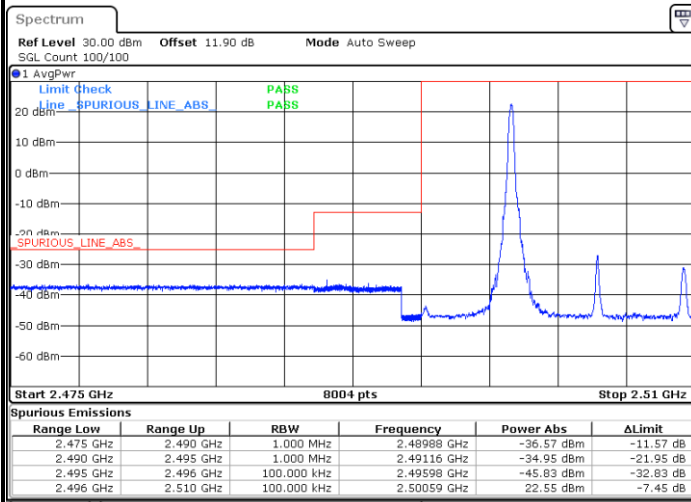


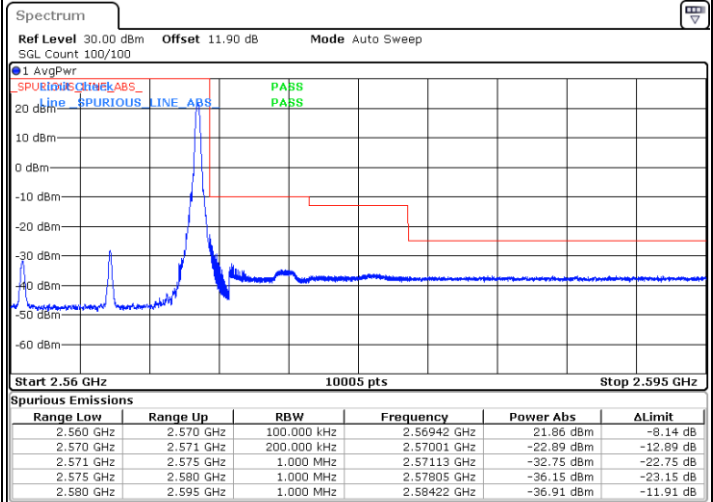


LTE Band 7 / 10MHz / QPSK

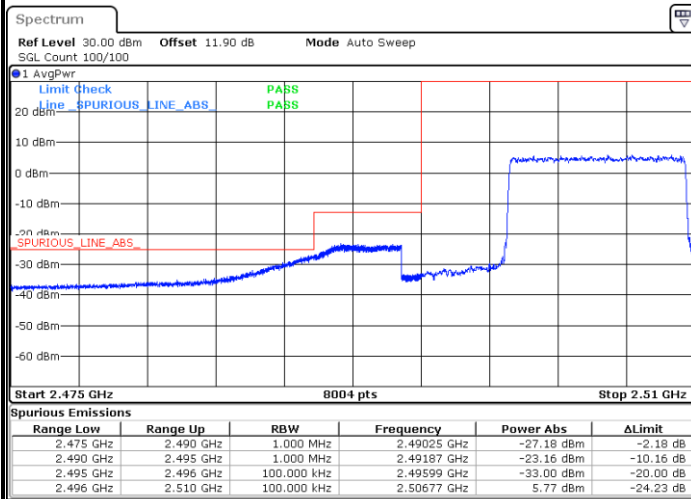
Lowest Band Edge / 1 RB



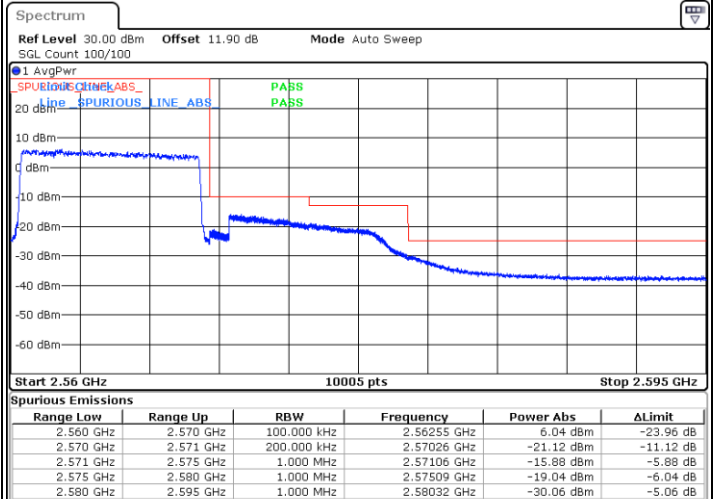
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



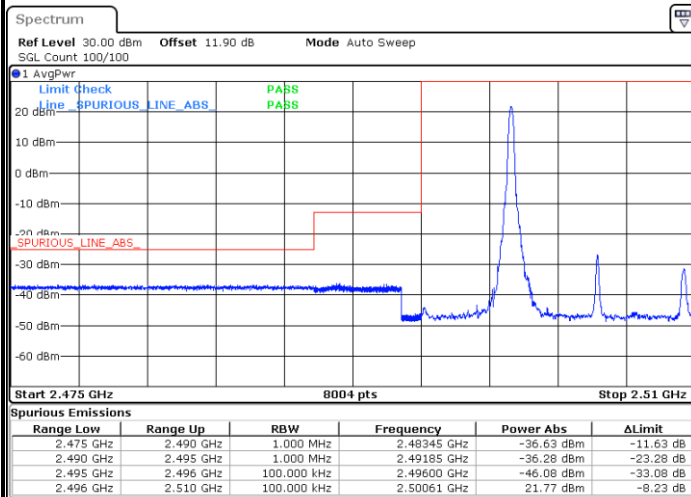
Highest Band Edge / Full RB



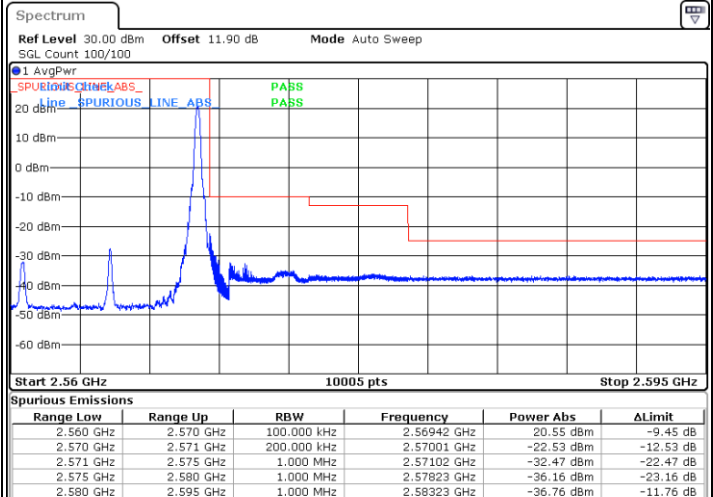


LTE Band 7 / 10MHz / 16QAM

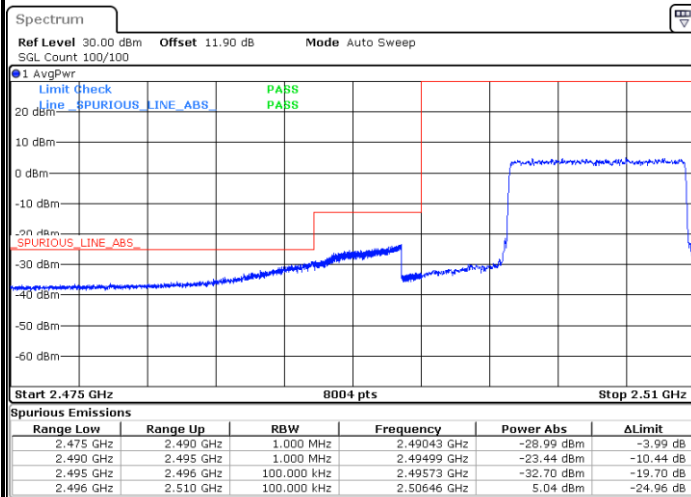
Lowest Band Edge / 1 RB



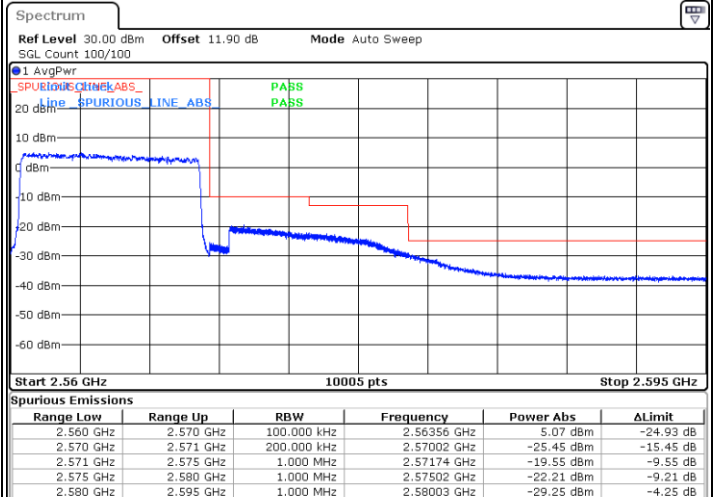
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



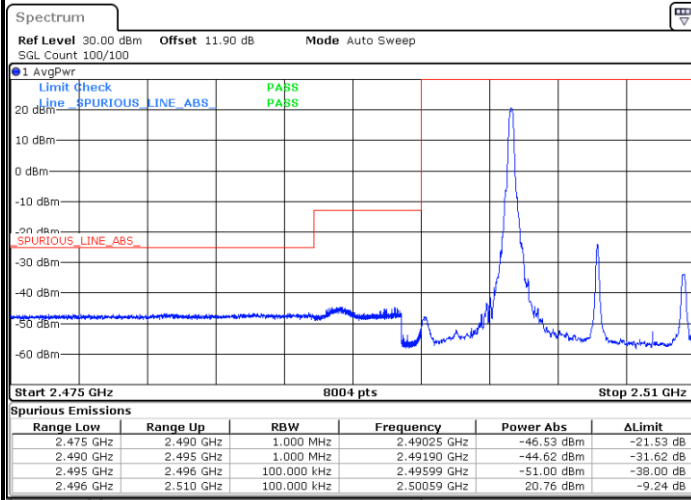
Highest Band Edge / Full RB



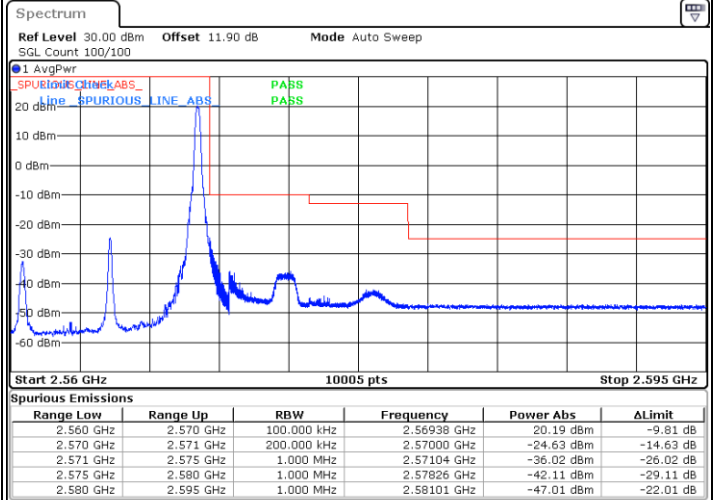


LTE Band 7 / 10MHz / 64QAM

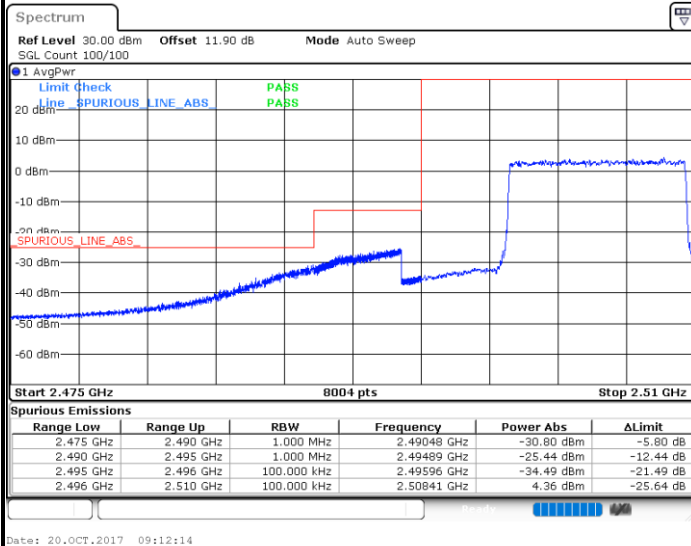
Lowest Band Edge / 1 RB



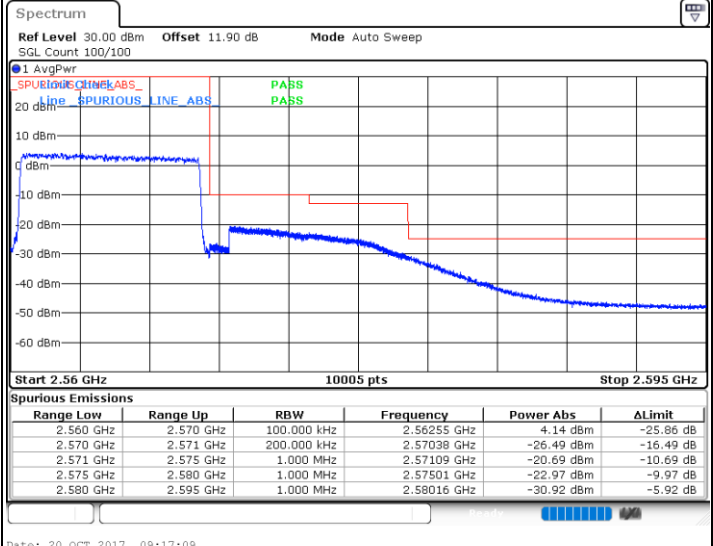
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



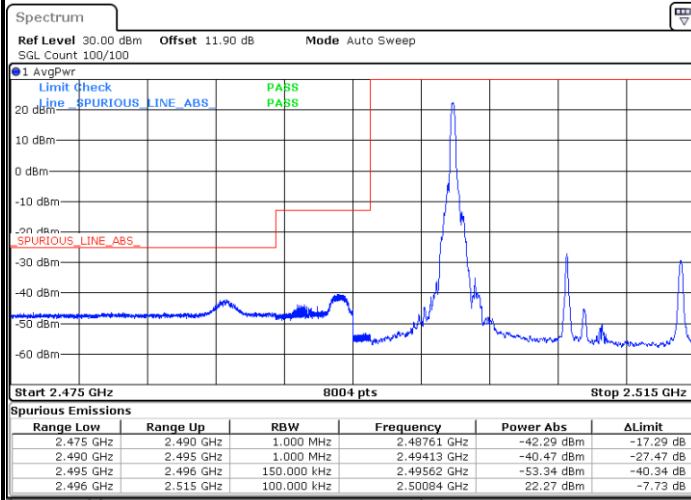
Highest Band Edge / Full RB



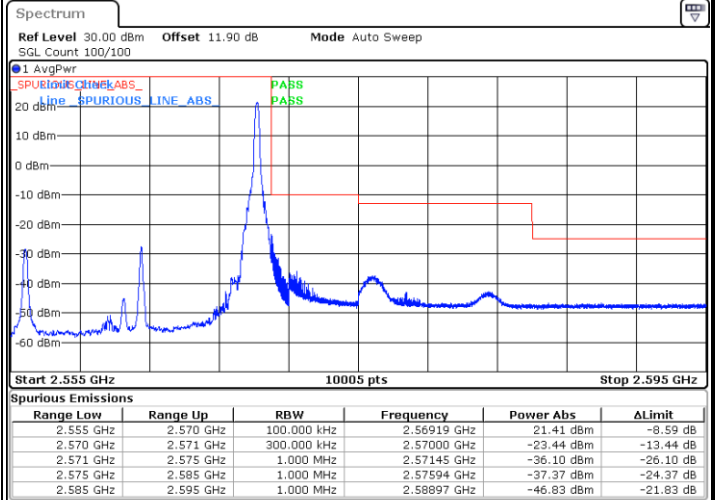


LTE Band 7 / 15MHz / QPSK

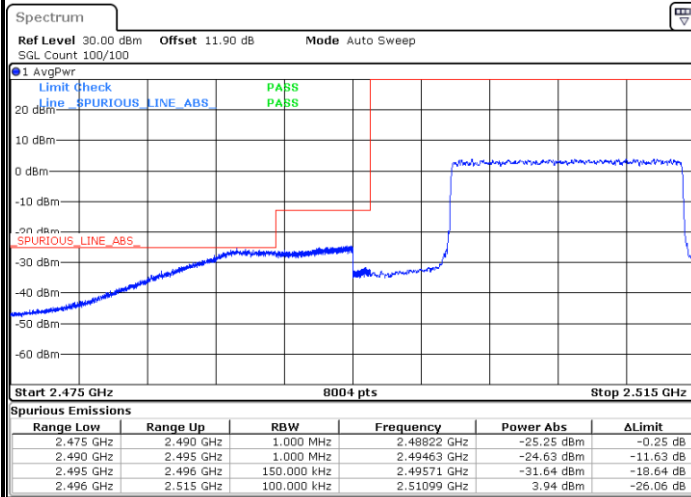
Lowest Band Edge / 1 RB



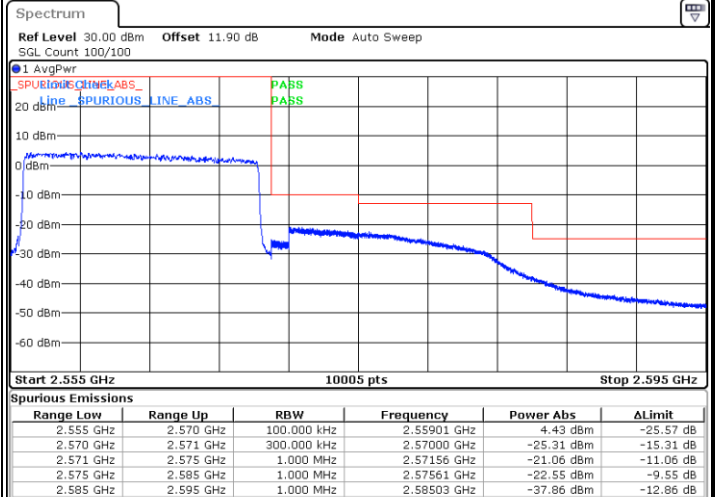
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



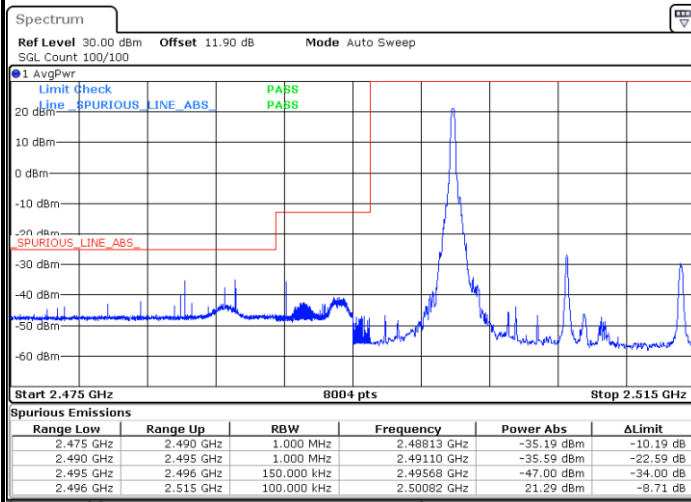
Highest Band Edge / Full RB



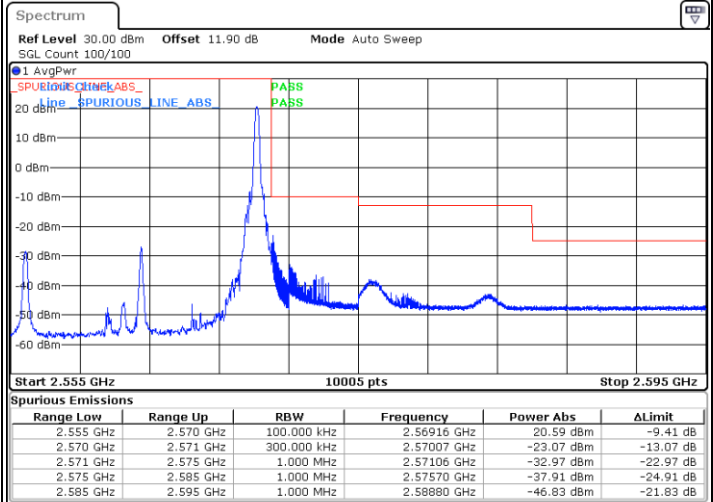


LTE Band 7 / 15MHz / 16QAM

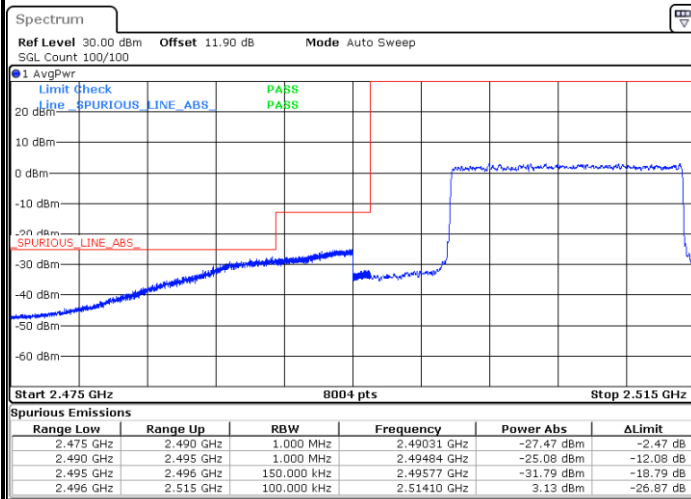
Lowest Band Edge / 1 RB



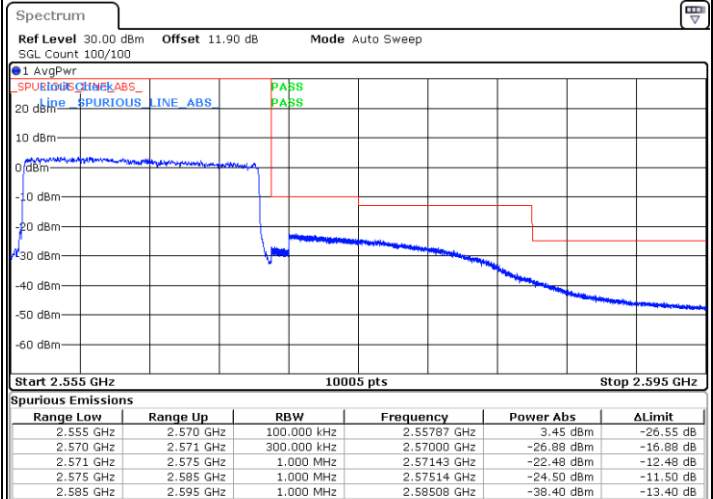
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



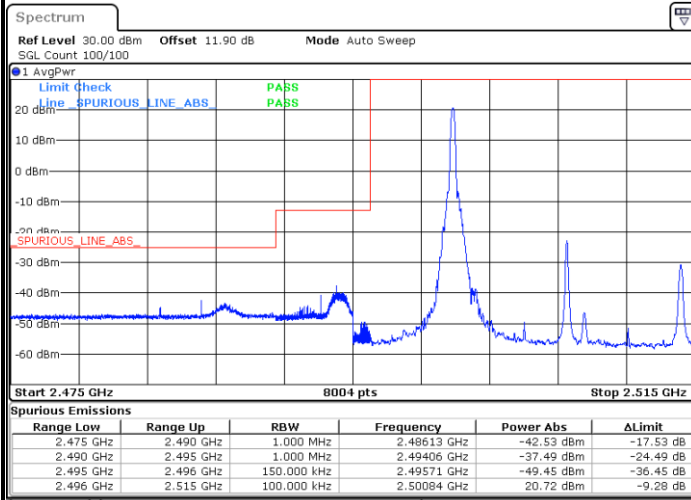
Highest Band Edge / Full RB



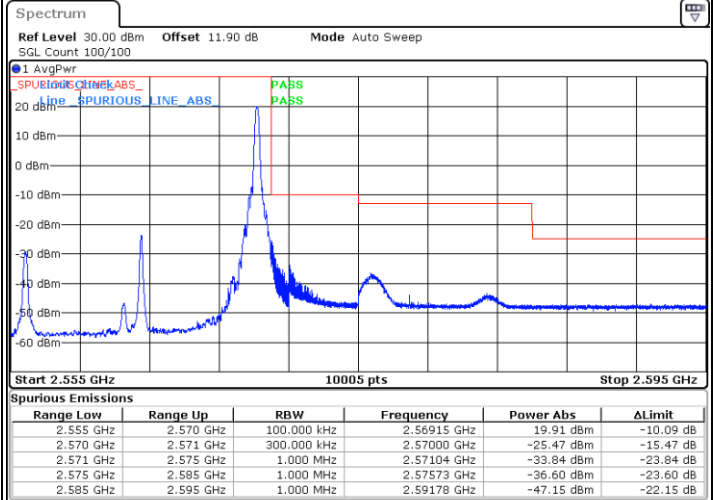


LTE Band 7 / 15MHz / 64QAM

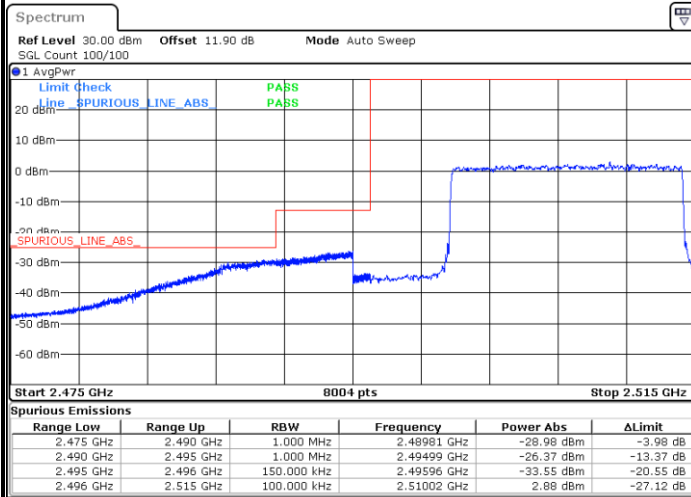
Lowest Band Edge / 1 RB



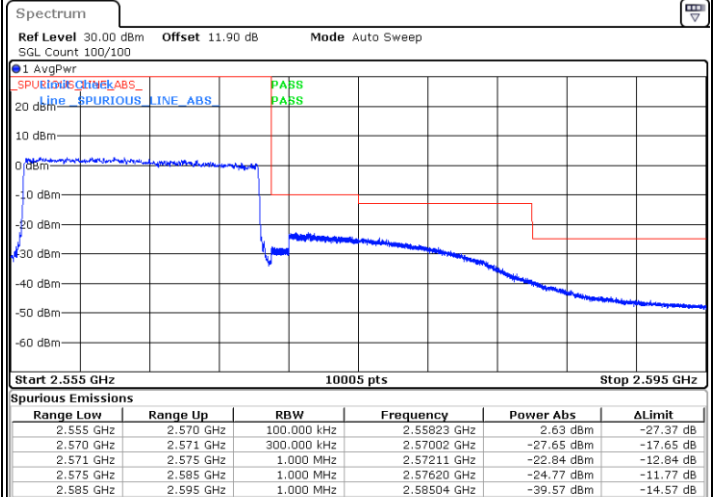
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



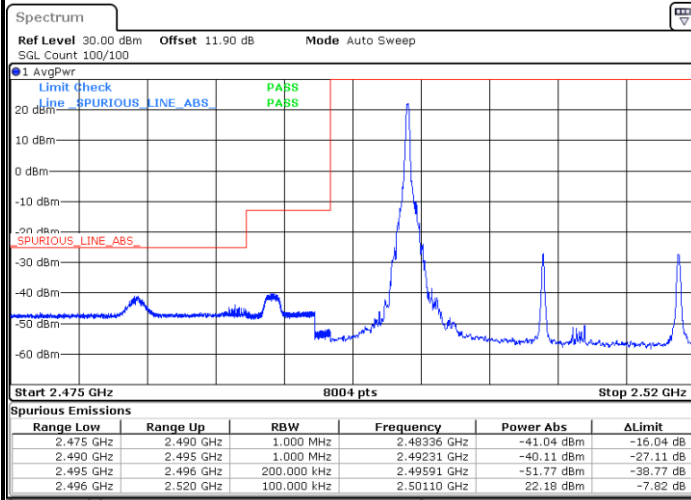
Highest Band Edge / Full RB



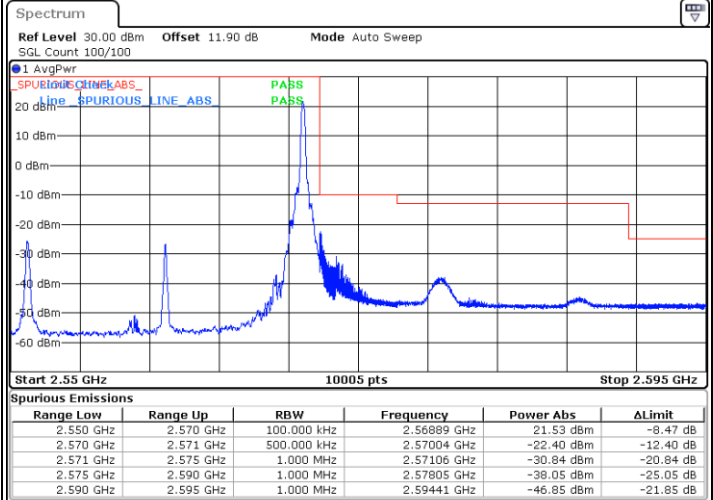


LTE Band 7 / 20MHz / QPSK

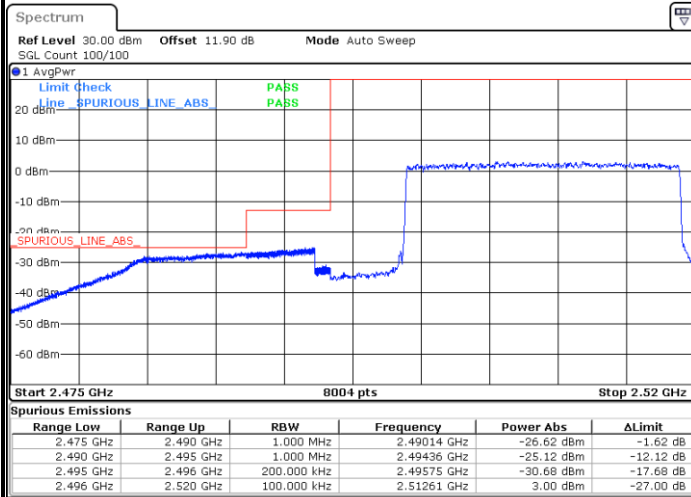
Lowest Band Edge / 1 RB



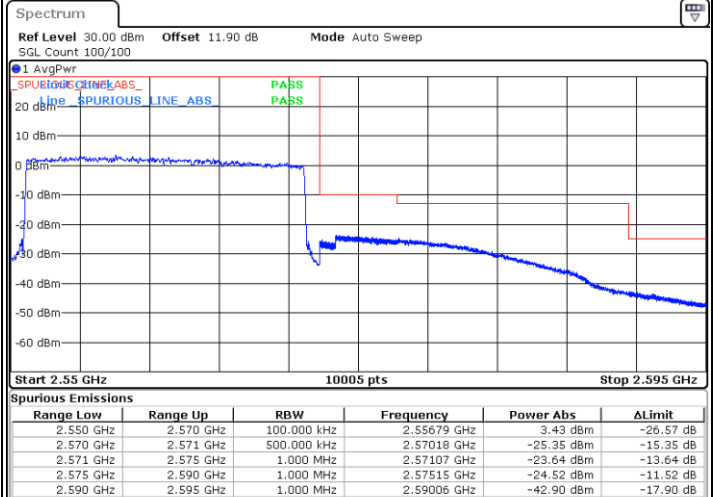
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



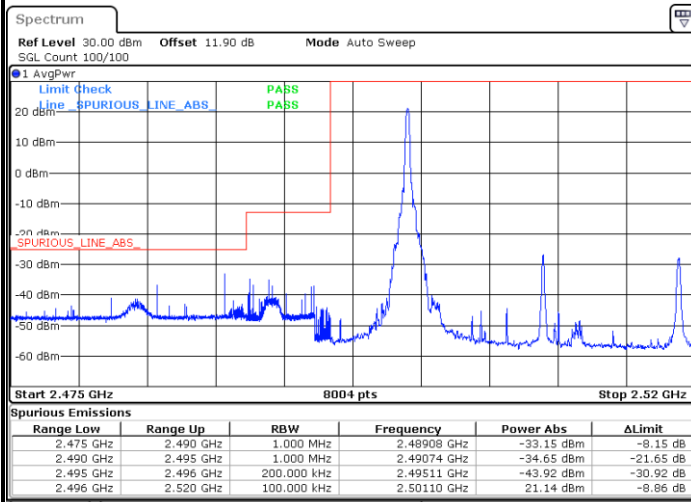
Highest Band Edge / Full RB



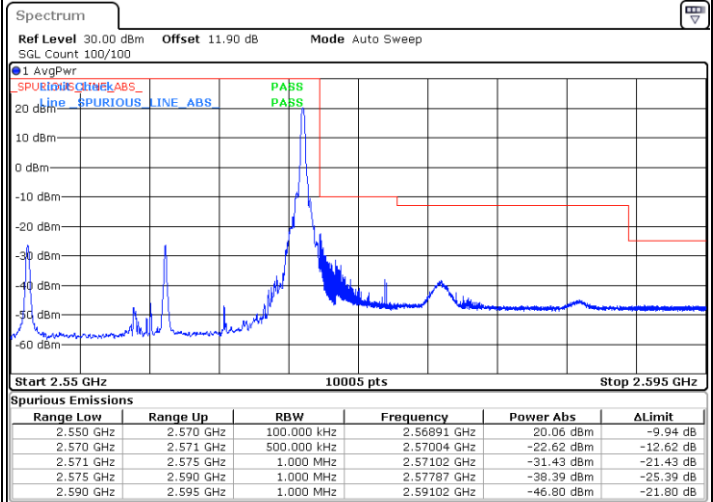


LTE Band 7 / 20MHz / 16QAM

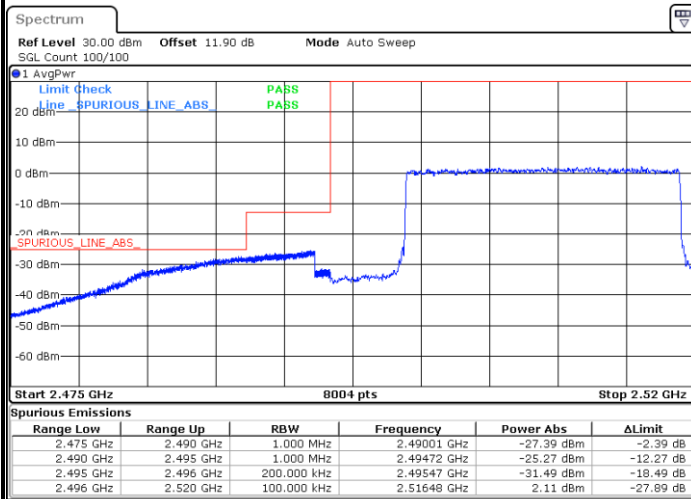
Lowest Band Edge / 1 RB



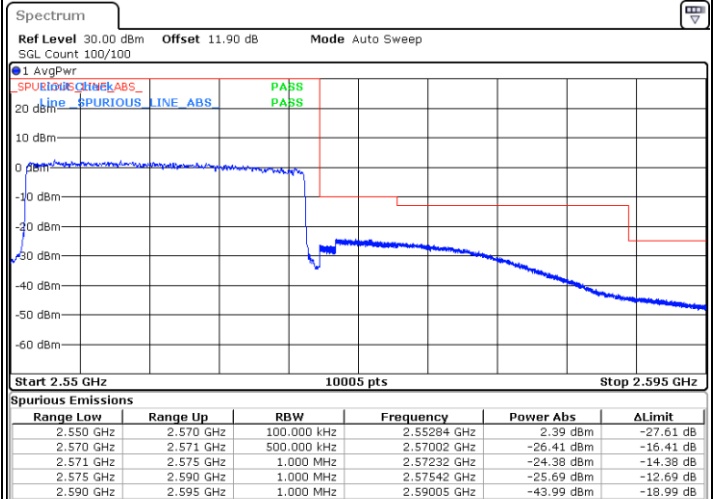
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



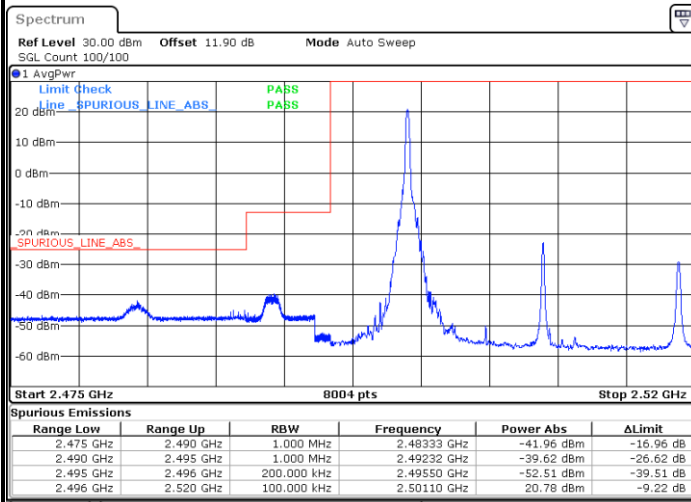
Highest Band Edge / Full RB



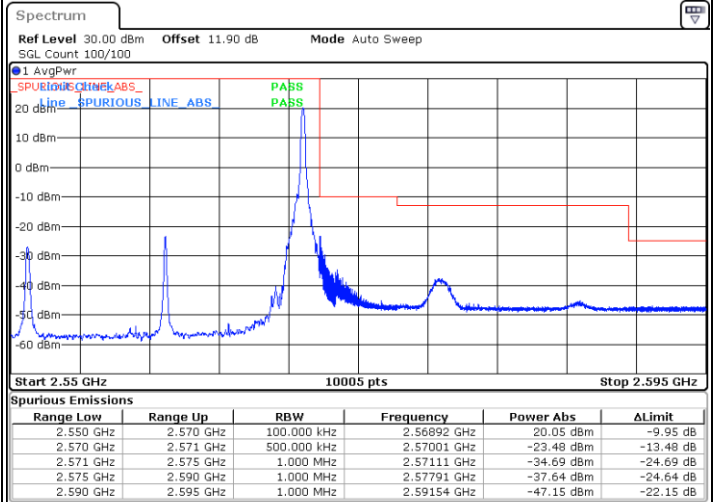


LTE Band 7 / 20MHz / 64QAM

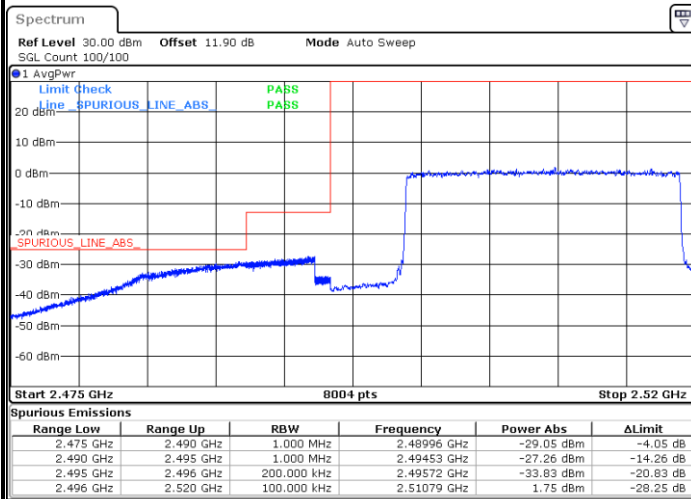
Lowest Band Edge / 1 RB



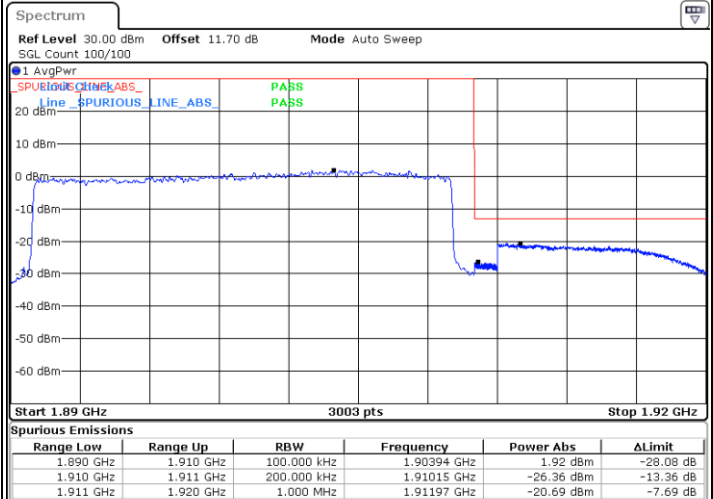
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



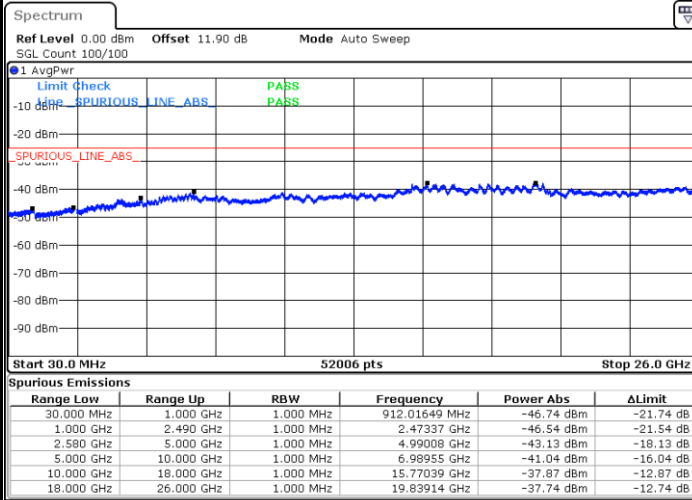


Conducted Spurious Emission



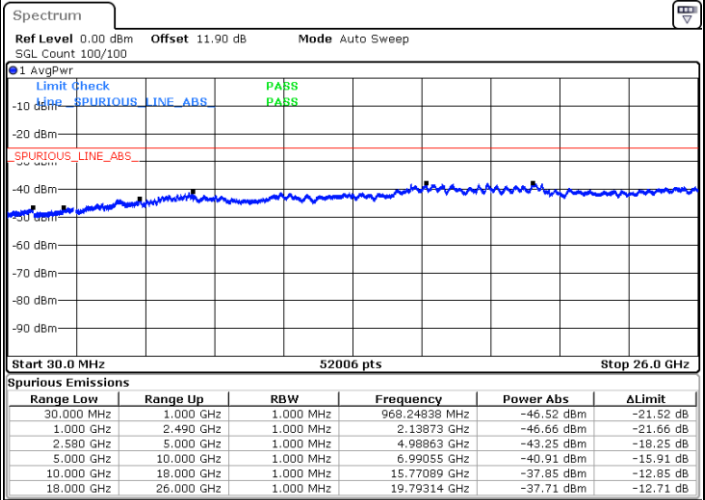
LTE Band 7 / 5MHz

Lowest Channel / QPSK



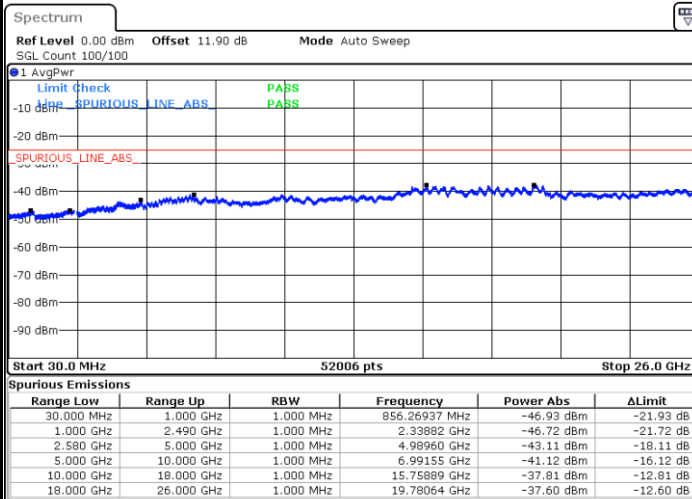
Date: 7.SEP.2017 10:07:47

Lowest Channel / 16QAM



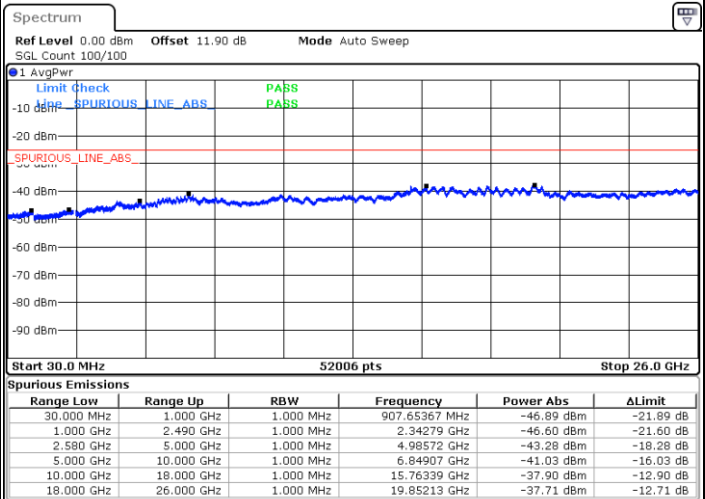
Date: 7.SEP.2017 10:08:40

Middle Channel / QPSK



Date: 7.SEP.2017 10:10:14

Middle Channel / 16QAM

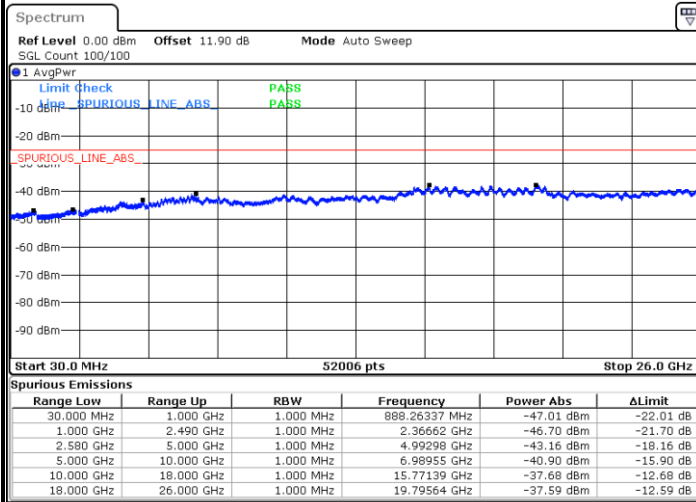


Date: 7.SEP.2017 10:11:07



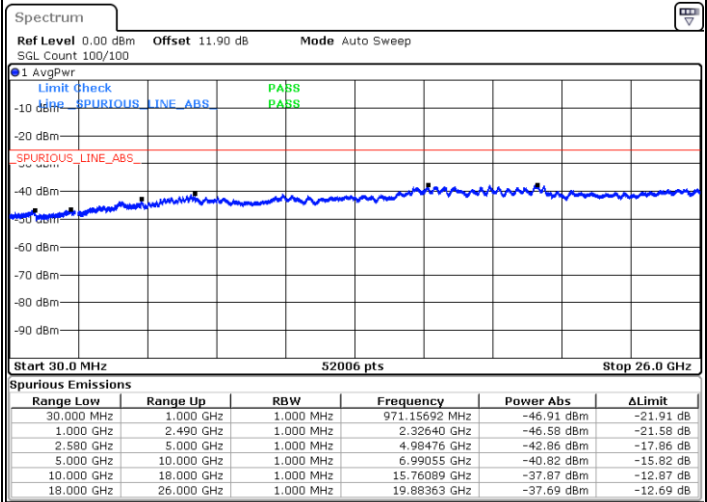
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 7.SEP.2017 10:17:17

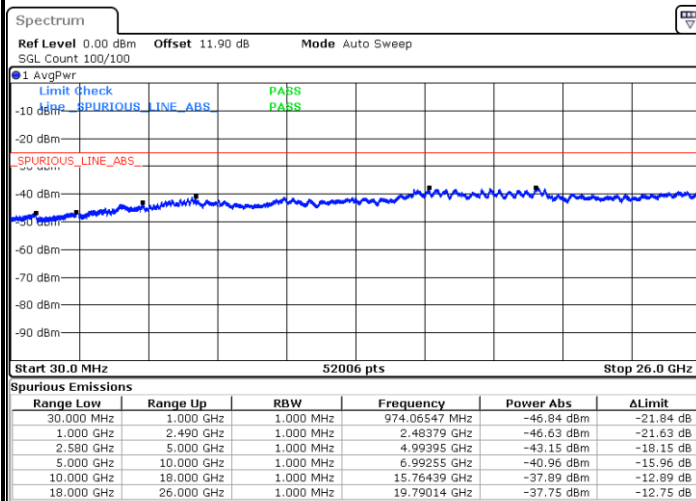
Highest Channel / 16QAM



Date: 7.SEP.2017 10:18:10

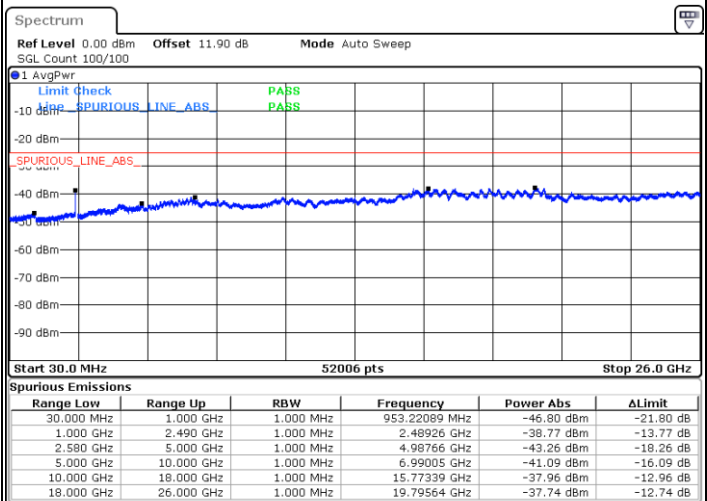
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 7.SEP.2017 10:24:21

Lowest Channel / 16QAM

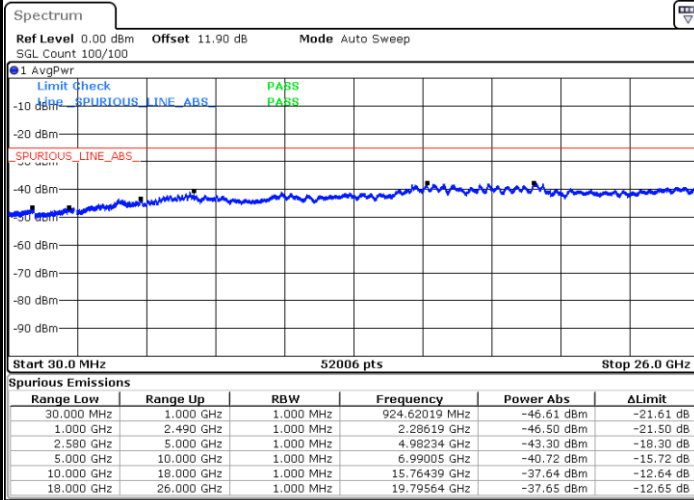


Date: 7.SEP.2017 10:25:14



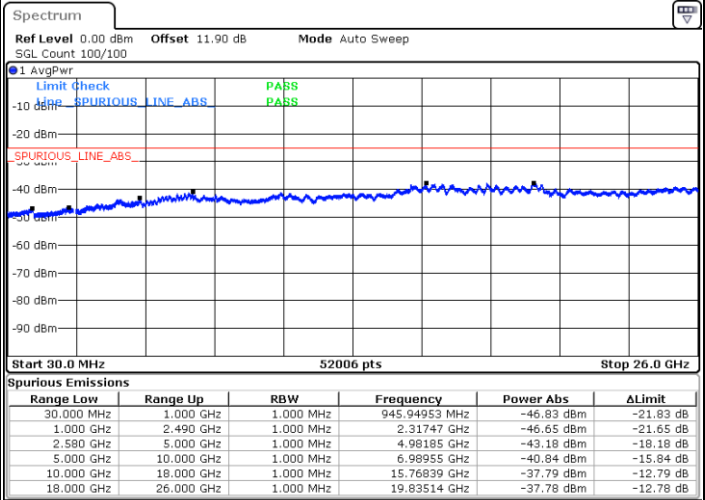
LTE Band 7 / 10MHz

Middle Channel / QPSK



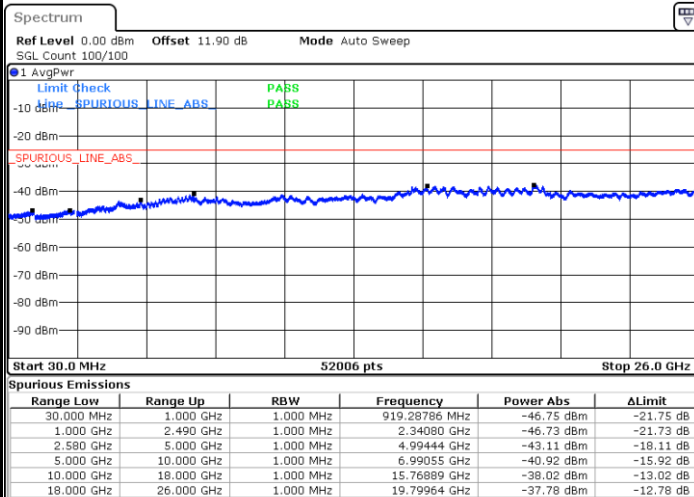
Date: 7.SEP.2017 10:26:48

Middle Channel / 16QAM



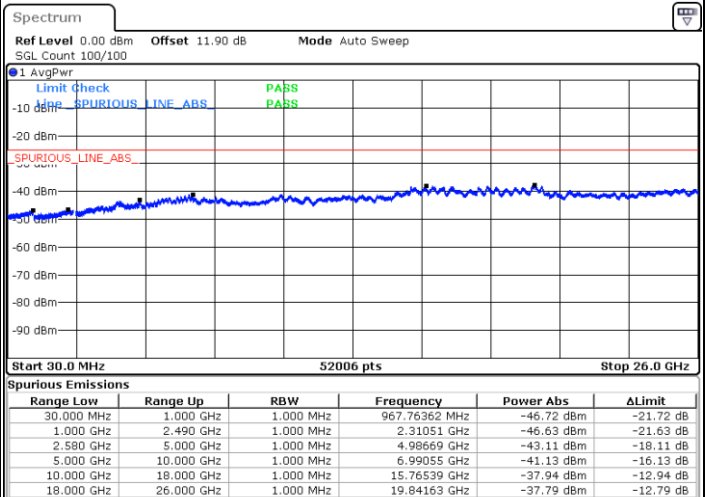
Date: 7.SEP.2017 10:27:41

Highest Channel / QPSK



Date: 7.SEP.2017 10:33:51

Highest Channel / 16QAM

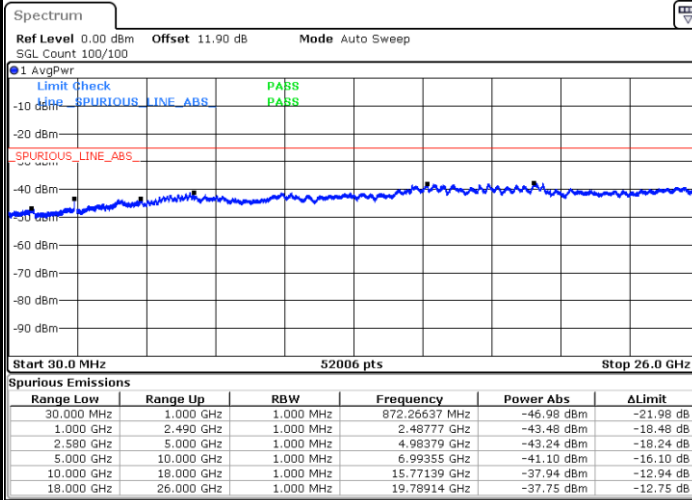


Date: 7.SEP.2017 10:34:45



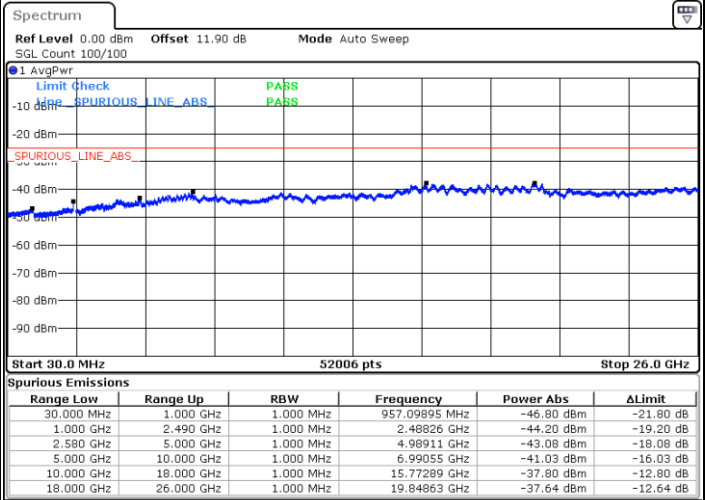
LTE Band 7 / 15MHz

Lowest Channel / QPSK



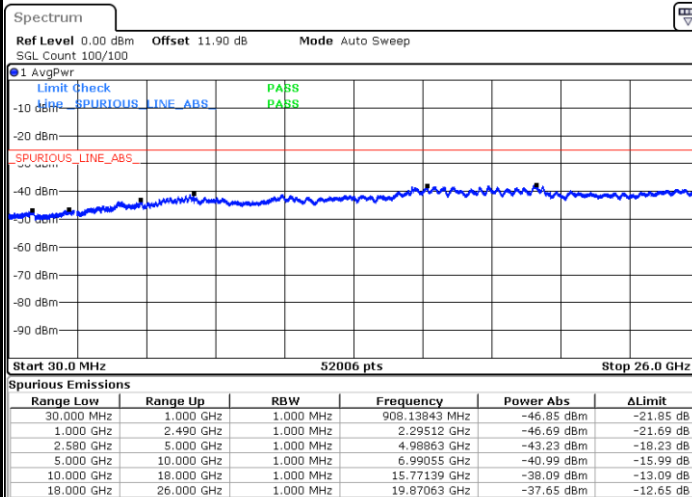
Date: 7.SEP.2017 10:40:55

Lowest Channel / 16QAM



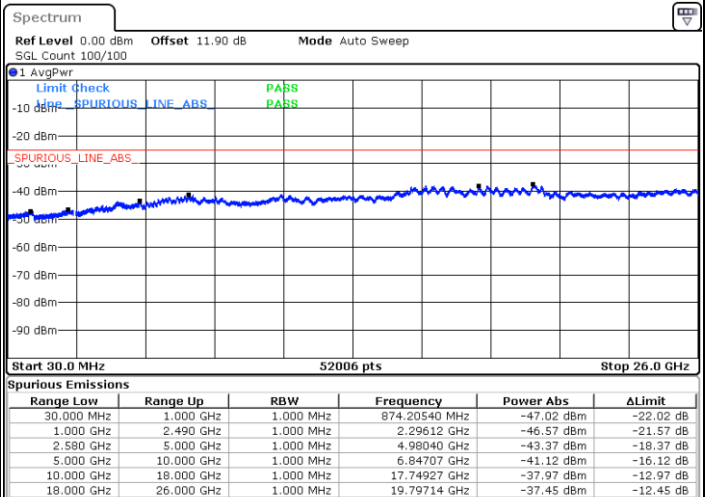
Date: 7.SEP.2017 10:41:48

Middle Channel / QPSK



Date: 7.SEP.2017 10:43:21

Middle Channel / 16QAM

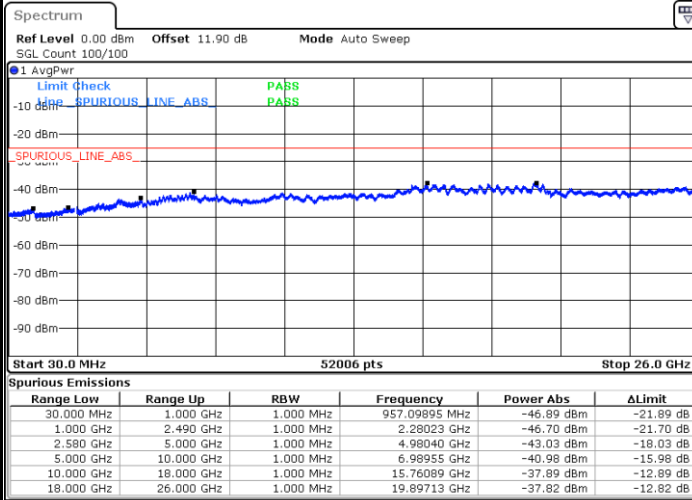


Date: 7.SEP.2017 10:44:15



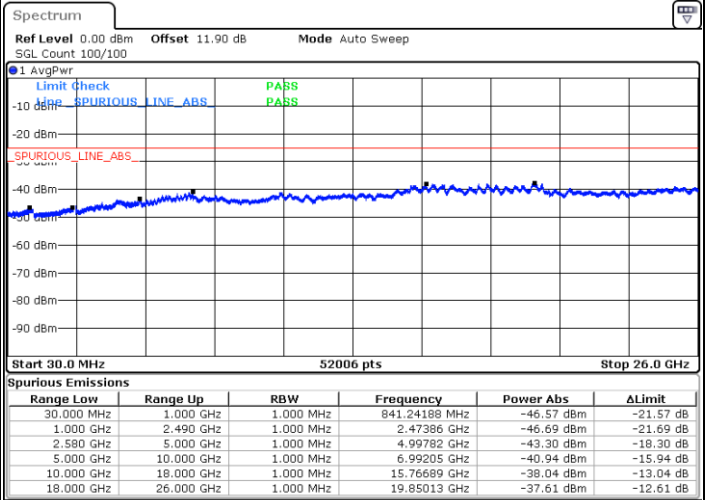
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 7.SEP.2017 10:50:25

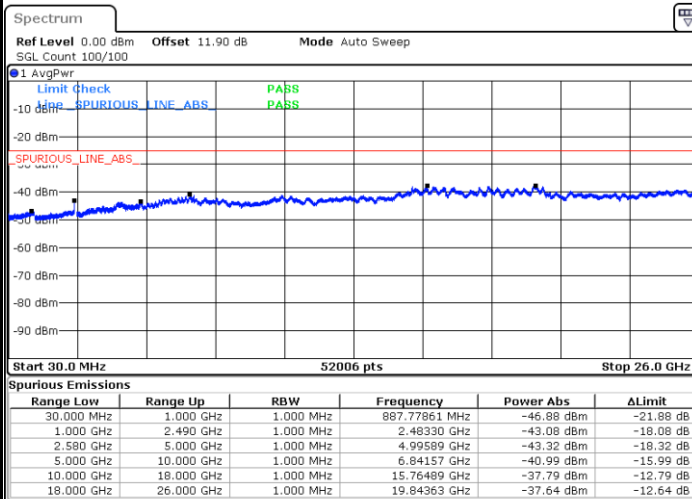
Highest Channel / 16QAM



Date: 7.SEP.2017 10:51:19

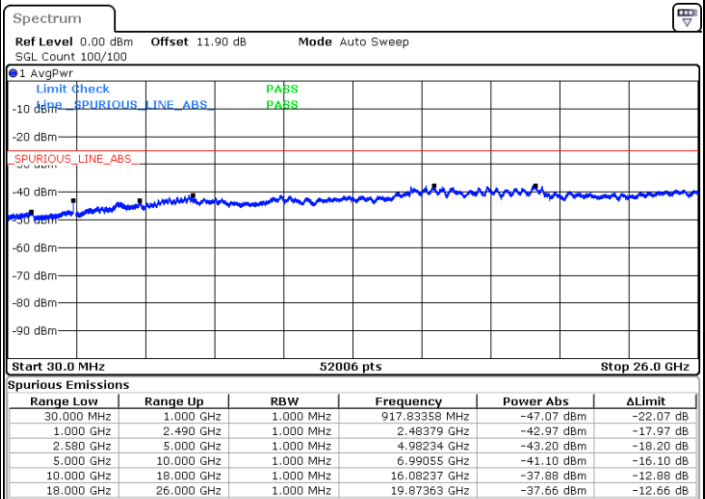
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 7.SEP.2017 10:57:29

Lowest Channel / 16QAM

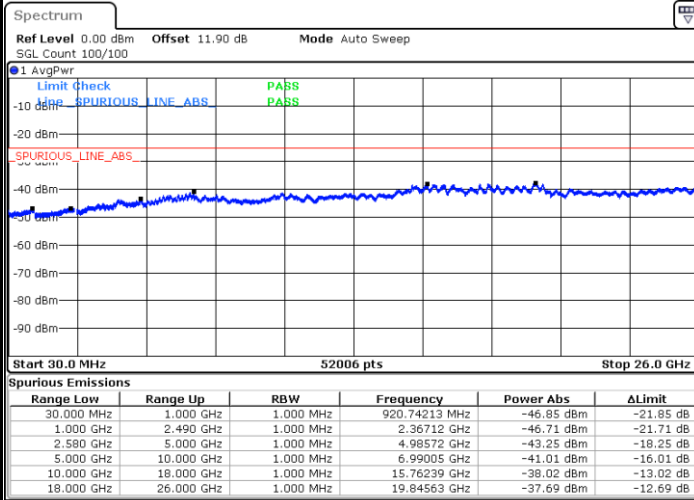


Date: 7.SEP.2017 10:58:22



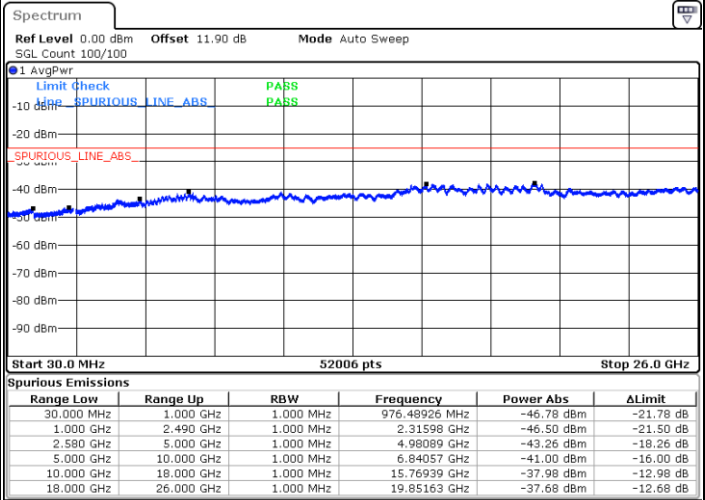
LTE Band 7 / 20MHz

Middle Channel / QPSK



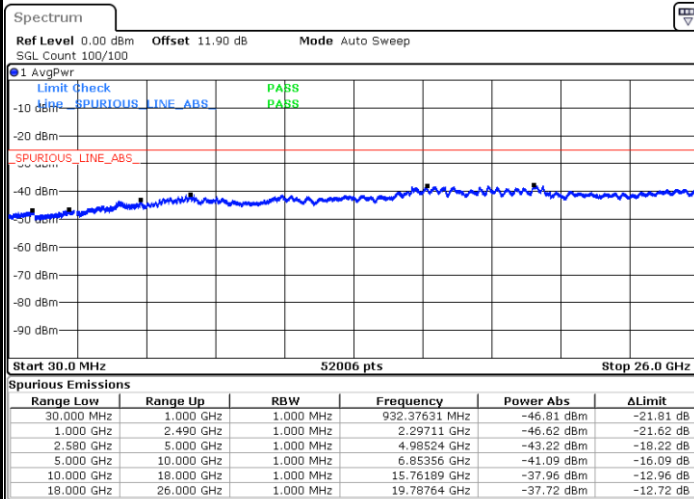
Date: 7.SEP.2017 10:59:55

Middle Channel / 16QAM



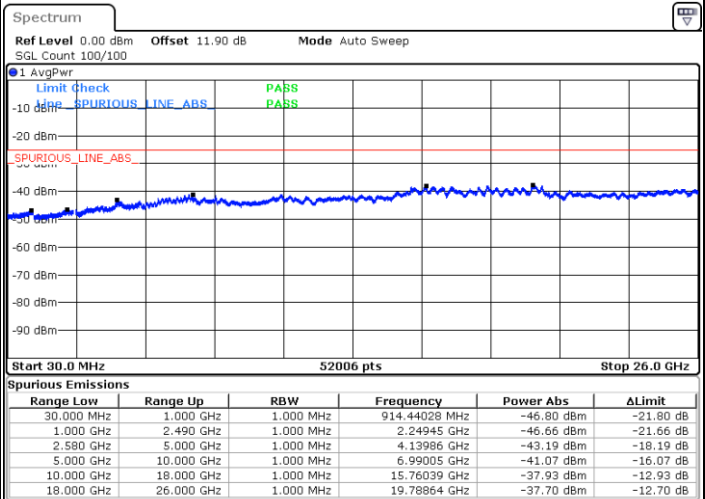
Date: 7.SEP.2017 11:00:49

Highest Channel / QPSK



Date: 7.SEP.2017 11:06:59

Highest Channel / 16QAM

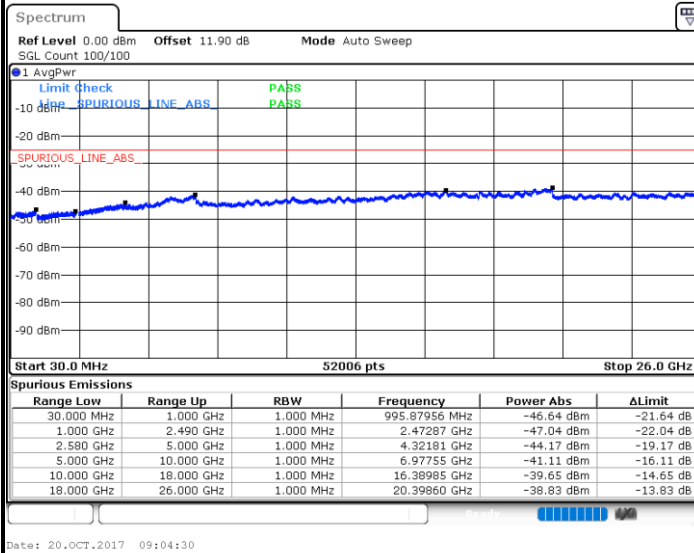


Date: 7.SEP.2017 11:07:52

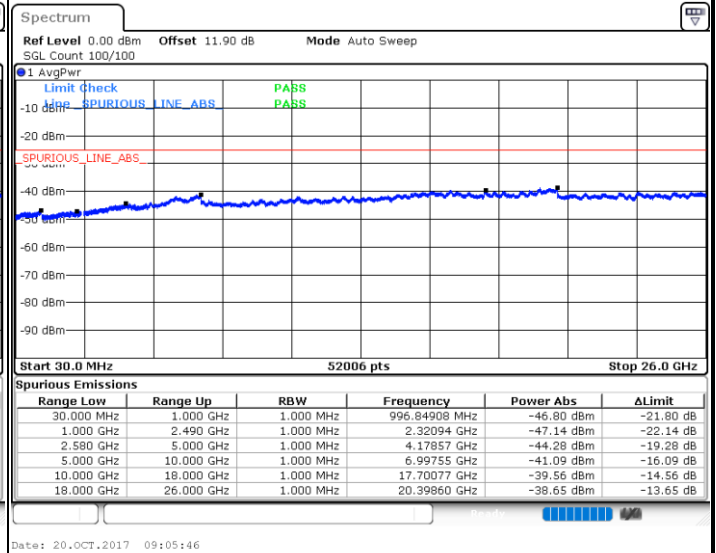


LTE Band 7 / 5MHz

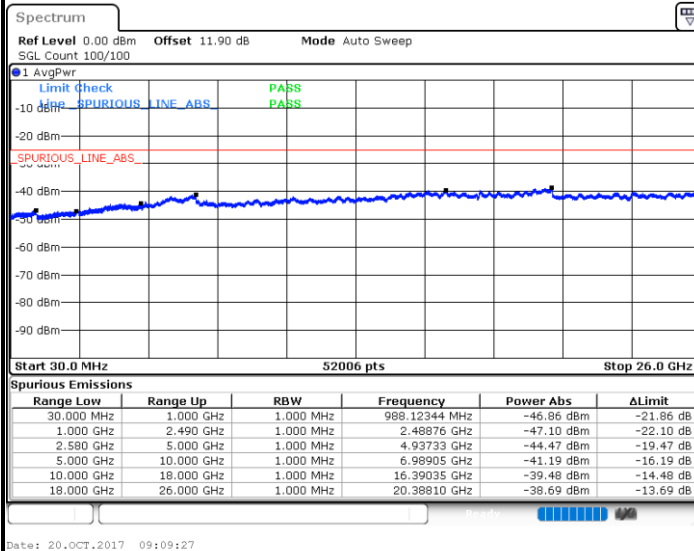
Lowest Channel / 64QAM



Middle Channel / 64QAM



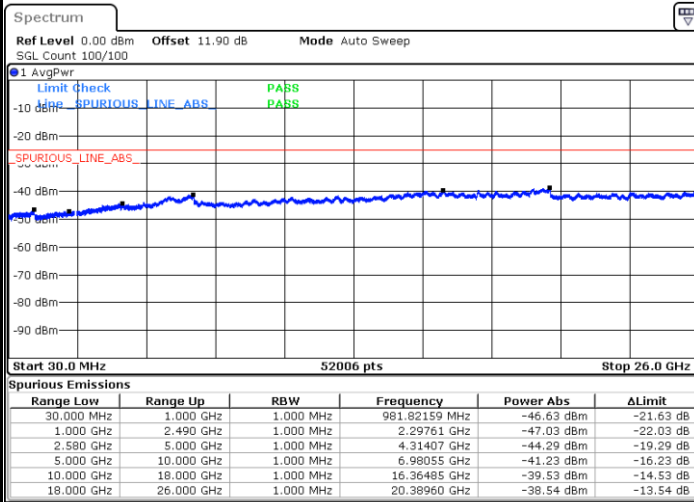
Highest Channel / 64QAM





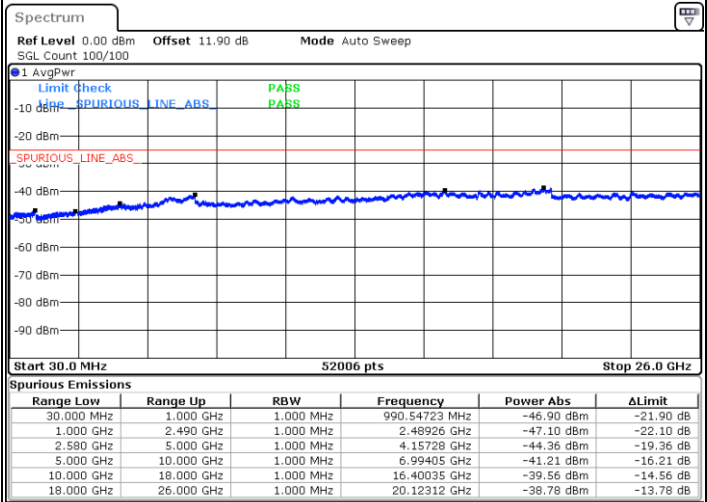
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



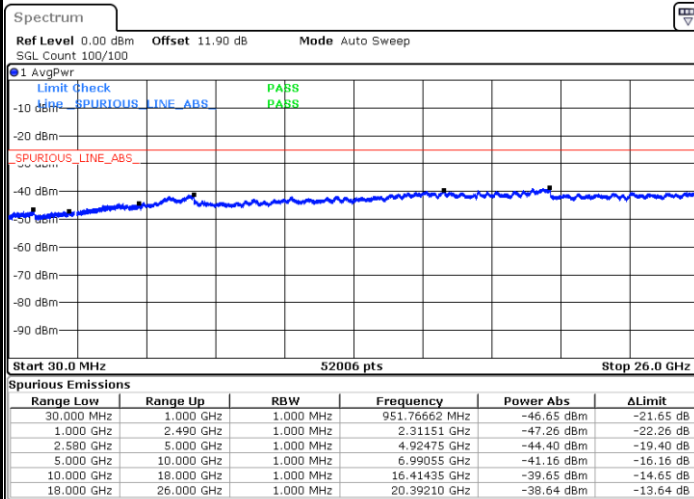
Date: 20.OCT.2017 09:13:11

Middle Channel / 64QAM



Date: 20.OCT.2017 09:14:28

Highest Channel / 64QAM

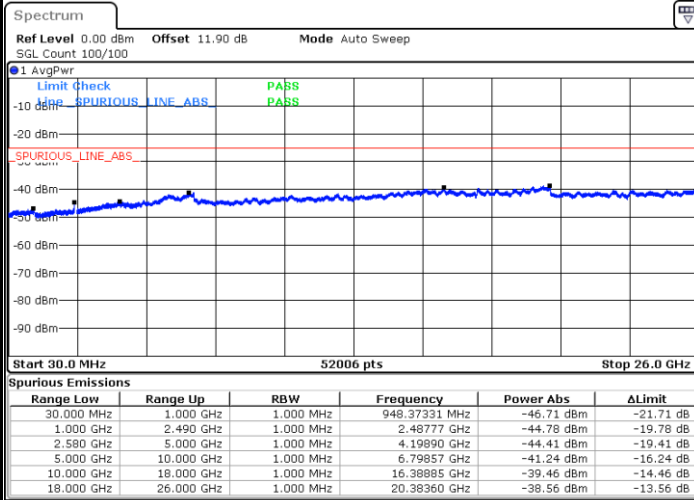


Date: 20.OCT.2017 09:18:03



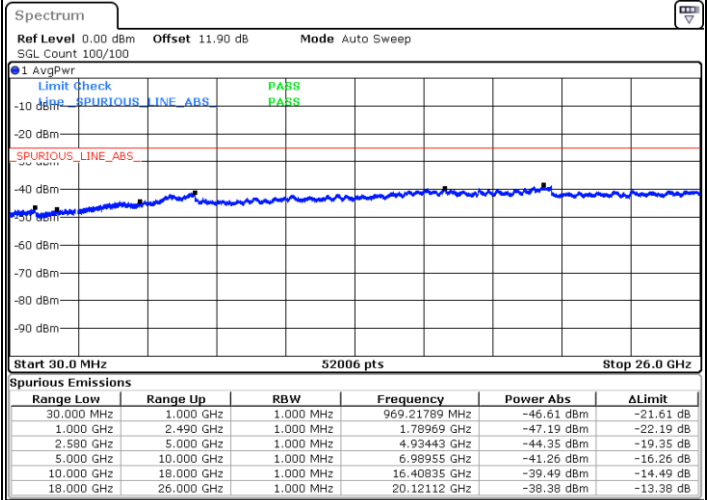
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



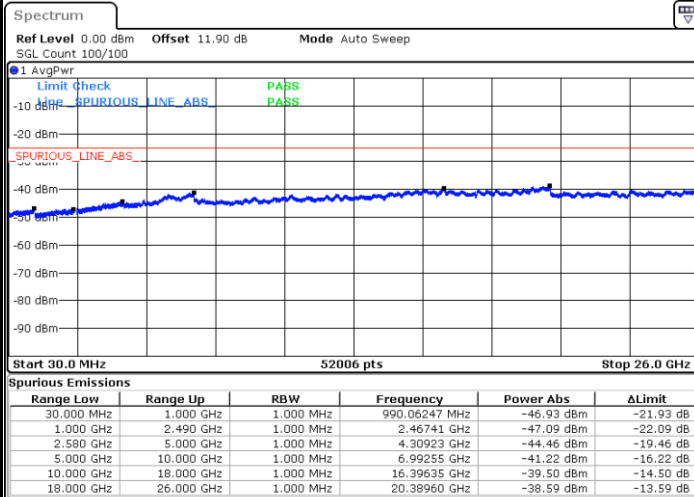
Date: 20.OCT.2017 09:21:36

Middle Channel / 64QAM



Date: 20.OCT.2017 09:22:50

Highest Channel / 64QAM

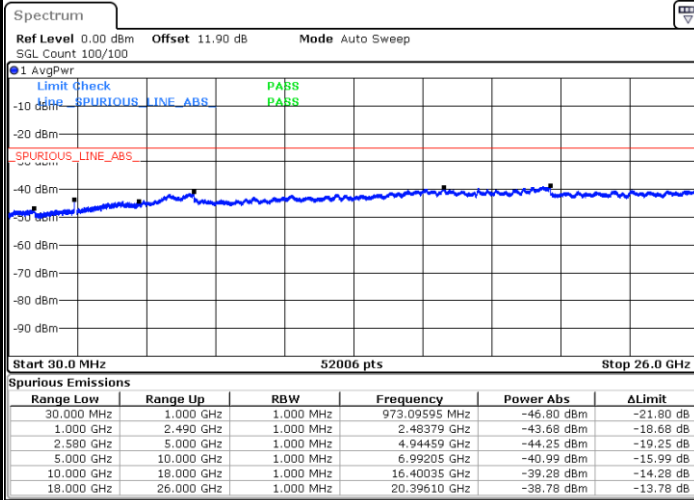


Date: 20.OCT.2017 09:26:22



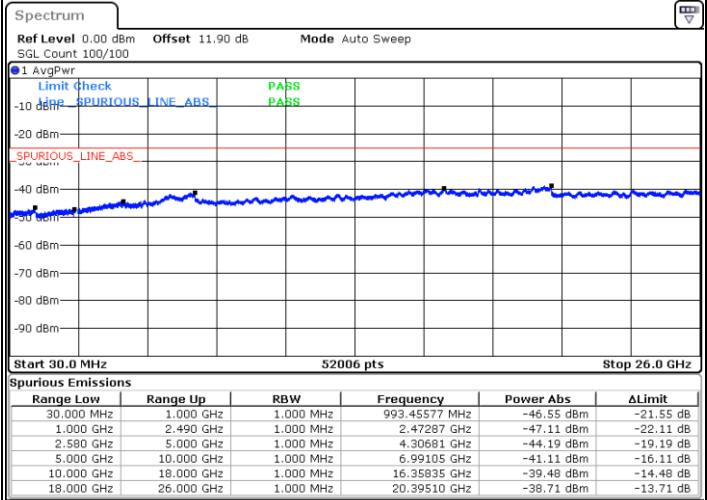
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



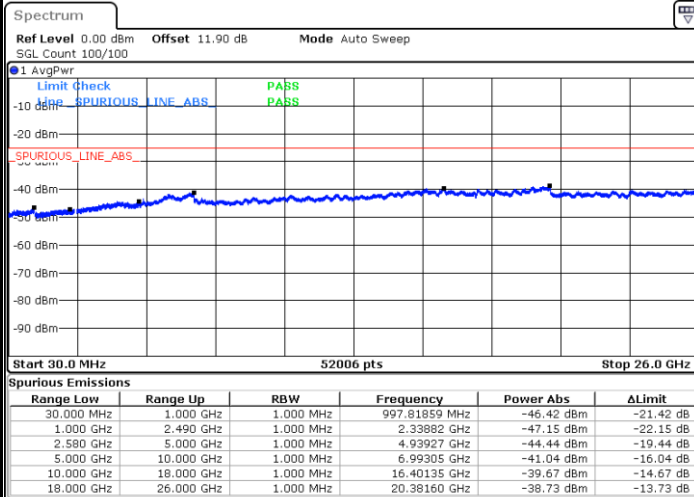
Date: 20.OCT.2017 09:29:55

Middle Channel / 64QAM



Date: 20.OCT.2017 09:31:08

Highest Channel / 64QAM



Date: 20.OCT.2017 09:34:40

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0079	
30	Normal Voltage	0.0090	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0080	
0	Normal Voltage	0.0088	
-10	Normal Voltage	0.0090	
-20	Normal Voltage	0.0086	
-30	Normal Voltage	0.0086	
20	Maximum Voltage	0.0088	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0000	

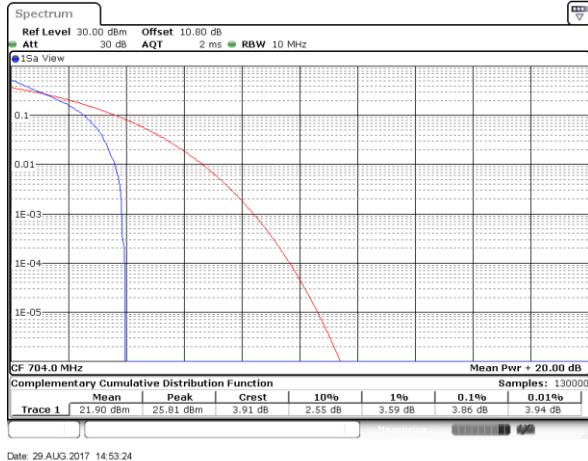
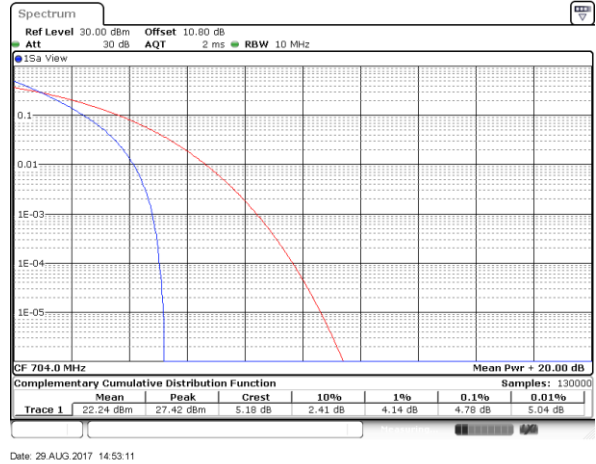
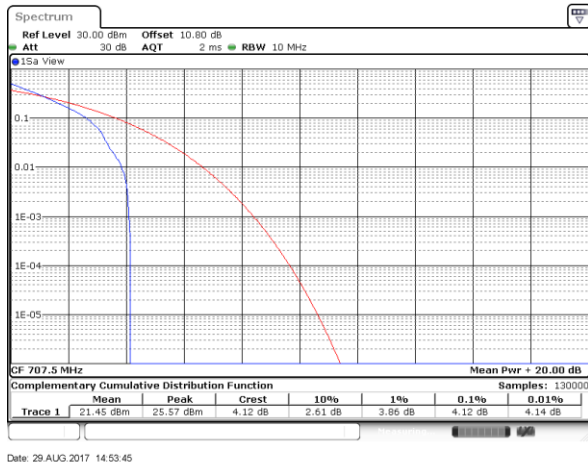
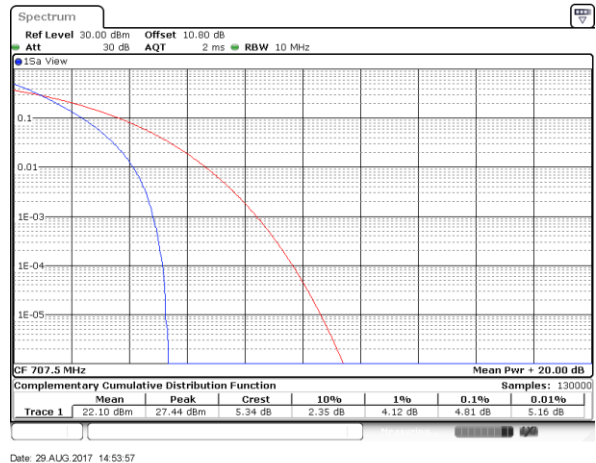
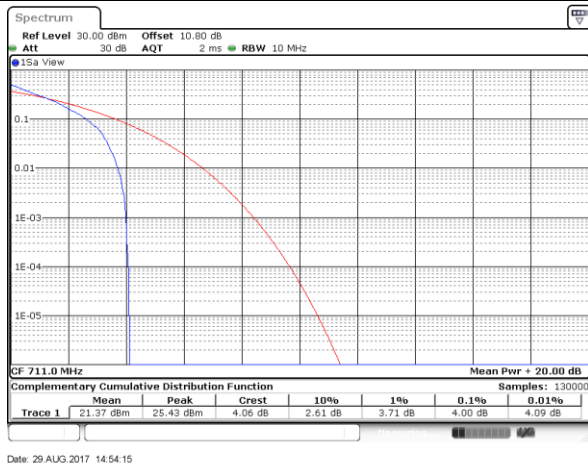
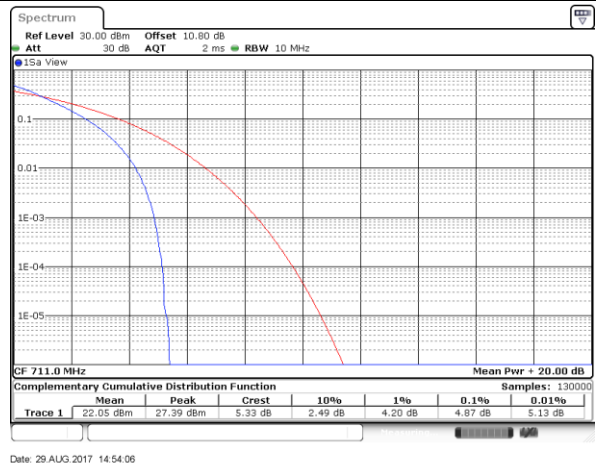
Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 12

Peak-to-Average Ratio

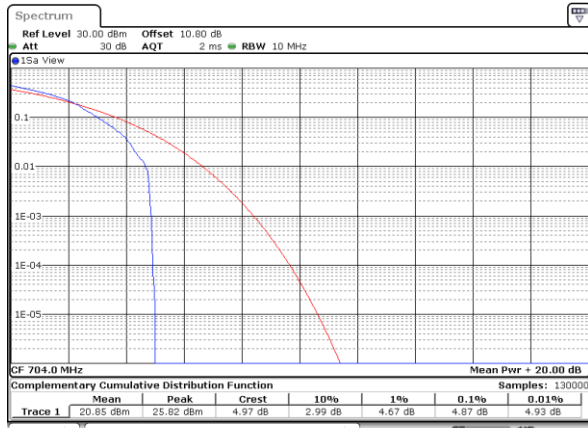
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.86	4.78	4.87	5.71	PASS
Middle CH	4.12	4.81	4.99	5.8	
Highest CH	4	4.87	4.87	5.86	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.87	5.74	-	-	PASS
Middle CH	4.78	5.8	-	-	
Highest CH	4.81	5.86	-	-	

LTE Band 12 / 10MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


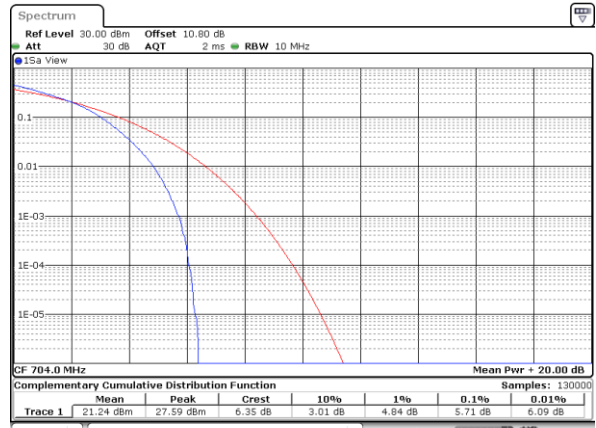


LTE Band 12 / 10MHz / 16QAM

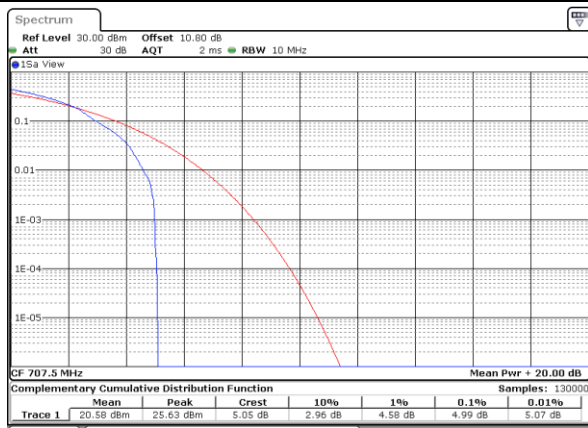
Lowest Channel / 1RB



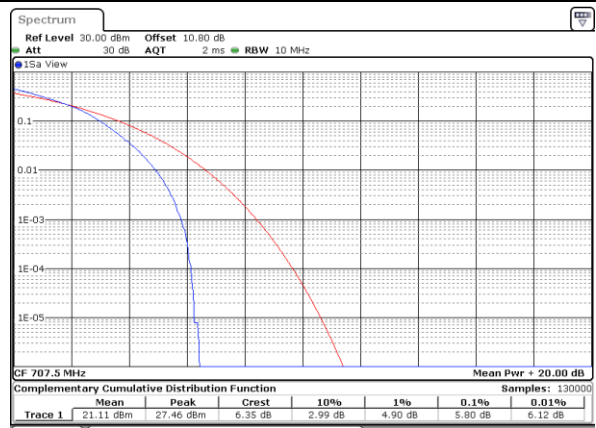
Lowest Channel / Full RB



Middle Channel / 1RB



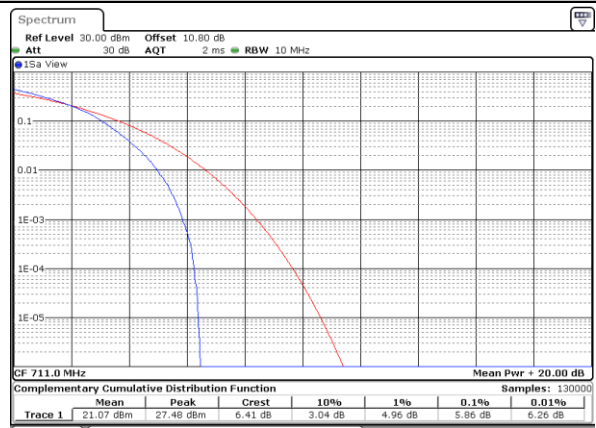
Middle Channel / Full RB



Highest Channel / 1RB



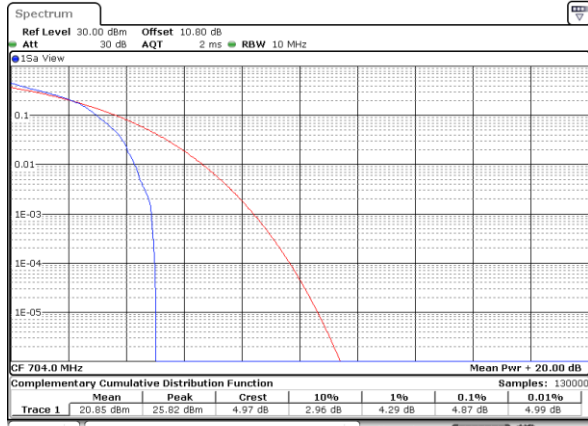
Highest Channel / Full RB



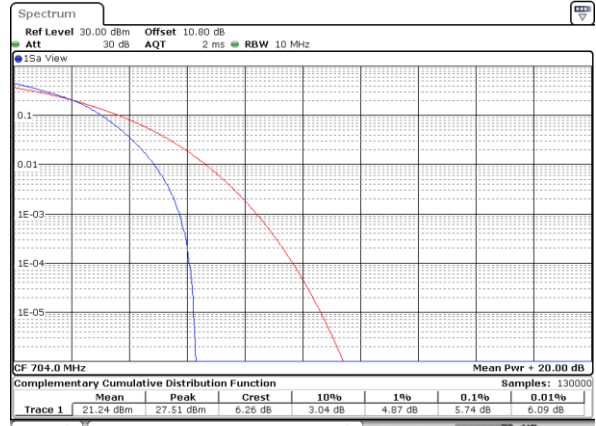


LTE Band 12 / 10MHz / 64QAM

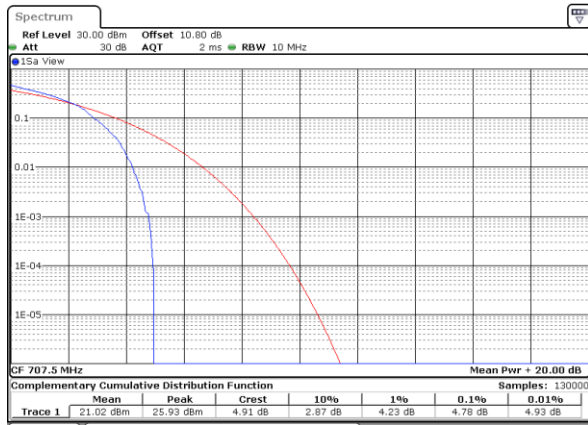
Lowest Channel / 1RB



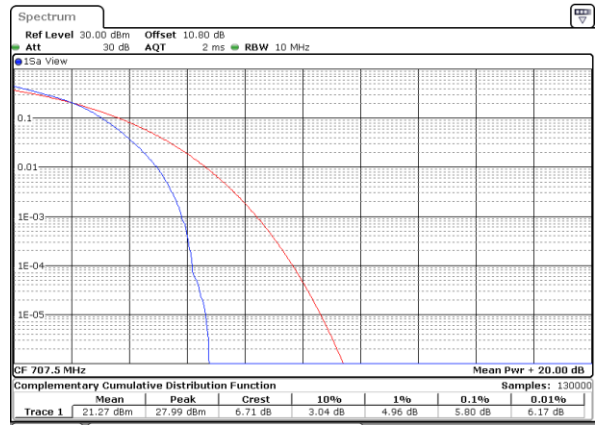
Lowest Channel / Full RB



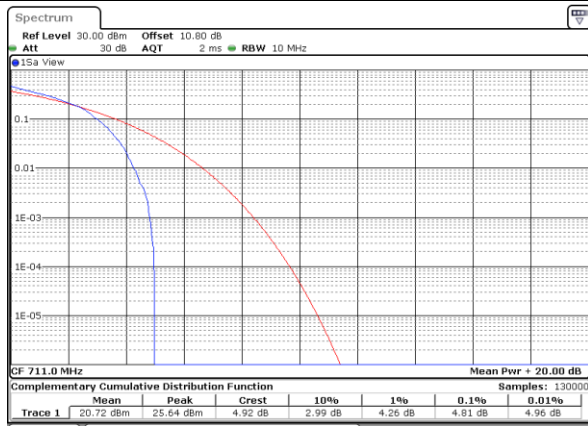
Middle Channel / 1RB



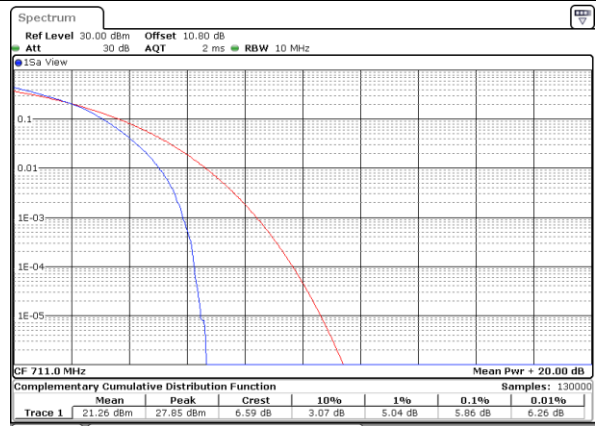
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



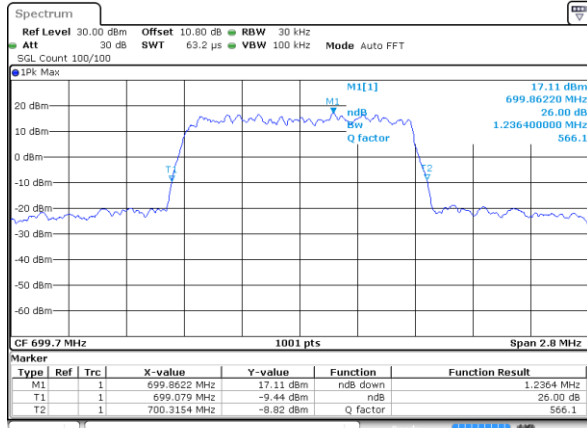
**26dB Bandwidth**

Mode	LTE Band 12 : 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	1.24	1.21	3.05	3.02	4.97	4.97	9.75	9.79	-	-	-	-
Middle CH	1.24	1.21	3.03	3.06	4.85	4.82	9.75	9.89	-	-	-	-
Highest CH	1.22	1.22	3.02	3.02	4.88	4.85	9.71	9.65	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.03	-	4.9	-	9.65	-	-	-	-	-
Middle CH	1.23	-	3.03	-	4.86	-	9.67	-	-	-	-	-
Highest CH	1.239	-	3.01	-	4.84	-	9.79	-	-	-	-	-



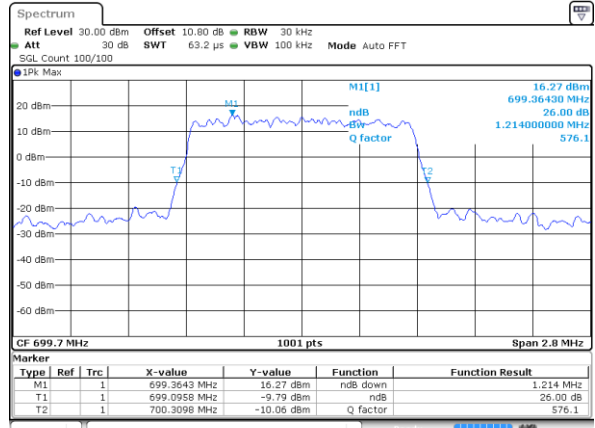
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



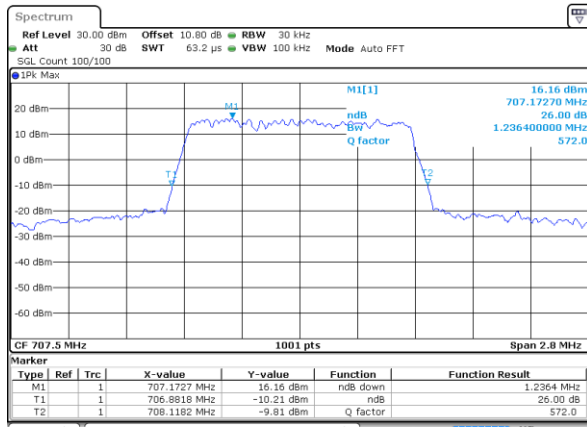
Date: 29 AUG 2017 14:32:46

Lowest Channel / 1.4MHz / 16QAM



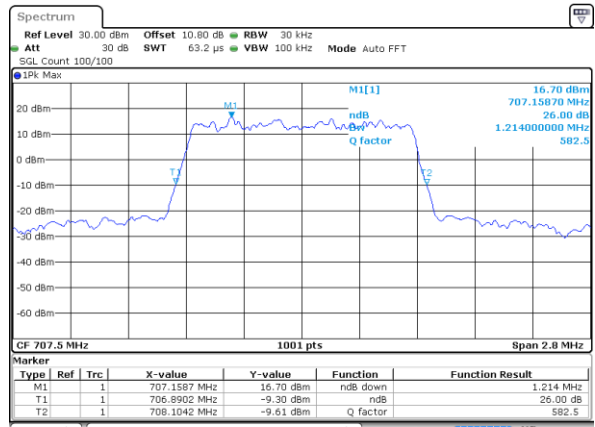
Date: 29 AUG 2017 14:32:37

Middle Channel / 1.4MHz / QPSK



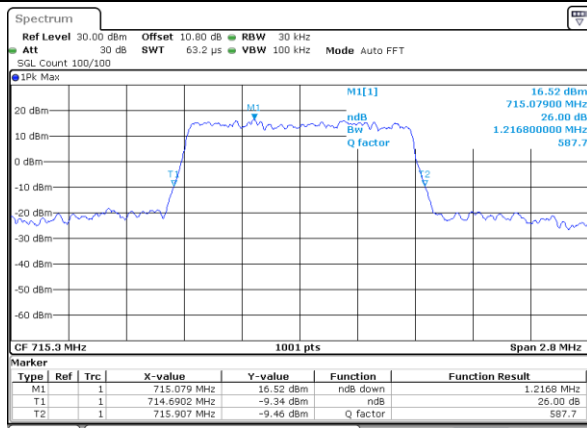
Date: 29 AUG 2017 14:39:38

Middle Channel / 1.4MHz / 16QAM



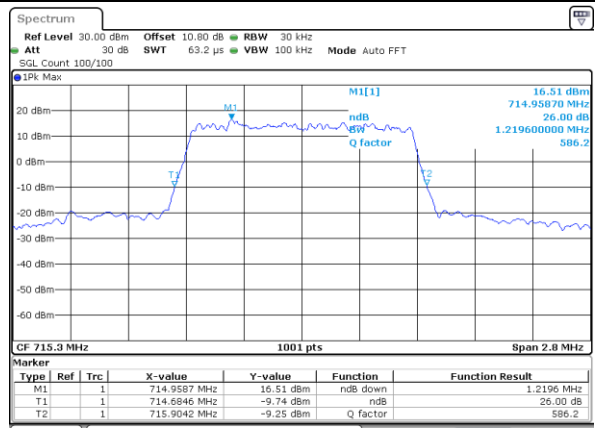
Date: 29 AUG 2017 14:39:49

Highest Channel / 1.4MHz / QPSK



Date: 29 AUG 2017 14:42:16

Highest Channel / 1.4MHz / 16QAM



Date: 29 AUG 2017 14:42:06