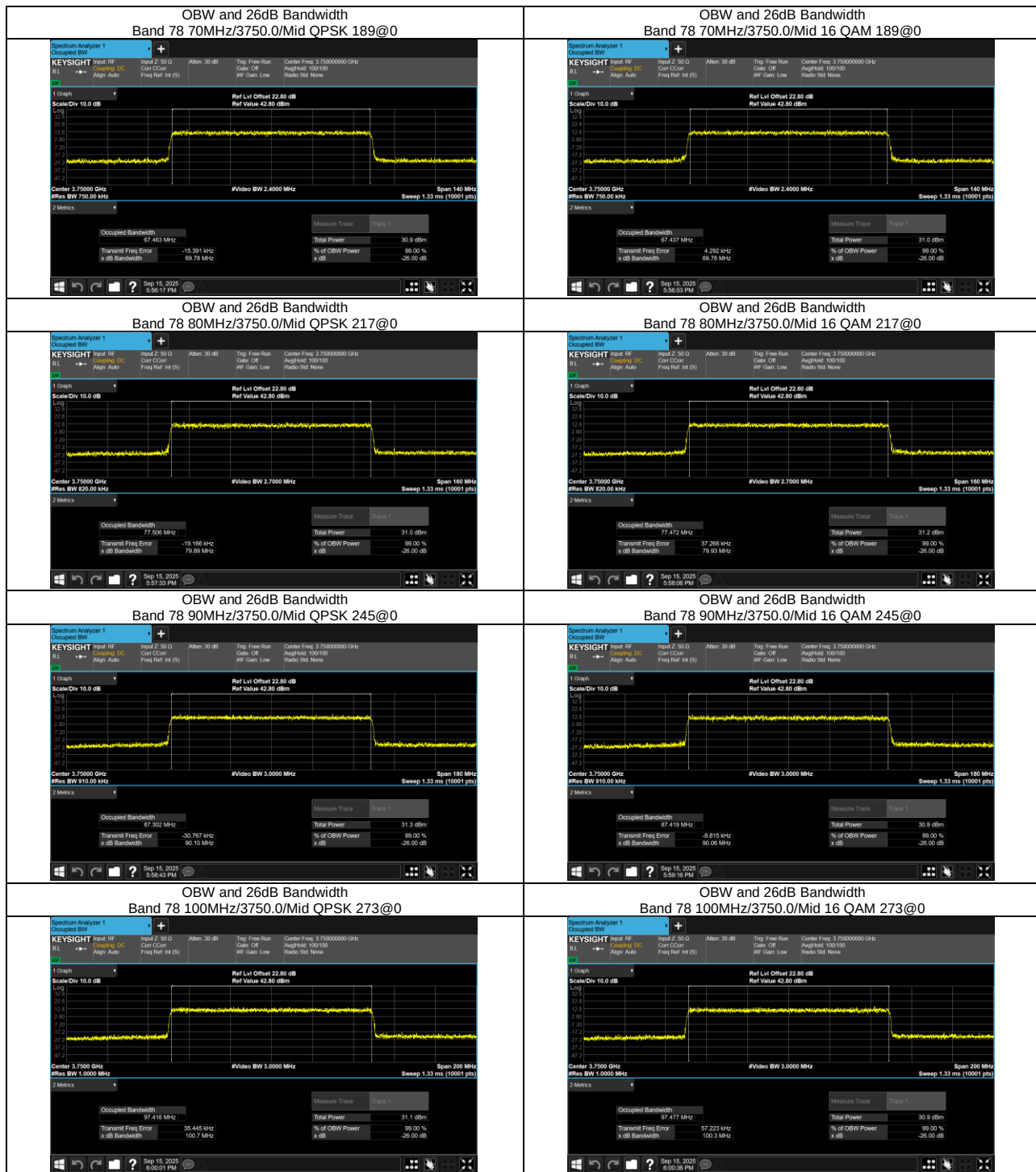






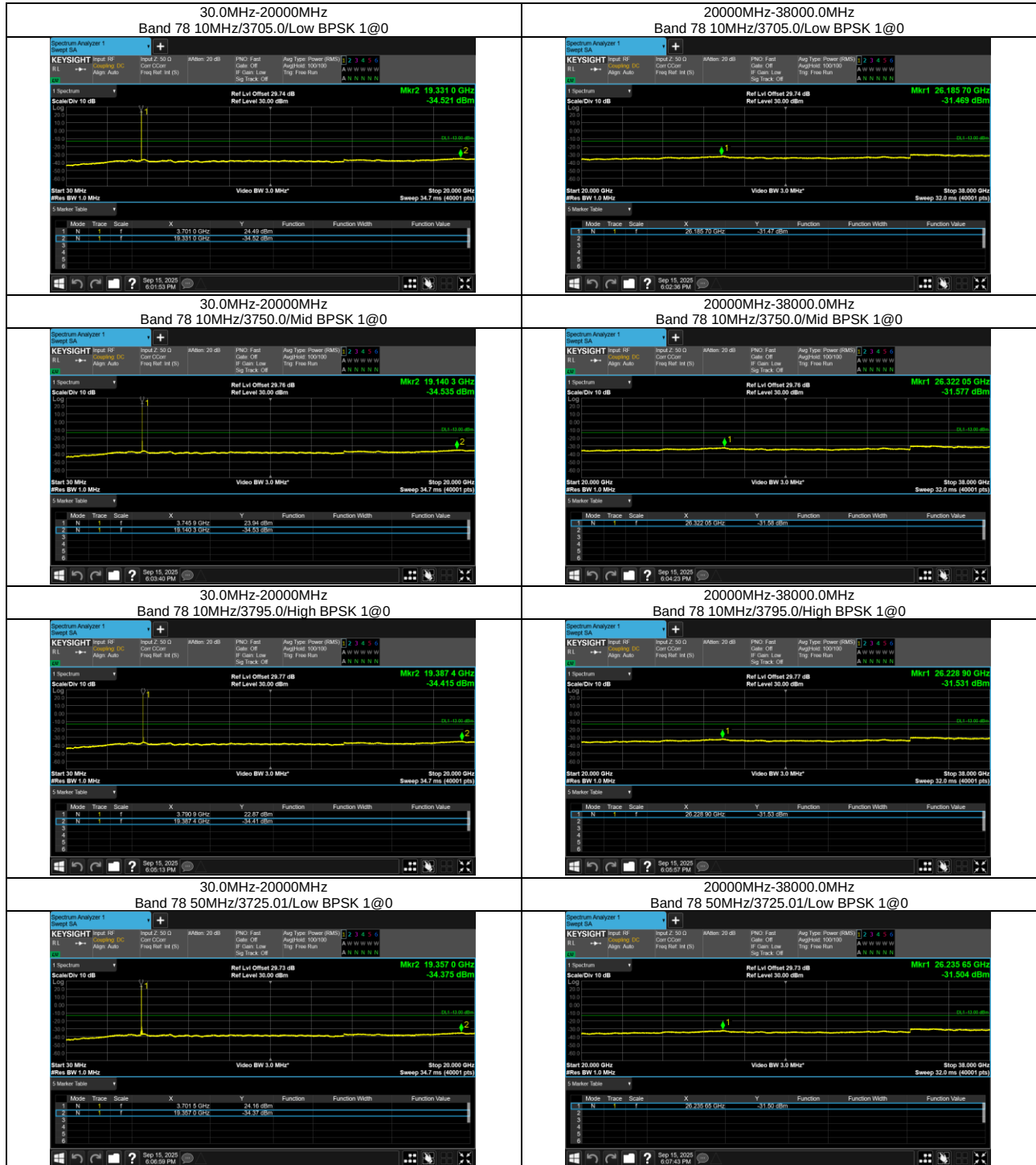
Conducted Spurious Emissions

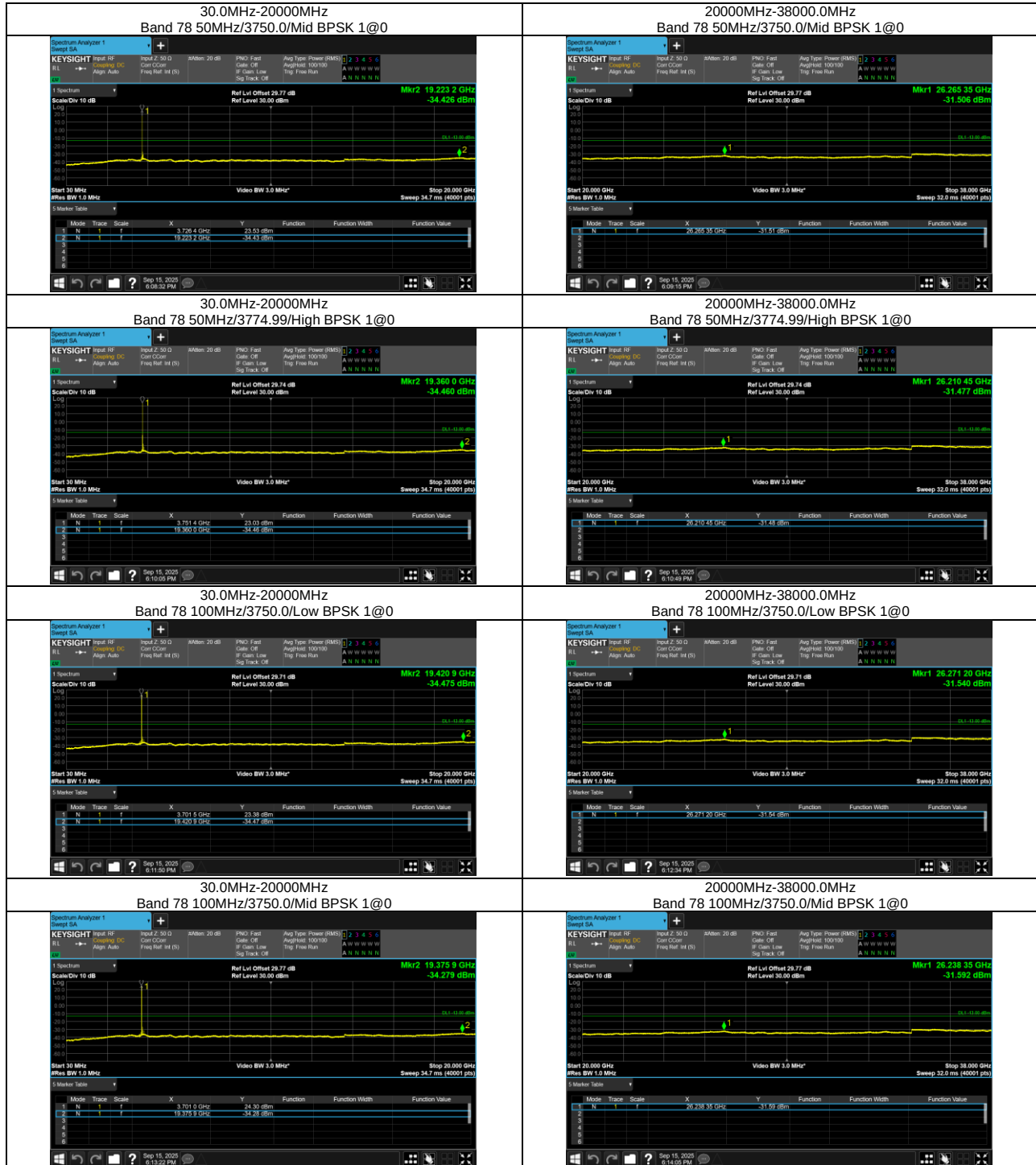
Test Result

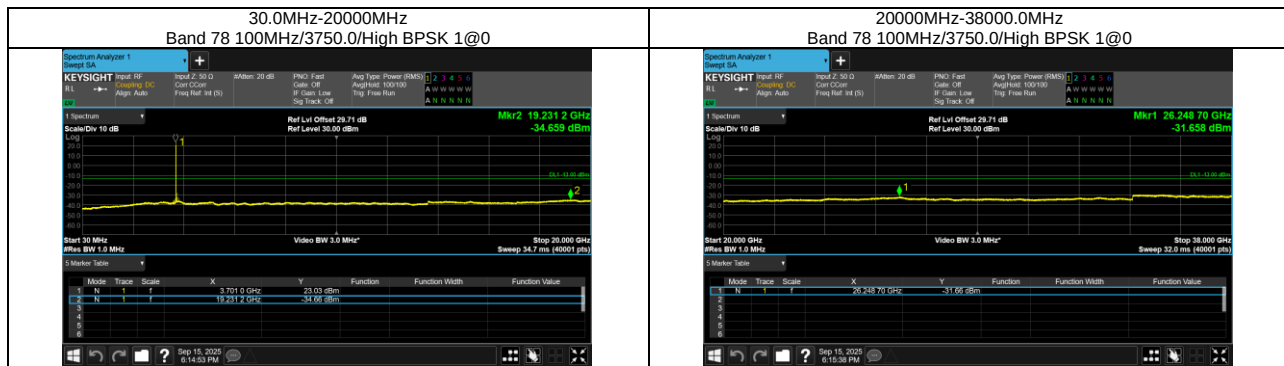
NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Freq_Range	Result	Limit	Verdict
78	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	24.486	-	-
78	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	-34.521	-13	PASS
78	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	20000MHz-38000.0MHz	-31.469	-13	PASS
78	30	10	650000	3750.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	23.942	-	-
78	30	10	650000	3750.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	-34.535	-13	PASS
78	30	10	650000	3750.0	DFT-s-OFDM BPSK	1@0	20000MHz-38000.0MHz	-31.577	-13	PASS
78	30	10	653000	3795.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	22.872	-	-
78	30	10	653000	3795.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	-34.415	-13	PASS
78	30	10	653000	3795.0	DFT-s-OFDM BPSK	1@0	20000MHz-38000.0MHz	-31.531	-13	PASS
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	24.16	-	-
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	-34.375	-13	PASS
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	20000MHz-38000.0MHz	-31.504	-13	PASS
78	30	50	650000	3750.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	23.525	-	-
78	30	50	650000	3750.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	-34.426	-13	PASS
78	30	50	650000	3750.0	DFT-s-OFDM BPSK	1@0	20000MHz-38000.0MHz	-31.506	-13	PASS
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	23.026	-	-
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	-34.460	-13	PASS
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	1@0	20000MHz-38000.0MHz	-31.477	-13	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	23.377	-	-
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	-34.475	-13	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	20000MHz-38000.0MHz	-31.54	-13	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	24.304	-	-
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	-34.279	-13	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	20000MHz-38000.0MHz	-31.592	-13	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	23.03	-	-
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	30.0MHz-20000MHz	-34.659	-13	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	20000MHz-38000.0MHz	-31.658	-13	PASS



Test Graphs









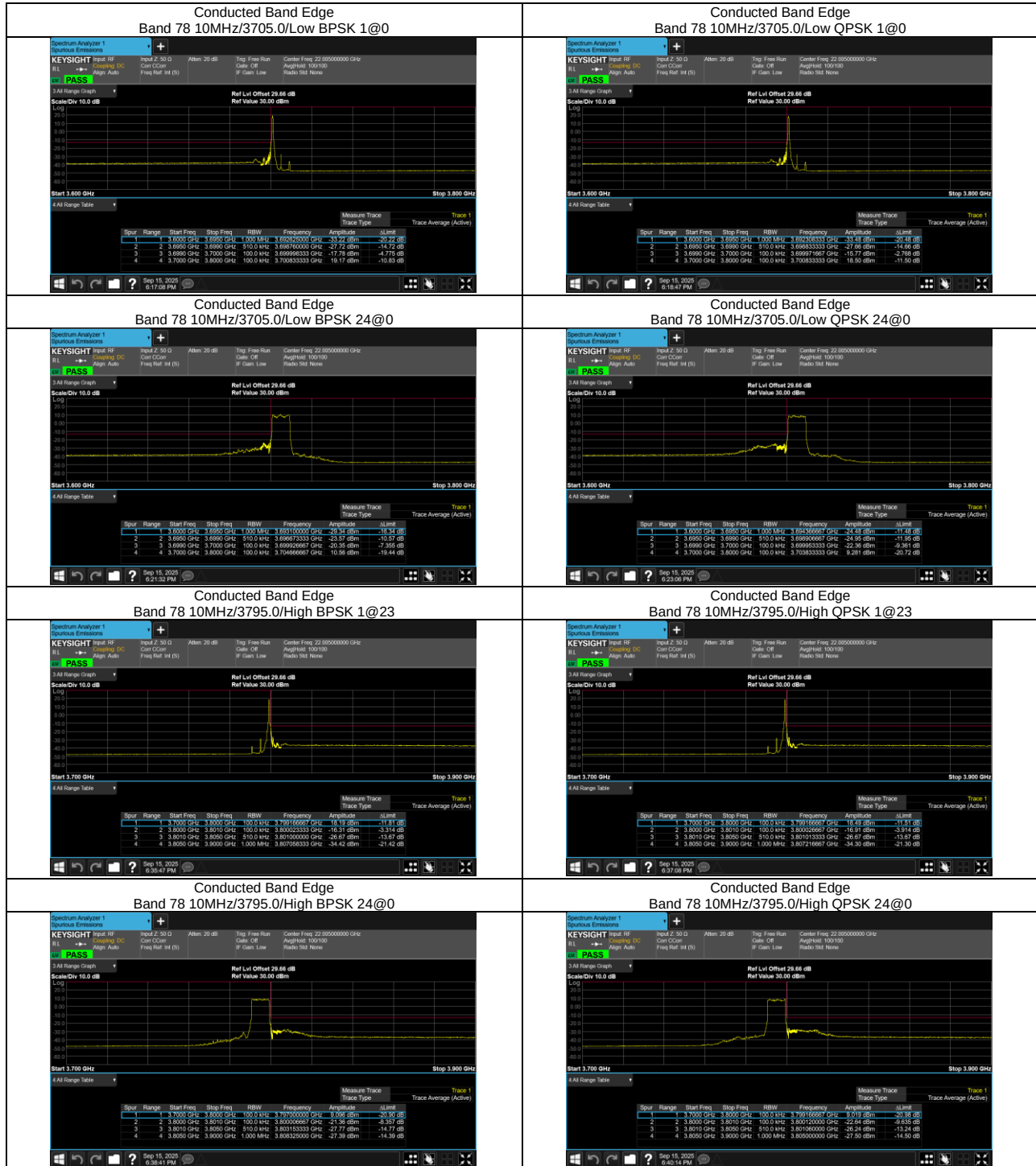
Conducted Band Edge

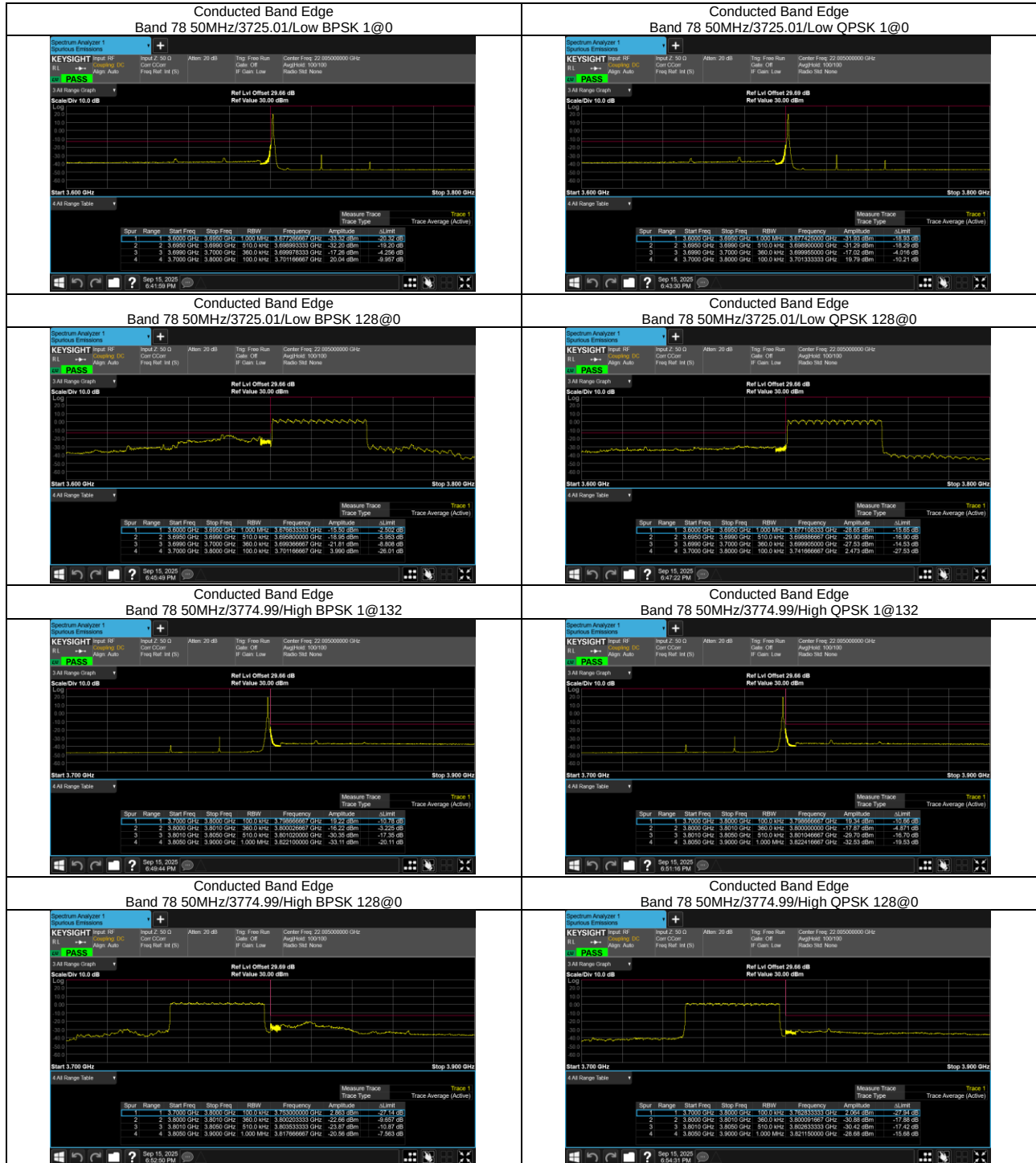
Test Result

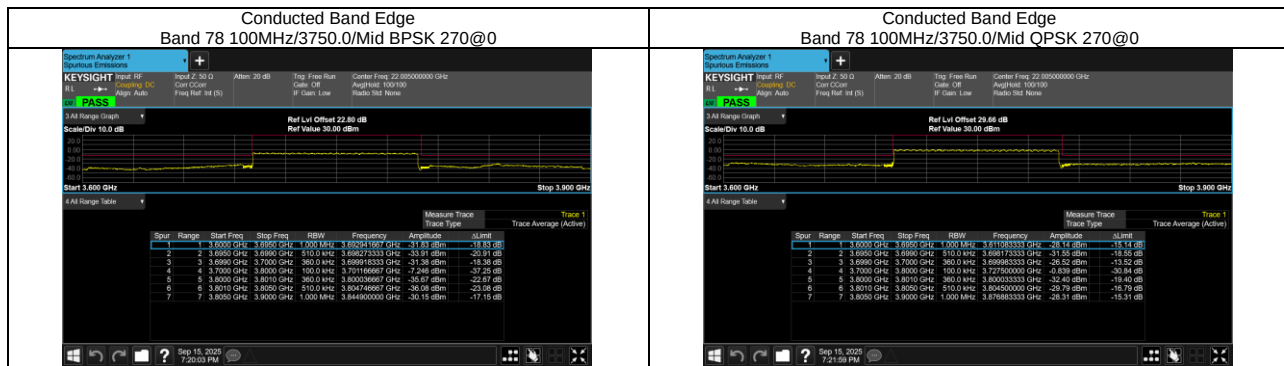
NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
78	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	10	647000	3705.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
78	30	10	647000	3705.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
78	30	10	653000	3795.0	DFT-s-OFDM BPSK	1@23	see graph	PASS
78	30	10	653000	3795.0	DFT-s-OFDM QPSK	1@23	see graph	PASS
78	30	10	653000	3795.0	DFT-s-OFDM BPSK	24@0	see graph	PASS
78	30	10	653000	3795.0	DFT-s-OFDM QPSK	24@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	128@0	see graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	128@0	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	1@132	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@132	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	128@0	see graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	128@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@272	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@272	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	PASS
78	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	PASS



Test Graphs









Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris	Temperature :	21~25℃
		Relative Humidity :	51~53%

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

n77 SA / NR 100MHz / QPSK(ANT9)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7583	-52.66	-13	-39.66	-62.87	3.03	13.24	H
	11378	-58.10	-13	-45.10	-67.55	3.56	13.01	H
	15162	-57.63	-13	-44.63	-67.15	3.92	13.44	H
	7583	-56.29	-13	-43.29	-66.50	3.03	13.24	V
	11378	-59.93	-13	-46.93	-69.38	3.56	13.01	V
	15162	-55.26	-13	-42.26	-64.78	3.92	13.44	V

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

n78 SA / NR 100MHz / QPSK(ANT9)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7407	-55.29	-13	-42.29	-65.50	3.03	13.24	H
	11114	-59.35	-13	-46.35	-68.80	3.56	13.01	H
	14810	-58.47	-13	-45.47	-67.99	3.92	13.44	H
	7407	-57.80	-13	-44.80	-68.01	3.03	13.24	V
	11114	-59.23	-13	-46.23	-68.68	3.56	13.01	V
	14810	-56.45	-13	-43.45	-65.97	3.92	13.44	V

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