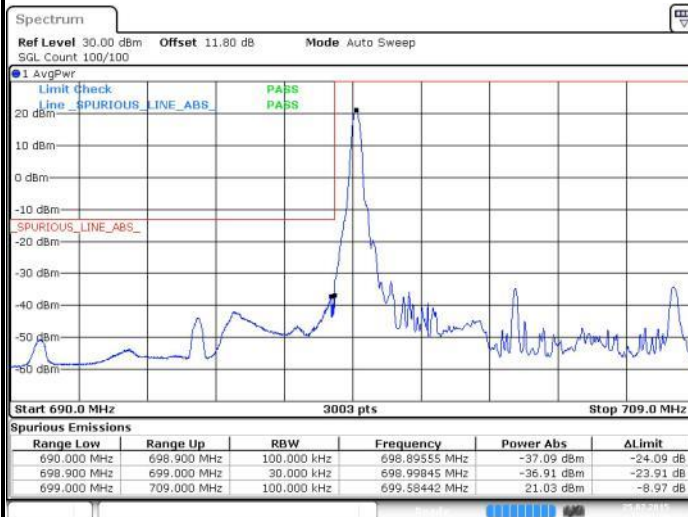


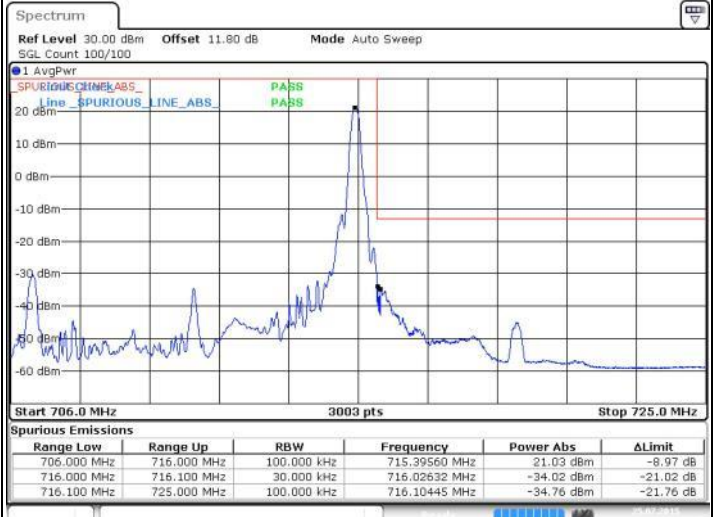


LTE Band 12 / 10MHz / QPSK

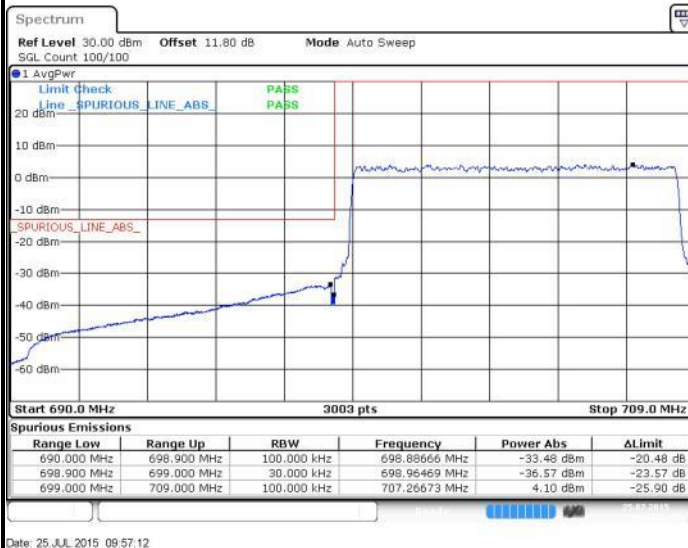
Lowest Band Edge / 1 RB



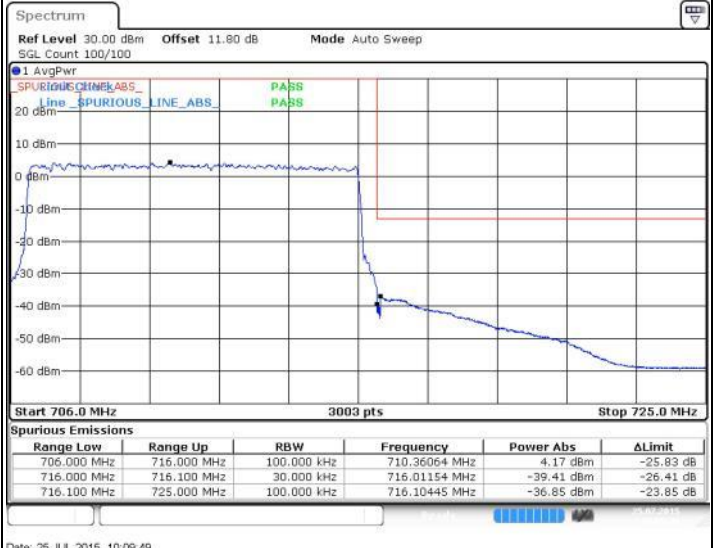
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



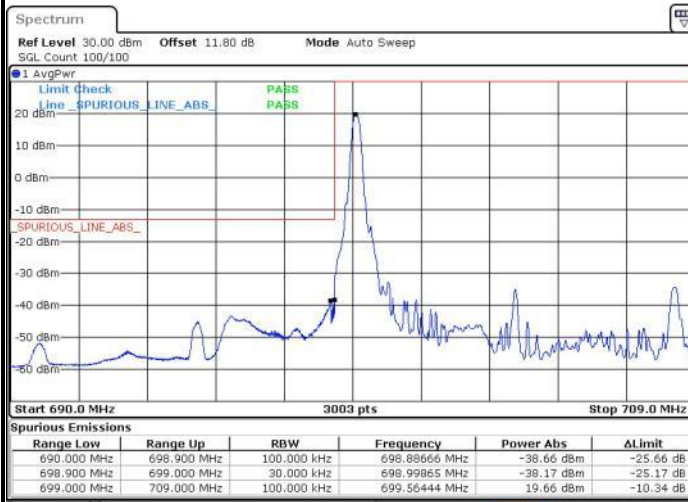
Highest Band Edge / Full RB



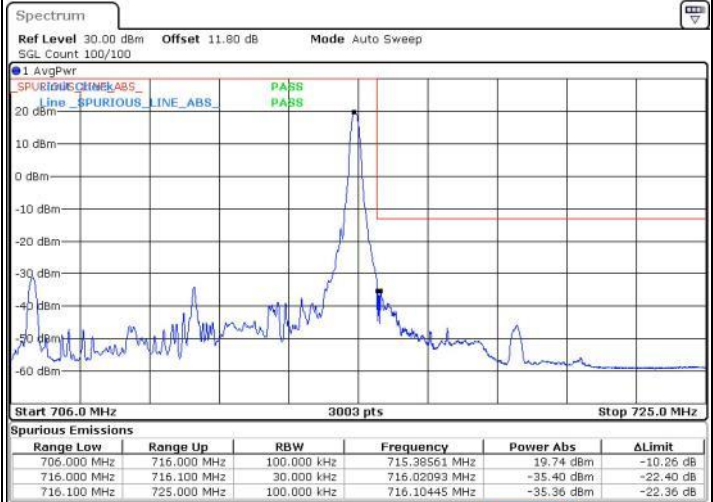


LTE Band 12 / 10MHz / 16QAM

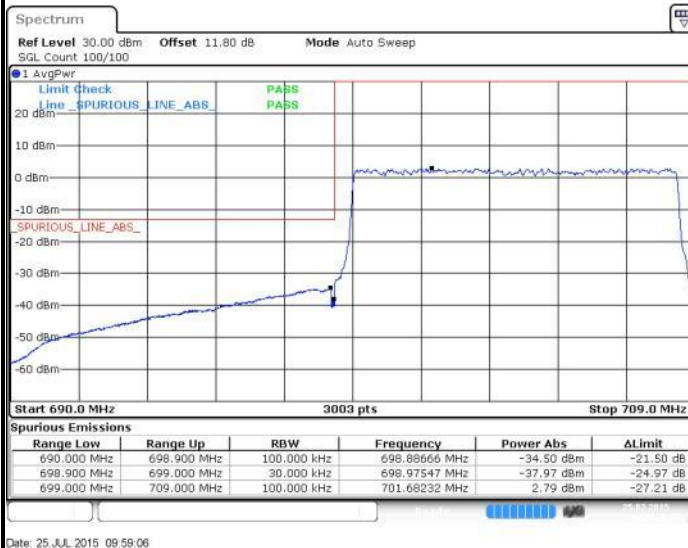
Lowest Band Edge / 1 RB



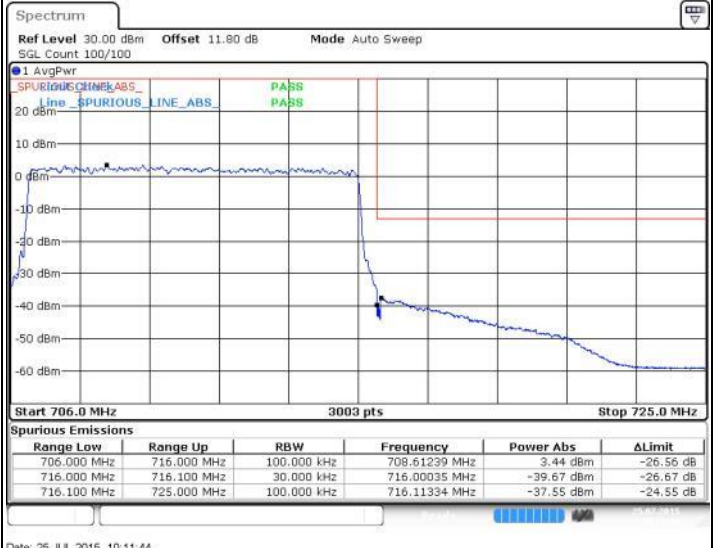
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

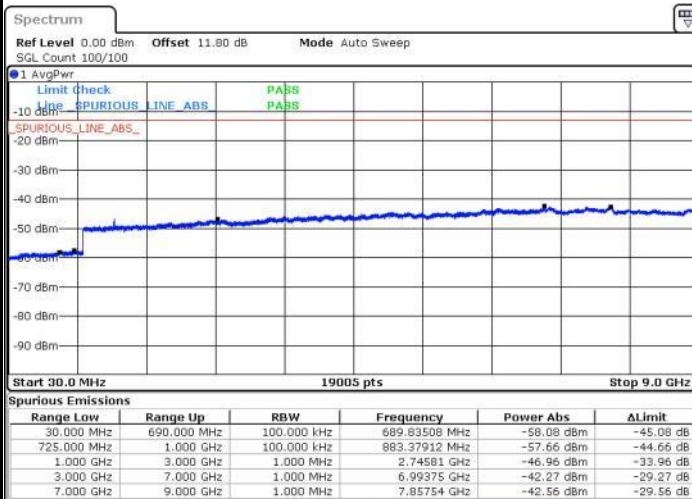




Conducted Spurious Emission

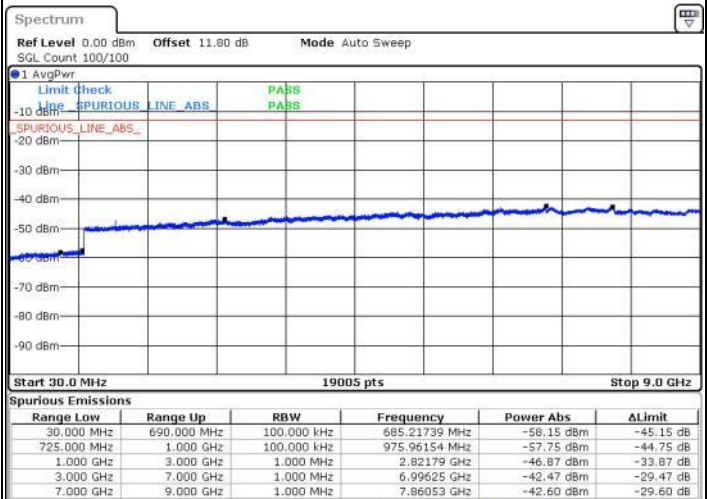
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



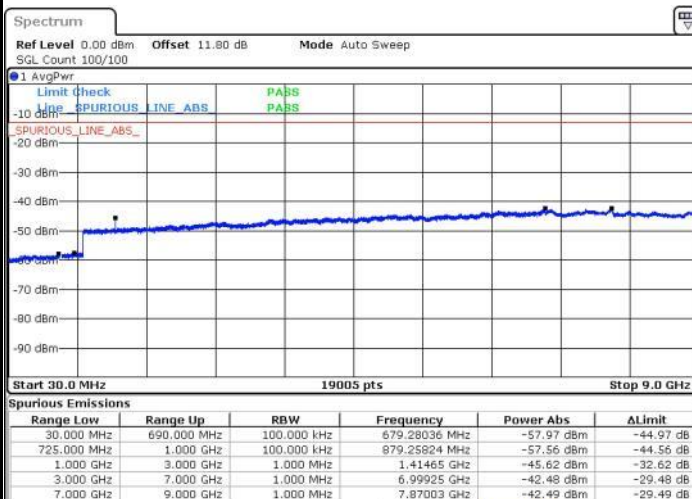
Date: 25 JUL 2015 10:38:48

Lowest Channel / 16QAM



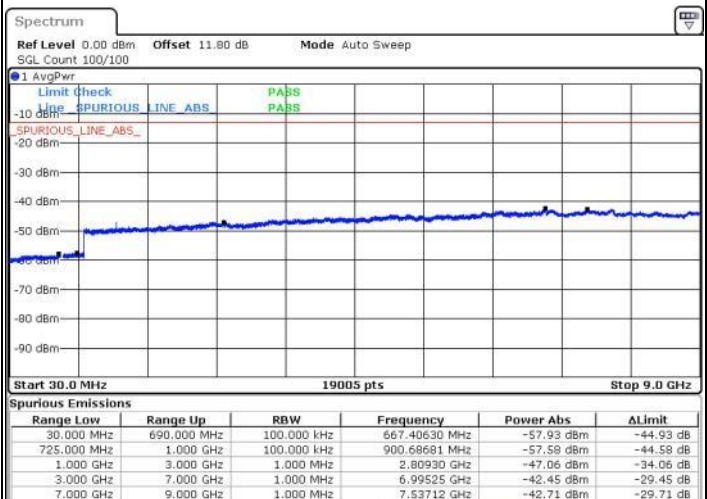
Date: 25 JUL 2015 10:39:43

Middle Channel / QPSK



Date: 25 JUL 2015 10:42:13

Middle Channel / 16QAM



Date: 25 JUL 2015 10:41:19



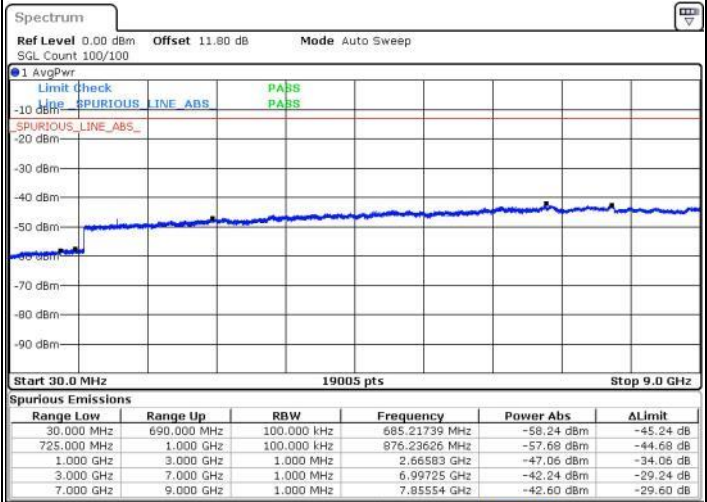
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 25 JUL 2015 10:51:27

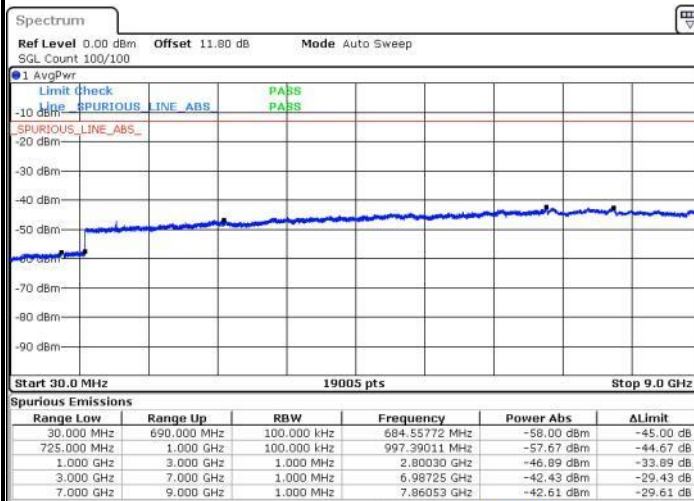
Highest Channel / 16QAM



Date: 25 JUL 2015 10:52:21

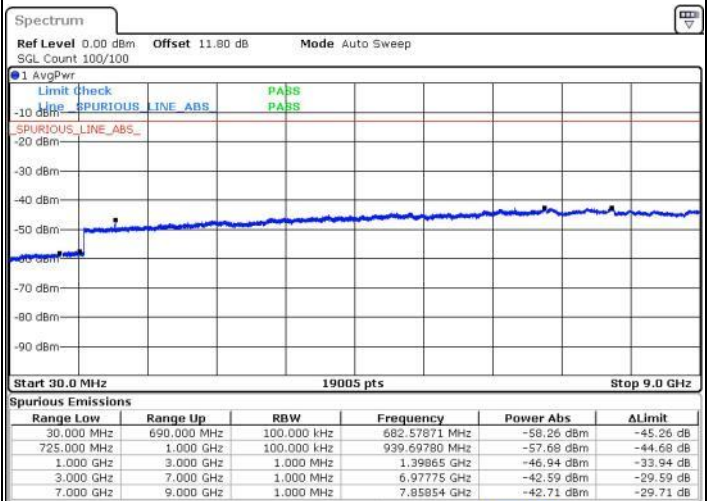
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 25 JUL 2015 09:18:16

Lowest Channel / 16QAM

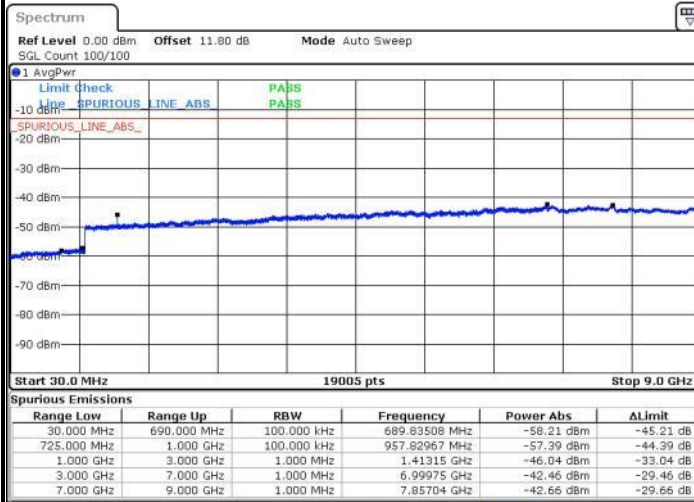


Date: 25 JUL 2015 09:19:10



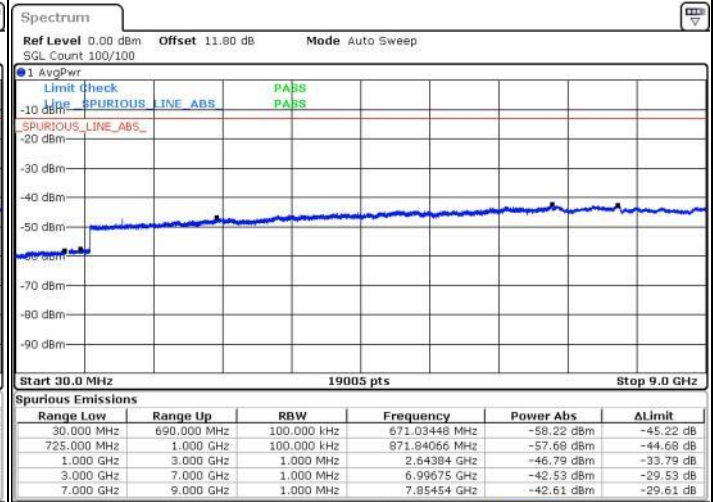
LTE Band 12 / 3MHz

Middle Channel / QPSK



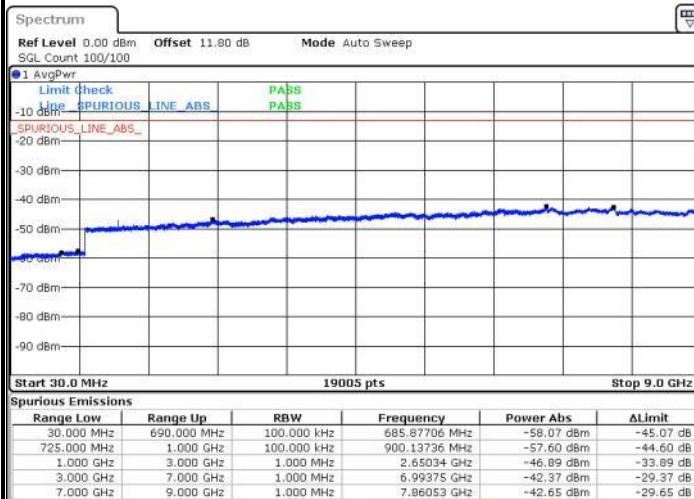
Date: 25 JUL 2015 09:21:41

Middle Channel / 16QAM



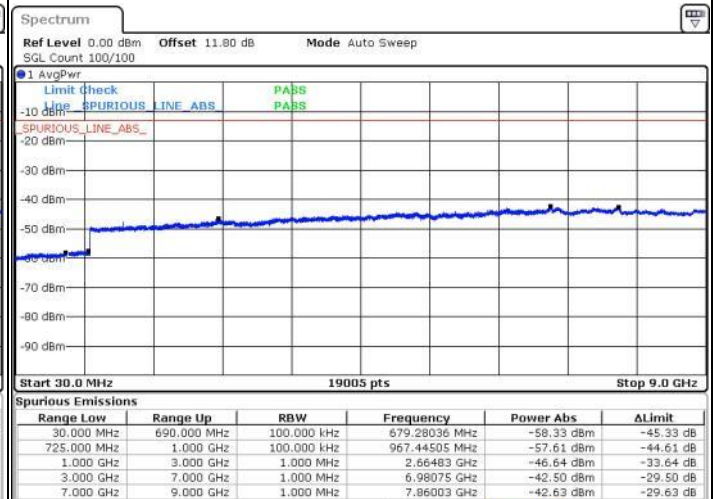
Date: 25 JUL 2015 09:20:47

Highest Channel / QPSK



Date: 25 JUL 2015 09:30:55

Highest Channel / 16QAM

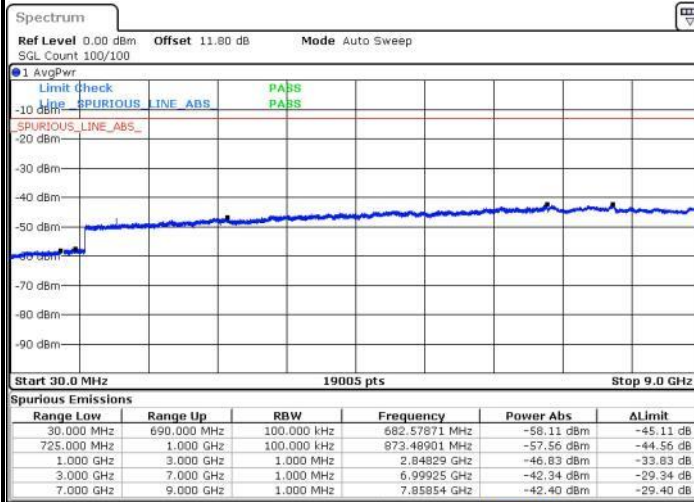


Date: 25 JUL 2015 09:31:48



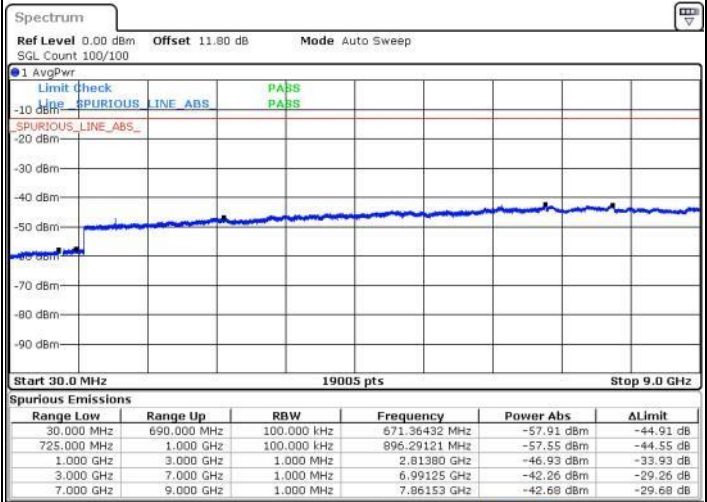
LTE Band 12 / 5MHz

Lowest Channel / QPSK



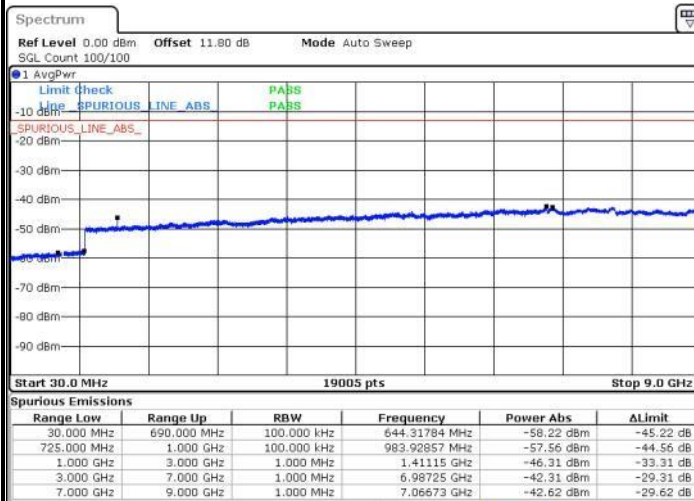
Date: 25 JUL 2015 09:41:03

Lowest Channel / 16QAM



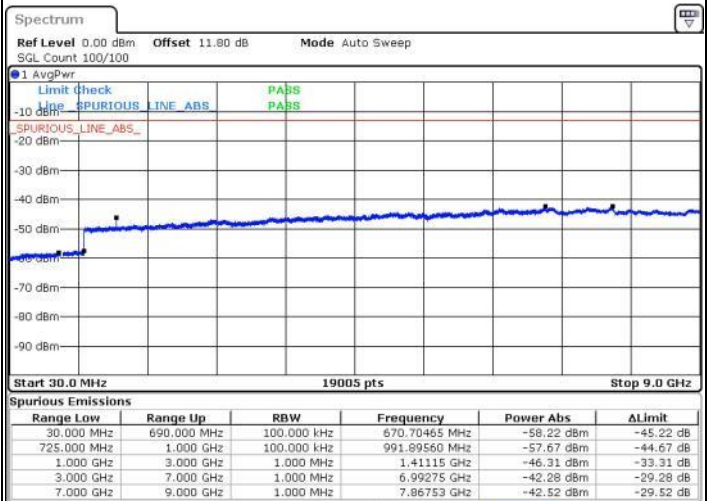
Date: 25 JUL 2015 09:41:57

Middle Channel / QPSK



Date: 25 JUL 2015 09:44:28

Middle Channel / 16QAM

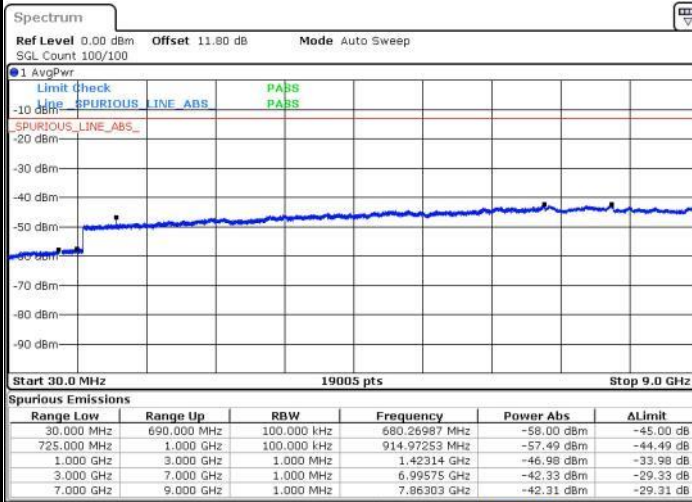


Date: 25 JUL 2015 09:43:34



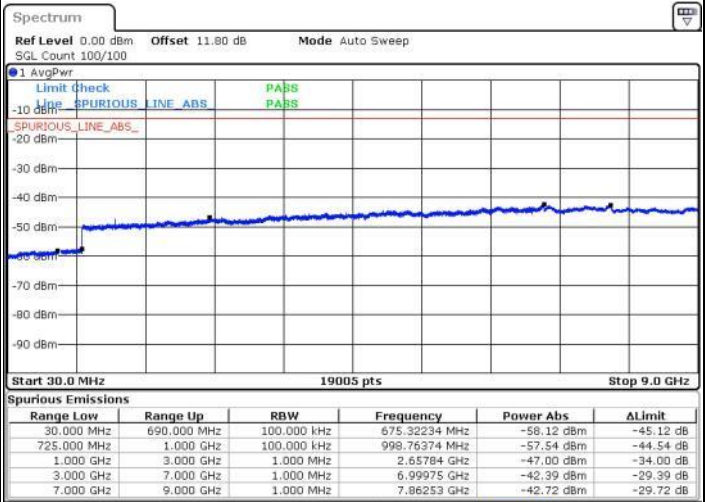
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 25 JUL 2015 09:54:36

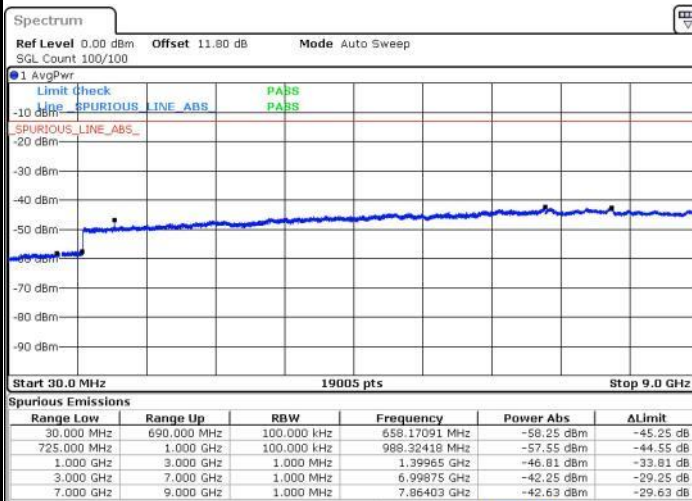
Highest Channel / 16QAM



Date: 25 JUL 2015 09:53:42

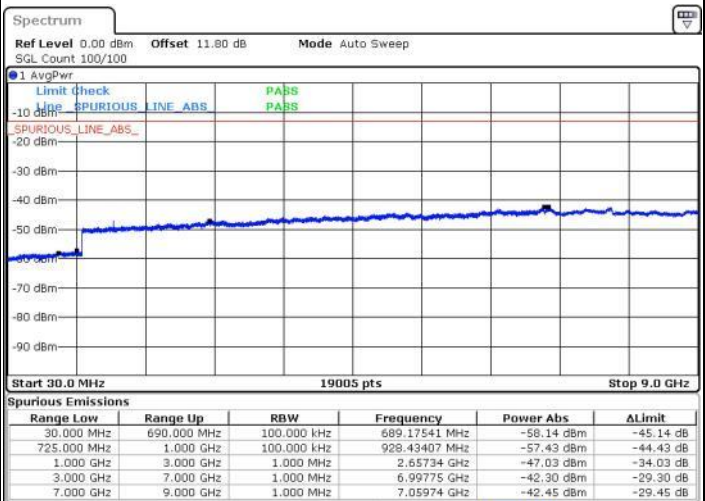
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 25 JUL 2015 10:03:49

Lowest Channel / 16QAM

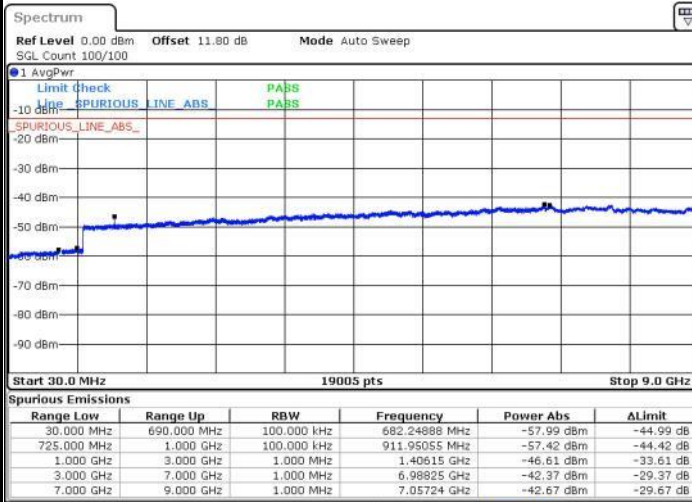


Date: 25 JUL 2015 10:04:44



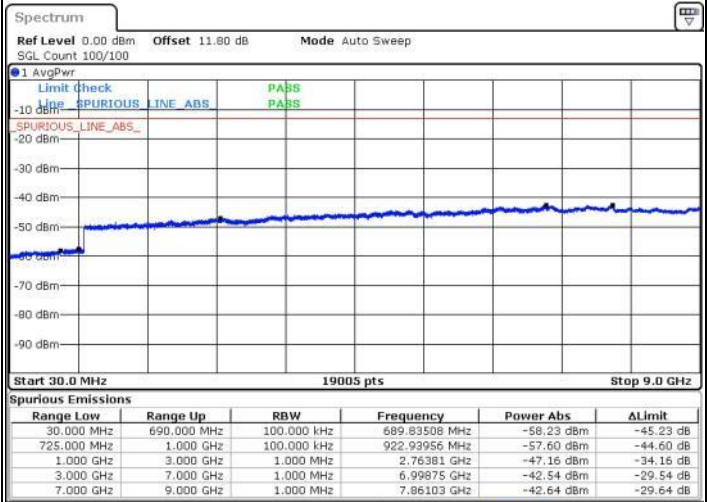
LTE Band 12 / 10MHz

Middle Channel / QPSK



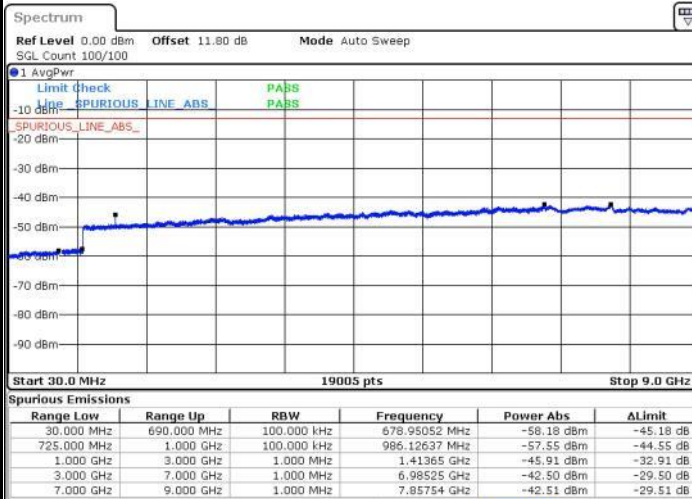
Date: 25 JUL 2015 10:07:14

Middle Channel / 16QAM



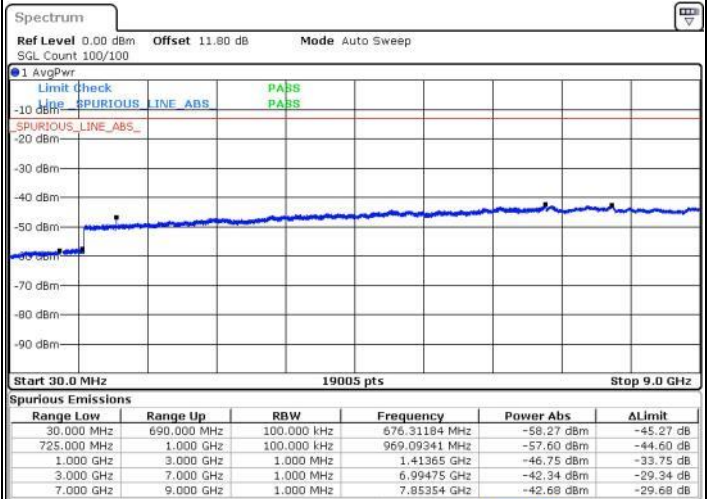
Date: 25 JUL 2015 10:08:20

Highest Channel / QPSK



Date: 25 JUL 2015 10:16:27

Highest Channel / 16QAM



Date: 25 JUL 2015 10:17:21

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	0.0020	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

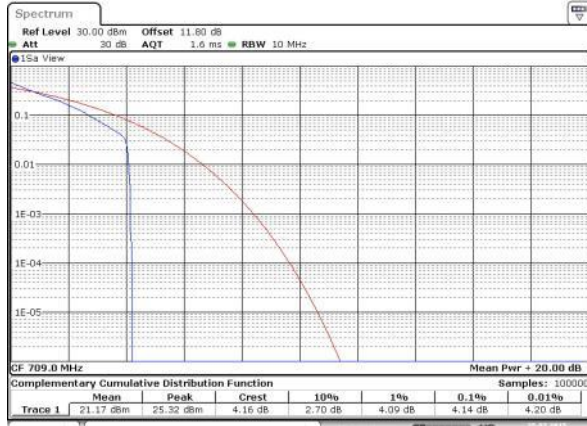
1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block.



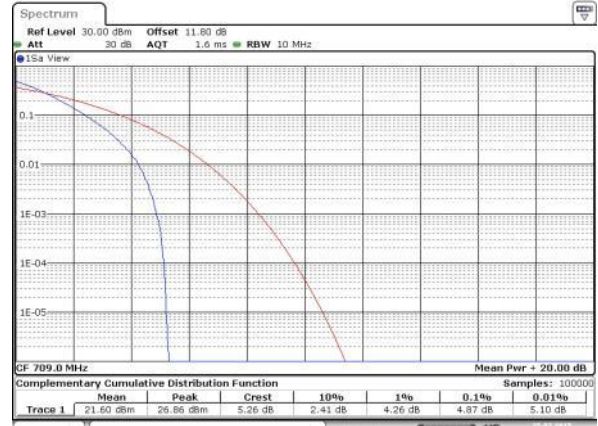
LTE Band 17

Peak-to-Average Ratio

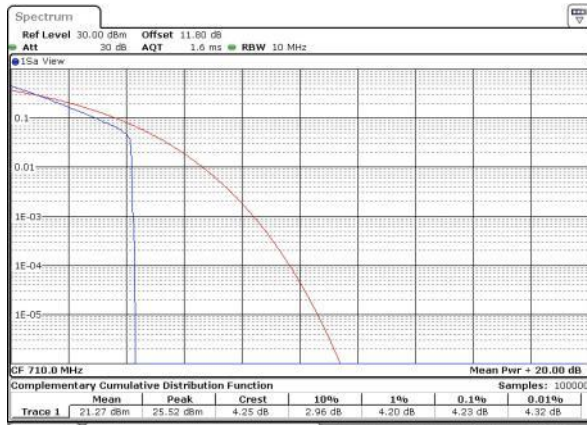
Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.14	4.87	4.84	5.91	PASS
Middle CH	4.23	4.93	5.16	5.88	
Highest CH	4.46	4.84	5.39	5.94	

LTE Band 17 / 10MHz / QPSK
Lowest Channel / 1RB


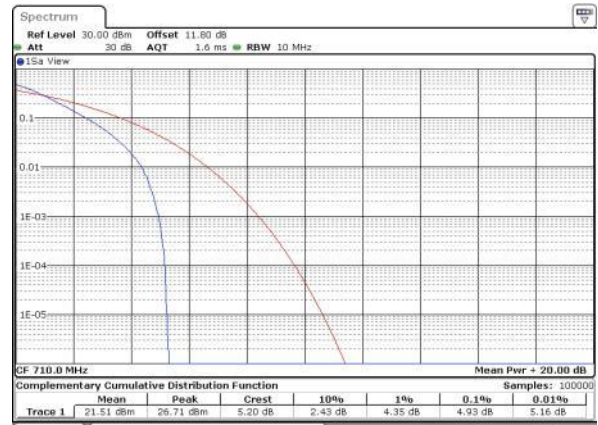
Date: 25 JUL 2015 00:52:31

Lowest Channel / Full RB


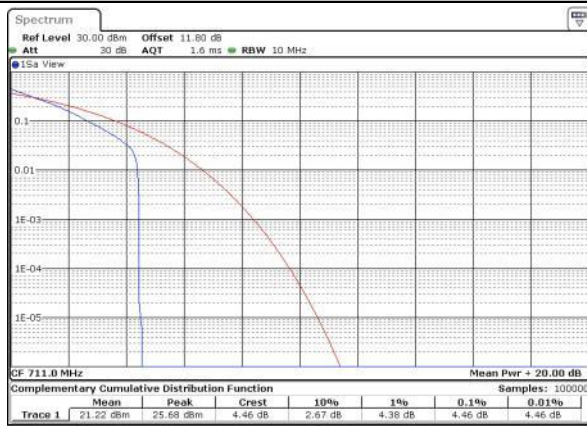
Date: 25 JUL 2015 00:52:49

Middle Channel/ 1RB


Date: 25 JUL 2015 00:53:18

Middle Channel / Full RB


Date: 25 JUL 2015 00:53:43

Highest Channel/ 1RB


Date: 25 JUL 2015 00:54:17

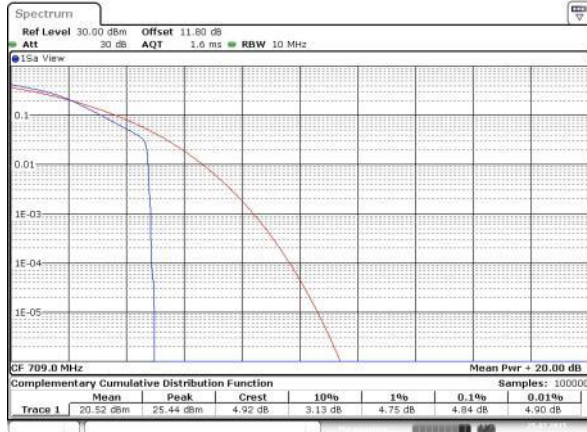
Highest Channel / Full RB


Date: 25 JUL 2015 00:54:50

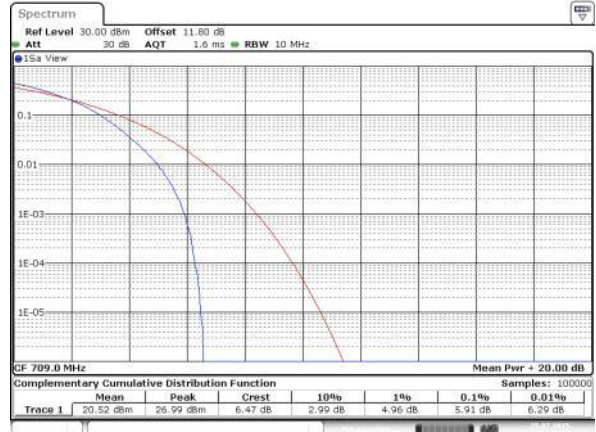


LTE Band 17 / 10MHz / 16QAM

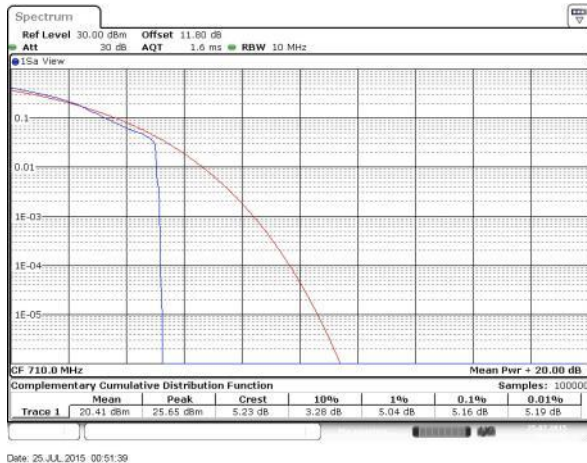
Lowest Channel / 1RB



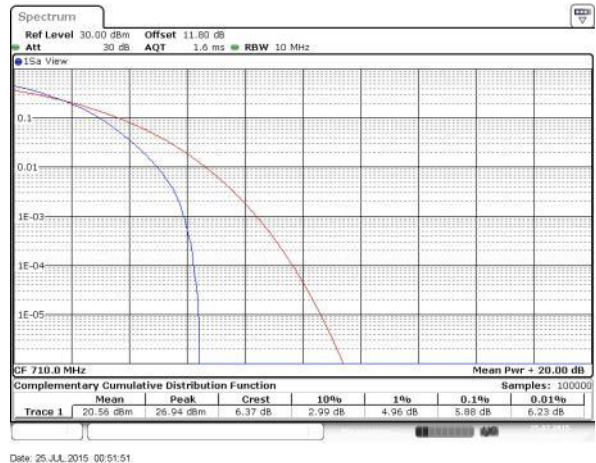
Lowest Channel / Full RB



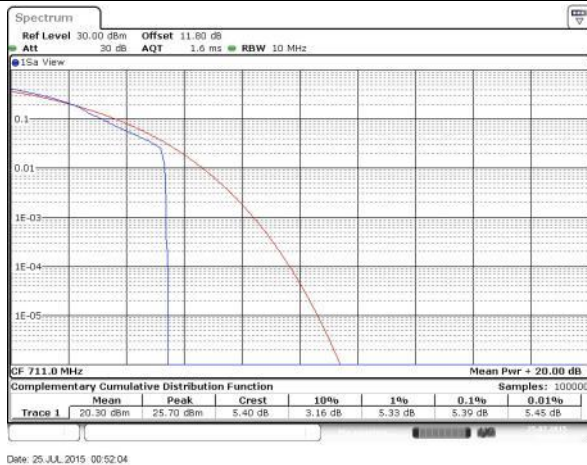
Middle Channel/ 1RB



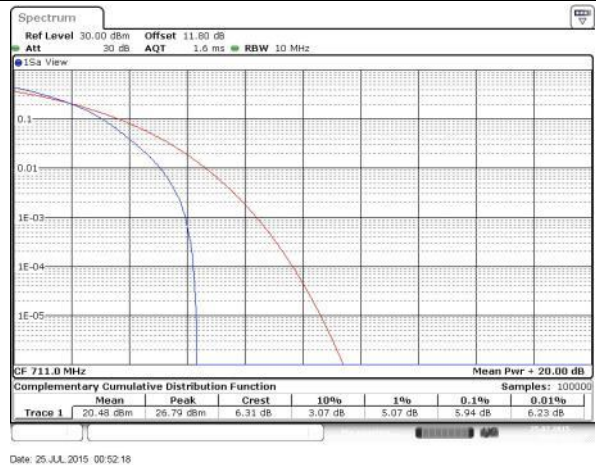
Middle Channel / Full RB



Highest Channel/ 1RB



Highest Channel / Full RB





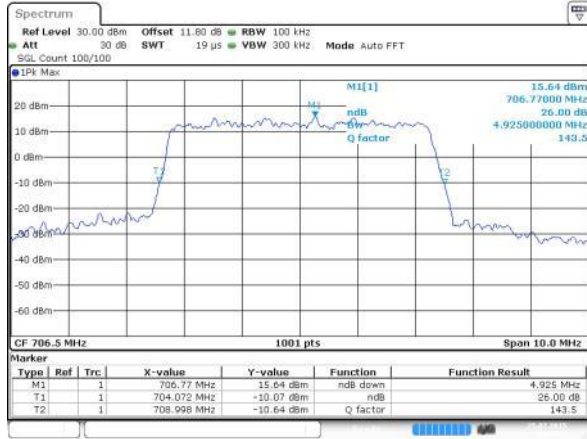
26dB Bandwidth

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	-	-	-	-	4.93	4.92	9.85	9.75	-	-	-	-
Middle CH	-	-	-	-	4.97	4.86	9.73	9.89	-	-	-	-
Highest CH	-	-	-	-	5.00	4.86	9.81	9.71	-	-	-	-

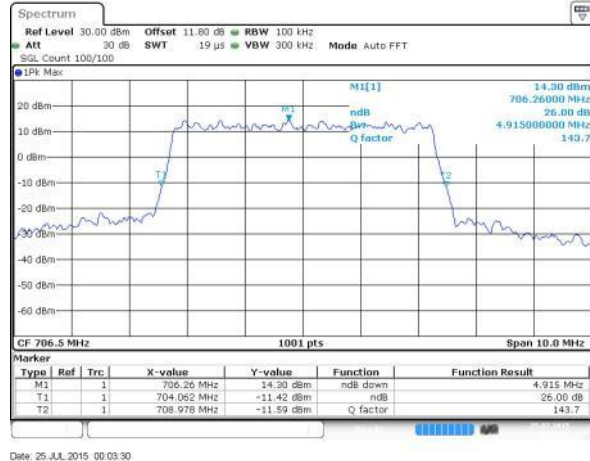


LTE Band 17

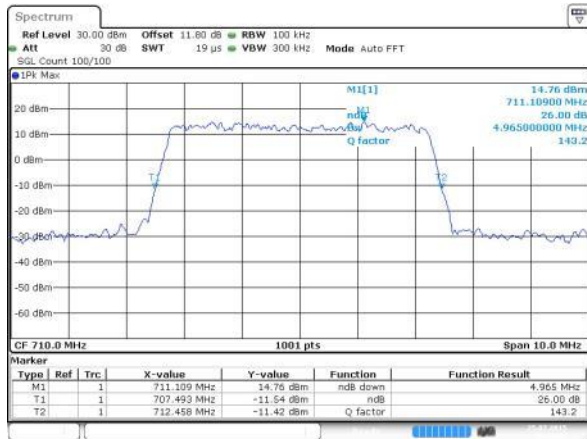
Lowest Channel / 5MHz / QPSK



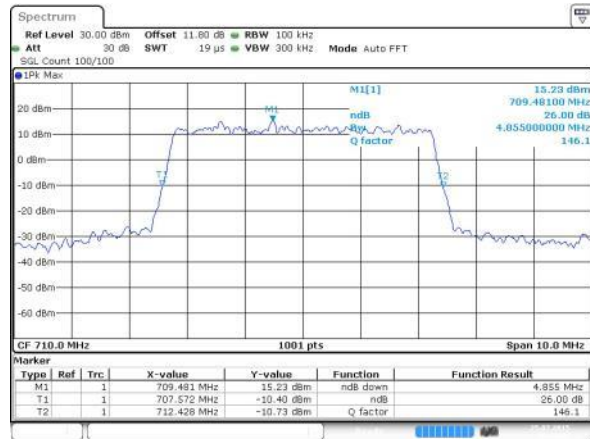
Lowest Channel / 5MHz / 16QAM



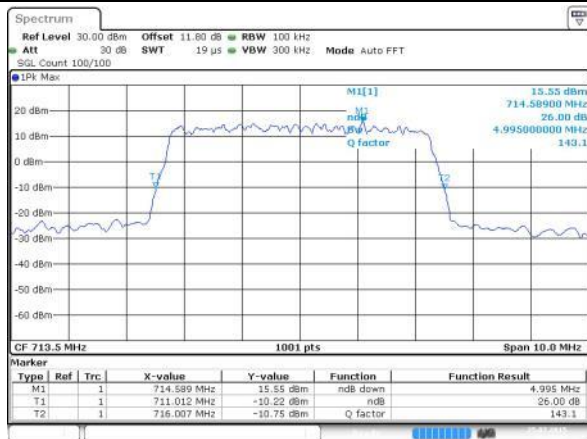
Middle Channel / 5MHz / QPSK



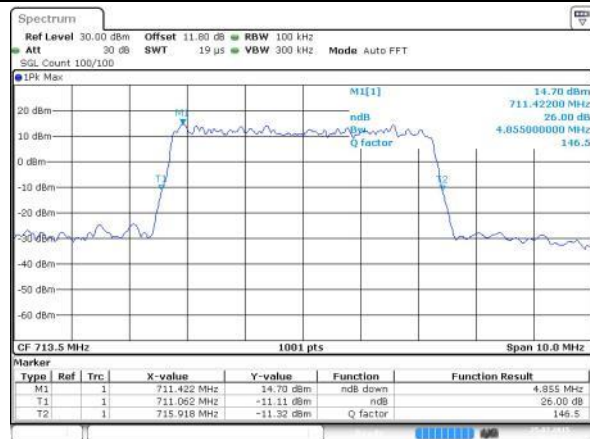
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



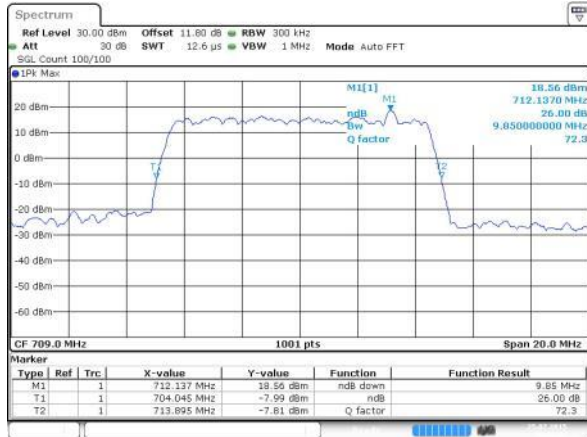
Highest Channel / 5MHz / 16QAM



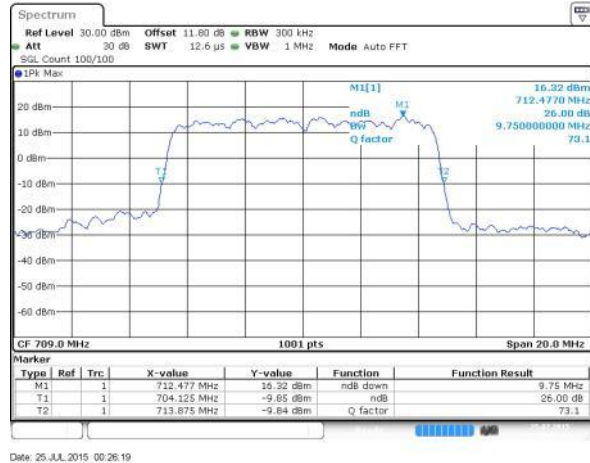


LTE Band 17

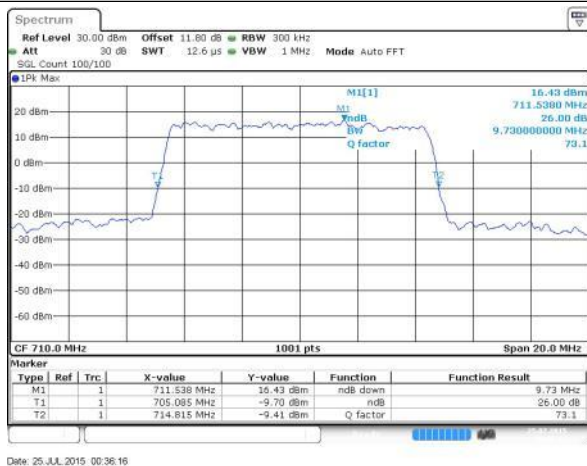
Lowest Channel / 10MHz / QPSK



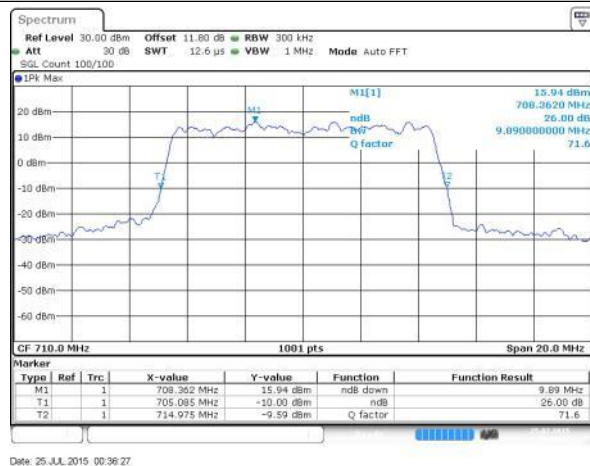
Lowest Channel / 10MHz / 16QAM



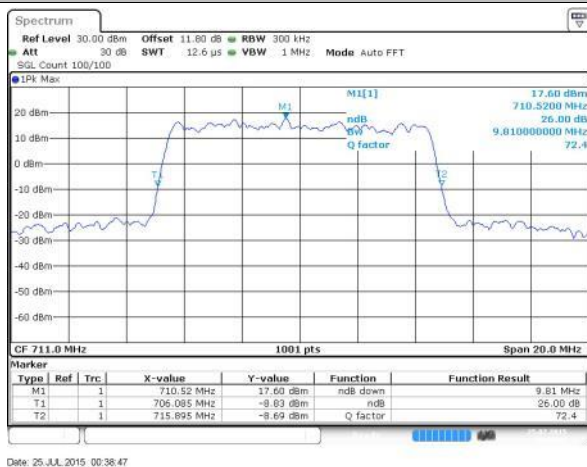
Middle Channel / 10MHz / QPSK



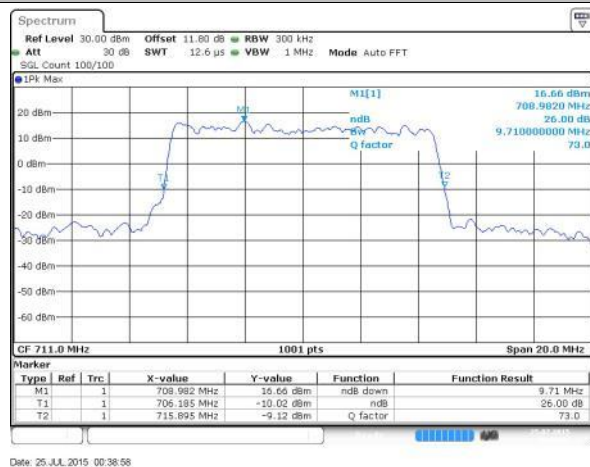
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM





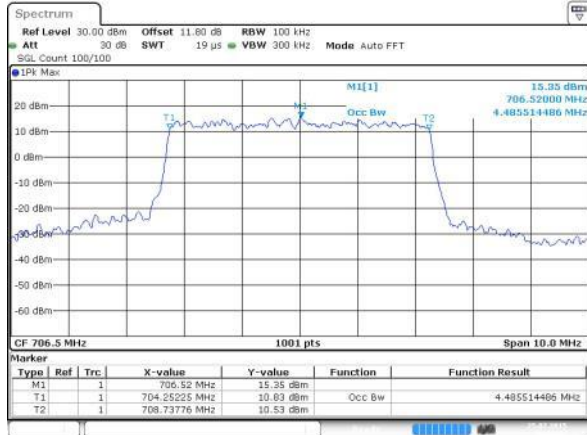
Occupied Bandwidth

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	4.49	8.99	9.03	-	-	-	-
Middle CH	-	-	-	-	4.49	4.49	8.97	8.99	-	-	-	-
Highest CH	-	-	-	-	4.51	4.47	9.01	8.95	-	-	-	-

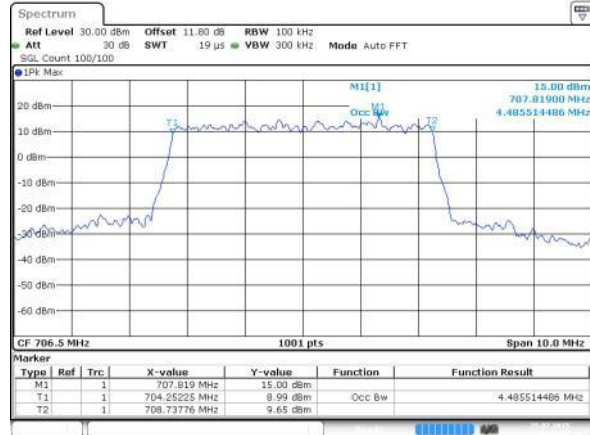


LTE Band 17

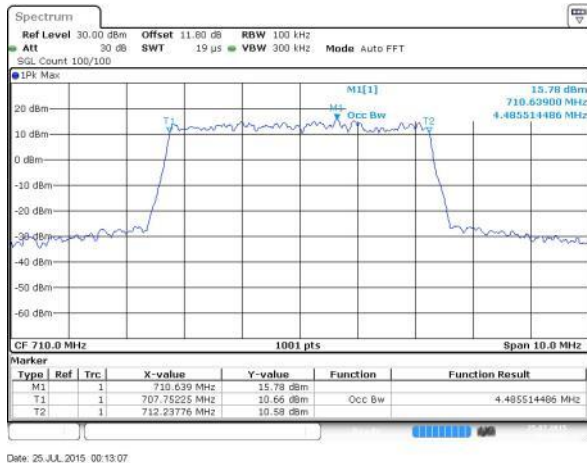
Lowest Channel / 5MHz / QPSK



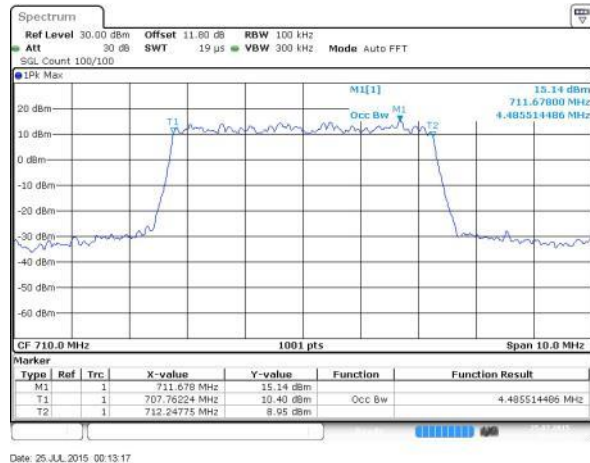
Lowest Channel / 5MHz / 16QAM



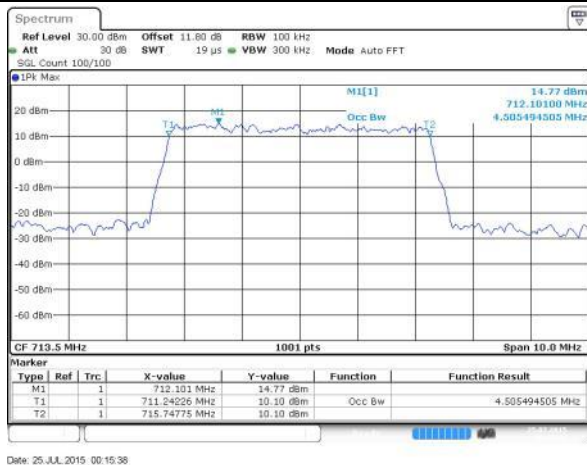
Middle Channel / 5MHz / QPSK



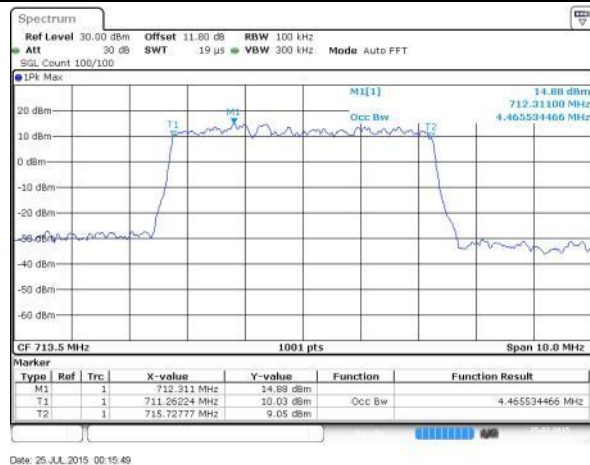
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



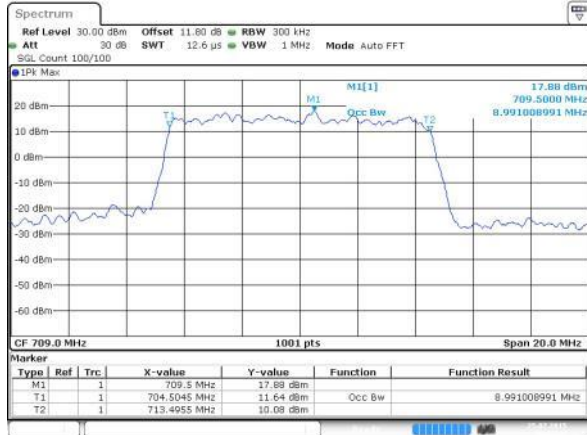
Highest Channel / 5MHz / 16QAM



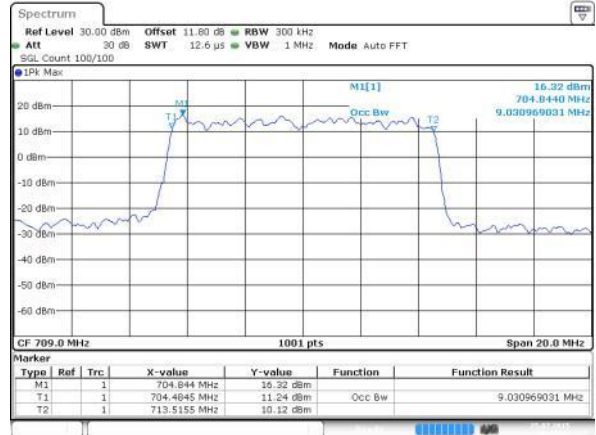


LTE Band 17

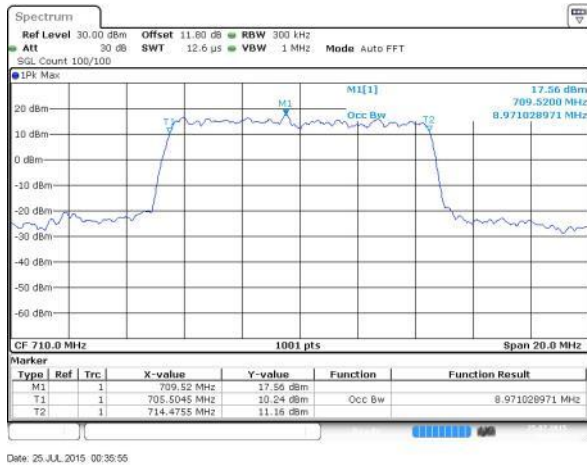
Lowest Channel / 10MHz / QPSK



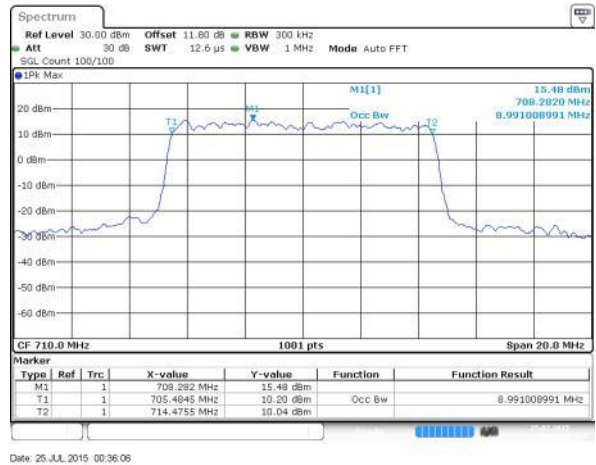
Lowest Channel / 10MHz / 16QAM



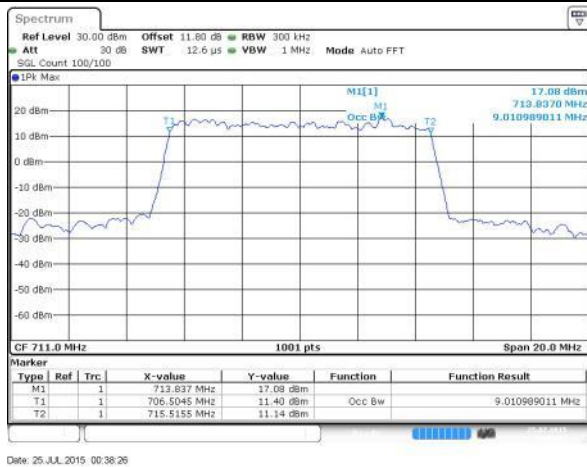
Middle Channel / 10MHz / QPSK



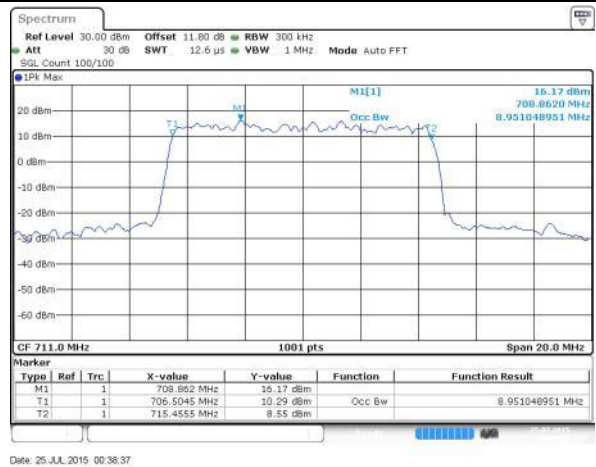
Middle Channel / 10MHz / 16QAM

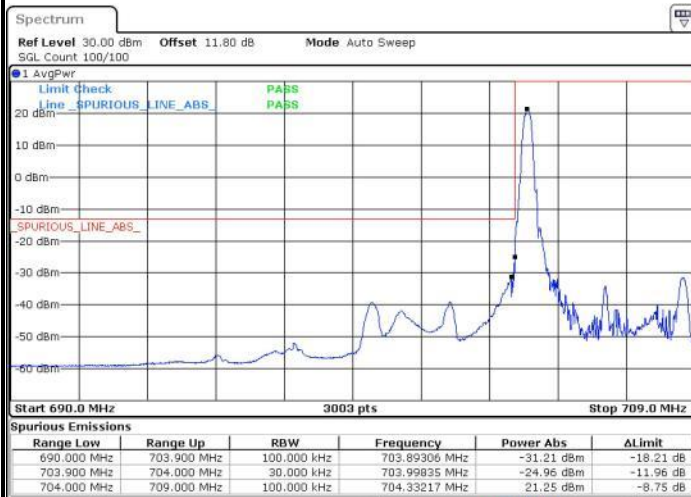


Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

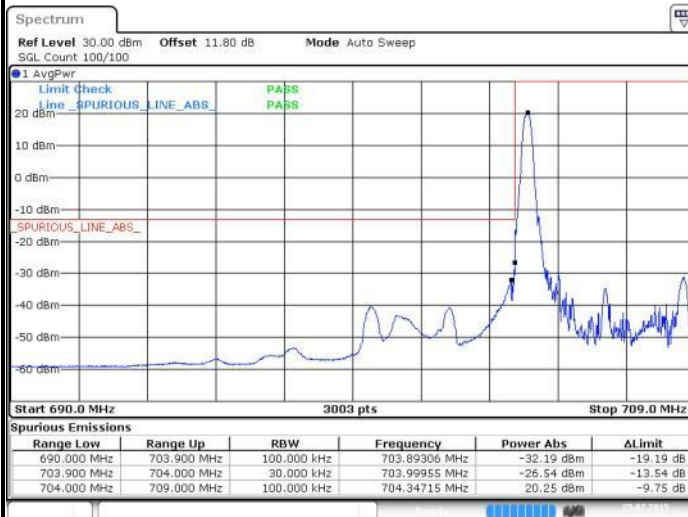


**Conducted Band Edge****LTE Band 17 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

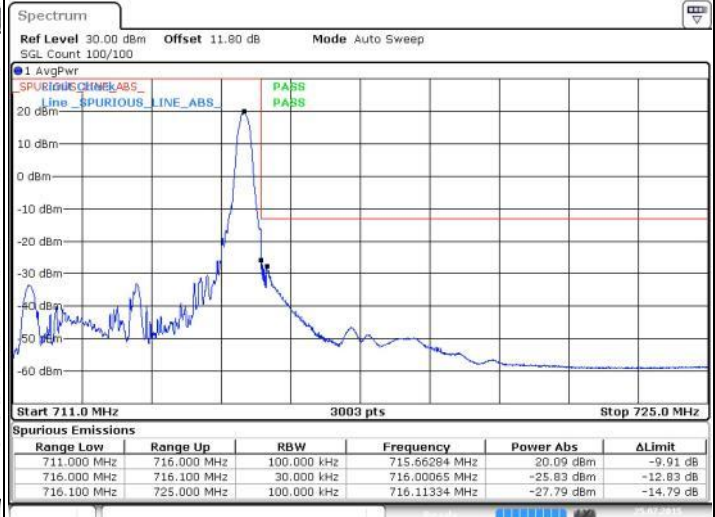


LTE Band 17 / 5MHz / 16QAM

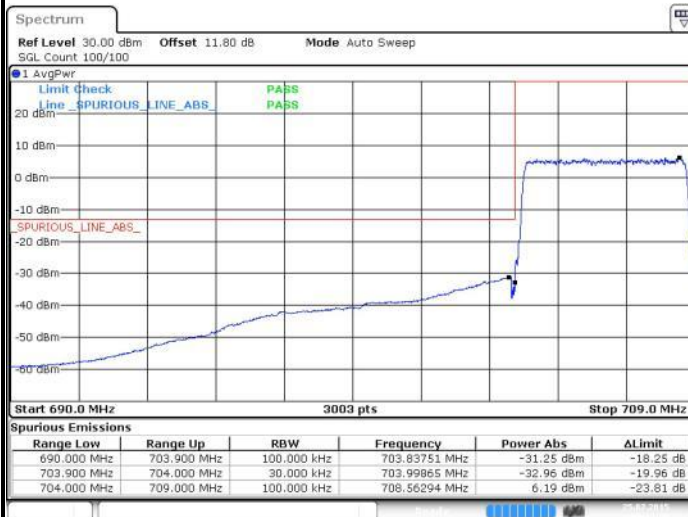
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



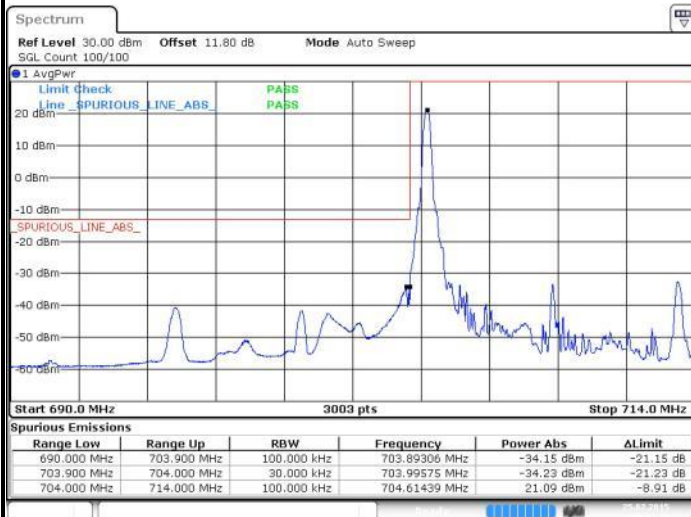
Highest Band Edge / Full RB



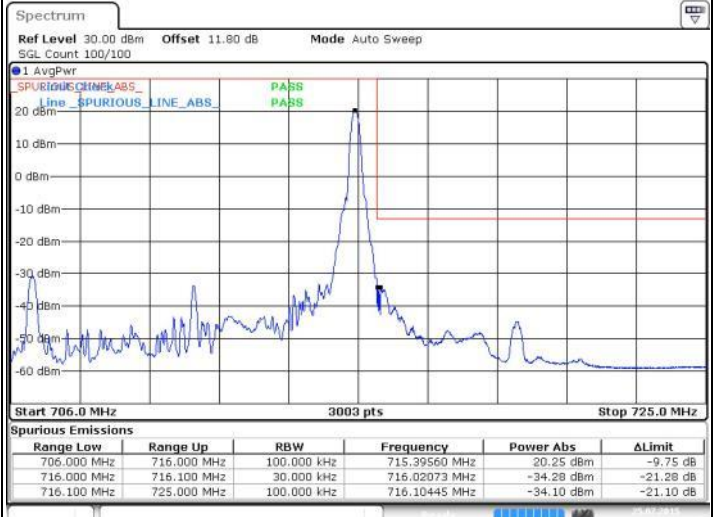


LTE Band 17 / 10MHz / QPSK

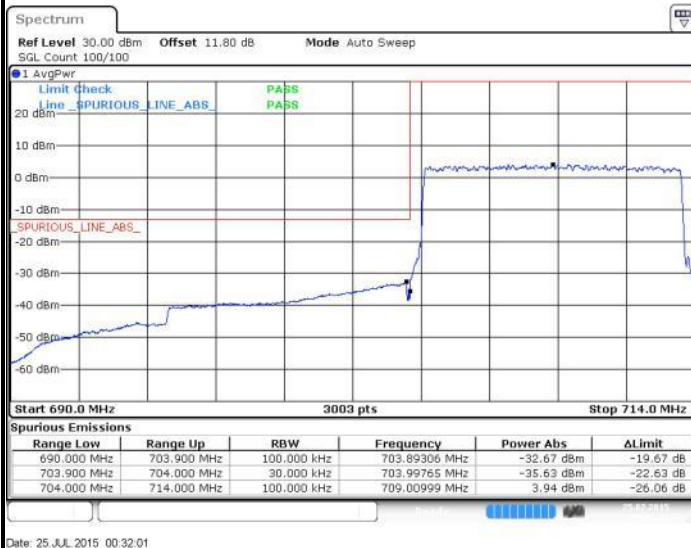
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



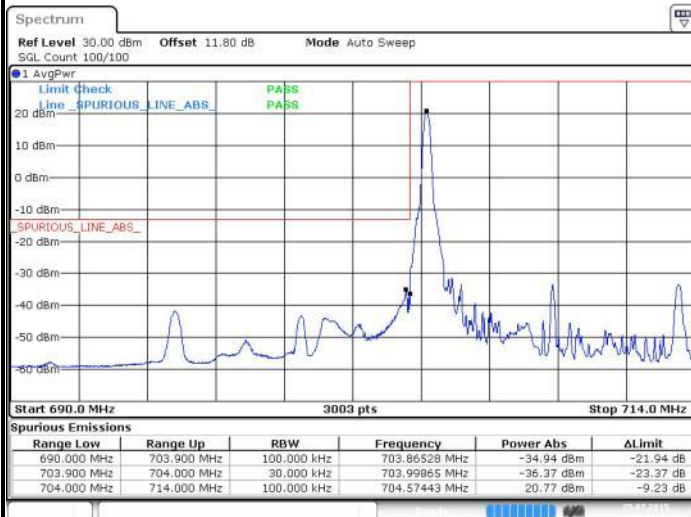
Highest Band Edge / Full RB



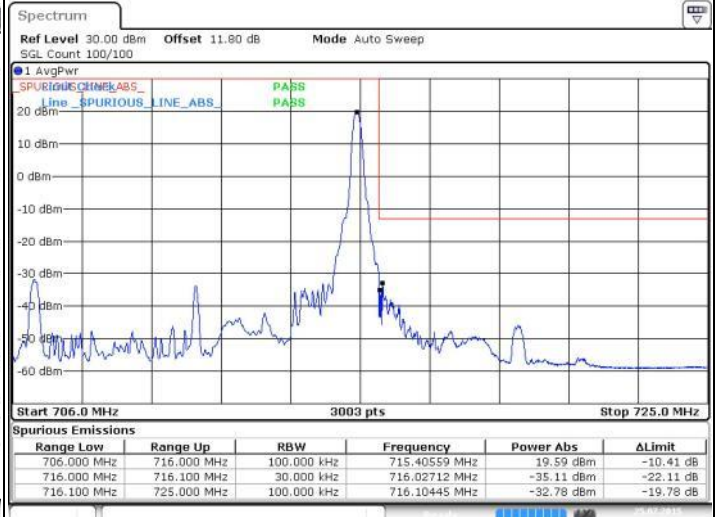


LTE Band 17 / 10MHz / 16QAM

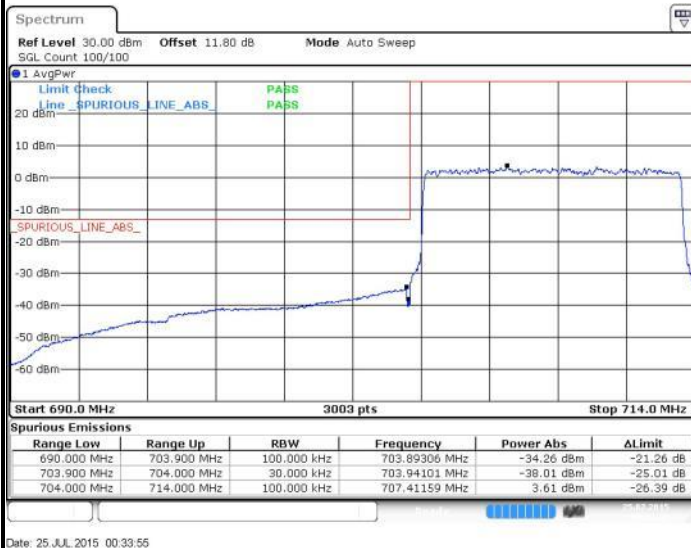
Lowest Band Edge / 1 RB



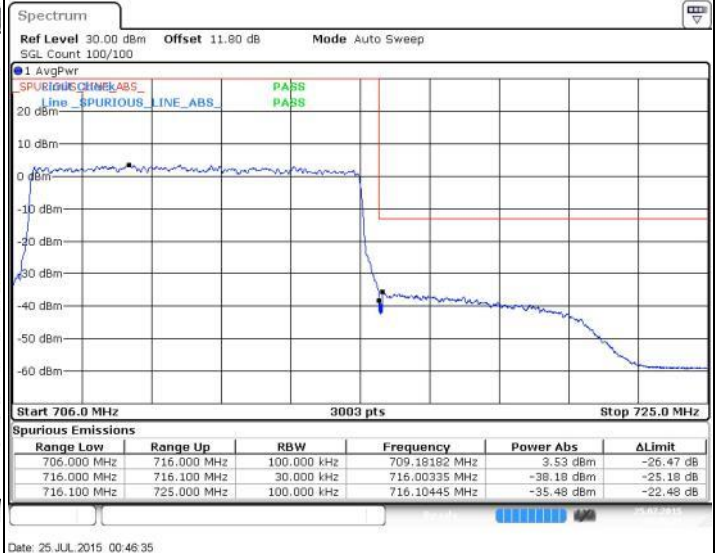
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

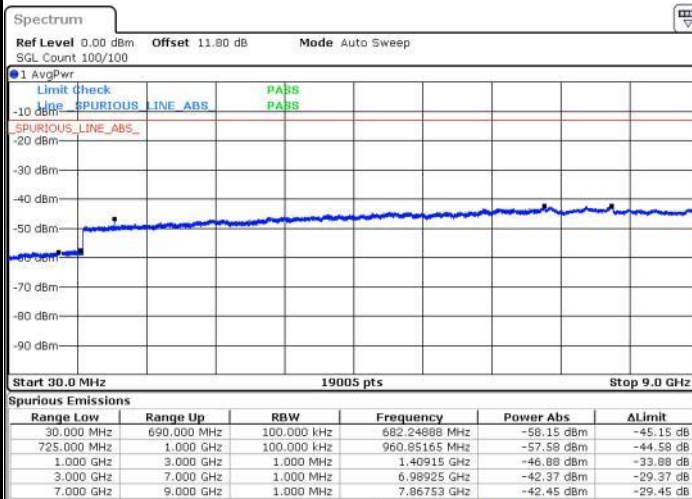




Conducted Spurious Emission

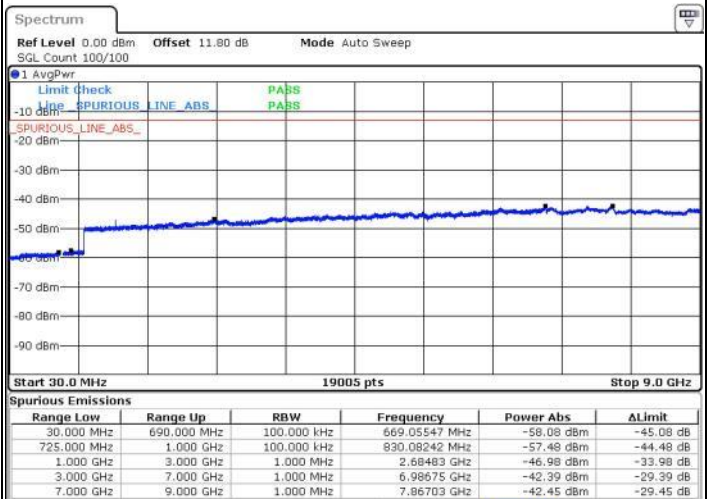
LTE Band 17 / 5MHz

Lowest Channel / QPSK



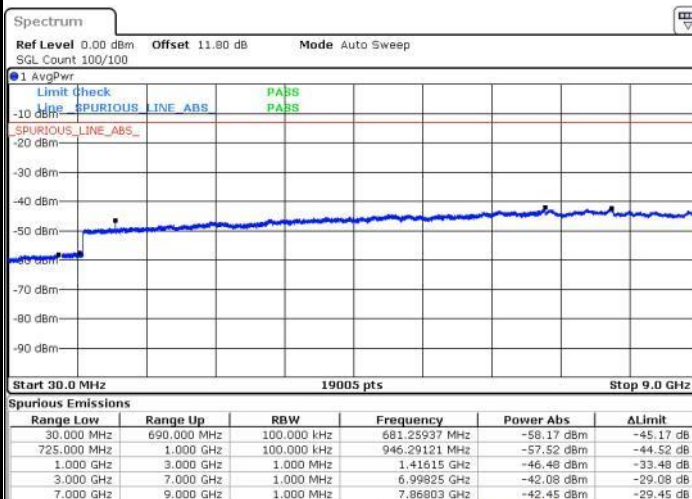
Date: 25 JUL 2015 00:12:02

Lowest Channel / 16QAM



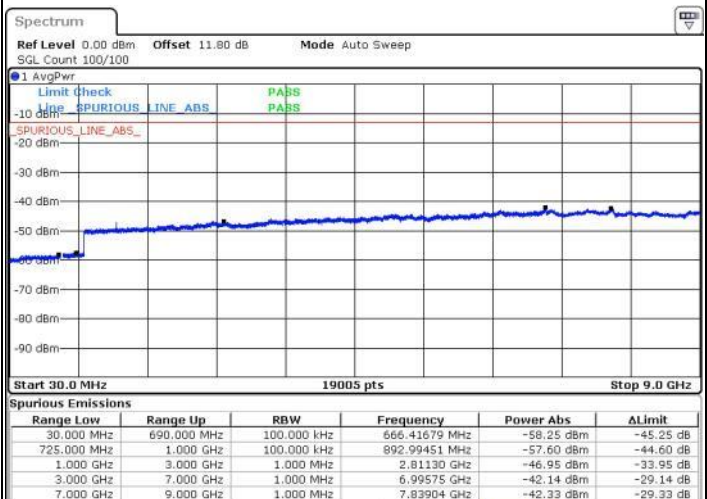
Date: 25 JUL 2015 00:12:56

Middle Channel / QPSK



Date: 25 JUL 2015 00:14:33

Middle Channel / 16QAM

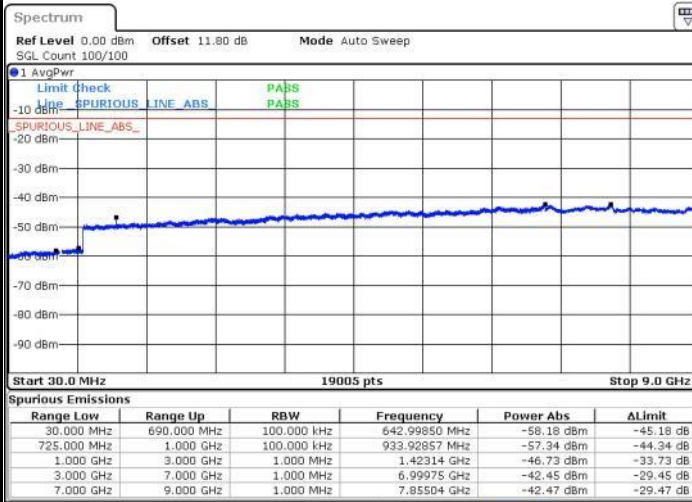


Date: 25 JUL 2015 00:15:28



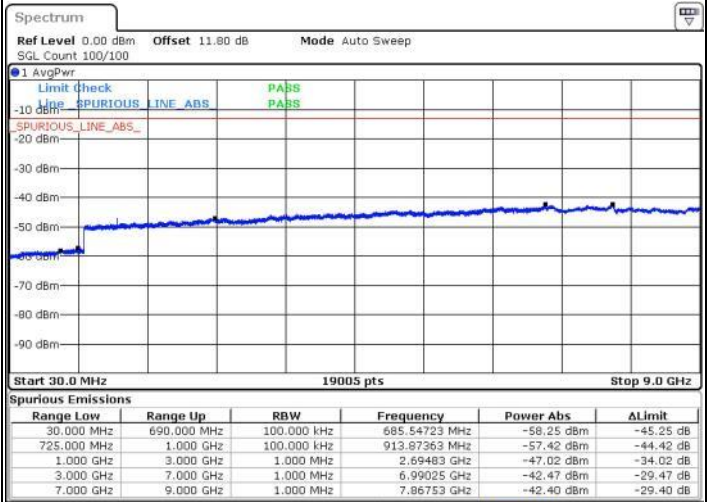
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 25 JUL 2015 00:24:42

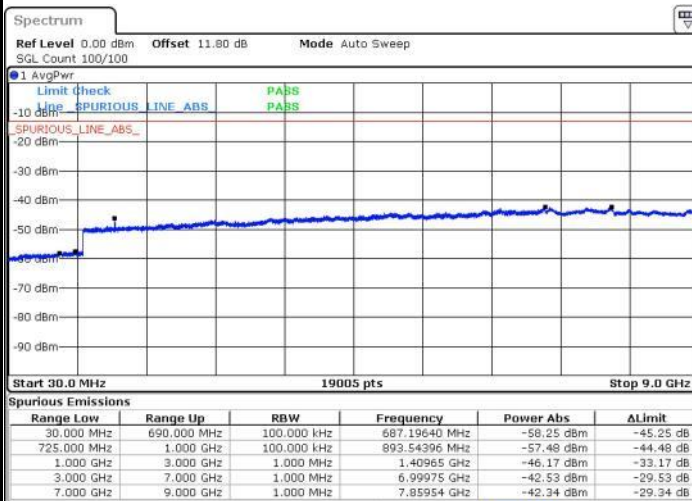
Highest Channel / 16QAM



Date: 25 JUL 2015 00:25:37

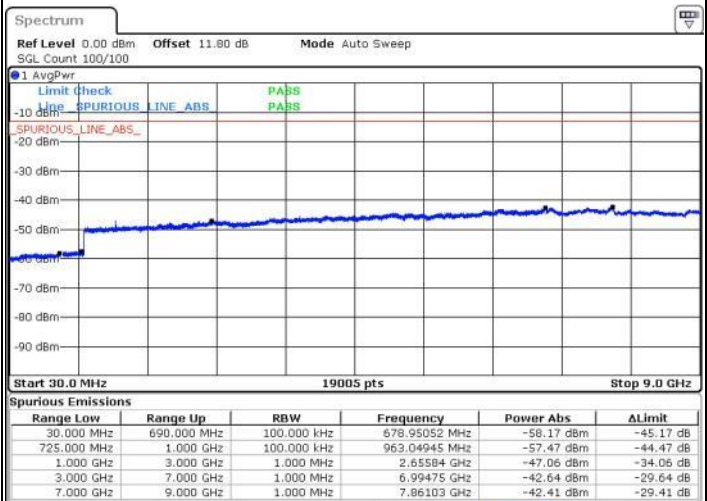
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 25 JUL 2015 00:34:50

Lowest Channel / 16QAM

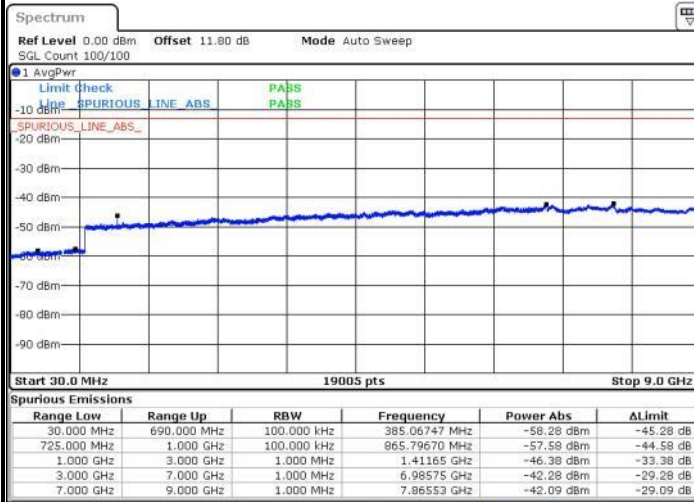


Date: 25 JUL 2015 00:35:45



LTE Band 17 / 10MHz

Middle Channel / QPSK



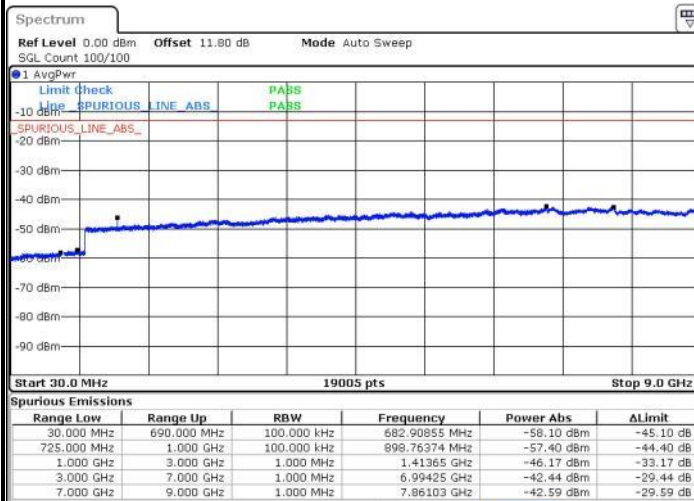
Date: 25 JUL 2015 00:37:21

Middle Channel / 16QAM



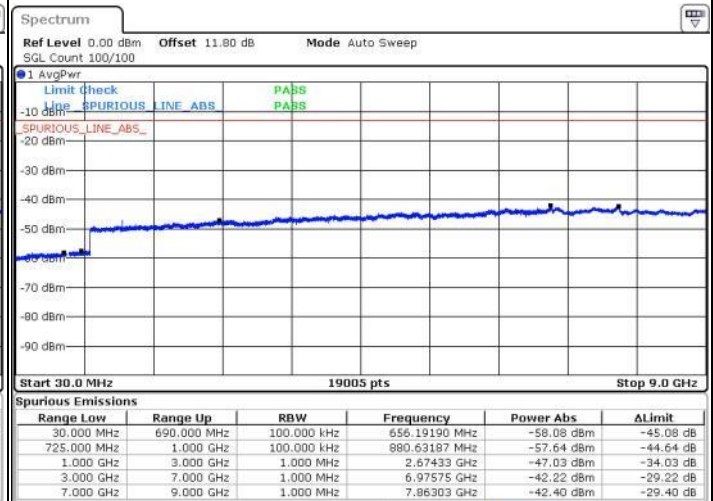
Date: 25 JUL 2015 00:38:16

Highest Channel / QPSK



Date: 25 JUL 2015 00:47:30

Highest Channel / 16QAM



Date: 25 JUL 2015 00:48:24

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	0.0013	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0020	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	16.16	0.0413	15.58	0.0361
Middle		1	0	16.37	0.0434	16.35	0.0432
Highest		1	0	17.76	0.0597	17.17	0.0521
Lowest	16QAM	1	0	16.37	0.0434	15.57	0.0361
Middle		1	0	16.61	0.0458	16.55	0.0452
Highest		1	0	18.03	0.0635	17.37	0.0546
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	16.31	0.0428	15.72	0.0373
Middle		1	0	16.67	0.0465	16.61	0.0458
Highest		1	0	17.84	0.0608	17.35	0.0543
Lowest	16QAM	1	0	16.50	0.0447	15.91	0.0390
Middle		1	0	16.91	0.0491	16.79	0.0478
Highest		1	0	18.08	0.0643	17.62	0.0578
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	16.37	0.0434	15.80	0.0380
Middle		1	0	16.87	0.0486	16.75	0.0473
Highest		1	0	17.83	0.0607	17.20	0.0525
Lowest	16QAM	1	0	16.56	0.0453	15.97	0.0395
Middle		1	0	17.07	0.0509	16.95	0.0495
Highest		1	0	18.07	0.0641	17.44	0.0555
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	16.22	0.0419	15.42	0.0348
Middle		1	0	16.69	0.0467	16.46	0.0443
Highest		1	0	17.25	0.0531	16.87	0.0486
Lowest	16QAM	1	0	16.43	0.0440	15.50	0.0355
Middle		1	0	16.86	0.0485	16.64	0.0461
Highest		1	0	17.47	0.0558	17.07	0.0509
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 15MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	17.15	0.0519	16.37	0.0434
Middle		1	0	17.06	0.0508	16.63	0.0460
Highest		1	0	17.49	0.0561	17.09	0.0512
Lowest	16QAM	1	0	17.31	0.0538	16.43	0.0440
Middle		1	0	17.30	0.0537	16.82	0.0481
Highest		1	0	17.57	0.0571	17.21	0.0526
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	17.10	0.0513	16.37	0.0434
Middle		1	0	17.21	0.0526	16.95	0.0495
Highest		1	0	17.08	0.0511	17.03	0.0505
Lowest	16QAM	1	0	17.24	0.0530	16.58	0.0455
Middle		1	0	17.41	0.0551	17.00	0.0501
Highest		1	0	17.26	0.0532	17.20	0.0525
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	16.39	0.0436	15.46	0.0352
Middle		1	0	16.54	0.0451	15.65	0.0367
Highest		1	0	16.47	0.0444	15.88	0.0387
Lowest	16QAM	1	0	16.72	0.0470	15.71	0.0372
Middle		1	0	16.76	0.0474	15.82	0.0382
Highest		1	0	16.65	0.0462	16.16	0.0413
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	16.45	0.0442	15.53	0.0357
Middle		1	0	16.54	0.0451	15.64	0.0366
Highest		1	0	16.32	0.0429	15.76	0.0377
Lowest	16QAM	1	0	16.45	0.0442	15.76	0.0377
Middle		1	0	16.65	0.0462	15.77	0.0378
Highest		1	0	16.60	0.0457	16.23	0.0420
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	16.67	0.0465	15.99	0.0397
Middle		1	0	16.74	0.0472	15.85	0.0385
Highest		1	0	16.94	0.0494	15.88	0.0387
Lowest	16QAM	1	0	16.83	0.0482	16.13	0.0410
Middle		1	0	17.01	0.0502	16.06	0.0404
Highest		1	0	17.09	0.0512	16.23	0.0420
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	17.08	0.0511	15.96	0.0394
Middle		1	0	16.97	0.0498	15.89	0.0388
Highest		1	0	16.82	0.0481	15.76	0.0377
Lowest	16QAM	1	0	17.32	0.0540	16.20	0.0417
Middle		1	0	17.18	0.0522	16.08	0.0406
Highest		1	0	17.03	0.0505	16.00	0.0398
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 15MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	17.03	0.0505	15.67	0.0369
Middle		1	0	16.78	0.0476	15.65	0.0367
Highest		1	0	16.97	0.0498	16.25	0.0422
Lowest	16QAM	1	0	17.21	0.0526	15.82	0.0382
Middle		1	0	17.07	0.0509	15.92	0.0391
Highest		1	0	17.00	0.0501	16.35	0.0432
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	16.88	0.0488	15.76	0.0377
Middle		1	0	16.82	0.0481	15.52	0.0356
Highest		1	0	16.81	0.0480	15.89	0.0388
Lowest	16QAM	1	0	16.92	0.0492	15.81	0.0381
Middle		1	0	16.98	0.0499	15.75	0.0376
Highest		1	0	16.99	0.0500	16.08	0.0406
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	18.54	0.0714	9.15	0.0082
Middle		1	0	18.16	0.0655	9.45	0.0088
Highest		1	0	17.96	0.0625	10.18	0.0104
Lowest	16QAM	1	0	17.78	0.0600	8.32	0.0068
Middle		1	0	17.36	0.0545	8.68	0.0074
Highest		1	0	17.20	0.0525	9.31	0.0085
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	18.48	0.0705	8.99	0.0079
Middle		1	0	18.25	0.0668	9.36	0.0086
Highest		1	0	18.08	0.0643	9.86	0.0097
Lowest	16QAM	1	0	17.64	0.0581	8.19	0.0066
Middle		1	0	17.27	0.0533	8.57	0.0072
Highest		1	0	17.09	0.0512	9.05	0.0080
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	18.76	0.0752	9.27	0.0085
Middle		1	0	18.41	0.0693	9.52	0.0090
Highest		1	0	18.18	0.0658	9.97	0.0099
Lowest	16QAM	1	0	17.82	0.0605	8.39	0.0069
Middle		1	0	17.42	0.0552	8.59	0.0072
Highest		1	0	17.24	0.0530	8.95	0.0079
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	18.73	0.0746	9.12	0.0082
Middle		1	0	18.63	0.0729	9.52	0.0090
Highest		1	0	18.17	0.0656	9.74	0.0094
Lowest	16QAM	1	0	18.12	0.0649	8.48	0.0070
Middle		1	0	17.90	0.0617	8.94	0.0078
Highest		1	0	17.54	0.0568	9.11	0.0081
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	17.56	0.0570	14.18	0.0262
Middle		1	0	17.57	0.0571	13.44	0.0221
Highest		1	0	17.75	0.0596	13.75	0.0237
Lowest	16QAM	1	0	17.77	0.0598	14.30	0.0269
Middle		1	0	17.84	0.0608	13.60	0.0229
Highest		1	0	18.12	0.0649	14.14	0.0259
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	17.84	0.0608	14.07	0.0255
Middle		1	0	17.58	0.0573	13.54	0.0226
Highest		1	0	17.82	0.0605	14.02	0.0252
Lowest	16QAM	1	0	18.31	0.0678	14.41	0.0276
Middle		1	0	17.98	0.0628	13.81	0.0240
Highest		1	0	18.14	0.0652	14.18	0.0262
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 15MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	17.69	0.0587	14.06	0.0255
Middle		1	0	17.39	0.0548	13.57	0.0228
Highest		1	0	17.62	0.0578	13.69	0.0234
Lowest	16QAM	1	0	17.94	0.0622	14.33	0.0271
Middle		1	0	17.97	0.0627	13.93	0.0247
Highest		1	0	17.85	0.0610	13.98	0.0250
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	17.65	0.0582	14.24	0.0265
Middle		1	0	17.59	0.0574	13.79	0.0239
Highest		1	0	17.98	0.0628	13.91	0.0246
Lowest	16QAM	1	0	18.11	0.0647	14.63	0.0290
Middle		1	0	18.36	0.0685	14.13	0.0259
Highest		1	0	18.11	0.0647	14.08	0.0256
Limit	EIRP < 2W			Result		PASS	



LTE Band 12 / 1.4MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	16.72	0.0470	1.19	0.0013
Middle		1	0	17.13	0.0516	1.38	0.0014
Highest		1	0	17.38	0.0547	1.47	0.0014
Lowest	16QAM	1	0	15.87	0.0386	0.41	0.0011
Middle		1	0	16.30	0.0427	0.59	0.0011
Highest		1	0	16.48	0.0445	0.26	0.0011
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	16.77	0.0475	1.32	0.0014
Middle		1	0	17.22	0.0527	1.39	0.0014
Highest		1	0	17.26	0.0532	1.13	0.0013
Lowest	16QAM	1	0	15.92	0.0391	0.50	0.0011
Middle		1	0	16.37	0.0434	0.53	0.0011
Highest		1	0	16.42	0.0439	0.14	0.0010
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	16.85	0.0484	1.31	0.0014
Middle		1	0	17.42	0.0552	1.57	0.0014
Highest		1	0	17.40	0.0550	1.03	0.0013
Lowest	16QAM	1	0	15.99	0.0397	0.52	0.0011
Middle		1	0	16.49	0.0446	0.67	0.0012
Highest		1	0	16.36	0.0433	0.08	0.0010
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	17.00	0.0501	0.44	0.0011
Middle		1	0	16.98	0.0499	0.98	0.0013
Highest		1	0	17.39	0.0548	2.19	0.0017
Lowest	16QAM	1	0	16.17	0.0414	-0.32	0.0009
Middle		1	0	16.20	0.0417	0.41	0.0011
Highest		1	0	16.69	0.0467	1.42	0.0014
Limit	ERP < 3W			Result		PASS	



LTE Band 17 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	17.12	0.0515	1.26	0.0013
Middle		1	0	17.13	0.0516	1.86	0.0015
Highest		1	0	17.15	0.0519	0.87	0.0012
Lowest	16QAM	1	0	16.28	0.0425	0.22	0.0011
Middle		1	0	16.36	0.0433	1.16	0.0013
Highest		1	0	16.26	0.0423	-0.07	0.0010
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	17.50	0.0562	2.03	0.0016
Middle		1	0	17.63	0.0579	2.34	0.0017
Highest		1	0	17.38	0.0547	2.22	0.0017
Lowest	16QAM	1	0	16.77	0.0475	1.23	0.0013
Middle		1	0	16.75	0.0473	1.52	0.0014
Highest		1	0	16.63	0.0460	1.36	0.0014
Limit	ERP < 3W			Result		PASS	

**Radiated Spurious Emission**

LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3700	-55.25	-13	-42.25	-73.91	-61.82	1.67	8.24	H
	5548	-53.17	-13	-40.17	-76.72	-60.24	2.65	9.72	H
	7403	-47.64	-13	-34.64	-76.42	-56.79	2.46	11.61	H
	3700	-55.41	-13	-42.41	-73.93	-61.98	1.67	8.24	V
	5548	-54.20	-13	-41.20	-76.65	-61.27	2.65	9.72	V
	7403	-48.18	-13	-35.18	-76.31	-57.33	2.46	11.61	V
Middle	3756	-55.53	-13	-42.53	-74.45	-62.15	1.68	8.31	H
	5639	-52.33	-13	-39.33	-76.03	-59.38	2.71	9.76	H
	7515	-47.85	-13	-34.85	-76.46	-57.23	2.42	11.81	H
	3756	-55.79	-13	-42.79	-74.31	-62.41	1.68	8.31	V
	5639	-53.84	-13	-40.84	-76.03	-60.89	2.71	9.76	V
	7515	-47.86	-13	-34.86	-76.02	-57.24	2.42	11.81	V
Highest	3819	-52.70	-13	-39.70	-74.6	-59.38	1.70	8.38	H
	5723	-49.38	-13	-36.38	-75.54	-56.42	2.75	9.79	H
	7634	-45.54	-13	-32.54	-75.91	-55.03	2.39	11.88	H
	3819	-53.56	-13	-40.56	-74.64	-60.24	1.70	8.38	V
	5723	-50.79	-13	-37.79	-75.94	-57.83	2.75	9.79	V
	7634	-45.69	-13	-32.69	-75.87	-55.18	2.39	11.88	V

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



LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3700	-55.59	-13	-42.59	-74.26	-62.16	1.67	8.24	H
	5548	-52.71	-13	-39.71	-76.46	-59.78	2.65	9.72	H
	7403	-47.52	-13	-34.52	-76.43	-56.67	2.46	11.61	H
	3700	-55.86	-13	-42.86	-74.3	-62.43	1.67	8.24	V
	5548	-54.57	-13	-41.57	-76.77	-61.64	2.65	9.72	V
	7403	-47.84	-13	-34.84	-76.04	-56.99	2.46	11.61	V
Middle	3756	-54.88	-13	-41.88	-73.9	-61.5	1.68	8.31	H
	5632	-52.53	-13	-39.53	-76.18	-59.58	2.70	9.75	H
	7515	-47.72	-13	-34.72	-76.47	-57.1	2.42	11.81	H
	3756	-56.01	-13	-43.01	-74.61	-62.63	1.68	8.31	V
	5632	-53.95	-13	-40.95	-76.02	-61	2.70	9.75	V
	7515	-47.39	-13	-34.39	-75.81	-56.77	2.42	11.81	V
Highest	3812	-52.89	-13	-39.89	-74.52	-59.56	1.70	8.37	H
	5723	-49.50	-13	-36.50	-75.8	-56.54	2.75	9.79	H
	7627	-45.33	-13	-32.33	-75.8	-54.82	2.39	11.88	H
	3812	-53.92	-13	-40.92	-74.62	-60.59	1.70	8.37	V
	5723	-50.51	-13	-37.51	-75.92	-57.55	2.75	9.79	V
	7627	-45.52	-13	-32.52	-75.61	-55.01	2.39	11.88	V

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



LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3700	-56.75	-13	-43.75	-75.43	-63.32	1.67	8.24	H
	5552	-54.04	-13	-41.04	-77.77	-61.11	2.65	9.72	H
	7400	-48.72	-13	-35.72	-77.57	-57.86	2.46	11.60	H
	3700	-56.86	-13	-43.86	-75.42	-63.43	1.67	8.24	V
	5552	-55.60	-13	-42.60	-77.8	-62.67	2.65	9.72	V
	7400	-49.64	-13	-36.64	-77.58	-58.78	2.46	11.60	V
Middle	3756	-56.65	-13	-43.65	-75.65	-63.27	1.68	8.31	H
	5632	-53.39	-13	-40.39	-76.94	-60.44	2.70	9.75	H
	7512	-48.62	-13	-35.62	-77.33	-58	2.43	11.81	H
	3756	-57.19	-13	-44.19	-75.79	-63.81	1.68	8.31	V
	5632	-54.92	-13	-41.92	-77.06	-61.97	2.70	9.75	V
	7512	-49.10	-13	-36.10	-77.37	-58.48	2.43	11.81	V
Highest	3808	-54.28	-13	-41.28	-75.84	-60.95	1.70	8.37	H
	5716	-51.96	-13	-38.96	-77.1	-59	2.75	9.79	H
	7620	-46.40	-13	-33.40	-76.91	-55.88	2.39	11.87	H
	3808	-55.36	-13	-42.36	-75.97	-62.03	1.70	8.37	V
	5716	-51.95	-13	-38.95	-77.03	-58.99	2.75	9.79	V
	7620	-46.91	-13	-33.91	-76	-56.39	2.39	11.87	V

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



LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3700	-56.48	-13	-43.48	-75.13	-63.05	1.67	8.24	H
	5552	-54.78	-13	-41.78	-78.52	-61.85	2.65	9.72	H
	7400	-47.88	-13	-34.88	-77.69	-57.02	2.46	11.60	H
	3700	-56.68	-13	-43.68	-75.2	-63.25	1.67	8.24	V
	5552	-56.25	-13	-43.25	-78.45	-63.32	2.65	9.72	V
	7400	-49.50	-13	-36.50	-77.62	-58.64	2.46	11.60	V
Middle	3752	-56.45	-13	-43.45	-75.36	-63.07	1.68	8.30	H
	5624	-53.54	-13	-40.54	-77.19	-60.59	2.70	9.75	H
	7500	-48.30	-13	-35.30	-77	-57.67	2.43	11.80	H
	3752	-57.05	-13	-44.05	-75.71	-63.67	1.68	8.30	V
	5624	-55.31	-13	-42.31	-77.45	-62.36	2.70	9.75	V
	7500	-48.93	-13	-35.93	-77.35	-58.3	2.43	11.80	V
Highest	3800	-53.75	-13	-40.75	-75.27	-60.41	1.70	8.36	H
	5700	-50.99	-13	-37.99	-77.12	-58.03	2.74	9.78	H
	7600	-46.76	-13	-33.76	-77.38	-56.22	2.40	11.86	H
	3800	-54.63	-13	-41.63	-75.3	-61.29	1.70	8.36	V
	5700	-52.07	-13	-39.07	-77.07	-59.11	2.74	9.78	V
	7600	-47.40	-13	-34.40	-77.51	-56.86	2.40	11.86	V

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



LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3700	-55.78	-13	-42.78	-74.27	-62.35	1.67	8.24	H
	5548	-52.99	-13	-39.99	-76.55	-60.06	2.65	9.72	H
	7403	-47.07	-13	-34.07	-76.01	-56.22	2.46	11.61	H
	3700	-55.77	-13	-42.77	-74.27	-62.34	1.67	8.24	V
	5548	-54.79	-13	-41.79	-76.83	-61.86	2.65	9.72	V
	7403	-48.42	-13	-35.42	-76.19	-57.57	2.46	11.61	V
Middle	3742	-55.78	-13	-42.78	-74.84	-62.39	1.68	8.29	H
	5618	-52.23	-13	-39.23	-75.88	-59.28	2.69	9.75	H
	7487	-46.97	-13	-33.97	-75.81	-56.31	2.43	11.77	H
	3742	-56.80	-13	-43.80	-75.22	-63.41	1.68	8.29	V
	5618	-53.64	-13	-40.64	-75.7	-60.69	2.69	9.75	V
	7487	-47.72	-13	-34.72	-75.96	-57.06	2.43	11.77	V
Highest	3791	-52.97	-13	-39.97	-74.34	-59.62	1.70	8.35	H
	5688	-49.74	-13	-36.74	-75.72	-56.78	2.73	9.78	H
	7578	-45.82	-13	-32.82	-76.3	-55.26	2.40	11.85	H
	3791	-53.77	-13	-40.77	-74.43	-60.42	1.70	8.35	V
	5688	-50.79	-13	-37.79	-75.81	-57.83	2.73	9.78	V
	7578	-46.21	-13	-33.21	-76.29	-55.65	2.40	11.85	V

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



LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3700	-55.29	-13	-42.29	-73.78	-61.86	1.67	8.24	H
	5548	-53.14	-13	-40.14	-76.7	-60.21	2.65	9.72	H
	7403	-47.24	-13	-34.24	-76.31	-56.39	2.46	11.61	H
	3700	-55.32	-13	-42.32	-73.77	-61.89	1.67	8.24	V
	5548	-54.17	-13	-41.17	-76.53	-61.24	2.65	9.72	V
	7403	-48.28	-13	-35.28	-76.4	-57.43	2.46	11.61	V
Middle	3742	-55.18	-13	-42.18	-75.11	-61.79	1.68	8.29	H
	5611	-52.51	-13	-39.51	-76.27	-59.57	2.69	9.74	H
	7480	-47.31	-13	-34.31	-76.34	-56.63	2.44	11.76	H
	3742	-56.50	-13	-43.50	-74.97	-63.11	1.68	8.29	V
	5611	-54.52	-13	-41.52	-76.17	-61.58	2.69	9.74	V
	7480	-47.90	-13	-34.90	-76.16	-57.22	2.44	11.76	V
Highest	3777	-53.42	-13	-40.42	-74.62	-60.06	1.69	8.33	H
	5667	-50.27	-13	-37.27	-76.21	-57.32	2.72	9.77	H
	7557	-45.00	-13	-32.00	-75.96	-54.42	2.41	11.83	H
	3777	-54.00	-13	-41.00	-74.59	-60.64	1.69	8.33	V
	5667	-51.03	-13	-38.03	-75.73	-58.08	2.72	9.77	V
	7557	-45.67	-13	-32.67	-75.85	-55.09	2.41	11.83	V

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