

Effective (Isotropic) Radiated Power Output Data

Test Result

LTE Band 4				Conducted Power(dBm)			EIRP(dBm)			Limit	Verdict
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Channel 19957	Channel 20175	Channel 20393		
1.4MHz	QPSK	1	0	19.96	19.95	19.89	19.24	19.23	19.17	30.00	PASS
		1	2	19.97	19.93	19.92	19.25	19.21	19.20	30.00	PASS
		1	5	19.98	19.94	19.93	19.26	19.22	19.21	30.00	PASS
		3	0	19.91	19.89	19.93	19.19	19.17	19.21	30.00	PASS
		3	2	19.87	19.96	19.94	19.15	19.24	19.22	30.00	PASS
		3	3	19.95	19.94	19.93	19.23	19.22	19.21	30.00	PASS
		6	0	19.98	19.99	19.94	19.26	19.27	19.22	30.00	PASS
	16QAM	1	0	19.96	19.97	19.90	19.24	19.25	19.18	30.00	PASS
		1	2	19.95	19.91	19.95	19.23	19.19	19.23	30.00	PASS
		1	5	19.86	19.95	19.99	19.14	19.23	19.27	30.00	PASS
		3	0	19.99	19.91	19.93	19.27	19.19	19.21	30.00	PASS
		3	2	19.95	19.89	19.96	19.23	19.17	19.24	30.00	PASS
		3	3	19.90	19.97	19.95	19.18	19.25	19.23	30.00	PASS
		6	0	19.86	19.93	19.80	19.14	19.21	19.08	30.00	PASS
	64QAM	1	0	19.84	19.85	19.81	19.12	19.13	19.09	30.00	PASS
		1	2	19.75	19.88	19.97	19.03	19.16	19.25	30.00	PASS
		1	5	19.87	19.76	19.93	19.15	19.04	19.21	30.00	PASS
		3	0	19.43	19.61	19.68	18.71	18.89	18.96	30.00	PASS
		3	2	19.49	19.51	19.57	18.77	18.79	18.85	30.00	PASS
		3	3	19.66	19.47	19.55	18.94	18.75	18.83	30.00	PASS
		6	0	19.44	19.57	19.42	18.72	18.85	18.70	30.00	PASS
	256QAM	1	0	19.08	19.11	19.04	18.36	18.39	18.32	30.00	PASS
		1	2	19.05	19.19	19.12	18.33	18.47	18.4	30.00	PASS
		1	5	19.18	19.16	19.08	18.46	18.44	18.36	30.00	PASS
		3	0	19.03	19.03	19.05	18.31	18.31	18.33	30.00	PASS
		3	2	19.02	19.04	19.01	18.3	18.32	18.29	30.00	PASS
		3	3	19.02	19.06	19.03	18.3	18.34	18.31	30.00	PASS
		6	0	19.08	19.07	19.05	18.36	18.35	18.33	30.00	PASS
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Channel 19965	Channel 20175	Channel 20385	Limit	Verdict
3MHz	QPSK	1	0	19.98	19.93	19.92	19.26	19.21	19.20	30.00	PASS
		1	7	19.93	19.87	19.96	19.21	19.15	19.24	30.00	PASS
		1	14	19.95	19.96	19.98	19.23	19.24	19.26	30.00	PASS
		8	0	19.91	19.82	19.79	19.19	19.10	19.07	30.00	PASS
		8	4	19.90	19.99	19.88	19.18	19.27	19.16	30.00	PASS
		8	7	19.89	19.96	19.89	19.17	19.24	19.17	30.00	PASS

		15	0	19.89	19.95	19.97	19.17	19.23	19.25	30.00	PASS
	16QAM	1	0	19.96	19.94	19.91	19.24	19.22	19.19	30.00	PASS
		1	7	19.91	19.99	19.96	19.19	19.27	19.24	30.00	PASS
		1	14	19.86	19.85	19.91	19.14	19.13	19.19	30.00	PASS
		8	0	19.91	19.85	19.97	19.19	19.13	19.25	30.00	PASS
		8	4	19.88	19.91	19.85	19.16	19.19	19.13	30.00	PASS
		8	7	19.96	19.99	19.99	19.24	19.27	19.27	30.00	PASS
		15	0	19.93	19.89	19.88	19.21	19.17	19.16	30.00	PASS
	64QAM	1	0	19.89	19.76	19.71	19.17	19.04	18.99	30.00	PASS
		1	7	19.89	19.74	19.90	19.17	19.02	19.18	30.00	PASS
		1	14	19.74	19.89	19.84	19.02	19.17	19.12	30.00	PASS
		8	0	19.42	19.43	19.68	18.70	18.71	18.96	30.00	PASS
		8	4	19.56	19.52	19.51	18.84	18.80	18.79	30.00	PASS
		8	7	19.49	19.50	19.54	18.77	18.78	18.82	30.00	PASS
		15	0	19.64	19.44	19.49	18.92	18.72	18.77	30.00	PASS
	256QAM	1	0	19.07	19.11	18.98	18.35	18.39	18.26	30.00	PASS
		1	7	19.10	19.12	19.16	18.38	18.4	18.44	30.00	PASS
		1	14	19.21	19.25	19.12	18.49	18.53	18.4	30.00	PASS
		8	0	18.99	19.00	19.07	18.27	18.28	18.35	30.00	PASS
		8	4	19.14	19.11	18.94	18.42	18.39	18.22	30.00	PASS
		8	7	19.01	19.08	19.02	18.29	18.36	18.3	30.00	PASS
		15	0	19.03	19.15	19.13	18.31	18.43	18.41	30.00	PASS
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Channel 19975	Channel 20175	Channel 20375	Limit	Verdict
5MHz	QPSK	1	0	19.95	19.93	19.93	19.23	19.21	19.21	30.00	PASS
		1	13	19.98	19.94	19.95	19.26	19.22	19.23	30.00	PASS
		1	24	19.94	19.92	19.94	19.22	19.20	19.22	30.00	PASS
		12	0	19.96	19.86	19.85	19.24	19.14	19.13	30.00	PASS
		12	6	19.95	19.96	19.92	19.23	19.24	19.20	30.00	PASS
		12	13	19.94	19.85	19.89	19.22	19.13	19.17	30.00	PASS
		25	0	19.93	19.98	19.96	19.21	19.26	19.24	30.00	PASS
	16QAM	1	0	19.93	19.90	19.91	19.21	19.18	19.19	30.00	PASS
		1	13	19.97	19.91	19.88	19.25	19.19	19.16	30.00	PASS
		1	24	19.92	19.93	19.94	19.20	19.21	19.22	30.00	PASS
		12	0	19.94	19.87	19.88	19.22	19.15	19.16	30.00	PASS
		12	6	19.99	19.93	19.93	19.27	19.21	19.21	30.00	PASS
		12	13	19.85	19.94	19.95	19.13	19.22	19.23	30.00	PASS
		25	0	19.84	19.92	19.90	19.12	19.20	19.18	30.00	PASS
	64QAM	1	0	19.93	19.84	19.70	19.21	19.12	18.98	30.00	PASS
		1	13	19.76	19.88	19.85	19.04	19.16	19.13	30.00	PASS
		1	24	19.78	19.85	19.86	19.06	19.13	19.14	30.00	PASS
		12	0	19.54	19.50	19.59	18.82	18.78	18.87	30.00	PASS
		12	6	19.55	19.49	19.56	18.83	18.77	18.84	30.00	PASS
		12	13	19.56	19.47	19.57	18.84	18.75	18.85	30.00	PASS
		25	0	19.61	19.48	19.51	18.89	18.76	18.79	30.00	PASS

	256QAM	1	0	19.10	19.14	19.00	18.38	18.42	18.28	30.00	PASS
		1	13	19.13	19.08	19.07	18.41	18.36	18.35	30.00	PASS
		1	24	19.22	19.24	19.18	18.5	18.52	18.46	30.00	PASS
		12	0	18.93	19.06	18.93	18.21	18.34	18.21	30.00	PASS
		12	6	19.07	19.10	19.00	18.35	18.38	18.28	30.00	PASS
		12	13	18.95	19.09	18.91	18.23	18.37	18.19	30.00	PASS
		25	0	19.11	19.06	19.12	18.39	18.34	18.4	30.00	PASS
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Channel 20000	Channel 20175	Channel 20350	Limit	Verdict
10MHz	QPSK	1	0	19.88	19.88	19.96	19.16	19.16	19.24	30.00	PASS
		1	25	19.90	19.99	19.90	19.18	19.27	19.18	30.00	PASS
		1	49	19.96	19.95	19.94	19.24	19.23	19.22	30.00	PASS
		25	0	19.92	19.88	19.82	19.20	19.16	19.10	30.00	PASS
		25	13	19.96	19.94	19.91	19.24	19.22	19.19	30.00	PASS
		25	25	19.99	19.93	19.84	19.27	19.21	19.12	30.00	PASS
		50	0	19.89	19.95	19.94	19.17	19.23	19.22	30.00	PASS
	16QAM	1	0	19.92	19.98	19.97	19.20	19.26	19.25	30.00	PASS
		1	25	19.96	19.87	19.96	19.24	19.15	19.24	30.00	PASS
		1	49	19.96	19.98	19.95	19.24	19.26	19.23	30.00	PASS
		25	0	19.91	19.89	19.94	19.19	19.17	19.22	30.00	PASS
		25	13	19.96	19.91	19.93	19.24	19.19	19.21	30.00	PASS
		25	25	19.98	19.88	19.90	19.26	19.16	19.18	30.00	PASS
		50	0	19.96	19.85	19.79	19.24	19.13	19.07	30.00	PASS
	64QAM	1	0	19.95	19.73	19.79	19.23	19.01	19.07	30.00	PASS
		1	25	19.82	19.89	19.97	19.10	19.17	19.25	30.00	PASS
		1	49	19.84	19.82	19.84	19.12	19.10	19.12	30.00	PASS
		25	0	19.51	19.47	19.66	18.79	18.75	18.94	30.00	PASS
		25	13	19.66	19.57	19.51	18.94	18.85	18.79	30.00	PASS
		25	25	19.56	19.44	19.53	18.84	18.72	18.81	30.00	PASS
		50	0	19.54	19.50	19.52	18.82	18.78	18.80	30.00	PASS
	256QAM	1	0	19.05	19.06	19.08	18.33	18.34	18.36	30.00	PASS
		1	25	19.03	19.11	19.15	18.31	18.39	18.43	30.00	PASS
		1	49	19.16	19.21	19.19	18.44	18.49	18.47	30.00	PASS
		25	0	18.89	18.99	19.04	18.17	18.27	18.32	30.00	PASS
		25	13	19.01	19.16	18.96	18.29	18.44	18.24	30.00	PASS
		25	25	18.95	19.06	18.92	18.23	18.34	18.2	30.00	PASS
		50	0	19.07	19.08	19.16	18.35	18.36	18.44	30.00	PASS
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Channel 20025	Channel 20175	Channel 20325	Limit	Verdict
15MHz	QPSK	1	0	19.92	19.97	19.97	19.20	19.25	19.25	30.00	PASS
		1	38	19.96	19.95	19.96	19.24	19.23	19.24	30.00	PASS
		1	74	19.95	19.92	19.96	19.23	19.20	19.24	30.00	PASS
		36	0	19.91	19.83	19.82	19.19	19.11	19.10	30.00	PASS
		36	18	19.89	19.88	19.91	19.17	19.16	19.19	30.00	PASS
		36	39	19.86	19.97	19.87	19.14	19.25	19.15	30.00	PASS

		75	0	19.85	19.91	19.94	19.13	19.19	19.22	30.00	PASS
	16QAM	1	0	19.89	19.93	19.97	19.17	19.21	19.25	30.00	PASS
		1	38	19.92	19.92	19.94	19.20	19.20	19.22	30.00	PASS
		1	74	19.97	19.88	19.90	19.25	19.16	19.18	30.00	PASS
		36	0	19.91	19.86	19.95	19.19	19.14	19.23	30.00	PASS
		36	18	19.91	19.90	19.96	19.19	19.18	19.24	30.00	PASS
		36	39	19.88	19.94	19.98	19.16	19.22	19.26	30.00	PASS
		75	0	19.87	19.86	19.95	19.15	19.14	19.23	30.00	PASS
	64QAM	1	0	19.80	19.68	19.74	19.08	18.96	19.02	30.00	PASS
		1	38	19.91	19.78	19.90	19.19	19.06	19.18	30.00	PASS
		1	74	19.87	19.84	19.78	19.15	19.12	19.06	30.00	PASS
		36	0	19.44	19.54	19.65	18.72	18.82	18.93	30.00	PASS
		36	18	19.61	19.57	19.57	18.89	18.85	18.85	30.00	PASS
		36	39	19.63	19.56	19.45	18.91	18.84	18.73	30.00	PASS
		75	0	19.57	19.51	19.53	18.85	18.79	18.81	30.00	PASS
	256QAM	1	0	19.00	19.17	19.07	18.28	18.45	18.35	30.00	PASS
		1	38	19.14	19.10	19.08	18.42	18.38	18.36	30.00	PASS
		1	74	19.14	19.21	19.14	18.42	18.49	18.42	30.00	PASS
		36	0	18.90	18.99	18.99	18.18	18.27	18.27	30.00	PASS
		36	18	19.02	19.06	18.94	18.3	18.34	18.22	30.00	PASS
		36	39	18.96	18.98	19.02	18.24	18.26	18.3	30.00	PASS
		75	0	19.01	19.09	19.13	18.29	18.37	18.41	30.00	PASS
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Channel 20050	Channel 20175	Channel 20300	Limit	Verdict
20MHz	QPSK	1	0	19.93	19.96	19.97	19.21	19.24	19.25	30.00	PASS
		1	50	19.95	20.01	20.00	19.23	19.29	19.28	30.00	PASS
		1	99	19.97	19.99	19.97	19.25	19.27	19.25	30.00	PASS
		50	0	19.93	19.91	19.89	19.21	19.19	19.17	30.00	PASS
		50	25	19.96	19.97	19.95	19.24	19.25	19.23	30.00	PASS
		50	50	19.95	19.94	19.94	19.23	19.22	19.22	30.00	PASS
		100	0	19.93	19.96	19.96	19.21	19.24	19.24	30.00	PASS
	16QAM	1	0	19.99	19.98	20.00	19.27	19.26	19.28	30.00	PASS
		1	50	19.99	19.97	19.98	19.27	19.25	19.26	30.00	PASS
		1	99	19.96	19.93	19.93	19.24	19.21	19.21	30.00	PASS
		50	0	19.91	19.94	19.95	19.19	19.22	19.23	30.00	PASS
		50	25	20.01	19.95	19.96	19.29	19.23	19.24	30.00	PASS
		50	50	19.94	19.92	19.99	19.22	19.20	19.27	30.00	PASS
		100	0	19.89	19.85	19.89	19.17	19.13	19.17	30.00	PASS
	64QAM	1	0	19.88	19.78	19.80	19.16	19.06	19.08	30.00	PASS
		1	50	19.83	19.79	19.87	19.11	19.07	19.15	30.00	PASS
		1	99	19.82	19.82	19.86	19.10	19.10	19.14	30.00	PASS
		50	0	19.47	19.52	19.58	18.75	18.80	18.86	30.00	PASS
		50	25	19.59	19.51	19.50	18.87	18.79	18.78	30.00	PASS
		50	50	19.57	19.50	19.47	18.85	18.78	18.75	30.00	PASS
		100	0	19.54	19.47	19.46	18.82	18.75	18.74	30.00	PASS

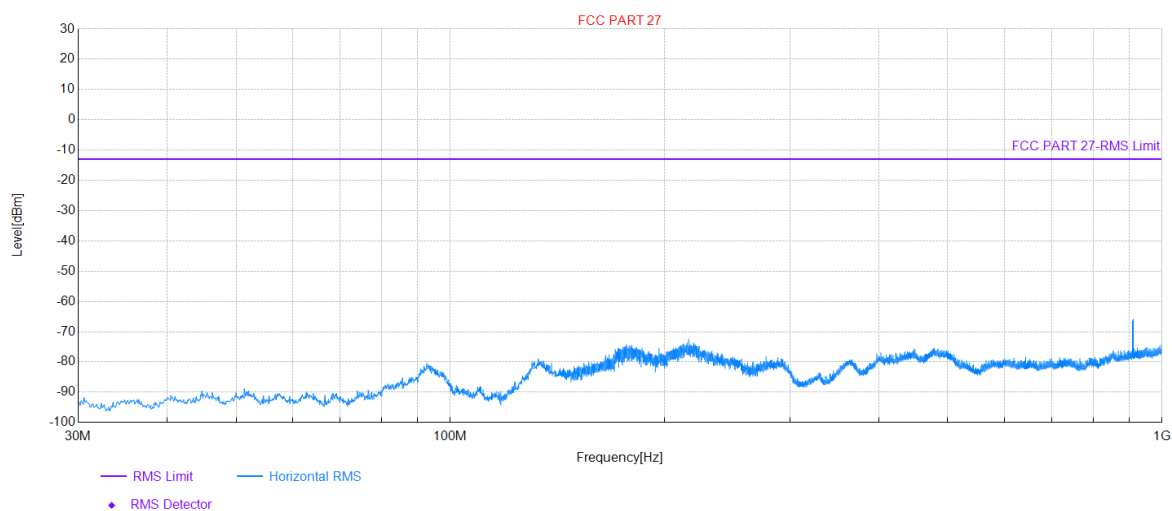
	256QAM	1	0	19.10	19.11	19.08	18.38	18.39	18.36	30.00	PASS
		1	50	19.13	19.18	19.15	18.41	18.46	18.43	30.00	PASS
		1	99	19.20	19.21	19.16	18.48	18.49	18.44	30.00	PASS
		50	0	18.97	19.06	19.01	18.25	18.34	18.29	30.00	PASS
		50	25	19.11	19.14	19.03	18.39	18.42	18.31	30.00	PASS
		50	50	19.03	19.08	19.00	18.31	18.36	18.28	30.00	PASS
		100	0	19.08	19.11	19.10	18.36	18.39	18.38	30.00	PASS

Field Strength of Spurious Radiation

Below 1GHz

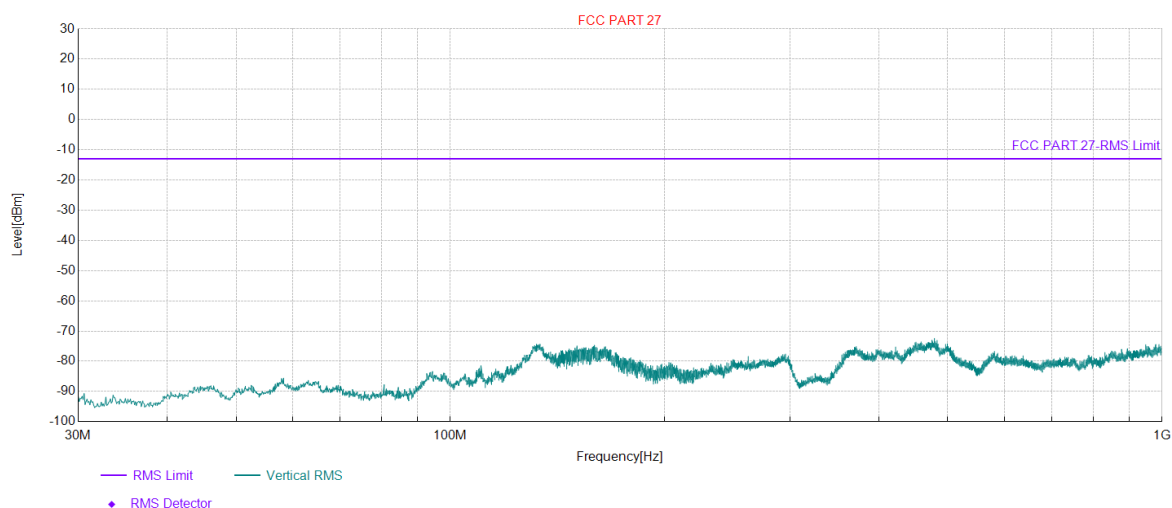
Project Information			
Mode:	LTE	Band:	Band 4
Bandwidth:	20M	Channel:	Mid
IMEI:	862513050026243	Engineer:	欧树炎
Remark:	X		
Test Standard: FCC PART 27			

Test Graph



Project Information			
Mode:	LTE	Band:	Band 4
Bandwidth:	20M	Channel:	Mid
IMEI:	862513050026243	Engineer:	欧树炎
Remark:	X		
Test Standard: FCC PART 27			

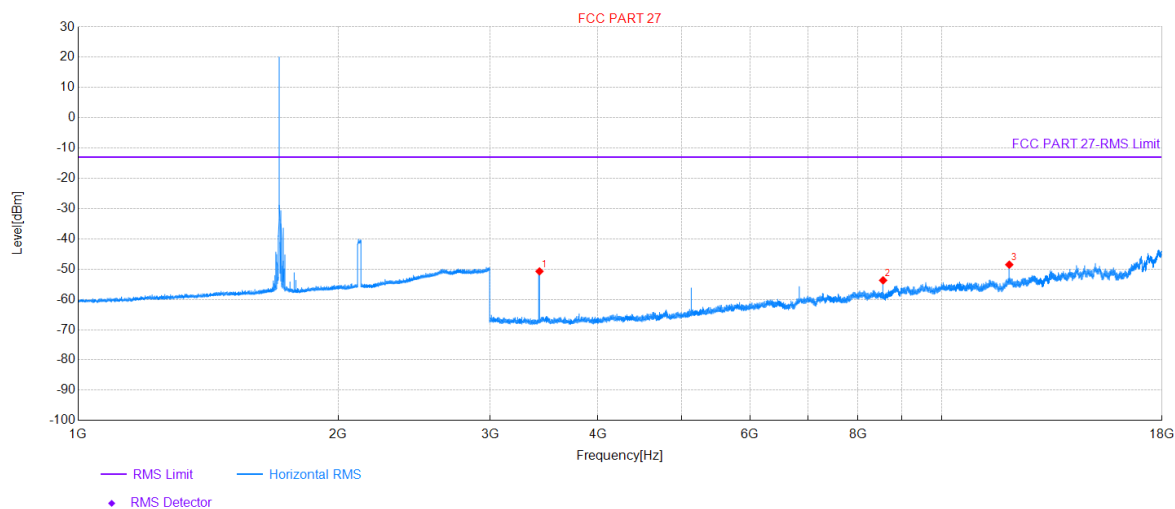
Test Graph



Above 1GHz

Project Information			
Mode:	LTE	Band:	B4
Bandwidth:	20M	Channel:	Low
IMEI:	862513050026243	Engineer:	欧树炎
Remark:	X		
Test Standard: FCC PART 27			

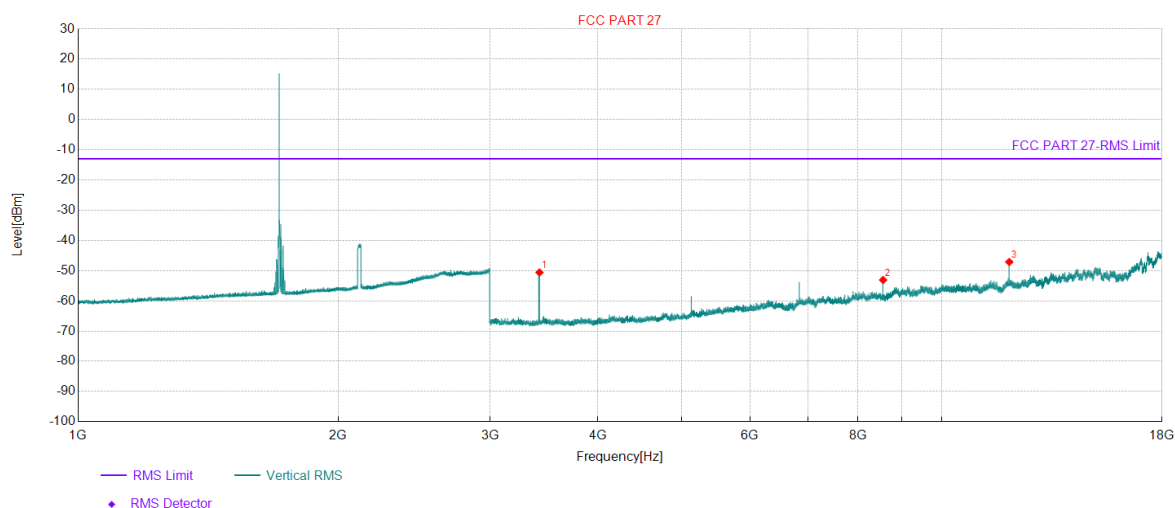
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	3422	56.81	-107.53	-50.72	-13.00	37.72	213	307	RMS	Horizontal	PASS
2	8555.5	40.84	-94.54	-53.70	-13.00	40.70	225	270	RMS	Horizontal	PASS
3	11977.5	41.30	-89.81	-48.51	-13.00	35.51	104	137	RMS	Horizontal	PASS

Project Information			
Mode:	LTE	Band:	B4
Bandwidth:	20M	Channel:	Low
IMEI:	862513050026243	Engineer:	欧树炎
Remark:	X		
Test Standard: FCC PART 27			

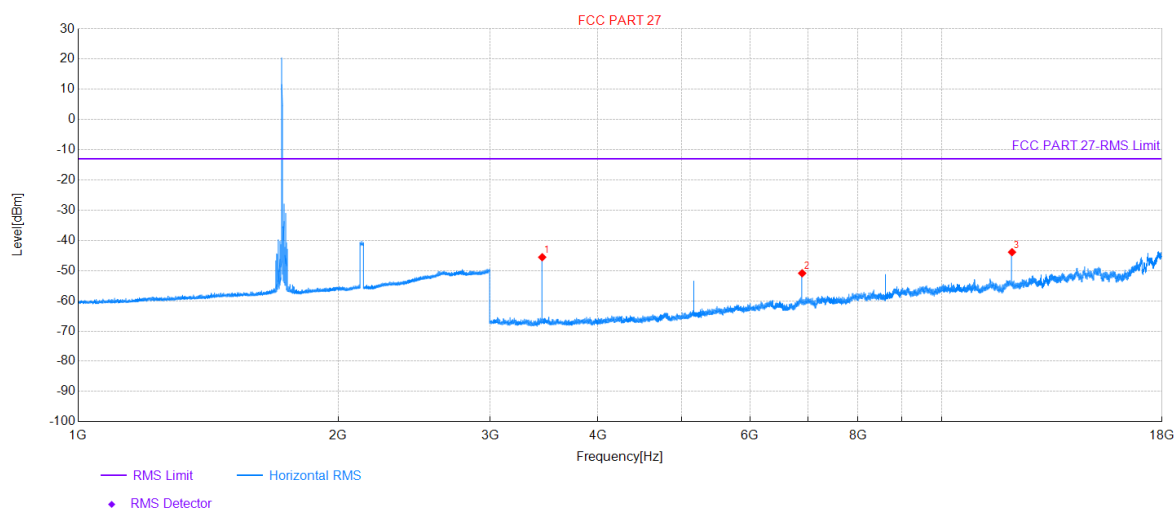
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	3422	56.93	-107.53	-50.60	-13.00	37.60	145	292	RMS	Vertical	PASS
2	8555.5	41.44	-94.54	-53.10	-13.00	40.10	186	277	RMS	Vertical	PASS
3	11977.5	42.67	-89.81	-47.14	-13.00	34.14	219	198	RMS	Vertical	PASS

Project Information			
Mode:	LTE	Band:	B4
Bandwidth:	20M	Channel:	Mid
IMEI:	862513050026243	Engineer:	欧树炎
Remark:	X		
Test Standard: FCC PART 27			

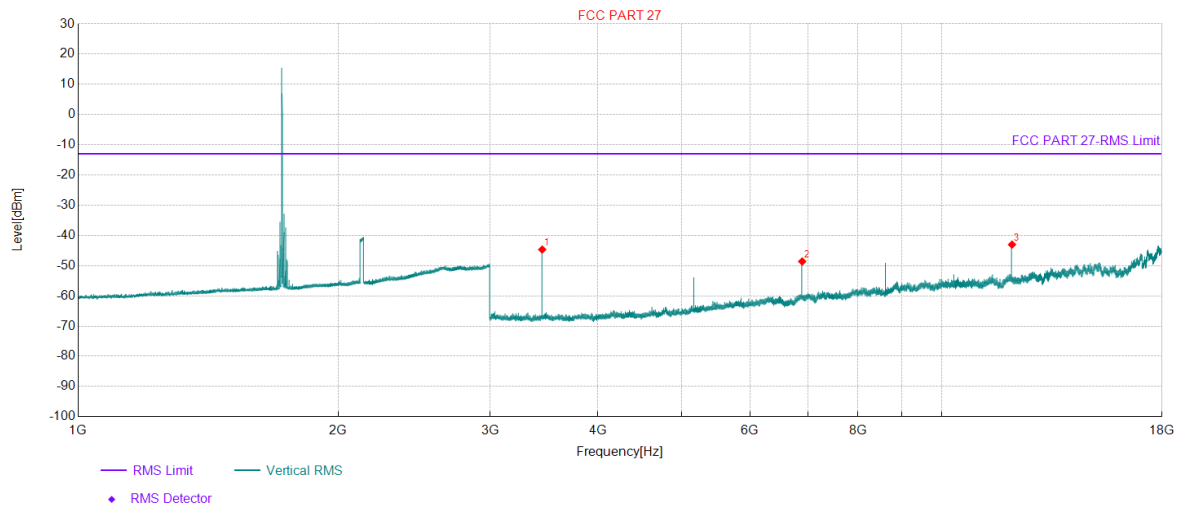
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	3447	61.74	-107.30	-45.56	-13.00	32.56	154	306	RMS	Horizontal	PASS
2	6894.5	46.54	-97.40	-50.86	-13.00	37.86	286	350	RMS	Horizontal	PASS
3	12065.5	46.33	-90.21	-43.88	-13.00	30.88	190	145	RMS	Horizontal	PASS

Project Information			
Mode:	LTE	Band:	B4
Bandwidth:	20M	Channel:	Mid
IMEI:	862513050026243	Engineer:	欧树炎
Remark:	X		
Test Standard: FCC PART 27			

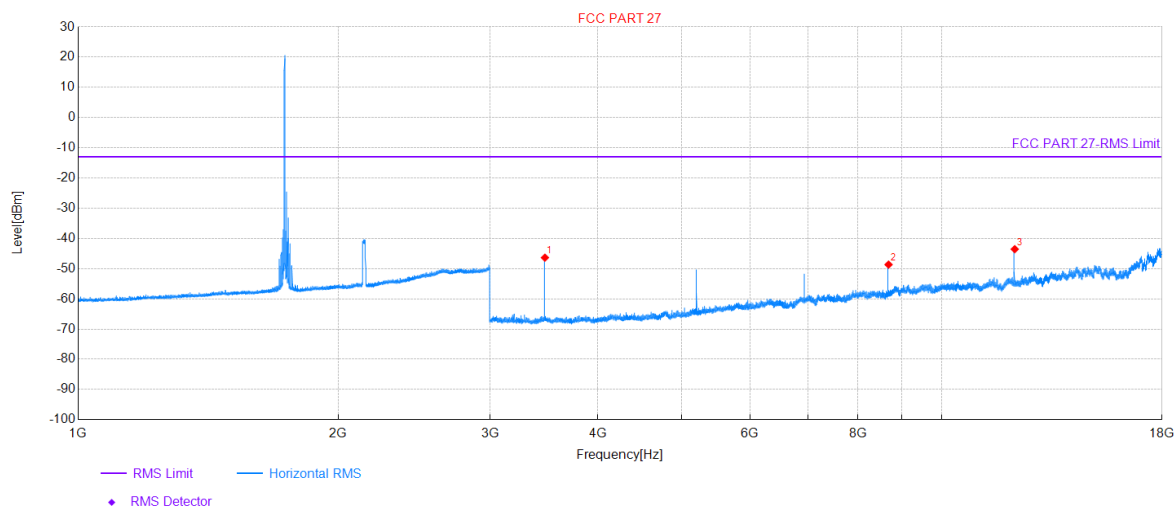
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	3447	62.63	-107.30	-44.67	-13.00	31.67	193	292	RMS	Vertical	PASS
2	6894.5	48.79	-97.40	-48.61	-13.00	35.61	257	44	RMS	Vertical	PASS
3	12065	47.18	-90.21	-43.03	-13.00	30.03	168	218	RMS	Vertical	PASS

Project Information			
Mode:	LTE	Band:	B4
Bandwidth:	20M	Channel:	High
IMEI:	862513050026243	Engineer:	欧树炎
Remark:	X		
Test Standard: FCC PART 27			

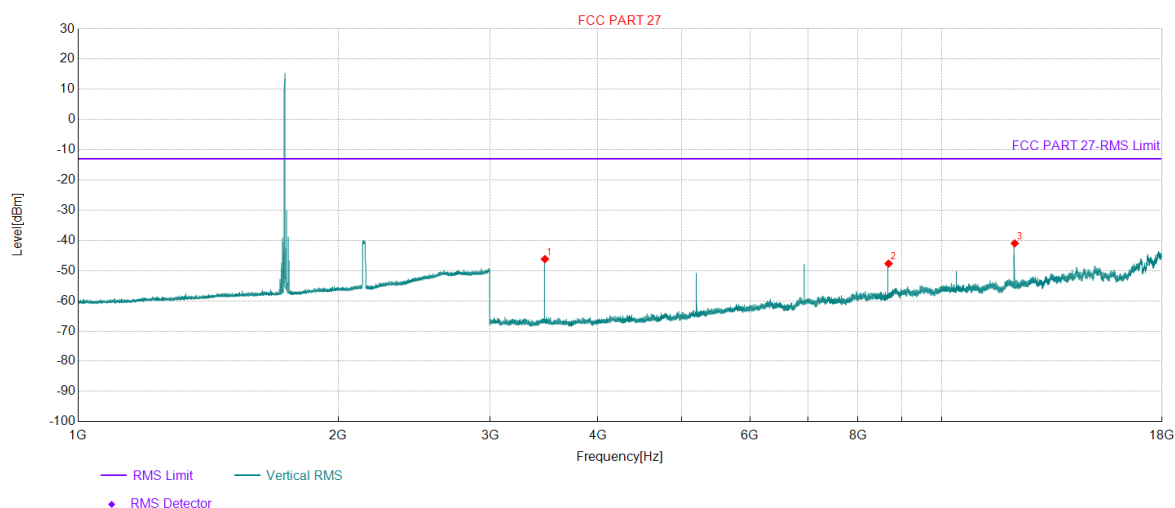
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBuV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Trace	Polarity	Verdict
1	3472	60.79	-107.15	-46.36	-13.00	33.36	195	309	RMS	Horizontal	PASS
2	8680.5	45.51	-94.18	-48.67	-13.00	35.67	249	235	RMS	Horizontal	PASS
3	12152.5	47.36	-90.91	-43.55	-13.00	30.55	176	148	RMS	Horizontal	PASS

Project Information			
Mode:	LTE	Band:	B4
Bandwidth:	20M	Channel:	High
IMEI:	862513050026243	Engineer:	欧树炎
Remark:	X		
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	3472	60.97	-107.15	-46.18	-13.00	33.18	117	323	RMS	Vertical	PASS
2	8680.5	46.51	-94.18	-47.67	-13.00	34.67	264	309	RMS	Vertical	PASS
3	12152.5	49.94	-90.91	-40.97	-13.00	27.97	220	215	RMS	Vertical	PASS