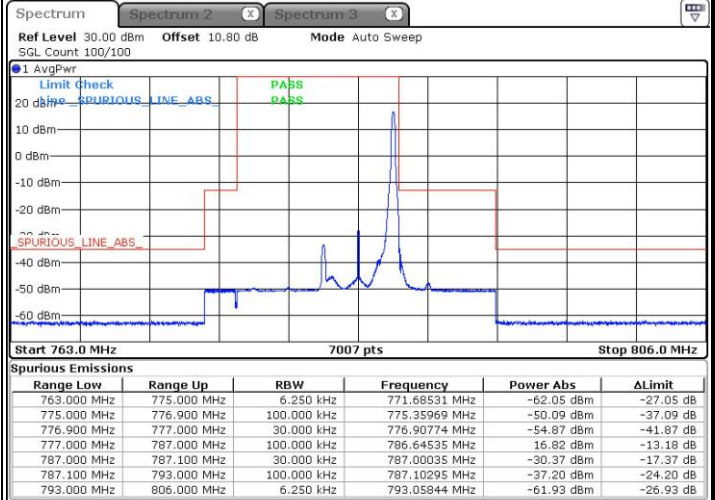
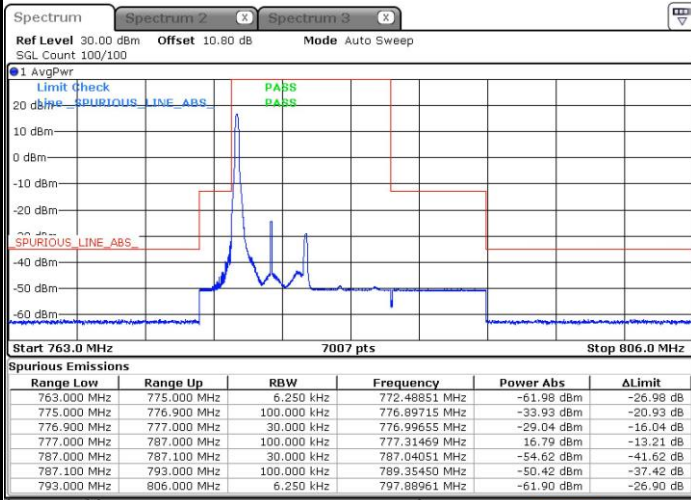




IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

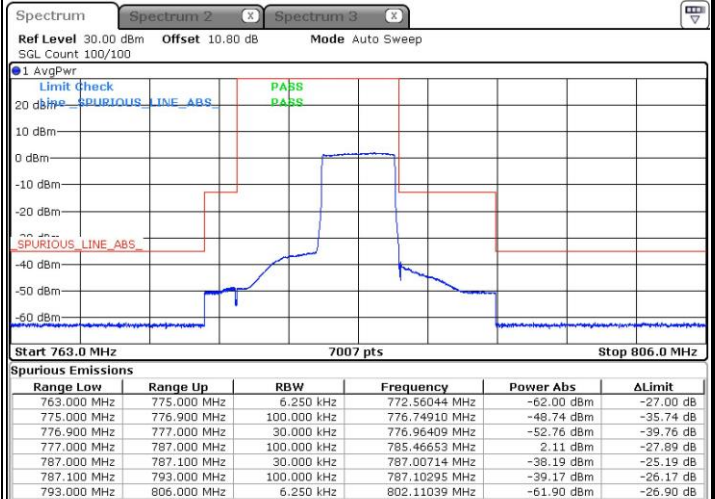
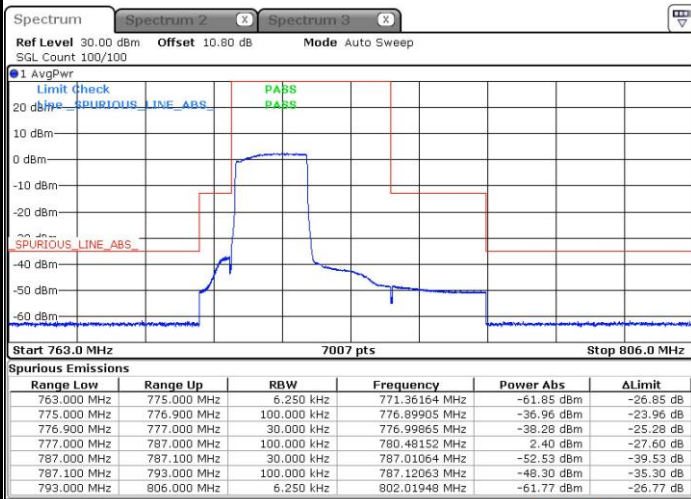


Date: 14 JUL 2018 07:51:22

Date: 14 JUL 2018 07:58:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14 JUL 2018 07:49:41

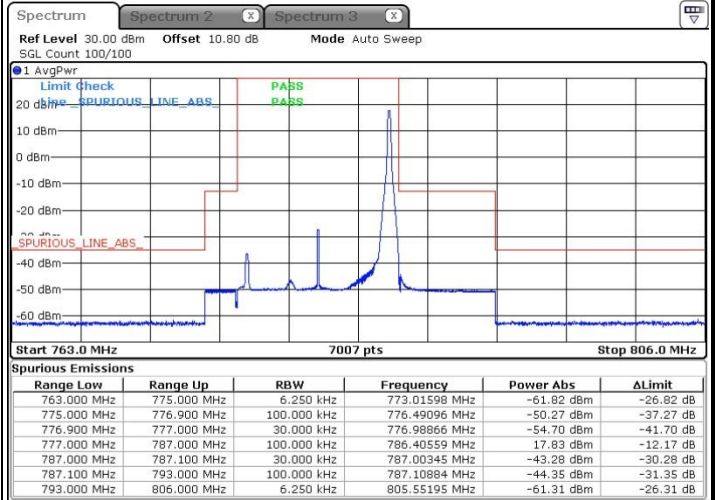
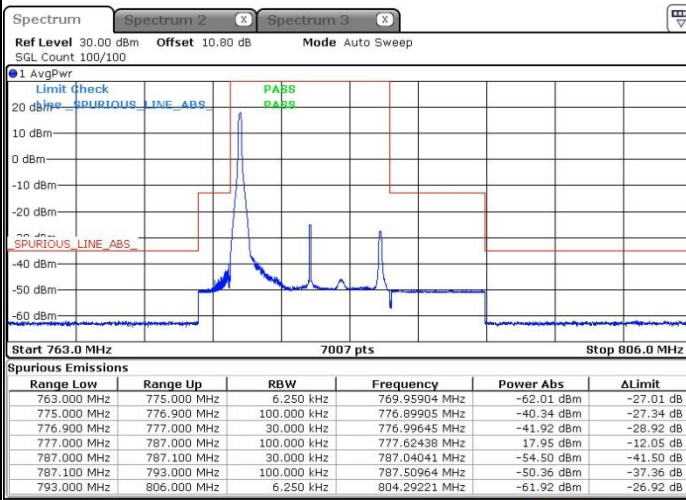
Date: 14 JUL 2018 07:56:23



IC LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

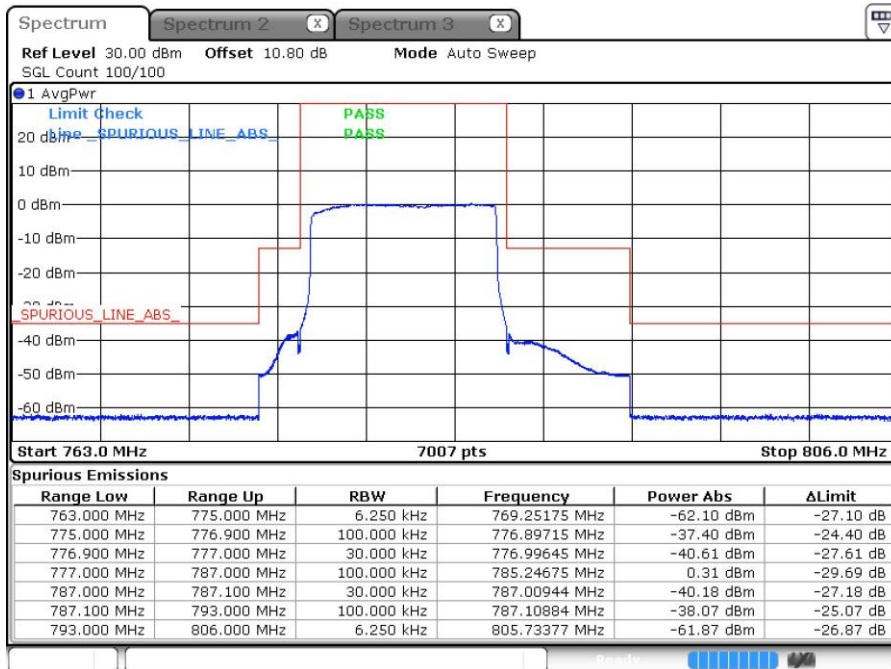
Highest Band Edge / 1 RB



Date: 14 JUL 2018 08:06:24

Date: 14 JUL 2018 08:08:05

Band Edge / Full RB

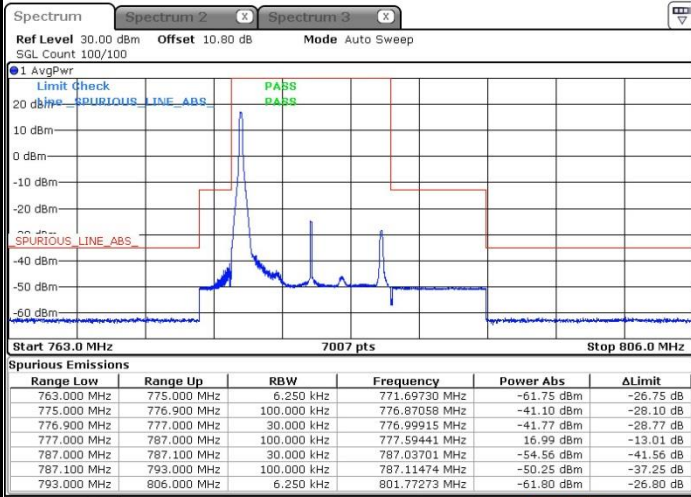


Date: 14 JUL 2018 08:01:23



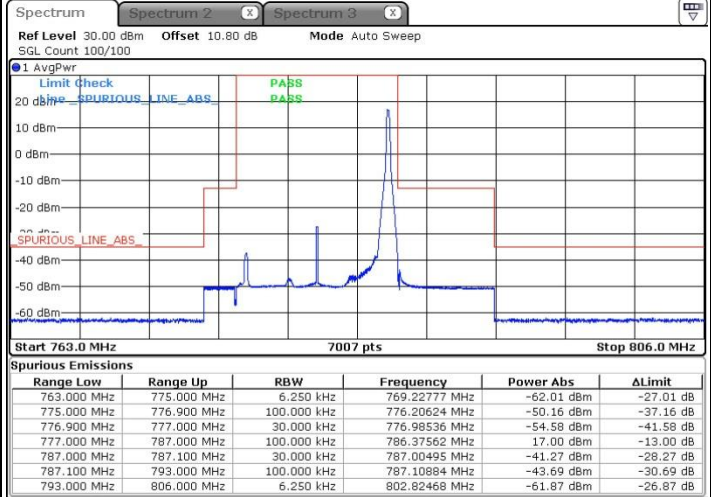
IC LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



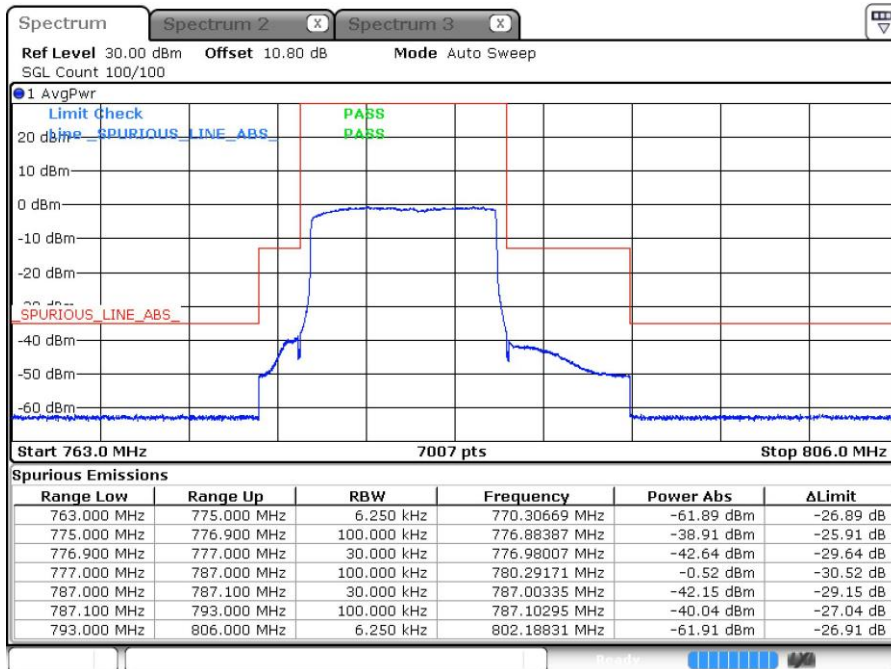
Date: 14 JUL 2018 08:04:44

Highest Band Edge / 1 RB



Date: 14 JUL 2018 08:09:45

Band Edge / Full RB



Date: 14 JUL 2018 08:03:04

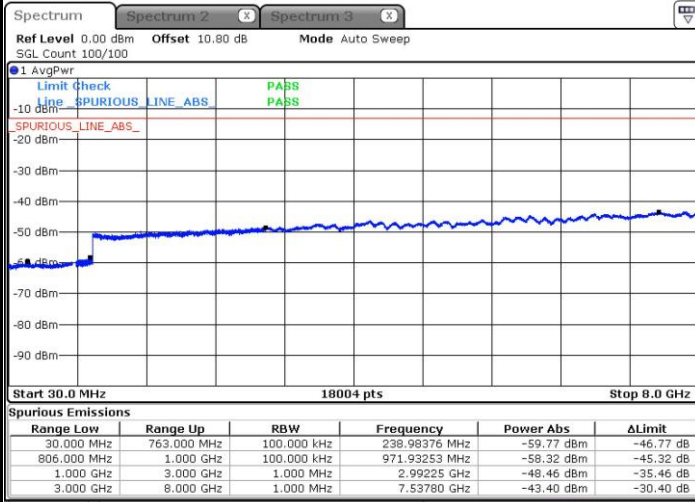


Conducted Spurious Emission



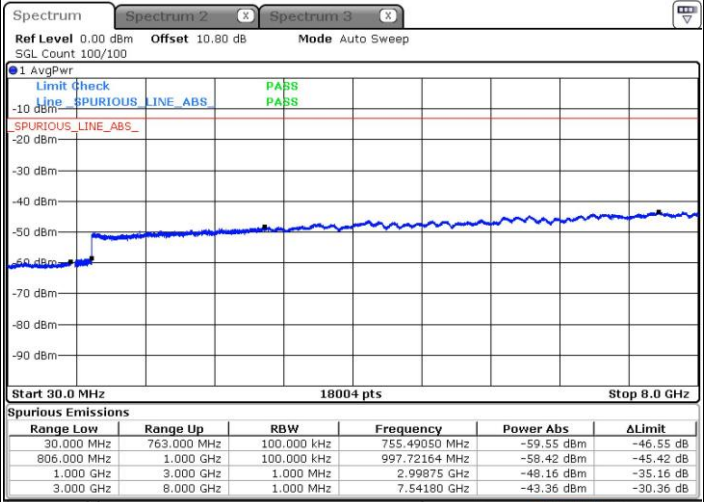
LTE Band 13 / 5MHz

Lowest Channel / QPSK



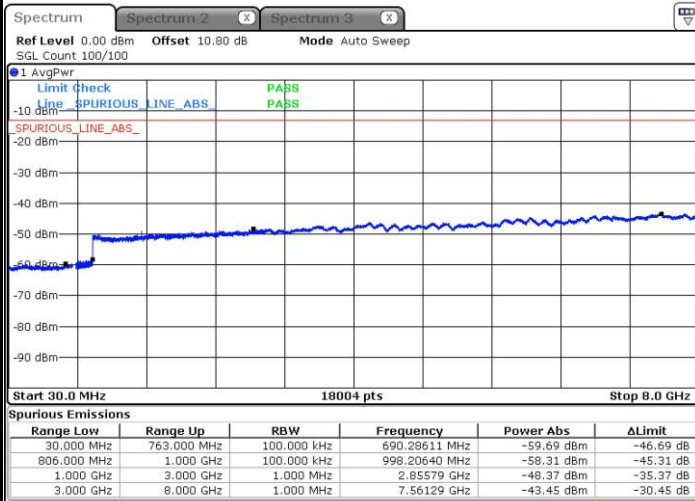
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Lowest Channel / 16QAM



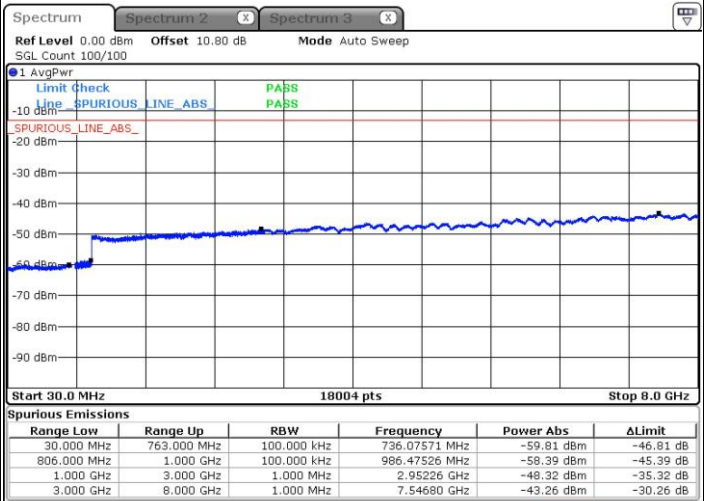
Date: 14 JUL 2018 07:13:21

Middle Channel / QPSK



Date: 14 JUL 2018 07:15:41

Middle Channel / 16QAM

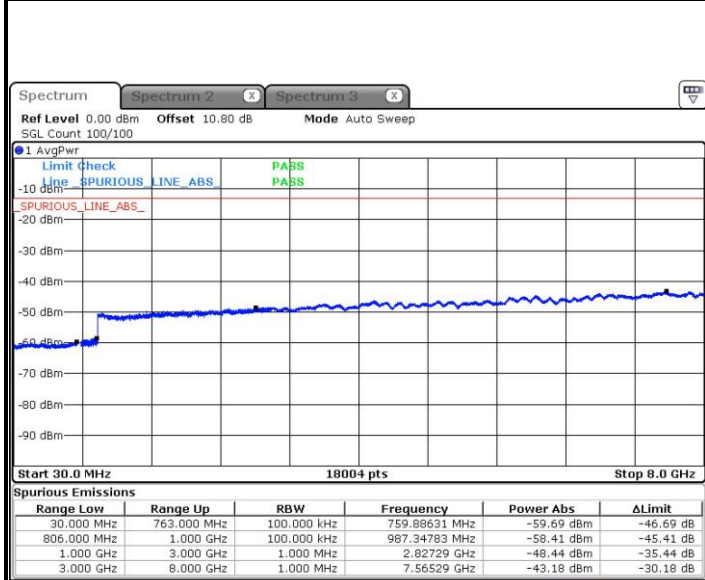


Date: 14 JUL 2018 07:14:31



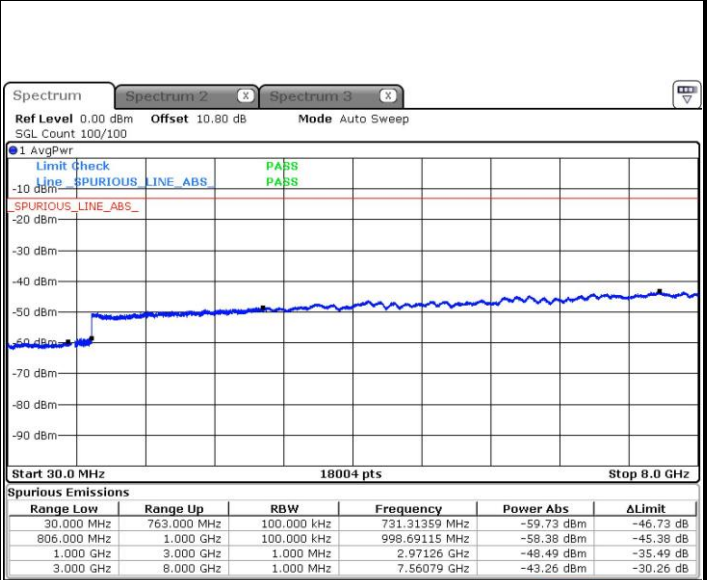
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 14 JUL 2018 07:25:03

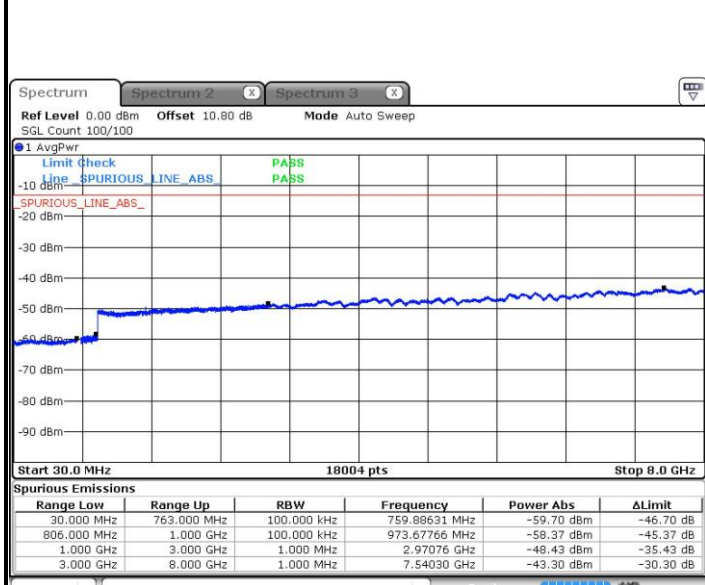
Highest Channel / 16QAM



Date: 14 JUL 2018 07:26:13

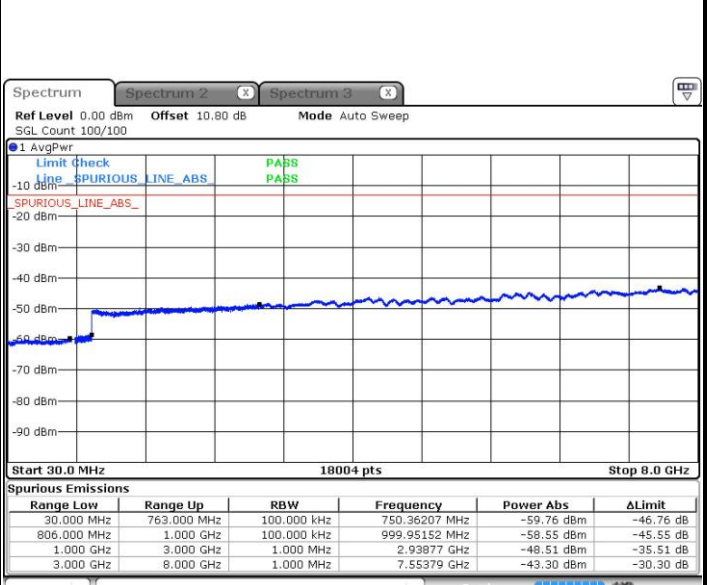
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 14 JUL 2018 07:39:21

Middle Channel / 16QAM



Date: 14 JUL 2018 07:38:11



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0092	
30	Normal Voltage	0.0045	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0054	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0086	
-20	Normal Voltage	0.0111	
-30	Normal Voltage	0.0083	
20	Maximum Voltage	0.0074	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0069	

Note:

1. Normal Voltage =54 V. ; Battery End Point (BEP) =44 V. ; Maximum Voltage =57 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of ERP/EIRP and Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz (Average) (GT - LC = 2.9 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	5	22.21	0.1663	25.11	0.3243
Middle		1	5	22.66	0.1845	25.56	0.3597
Highest		1	5	22.26	0.1683	25.16	0.3281
Lowest	16QAM	1	0	21.48	0.1406	24.38	0.2742
Middle		1	0	22.01	0.1589	24.91	0.3097
Highest		1	0	21.61	0.1449	24.51	0.2825
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 2.9 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	14	22.06	0.1607	24.96	0.3133
Middle		1	14	22.68	0.1854	25.58	0.3614
Highest		1	14	22.24	0.1675	25.14	0.3266
Lowest	16QAM	1	14	21.29	0.1346	24.19	0.2624
Middle		1	14	21.93	0.1560	24.83	0.3041
Highest		1	14	21.51	0.1416	24.41	0.2761
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 2.9 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.18	0.1652	25.08	0.3221
Middle		1	0	22.65	0.1841	25.55	0.3589
Highest		1	0	22.90	0.1950	25.80	0.3802
Lowest	16QAM	1	0	21.46	0.1400	24.36	0.2729
Middle		1	0	21.91	0.1552	24.81	0.3027
Highest		1	0	22.15	0.1641	25.05	0.3199
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 2.9 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.40	0.1738	25.30	0.3388
Middle		1	0	22.84	0.1923	25.74	0.3750
Highest		1	0	23.13	0.2056	26.03	0.4009
Lowest	16QAM	1	0	21.79	0.1510	24.69	0.2944
Middle		1	0	22.19	0.1656	25.09	0.3228
Highest		1	0	22.45	0.1758	25.35	0.3428
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 2.9 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.91	0.1954	25.81	0.3811
Middle		1	0	23.01	0.2000	25.91	0.3899
Highest		1	0	23.51	0.2244	26.41	0.4375
Lowest	16QAM	1	0	22.10	0.1622	25.00	0.3162
Middle		1	0	22.23	0.1671	25.13	0.3258
Highest		1	0	22.74	0.1879	25.64	0.3664
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 2.9 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.28	0.2128	26.18	0.4150
Middle		1	0	23.30	0.2138	26.20	0.4169
Highest		1	0	23.88	0.2443	26.78	0.4764
Lowest	16QAM	1	0	22.54	0.1795	25.44	0.3499
Middle		1	0	22.55	0.1799	25.45	0.3508
Highest		1	0	23.00	0.1995	25.90	0.3890
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 2.9 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	22.74	0.1879	25.64	0.3664
Middle		1	3	22.82	0.1914	25.72	0.3733
Highest		1	3	22.48	0.1770	25.38	0.3451
Lowest	16QAM	1	5	22.06	0.1607	24.96	0.3133
Middle		1	5	22.12	0.1629	25.02	0.3177
Highest		1	5	21.80	0.1514	24.70	0.2951
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 2.9 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.75	0.1884	25.65	0.3673
Middle		1	0	22.80	0.1905	25.70	0.3715
Highest		1	0	22.56	0.1803	25.46	0.3516
Lowest	16QAM	1	0	21.95	0.1567	24.85	0.3055
Middle		1	0	22.02	0.1592	24.92	0.3105
Highest		1	0	21.83	0.1524	24.73	0.2972
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 2.9 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.84	0.1923	25.74	0.3750
Middle		1	0	22.84	0.1923	25.74	0.3750
Highest		1	0	22.58	0.1811	25.48	0.3532
Lowest	16QAM	1	12	22.06	0.1607	24.96	0.3133
Middle		1	12	22.16	0.1644	25.06	0.3206
Highest		1	12	21.77	0.1503	24.67	0.2931
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 2.9 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.08	0.2032	25.98	0.3963
Middle		1	0	23.16	0.2070	26.06	0.4036
Highest		1	0	22.90	0.1950	25.80	0.3802
Lowest	16QAM	1	0	22.42	0.1746	25.32	0.3404
Middle		1	0	22.47	0.1766	25.37	0.3443
Highest		1	0	22.23	0.1671	25.13	0.3258
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 2.9 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.29	0.2133	26.19	0.4159
Middle		1	0	23.45	0.2213	26.35	0.4315
Highest		1	0	23.39	0.2183	26.29	0.4256
Lowest	16QAM	1	0	22.56	0.1803	25.46	0.3516
Middle		1	0	22.66	0.1845	25.56	0.3597
Highest		1	0	22.61	0.1824	25.51	0.3556
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 2.9 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.60	0.2291	26.50	0.4467
Middle		1	0	23.82	0.2410	26.72	0.4699
Highest		1	0	23.73	0.2360	26.63	0.4603
Lowest	16QAM	1	0	22.91	0.1954	25.81	0.3811
Middle		1	0	23.00	0.1995	25.90	0.3890
Highest		1	0	22.93	0.1963	25.83	0.3828
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = 3.88 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.76	0.1888	24.49	0.2812
Middle		1	0	22.56	0.1803	24.29	0.2685
Highest		1	0	22.67	0.1849	24.40	0.2754
Lowest	16QAM	1	5	22.14	0.1637	23.87	0.2438
Middle		1	5	21.82	0.1521	23.55	0.2265
Highest		1	5	22.03	0.1596	23.76	0.2377
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 3.88 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	22.77	0.1892	24.50	0.2818
Middle		1	8	22.49	0.1774	24.22	0.2642
Highest		1	8	22.67	0.1849	24.40	0.2754
Lowest	16QAM	1	8	22.02	0.1592	23.75	0.2371
Middle		1	8	21.72	0.1486	23.45	0.2213
Highest		1	8	21.92	0.1556	23.65	0.2317
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 3.88 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.75	0.1884	24.48	0.2805
Middle		1	0	22.49	0.1774	24.22	0.2642
Highest		1	0	22.72	0.1871	24.45	0.2786
Lowest	16QAM	1	12	22.14	0.1637	23.87	0.2438
Middle		1	12	21.85	0.1531	23.58	0.2280
Highest		1	12	21.99	0.1581	23.72	0.2355
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = 3.88 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	22.71	0.1866	24.44	0.2780
Middle		1	25	22.60	0.1820	24.33	0.2710
Highest		1	25	22.93	0.1963	24.66	0.2924
Lowest	16QAM	1	0	22.24	0.1675	23.97	0.2495
Middle		1	0	21.88	0.1542	23.61	0.2296
Highest		1	0	22.13	0.1633	23.86	0.2432
Limit	ERP < 7W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = 3.88 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	22.23	0.1671	23.96	0.2489
Middle		1	3	22.31	0.1702	24.04	0.2535
Highest		1	3	22.33	0.1710	24.06	0.2547
Lowest	16QAM	1	5	21.47	0.1403	23.20	0.2089
Middle		1	5	21.58	0.1439	23.31	0.2143
Highest		1	5	21.45	0.1396	23.18	0.2080
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = 3.88 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.38	0.1730	24.11	0.2576
Middle		1	0	22.41	0.1742	24.14	0.2594
Highest		1	0	22.43	0.1750	24.16	0.2606
Lowest	16QAM	1	8	21.62	0.1452	23.35	0.2163
Middle		1	8	21.72	0.1486	23.45	0.2213
Highest		1	8	21.61	0.1449	23.34	0.2158
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = 3.88 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	22.44	0.1754	24.17	0.2612
Middle		1	12	22.44	0.1754	24.17	0.2612
Highest		1	12	22.54	0.1795	24.27	0.2673
Lowest	16QAM	1	12	21.86	0.1535	23.59	0.2286
Middle		1	12	21.63	0.1455	23.36	0.2168
Highest		1	12	21.55	0.1429	23.28	0.2128
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = 3.88 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	22.60	0.1820	24.33	0.2710
Middle		1	25	22.64	0.1837	24.37	0.2735
Highest		1	25	22.86	0.1932	24.59	0.2877
Lowest	16QAM	1	49	21.56	0.1432	23.29	0.2133
Middle		1	49	21.87	0.1538	23.60	0.2291
Highest		1	49	21.91	0.1552	23.64	0.2312
Limit	ERP < 3W			Result		PASS	



LTE Band 13 / 5MHz (Average) (GT - LC = 3.88 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	21.41	0.1384	23.14	0.2061
Middle		1	0	21.35	0.1365	23.08	0.2032
Highest		1	0	21.18	0.1312	22.91	0.1954
Lowest	16QAM	1	0	20.78	0.1197	22.51	0.1782
Middle		1	0	20.59	0.1146	22.32	0.1706
Highest		1	0	20.46	0.1112	22.19	0.1656
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = 3.88 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	21.42	0.1387	23.15	0.2065
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	0	20.71	0.1178	22.44	0.1754
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	



Radiated Spurious Emission

LTE Band 2

LTE Band 2 / 20MHz / QPSK									
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)
Lowest	3700	-59.17	-13	-46.17	-77.03	-69.48	1.97	12.28	H
	5553	-56.00	-13	-43.00	-77.28	-66.13	2.14	12.27	H
	7404	-51.64	-13	-38.64	-76.4	-59.64	2.17	10.17	H
									H
									H
									H
									H
	3700	-59.80	-13	-46.80	-77.06	-70.11	1.97	12.28	V
	5553	-55.93	-13	-42.93	-77.45	-66.06	2.14	12.27	V
	7404	-52.83	-13	-39.83	-76.65	-60.83	2.17	10.17	V
									V
									V
									V
									V



Middle	3742	-58.82	-13	-45.82	-76.53	-69.08	2.00	12.25	H
	5613	-56.29	-13	-43.29	-77.46	-66.52	2.13	12.36	H
	7484	-51.34	-13	-38.34	-76.76	-59.24	2.12	10.03	H
									H
									H
									H
									H
	3742	-59.25	-13	-46.25	-76.44	-69.51	2.00	12.25	V
	5613	-56.04	-13	-43.04	-77.4	-66.27	2.13	12.36	V
	7484	-52.17	-13	-39.17	-76.73	-60.07	2.12	10.03	V
									V
									V
									V
									V
Highest	3782	-59.15	-13	-46.15	-76.75	-69.36	2.02	12.23	H
	5673	-56.10	-13	-43.10	-77.3	-66.43	2.12	12.44	H
	7564	-51.38	-13	-38.38	-76.77	-59.50	2.11	10.23	H
									H
									H
									H
									H
	3782	-59.25	-13	-46.25	-76.44	-69.46	2.02	12.23	V
	5673	-56.11	-13	-43.11	-77.47	-66.44	2.12	12.44	V
	7564	-51.82	-13	-38.82	-76.63	-59.94	2.11	10.23	V
									V
									V
									V
									V
								V	

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



LTE Band 4

LTE Band 4 / 20MHz / QPSK									
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)
Lowest	3422	-59.29	-13	-46.29	-76.13	-69.65	1.81	12.17	H
	5133	-56.43	-13	-43.43	-77.05	-66.25	2.31	12.13	H
	6844	-53.90	-13	-40.90	-77.23	-62.59	2.37	11.06	H
									H
									H
									H
									H
	3422	-60.18	-13	-47.18	-76.55	-70.54	1.81	12.17	V
	5133	-56.38	-13	-43.38	-76.94	-66.20	2.31	12.13	V
	6844	-54.47	-13	-41.47	-77.12	-63.16	2.37	11.06	V
									V
									V
									V
									V
Middle	3447	-59.28	-13	-46.28	-76.29	-69.69	1.83	12.24	H
	5171	-56.33	-13	-43.33	-76.97	-66.17	2.29	12.13	H
	6894	-53.31	-13	-40.31	-76.93	-61.93	2.38	11.01	H
									H
									H
									H
									H
	3447	-59.84	-13	-46.84	-76.38	-70.25	1.83	12.24	V
	5171	-56.61	-13	-43.61	-77.17	-66.45	2.29	12.13	V
	6894	-54.31	-13	-41.31	-77.11	-62.93	2.38	11.01	V
									V
									V
									V
									V



Highest	3472	-58.53	-13	-45.53	-75.89	-69.00	1.85	12.32	H
	5208	-56.94	-13	-43.94	-77.6	-66.81	2.27	12.14	H
	6944	-53.26	-13	-40.26	-77.17	-61.82	2.40	10.96	H
									H
									H
									H
									H
	3472	-59.42	-13	-46.42	-76.61	-69.89	1.85	12.32	V
	5208	-57.01	-13	-44.01	-77.56	-66.88	2.27	12.14	V
	6944	-53.41	-13	-40.41	-76.36	-61.97	2.40	10.96	V
									V
									V
									V
									V

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



LTE Band 5

LTE Band 5 / 10MHz / QPSK									
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)
Lowest	1656	-54.48	-13	-41.48	-67.03	-59.89	1.23	8.79	H
	2488	-54.71	-13	-41.71	-69.91	-61.61	1.44	10.49	H
	3320	-56.54	-13	-43.54	-73.55	-64.53	1.72	11.86	H
									H
									H
									H
									H
	1656	-56.24	-13	-43.24	-66.5	-61.65	1.23	8.79	V
	2488	-57.18	-13	-44.18	-71.87	-64.08	1.44	10.49	V
	3320	-56.24	-13	-43.24	-72.8	-64.23	1.72	11.86	V
									V
									V
									V
									V
Middle	1672	-48.15	-13	-35.15	-60.91	-53.62	1.24	8.85	H
	2512	-54.85	-13	-41.85	-70	-61.77	1.44	10.51	H
	3344	-52.36	-13	-39.36	-69.3	-60.40	1.74	11.93	H
									H
									H
									H
									H
	1672	-52.38	-13	-39.38	-62.72	-57.85	1.24	8.85	V
	2512	-56.83	-13	-43.83	-71.53	-63.75	1.44	10.51	V
	3344	-53.96	-13	-40.96	-70.44	-62.00	1.74	11.93	V
									V
									V
									V
									V
								V	



Highest	1688	-52.75	-13	-39.75	-65.74	-58.27	1.24	8.91	H
	2536	-49.59	-13	-36.59	-64.68	-56.53	1.44	10.53	H
	3376	-56.92	-13	-43.92	-73.72	-65.03	1.77	12.03	H
									H
									H
									H
									H
	1688	-56.52	-13	-43.52	-66.97	-62.04	1.24	8.91	V
	2536	-51.69	-13	-38.69	-66.38	-58.63	1.44	10.53	V
	3376	-50.58	-13	-37.58	-66.92	-58.69	1.77	12.03	V
									V
									V
									V
									V

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



LTE Band 12

LTE Band 12 / 1.4MHz / QPSK									
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)
Lowest	1400	-62.99	-13.00	-49.99	-74.21	-67.43	1.15	7.74	H
	2096	-60.74	-13.00	-47.74	-75.78	-67.39	1.38	10.18	H
	2800	-60.16	-13.00	-47.16	-76.09	-67.30	1.45	10.74	H
									H
									H
									H
									H
	1400	-63.74	-13.00	-50.74	-74.18	-68.18	1.15	7.74	V
	2096	-61.45	-13.00	-48.45	-75.75	-68.10	1.38	10.18	V
	2800	-60.68	-13.00	-47.68	-76.24	-67.82	1.45	10.74	V
									V
									V
									V
									V
Middle	1408	-62.44	-13.00	-49.44	-73.67	-66.92	1.15	7.78	H
	2112	-59.58	-13.00	-46.58	-74.93	-66.24	1.38	10.19	H
	3512	-59.79	-13.00	-46.79	-75.88	-68.16	1.88	12.39	H
									H
									H
									H
									H
	1408	-63.47	-13.00	-50.47	-73.91	-67.95	1.15	7.78	V
	2112	-60.96	-13.00	-47.96	-75.58	-67.62	1.38	10.19	V
	3512	-60.30	-13.00	-47.30	-75.88	-68.67	1.88	12.39	V
									V
									V
									V
									V



Highest	1422	-63.12	-13.00	-50.12	-74.45	-67.66	1.15	7.84	H
	2133	-60.45	-13.00	-47.45	-76.11	-67.13	1.38	10.21	H
	2840	-60.06	-13.00	-47.06	-76.15	-67.23	1.45	10.77	H
									H
									H
									H
									H
	1422	-64.02	-13.00	-51.02	-74.56	-68.56	1.15	7.84	V
	2133	-60.96	-13.00	-47.96	-75.90	-67.64	1.38	10.21	V
	2840	-60.47	-13.00	-47.47	-76.07	-67.64	1.45	10.77	V
									V
									V
									V
									V

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



LTE Band 13

LTE Band 13 / 5MHz / QPSK									
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)
Lowest	1568	-63.02	-42.15	-20.87	-74.83	-68.13	1.20	8.46	H
	2354	-60.11	-13	-47.11	-76.24	-66.93	1.42	10.38	H
	3138	-58.97	-13	-45.97	-76.27	-66.56	1.57	11.31	H
									H
									H
									H
									H
	1568	-64.21	-42.15	-22.06	-74.32	-69.32	1.20	8.46	V
	2354	-60.93	-13	-47.93	-76.12	-67.75	1.42	10.38	V
	3138	-59.92	-13	-46.92	-76.60	-67.51	1.57	11.31	V
									V
									V
									V
									V
Middle	1560	-63.19	-42.15	-21.04	-74.99	-68.28	1.19	8.43	H
	2346	-60.13	-13	-47.13	-76.26	-66.94	1.42	10.38	H
	3128	-59.19	-13	-46.19	-76.42	-66.76	1.56	11.28	H
									H
									H
									H
									H
	1560	-63.64	-42.15	-21.49	-73.95	-68.73	1.19	8.43	V
	2346	-60.98	-13	-47.98	-76.17	-67.79	1.42	10.38	V
	3128	-59.88	-13	-46.88	-76.43	-67.45	1.56	11.28	V
									V
									V
									V
									V



Highest	1560	-63.16	-42.15	-21.01	-74.96	-68.25	1.19	8.43	H
	2344	-59.97	-13	-46.97	-76.10	-66.78	1.42	10.38	H
	3128	-59.17	-13	-46.17	-76.40	-66.74	1.56	11.28	H
									H
									H
									H
									H
	1560	-63.73	-42.15	-21.58	-74.04	-68.82	1.19	8.43	V
	2344	-61.54	-13	-48.54	-76.23	-68.35	1.42	10.38	V
	3128	-59.78	-13	-46.78	-76.33	-67.35	1.56	11.28	V
									V
									V
									V
									V

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



LTE Band 13 / 10MHz / QPSK									
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	1576	-63.26	-42.15	-21.11	-75.09	-68.40	1.20	8.49	H
	2360	-59.61	-13	-46.61	-75.64	-66.43	1.42	10.39	H
	3144	-59.15	-13	-46.15	-76.51	-66.75	1.58	11.33	H
									H
									H
									H
									H
	1576	-64.89	-42.15	-22.74	-75.02	-70.03	1.20	8.49	V
	2360	-60.57	-13	-47.57	-75.63	-67.39	1.42	10.39	V
	3144	-59.70	-13	-46.70	-76.38	-67.30	1.58	11.33	V
									V
									V
									V
									V

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