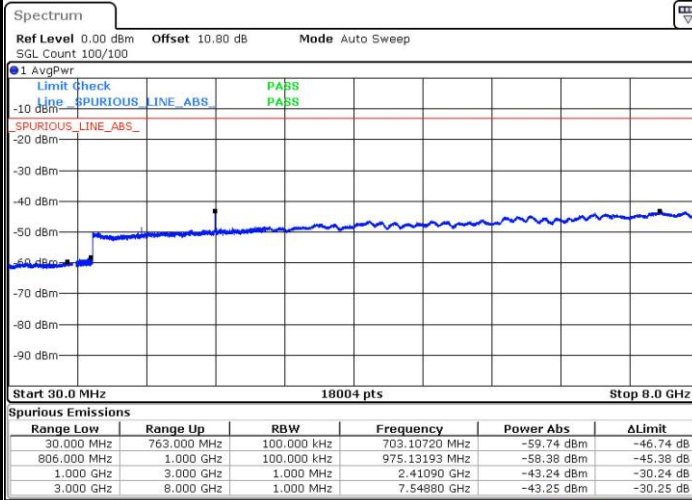




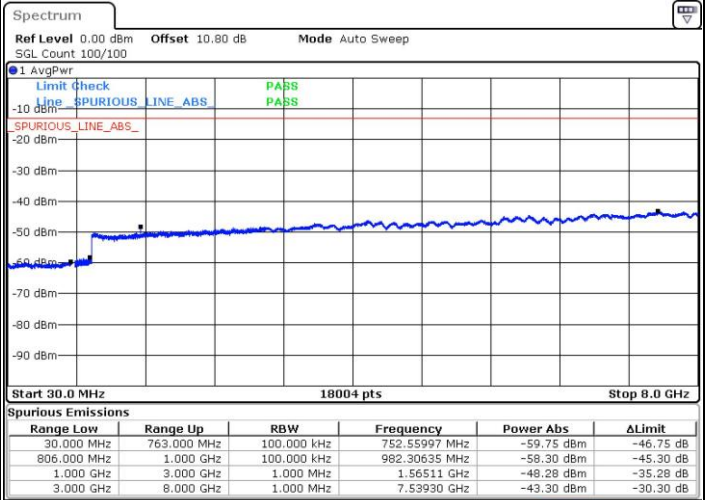
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 22 MAY 2018 16:35:53

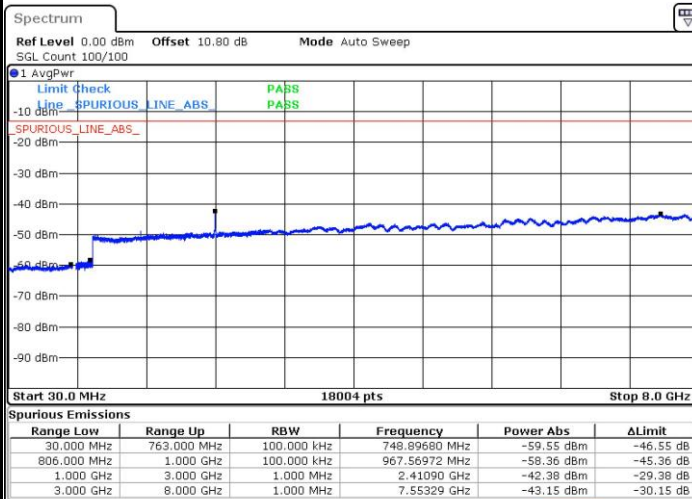
Highest Channel / 16QAM



Date: 22 MAY 2018 16:36:47

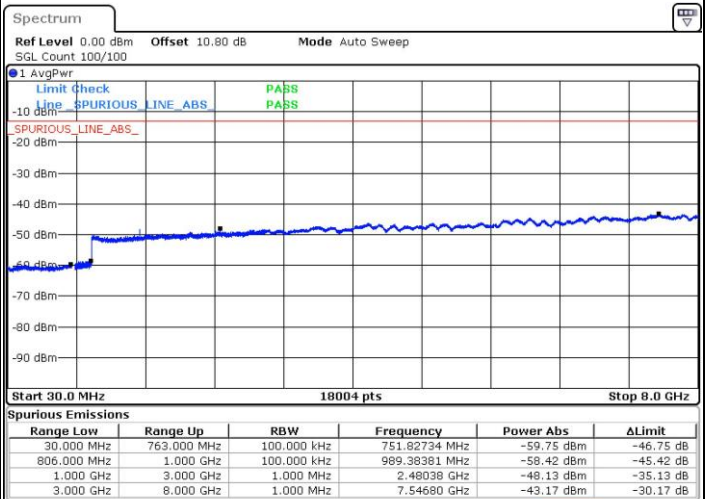
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 22 MAY 2018 16:49:14

Middle Channel / 16QAM



Date: 22 MAY 2018 16:48:20

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	0.0014	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =230 V. ; Battery End Point (BEP) =207 V. ; Maximum Voltage =253 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 17

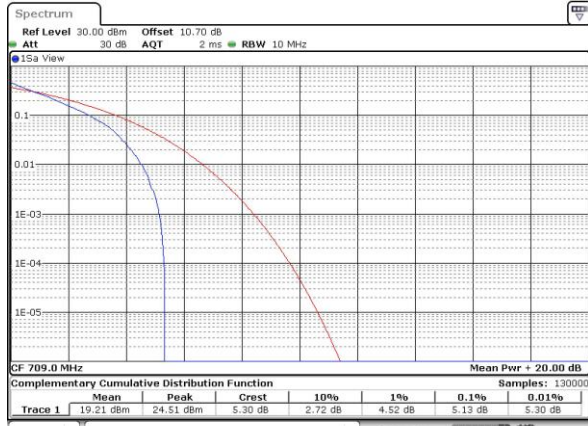
Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.13	5.39	6.09	6.2	PASS
Middle CH	4.58	5.45	6.06	6.26	
Highest CH	4.7	5.45	5.68	6.2	

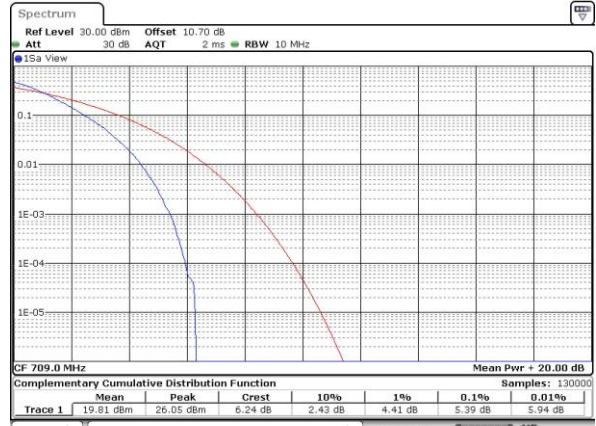


LTE Band 17 / 10MHz / QPSK

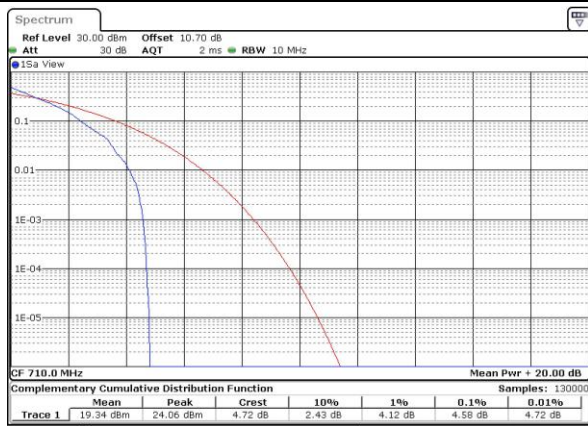
Lowest Channel / 1RB



Lowest Channel / Full RB



Middle Channel/ 1RB



Middle Channel / Full RB



Highest Channel/ 1RB



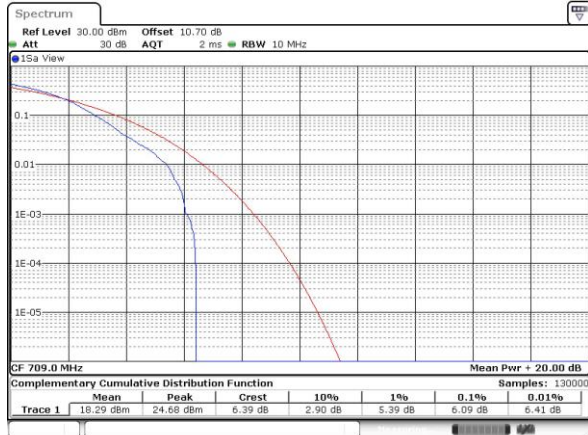
Highest Channel / Full RB





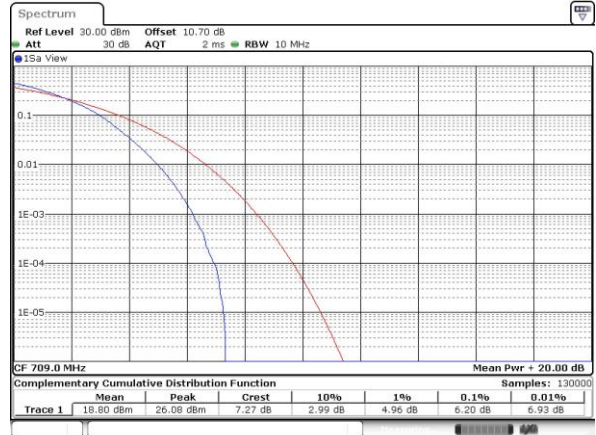
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



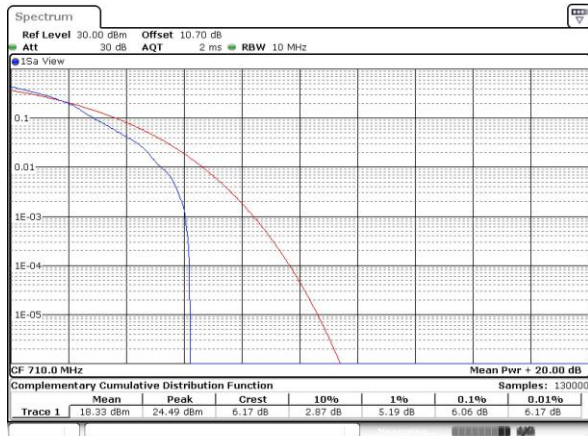
Date: 22 MAY 2018 14:27:27

Lowest Channel / Full RB



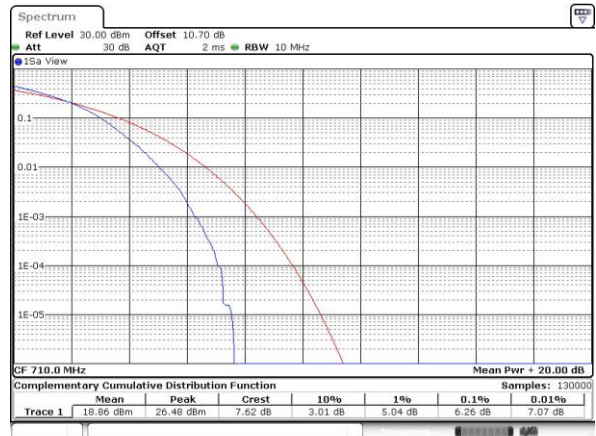
Date: 22 MAY 2018 14:27:37

Middle Channel/ 1RB



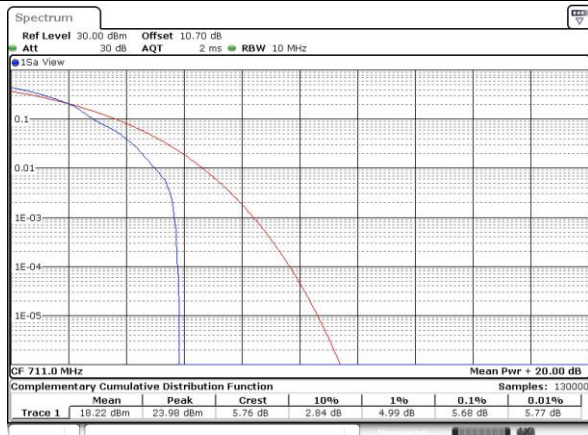
Date: 22 MAY 2018 14:27:47

Middle Channel / Full RB



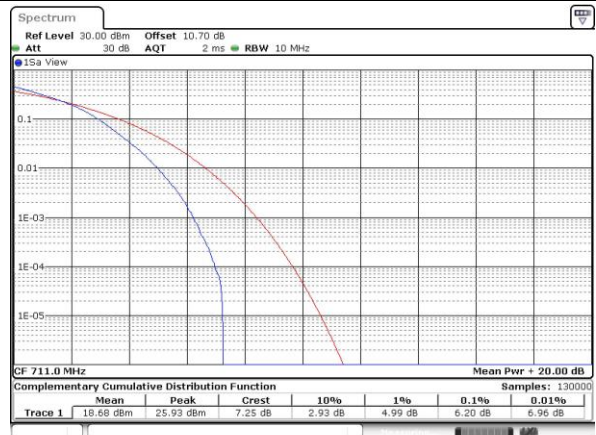
Date: 22 MAY 2018 14:27:58

Highest Channel/ 1RB



Date: 22 MAY 2018 14:28:09

Highest Channel / Full RB



Date: 22 MAY 2018 14:28:26

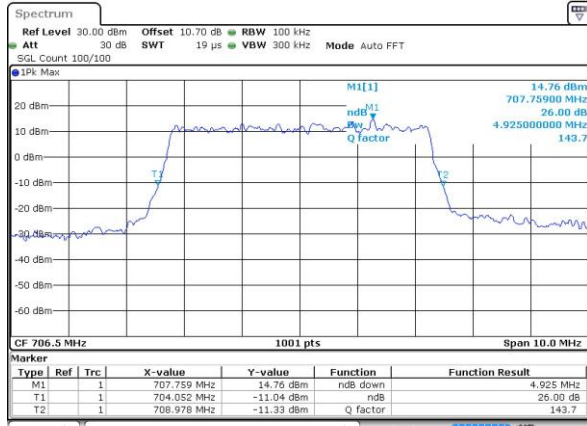
**26dB Bandwidth**

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	-	-	-	-	4.93	5.03	10.09	9.77	-	-	-	-
Middle CH	-	-	-	-	5.00	4.96	9.71	9.83	-	-	-	-
Highest CH	-	-	-	-	4.94	5.02	9.97	9.85	-	-	-	-



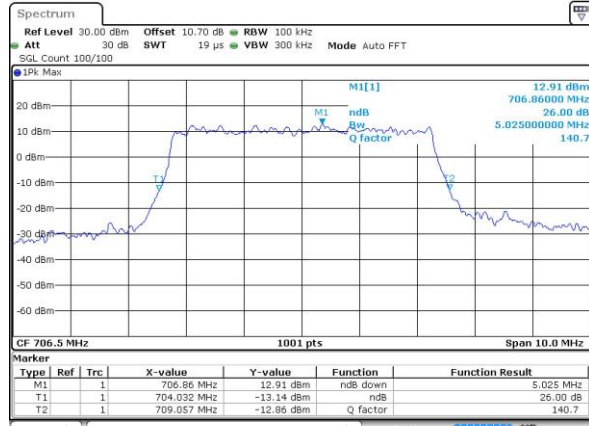
LTE Band 17

Lowest Channel / 5MHz / QPSK



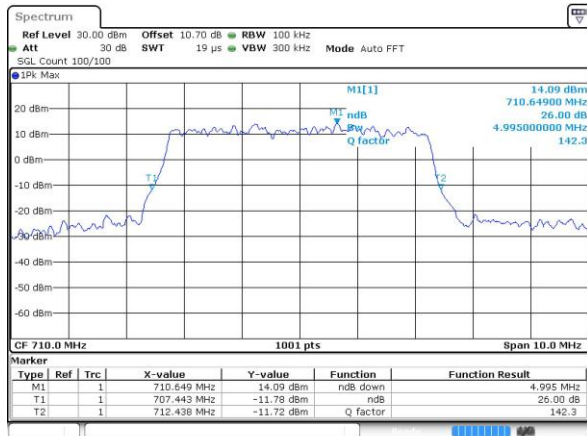
Date: 22 MAY 2018 13:46:18

Lowest Channel / 5MHz / 16QAM



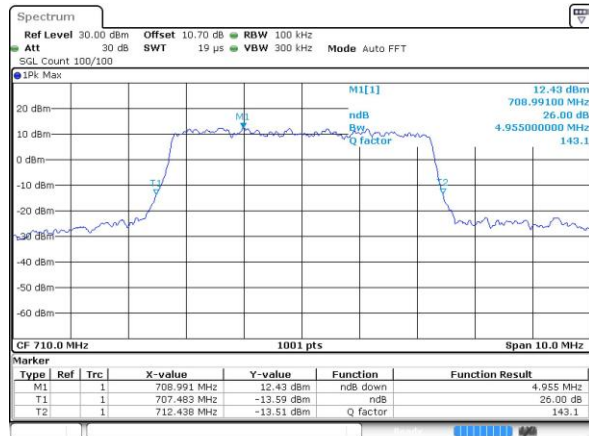
Date: 22 MAY 2018 13:46:29

Middle Channel / 5MHz / QPSK



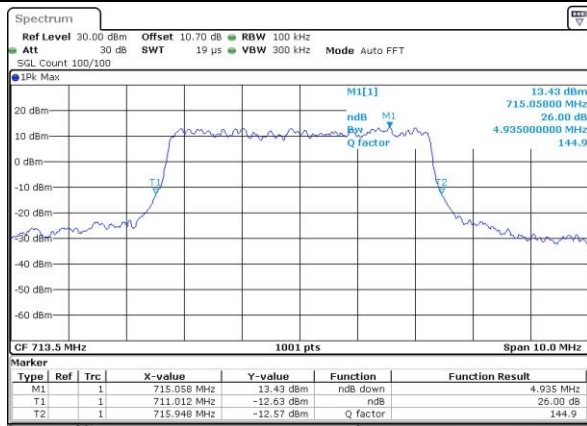
Date: 22 MAY 2018 13:53:25

Middle Channel / 5MHz / 16QAM



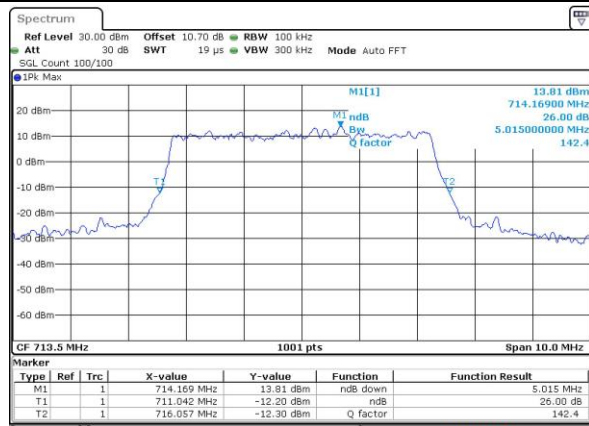
Date: 22 MAY 2018 13:53:36

Highest Channel / 5MHz / QPSK



Date: 22 MAY 2018 13:55:56

Highest Channel / 5MHz / 16QAM

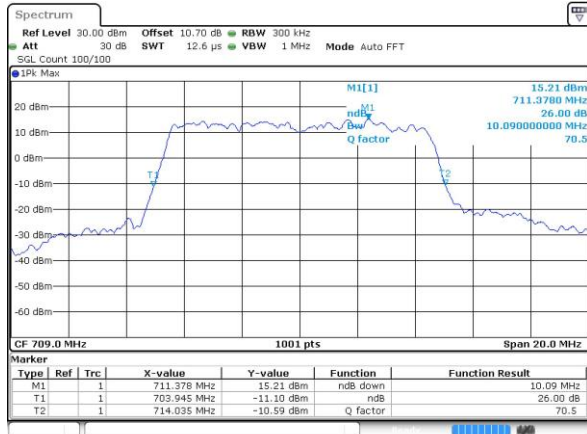


Date: 22 MAY 2018 13:56:06



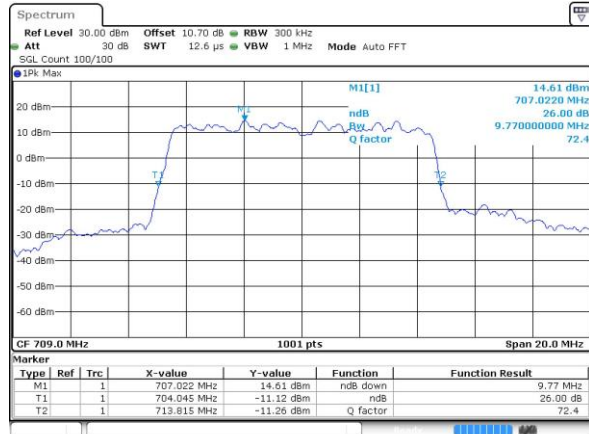
LTE Band 17

Lowest Channel / 10MHz / QPSK



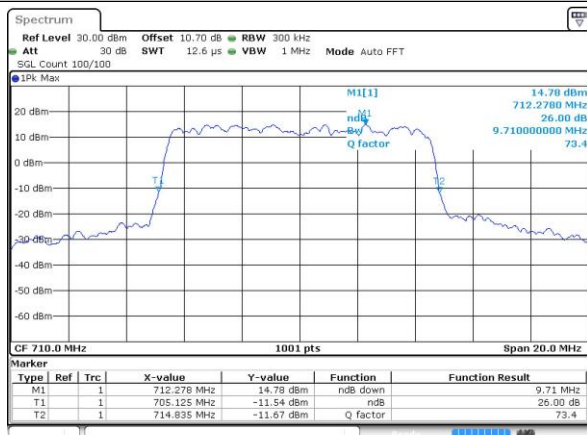
Date: 22 MAY 2018 14:03:02

Lowest Channel / 10MHz / 16QAM



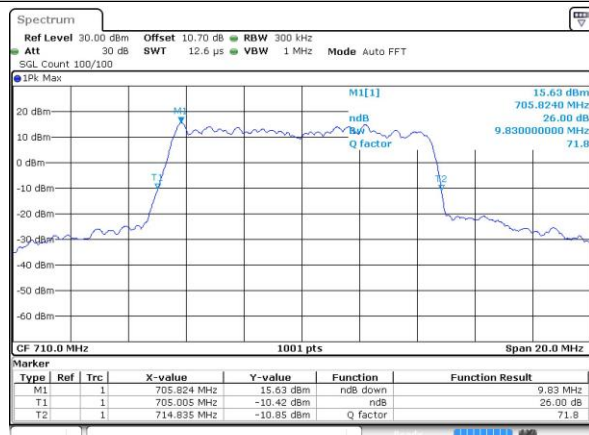
Date: 22 MAY 2018 14:03:13

Middle Channel / 10MHz / QPSK



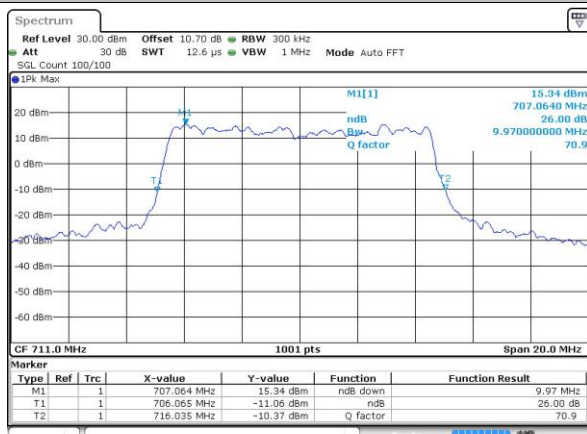
Date: 22 MAY 2018 14:10:09

Middle Channel / 10MHz / 16QAM



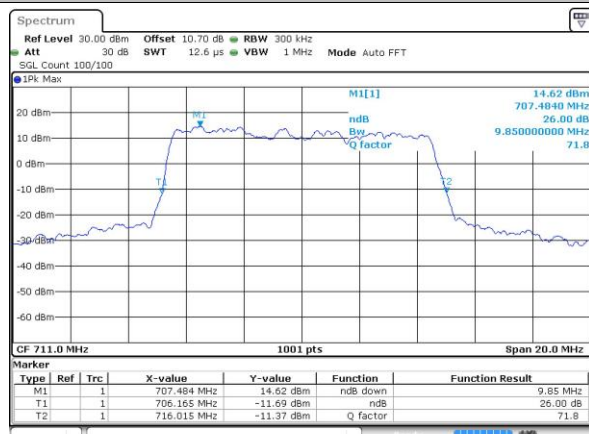
Date: 22 MAY 2018 14:10:20

Highest Channel / 10MHz / QPSK



Date: 22 MAY 2018 14:12:40

Highest Channel / 10MHz / 16QAM



Date: 22 MAY 2018 14:12:50



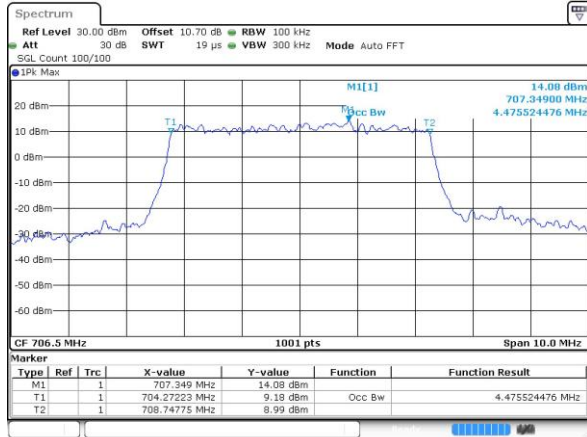
Occupied Bandwidth

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	-	-	-	-	4.48	4.49	9.03	8.99	-	-	-	-
Middle CH	-	-	-	-	4.5	4.47	9.05	9.05	-	-	-	-
Highest CH	-	-	-	-	4.5	4.51	9.01	9.07	-	-	-	-

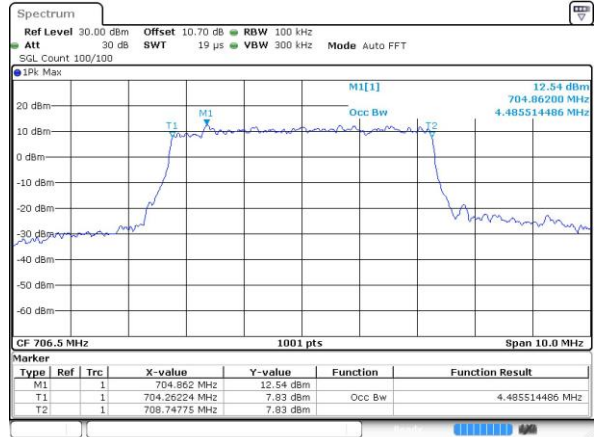


LTE Band 17

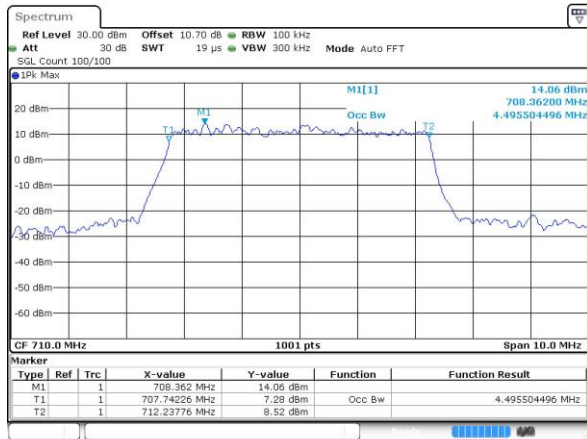
Lowest Channel / 5MHz / QPSK



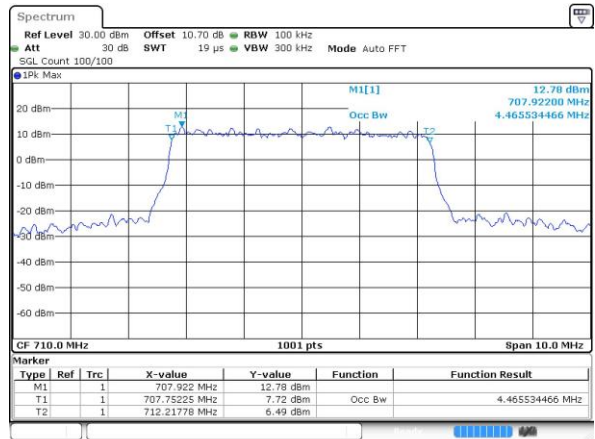
Lowest Channel / 5MHz / 16QAM



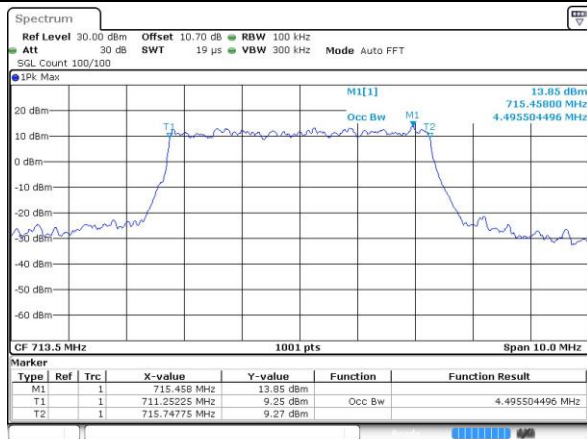
Middle Channel / 5MHz / QPSK



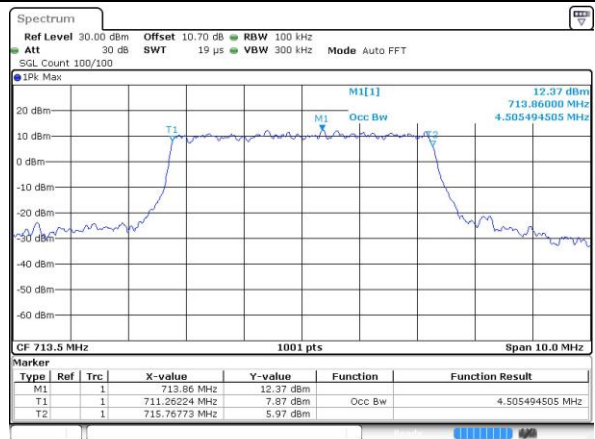
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



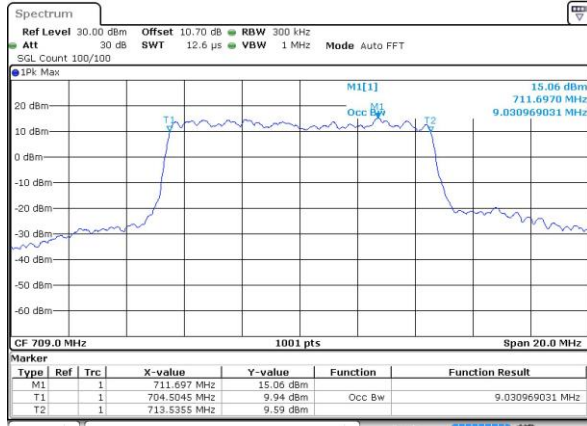
Highest Channel / 5MHz / 16QAM





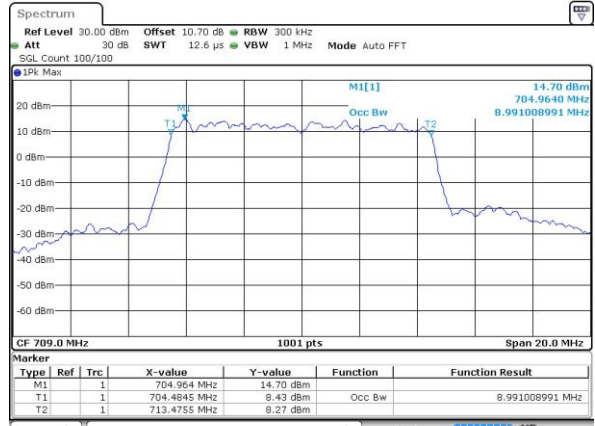
LTE Band 17

Lowest Channel / 10MHz / QPSK



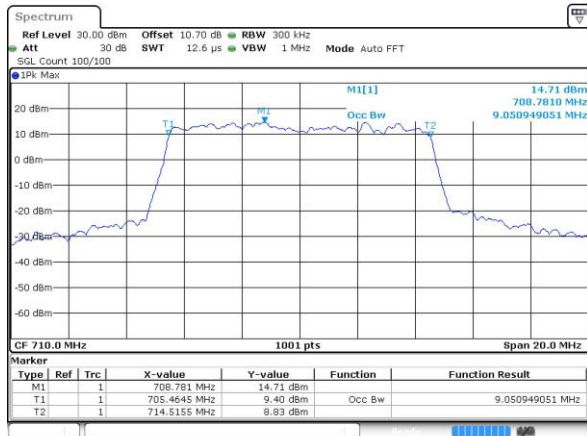
Date: 22 MAY 2018 14:02:41

Lowest Channel / 10MHz / 16QAM



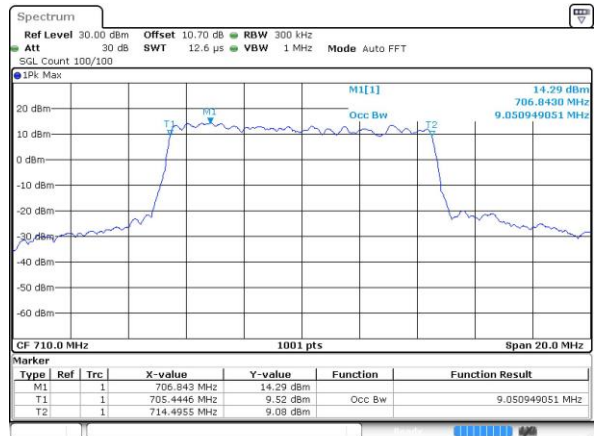
Date: 22 MAY 2018 14:02:52

Middle Channel / 10MHz / QPSK



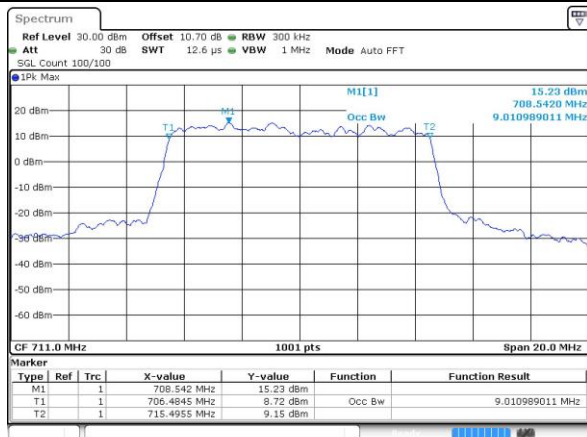
Date: 22 MAY 2018 14:09:48

Middle Channel / 10MHz / 16QAM



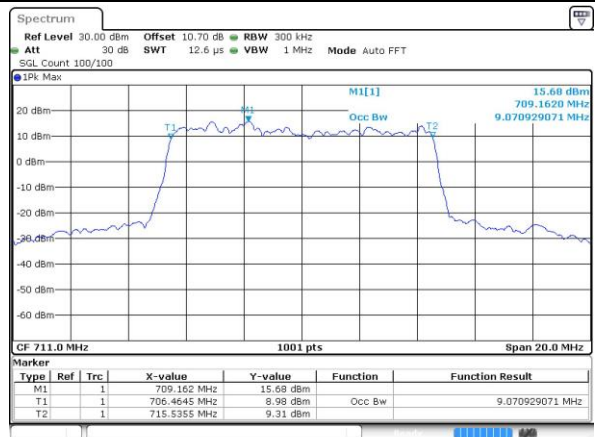
Date: 22 MAY 2018 14:09:59

Highest Channel / 10MHz / QPSK



Date: 22 MAY 2018 14:12:19

Highest Channel / 10MHz / 16QAM



Date: 22 MAY 2018 14:12:29

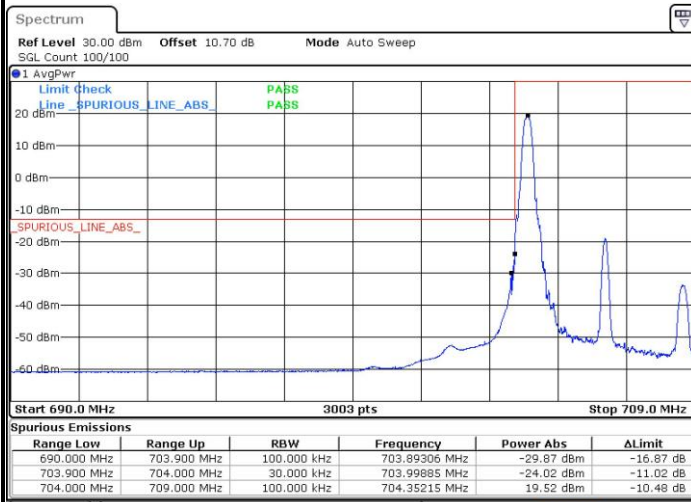


Conducted Band Edge



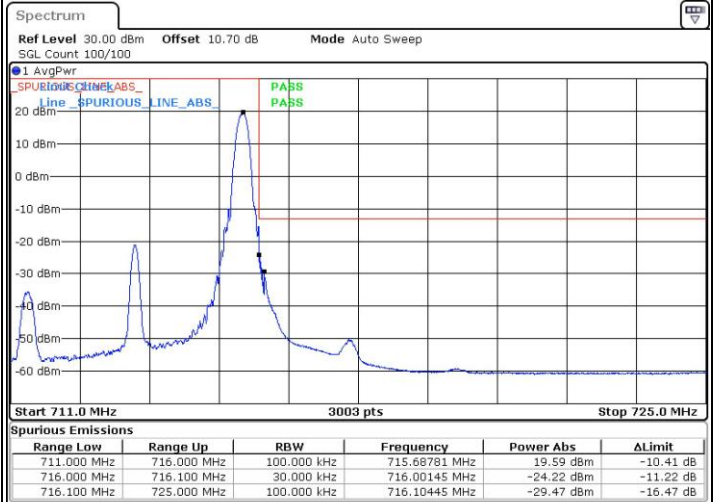
LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB



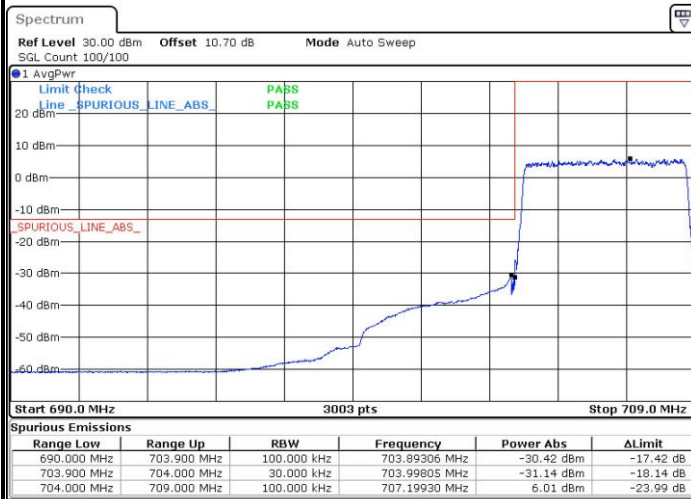
Date: 22 MAY 2018 13:47:37

Highest Band Edge / 1 RB



Date: 22 MAY 2018 13:57:15

Lowest Band Edge / Full RB



Date: 22 MAY 2018 13:49:56

Highest Band Edge / Full RB

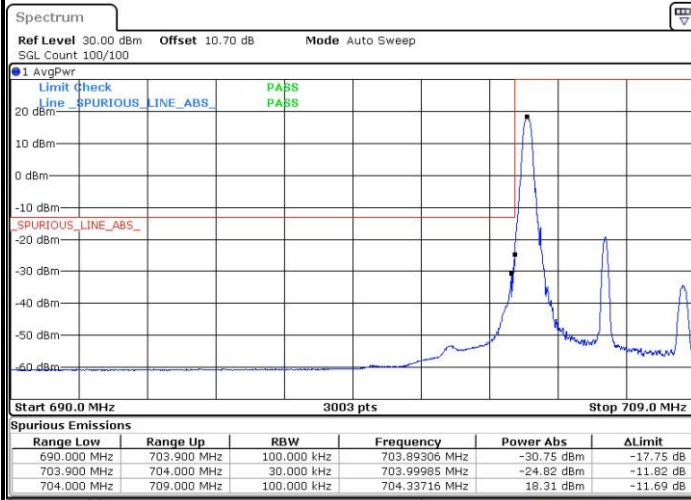


Date: 22 MAY 2018 13:59:33

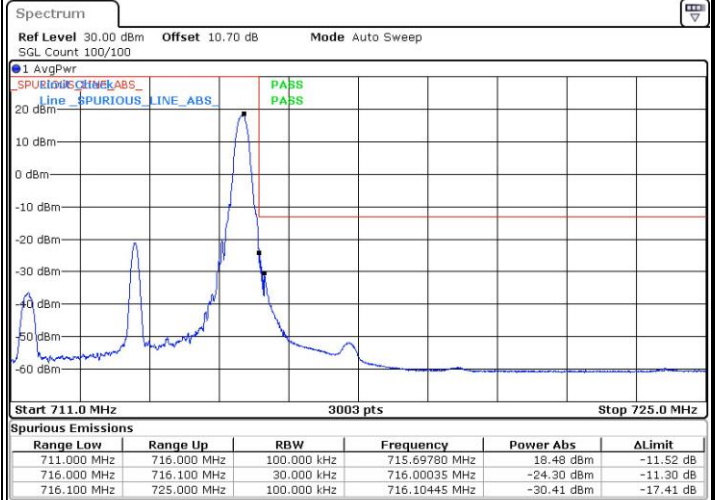


LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



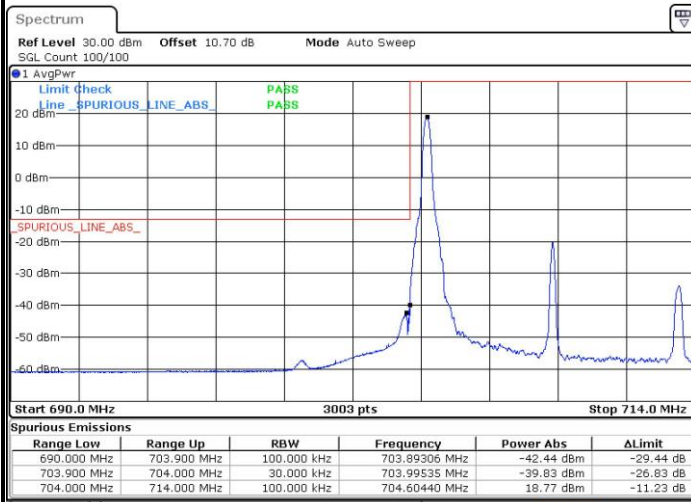
Highest Band Edge / Full RB





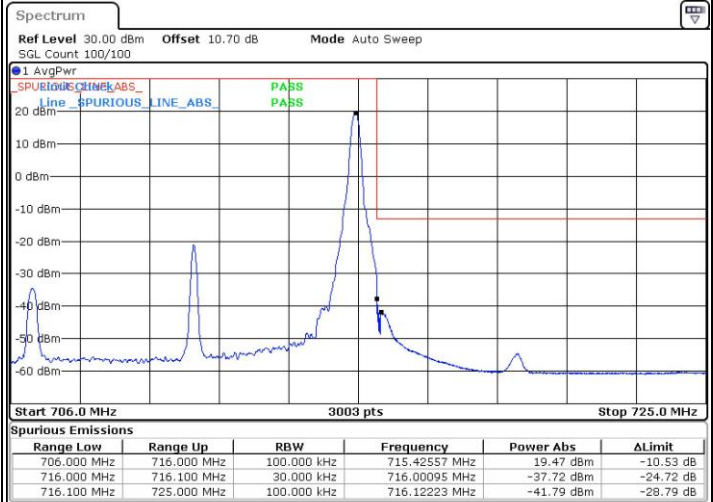
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB



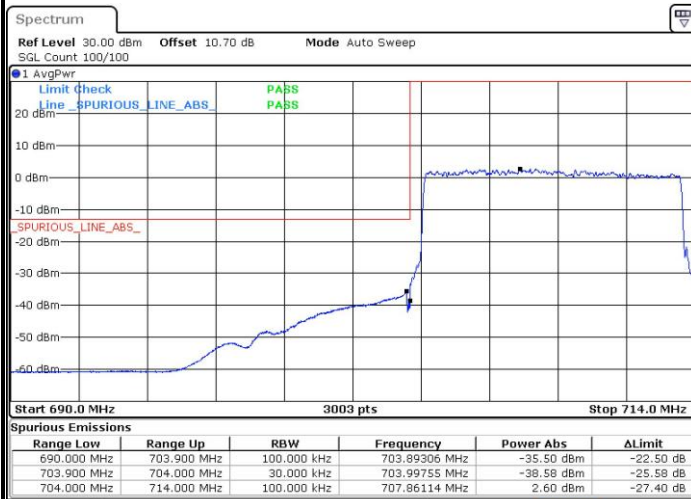
Date: 22 MAY 2018 14:04:21

Highest Band Edge / 1 RB



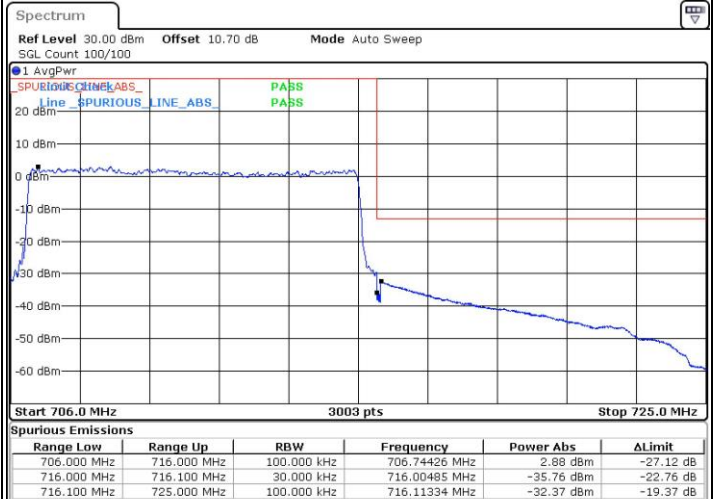
Date: 22 MAY 2018 14:13:59

Lowest Band Edge / Full RB



Date: 22 MAY 2018 14:06:40

Highest Band Edge / Full RB

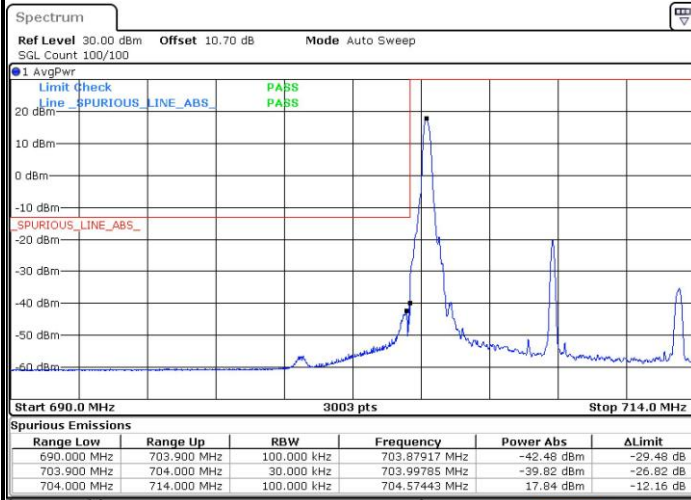


Date: 22 MAY 2018 14:16:17

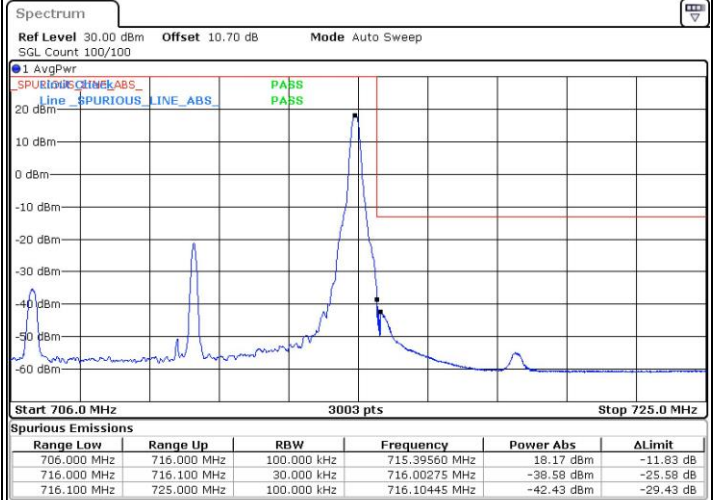


LTE Band 17 / 10MHz / 16QAM

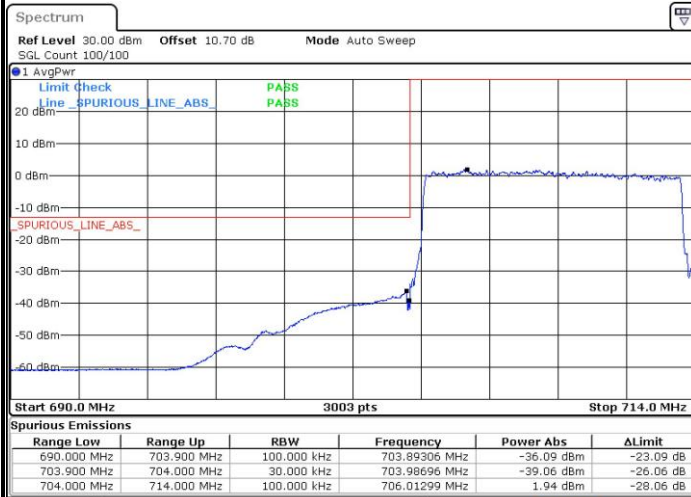
Lowest Band Edge / 1 RB



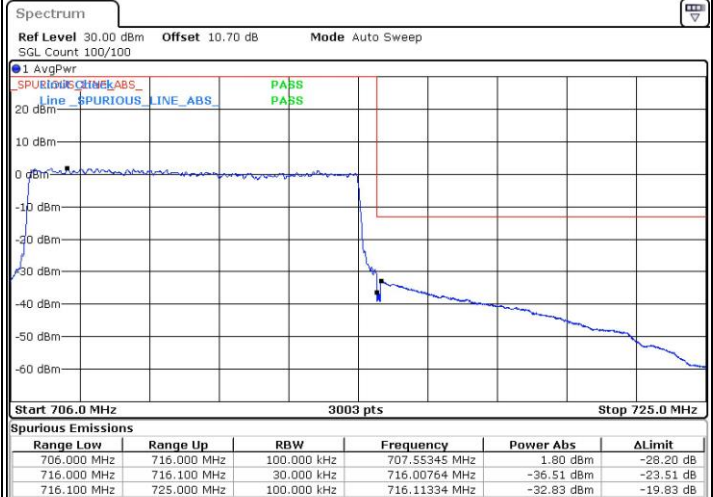
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



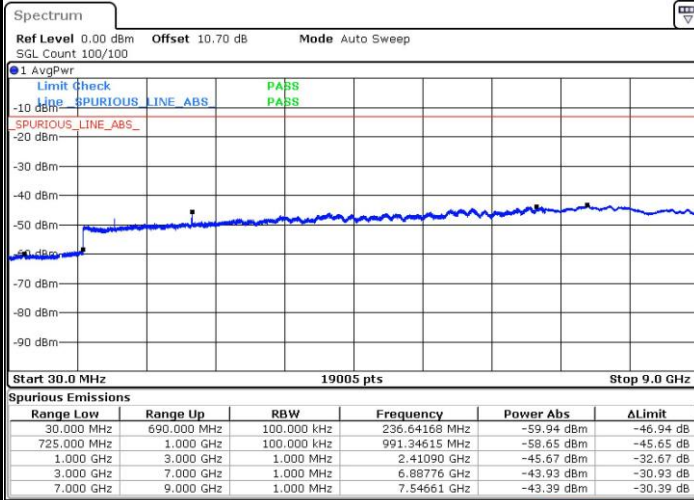


Conducted Spurious Emission



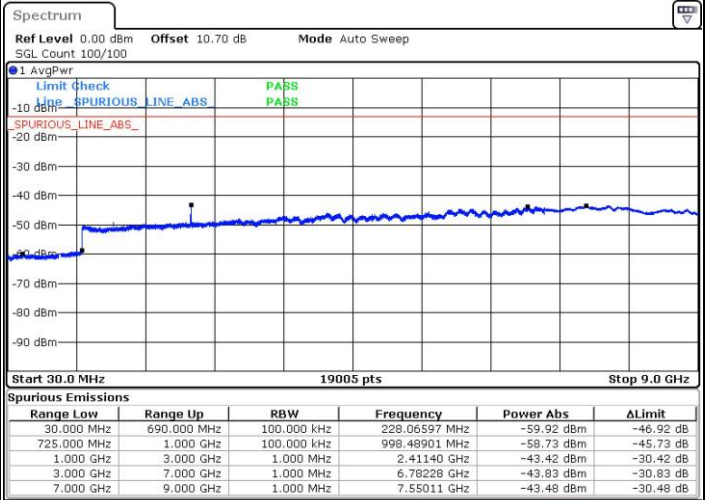
LTE Band 17 / 5MHz

Lowest Channel / QPSK



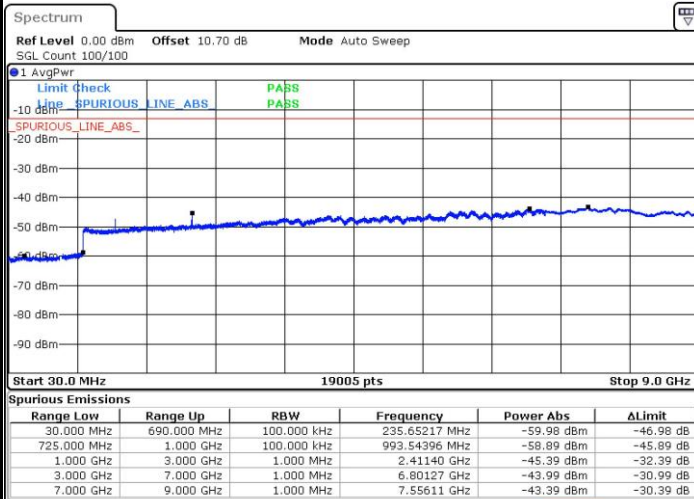
Date: 22 MAY 2018 13:52:00

Lowest Channel / 16QAM



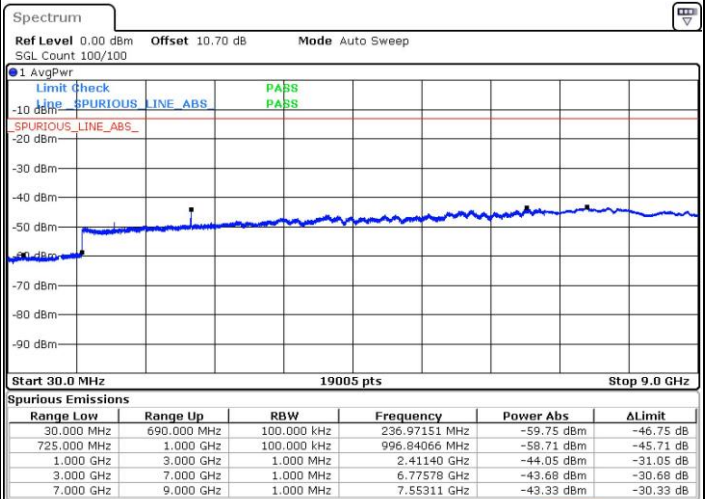
Date: 22 MAY 2018 13:52:54

Middle Channel / QPSK



Date: 22 MAY 2018 13:54:30

Middle Channel / 16QAM

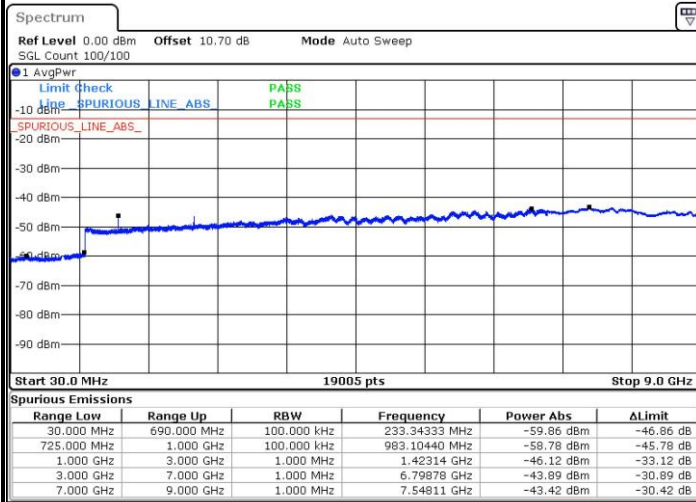


Date: 22 MAY 2018 13:55:24



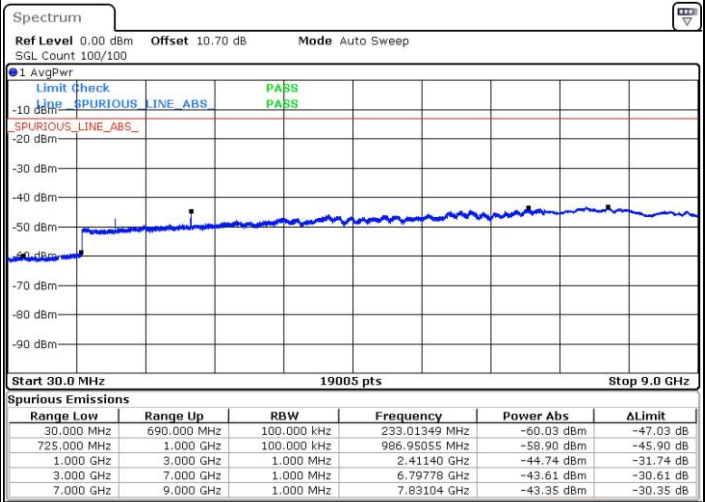
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 22 MAY 2018 14:01:37

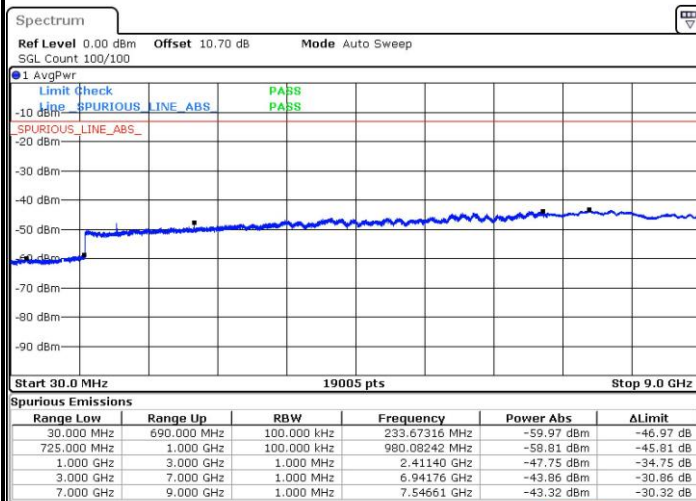
Highest Channel / 16QAM



Date: 22 MAY 2018 14:02:31

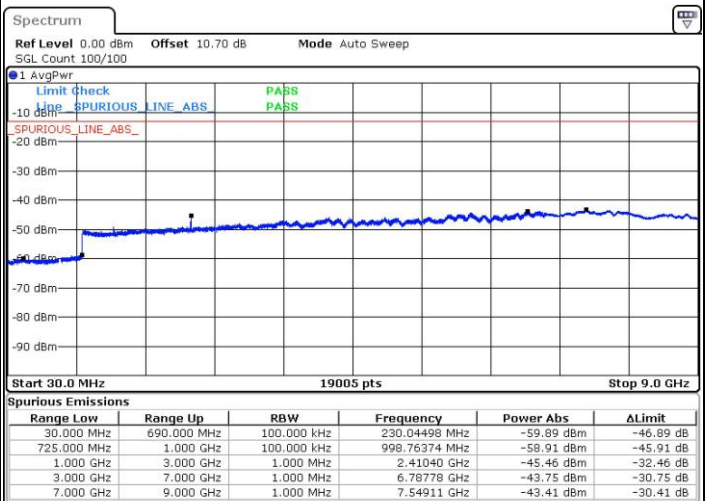
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 22 MAY 2018 14:08:44

Lowest Channel / 16QAM

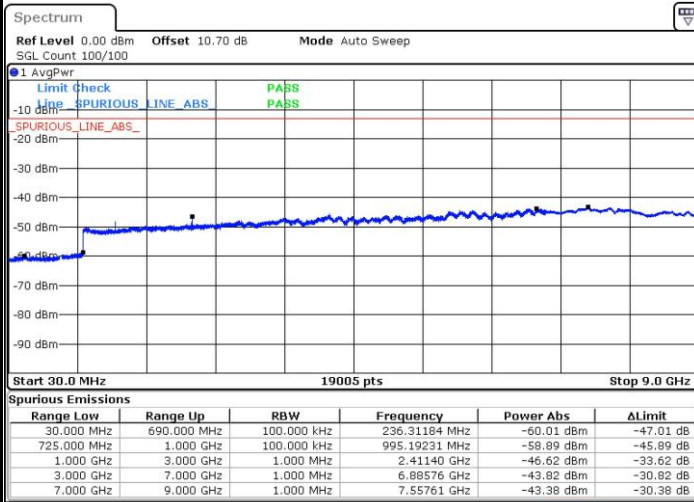


Date: 22 MAY 2018 14:09:38



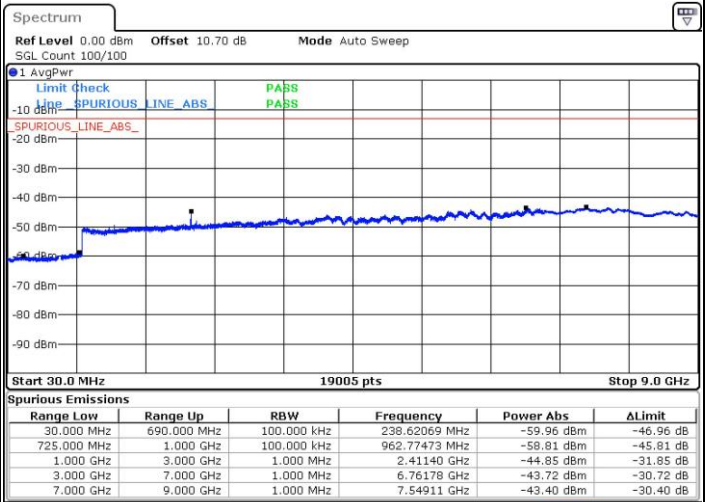
LTE Band 17 / 10MHz

Middle Channel / QPSK



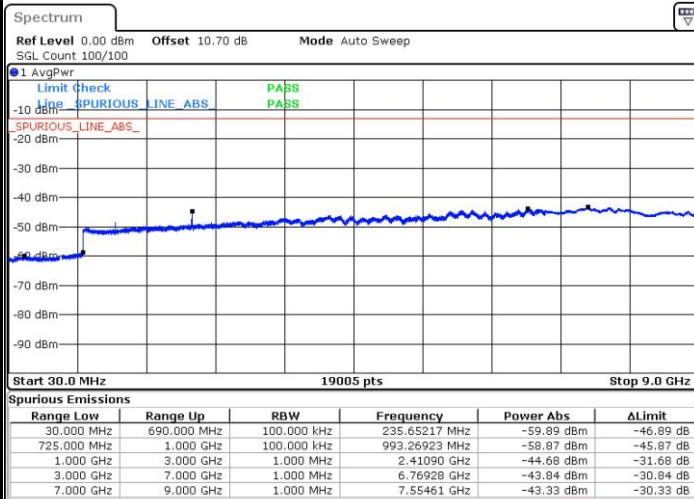
Date: 22 MAY 2018 14:11:14

Middle Channel / 16QAM



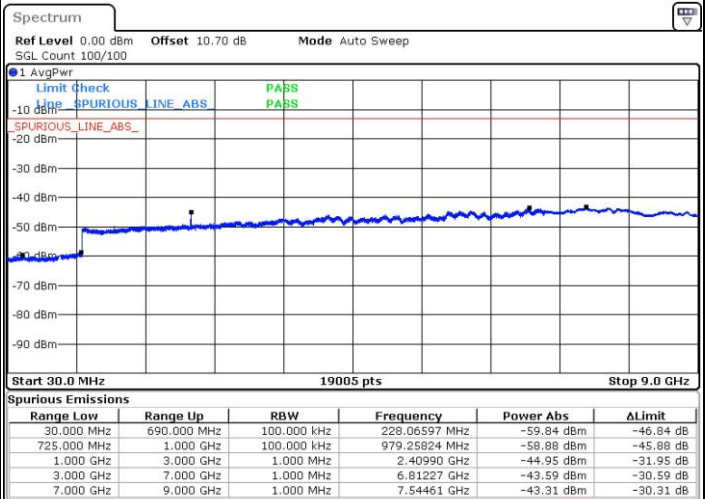
Date: 22 MAY 2018 14:12:08

Highest Channel / QPSK



Date: 22 MAY 2018 14:18:21

Highest Channel / 16QAM



Date: 22 MAY 2018 14:19:15

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	0.0072	PASS
40	Normal Voltage	0.0055	
30	Normal Voltage	0.0058	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0041	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0045	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =230 V. ; Battery End Point (BEP) =207 V. ; Maximum Voltage =253 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 = 3.83 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	23.32	0.2148	27.15	0.5188
Middle		3	1	23.19	0.2084	27.02	0.5035
Highest		3	1	22.09	0.1618	25.92	0.3908
Lowest	16QAM	3	3	22.40	0.1738	26.23	0.4198
Middle		3	3	22.29	0.1694	26.12	0.4093
Highest		3	3	21.03	0.1268	24.86	0.3062
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 3.83 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	23.32	0.2148	27.15	0.5188
Middle		1	8	23.15	0.2065	26.98	0.4989
Highest		1	8	22.10	0.1622	25.93	0.3917
Lowest	16QAM	1	14	22.41	0.1742	26.24	0.4207
Middle		1	14	22.07	0.1611	25.90	0.3890
Highest		1	14	21.04	0.1271	24.87	0.3069
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 3.83 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.30	0.2138	27.13	0.5164
Middle		1	12	23.12	0.2051	26.95	0.4955
Highest		1	12	22.34	0.1714	26.17	0.4140
Lowest	16QAM	1	12	22.46	0.1762	26.29	0.4256
Middle		1	12	22.10	0.1622	25.93	0.3917
Highest		1	12	21.32	0.1355	25.15	0.3273
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 3.83 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	23.29	0.2133	27.12	0.5152
Middle		1	25	23.08	0.2032	26.91	0.4909
Highest		1	25	22.32	0.1706	26.15	0.4121
Lowest	16QAM	1	25	22.42	0.1746	26.25	0.4217
Middle		1	25	21.97	0.1574	25.80	0.3802
Highest		1	25	21.43	0.1390	25.26	0.3357
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 3.83 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.31	0.2143	27.14	0.5176
Middle		1	0	22.97	0.1982	26.80	0.4786
Highest		1	0	22.68	0.1854	26.51	0.4477
Lowest	16QAM	1	37	22.50	0.1778	26.33	0.4295
Middle		1	37	22.15	0.1641	25.98	0.3963
Highest		1	37	21.51	0.1416	25.34	0.3420
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 3.83 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.33	0.2153	27.16	0.5200
Middle		1	0	22.91	0.1954	26.74	0.4721
Highest		1	0	22.62	0.1828	26.45	0.4416
Lowest	16QAM	1	0	22.23	0.1671	26.06	0.4036
Middle		1	0	21.81	0.1517	25.64	0.3664
Highest		1	0	21.56	0.1432	25.39	0.3459
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 3.83 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.68	0.2333	27.51	0.5636
Middle		1	0	23.52	0.2249	27.35	0.5433
Highest		1	0	23.60	0.2291	27.43	0.5534
Lowest	16QAM	3	1	22.99	0.1991	26.82	0.4808
Middle		3	1	22.45	0.1758	26.28	0.4246
Highest		3	1	22.39	0.1734	26.22	0.4188
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 3.83 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	14	23.66	0.2323	27.49	0.5610
Middle		1	14	23.57	0.2275	27.40	0.5495
Highest		1	14	23.06	0.2023	26.89	0.4887
Lowest	16QAM	1	14	22.74	0.1879	26.57	0.4539
Middle		1	14	22.46	0.1762	26.29	0.4256
Highest		1	14	22.36	0.1722	26.19	0.4159
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 3.83 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	23.47	0.2223	27.30	0.5370
Middle		1	24	23.61	0.2296	27.44	0.5546
Highest		1	24	23.32	0.2148	27.15	0.5188
Lowest	16QAM	1	0	22.62	0.1828	26.45	0.4416
Middle		1	0	22.79	0.1901	26.62	0.4592
Highest		1	0	22.32	0.1706	26.15	0.4121
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 3.83 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.63	0.2307	27.46	0.5572
Middle		1	0	23.67	0.2328	27.50	0.5623
Highest		1	0	23.31	0.2143	27.14	0.5176
Lowest	16QAM	1	0	22.68	0.1854	26.51	0.4477
Middle		1	0	22.38	0.1730	26.21	0.4178
Highest		1	0	22.34	0.1714	26.17	0.4140
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 3.83 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.66	0.2323	27.49	0.5610
Middle		1	0	23.48	0.2228	27.31	0.5383
Highest		1	0	23.40	0.2188	27.23	0.5284
Lowest	16QAM	1	37	22.63	0.1832	26.46	0.4426
Middle		1	37	22.40	0.1738	26.23	0.4198
Highest		1	37	22.39	0.1734	26.22	0.4188
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 3.83 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.70	0.2344	27.53	0.5662
Middle		1	0	23.48	0.2228	27.31	0.5383
Highest		1	0	23.53	0.2254	27.36	0.5445
Lowest	16QAM	1	0	22.61	0.1824	26.44	0.4406
Middle		1	0	22.56	0.1803	26.39	0.4355
Highest		1	0	22.68	0.1854	26.51	0.4477
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = 3.53 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	22.96	0.1977	24.34	0.2716
Middle		1	3	23.05	0.2018	24.43	0.2773
Highest		1	3	22.90	0.1950	24.28	0.2679
Lowest	16QAM	3	0	21.97	0.1574	23.35	0.2163
Middle		3	0	22.15	0.1641	23.53	0.2254
Highest		3	0	21.97	0.1574	23.35	0.2163
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 3.53 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	14	22.98	0.1986	24.36	0.2729
Middle		1	14	23.05	0.2018	24.43	0.2773
Highest		1	14	22.81	0.1910	24.19	0.2624
Lowest	16QAM	1	0	22.11	0.1626	23.49	0.2234
Middle		1	0	22.07	0.1611	23.45	0.2213
Highest		1	0	21.90	0.1549	23.28	0.2128
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 3.53 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	22.89	0.1945	24.27	0.2673
Middle		1	24	23.05	0.2018	24.43	0.2773
Highest		1	24	22.80	0.1905	24.18	0.2618
Lowest	16QAM	1	12	21.82	0.1521	23.20	0.2089
Middle		1	12	21.97	0.1574	23.35	0.2163
Highest		1	12	22.14	0.1637	23.52	0.2249
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz (Average) (GT - LC = 3.53 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.84	0.1923	24.22	0.2642
Middle		1	0	23.06	0.2023	24.44	0.2780
Highest		1	0	22.98	0.1986	24.36	0.2729
Lowest	16QAM	1	0	22.05	0.1603	23.43	0.2203
Middle		1	0	21.93	0.1560	23.31	0.2143
Highest		1	0	22.07	0.1611	23.45	0.2213
Limit	ERP < 7W			Result		PASS	



LTE Band 13 / 5MHz (Average) (GT - LC = 3.53 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	22.71	0.1866	24.09	0.2564
Middle		1	24	22.64	0.1837	24.02	0.2523
Highest		1	24	22.84	0.1923	24.22	0.2642
Lowest	16QAM	1	24	22.70	0.1862	24.08	0.2559
Middle		1	24	22.69	0.1858	24.07	0.2553
Highest		1	24	22.78	0.1897	24.16	0.2606
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = 3.53 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	22.87	0.1936	24.25	0.2661
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	49	22.73	0.1875	24.11	0.2576
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	



LTE Band 17 / 5MHz (Average) (GT - LC = 3.53 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.57	0.1807	23.95	0.2483
Middle		1	0	22.72	0.1871	24.10	0.2570
Highest		1	0	22.65	0.1841	24.03	0.2529
Lowest	16QAM	1	24	21.87	0.1538	23.25	0.2113
Middle		1	24	21.69	0.1476	23.07	0.2028
Highest		1	24	21.44	0.1393	22.82	0.1914
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average) (GT - LC = 3.53 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.43	0.1750	23.81	0.2404
Middle		1	0	22.73	0.1875	24.11	0.2576
Highest		1	0	22.63	0.1832	24.01	0.2518
Lowest	16QAM	1	25	21.79	0.1510	23.17	0.2075
Middle		1	25	21.51	0.1416	22.89	0.1945
Highest		1	25	21.75	0.1496	23.13	0.2056
Limit	ERP < 3W			Result		PASS	

**Radiated Spurious Emission****Part 24E 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	-55.17	-13	-42.17	-73.03	-65.48	1.97	12.28	H
	5555	-56.48	-13	-43.48	-77.76	-66.61	2.14	12.28	H
	7403	-52.10	-13	-39.10	-76.86	-60.10	2.17	10.17	H
									H
	3700	-52.70	-13	-39.70	-69.96	-63.01	1.97	12.28	V
	5555	-55.60	-13	-42.60	-77.12	-65.73	2.14	12.28	V
	7403	-53.19	-13	-40.19	-77.01	-61.19	2.17	10.17	V
									V
Middle	3742	-49.83	-13	-36.83	-67.54	-60.09	2.00	12.25	H
	5611	-53.79	-13	-40.79	-74.96	-64.02	2.13	12.36	H
	7487	-51.36	-13	-38.36	-76.78	-59.26	2.12	10.02	H
									H
	3742	-49.35	-13	-36.35	-66.54	-59.61	2.00	12.25	V
	5611	-50.05	-13	-37.05	-71.41	-60.28	2.13	12.36	V
	7487	-52.11	-13	-39.11	-76.67	-60.01	2.12	10.02	V
									V
Highest	3784	-50.12	-13	-37.12	-67.72	-60.33	2.02	12.23	H
	5674	-49.52	-13	-36.52	-70.72	-59.85	2.11	12.44	H
	7564	-51.83	-13	-38.83	-77.22	-59.95	2.11	10.23	H
									H
	3784	-46.76	-13	-33.76	-63.9	-56.97	2.02	12.23	V
	5674	-46.26	-13	-33.26	-67.62	-56.59	2.11	12.44	V
	7564	-52.29	-13	-39.29	-77.1	-60.41	2.11	10.23	V
									V

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

**Part 27L 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	3420	-57.87	-13	-44.87	-74.71	-68.23	1.80	12.16	H
	5130	-56.10	-13	-43.10	-76.72	-65.92	2.31	12.13	H
	6840	-53.58	-13	-40.58	-76.91	-62.27	2.37	11.06	H
									H
	3420	-58.42	-13	-45.42	-74.79	-68.78	1.80	12.16	V
	5130	-57.03	-13	-44.03	-77.59	-66.85	2.31	12.13	V
	6840	-54.54	-13	-41.54	-77.19	-63.23	2.37	11.06	V
									V
Middle	3448	-55.99	-13	-42.99	-73	-66.41	1.83	12.24	H
	5172	-56.29	-13	-43.29	-76.93	-66.13	2.29	12.13	H
	6896	-52.93	-13	-39.93	-76.55	-61.55	2.38	11.00	H
									H
	3448	-56.69	-13	-43.69	-73.23	-67.11	1.83	12.24	V
	5172	-56.54	-13	-43.54	-77.1	-66.38	2.29	12.13	V
	6896	-54.04	-13	-41.04	-76.84	-62.66	2.38	11.00	V
									V
Highest	3476	-58.82	-13	-45.82	-76.18	-69.30	1.85	12.33	H
	5214	-57.17	-13	-44.17	-77.83	-67.04	2.27	12.14	H
	6952	-53.10	-13	-40.10	-77.01	-61.64	2.40	10.95	H
									H
	3476	-58.83	-13	-45.83	-75.73	-69.31	1.85	12.33	V
	5214	-57.54	-13	-44.54	-78.09	-67.41	2.27	12.14	V
	6952	-54.12	-13	-41.12	-77.07	-62.66	2.40	10.95	V
									V

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

**Part 22H LTE Band 5**

LTE Band 5 / 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	1648	-49.47	-13	-36.47	-61.99	-54.86	1.23	8.76	H
	2472	-44.85	-13	-31.85	-60.18	-51.74	1.44	10.48	H
	3296	-59.65	-13	-46.65	-76.72	-67.59	1.70	11.79	H
									H
	1648	-55.33	-13	-42.33	-65.56	-60.72	1.23	8.76	V
	2472	-46.84	-13	-33.84	-61.56	-53.73	1.44	10.48	V
	3296	-60.09	-13	-47.09	-76.71	-68.03	1.70	11.79	V
									V
Middle	1664	-51.62	-13	-38.62	-64.38	-57.06	1.23	8.82	H
	2496	-48.31	-13	-35.31	-63.52	-55.22	1.44	10.50	H
	3328	-59.06	-13	-46.06	-76	-67.07	1.73	11.88	H
									H
	1664	-55.62	-13	-42.62	-65.96	-61.06	1.23	8.82	V
	2496	-51.47	-13	-38.47	-66.17	-58.38	1.44	10.50	V
	3328	-59.95	-13	-46.95	-76.43	-67.96	1.73	11.88	V
									V
Highest	1680	-53.05	-13	-40.05	-66.04	-58.55	1.24	8.88	H
	2520	-52.79	-13	-39.79	-67.88	-59.72	1.44	10.52	H
	3360	-57.01	-13	-44.01	-73.88	-65.08	1.76	11.98	H
									H
	1680	-57.55	-13	-44.55	-68	-63.05	1.24	8.88	V
	2520	-55.38	-13	-42.38	-70.07	-62.31	1.44	10.52	V
	3360	-59.05	-13	-46.05	-75.46	-67.12	1.76	11.98	V
									V

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

**Part 27H LTE Band 17**

LTE Band 17 / 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	1408	-59.18	-13	-46.18	-70.41	-63.66	1.15	7.78	H
	2112	-55.99	-13	-42.99	-71.34	-62.65	1.38	10.19	H
	2816	-60.44	-13	-47.44	-76.45	-67.59	1.45	10.75	H
									H
	1408	-61.81	-13	-48.81	-72.25	-66.29	1.15	7.78	V
	2112	-57.42	-13	-44.42	-72.04	-64.08	1.38	10.19	V
	2816	-61.10	-13	-48.10	-76.67	-68.25	1.45	10.75	V
									V
Middle	1408	-57.79	-13	-44.79	-69.02	-62.27	1.15	7.78	H
	2120	-55.55	-13	-42.55	-70.90	-62.22	1.38	10.20	H
	2824	-60.59	-13	-47.59	-76.60	-67.75	1.45	10.76	H
									H
	1408	-61.18	-13	-48.18	-71.62	-65.66	1.15	7.78	V
	2120	-56.61	-13	-43.61	-71.23	-63.28	1.38	10.20	V
	2824	-61.34	-13	-48.34	-76.91	-68.50	1.45	10.76	V
									V
Highest	1416	-59.39	-13	-46.39	-70.62	-63.90	1.15	7.81	H
	2120	-56.71	-13	-43.71	-72.06	-63.38	1.38	10.20	H
	2826	-60.98	-13	-47.98	-77.07	-68.14	1.45	10.76	H
									H
	1416	-62.18	-13	-49.18	-72.62	-66.69	1.15	7.81	V
	2120	-57.32	-13	-44.32	-71.94	-63.99	1.38	10.20	V
	2826	-61.11	-13	-48.11	-76.68	-68.27	1.45	10.76	V
									V

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

**Part 27F LTE Band 13**

LTE Band 13 / 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	1560	-64.12	-42.15	-21.97	-75.92	-69.21	1.19	8.43	H
	2338	-60.61	-13	-47.61	-76.84	-67.42	1.41	10.37	H
	3120	-59.76	-13	-46.76	-76.99	-67.31	1.56	11.26	H
									H
	1560	-65.71	-42.15	-23.56	-76.02	-70.80	1.19	8.43	V
	2338	-61.66	-13	-48.66	-76.99	-68.47	1.41	10.37	V
	3120	-60.54	-13	-47.54	-77.09	-68.09	1.56	11.26	V
									V
Middle	1560	-64.02	-42.15	-21.87	-75.82	-69.11	1.19	8.43	H
	2346	-60.63	-13	-47.63	-76.76	-67.44	1.42	10.38	H
	3128	-59.66	-13	-46.66	-76.89	-67.23	1.56	11.28	H
									H
	1560	-65.62	-42.15	-23.47	-75.93	-70.71	1.19	8.43	V
	2346	-61.86	-13	-48.86	-77.05	-68.67	1.42	10.38	V
	3128	-60.35	-13	-47.35	-76.90	-67.92	1.56	11.28	V
									V
Highest	1569	-64.37	-42.15	-22.22	-76.18	-69.49	1.20	8.46	H
	2353	-60.62	-13	-47.62	-76.75	-67.44	1.42	10.38	H
	3138	-59.90	-13	-46.90	-77.20	-67.49	1.57	11.31	H
									H
	1569	-66.02	-42.15	-23.87	-76.13	-71.14	1.20	8.46	V
	2353	-61.92	-13	-48.92	-77.11	-68.74	1.42	10.38	V
	3138	-60.53	-13	-47.53	-77.21	-68.12	1.57	11.31	V
									V

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



LTE Band 13 / 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)
Middle	1560	-64.25	-42.15	-22.10	-76.05	-69.34	1.19	8.43	H
	2346	-60.81	-13	-47.81	-76.94	-67.62	1.42	10.38	H
	3128	-59.63	-13	-46.63	-76.86	-67.20	1.56	11.28	H
									H
	1560	-65.86	-42.15	-23.71	-76.17	-70.95	1.19	8.43	V
	2346	-61.82	-13	-48.82	-77.01	-68.63	1.42	10.38	V
	3128	-60.20	-13	-47.20	-76.75	-67.77	1.56	11.28	V
									V

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