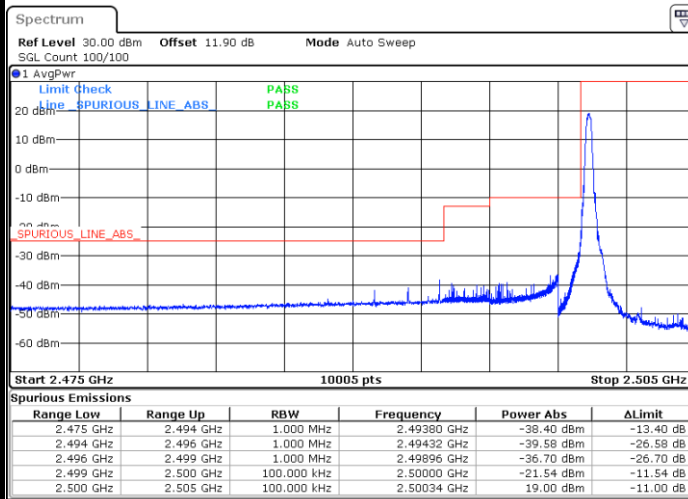


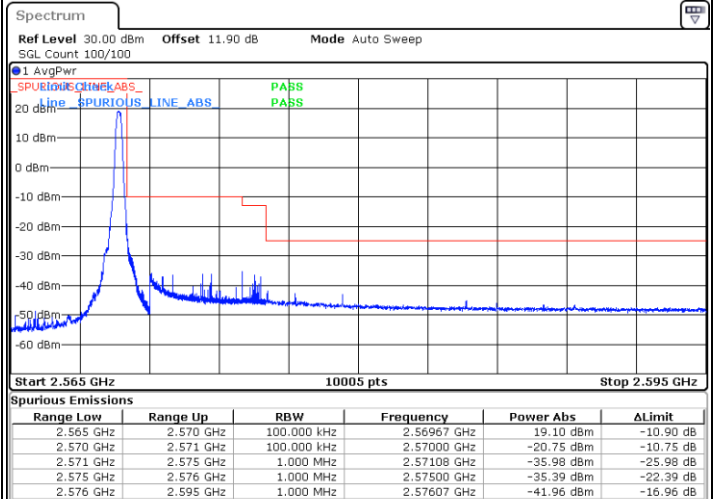


LTE Band 7 / 5MHz / 64QAM

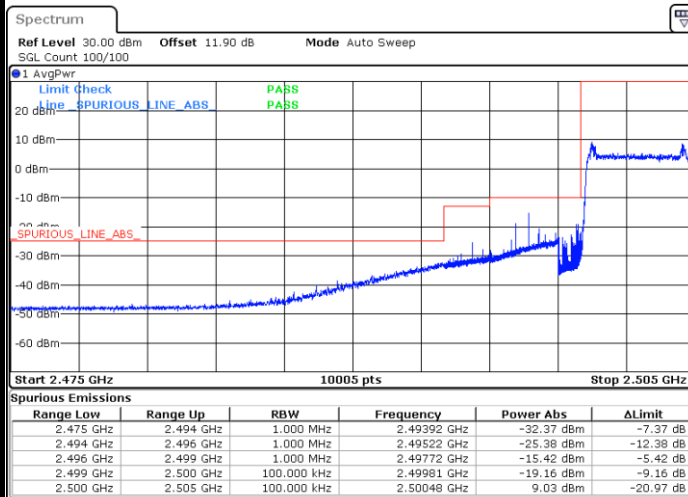
Lowest Band Edge / 1RB



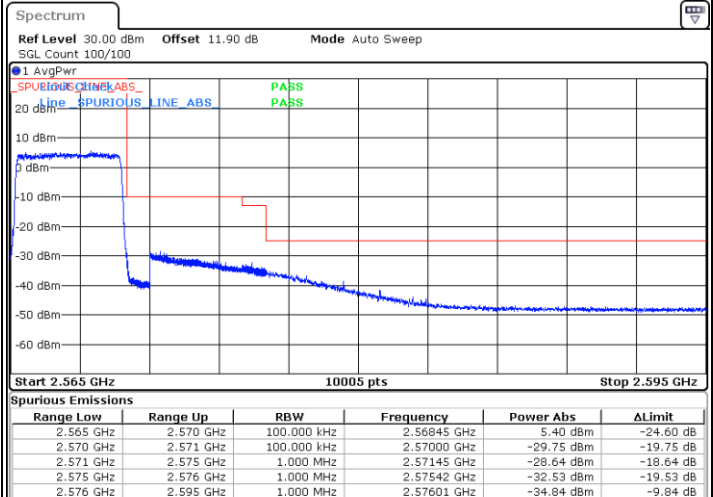
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



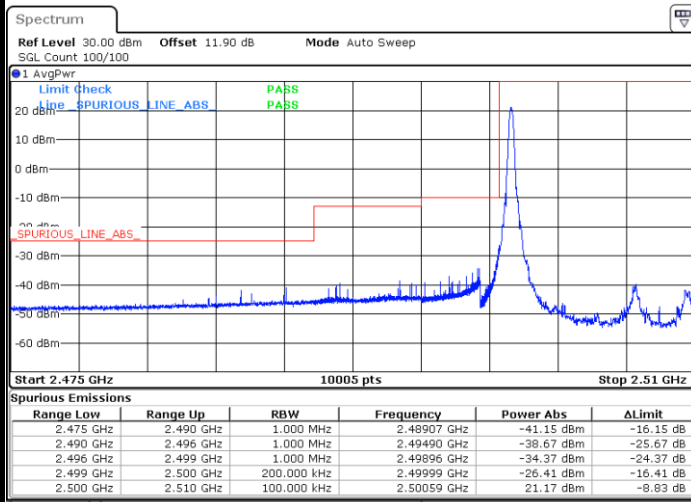
Highest Band Edge / Full RB



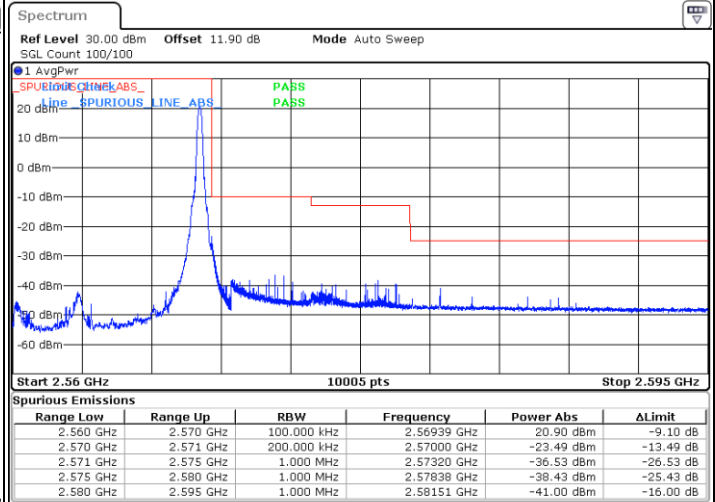


LTE Band 7 / 10MHz / QPSK

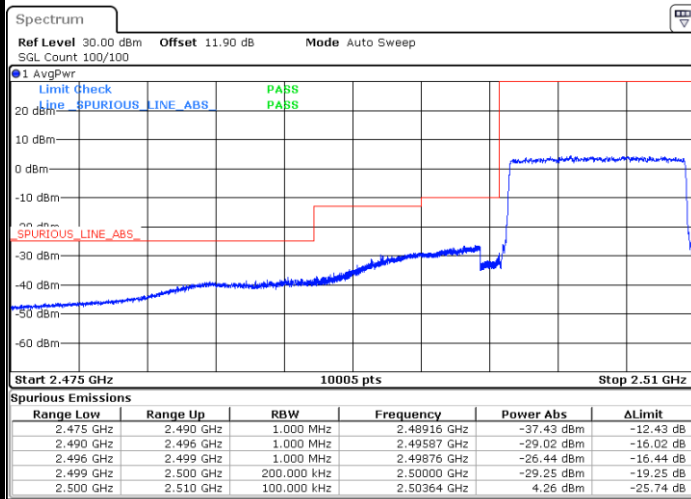
Lowest Band Edge / 1 RB



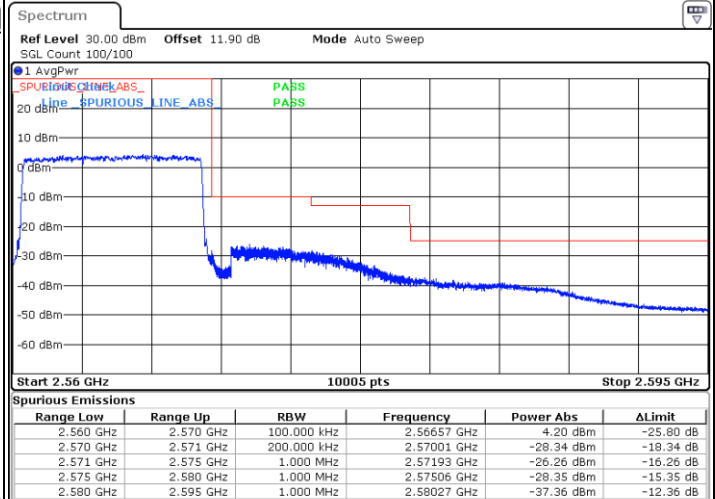
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



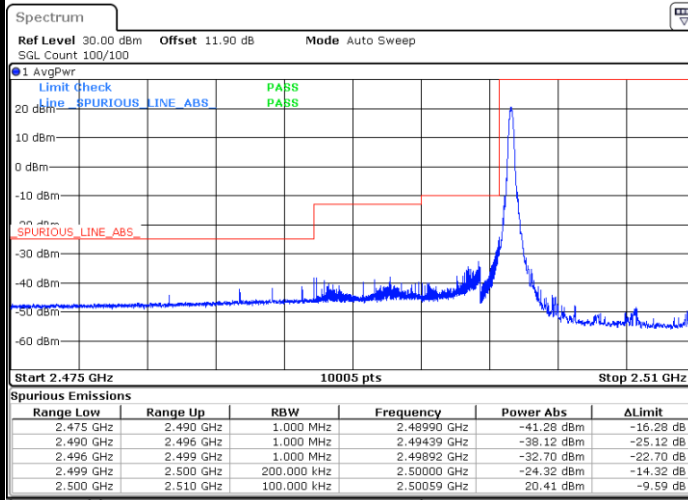
Highest Band Edge / Full RB



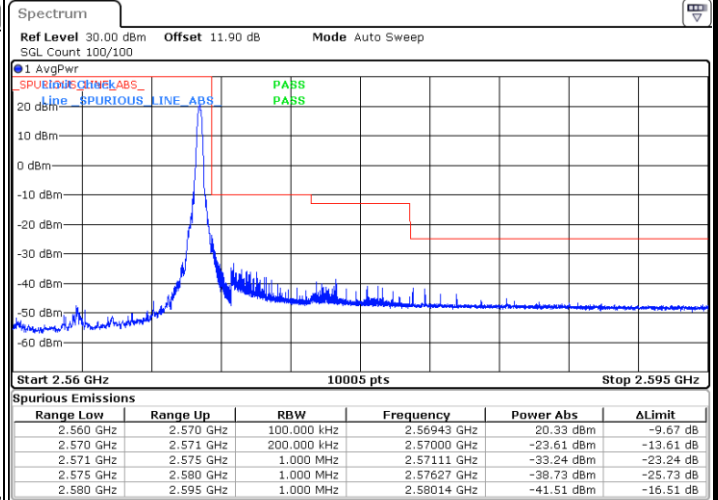


LTE Band 7 / 10MHz / 16QAM

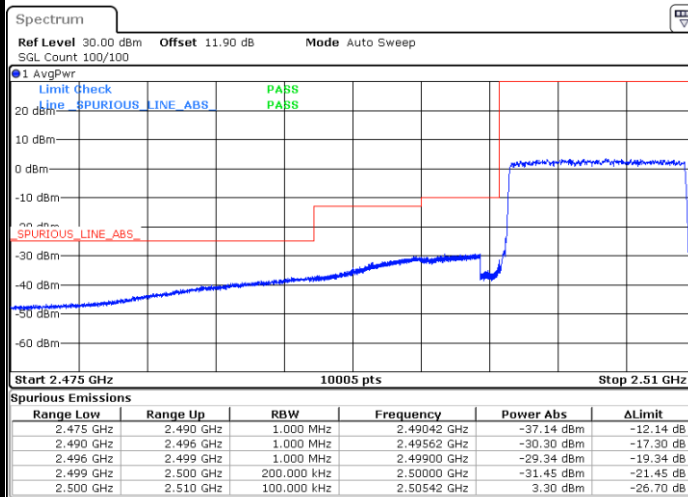
Lowest Band Edge / 1 RB



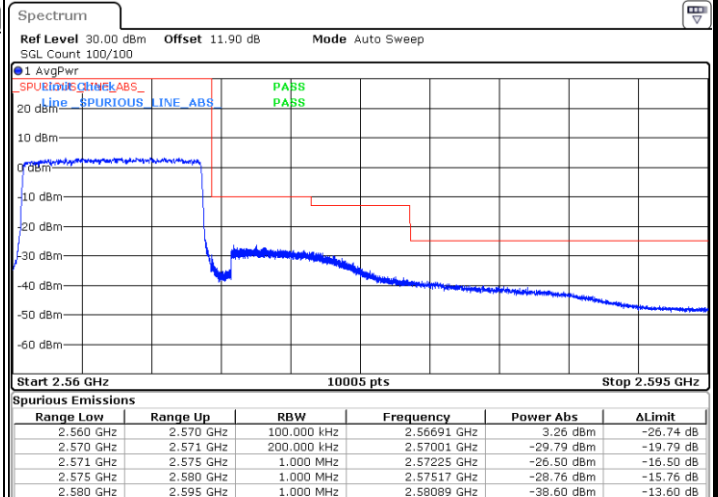
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



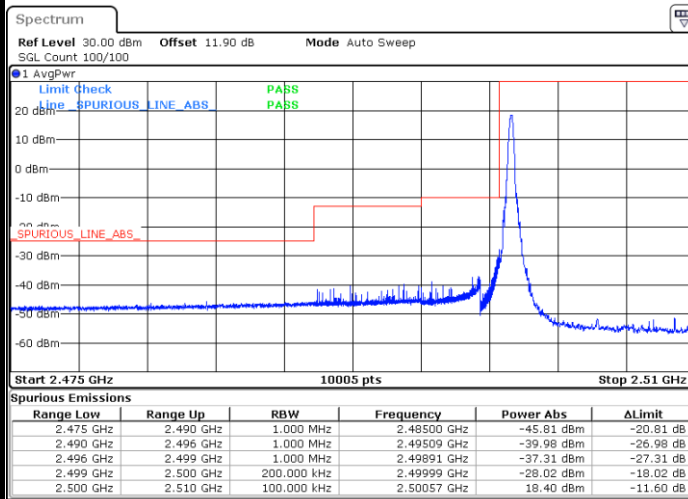
Highest Band Edge / Full RB



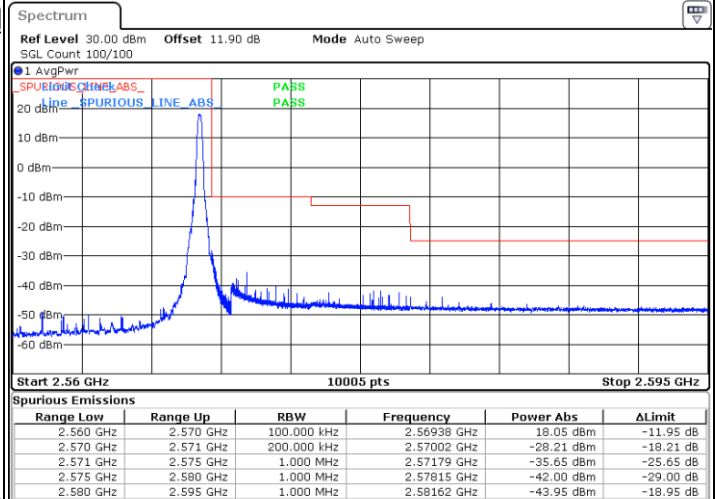


LTE Band 7 / 10MHz / 64QAM

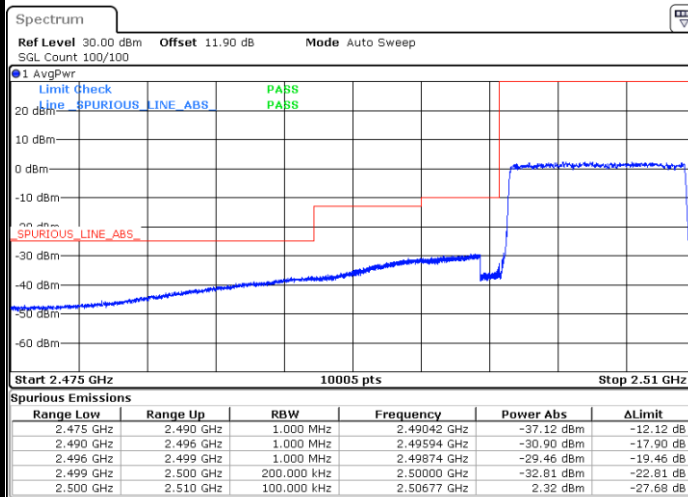
Lowest Band Edge / 1 RB



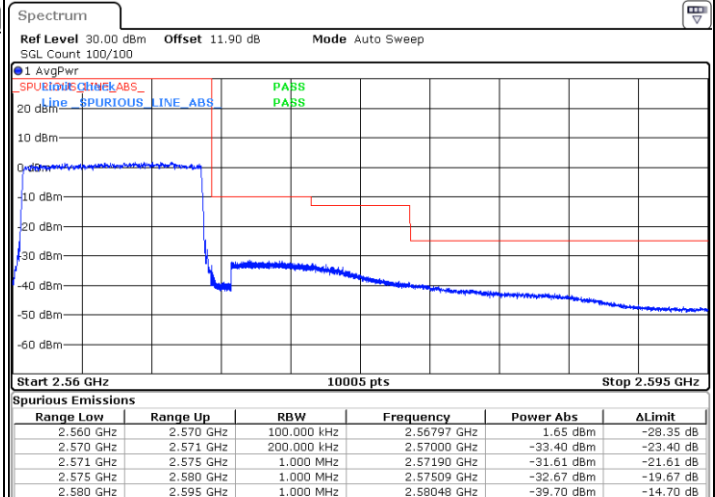
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



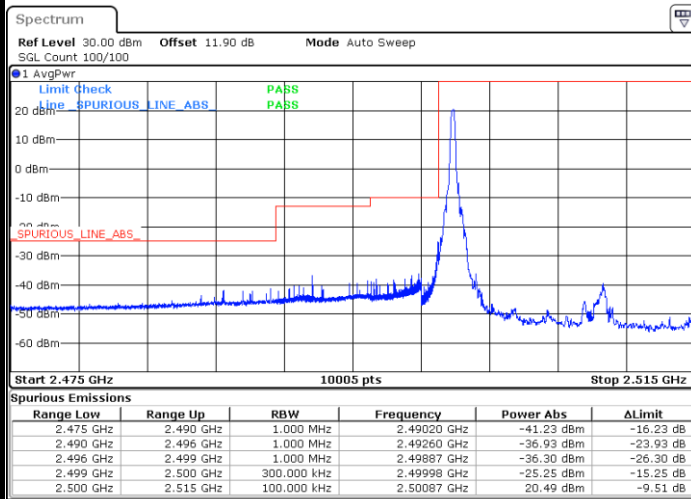
Highest Band Edge / Full RB



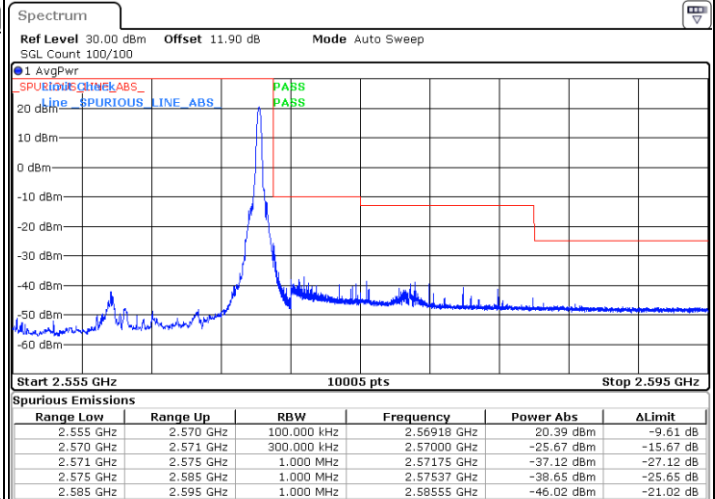


LTE Band 7 / 15MHz / QPSK

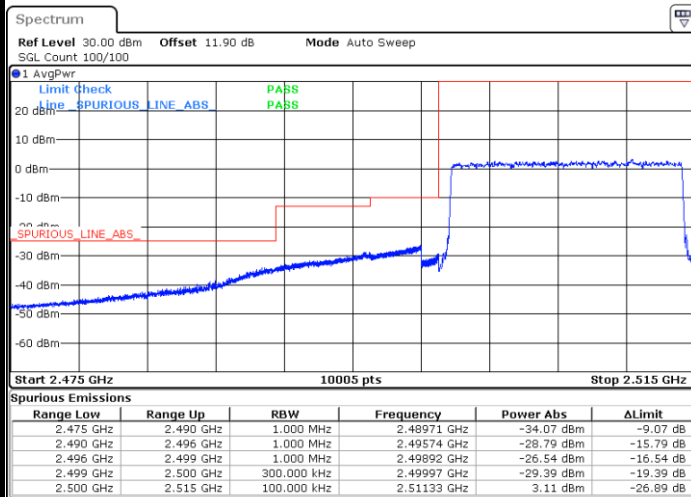
Lowest Band Edge / 1 RB



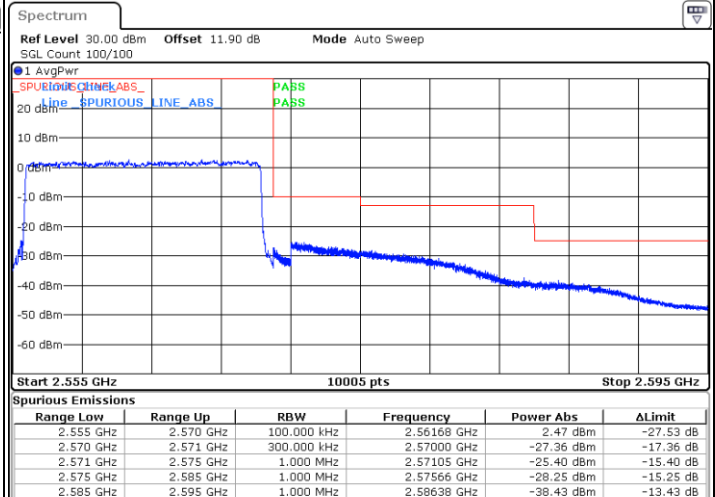
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



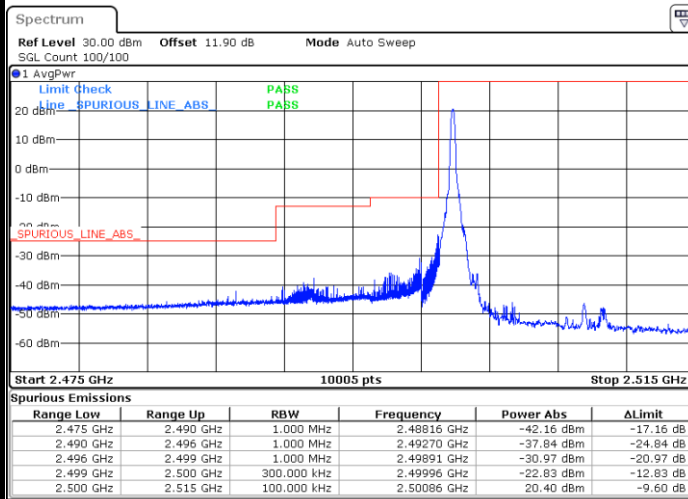
Highest Band Edge / Full RB



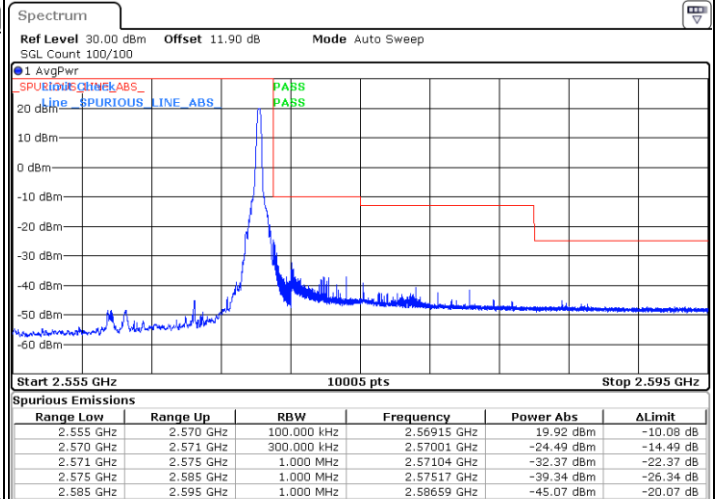


LTE Band 7 / 15MHz / 16QAM

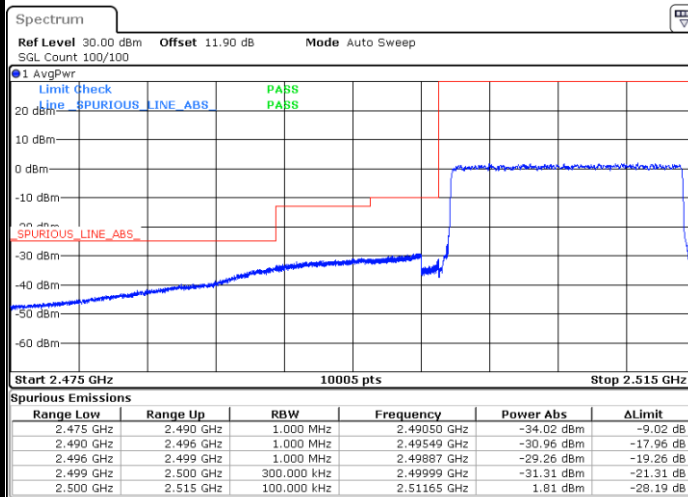
Lowest Band Edge / 1 RB



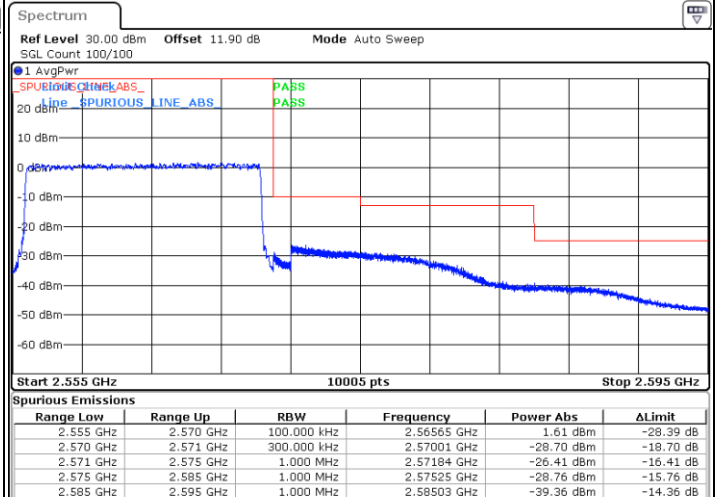
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



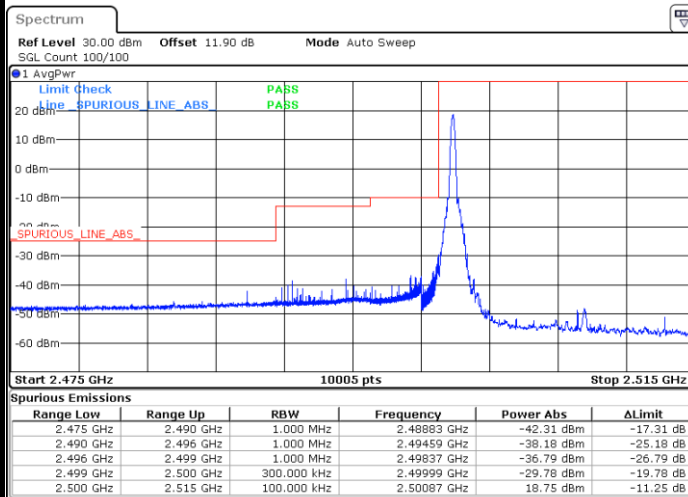
Highest Band Edge / Full RB



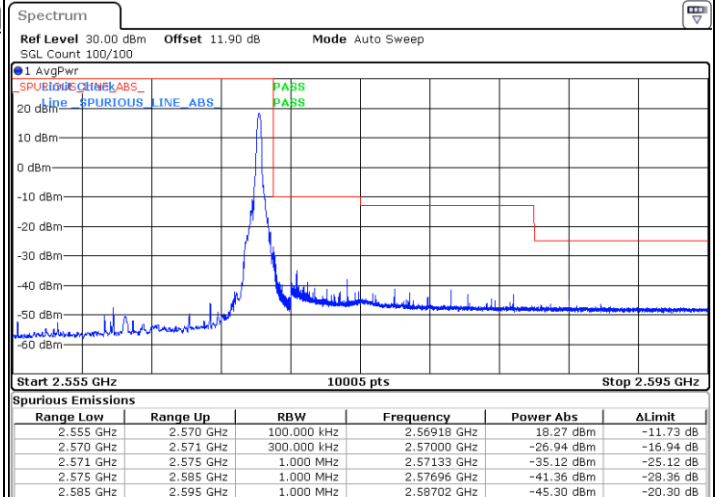


LTE Band 7 / 15MHz / 64QAM

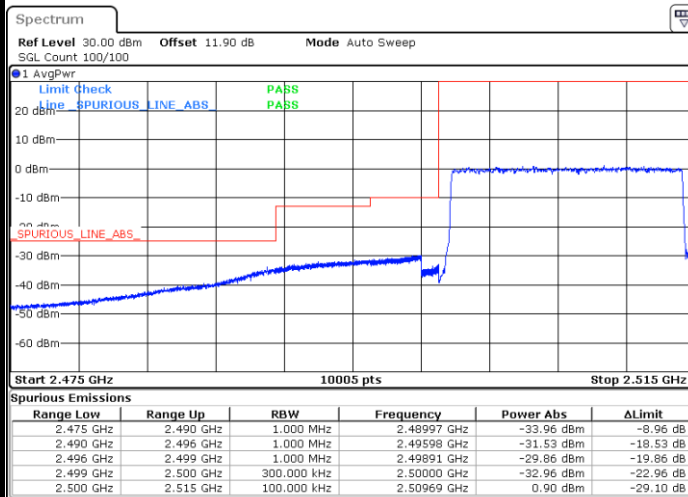
Lowest Band Edge / 1 RB



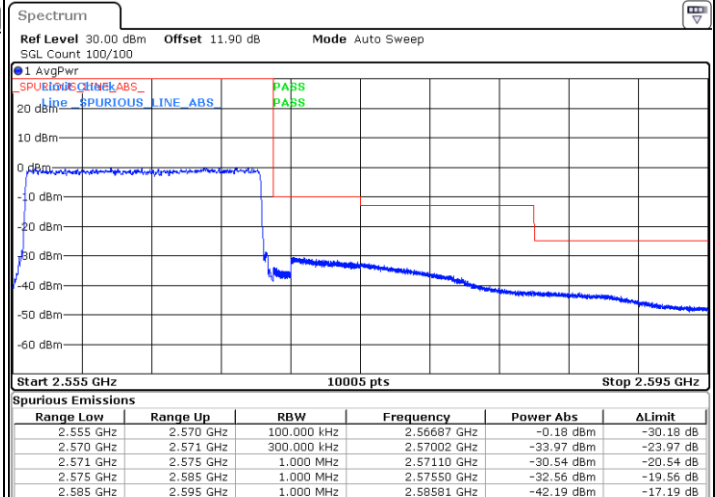
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



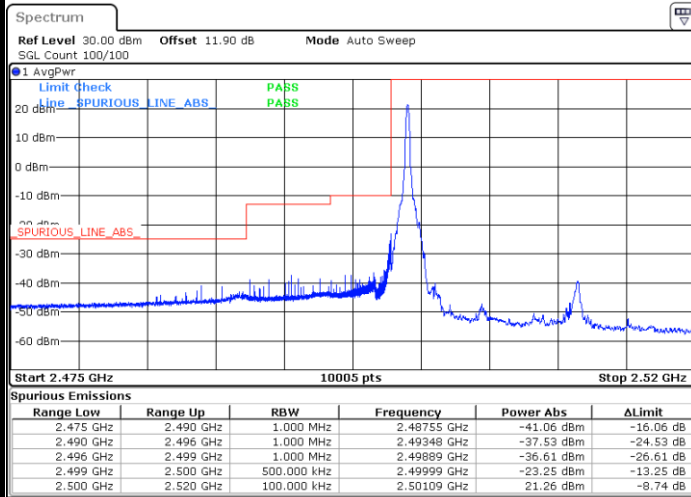
Highest Band Edge / Full RB



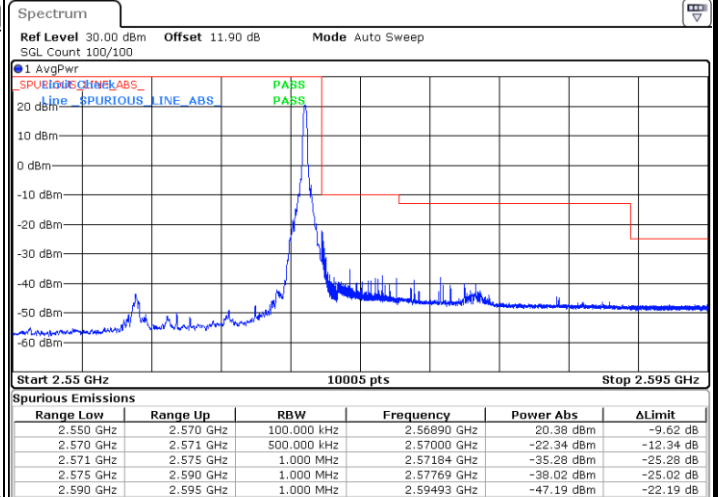


LTE Band 7 / 20MHz / QPSK

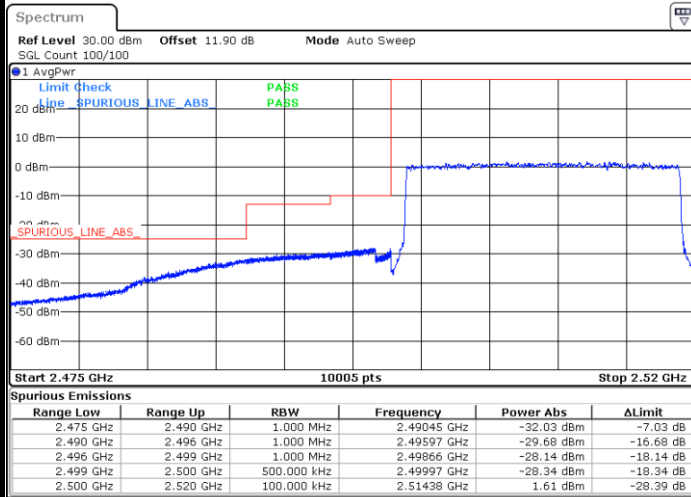
Lowest Band Edge / 1 RB



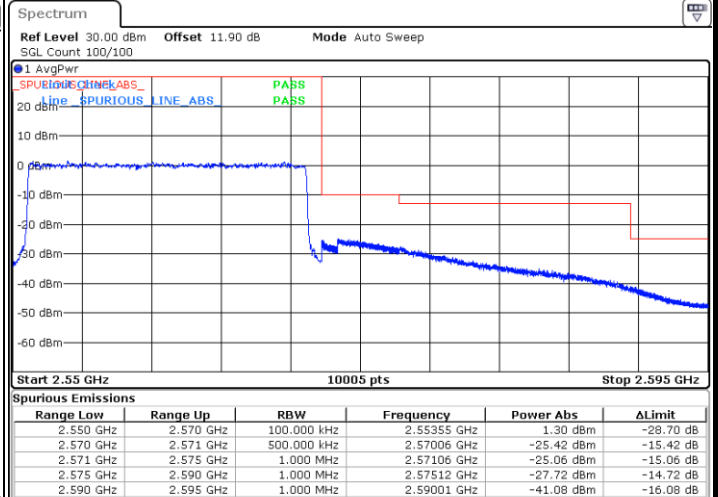
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



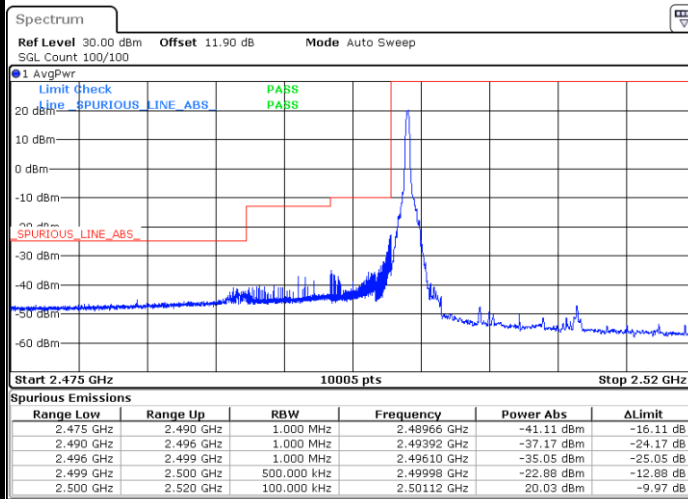
Highest Band Edge / Full RB



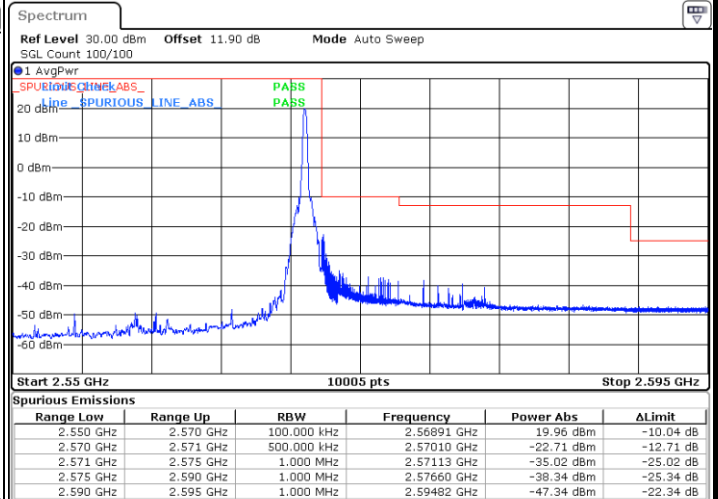


LTE Band 7 / 20MHz / 16QAM

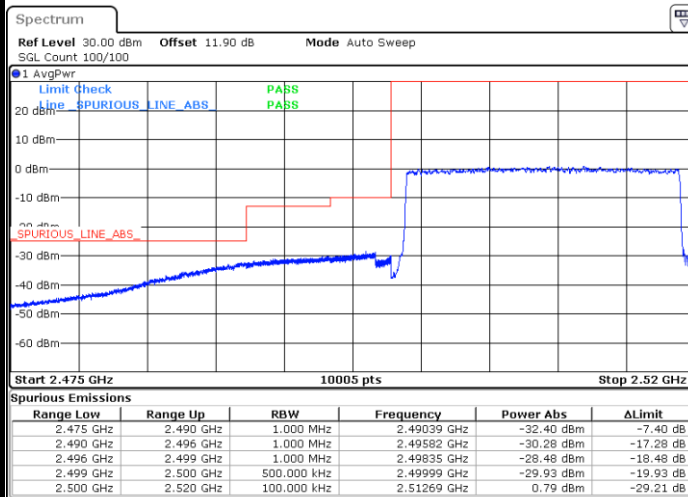
Lowest Band Edge / 1 RB



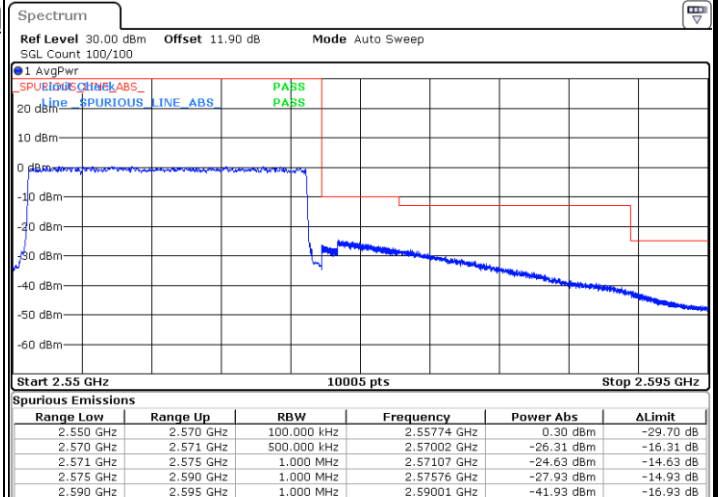
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



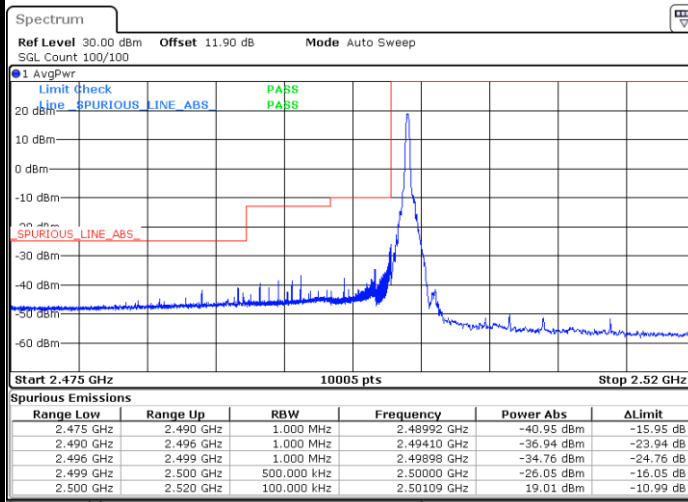
Highest Band Edge / Full RB



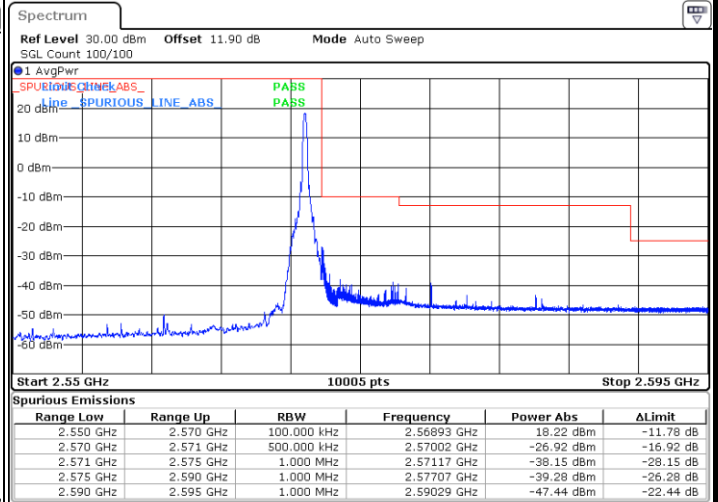


LTE Band 7 / 20MHz / 64QAM

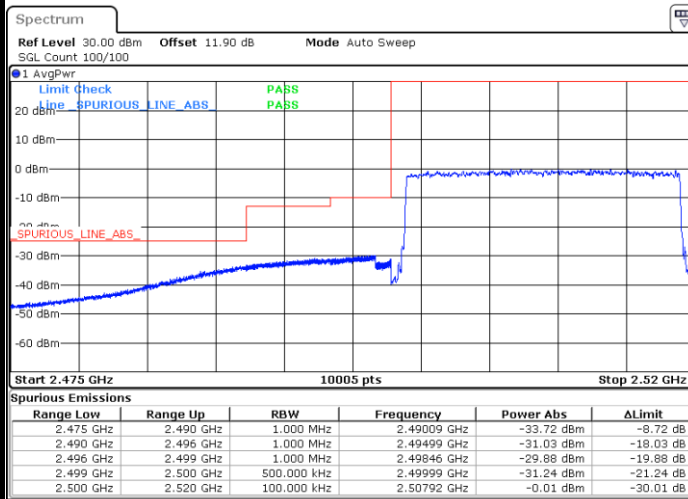
Lowest Band Edge / 1 RB



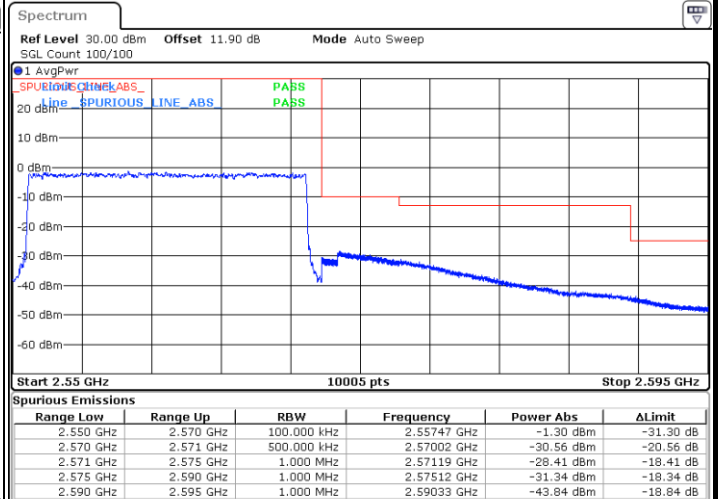
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

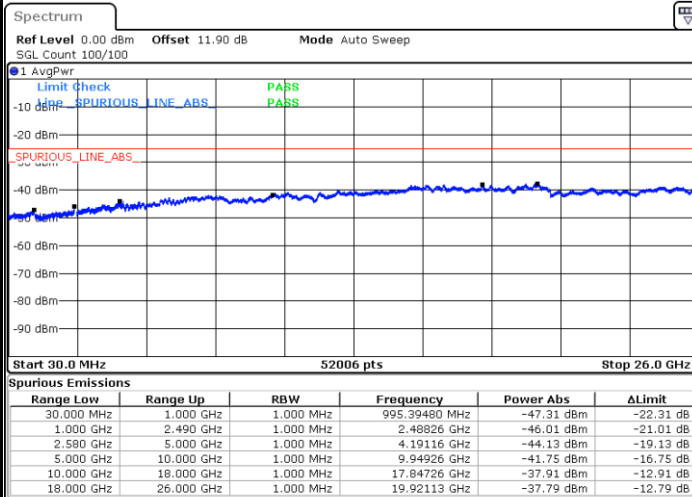




Conducted Spurious Emission

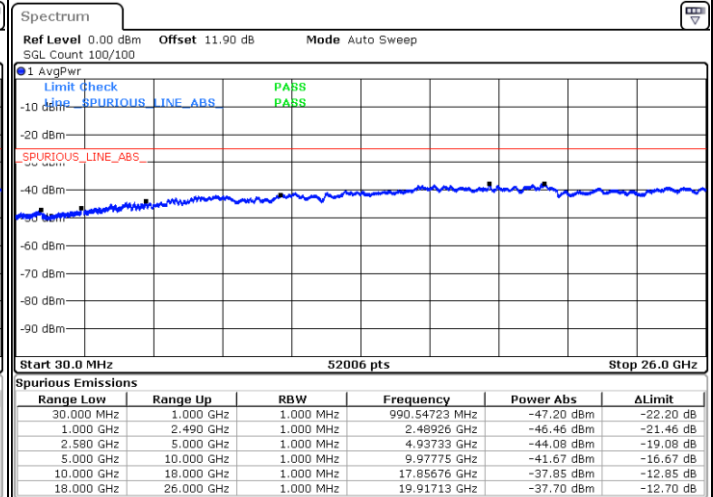
LTE Band 7 / 5MHz

Lowest Channel / QPSK



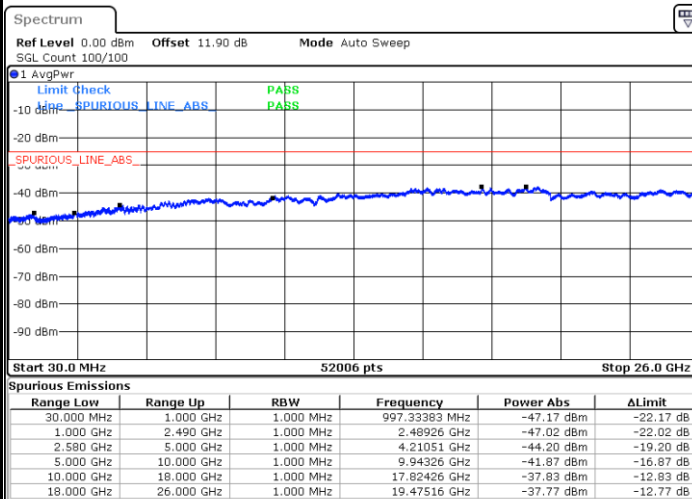
Date: 19 FEB 2020 07:26:02

Lowest Channel / 16QAM



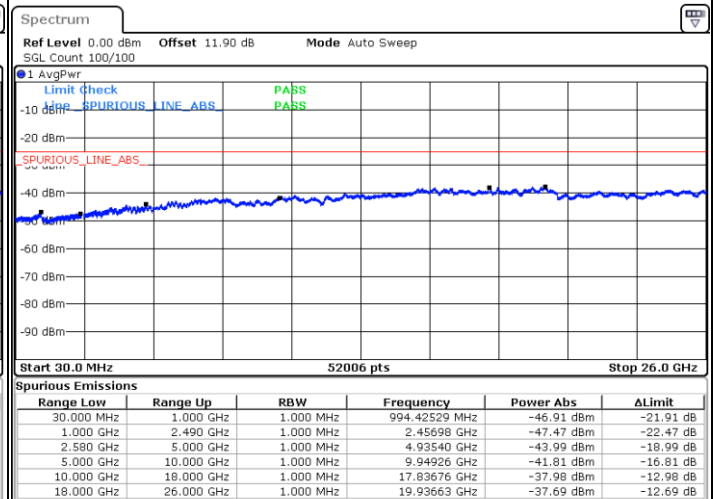
Date: 19 FEB 2020 07:26:46

Middle Channel / QPSK



Date: 19 FEB 2020 07:28:15

Middle Channel / 16QAM

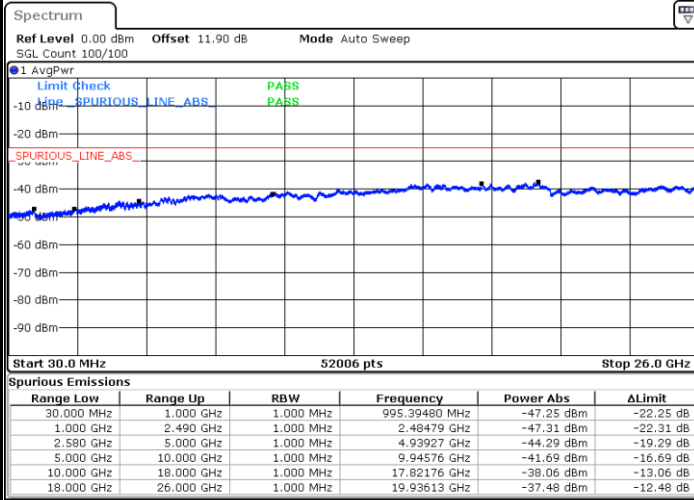


Date: 19 FEB 2020 07:28:58



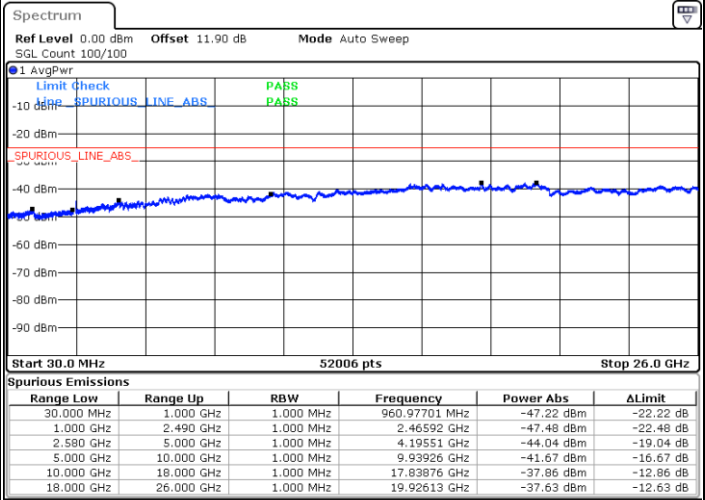
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 19 FEB 2020 07:35:13

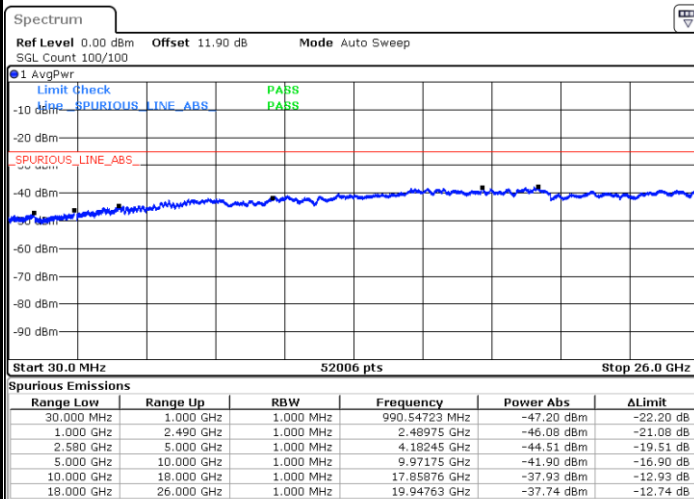
Highest Channel / 16QAM



Date: 19 FEB 2020 07:35:57

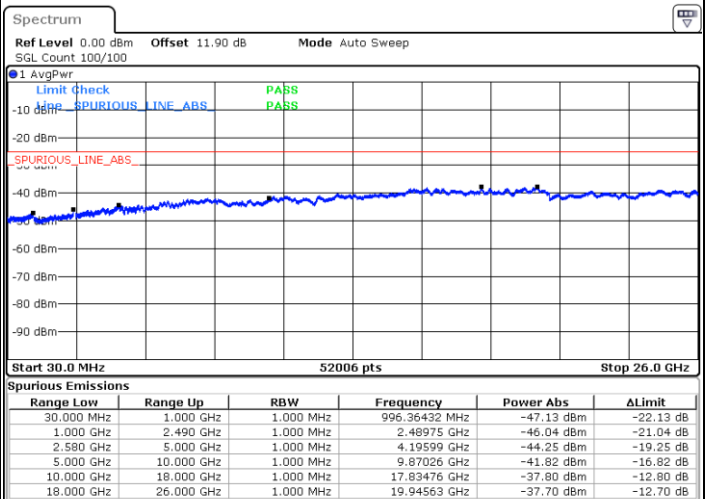
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 19 FEB 2020 19:14:47

Lowest Channel / 16QAM

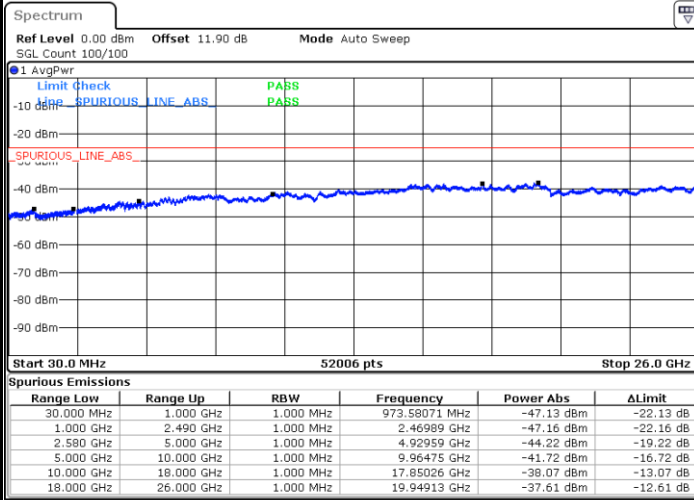


Date: 19 FEB 2020 19:15:30



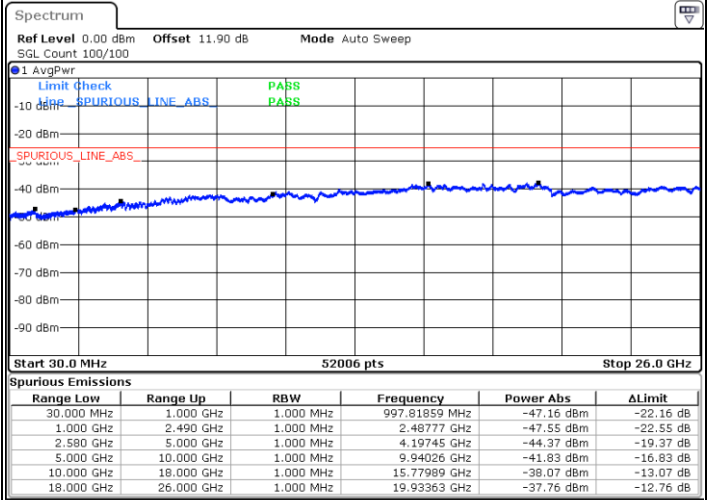
LTE Band 7 / 10MHz

Middle Channel / QPSK



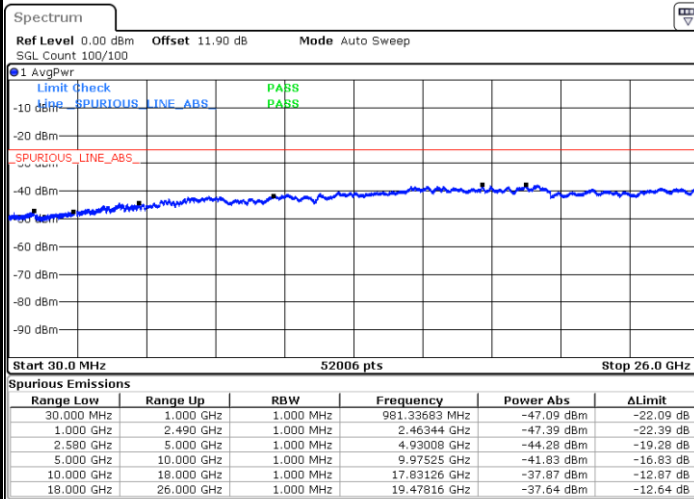
Date: 19 FEB 2020 19:17:00

Middle Channel / 16QAM



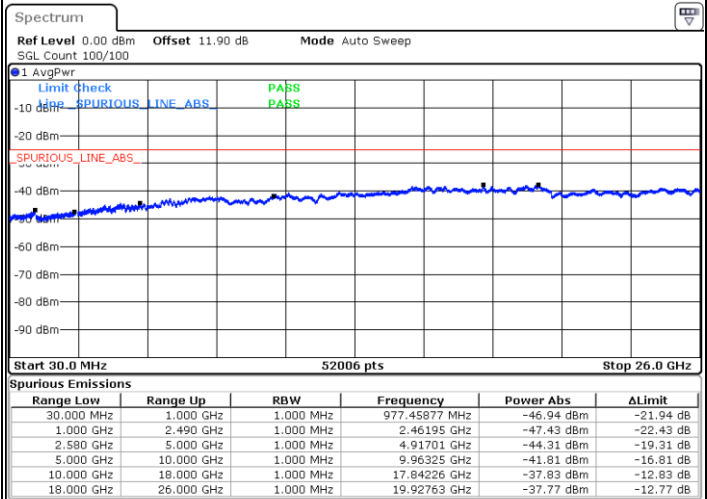
Date: 19 FEB 2020 19:17:43

Highest Channel / QPSK



Date: 19 FEB 2020 19:22:01

Highest Channel / 16QAM

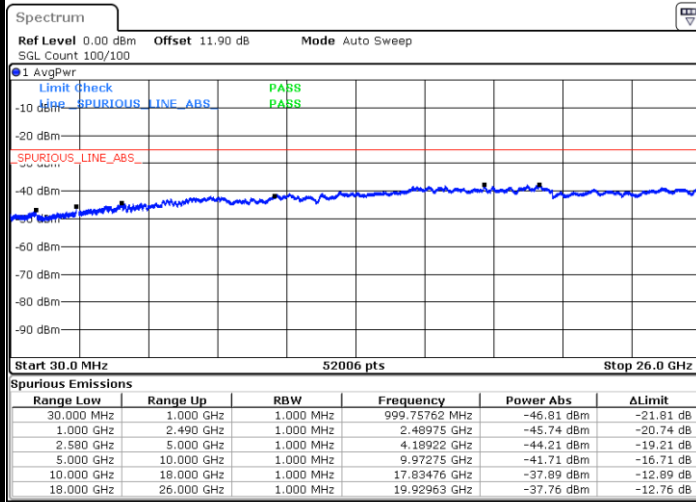


Date: 19 FEB 2020 19:22:45



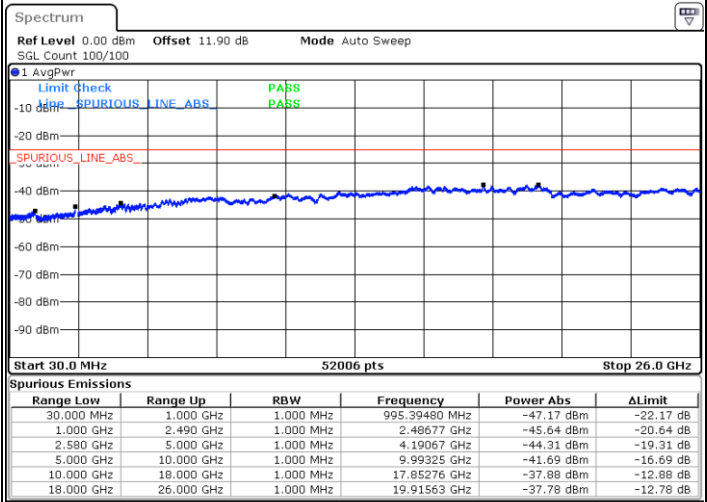
LTE Band 7 / 15MHz

Lowest Channel / QPSK



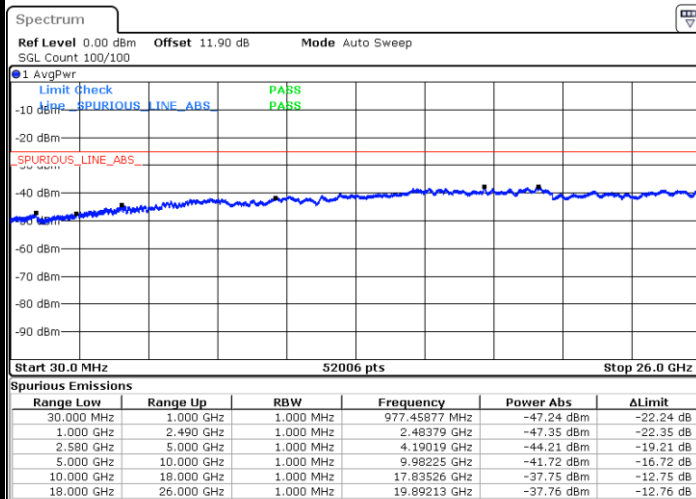
Date: 19 FEB 2020 19:33:12

Lowest Channel / 16QAM



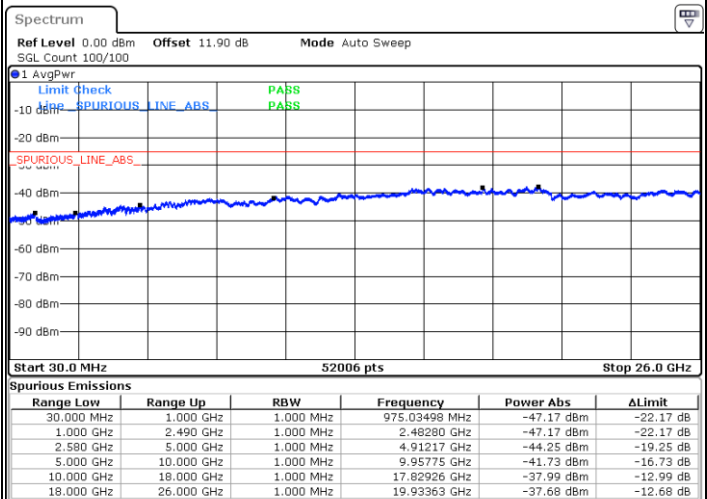
Date: 19 FEB 2020 19:33:56

Middle Channel / QPSK



Date: 19 FEB 2020 19:35:27

Middle Channel / 16QAM

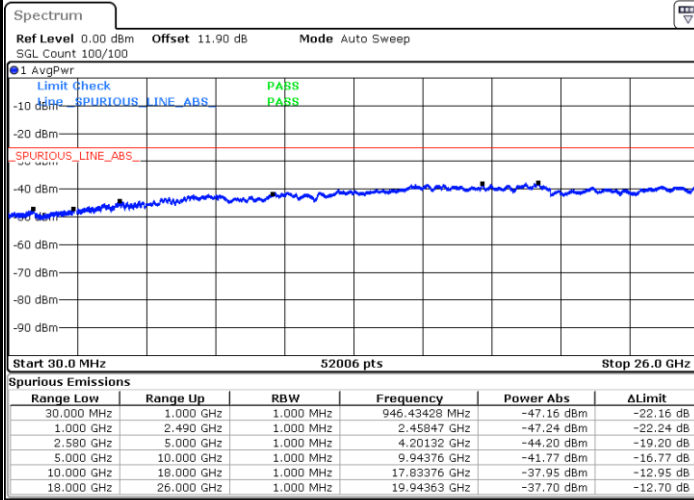


Date: 19 FEB 2020 19:36:09



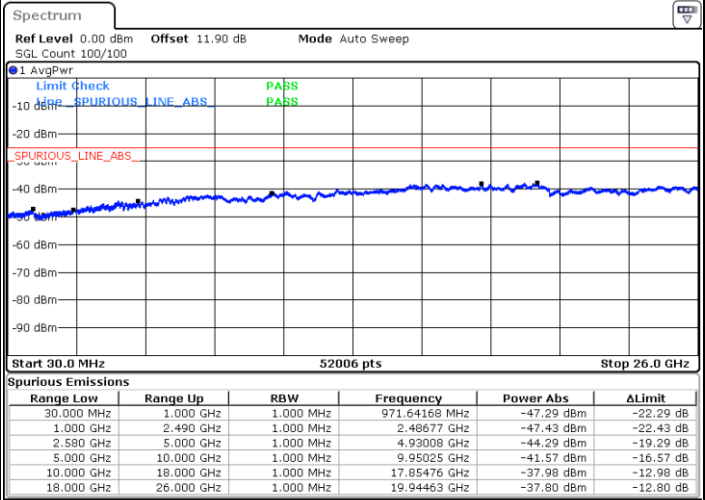
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 19 FEB 2020 19:40:27

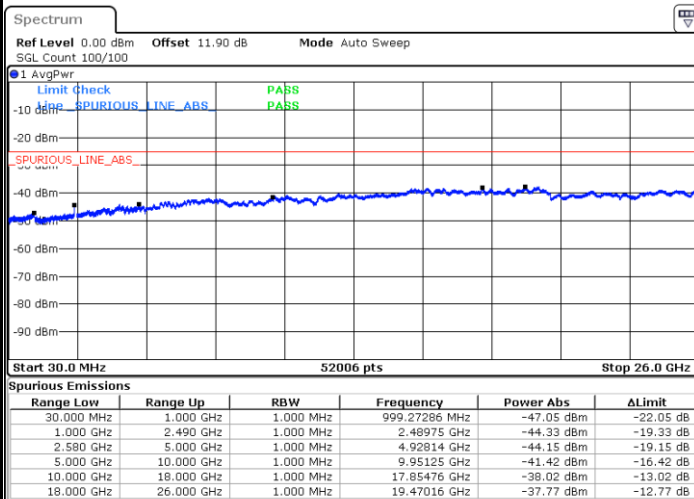
Highest Channel / 16QAM



Date: 19 FEB 2020 19:41:11

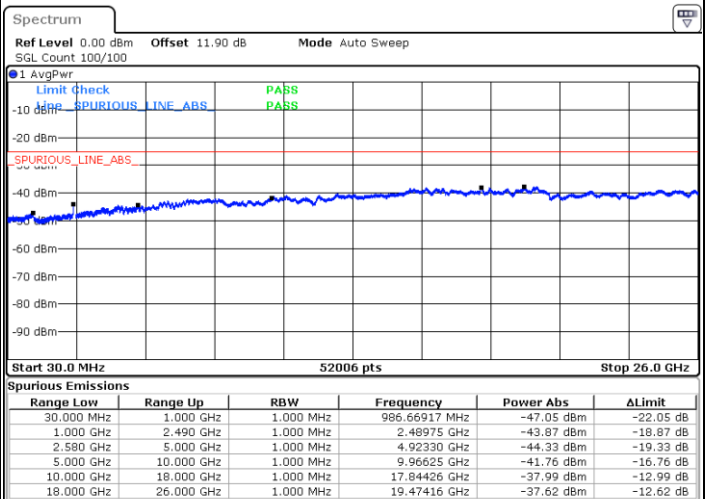
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 19 FEB 2020 19:51:39

Lowest Channel / 16QAM

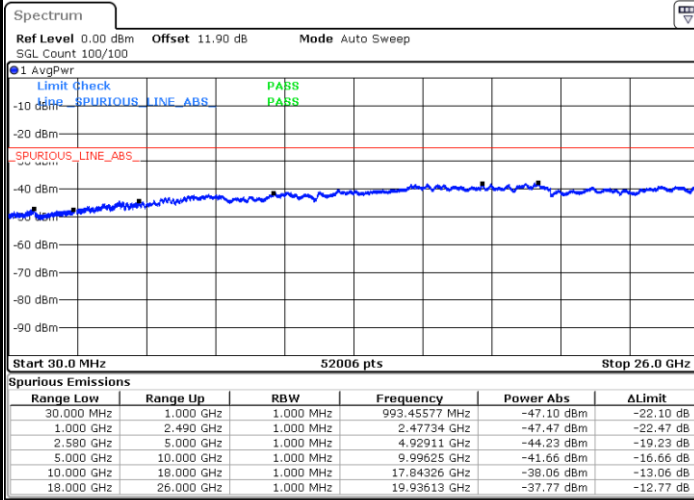


Date: 19 FEB 2020 19:52:23



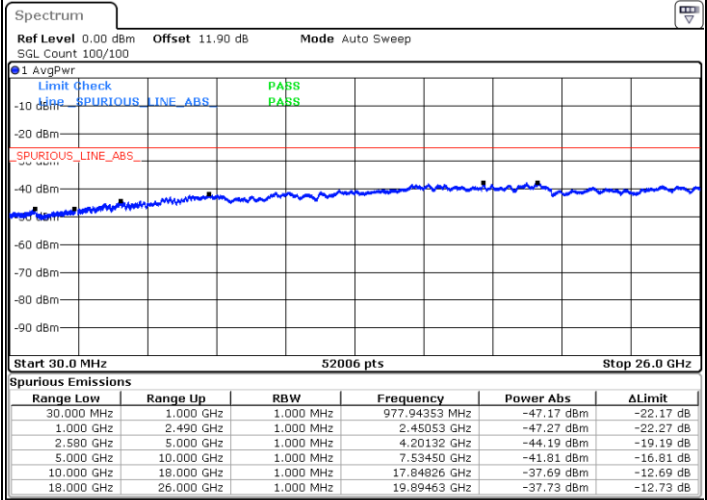
LTE Band 7 / 20MHz

Middle Channel / QPSK



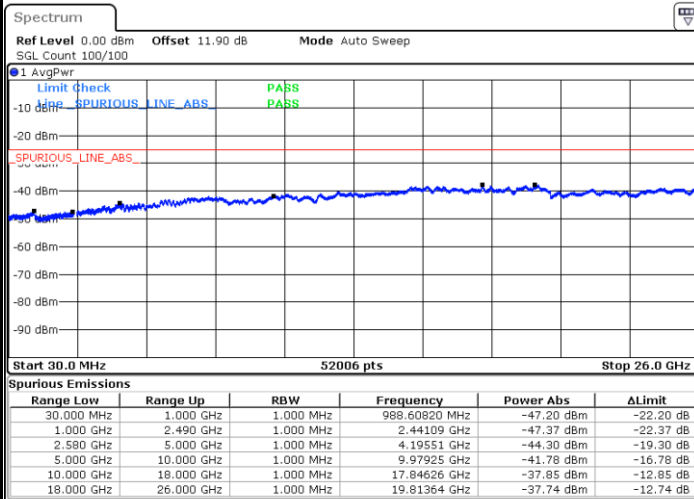
Date: 19 FEB 2020 19:53:53

Middle Channel / 16QAM



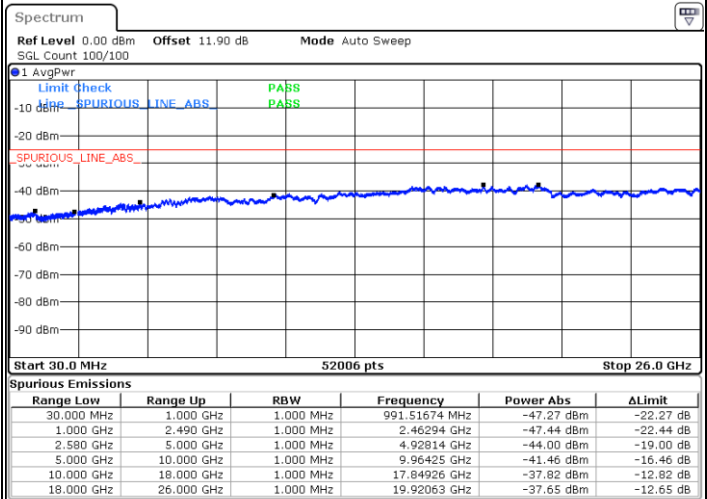
Date: 19 FEB 2020 19:54:35

Highest Channel / QPSK



Date: 19 FEB 2020 19:58:53

Highest Channel / 16QAM

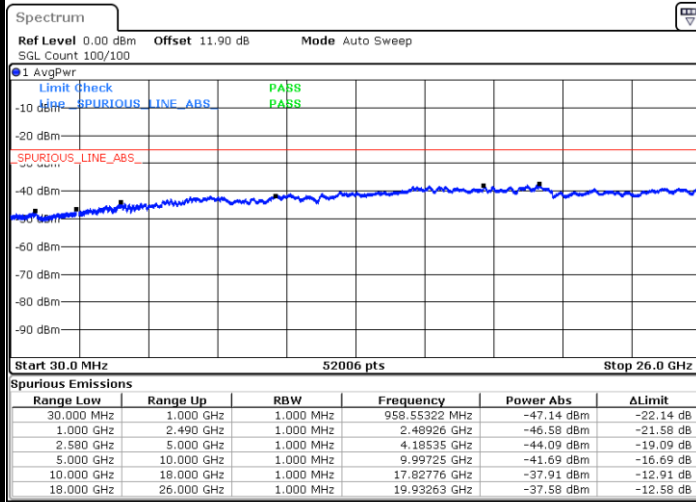


Date: 19 FEB 2020 19:59:37



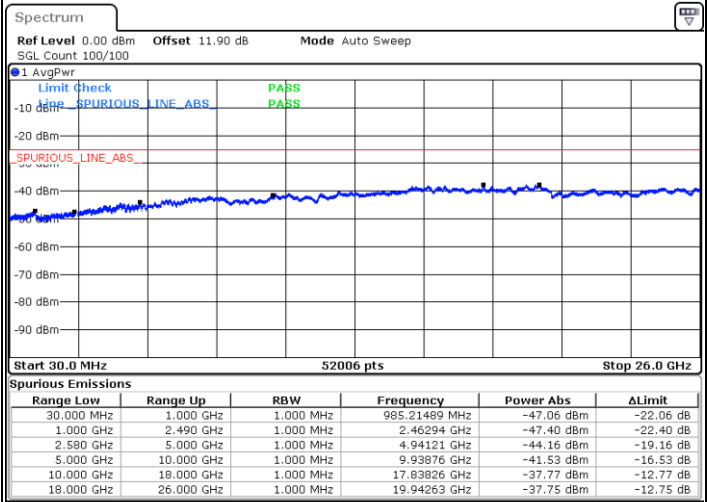
LTE Band 7 / 5MHz

Lowest Channel / 64QAM



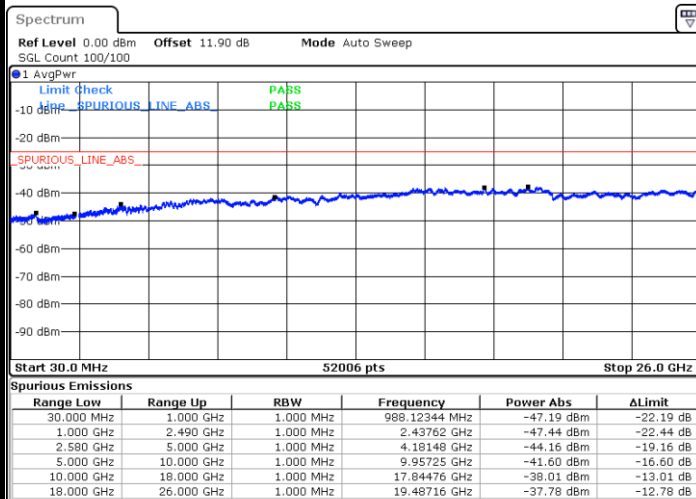
Date: 19 FEB 2020 07:38:28

Middle Channel / 64QAM



Date: 19 FEB 2020 07:39:34

Highest Channel / 64QAM

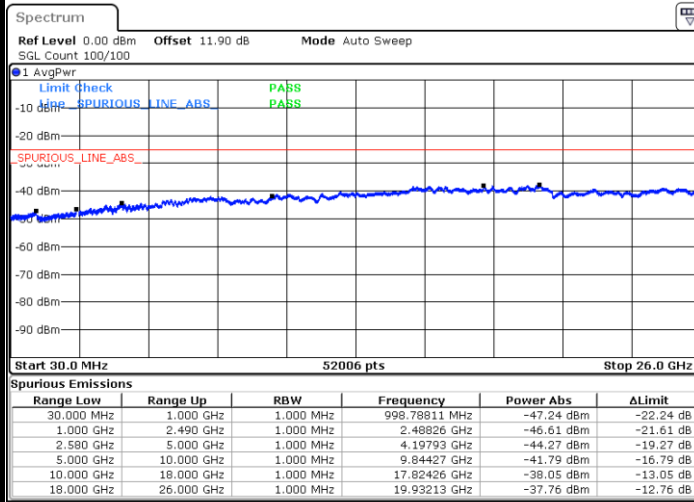


Date: 19 FEB 2020 07:42:04



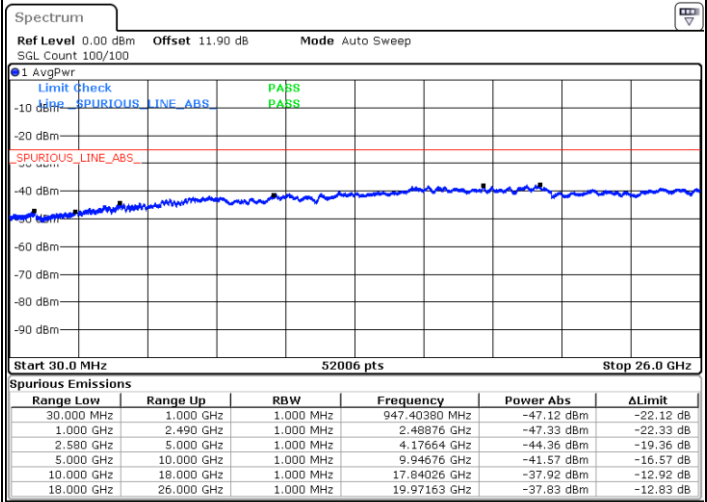
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



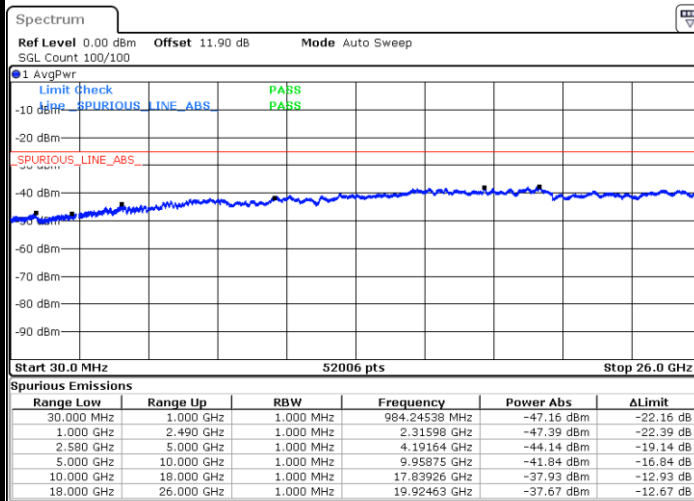
Date: 19 FEB 2020 19:25:16

Middle Channel / 64QAM



Date: 19 FEB 2020 19:26:22

Highest Channel / 64QAM

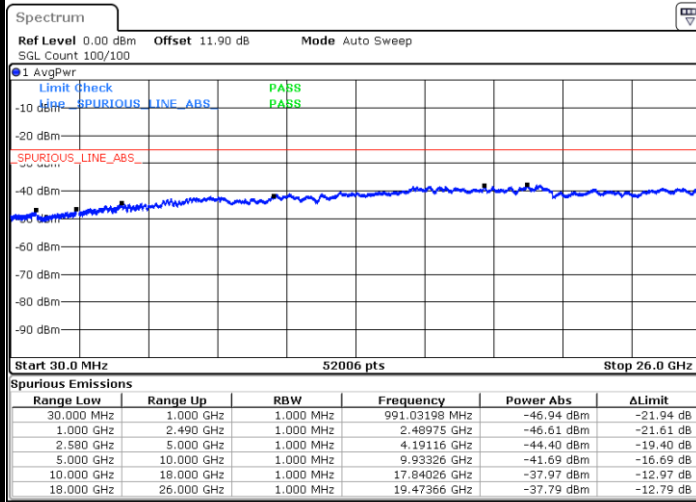


Date: 19 FEB 2020 19:28:52



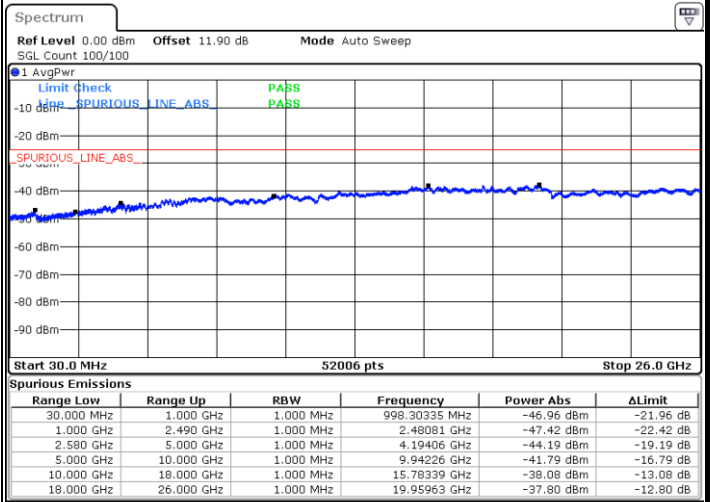
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



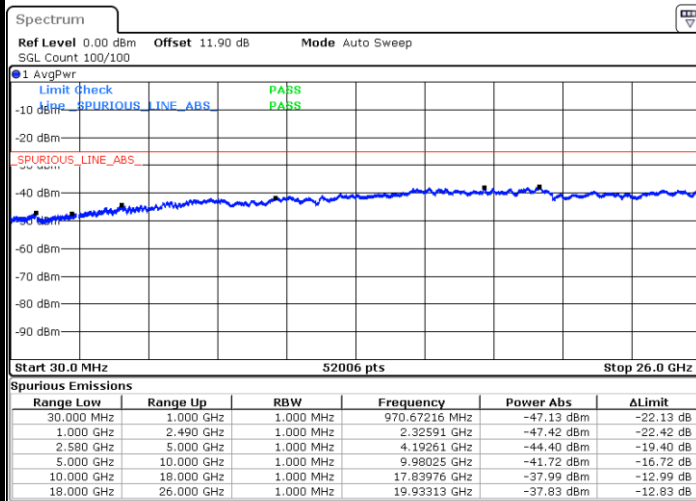
Date: 19 FEB 2020 19:43:42

Middle Channel / 64QAM



Date: 19 FEB 2020 19:44:49

Highest Channel / 64QAM

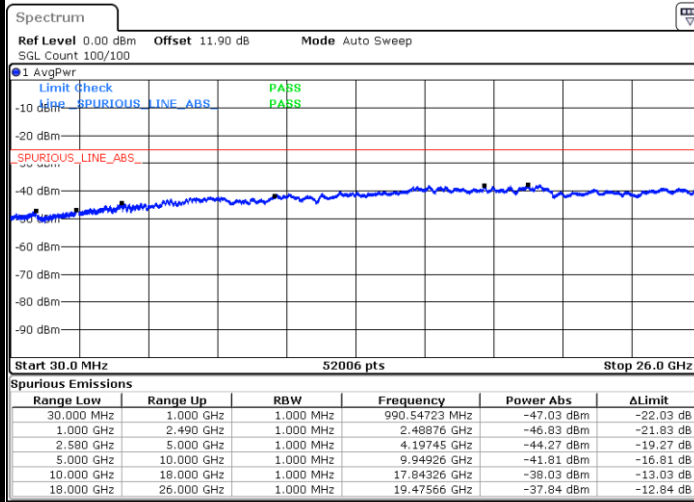


Date: 19 FEB 2020 19:47:20



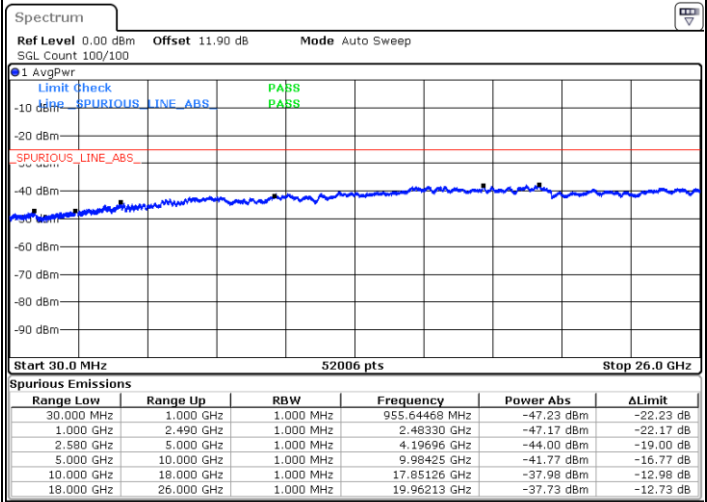
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



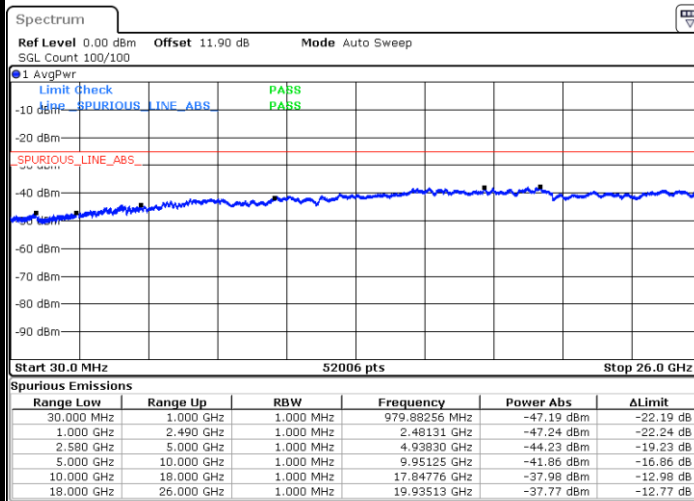
Date: 19 FEB 2020 20:02:07

Middle Channel / 64QAM



Date: 19 FEB 2020 20:03:14

Highest Channel / 64QAM



Date: 19 FEB 2020 20:05:44

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	0.0054	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0050	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0047	
20	Maximum Voltage	0.0047	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

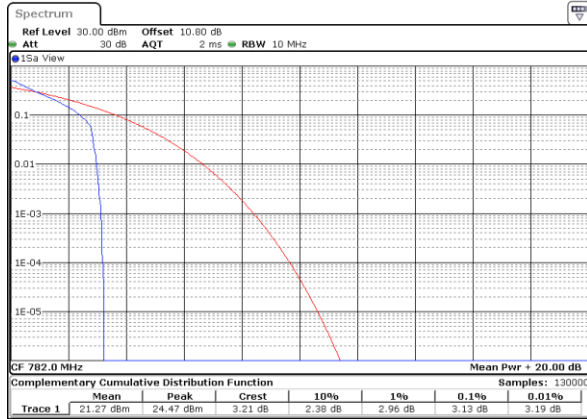
<Main Antenna>

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	3.13	4.78	4.58	5.68	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	5.13	6.14	-	-	
Highest CH	-	-	-	-	

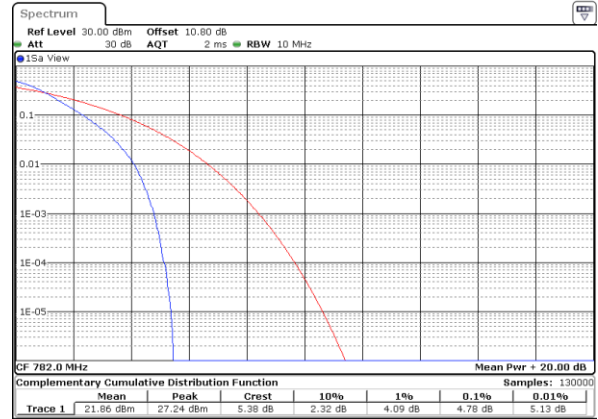
LTE Band 13 / 10MHz / QPSK

Middle Channel / 1RB



Date: 18 FEB 2020 06:44:49

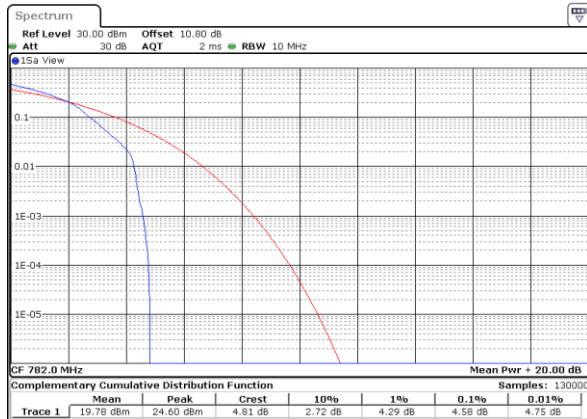
Middle Channel / Full RB



Date: 18 FEB 2020 06:45:14

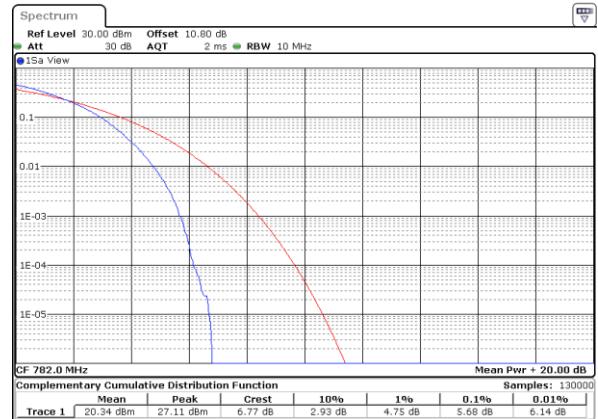
LTE Band 13 / 10MHz / 16QAM

Middle Channel / 1RB



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Middle Channel / Full RB



Date: 18 FEB 2020 06:44:37

LTE Band 13 / 10MHz / 64QAM

Middle Channel / 1RB



Date: 18 FEB 2020 06:44:04

Middle Channel / Full RB



Date: 18 FEB 2020 06:44:15

**26dB Bandwidth**

Mode	LTE Band 13 : 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	-	-	-	-	4.78	4.85	-	-	-	-	-	-
Middle CH	-	-	-	-	4.86	4.92	9.77	9.81	-	-	-	-
Highest CH	-	-	-	-	4.79	4.88	-	-	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.86	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.92	-	9.83	-	-	-	-	-
Highest CH	-	-	-	-	4.90	-	-	-	-	-	-	-