

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.36	24.29	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.84	23.77	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.88	23.81	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.62	23.55	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.66	24.59	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	23.17	24.10	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	24.00	24.93	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	23.35	24.28	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.80	24.73	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	23.19	24.12	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.57	24.50	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	23.00	23.93	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.75	23.68	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.31	23.24	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.84	23.77	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	22.24	23.17	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.21	24.14	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.72	23.65	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.47	24.40	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.81	23.74	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.34	24.27	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.74	23.67	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	23.19	24.12	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	22.59	23.52	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.74	24.67	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.75	23.68	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.69	23.62	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.74	23.67	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.94	24.87	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.92	23.85	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	24.15	25.08	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	23.03	23.96	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.98	24.91	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	23.03	23.96	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.73	24.66	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.89	23.82	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.17	24.10	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.24	23.17	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	23.07	24.00	33.00	PASS

Band38	10MHz	16QAM	38000	50RB#0	22.08	23.01	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.46	24.39	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.52	23.45	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.84	24.77	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.53	23.46	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.66	24.59	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.59	23.52	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	23.30	24.23	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	22.36	23.29	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.51	24.44	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.69	23.62	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.72	23.65	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.68	23.61	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.85	24.78	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	23.00	23.93	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	24.03	24.96	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	23.13	24.06	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	24.14	25.07	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	23.15	24.08	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.70	24.63	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	23.16	24.09	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.20	24.13	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.35	23.28	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	23.45	24.38	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	22.17	23.10	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.44	24.37	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.61	23.54	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.55	24.48	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.59	23.52	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.86	24.79	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.85	23.78	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	23.21	24.14	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	22.66	23.59	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.50	24.43	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	23.16	24.09	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.10	24.03	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.66	23.59	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.87	24.80	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	23.45	24.38	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	24.17	25.10	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	23.10	24.03	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.98	24.91	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	23.26	24.19	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.74	24.67	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	23.04	23.97	33.00	PASS

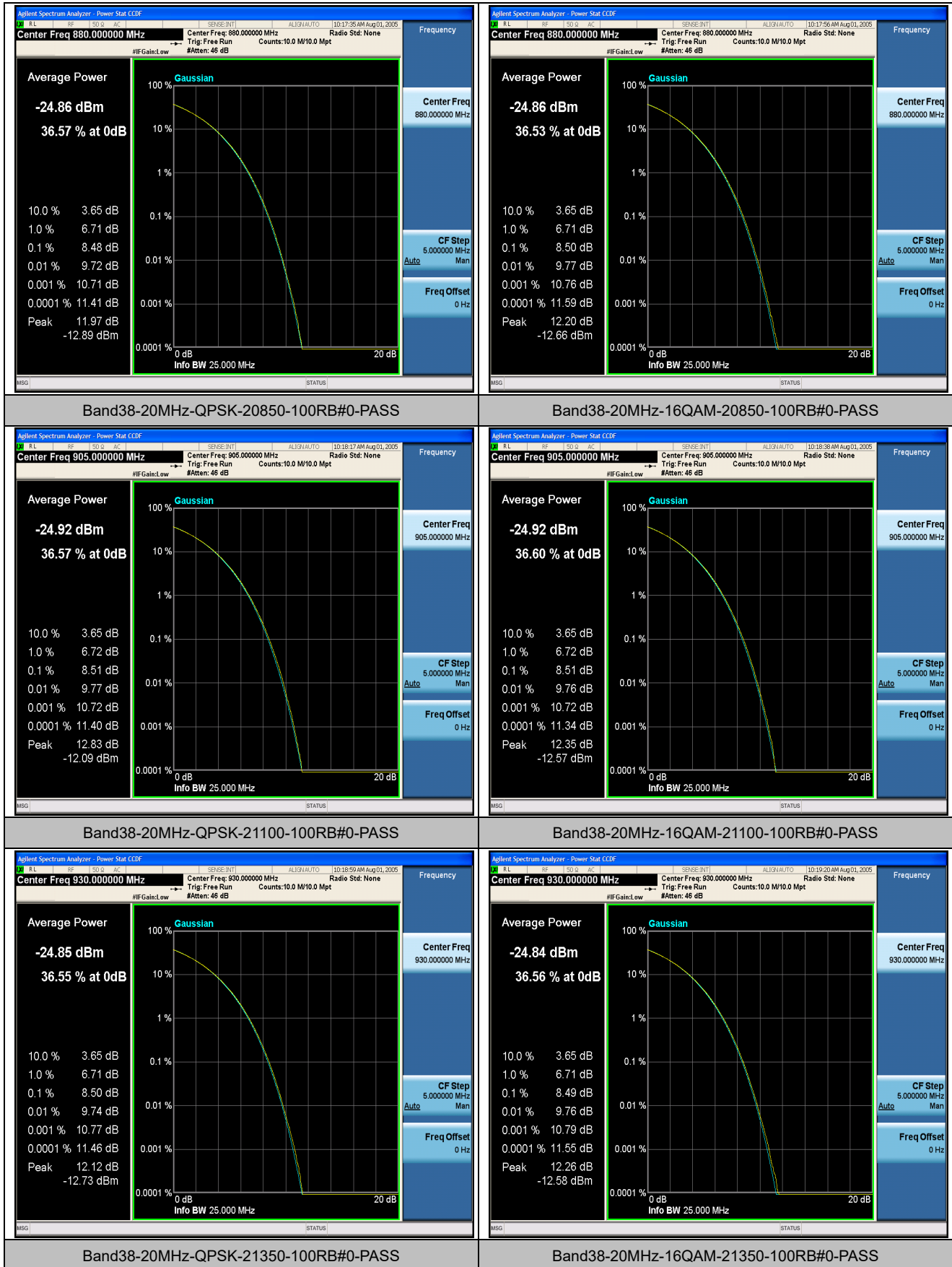
Band38	20MHz	QPSK	38000	1RB#99	22.97	23.90	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	22.59	23.52	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	23.40	24.33	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	22.14	23.07	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.38	24.31	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	23.00	23.93	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.83	24.76	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.57	23.50	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.43	24.36	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.83	23.76	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	23.21	24.14	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	22.52	23.45	33.00	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	20850	100RB#0	8.48	13	PASS
Band38	20MHz	16QAM	20850	100RB#0	8.50	13	PASS
Band38	20MHz	QPSK	21100	100RB#0	8.51	13	PASS
Band38	20MHz	16QAM	21100	100RB#0	8.51	13	PASS
Band38	20MHz	QPSK	21350	100RB#0	8.50	13	PASS
Band38	20MHz	16QAM	21350	100RB#0	8.49	13	PASS

Test Graphs

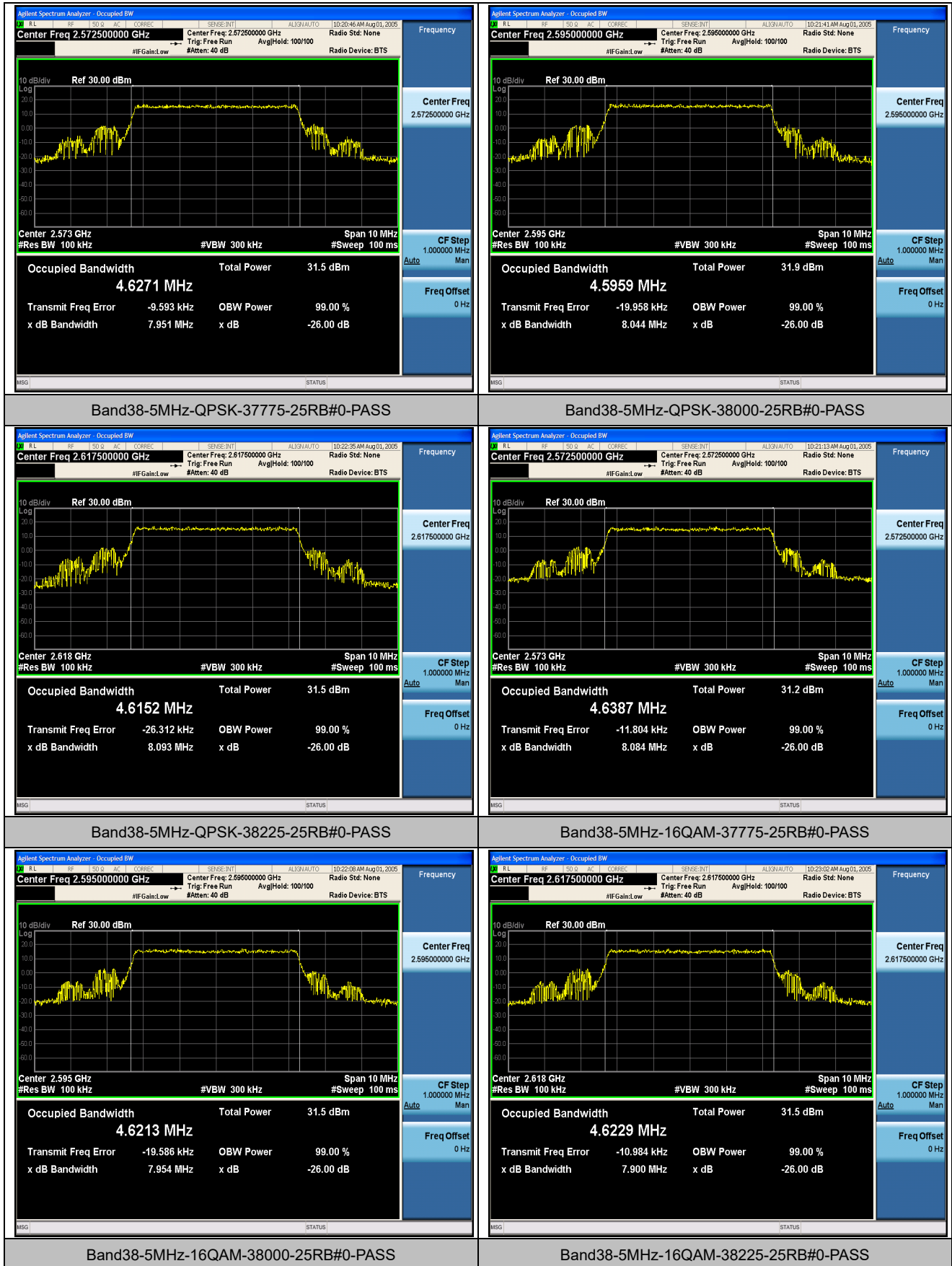


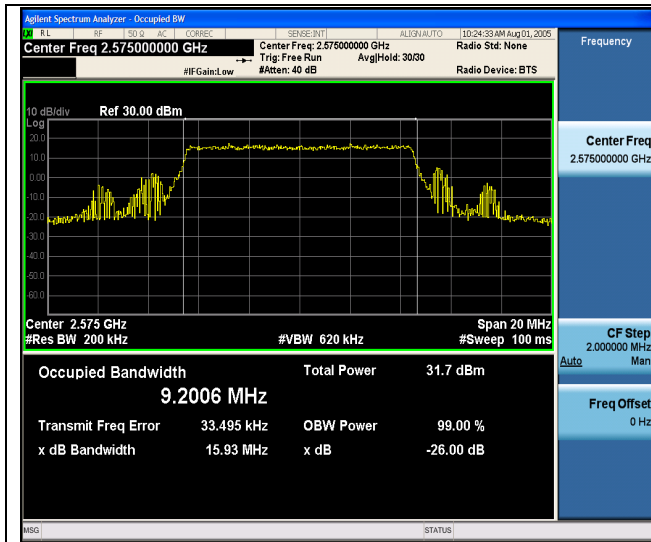
26dB Bandwidth and Occupied Bandwidth

Test Result

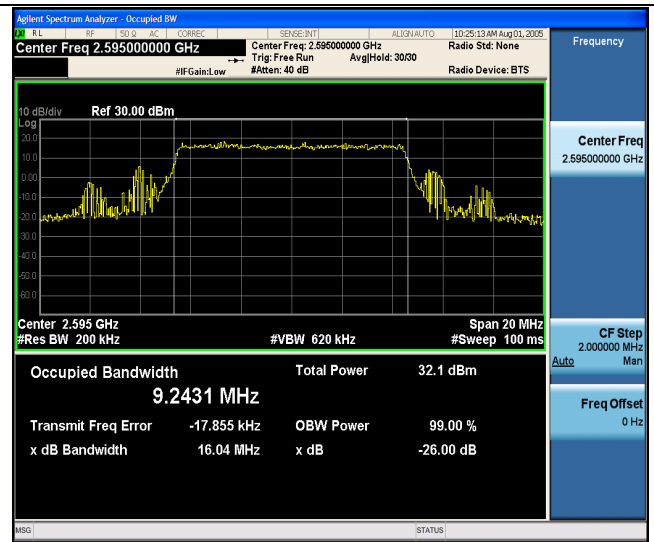
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.6271	7.951	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5959	8.044	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.6152	8.093	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.6387	8.084	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.6213	7.954	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.6229	7.900	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.2006	15.93	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.2431	16.04	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.2607	15.94	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.1482	15.80	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.2563	16.01	PASS
Band38	10MHz	16QAM	38200	50RB#0	9.2802	15.81	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.566	16.34	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.589	15.80	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.564	16.13	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.570	15.92	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.580	16.08	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.603	16.09	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.032	19.81	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.970	19.84	PASS
Band38	20MHz	QPSK	38150	100RB#0	18.011	19.93	PASS
Band38	20MHz	16QAM	37850	100RB#0	18.008	19.93	PASS
Band38	20MHz	16QAM	38000	100RB#0	18.025	20.49	PASS
Band38	20MHz	16QAM	38150	100RB#0	18.010	20.36	PASS

Test Graphs

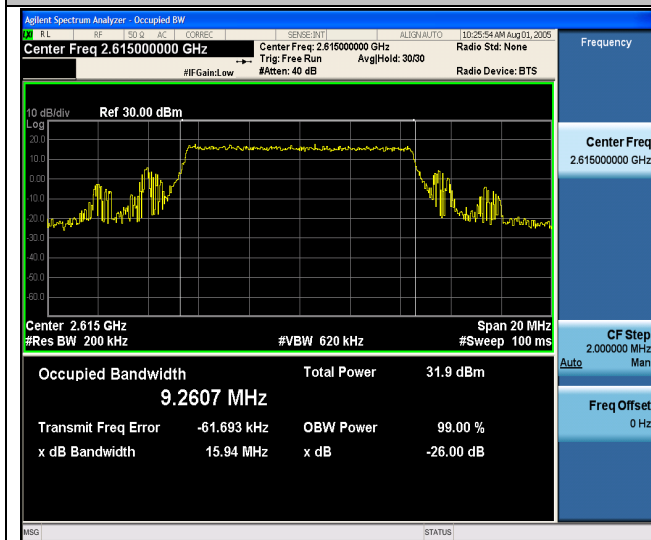




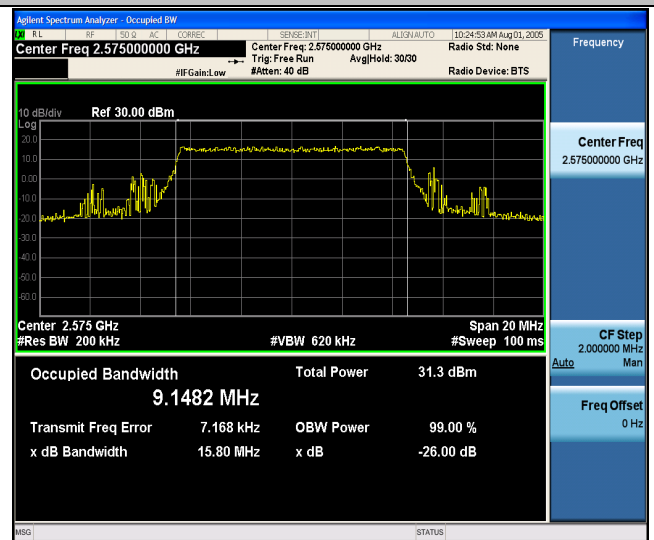
Band38-10MHz-QPSK-37800-50RB#0-PASS



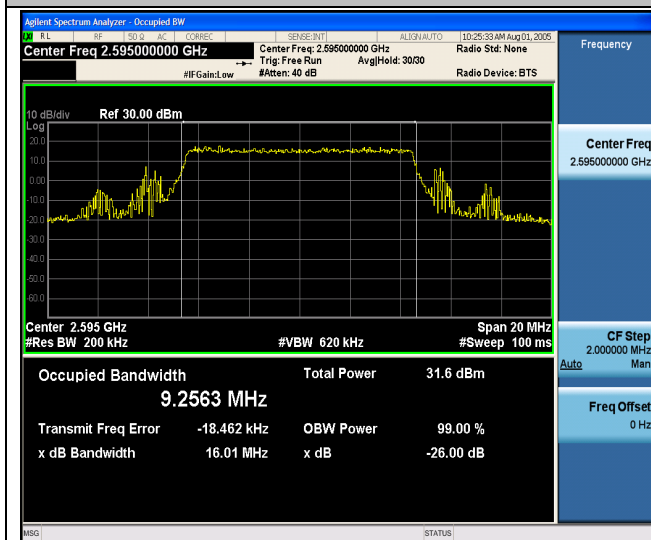
Band38-10MHz-QPSK-38000-50RB#0-PASS



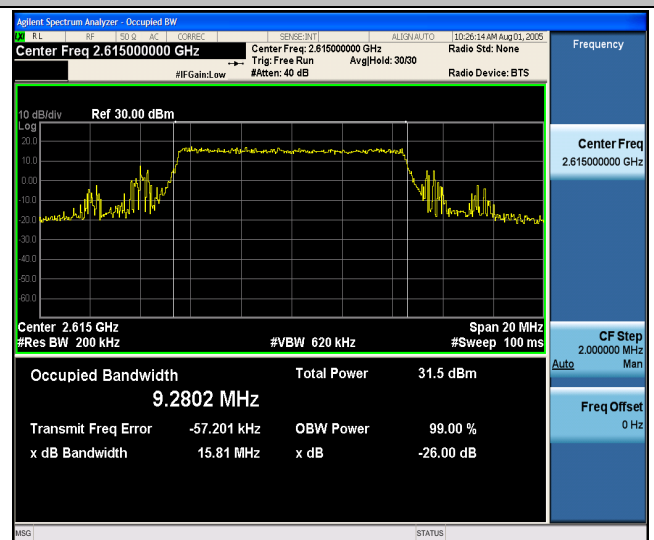
Band38-10MHz-QPSK-38200-50RB#0-PASS



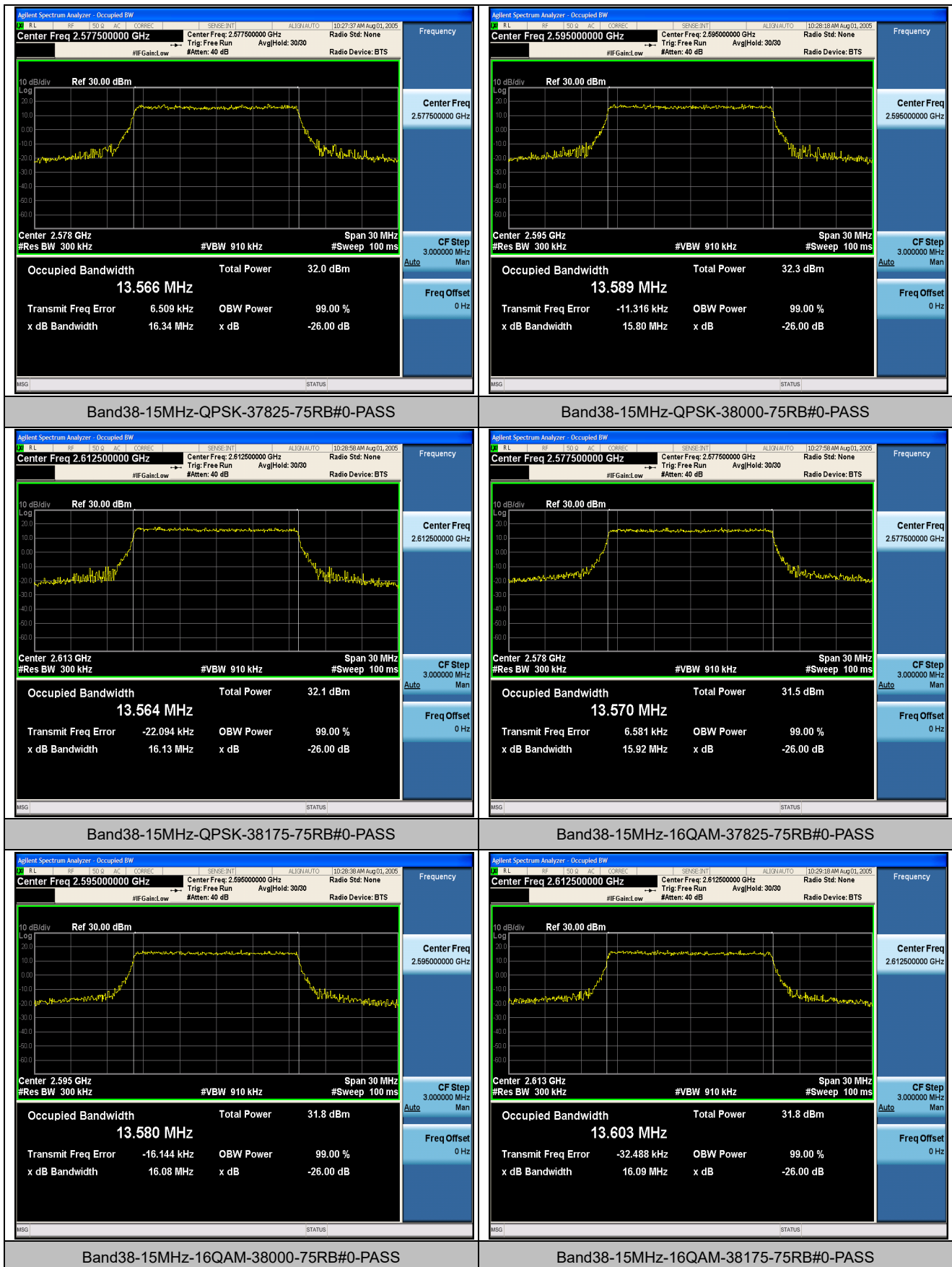
Band38-10MHz-16QAM-37800-50RB#0-PASS



Band38-10MHz-16QAM-38000-50RB#0-PASS



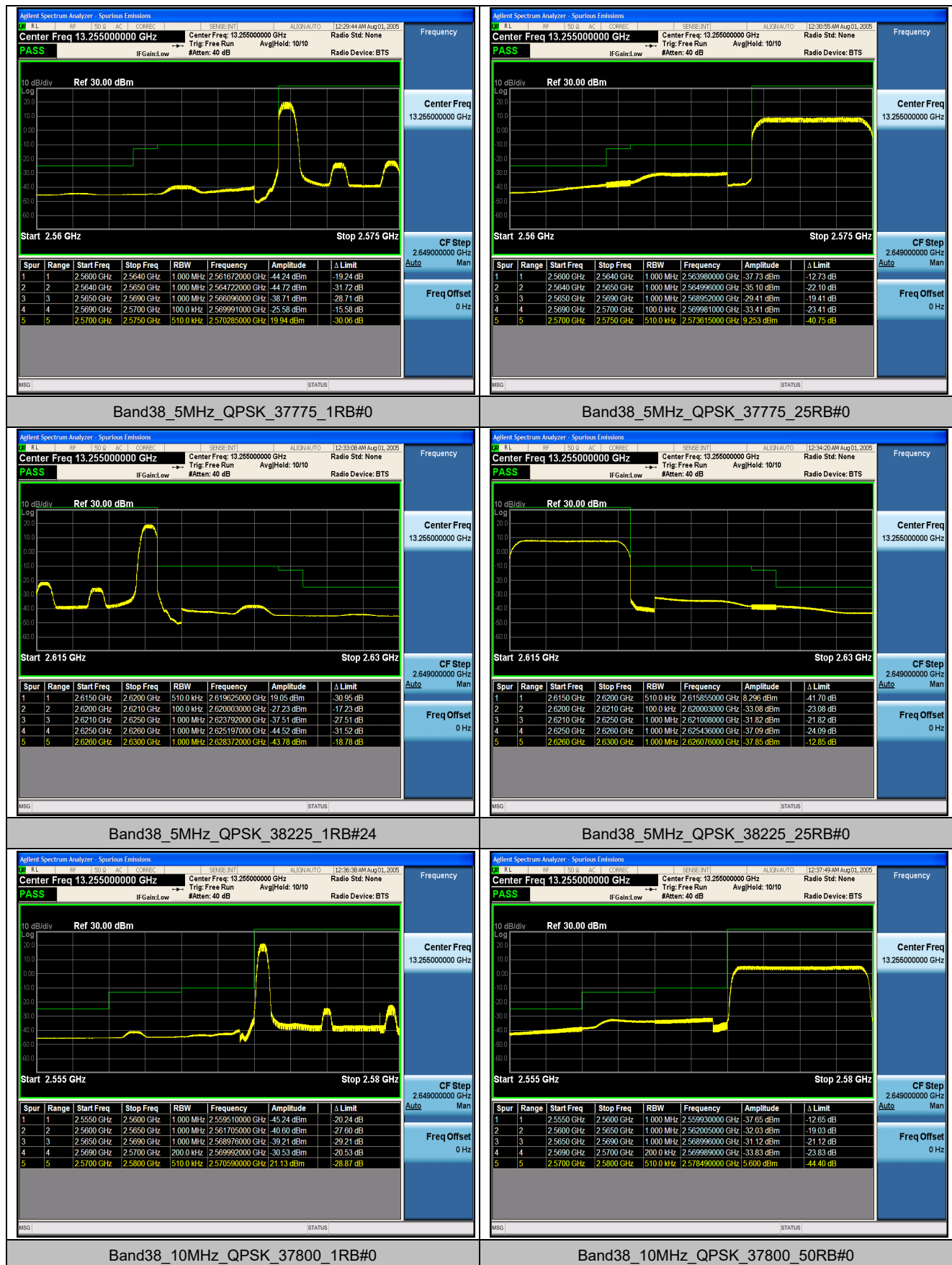
Band38-10MHz-16QAM-38200-50RB#0-PASS

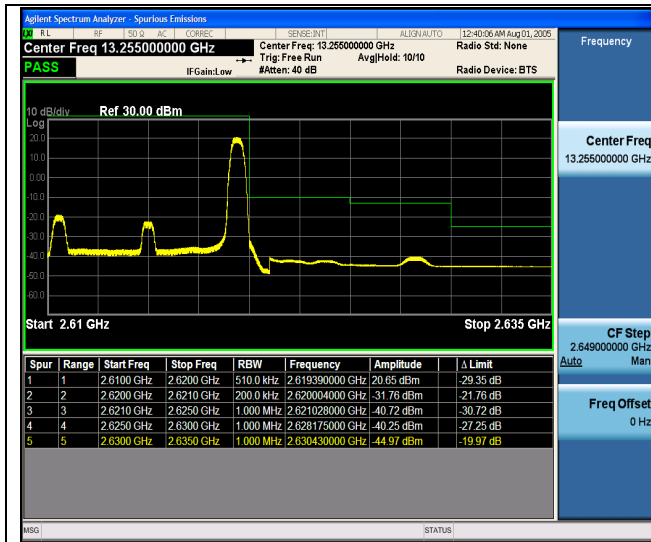




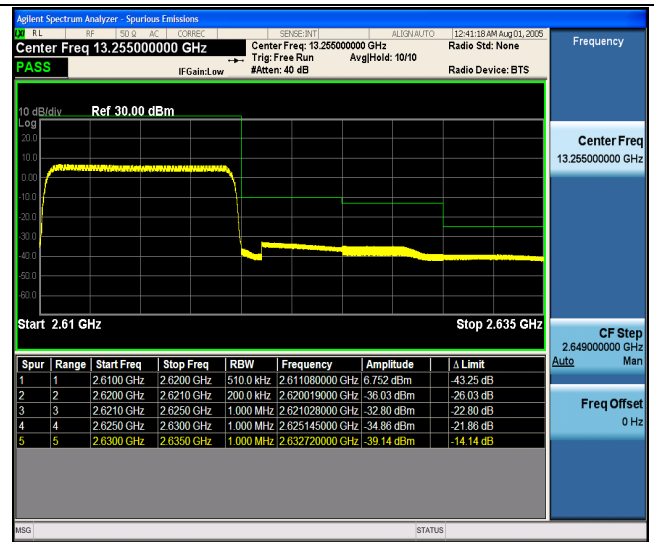
Band Edge

Test Graphs

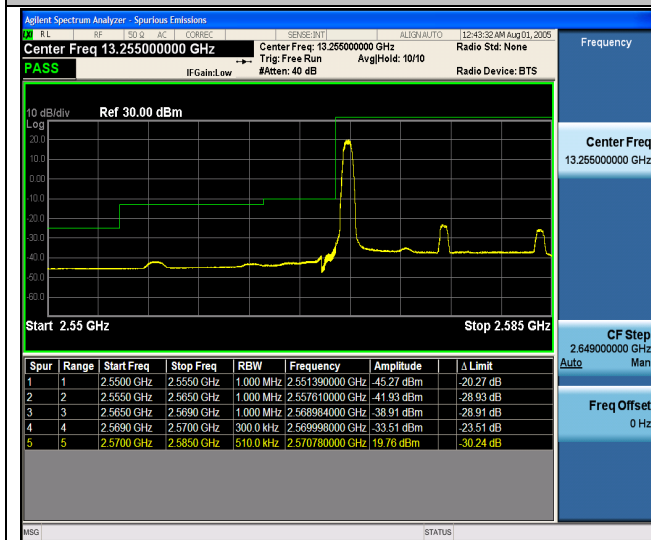




Band38_10MHz_QPSK_38200_1RB#49



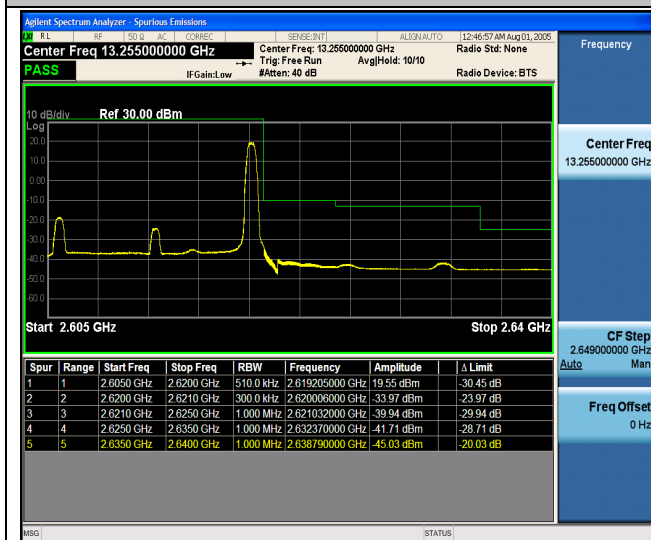
Band38_10MHz_QPSK_38200_50RB#0



Band38_15MHz_QPSK_37825_1RB#0



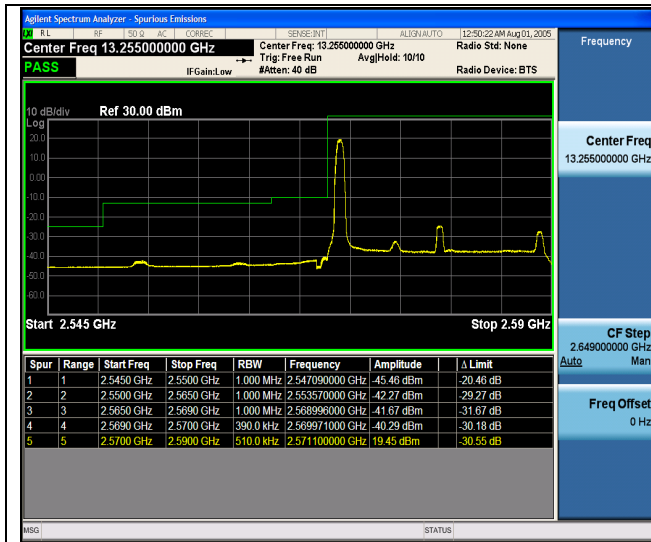
Band38_15MHz_QPSK_37825_75RB#0



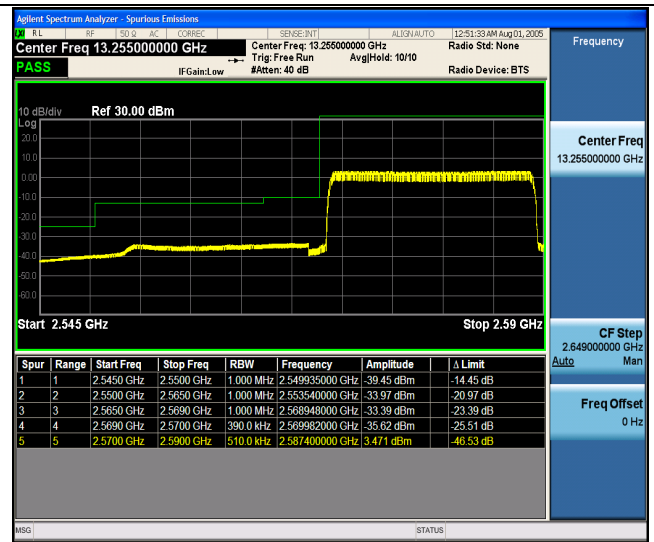
Band38_15MHz_QPSK_38175_1RB#74



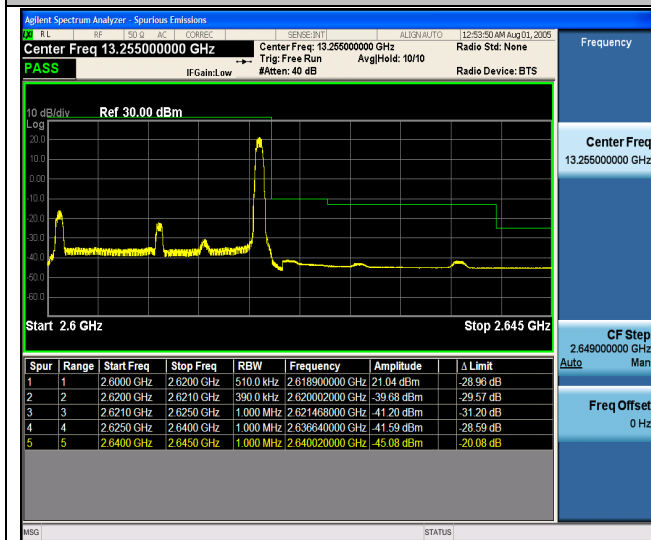
Band38_15MHz_QPSK_38175_75RB#0



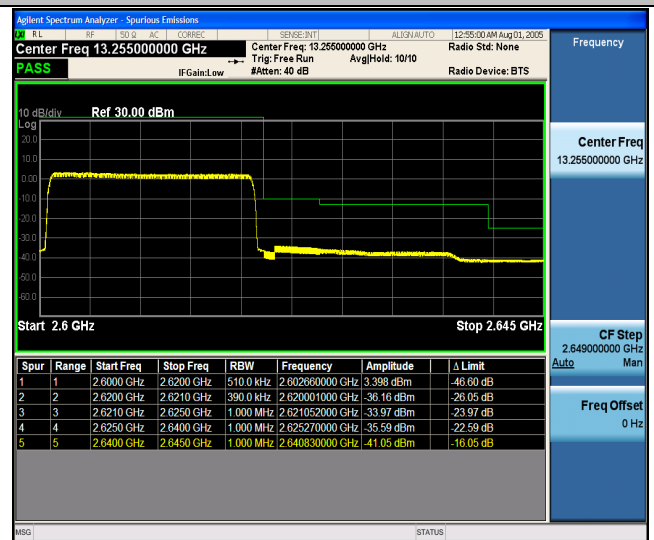
Band38_20MHz_QPSK_37850_1RB#0



Band38_20MHz_QPSK_37850_100RB#0



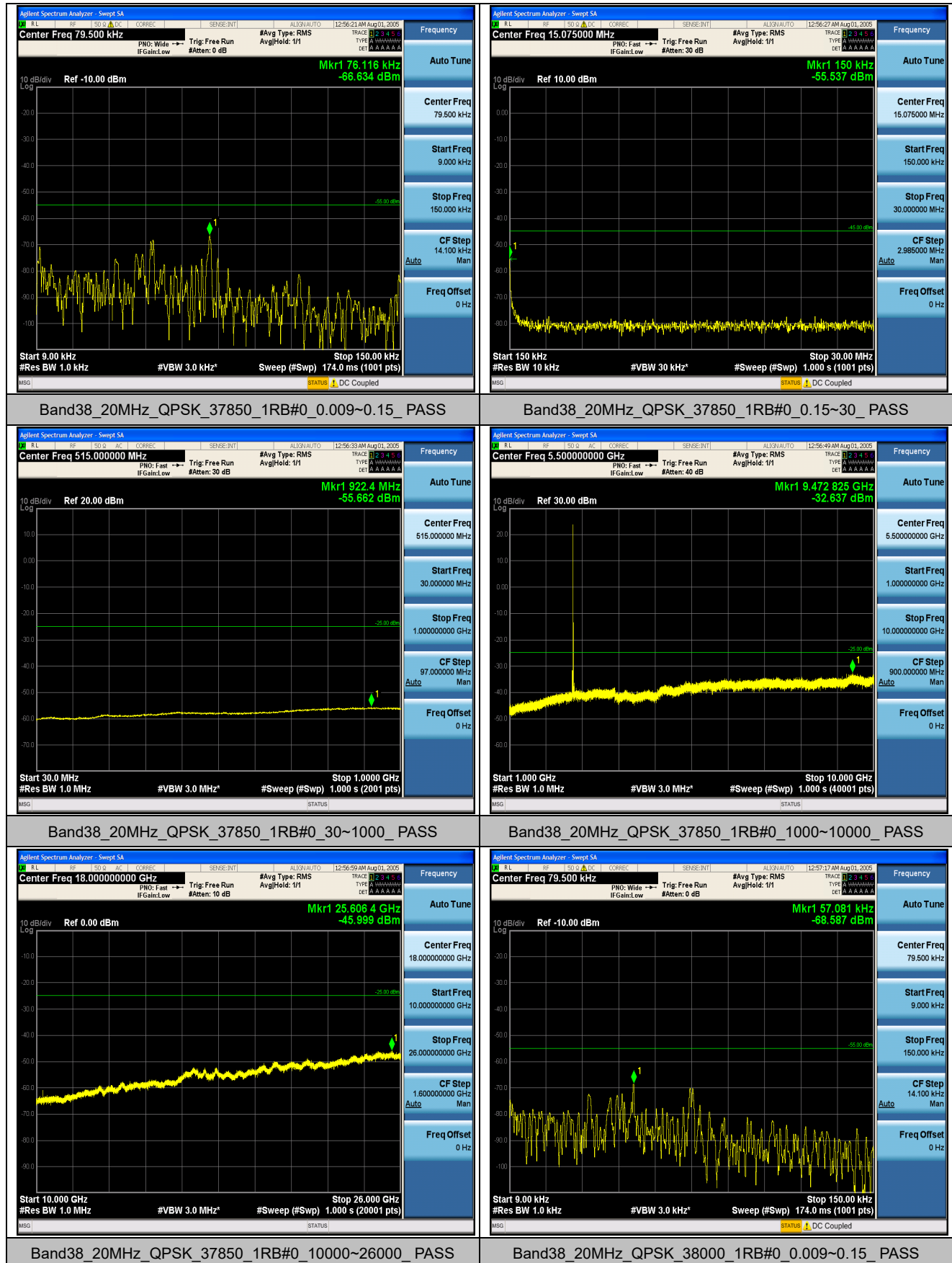
Band38_20MHz_QPSK_38150_1RB#99

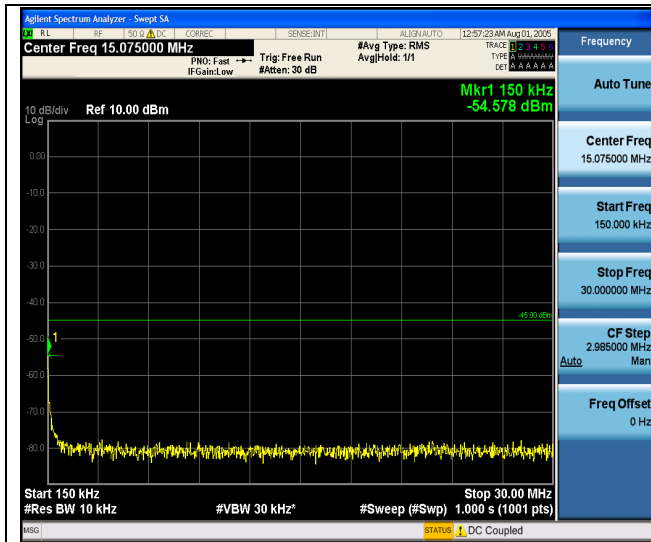


Band38_20MHz_QPSK_38150_100RB#0

Conducted Spurious Emission

Test Graphs

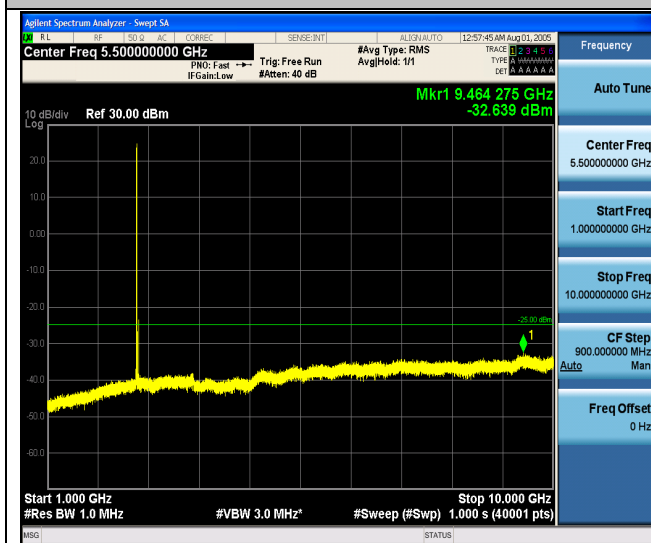




Band38_20MHz_QPSK_38000_1RB#0_0.15~30_PASS



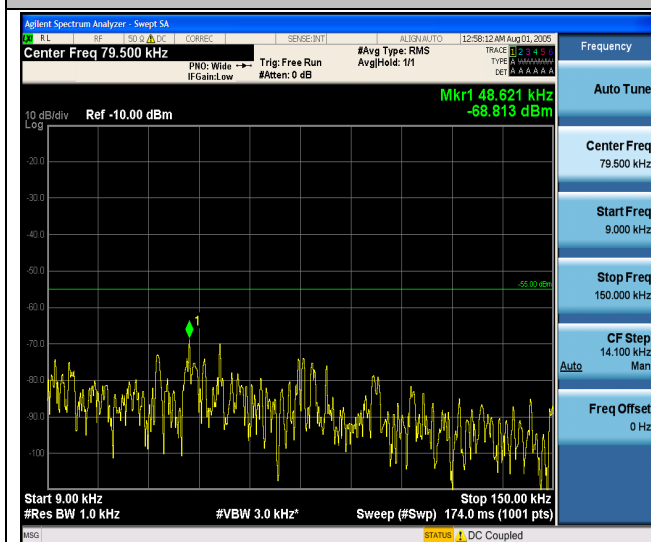
Band38_20MHz_QPSK_38000_1RB#0_30~1000_PASS



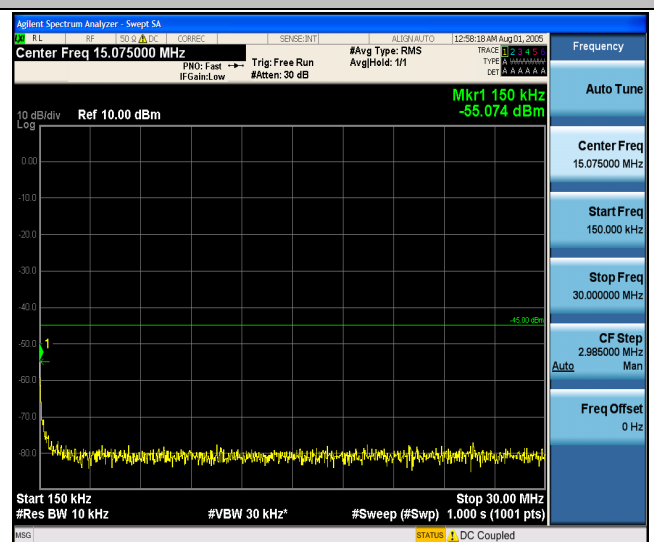
Band38_20MHz_QPSK_38000_1RB#0_1000~10000_PASS



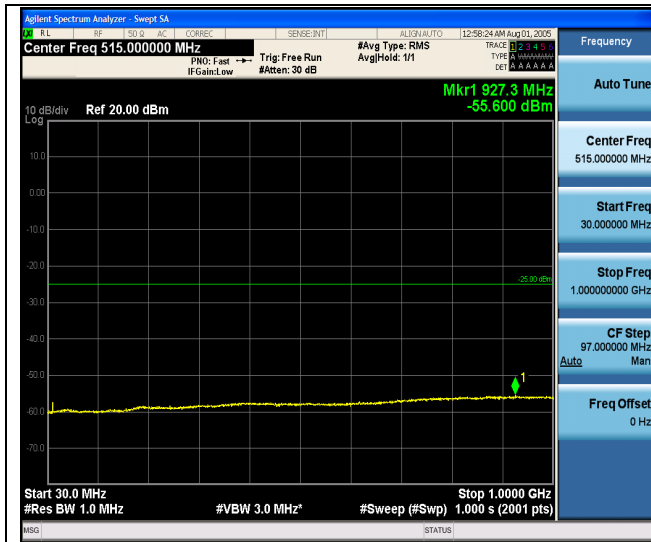
Band38_20MHz_QPSK_38000_1RB#0_10000~26000_PASS



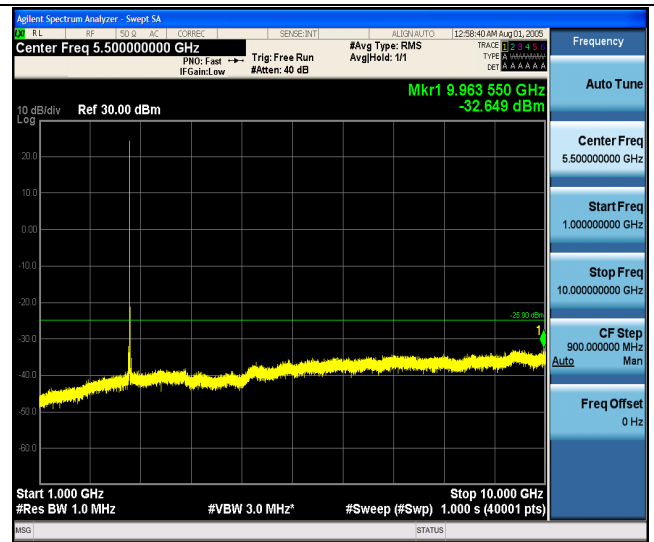
Band38_20MHz_QPSK_38150_1RB#0_0.009~0.15_PASS



Band38_20MHz_QPSK_38150_1RB#0_0.15~30_PASS



Band38_20MHz_QPSK_38150_1RB#0_30~1000_PASS



Band38_20MHz_QPSK_38150_1RB#0_1000~10000_PASS



Band38_20MHz_QPSK_38150_1RB#0_10000~26000_PASS

Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-22.00	-0.008478	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-4.60	-0.001773	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	28.60	0.011021	PASS

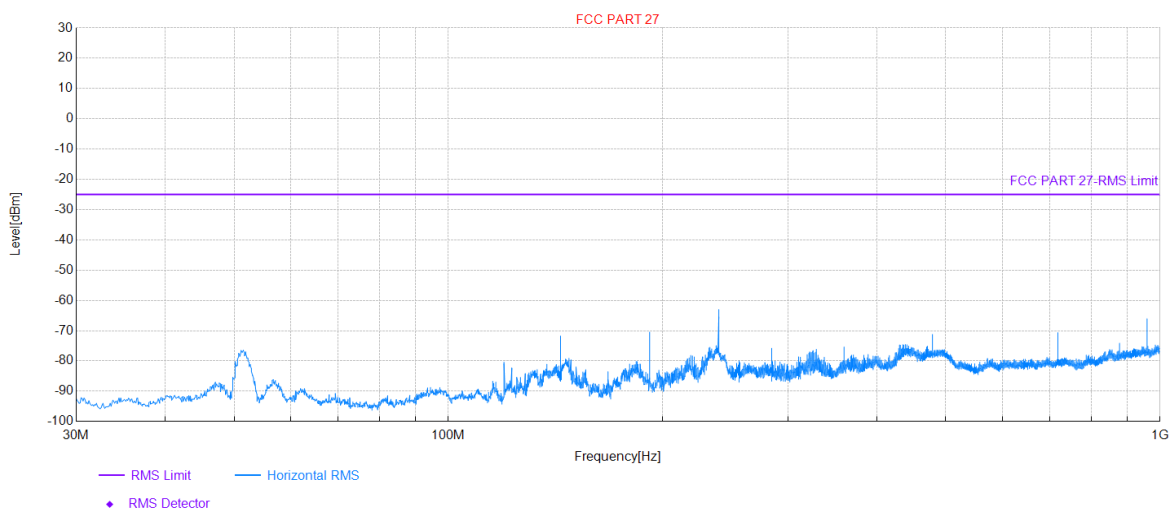
Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	1.40	0.000539	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	4.00	0.001541	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	9.00	0.003468	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	38.40	0.014798	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	57.90	0.022312	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	3.30	0.001272	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	6.20	0.002389	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	8.60	0.003314	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	16.70	0.006435	PASS

Field Strength of Spurious Radiation

Below 1GHz

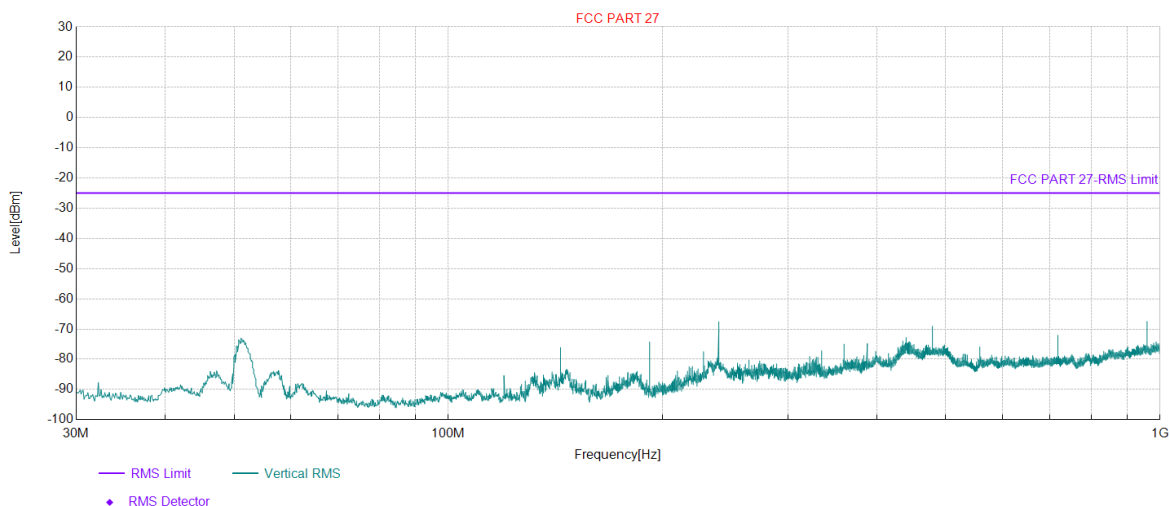
Project Information			
Mode:	LTE	Band:	Band 38
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 27			

Test Graph



Project Information			
Mode:	LTE	Band:	Band 38
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 27			

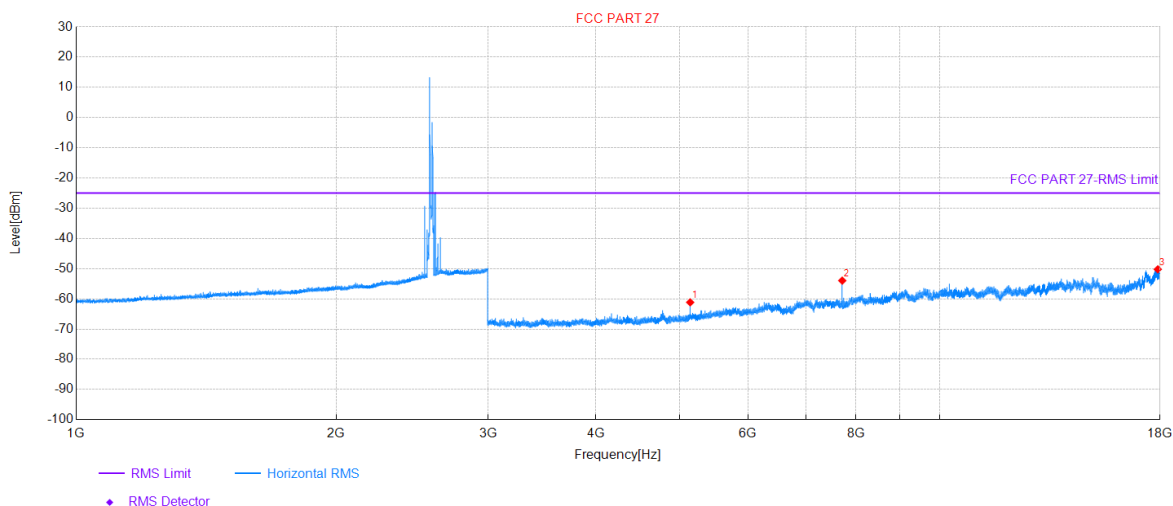
Test Graph



Above 1GHz

Project Information			
Mode:	LTE	Band:	Band 38
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	Low	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

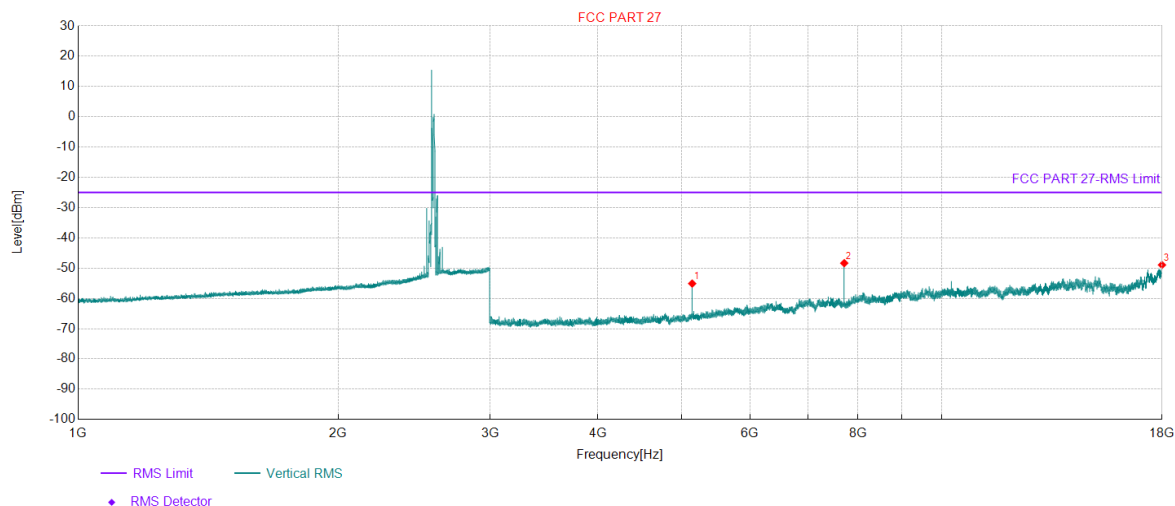
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	5142	40.91	-102.07	-61.16	-25.00	36.16	178	106	RMS	Horizontal	PASS
2	7713.5	42.40	-96.37	-53.97	-25.00	28.97	164	230	RMS	Horizontal	PASS
3	17893	32.12	-82.34	-50.22	-25.00	25.22	/	/	RMS	Horizontal	PASS

Project Information			
Mode:	LTE	Band:	Band 38
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	Low	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

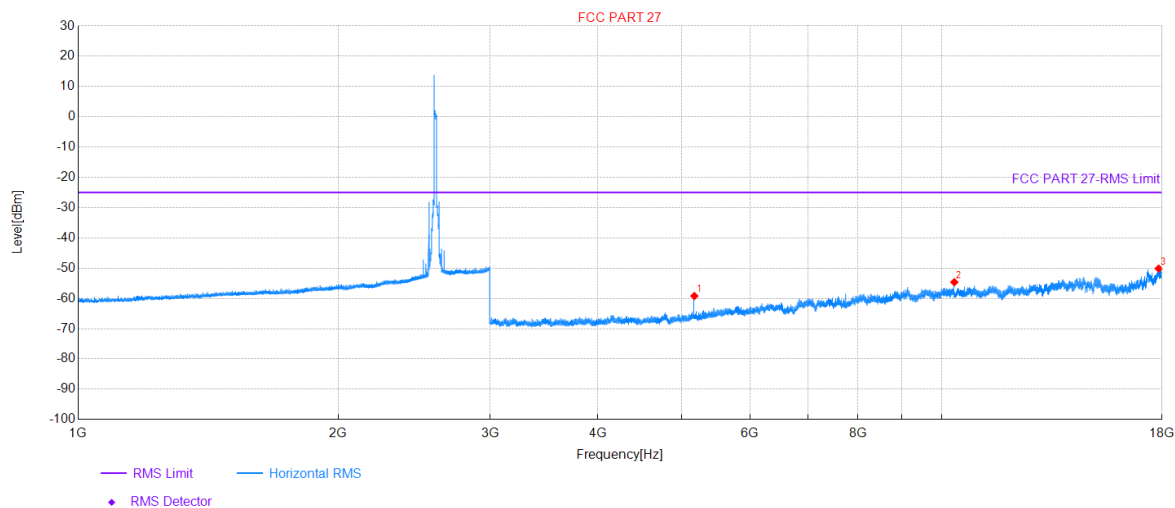
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	5142	46.98	-102.07	-55.09	-25.00	30.09	152	358	RMS	Vertical	PASS
2	7713.5	48.03	-96.37	-48.34	-25.00	23.34	146	302	RMS	Vertical	PASS
3	17998	32.90	-81.84	-48.94	-25.00	23.94	/	/	RMS	Vertical	PASS

Project Information			
Mode:	LTE	Band:	Band 38
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

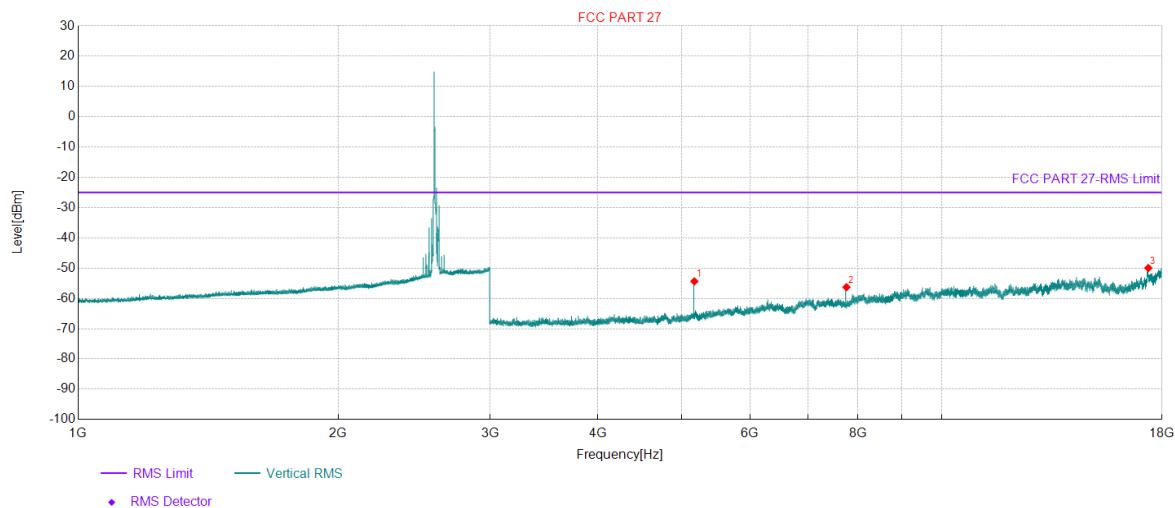
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	5172	42.86	-102.06	-59.20	-25.00	34.20	183	142	RMS	Horizontal	PASS
2	10344.5	36.89	-91.52	-54.63	-25.00	29.63	/	/	RMS	Horizontal	PASS
3	17839	31.86	-82.00	-50.14	-25.00	25.14	/	/	RMS	Horizontal	PASS

Project Information			
Mode:	LTE	Band:	Band 38
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

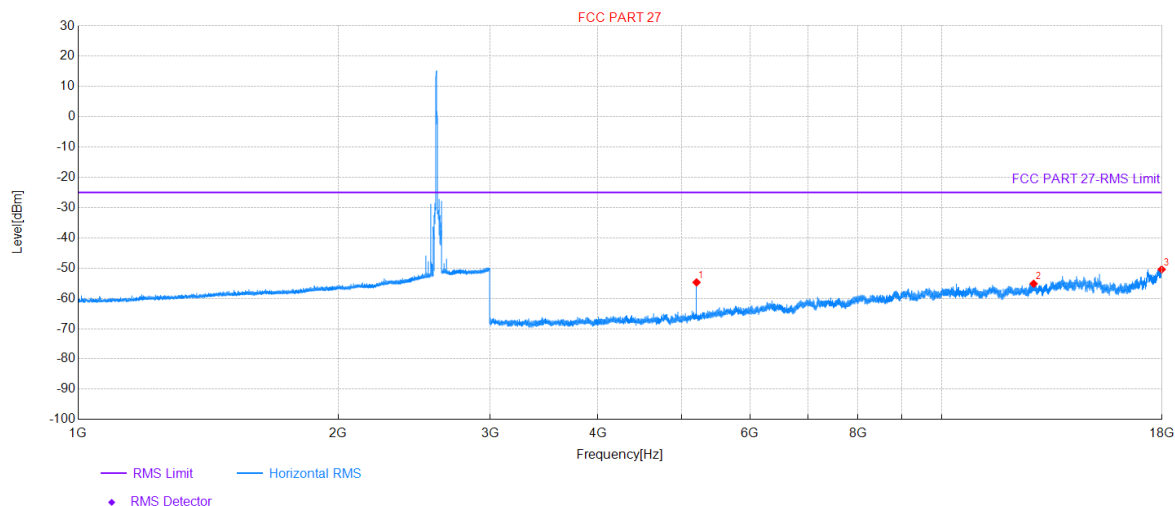
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	5172	47.72	-102.06	-54.34	-25.00	29.34	151	340	RMS	Vertical	PASS
2	7758.5	40.14	-96.43	-56.29	-25.00	31.29	139	296	RMS	Vertical	PASS
3	17353	32.58	-82.52	-49.94	-25.00	24.94	/	/	RMS	Vertical	PASS

Project Information			
Mode:	LTE	Band:	Band 38
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	High	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

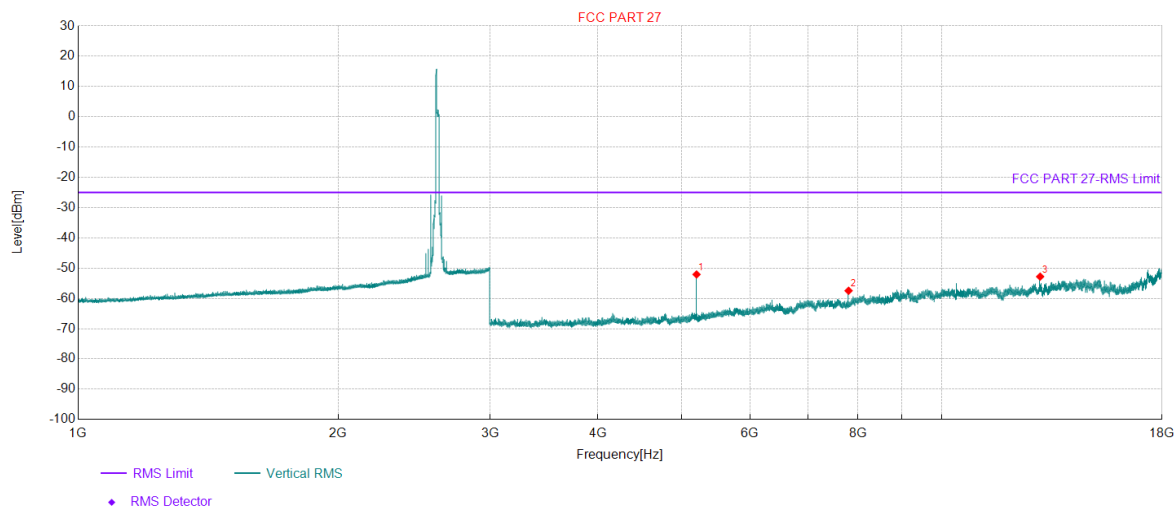
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	5202	47.50	-102.20	-54.70	-25.00	29.70	159	105	RMS	Horizontal	PASS
2	12782.5	34.25	-89.39	-55.14	-25.00	30.14	/	/	RMS	Horizontal	PASS
3	17984	31.60	-82.02	-50.42	-25.00	25.42	/	/	RMS	Horizontal	PASS

Project Information			
Mode:	LTE	Band:	Band 38
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	High	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	5202	50.12	-102.20	-52.08	-25.00	27.08	124	331	RMS	Vertical	PASS
2	7803	38.58	-96.04	-57.46	-25.00	32.46	153	148	RMS	Vertical	PASS
3	13005	36.54	-89.33	-52.79	-25.00	27.79	/	/	RMS	Vertical	PASS