



LTE Band 5

Conducted Output Power(Average power)

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.19	23.26	23.35
1.4	1	2		23.37	23.27	23.52
1.4	1	5		23.11	23.28	23.37
1.4	3	0		23.36	23.33	23.45
1.4	3	1		23.33	23.49	23.66
1.4	3	2		23.33	23.48	23.50
1.4	6	0		22.32	22.37	22.50
1.4	1	0	16-QAM	22.68	22.96	22.52
1.4	1	2		22.54	22.83	22.57
1.4	1	5		22.56	22.46	22.83
1.4	3	0		22.32	22.49	22.58
1.4	3	1		22.39	22.46	22.61
1.4	3	2		22.48	22.29	22.62
1.4	6	0		21.14	21.28	21.46
3	1	0	QPSK	23.44	23.54	23.57
3	1	7		23.34	23.15	23.56
3	1	14		23.63	23.46	23.77
3	8	0		22.29	22.31	22.45
3	8	4		22.36	22.47	22.65
3	8	7		22.32	22.39	22.57
3	15	0		22.30	22.36	22.45
3	1	0	16-QAM	22.85	22.94	22.88
3	1	7		22.47	22.49	22.65
3	1	14		22.56	22.94	22.97
3	8	0		21.40	21.38	21.49
3	8	4		21.55	21.49	21.50
3	8	7		21.34	21.26	21.49
3	15	0		21.26	21.42	21.50



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.40	23.18	23.56
5	1	12		23.40	23.37	23.62
5	1	24		23.48	23.36	23.47
5	12	0		22.40	22.39	22.44
5	12	6		22.35	22.33	22.53
5	12	11		22.34	22.28	22.50
5	25	0		22.37	22.49	22.46
5	1	0	16-QAM	22.59	22.93	22.92
5	1	12		22.35	22.48	22.73
5	1	24		22.42	22.35	22.48
5	12	0		21.36	21.31	21.35
5	12	6		21.34	21.32	21.45
5	12	11		21.30	21.28	21.43
5	25	0		21.30	21.45	21.56
10	1	0	QPSK	23.31	23.42	23.51
10	1	24		23.49	23.47	23.80
10	1	49		23.46	23.27	23.49
10	25	0		22.46	22.44	22.55
10	25	12		22.36	22.31	22.49
10	25	24		22.44	22.42	22.44
10	50	0		22.39	22.39	22.46
10	1	0	16-QAM	22.35	22.74	22.69
10	1	24		22.40	22.49	22.66
10	1	49		22.36	22.42	22.70
10	25	0		21.39	21.43	21.41
10	25	12		21.47	21.15	21.65
10	25	24		21.52	21.33	21.53
10	50	0		21.39	21.44	21.35

**Peak-to-Average Ratio**

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	RB Size	Result
Lowest CH	3.86	4.7	4.84	5.86	PASS
Middle CH	3.77	4.87	4.49	5.77	
Highest CH	3.91	4.7	4.52	5.68	



LTE Band 5 / 10MHz / QPSK

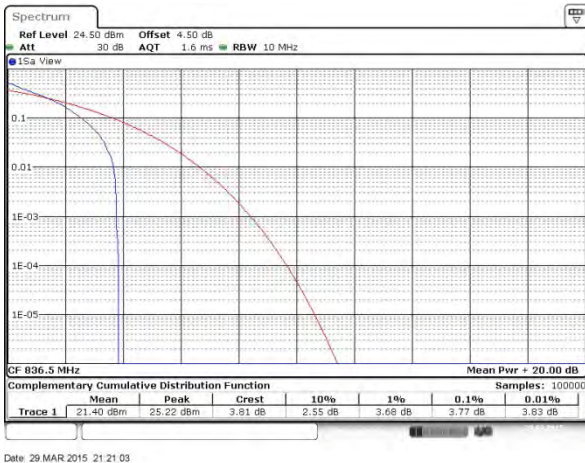
Lowest Channel / 1RB



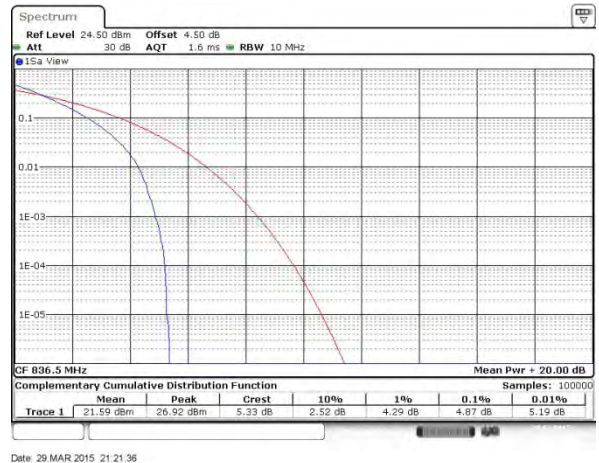
Lowest Channel / Full RB



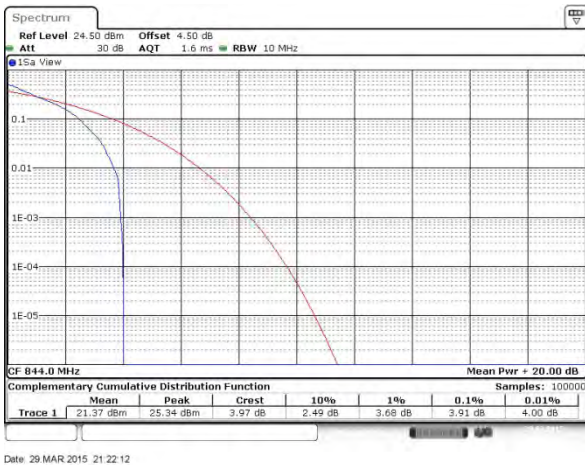
Middle Channel / 1RB



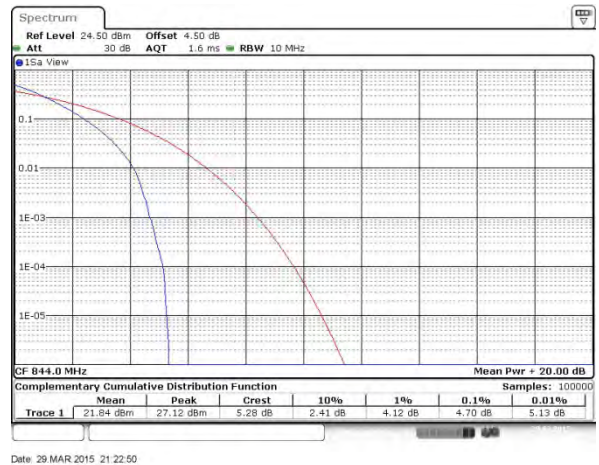
Middle Channel / Full RB



Highest Channel / 1RB



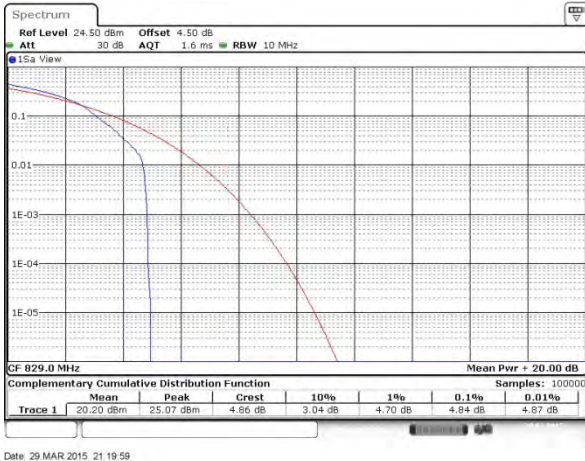
Highest Channel / Full RB



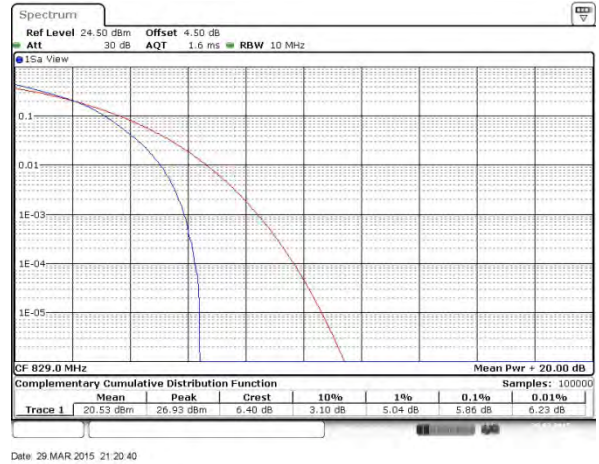


LTE Band 5 / 10MHz / 16QAM

Lowest Channel / 1RB



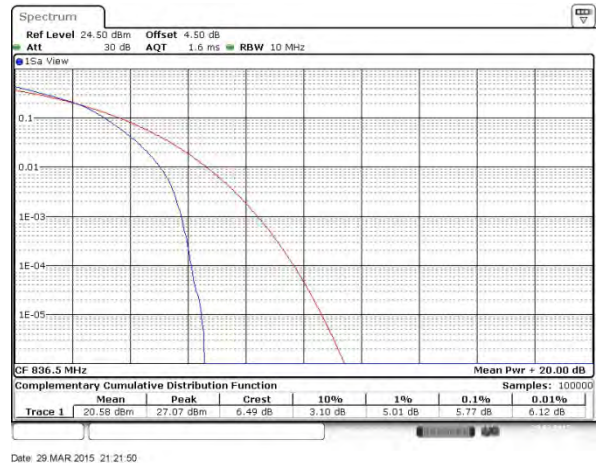
Lowest Channel / Full RB



Middle Channel / 1RB



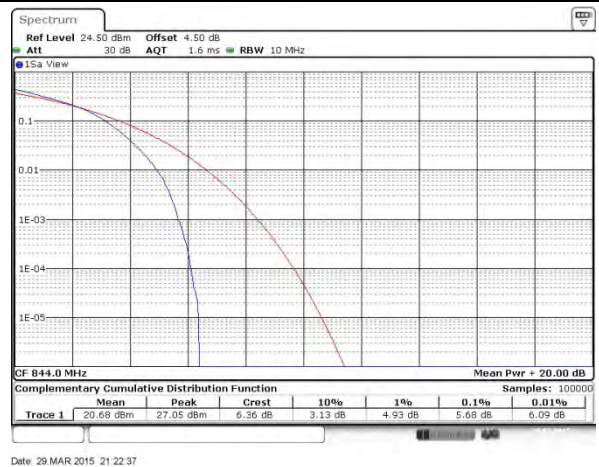
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



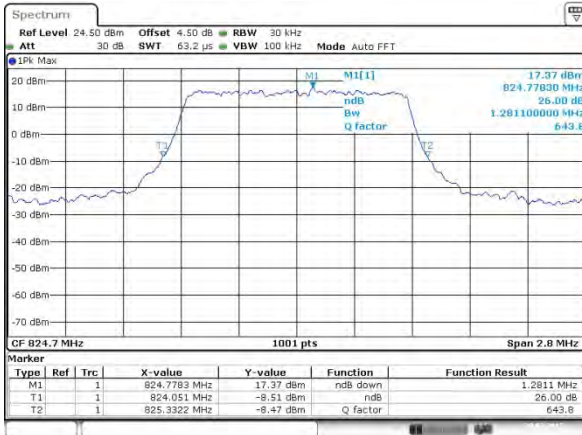
**26dB Bandwidth**

Mode	LTE Band 5 : 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	1.28	1.3	3.04	3.06	5.05	5.07	9.95	9.91	-	-	-	-
Middle CH	1.29	1.3	3.04	3.06	5.05	5.05	10.05	9.91	-	-	-	-
Highest CH	1.28	1.3	3.04	3.05	5.05	5.07	10.03	10.05	-	-	-	-

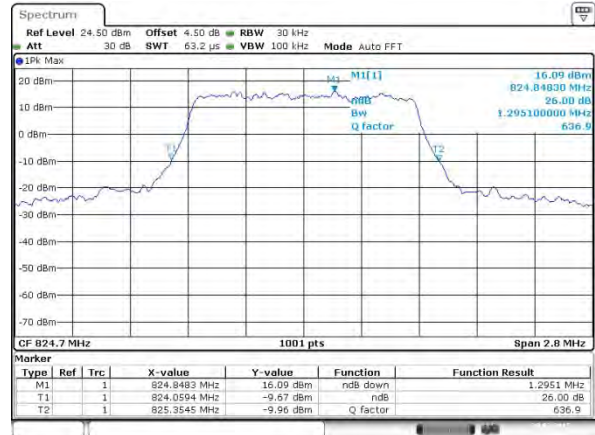


LTE Band 5

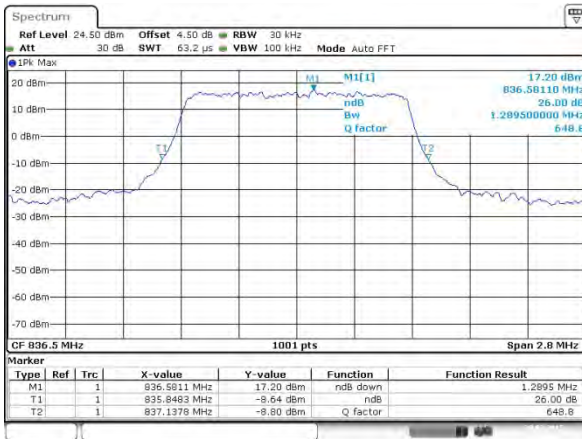
Lowest Channel / 1.4MHz / QPSK



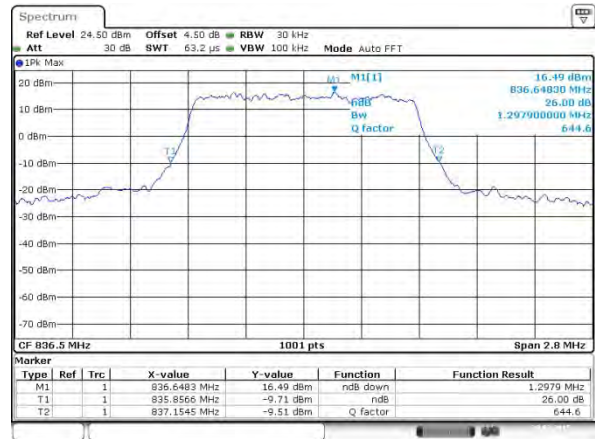
Lowest Channel / 1.4MHz / 16QAM



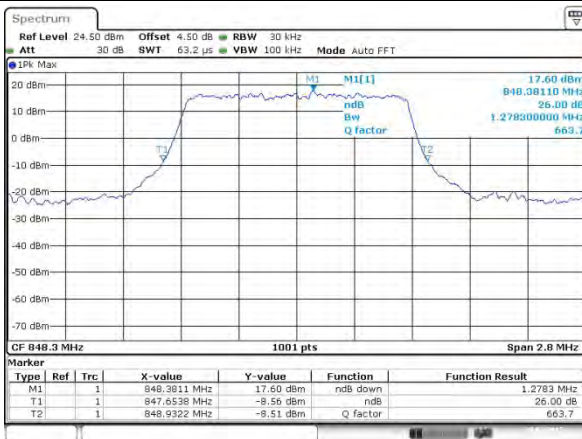
Middle Channel / 1.4MHz / QPSK



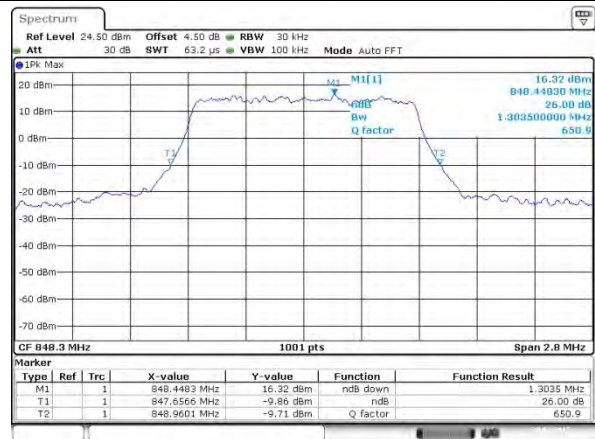
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



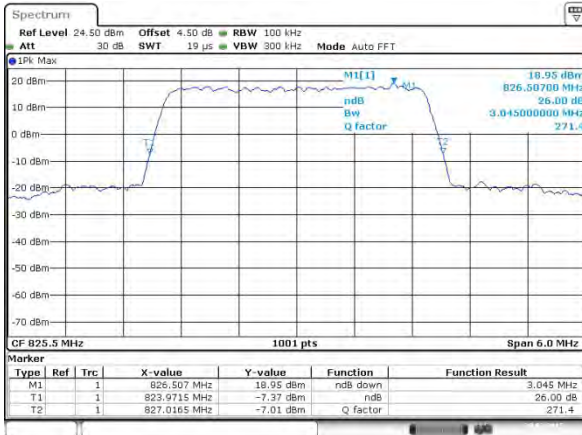
Highest Channel / 1.4MHz / 16QAM





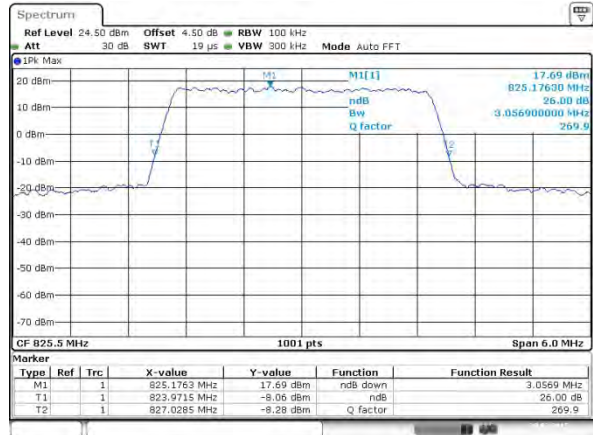
LTE Band 5

Lowest Channel / 3MHz / QPSK



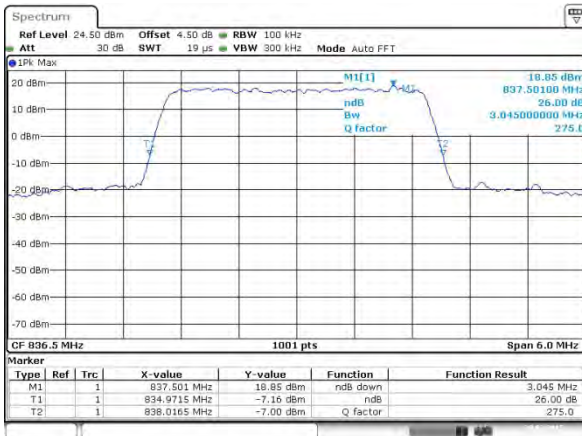
Date: 29 MAR 2015 19:55:05

Lowest Channel / 3MHz / 16QAM



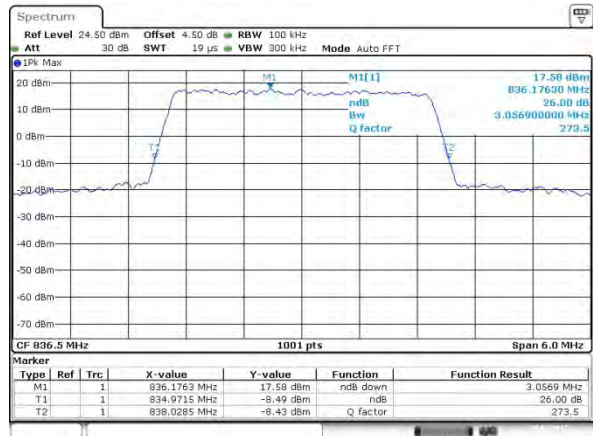
Date: 29 MAR 2015 19:55:17

Middle Channel / 3MHz / QPSK



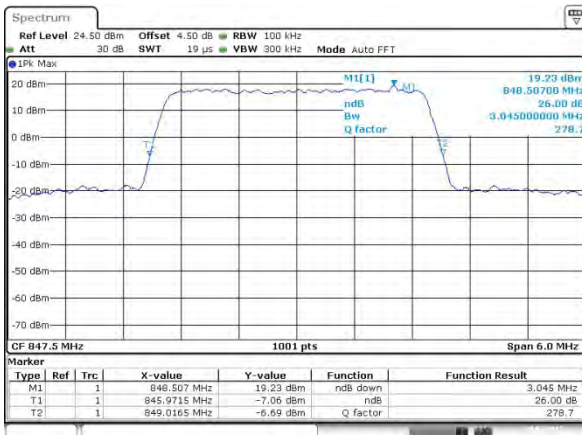
Date: 29 MAR 2015 19:58:25

Middle Channel / 3MHz / 16QAM



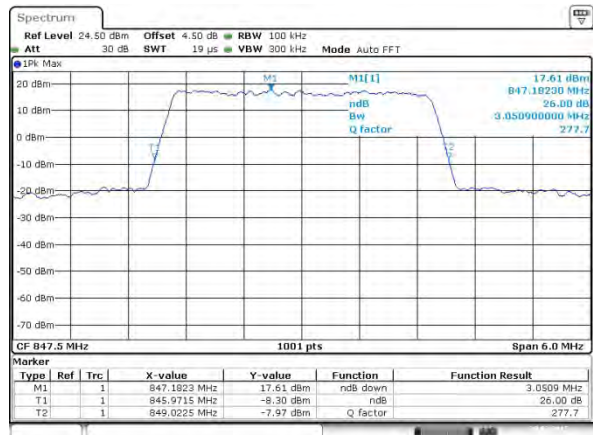
Date: 29 MAR 2015 19:58:37

Highest Channel / 3MHz / QPSK



Date: 29 MAR 2015 20:01:45

Highest Channel / 3MHz / 16QAM

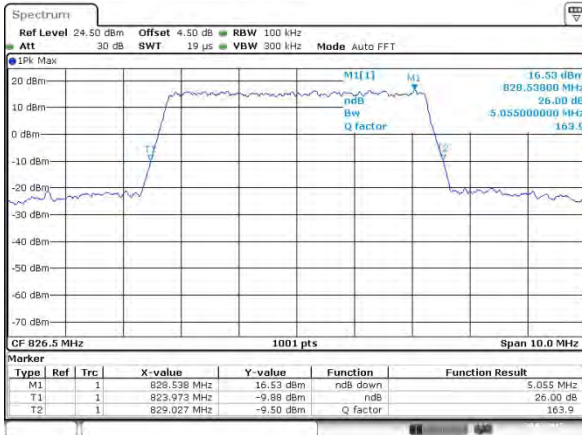


Date: 29 MAR 2015 20:01:57

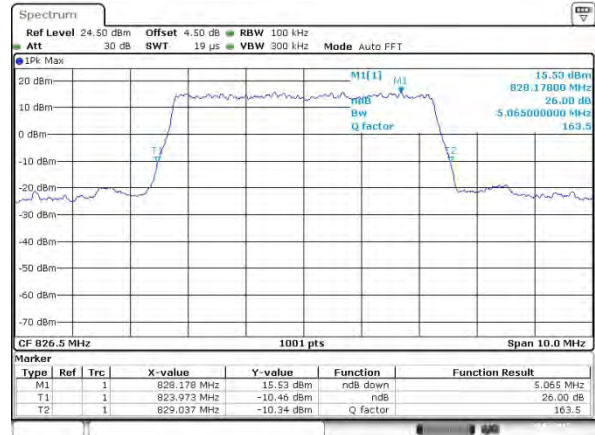


LTE Band 5

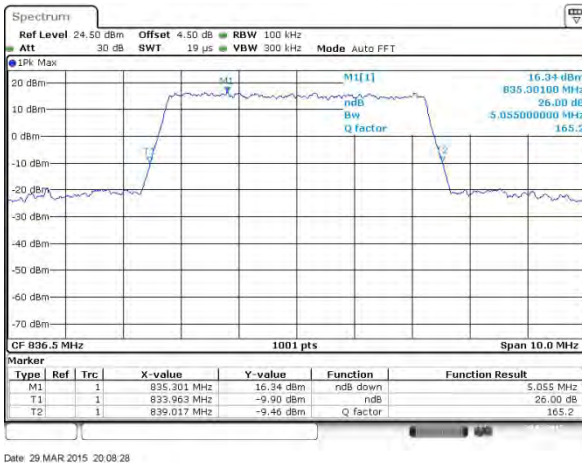
Lowest Channel / 5MHz / QPSK



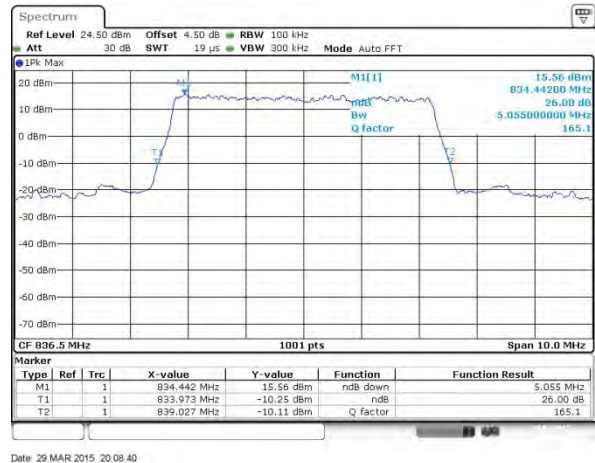
Lowest Channel / 5MHz / 16QAM



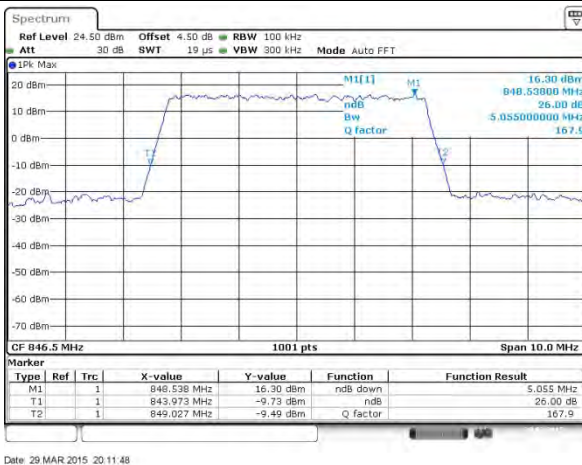
Middle Channel / 5MHz / QPSK



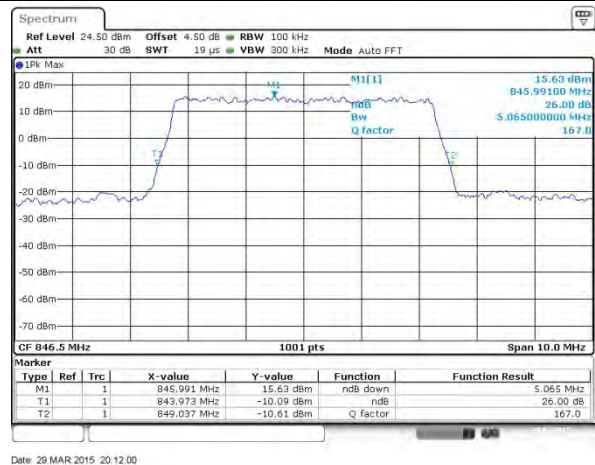
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



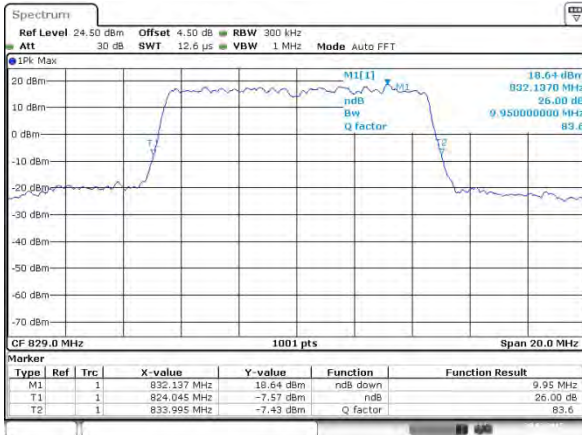
Highest Channel / 5MHz / 16QAM





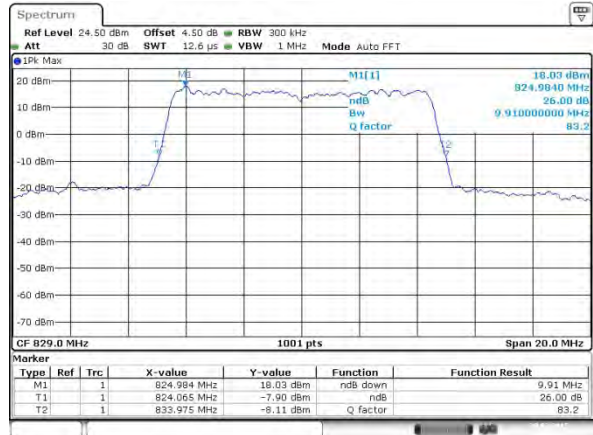
LTE Band 5

Lowest Channel / 10MHz / QPSK



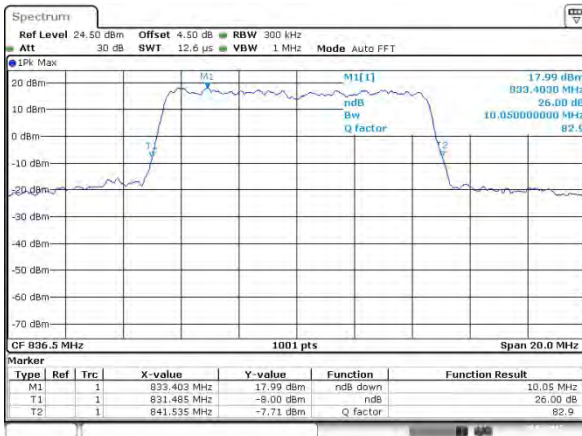
Date: 29 MAR 2015 20:15:08

Lowest Channel / 10MHz / 16QAM



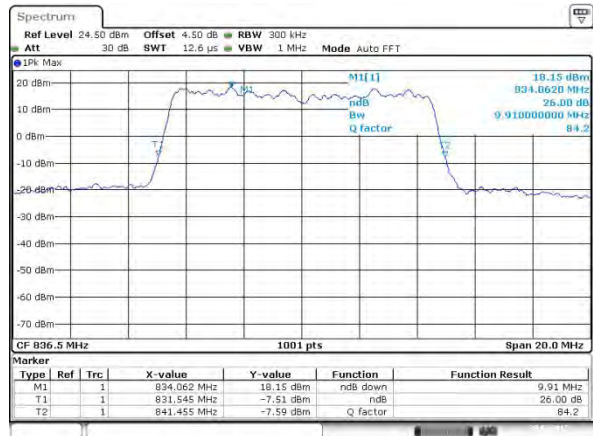
Date: 29 MAR 2015 20:15:20

Middle Channel / 10MHz / QPSK



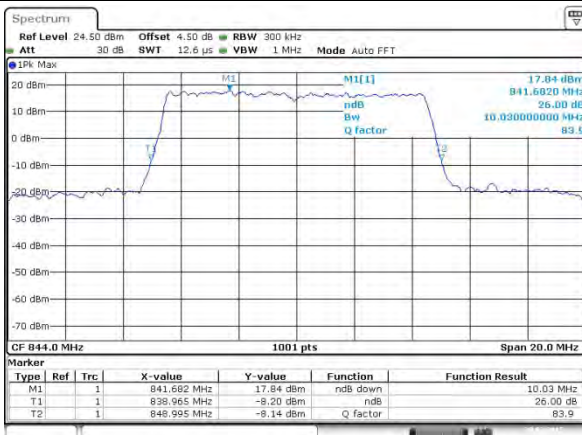
Date: 29 MAR 2015 20:18:27

Middle Channel / 10MHz / 16QAM



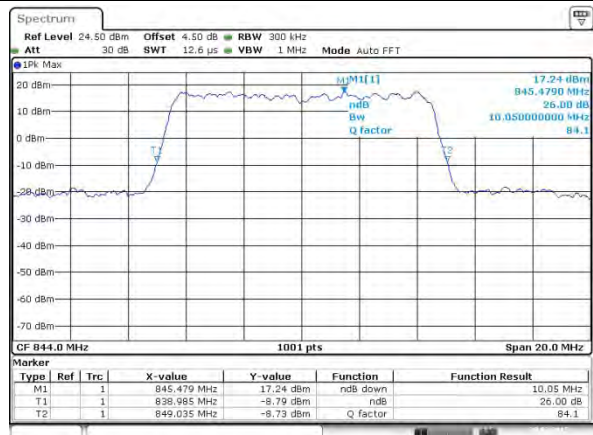
Date: 29 MAR 2015 20:18:39

Highest Channel / 10MHz / QPSK



Date: 29 MAR 2015 20:21:48

Highest Channel / 10MHz / 16QAM



Date: 29 MAR 2015 20:21:59

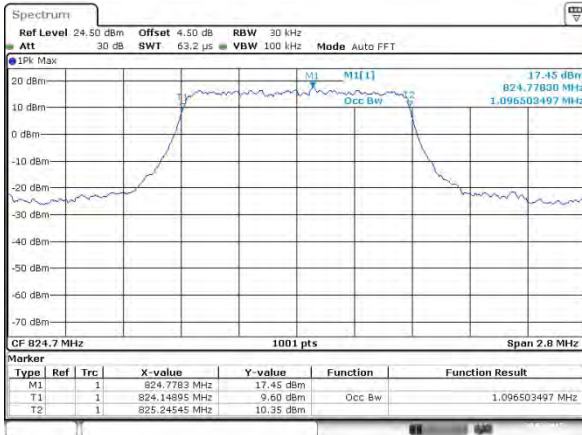
**Occupied Bandwidth**

Mode	LTE Band 5 : 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	1.1	1.09	2.73	2.73	4.51	4.52	9.09	9.01	-	-	-	-
Middle CH	1.1	1.1	2.73	2.73	4.51	4.5	9.01	9.05	-	-	-	-
Highest CH	1.09	1.1	2.72	2.72	4.51	4.5	9.03	9.01	-	-	-	-

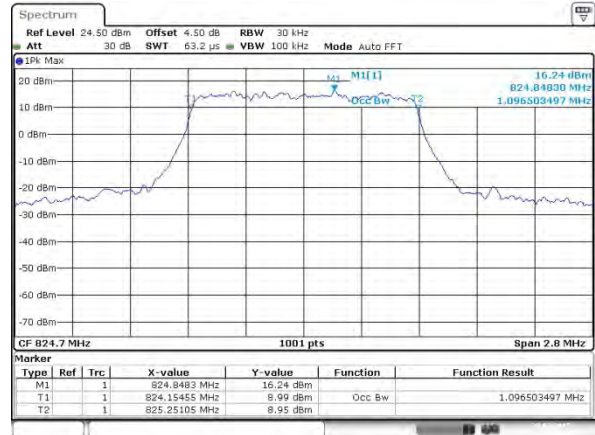


LTE Band 5

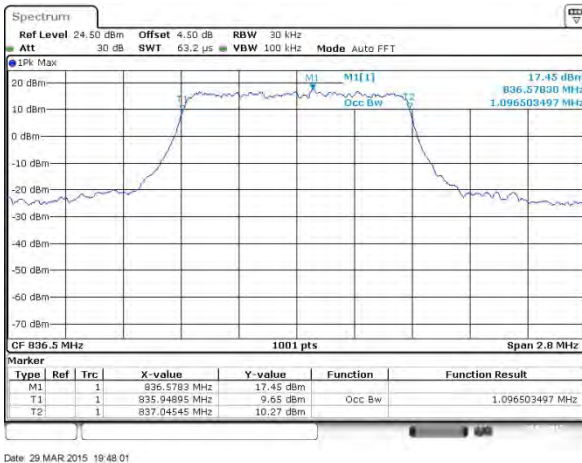
Lowest Channel / 1.4MHz / QPSK



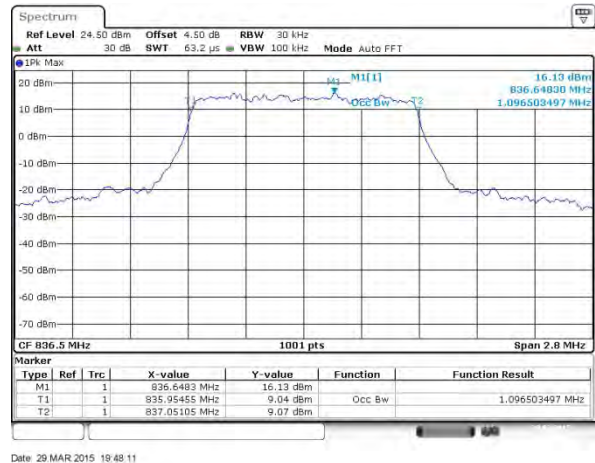
Lowest Channel / 1.4MHz / 16QAM



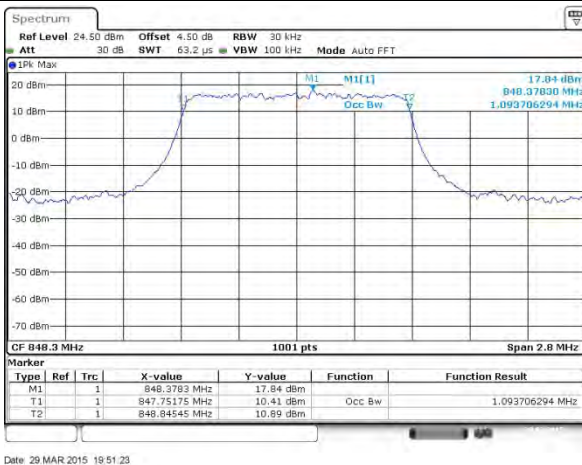
Middle Channel / 1.4MHz / QPSK



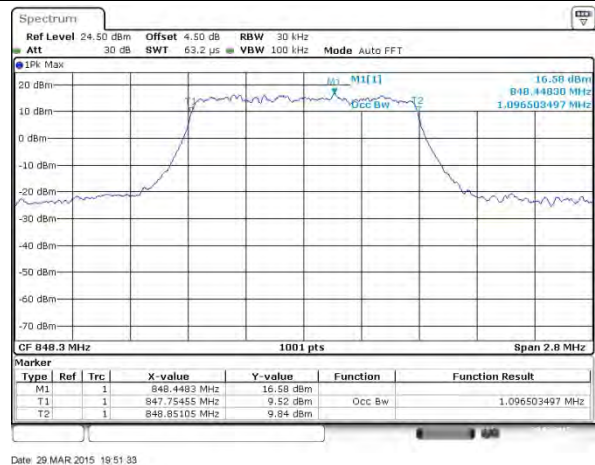
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



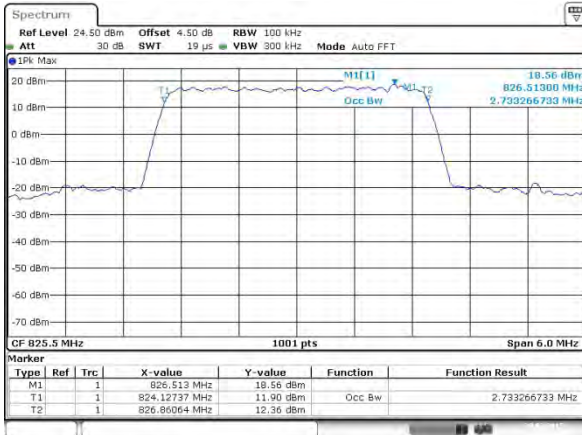
Highest Channel / 1.4MHz / 16QAM





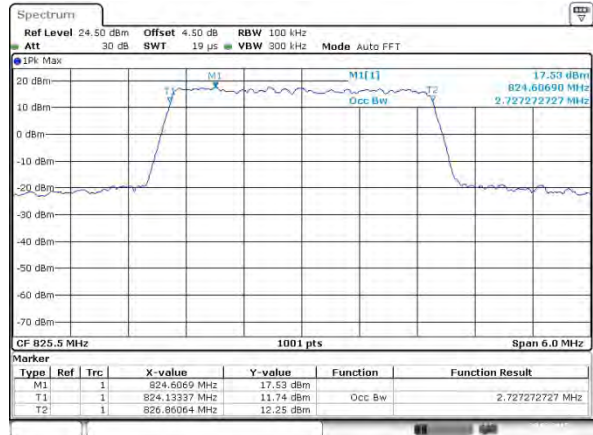
LTE Band 5

Lowest Channel / 3MHz / QPSK



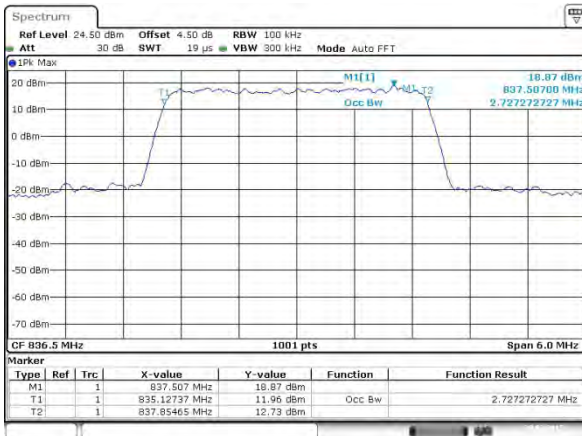
Date: 29 MAR 2015 19:54:43

Lowest Channel / 3MHz / 16QAM



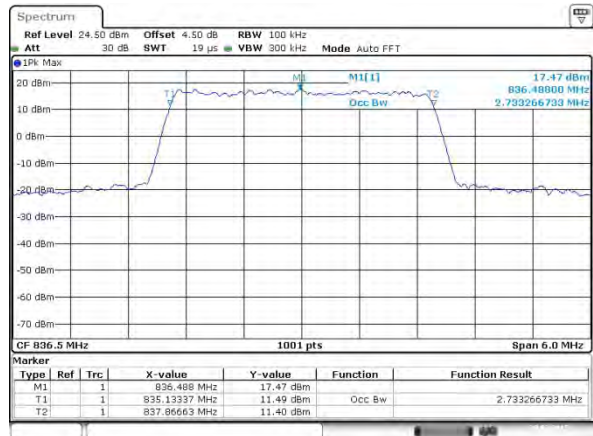
Date: 29 MAR 2015 19:54:53

Middle Channel / 3MHz / QPSK



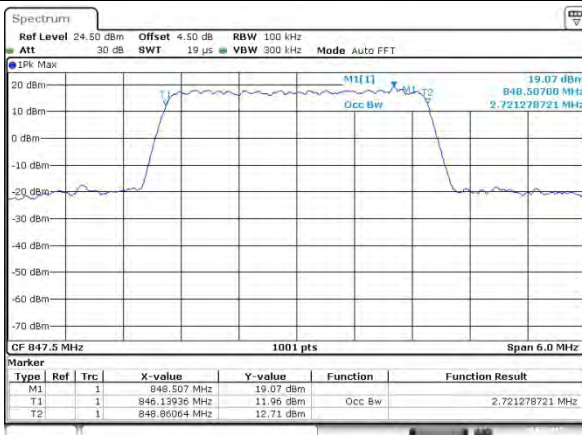
Date: 29 MAR 2015 19:58:03

Middle Channel / 3MHz / 16QAM



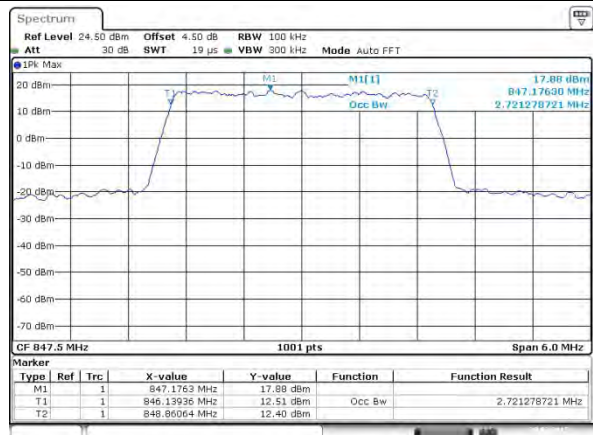
Date: 29 MAR 2015 19:58:13

Highest Channel / 3MHz / QPSK



Date: 29 MAR 2015 20:01:23

Highest Channel / 3MHz / 16QAM

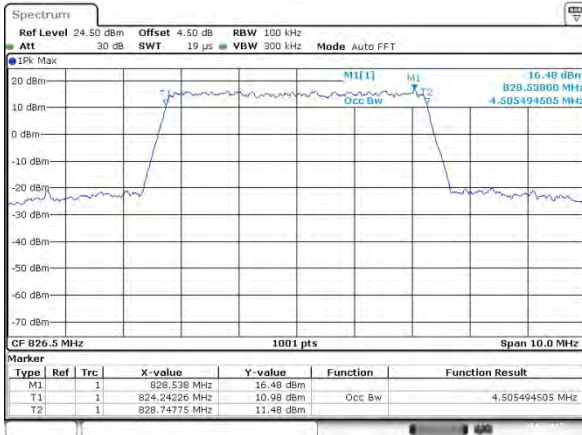


Date: 29 MAR 2015 20:01:33

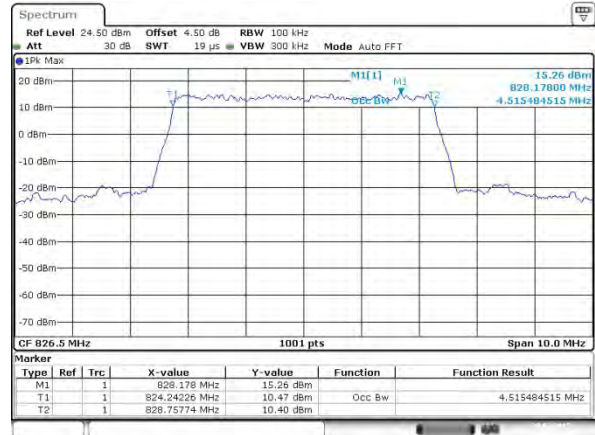


LTE Band 5

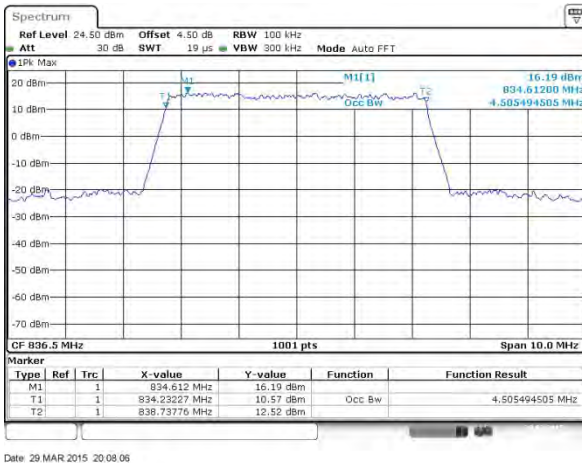
Lowest Channel / 5MHz / QPSK



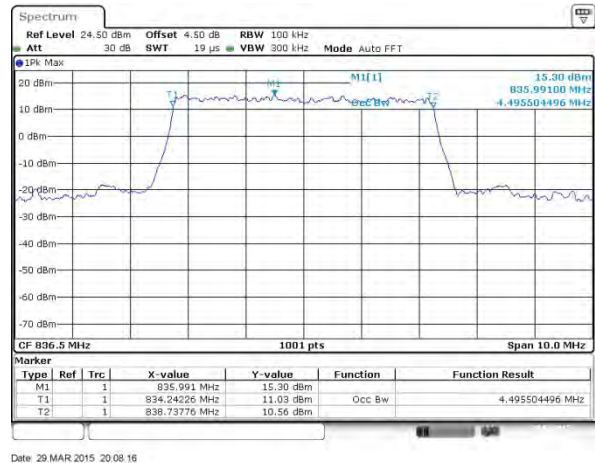
Lowest Channel / 5MHz / 16QAM



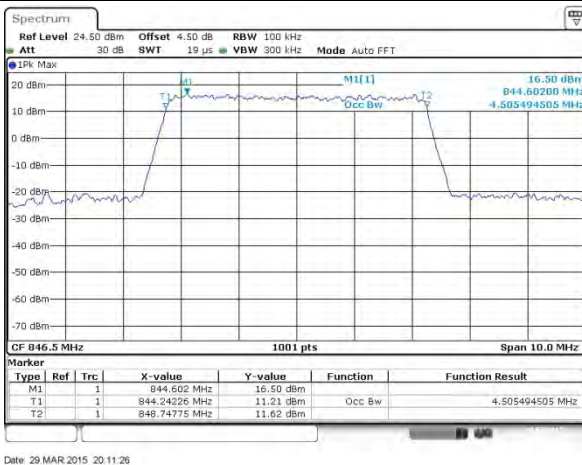
Middle Channel / 5MHz / QPSK



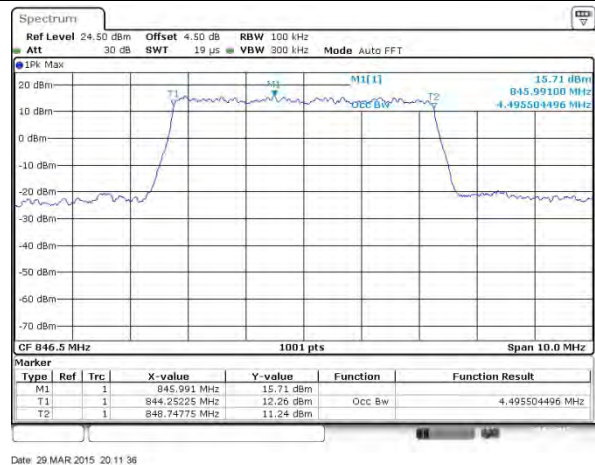
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



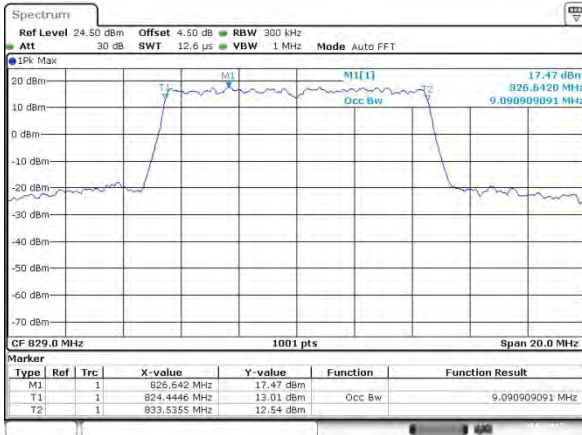
Highest Channel / 5MHz / 16QAM





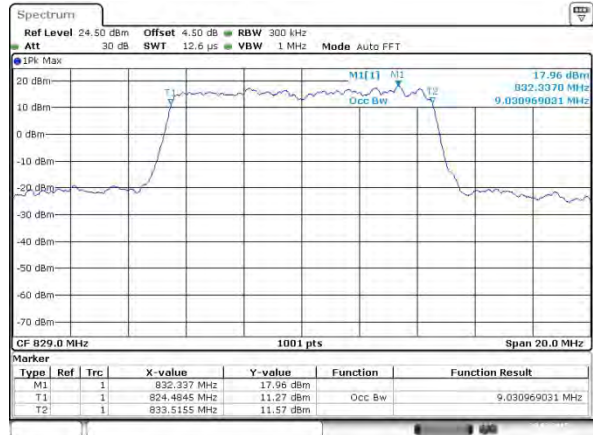
LTE Band 5

Lowest Channel / 10MHz / QPSK



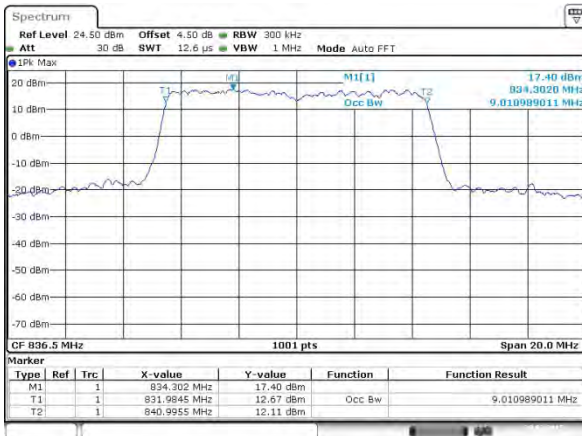
Date: 29 MAR 2015 20:14:46

Lowest Channel / 10MHz / 16QAM



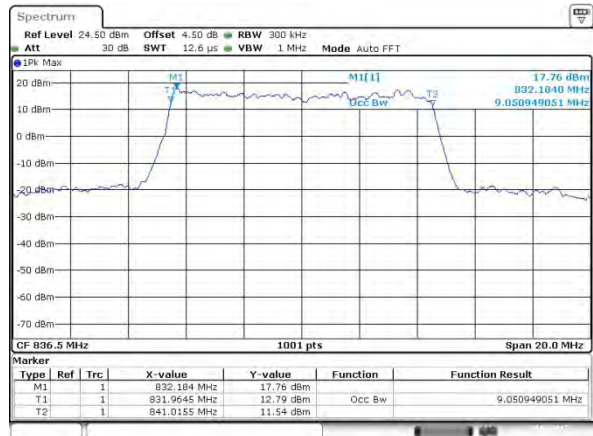
Date: 29 MAR 2015 20:14:56

Middle Channel / 10MHz / QPSK



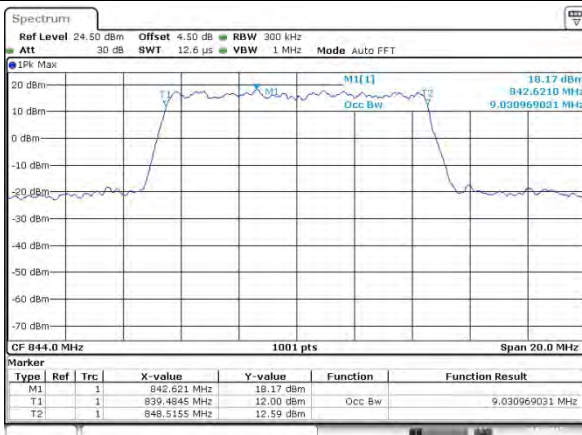
Date: 29 MAR 2015 20:18:06

Middle Channel / 10MHz / 16QAM



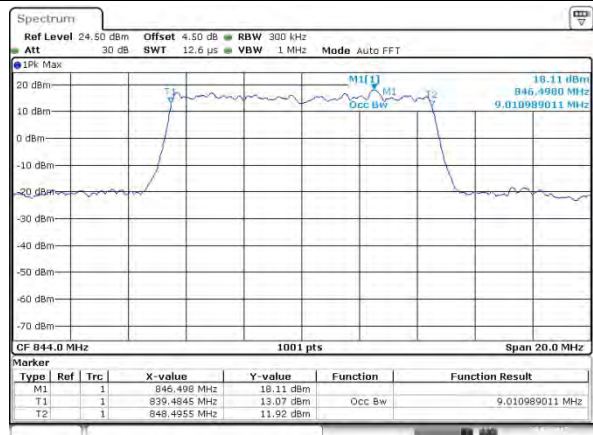
Date: 29 MAR 2015 20:18:16

Highest Channel / 10MHz / QPSK



Date: 29 MAR 2015 20:21:26

Highest Channel / 10MHz / 16QAM



Date: 29 MAR 2015 20:21:36

**Conducted Band Edge****LTE Band 5 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



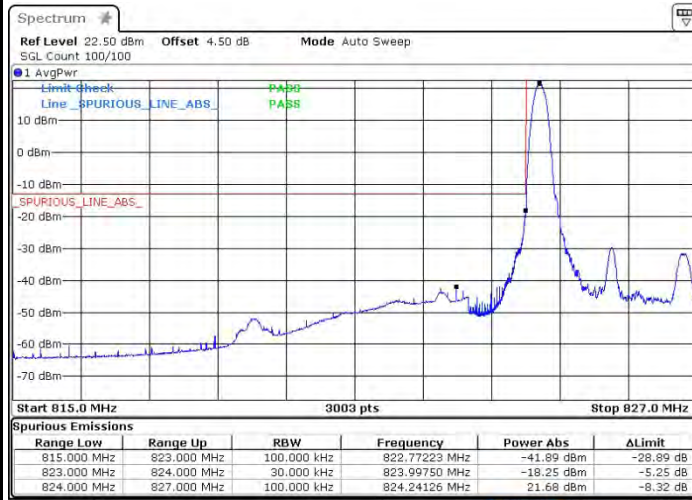
Highest Band Edge / Full RB



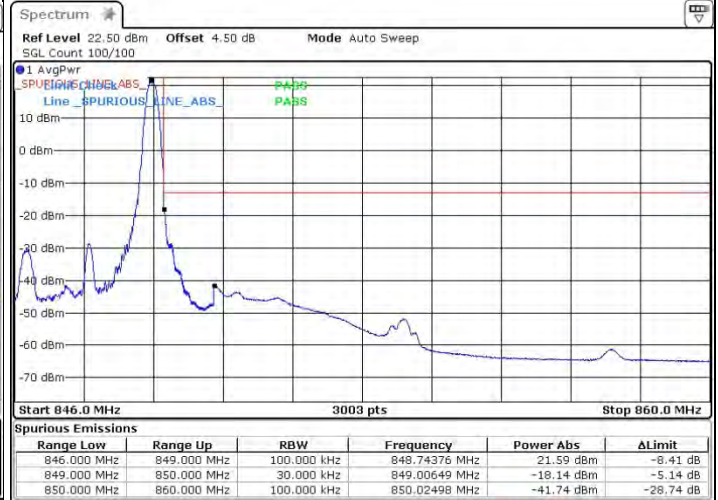


LTE Band 5 / 3MHz / QPSK

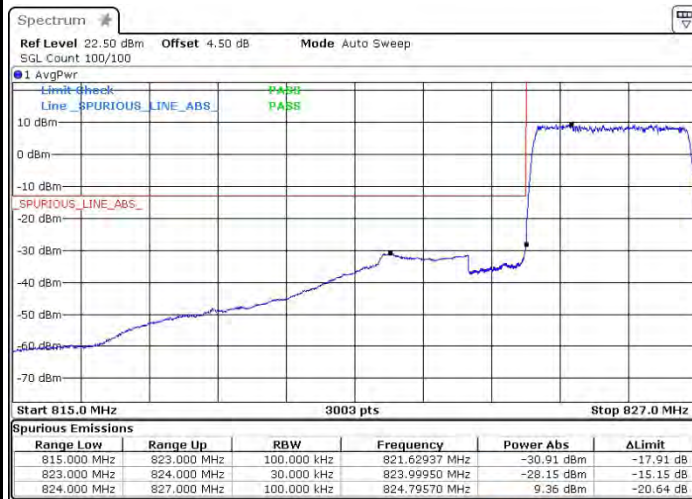
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



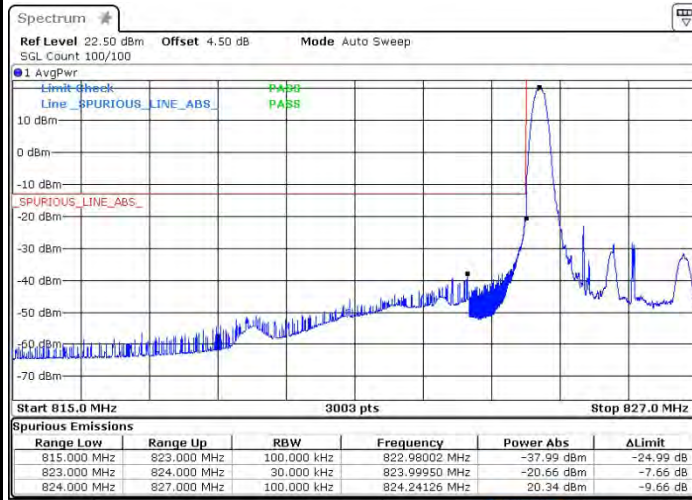
Highest Band Edge / Full RB





LTE Band 5 / 3MHz / 16QAM

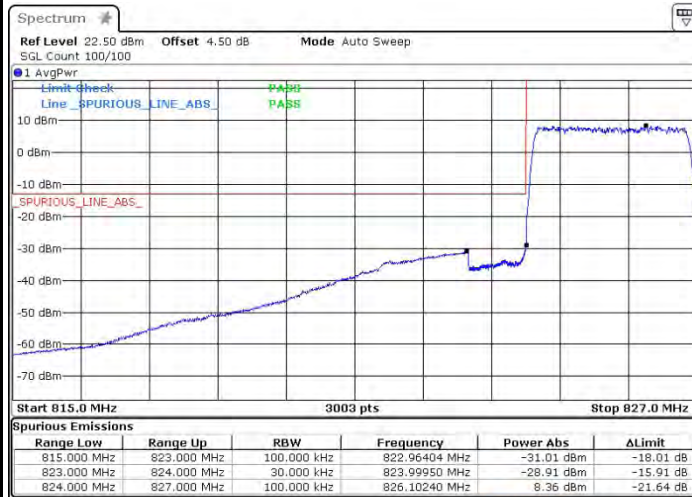
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



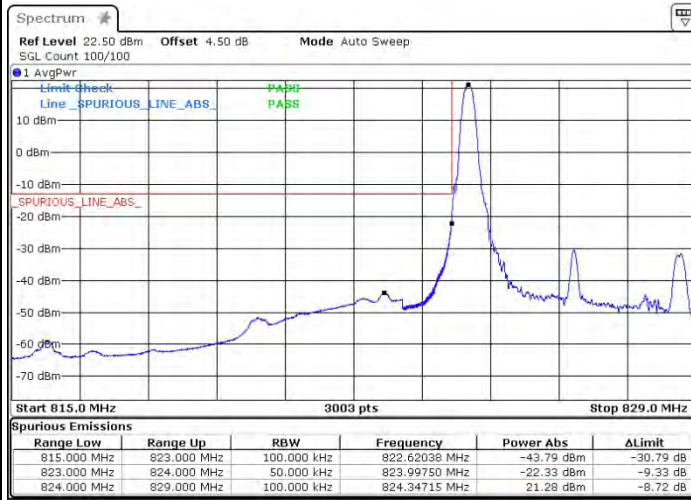
Highest Band Edge / Full RB





LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



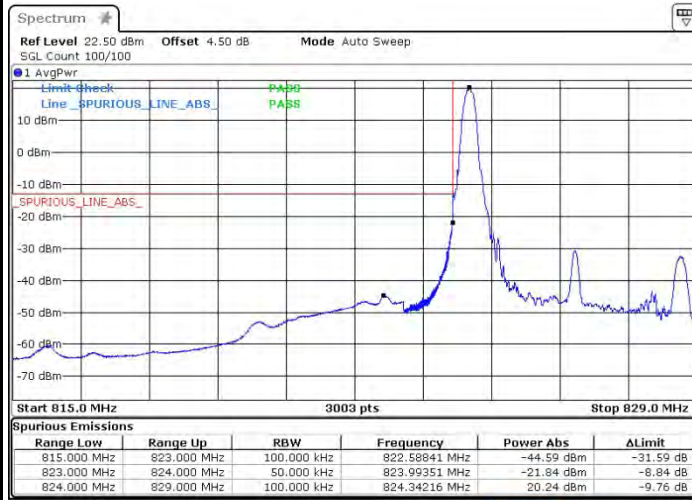
Highest Band Edge / Full RB



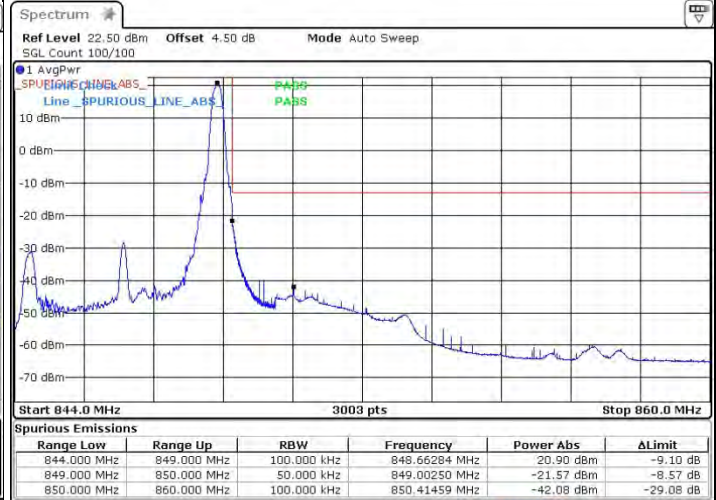


LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



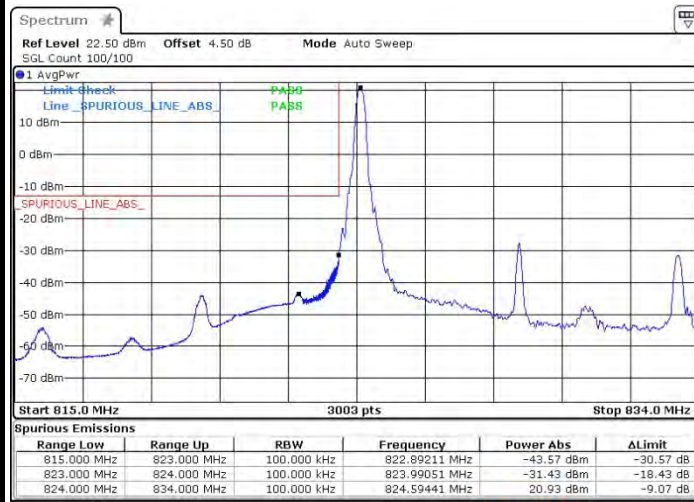
Highest Band Edge / Full RB



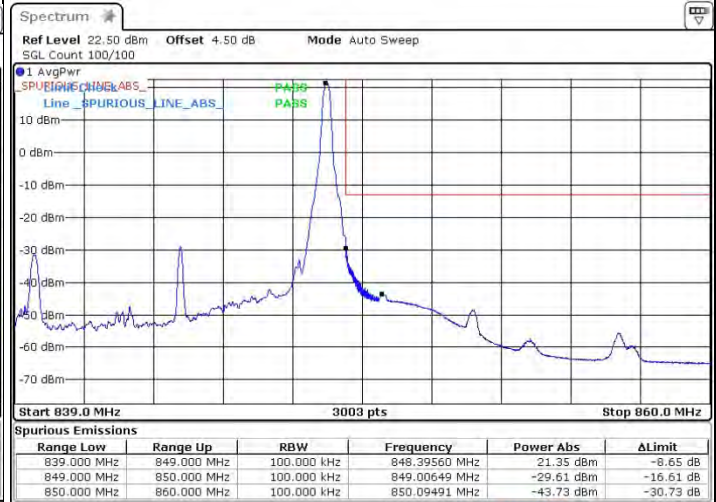


LTE Band 5 / 10MHz / QPSK

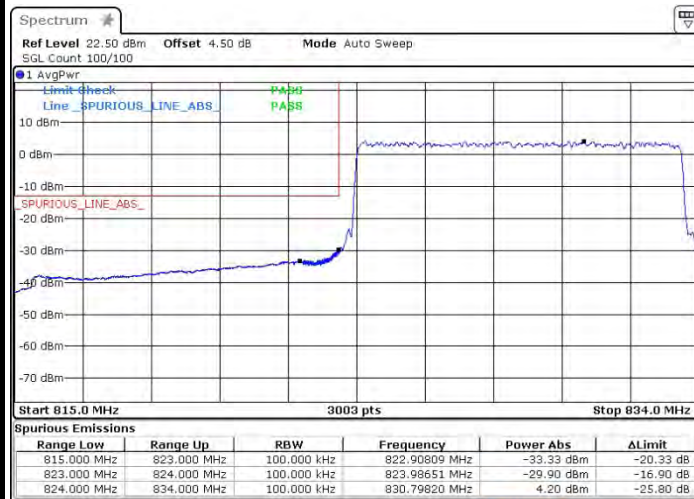
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



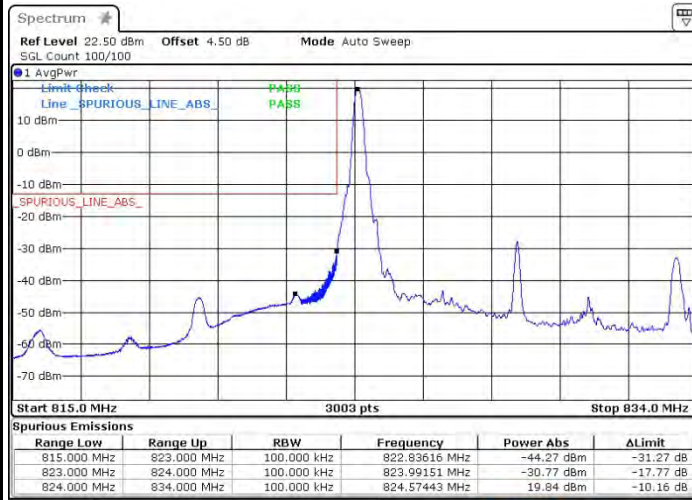
Highest Band Edge / Full RB



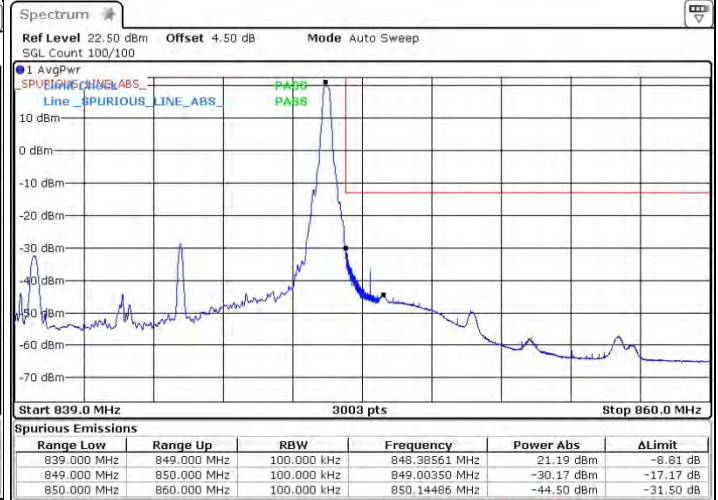


LTE Band 5 / 10MHz / 16QAM

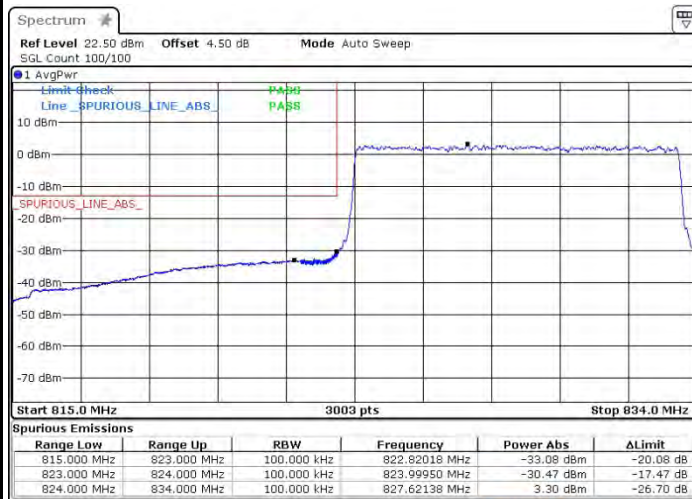
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



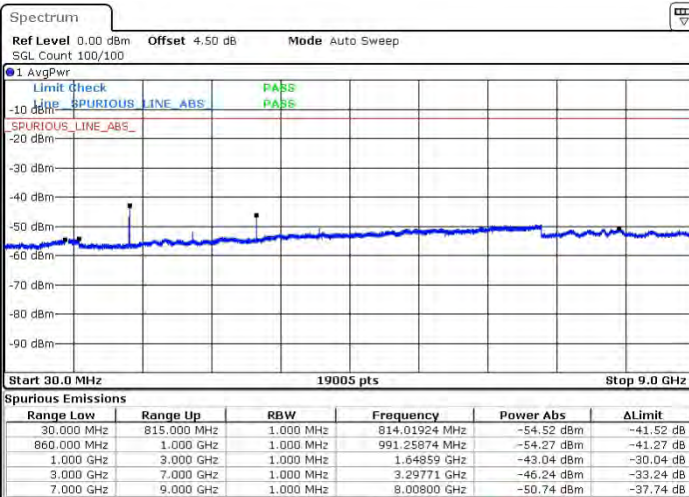


Conducted Spurious Emission

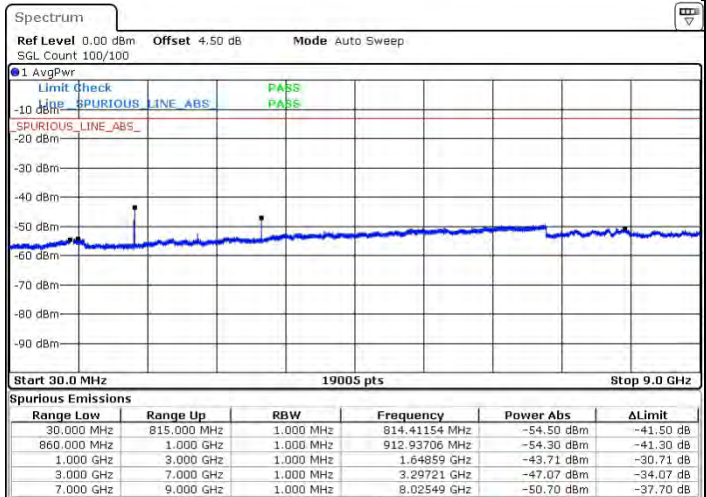
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



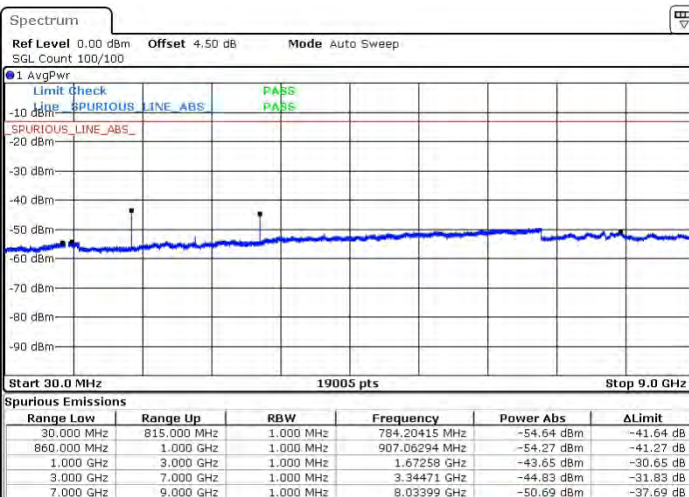
Date: 29 MAR 2015 19:46:20



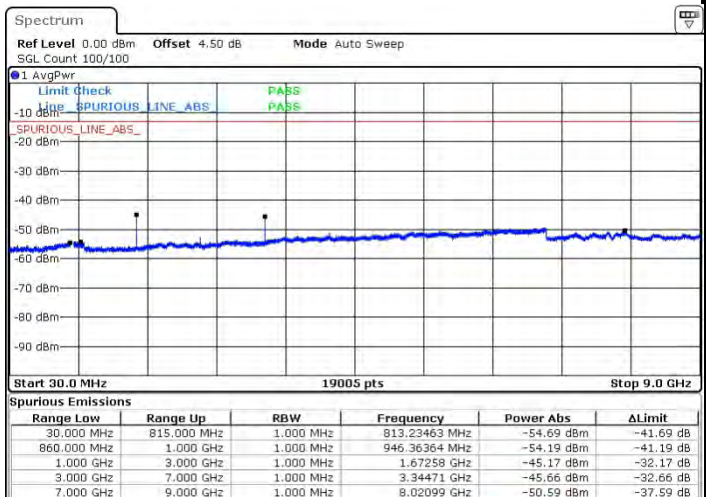
Date: 29 MAR 2015 19:47:41

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 29 MAR 2015 19:49:46



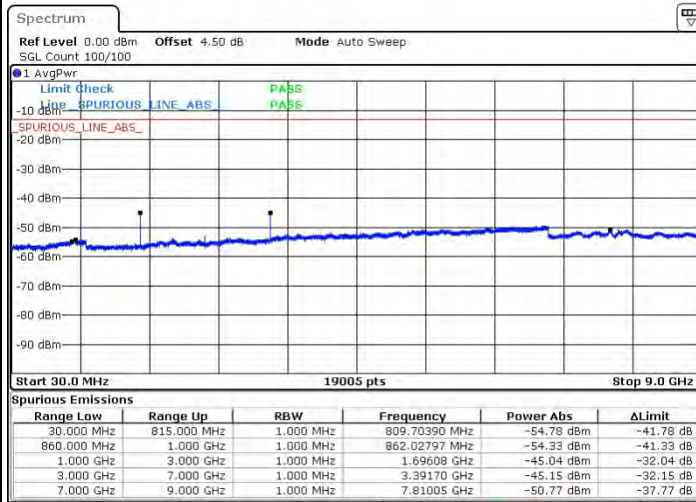
Date: 29 MAR 2015 19:51:03



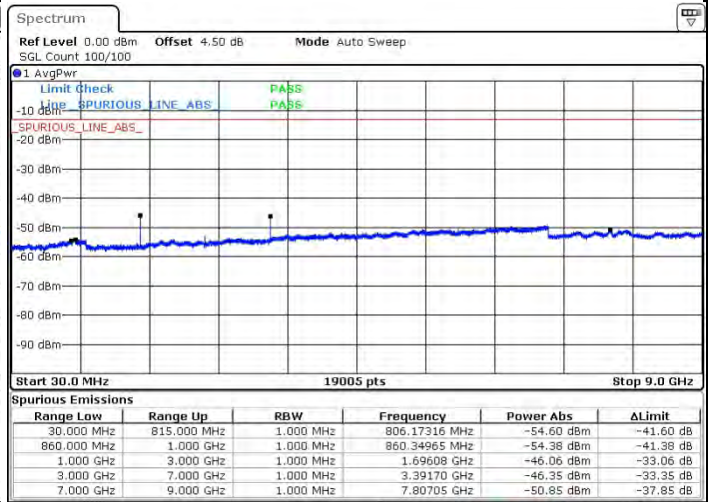
LTE Band 5 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 29 MAR 2015 19:53:05

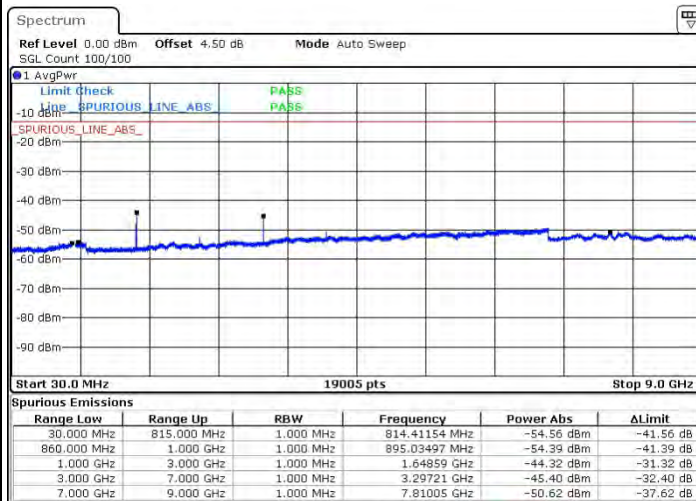


Date: 29 MAR 2015 19:54:23

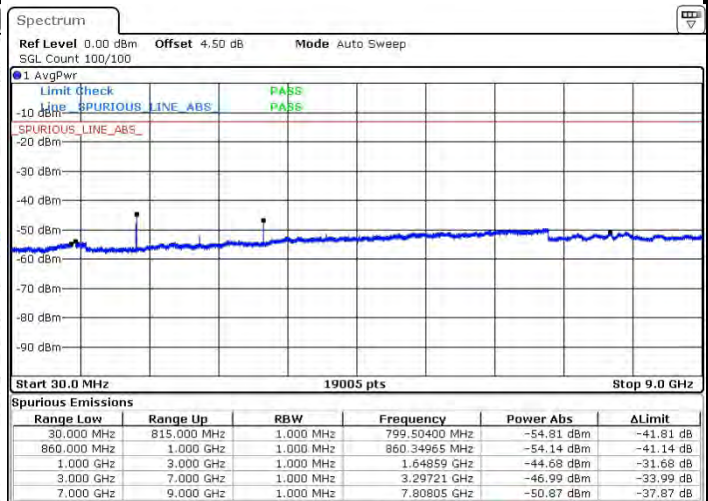
LTE Band 5 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 29 MAR 2015 19:56:25



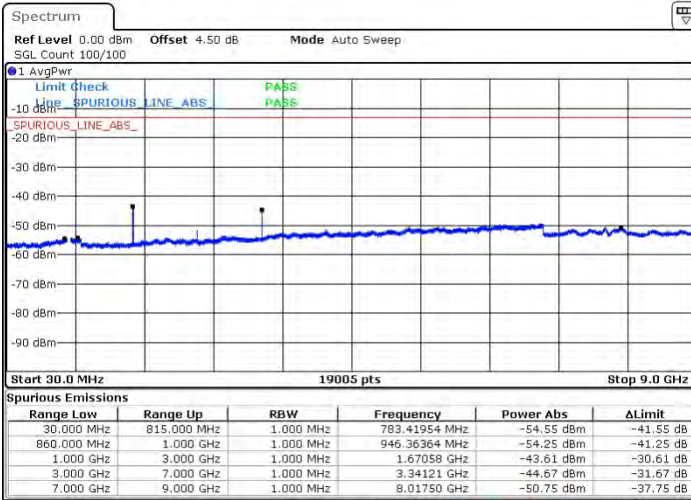
Date: 29 MAR 2015 19:57:43



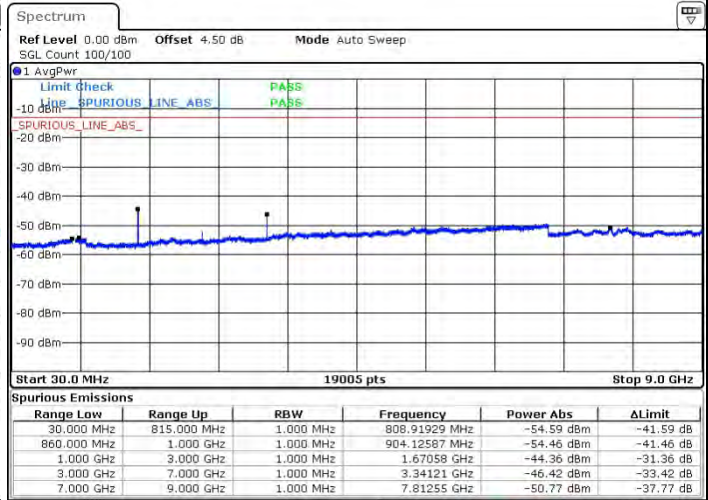
LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



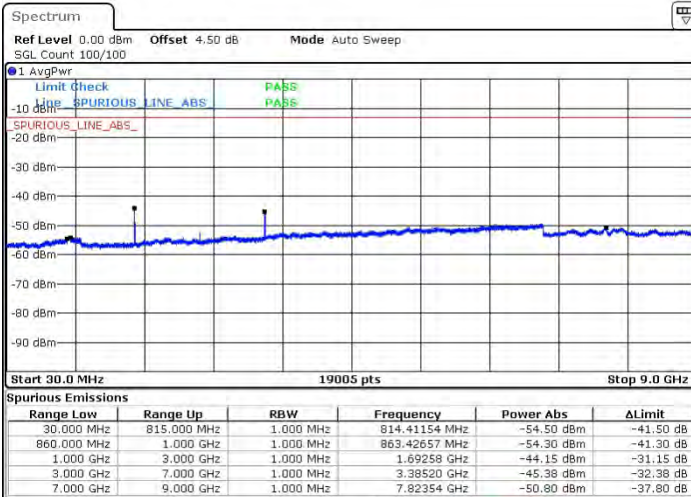
Date: 29 MAR 2015 19:59:45



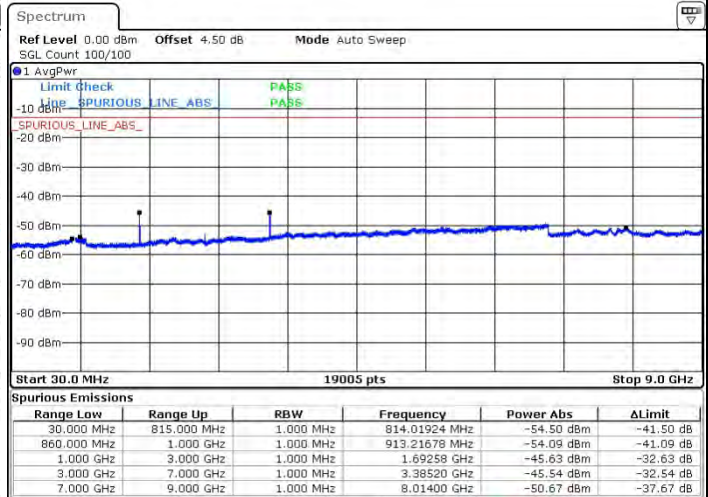
Date: 29 MAR 2015 20:01:03

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 29 MAR 2015 20:03:05



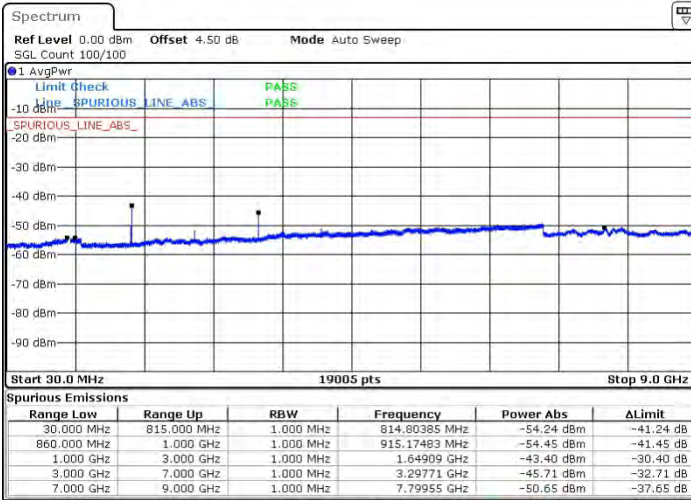
Date: 29 MAR 2015 20:04:26



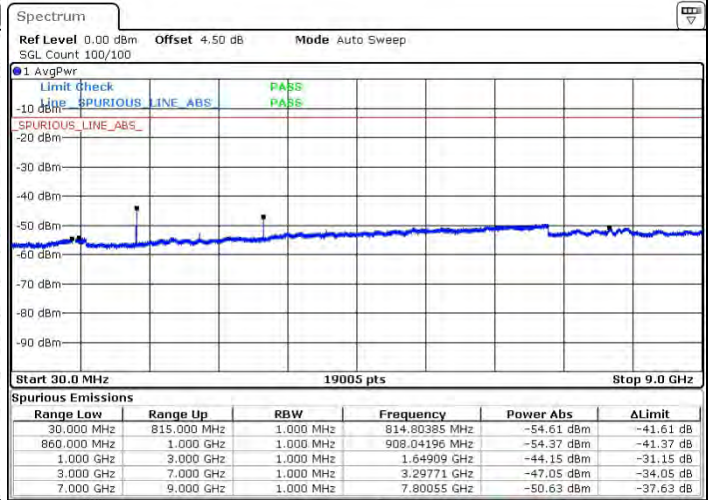
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



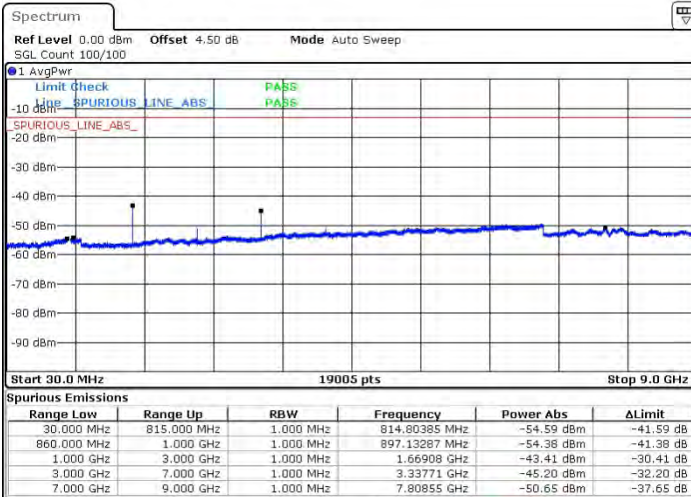
Date: 29 MAR 2015 20:06:28



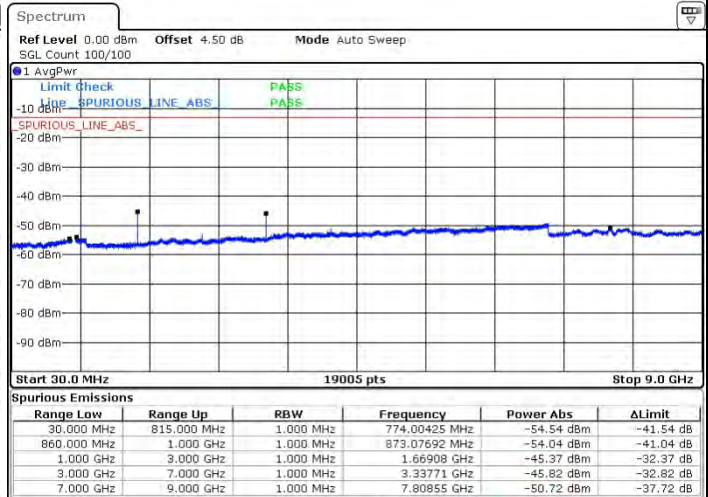
Date: 29 MAR 2015 20:07:46

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 29 MAR 2015 20:09:48



Date: 29 MAR 2015 20:11:06

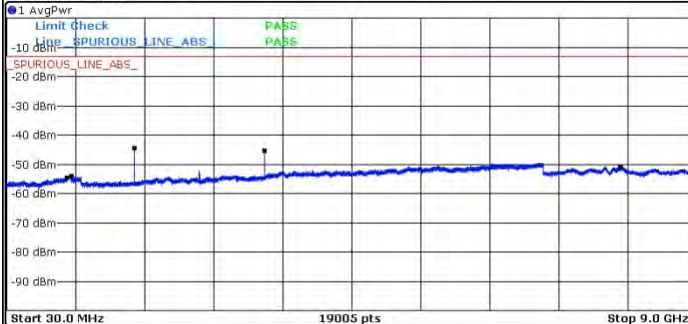


LTE Band 5 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM

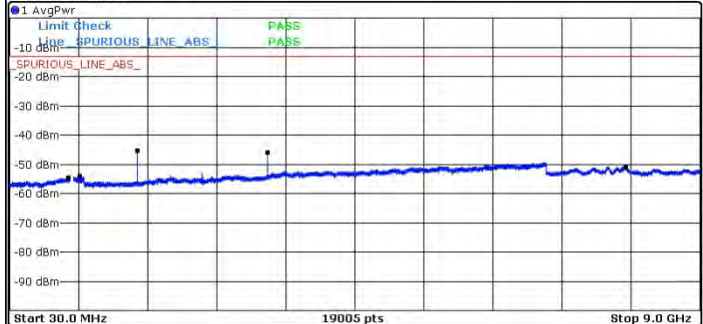
Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	1.000 MHz	809.31159 MHz	-54.55 dBm	-41.55 dB
860.000 MHz	1.000 GHz	1.000 MHz	865.38462 MHz	-54.13 dBm	-41.13 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-44.37 dBm	-31.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	3.37770 GHz	-45.43 dBm	-32.43 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00250 GHz	-50.68 dBm	-37.68 dB

Date: 29 MAR 2015 20:13:08

Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	1.000 MHz	789.69640 MHz	-54.62 dBm	-41.62 dB
860.000 MHz	1.000 GHz	1.000 MHz	938.39161 MHz	-54.17 dBm	-41.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-45.45 dBm	-32.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	3.37770 GHz	-45.97 dBm	-32.97 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.02999 GHz	-50.97 dBm	-37.97 dB

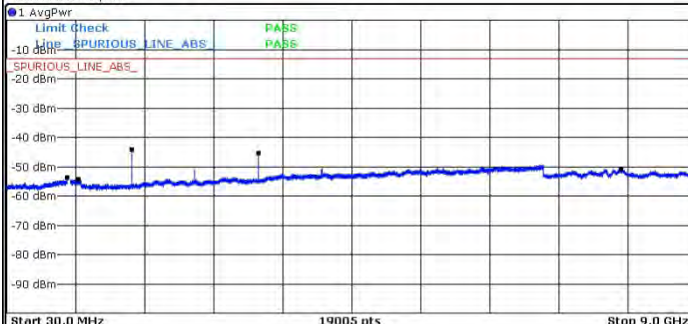
Date: 29 MAR 2015 20:14:26

LTE Band 5 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

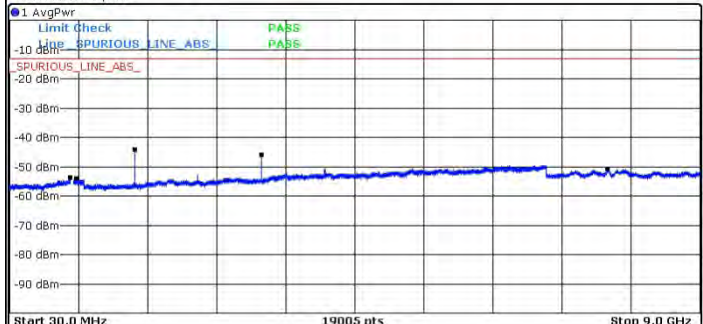
Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	1.000 MHz	614.80385 MHz	-53.70 dBm	-40.70 dB
860.000 MHz	1.000 GHz	1.000 MHz	955.73427 MHz	-54.40 dBm	-41.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-44.29 dBm	-31.29 dB
3.000 GHz	7.000 GHz	1.000 MHz	3.29871 GHz	-45.34 dBm	-32.34 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.01250 GHz	-50.66 dBm	-37.66 dB

Date: 29 MAR 2015 20:16:28

Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	1.000 MHz	814.80385 MHz	-53.81 dBm	-40.81 dB
860.000 MHz	1.000 GHz	1.000 MHz	888.88112 MHz	-54.14 dBm	-41.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-44.28 dBm	-31.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	3.29871 GHz	-46.03 dBm	-33.03 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.79705 GHz	-50.71 dBm	-37.71 dB

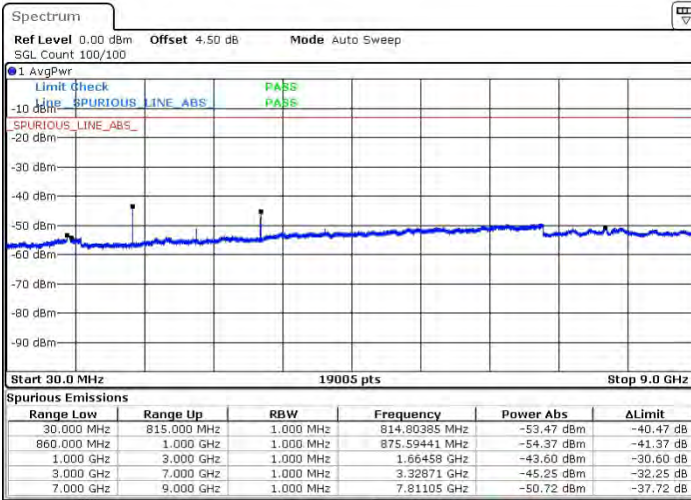
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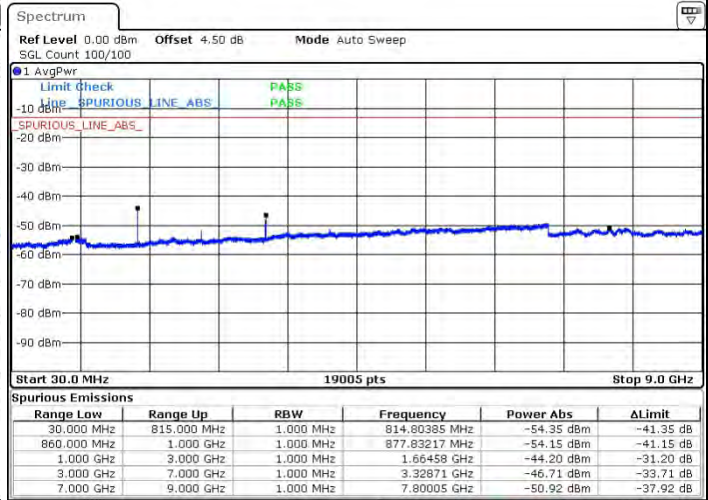
LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



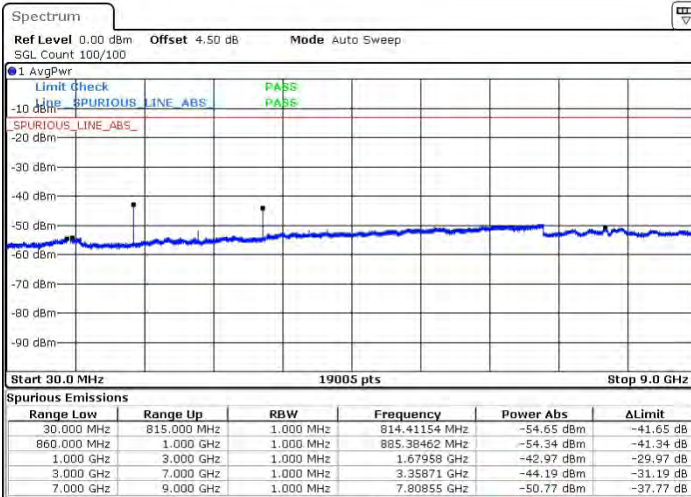
Date: 29 MAR.2015 20:19:48



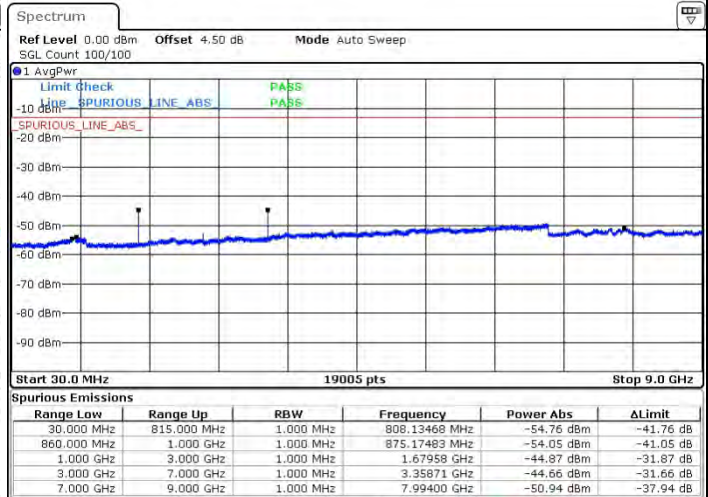
Date: 29 MAR.2015 20:21:06

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 29 MAR.2015 20:23:08



Date: 29 MAR.2015 20:24:29

**Frequency Stability**

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0019	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0106	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0037	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0047	
-20	Normal Voltage	0.0134	
-30	Normal Voltage	0.0111	
20	Maximum Voltage	0.0160	
20	Normal Voltage	0.0039	
20	Battery End Point	0.0066	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



LTE Band 17

Conducted Output Power(Average power)

LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.42	23.34	23.26
5	1	12		23.34	23.15	23.29
5	1	24		23.21	23.56	23.20
5	12	0		22.18	22.23	22.34
5	12	6		22.15	22.19	22.22
5	12	11		22.23	22.25	22.30
5	25	0		22.30	22.23	22.23
5	1	0	16-QAM	22.65	22.22	22.72
5	1	12		22.18	22.30	22.73
5	1	24		22.71	22.53	22.71
5	12	0		21.19	21.13	21.27
5	12	6		21.15	21.15	21.26
5	12	11		21.10	21.15	21.27
5	25	0		21.26	21.16	21.07
10	1	0	QPSK	23.63	23.70	23.63
10	1	24		23.47	23.50	23.18
10	1	49		23.61	23.33	23.54
10	25	0		22.44	22.48	22.43
10	25	12		22.36	22.26	22.31
10	25	24		22.40	22.30	22.42
10	50	0		22.37	22.39	22.34
10	1	0	16-QAM	22.77	22.61	22.80
10	1	24		22.17	22.60	22.38
10	1	49		22.64	22.66	22.61
10	25	0		21.48	21.25	21.33
10	25	12		21.64	21.62	21.41
10	25	24		21.17	21.35	21.53
10	50	0		21.27	21.06	21.14

**Peak-to-Average Ratio**

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	RB Size	Result
Lowest CH	3.19	4.46	3.94	5.48	PASS
Middle CH	3.25	4.38	4.03	5.54	
Highest CH	3.39	4.43	4.12	5.48	



LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



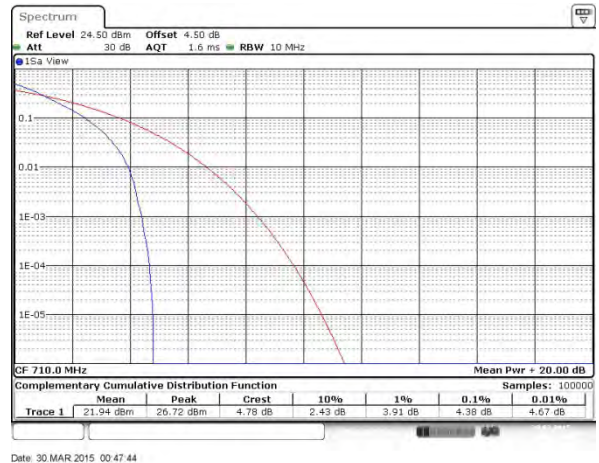
Lowest Channel / Full RB



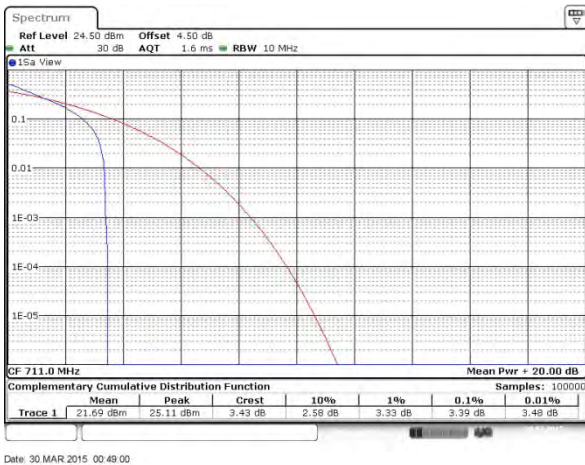
Middle Channel/ 1RB



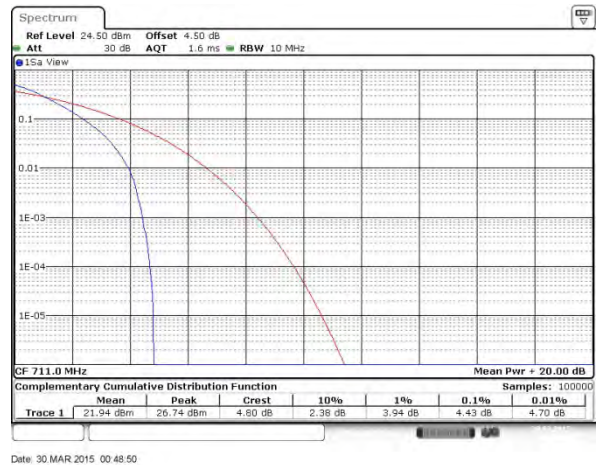
Middle Channel / Full RB



Highest Channel/ 1RB



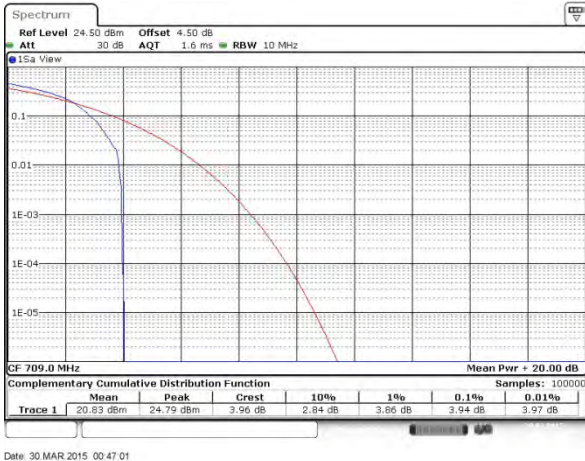
Highest Channel / Full RB



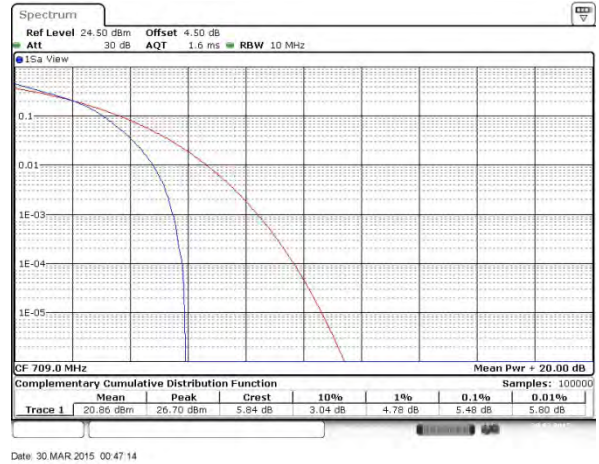


LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



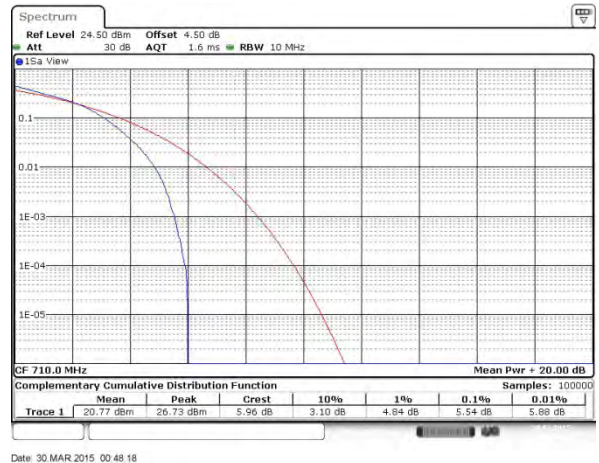
Lowest Channel / Full RB



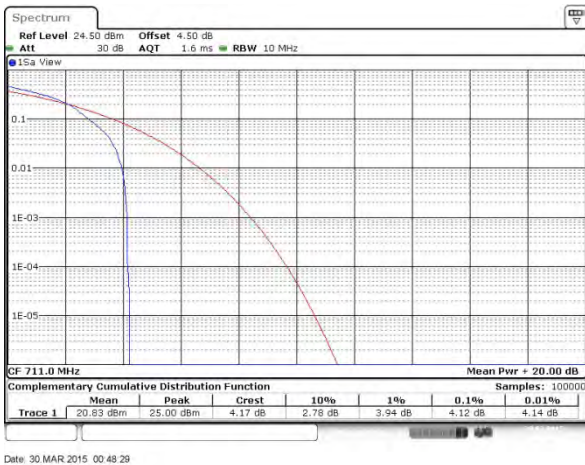
Middle Channel/ 1RB



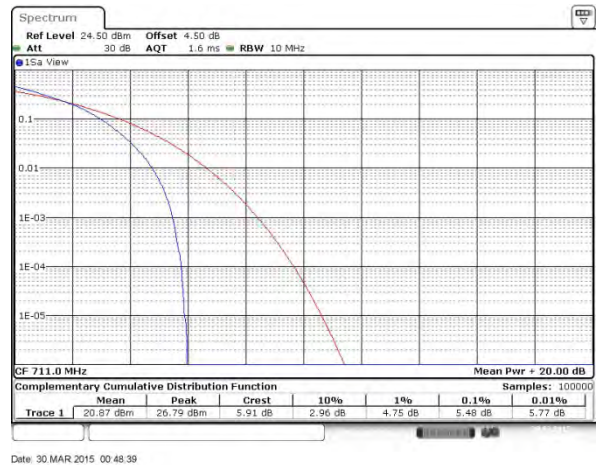
Middle Channel / Full RB



Highest Channel/ 1RB



Highest Channel / Full RB



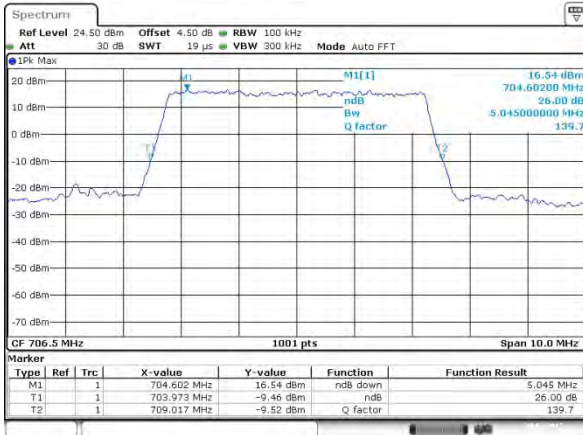
**26dB Bandwidth**

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	-	-	-	-	5.04	5.05	10.17	10.05	-	-	-	-
Middle CH	-	-	-	-	5.07	5.05	10.17	10.03	-	-	-	-
Highest CH	-	-	-	-	5.05	5.04	10.09	10.01	-	-	-	-

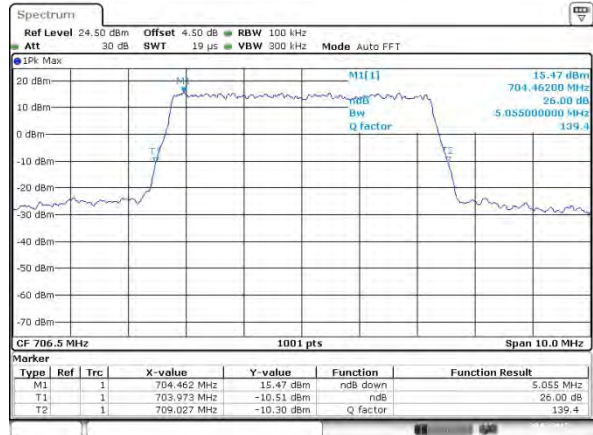


LTE Band 17

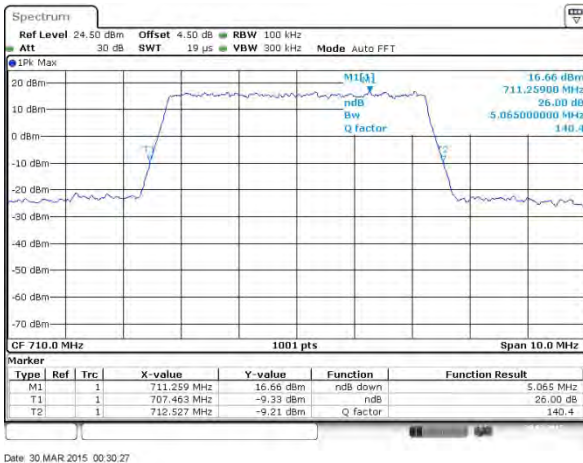
Lowest Channel / 5MHz / QPSK



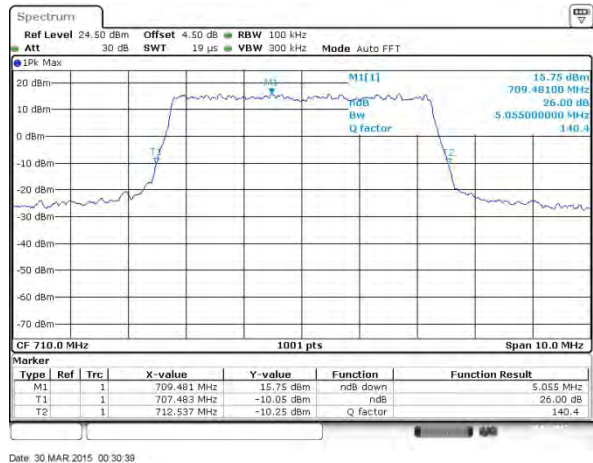
Lowest Channel / 5MHz / 16QAM



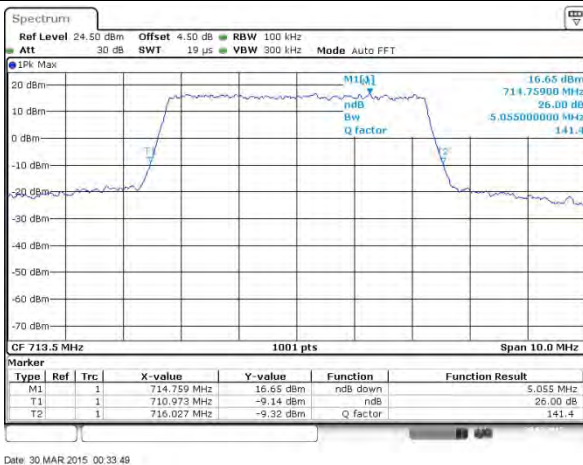
Middle Channel / 5MHz / QPSK



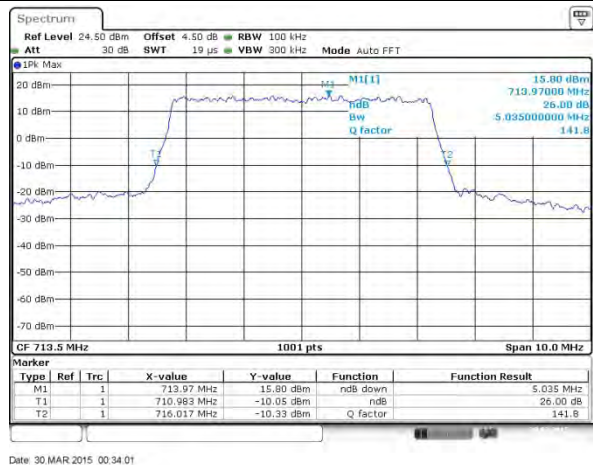
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM



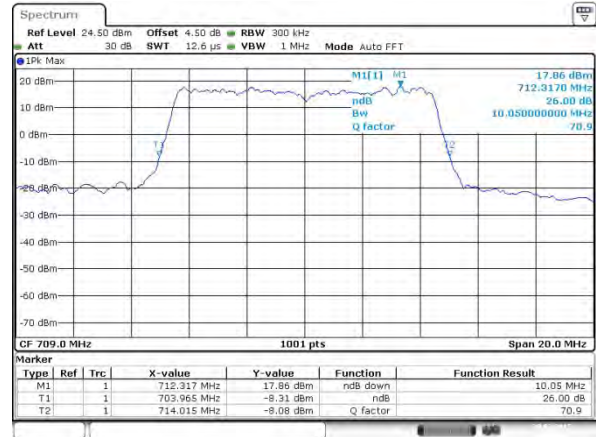


LTE Band 17

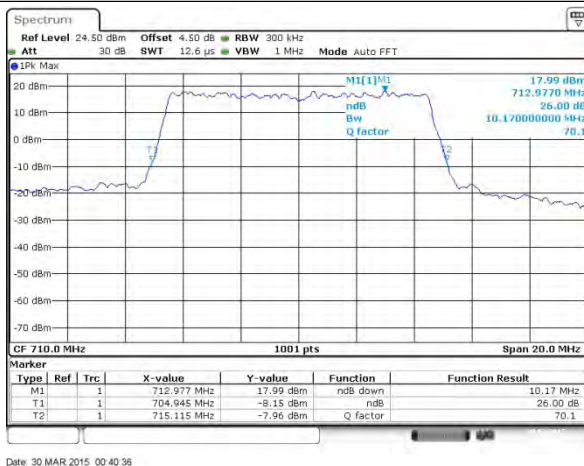
Lowest Channel / 10MHz / QPSK



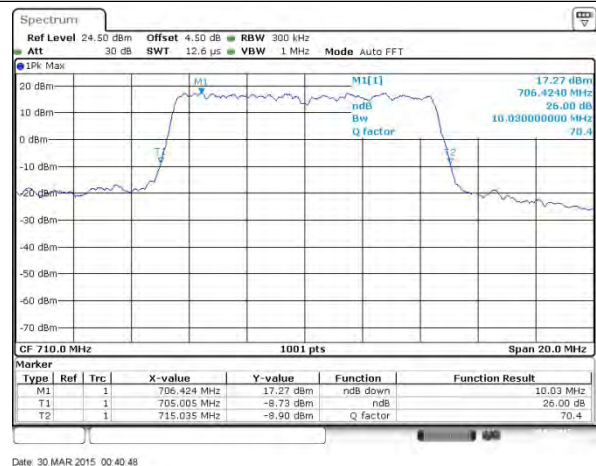
Lowest Channel / 10MHz / 16QAM



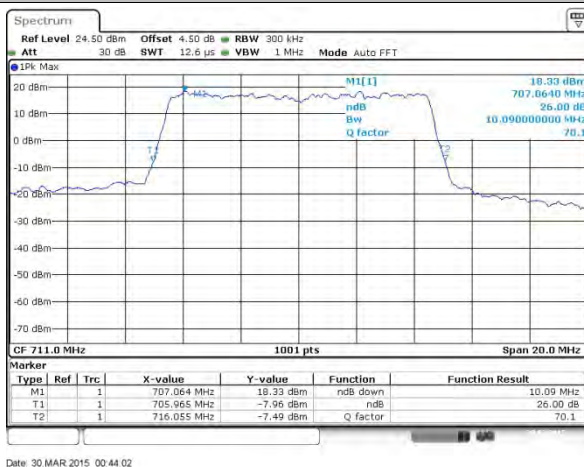
Middle Channel / 10MHz / QPSK



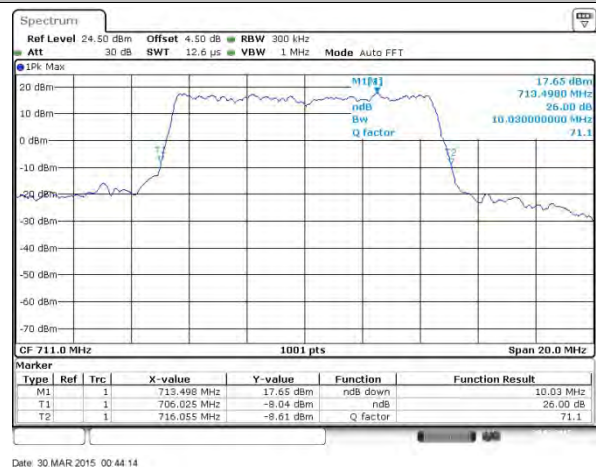
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM



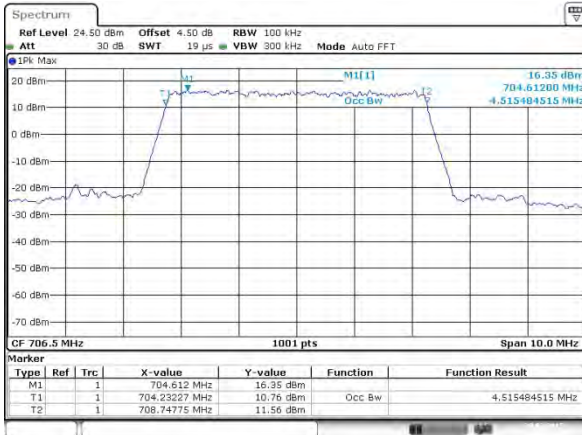
**Occupied Bandwidth**

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	-	-	-	-	4.52	4.5	9.09	9.03	-	-	-	-
Middle CH	-	-	-	-	4.5	4.5	9.03	9.03	-	-	-	-
Highest CH	-	-	-	-	4.49	4.51	9.03	9.05	-	-	-	-

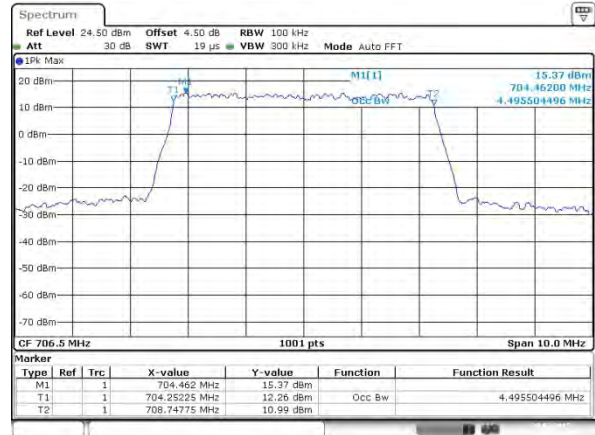


LTE Band 17

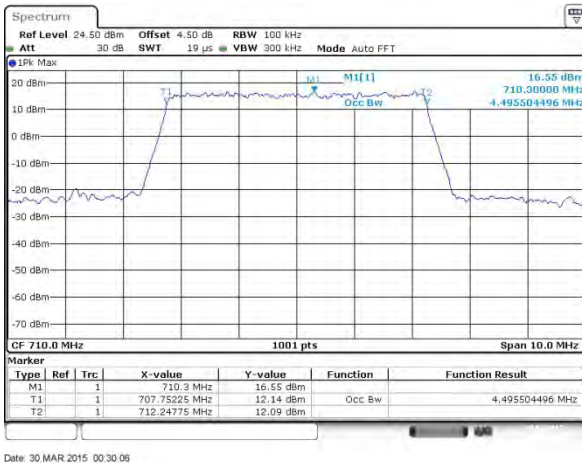
Lowest Channel / 5MHz / QPSK



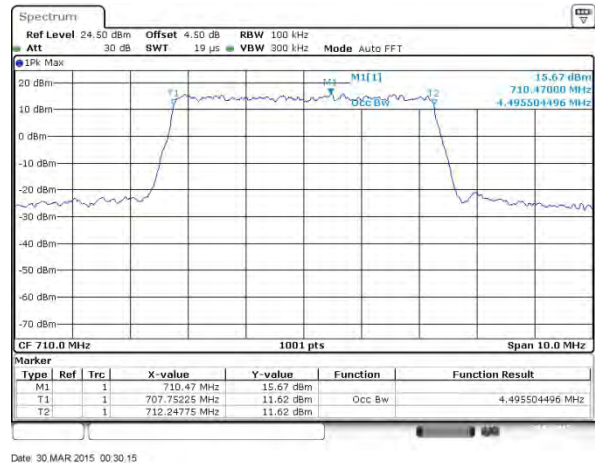
Lowest Channel / 5MHz / 16QAM



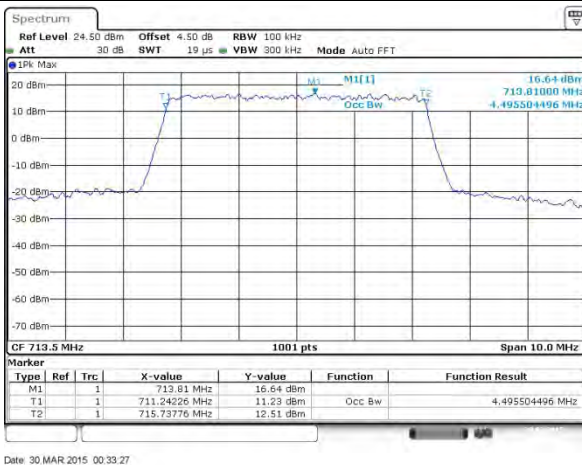
Middle Channel / 5MHz / QPSK



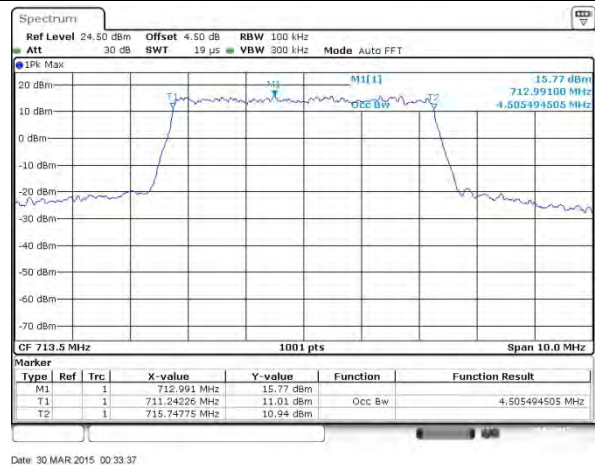
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



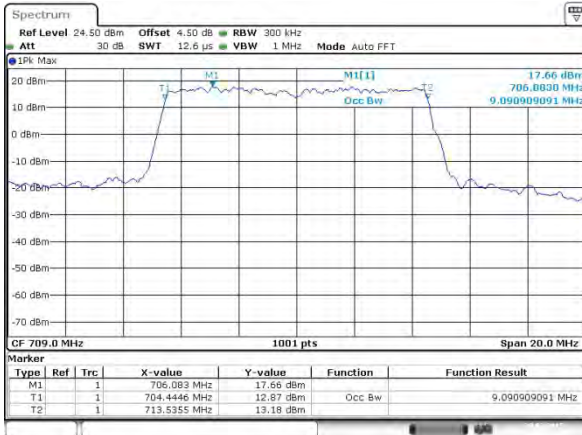
Highest Channel / 5MHz / 16QAM





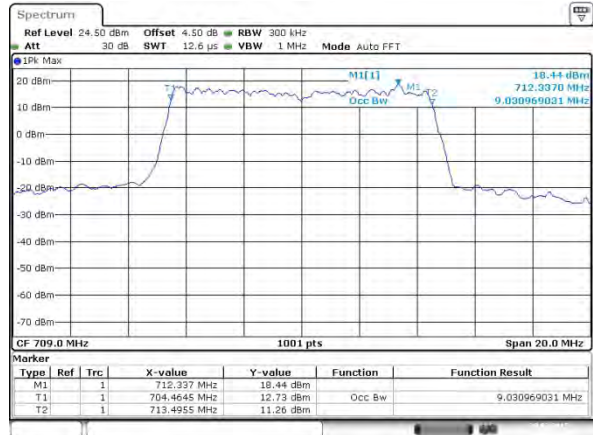
LTE Band 17

Lowest Channel / 10MHz / QPSK



Date: 30 MAR 2015 00:38:51

Lowest Channel / 10MHz / 16QAM



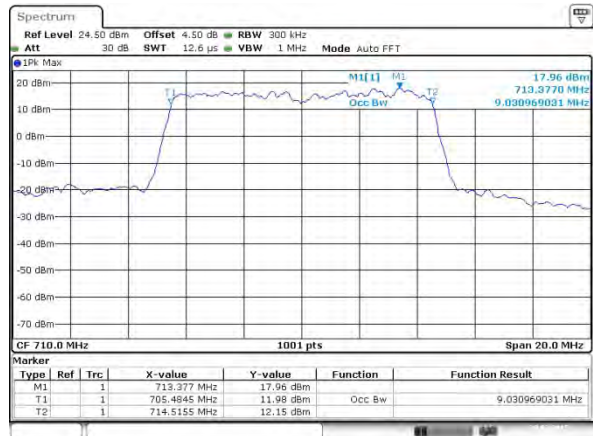
Date: 30 MAR 2015 00:37:01

Middle Channel / 10MHz / QPSK



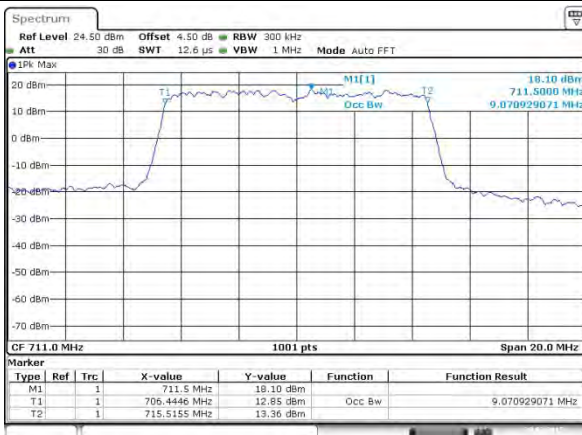
Date: 30 MAR 2015 00:40:14

Middle Channel / 10MHz / 16QAM



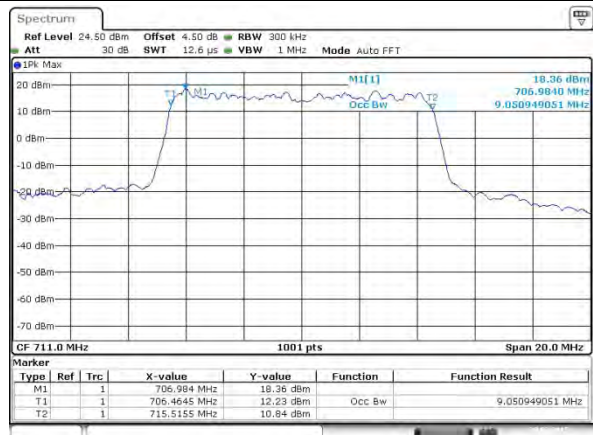
Date: 30 MAR 2015 00:40:24

Highest Channel / 10MHz / QPSK

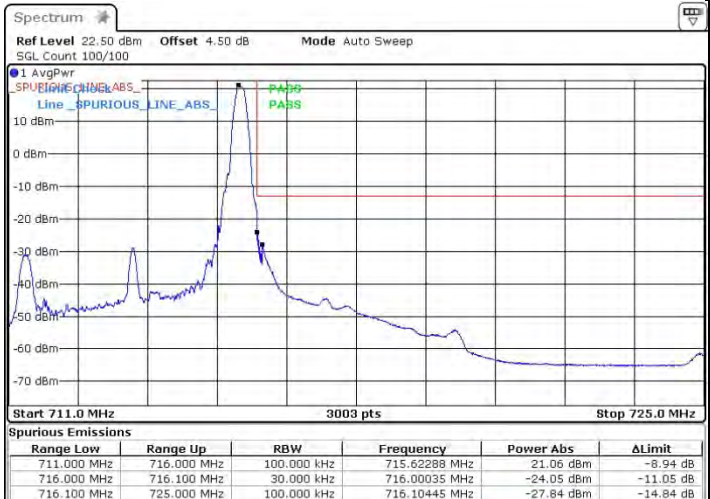


Date: 30 MAR 2015 00:43:40

Highest Channel / 10MHz / 16QAM



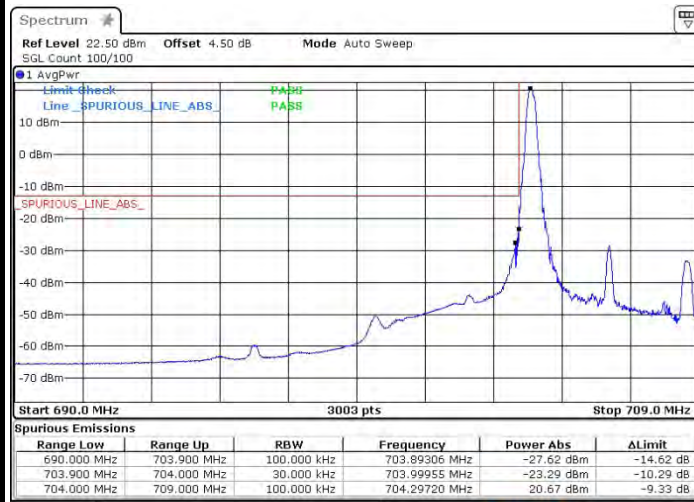
Date: 30 MAR 2015 00:43:50

**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**

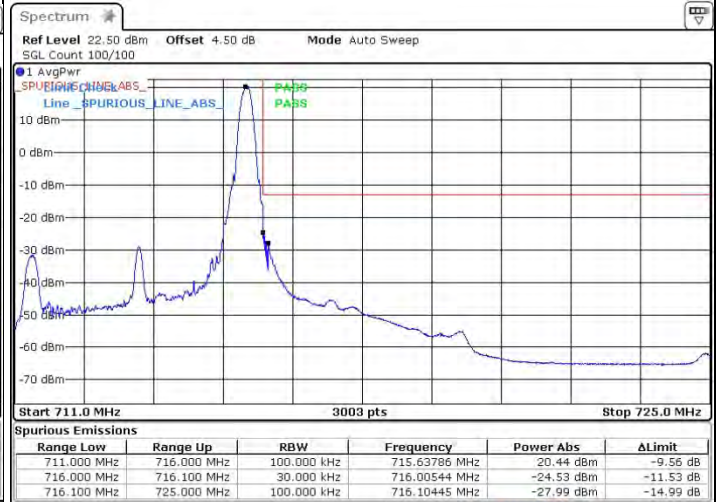


LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



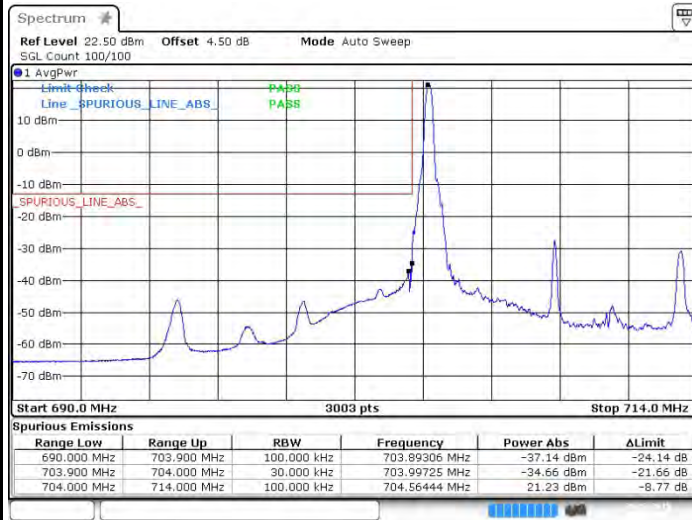
Highest Band Edge / Full RB



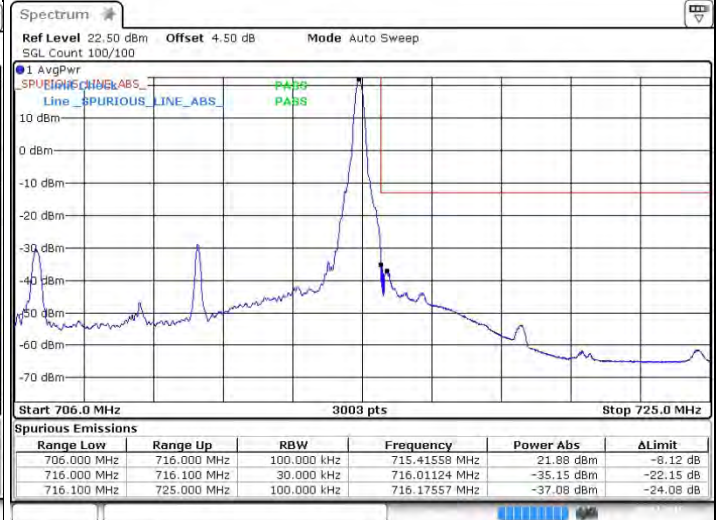


LTE Band 17 / 10MHz / QPSK

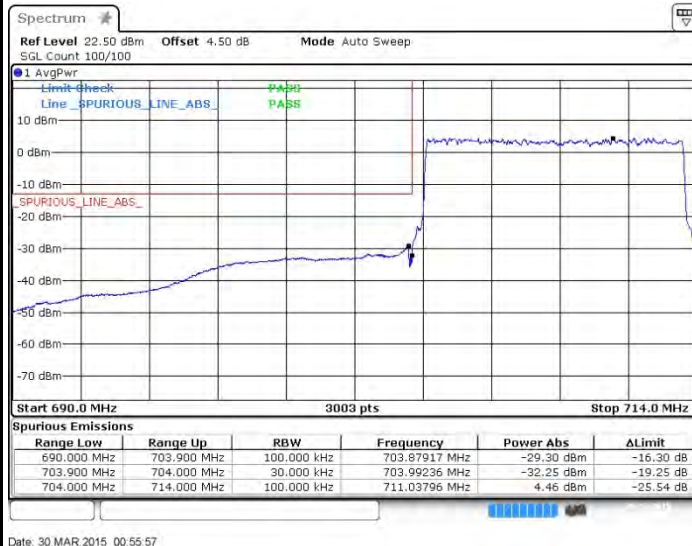
Lowest Band Edge / 1 RB



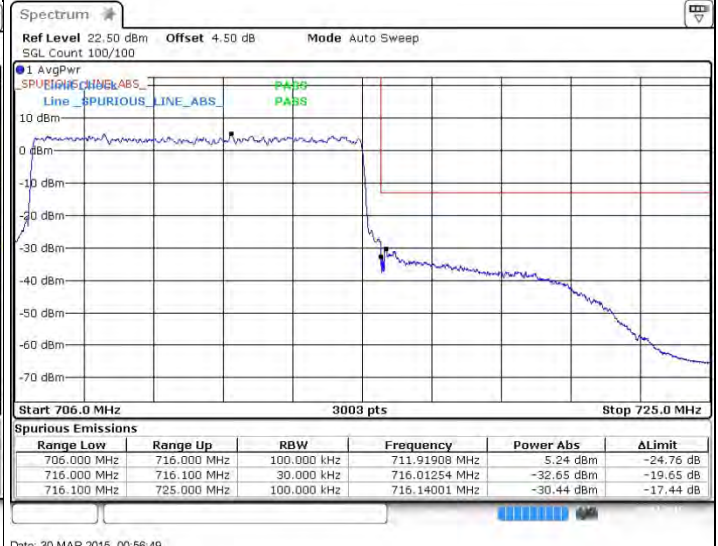
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



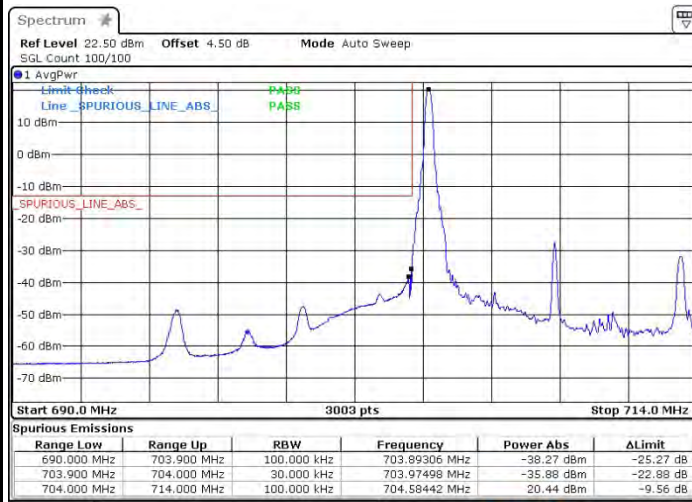
Highest Band Edge / Full RB



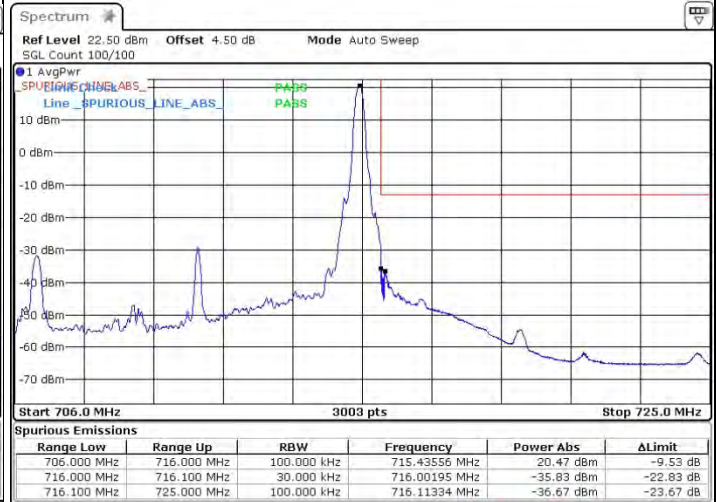


LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



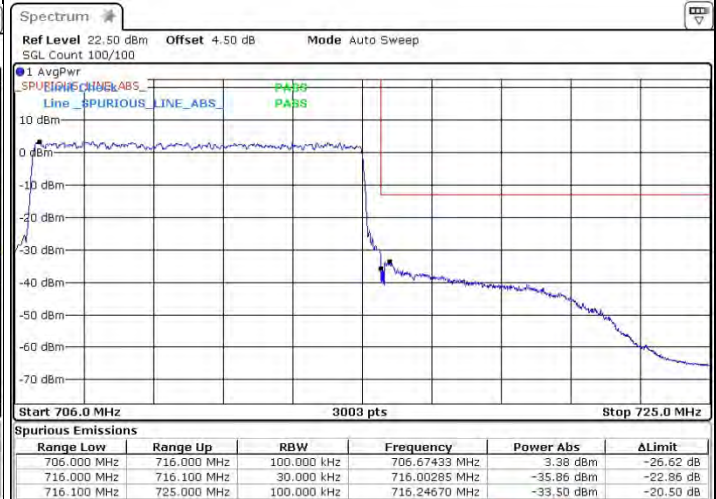
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

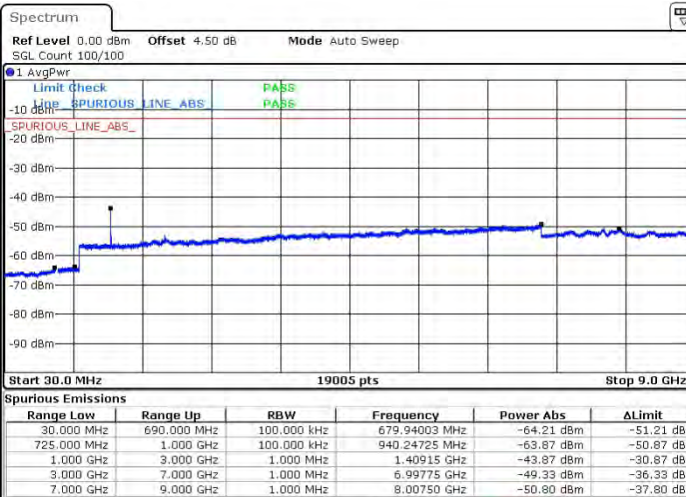




Conducted Spurious Emission

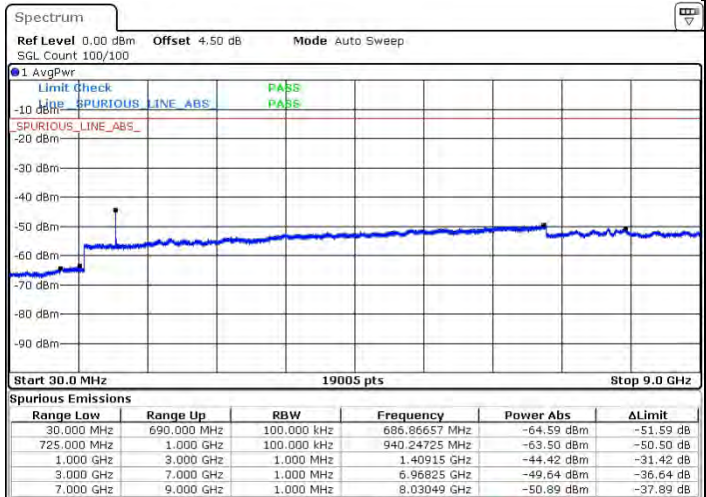
LTE Band 17 / 5MHz

Lowest Channel / QPSK



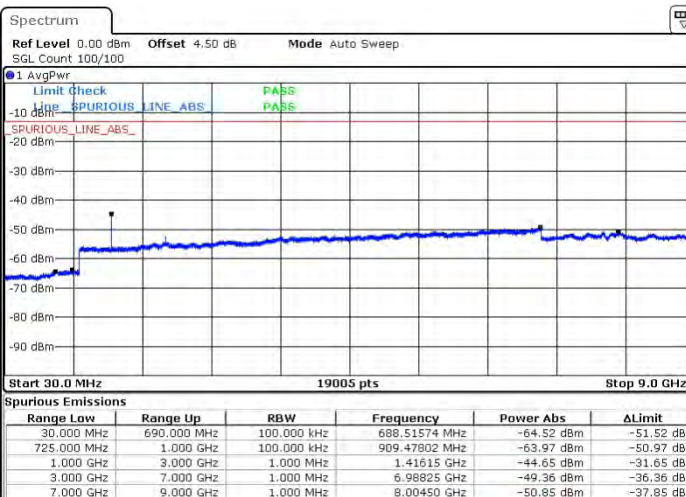
Date: 30 MAR 2015 00:28:26

Lowest Channel / 16QAM



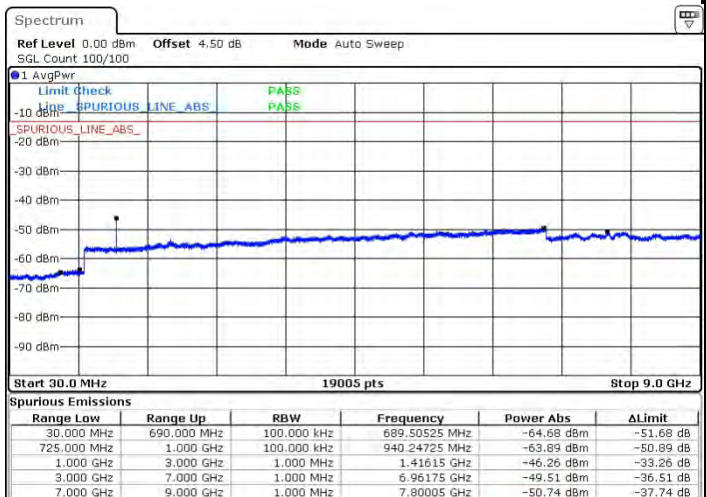
Date: 30 MAR 2015 00:29:45

Middle Channel / QPSK



Date: 30 MAR 2015 00:31:48

Middle Channel / 16QAM



Date: 30 MAR 2015 00:33:07

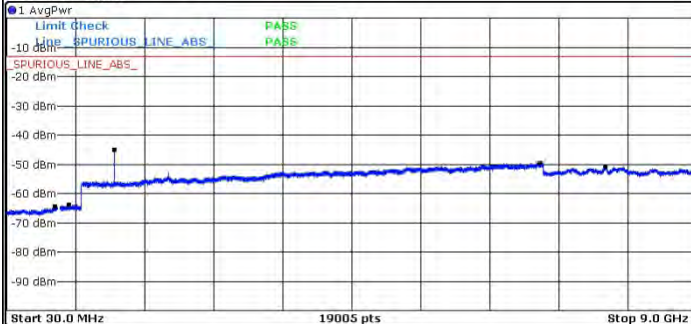


LTE Band 17 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM

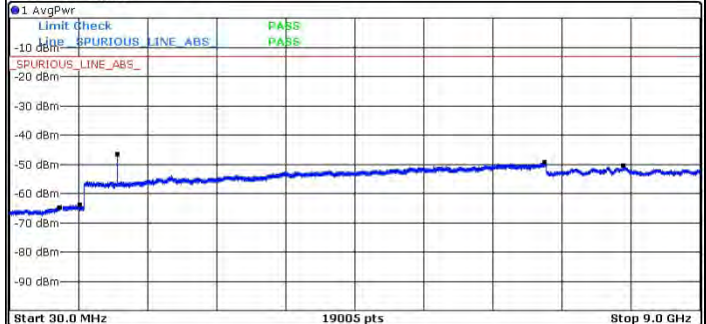
Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	659.16042 MHz	-64.57 dBm	-51.57 dB
725.000 MHz	1.000 GHz	100.000 kHz	835.02747 MHz	-63.83 dBm	-50.83 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-44.95 dBm	-31.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95176 GHz	-49.41 dBm	-36.41 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.80805 GHz	-50.80 dBm	-37.80 dB

Date: 30 MAR 2015 00:35:12

Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	682.57871 MHz	-64.69 dBm	-51.69 dB
725.000 MHz	1.000 GHz	100.000 kHz	939.14835 MHz	-63.98 dBm	-50.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-46.65 dBm	-33.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98275 GHz	-49.39 dBm	-36.39 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99650 GHz	-50.47 dBm	-37.47 dB

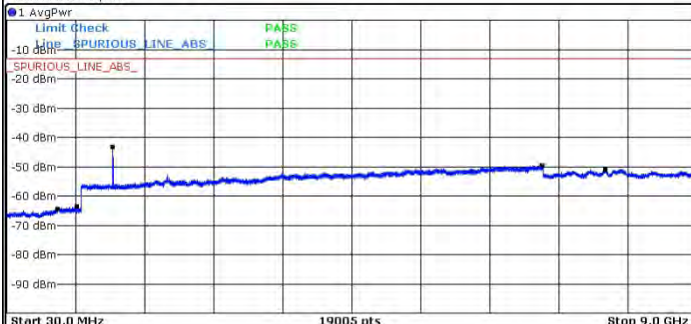
Date: 30 MAR 2015 00:36:31

LTE Band 17 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

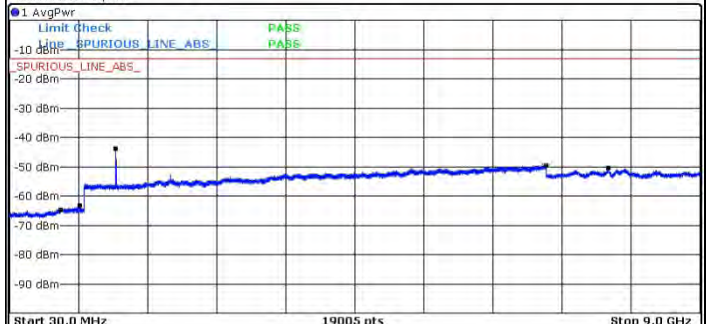
Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-64.49 dBm	-51.49 dB
725.000 MHz	1.000 GHz	100.000 kHz	940.24725 MHz	-63.55 dBm	-50.55 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40965 GHz	-43.38 dBm	-30.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-49.48 dBm	-36.48 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.80905 GHz	-50.93 dBm	-37.93 dB

Date: 30 MAR 2015 00:38:36

Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	683.23838 MHz	-64.65 dBm	-51.65 dB
725.000 MHz	1.000 GHz	100.000 kHz	940.24725 MHz	-63.24 dBm	-50.24 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40965 GHz	-43.75 dBm	-30.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-49.55 dBm	-36.55 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.80355 GHz	-50.52 dBm	-37.52 dB

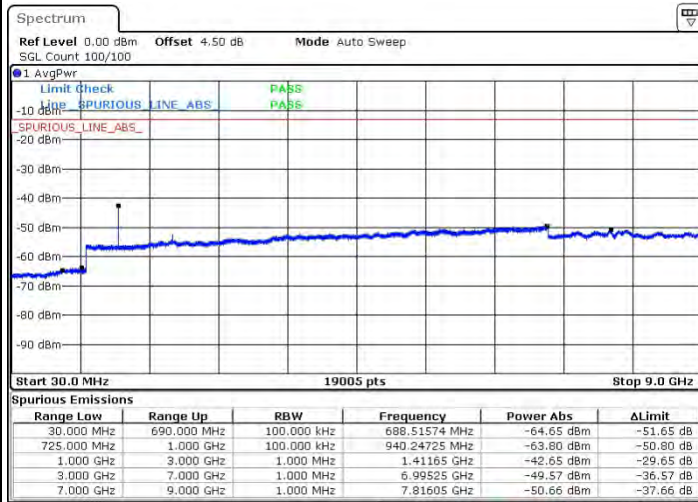
Date: 30 MAR 2015 00:39:54



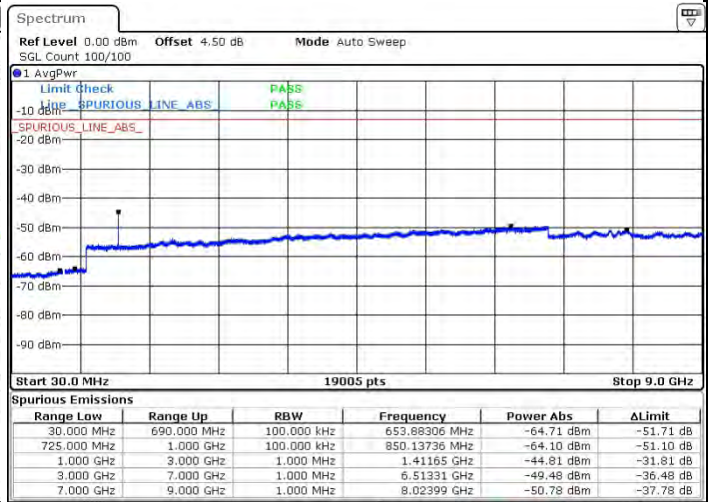
LTE Band 17 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



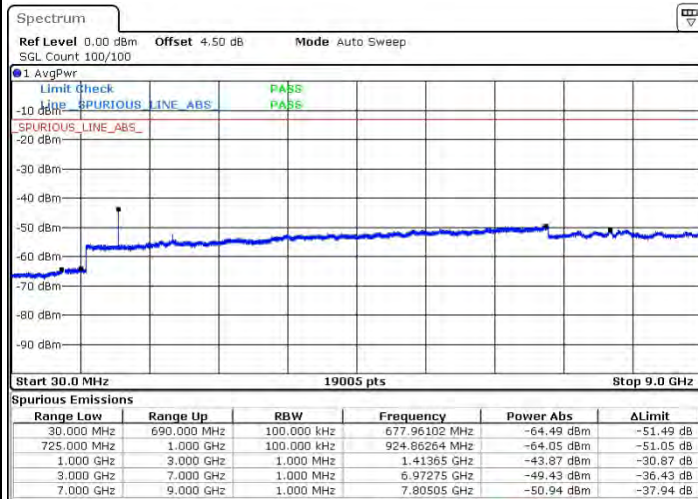
Date: 30 MAR 2015 00:41:59



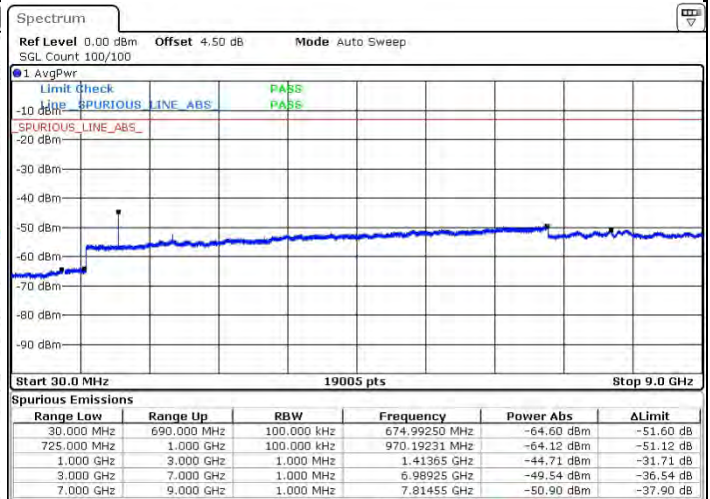
Date: 30 MAR 2015 00:43:20

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30 MAR 2015 00:45:22



Date: 30 MAR 2015 00:46:40

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	0.0070	PASS
40	Normal Voltage	0.0155	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0169	
0	Normal Voltage	0.0099	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0141	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0042	
20	Normal Voltage	0.0070	
20	Battery End Point	0.0141	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	21.83	0.1524	19.73	0.0940
Middle		3	1	22.48	0.1770	19.60	0.0912
Highest		3	1	22.75	0.1884	19.00	0.0794
Lowest	16QAM	1	0	21.23	0.1327	19.61	0.0914
Middle		1	2	22.65	0.1841	19.03	0.0800
Highest		1	2	22.07	0.1611	18.42	0.0695
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	14	22.37	0.1726	20.27	0.1064
Middle		1	14	22.77	0.1892	19.85	0.0966
Highest		1	7	23.49	0.2234	19.28	0.0847
Lowest	16QAM	1	14	22.13	0.1633	19.50	0.0891
Middle		1	0	22.09	0.1618	19.66	0.0925
Highest		1	0	23.00	0.1995	19.17	0.0826
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	12	22.18	0.1652	20.16	0.1038
Middle		1	12	23.04	0.2014	20.10	0.1023
Highest		1	0	23.10	0.2042	19.51	0.0893
Lowest	16QAM	1	0	21.99	0.1581	19.63	0.0918
Middle		1	24	22.61	0.1824	19.46	0.0883
Highest		1	0	22.92	0.1959	18.87	0.0771
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	22.41	0.1742	20.30	0.1072
Middle		1	49	22.85	0.1928	19.98	0.0995
Highest		1	0	23.46	0.2218	20.12	0.1028
Lowest	16QAM	1	49	22.44	0.1754	20.19	0.1045
Middle		1	49	22.73	0.1875	19.19	0.0830
Highest		1	0	22.58	0.1811	19.50	0.0891
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	23.31	0.2143	19.74	0.0942
Middle		1	0	23.39	0.2183	20.06	0.1014
Highest		1	0	23.18	0.2080	18.91	0.0778
Lowest	16QAM	1	74	22.11	0.1626	18.62	0.0728
Middle		1	74	22.13	0.1633	18.74	0.0748
Highest		1	0	22.65	0.1841	18.32	0.0679
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	22.63	0.1832	20.62	0.1153
Middle		1	0	23.22	0.2099	20.60	0.1148
Highest		1	0	23.77	0.2382	20.48	0.1117
Lowest	16QAM	1	0	21.95	0.1567	19.86	0.0968
Middle		1	0	22.90	0.1950	20.11	0.1026
Highest		1	0	22.49	0.1774	19.92	0.0982
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	3	0	22.84	0.1923	22.85	0.1928
Middle		1	2	23.33	0.2153	22.97	0.1982
Highest		3	2	22.56	0.1803	22.03	0.1596
Lowest	16QAM	1	2	22.67	0.1849	22.47	0.1766
Middle		1	5	21.99	0.1581	22.69	0.1858
Highest		1	5	21.82	0.1521	21.87	0.1538
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	14	23.12	0.2051	23.27	0.2123
Middle		1	14	23.36	0.2168	22.83	0.1919
Highest		1	14	22.80	0.1905	22.62	0.1828
Lowest	16QAM	1	0	22.45	0.1758	22.02	0.1592
Middle		1	0	22.06	0.1607	22.76	0.1888
Highest		1	7	22.33	0.1710	21.46	0.1400
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	12	23.06	0.2023	23.39	0.2183
Middle		1	24	22.93	0.1963	22.89	0.1945
Highest		1	0	23.16	0.2070	22.18	0.1652
Lowest	16QAM	1	12	22.80	0.1905	22.49	0.1774
Middle		1	0	22.42	0.1746	22.45	0.1758
Highest		1	0	21.46	0.1400	21.67	0.1469
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	24	23.60	0.2291	23.14	0.2061
Middle		1	49	23.30	0.2138	22.80	0.1905
Highest		1	0	23.03	0.2009	22.85	0.1928
Lowest	16QAM	1	0	22.91	0.1954	22.56	0.1803
Middle		1	0	22.74	0.1879	22.22	0.1667
Highest		1	0	22.82	0.1914	22.08	0.1614
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	23.23	0.2104	23.31	0.2143
Middle		1	0	23.57	0.2275	23.09	0.2037
Highest		1	0	22.98	0.1986	22.50	0.1778
Lowest	16QAM	1	0	22.63	0.1832	22.51	0.1782
Middle		1	0	23.09	0.2037	22.31	0.1702
Highest		1	0	22.26	0.1683	21.68	0.1472
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	23.49	0.2234	23.37	0.2173
Middle		1	0	23.47	0.2223	22.95	0.1972
Highest		1	0	23.21	0.2094	22.75	0.1884
Lowest	16QAM	1	0	22.82	0.1914	22.63	0.1832
Middle		1	49	22.76	0.1888	22.45	0.1758
Highest		1	49	21.82	0.1521	21.56	0.1432
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	2	20.39	0.1094	6.66	0.0046
Middle		3	1	19.25	0.0841	8.13	0.0065
Highest		3	1	18.82	0.0762	7.85	0.0061
Lowest	16QAM	1	0	19.52	0.0895	5.51	0.0036
Middle		1	0	18.92	0.0780	6.11	0.0041
Highest		1	5	18.51	0.0710	7.52	0.0056
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	14	20.08	0.1019	7.01	0.0050
Middle		1	0	19.95	0.0989	6.63	0.0046
Highest		1	14	19.41	0.0873	6.87	0.0049
Lowest	16QAM	1	0	19.86	0.0968	6.05	0.0040
Middle		1	0	19.43	0.0877	6.53	0.0045
Highest		1	0	19.36	0.0863	6.11	0.0041
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	24	19.76	0.0946	6.30	0.0043
Middle		1	12	19.63	0.0918	6.27	0.0042
Highest		1	12	19.49	0.0889	6.42	0.0044
Lowest	16QAM	1	0	19.71	0.0935	6.12	0.0041
Middle		1	24	19.37	0.0865	6.05	0.0040
Highest		1	0	19.00	0.0794	5.55	0.0036
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	24	19.90	0.0977	6.40	0.0044
Middle		1	24	19.83	0.0962	6.30	0.0043
Highest		1	24	19.78	0.0951	6.58	0.0045
Lowest	16QAM	1	24	19.75	0.0944	5.83	0.0038
Middle		1	0	19.71	0.0935	5.90	0.0039
Highest		1	49	19.49	0.0889	6.63	0.0046
Limit	ERP < 7W			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	17.88	0.0614	3.34	0.0022
Middle		1	24	18.43	0.0697	4.20	0.0026
Highest		1	12	19.06	0.0805	5.04	0.0032
Lowest	16QAM	1	24	17.71	0.0590	3.58	0.0023
Middle		1	24	18.28	0.0673	3.73	0.0024
Highest		1	12	18.36	0.0685	4.39	0.0027
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	18.14	0.0652	3.68	0.0023
Middle		1	0	18.18	0.0658	3.65	0.0023
Highest		1	0	18.23	0.0665	3.71	0.0023
Lowest	16QAM	1	0	17.97	0.0627	3.33	0.0022
Middle		1	49	18.04	0.0637	3.81	0.0024
Highest		1	0	18.25	0.0668	2.46	0.0018
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)
Middle	3758	-37.55	-13	-24.55	-55.21	-44.17	1.69	8.31	H
	5639	-54.94	-13	-41.94	-76.13	-61.99	2.71	9.76	H
	7517	-51.34	-13	-38.34	-79.76	-60.73	2.42	11.81	H
	3758	-44.40	-13	-31.40	-61.79	-51.02	1.69	8.31	V
	5639	-47.23	-13	-34.23	-69.47	-54.28	2.71	9.76	V
	7517	-51.42	-13	-38.42	-79.54	-60.81	2.42	11.81	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)
Middle	3756	-37.79	-13	-24.79	-55.42	-44.41	1.68	8.31	H
	5635	-52.09	-13	-39.09	-74.47	-59.14	2.70	9.75	H
	7515	-50.33	-13	-37.33	-78.88	-59.71	2.42	11.81	H
	3756	-42.50	-13	-29.50	-60.18	-49.12	1.68	8.31	V
	5635	-46.66	-13	-33.66	-68.22	-53.71	2.70	9.75	V
	7515	-50.44	-13	-37.44	-78.71	-59.82	2.42	11.81	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)
Middle	3754	-37.39	-13	-24.39	-54.66	-44.01	1.68	8.30	H
	5632	-52.74	-13	-39.74	-74.59	-59.79	2.70	9.75	H
	7509	-50.98	-13	-37.98	-78.08	-60.36	2.43	11.81	H
	3754	-41.52	-13	-28.52	-59.04	-48.14	1.68	8.30	V
	5632	-47.77	-13	-34.77	-69.16	-54.82	2.70	9.75	V
	7509	-50.90	-13	-37.90	-78.5	-60.28	2.43	11.81	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)
Middle	3749	-36.52	-13	-23.52	-54.01	-43.14	1.68	8.30	H
	5625	-52.82	-13	-39.82	-74.55	-59.87	2.70	9.75	H
	7501	-50.94	-13	-37.94	-78.26	-60.31	2.43	11.80	H
	3749	-42.40	-13	-29.40	-59.64	-49.02	1.68	8.30	V
	5625	-46.69	-13	-33.69	-68.55	-53.74	2.70	9.75	V
	7501	-50.47	-13	-37.47	-78.07	-59.84	2.43	11.80	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)
Middle	3745	-37.01	-13	-24.01	-55.17	-43.62	1.68	8.29	H
	5618	-52.22	-13	-39.22	-74.47	-59.27	2.69	9.75	H
	7490	-51.57	-13	-38.57	-74.54	-60.92	2.43	11.78	H
	3745	-43.84	-13	-30.84	-60.65	-50.45	1.68	8.29	V
	5618	-46.78	-13	-33.78	-68.74	-53.83	2.69	9.75	V
	7490	-51.42	-13	-38.42	-79.33	-60.77	2.43	11.78	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)
Middle	3742	-36.23	-13	-23.23	-53.94	-42.84	1.68	8.29	H
	5611	-51.27	-13	-38.27	-73.63	-58.33	2.69	9.74	H
	7480	-50.16	-13	-37.16	-79.29	-59.48	2.44	11.76	H
	3742	-43.77	-13	-30.77	-60.62	-50.38	1.68	8.29	V
	5611	-48.88	-13	-35.88	-69.97	-55.94	2.69	9.74	V
	7480	-51.40	-13	-38.40	-79.19	-60.72	2.44	11.76	V

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



LTE Band 4 / 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)
Middle	3463	-46.54	-13	-33.54	-63.35	-52.78	1.59	7.84	H
	5195	-55.80	-13	-42.80	-75.94	-63.05	2.45	9.70	H
	6927	-53.72	-13	-40.72	-78.42	-61.82	2.61	10.71	H
	3463	-50.57	-13	-37.57	-66.37	-56.81	1.59	7.84	V
	5195	-56.69	-13	-43.69	-77.11	-63.94	2.45	9.70	V
	6927	-52.47	-13	-39.47	-78.45	-60.57	2.61	10.71	V

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

LTE Band 4 / 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)
Middle	3462	-46.73	-13	-33.73	-62.69	-52.97	1.59	7.83	H
	5193	-56.69	-13	-43.69	-77.23	-63.94	2.45	9.70	H
	6924	-53.18	-13	-40.18	-78.65	-61.27	2.62	10.71	H
	3462	-49.57	-13	-36.57	-65.79	-55.81	1.59	7.83	V
	5193	-56.39	-13	-43.39	-77.36	-63.64	2.45	9.70	V
	6924	-52.64	-13	-39.64	-78.51	-60.73	2.62	10.71	V

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



LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3460	-47.11	-13	-34.11	-63.81	-53.34	1.59	7.82	H
	5190	-56.63	-13	-43.63	-77.35	-63.88	2.45	9.70	H
	6920	-53.39	-13	-40.39	-78.41	-61.48	2.62	10.70	H
	3460	-49.96	-13	-36.96	-65.41	-56.19	1.59	7.82	V
	5190	-56.82	-13	-43.82	-77.19	-64.07	2.45	9.70	V
	6920	-52.50	-13	-39.50	-78.71	-60.59	2.62	10.70	V

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

LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3455	-47.52	-13	-34.52	-63.85	-53.73	1.59	7.80	H
	5182	-56.59	-13	-43.59	-77.01	-63.85	2.44	9.70	H
	6910	-53.30	-13	-40.30	-78.77	-61.37	2.62	10.69	H
	3455	-49.73	-13	-36.73	-65.72	-55.94	1.59	7.80	V
	5182	-56.41	-13	-43.41	-77.22	-63.67	2.44	9.70	V
	6910	-52.44	-13	-39.44	-78.65	-60.51	2.62	10.69	V

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



LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3449	-48.11	-13	-35.11	-64.7	-54.3	1.59	7.78	H
	5174	-56.56	-13	-43.56	-76.91	-63.82	2.44	9.70	H
	6899	-53.65	-13	-40.65	-78.89	-61.71	2.62	10.68	H
	3449	-52.02	-13	-39.02	-68.05	-58.21	1.59	7.78	V
	5174	-56.71	-13	-43.71	-77.46	-63.97	2.44	9.70	V
	6899	-52.39	-13	-39.39	-78.61	-60.45	2.62	10.68	V

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

LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3445	-48.73	-13	-35.73	-64.73	-54.9	1.59	7.76	H
	5167	-56.98	-13	-43.98	-77.13	-64.25	2.43	9.70	H
	6890	-53.44	-13	-40.44	-78.89	-61.48	2.63	10.67	H
	3445	-51.64	-13	-38.64	-67.95	-57.81	1.59	7.76	V
	5167	-56.00	-13	-43.00	-77.44	-63.27	2.43	9.70	V
	6890	-52.33	-13	-39.33	-78.09	-60.37	2.63	10.67	V

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



LTE Band 5 / 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)
Middle	1672	-65.13	-13	-52.13	-76.28	-66.81	0.99	4.82	H
	2509	-60.55	-13	-47.55	-77.1	-62.51	1.29	5.41	H
	3346	-56.69	-13	-43.69	-74.15	-60.31	1.56	7.32	H
	1672	-64.33	-13	-51.33	-76.15	-66.01	0.99	4.82	V
	2509	-58.95	-13	-45.95	-76.73	-60.91	1.29	5.41	V
	3346	-55.89	-13	-42.89	-74.89	-59.51	1.56	7.32	V

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

LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1671	-65.38	-13	-52.38	-76.44	-67.06	0.99	4.82	H
	2506	-60.65	-13	-47.65	-77.2	-62.61	1.29	5.40	H
	3343	-55.71	-13	-42.71	-73.29	-59.31	1.56	7.31	H
	1671	-64.54	-13	-51.54	-76.39	-66.22	0.99	4.82	V
	2506	-58.95	-13	-45.95	-76.9	-60.91	1.29	5.40	V
	3343	-55.51	-13	-42.51	-74.28	-59.11	1.56	7.31	V

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



LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1669	-65.02	-13	-52.02	-76.21	-66.71	0.99	4.83	H
	2503	-60.55	-13	-47.55	-77.17	-62.51	1.29	5.40	H
	3337	-54.61	-13	-41.61	-72.15	-58.19	1.55	7.28	H
	1669	-64.22	-13	-51.22	-76.16	-65.91	0.99	4.83	V
	2503	-59.05	-13	-46.05	-76.88	-61.01	1.29	5.40	V
	3337	-54.37	-13	-41.37	-73.12	-57.95	1.55	7.28	V

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

LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-64.41	-13	-51.41	-75.42	-66.12	0.98	4.84	H
	2496	-59.26	-13	-46.26	-75.86	-61.21	1.29	5.39	H
	3328	-47.67	-13	-34.67	-65.18	-51.21	1.55	7.24	H
	1664	-62.84	-13	-49.84	-74.64	-64.55	0.98	4.84	V
	2496	-57.86	-13	-44.86	-75.77	-59.81	1.29	5.39	V
	3328	-47.77	-13	-34.77	-66.65	-51.31	1.55	7.24	V

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



LTE Band 17 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1416	-59.57	-13	-46.57	-69.78	-61.32	0.87	4.78	H
	2122	-58.77	-13	-45.77	-72.34	-59.71	1.17	4.27	H
	2830	-56.99	-13	-43.99	-71.78	-59.11	1.39	5.66	H
	1416	-62.07	-13	-49.07	-70.56	-63.82	0.87	4.78	V
	2122	-58.80	-13	-45.80	-72.16	-59.74	1.17	4.27	V
	2830	-57.55	-13	-44.55	-72.05	-59.67	1.39	5.66	V

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

LTE Band 17 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1410	-58.59	-13	-45.59	-67.94	-60.31	0.87	4.74	H
	2116	-58.18	-13	-45.18	-71.80	-59.11	1.17	4.25	H
	2820	-56.75	-13	-43.75	-71.39	-58.86	1.39	5.66	H
	1410	-61.55	-13	-48.55	-69.70	-63.27	0.87	4.74	V
	2116	-57.48	-13	-44.48	-71.67	-58.41	1.17	4.25	V
	2820	-57.83	-13	-44.83	-71.65	-59.94	1.39	5.66	V

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