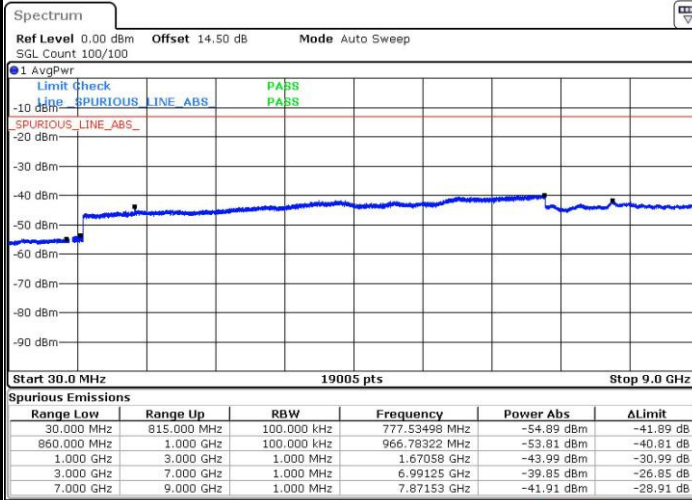




LTE Band 5 / 3MHz

Middle Channel / QPSK



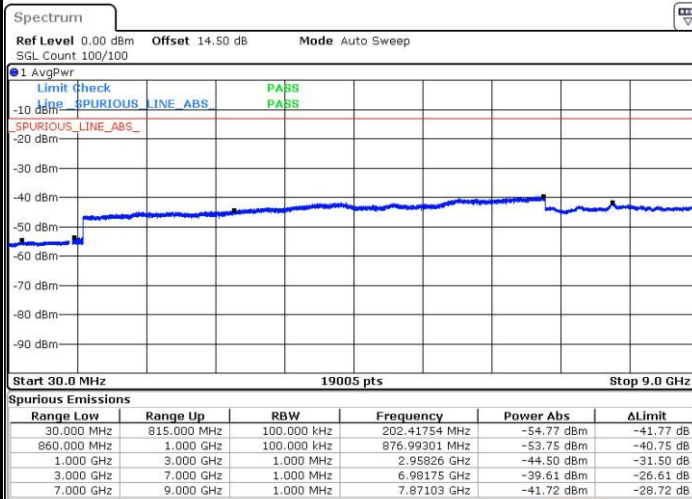
Date: 17.JUL.2016 16:18:07

Middle Channel / 16QAM



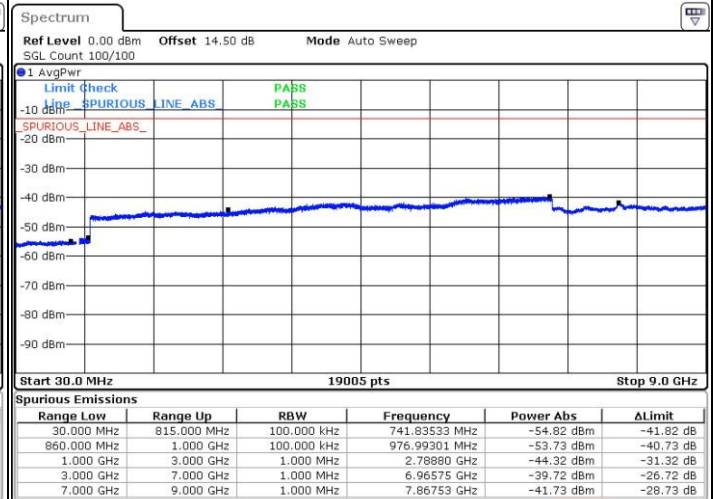
Date: 17.JUL.2016 16:19:00

Highest Channel / QPSK



Date: 17.JUL.2016 16:20:35

Highest Channel / 16QAM

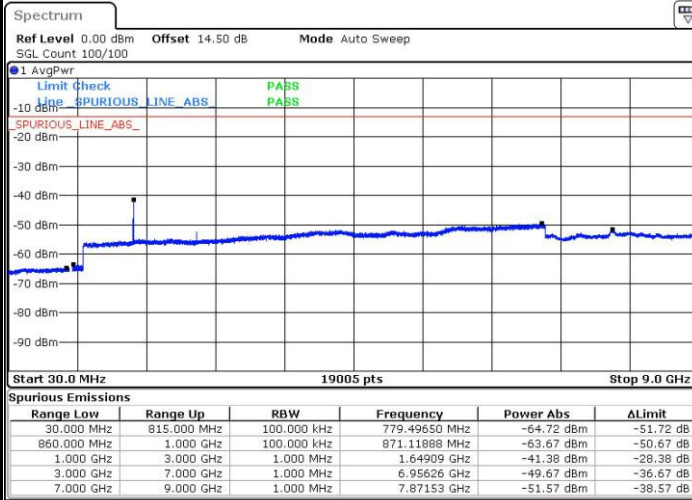


Date: 17.JUL.2016 16:21:28



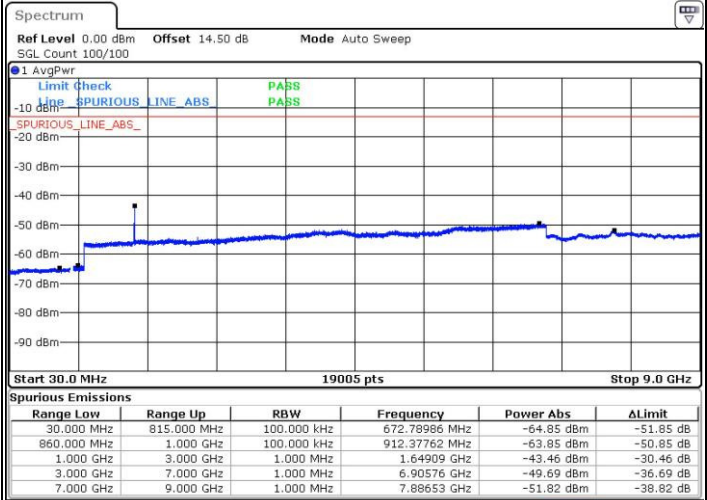
LTE Band 5 / 5MHz

Lowest Channel / QPSK



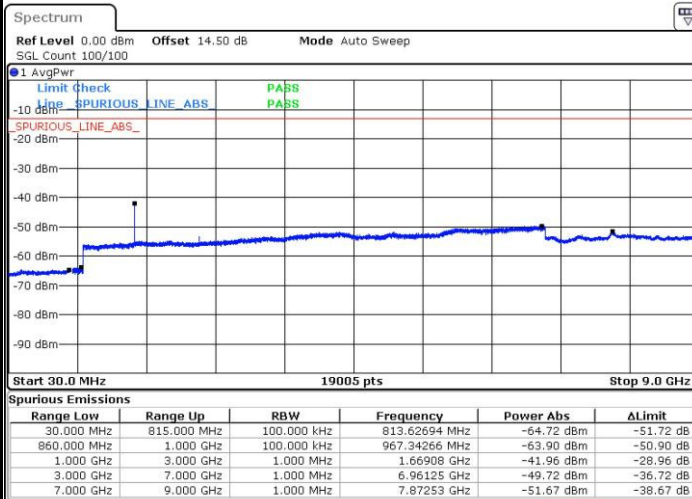
Date: 17 JUL 2016 16:23:03

Lowest Channel / 16QAM



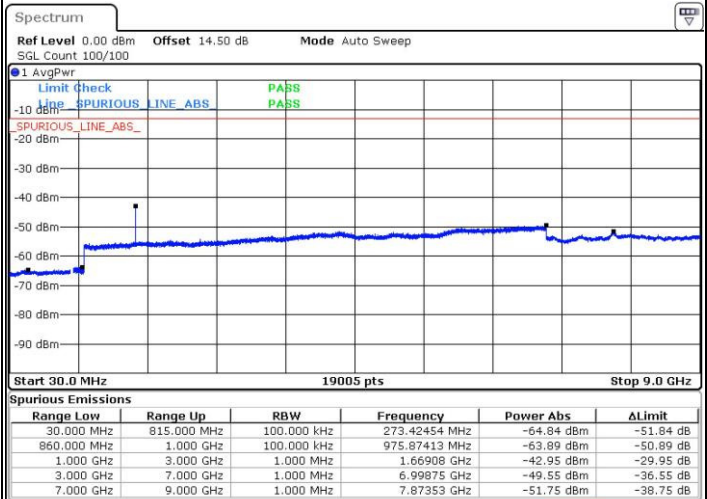
Date: 17 JUL 2016 16:23:56

Middle Channel / QPSK



Date: 17 JUL 2016 16:25:31

Middle Channel / 16QAM

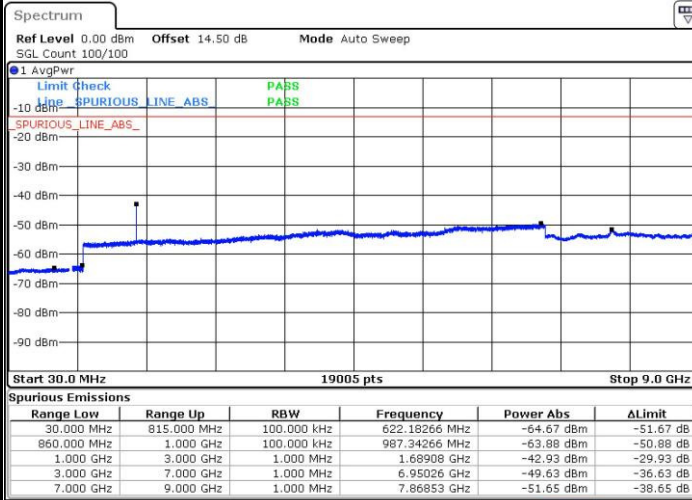


Date: 17 JUL 2016 16:26:25



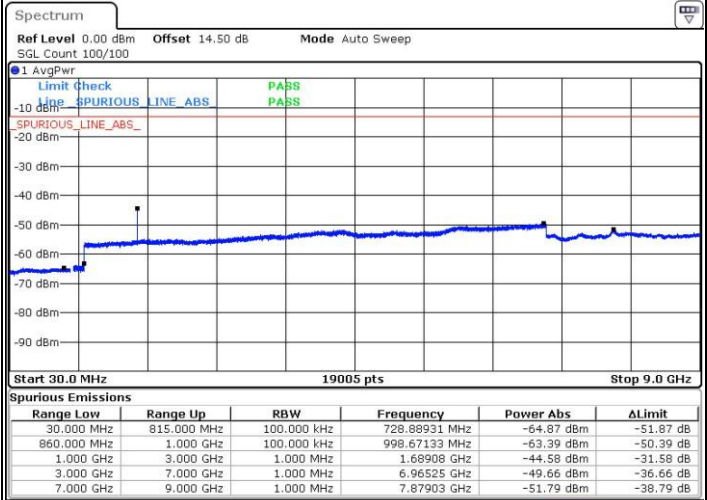
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 17 JUL 2016 16:27:59

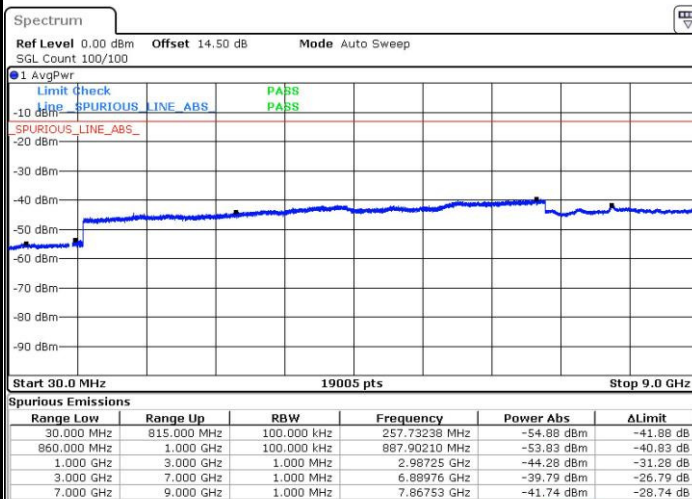
Highest Channel / 16QAM



Date: 17 JUL 2016 16:28:53

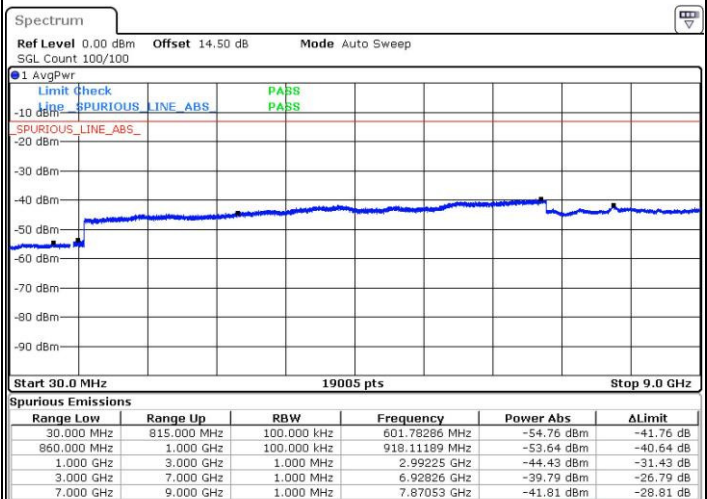
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 17 JUL 2016 16:30:27

Lowest Channel / 16QAM

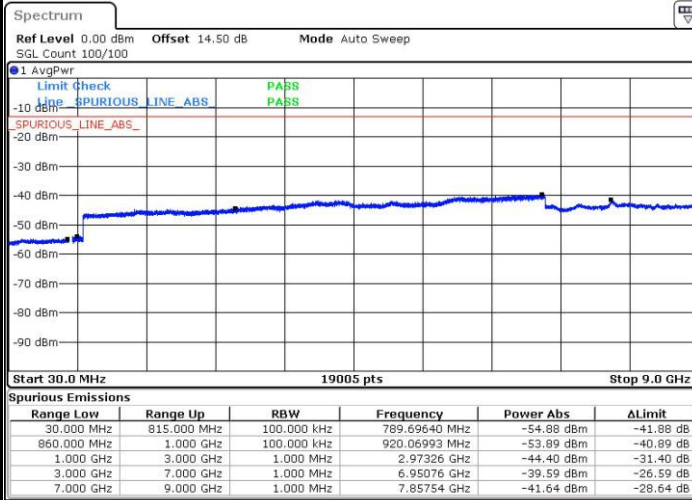


Date: 17 JUL 2016 16:31:21



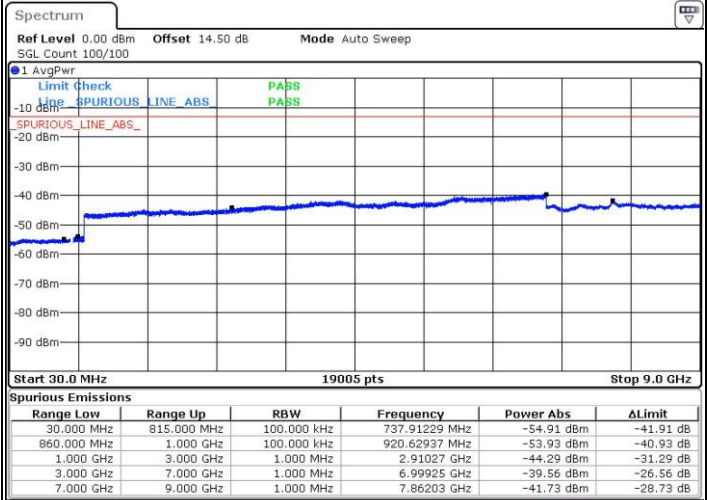
LTE Band 5 / 10MHz

Middle Channel / QPSK



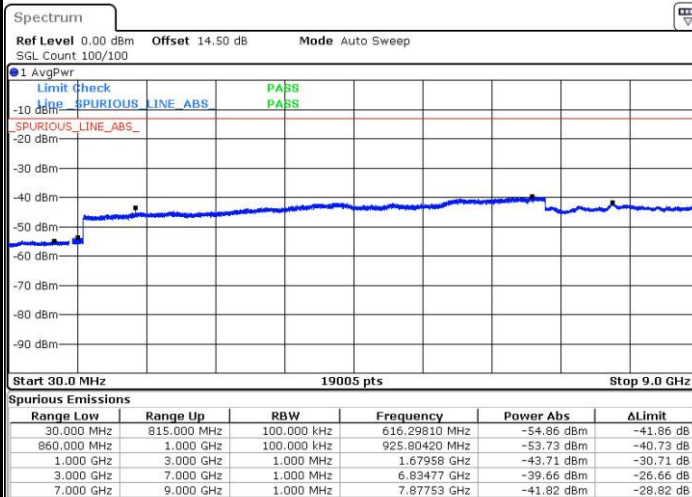
Date: 17 JUL 2016 16:32:55

Middle Channel / 16QAM



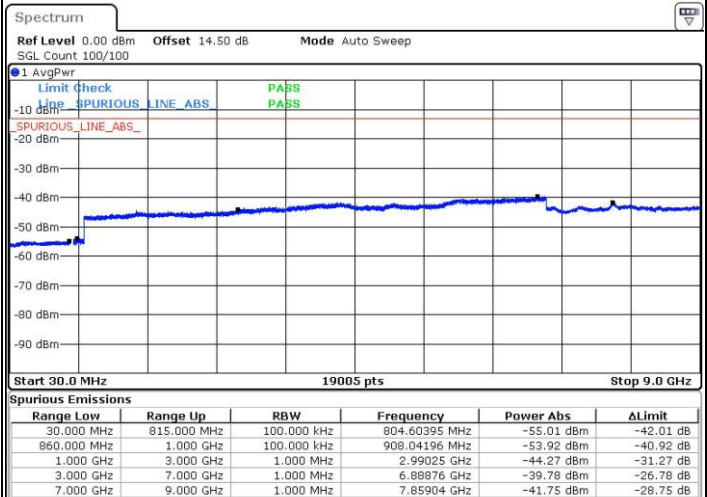
Date: 17 JUL 2016 16:33:49

Highest Channel / QPSK



Date: 17 JUL 2016 16:35:23

Highest Channel / 16QAM

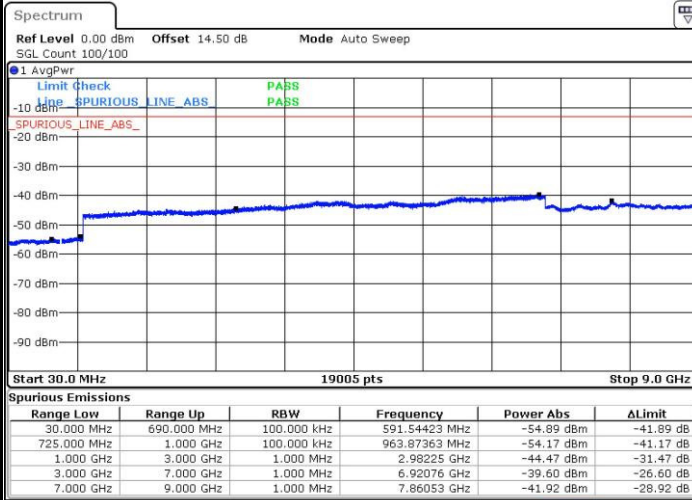


Date: 17 JUL 2016 16:36:17



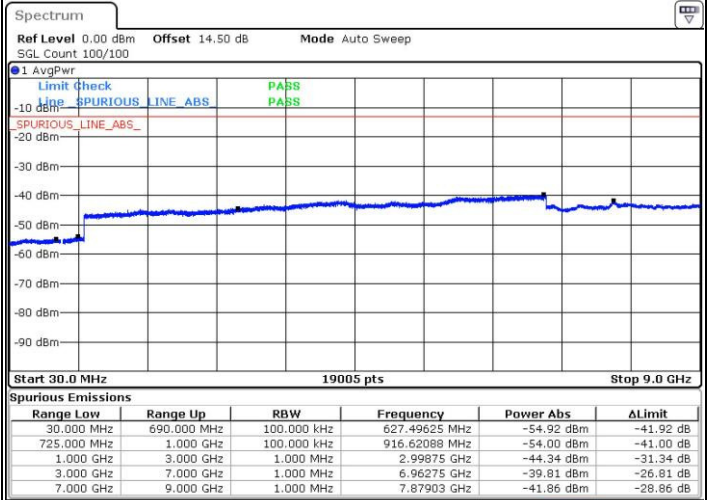
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



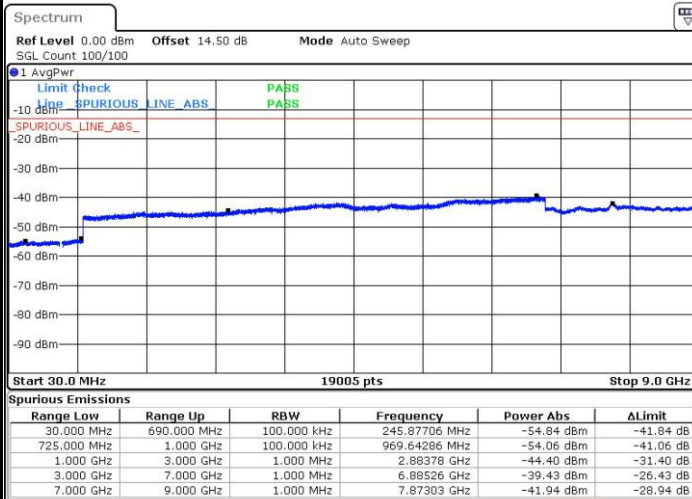
Date: 17.JUL.2016 18:34:14

Lowest Channel / 16QAM



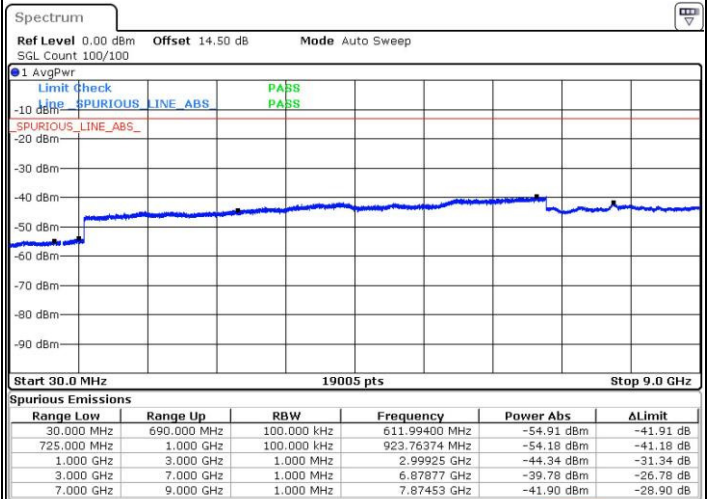
Date: 17.JUL.2016 18:35:08

Middle Channel / QPSK



Date: 17.JUL.2016 18:36:42

Middle Channel / 16QAM

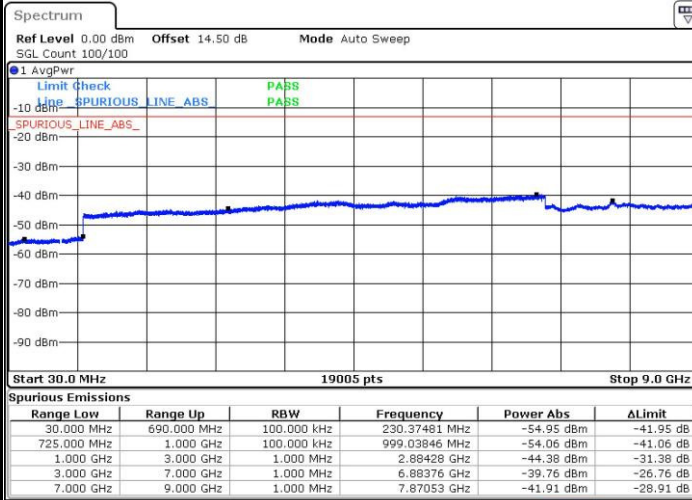


Date: 17.JUL.2016 18:37:36



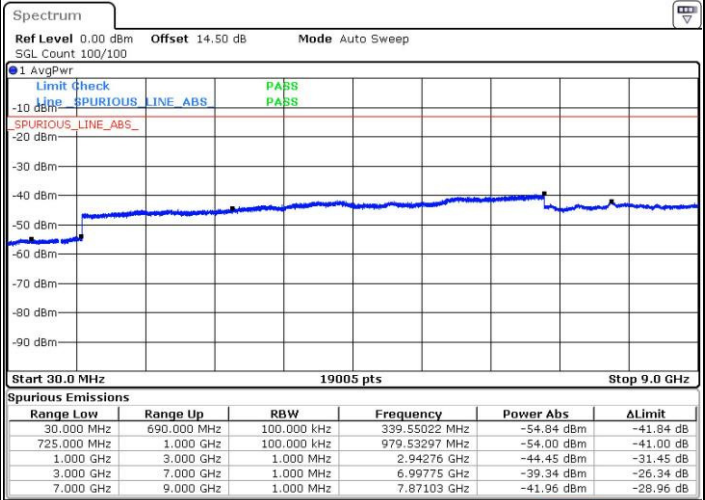
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 17 JUL 2016 18:39:10

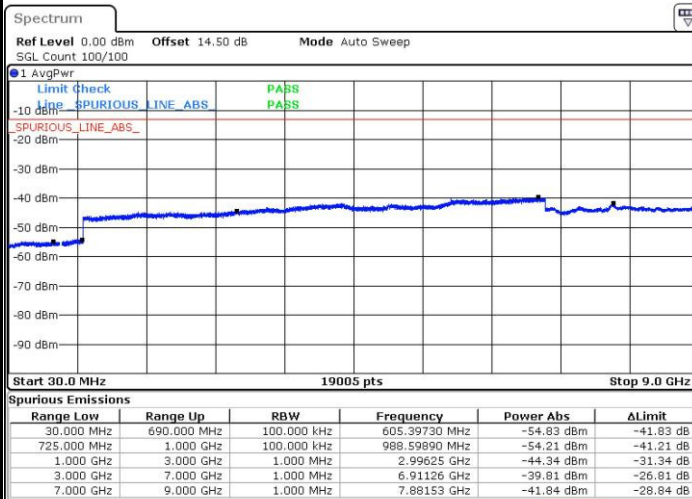
Highest Channel / 16QAM



Date: 17 JUL 2016 18:40:04

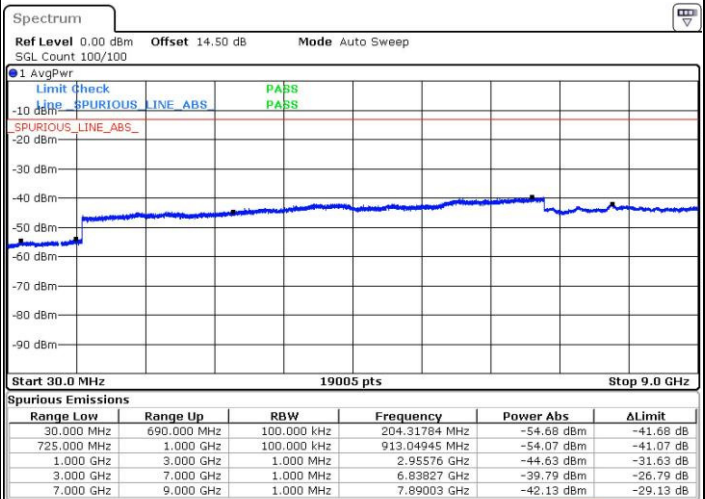
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 17 JUL 2016 18:41:39

Lowest Channel / 16QAM

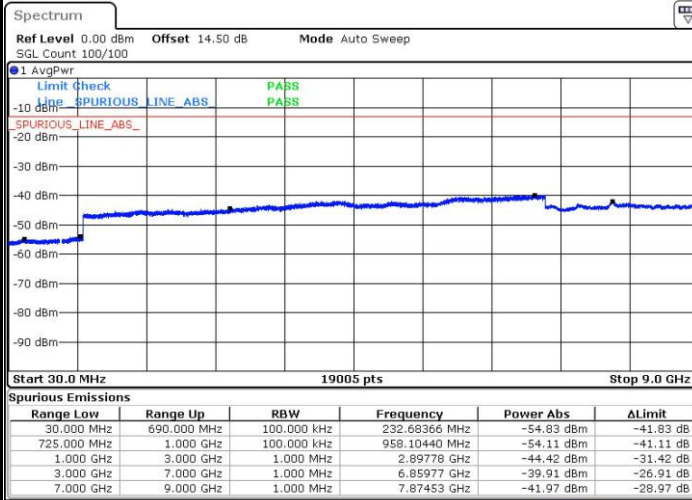


Date: 17 JUL 2016 18:42:32



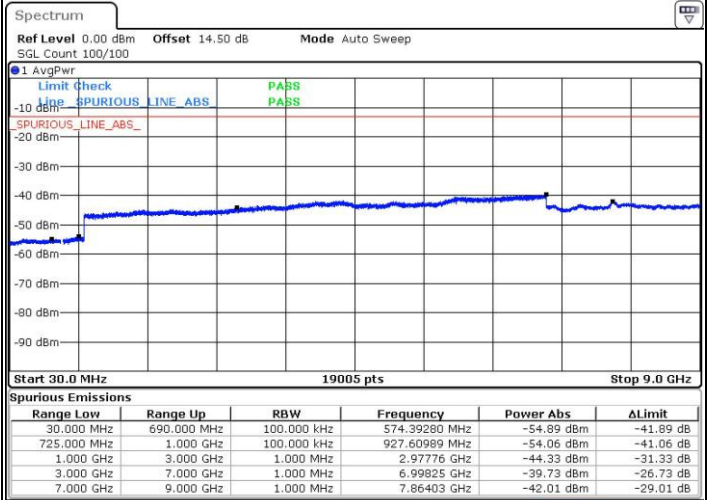
LTE Band 12 / 3MHz

Middle Channel / QPSK



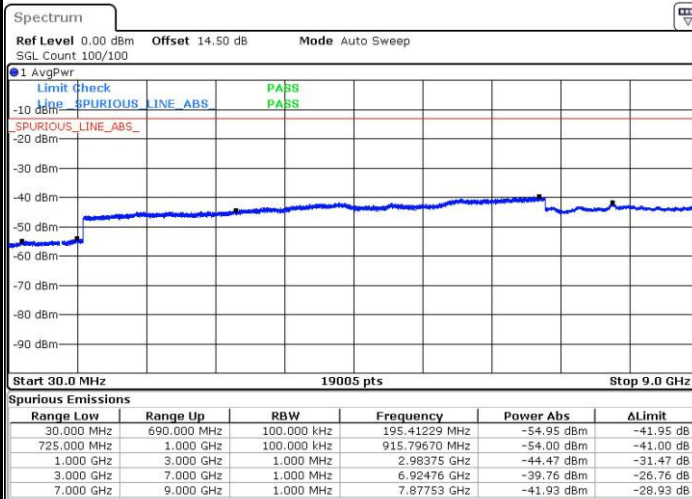
Date: 17.JUL.2016 18:44:07

Middle Channel / 16QAM



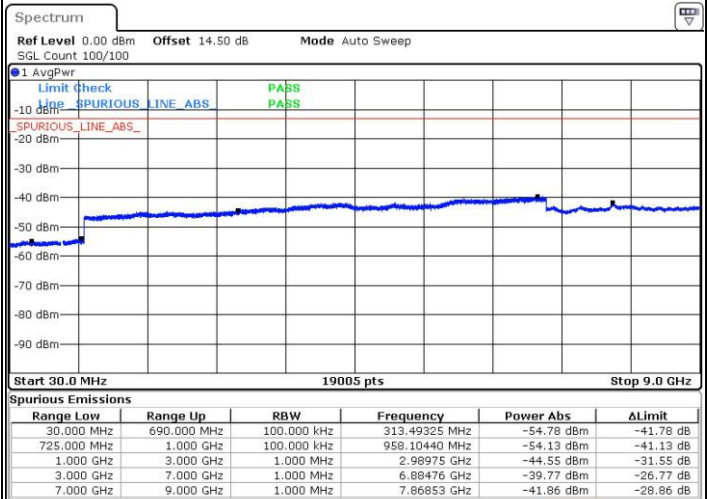
Date: 17.JUL.2016 18:45:02

Highest Channel / QPSK



Date: 17.JUL.2016 18:46:37

Highest Channel / 16QAM

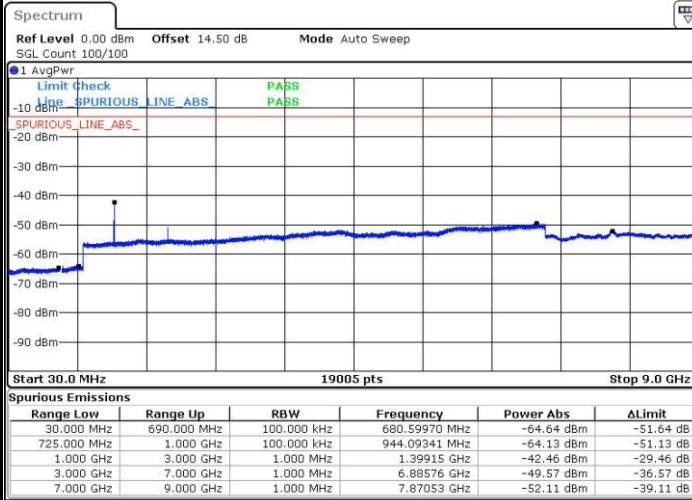


Date: 17.JUL.2016 18:47:30



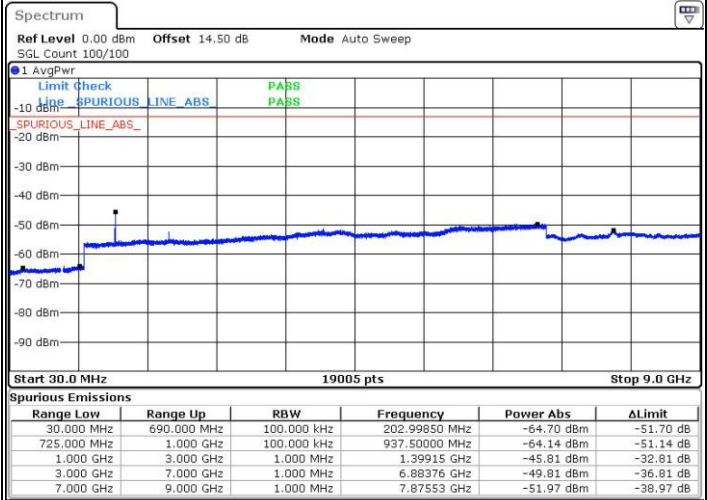
LTE Band 12 / 5MHz

Lowest Channel / QPSK



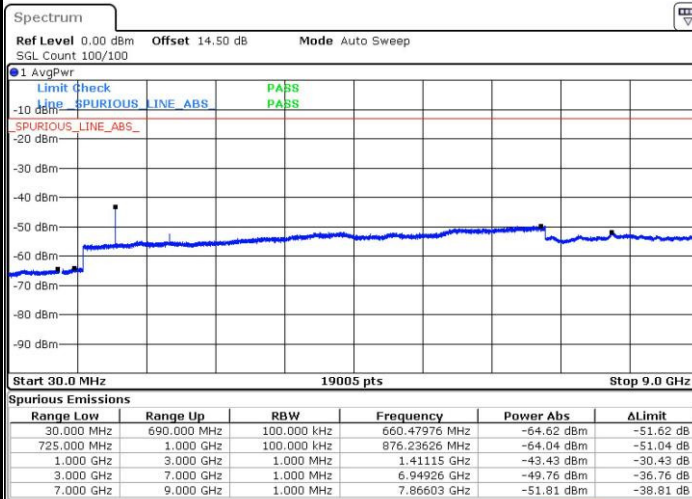
Date: 17.JUL.2016 18:49:05

Lowest Channel / 16QAM



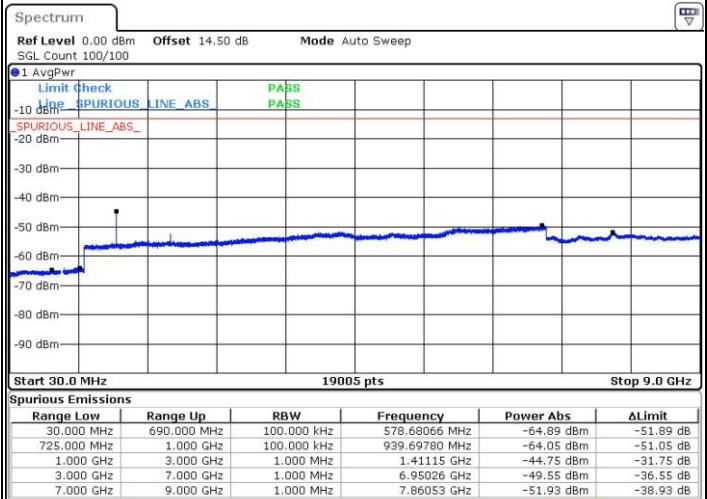
Date: 17.JUL.2016 18:49:58

Middle Channel / QPSK



Date: 17.JUL.2016 18:51:33

Middle Channel / 16QAM

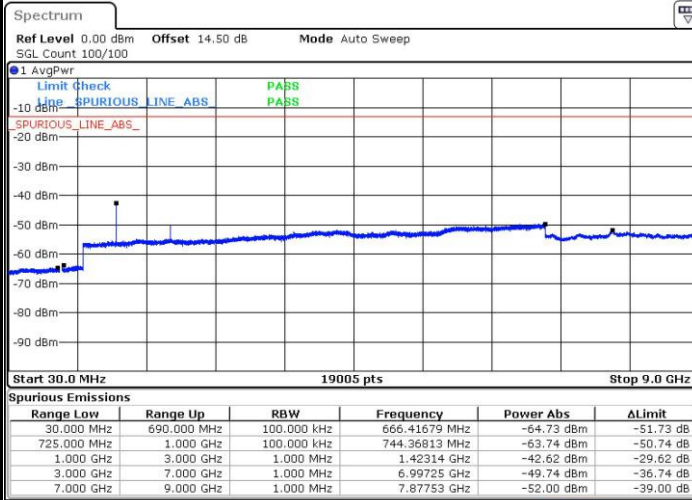


Date: 17.JUL.2016 18:52:26



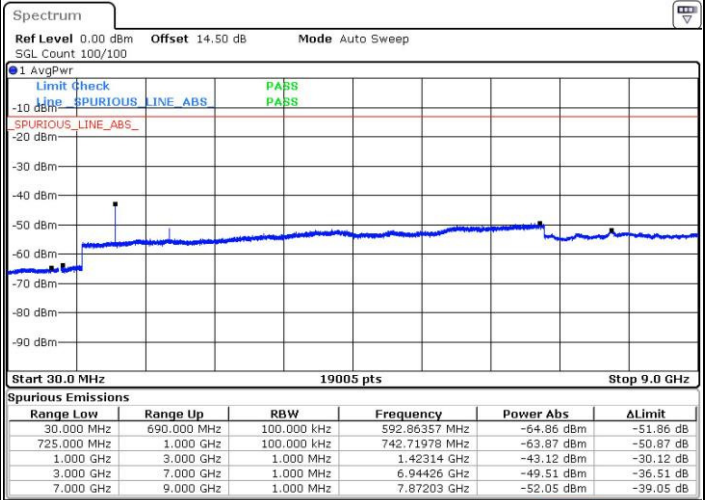
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 17 JUL 2016 18:54:01

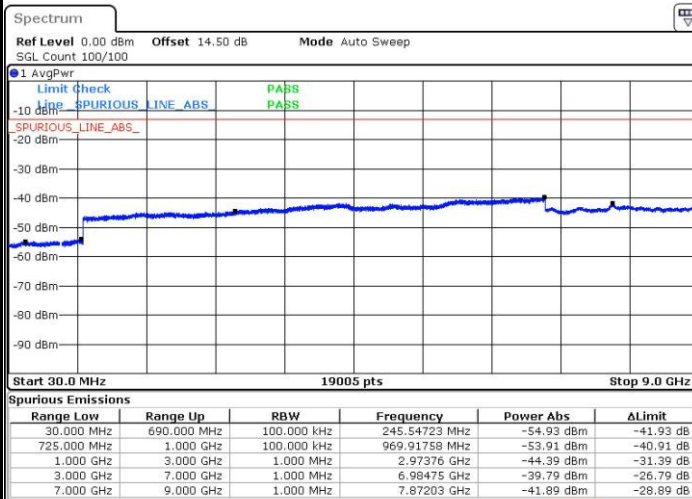
Highest Channel / 16QAM



Date: 17 JUL 2016 18:54:55

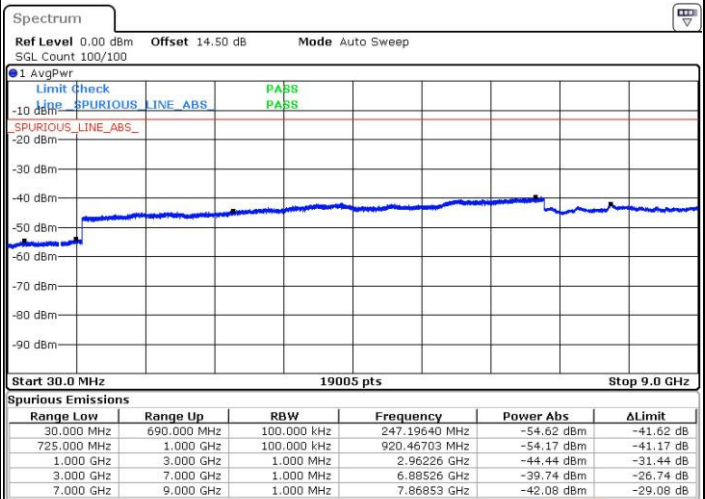
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 17 JUL 2016 18:56:29

Lowest Channel / 16QAM

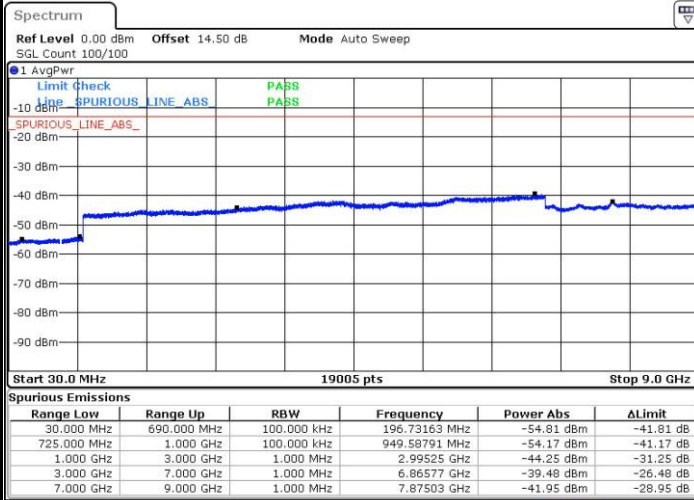


Date: 17 JUL 2016 18:57:23



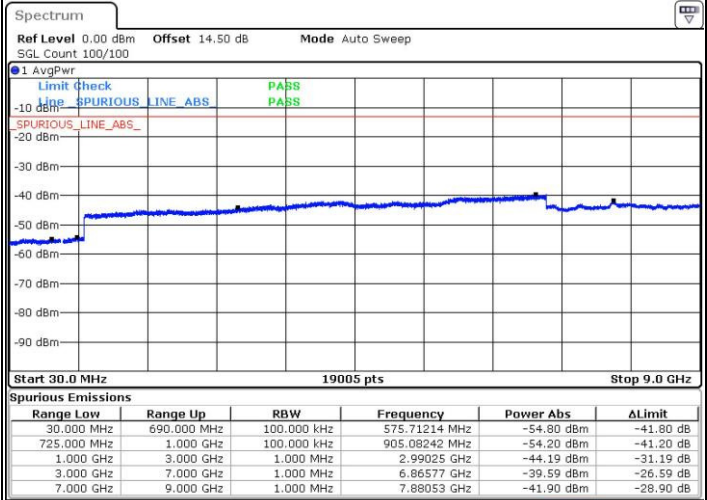
LTE Band 12 / 10MHz

Middle Channel / QPSK



Date: 17.JUL.2016 18:58:57

Middle Channel / 16QAM



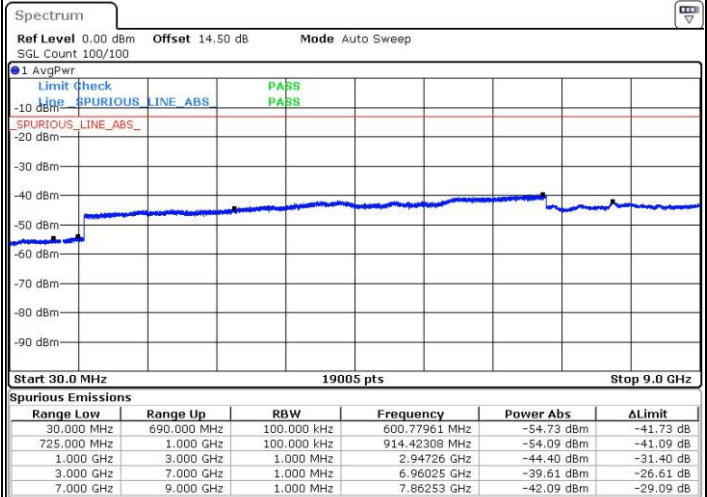
Date: 17.JUL.2016 18:59:51

Highest Channel / QPSK



Date: 17.JUL.2016 19:01:25

Highest Channel / 16QAM



Date: 17.JUL.2016 19:02:19

**Frequency Stability**

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0037	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0000	PASS
40	Normal Voltage	0.0046	
30	Normal Voltage	0.0052	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0046	

Note:

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0096	PASS
40	Normal Voltage	0.0120	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0096	
-10	Normal Voltage	0.0108	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0084	
20	Maximum Voltage	0.0036	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0084	

Note:

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0000	PASS
40	Normal Voltage	0.0085	
30	Normal Voltage	0.0071	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0085	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0085	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0071	
20	Maximum Voltage	0.0071	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0071	

Note:

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	23.89	0.2450	24.81	0.3024
Middle		3	1	24.12	0.2585	24.68	0.2941
Highest		3	1	24.46	0.2791	24.55	0.2850
Lowest	16QAM	3	1	22.96	0.1978	23.97	0.2496
Middle		3	3	23.10	0.2043	23.97	0.2494
Highest		1	3	23.41	0.2192	23.52	0.2250
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	23.64	0.2310	24.67	0.2931
Middle		1	8	24.04	0.2536	24.68	0.2938
Highest		1	8	24.42	0.2767	24.57	0.2865
Lowest	16QAM	1	14	22.65	0.1840	23.46	0.2216
Middle		1	8	22.89	0.1944	23.47	0.2224
Highest		1	8	23.62	0.2300	23.87	0.2436
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.87	0.2439	24.77	0.2997
Middle		1	12	24.54	0.2847	24.98	0.3148
Highest		1	0	24.76	0.2992	24.63	0.2905
Lowest	16QAM	1	24	22.67	0.1851	23.57	0.2273
Middle		1	12	23.47	0.2222	23.25	0.2114
Highest		1	24	23.46	0.2217	23.60	0.2289
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	24.32	0.2706	24.76	0.2991
Middle		1	25	24.19	0.2622	24.83	0.3038
Highest		1	25	24.87	0.3070	24.92	0.3106
Lowest	16QAM	1	25	23.08	0.2033	23.76	0.2378
Middle		1	25	23.19	0.2083	23.68	0.2335
Highest		1	25	23.76	0.2379	23.71	0.2350
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	24.57	0.2863	25.18	0.3296
Middle		1	37	24.40	0.2752	25.19	0.3305
Highest		1	37	24.80	0.3019	24.80	0.3022
Lowest	16QAM	1	0	22.50	0.1778	23.55	0.2265
Middle		1	37	23.04	0.2014	23.55	0.2265
Highest		1	37	24.23	0.2647	24.22	0.2644
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	24.49	0.2810	24.69	0.2942
Middle		1	49	24.24	0.2653	24.86	0.3064
Highest		1	49	24.88	0.3074	24.99	0.3154
Lowest	16QAM	1	0	22.61	0.1822	23.56	0.2269
Middle		1	0	23.50	0.2240	23.78	0.2390
Highest		1	49	23.73	0.2361	23.78	0.2385
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	25.37	0.3445	25.76	0.3766
Middle		3	1	25.03	0.3181	25.25	0.3349
Highest		1	3	25.62	0.3651	25.03	0.3186
Lowest	16QAM	3	1	24.44	0.2777	24.90	0.3094
Middle		3	1	23.97	0.2496	24.12	0.2583
Highest		1	3	24.45	0.2785	24.00	0.2514
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	25.14	0.3263	25.39	0.3461
Middle		1	8	25.01	0.3168	25.28	0.3373
Highest		1	8	25.21	0.3319	24.83	0.3038
Lowest	16QAM	1	0	23.87	0.2436	24.21	0.2635
Middle		1	0	23.92	0.2464	24.02	0.2523
Highest		1	14	24.24	0.2657	23.76	0.2374
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	25.50	0.3548	25.72	0.3733
Middle		1	12	25.19	0.3301	25.27	0.3362
Highest		1	12	25.30	0.3386	25.04	0.3192
Lowest	16QAM	1	0	23.91	0.2461	24.24	0.2656
Middle		1	24	23.72	0.2356	23.76	0.2379
Highest		1	0	23.93	0.2473	23.97	0.2493
Limit	EIRP < 1W			Result		PASS	



LTE Band 4/ 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	25.39	0.3462	25.56	0.3594
Middle		1	25	25.52	0.3561	25.22	0.3325
Highest		1	0	25.13	0.3262	25.08	0.3221
Lowest	16QAM	1	0	24.10	0.2568	24.43	0.2770
Middle		1	0	24.07	0.2552	23.87	0.2435
Highest		1	49	24.33	0.2710	23.85	0.2429
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	25.66	0.3683	25.65	0.3669
Middle		1	0	25.47	0.3523	25.37	0.3442
Highest		1	37	25.46	0.3513	25.35	0.3428
Lowest	16QAM	1	0	24.17	0.2610	24.63	0.2901
Middle		1	74	23.82	0.2409	23.95	0.2483
Highest		1	74	24.27	0.2676	23.81	0.2404
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	25.70	0.3713	25.42	0.3484
Middle		1	49	25.26	0.3357	25.25	0.3349
Highest		1	49	25.04	0.3193	25.05	0.3202
Lowest	16QAM	1	0	24.09	0.2563	24.39	0.2747
Middle		1	0	24.09	0.2564	24.05	0.2540
Highest		1	99	24.17	0.2611	23.68	0.2333
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	5	19.61	0.0913	7.35	0.0054
Middle		3	1	19.09	0.0810	7.70	0.0059
Highest		3	1	18.54	0.0714	7.86	0.0061
Lowest	16QAM	1	3	18.46	0.0702	6.25	0.0042
Middle		3	3	18.46	0.0702	6.99	0.0050
Highest		3	3	17.48	0.0560	7.00	0.0050
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	19.50	0.0891	7.31	0.0054
Middle		1	8	19.01	0.0795	7.71	0.0059
Highest		1	8	18.42	0.0695	7.86	0.0061
Lowest	16QAM	1	8	18.24	0.0667	6.04	0.0040
Middle		1	0	17.85	0.0610	6.53	0.0045
Highest		1	8	17.38	0.0547	6.72	0.0047
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	19.45	0.0880	7.39	0.0055
Middle		1	12	19.16	0.0824	7.85	0.0061
Highest		1	12	19.06	0.0805	8.40	0.0069
Lowest	16QAM	1	24	18.20	0.0661	6.14	0.0041
Middle		1	12	17.64	0.0581	6.34	0.0043
Highest		1	12	17.32	0.0539	6.64	0.0046
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	19.69	0.0932	7.65	0.0058
Middle		1	25	19.24	0.0839	7.93	0.0062
Highest		1	25	18.74	0.0749	8.13	0.0065
Lowest	16QAM	1	25	18.47	0.0703	6.43	0.0044
Middle		1	25	18.09	0.0644	6.80	0.0048
Highest		1	25	17.65	0.0582	7.04	0.0051
Limit	ERP < 7W			Result		PASS	



LTE Band 12 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	3	19.30	0.0851	1.15	0.0013
Middle		1	3	19.84	0.0964	1.18	0.0013
Highest		1	3	20.00	0.0999	1.23	0.0013
Lowest	16QAM	3	1	18.66	0.0734	0.04	0.0010
Middle		3	1	18.71	0.0743	0.16	0.0010
Highest		1	3	18.89	0.0775	0.09	0.0010
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	19.21	0.0833	1.07	0.0013
Middle		1	8	19.83	0.0961	1.19	0.0013
Highest		1	8	19.88	0.0973	1.20	0.0013
Lowest	16QAM	1	14	17.99	0.0629	-0.18	0.0010
Middle		1	0	18.58	0.0721	-0.11	0.0010
Highest		1	8	18.60	0.0725	-0.16	0.0010
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	19.30	0.0851	1.11	0.0013
Middle		1	12	19.91	0.0979	1.11	0.0013
Highest		1	12	19.81	0.0957	1.16	0.0013
Lowest	16QAM	1	12	17.77	0.0598	-0.48	0.0009
Middle		1	12	19.12	0.0816	0.39	0.0011
Highest		1	12	18.30	0.0677	-0.28	0.0009
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	19.56	0.0904	1.24	0.0013
Middle		1	25	19.87	0.0970	1.14	0.0013
Highest		1	25	19.66	0.0925	1.33	0.0014
Lowest	16QAM	1	25	18.34	0.0683	-0.02	0.0010
Middle		1	25	18.62	0.0728	-0.10	0.0010
Highest		1	49	18.53	0.0712	-0.33	0.0009
Limit	ERP < 3W			Result		PASS	

**Radiated Spurious Emission**

LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3758.92	-47.11	-13	-34.11	-60.66	-53.15	6.56	12.60	H
	5638.38	-42.32	-13	-29.32	-58.26	-47.42	8.00	13.10	H
	7517.84	-46.98	-13	-33.98	-65.72	-48.71	9.57	11.30	H
	3758.92	-46.98	-13	-33.98	-60.33	-53.02	6.56	12.60	V
	5638.38	-41.19	-13	-28.19	-58.54	-46.29	8.00	13.10	V
	7517.84	-47.44	-13	-34.44	-65.84	-49.17	9.57	11.30	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3757.48	-47.84	-13	-34.84	-61.39	-53.88	6.56	12.60	H
	5636.22	-41.66	-13	-28.66	-57.60	-46.76	8.00	13.10	H
	7514.96	-46.19	-13	-33.19	-64.93	-47.92	9.57	11.30	H
	3757.48	-45.63	-13	-32.63	-58.98	-51.67	6.56	12.60	V
	5636.22	-38.42	-13	-25.42	-56.24	-43.52	8.00	13.10	V
	7514.96	-47.19	-13	-34.19	-65.59	-48.92	9.57	11.30	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3755.68	-46.67	-13	-33.67	-60.22	-52.71	6.56	12.60	H
	5633.52	-42.00	-13	-29.00	-57.94	-47.10	8.00	13.10	H
	7511.36	-45.98	-13	-32.98	-64.72	-47.71	9.57	11.30	H
	3755.68	-47.51	-13	-34.51	-60.86	-53.55	6.56	12.60	V
	5633.52	-38.77	-13	-25.77	-56.48	-43.87	8.00	13.10	V
	7511.36	-46.84	-13	-33.84	-65.24	-48.57	9.57	11.30	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3751	-48.34	-13	-35.34	-61.89	-54.38	6.56	12.60	H
	5626.5	-41.00	-13	-28.00	-56.94	-46.10	8.00	13.10	H
	7502	-46.02	-13	-33.02	-64.76	-47.75	9.57	11.30	H
	3751	-47.32	-13	-34.32	-60.67	-53.36	6.56	12.60	V
	5626.5	-37.11	-13	-24.11	-55.64	-42.21	8.00	13.10	V
	7502	-47.13	-13	-34.13	-65.53	-48.86	9.57	11.30	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3746.68	-49.07	-13	-36.07	-62.62	-55.11	6.56	12.60	H
	5620.02	-40.57	-13	-27.57	-56.51	-45.67	8.00	13.10	H
	7493.36	-46.46	-13	-33.46	-65.20	-48.19	9.57	11.30	H
	3746.68	-48.01	-13	-35.01	-61.36	-54.05	6.56	12.60	V
	5620.02	-38.52	-13	-25.52	-56.31	-43.62	8.00	13.10	V
	7493.36	-45.05	-13	-32.05	-63.45	-46.78	9.57	11.30	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742.18	-49.29	-13	-36.29	-62.84	-55.33	6.56	12.60	H
	5613.27	-41.93	-13	-28.93	-57.87	-47.03	8.00	13.10	H
	7484.36	-46.46	-13	-33.46	-65.20	-48.19	9.57	11.30	H
	3742.18	-48.38	-13	-35.38	-61.73	-54.42	6.56	12.60	V
	5613.27	-38.77	-13	-25.77	-56.48	-43.87	8.00	13.10	V
	7484.36	-46.33	-13	-33.33	-64.73	-48.06	9.57	11.30	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3463.74	-49.09	-13	-36.09	-63.84	-55.51	6.18	12.60	H
	5195.61	-45.23	-13	-32.23	-63.23	-50.19	7.74	12.70	H
	6927.48	-46.81	-13	-33.81	-65.62	-49.51	9.00	11.70	H
	3463.74	-50.94	-13	-37.94	-61.89	-57.36	6.18	12.60	V
	5195.61	-50.86	-13	-37.86	-63.86	-55.82	7.74	12.70	V
	6927.48	-48.52	-13	-35.52	-65.23	-51.22	9.00	11.70	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3462.48	-49.48	-13	-36.48	-64.23	-55.90	6.18	12.60	H
	5193.72	-46.14	-13	-33.14	-64.14	-51.10	7.74	12.70	H
	6924.96	-46.48	-13	-33.48	-65.29	-49.18	9.00	11.70	H
	3462.48	-51.28	-13	-38.28	-62.23	-57.70	6.18	12.60	V
	5193.72	-50.73	-13	-37.73	-63.73	-55.69	7.74	12.70	V
	6924.96	-48.72	-13	-35.72	-65.43	-51.42	9.00	11.70	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3460.68	-49.38	-13	-36.38	-64.13	-55.80	6.18	12.60	H
	5191.02	-46.81	-13	-33.81	-64.81	-51.77	7.74	12.70	H
	6921.36	-45.95	-13	-32.95	-64.76	-48.65	9.00	11.70	H
	3460.68	-51.38	-13	-38.38	-62.33	-57.80	6.18	12.60	V
	5191.02	-51.48	-13	-38.48	-64.48	-56.44	7.74	12.70	V
	6921.36	-49.28	-13	-36.28	-65.99	-51.98	9.00	11.70	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3456.18	-49.94	-13	-36.94	-64.69	-56.36	6.18	12.60	H
	5184.27	-46.89	-13	-33.89	-64.89	-51.85	7.74	12.70	H
	6912.36	-47.21	-13	-34.21	-66.02	-49.91	9.00	11.70	H
	3456.18	-51.04	-13	-38.04	-61.99	-57.46	6.18	12.60	V
	5184.27	-50.41	-13	-37.41	-63.41	-55.37	7.74	12.70	V
	6912.36	-48.97	-13	-35.97	-65.68	-51.67	9.00	11.70	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3451.68	-49.10	-13	-36.10	-63.85	-55.52	6.18	12.60	H
	5177.52	-45.29	-13	-32.29	-63.29	-50.25	7.74	12.70	H
	6903.36	-47.68	-13	-34.68	-66.49	-50.38	9.00	11.70	H
	3451.68	-51.24	-13	-38.24	-62.19	-57.66	6.18	12.60	V
	5177.52	-47.88	-13	-34.88	-60.88	-52.84	7.74	12.70	V
	6903.36	-48.89	-13	-35.89	-65.6	-51.59	9.00	11.70	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447.18	-48.01	-13	-35.01	-62.76	-54.43	6.18	12.60	H
	5170.77	-45.60	-13	-32.60	-63.60	-50.56	7.74	12.70	H
	6894.36	-47.63	-13	-34.63	-66.44	-50.33	9.00	11.70	H
	3447.18	-51.29	-13	-38.29	-62.24	-57.71	6.18	12.60	V
	5170.77	-45.88	-13	-32.88	-58.88	-50.84	7.74	12.70	V
	6894.36	-49.53	-13	-36.53	-66.24	-52.23	9.00	11.70	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1671.92	-61.29	-13	-48.29	-64.12	-67.98	0.56	9.40	H
	2507.88	-59.59	-13	-46.59	-65.33	-67.30	0.74	10.60	H
	3343.84	-56.97	-13	-43.97	-65.78	-66.57	0.85	12.60	H
	1671.92	-63.65	-13	-50.65	-65.31	-70.34	0.56	9.40	V
	2507.88	-61.19	-13	-48.19	-66.77	-68.90	0.74	10.60	V
	3343.84	-57.39	-13	-44.39	-65.53	-66.99	0.85	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1670.48	-60.26	-13	-47.26	-63.09	-66.95	0.56	9.40	H
	2505.72	-60.34	-13	-47.34	-66.08	-68.05	0.74	10.60	H
	3340.96	-57.38	-13	-44.38	-66.19	-66.98	0.85	12.60	H
	1670.48	-64.06	-13	-51.06	-65.72	-70.75	0.56	9.40	V
	2505.72	-60.67	-13	-47.67	-66.25	-68.38	0.74	10.60	V
	3340.96	-57.73	-13	-44.73	-65.87	-67.33	0.85	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1668.68	-57.61	-13	-44.61	-60.44	-64.30	0.56	9.40	H
	2503.02	-59.33	-13	-46.33	-65.07	-67.04	0.74	10.60	H
	3337.36	-56.88	-13	-43.88	-65.69	-66.48	0.85	12.60	H
	1668.68	-64.21	-13	-51.21	-65.87	-70.90	0.56	9.40	V
	2503.02	-61.50	-13	-48.50	-67.08	-69.21	0.74	10.60	V
	3337.36	-56.98	-13	-43.98	-65.12	-66.58	0.85	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664.08	-55.60	-13	-42.60	-58.43	-62.29	0.56	9.40	H
	2496.27	-60.71	-13	-47.71	-66.45	-68.42	0.74	10.60	H
	3328.36	-57.11	-13	-44.11	-65.92	-66.71	0.85	12.60	H
	1664.08	-62.78	-13	-49.78	-64.44	-69.47	0.56	9.40	V
	2496.27	-61.08	-13	-48.08	-66.66	-68.79	0.74	10.60	V
	3328.36	-57.77	-13	-44.77	-65.91	-67.37	0.85	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1413.74	-61.19	-13	-48.19	-64.02	-67.88	0.56	9.40	H
	2120.61	-43.15	-13	-30.15	-51.68	-50.86	0.74	10.60	H
	2827.48	-57.81	-13	-44.81	-66.62	-67.41	0.85	12.60	H
	1413.74	-62.88	-13	-49.88	-64.54	-69.57	0.56	9.40	V
	2120.61	-43.38	-13	-30.38	-51.49	-51.09	0.74	10.60	V
	2827.48	-57.89	-13	-44.89	-66.03	-67.49	0.85	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1412.3	-61.56	-13	-48.56	-64.39	-68.25	0.56	9.40	H
	2118.45	-46.08	-13	-33.08	-54.03	-53.79	0.74	10.60	H
	2824.6	-58.29	-13	-45.29	-67.10	-67.89	0.85	12.60	H
	1412.3	-62.94	-13	-49.94	-64.60	-69.63	0.56	9.40	V
	2118.45	-48.14	-13	-35.14	-55.11	-55.85	0.74	10.60	V
	2824.6	-58.36	-13	-45.36	-66.50	-67.96	0.85	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1410.5	-61.64	-13	-48.64	-64.47	-68.33	0.56	9.40	H
	2115.75	-50.85	-13	-37.85	-57.06	-58.56	0.74	10.60	H
	2821	-57.53	-13	-44.53	-66.34	-67.13	0.85	12.60	H
	1410.5	-61.44	-13	-48.44	-63.10	-68.13	0.56	9.40	V
	2115.75	-50.76	-13	-37.76	-56.74	-58.47	0.74	10.60	V
	2821	-58.32	-13	-45.32	-66.46	-67.92	0.85	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-61.03	-13	-48.03	-63.86	-67.72	0.56	9.40	H
	2109	-57.34	-13	-44.34	-63.08	-65.05	0.74	10.60	H
	2812	-57.85	-13	-44.85	-66.66	-67.45	0.85	12.60	H
	1406	-62.19	-13	-49.19	-63.85	-68.88	0.56	9.40	V
	2109	-56.76	-13	-43.76	-62.34	-64.47	0.74	10.60	V
	2812	-58.05	-13	-45.05	-66.19	-67.65	0.85	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.