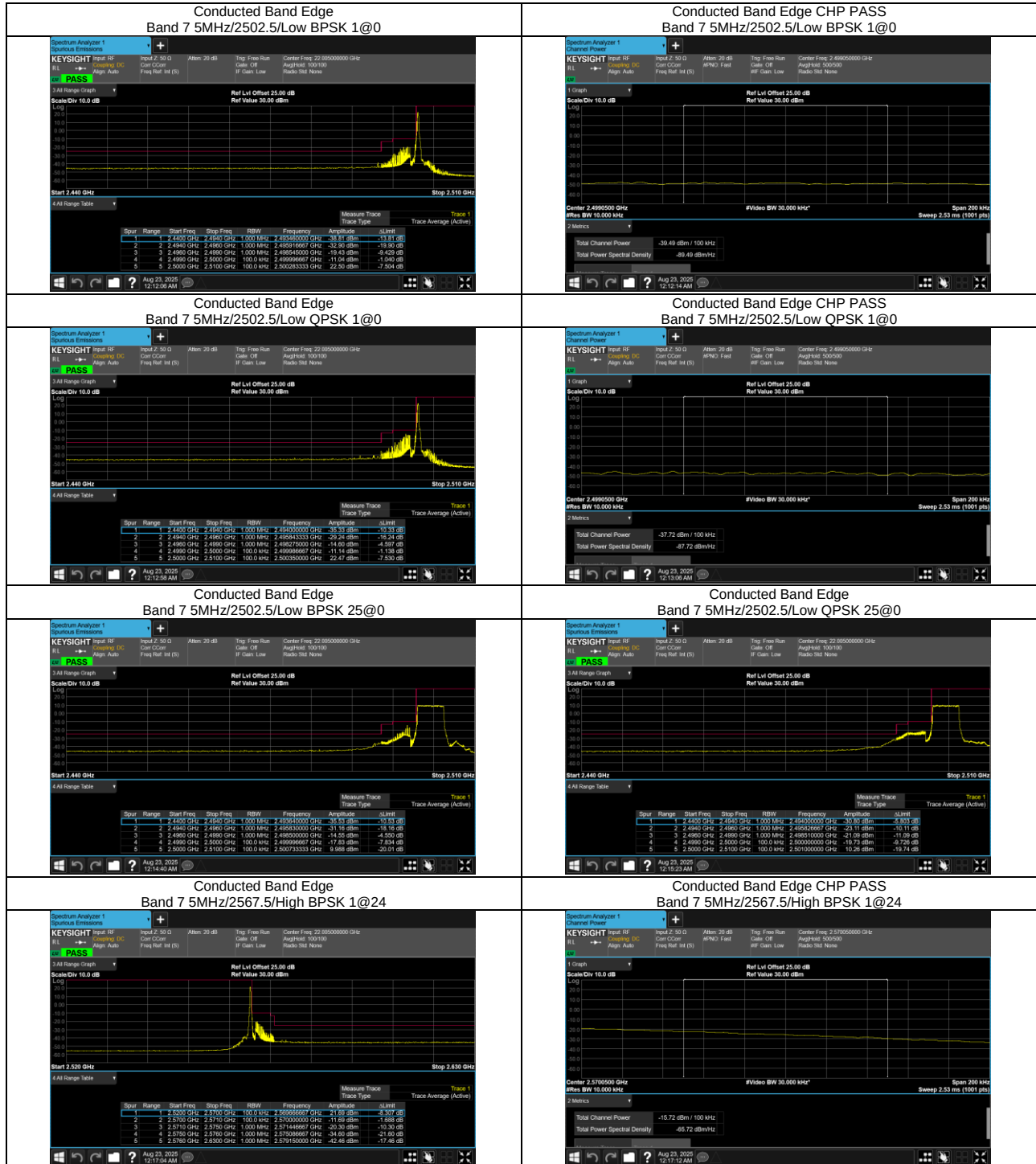
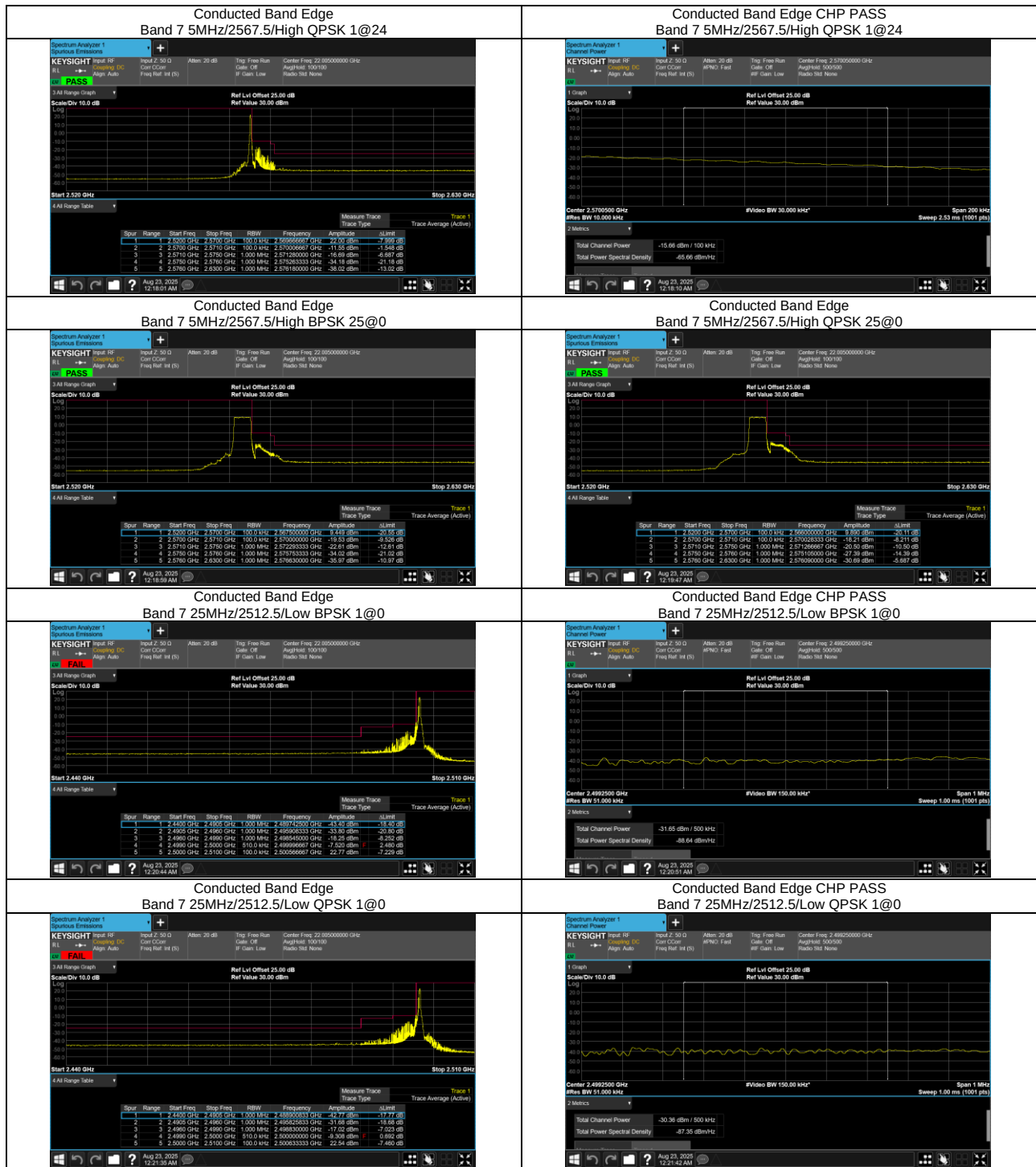




Test Graphs







Conducted Band Edge
Band 7 25MHz/2512.5/Low BPSK 128@0

Conducted Band Edge
Band 7 25MHz/2512.5/Low QPSK 128@0

Conducted Band Edge
Band 7 25MHz/2557.5/High BPSK 1@132

Conducted Band Edge CHP PASS
Band 7 25MHz/2557.5/High BPSK 1@132

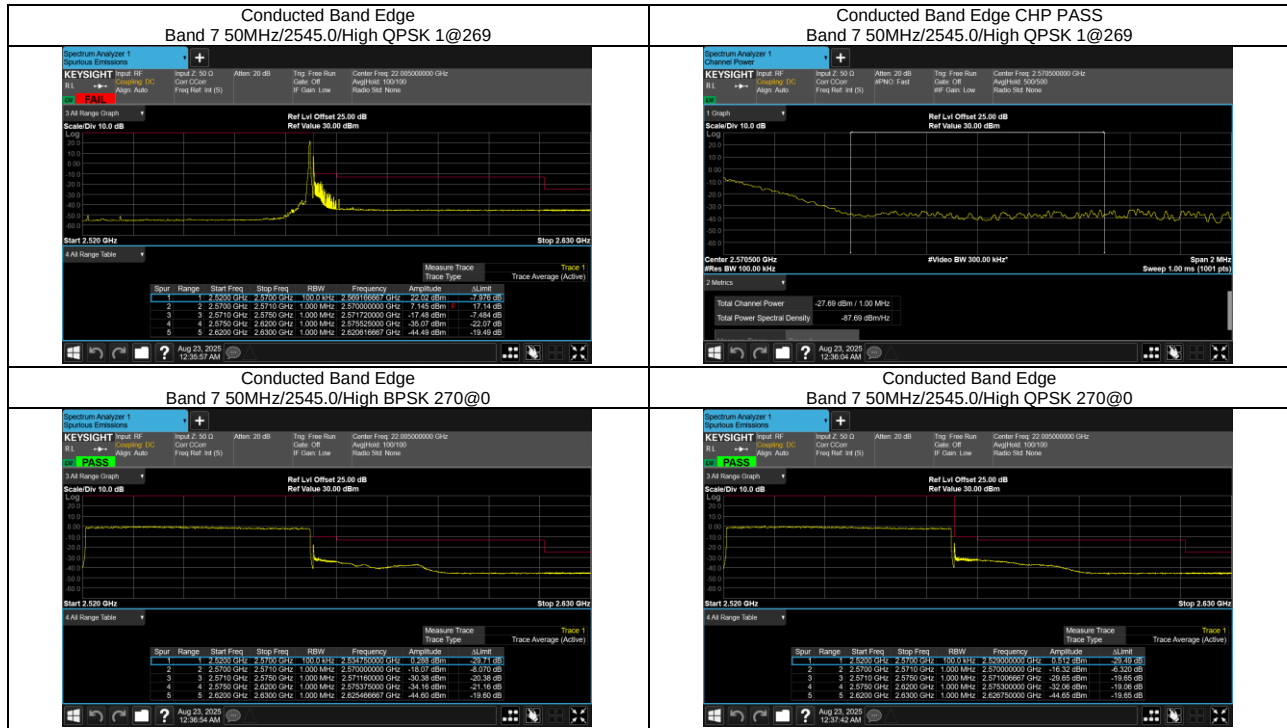
Conducted Band Edge
Band 7 25MHz/2557.5/High QPSK 1@132

Conducted Band Edge CHP PASS
Band 7 25MHz/2557.5/High QPSK 1@132

Conducted Band Edge
Band 7 25MHz/2557.5/High BPSK 128@0

Conducted Band Edge
Band 7 25MHz/2557.5/High QPSK 128@0







FR1 N7 TXD (ANT8)

Frequency Stability

Test Result

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0056	PASS	NV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0030	PASS	LV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0033	PASS	HV
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0000	PASS	-30℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0068	PASS	-20℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0014	PASS	-10℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0036	PASS	0℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0059	PASS	10℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0049	PASS	20℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0037	PASS	30℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0056	PASS	40℃
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	0.0067	PASS	50℃

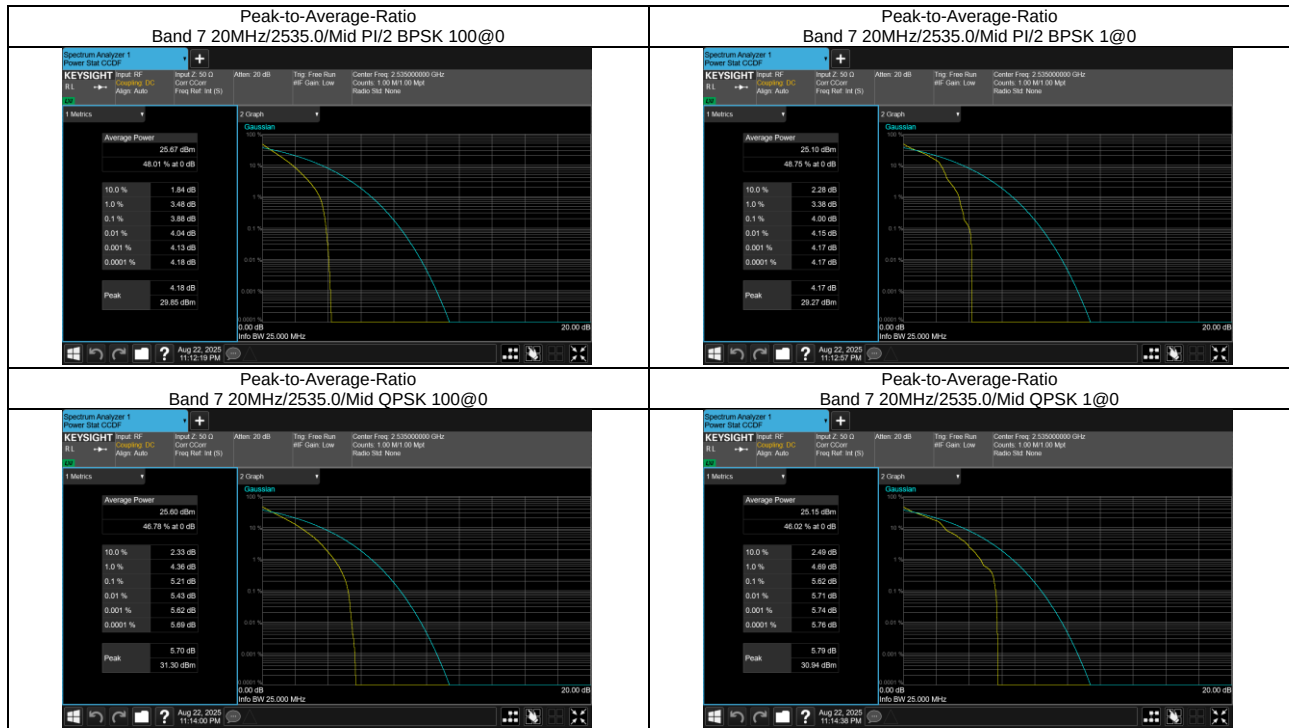
Peak to Average Ratio

Test Result

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
7	15	20	507000	2535.0	DFT-s-OFDM PI/2 BPSK	100@0	3.88	13
7	15	20	507000	2535.0	DFT-s-OFDM PI/2 BPSK	1@0	4.0	13
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	100@0	5.21	13
7	15	20	507000	2535.0	DFT-s-OFDM QPSK	1@0	5.62	13



Test Graphs





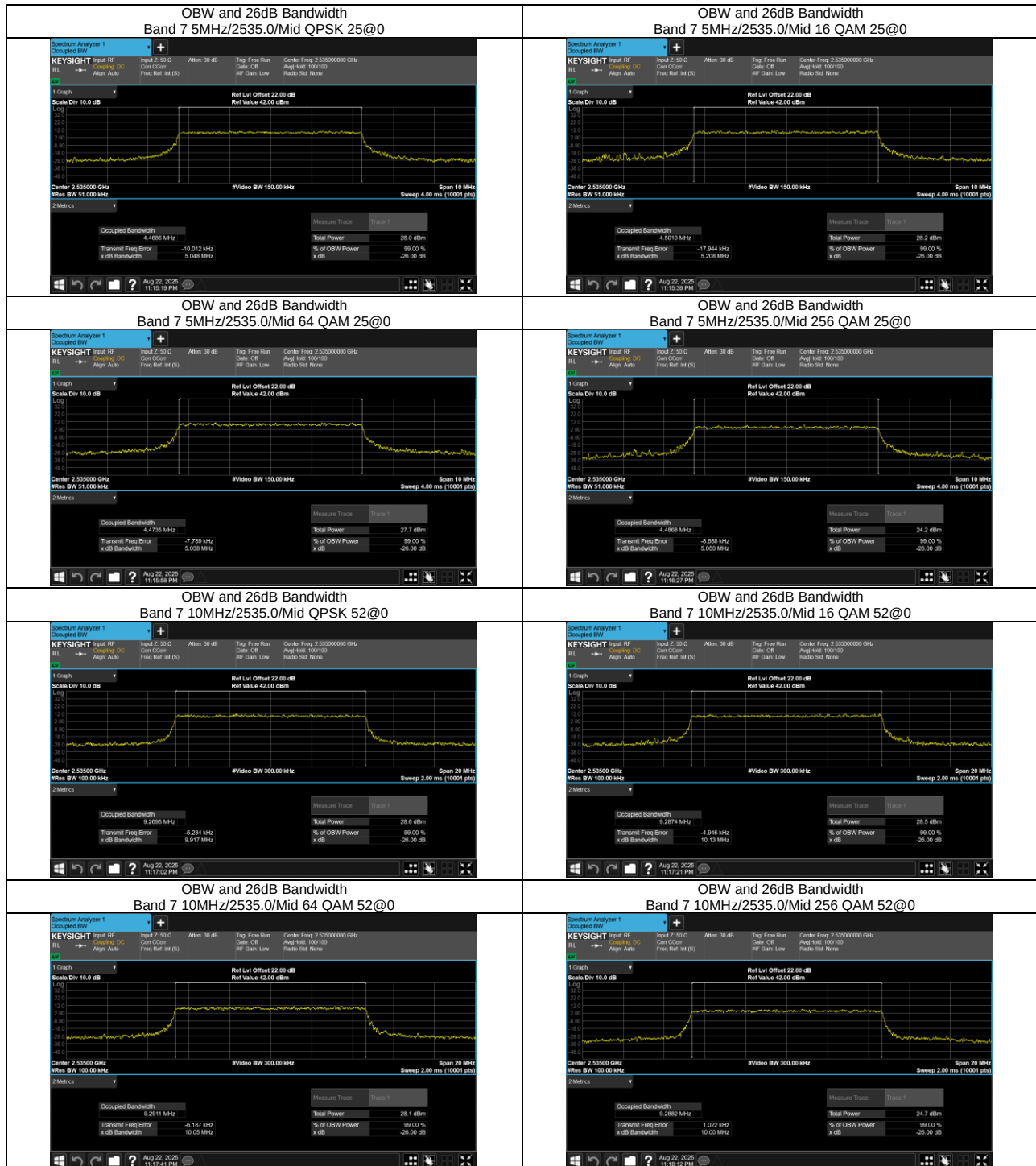
Occupied Bandwidth

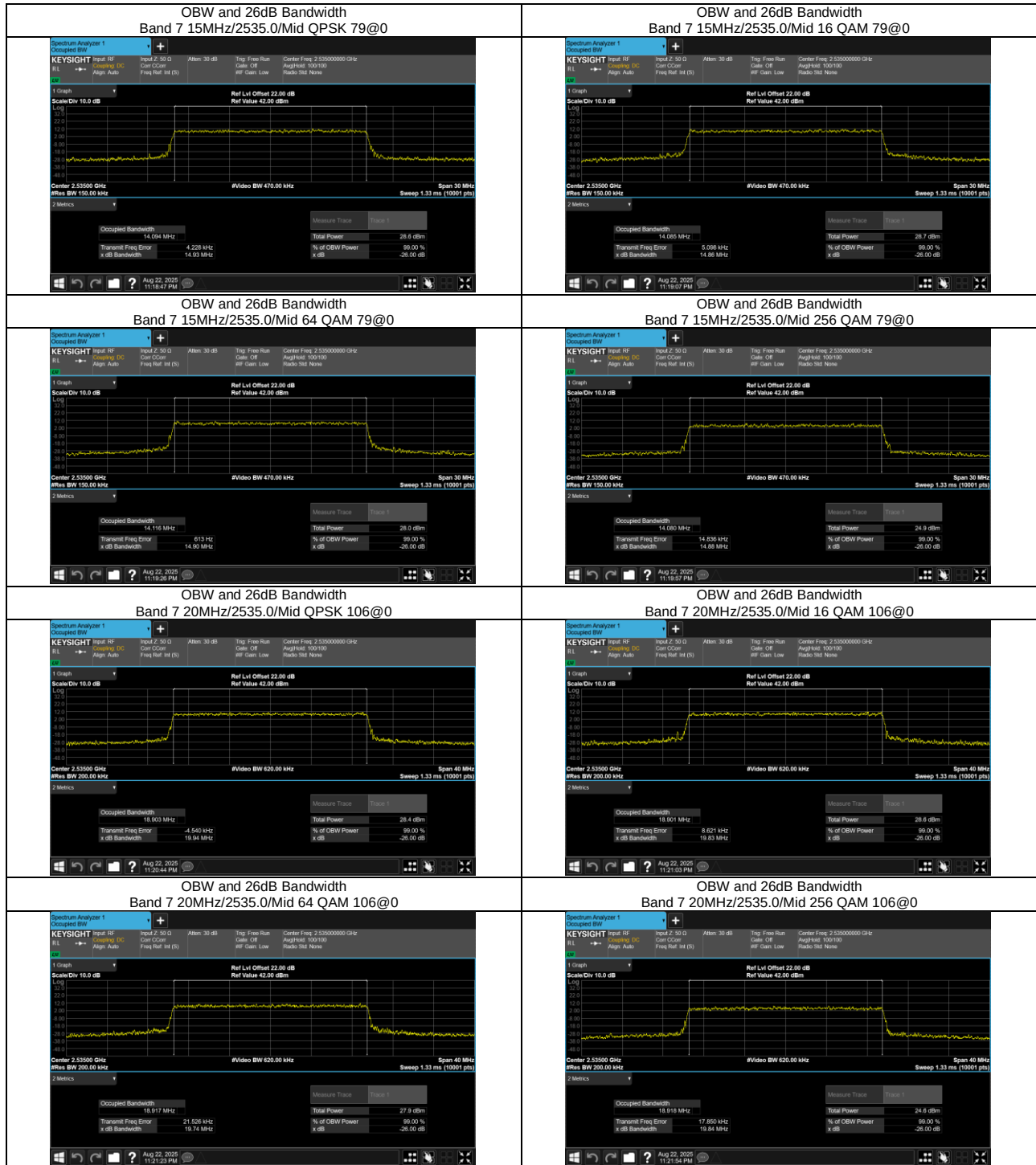
Test Result

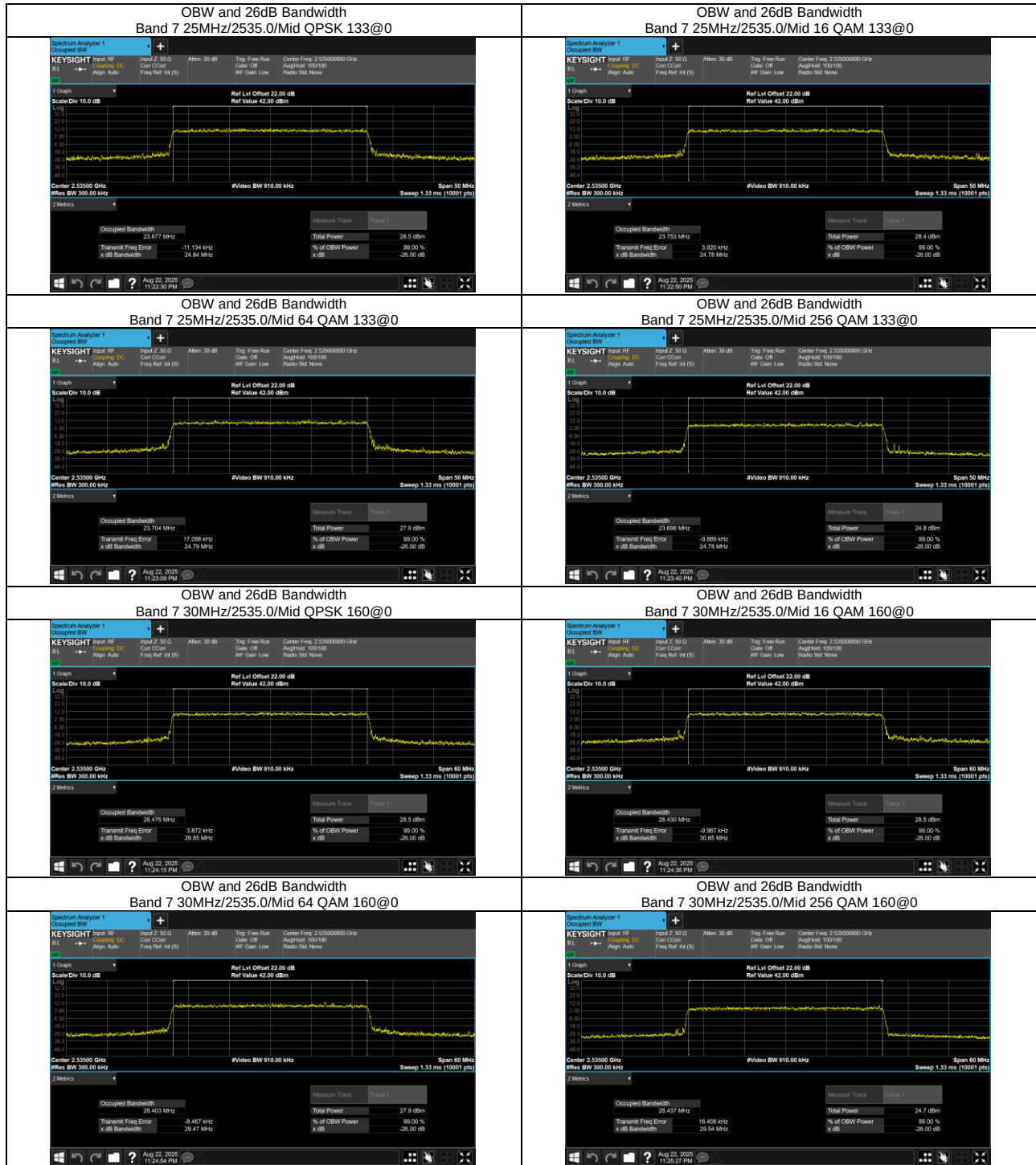
NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
7	15	5	507000	2535.0	CP-OFDM QPSK	25@0	4.47	5.048
7	15	5	507000	2535.0	CP-OFDM 16 QAM	25@0	4.5	5.208
7	15	5	507000	2535.0	CP-OFDM 64 QAM	25@0	4.47	5.038
7	15	5	507000	2535.0	CP-OFDM 256 QAM	25@0	4.49	5.05
7	15	10	507000	2535.0	CP-OFDM QPSK	52@0	9.27	9.917
7	15	10	507000	2535.0	CP-OFDM 16 QAM	52@0	9.29	10.13
7	15	10	507000	2535.0	CP-OFDM 64 QAM	52@0	9.29	10.05
7	15	10	507000	2535.0	CP-OFDM 256 QAM	52@0	9.29	10.0
7	15	15	507000	2535.0	CP-OFDM QPSK	79@0	14.09	14.93
7	15	15	507000	2535.0	CP-OFDM 16 QAM	79@0	14.09	14.86
7	15	15	507000	2535.0	CP-OFDM 64 QAM	79@0	14.12	14.9
7	15	15	507000	2535.0	CP-OFDM 256 QAM	79@0	14.08	14.88
7	15	20	507000	2535.0	CP-OFDM QPSK	106@0	18.9	19.94
7	15	20	507000	2535.0	CP-OFDM 16 QAM	106@0	18.9	19.83
7	15	20	507000	2535.0	CP-OFDM 64 QAM	106@0	18.92	19.74
7	15	20	507000	2535.0	CP-OFDM 256 QAM	106@0	18.92	19.84
7	15	25	507000	2535.0	CP-OFDM QPSK	133@0	23.68	24.84
7	15	25	507000	2535.0	CP-OFDM 16 QAM	133@0	23.75	24.78
7	15	25	507000	2535.0	CP-OFDM 64 QAM	133@0	23.7	24.79
7	15	25	507000	2535.0	CP-OFDM 256 QAM	133@0	23.7	24.78
7	15	30	507000	2535.0	CP-OFDM QPSK	160@0	28.48	29.85
7	15	30	507000	2535.0	CP-OFDM 16 QAM	160@0	28.43	30.65
7	15	30	507000	2535.0	CP-OFDM 64 QAM	160@0	28.4	29.47
7	15	30	507000	2535.0	CP-OFDM 256 QAM	160@0	28.44	29.54
7	15	35	507000	2535.0	CP-OFDM QPSK	188@0	33.45	34.82
7	15	35	507000	2535.0	CP-OFDM 16 QAM	188@0	33.45	34.66
7	15	35	507000	2535.0	CP-OFDM 64 QAM	188@0	33.51	34.79
7	15	35	507000	2535.0	CP-OFDM 256 QAM	188@0	33.46	34.84
7	15	40	507000	2535.0	CP-OFDM QPSK	216@0	38.47	39.96
7	15	40	507000	2535.0	CP-OFDM 16 QAM	216@0	38.44	39.85
7	15	40	507000	2535.0	CP-OFDM 64 QAM	216@0	38.54	39.77
7	15	40	507000	2535.0	CP-OFDM 256 QAM	216@0	38.51	40.01
7	15	50	507000	2535.0	CP-OFDM QPSK	270@0	48.07	49.74
7	15	50	507000	2535.0	CP-OFDM 16 QAM	270@0	48.0	49.65
7	15	50	507000	2535.0	CP-OFDM 64 QAM	270@0	48.08	49.71
7	15	50	507000	2535.0	CP-OFDM 256 QAM	270@0	48.08	49.78

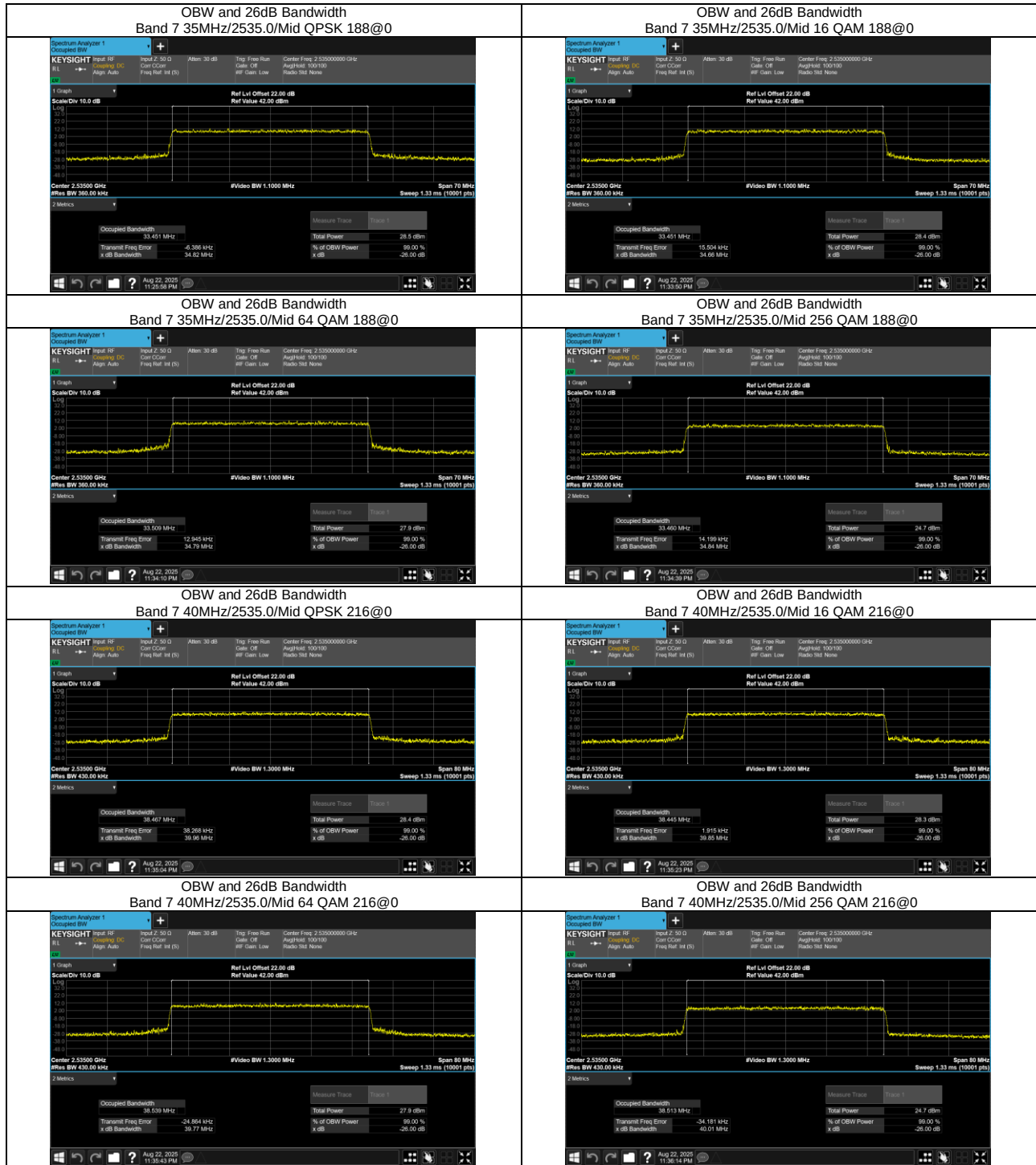


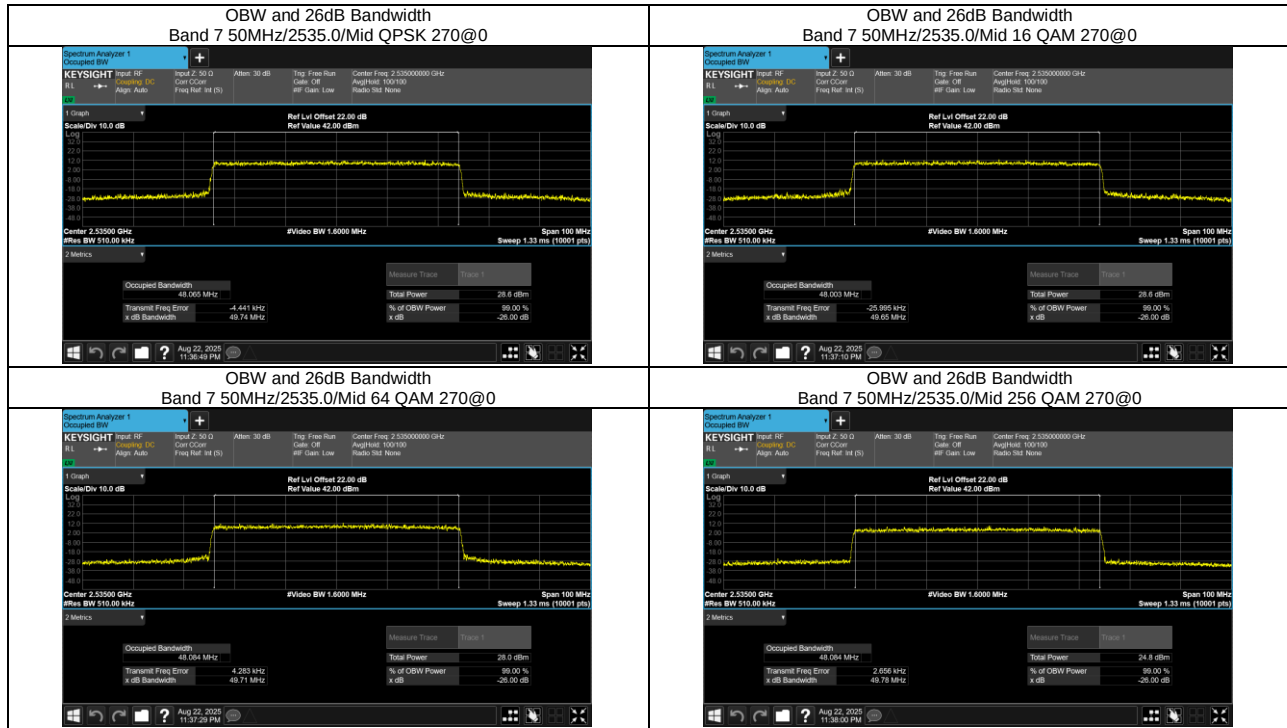
Test Graphs













Conducted Spurious Emissions

Test Result

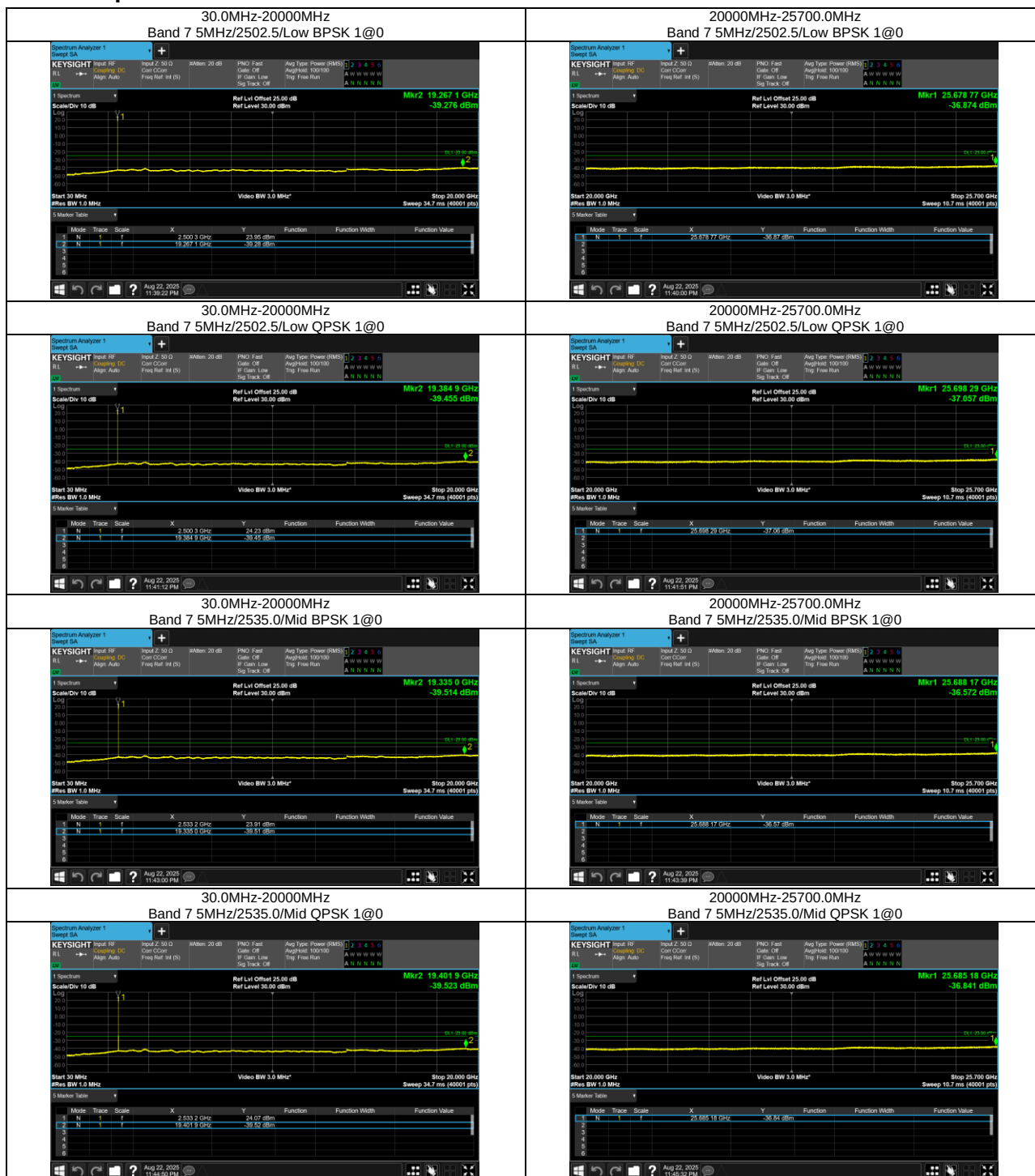
NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Freq_Range	Result	Limit	Verdict
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	23.952	-	-
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	-39.276	-25	PASS
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	20000MHz-25700.0MHz	-36.874	-25	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	30.0MHz-20000MHz	24.225	-	-
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	30.0MHz-20000MHz	-39.455	-25	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	20000MHz-25700.0MHz	-37.057	-25	PASS
7	15	5	507000	2535.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	23.914	-	-
7	15	5	507000	2535.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	-39.514	-25	PASS
7	15	5	507000	2535.0	DFT-s-OFDM BPSK	1@0	20000MHz-25700.0MHz	-36.572	-25	PASS
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	1@0	30.0MHz-20000MHz	24.068	-	-
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	1@0	30.0MHz-20000MHz	-39.523	-25	PASS
7	15	5	507000	2535.0	DFT-s-OFDM QPSK	1@0	20000MHz-25700.0MHz	-36.841	-25	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	23.723	-	-
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	-39.081	-25	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@0	20000MHz-25700.0MHz	-36.593	-25	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@0	30.0MHz-20000MHz	24.012	-	-
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@0	30.0MHz-20000MHz	-39.352	-25	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@0	20000MHz-25700.0MHz	-36.692	-25	PASS
7	15	25	502500	2512.5	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	24.055	-	-
7	15	25	502500	2512.5	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	-39.365	-25	PASS
7	15	25	502500	2512.5	DFT-s-OFDM BPSK	1@0	20000MHz-25700.0MHz	-36.794	-25	PASS
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	1@0	30.0MHz-20000MHz	24.434	-	-
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	1@0	30.0MHz-20000MHz	-39.597	-25	PASS
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	1@0	20000MHz-25700.0MHz	-36.694	-25	PASS
7	15	25	507000	2535.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	24.332	-	-
7	15	25	507000	2535.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	-39.419	-25	PASS
7	15	25	507000	2535.0	DFT-s-OFDM BPSK	1@0	20000MHz-25700.0MHz	-36.892	-25	PASS
7	15	25	507000	2535.0	DFT-s-OFDM QPSK	1@0	30.0MHz-20000MHz	24.84	-	-
7	15	25	507000	2535.0	DFT-s-OFDM QPSK	1@0	30.0MHz-20000MHz	-39.419	-25	PASS
7	15	25	507000	2535.0	DFT-s-OFDM QPSK	1@0	20000MHz-25700.0MHz	-36.695	-25	PASS
7	15	25	511500	2557.5	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	24.035	-	-
7	15	25	511500	2557.5	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	-39.302	-25	PASS
7	15	25	511500	2557.5	DFT-s-OFDM BPSK	1@0	20000MHz-25700.0MHz	-36.661	-25	PASS
7	15	25	511500	2557.5	DFT-s-OFDM QPSK	1@0	30.0MHz-20000MHz	23.777	-	-
7	15	25	511500	2557.5	DFT-s-OFDM QPSK	1@0	30.0MHz-20000MHz	-39.432	-25	PASS

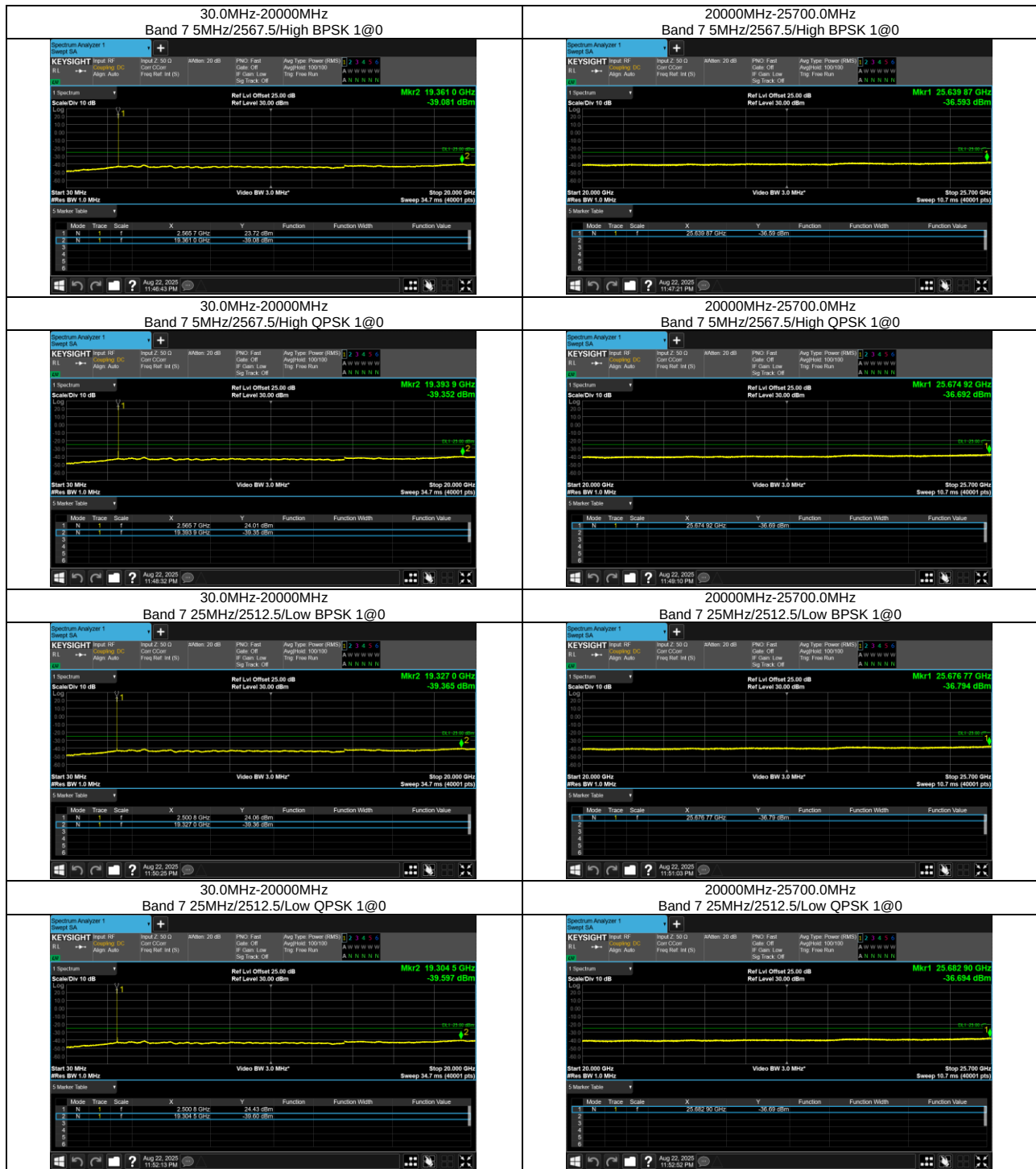


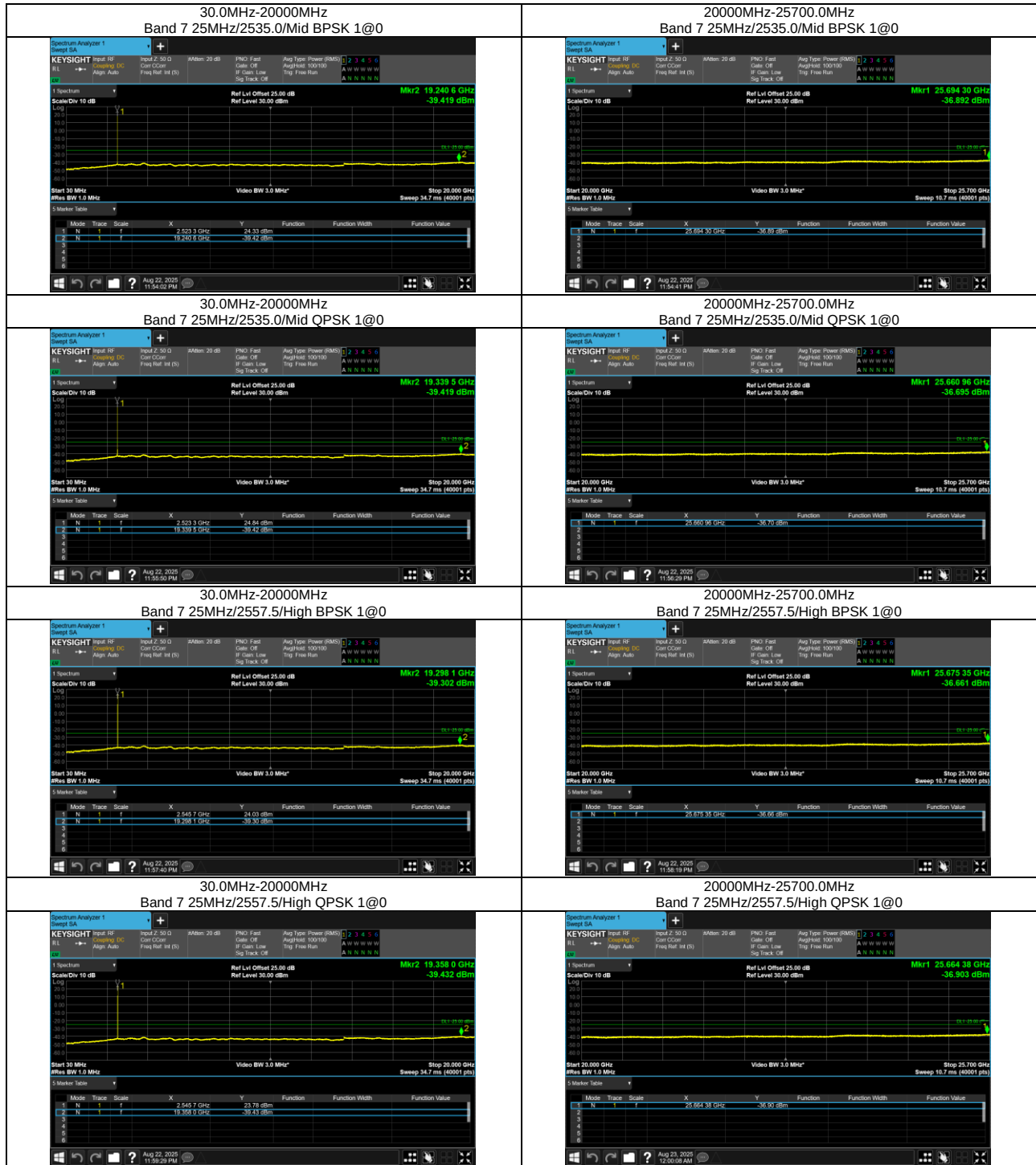
					QPSK		20000MHz			
7	15	25	511500	2557.5	DFT-s-OFDM QPSK	1@0	20000MHz- 25700.0MHz	-36.903	-25	PASS
7	15	50	505000	2525.0	DFT-s-OFDM BPSK	1@0	30.0MHz- 20000MHz	23.986	-	-
7	15	50	505000	2525.0	DFT-s-OFDM BPSK	1@0	30.0MHz- 20000MHz	-39.374	-25	PASS
7	15	50	505000	2525.0	DFT-s-OFDM BPSK	1@0	20000MHz- 25700.0MHz	-36.676	-25	PASS
7	15	50	505000	2525.0	DFT-s-OFDM QPSK	1@0	30.0MHz- 20000MHz	24.14	-	-
7	15	50	505000	2525.0	DFT-s-OFDM QPSK	1@0	30.0MHz- 20000MHz	-39.472	-25	PASS
7	15	50	505000	2525.0	DFT-s-OFDM QPSK	1@0	20000MHz- 25700.0MHz	-36.662	-25	PASS
7	15	50	507000	2535.0	DFT-s-OFDM BPSK	1@0	30.0MHz- 20000MHz	23.708	-	-
7	15	50	507000	2535.0	DFT-s-OFDM BPSK	1@0	30.0MHz- 20000MHz	-39.459	-25	PASS
7	15	50	507000	2535.0	DFT-s-OFDM BPSK	1@0	20000MHz- 25700.0MHz	-36.813	-25	PASS
7	15	50	507000	2535.0	DFT-s-OFDM QPSK	1@0	30.0MHz- 20000MHz	23.63	-	-
7	15	50	507000	2535.0	DFT-s-OFDM QPSK	1@0	30.0MHz- 20000MHz	-39.605	-25	PASS
7	15	50	507000	2535.0	DFT-s-OFDM QPSK	1@0	20000MHz- 25700.0MHz	-36.71	-25	PASS
7	15	50	509000	2545.0	DFT-s-OFDM BPSK	1@0	30.0MHz- 20000MHz	23.785	-	-
7	15	50	509000	2545.0	DFT-s-OFDM BPSK	1@0	30.0MHz- 20000MHz	-39.475	-25	PASS
7	15	50	509000	2545.0	DFT-s-OFDM BPSK	1@0	20000MHz- 25700.0MHz	-36.622	-25	PASS
7	15	50	509000	2545.0	DFT-s-OFDM QPSK	1@0	30.0MHz- 20000MHz	24.131	-	-
7	15	50	509000	2545.0	DFT-s-OFDM QPSK	1@0	30.0MHz- 20000MHz	-39.481	-25	PASS
7	15	50	509000	2545.0	DFT-s-OFDM QPSK	1@0	20000MHz- 25700.0MHz	-36.592	-25	PASS

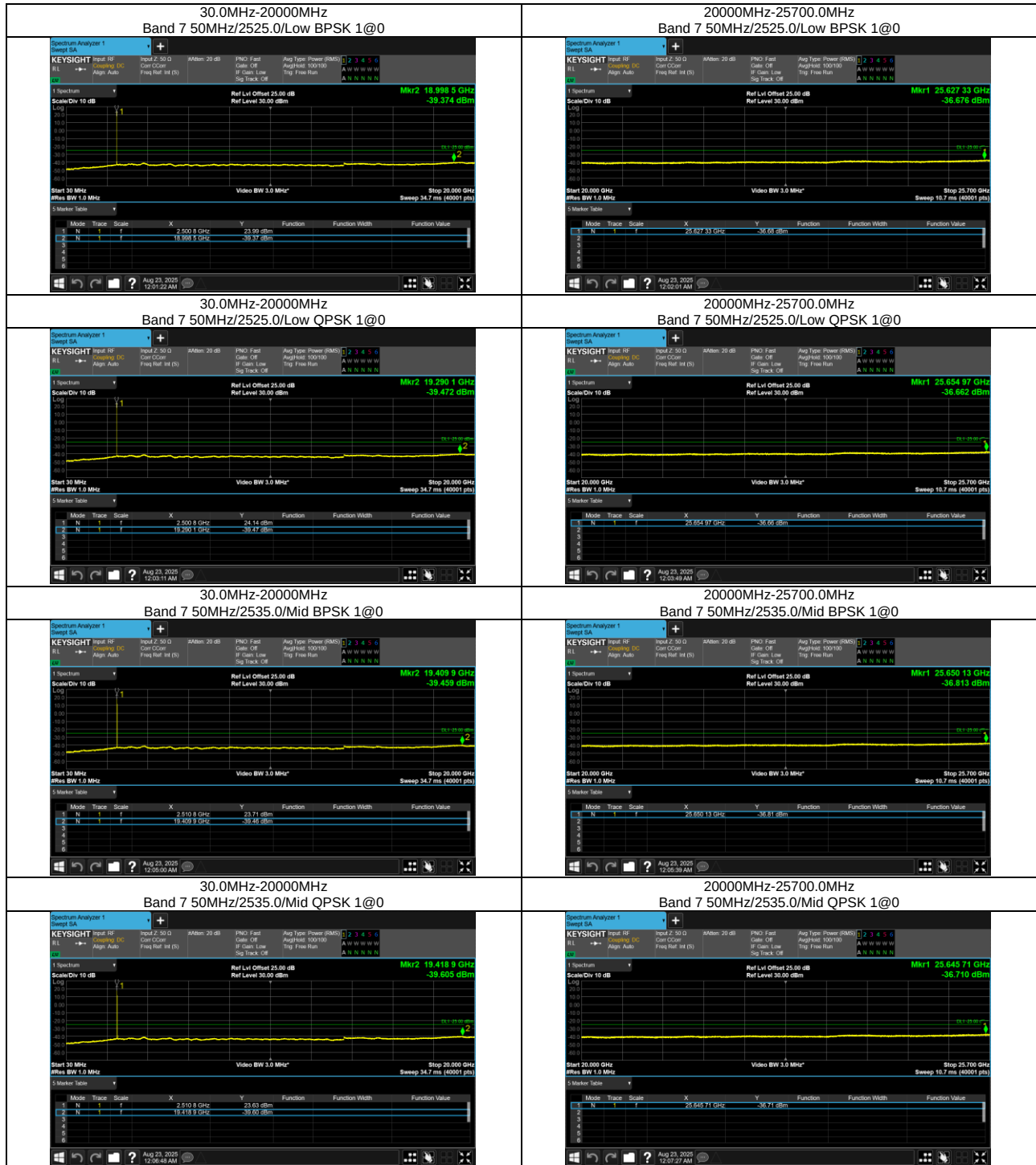


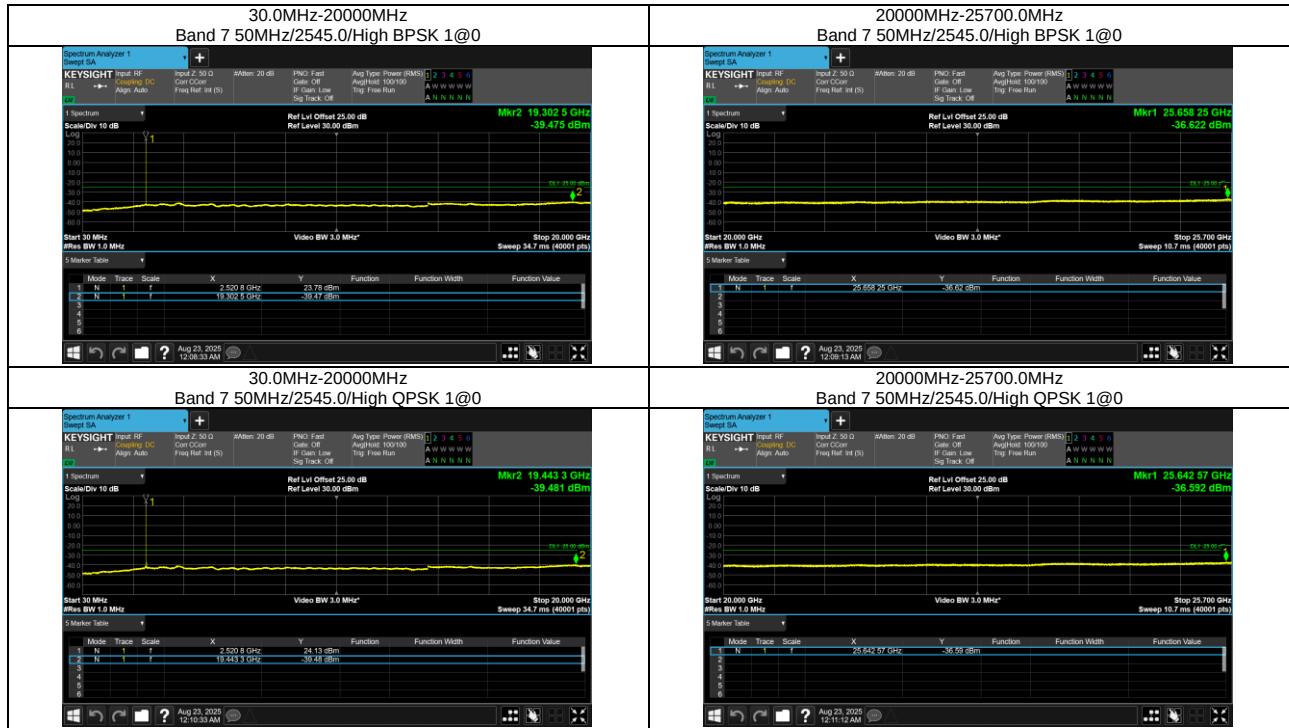
Test Graphs













Conducted Band Edge

Test Result

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
7	15	5	500500	2502.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
7	15	5	513500	2567.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
7	15	25	502500	2512.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	25	502500	2512.5	DFT-s-OFDM BPSK	128@0	see graph	PASS
7	15	25	502500	2512.5	DFT-s-OFDM QPSK	128@0	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM BPSK	1@132	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM QPSK	1@132	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM BPSK	128@0	see graph	PASS
7	15	25	511500	2557.5	DFT-s-OFDM QPSK	128@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
7	15	50	505000	2525.0	DFT-s-OFDM QPSK	270@0	see graph	PASS
7	15	50	509000	2545.0	DFT-s-OFDM BPSK	1@269	see graph	PASS
7	15	50	509000	2545.0	DFT-s-OFDM QPSK	1@269	see graph	PASS
7	15	50	509000	2545.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
7	15	50	509000	2545.0	DFT-s-OFDM QPSK	270@0	see graph	PASS