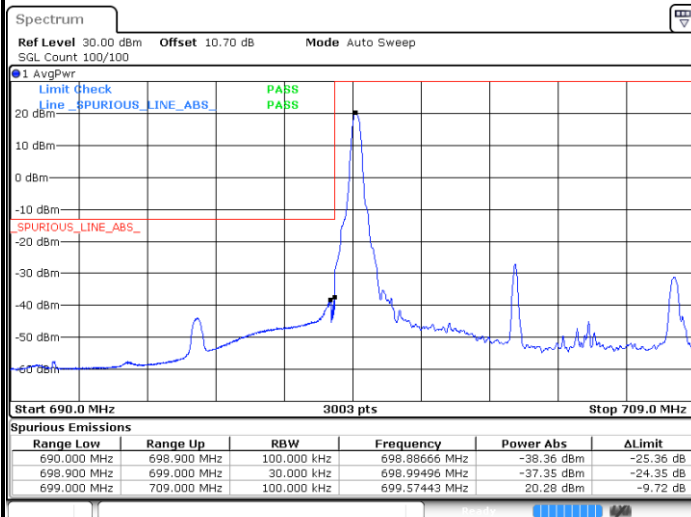


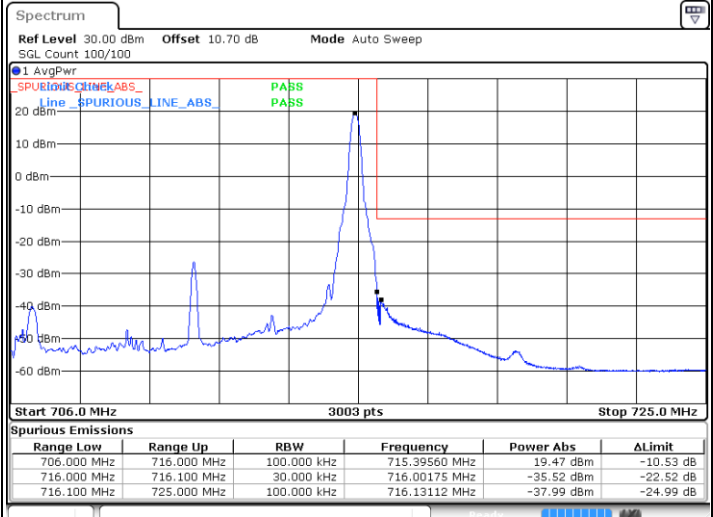


LTE Band 12 / 10MHz / 16QAM

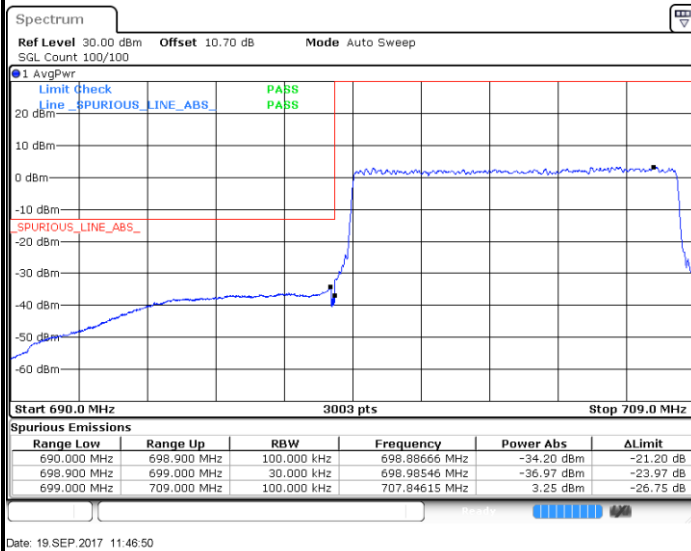
Lowest Band Edge / 1 RB



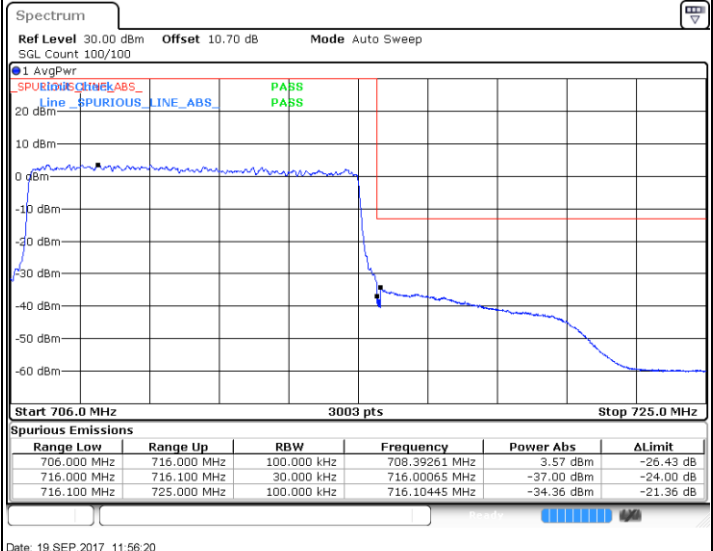
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



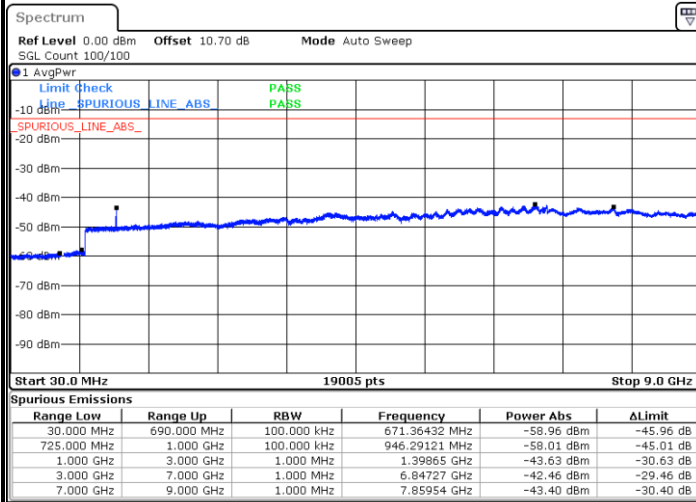


Conducted Spurious Emission



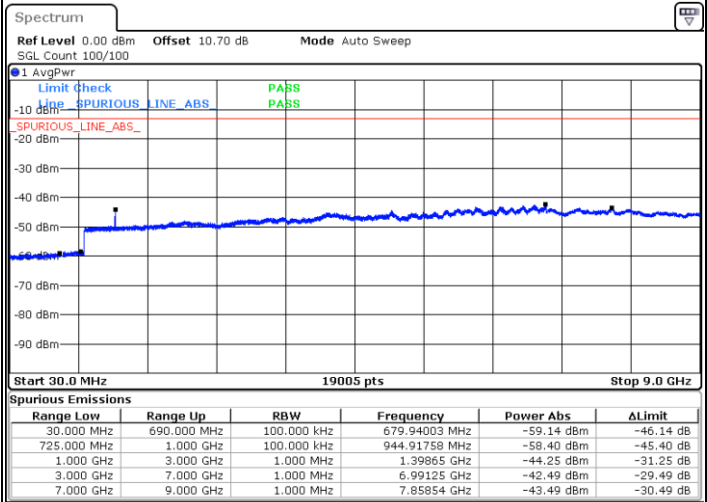
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



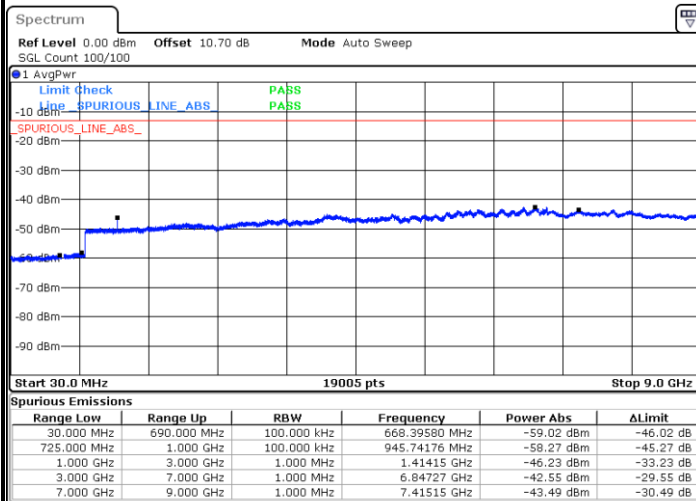
Date: 19 SEP. 2017 12:07:04

Lowest Channel / 16QAM



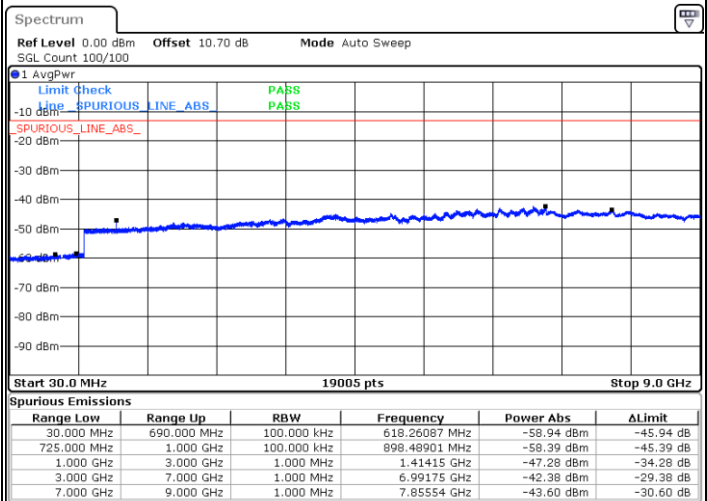
Date: 19 SEP. 2017 12:07:58

Middle Channel / QPSK



Date: 19 SEP. 2017 12:10:25

Middle Channel / 16QAM

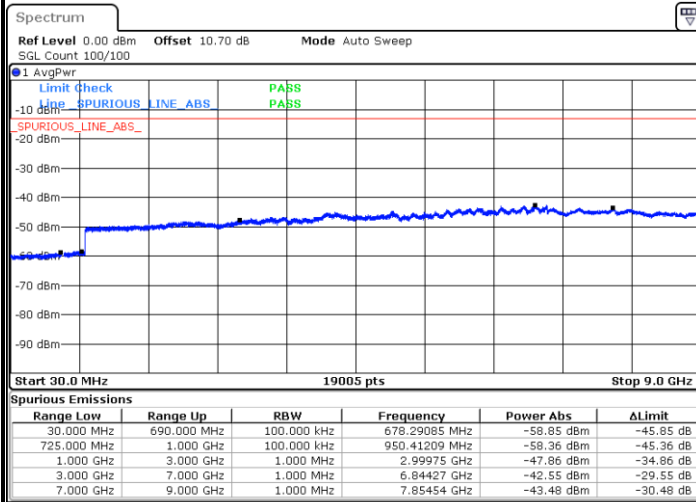


Date: 19 SEP. 2017 12:09:32



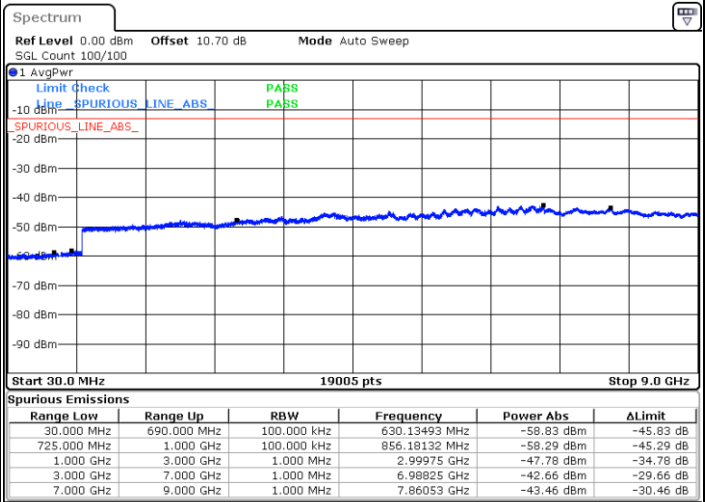
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 19.SEP.2017 12:16:34

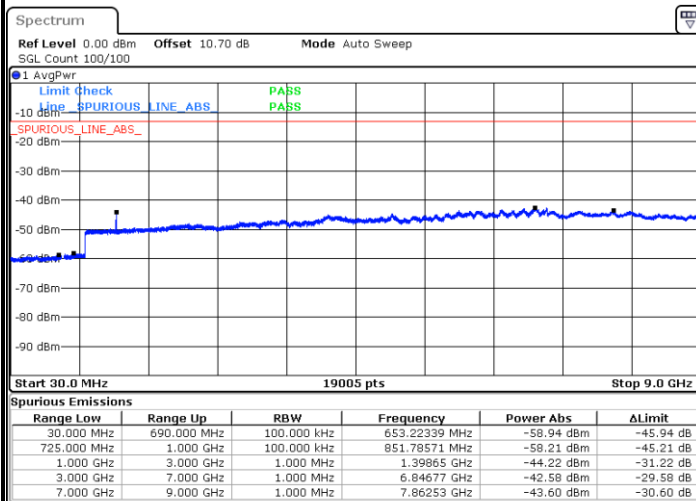
Highest Channel / 16QAM



Date: 19.SEP.2017 12:17:28

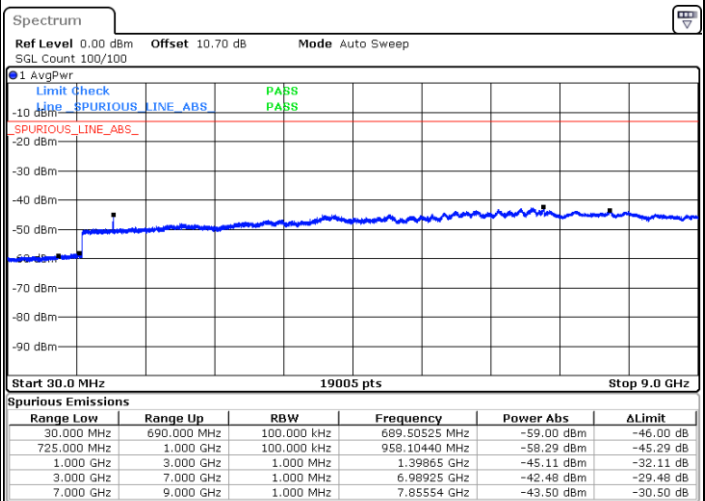
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 19.SEP.2017 10:50:18

Lowest Channel / 16QAM

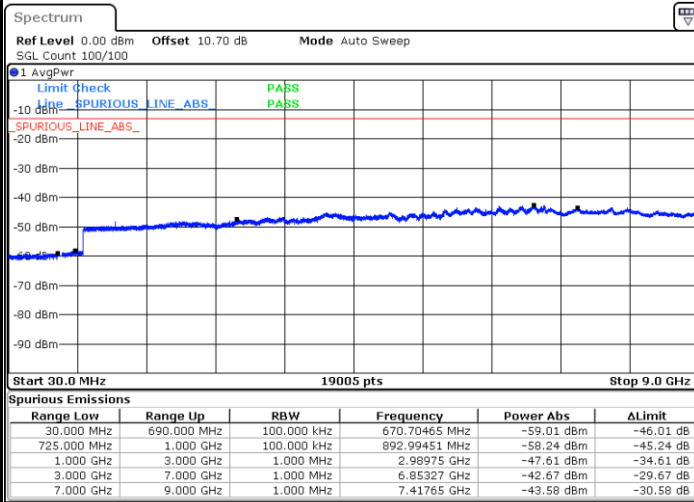


Date: 19.SEP.2017 10:51:12



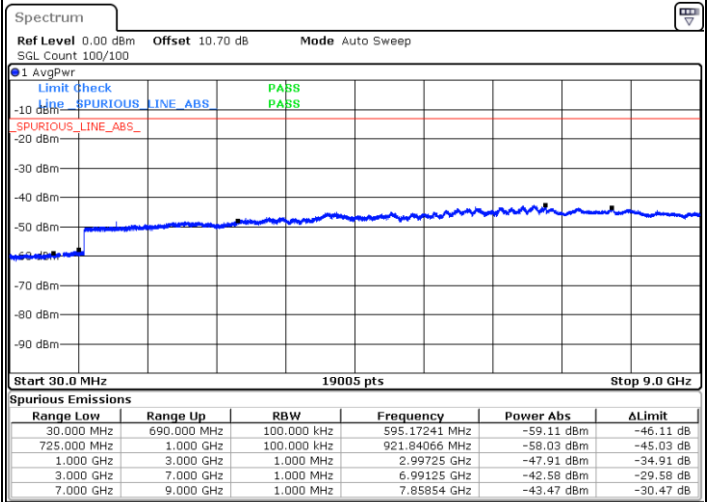
LTE Band 12 / 3MHz

Middle Channel / QPSK



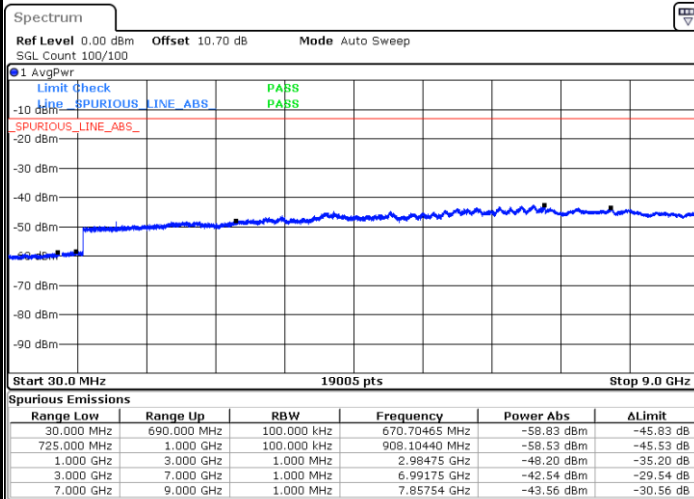
Date: 19.SEP.2017 10:53:39

Middle Channel / 16QAM



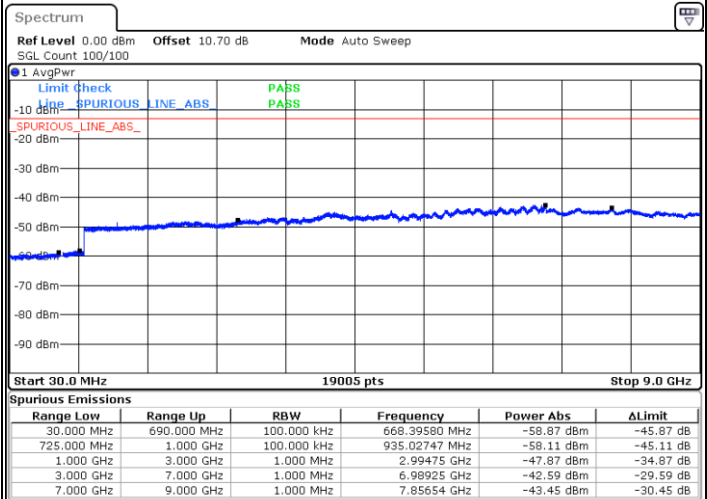
Date: 19.SEP.2017 10:52:46

Highest Channel / QPSK



Date: 19.SEP.2017 10:59:48

Highest Channel / 16QAM

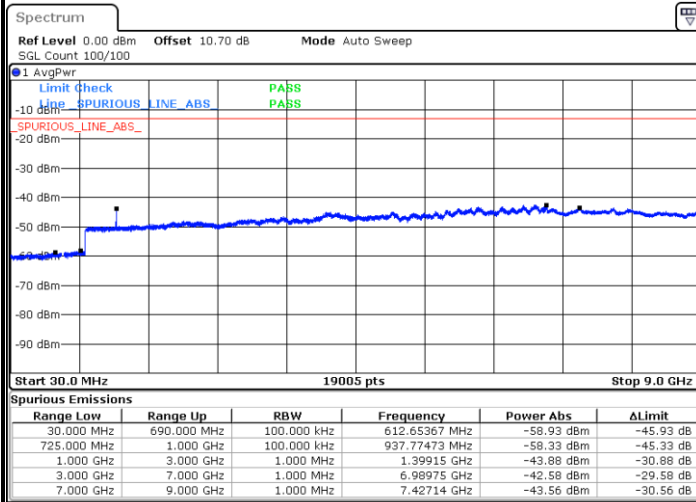


Date: 19.SEP.2017 11:00:42



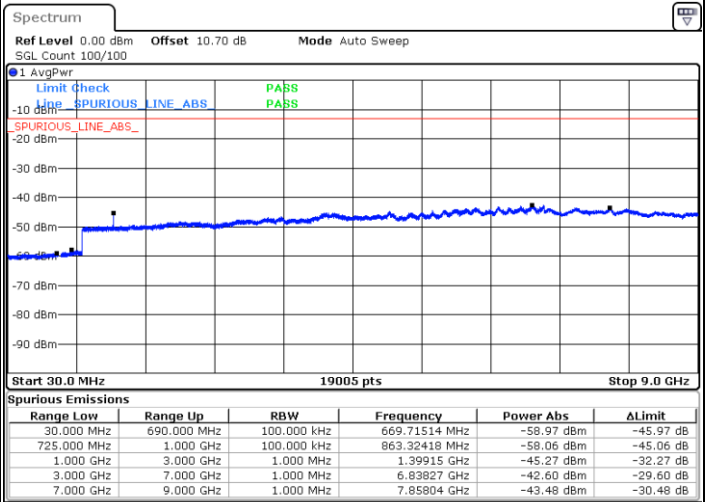
LTE Band 12 / 5MHz

Lowest Channel / QPSK



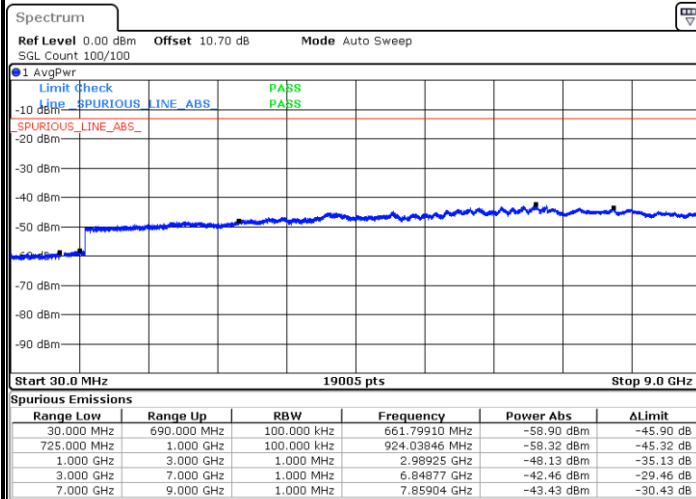
Date: 19.SEP.2017 11:06:50

Lowest Channel / 16QAM



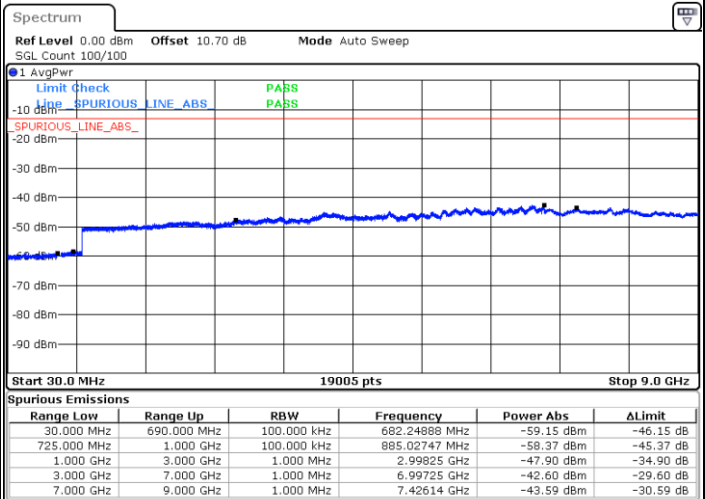
Date: 19.SEP.2017 11:07:44

Middle Channel / QPSK



Date: 19.SEP.2017 11:10:12

Middle Channel / 16QAM

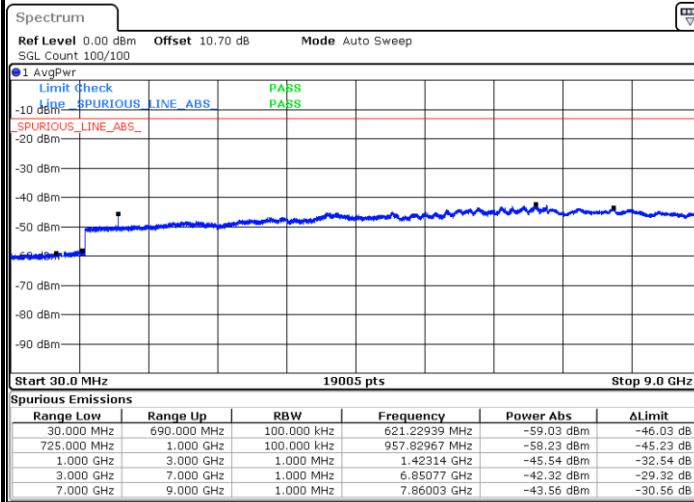


Date: 19.SEP.2017 11:09:18



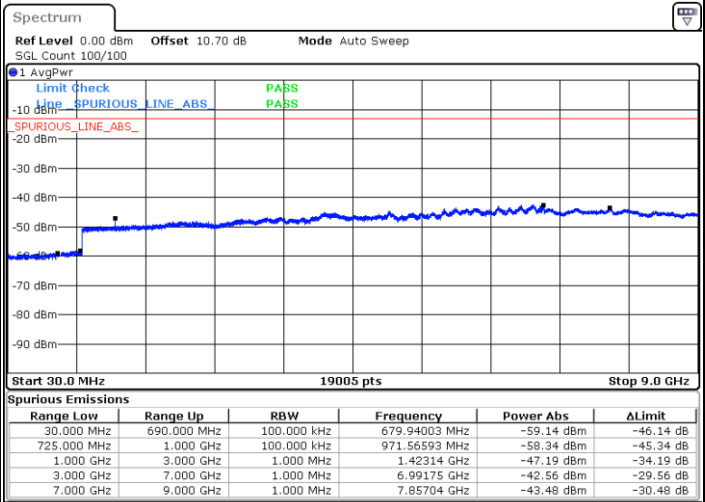
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 19.SEP.2017 11:19:24

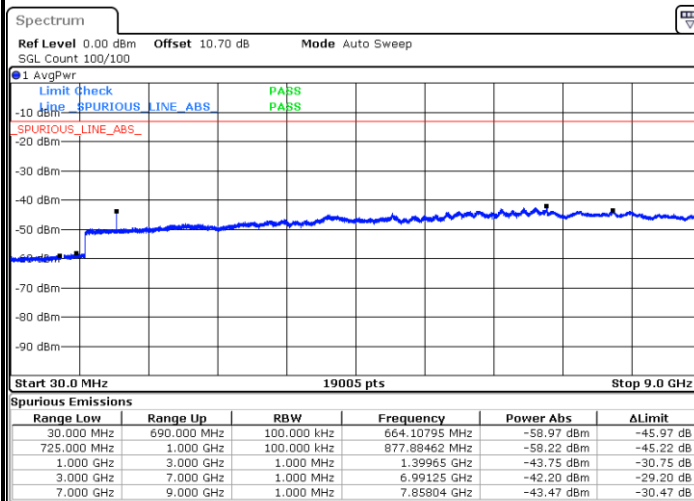
Highest Channel / 16QAM



Date: 19.SEP.2017 11:18:30

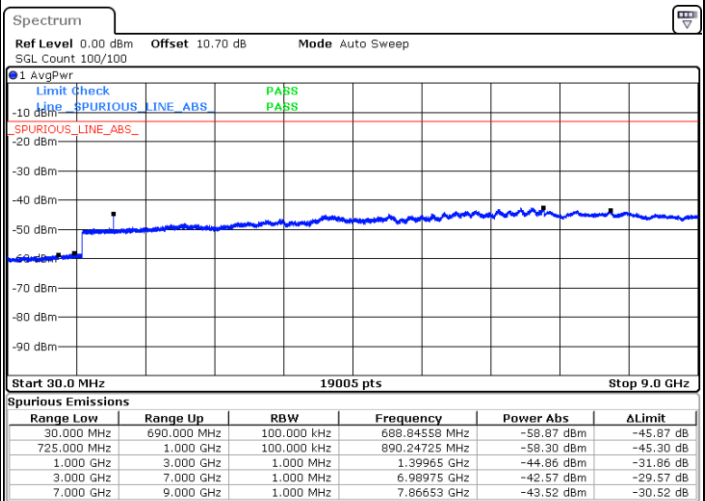
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 19.SEP.2017 11:50:02

Lowest Channel / 16QAM

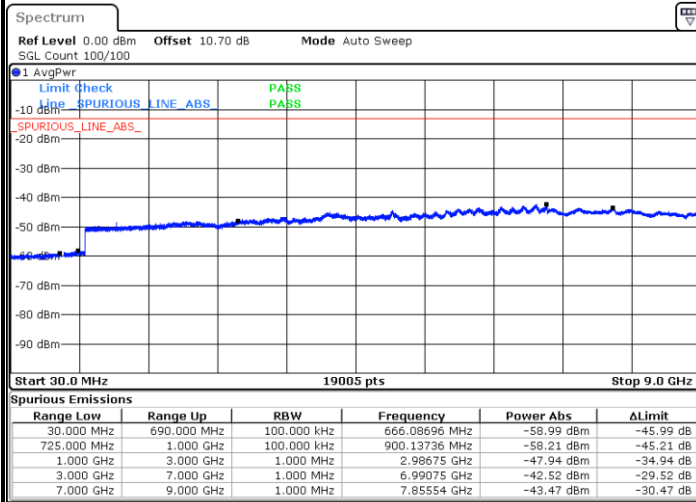


Date: 19.SEP.2017 11:50:55



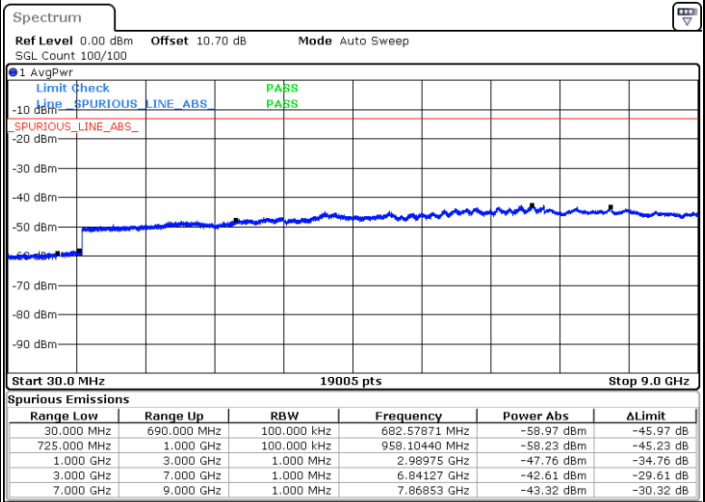
LTE Band 12 / 10MHz

Middle Channel / QPSK



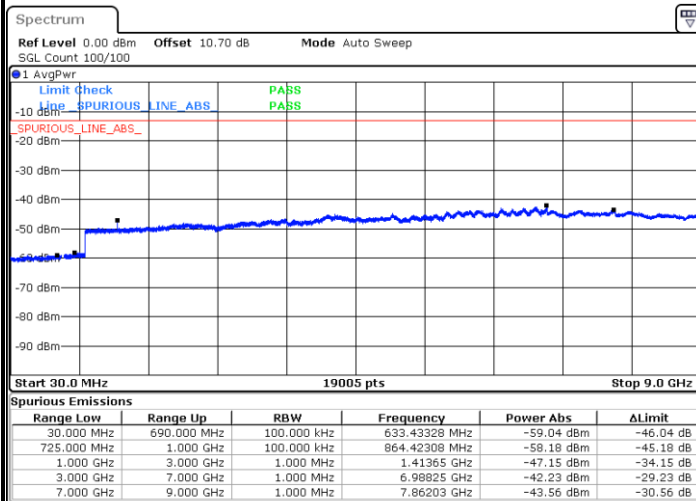
Date: 19 SEP 2017 11:53:23

Middle Channel / 16QAM



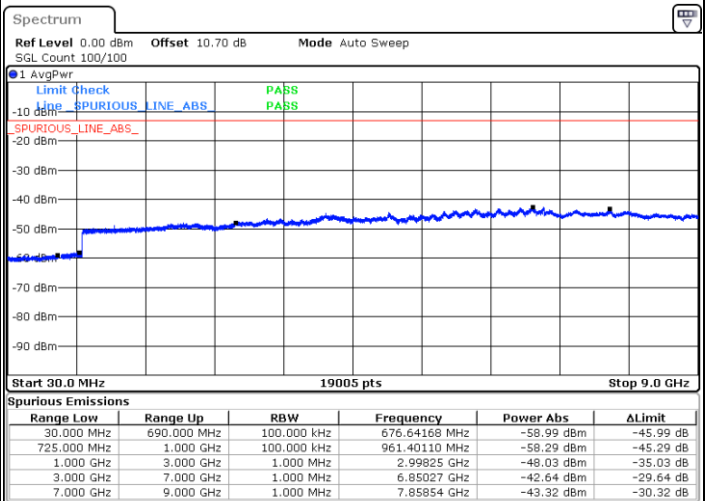
Date: 19 SEP 2017 11:52:29

Highest Channel / QPSK



Date: 19 SEP 2017 11:59:31

Highest Channel / 16QAM



Date: 19 SEP 2017 12:00:25

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0079	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0110	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0082	
-30	Normal Voltage	0.0082	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 17

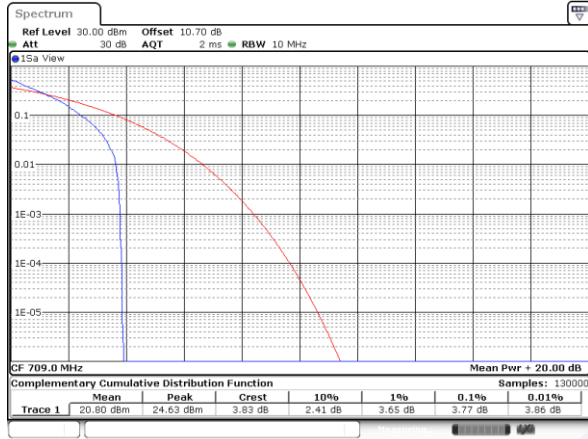
Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.77	4.7	4.67	5.71	PASS
Middle CH	4.03	4.87	4.49	5.8	
Highest CH	3.83	4.72	4.43	5.8	

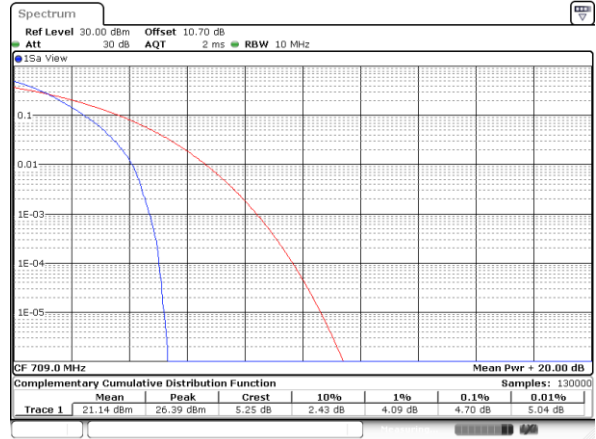


LTE Band 17 / 10MHz / QPSK

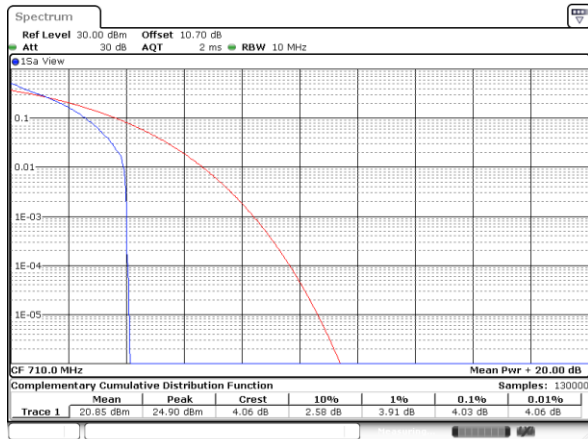
Lowest Channel / 1RB



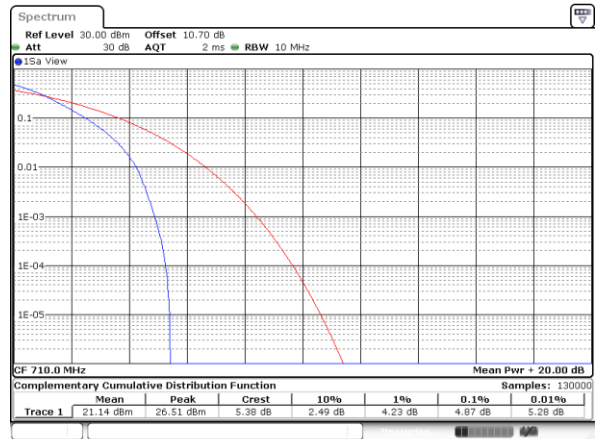
Lowest Channel / Full RB



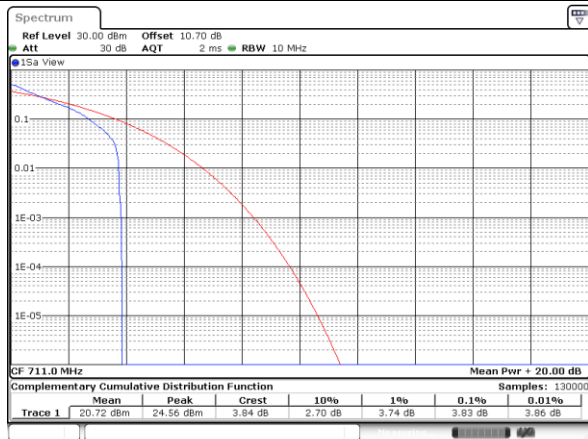
Middle Channel/ 1RB



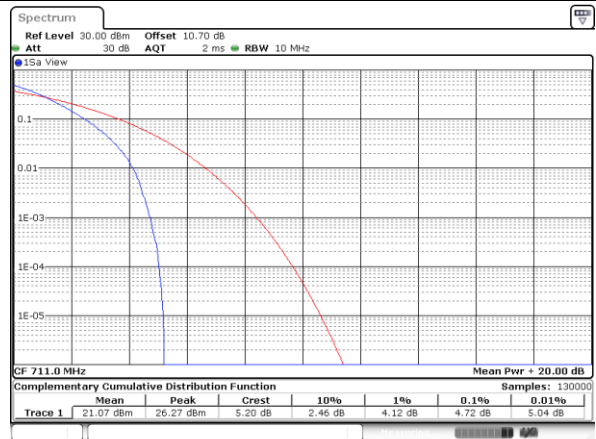
Middle Channel / Full RB



Highest Channel/ 1RB



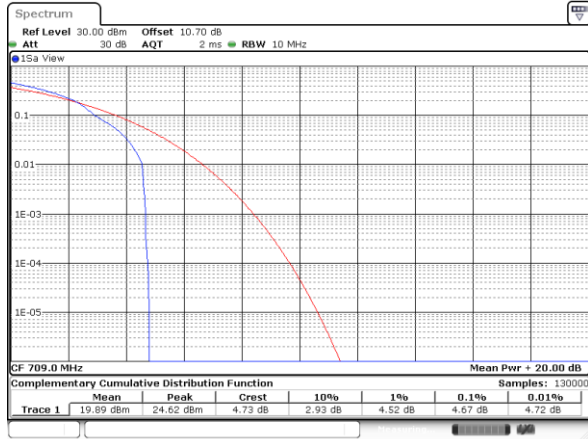
Highest Channel / Full RB



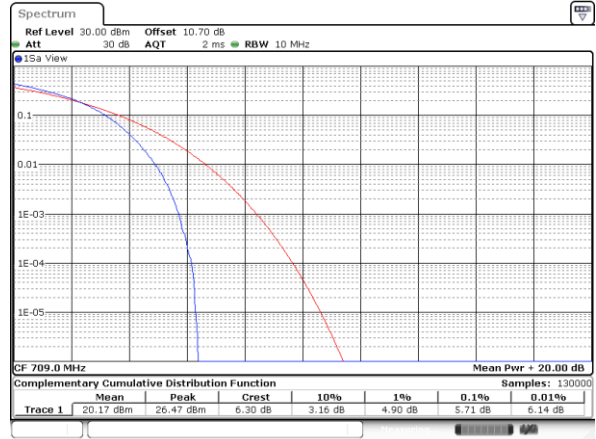


LTE Band 17 / 10MHz / 16QAM

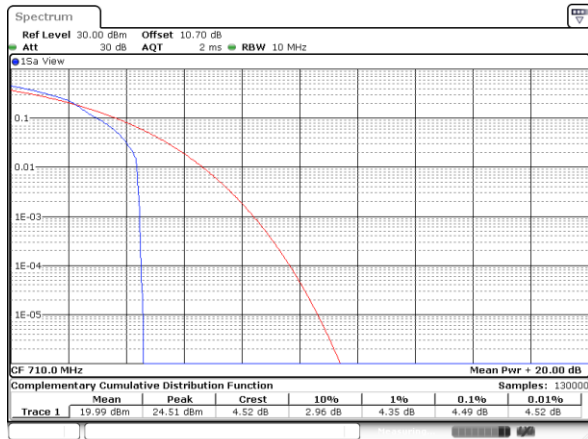
Lowest Channel / 1RB



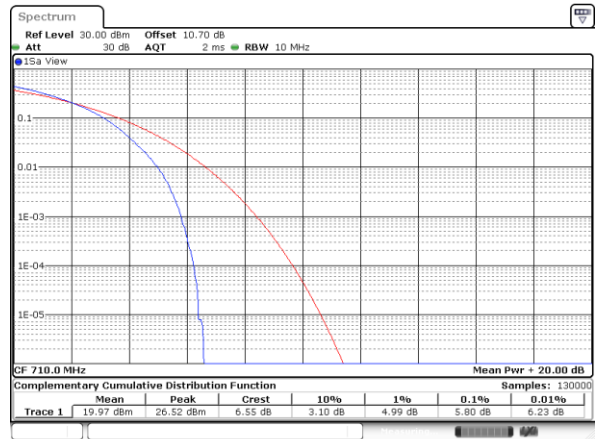
Lowest Channel / Full RB



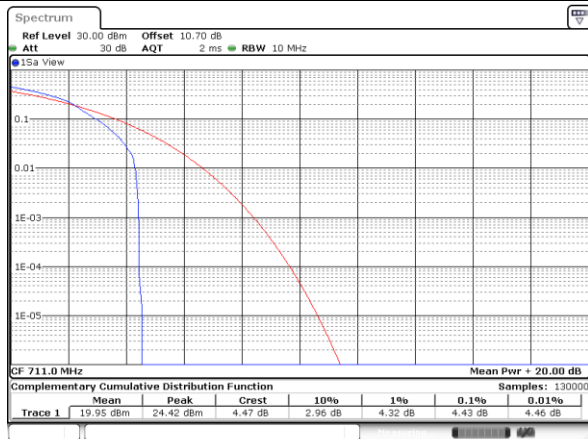
Middle Channel/ 1RB



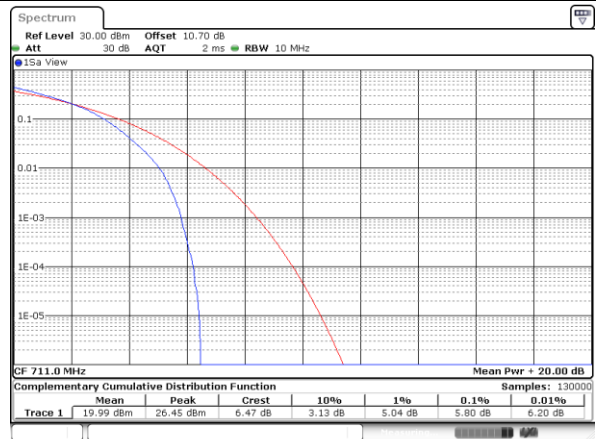
Middle Channel / Full RB



Highest Channel/ 1RB



Highest Channel / Full RB





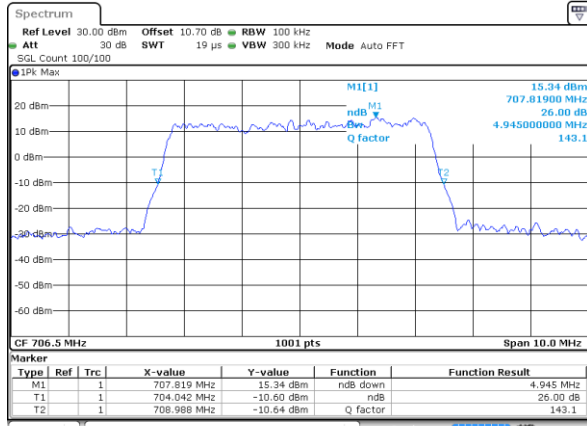
26dB Bandwidth

Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.95	4.91	9.61	9.65	-	-	-	-
Middle CH	-	-	-	-	4.95	4.86	9.65	9.79	-	-	-	-
Highest CH	-	-	-	-	4.90	4.95	9.87	9.85	-	-	-	-



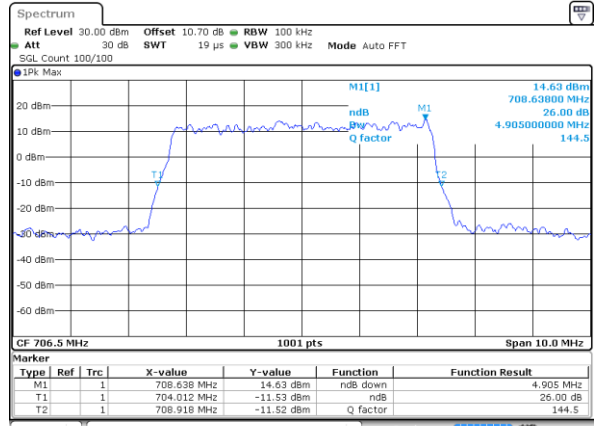
LTE Band 17

Lowest Channel / 5MHz / QPSK



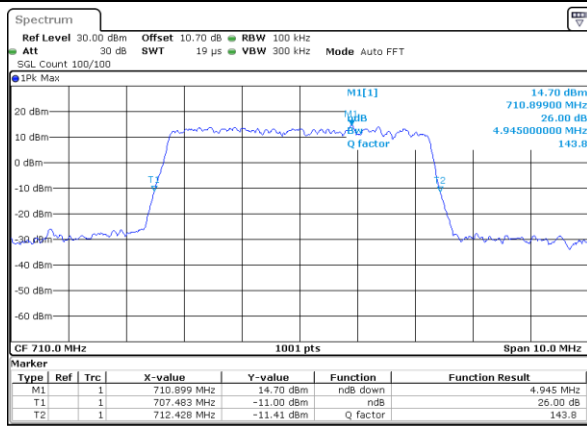
Date: 19 SEP 2017 11:42:21

Lowest Channel / 5MHz / 16QAM



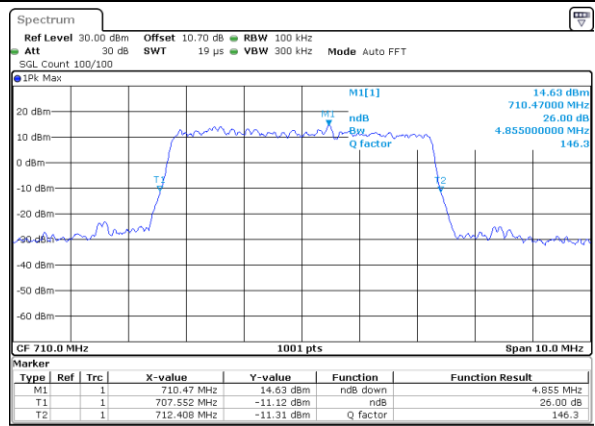
Date: 18 SEP 2017 11:28:45

Middle Channel / 5MHz / QPSK



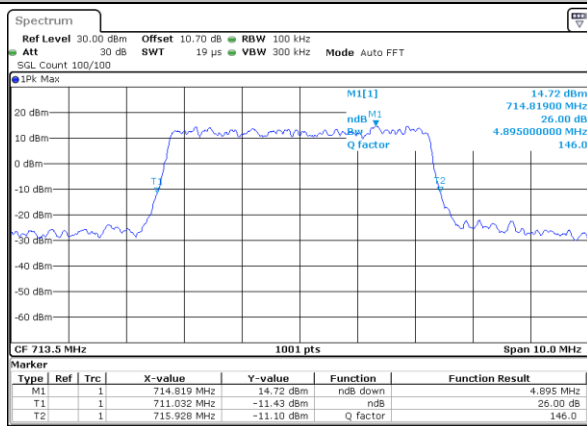
Date: 18 SEP 2017 11:35:37

Middle Channel / 5MHz / 16QAM



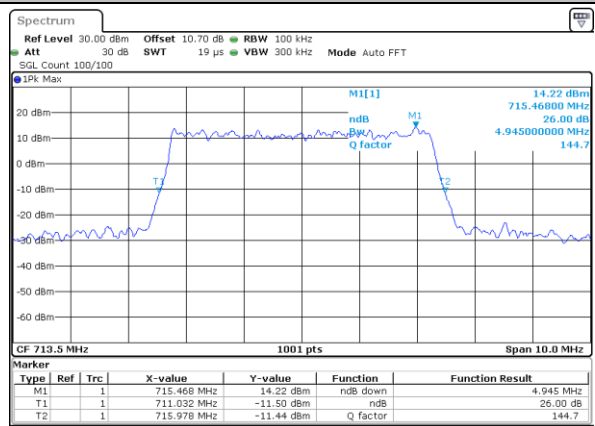
Date: 18 SEP 2017 11:35:47

Highest Channel / 5MHz / QPSK



Date: 18 SEP 2017 11:38:04

Highest Channel / 5MHz / 16QAM

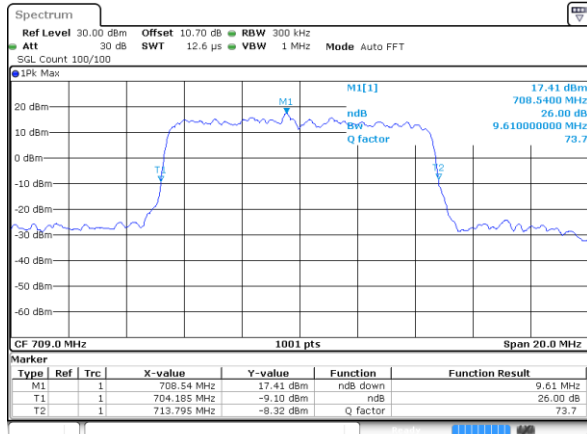


Date: 18 SEP 2017 11:38:14



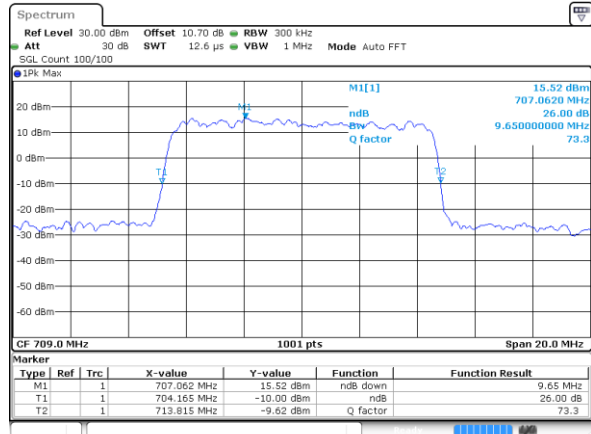
LTE Band 17

Lowest Channel / 10MHz / QPSK



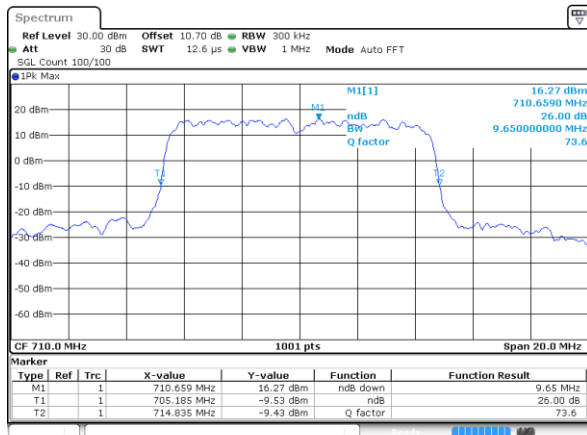
Date: 18 SEP 2017 11:45:07

Lowest Channel / 10MHz / 16QAM



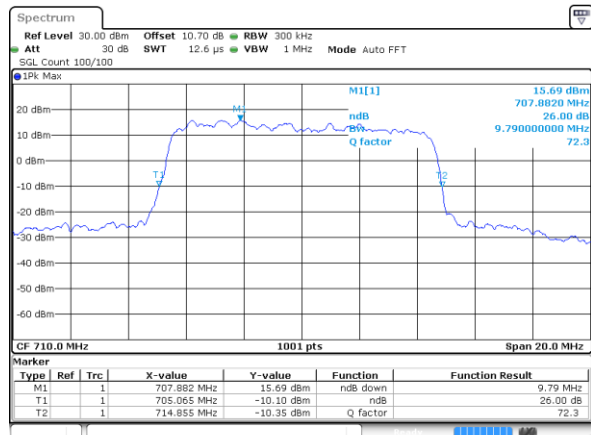
Date: 18 SEP 2017 11:45:17

Middle Channel / 10MHz / QPSK



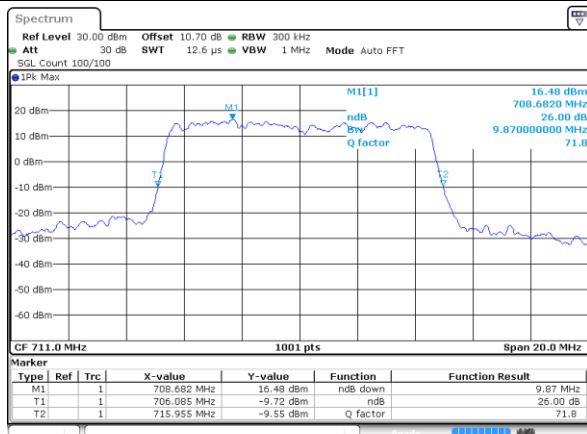
Date: 18 SEP 2017 11:52:09

Middle Channel / 10MHz / 16QAM



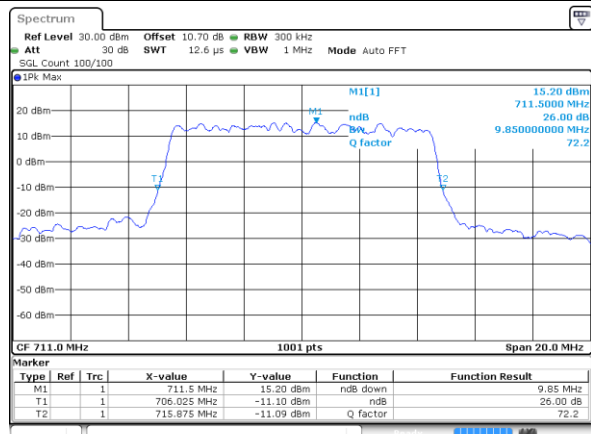
Date: 18 SEP 2017 11:52:19

Highest Channel / 10MHz / QPSK



Date: 18 SEP 2017 11:54:36

Highest Channel / 10MHz / 16QAM



Date: 18 SEP 2017 11:54:46



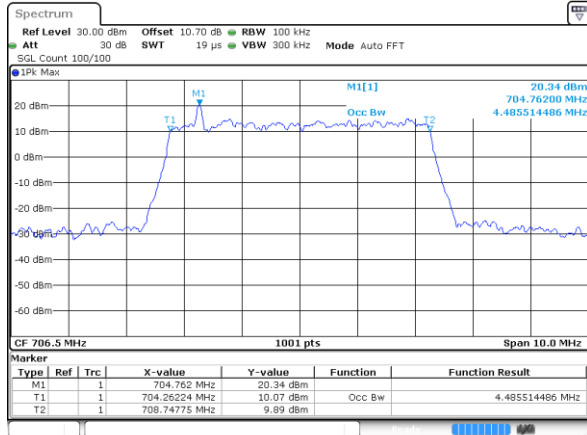
Occupied Bandwidth

Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.48	8.99	8.99	-	-	-	-
Middle CH	-	-	-	-	4.5	4.51	9.01	8.99	-	-	-	-
Highest CH	-	-	-	-	4.5	4.53	9.03	9.05	-	-	-	-



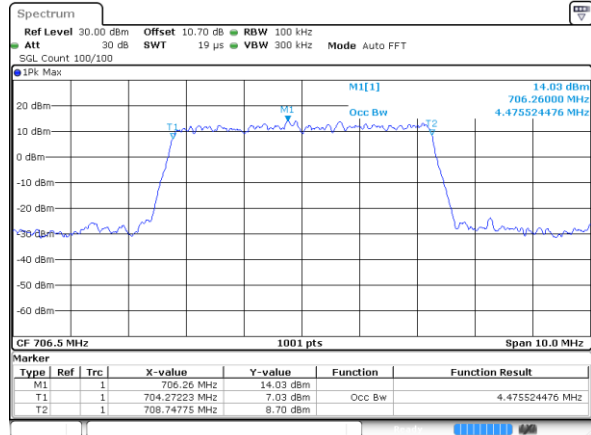
LTE Band 17

Lowest Channel / 5MHz / QPSK



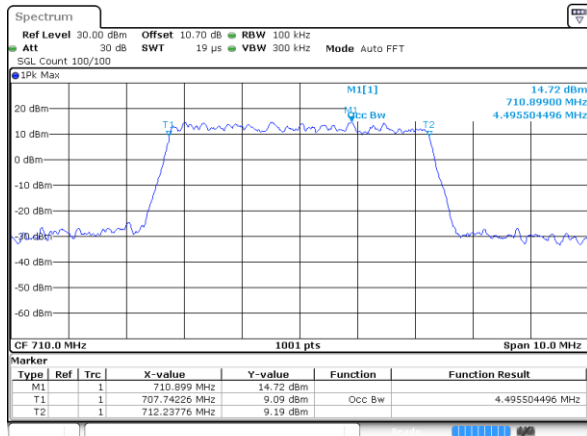
Date: 19 SEP 2017 11:38:19

Lowest Channel / 5MHz / 16QAM



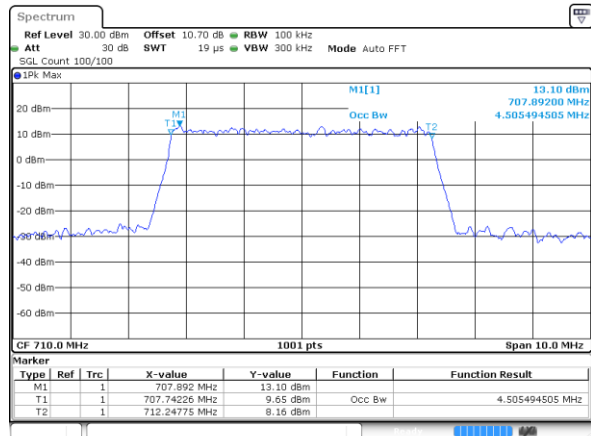
Date: 19 SEP 2017 11:42:11

Middle Channel / 5MHz / QPSK



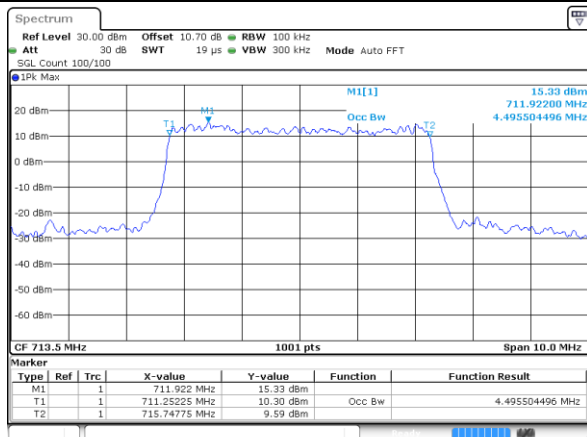
Date: 18 SEP 2017 11:35:17

Middle Channel / 5MHz / 16QAM



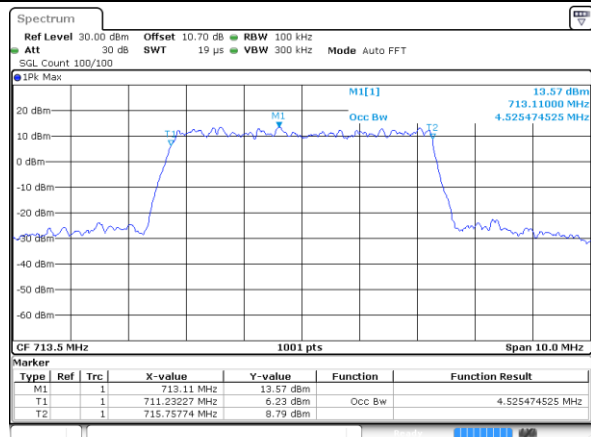
Date: 18 SEP 2017 11:35:27

Highest Channel / 5MHz / QPSK



Date: 18 SEP 2017 11:37:44

Highest Channel / 5MHz / 16QAM

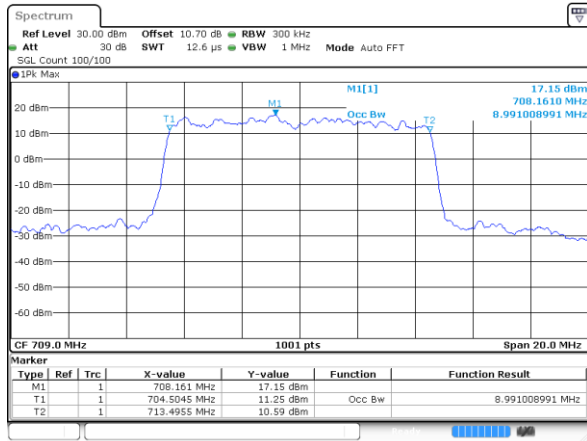


Date: 18 SEP 2017 11:37:54



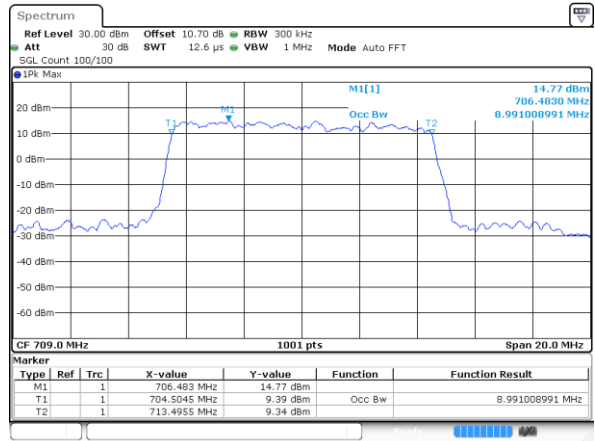
LTE Band 17

Lowest Channel / 10MHz / QPSK



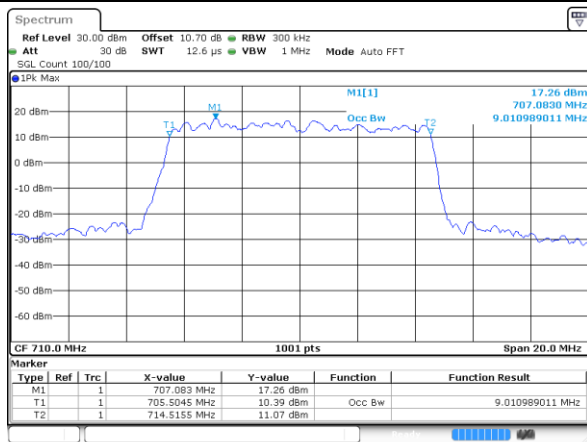
Date: 18 SEP 2017 11:44:47

Lowest Channel / 10MHz / 16QAM



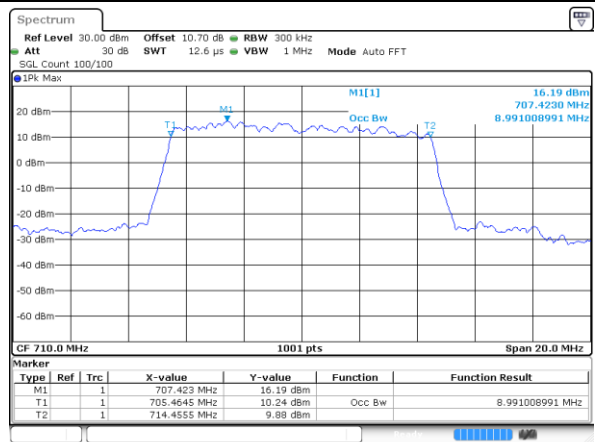
Date: 18 SEP 2017 11:44:57

Middle Channel / 10MHz / QPSK



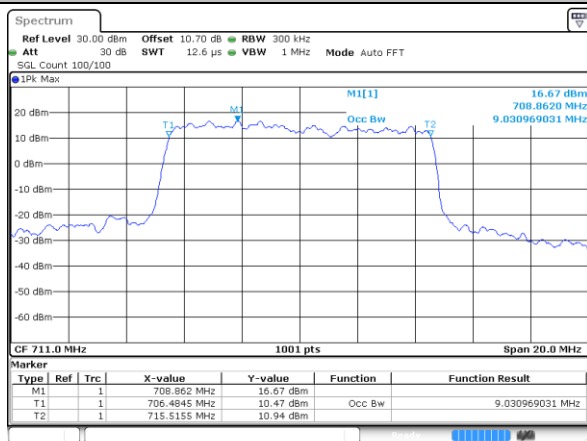
Date: 18 SEP 2017 11:51:49

Middle Channel / 10MHz / 16QAM



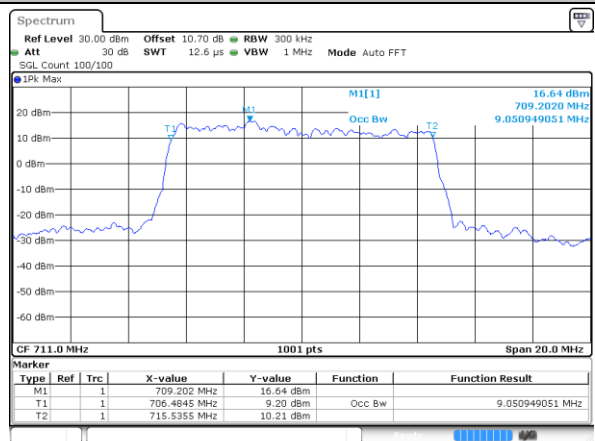
Date: 18 SEP 2017 11:51:59

Highest Channel / 10MHz / QPSK



Date: 18 SEP 2017 11:54:16

Highest Channel / 10MHz / 16QAM



Date: 18 SEP 2017 11:54:26

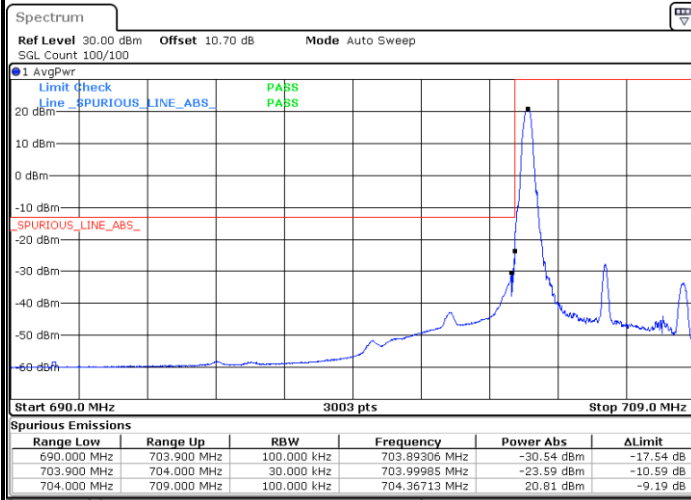


Conducted Band Edge

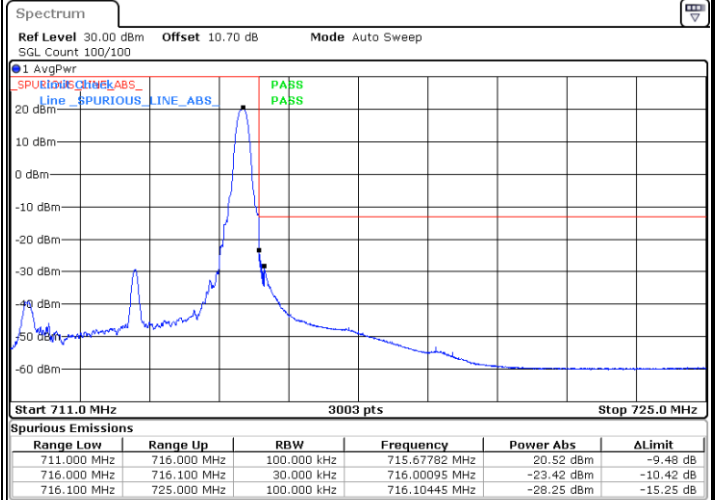


LTE Band 17 / 5MHz / QPSK

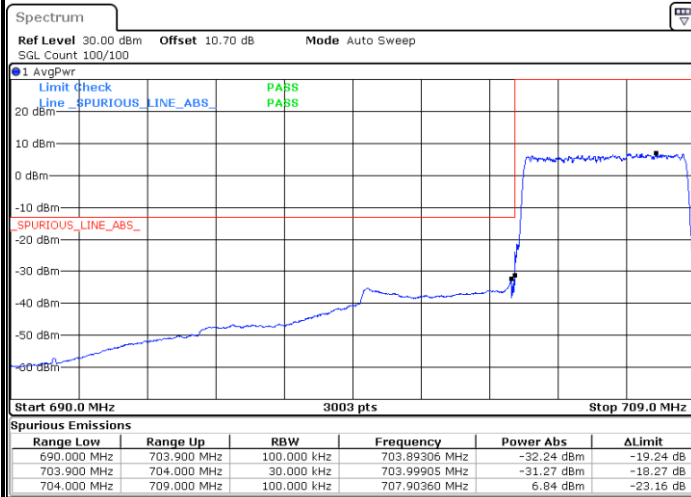
Lowest Band Edge / 1 RB



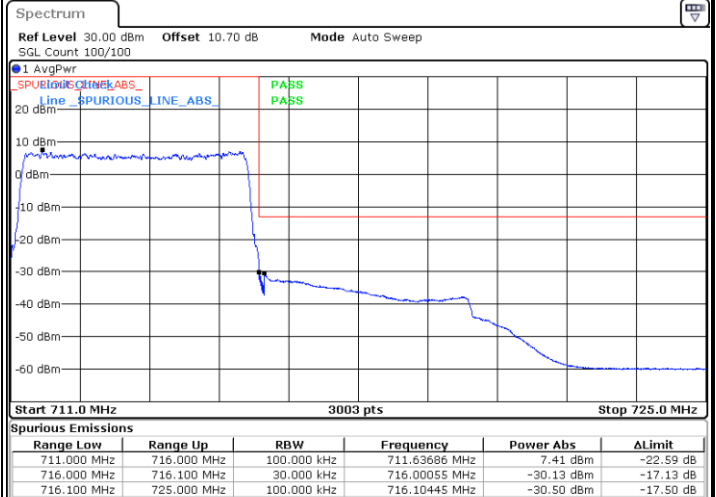
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



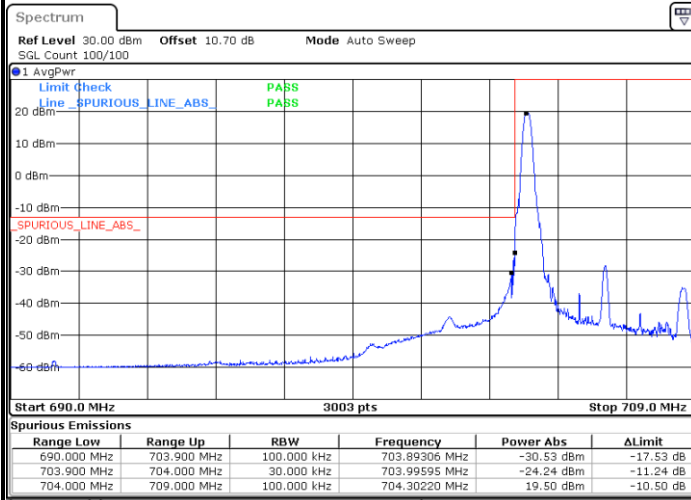
Highest Band Edge / Full RB



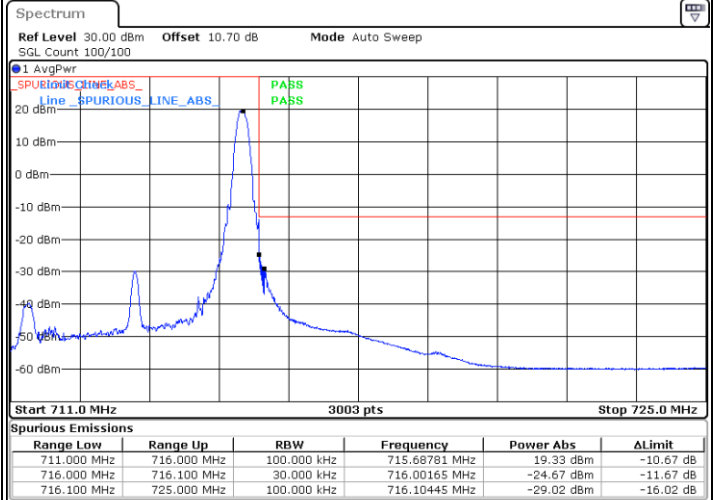


LTE Band 17 / 5MHz / 16QAM

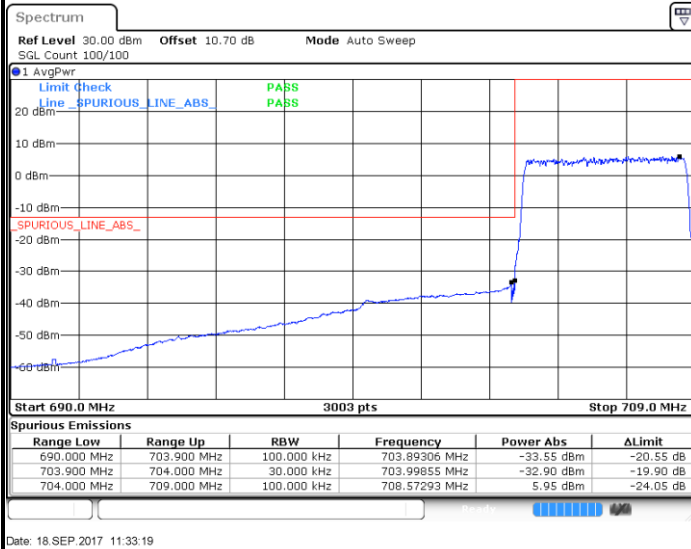
Lowest Band Edge / 1 RB



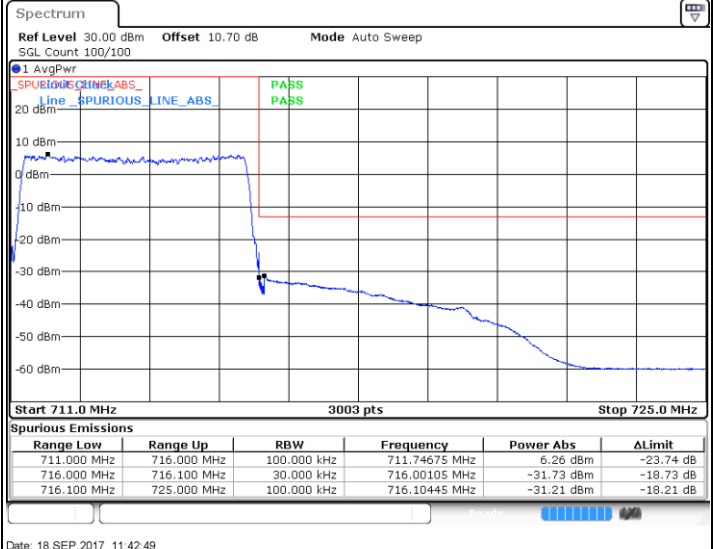
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



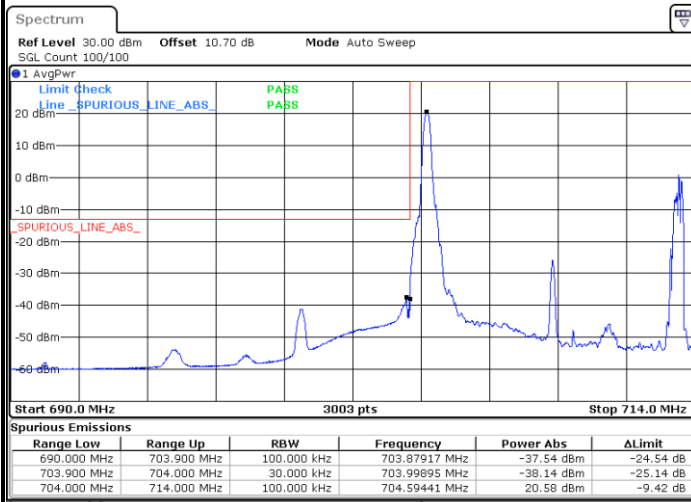
Highest Band Edge / Full RB



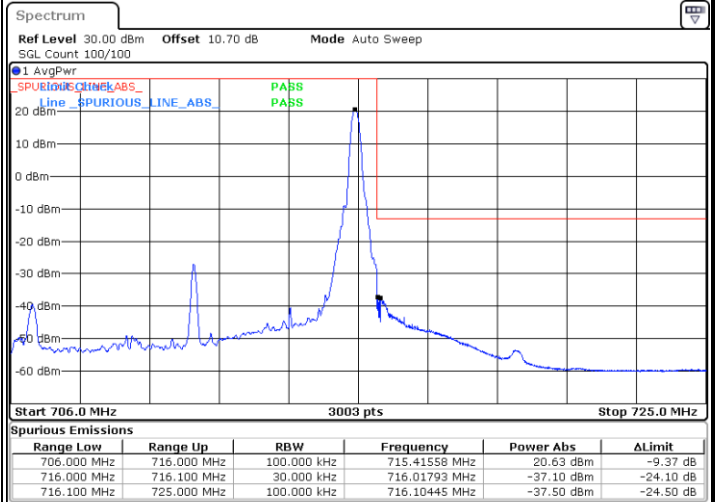


LTE Band 17 / 10MHz / QPSK

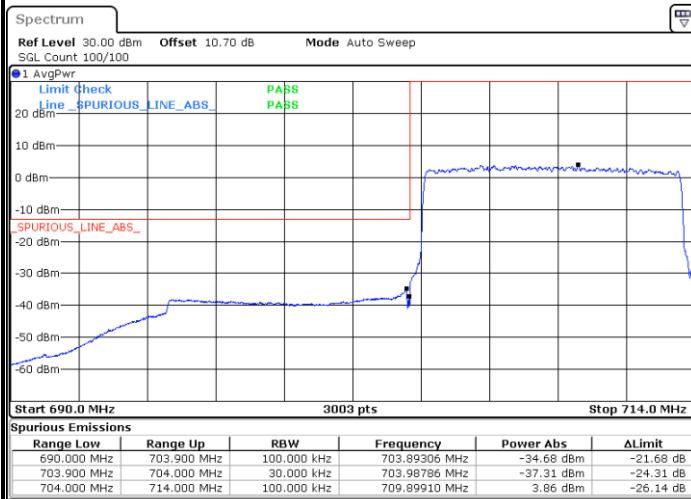
Lowest Band Edge / 1 RB



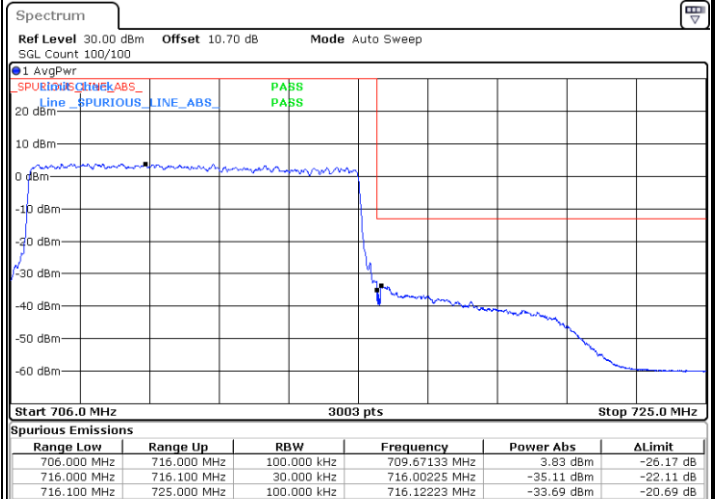
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



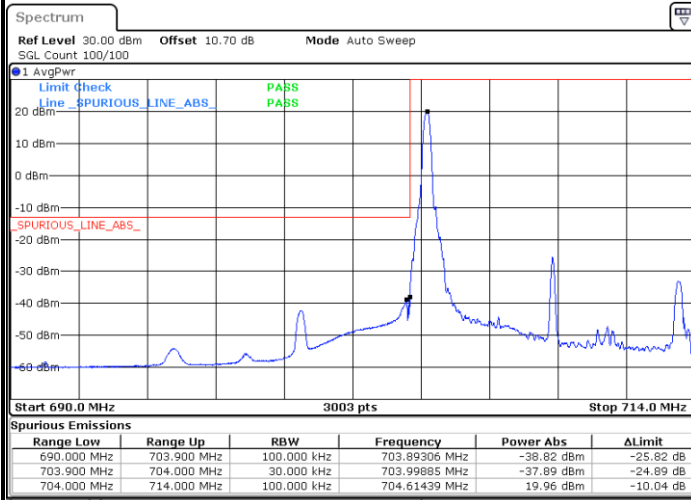
Highest Band Edge / Full RB



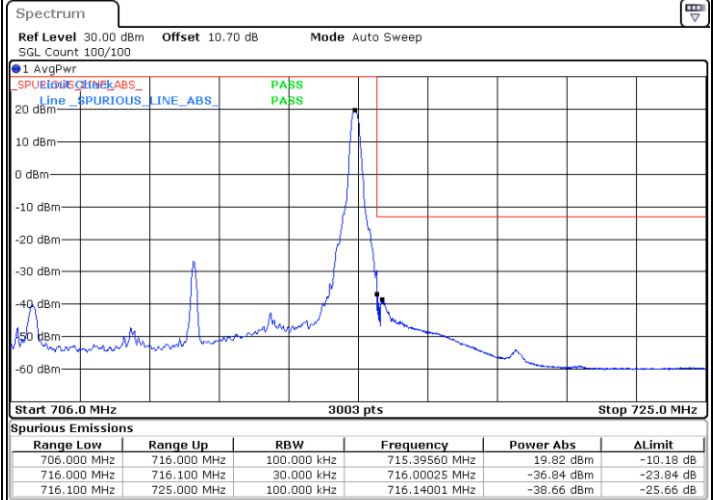


LTE Band 17 / 10MHz / 16QAM

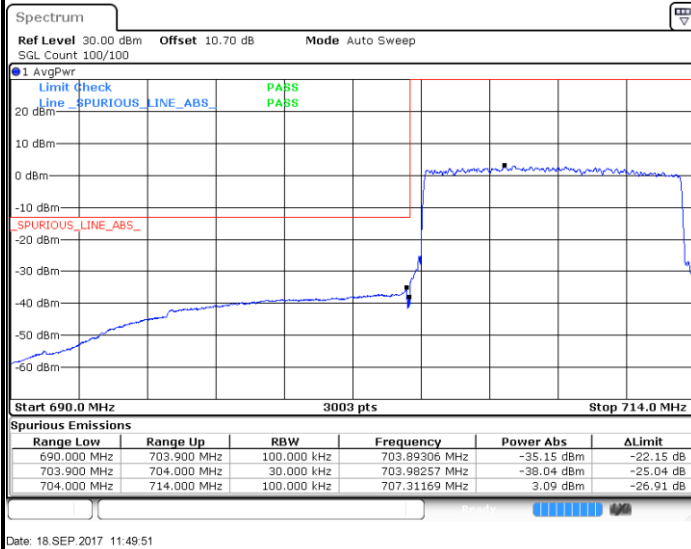
Lowest Band Edge / 1 RB



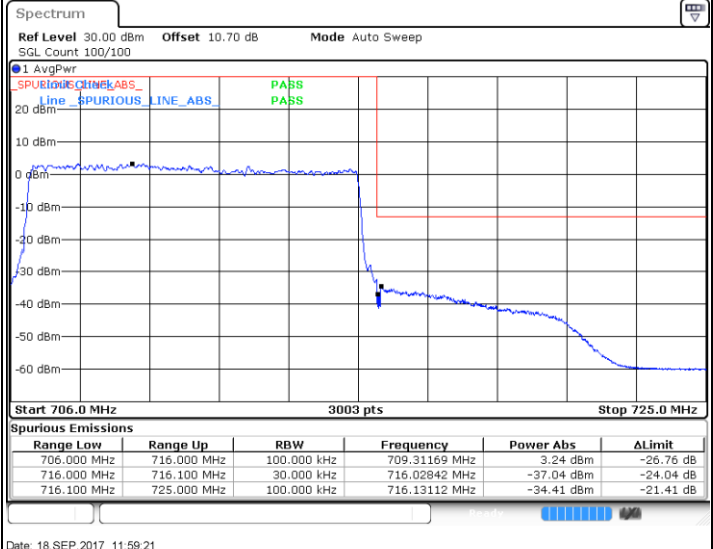
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



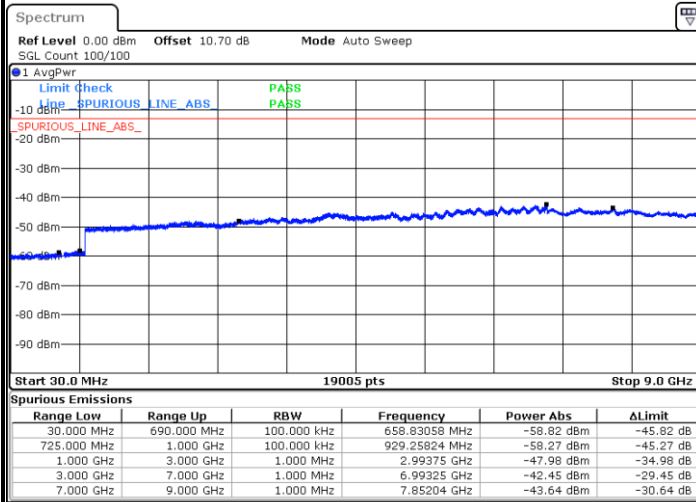


Conducted Spurious Emission



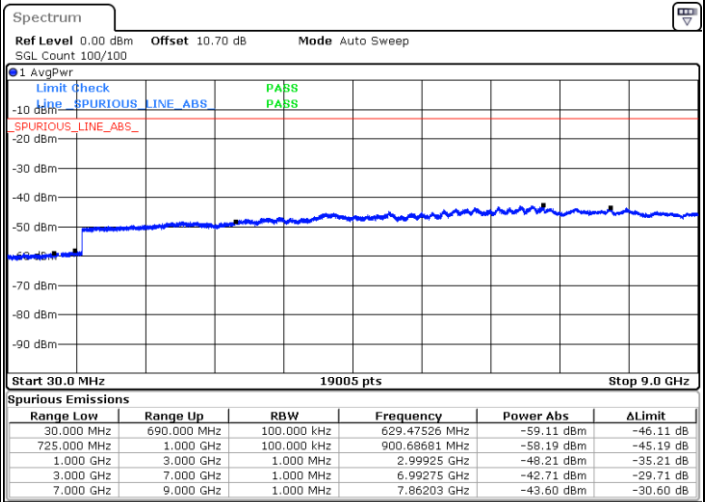
LTE Band 17 / 5MHz

Lowest Channel / QPSK



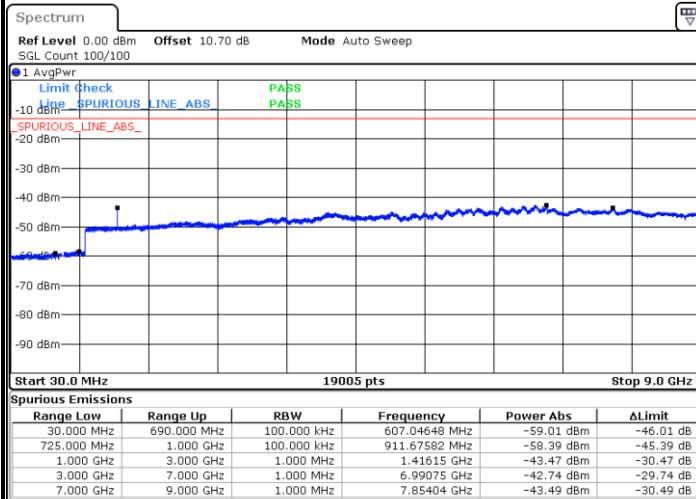
Date: 18 SEP. 2017 11:34:13

Lowest Channel / 16QAM



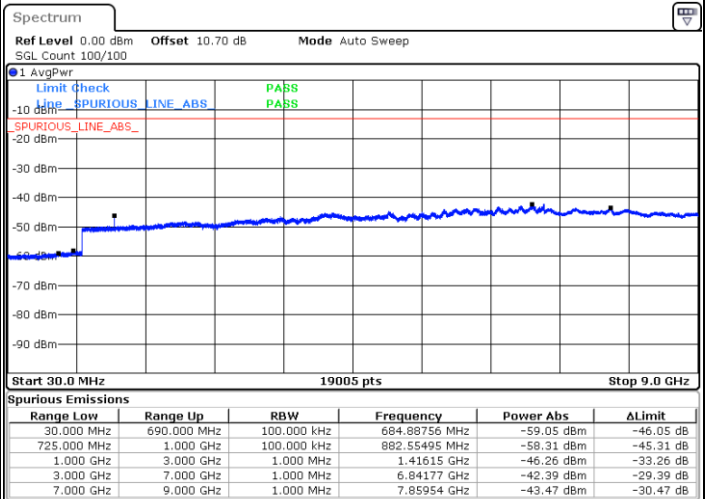
Date: 18 SEP. 2017 11:35:07

Middle Channel / QPSK



Date: 18 SEP. 2017 11:36:41

Middle Channel / 16QAM

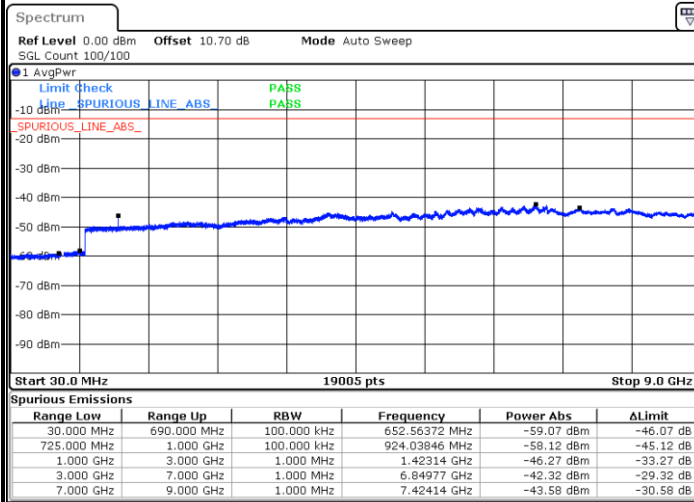


Date: 18 SEP. 2017 11:37:35



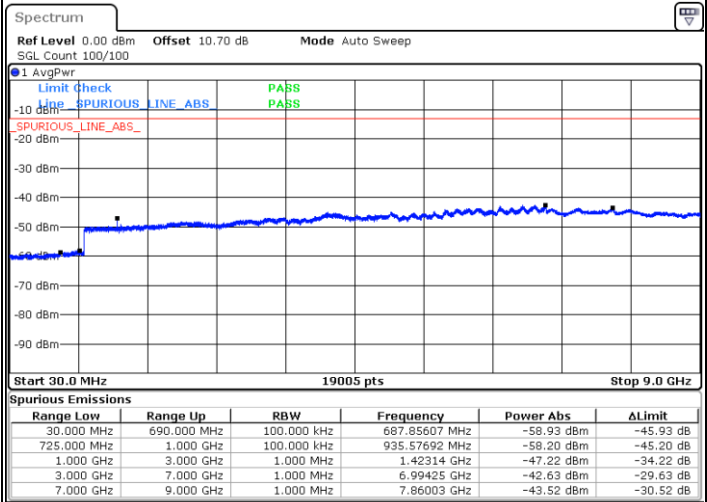
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 18 SEP 2017 11:43:43

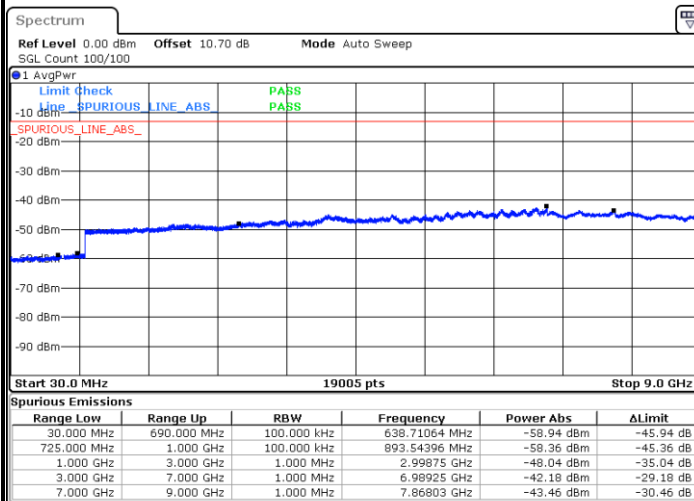
Highest Channel / 16QAM



Date: 18 SEP 2017 11:44:37

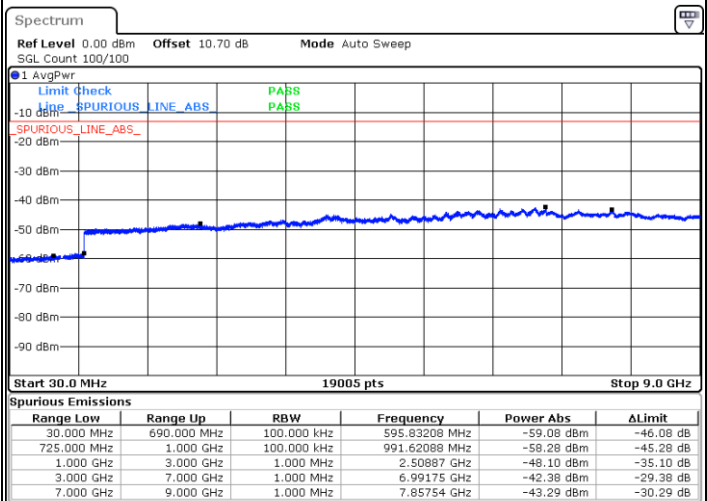
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 18 SEP 2017 11:50:45

Lowest Channel / 16QAM

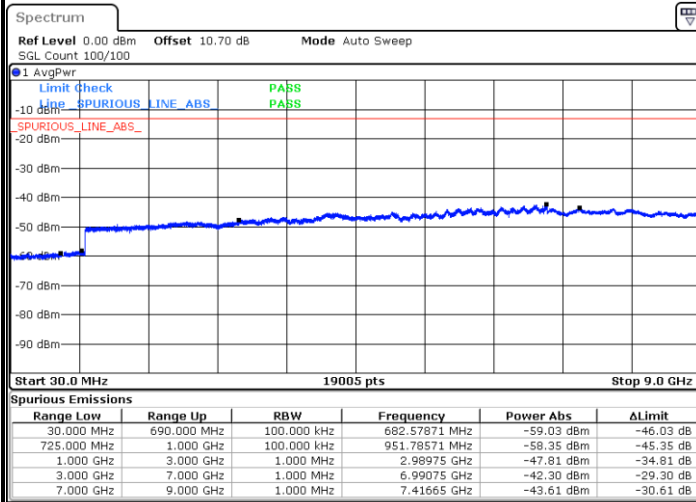


Date: 18 SEP 2017 11:51:39



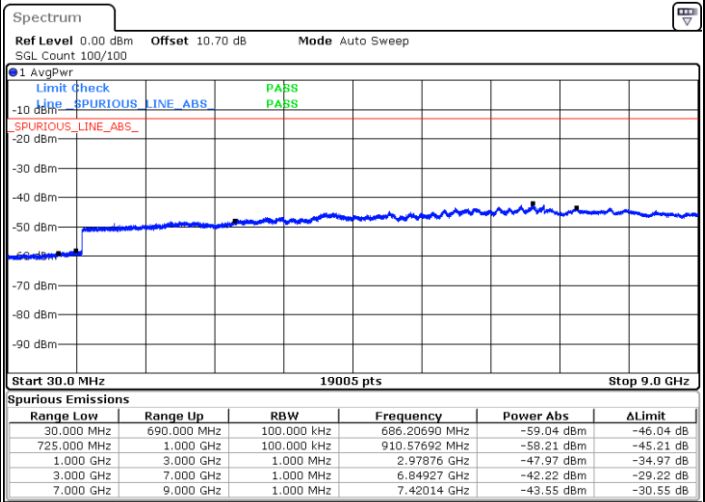
LTE Band 17 / 10MHz

Middle Channel / QPSK



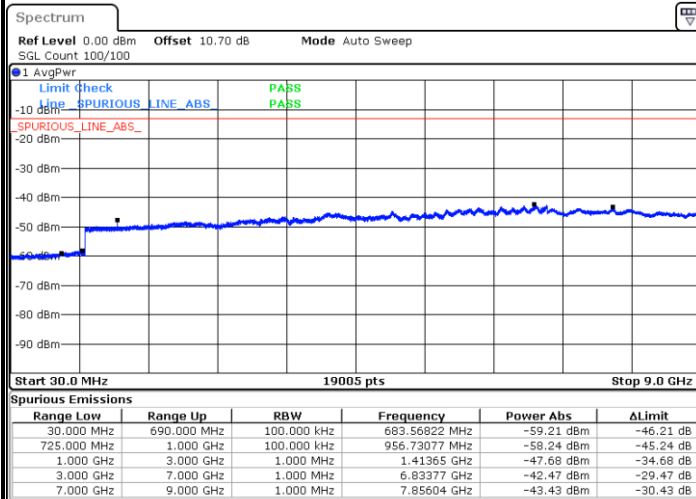
Date: 18 SEP. 2017 11:53:13

Middle Channel / 16QAM



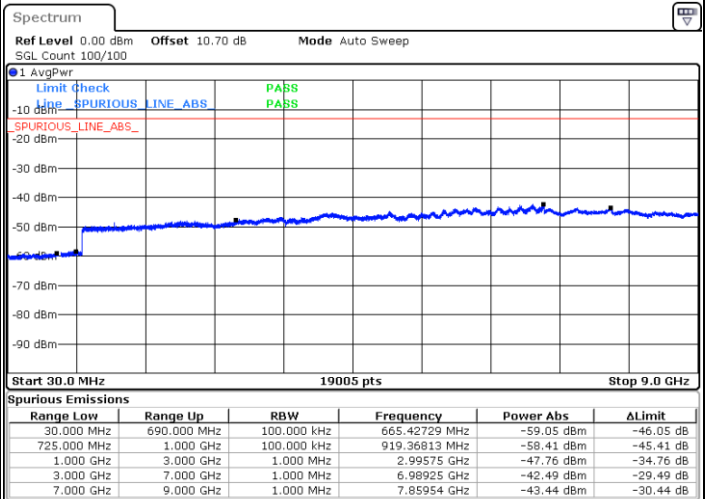
Date: 18 SEP. 2017 11:54:06

Highest Channel / QPSK



Date: 18 SEP. 2017 12:00:15

Highest Channel / 16QAM



Date: 18 SEP. 2017 12:01:09

Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0054	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0037	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0049	
-20	Normal Voltage	0.0077	
-30	Normal Voltage	0.0056	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0087	

Note:

1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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 = 1.17 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	23.37	0.2173	24.54	0.2844
Middle		3	0	23.45	0.2213	24.62	0.2897
Highest		3	0	23.22	0.2099	24.39	0.2748
Lowest	16QAM	3	1	22.75	0.1884	23.92	0.2466
Middle		3	1	22.56	0.1803	23.73	0.2360
Highest		3	1	22.50	0.1778	23.67	0.2328
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 1.17 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.34	0.2158	24.51	0.2825
Middle		1	0	23.43	0.2203	24.60	0.2884
Highest		1	0	23.43	0.2203	24.60	0.2884
Lowest	16QAM	1	14	22.58	0.1811	23.75	0.2371
Middle		1	14	22.40	0.1738	23.57	0.2275
Highest		1	14	22.73	0.1875	23.90	0.2455
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 1.17 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.26	0.2118	24.43	0.2773
Middle		1	12	23.56	0.2270	24.73	0.2972
Highest		1	12	23.50	0.2239	24.67	0.2931
Lowest	16QAM	1	24	23.00	0.1995	24.17	0.2612
Middle		1	24	22.75	0.1884	23.92	0.2466
Highest		1	24	22.17	0.1648	23.34	0.2158
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 1.17 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	23.60	0.2291	24.77	0.2999
Middle		1	25	23.60	0.2291	24.77	0.2999
Highest		1	25	23.57	0.2275	24.74	0.2979
Lowest	16QAM	1	25	22.71	0.1866	23.88	0.2443
Middle		1	25	22.26	0.1683	23.43	0.2203
Highest		1	25	22.78	0.1897	23.95	0.2483
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 1.17 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.38	0.2178	24.55	0.2851
Middle		1	0	23.55	0.2265	24.72	0.2965
Highest		1	0	23.64	0.2312	24.81	0.3027
Lowest	16QAM	1	0	22.47	0.1766	23.64	0.2312
Middle		1	0	22.81	0.1910	23.98	0.2500
Highest		1	0	22.65	0.1841	23.82	0.2410
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 1.17 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.59	0.2286	24.76	0.2992
Middle		1	0	23.65	0.2317	24.82	0.3034
Highest		1	0	23.61	0.2296	24.78	0.3006
Lowest	16QAM	1	49	22.96	0.1977	24.13	0.2588
Middle		1	49	22.72	0.1871	23.89	0.2449
Highest		1	49	22.96	0.1977	24.13	0.2588
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 0.27 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	22.51	0.1782	22.78	0.1897
Middle		3	1	22.30	0.1698	22.57	0.1807
Highest		3	1	22.18	0.1652	22.45	0.1758
Lowest	16QAM	1	3	21.92	0.1556	22.19	0.1656
Middle		1	3	21.39	0.1377	21.66	0.1466
Highest		1	3	21.87	0.1538	22.14	0.1637
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 0.27 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.46	0.1762	22.73	0.1875
Middle		1	0	22.34	0.1714	22.61	0.1824
Highest		1	0	22.23	0.1671	22.50	0.1778
Lowest	16QAM	1	0	21.52	0.1419	21.79	0.1510
Middle		1	0	21.63	0.1455	21.90	0.1549
Highest		1	0	21.68	0.1472	21.95	0.1567
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 0.27 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.53	0.1791	22.80	0.1905
Middle		1	0	22.15	0.1641	22.42	0.1746
Highest		1	0	22.33	0.1710	22.60	0.1820
Lowest	16QAM	1	12	21.38	0.1374	21.65	0.1462
Middle		1	12	21.49	0.1409	21.76	0.1500
Highest		1	12	21.68	0.1472	21.95	0.1567
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 0.27 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	22.39	0.1734	22.66	0.1845
Middle		1	25	22.43	0.1750	22.70	0.1862
Highest		1	25	22.62	0.1828	22.89	0.1945
Lowest	16QAM	1	25	21.38	0.1374	21.65	0.1462
Middle		1	25	21.27	0.1340	21.54	0.1426
Highest		1	25	21.93	0.1560	22.20	0.1660
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 0.27 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.64	0.1837	22.91	0.1954
Middle		1	0	22.57	0.1807	22.84	0.1923
Highest		1	0	22.41	0.1742	22.68	0.1854
Lowest	16QAM	1	0	21.96	0.1570	22.23	0.1671
Middle		1	0	21.85	0.1531	22.12	0.1629
Highest		1	0	21.95	0.1567	22.22	0.1667
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 0.27 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.53	0.1791	22.80	0.1905
Middle		1	0	22.65	0.1841	22.92	0.1959
Highest		1	0	22.62	0.1828	22.89	0.1945
Lowest	16QAM	1	0	21.83	0.1524	22.10	0.1622
Middle		1	0	21.72	0.1486	21.99	0.1581
Highest		1	0	21.58	0.1439	21.85	0.1531
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = -0.84 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	23.99	0.2506	21.00	0.1259
Middle		3	1	23.83	0.2415	20.84	0.1213
Highest		3	1	23.96	0.2489	20.97	0.1250
Lowest	16QAM	1	5	22.95	0.1972	19.96	0.0991
Middle		1	5	22.76	0.1888	19.77	0.0948
Highest		1	5	22.99	0.1991	20.00	0.1000
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -0.84 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.76	0.2377	20.77	0.1194
Middle		1	0	24.00	0.2512	21.01	0.1262
Highest		1	0	23.94	0.2477	20.95	0.1245
Lowest	16QAM	1	8	22.85	0.1928	19.86	0.0968
Middle		1	8	22.98	0.1986	19.99	0.0998
Highest		1	8	22.92	0.1959	19.93	0.0984
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -0.84 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.85	0.2427	20.86	0.1219
Middle		1	0	23.98	0.2500	20.99	0.1256
Highest		1	0	23.91	0.2460	20.92	0.1236
Lowest	16QAM	1	0	22.92	0.1959	19.93	0.0984
Middle		1	0	22.86	0.1932	19.87	0.0971
Highest		1	0	22.79	0.1901	19.80	0.0955
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = -0.84 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.95	0.2483	20.96	0.1247
Middle		1	0	24.00	0.2512	21.01	0.1262
Highest		1	0	23.96	0.2489	20.97	0.1250
Lowest	16QAM	1	0	22.81	0.1910	19.82	0.0959
Middle		1	0	22.95	0.1972	19.96	0.0991
Highest		1	0	22.89	0.1945	19.90	0.0977
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = 1.27 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	12.00	22.18	0.1652	23.45	0.2213
Middle		1.00	12.00	22.18	0.1652	23.45	0.2213
Highest		1.00	12.00	22.20	0.1660	23.47	0.2223
Lowest	16QAM	1.00	0.00	21.23	0.1327	22.50	0.1778
Middle		1.00	0.00	21.07	0.1279	22.34	0.1714
Highest		1.00	0.00	21.30	0.1349	22.57	0.1807
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = 1.27 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	25	22.18	0.1652	23.45	0.2213
Middle		1.00	25	22.04	0.1600	23.31	0.2143
Highest		1.00	25	22.02	0.1592	23.29	0.2133
Lowest	16QAM	1.00	0.00	21.30	0.1349	22.57	0.1807
Middle		1.00	0.00	21.29	0.1346	22.56	0.1803
Highest		1.00	0.00	21.06	0.1276	22.33	0.1710
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = 1.27 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	22.10	0.1622	23.37	0.2173
Middle		1.00	0.00	22.11	0.1626	23.38	0.2178
Highest		1.00	0.00	22.12	0.1629	23.39	0.2183
Lowest	16QAM	1.00	37.00	20.68	0.1169	21.95	0.1567
Middle		1.00	37.00	21.18	0.1312	22.45	0.1758
Highest		1.00	37.00	21.26	0.1337	22.53	0.1791
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = 1.27 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1.00	0.00	22.04	0.1600	23.31	0.2143
Middle		1.00	0.00	22.23	0.1671	23.50	0.2239
Highest		1.00	0.00	22.21	0.1663	23.48	0.2228
Lowest	16QAM	1.00	0.00	21.30	0.1349	22.57	0.1807
Middle		1.00	0.00	21.26	0.1337	22.53	0.1791
Highest		1.00	0.00	21.22	0.1324	22.49	0.1774
Limit	EIRP < 2W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = -3.44 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	23.59	0.2286	18.00	0.0631
Middle		3	1	23.67	0.2328	18.08	0.0643
Highest		3	1	23.78	0.2388	18.19	0.0659
Lowest	16QAM	3	1	22.60	0.1820	17.01	0.0502
Middle		3	1	22.85	0.1928	17.26	0.0532
Highest		3	1	22.82	0.1914	17.23	0.0528
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = -3.44 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	14	23.68	0.2333	18.09	0.0644
Middle		1	14	23.52	0.2249	17.93	0.0621
Highest		1	14	23.45	0.2213	17.86	0.0611
Lowest	16QAM	1	14	22.47	0.1766	16.88	0.0488
Middle		1	14	22.78	0.1897	17.19	0.0524
Highest		1	14	22.33	0.1710	16.74	0.0472
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = -3.44 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.66	0.2323	18.07	0.0641
Middle		1	12	23.57	0.2275	17.98	0.0628
Highest		1	12	23.65	0.2317	18.06	0.0640
Lowest	16QAM	1	24	22.59	0.1816	17.00	0.0501
Middle		1	24	22.63	0.1832	17.04	0.0506
Highest		1	24	23.00	0.1995	17.41	0.0551
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = -3.44 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.77	0.2382	18.18	0.0658
Middle		1	0	23.78	0.2388	18.19	0.0659
Highest		1	0	23.55	0.2265	17.96	0.0625
Lowest	16QAM	1	25	22.98	0.1986	17.39	0.0548
Middle		1	25	23.00	0.1995	17.41	0.0551
Highest		1	25	22.82	0.1914	17.23	0.0528
Limit	ERP < 3W			Result		PASS	



LTE Band 17 / 5MHz (Average) (GT - LC = -3.44 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	23.33	0.2153	17.74	0.0594
Middle		1	24	23.24	0.2109	17.65	0.0582
Highest		1	24	23.68	0.2333	18.09	0.0644
Lowest	16QAM	1	24	22.82	0.1914	17.23	0.0528
Middle		1	24	22.69	0.1858	17.10	0.0513
Highest		1	24	22.68	0.1854	17.09	0.0512
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average) (GT - LC = -3.44 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.64	0.2312	18.05	0.0638
Middle		1	0	23.75	0.2371	18.16	0.0655
Highest		1	0	23.72	0.2355	18.13	0.0650
Lowest	16QAM	1	49	22.57	0.1807	16.98	0.0499
Middle		1	49	22.96	0.1977	17.37	0.0546
Highest		1	49	22.31	0.1702	16.72	0.0470
Limit	ERP < 3W			Result		PASS	

**Radiated Spurious Emission****LTE Band 2**

LTE Band 2 / 1.4MHz / 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	3702	-44.81	-13	-31.81	-61.54	-56.6	0.72	12.52	H
	5550	-39.33	-13	-26.33	-60.71	-51.5	1.00	13.17	H
	7404	-46.51	-13	-33.51	-71.11	-55.9	1.18	10.57	H
									H
									H
									H
									H
	3702	-44.41	-13	-31.41	-62.38	-56.2	0.72	12.52	V
	5550	-36.13	-13	-23.13	-57.8	-48.3	1.00	13.17	V
	7404	-42.01	-13	-29.01	-66.73	-51.4	1.18	10.57	V
									V
									V
									V
									V
Middle	3762	-34.89	-13	-21.89	-51.82	-46.7	0.69	12.50	H
	5640	-40.97	-13	-27.97	-61.87	-53.1	0.98	13.12	H
	7518	-47.93	-13	-34.93	-72.29	-57.2	1.18	10.45	H
									H
									H
									H
									H
	3762	-37.09	-13	-24.09	-55.19	-48.9	0.69	12.50	V
	5640	-36.37	-13	-23.37	-57.88	-48.5	0.98	13.12	V
	7518	-43.53	-13	-30.53	-67.97	-52.8	1.18	10.45	V
									V
									V



									V
--	--	--	--	--	--	--	--	--	---

Highest	3816	-33.81	-13	-20.81	-51.11	-45.6	0.69	12.47	H
	5724	-39.13	-13	-26.13	-60.83	-51.2	0.99	13.07	H
	7638	-48.50	-13	-35.50	-73.52	-58.1	1.18	10.79	H
									H
									H
									H
									H
	3816	-36.71	-13	-23.71	-54.93	-48.5	0.69	12.47	V
	5724	-34.03	-13	-21.03	-55.83	-46.1	0.99	13.07	V
	7638	-43.00	-13	-30.00	-67.62	-52.6	1.18	10.79	V
									V
									V
									V
									V
									V
									V

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



LTE Band 2 / 3MHz / 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	3702	-44.91	-13	-31.91	-61.74	-56.7	0.72	12.52	H
	5550	-37.73	-13	-24.73	-59.38	-49.9	1.00	13.17	H
	7404	-46.61	-13	-33.61	-71.4	-56	1.18	10.57	H
									H
									H
									H
									H
	3702	-45.11	-13	-32.11	-62.97	-56.9	0.72	12.52	V
	5550	-35.43	-13	-22.43	-57.14	-47.6	1.00	13.17	V
	7404	-40.81	-13	-27.81	-65.61	-50.2	1.18	10.57	V
									V
									V
									V
									V
Middle	3756	-35.30	-13	-22.30	-52.11	-47.1	0.69	12.50	H
	5634	-40.26	-13	-27.26	-61.81	-52.4	0.98	13.12	H
	7518	-47.83	-13	-34.83	-72.29	-57.1	1.18	10.45	H
									H
									H
									H
									H
	3756	-37.40	-13	-24.40	-55.47	-49.2	0.69	12.50	V
	5634	-34.76	-13	-21.76	-56.63	-46.9	0.98	13.12	V
	7518	-42.93	-13	-29.93	-67.44	-52.2	1.18	10.45	V
									V
									V
									V
									V



Highest	3816	-31.61	-13	-18.61	-48.82	-43.4	0.69	12.47	H
	5724	-39.63	-13	-26.63	-61.28	-51.7	0.99	13.07	H
	7632	-48.61	-13	-35.61	-73.41	-58.2	1.18	10.77	H
									H
									H
									H
									H
	3816	-34.71	-13	-21.71	-52.92	-46.5	0.69	12.47	V
	5724	-35.93	-13	-22.93	-57.38	-48	0.99	13.07	V
	7632	-45.21	-13	-32.21	-69.69	-54.8	1.18	10.77	V
									V
									V
									V
									V

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



LTE Band 2 / 5MHz / 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	3702	-45.11	-13	-32.11	-61.85	-56.9	0.72	12.52	H
	5550	-40.03	-13	-27.03	-61.8	-52.2	1.00	13.17	H
	7404	-46.21	-13	-33.21	-70.98	-55.6	1.18	10.57	H
									H
									H
									H
									H
	3702	-44.11	-13	-31.11	-62.23	-55.9	0.72	12.52	V
	5550	-37.93	-13	-24.93	-59.42	-50.1	1.00	13.17	V
	7404	-42.71	-13	-29.71	-66.92	-52.1	1.18	10.57	V
									V
									V
									V
									V
Middle	3756	-34.80	-13	-21.80	-51.88	-46.6	0.69	12.50	H
	5634	-39.56	-13	-26.56	-61.07	-51.7	0.98	13.12	H
	7512	-47.35	-13	-34.35	-71.9	-56.6	1.18	10.43	H
									H
									H
									H
									H
	3756	-36.40	-13	-23.40	-54.46	-48.2	0.69	12.50	V
	5634	-35.96	-13	-22.96	-57.55	-48.1	0.98	13.12	V
	7512	-41.65	-13	-28.65	-66.23	-50.9	1.18	10.43	V
									V
									V
									V
									V



Highest	3810	-30.60	-13	-17.60	-47.81	-42.4	0.68	12.48	H
	5718	-40.72	-13	-27.72	-62.15	-52.8	0.99	13.07	H
	7620	-47.55	-13	-34.55	-72.71	-57.1	1.18	10.74	H
									H
									H
									H
									H
	3810	-34.40	-13	-21.40	-52.72	-46.2	0.68	12.48	V
	5718	-35.52	-13	-22.52	-56.97	-47.6	0.99	13.07	V
	7620	-42.95	-13	-29.95	-67.62	-52.5	1.18	10.74	V
									V
									V
									V
									V

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



LTE Band 2 / 10MHz / 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	3702	-44.71	-13	-31.71	-61.62	-56.5	0.72	12.52	H
	5550	-37.93	-13	-24.93	-59.32	-50.1	1.00	13.17	H
	7404	-45.41	-13	-32.41	-70.31	-54.8	1.18	10.57	H
									H
									H
									H
									H
	3702	-44.01	-13	-31.01	-62.06	-55.8	0.72	12.52	V
	5550	-36.53	-13	-23.53	-58.26	-48.7	1.00	13.17	V
	7404	-41.01	-13	-28.01	-65.84	-50.4	1.18	10.57	V
									V
									V
									V
									V
Middle	3750	-35.30	-13	-22.30	-51.76	-47.1	0.70	12.50	H
	5628	-40.96	-13	-27.96	-61.92	-53.1	0.98	13.12	H
	7500	-45.98	-13	-32.98	-70.42	-55.2	1.18	10.40	H
									H
									H
									H
									H
	3750	-35.80	-13	-22.80	-54.01	-47.6	0.70	12.50	V
	5628	-36.36	-13	-23.36	-57.75	-48.5	0.98	13.12	V
	7500	-40.98	-13	-27.98	-65.83	-50.2	1.18	10.40	V
									V
									V
									V
									V



Highest	3804	-31.49	-13	-18.49	-48.44	-43.3	0.67	12.48	H
	5700	-42.01	-13	-29.01	-63.31	-54.1	0.99	13.08	H
	7602	-47.50	-13	-34.50	-72.19	-57	1.18	10.69	H
									H
									H
									H
									H
	3804	-34.39	-13	-21.39	-52.76	-46.2	0.67	12.48	V
	5700	-37.91	-13	-24.91	-59.53	-50	0.99	13.08	V
	7602	-42.70	-13	-29.70	-67.22	-52.2	1.18	10.69	V
									V
									V
									V
									V

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



LTE Band 2 / 15MHz / 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	3702	-44.41	-13	-31.41	-61.23	-56.2	0.72	12.52	H
	5550	-39.13	-13	-26.13	-60.79	-51.3	1.00	13.17	H
	7404	-44.81	-13	-31.81	-69.75	-54.2	1.18	10.57	H
									H
									H
									H
									H
	3702	-43.81	-13	-30.81	-61.52	-55.6	0.72	12.52	V
	5550	-36.83	-13	-23.83	-58.29	-49	1.00	13.17	V
	7404	-41.81	-13	-28.81	-66.58	-51.2	1.18	10.57	V
									V
									V
									V
									V
Middle	3744	-34.70	-13	-21.70	-51.48	-46.5	0.70	12.50	H
	5622	-39.45	-13	-26.45	-60.76	-51.6	0.98	13.13	H
	7494	-50.77	-13	-37.77	-70.92	-60	1.18	10.41	H
									H
									H
									H
									H
	3744	-35.40	-13	-22.40	-53.18	-47.2	0.70	12.50	V
	5622	-34.95	-13	-21.95	-56.44	-47.1	0.98	13.13	V
	7494	-41.27	-13	-28.27	-65.47	-50.5	1.18	10.41	V
									V
									V
									V
									V



Highest	3792	-33.69	-13	-20.69	-50.8	-45.5	0.67	12.48	H
	5688	-46.00	-13	-33.00	-67.39	-58.1	0.99	13.09	H
	7584	-49.75	-13	-36.75	-74.07	-59.2	1.18	10.64	H
									H
									H
									H
									H
	3792	-37.79	-13	-24.79	-55.95	-49.6	0.67	12.48	V
	5688	-40.80	-13	-27.80	-62.68	-52.9	0.99	13.09	V
	7584	-45.45	-13	-32.45	-69.7	-54.9	1.18	10.64	V
									V
									V
									V
									V

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



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	3702	-45.31	-13	-32.31	-62.25	-57.1	0.72	12.52	H
	5556	-39.73	-13	-26.73	-61.17	-51.9	1.00	13.17	H
	7404	-45.71	-13	-32.71	-70.54	-55.1	1.18	10.57	H
									H
									H
									H
									H
	3702	-45.31	-13	-32.31	-63.2	-57.1	0.72	12.52	V
	5556	-35.93	-13	-22.93	-57.34	-48.1	1.00	13.17	V
	7404	-41.11	-13	-28.11	-65.8	-50.5	1.18	10.57	V
									V
									V
									V
									V
Middle	3744	-34.10	-13	-21.10	-51.07	-45.9	0.70	12.50	H
	5616	-40.85	-13	-27.85	-62.06	-53	0.98	13.13	H
	7482	-44.95	-13	-31.95	-69.1	-54.2	1.18	10.43	H
									H
									H
									H
									H
	3744	-35.80	-13	-22.80	-53.53	-47.6	0.70	12.50	V
	5616	-36.45	-13	-23.45	-57.99	-48.6	0.98	13.13	V
	7482	-39.85	-13	-26.85	-64.33	-49.1	1.18	10.43	V
									V
									V
									V
									V



Highest	3780	-39.69	-13	-26.69	-56.79	-51.5	0.68	12.49	H
	5676	-41.79	-13	-28.79	-63.47	-53.9	0.99	13.09	H
	7566	-48.40	-13	-35.40	-73.09	-57.8	1.18	10.58	H
									H
									H
									H
									H
	3780	-41.09	-13	-28.09	-59.21	-52.9	0.68	12.49	V
	5676	-37.09	-13	-24.09	-58.5	-49.2	0.99	13.09	V
	7566	-45.00	-13	-32.00	-69.72	-54.4	1.18	10.58	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 / 1.4MHz / 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	3420	-48.01	-13	-35.01	-64.75	-59.6	0.77	12.36	H
	5130	-47.81	-13	-34.81	-68.16	-59.3	0.97	12.46	H
	6840	-41.35	-13	-28.35	-64.77	-52.2	0.81	11.65	H
									H
									H
									H
									H
	3420	-45.61	-13	-32.61	-62.24	-57.2	0.77	12.36	V
	5130	-48.41	-13	-35.41	-68.95	-59.9	0.97	12.46	V
	6840	-44.75	-13	-31.75	-68.85	-55.6	0.81	11.65	V
									V
									V
									V
									V
Middle	3462	-50.09	-13	-37.09	-67.1	-61.8	0.78	12.49	H
	5196	-50.70	-13	-37.70	-71.45	-62.3	0.99	12.59	H
	6930	-45.65	-13	-32.65	-69.02	-56.1	1.01	11.45	H
									H
									H
									H
									H
	3462	-48.09	-13	-35.09	-65.35	-59.8	0.78	12.49	V
	5196	-51.70	-13	-38.70	-72.04	-63.3	0.99	12.59	V
	6930	-47.05	-13	-34.05	-70.77	-57.5	1.01	11.45	V
									V
									V
									V
									V



Highest	3510	-47.49	-13	-34.49	-64.66	-59.31	0.78	12.60	H
	5262	-45.39	-13	-32.39	-66.07	-57.1	1.01	12.72	H
	7014	-40.09	-13	-27.09	-63.6	-50.2	1.17	11.27	H
									H
									H
									H
									H
	3510	-43.78	-13	-30.78	-61.83	-55.6	0.78	12.60	V
	5262	-45.79	-13	-32.79	-66.55	-57.5	1.01	12.72	V
	7014	-41.39	-13	-28.39	-65.57	-51.5	1.17	11.27	V
									V
									V
									V
									V

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



LTE Band 4 / 3MHz / 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	3420	-46.52	-13	-33.52	-63.68	-58.11	0.77	12.36	H
	5130	-49.09	-13	-36.09	-69.79	-60.58	0.97	12.46	H
	6840	-41.48	-13	-28.48	-65.17	-52.33	0.81	11.65	H
									H
									H
									H
									H
	3420	-45.99	-13	-32.99	-62.96	-57.58	0.77	12.36	V
	5130	-47.81	-13	-34.81	-68.68	-59.3	0.97	12.46	V
	6840	-45.53	-13	-32.53	-69.69	-56.38	0.81	11.65	V
									V
									V
									V
									V
Middle	3462	-50.04	-13	-37.04	-67.24	-61.75	0.78	12.49	H
	5196	-50.95	-13	-37.95	-71.74	-62.55	0.99	12.59	H
	6924	-44.43	-13	-31.43	-68.31	-54.9	0.99	11.47	H
									H
									H
									H
									H
	3462	-47.80	-13	-34.80	-65.39	-59.51	0.78	12.49	V
	5196	-50.27	-13	-37.27	-71.22	-61.87	0.99	12.59	V
	6924	-47.26	-13	-34.26	-71.52	-57.73	0.99	11.47	V
									V
									V
									V
									V



Highest	3504	-46.80	-13	-33.80	-64.05	-58.62	0.78	12.60	H
	5256	-45.66	-13	-32.66	-66.63	-57.36	1.01	12.71	H
	7008	-39.77	-13	-26.77	-63.8	-49.89	1.17	11.29	H
									H
									H
									H
									H
	3504	-44.07	-13	-31.07	-62.29	-55.89	0.78	12.60	V
	5256	-46.10	-13	-33.10	-67.21	-57.8	1.01	12.71	V
	7008	-42.23	-13	-29.23	-66.56	-52.35	1.17	11.29	V
									V
									V
									V
									V

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



LTE Band 4 / 5MHz / 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	3420	-46.75	-13	-33.75	-63.91	-58.34	0.77	12.36	H
	5130	-49.15	-13	-36.15	-69.85	-60.64	0.97	12.46	H
	6840	-41.12	-13	-28.12	-64.81	-51.97	0.81	11.65	H
									H
									H
									H
									H
	3420	-45.96	-13	-32.96	-62.93	-57.55	0.77	12.36	V
	5130	-48.31	-13	-35.31	-69.18	-59.8	0.97	12.46	V
	6840	-44.68	-13	-31.68	-68.84	-55.53	0.81	11.65	V
									V
									V
									V
									V
Middle	3462	-49.94	-13	-36.94	-67.14	-61.65	0.78	12.49	H
	5190	-50.78	-13	-37.78	-71.57	-62.37	0.99	12.58	H
	6924	-44.97	-13	-31.97	-68.85	-55.44	0.99	11.47	H
									H
									H
									H
									H
	3462	-47.80	-13	-34.80	-65.39	-59.51	0.78	12.49	V
	5190	-50.11	-13	-37.11	-71.06	-61.7	0.99	12.58	V
	6924	-47.38	-13	-34.38	-71.64	-57.85	0.99	11.47	V
									V
									V
									V
									V



Highest	3504	-47.07	-13	-34.07	-64.32	-58.89	0.78	12.60	H
	5250	-44.19	-13	-31.19	-65.11	-55.88	1.01	12.70	H
	7002	-39.64	-13	-26.64	-63.67	-49.77	1.16	11.30	H
									H
									H
									H
									H
	3504	-43.90	-13	-30.90	-62.12	-55.72	0.78	12.60	V
	5250	-45.99	-13	-32.99	-67.05	-57.68	1.01	12.70	V
	7002	-41.03	-13	-28.03	-65.36	-51.16	1.16	11.30	V
									V
									V
									V
									V

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



LTE Band 4 / 10MHz / 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	3420	-45.91	-13	-32.91	-62.9	-57.5	0.77	12.36	H
	5130	-48.21	-13	-35.21	-68.55	-59.7	0.97	12.46	H
	6840	-41.45	-13	-28.45	-65.01	-52.3	0.81	11.65	H
									H
									H
									H
									H
	3420	-44.91	-13	-31.91	-61.57	-56.5	0.77	12.36	V
	5130	-47.71	-13	-34.71	-68.3	-59.2	0.97	12.46	V
	6840	-46.65	-13	-33.65	-70.39	-57.5	0.81	11.65	V
									V
									V
									V
									V
Middle	3456	-49.81	-13	-36.81	-66.97	-61.5	0.78	12.47	H
	5184	-50.02	-13	-37.02	-70.32	-61.6	0.99	12.57	H
	6912	-43.67	-13	-30.67	-67.42	-54.2	0.97	11.49	H
									H
									H
									H
									H
	3456	-47.61	-13	-34.61	-64.7	-59.3	0.78	12.47	V
	5184	-49.92	-13	-36.92	-70.59	-61.5	0.99	12.57	V
	6912	-48.37	-13	-35.37	-72.49	-58.9	0.97	11.49	V
									V
									V
									V
									V



Highest	3492	-46.50	-13	-33.50	-63.19	-58.3	0.78	12.58	H
	5238	-46.03	-13	-33.03	-66.86	-57.7	1.01	12.68	H
	6984	-39.79	-13	-26.79	-63.07	-50	1.13	11.34	H
									H
									H
									H
									H
	3492	-44.40	-13	-31.40	-62.35	-56.2	0.78	12.58	V
	5238	-47.53	-13	-34.53	-68.4	-59.2	1.01	12.68	V
	6984	-43.39	-13	-30.39	-67.46	-53.6	1.13	11.34	V
									V
									V
									V
									V

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



LTE Band 4 / 15MHz / 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	3420	-47.00	-13	-34.00	-64.16	-58.59	0.77	12.36	H
	5130	-47.84	-13	-34.84	-68.54	-59.33	0.97	12.46	H
	6846	-41.26	-13	-28.26	-64.95	-52.08	0.82	11.64	H
									H
									H
									H
									H
	3420	-46.14	-13	-33.14	-63.11	-57.73	0.77	12.36	V
	5130	-47.62	-13	-34.62	-68.49	-59.11	0.97	12.46	V
	6846	-44.90	-13	-31.90	-69.06	-55.72	0.82	11.64	V
									V
									V
									V
									V
Middle	3450	-48.83	-13	-35.83	-66.05	-60.5	0.78	12.45	H
	5178	-48.53	-13	-35.53	-69.38	-60.1	0.98	12.56	H
	6906	-43.15	-13	-30.15	-67.01	-53.7	0.95	11.51	H
									H
									H
									H
									H
	3450	-46.63	-13	-33.63	-63.97	-58.3	0.78	12.45	V
	5178	-49.13	-13	-36.13	-70.13	-60.7	0.98	12.56	V
	6906	-47.85	-13	-34.85	-71.15	-58.4	0.95	11.51	V
									V
									V
									V
									V



Highest	3480	-47.00	-13	-34.00	-64.22	-58.76	0.78	12.54	H
	5220	-46.22	-13	-33.22	-67.09	-57.86	1.00	12.64	H
	6966	-41.21	-13	-28.21	-65.16	-51.5	1.09	11.37	H
									H
									H
									H
									H
	3480	-44.63	-13	-31.63	-62.52	-56.39	0.78	12.54	V
	5220	-46.47	-13	-33.47	-67.5	-58.11	1.00	12.64	V
	6966	-43.69	-13	-30.69	-67.98	-53.98	1.09	11.37	V
									V
									V
									V
									V

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



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	3420	-47.47	-13	-34.47	-64.63	-59.06	0.77	12.36	H
	5136	-48.01	-13	-35.01	-68.71	-59.51	0.97	12.47	H
	6846	-41.57	-13	-28.57	-65.26	-52.39	0.82	11.64	H
									H
									H
									H
									H
	3420	-46.21	-13	-33.21	-63.18	-57.8	0.77	12.36	V
	5136	-48.04	-13	-35.04	-68.91	-59.54	0.97	12.47	V
	6846	-44.13	-13	-31.13	-68.29	-54.95	0.82	11.64	V
									V
									V
									V
									V
Middle	3450	-48.63	-13	-35.63	-65.81	-60.3	0.78	12.45	H
	5172	-48.63	-13	-35.63	-69.39	-60.19	0.98	12.54	H
	6894	-43.28	-13	-30.28	-67.08	-53.89	0.93	11.53	H
									H
									H
									H
									H
	3450	-46.87	-13	-33.87	-64.14	-58.54	0.78	12.45	V
	5172	-48.15	-13	-35.15	-69.07	-59.71	0.98	12.54	V
	6894	-45.80	-13	-32.80	-70.01	-56.41	0.93	11.53	V
									V
									V
									V
									V



Highest	3474	-48.33	-13	-35.33	-65.57	-60.07	0.78	12.52	H
	5208	-50.29	-13	-37.29	-71.11	-61.91	0.99	12.62	H
	6948	-44.36	-13	-31.36	-68.27	-54.73	1.05	11.41	H
									H
									H
									H
									H
	3474	-46.63	-13	-33.63	-64.54	-58.37	0.78	12.52	V
	5208	-49.53	-13	-36.53	-70.51	-61.15	0.99	12.62	V
	6948	-45.82	-13	-32.82	-70.09	-56.19	1.05	11.41	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 / 1.4MHz / 16QAM									
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	1648	-49.17	-13	-36.17	-59.08	-56.12	0.53	9.63	H
	2472	-50.66	-13	-37.66	-64.1	-58.64	0.65	10.78	H
	3296	-53.88	-13	-40.88	-70.02	-62.96	0.76	11.99	H
									H
									H
									H
									H
	1648	-53.34	-13	-40.34	-62.96	-60.29	0.53	9.63	V
	2472	-53.64	-13	-40.64	-67.57	-61.62	0.65	10.78	V
	3296	-52.92	-13	-39.92	-69.03	-62	0.76	11.99	V
									V
									V
									V
									V
Middle	1672	-53.72	-13	-40.72	-63.81	-60.72	0.53	9.68	H
	2504	-45.41	-13	-32.41	-58.84	-53.41	0.66	10.80	H
	3344	-55.05	-13	-42.05	-71.25	-64.27	0.76	12.13	H
									H
									H
									H
									H
	1672	-57.95	-13	-44.95	-67.64	-64.95	0.53	9.68	V
	2512	-49.12	-13	-36.12	-62.95	-57.12	0.66	10.81	V
	3344	-53.63	-13	-40.63	-69.64	-62.85	0.76	12.13	V
									V
									V
									V
									V



Highest	1696	-56.53	-13	-43.53	-66.91	-63.58	0.53	9.73	H
	2544	-53.69	-13	-40.69	-67.17	-61.7	0.67	10.83	H
	3392	-54.79	-13	-41.79	-71.1	-64.15	0.77	12.28	H
									H
									H
									H
									H
	1696	-58.68	-13	-45.68	-68.44	-65.73	0.53	9.73	V
	2544	-55.10	-13	-42.10	-68.95	-63.11	0.67	10.83	V
	3392	-53.34	-13	-40.34	-69.24	-62.7	0.77	12.28	V
									V
									V
									V
									V

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



LTE Band 5 / 3MHz / 16QAM									
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	1648	-49.69	-13	-36.69	-59.6	-56.64	0.53	9.63	H
	2472	-52.42	-13	-39.42	-65.86	-60.4	0.65	10.78	H
	3296	-53.37	-13	-40.37	-69.51	-62.45	0.76	11.99	H
									H
									H
									H
									H
	1648	-55.32	-13	-42.32	-64.94	-62.27	0.53	9.63	V
	2472	-52.46	-13	-39.46	-66.39	-60.44	0.65	10.78	V
	3296	-52.28	-13	-39.28	-68.39	-61.36	0.76	11.99	V
									V
									V
									V
									V
Middle	1672	-53.46	-13	-40.46	-63.55	-60.46	0.53	9.68	H
	2504	-55.08	-13	-42.08	-68.51	-63.08	0.66	10.80	H
	3344	-55.94	-13	-42.94	-72.14	-65.16	0.76	12.13	H
									H
									H
									H
									H
	1672	-56.99	-13	-43.99	-66.68	-63.99	0.53	9.68	V
	2504	-57.05	-13	-44.05	-70.89	-65.05	0.66	10.80	V
	3344	-53.58	-13	-40.58	-69.59	-62.8	0.76	12.13	V
									V
									V
									V
									V



Highest	1696	-57.51	-13	-44.51	-67.89	-64.56	0.53	9.73	H
	2536	-55.86	-13	-42.86	-69.31	-63.87	0.66	10.82	H
	3384	-55.57	-13	-42.57	-71.87	-64.9	0.77	12.25	H
									H
									H
									H
									H
	1696	-58.83	-13	-45.83	-68.59	-65.88	0.53	9.73	V
	2536	-54.26	-13	-41.26	-68.09	-62.27	0.66	10.82	V
	3384	-54.74	-13	-41.74	-70.63	-64.07	0.77	12.25	V
									V
									V
									V
									V

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



LTE Band 5 / 5MHz / 16QAM									
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	1648	-49.78	-13	-36.78	-59.69	-56.73	0.53	9.63	H
	2472	-52.63	-13	-39.63	-66.07	-60.61	0.65	10.78	H
	3296	-45.87	-13	-32.87	-71.09	-54.95	0.76	11.99	H
									H
									H
									H
									H
	1648	-54.57	-13	-41.57	-64.19	-61.52	0.53	9.63	V
	2472	-53.12	-13	-40.12	-67.05	-61.1	0.65	10.78	V
	3296	-52.68	-13	-39.68	-68.79	-61.76	0.76	11.99	V
									V
									V
									V
									V
Middle	1672	-51.63	-13	-38.63	-61.72	-58.63	0.53	9.68	H
	2504	-55.61	-13	-42.61	-69.04	-63.61	0.66	10.80	H
	3336	-56.44	-13	-43.44	-72.65	-65.64	0.76	12.11	H
									H
									H
									H
									H
	1672	-57.01	-13	-44.01	-66.7	-64.01	0.53	9.68	V
	2504	-55.41	-13	-42.41	-69.25	-63.41	0.66	10.80	V
	3336	-54.52	-13	-41.52	-70.54	-63.72	0.76	12.11	V
									V
									V
									V
									V



Highest	1688	-56.65	-13	-43.65	-66.9	-63.68	0.53	9.71	H
	2536	-54.62	-13	-41.62	-68.07	-62.63	0.66	10.82	H
	3376	-54.52	-13	-41.52	-70.79	-63.83	0.77	12.23	H
									H
									H
									H
									H
	1688	-58.54	-13	-45.54	-68.29	-65.57	0.53	9.71	V
	2536	-54.83	-13	-41.83	-68.66	-62.84	0.66	10.82	V
	3376	-54.06	-13	-41.06	-69.99	-63.37	0.77	12.23	V
									V
									V
									V
									V

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



LTE Band 5 / 10MHz / 16QAM									
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	1648	-48.80	-13	-35.80	-58.71	-55.75	0.53	9.63	H
	2472	-53.08	-13	-40.08	-66.52	-61.06	0.65	10.78	H
	3296	-53.90	-13	-40.90	-70.04	-62.98	0.76	11.99	H
									H
									H
									H
									H
	1648	-52.94	-13	-39.94	-62.56	-59.89	0.53	9.63	V
	2472	-53.32	-13	-40.32	-67.25	-61.3	0.65	10.78	V
	3296	-52.23	-13	-39.23	-68.34	-61.31	0.76	11.99	V
									V
									V
									V
									V
Middle	1664	-52.70	-13	-39.70	-62.79	-59.68	0.53	9.66	H
	2496	-55.94	-13	-42.94	-69.35	-63.93	0.65	10.80	H
	3328	-55.74	-13	-42.74	-71.95	-64.91	0.76	12.08	H
									H
									H
									H
									H
	1664	-55.64	-13	-42.64	-65.33	-62.62	0.53	9.66	V
	2496	-53.75	-13	-40.75	-67.58	-61.74	0.65	10.80	V
	3328	-53.96	-13	-40.96	-69.98	-63.13	0.76	12.08	V
									V
									V
									V
									V



Highest	1680	-53.52	-13	-40.52	-63.77	-60.54	0.53	9.70	H
	2520	-52.99	-13	-39.99	-66.44	-60.99	0.66	10.81	H
	3360	-53.36	-13	-40.36	-69.6	-62.62	0.77	12.18	H
									H
									H
									H
									H
	1680	-56.15	-13	-43.15	-65.9	-63.17	0.53	9.70	V
	2520	-54.05	-13	-41.05	-67.88	-62.05	0.66	10.81	V
	3360	-51.23	-13	-38.23	-67.21	-60.49	0.77	12.18	V
									V
									V
									V
									V

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

**LTE Band 7**

LTE Band 7 / 5MHz / 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	5004	-47.53	-25	-22.53	-67.54	-58.8	0.94	12.21	H
	7500	-47.88	-25	-22.88	-72.42	-57.1	1.18	10.40	H
	10000	-45.96	-25	-20.96	-76.83	-56.3	1.40	11.73	H
									H
									H
									H
									H
	5004	-46.23	-25	-21.23	-66.37	-57.5	0.94	12.21	V
	7500	-43.88	-25	-18.88	-68.57	-53.1	1.18	10.40	V
	10000	-46.76	-25	-21.76	-77.03	-57.1	1.40	11.73	V
									V
									V
									V
									V
Middle	5064	-46.73	-25	-21.73	-67	-58.1	0.95	12.33	H
	7596	-47.71	-25	-22.71	-72.63	-57.2	1.18	10.67	H
	10134	-45.83	-25	-20.83	-76.39	-56.3	1.38	11.85	H
									H
									H
									H
									H
	5064	-47.13	-25	-22.13	-67	-58.5	0.95	12.33	V
	7596	-47.71	-25	-22.71	-72.63	-57.2	1.18	10.67	V
	10134	-45.43	-25	-20.43	-76.39	-55.9	1.38	11.85	V
									V
									V
									V
									V



Highest	5130	-45.61	-25	-20.61	-65.86	-57.1	0.97	12.46	H
	7698	-43.33	-25	-18.33	-68.32	-53.1	1.19	10.95	H
	10260	-45.29	-25	-20.29	-76.29	-55.5	1.39	11.61	H
									H
									H
									H
									H
	5130	-43.11	-25	-18.11	-63.81	-54.6	0.97	12.46	V
	7698	-39.73	-25	-14.73	-64.78	-49.5	1.19	10.95	V
	10260	-44.89	-25	-19.89	-75.37	-55.1	1.39	11.61	V
									V
									V
									V
									V

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



LTE Band 7 / 10MHz / 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	5004	-46.93	-25	-21.93	-67.04	-58.2	0.94	12.21	H
	7500	-47.88	-25	-22.88	-72.13	-57.1	1.18	10.40	H
	10000	-46.06	-25	-21.06	-78.8	-56.4	1.40	11.73	H
									H
									H
									H
									H
	5004	-46.83	-25	-21.83	-67	-58.1	0.94	12.21	V
	7500	-43.68	-25	-18.68	-68.32	-52.9	1.18	10.40	V
	10000	-47.16	-25	-22.16	-76.96	-57.5	1.40	11.73	V
									V
									V
									V
									V
Middle	5064	-45.40	-25	-20.40	-65.97	-56.77	0.95	12.33	H
	7590	-45.58	-25	-20.58	-70.7	-55.05	1.18	10.65	H
	10128	-45.43	-25	-20.43	-76.43	-55.91	1.38	11.86	H
									H
									H
									H
									H
	5064	-44.65	-25	-19.65	-65.39	-56.02	0.95	12.33	V
	7590	-41.48	-25	-16.48	-66.3	-50.95	1.18	10.65	V
	10128	-45.44	-25	-20.44	-76.16	-55.92	1.38	11.86	V
									V
									V
									V
									V



Highest	5124	-41.62	-25	-16.62	-62.27	-53.1	0.97	12.45	H
	7680	-39.18	-25	-14.18	-64.28	-48.9	1.19	10.90	H
	10240	-46.05	-25	-21.05	-76.24	-56.3	1.39	11.64	H
									H
									H
									H
									H
	5124	-39.62	-25	-14.62	-60.05	-51.1	0.97	12.45	V
	7680	-35.98	-25	-10.98	-60.9	-45.7	1.19	10.90	V
	10242	-44.35	-25	-19.35	-74.72	-54.6	1.39	11.64	V
									V
									V
									V
									V

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



LTE Band 7 / 15MHz / 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	5004	-44.63	-25	-19.63	-64.64	-55.9	0.94	12.21	H
	7512	-45.55	-25	-20.55	-69.99	-54.8	1.18	10.43	H
	10000	-46.26	-25	-21.26	-76.93	-56.6	1.40	11.73	H
									H
									H
									H
									H
	5004	-44.83	-25	-19.83	-65.14	-56.1	0.94	12.21	V
	7512	-41.75	-25	-16.75	-66.03	-51	1.18	10.43	V
	10000	-46.46	-25	-21.46	-76.89	-56.8	1.40	11.73	V
									V
									V
									V
									V
Middle	5058	-44.14	-25	-19.14	-64.48	-55.5	0.95	12.32	H
	7584	-43.75	-25	-18.75	-68.65	-53.2	1.18	10.64	H
	10110	-46.09	-25	-21.09	-76.71	-56.6	1.38	11.89	H
									H
									H
									H
									H
	5058	-43.44	-25	-18.44	-63.94	-54.8	0.95	12.32	V
	7584	-40.15	-25	-15.15	-64.32	-49.6	1.18	10.64	V
	10110	-46.09	-25	-21.09	-76.72	-56.6	1.38	11.89	V
									V
									V
									V
									V



Highest	5112	-38.64	-25	-13.64	-59.26	-50.1	0.97	12.42	H
	7668	-37.61	-25	-12.61	-62.8	-47.3	1.19	10.87	H
	10224	-45.81	-25	-20.81	-75.99	-56.1	1.39	11.67	H
	15336	-40.53	-25	-15.53	-75.37	-54.3	1.74	15.52	H
									H
									H
									H
	5112	-36.94	-25	-11.94	-57.24	-48.4	0.97	12.42	V
	7668	-35.11	-25	-10.11	-59.66	-44.8	1.19	10.87	V
	10224	-44.01	-25	-19.01	-74.55	-54.3	1.39	11.67	V
	15336	-39.13	-25	-14.13	-72.99	-52.9	1.74	15.52	V
									V
									V
									V

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



LTE Band 7 / 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	5004	-46.83	-25	-21.83	-66.9	-58.1	0.94	12.21	H
	7506	-46.66	-25	-21.66	-71.44	-55.9	1.18	10.42	H
	10000	-46.26	-25	-21.26	-76.98	-56.6	1.40	11.73	H
									H
									H
									H
									H
	5004	-45.63	-25	-20.63	-65.88	-56.9	0.94	12.21	V
	7506	-42.86	-25	-17.86	-67.27	-52.1	1.18	10.42	V
	10000	-46.86	-25	-21.86	-77.1	-57.2	1.40	11.73	V
									V
									V
									V
									V
Middle	5052	-42.85	-25	-17.85	-63.18	-54.2	0.95	12.30	H
	7578	-43.06	-25	-18.06	-67.79	-52.5	1.18	10.62	H
	10100	-45.87	-25	-20.87	-76.81	-56.4	1.38	11.91	H
									H
									H
									H
									H
	5052	-42.15	-25	-17.15	-62.71	-53.5	0.95	12.30	V
	7578	-38.86	-25	-13.86	-63.34	-48.3	1.18	10.62	V
	10100	-45.57	-25	-20.57	-75.76	-56.1	1.38	11.91	V
									V
									V
									V
									V



Highest	5100	-38.76	-25	-13.76	-59.06	-50.2	0.96	12.40	H
	7656	-37.55	-25	-12.55	-62.96	-47.2	1.18	10.84	H
	10206	-45.48	-25	-20.48	-76.51	-55.8	1.39	11.71	H
	15300	-40.96	-25	-15.96	-75.36	-54.5	1.74	15.28	H
									H
									H
									H
	5100	-38.46	-25	-13.46	-58.64	-49.9	0.96	12.40	V
	7656	-34.75	-25	-9.75	-59.2	-44.4	1.18	10.84	V
	10206	-43.78	-25	-18.78	-74.04	-54.1	1.39	11.71	V
	15300	-39.56	-25	-14.56	-73.54	-53.1	1.74	15.28	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	-43.44	-13	-30.44	-54.55	-49.49	0.50	8.70	H
	2096	-59.45	-13	-46.45	-72.95	-67.19	0.59	10.48	H
	3496	-51.45	-13	-38.45	-65.86	-61.11	0.78	12.59	H
									H
									H
									H
									H
	1400	-42.03	-13	-29.03	-53.20	-48.08	0.50	8.70	V
	2096	-55.90	-13	-42.90	-69.16	-63.64	0.59	10.48	V
	3496	-51.51	-13	-38.51	-66.34	-61.17	0.78	12.59	V
									V
									V
									V
									V
Middle	1416	-46.18	-13	-33.18	-57.39	-52.32	0.50	8.80	H
	2120	-58.23	-13	-45.23	-72.01	-65.98	0.59	10.50	H
	3536	-49.25	-13	-36.25	-63.77	-58.90	0.78	12.59	H
									H
									H
									H
									H
	1416	-44.70	-13	-31.70	-55.71	-50.84	0.50	8.80	V
	2120	-54.81	-13	-41.81	-68.41	-62.56	0.59	10.50	V
	3536	-49.18	-13	-36.18	-64.02	-58.83	0.78	12.59	V
									V
									V
									V
									V



Highest	1432	-46.18	-13	-33.18	-57.56	-52.42	0.50	8.89	H
	2144	-55.06	-13	-42.06	-69.40	-62.83	0.59	10.52	H
	3576	-45.89	-13	-32.89	-60.46	-55.53	0.78	12.57	H
									H
									H
									H
									H
	1432	-45.94	-13	-32.94	-56.86	-52.18	0.50	8.89	V
	2144	-51.60	-13	-38.60	-65.89	-59.37	0.59	10.52	V
	3576	-46.11	-13	-33.11	-60.96	-55.75	0.78	12.57	V
									V
									V
									V
									V

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



LTE Band 12 / 3MHz / 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	-43.30	-13	-30.30	-54.41	-49.35	0.50	8.70	H
	2096	-59.67	-13	-46.67	-73.17	-67.41	0.59	10.48	H
	2800	-51.68	-13	-38.68	-66.09	-59.81	0.70	10.98	H
									H
									H
									H
									H
	1400	-41.72	-13	-28.72	-52.89	-47.77	0.50	8.70	V
	2096	-56.56	-13	-43.56	-69.82	-64.30	0.59	10.48	V
	2800	-49.79	-13	-36.79	-64.62	-57.92	0.70	10.98	V
									V
									V
									V
									V
Middle	1416	-44.25	-13	-31.25	-55.46	-50.39	0.50	8.80	H
	2120	-58.12	-13	-45.12	-71.90	-65.87	0.59	10.50	H
	2832	-48.81	-13	-35.81	-63.27	-56.95	0.71	11.00	H
									H
									H
									H
									H
	1416	-44.26	-13	-31.26	-55.27	-50.40	0.50	8.80	V
	2120	-56.17	-13	-43.17	-69.77	-63.92	0.59	10.50	V
	2832	-50.24	-13	-37.24	-65.08	-58.38	0.71	11.00	V
									V
									V
									V
									V



Highest	1424	-44.85	-13	-31.85	-56.23	-51.04	0.50	8.84	H
	2136	-56.02	-13	-43.02	-70.07	-63.79	0.59	10.51	H
	2848	-45.22	-13	-32.22	-59.79	-53.37	0.71	11.01	H
									H
									H
									H
									H
	1424	-44.86	-13	-31.86	-55.78	-51.05	0.50	8.84	V
	2136	-54.49	-13	-41.49	-68.43	-62.26	0.59	10.51	V
	2848	-46.11	-13	-33.11	-60.96	-54.26	0.71	11.01	V
									V
									V
									V
									V

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



LTE Band 12 / 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	1400	-44.15	-13	-31.15	-55.26	-50.20	0.50	8.70	H
	2096	-59.58	-13	-46.58	-73.08	-67.32	0.59	10.48	H
	2800	-50.18	-13	-37.18	-64.59	-58.31	0.70	10.98	H
									H
									H
									H
									H
	1400	-42.19	-13	-29.19	-53.36	-48.24	0.50	8.70	V
	2096	-56.79	-13	-43.79	-70.05	-64.53	0.59	10.48	V
	2800	-49.27	-13	-36.27	-64.10	-57.40	0.70	10.98	V
									V
									V
									V
									V
Middle	1408	-43.47	-13	-30.47	-54.68	-49.57	0.50	8.75	H
	2112	-55.23	-13	-42.23	-69.01	-62.98	0.59	10.49	H
	2816	-47.98	-13	-34.98	-62.44	-56.11	0.71	10.99	H
									H
									H
									H
									H
	1408	-42.42	-13	-29.42	-53.43	-48.52	0.50	8.75	V
	2112	-55.51	-13	-42.51	-69.11	-63.26	0.59	10.49	V
	2816	-47.58	-13	-34.58	-62.42	-55.71	0.71	10.99	V
									V
									V
									V
									V



Highest	1424	-45.18	-13	-32.18	-56.56	-51.37	0.50	8.84	H
	2136	-57.14	-13	-44.14	-71.19	-64.91	0.59	10.51	H
	2848	-48.24	-13	-35.24	-62.80	-56.39	0.71	11.01	H
									H
									H
									H
									H
	1424	-44.65	-13	-31.65	-55.57	-50.84	0.50	8.84	V
	2136	-55.72	-13	-42.72	-69.66	-63.49	0.59	10.51	V
	2848	-49.37	-13	-36.37	-64.21	-57.52	0.71	11.01	V
									V
									V
									V
									V

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



LTE Band 12 / 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	1400	-43.40	-13	-30.40	-54.51	-49.45	0.50	8.70	H
	2096	-59.75	-13	-46.75	-73.25	-67.49	0.59	10.48	H
	2800	-50.26	-13	-37.26	-64.67	-58.39	0.70	10.98	H
									H
									H
									H
									H
	1400	-42.77	-13	-29.77	-53.94	-48.82	0.50	8.70	V
	2096	-57.31	-13	-44.31	-70.57	-65.05	0.59	10.48	V
	2800	-50.47	-13	-37.47	-65.30	-58.60	0.70	10.98	V
									V
									V
									V
									V
Middle	1408	-41.88	-13	-28.88	-53.09	-47.98	0.50	8.75	H
	2112	-57.34	-13	-44.34	-71.13	-65.09	0.59	10.49	H
	3512	-48.37	-13	-35.37	-62.83	-58.03	0.78	12.60	H
									H
									H
									H
									H
	1408	-42.77	-13	-29.77	-53.78	-48.87	0.50	8.75	V
	2112	-56.37	-13	-43.37	-69.98	-64.12	0.59	10.49	V
	3512	-47.52	-13	-34.52	-62.36	-57.18	0.78	12.60	V
									V
									V
									V
									V



Highest	1416	-44.02	-13	-31.02	-55.23	-50.16	0.50	8.80	H
	2120	-57.34	-13	-44.34	-71.12	-65.09	0.59	10.50	H
	3536	-48.47	-13	-35.47	-62.93	-58.12	0.78	12.59	H
									H
									H
									H
									H
	1416	-43.97	-13	-30.97	-53.98	-50.11	0.50	8.80	V
	2120	-55.23	-13	-42.23	-68.83	-62.98	0.59	10.50	V
	3536	-49.89	-13	-36.89	-64.73	-59.54	0.78	12.59	V
									V
									V
									V
									V

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

**LTE Band 17**

LTE Band 17 / 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	1408	-40.96	-13	-27.96	-52.17	-47.06	0.50	8.75	H
	2112	-55.63	-13	-42.63	-69.42	-63.38	0.59	10.49	H
	2816	-47.85	-13	-34.85	-62.31	-55.98	0.71	10.99	H
									H
									H
									H
									H
	1408	-39.00	-13	-26.00	-50.01	-45.10	0.50	8.75	V
	2112	-55.08	-13	-42.08	-68.69	-62.83	0.59	10.49	V
	2816	-50.27	-13	-37.27	-65.11	-58.40	0.71	10.99	V
									V
									V
									V
									V
Middle	1416	-44.06	-13	-31.06	-55.27	-50.20	0.50	8.80	H
	2120	-59.30	-13	-46.30	-73.08	-67.05	0.59	10.50	H
	3536	-49.52	-13	-36.52	-64.04	-59.17	0.78	12.59	H
									H
									H
									H
									H
	1416	-41.42	-13	-28.42	-52.43	-47.56	0.50	8.80	V
	2120	-41.71	-13	-28.71	-65.31	-49.46	0.59	10.50	V
	3536	-51.65	-13	-38.65	-66.49	-61.30	0.78	12.59	V
									V
									V
									V
									V



Highest	1424	-43.02	-13	-30.02	-54.40	-49.21	0.50	8.84	H
	2136	-56.59	-13	-43.59	-70.64	-64.36	0.59	10.51	H
	2848	-48.70	-13	-35.70	-63.26	-56.85	0.71	11.01	H
									H
									H
									H
									H
	1424	-41.00	-13	-28.00	-51.92	-47.19	0.50	8.84	V
	2136	-53.56	-13	-40.56	-67.50	-61.33	0.59	10.51	V
	2848	-52.01	-13	-39.01	-66.85	-60.16	0.71	11.01	V
									V
									V
									V
									V

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



LTE Band 17 / 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	1408	-40.00	-13	-27.00	-51.21	-46.10	0.50	8.75	H
	2112	-54.87	-13	-41.87	-68.66	-62.62	0.59	10.49	H
	2816	-47.36	-13	-34.36	-61.82	-55.49	0.71	10.99	H
									H
									H
									H
									H
	1408	-38.66	-13	-25.66	-49.67	-44.76	0.50	8.75	V
	2112	-53.35	-13	-40.35	-66.96	-61.10	0.59	10.49	V
	2816	-50.08	-13	-37.08	-64.92	-58.21	0.71	10.99	V
									V
									V
									V
									V
Middle	1408	-42.25	-13	-29.25	-53.46	-48.35	0.50	8.75	H
	2120	-55.05	-13	-42.05	-68.83	-62.80	0.59	10.50	H
	2824	-47.32	-13	-34.32	-61.78	-55.46	0.71	10.99	H
									H
									H
									H
									H
	1408	-38.32	-13	-25.32	-49.33	-44.42	0.50	8.75	V
	2120	-49.09	-13	-36.09	-62.69	-56.84	0.59	10.50	V
	2824	-49.40	-13	-36.40	-64.24	-57.54	0.71	10.99	V
									V
									V
									V
									V



Highest	1416	-41.69	-13	-28.69	-52.90	-47.83	0.50	8.80	H
	2120	-56.21	-13	-43.21	-69.99	-63.96	0.59	10.50	H
	2824	-49.06	-13	-36.06	-63.52	-57.20	0.71	10.99	H
									H
									H
									H
									H
	1416	-40.64	-13	-27.64	-51.65	-46.78	0.50	8.80	V
	2120	-53.88	-13	-40.88	-67.48	-61.63	0.59	10.50	V
	2824	-51.46	-13	-38.46	-66.30	-59.60	0.71	10.99	V
									V
									V
									V
									V

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