

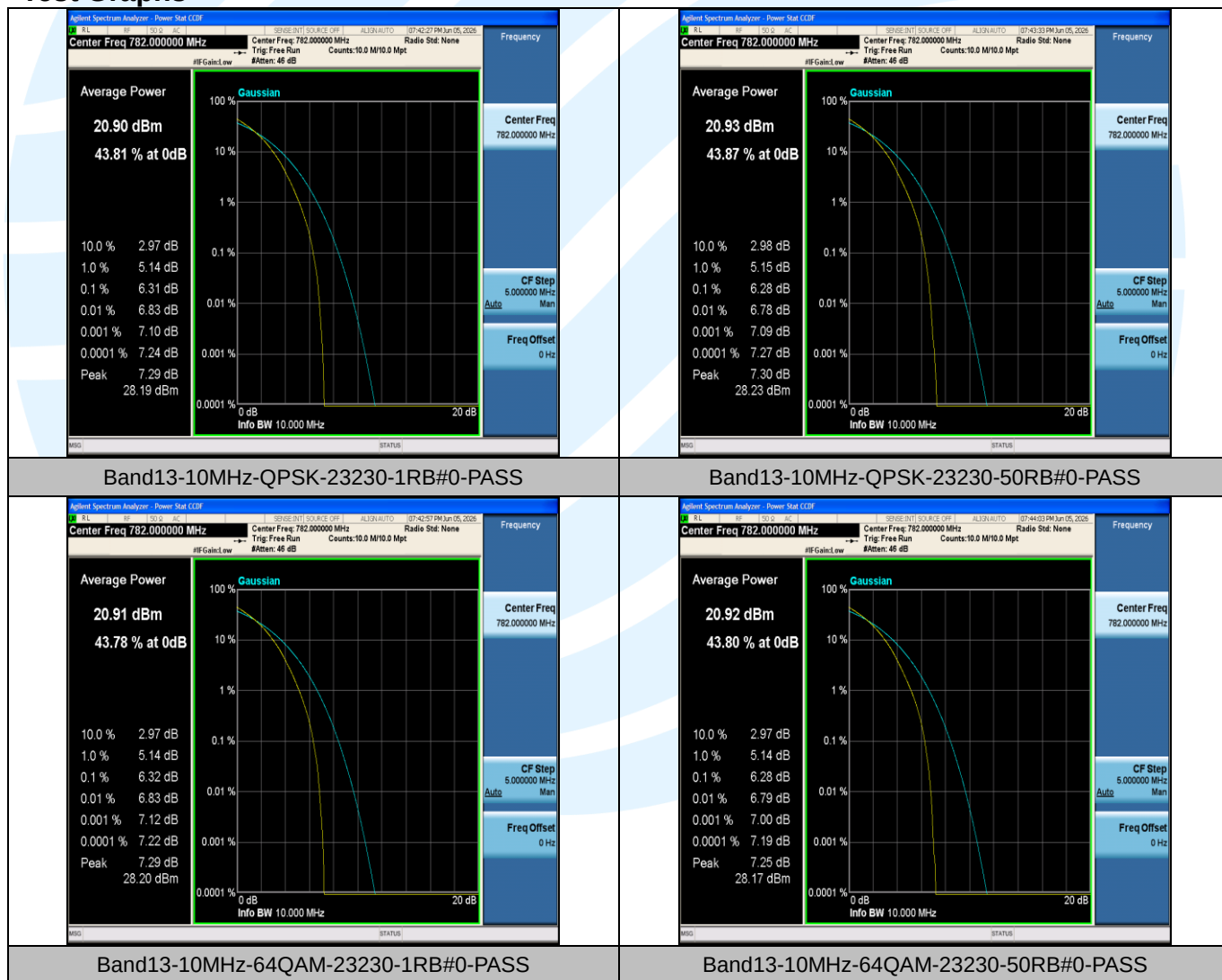
APPENDIX D LTE RF TEST DATA

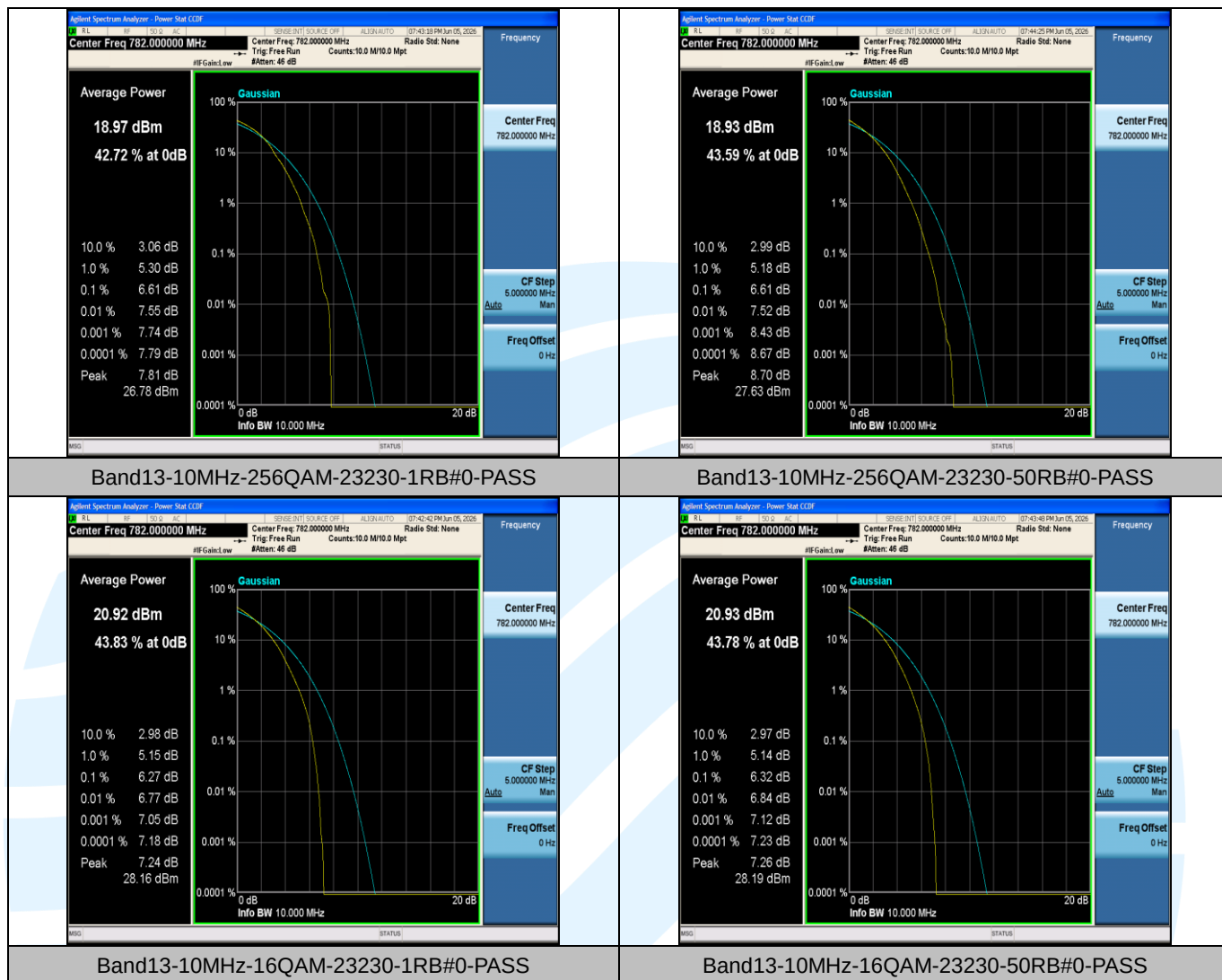
D.1 PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band13	10MHz	QPSK	23230	1RB#0	6.31	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	6.28	13	PASS
Band13	10MHz	64QAM	23230	1RB#0	6.32	13	PASS
Band13	10MHz	64QAM	23230	50RB#0	6.28	13	PASS
Band13	10MHz	256QAM	23230	1RB#0	6.61	13	PASS
Band13	10MHz	256QAM	23230	50RB#0	6.61	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	6.27	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.32	13	PASS

Test Graphs



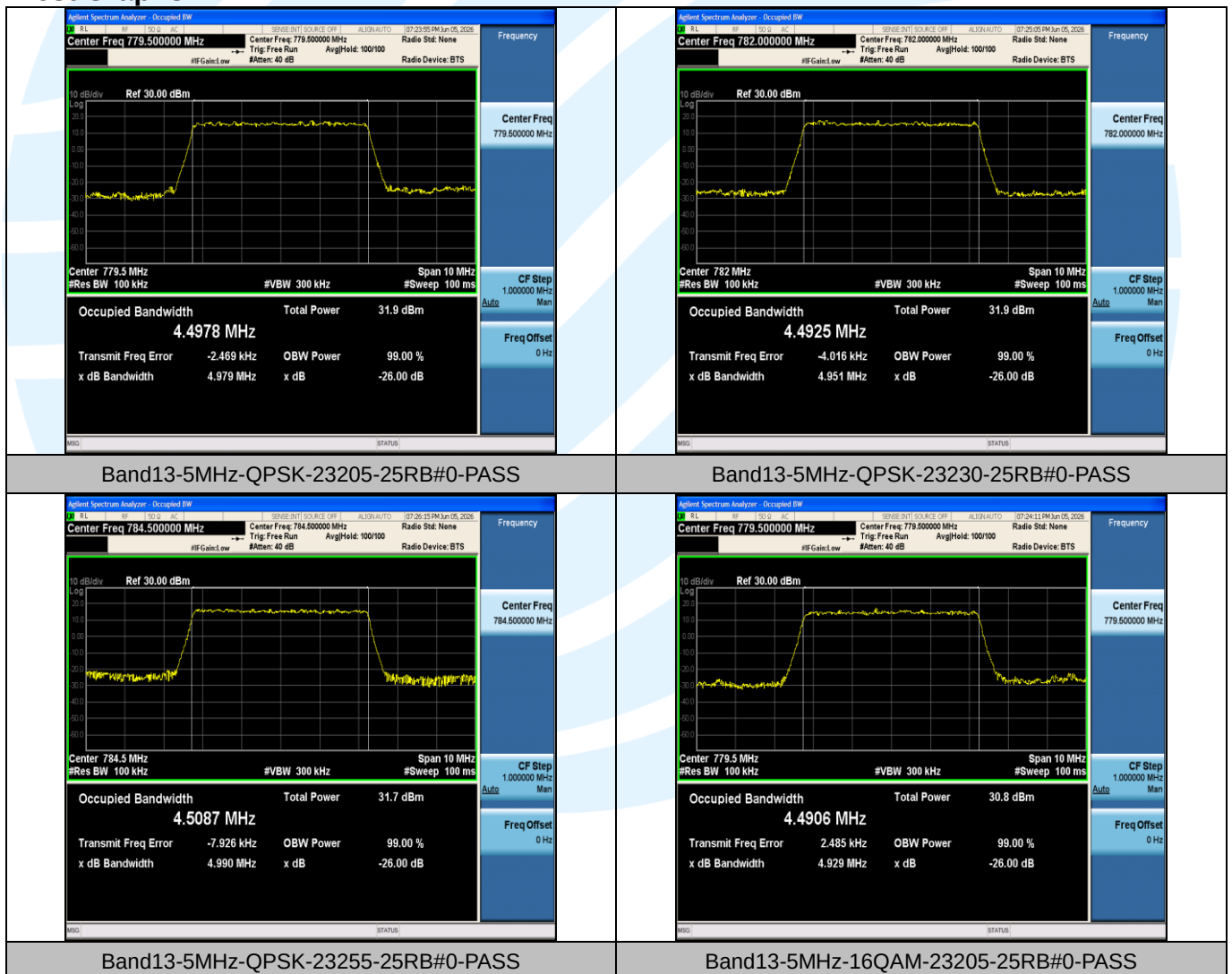


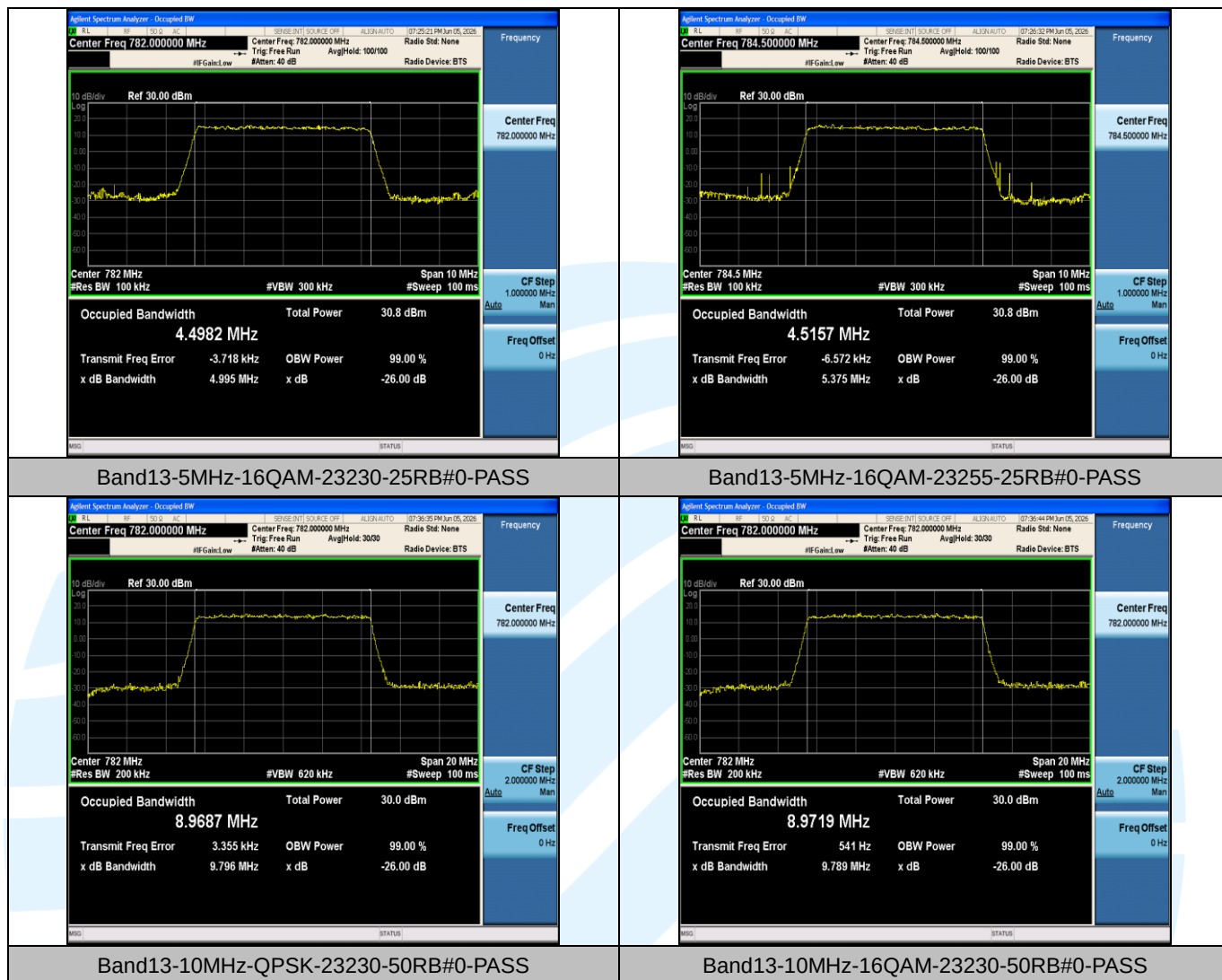
D.2 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4978	4.979	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4925	4.951	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5087	4.990	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4906	4.929	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4982	4.995	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5157	5.375	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9687	9.796	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9719	9.789	PASS

Test Graphs

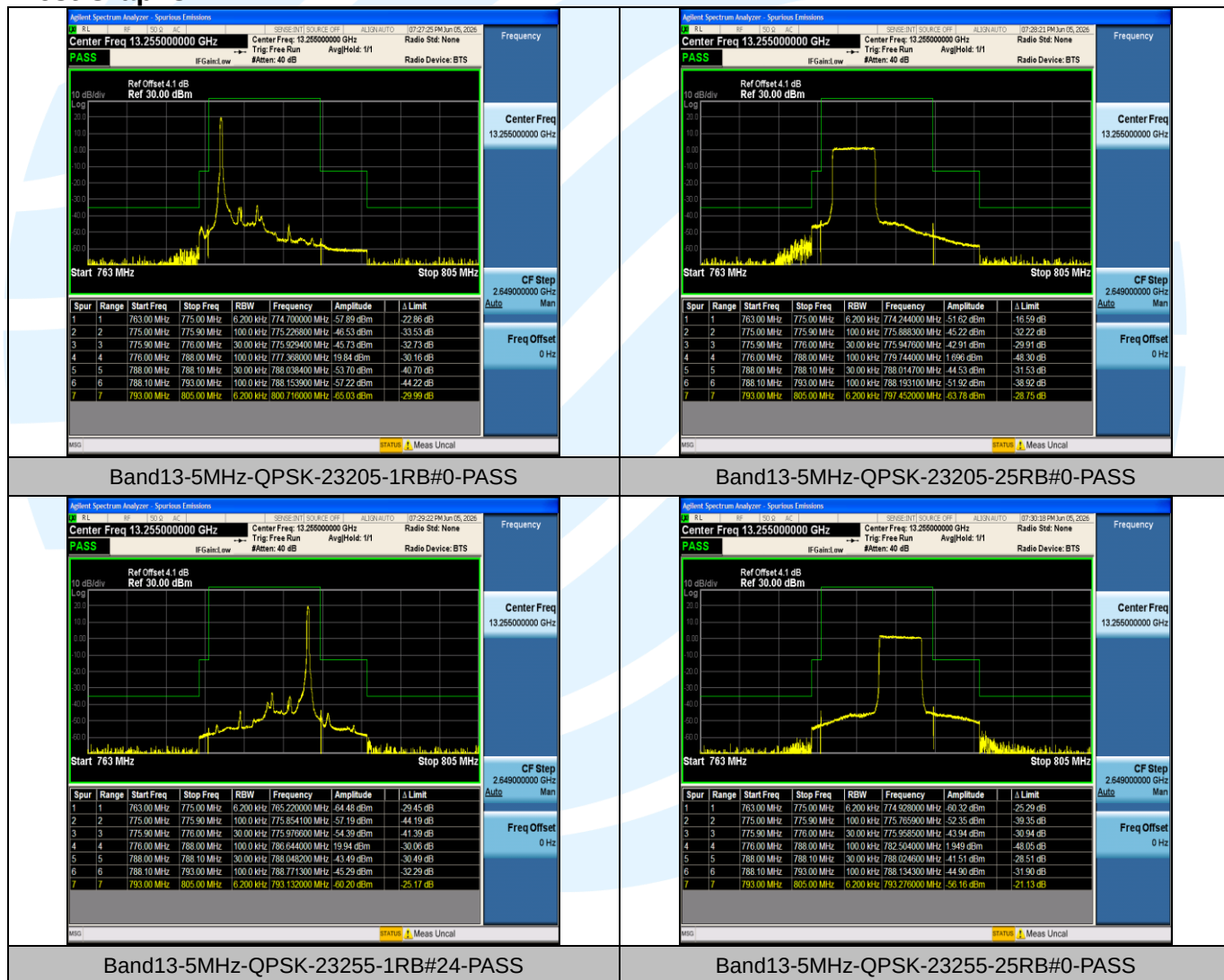


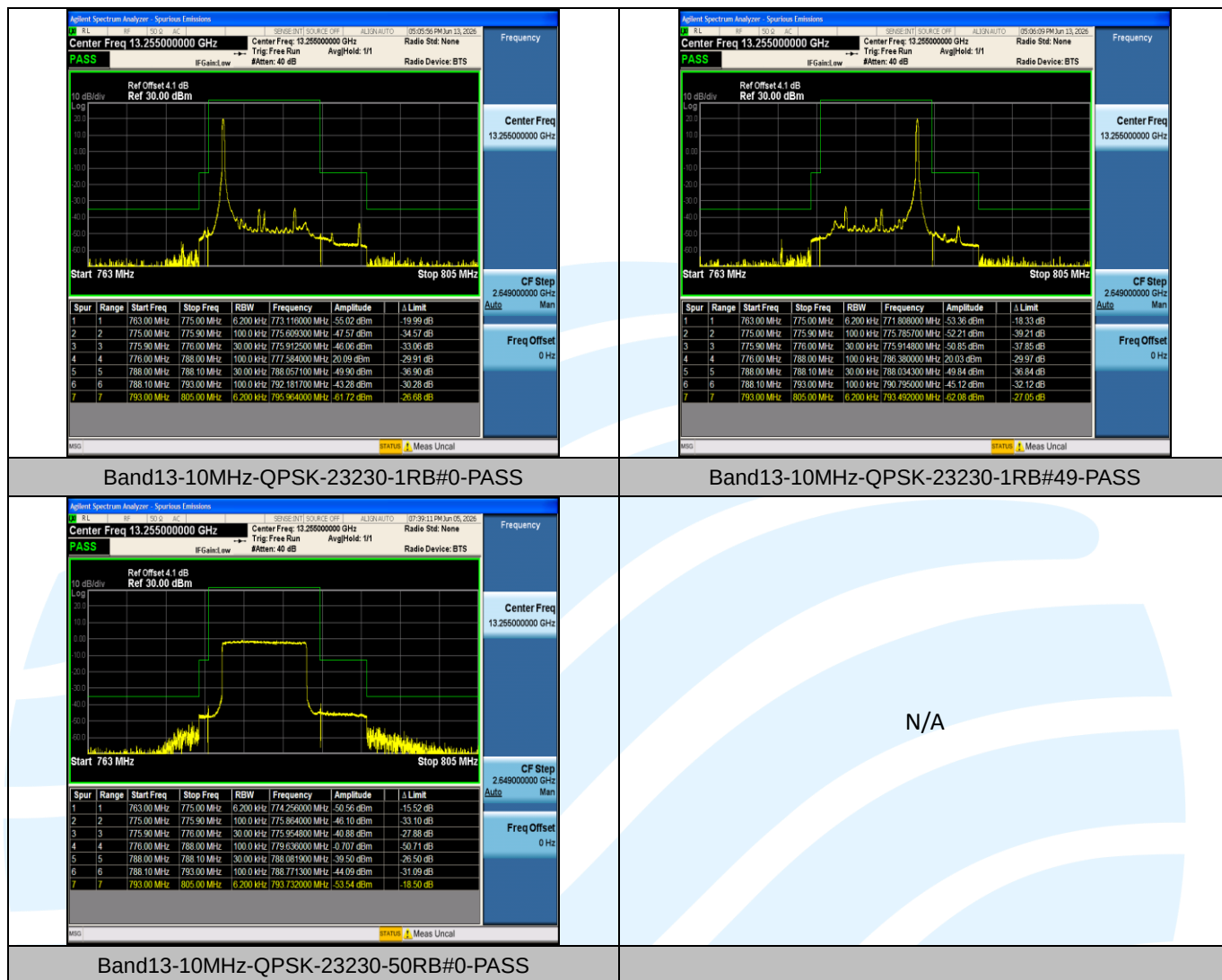


D.3 BAND EDGE Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-57.89	PASS
Band13	5MHz	QPSK	23205	25RB#0	-51.62	PASS
Band13	5MHz	QPSK	23255	1RB#24	-60.20	PASS
Band13	5MHz	QPSK	23255	25RB#0	-56.16	PASS
Band13	10MHz	QPSK	23230	1RB#0	-55.02	PASS
Band13	10MHz	QPSK	23230	1RB#49	-53.36	PASS
Band13	10MHz	QPSK	23230	50RB#0	-50.56	PASS

Test Graphs



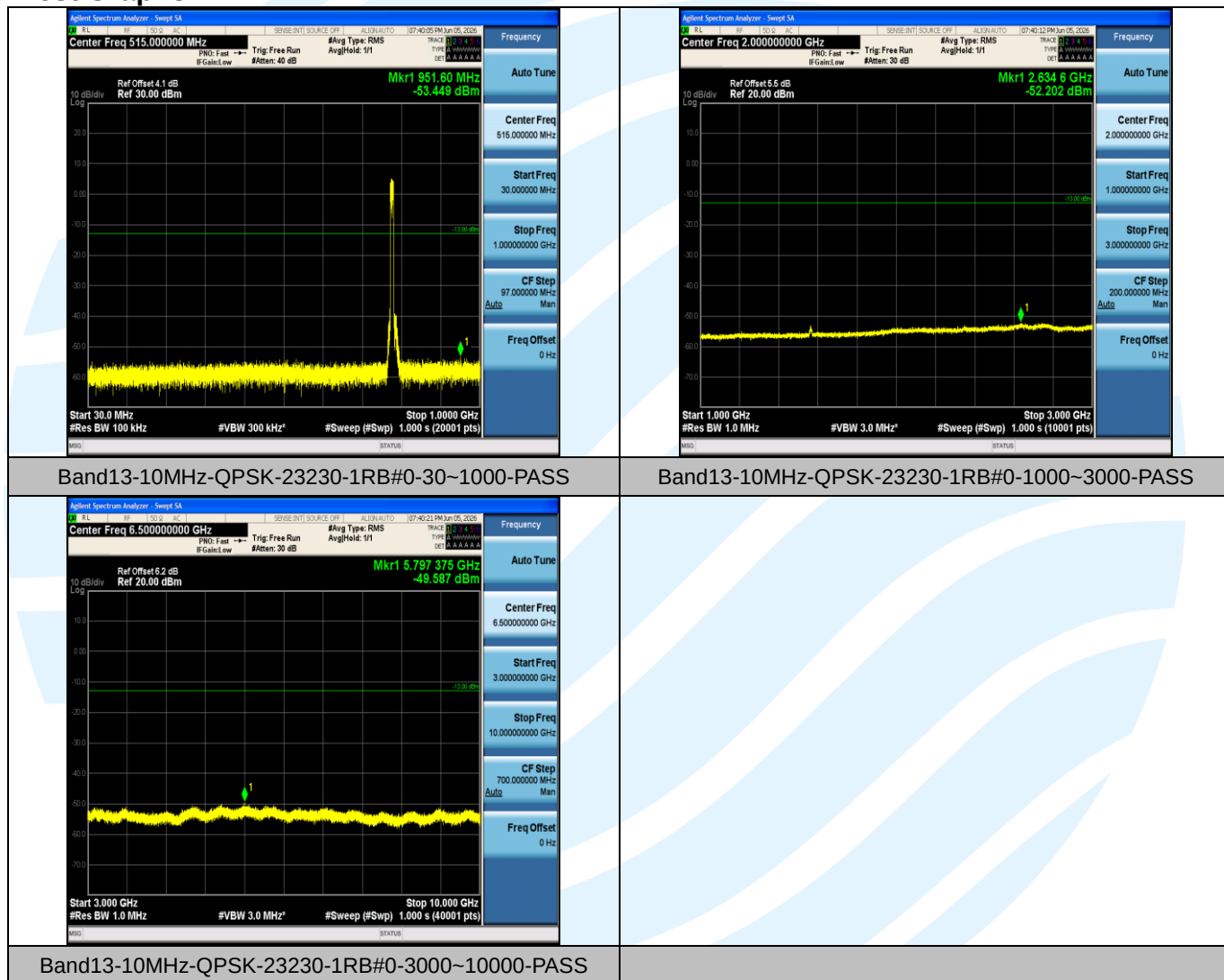


D.4 CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-53.45	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-52.20	PASS
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-49.59	PASS

Test Graphs



D.5 FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-3.53	-0.004514	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-7.25	-0.009271	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-8.18	-0.010460	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-4.81	-0.006151	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-5.65	-0.007225	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-4.98	-0.006368	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	3.95	0.005051	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	3.00	0.003836	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	4.71	0.006023	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	4.82	0.006164	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-2.59	-0.003312	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-3.99	-0.005102	±2.5	PASS