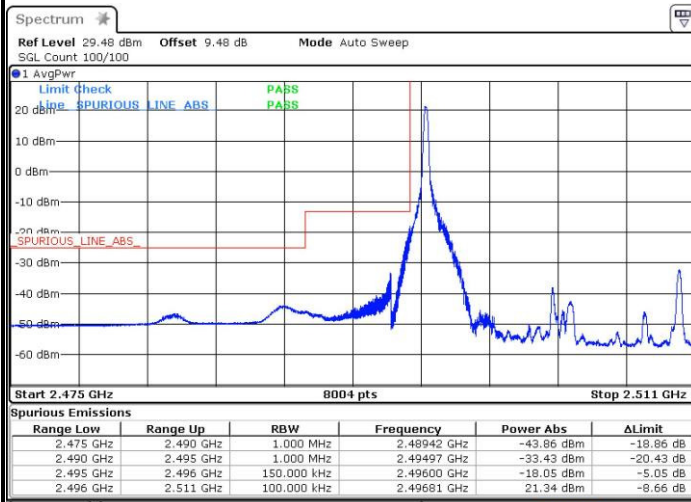


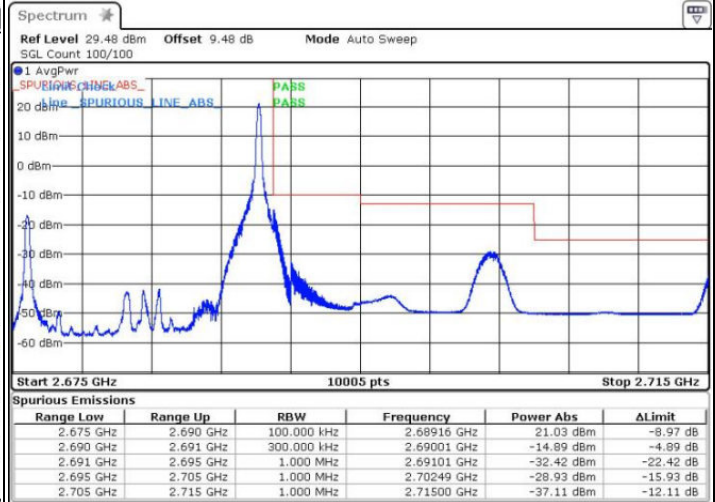


LTE Band 41 / 15MHz / QPSK

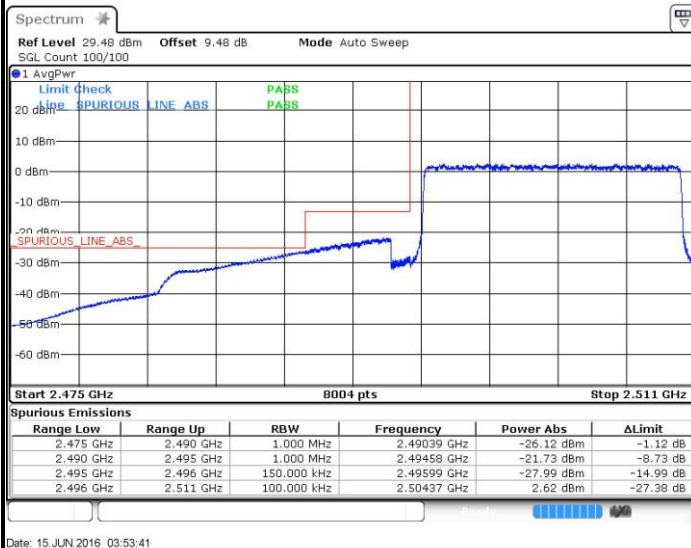
Lowest Band Edge / 1 RB



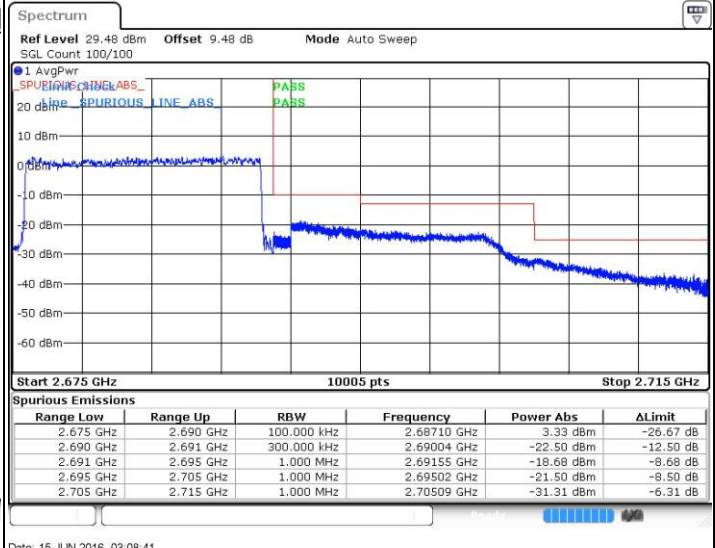
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



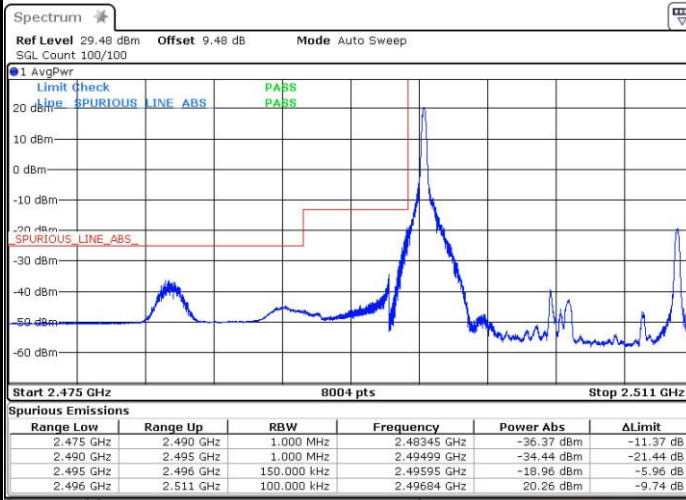
Highest Band Edge / Full RB



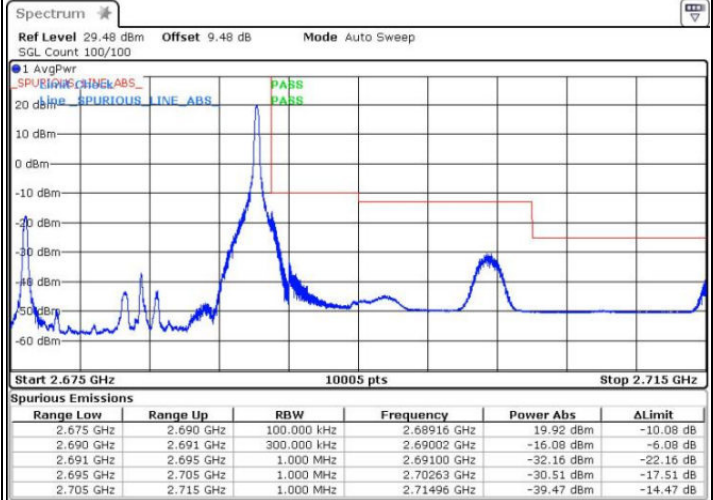


LTE Band 41 / 15MHz / 16QAM

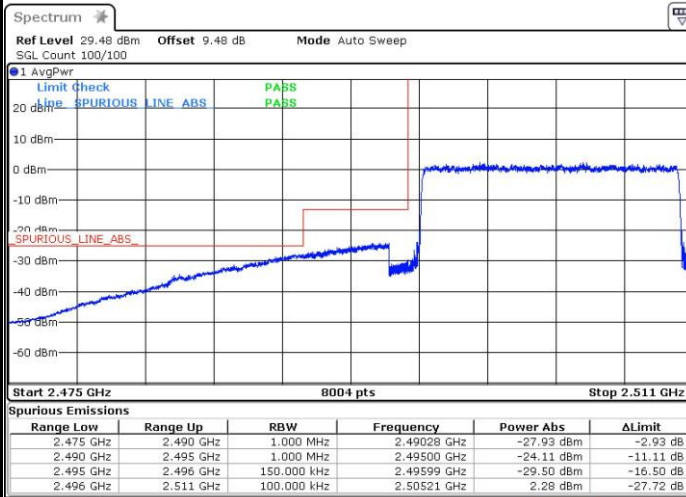
Lowest Band Edge / 1 RB



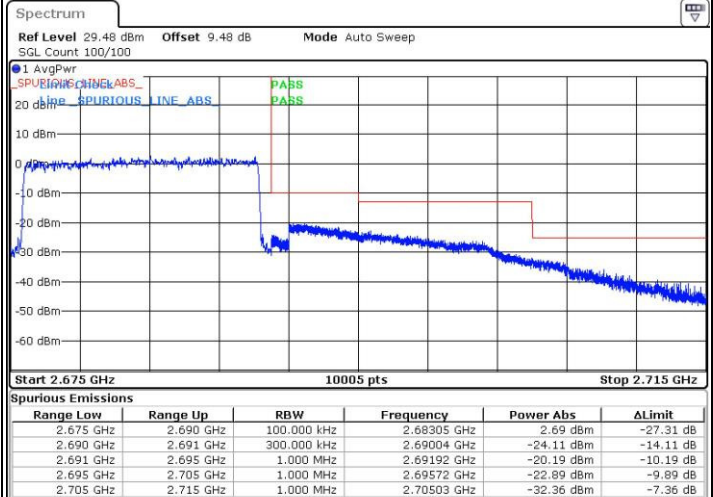
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



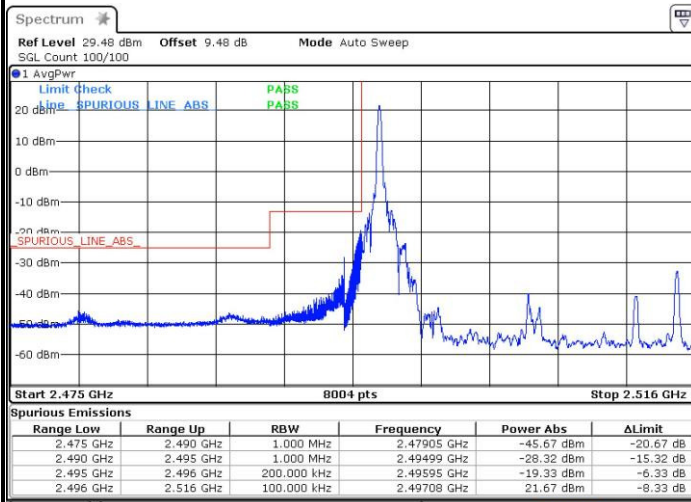
Highest Band Edge / Full RB



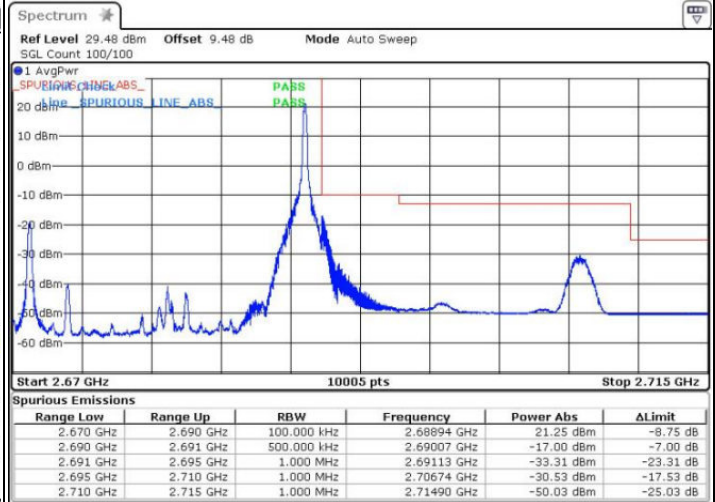


LTE Band 41 / 20MHz / QPSK

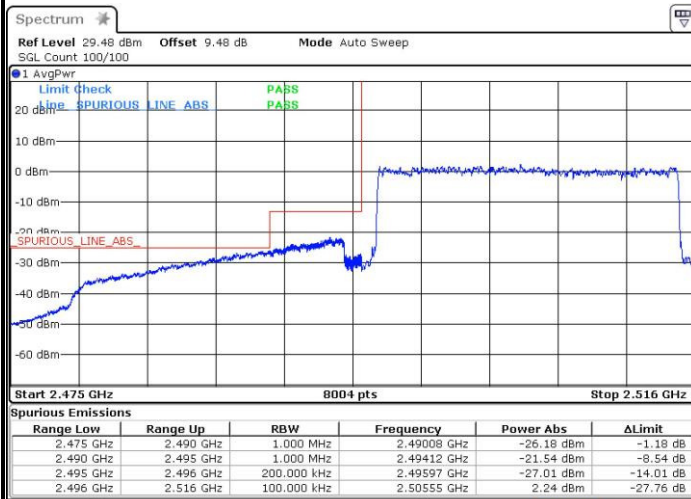
Lowest Band Edge / 1 RB



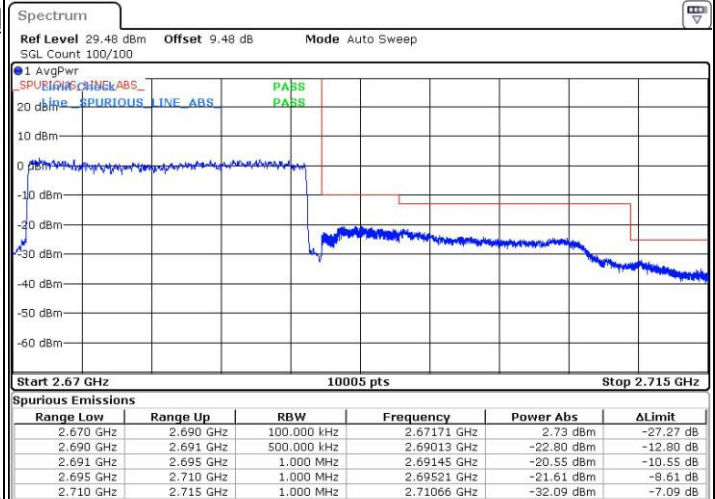
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



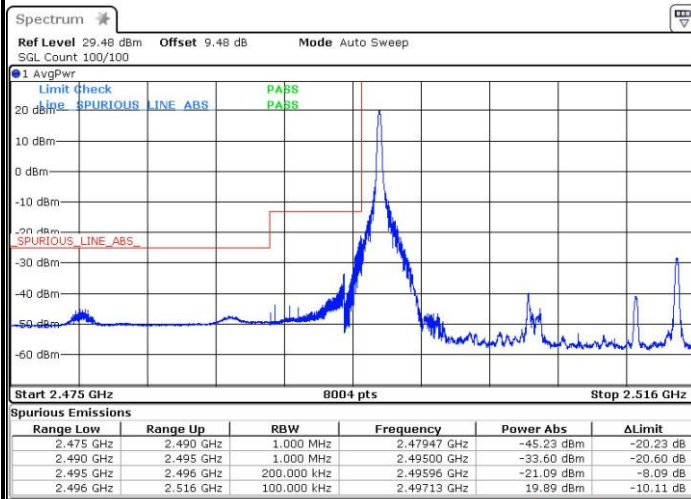
Highest Band Edge / Full RB



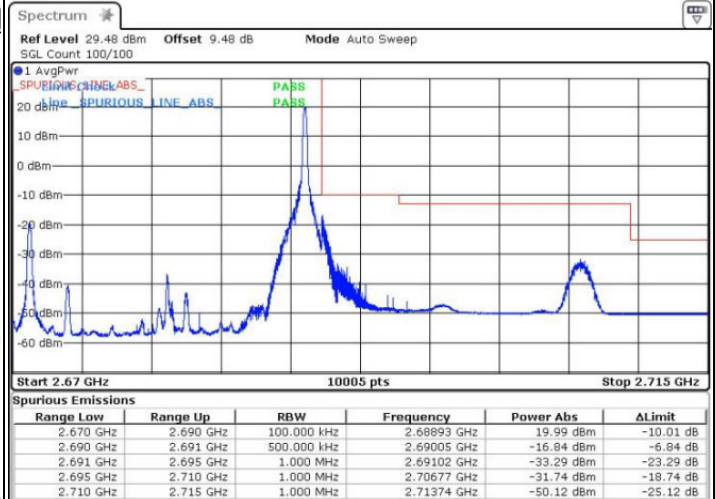


LTE Band 41 / 20MHz / 16QAM

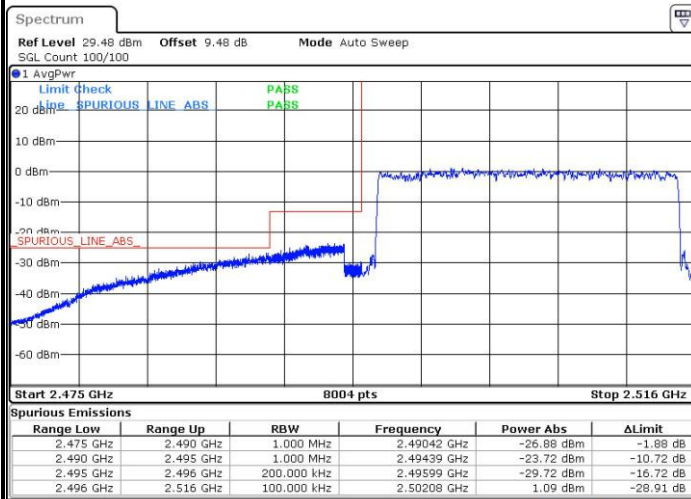
Lowest Band Edge / 1 RB



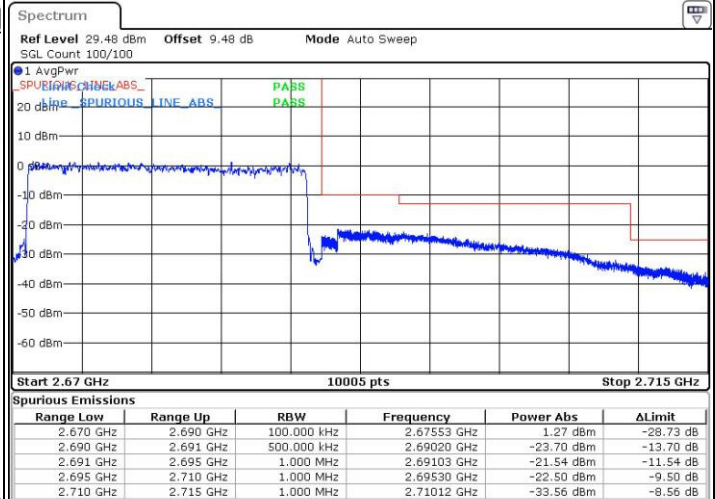
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

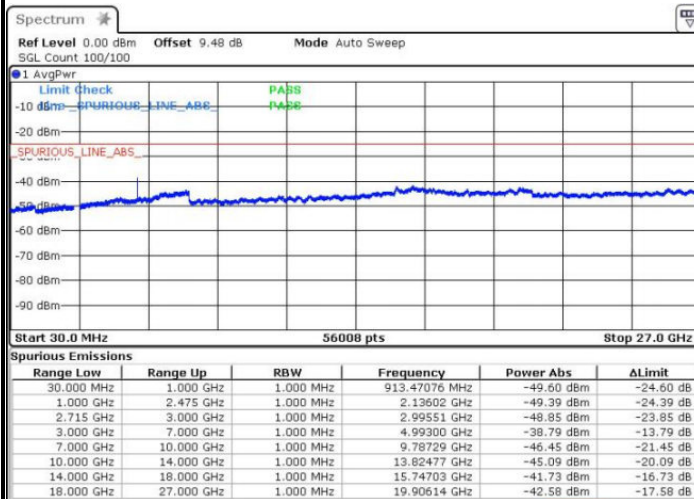




Conducted Spurious Emission

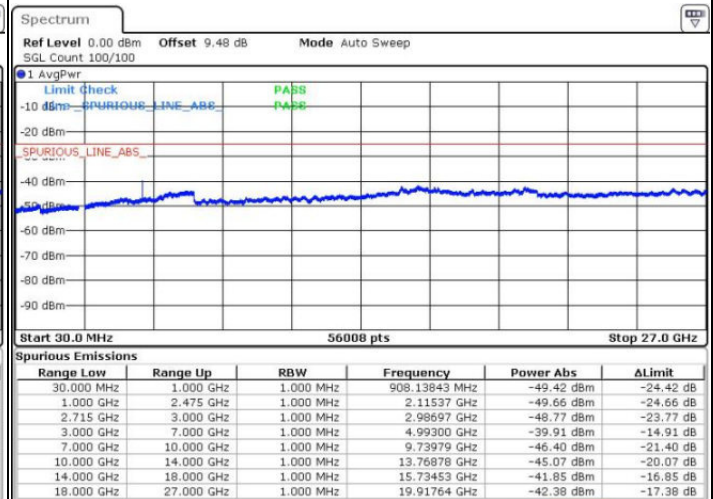
LTE Band 41 / 5MHz

Lowest Channel / QPSK



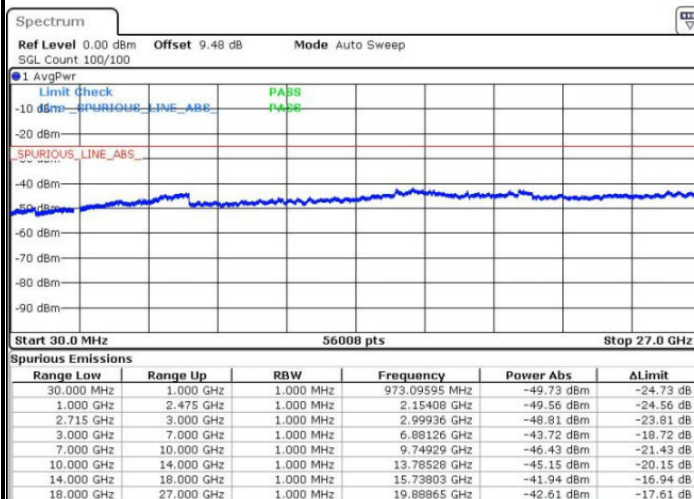
Date: 15 JUN 2016 03:24:22

Lowest Channel / 16QAM



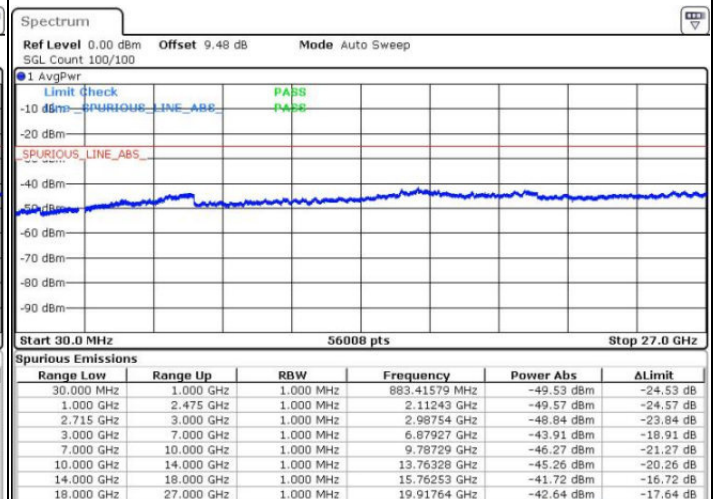
Date: 15 JUN 2016 03:25:20

Middle Channel / QPSK



Date: 15 JUN 2016 03:27:14

Middle Channel / 16QAM

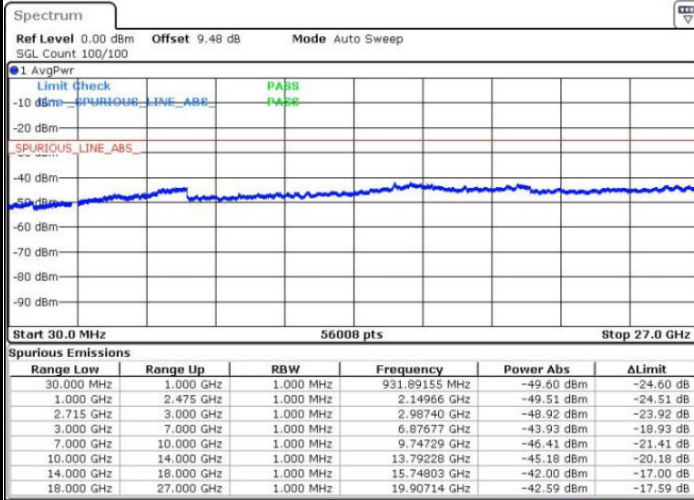


Date: 15 JUN 2016 03:26:14



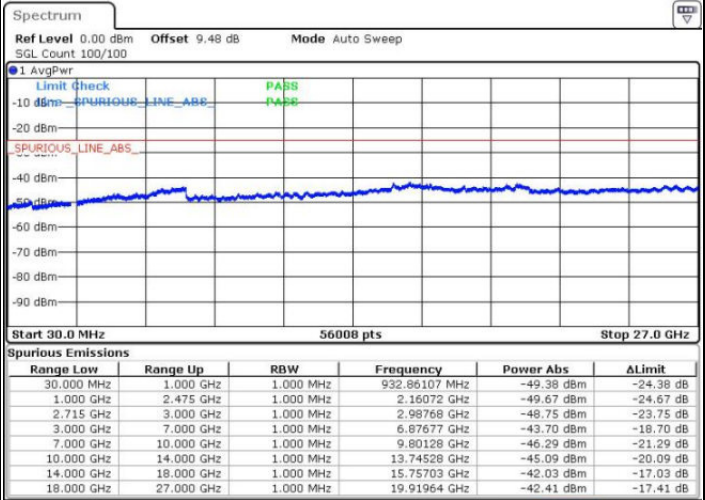
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 15 JUN 2016 03:28:10

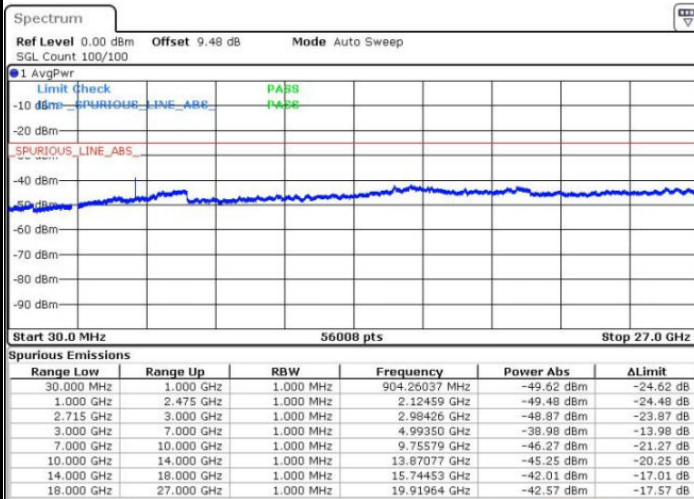
Highest Channel / 16QAM



Date: 15 JUN 2016 03:29:24

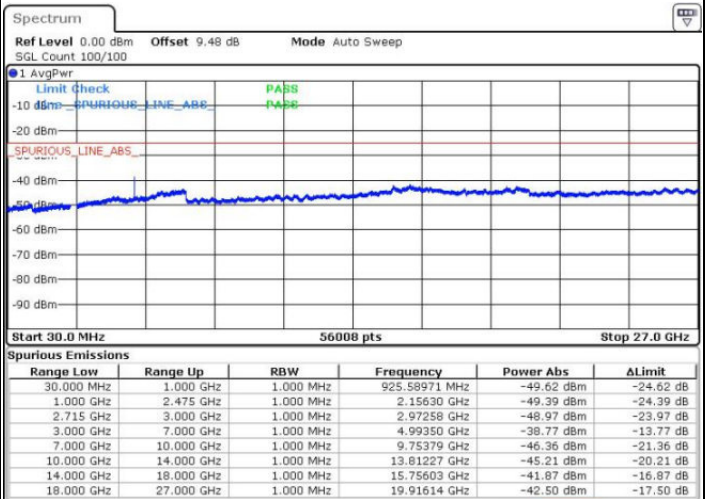
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 15 JUN 2016 03:31:39

Lowest Channel / 16QAM

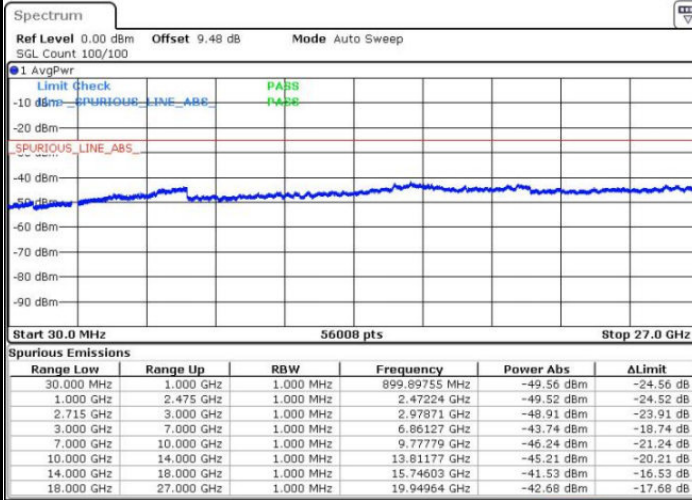


Date: 15 JUN 2016 03:30:43



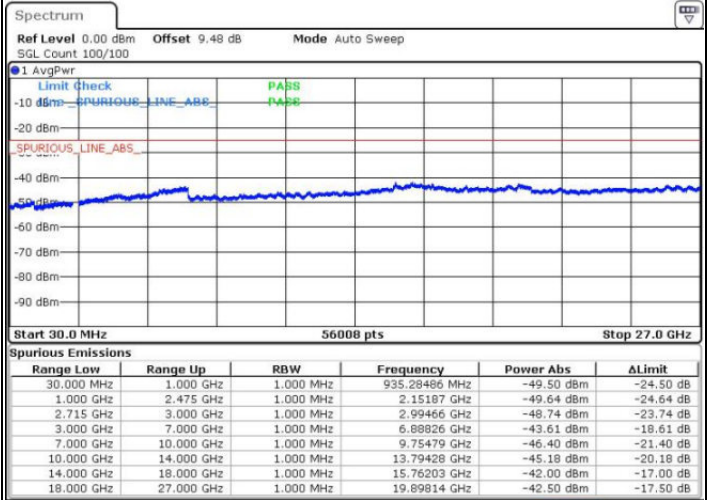
LTE Band 41 / 10MHz

Middle Channel / QPSK



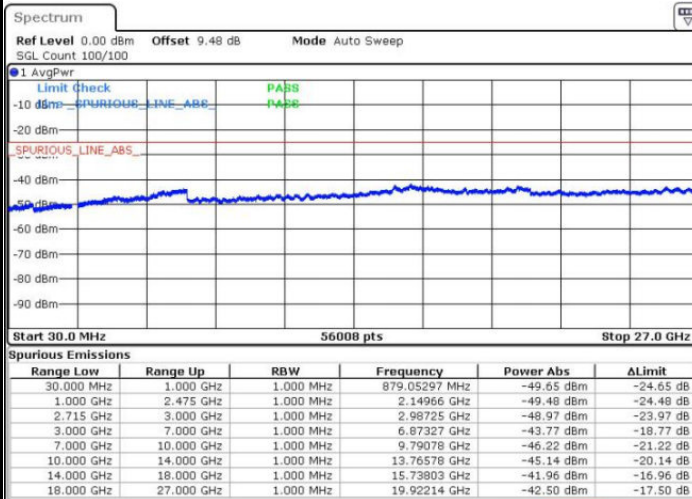
Date: 15 JUN 2016 03:33:18

Middle Channel / 16QAM



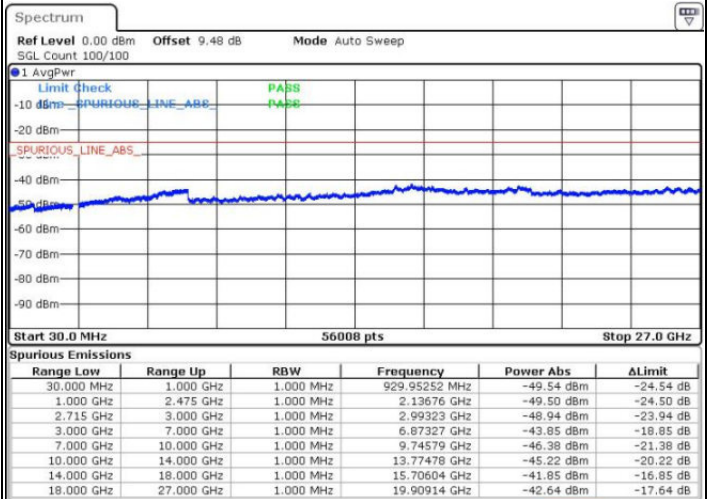
Date: 15 JUN 2016 03:34:14

Highest Channel / QPSK



Date: 15 JUN 2016 03:36:35

Highest Channel / 16QAM

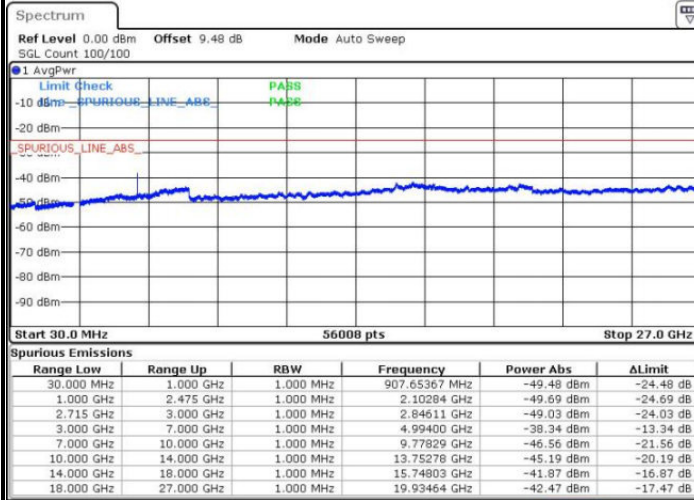


Date: 15 JUN 2016 03:35:14



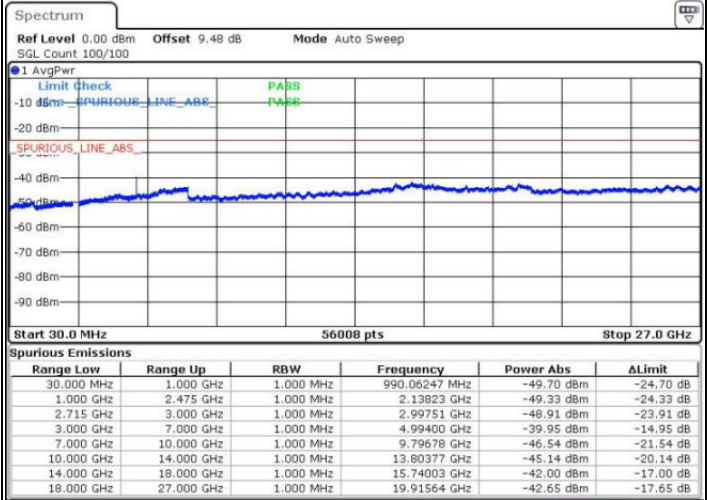
LTE Band 41 / 15MHz

Lowest Channel / QPSK



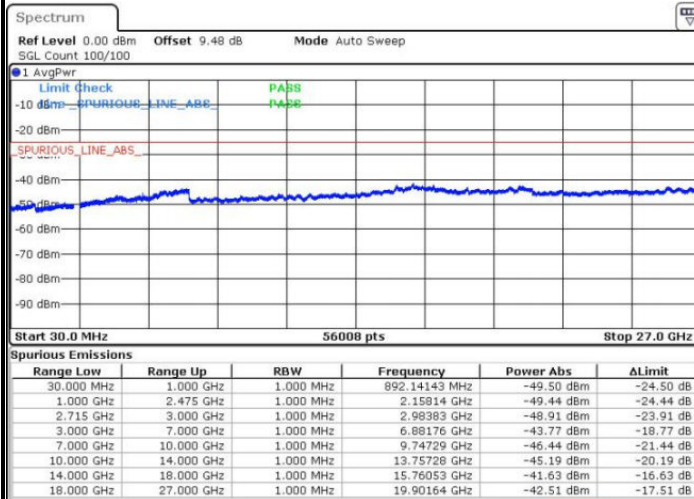
Date: 15 JUN 2016 03:37:38

Lowest Channel / 16QAM



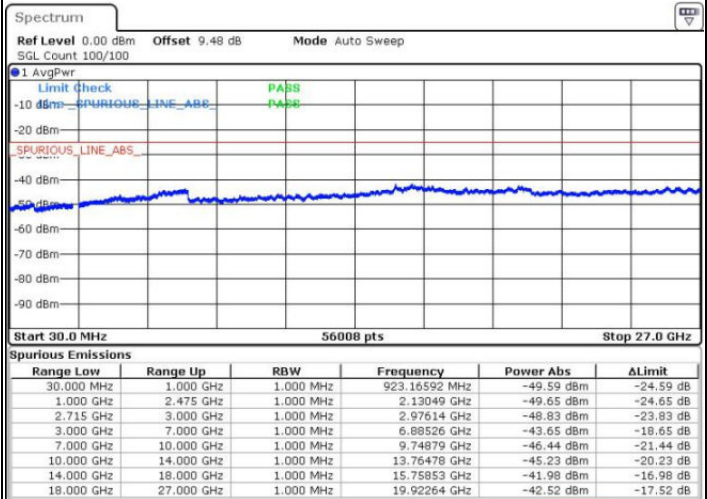
Date: 15 JUN 2016 03:38:32

Middle Channel / QPSK



Date: 15 JUN 2016 03:40:28

Middle Channel / 16QAM

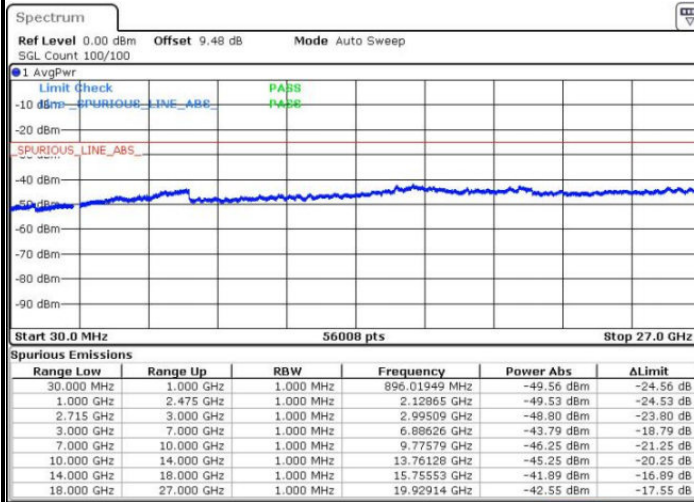


Date: 15 JUN 2016 03:39:27



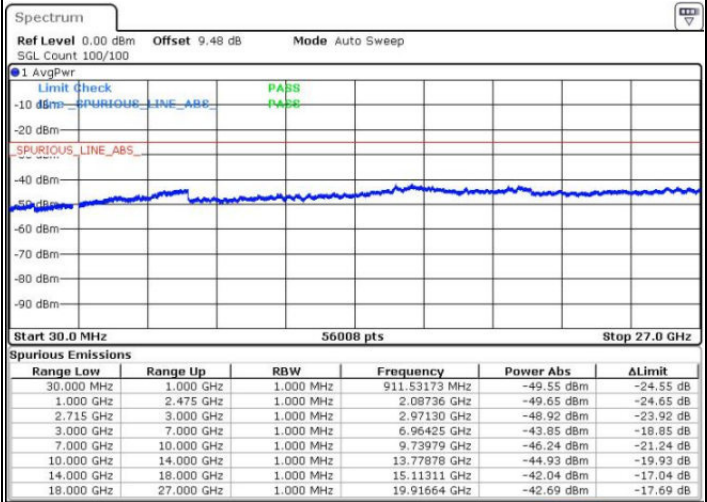
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 15 JUN 2016 03:41:25

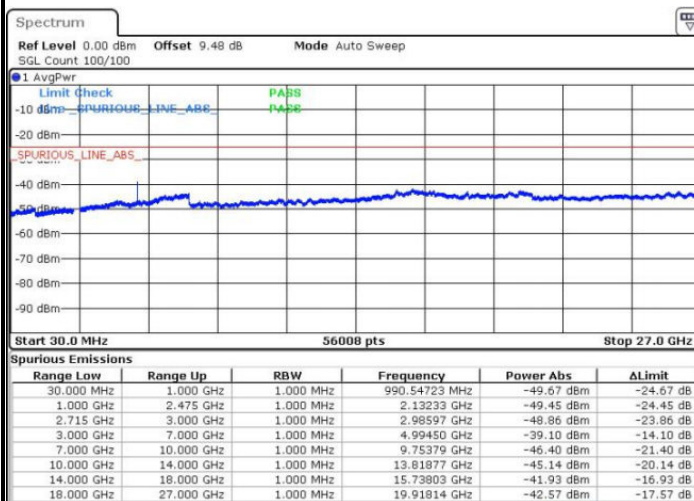
Highest Channel / 16QAM



Date: 15 JUN 2016 03:42:21

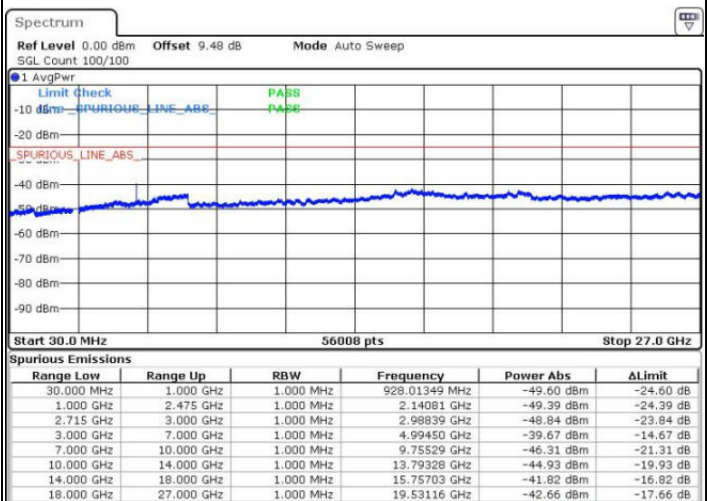
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 15 JUN 2016 03:44:33

Lowest Channel / 16QAM

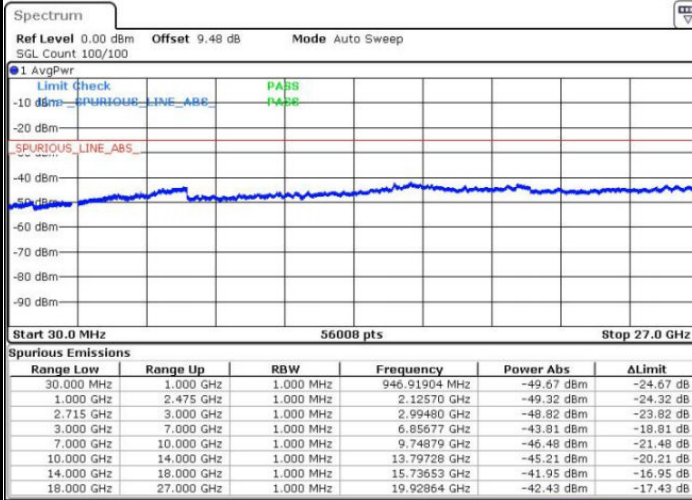


Date: 15 JUN 2016 03:43:28



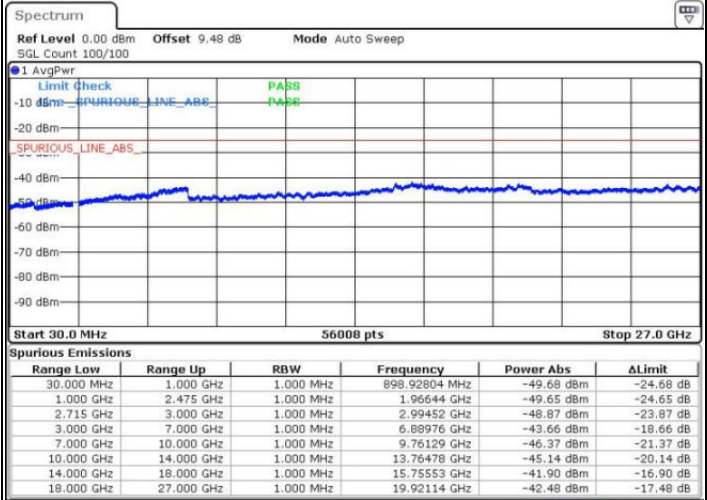
LTE Band 41 / 20MHz

Middle Channel / QPSK



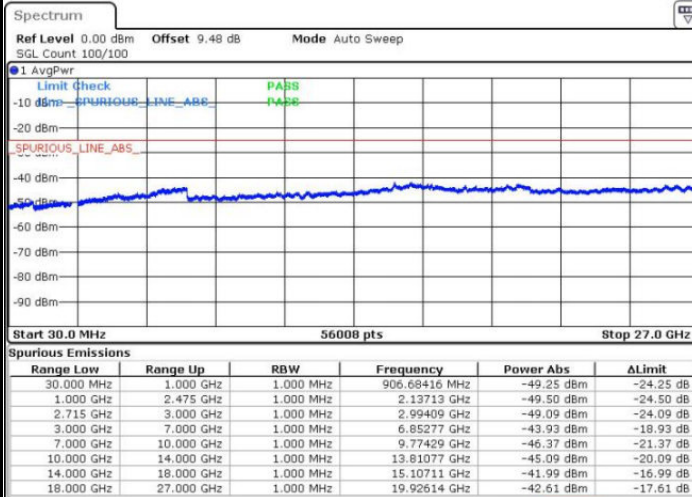
Date: 15 JUN 2016 03:45:29

Middle Channel / 16QAM



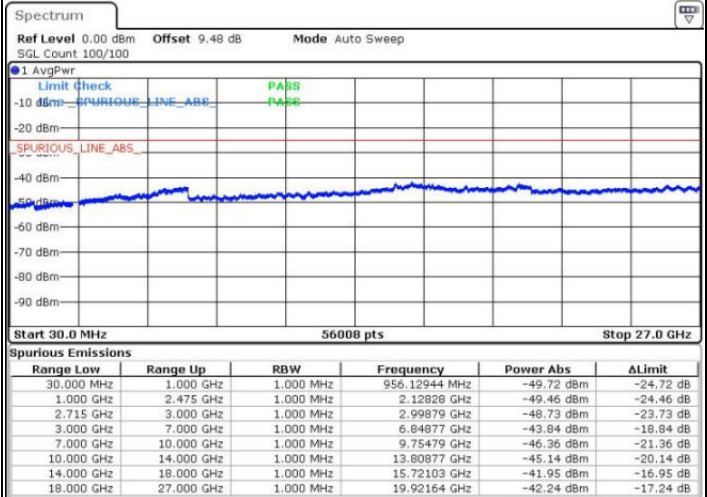
Date: 15 JUN 2016 03:46:52

Highest Channel / QPSK



Date: 15 JUN 2016 03:49:07

Highest Channel / 16QAM



Date: 15 JUN 2016 03:48:12

**Frequency Stability**

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0037	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0039	
-20	Normal Voltage	0.0055	
-30	Normal Voltage	0.0043	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0031	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6V. ; Maximum Voltage =4.35 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

EIRP

LTE Band 41 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.04	0.1269	21.82	0.1521
Middle		1	0	20.19	0.1045	21.90	0.1548
Highest		1	0	20.50	0.1122	21.31	0.1352
Lowest	16QAM	1	12	20.77	0.1195	21.74	0.1494
Middle		1	12	19.73	0.0940	21.49	0.1410
Highest		1	12	20.30	0.1072	21.10	0.1288
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.02	0.1265	21.79	0.1509
Middle		1	0	19.96	0.0991	21.59	0.1442
Highest		1	0	19.77	0.0949	20.44	0.1107
Lowest	16QAM	1	0	20.63	0.1155	21.43	0.1391
Middle		1	0	19.47	0.0886	21.10	0.1288
Highest		1	25	19.60	0.0911	20.27	0.1063
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.12	0.1295	21.93	0.1561
Middle		1	0	19.91	0.0980	21.65	0.1463
Highest		1	0	19.96	0.0990	20.51	0.1125
Lowest	16QAM	1	0	20.72	0.1181	21.53	0.1421
Middle		1	0	19.26	0.0844	21.00	0.1258
Highest		1	74	19.70	0.0934	20.28	0.1068
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.40	0.1382	22.19	0.1655
Middle		1	0	19.99	0.0997	21.91	0.1553
Highest		1	0	19.85	0.0965	20.22	0.1051
Lowest	16QAM	1	99	20.67	0.1168	21.48	0.1406
Middle		1	0	19.38	0.0866	21.25	0.1332
Highest		1	49	19.46	0.0882	19.82	0.0959
Limit	EIRP < 2W			Result		PASS	

**Radiated Spurious Emission**

LTE Band 41 / 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	5181.68	-42.81	-25	-17.81	-59.01	-54.57	0.94	12.70	H
	7772.52	-31.92	-25	-6.92	-53.77	-41.93	1.69	11.70	H
	10363.36	-41.10	-25	-16.10	-65.46	-51.76	1.44	12.10	H
	5181.68	-43.47	-25	-18.47	-59.22	-55.23	0.94	12.70	V
	7772.52	-35.01	-25	-10.01	-56	-45.02	1.69	11.70	V
	10363.36	-42.62	-25	-17.62	-65.52	-53.28	1.44	12.10	V

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

LTE Band 41 / 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	5177.18	-42.23	-25	-17.23	-58.43	-53.99	0.94	12.70	H
	7765.77	-34.44	-25	-9.44	-55.81	-44.45	1.69	11.70	H
	10354.36	-40.93	-25	-15.93	-65.29	-51.59	1.44	12.10	H
	5177.18	-43.56	-25	-18.56	-59.31	-55.32	0.94	12.70	V
	7765.77	-36.34	-25	-11.34	-57.33	-46.35	1.69	11.70	V
	10354.36	-41.92	-25	-16.92	-64.82	-52.58	1.44	12.10	V

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



LTE Band 41 / 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	5172.68	-42.09	-25	-17.09	-58.29	-53.85	0.94	12.70	H
	7759.02	-31.83	-25	-6.83	-53.69	-41.84	1.69	11.70	H
	10345.36	-39.32	-25	-14.32	-63.68	-49.98	1.44	12.10	H
	5172.68	-43.27	-25	-18.27	-59.02	-55.03	0.94	12.70	V
	7759.02	-37.47	-25	-12.47	-58.46	-47.48	1.69	11.70	V
	10345.36	-42.84	-25	-17.84	-65.74	-53.50	1.44	12.10	V

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

LTE Band 41 / 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	5168.18	-42.64	-25	-17.64	-58.84	-54.40	0.94	12.70	H
	7752.27	-32.68	-25	-7.68	-54.27	-42.69	1.69	11.70	H
	10336.36	-39.81	-25	-14.81	-64.17	-50.47	1.44	12.10	H
	5168.18	-42.62	-25	-17.62	-58.37	-54.38	0.94	12.70	V
	7752.27	-35.64	-25	-10.64	-56.63	-45.65	1.69	11.70	V
	10336.36	-43.45	-25	-18.45	-66.35	-54.11	1.44	12.10	V

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