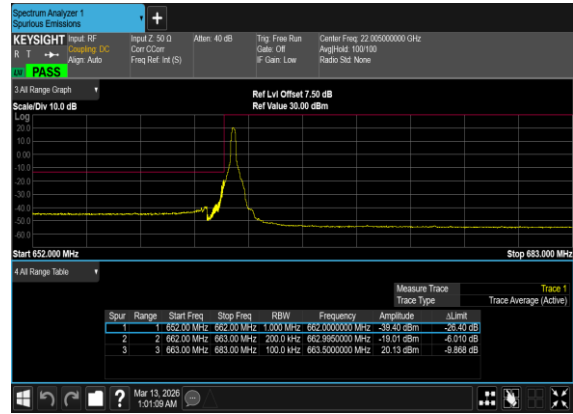




N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH_CHP_PASS



N71(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



N71(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

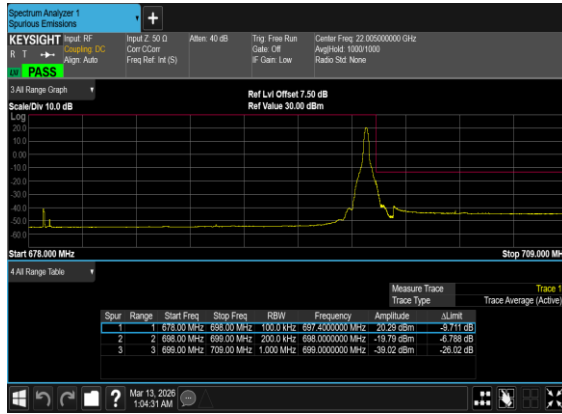


N71(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

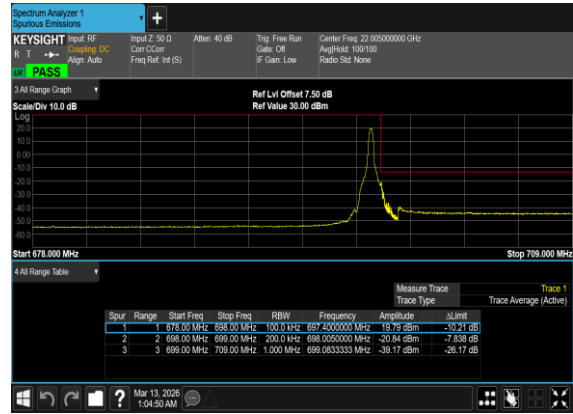




N71(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



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°C
		Relative Humidity :	48~52%

n5 SA / NR 20MHz / QPSK(ANT0)									
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	1655	-58.52	-13	-45.52	-68.08	-61.77	4.00	9.40	H
	2482.5	-63.28	-13	-50.28	-77.18	-66.85	4.88	10.60	H
	3310	-59.34	-13	-46.34	-75.26	-64.27	5.52	12.60	H
	4137.5	-60.28	-13	-47.28	-79.49	-64.75	6.00	12.62	H
	1655	-60.66	-13	-47.66	-69.82	-63.91	4.00	9.40	V
	2482.5	-62.45	-13	-49.45	-76.32	-66.02	4.88	10.60	V
	3310	-57.09	-13	-44.09	-72.79	-62.02	5.52	12.60	V
	4137.5	-53.48	-13	-40.48	-72.70	-57.95	6.00	12.62	V

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

EN-DC_7A_n5A / LTE 10MHz + NR 20MHz / QPSK (ANT2+0)									
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)
NR n5 Middle	1655	-65.33	-13	-52.33	-74.89	-68.58	4.00	9.40	H
	2482.5	-62.68	-13	-49.68	-76.58	-66.25	4.88	10.60	H
	3310	-62.32	-13	-49.32	-78.24	-67.25	5.52	12.60	H
	1655	-65.83	-13	-52.83	-74.99	-69.08	4.00	9.40	V
	2482.5	-62.69	-13	-49.69	-76.56	-66.26	4.88	10.60	V
	3310	-62.36	-13	-49.36	-78.06	-67.29	5.52	12.60	V
LTE Band7 Middle	5061.00	-36.87	-25	-11.87	-58.63	-42.43	7.14	12.70	H
	7591.50	-38.56	-25	-13.56	-64.25	-41.86	8.30	11.60	H
	10122.00	-49.27	-25	-24.27	-79.42	-50.79	10.48	12.00	H
	5061.00	-46.93	-25	-21.93	-68.83	-52.49	7.14	12.70	V
	7591.50	-40.63	-25	-15.63	-66.27	-43.93	8.30	11.60	V
	10122.00	-50.87	-25	-25.87	-79.65	-52.39	10.48	12.00	V

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



n25 SA / NR 30MHz / QPSK(ANT2)									
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	3732	-55.77	-13	-42.77	-73.86	-62.52	5.85	12.60	H
	5598	-54.74	-13	-41.74	-76.73	-60.54	7.30	13.10	H
	7464	-54.88	-13	-41.88	-80.88	-58.03	8.35	11.50	H
	3732	-49.12	-13	-36.12	-67.13	-55.87	5.85	12.60	V
	5598	-44.71	-13	-31.71	-66.89	-50.51	7.30	13.10	V
	7464	-53.73	-13	-40.73	-79.73	-56.88	8.35	11.50	V

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

n66 SA / NR 30MHz / QPSK(ANT2)									
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	3462	-58.77	-13	-45.77	-75.44	-65.62	5.65	12.50	H
	5193	-57.12	-13	-44.12	-78.64	-62.79	7.13	12.80	H
	6924	-50.00	-13	-37.00	-75.31	-53.40	8.40	11.80	H
	8655	-50.46	-13	-37.46	-79.07	-53.31	8.75	11.60	H
	3462	-50.40	-13	-37.40	-67.09	-57.25	5.65	12.50	V
	5193	-46.18	-13	-33.18	-68.01	-51.85	7.13	12.80	V
	6924	-44.87	-13	-31.87	-70.66	-48.27	8.40	11.80	V
	8655	-49.21	-13	-36.21	-77.11	-52.06	8.75	11.60	V

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

EN-DC_5A_n66A / LTE 10MHz + NR 30MHz / QPSK (ANT0+2)									
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	3462	-56.46	-13	-43.46	-73.13	-63.31	5.65	12.50	H
	5193	-57.15	-13	-44.15	-78.67	-62.82	7.13	12.80	H
	6924	-50.32	-13	-37.32	-75.63	-53.72	8.40	11.80	H
	8655	-51.15	-13	-38.15	-79.76	-54.00	8.75	11.60	H
	3462	-50.30	-13	-37.30	-66.99	-57.15	5.65	12.50	V
	5193	-51.17	-13	-38.17	-73	-56.84	7.13	12.80	V
	6924	-46.55	-13	-33.55	-72.34	-49.95	8.40	11.80	V
	8655	-50.15	-13	-37.15	-78.05	-53.00	8.75	11.60	V
LTE Band5 Middle	1664	-65.27	-13	-52.27	-74.83	-68.52	4.00	9.40	H
	2496	-62.69	-13	-49.69	-76.54	-66.26	4.88	10.60	H
	3328	-61.86	-13	-48.86	-77.61	-66.79	5.52	12.60	H
	1664	-66.12	-13	-53.12	-75.28	-69.37	4.00	9.40	H
	2496	-62.52	-13	-49.52	-76.33	-66.09	4.88	10.60	V
	3328	-61.88	-13	-48.88	-77.39	-66.81	5.52	12.60	V
	1664	-65.27	-13	-52.27	-74.83	-68.52	4.00	9.40	V
	2496	-62.69	-13	-49.69	-76.54	-66.26	4.88	10.60	V

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

n71 SA / NR 20MHz / QPSK(ANT0)									
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	-64.72	-13	-51.72	-74.00	-67.97	4.00	9.40	H
	2014.5	-62.36	-13	-49.36	-73.61	-65.93	4.88	10.60	H
	2686	-61.56	-13	-48.56	-76.13	-66.49	5.52	12.60	H
	1343	-62.47	-13	-49.47	-71.38	-65.72	4.00	9.40	V
	2014.5	-61.43	-13	-48.43	-72.57	-65.00	4.88	10.60	V
	2686	-61.51	-13	-48.51	-76.10	-66.44	5.52	12.60	V

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

EN-DC_2A_n71A / LTE 10MHz + NR 20MHz / QPSK (ANT2+0)									
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)
NR n71 Middle	1343	-65.41	-13	-52.41	-74.69	-68.66	4.00	9.40	H
	2014.5	-63.26	-13	-50.26	-74.51	-66.83	4.88	10.60	H
	2686	-61.83	-13	-48.83	-76.40	-66.76	5.52	12.60	H
	1343	-62.68	-13	-49.68	-71.59	-65.93	4.00	9.40	V
	2014.5	-62.71	-13	-49.71	-73.85	-66.28	4.88	10.60	V
	2686	-60.25	-13	-47.25	-74.84	-65.18	5.52	12.60	V
LTE Band2 Middle	3751	-60.07	-13	-47.07	-78.19	-66.82	5.85	12.60	H
	5626.5	-58.17	-13	-45.17	-80.62	-63.97	7.30	13.10	H
	7502	-54.87	-13	-41.87	-80.77	-58.02	8.35	11.50	H
	3751	-59.21	-13	-46.21	-77.26	-65.96	5.85	12.60	V
	5626.5	-55.26	-13	-42.26	-77.43	-61.06	7.30	13.10	V
	7502	-54.66	-13	-41.66	-80.55	-57.81	8.35	11.50	V

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