

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	24.44	25.51	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	24.55	25.62	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	23.48	24.55	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	24.23	25.30	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	24.99	26.06	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	24.83	25.90	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	24.66	25.73	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	24.33	25.40	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	24.67	25.74	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	23.92	24.99	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	23.78	24.85	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	23.65	24.72	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	24.18	25.25	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	24.21	25.28	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	24.41	25.48	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	23.61	24.68	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	24.63	25.70	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	24.33	25.40	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	24.61	25.68	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	24.01	25.08	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	24.16	25.23	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	23.58	24.65	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	23.59	24.66	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	23.16	24.23	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	25.17	26.24	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	24.46	25.53	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	24.39	25.46	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	24.46	25.53	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	25.30	26.37	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	24.69	25.76	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	24.62	25.69	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	24.39	25.46	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	25.18	26.25	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	24.20	25.27	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	24.31	25.38	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	24.11	25.18	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	24.94	26.01	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	24.09	25.16	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	25.04	26.11	33.00	PASS

Band7	10MHz	16QAM	20800	50RB#0	23.74	24.81	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	25.18	26.25	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	24.21	25.28	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	25.05	26.12	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	23.84	24.91	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	24.88	25.95	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	23.75	24.82	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	24.00	25.07	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	23.54	24.61	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	24.89	25.96	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	24.44	25.51	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	24.50	25.57	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	24.14	25.21	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	25.32	26.39	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	24.69	25.76	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	24.71	25.78	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	24.66	25.73	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	25.00	26.07	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	24.12	25.19	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	24.09	25.16	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	23.87	24.94	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	24.66	25.73	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	23.92	24.99	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	24.63	25.70	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	23.74	24.81	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	24.97	26.04	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	24.24	25.31	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	25.01	26.08	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	24.05	25.12	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	24.45	25.52	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	23.78	24.85	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	23.89	24.96	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	23.62	24.69	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	24.85	25.92	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	24.76	25.83	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	24.69	25.76	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	24.30	25.37	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	25.20	26.27	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	24.93	26.00	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	24.88	25.95	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	24.53	25.60	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	24.99	26.06	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	24.63	25.70	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	24.70	25.77	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	24.20	25.27	33.00	PASS

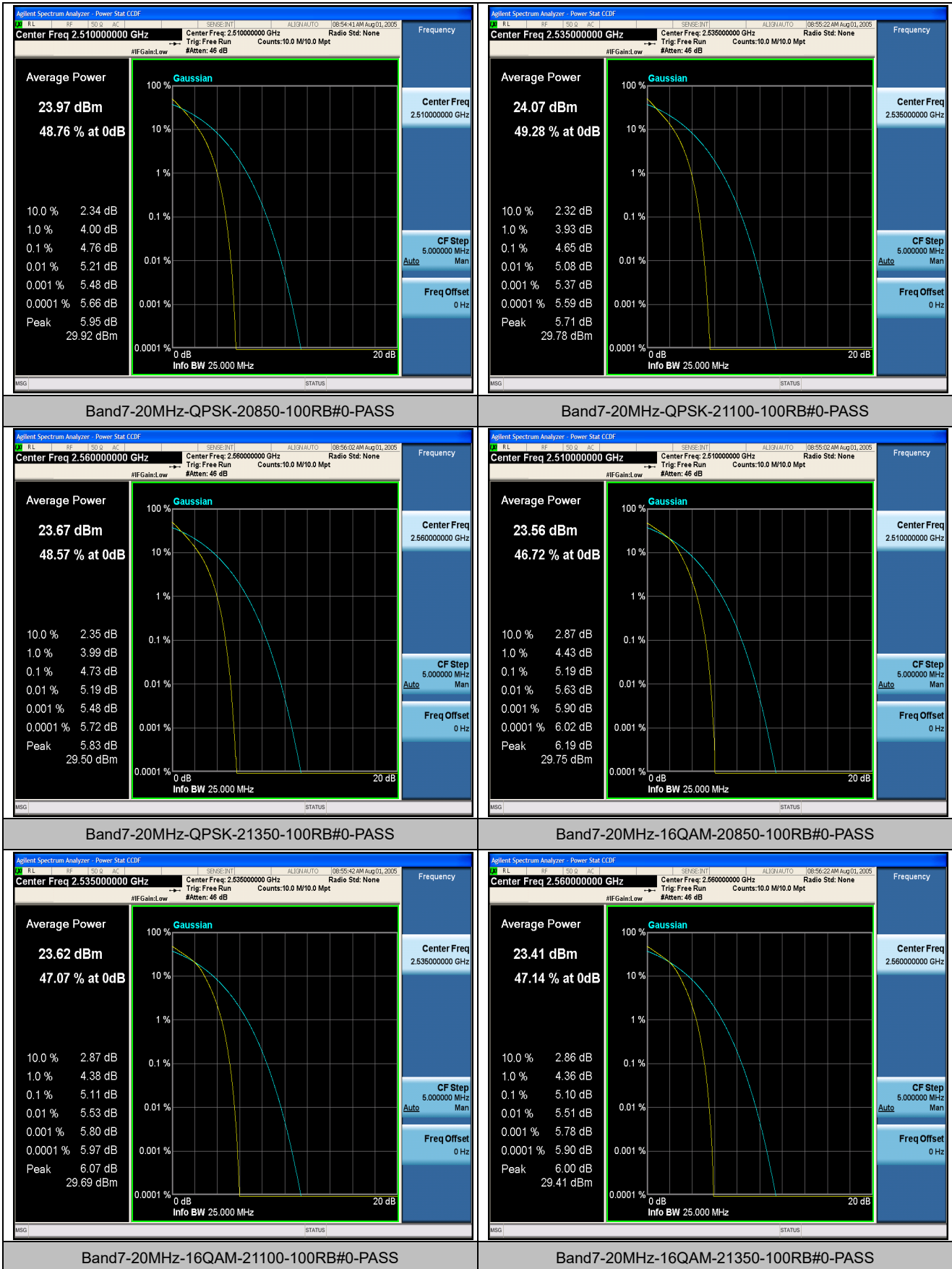
Band7	20MHz	16QAM	20850	1RB#0	24.51	25.58	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	24.46	25.53	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	24.56	25.63	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	23.88	24.95	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	24.74	25.81	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	24.61	25.68	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	25.04	26.11	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	24.09	25.16	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	24.81	25.88	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	24.16	25.23	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	24.11	25.18	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	23.68	24.75	33.00	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	4.76	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.65	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.73	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.19	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.11	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.10	13	PASS

Test Graphs

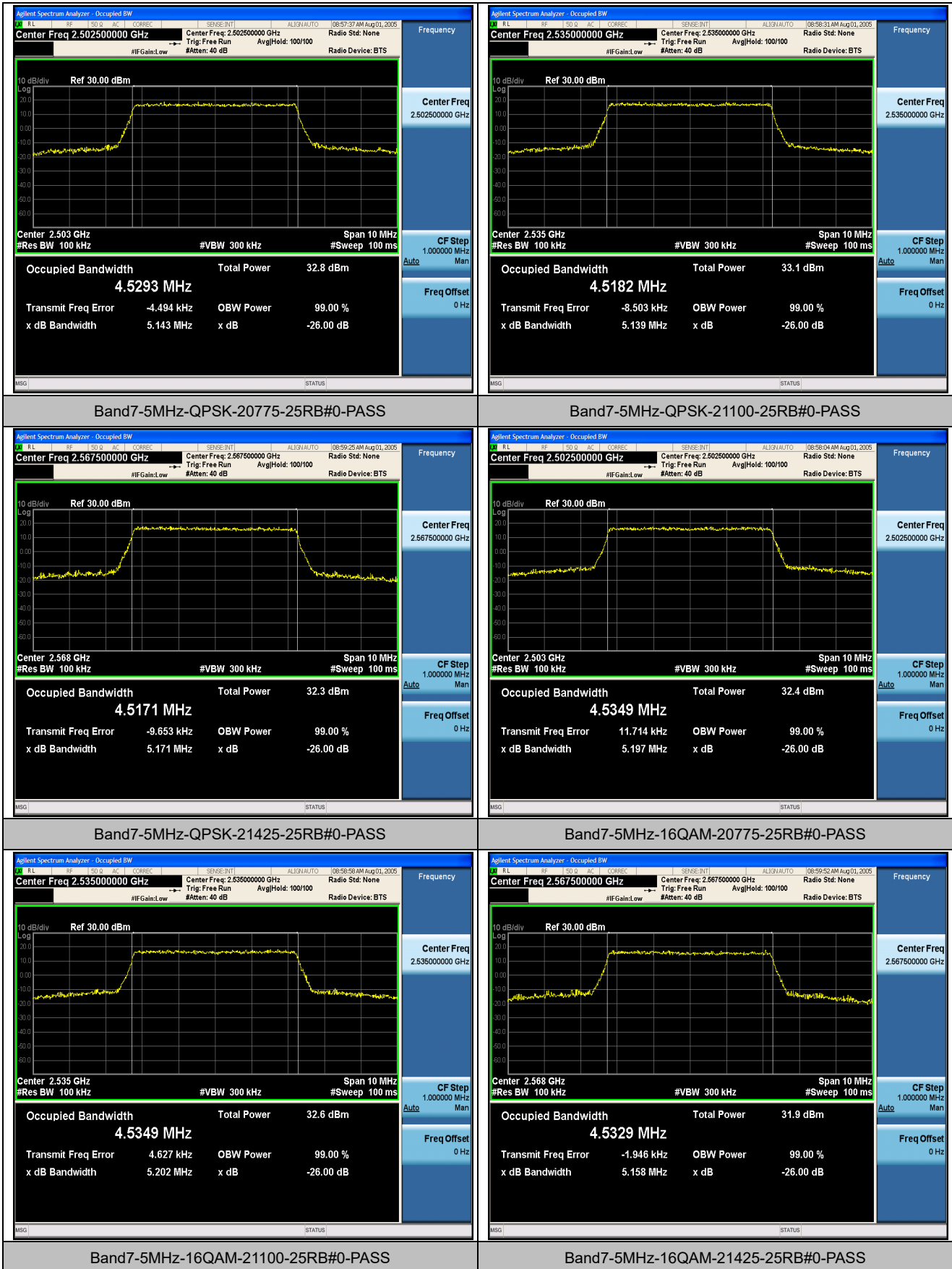


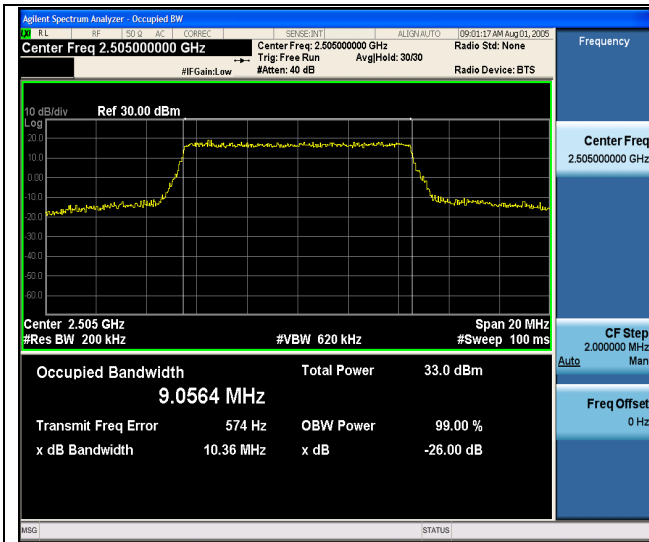
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5293	5.143	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5182	5.139	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5171	5.171	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5349	5.197	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5349	5.202	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5329	5.158	PASS
Band7	10MHz	QPSK	20800	50RB#0	9.0564	10.36	PASS
Band7	10MHz	QPSK	21100	50RB#0	9.0889	10.48	PASS
Band7	10MHz	QPSK	21400	50RB#0	9.0816	10.43	PASS
Band7	10MHz	16QAM	20800	50RB#0	9.0686	10.47	PASS
Band7	10MHz	16QAM	21100	50RB#0	9.0887	10.55	PASS
Band7	10MHz	16QAM	21400	50RB#0	9.0721	10.51	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.605	16.09	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.638	16.07	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.619	16.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.618	15.84	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.633	16.16	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.598	16.01	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.053	19.77	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.062	19.86	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.997	19.80	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.063	19.85	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.065	20.24	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.076	19.81	PASS

Test Graphs

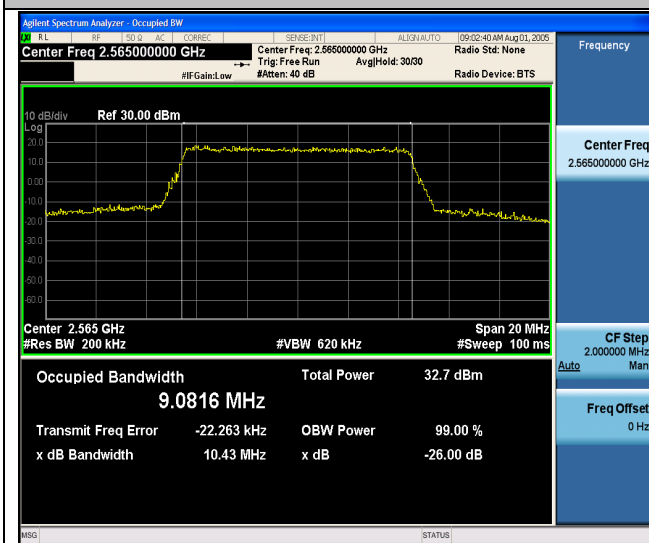




Band7-10MHz-QPSK-20800-50RB#0-PASS



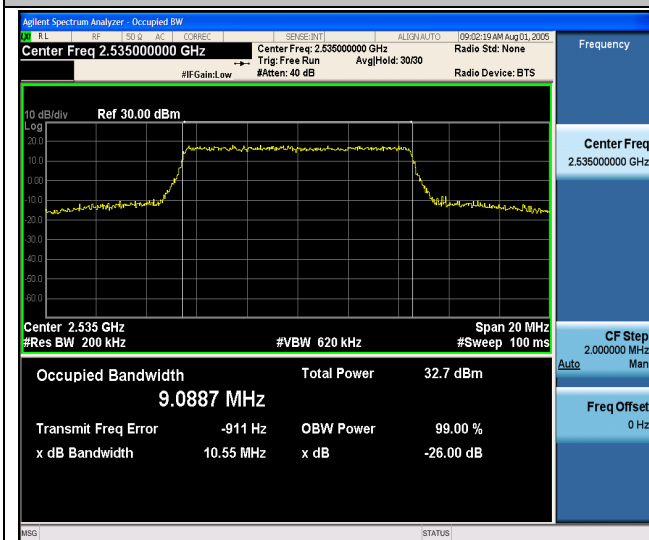
Band7-10MHz-QPSK-21100-50RB#0-PASS



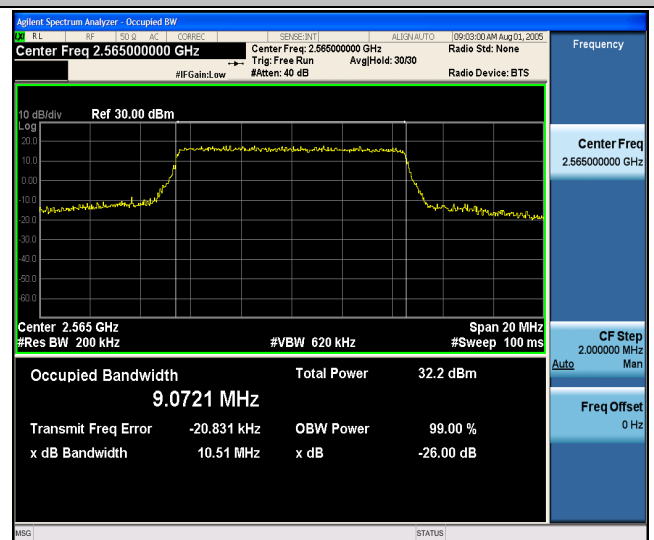
Band7-10MHz-QPSK-21400-50RB#0-PASS



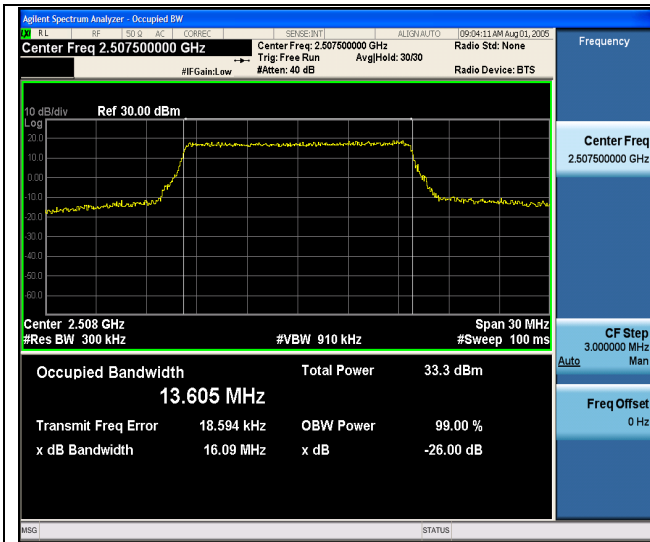
Band7-10MHz-16QAM-20800-50RB#0-PASS



Band7-10MHz-16QAM-21100-50RB#0-PASS



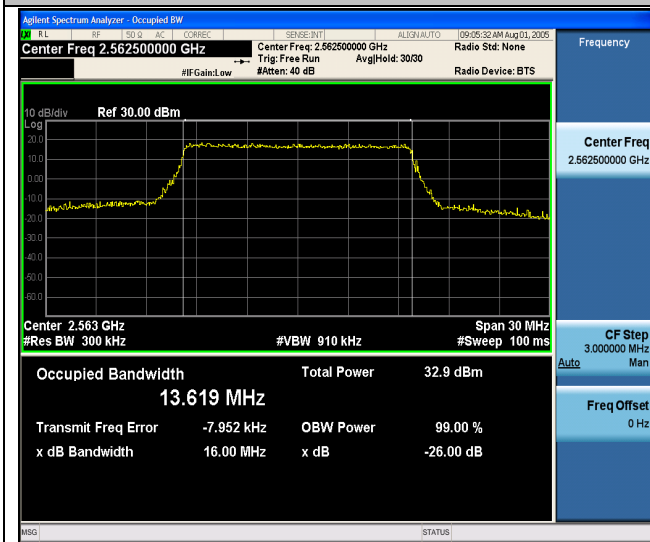
Band7-10MHz-16QAM-21400-50RB#0-PASS



Band7-15MHz-QPSK-20825-75RB#0-PASS



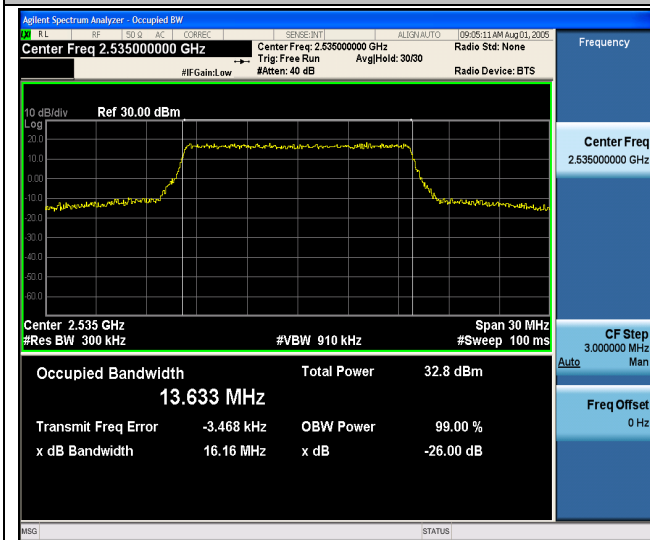
Band7-15MHz-QPSK-21100-75RB#0-PASS



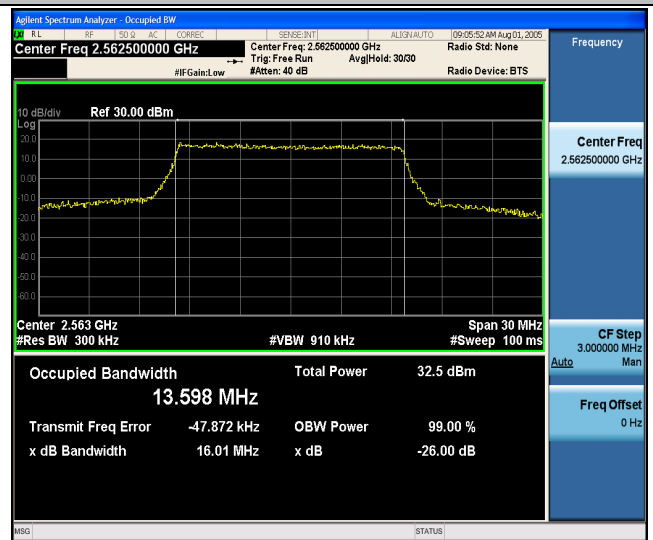
Band7-15MHz-QPSK-21375-75RB#0-PASS



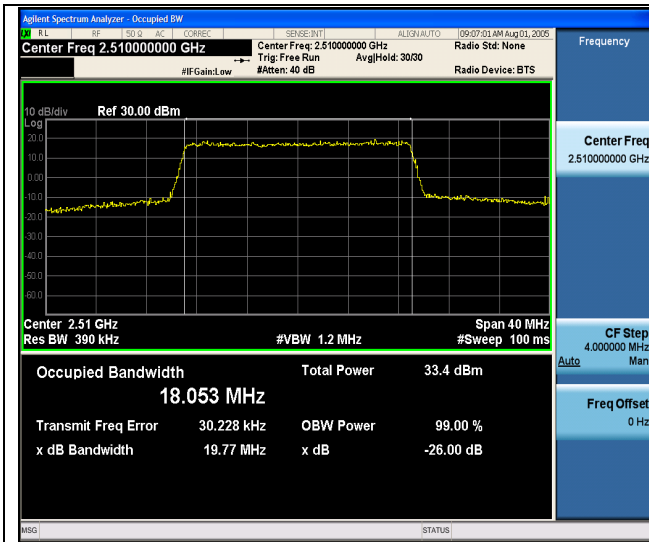
Band7-15MHz-16QAM-21100-75RB#0-PASS



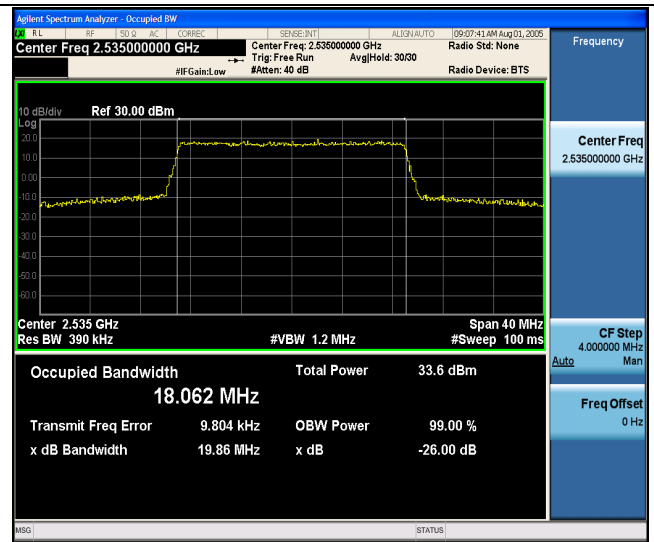
Band7-15MHz-16QAM-21375-75RB#0-PASS



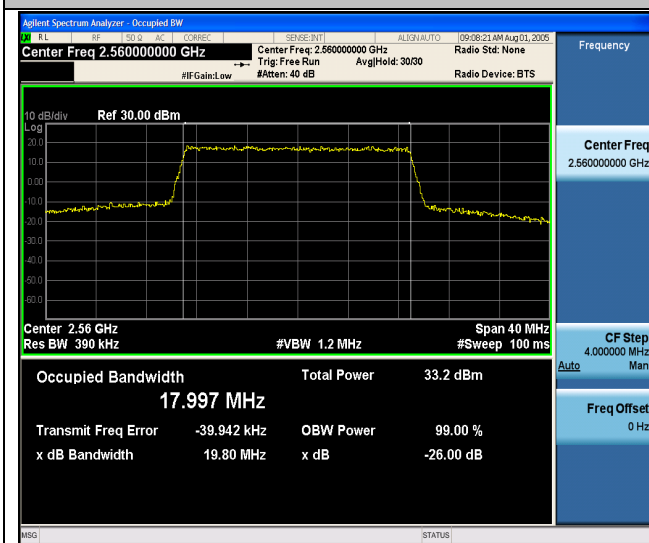
Band7-15MHz-16QAM-21375-75RB#0-PASS



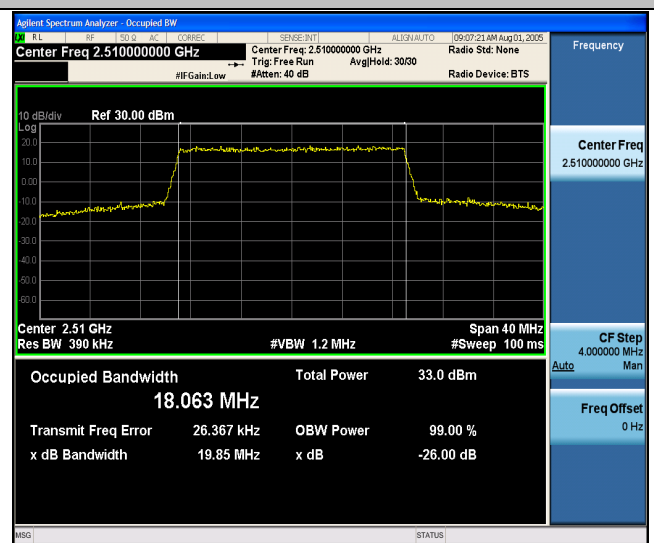
Band7-20MHz-QPSK-20850-100RB#0-PASS



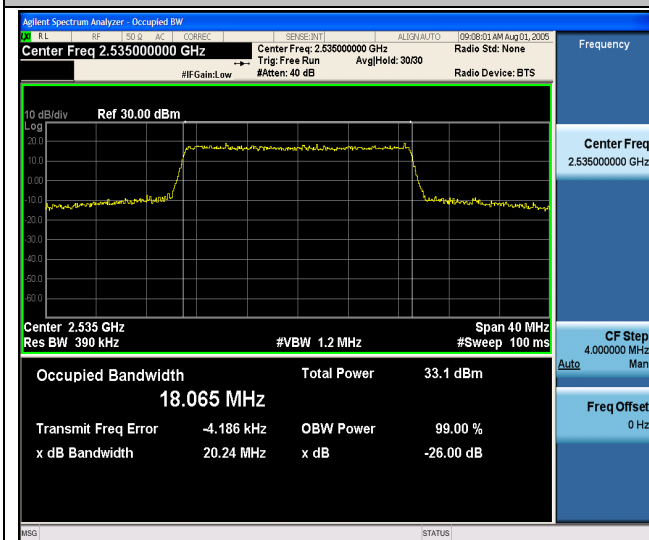
Band7-20MHz-QPSK-21100-100RB#0-PASS



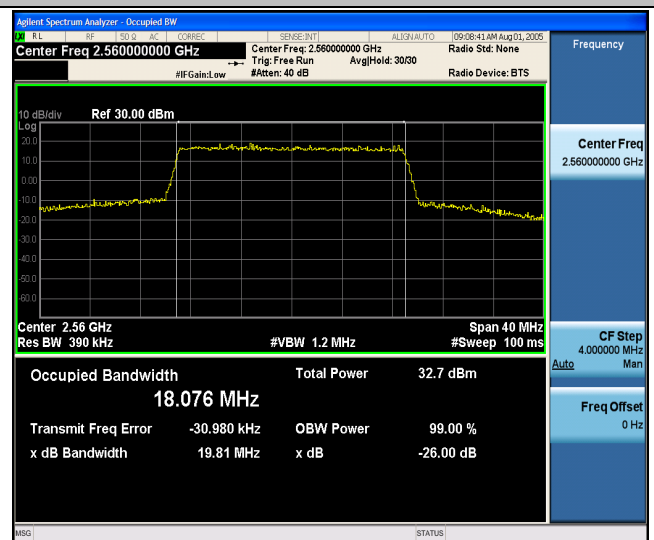
Band7-20MHz-QPSK-21350-100RB#0-PASS



Band7-20MHz-16QAM-20850-100RB#0-PASS



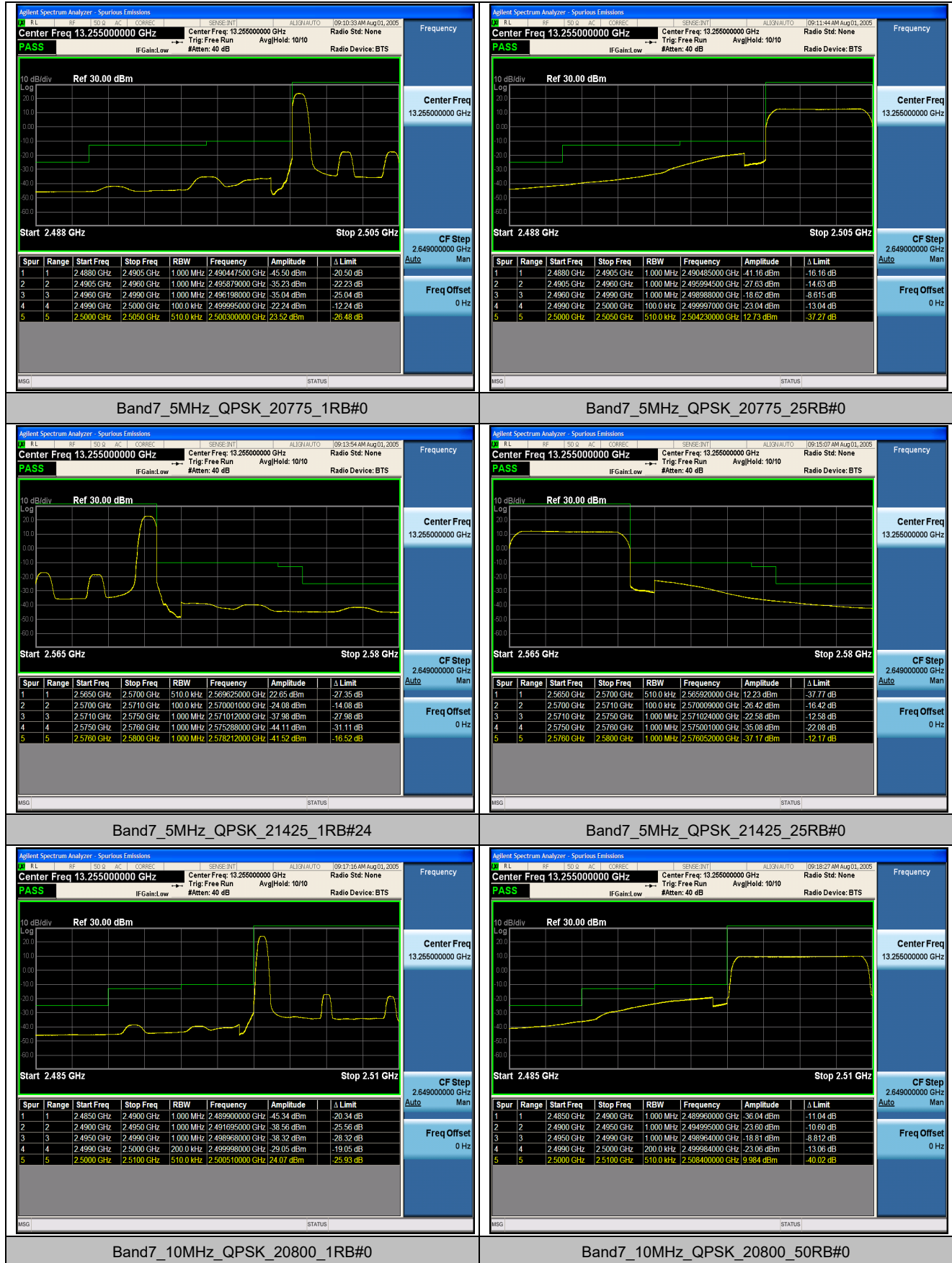
Band7-20MHz-16QAM-21100-100RB#0-PASS

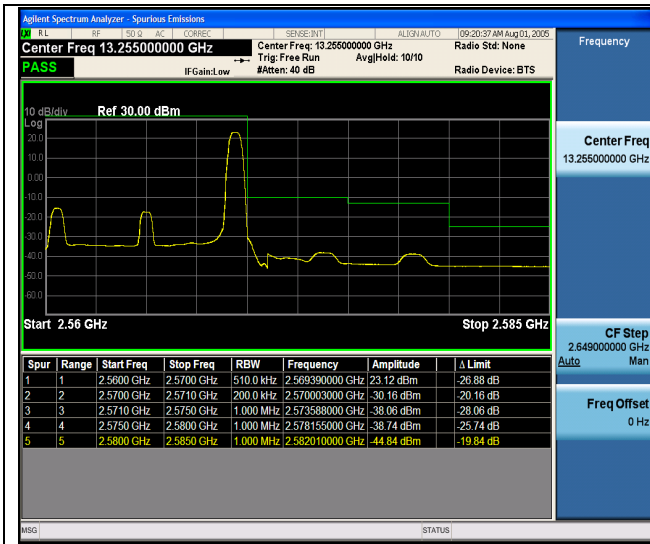


Band7-20MHz-16QAM-21350-100RB#0-PASS

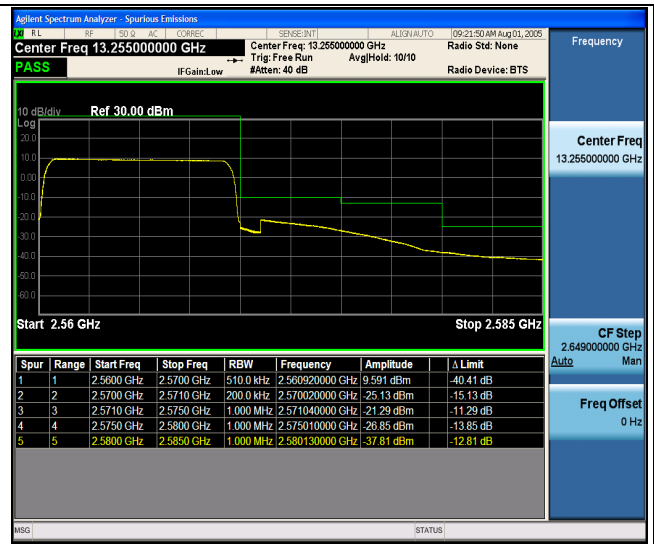
Band Edge

Test Graphs

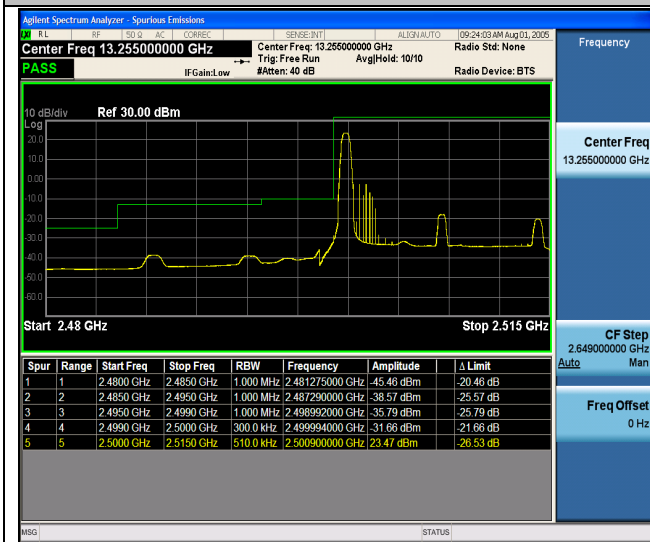




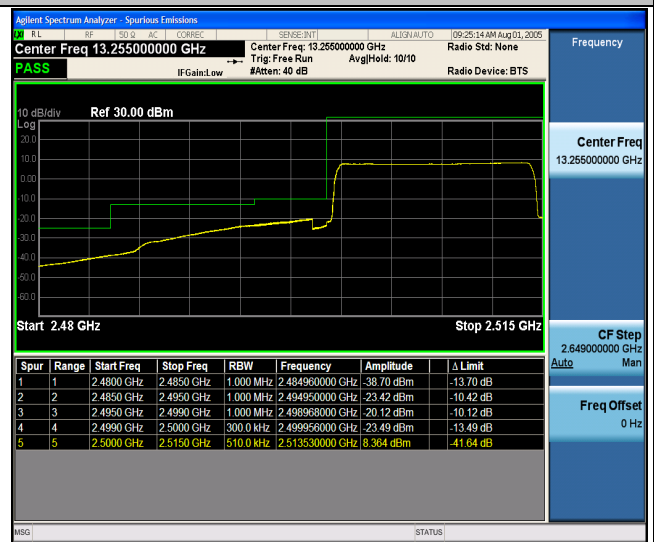
Band7_10MHz_QPSK_21400_1RB#49



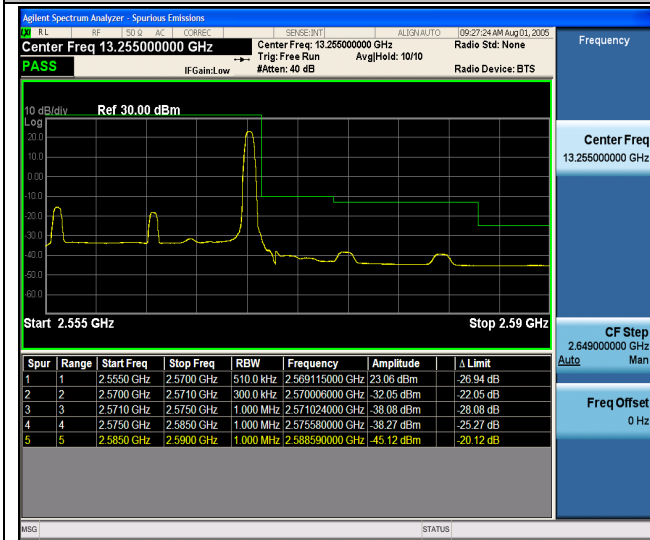
Band7_10MHz_QPSK_21400_50RB#0



Band7_15MHz_QPSK_20825_1RB#0



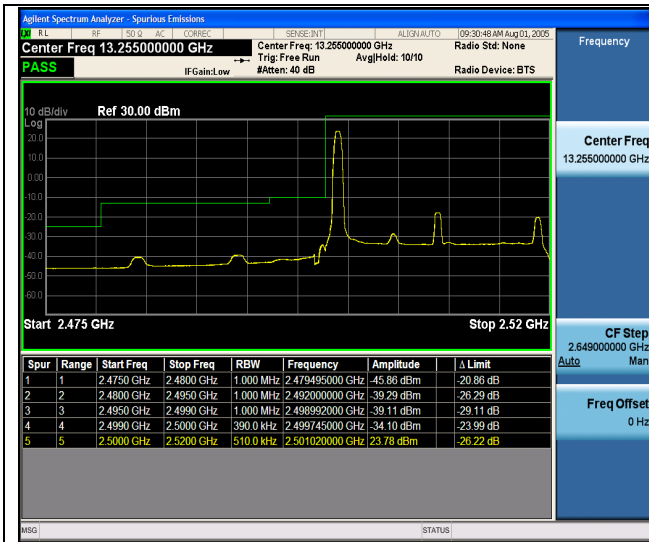
Band7_15MHz_QPSK_20825_75RB#0



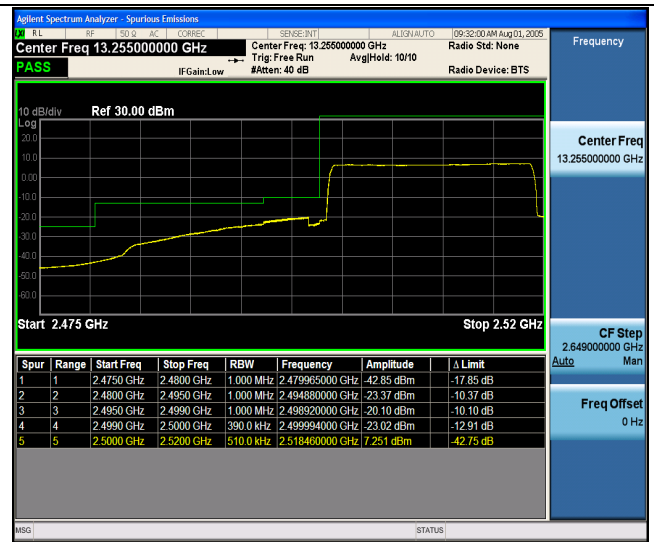
Band7_15MHz_QPSK_21375_1RB#74



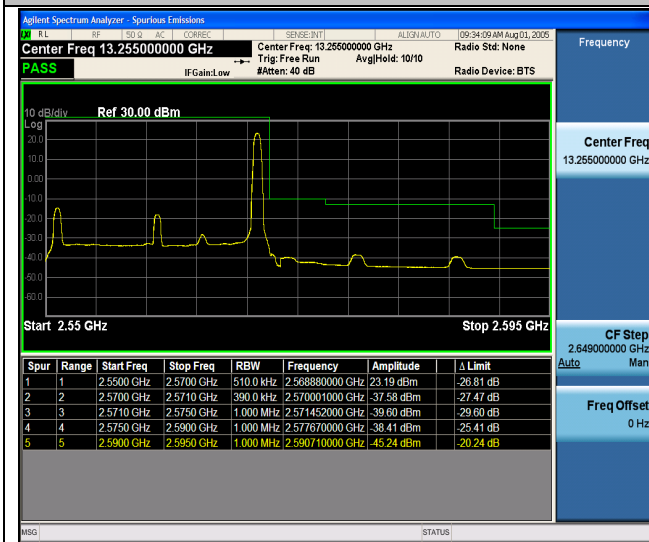
Band7_15MHz_QPSK_21375_75RB#0



Band7_20MHz_QPSK_20850_1RB#0



Band7_20MHz_QPSK_20850_100RB#0



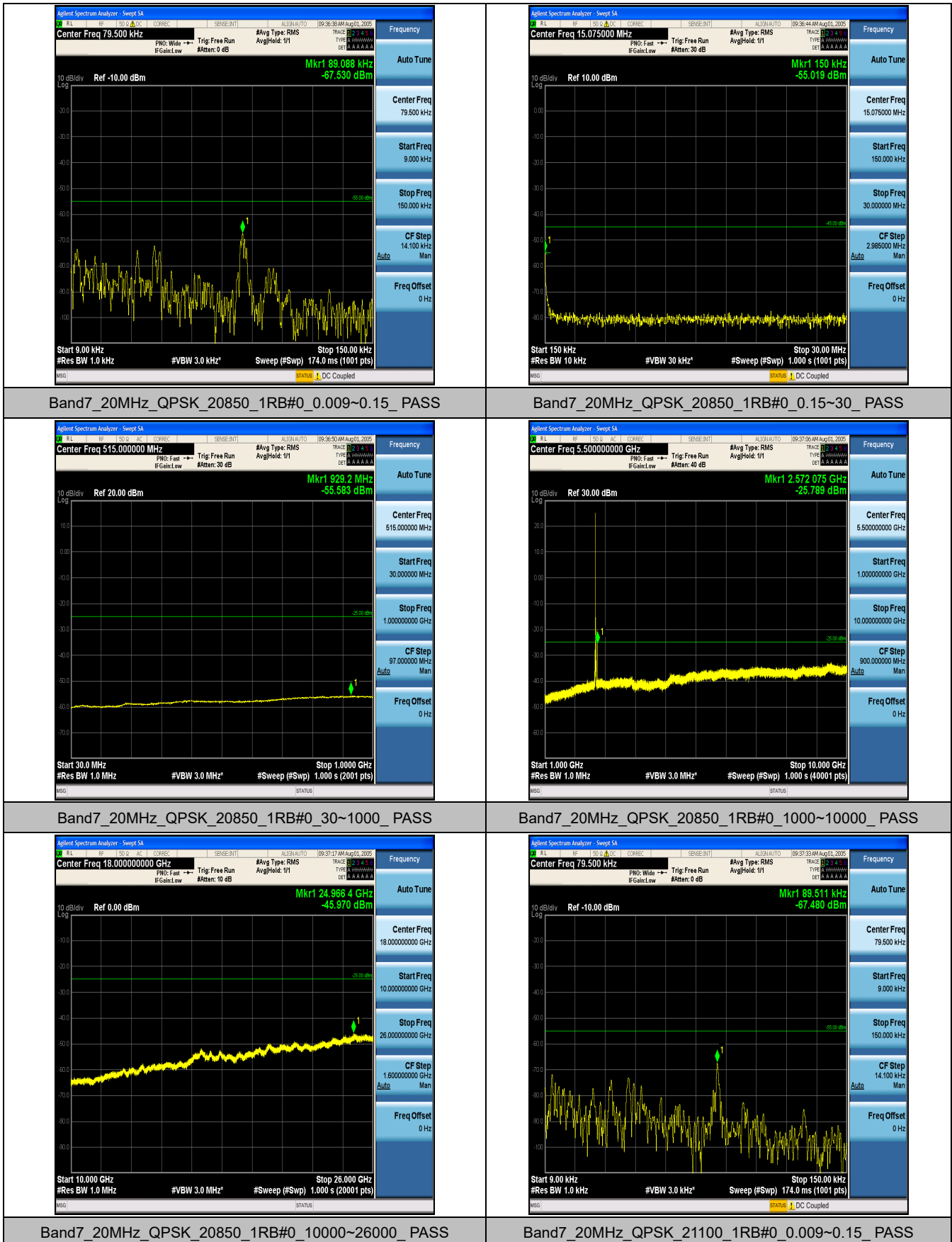
Band7_20MHz_QPSK_21350_1RB#99



Band7_20MHz_QPSK_21350_100RB#0

Conducted Spurious Emission

Test Result



Band7_20MHz_QPSK_20850_1RB#0_0.009~0.15_PASS

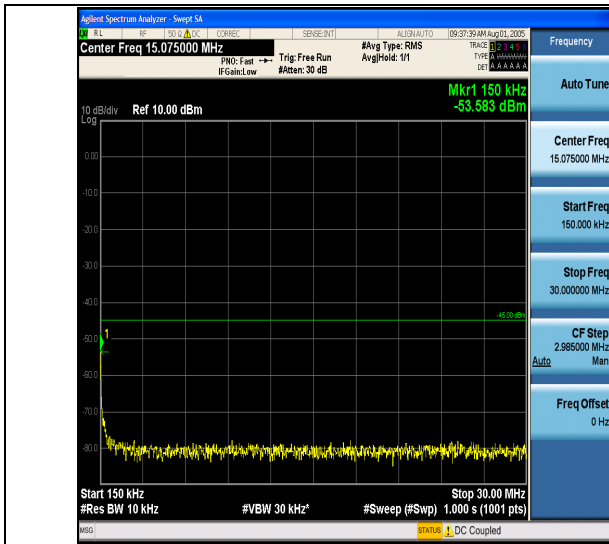
Band7_20MHz_QPSK_20850_1RB#0_0.15~30_PASS

Band7_20MHz_QPSK_20850_1RB#0_30~1000_PASS

Band7_20MHz_QPSK_20850_1RB#0_1000~10000_PASS

Band7_20MHz_QPSK_20850_1RB#0_10000~26000_PASS

Band7_20MHz_QPSK_21100_1RB#0_0.009~0.15_PASS



Band7_20MHz_QPSK_21100_1RB#0_0.15~30_PASS



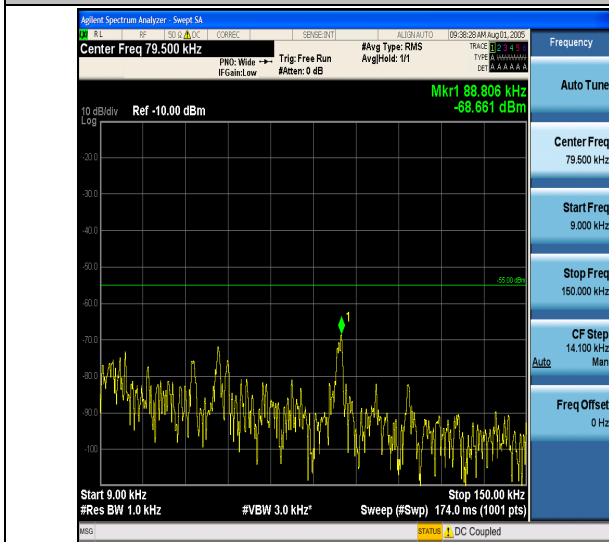
Band7_20MHz_QPSK_21100_1RB#0_30~1000_PASS



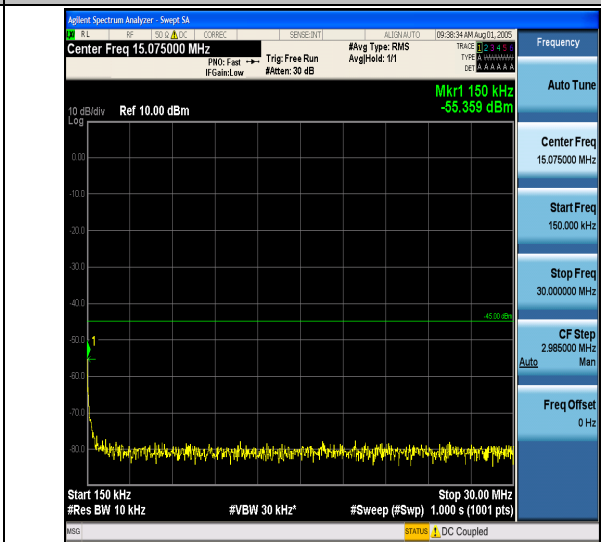
Band7_20MHz_QPSK_21100_1RB#0_1000~10000_PASS



Band7_20MHz_QPSK_21100_1RB#0_10000~26000_PASS



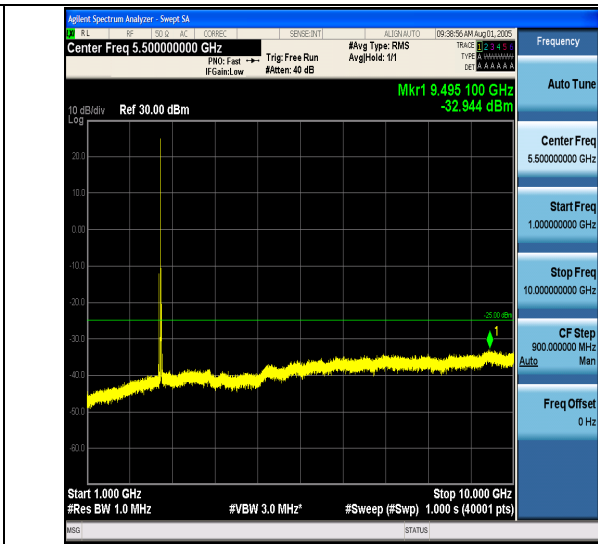
Band7_20MHz_QPSK_21350_1RB#0_0.009~0.15_0.009~ PASS



Band7_20MHz_QPSK_21350_1RB#0_0.15~30_PASS



Band7_20MHz_QPSK_21350_1RB#0_30~1000_PASS



Band7_20MHz_QPSK_21350_1RB#0_1000~10000_PASS



Band7_20MHz_QPSK_21350_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
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-4.80	-0.001893	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	58.10	0.022919	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	50.20	0.019803	PASS

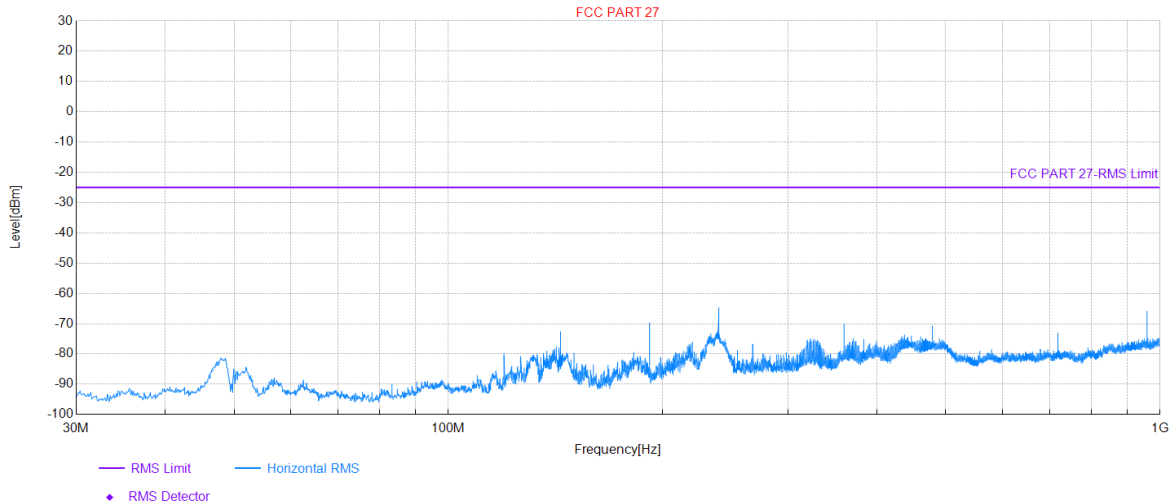
Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-9.80	-0.003866	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-22.20	-0.008757	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-40.70	-0.016055	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	30.10	0.011874	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	59.40	0.023432	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	22.50	0.008876	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	43.00	0.016963	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	58.50	0.023077	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	6.30	0.002485	PASS

Field Strength of Spurious Radiation

Below 1GHz

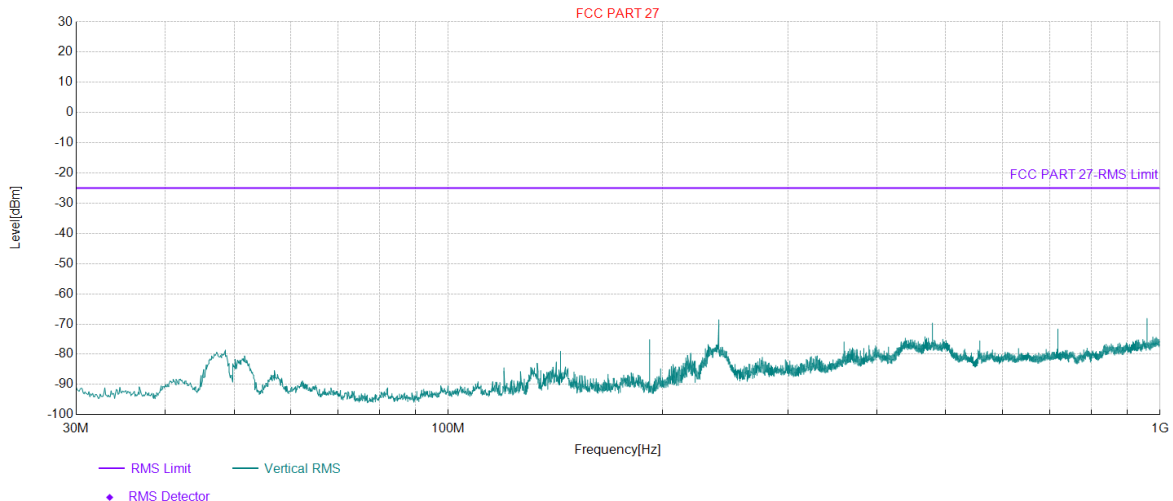
Project Information			
Mode:	LTE	Band:	Band 7
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 27			

Test Graph



Project Information			
Mode:	LTE	Band:	Band 7
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 27			

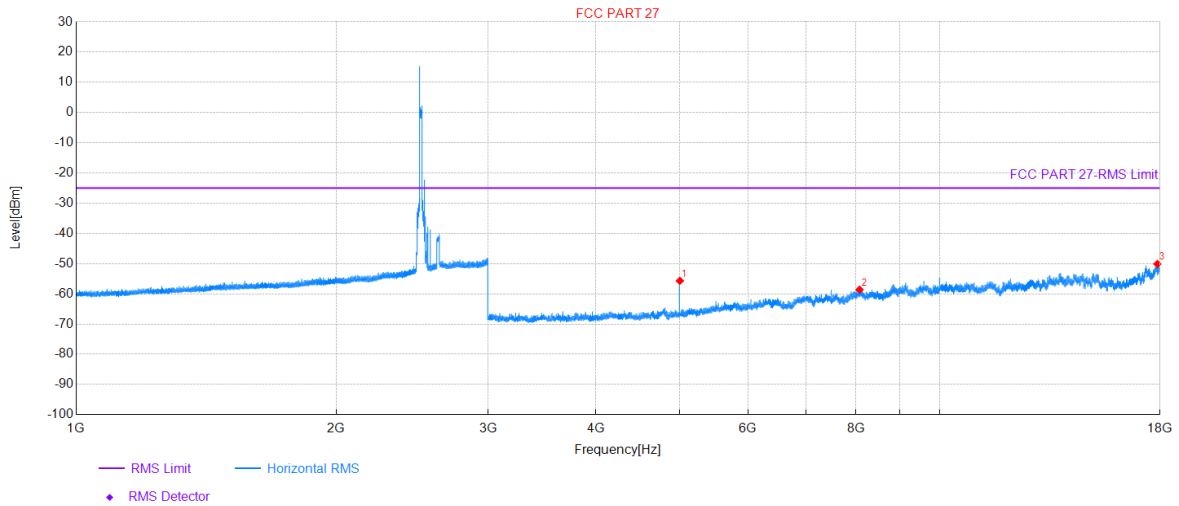
Test Graph



Above 1GHz

Project Information			
Mode:	LTE	Band:	Band 7
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	Low	Engineer:	欧树炎
Test Standard: FCC PART 27			

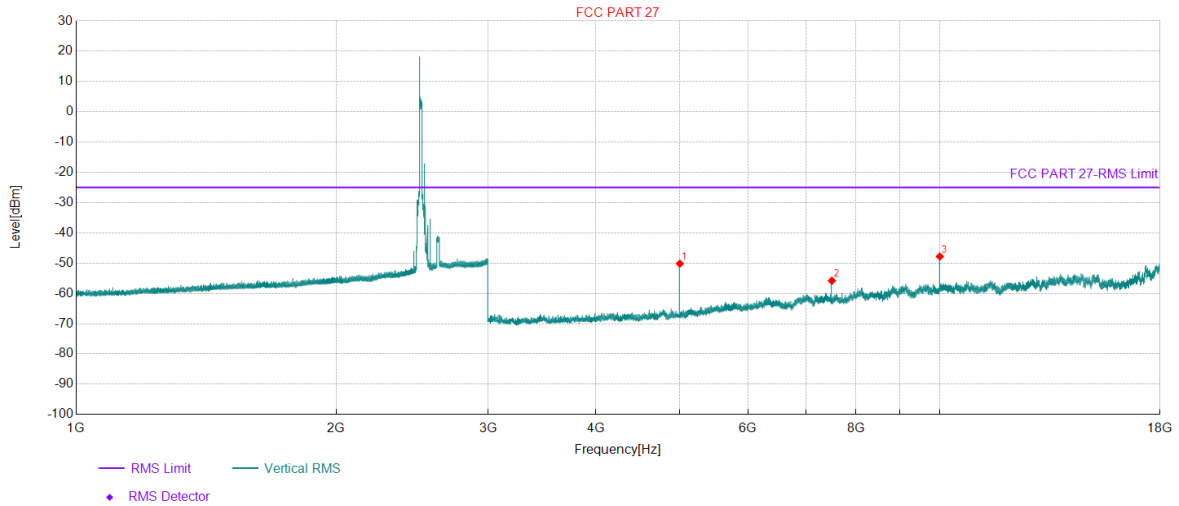
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	5002	47.18	-102.86	-55.68	-25.00	30.68	164	142	RMS	Horizontal	PASS
2	8077	36.47	-95.10	-58.63	-25.00	33.63	/	/	RMS	Horizontal	PASS
3	17871	31.97	-82.09	-50.12	-25.00	25.12	/	/	RMS	Horizontal	PASS

Project Information			
Mode:	LTE	Band:	Band 7
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	Low	Engineer:	欧树炎
Test Standard: FCC PART 27			

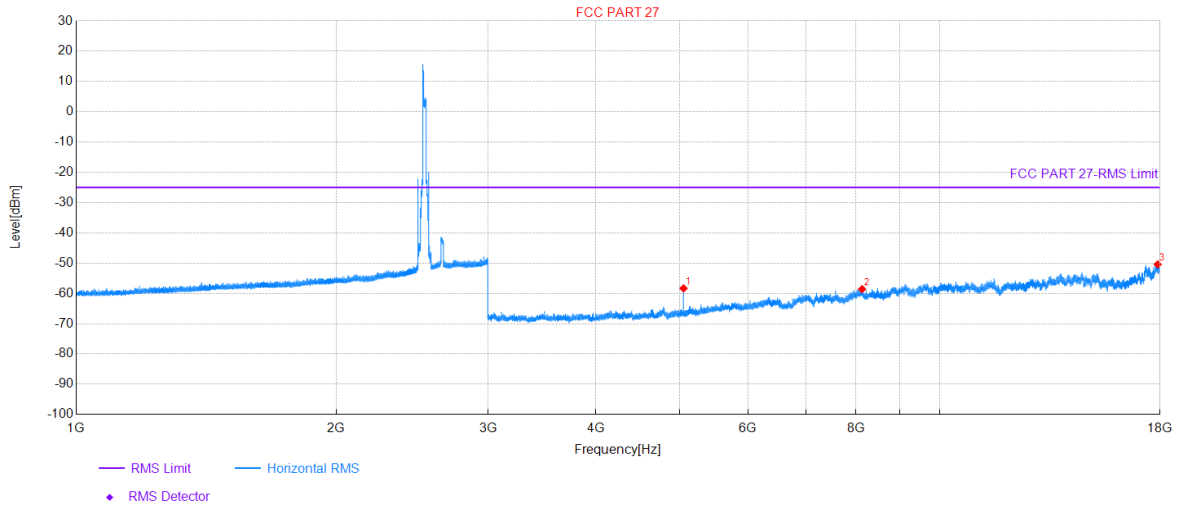
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	5002	52.70	-102.86	-50.16	-25.00	25.16	189	286	RMS	Vertical	PASS
2	7503	40.93	-96.73	-55.80	-25.00	30.80	192	141	RMS	Vertical	PASS
3	10004.5	43.89	-91.69	-47.80	-25.00	22.80	145	286	RMS	Vertical	PASS

Project Information			
Mode:	LTE	Band:	Band 7
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 27			

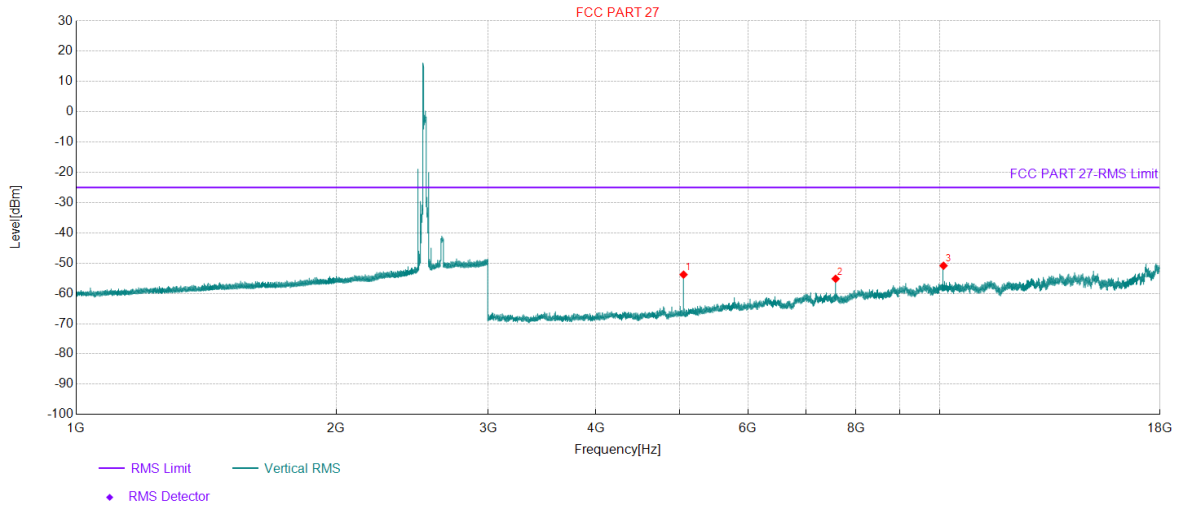
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	5052	44.49	-102.82	-58.33	-25.00	33.33	138	157	RMS	Horizontal	PASS
2	8132	36.10	-94.68	-58.58	-25.00	33.58	/	/	RMS	Horizontal	PASS
3	17890	31.90	-82.31	-50.41	-25.00	25.41	/	/	RMS	Horizontal	PASS

Project Information			
Mode:	LTE	Band:	Band 7
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 27			

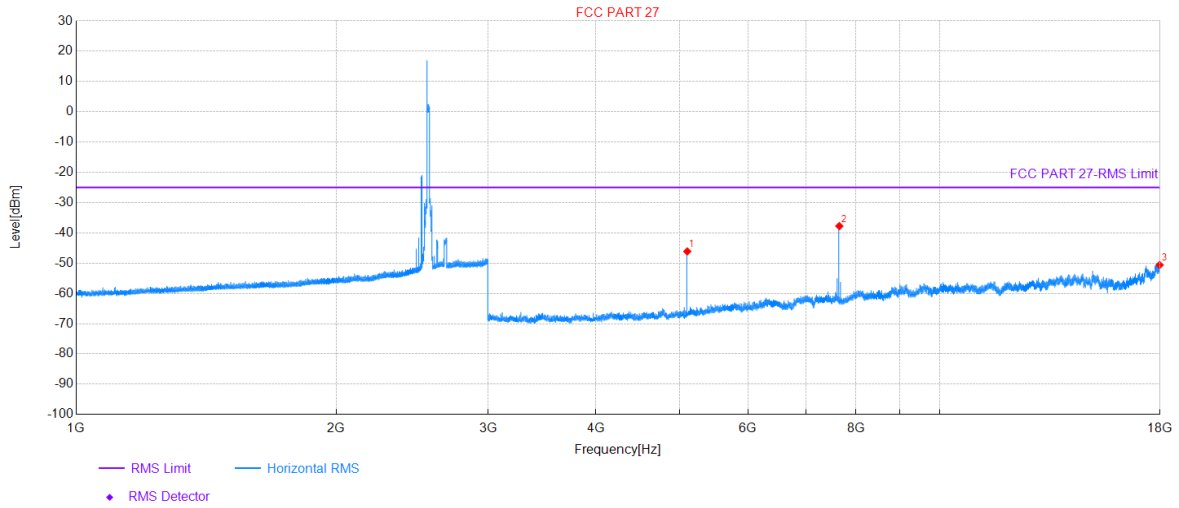
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	5052	49.04	-102.82	-53.78	-25.00	28.78	153	356	RMS	Vertical	PASS
2	7578	41.43	-96.58	-55.15	-25.00	30.15	164	330	RMS	Vertical	PASS
3	10104.5	41.22	-92.07	-50.85	-25.00	25.85	132	344	RMS	Vertical	PASS

Project Information			
Mode:	LTE	Band:	Band 7
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 27			

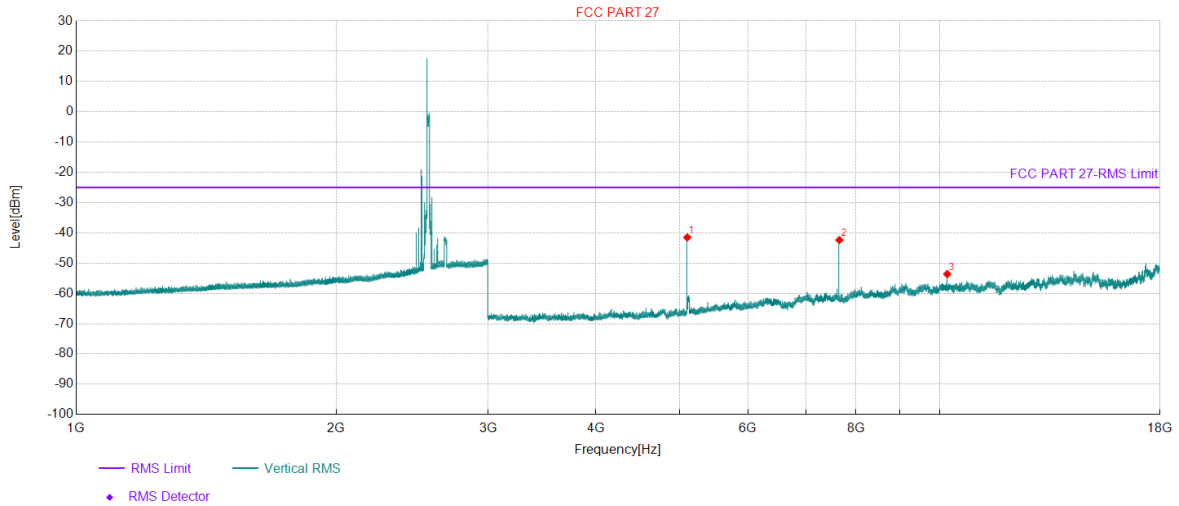
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	5102	56.58	-102.71	-46.13	-25.00	21.13	134	169	RMS	Horizontal	PASS
2	7653.5	58.50	-96.26	-37.76	-25.00	12.76	145	307	RMS	Horizontal	PASS
3	17978	31.50	-82.11	-50.61	-25.00	25.61	/	/	RMS	Horizontal	PASS

Project Information			
Mode:	LTE	Band:	Band 7
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	High	Engineer:	欧树炎
Test Standard: FCC PART 27			

Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	5102.5	61.20	-102.70	-41.50	-25.00	16.50	150	267	RMS	Vertical	PASS
2	7653.5	53.90	-96.26	-42.36	-25.00	17.36	232	359	RMS	Vertical	PASS
3	10204.5	38.10	-91.71	-53.61	-25.00	28.61	169	53	RMS	Vertical	PASS