

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.92	23.09	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.89	23.06	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.85	23.02	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.71	22.88	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.10	23.27	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.00	23.17	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.63	22.8	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.59	22.76	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.16	22.33	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.93	22.1	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.80	21.97	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.51	21.68	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.71	22.88	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.56	22.73	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.69	22.86	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	23.12	22.29	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.76	22.93	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.71	22.88	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.73	22.9	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	23.13	22.3	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.94	22.11	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.61	21.78	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.57	21.74	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.92	21.09	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.92	23.09	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.85	23.02	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.81	22.98	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.54	22.71	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.17	23.34	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.59	22.76	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.50	22.67	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.40	22.57	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.30	22.47	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.39	22.56	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.30	21.47	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.47	21.64	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.58	22.75	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.47	22.64	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.96	23.13	38.45	PASS

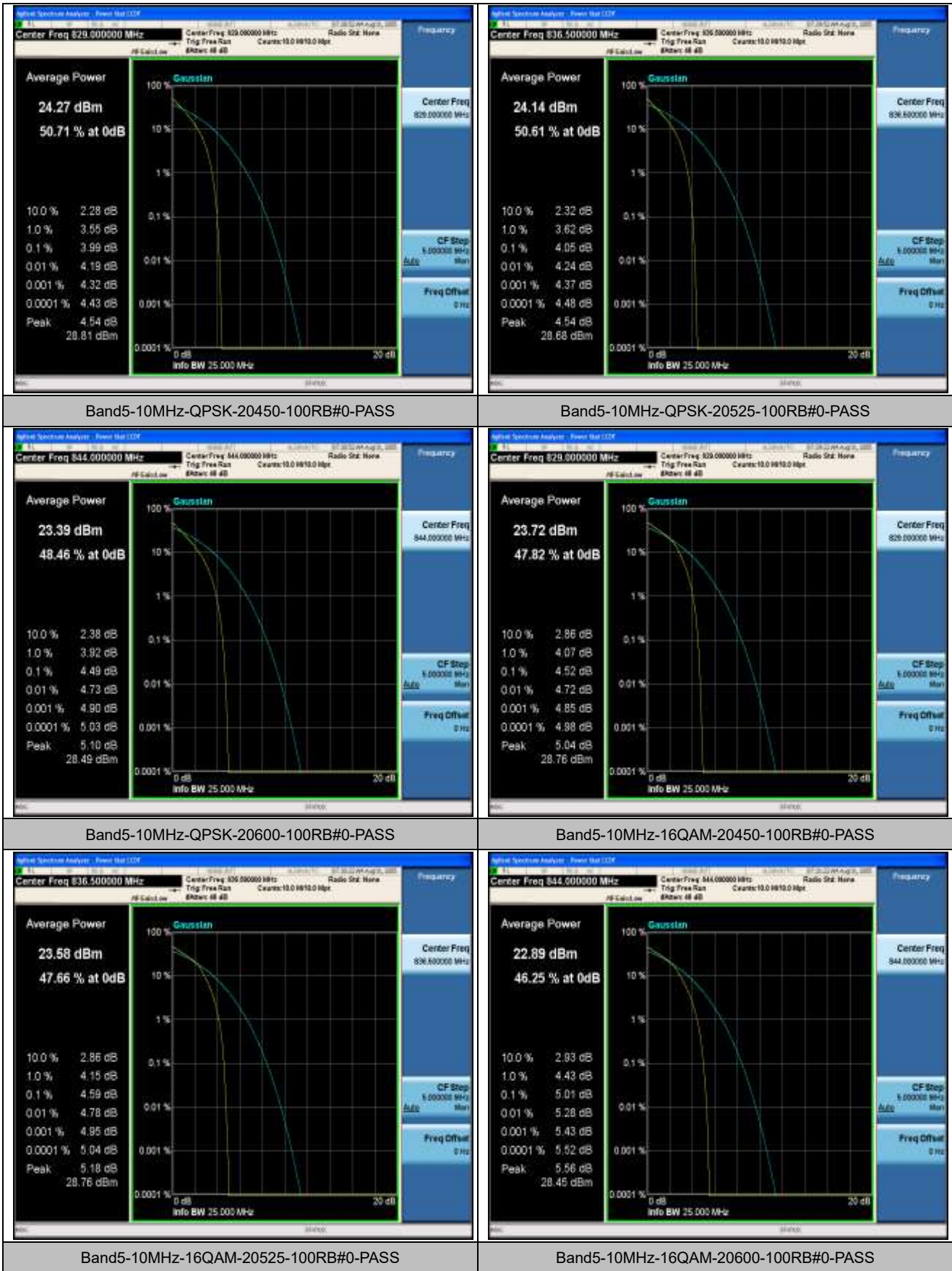
Band5	3MHz	16QAM	20415	15RB#0	23.06	22.23	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.79	22.96	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.26	22.43	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.74	22.91	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.86	22.03	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.92	22.09	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.47	21.64	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.68	20.85	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.25	21.42	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.96	23.13	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.01	23.18	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.02	23.19	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.69	22.86	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.27	23.44	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.59	22.76	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.57	22.74	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.46	22.63	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.33	22.5	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.91	22.08	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.95	23.12	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.48	21.65	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.72	22.89	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.69	22.86	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.92	23.09	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	23.20	22.37	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.88	23.05	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.36	22.53	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.35	22.52	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.92	22.09	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.98	22.15	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.59	21.76	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.47	21.64	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.86	21.03	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.36	23.53	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.98	23.15	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.00	23.17	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.79	22.96	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.62	23.79	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.63	22.8	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.59	22.76	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.44	22.61	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.33	23.5	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.00	22.17	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.08	22.25	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.69	21.86	38.45	PASS

Band5	10MHz	16QAM	20450	1RB#0	24.13	23.3	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.69	22.86	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	24.49	23.66	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	23.28	22.45	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	24.46	23.63	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.34	22.51	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.82	22.99	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.88	22.05	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.91	23.08	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.76	21.93	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.87	22.04	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.05	21.22	38.45	PASS

Peak-to-Average Ratio(CCDF)**Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	100RB#0	3.99	13	PASS
Band5	10MHz	QPSK	20525	100RB#0	4.05	13	PASS
Band5	10MHz	QPSK	20600	100RB#0	4.49	13	PASS
Band5	10MHz	16QAM	20450	100RB#0	4.52	13	PASS
Band5	10MHz	16QAM	20525	100RB#0	4.59	13	PASS
Band5	10MHz	16QAM	20600	100RB#0	5.01	13	PASS

Test Graphs



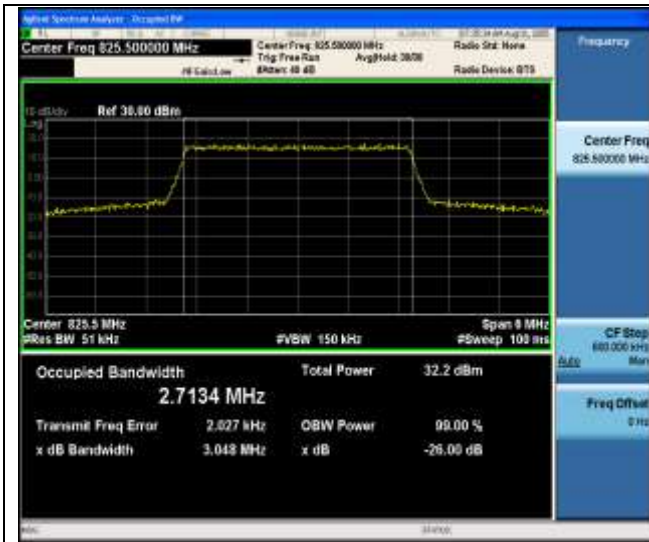
26dB Bandwidth and Occupied Bandwidth

Test Result

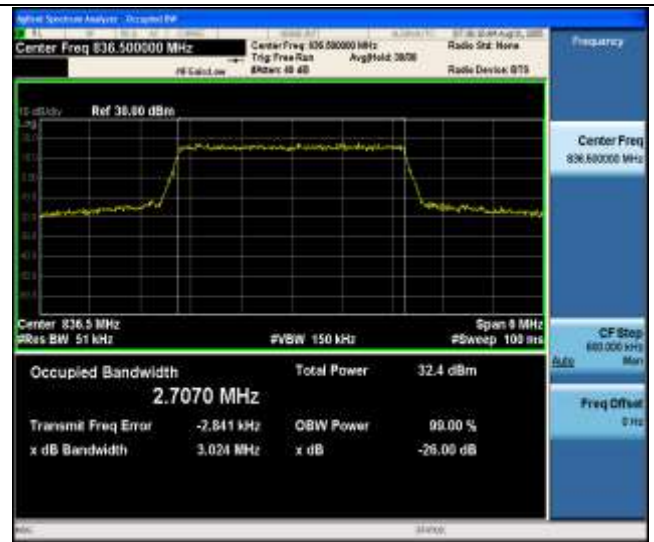
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.1195	1.523	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1152	1.476	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1155	1.493	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1367	1.502	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1322	1.527	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.1300	1.462	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7134	3.048	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7070	3.024	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7061	3.031	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7183	3.035	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7079	2.999	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7081	3.002	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5275	5.244	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5266	5.166	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5249	5.123	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5376	5.228	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5374	5.194	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5294	5.193	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0596	10.50	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0646	10.56	PASS
Band5	10MHz	QPSK	20600	50RB#0	9.0390	10.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	9.0736	10.50	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0761	10.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	9.0690	10.49	PASS

Test Graphs





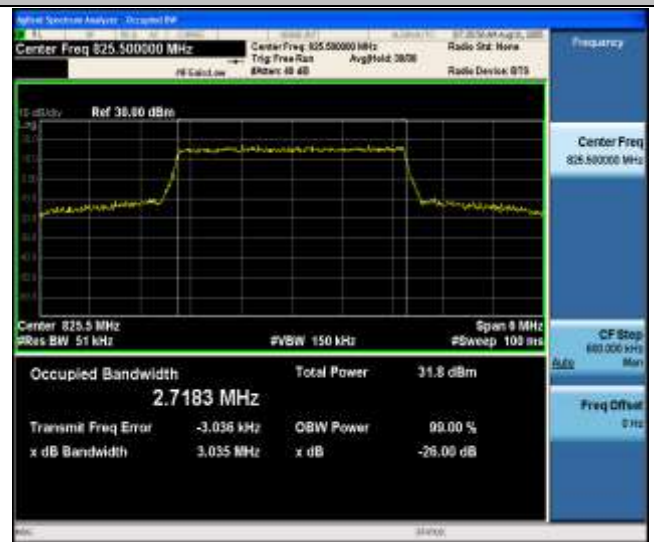
Band5-3MHz-QPSK-20415-15RB#0-PASS



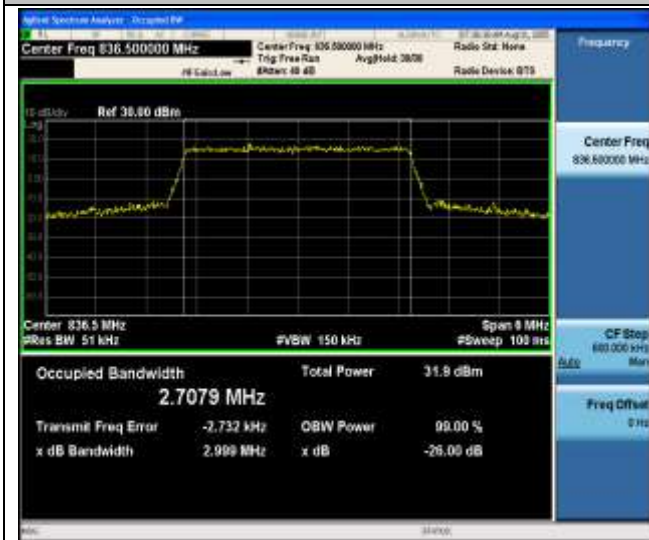
Band5-3MHz-QPSK-20525-15RB#0-PASS



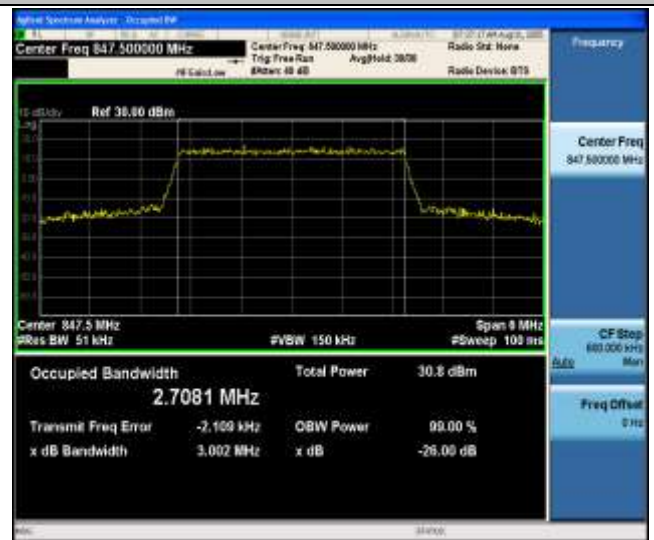
Band5-3MHz-QPSK-20635-15RB#0-PASS



Band5-3MHz-16QAM-20415-15RB#0-PASS



Band5-3MHz-16QAM-20525-15RB#0-PASS



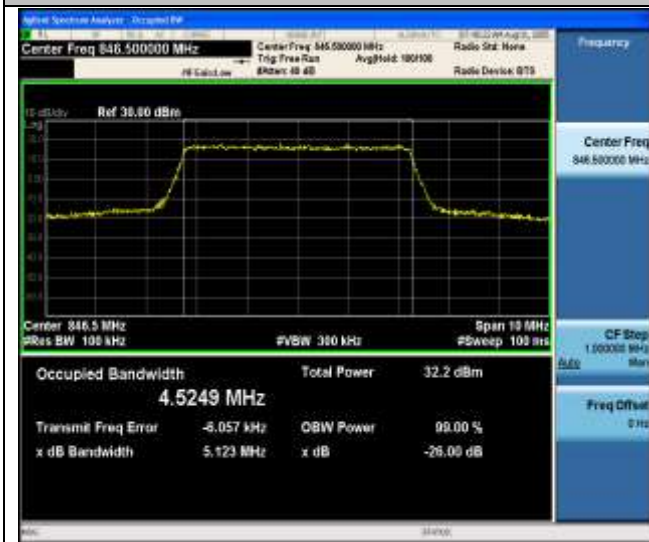
Band5-3MHz-16QAM-20635-15RB#0-PASS



Band5-5MHz-QPSK-20425-25RB#0-PASS



Band5-5MHz-QPSK-20525-25RB#0-PASS



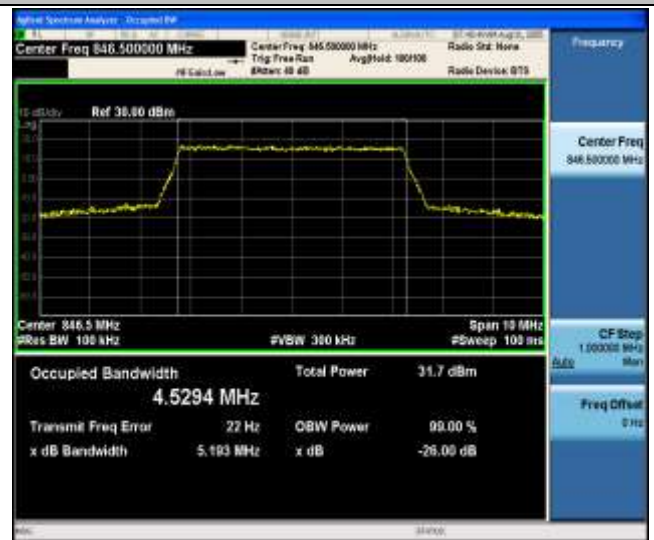
Band5-5MHz-QPSK-20625-25RB#0-PASS



Band5-5MHz-16QAM-20425-25RB#0-PASS



Band5-5MHz-16QAM-20525-25RB#0-PASS



Band5-5MHz-16QAM-20625-25RB#0-PASS



Band5-10MHz-QPSK-20450-50RB#0-PASS



Band5-10MHz-QPSK-20525-50RB#0-PASS



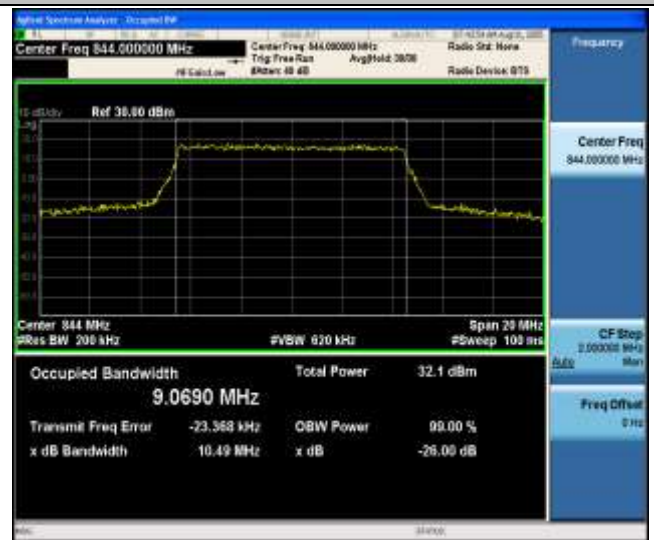
Band5-10MHz-QPSK-20600-50RB#0-PASS



Band5-10MHz-16QAM-20450-50RB#0-PASS



Band5-10MHz-16QAM-20525-50RB#0-PASS



Band5-10MHz-16QAM-20600-50RB#0-PASS

Band Edge

Test Graphs



Band5_1.4MHz_QPSK_20407_1RB#0

Band5_1.4MHz_QPSK_20407_6RB#0



Band5_1.4MHz_QPSK_20643_1RB#5

Band5_1.4MHz_QPSK_20643_6RB#0



Band5_3MHz_QPSK_20415_1RB#0

Band5_3MHz_QPSK_20415_15RB#0



Band5_3MHz_QPSK_20635_1RB#14



Band5_3MHz_QPSK_20635_15RB#0



Band5_5MHz_QPSK_20425_1RB#0



Band5_5MHz_QPSK_20425_25RB#0



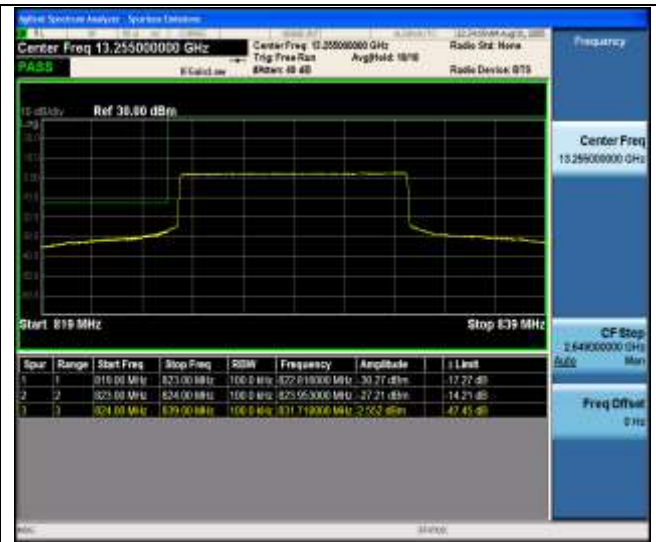
Band5_5MHz_QPSK_20625_1RB#24



Band5_5MHz_QPSK_20625_25RB#0



Band5_10MHz_QPSK_20450_1RB#0



Band5_10MHz_QPSK_20450_50RB#0



Band5_10MHz_QPSK_20600_1RB#49



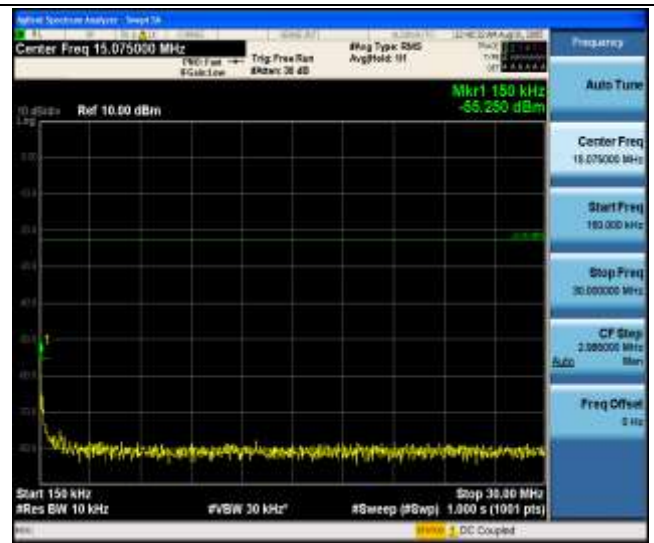
Band5_10MHz_QPSK_20600_50RB#0

Conducted Spurious Emission

Test Graphs



Band5_10MHz_QPSK_20450_1RB#0_0.009~0.15_PASS



Band5_10MHz_QPSK_20450_1RB#0_0.15~30_PASS



Band5_10MHz_QPSK_20450_1RB#0_30~1000_PASS



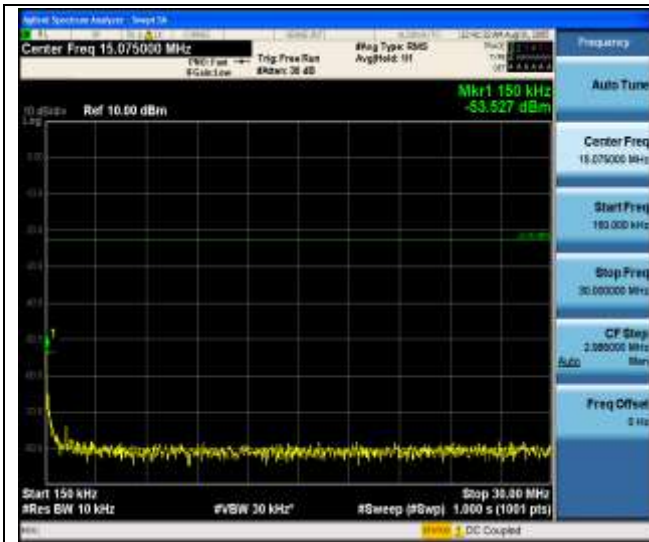
Band5_10MHz_QPSK_20450_1RB#0_1000~3000_PASS



Band5_10MHz_QPSK_20450_1RB#0_3000~10000_PASS



Band5_10MHz_QPSK_20525_1RB#0_0.009~0.15_PASS



Band5_10MHz_QPSK_20525_1RB#0_0.15~30_PASS



Band5_10MHz_QPSK_20525_1RB#0_30~1000_PASS



Band5_10MHz_QPSK_20525_1RB#0_1000~3000_PASS



Band5_10MHz_QPSK_20525_1RB#0_3000~10000_PASS



Band5_10MHz_QPSK_20600_1RB#0_0.009~0.15_PASS



Band5_10MHz_QPSK_20600_1RB#0_0.15~30_PASS



Band5_10MHz_QPSK_20600_1RB#0_30~1000_PASS



Band5_10MHz_QPSK_20600_1RB#0_1000~3000_PASS



Band5_10MHz_QPSK_20600_1RB#0_3000~10000_PASS

Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	100RB#0	VN	NT	-5.90	-0.007053	±2.5	PASS
Band5	10MHz	QPSK	20525	100RB#0	VL	NT	9.20	0.010998	±2.5	PASS
Band5	10MHz	QPSK	20525	100RB#0	VH	NT	12.10	0.014465	±2.5	PASS

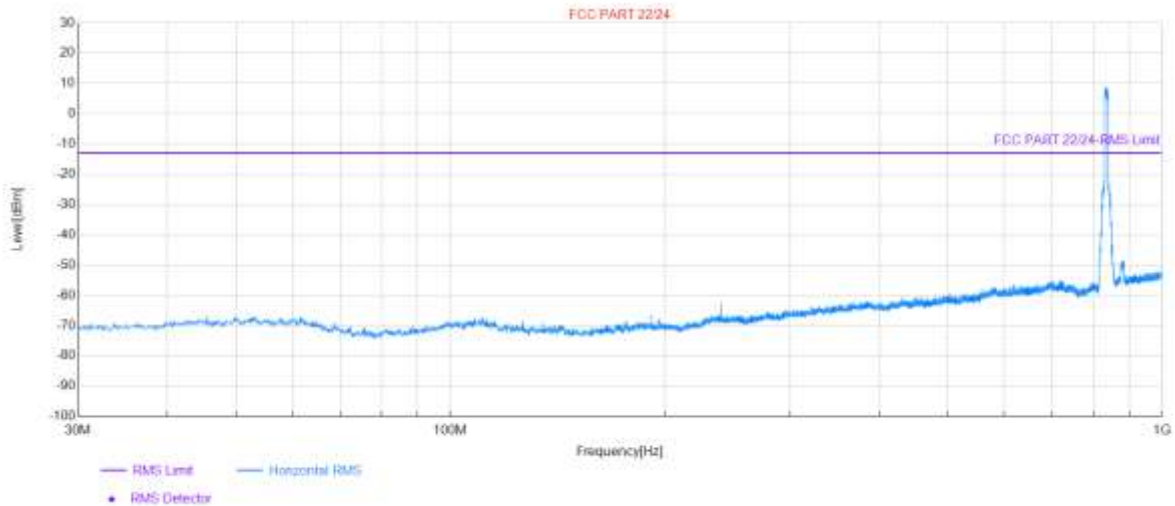
Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	100RB#0	NV	-30	-2.10	-0.002510	±2.5	PASS
Band5	10MHz	QPSK	20525	100RB#0	NV	-20	-7.60	-0.009085	±2.5	PASS
Band5	10MHz	QPSK	20525	100RB#0	NV	-10	-8.30	-0.009922	±2.5	PASS
Band5	10MHz	QPSK	20525	100RB#0	NV	0	14.20	0.016975	±2.5	PASS
Band5	10MHz	QPSK	20525	100RB#0	NV	10	14.50	0.017334	±2.5	PASS
Band5	10MHz	QPSK	20525	100RB#0	NV	20	-4.10	-0.004901	±2.5	PASS
Band5	10MHz	QPSK	20525	100RB#0	NV	30	-7.00	-0.008368	±2.5	PASS
Band5	10MHz	QPSK	20525	100RB#0	NV	40	-7.70	-0.009205	±2.5	PASS
Band5	10MHz	QPSK	20525	100RB#0	NV	50	-10.30	-0.012313	±2.5	PASS

Field Strength of Spurious Radiation

Below 1GHz

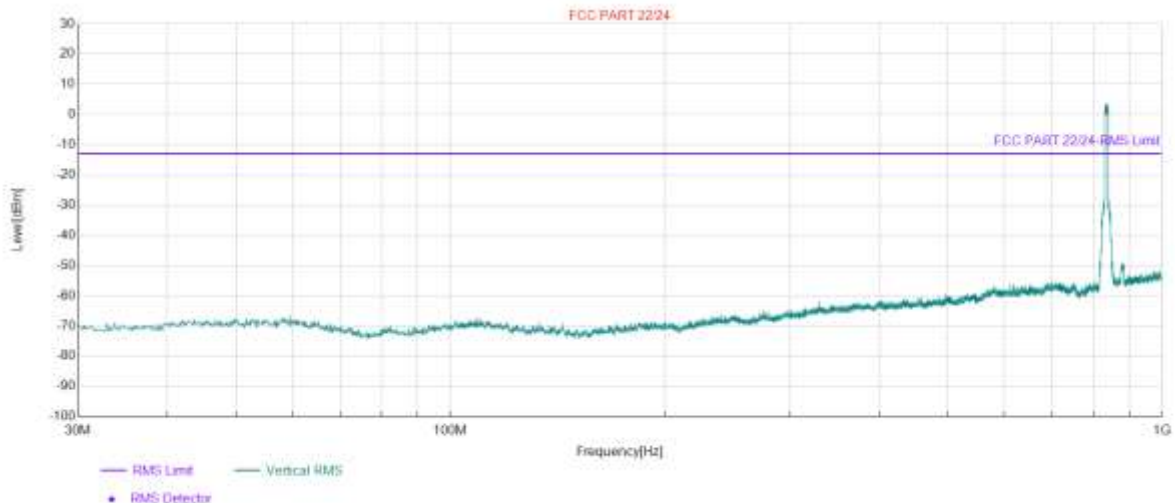
Project Information			
Mode:	LTE	Band:	Band 5
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

Test Graph



Project Information			
Mode:	LTE	Band:	Band 5
Bandwidth:	20MHz	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

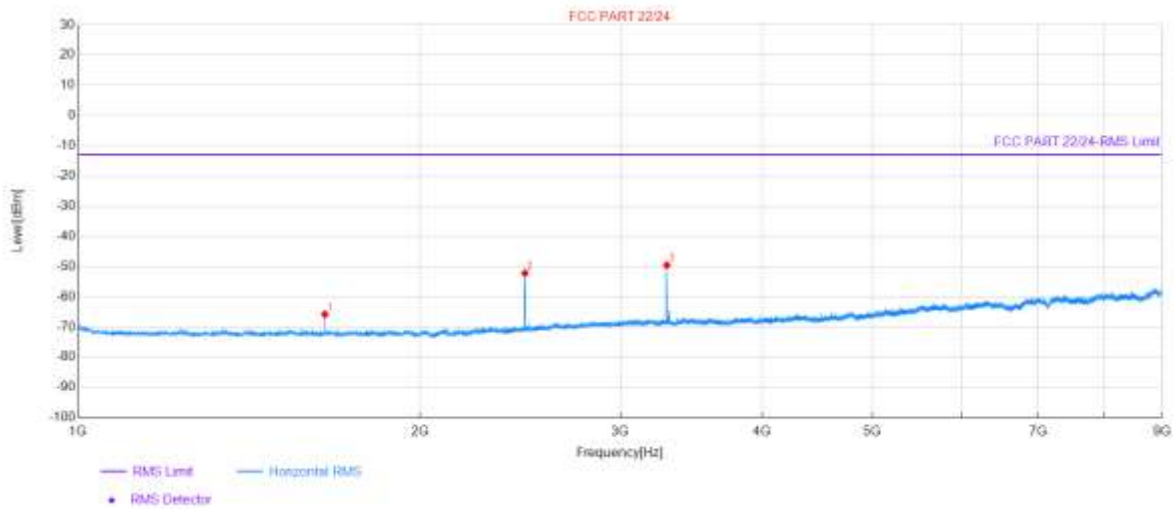
Test Graph



Above 1GHz

Project Information			
Mode:	LTE	Band:	Band 5
Bandwidth:	10MHz	SN:	BFW6PTGTH6
Channel:	Low	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

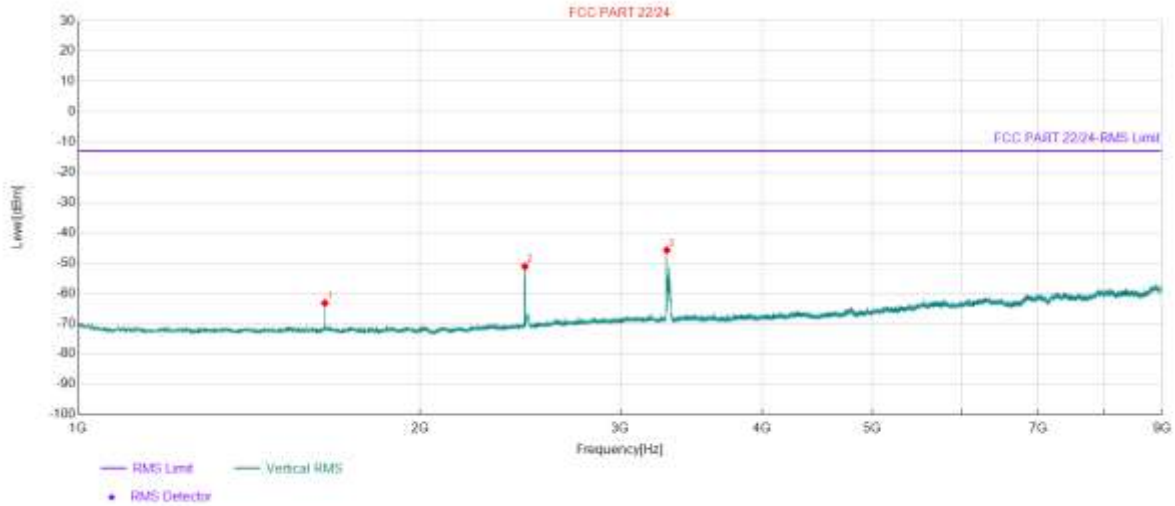
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	1649.2	48.31	-114.08	-65.77	-13.00	52.77	121	114	RMS	Horizontal	PASS
2	2474	59.08	-111.25	-52.17	-13.00	39.17	150	307	RMS	Horizontal	PASS
3	3298.4	58.66	-108.18	-49.52	-13.00	36.52	185	262	RMS	Horizontal	PASS

Project Information			
Mode:	LTE	Band:	Band 5
Bandwidth:	10MHz	SN:	BFW6PTGTH6
Channel:	Low	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

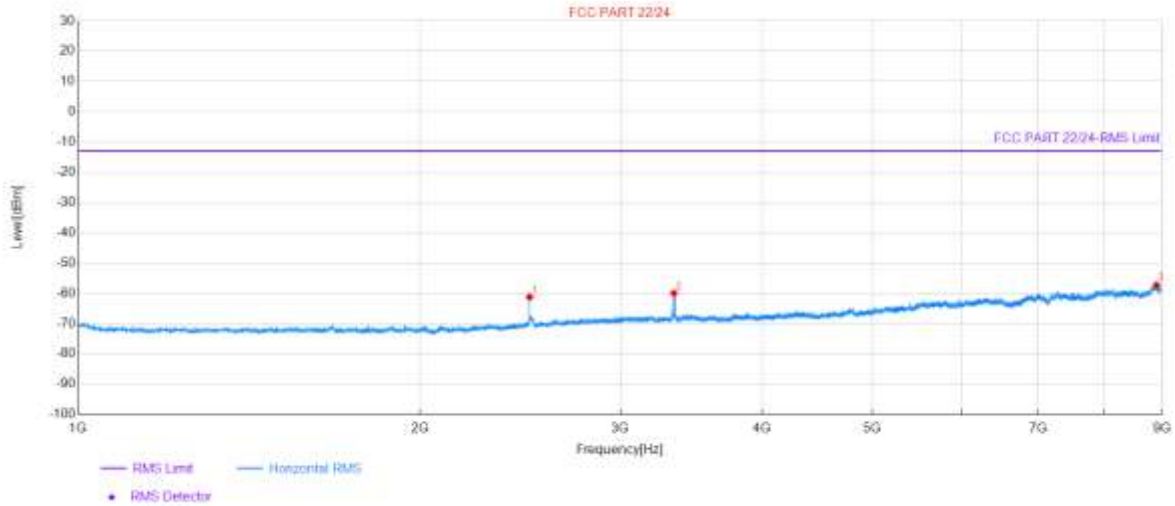
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	1649.2	50.88	-114.08	-63.20	-13.00	50.20	178	106	RMS	Vertical	PASS
2	2473.6	60.14	-111.25	-51.11	-13.00	38.11	110	94	RMS	Vertical	PASS
3	3298.4	62.47	-108.18	-45.71	-13.00	32.71	125	150	RMS	Vertical	PASS

Project Information			
Mode:	LTE	Band:	Band 5
Bandwidth:	10MHz	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

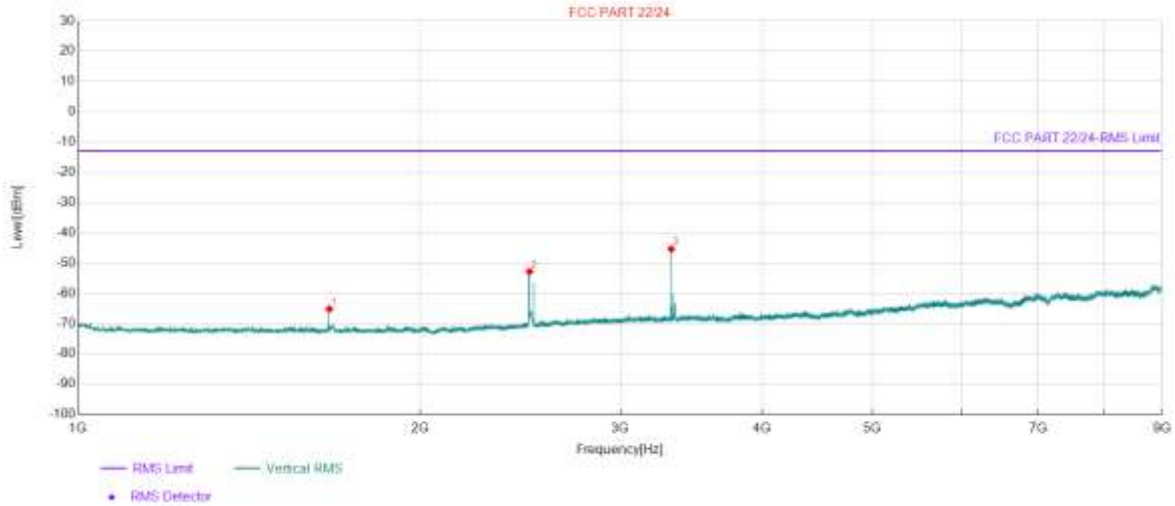
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	2497.6	50.17	-111.39	-61.22	-13.00	48.22	154	0	RMS	Horizontal	PASS
2	3346	48.41	-108.36	-59.95	-13.00	46.95	189	265	RMS	Horizontal	PASS
3	8900.4	35.93	-93.18	-57.25	-13.00	44.25	/	/	RMS	Horizontal	PASS

Project Information			
Mode:	LTE	Band:	Band 5
Bandwidth:	10MHz	SN:	BFW6PTGTH6
Channel:	Mid	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

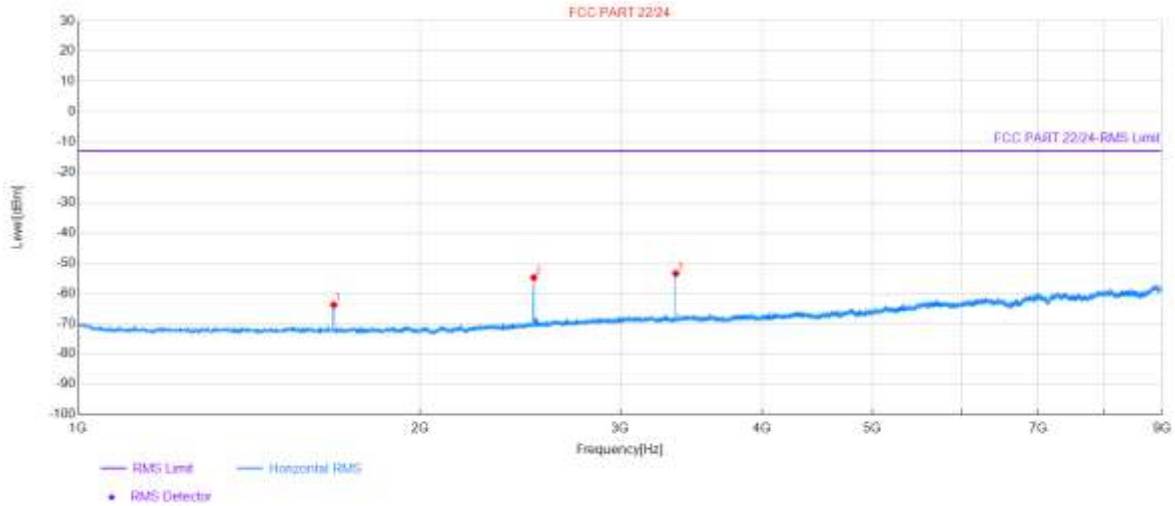
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	1664	48.95	-114.12	-65.17	-13.00	52.17	151	360	RMS	Vertical	PASS
2	2496.4	58.58	-111.37	-52.79	-13.00	39.79	128	156	RMS	Vertical	PASS
3	3328.4	62.95	-108.29	-45.34	-13.00	32.34	164	266	RMS	Vertical	PASS

Project Information			
Mode:	LTE	Band:	Band 5
Bandwidth:	10MHz	SN:	BFW6PTGTH6
Channel:	Hight	Engineer:	欧树炎
Test Standard: FCC PART 22/24			

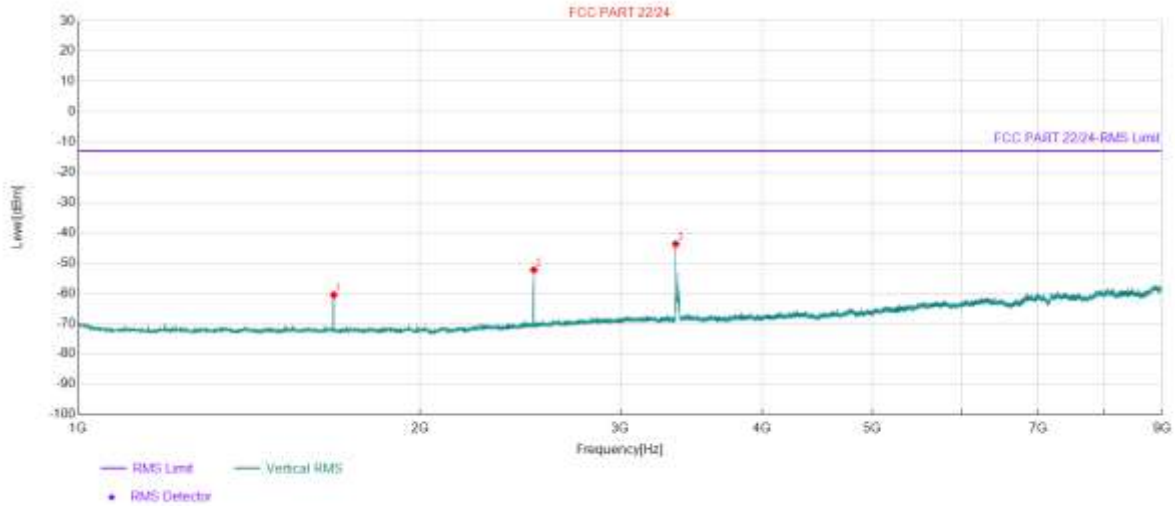
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	1679.2	50.37	-114.16	-63.79	-13.00	50.79	179	102	RMS	Horizontal	PASS
2	2518.8	56.54	-111.32	-54.78	-13.00	41.78	152	134	RMS	Horizontal	PASS
3	3358.4	54.82	-108.24	-53.42	-13.00	40.42	178	32	RMS	Horizontal	PASS

Project Information			
Mode:	LTE	Band:	Band 5
Bandwidth:	10MHz	SN:	BFW6PTGTH6
Channel:	Hight	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	1679.2	53.68	-114.16	-60.48	-13.00	47.48	156	27	RMS	Vertical	PASS
2	2518.8	59.08	-111.32	-52.24	-13.00	39.24	147	360	RMS	Vertical	PASS
3	3358.4	64.53	-108.24	-43.71	-13.00	30.71	173	298	RMS	Vertical	PASS