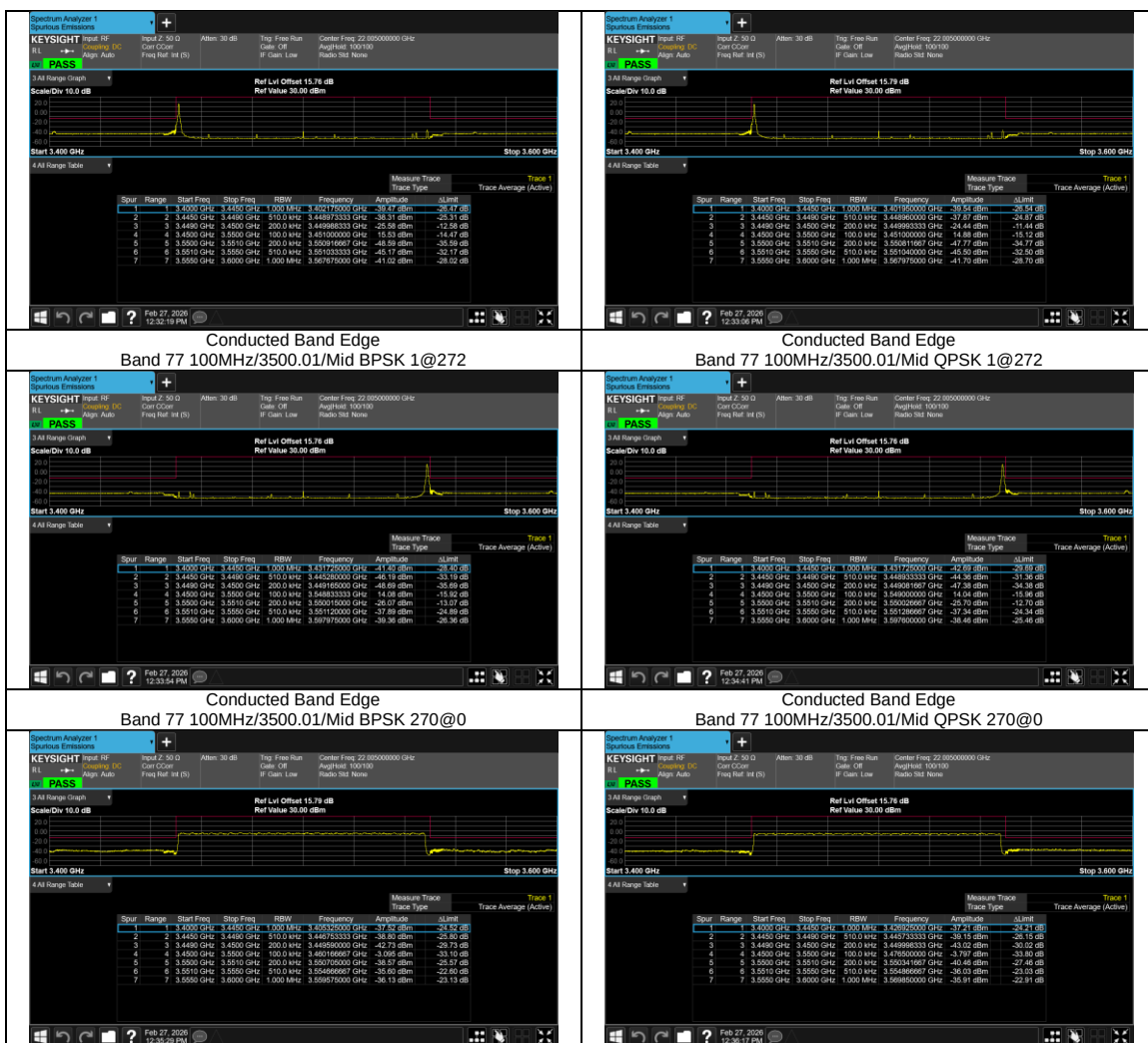






RF N77_ANT5_(PA Reference Designator)

Frequency Stability

Test Result

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	15.5	PASS	NV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	10.1	PASS	LV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	12.4	PASS	HV
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	13.7	PASS	-30℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	11.7	PASS	-20℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	11.6	PASS	-10℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	14.6	PASS	0℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	15.6	PASS	10℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	11.8	PASS	20℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	10.1	PASS	30℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	10.0	PASS	40℃
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	16.6	PASS	50℃

$|\text{MAX}(\Delta f)| = 16.6 \text{ Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	3450.787983	$\geq 3450 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	3548.739517	$\leq 3550 \text{ MHz}$	



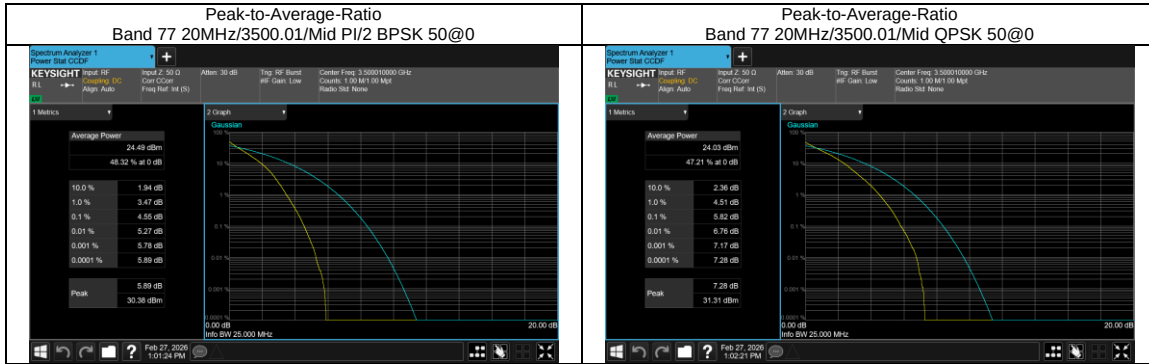
Peak to Average Ratio

Test Result

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
77	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	50@0	4.55	13
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	5.82	13



Test Graphs





Occupied Bandwidth

Test Result

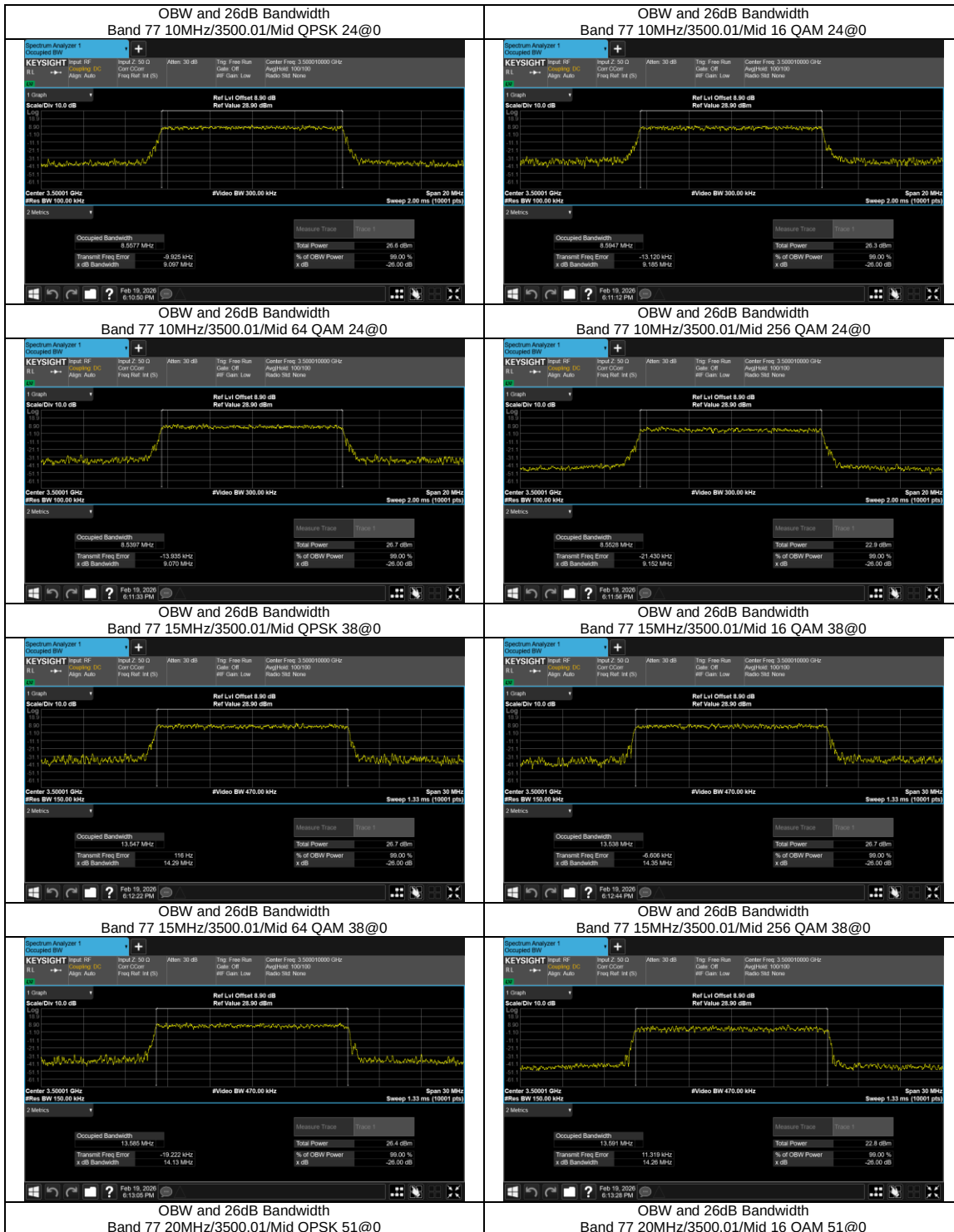
NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	OBW(MHz)	26dB OBW(MHz)
77	30	10	633334	3500.01	CP-OFDM QPSK	24@0	8.56	9.097
77	30	10	633334	3500.01	CP-OFDM 16 QAM	24@0	8.59	9.185
77	30	10	633334	3500.01	CP-OFDM 64 QAM	24@0	8.54	9.07
77	30	10	633334	3500.01	CP-OFDM 256 QAM	24@0	8.55	9.152
77	30	15	633334	3500.01	CP-OFDM QPSK	38@0	13.55	14.29
77	30	15	633334	3500.01	CP-OFDM 16 QAM	38@0	13.54	14.35
77	30	15	633334	3500.01	CP-OFDM 64 QAM	38@0	13.58	14.13
77	30	15	633334	3500.01	CP-OFDM 256 QAM	38@0	13.59	14.26
77	30	20	633334	3500.01	CP-OFDM QPSK	51@0	18.22	19.23
77	30	20	633334	3500.01	CP-OFDM 16 QAM	51@0	18.25	19.07
77	30	20	633334	3500.01	CP-OFDM 64 QAM	51@0	18.17	19.0
77	30	20	633334	3500.01	CP-OFDM 256 QAM	51@0	18.16	18.91
77	30	25	633334	3500.01	CP-OFDM QPSK	65@0	23.17	24.1
77	30	25	633334	3500.01	CP-OFDM 16 QAM	65@0	23.2	24.05
77	30	25	633334	3500.01	CP-OFDM 64 QAM	65@0	23.17	24.26
77	30	25	633334	3500.01	CP-OFDM 256 QAM	65@0	23.22	24.22
77	30	30	633334	3500.01	CP-OFDM QPSK	78@0	27.79	29.01
77	30	30	633334	3500.01	CP-OFDM 16 QAM	78@0	27.76	29.11
77	30	30	633334	3500.01	CP-OFDM 64 QAM	78@0	27.79	29.1
77	30	30	633334	3500.01	CP-OFDM 256 QAM	78@0	27.87	28.77
77	30	40	633334	3500.01	CP-OFDM QPSK	106@0	37.87	39.19
77	30	40	633334	3500.01	CP-OFDM 16 QAM	106@0	37.78	39.26
77	30	40	633334	3500.01	CP-OFDM 64 QAM	106@0	37.91	39.18
77	30	40	633334	3500.01	CP-OFDM 256 QAM	106@0	37.75	39.24
77	30	50	633334	3500.01	CP-OFDM QPSK	133@0	47.62	49.05
77	30	50	633334	3500.01	CP-OFDM 16 QAM	133@0	47.36	48.98
77	30	50	633334	3500.01	CP-OFDM 64 QAM	133@0	47.35	48.95
77	30	50	633334	3500.01	CP-OFDM 256 QAM	133@0	47.42	48.79
77	30	60	633334	3500.01	CP-OFDM QPSK	162@0	57.84	59.59
77	30	60	633334	3500.01	CP-OFDM 16 QAM	162@0	57.65	59.57
77	30	60	633334	3500.01	CP-OFDM 64 QAM	162@0	57.7	59.66
77	30	60	633334	3500.01	CP-OFDM 256 QAM	162@0	57.8	59.55
77	30	70	633334	3500.01	CP-OFDM QPSK	189@0	67.35	69.6
77	30	70	633334	3500.01	CP-OFDM 16 QAM	189@0	67.4	69.54
77	30	70	633334	3500.01	CP-OFDM 64 QAM	189@0	67.49	69.61

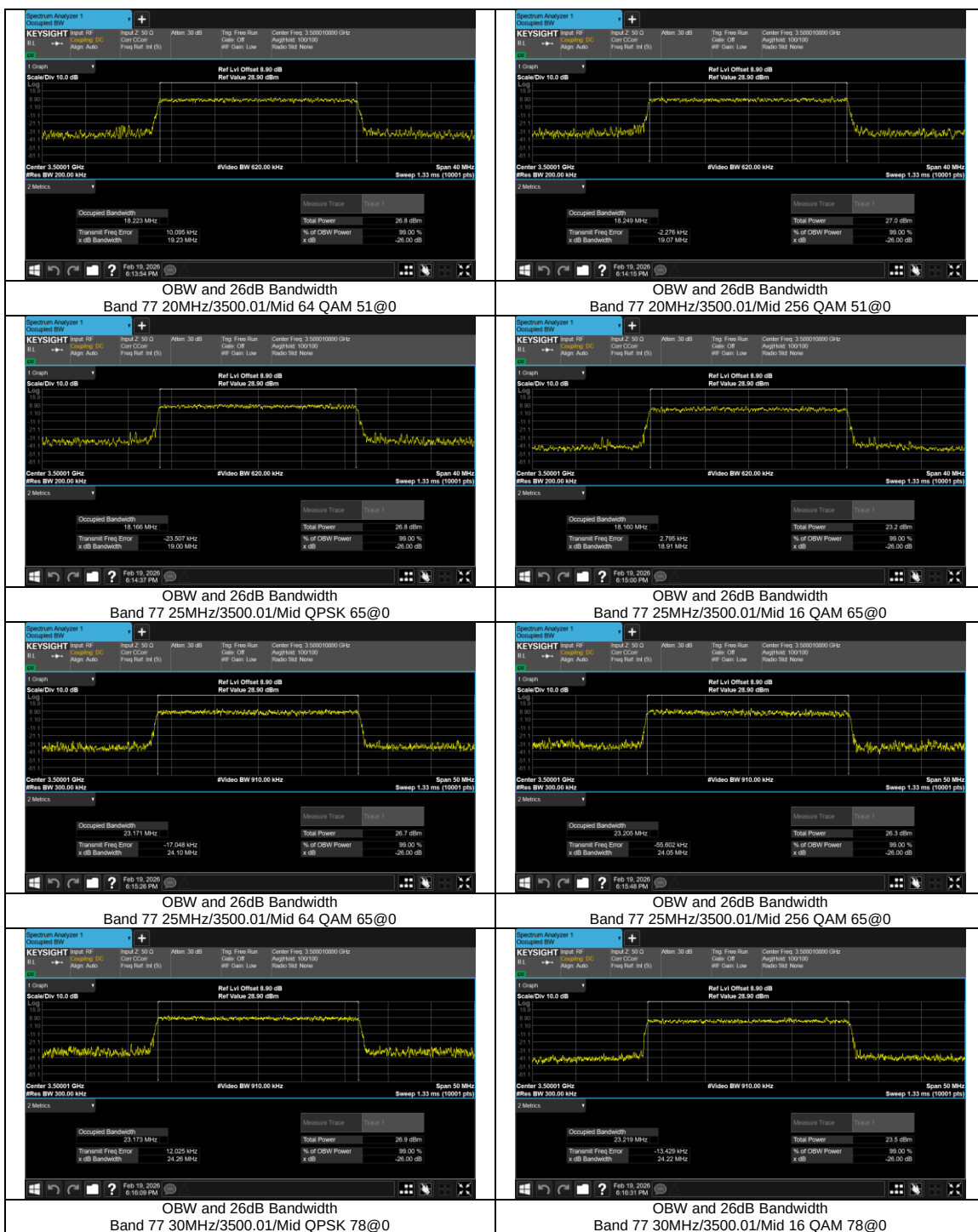


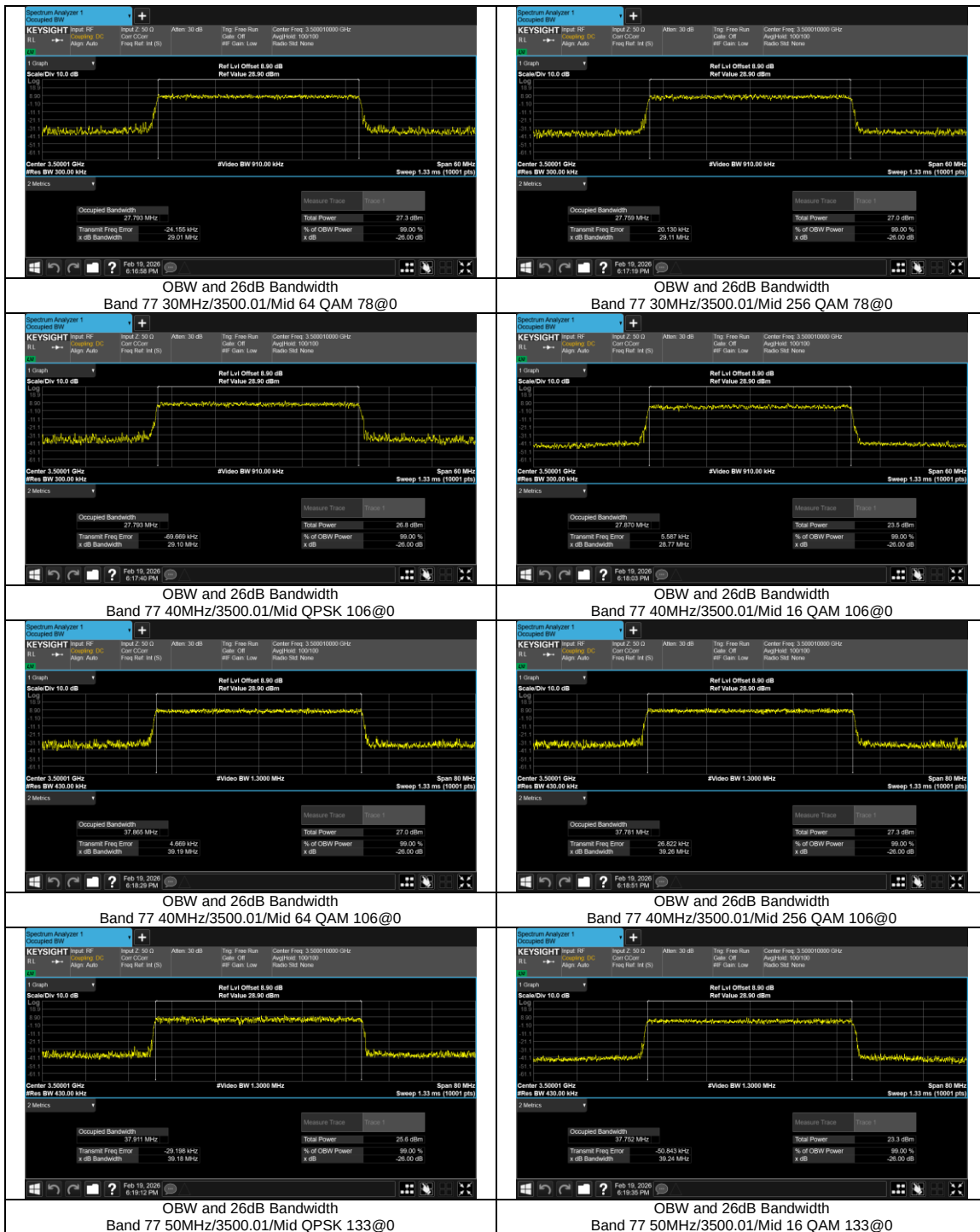
					QAM			
77	30	70	633334	3500.01	CP-OFDM 256 QAM	189@0	67.47	69.49
77	30	80	633334	3500.01	CP-OFDM QPSK	217@0	77.37	79.73
77	30	80	633334	3500.01	CP-OFDM 16 QAM	217@0	77.43	79.76
77	30	80	633334	3500.01	CP-OFDM 64 QAM	217@0	77.5	79.73
77	30	80	633334	3500.01	CP-OFDM 256 QAM	217@0	77.39	79.76
77	30	90	633334	3500.01	CP-OFDM QPSK	245@0	87.3	90.0
77	30	90	633334	3500.01	CP-OFDM 16 QAM	245@0	87.31	90.04
77	30	90	633334	3500.01	CP-OFDM 64 QAM	245@0	87.42	89.94
77	30	90	633334	3500.01	CP-OFDM 256 QAM	245@0	87.62	89.97
77	30	100	633334	3500.01	CP-OFDM QPSK	273@0	97.37	100.3
77	30	100	633334	3500.01	CP-OFDM 16 QAM	273@0	97.28	100.3
77	30	100	633334	3500.01	CP-OFDM 64 QAM	273@0	97.39	100.3
77	30	100	633334	3500.01	CP-OFDM 256 QAM	273@0	97.38	100.2

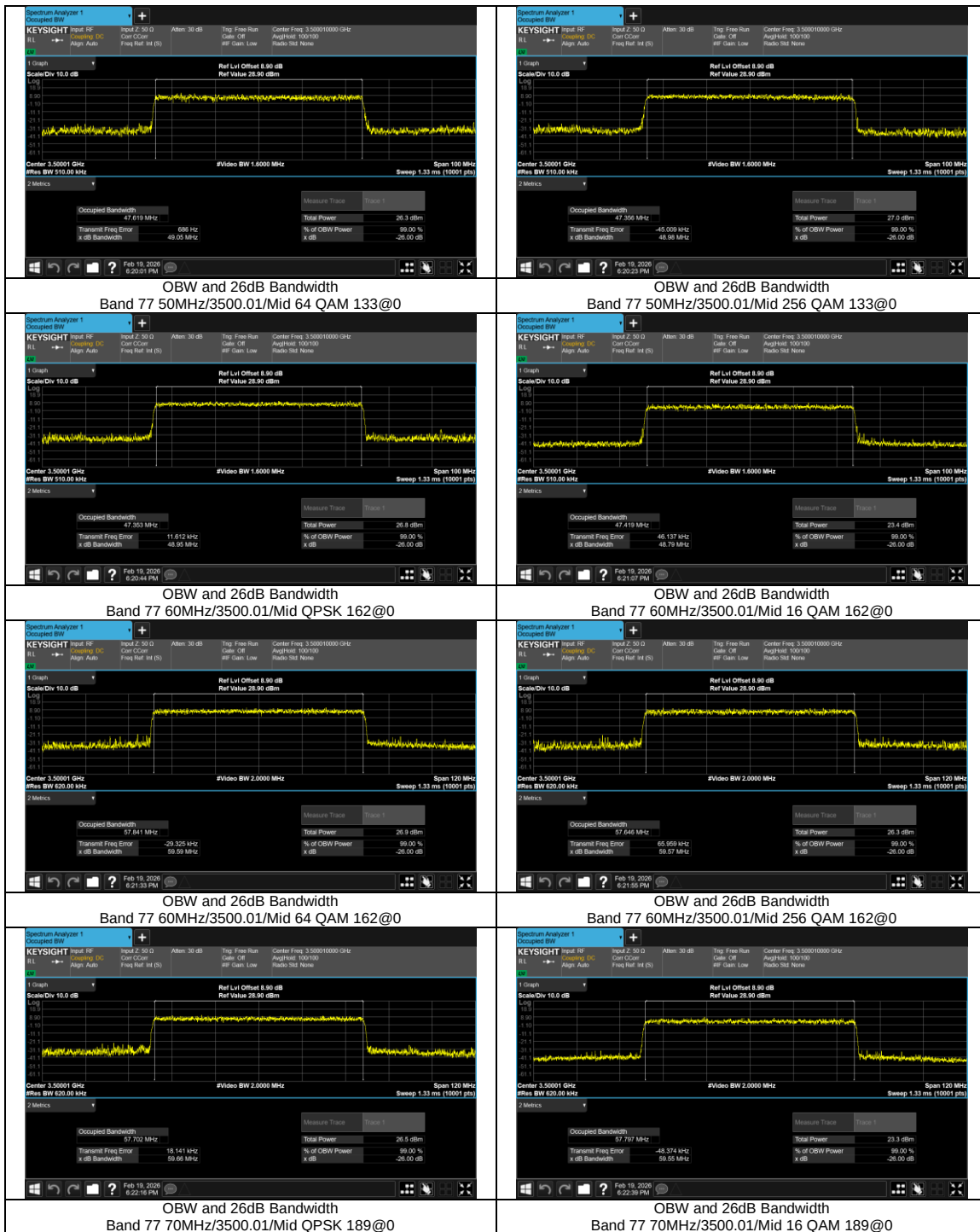


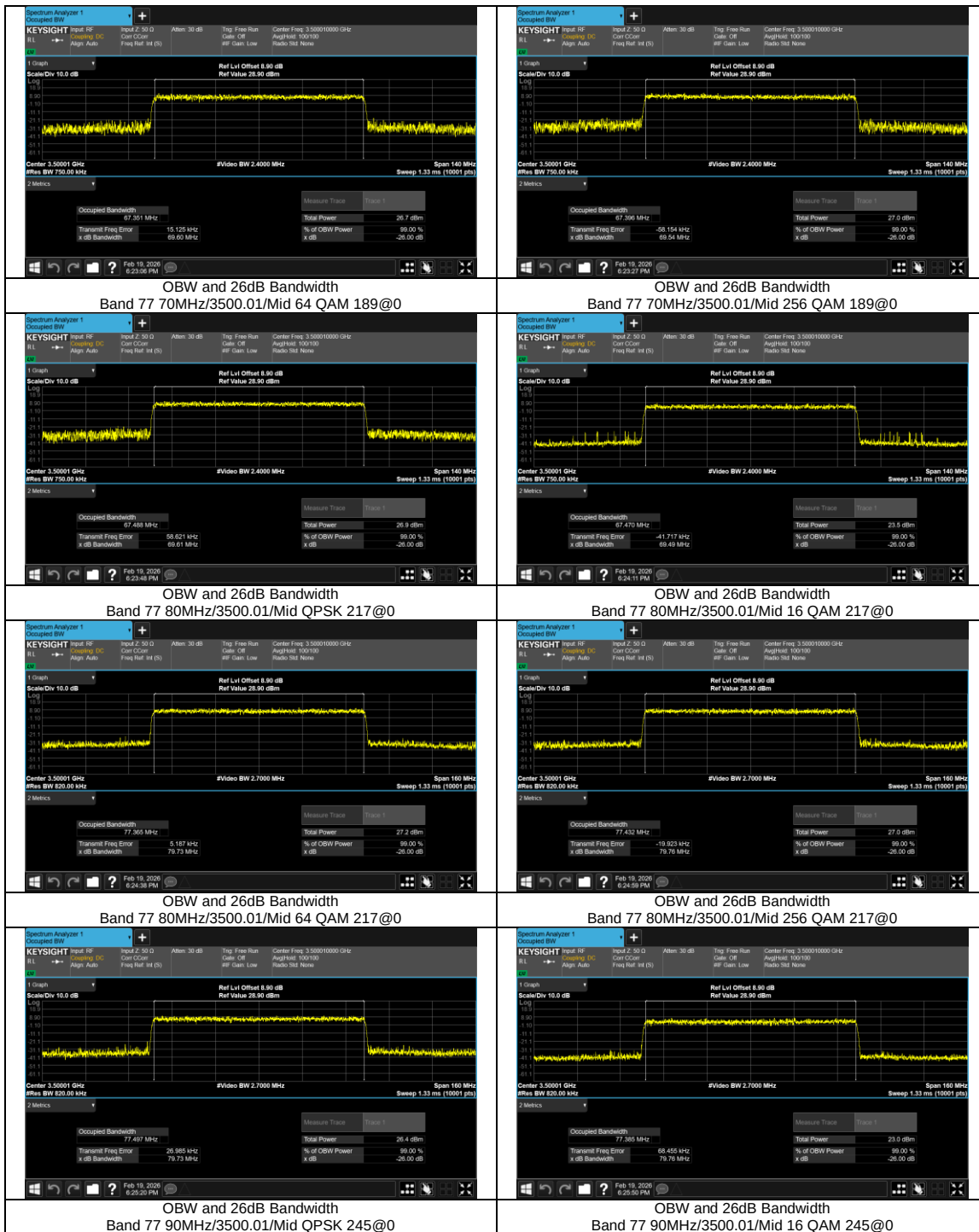
Test Graphs

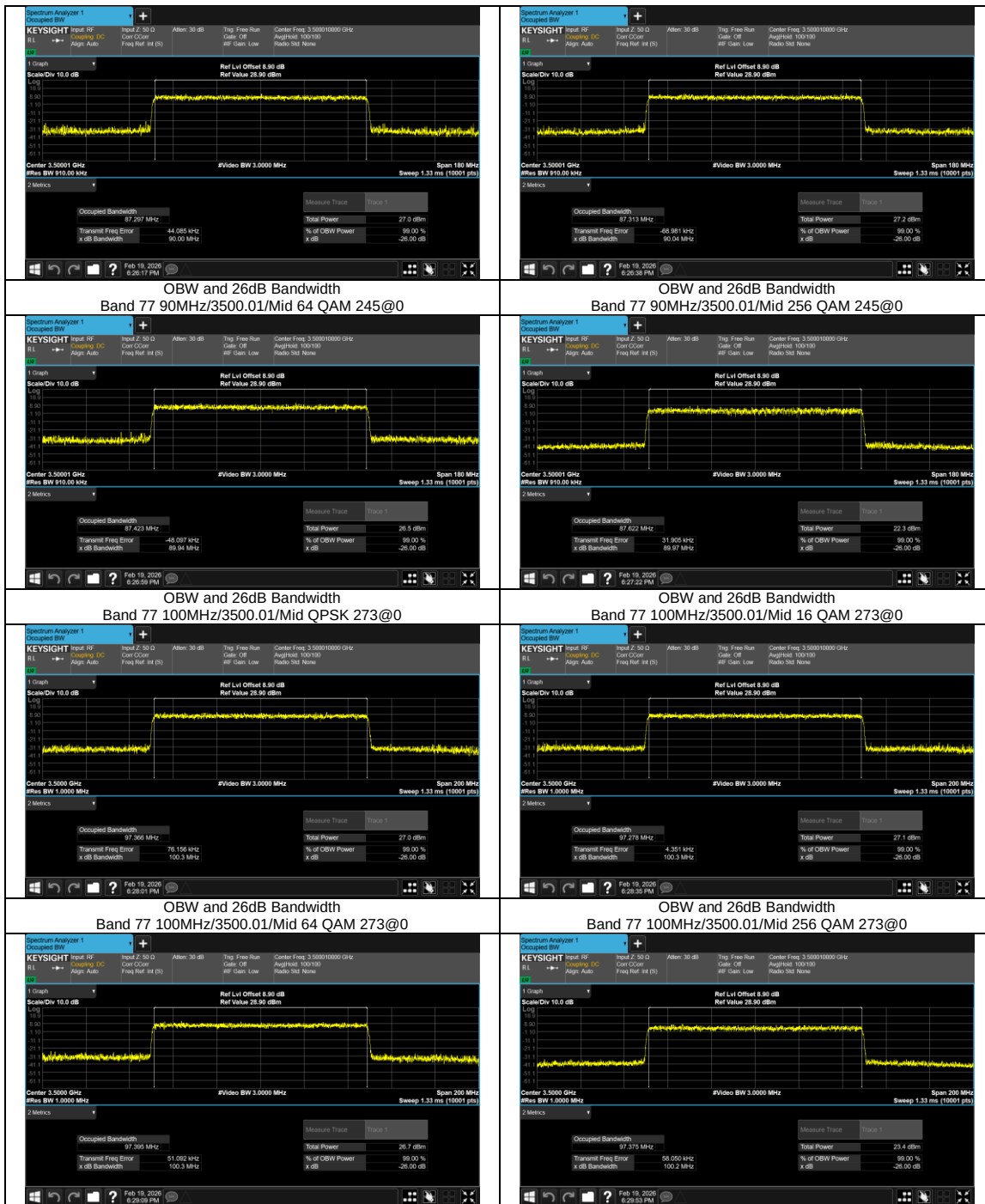














Conducted Spurious Emissions

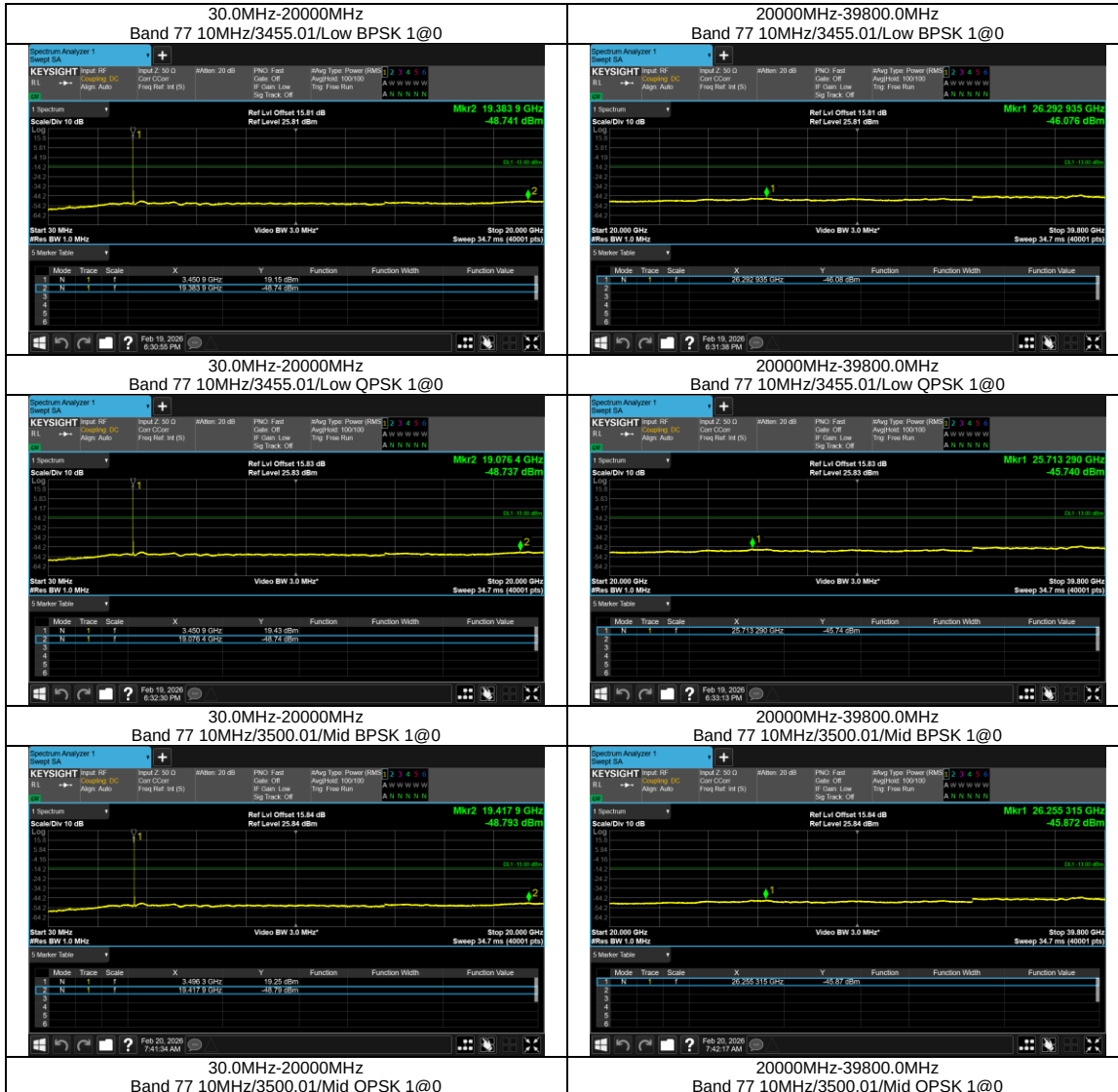
Test Result

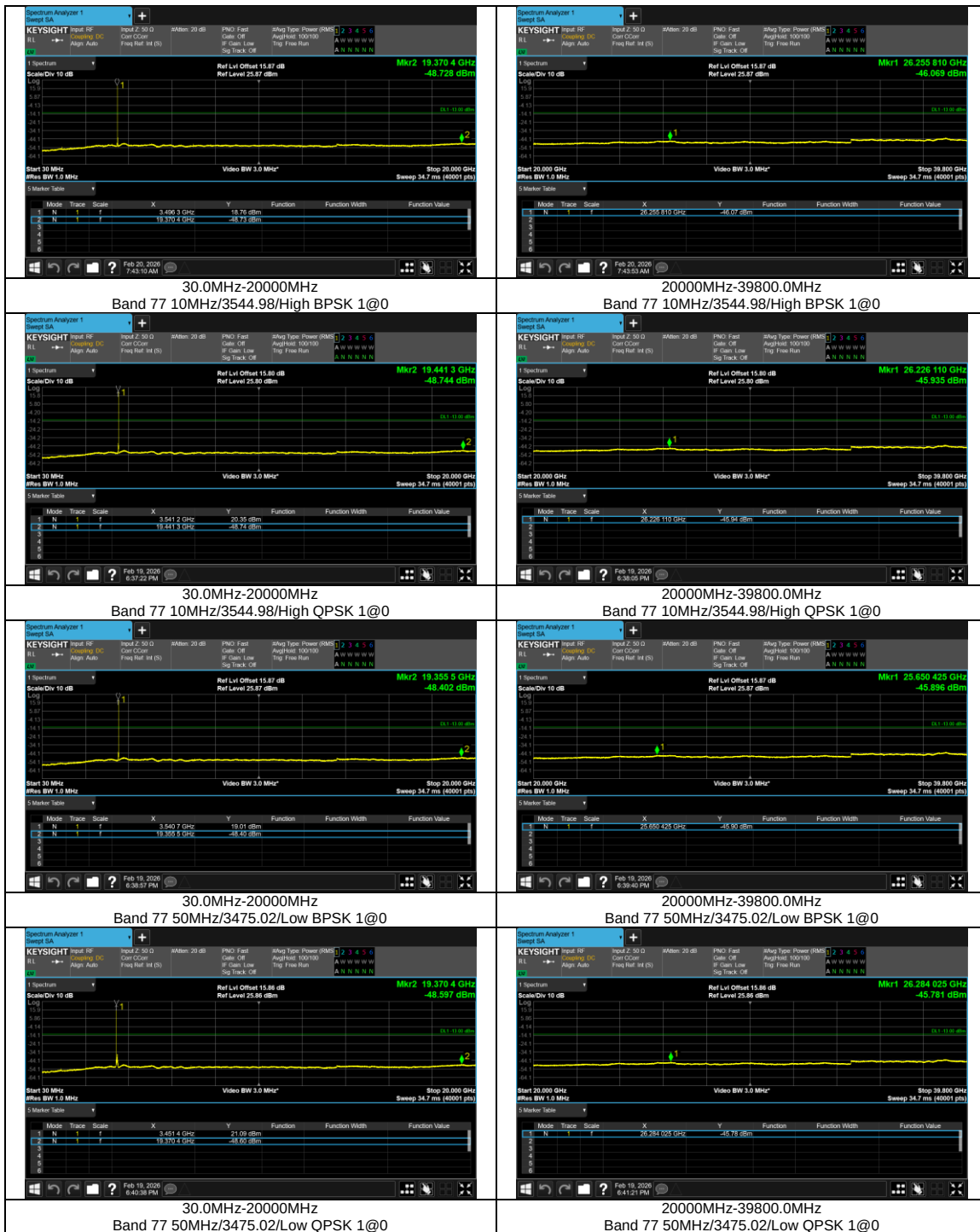
NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	10	633334	3500.01	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	50	633334	3500.01	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	100	633333	3499.995	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	100	633333	3499.995	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	100	633333	3499.995	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	100	633333	3499.995	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	See graph	---
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	100	633333	3499.995	DFT-s-OFDM BPSK	1@0	See graph	---
77	30	100	633333	3499.995	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	100	633333	3499.995	DFT-s-OFDM	1@0	See graph	---

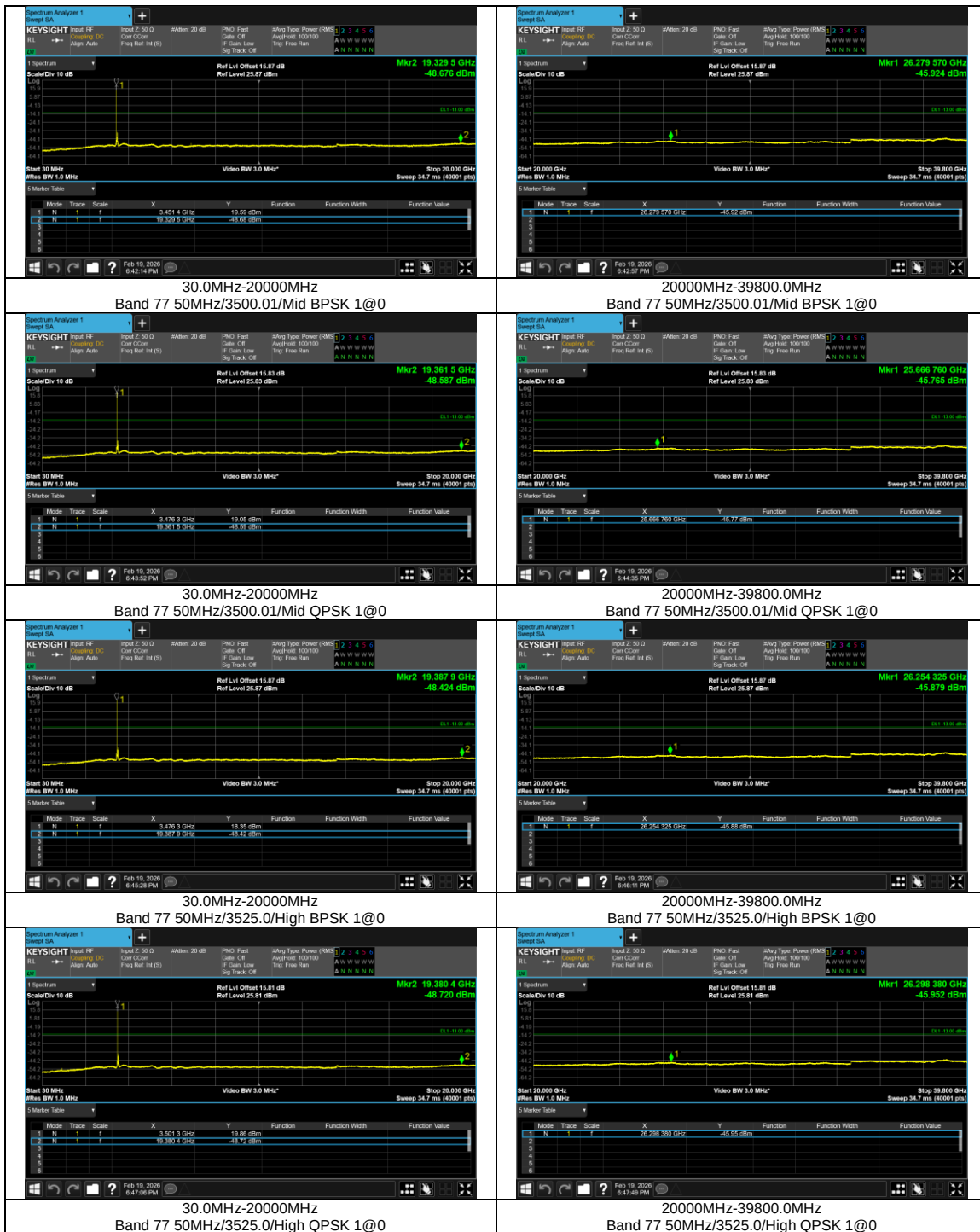


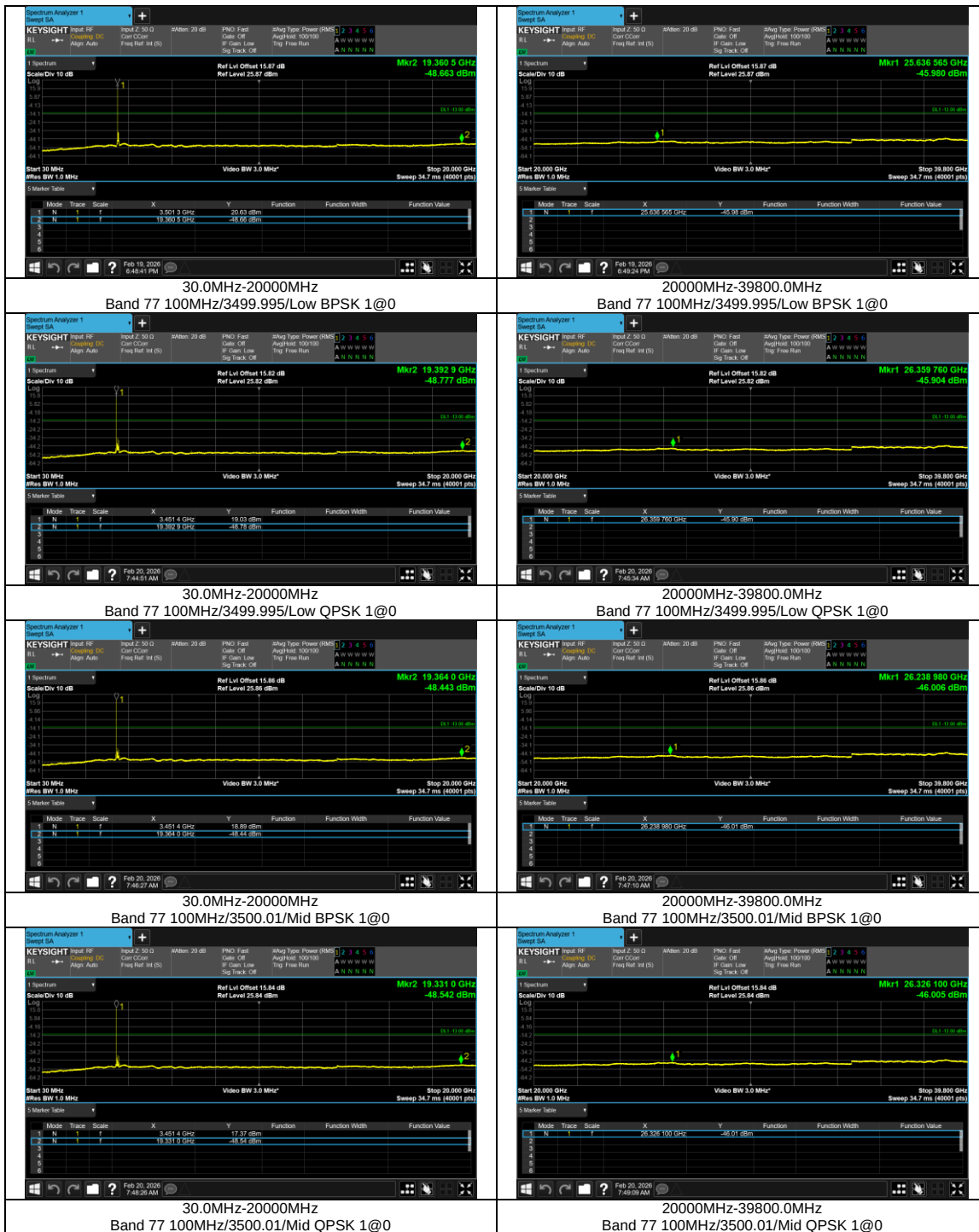
					QPSK			
77	30	100	633333	3499.995	DFT-s-OFDM QPSK	1@0	See graph	PASS

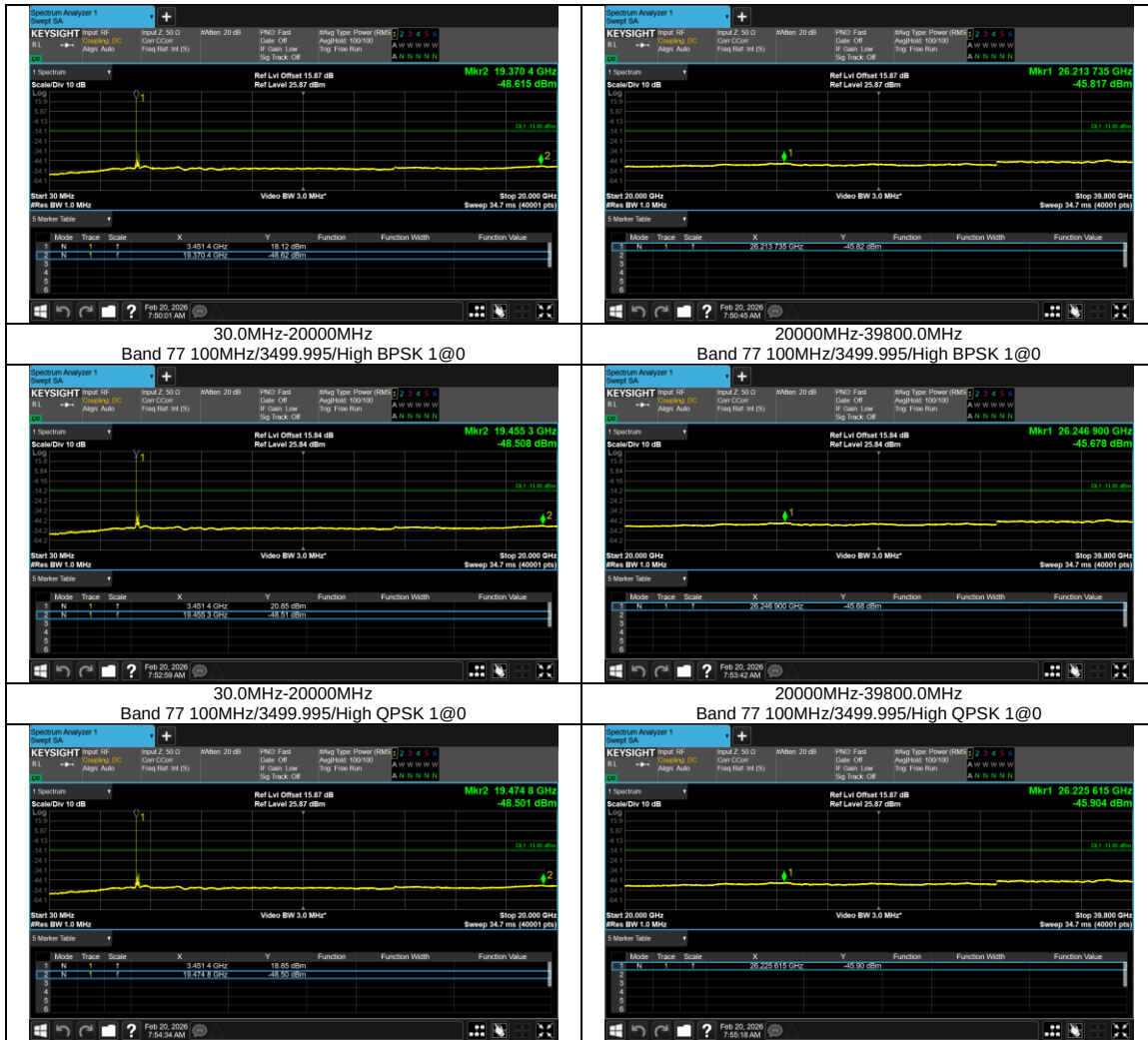
Test Graphs













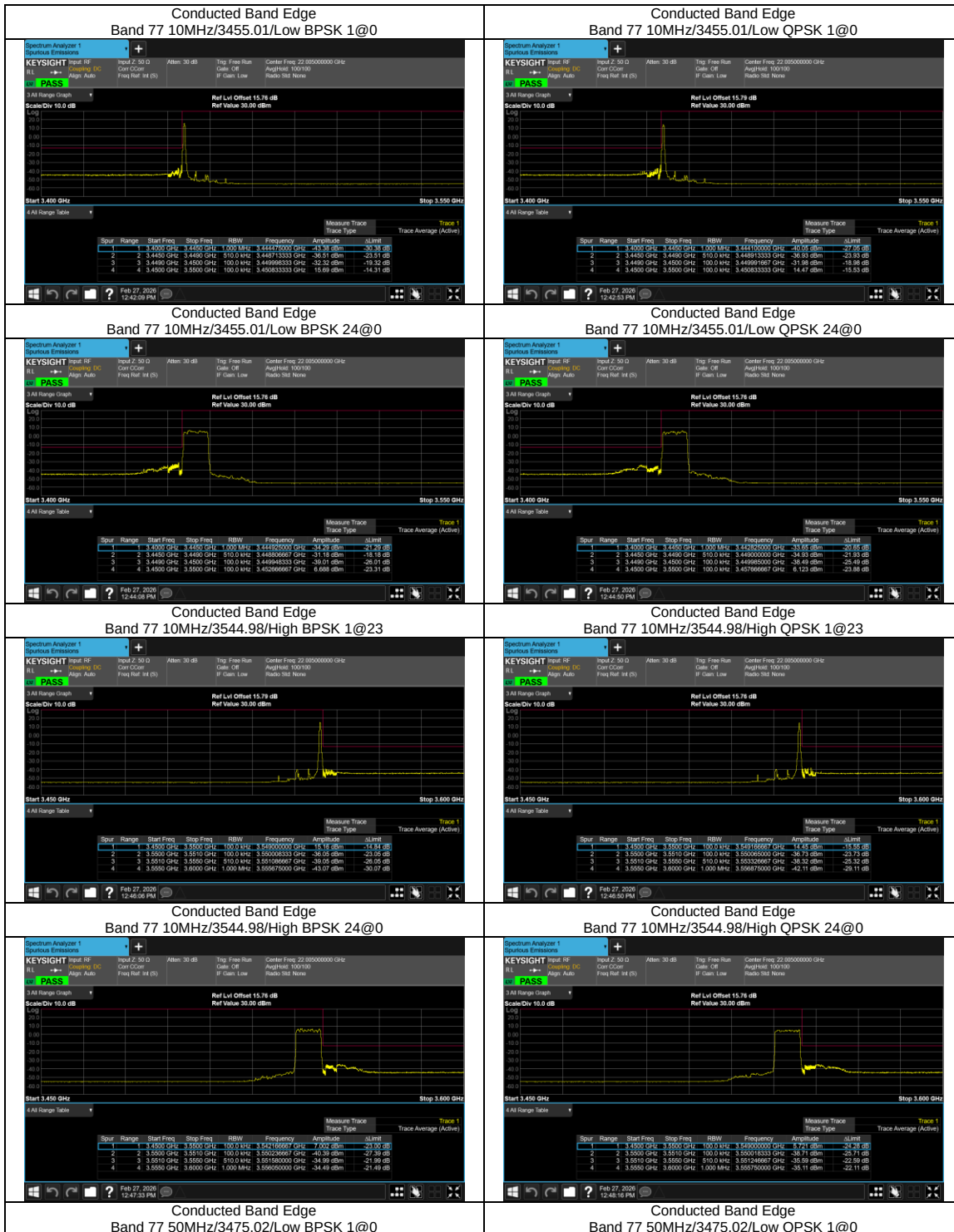
Conducted Band Edge

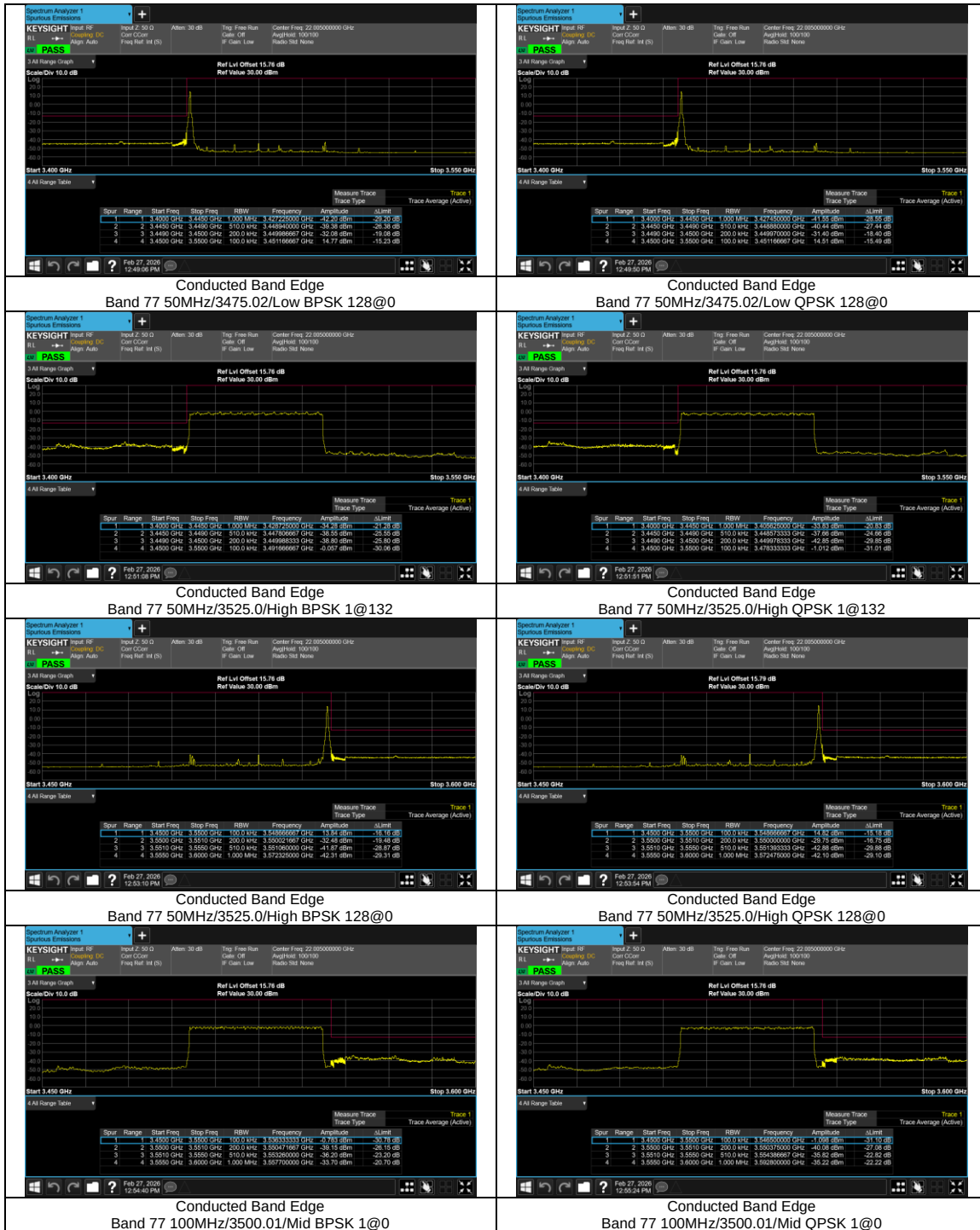
Test Result

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM BPSK	24@0	See graph	PASS
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	See graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	1@23	See graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@23	See graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM BPSK	24@0	See graph	PASS
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	See graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM BPSK	128@0	See graph	PASS
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	128@0	See graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	1@132	See graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	1@132	See graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM BPSK	128@0	See graph	PASS
77	30	50	635000	3525.0	DFT-s-OFDM QPSK	128@0	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	See graph	PASS
77	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	See graph	PASS



Test Graphs







**FR1 N77_MIMO-ANT7+5****Transmitter Conducted Output Power And EIRP, (GT - LC)=-0.04 dB**

NR Band	SCS	Band Width	Arfcn	Freq(MHz)	Modulation	RB	ANT7 Power(dBm)	ANT5 Power(dBm)	Conducted Power(dBm)	EIRP(dBm)	EIRP(W)
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.05	25.46	28.27	28.23	0.6653
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@0	19.06	19.39	22.24	22.20	0.1659
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@22	25	25.46	28.25	28.21	0.6617
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	2@0	19.11	19.43	22.28	22.24	0.1676
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	12@6	25.13	25.49	28.32	28.28	0.6736
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	2@22	19.09	19.45	22.28	22.24	0.1676
77	30	10	630334	3455.01	DFT-s-OFDM QPSK	24@0	23.12	23.42	26.28	26.24	0.4210
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.16	24.59	27.39	27.35	0.5433
77	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	24@0	22.31	22.57	25.45	25.41	0.3477
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.59	25.84	28.73	28.69	0.7391
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.73	19.81	22.78	22.74	0.1880
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@22	25.53	25.89	28.72	28.68	0.7386
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.59	19.84	22.73	22.69	0.1857
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	12@6	25.56	25.96	28.77	28.73	0.7473
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	2@22	19.49	19.79	22.65	22.61	0.1825
77	30	10	633334	3500.01	DFT-s-OFDM QPSK	24@0	23.57	23.89	26.74	26.70	0.4681
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.7	25.05	27.89	27.85	0.6094
77	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	24@0	22.59	22.91	25.76	25.72	0.3735
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	25.34	25.96	28.67	28.63	0.7297
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@0	19.39	19.94	22.68	22.64	0.1838
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@22	25.4	25.9	28.67	28.63	0.7290
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	2@0	19.39	20.02	22.73	22.69	0.1856
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	12@6	25.43	26.06	28.77	28.73	0.7459
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	2@22	19.37	20.04	22.73	22.69	0.1857
77	30	10	636332	3544.98	DFT-s-OFDM QPSK	24@0	23.5	23.98	26.76	26.72	0.4696
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	24.61	25.09	27.87	27.83	0.6063
77	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	24@0	22.52	23.17	25.87	25.83	0.3826
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	25.17	25.4	28.30	28.26	0.6694
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@0	19.07	19.38	22.24	22.20	0.1659
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@36	25.42	25.47	28.46	28.42	0.6943
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	2@0	19.15	19.47	22.32	22.28	0.1692
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	18@9	25.24	25.55	28.41	28.37	0.6868
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	2@36	19.28	19.49	22.40	22.36	0.1721
77	30	15	630500	3457.5	DFT-s-OFDM QPSK	36@0	23.14	23.58	26.38	26.34	0.4301
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	24.28	24.37	27.34	27.30	0.5365
77	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	36@0	22.25	22.52	25.40	25.36	0.3434
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.72	25.81	28.78	28.74	0.7474
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.69	19.81	22.76	22.72	0.1871



77	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@36	25.48	25.81	28.66	28.62	0.7275
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.64	19.84	22.75	22.71	0.1867
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	18@9	25.56	25.89	28.74	28.70	0.7410
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	2@36	19.43	19.85	22.66	22.62	0.1826
77	30	15	633334	3500.01	DFT-s-OFDM QPSK	36@0	23.62	23.94	26.79	26.75	0.4735
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.87	25.02	27.96	27.92	0.6189
77	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	36@0	22.64	22.85	25.76	25.72	0.3730
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.46	25.91	28.70	28.66	0.7347
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@0	19.35	19.96	22.68	22.64	0.1835
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@36	25.38	25.97	28.70	28.66	0.7337
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	2@0	19.57	19.96	22.78	22.74	0.1879
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	18@9	25.5	25.97	28.75	28.71	0.7433
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	2@36	19.32	19.9	22.63	22.59	0.1816
77	30	15	636166	3542.49	DFT-s-OFDM QPSK	36@0	23.53	24.05	26.81	26.77	0.4751
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	24.55	24.93	27.75	27.71	0.5908
77	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	36@0	22.55	22.97	25.78	25.74	0.3746
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.08	25.62	28.37	28.33	0.6806
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	19.13	19.46	22.31	22.27	0.1686
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@49	25.44	25.46	28.46	28.42	0.6951
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	2@0	19.04	19.54	22.31	22.27	0.1686
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	25@12	25.29	25.62	28.47	28.43	0.6964
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	2@49	19.44	19.47	22.47	22.43	0.1748
77	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	23.31	23.57	26.45	26.41	0.4377
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	24	24.55	27.29	27.25	0.5314
77	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	50@0	22.3	22.55	25.44	25.40	0.3465
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.7	25.84	28.78	28.74	0.7483
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.7	19.73	22.73	22.69	0.1856
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@49	25.35	25.95	28.67	28.63	0.7296
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.72	19.87	22.81	22.77	0.1891
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	25@12	25.66	25.96	28.82	28.78	0.7556
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	2@49	19.43	19.86	22.66	22.62	0.1828
77	30	20	633334	3500.01	DFT-s-OFDM QPSK	50@0	23.7	23.96	26.84	26.80	0.4789
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.94	24.86	27.91	27.87	0.6124
77	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	50@0	22.64	22.97	25.82	25.78	0.3783
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.5	25.92	28.73	28.69	0.7388
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@0	19.61	19.92	22.78	22.74	0.1878
77	30	20	636000	3540	DFT-s-OFDM QPSK	1@49	25.35	25.93	28.66	28.62	0.7278
77	30	20	636000	3540	DFT-s-OFDM QPSK	2@0	19.57	20.04	22.82	22.78	0.1897
77	30	20	636000	3540	DFT-s-OFDM QPSK	25@12	25.56	26.02	28.81	28.77	0.7527
77	30	20	636000	3540	DFT-s-OFDM QPSK	2@49	19.35	19.99	22.69	22.65	0.1842
77	30	20	636000	3540	DFT-s-OFDM QPSK	50@0	23.57	24.05	26.83	26.79	0.4772
77	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.59	24.8	27.71	27.67	0.5843



77	30	20	636000	3540	DFT-s-OFDM 16 QAM	50@0	22.52	22.96	25.76	25.72	0.3729
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	25.06	25.38	28.23	28.19	0.6597
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@0	19.03	19.48	22.27	22.23	0.1672
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@63	25.43	25.36	28.41	28.37	0.6863
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	2@0	19.06	19.35	22.22	22.18	0.1651
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	32@16	25.23	25.44	28.35	28.31	0.6771
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	2@63	19.5	19.35	22.44	22.40	0.1736
77	30	25	630834	3462.51	DFT-s-OFDM QPSK	64@0	23.25	23.49	26.38	26.34	0.4307
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	24.03	24.37	27.21	27.17	0.5216
77	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	64@0	22.36	22.47	25.43	25.39	0.3456
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.67	25.67	28.68	28.64	0.7312
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.65	19.62	22.65	22.61	0.1822
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@63	25.42	25.79	28.62	28.58	0.7210
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.62	19.6	22.62	22.58	0.1811
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	32@16	25.52	25.81	28.68	28.64	0.7308
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	2@63	19.37	19.73	22.56	22.52	0.1788
77	30	25	633334	3500.01	DFT-s-OFDM QPSK	64@0	23.62	23.85	26.75	26.71	0.4685
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.69	24.51	27.61	27.57	0.5716
77	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	64@0	22.55	22.78	25.68	25.64	0.3662
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	25.56	25.9	28.74	28.70	0.7419
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@0	19.51	19.91	22.72	22.68	0.1856
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@63	25.26	25.87	28.59	28.55	0.7155
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	2@0	19.59	19.95	22.78	22.74	0.1881
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	32@16	25.54	25.97	28.77	28.73	0.7466
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	2@63	19.36	19.9	22.65	22.61	0.1823
77	30	25	635832	3537.48	DFT-s-OFDM QPSK	64@0	23.51	24.03	26.79	26.75	0.4729
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	24.58	24.95	27.78	27.74	0.5942
77	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	64@0	22.56	23.05	25.82	25.78	0.3786
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.12	25.53	28.34	28.30	0.6761
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@0	18.96	19.49	22.24	22.20	0.1661
77	30	30	631000	3465	DFT-s-OFDM QPSK	1@76	25.79	25.36	28.59	28.55	0.7162
77	30	30	631000	3465	DFT-s-OFDM QPSK	2@0	19.11	19.6	22.37	22.33	0.1711
77	30	30	631000	3465	DFT-s-OFDM QPSK	36@18	25.27	25.41	28.35	28.31	0.6778
77	30	30	631000	3465	DFT-s-OFDM QPSK	2@76	19.69	19.34	22.53	22.49	0.1774
77	30	30	631000	3465	DFT-s-OFDM QPSK	75@0	23.4	23.53	26.48	26.44	0.4401
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.21	24.41	27.32	27.28	0.5347
77	30	30	631000	3465	DFT-s-OFDM 16 QAM	75@0	22.39	22.49	25.45	25.41	0.3476
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.77	25.71	28.75	28.71	0.7431
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.68	19.65	22.68	22.64	0.1835
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@76	25.42	25.81	28.63	28.59	0.7227
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.73	19.69	22.72	22.68	0.1854
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	36@18	25.5	25.72	28.62	28.58	0.7214



77	30	30	633334	3500.01	DFT-s-OFDM QPSK	2@76	19.29	19.82	22.57	22.53	0.1792
77	30	30	633334	3500.01	DFT-s-OFDM QPSK	75@0	23.57	23.83	26.71	26.67	0.4648
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.73	24.57	27.66	27.62	0.5782
77	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	75@0	22.55	22.8	25.69	25.65	0.3670
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.52	26.07	28.81	28.77	0.7540
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@0	19.55	20.04	22.81	22.77	0.1893
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@76	25.42	25.99	28.72	28.68	0.7387
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	2@0	19.6	19.99	22.81	22.77	0.1892
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	36@18	25.56	25.95	28.77	28.73	0.7464
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	2@76	19.31	19.96	22.66	22.62	0.1827
77	30	30	635666	3534.99	DFT-s-OFDM QPSK	75@0	23.57	24.04	26.82	26.78	0.4766
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.6	25.03	27.83	27.79	0.6013
77	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	75@0	22.57	23.03	25.82	25.78	0.3781
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.07	25.57	28.34	28.30	0.6757
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@0	19.06	19.46	22.27	22.23	0.1673
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@104	25.61	25.5	28.57	28.53	0.7121
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	2@0	19.08	19.5	22.31	22.27	0.1685
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	50@25	25.39	25.45	28.43	28.39	0.6903
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	2@104	19.55	19.48	22.53	22.49	0.1772
77	30	40	631334	3470.01	DFT-s-OFDM QPSK	100@0	23.52	23.45	26.50	26.46	0.4421
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.15	24.58	27.38	27.34	0.5421
77	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	100@0	22.5	22.52	25.52	25.48	0.3532
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.69	25.62	28.67	28.63	0.7287
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@0	19.7	19.59	22.66	22.62	0.1826
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@104	25.39	25.78	28.60	28.56	0.7177
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	2@0	19.7	19.64	22.68	22.64	0.1837
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	50@25	25.52	25.84	28.69	28.65	0.7334
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	2@104	19.39	19.72	22.57	22.53	0.1790
77	30	40	633334	3500.01	DFT-s-OFDM QPSK	100@0	23.6	23.85	26.74	26.70	0.4674
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.76	24.72	27.75	27.71	0.5902
77	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	100@0	22.61	22.8	25.72	25.68	0.3695
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.41	26.08	28.77	28.73	0.7461
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@0	19.48	19.97	22.74	22.70	0.1863
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@104	25.33	25.98	28.68	28.64	0.7307
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	2@0	19.48	20.04	22.78	22.74	0.1879
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	50@25	25.61	25.99	28.81	28.77	0.7541
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	2@104	19.32	19.93	22.65	22.61	0.1822
77	30	40	635332	3529.98	DFT-s-OFDM QPSK	100@0	23.64	24.08	26.88	26.84	0.4826
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.35	25.02	27.71	27.67	0.5845
77	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	100@0	22.63	22.98	25.82	25.78	0.3783
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.06	25.49	28.29	28.25	0.6684
77	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@0	19.01	19.5	22.27	22.23	0.1672