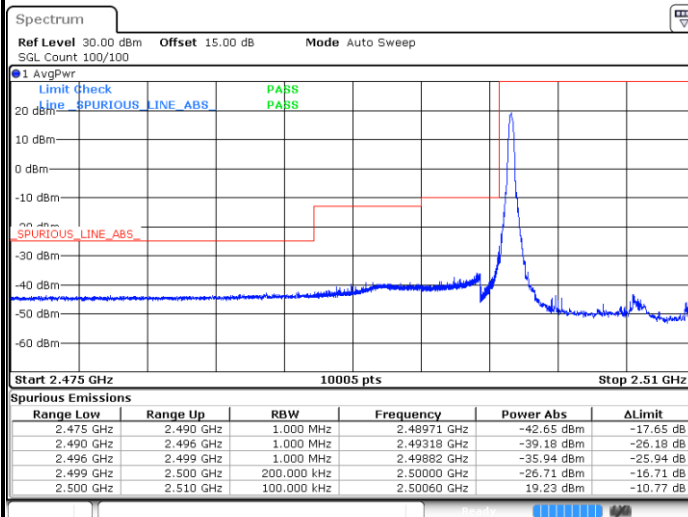


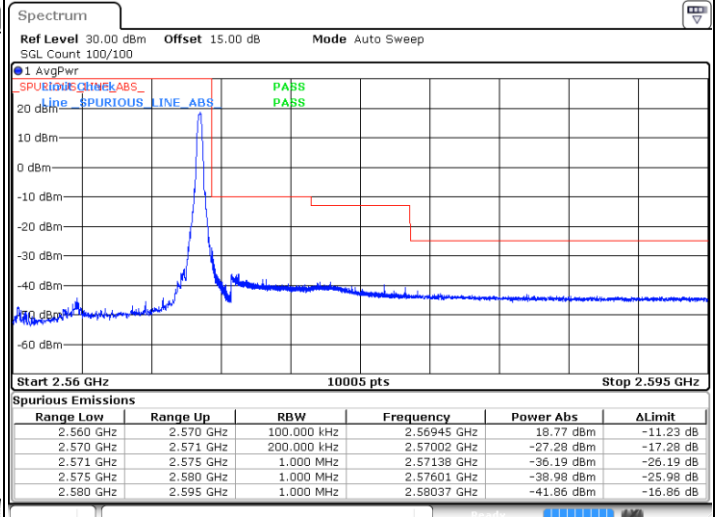


LTE Band 7 / 10MHz / 16QAM

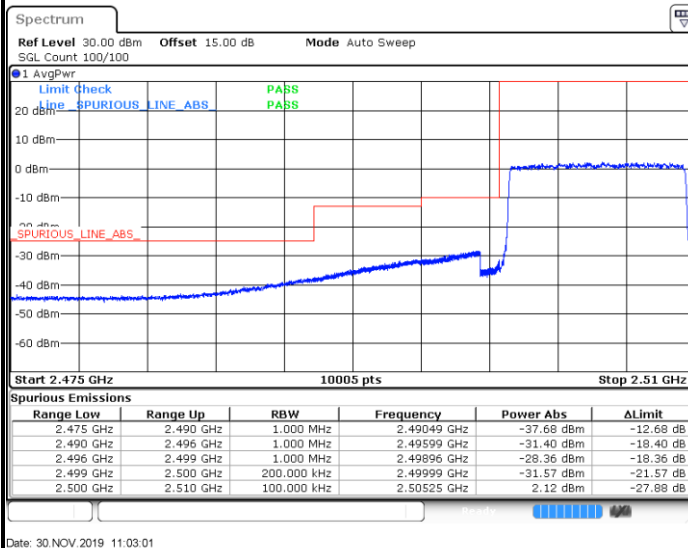
Lowest Band Edge / 1 RB



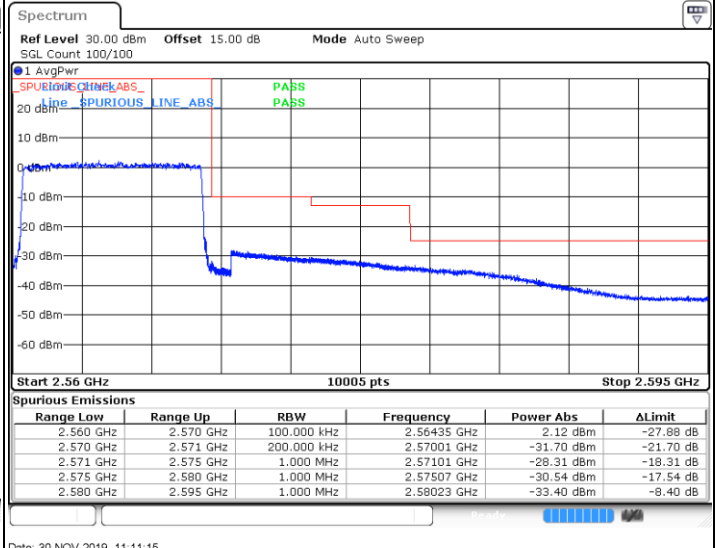
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



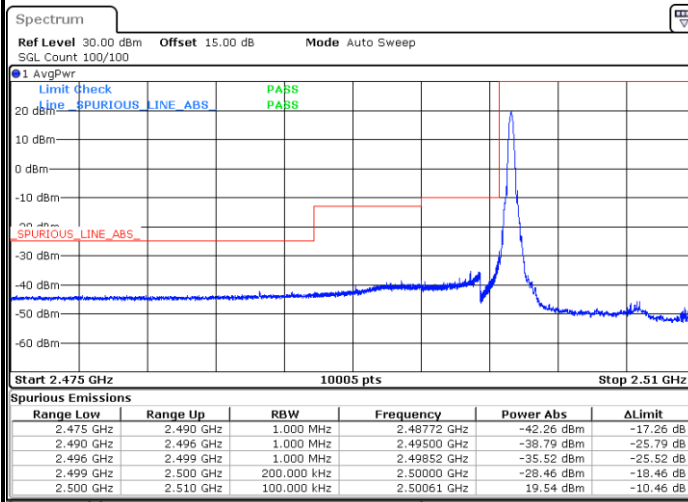
Highest Band Edge / Full RB



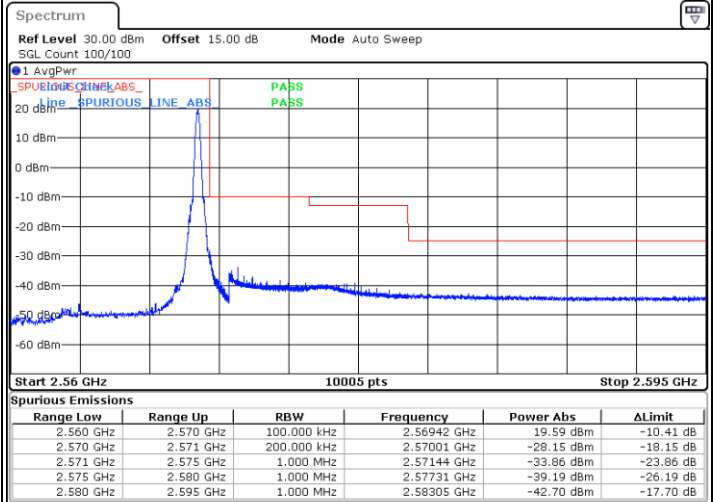


LTE Band 7 / 10MHz / 64QAM

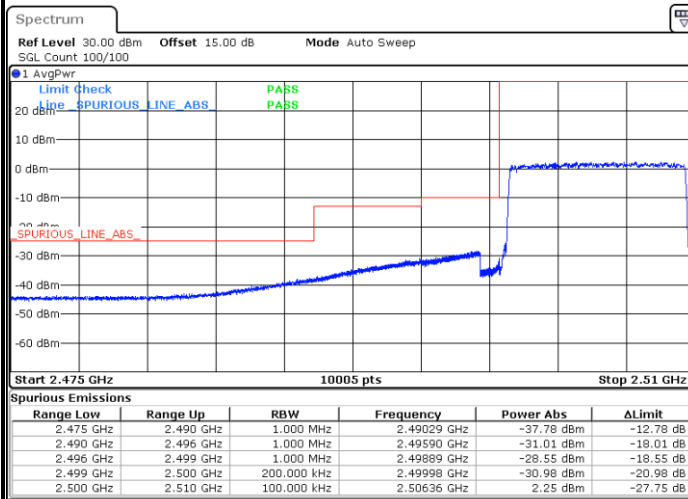
Lowest Band Edge / 1 RB



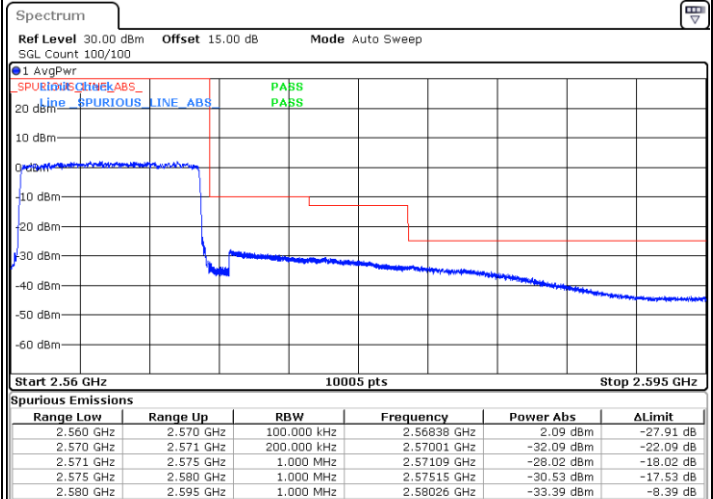
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



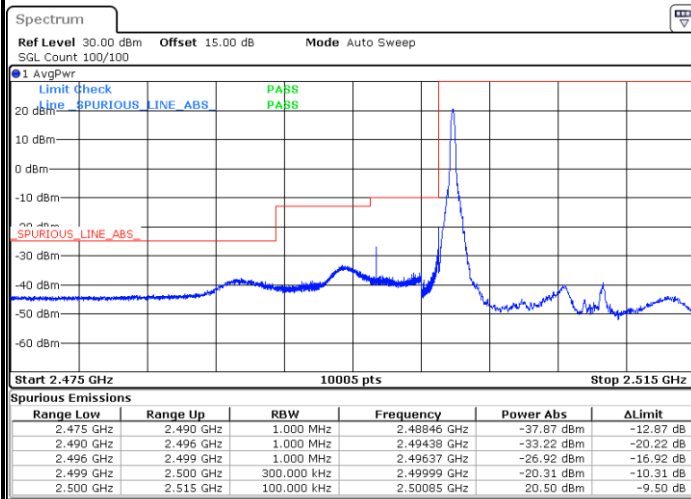
Highest Band Edge / Full RB



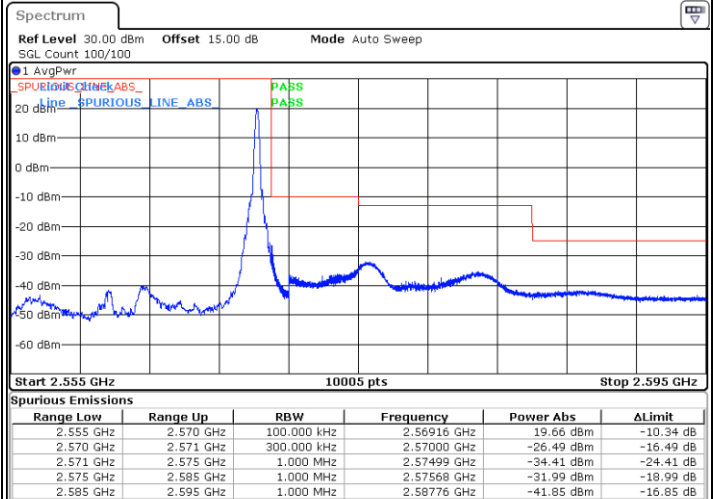


LTE Band 7 / 15MHz / QPSK

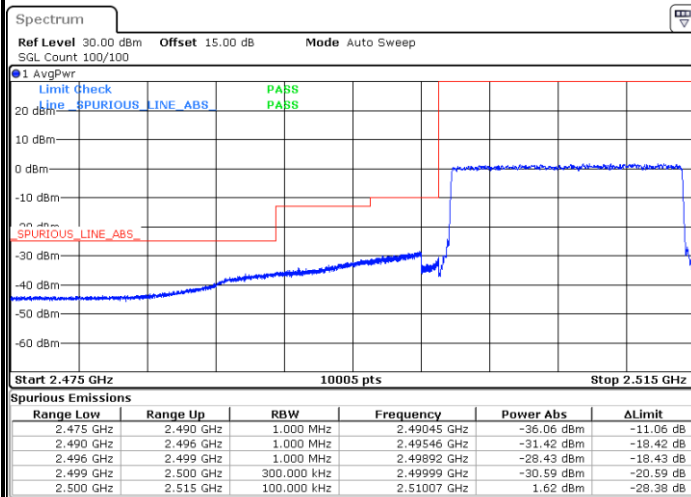
Lowest Band Edge / 1 RB



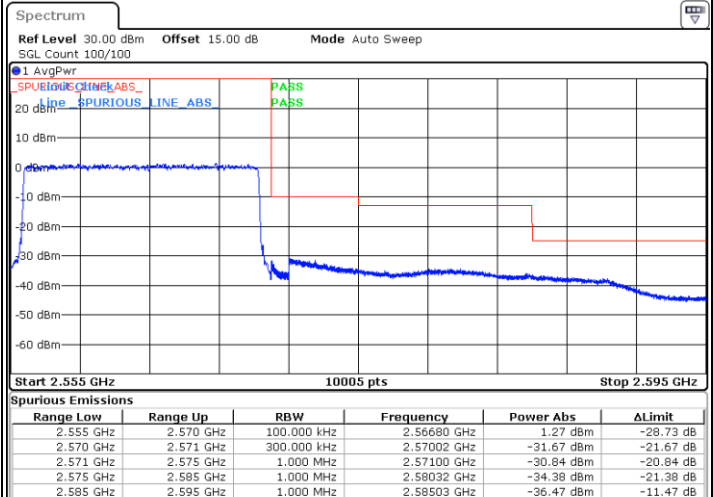
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



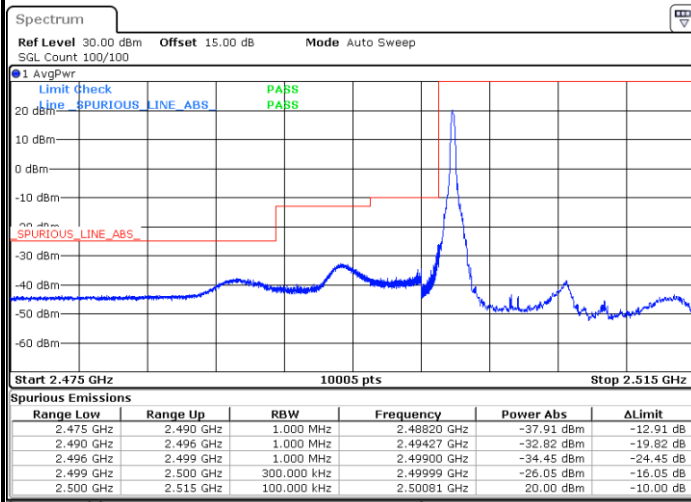
Highest Band Edge / Full RB



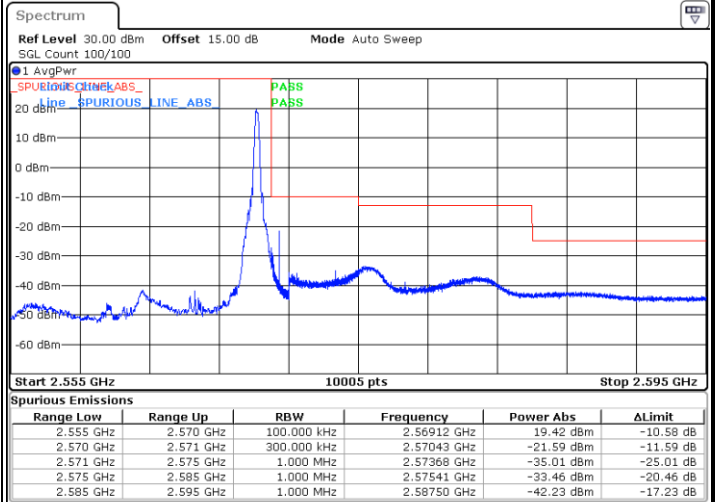


LTE Band 7 / 15MHz / 16QAM

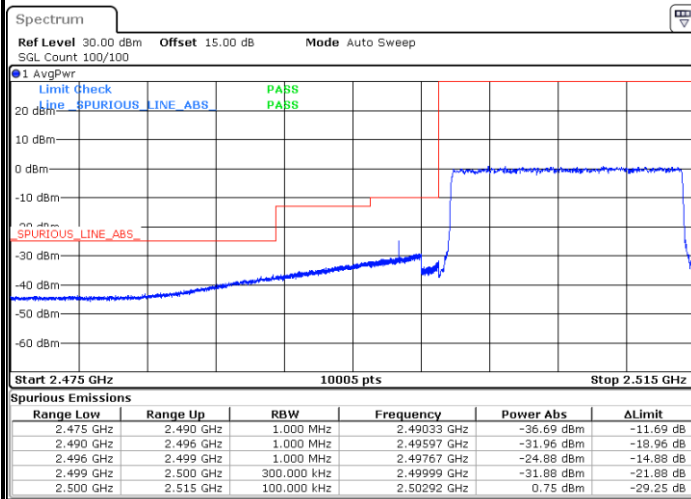
Lowest Band Edge / 1 RB



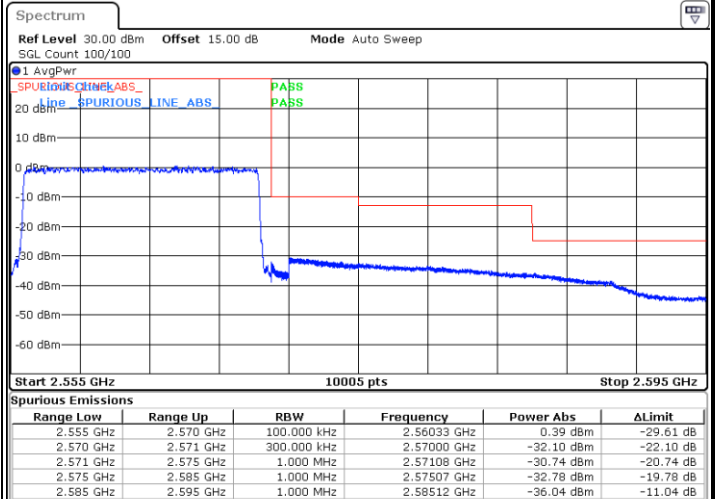
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



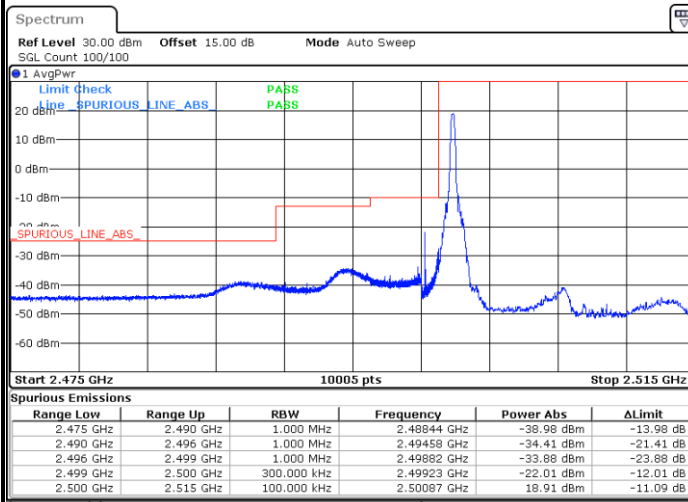
Highest Band Edge / Full RB



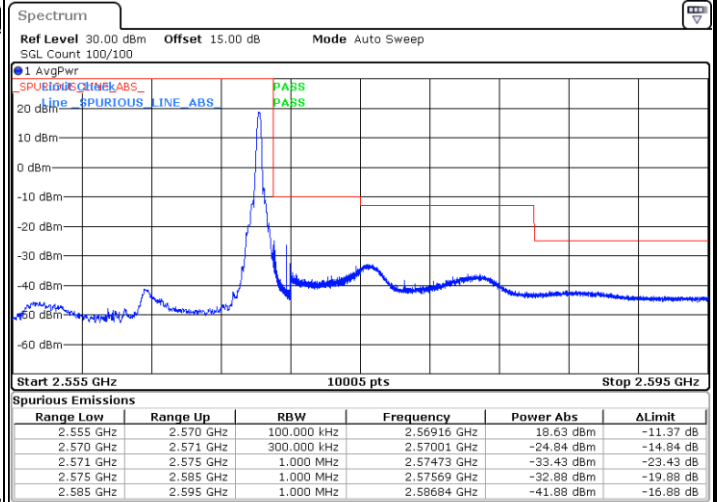


LTE Band 7 / 15MHz / 64QAM

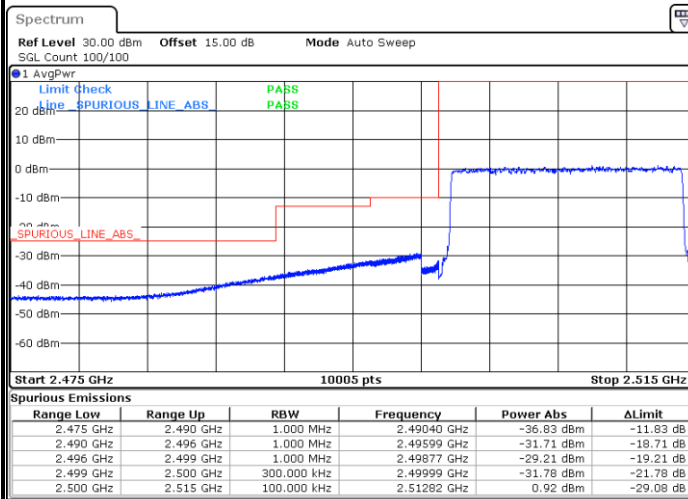
Lowest Band Edge / 1 RB



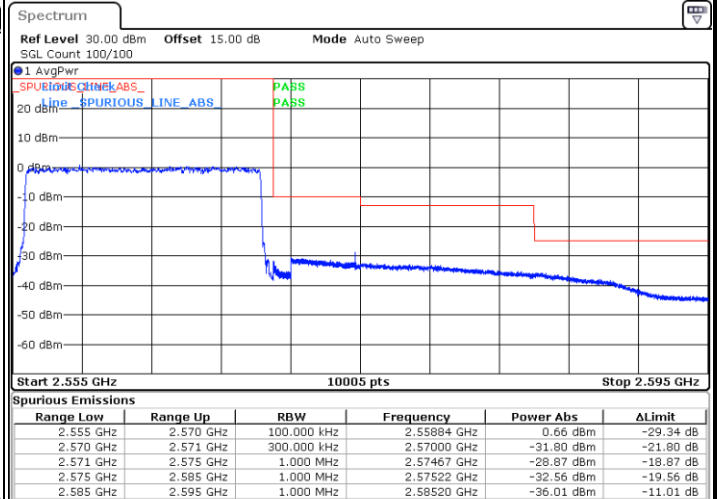
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



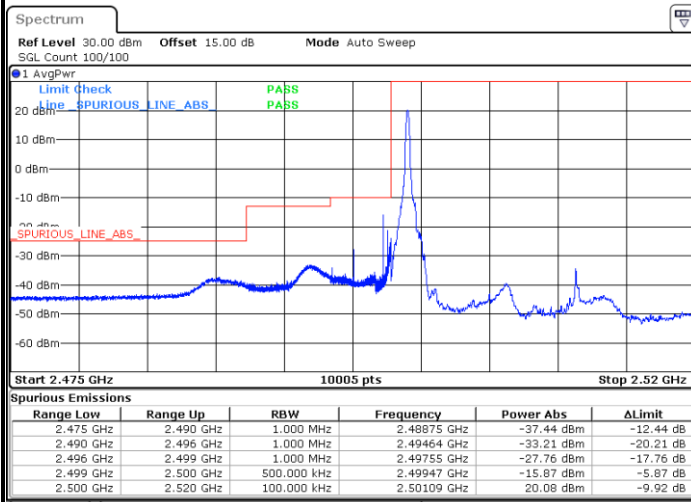
Highest Band Edge / Full RB



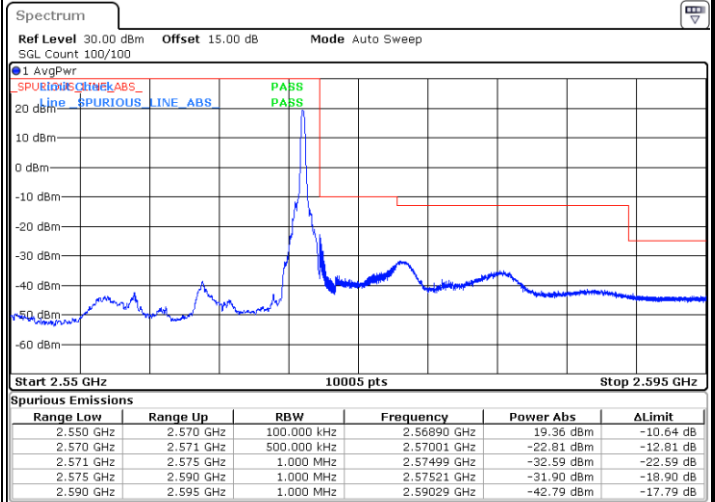


LTE Band 7 / 20MHz / QPSK

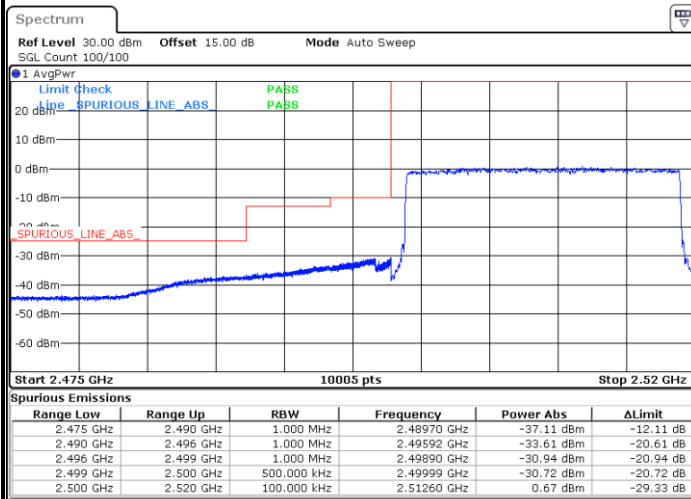
Lowest Band Edge / 1 RB



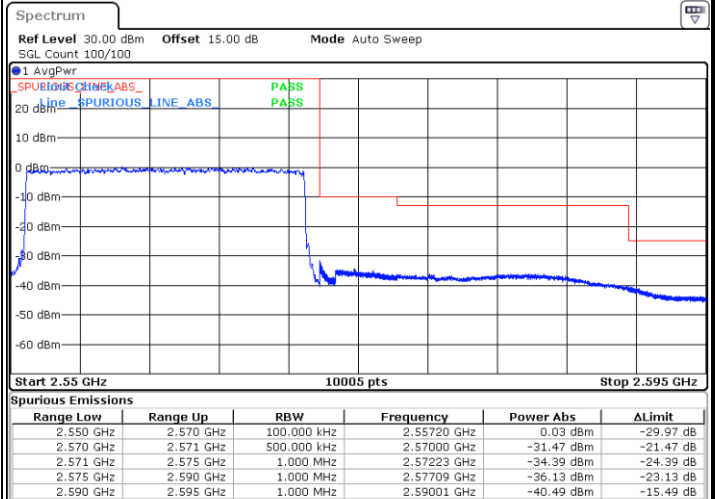
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



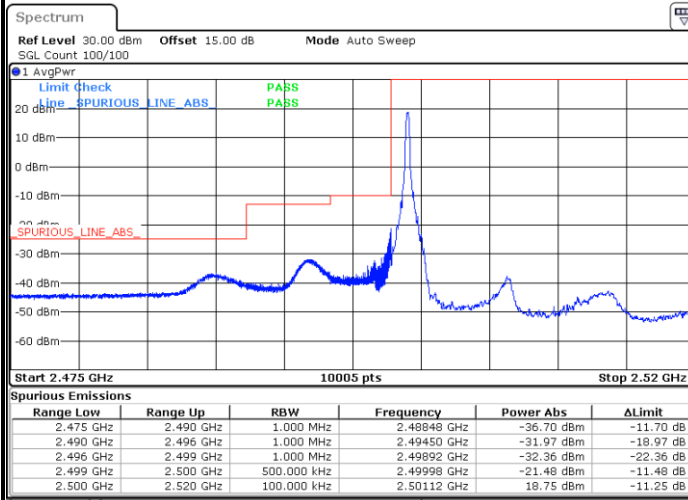
Highest Band Edge / Full RB



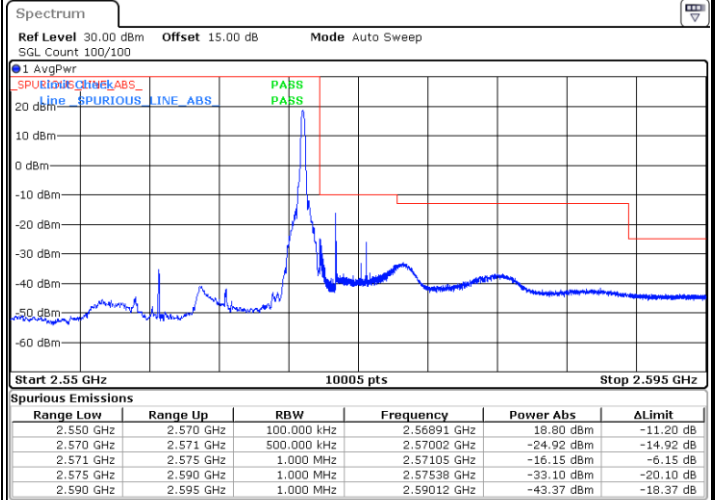


LTE Band 7 / 20MHz / 16QAM

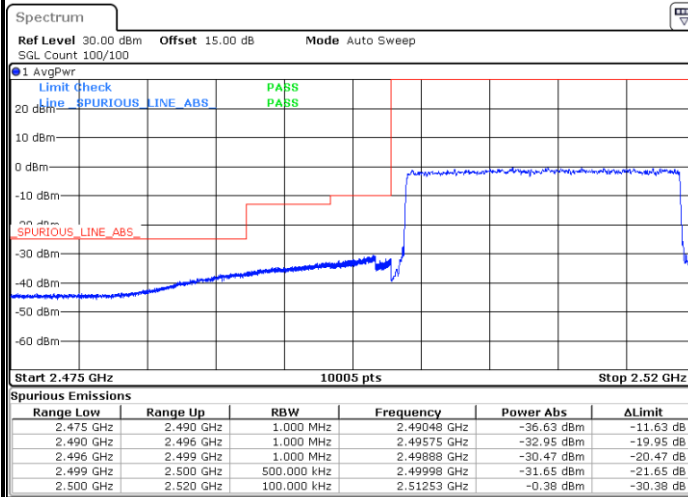
Lowest Band Edge / 1 RB



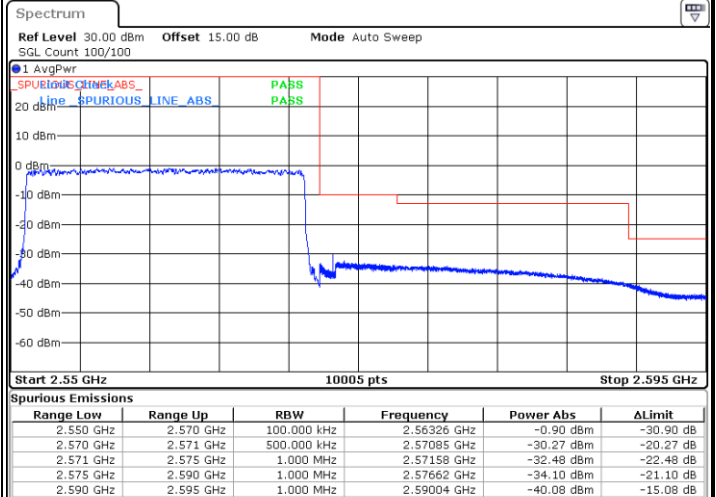
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



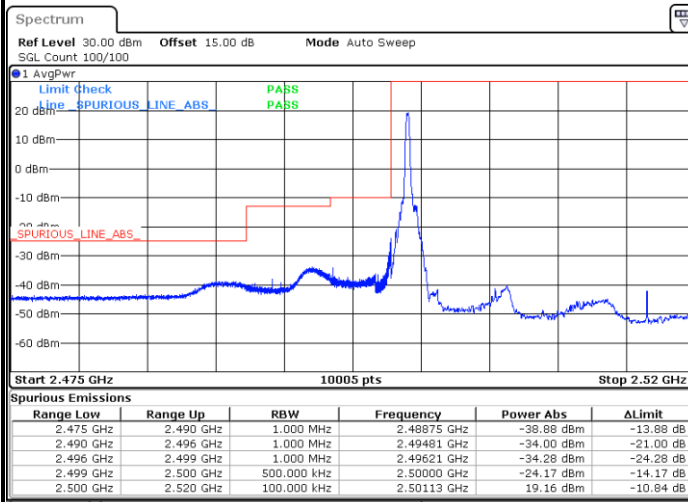
Highest Band Edge / Full RB



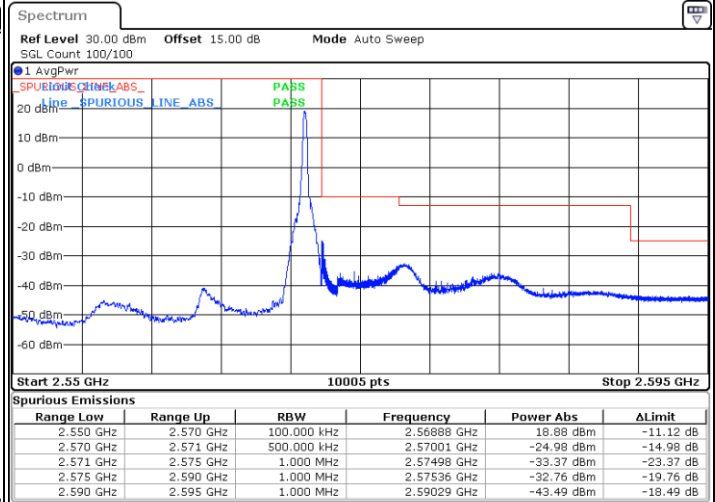


LTE Band 7 / 20MHz / 64QAM

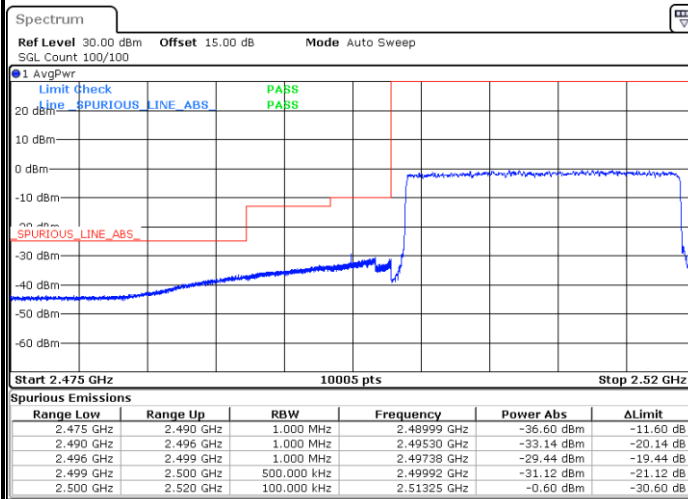
Lowest Band Edge / 1 RB



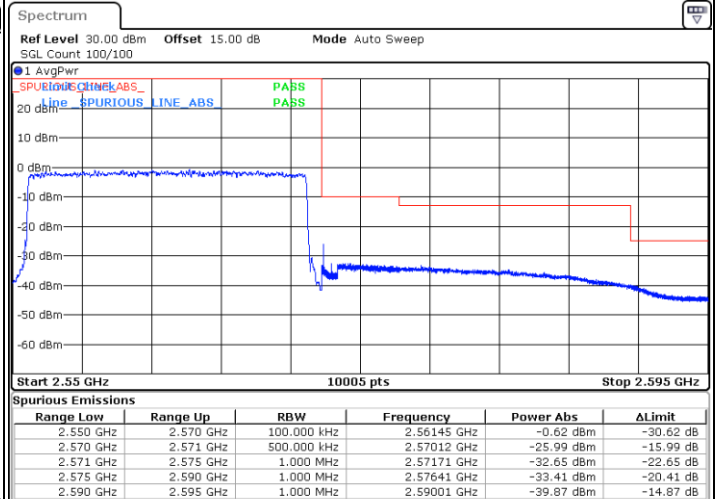
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

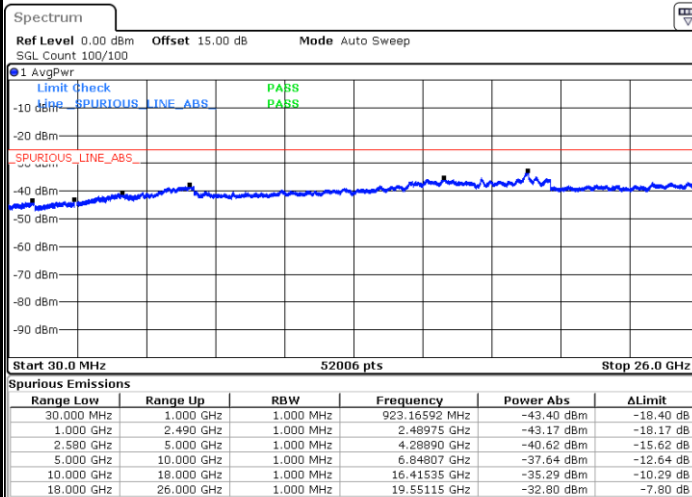




Conducted Spurious Emission

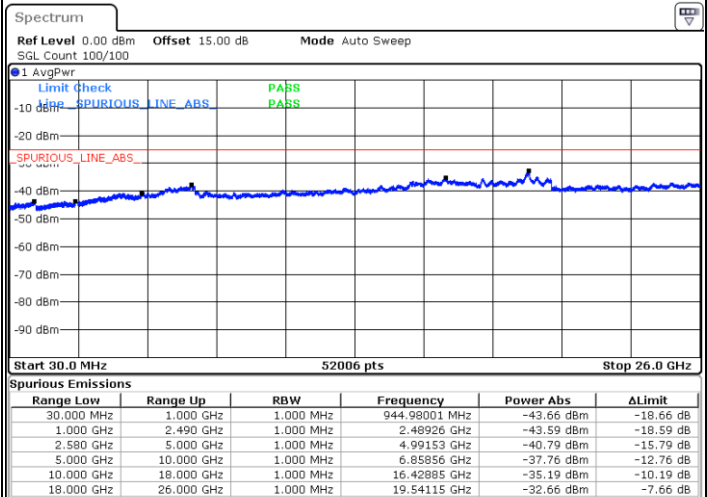
LTE Band 7 / 5MHz

Lowest Channel / QPSK



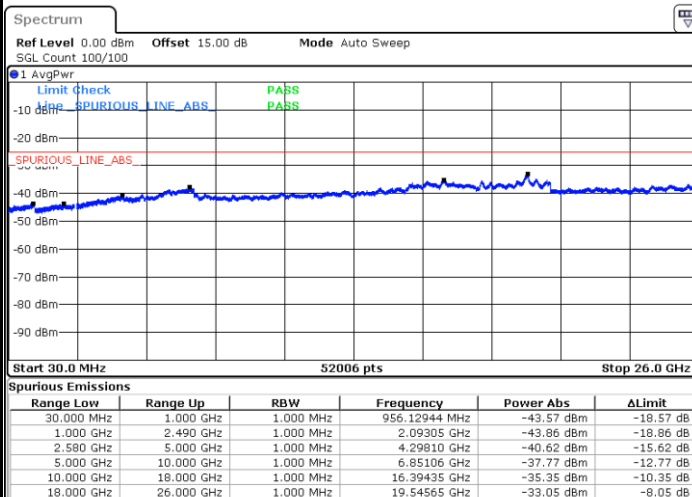
Date: 30 NOV 2019 10:49:24

Lowest Channel / 16QAM



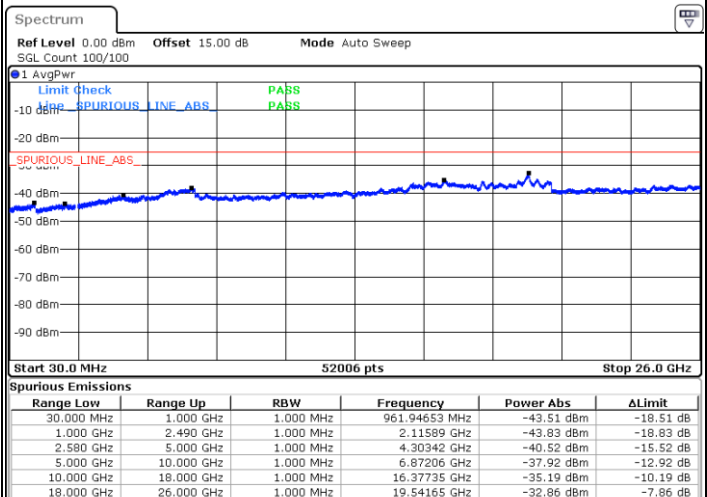
Date: 30 NOV 2019 10:50:06

Middle Channel / QPSK



Date: 30 NOV 2019 10:51:32

Middle Channel / 16QAM

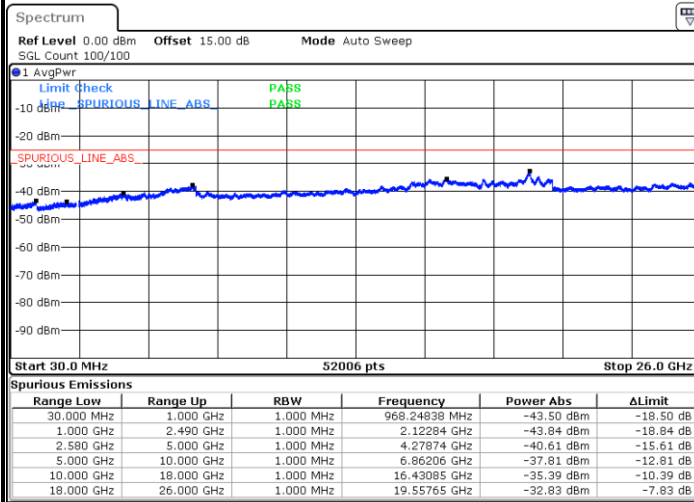


Date: 30 NOV 2019 10:52:15



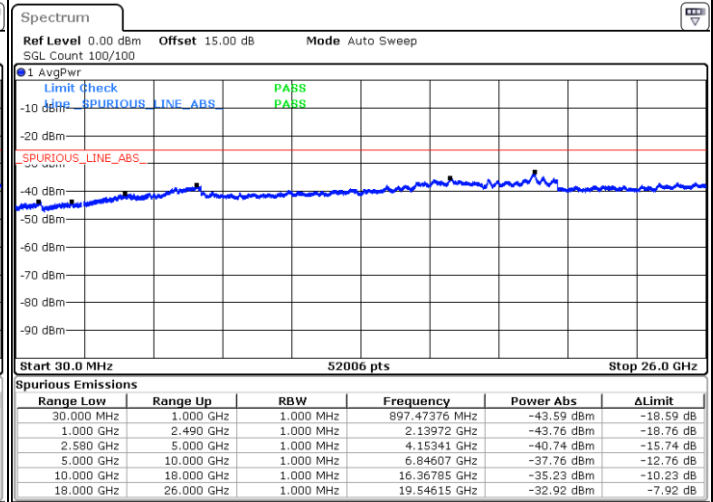
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 30 NOV 2019 10:57:38

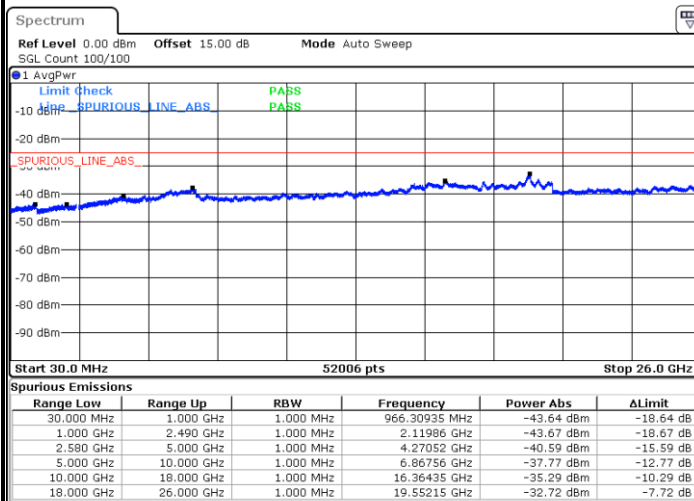
Highest Channel / 16QAM



Date: 30 NOV 2019 10:58:21

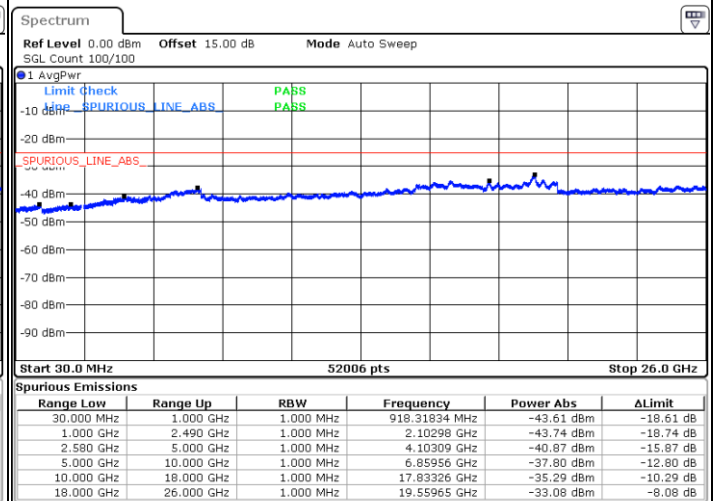
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 30 NOV 2019 11:03:44

Lowest Channel / 16QAM

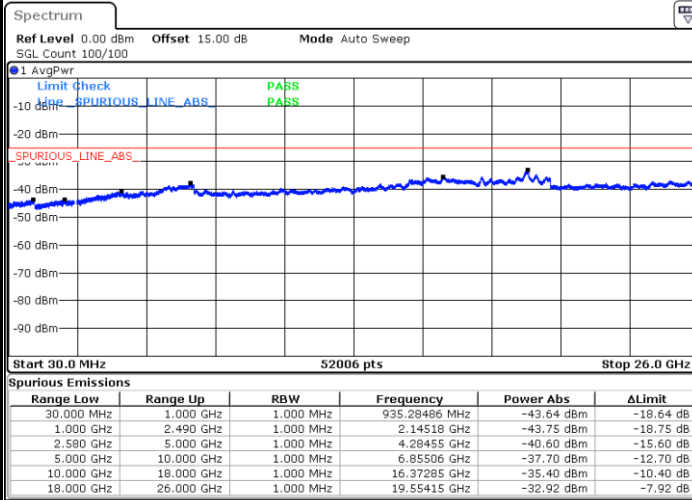


Date: 30 NOV 2019 11:04:27



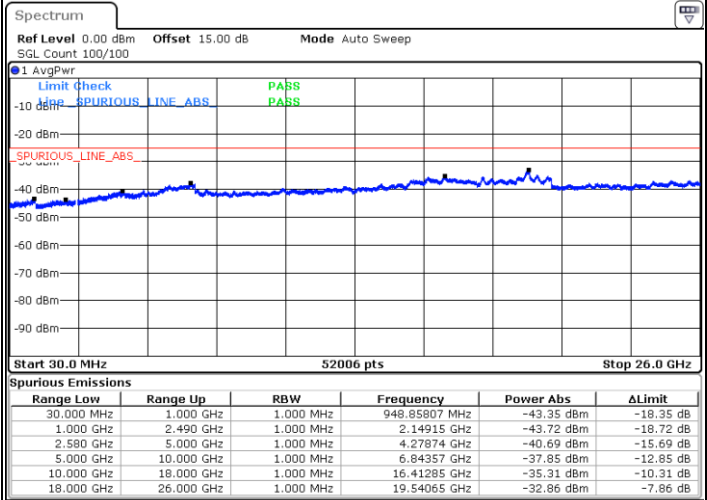
LTE Band 7 / 10MHz

Middle Channel / QPSK



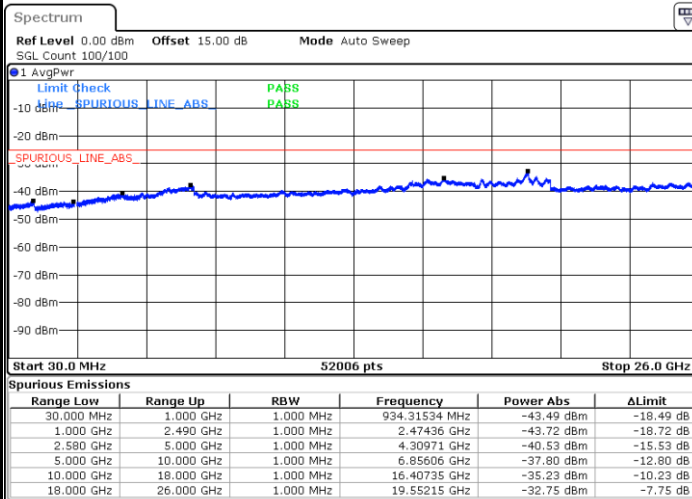
Date: 30 NOV 2019 11:05:53

Middle Channel / 16QAM



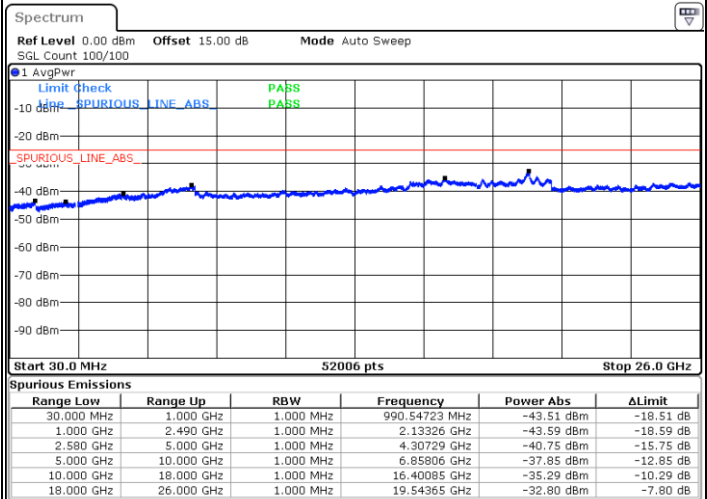
Date: 30 NOV 2019 11:06:35

Highest Channel / QPSK



Date: 30 NOV 2019 11:11:58

Highest Channel / 16QAM

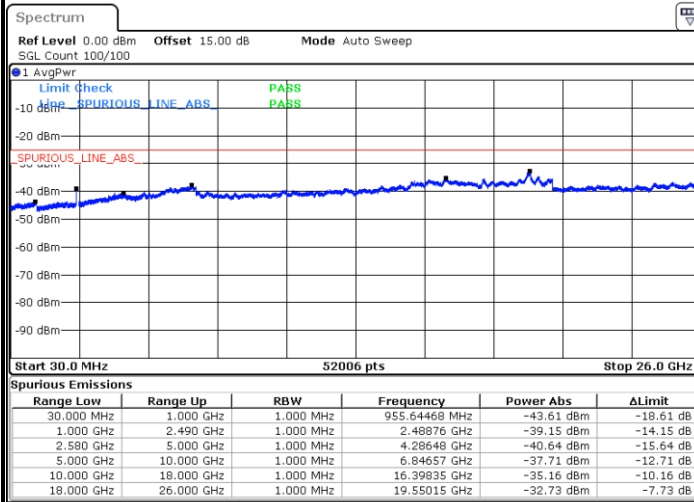


Date: 30 NOV 2019 11:12:41



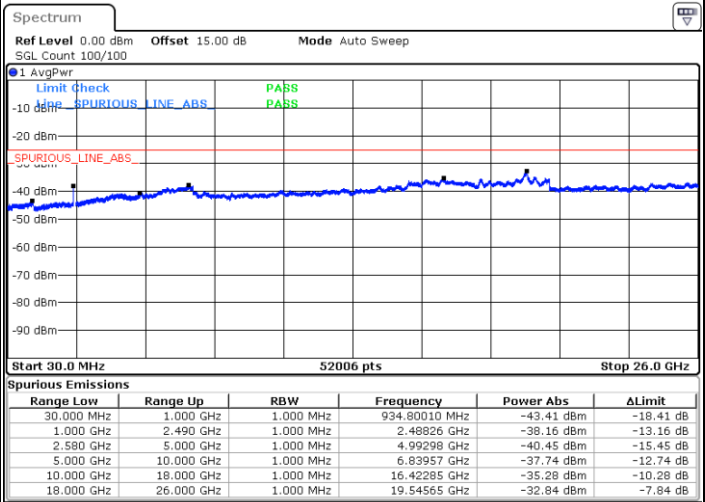
LTE Band 7 / 15MHz

Lowest Channel / QPSK



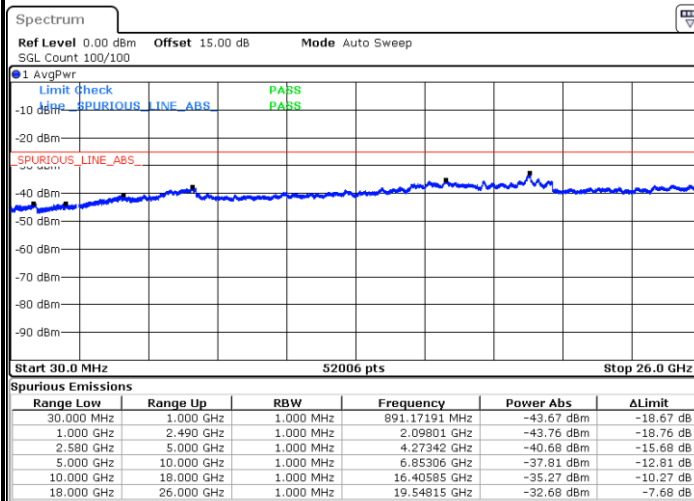
Date: 30 NOV 2019 11:18:06

Lowest Channel / 16QAM



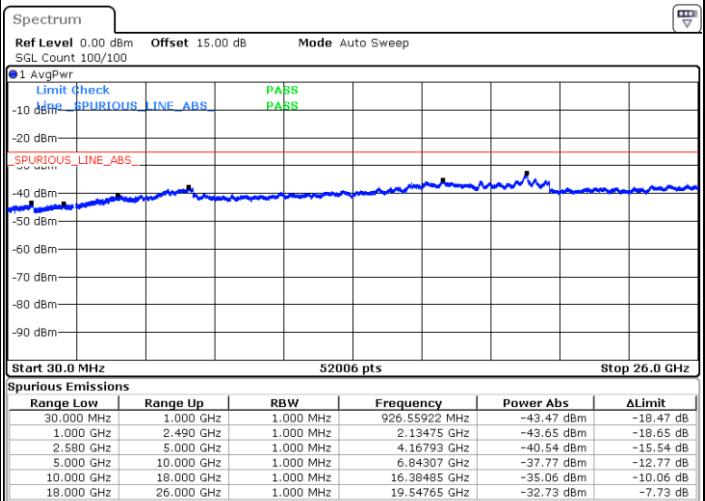
Date: 30 NOV 2019 11:18:49

Middle Channel / QPSK



Date: 30 NOV 2019 11:20:15

Middle Channel / 16QAM

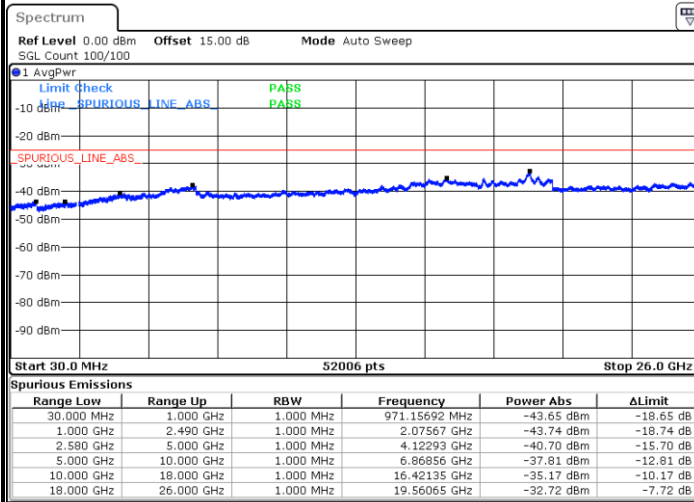


Date: 30 NOV 2019 11:20:57



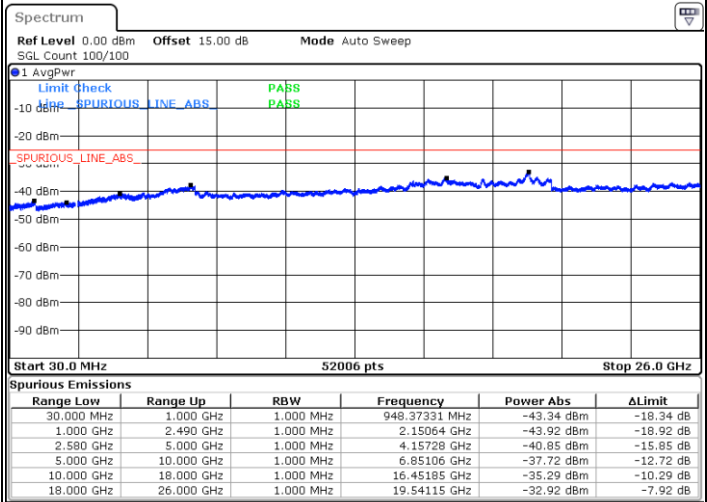
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 30 NOV 2019 11:26:20

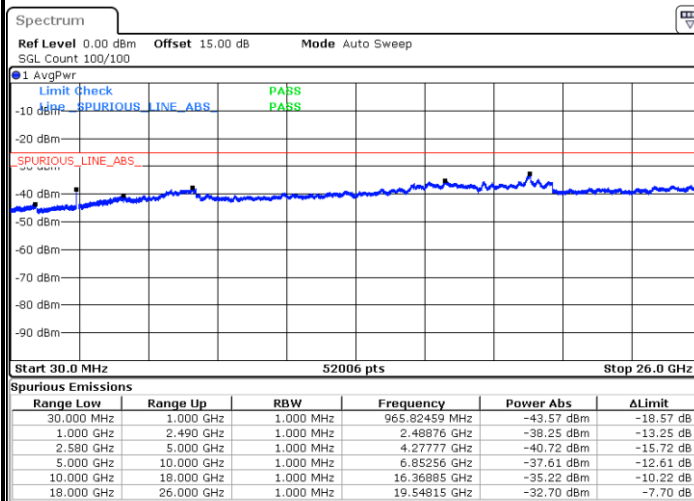
Highest Channel / 16QAM



Date: 30 NOV 2019 11:27:03

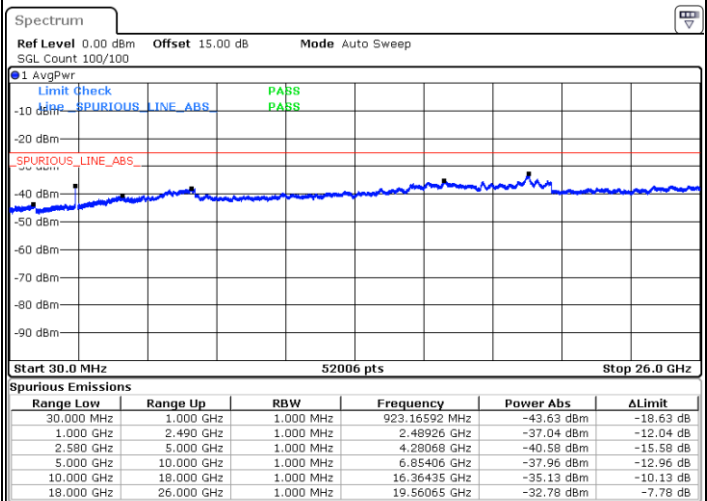
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 30 NOV 2019 11:32:28

Lowest Channel / 16QAM

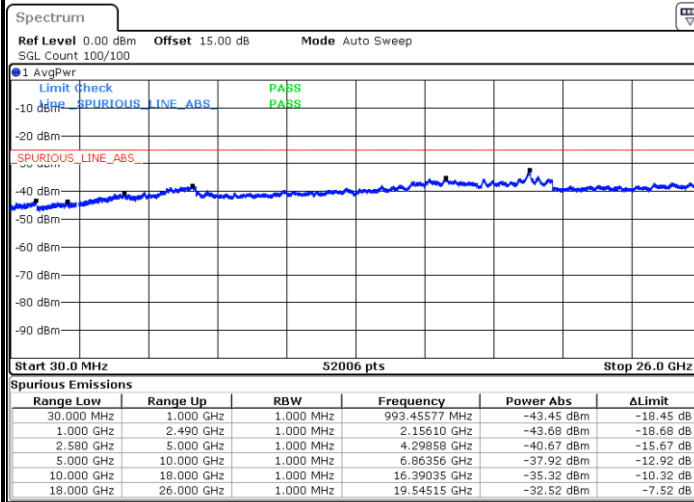


Date: 30 NOV 2019 11:33:10



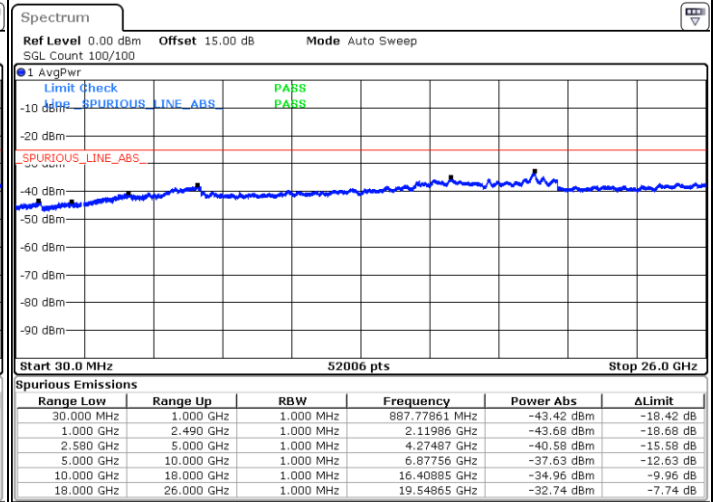
LTE Band 7 / 20MHz

Middle Channel / QPSK



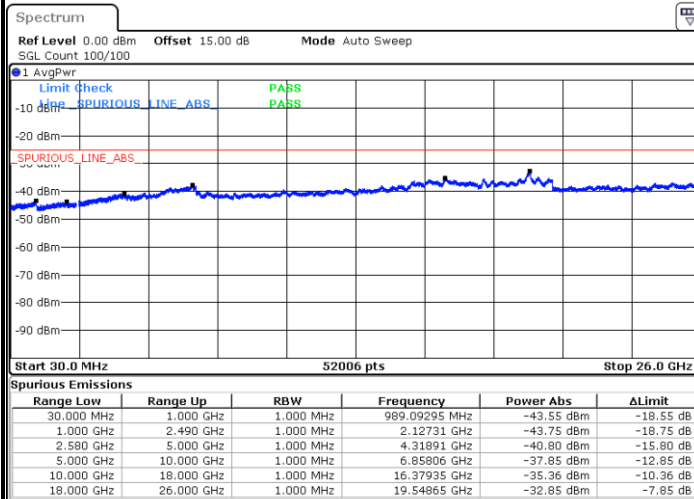
Date: 30 NOV 2019 11:34:36

Middle Channel / 16QAM



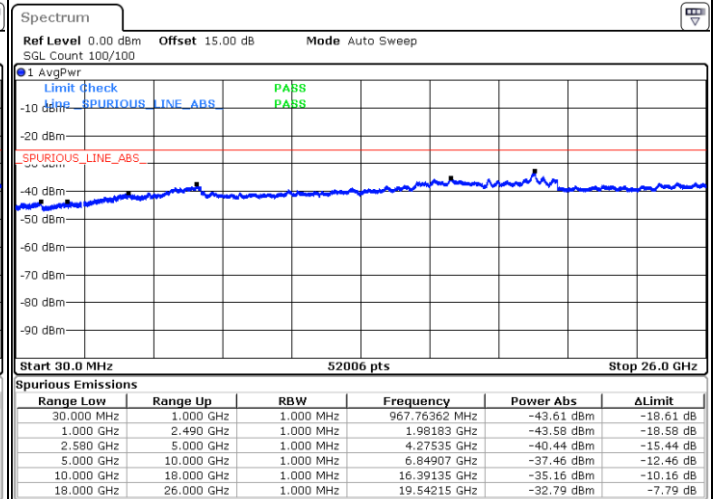
Date: 30 NOV 2019 11:35:19

Highest Channel / QPSK



Date: 30 NOV 2019 11:40:42

Highest Channel / 16QAM

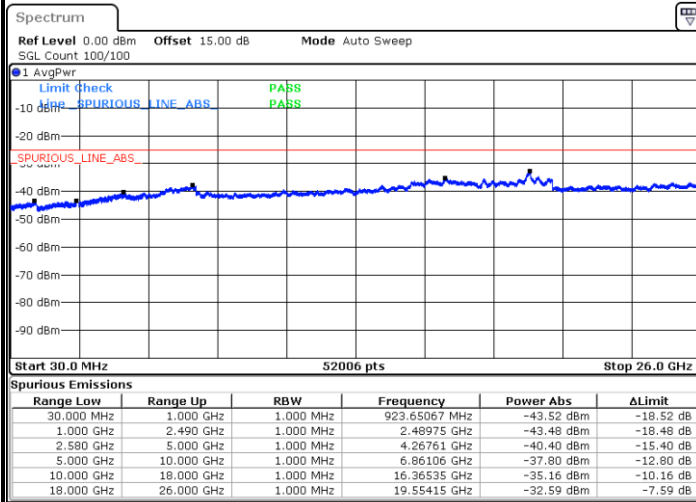


Date: 30 NOV 2019 11:41:25



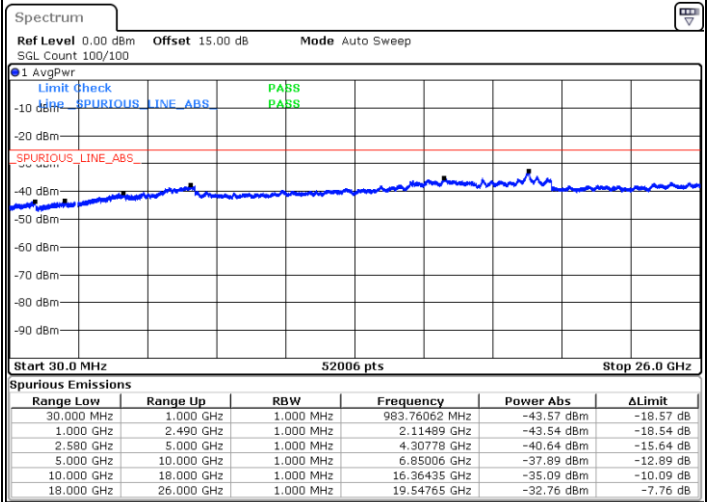
LTE Band 7 / 5MHz

Lowest Channel / 64QAM



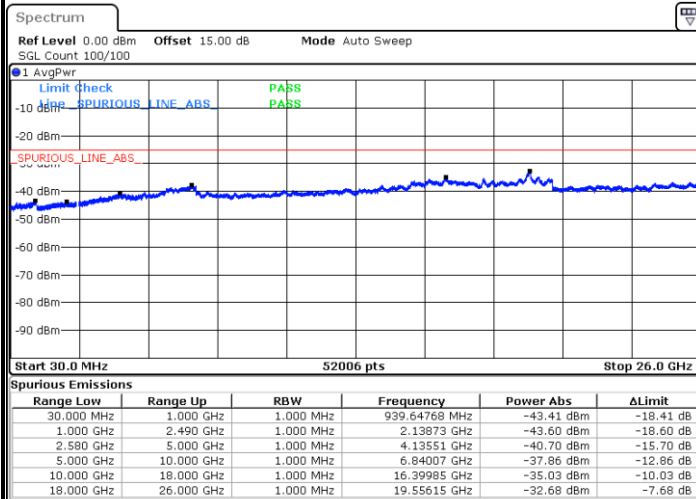
Date: 30 NOV 2019 10:15:47

Middle Channel / 64QAM



Date: 30 NOV 2019 10:16:52

Highest Channel / 64QAM

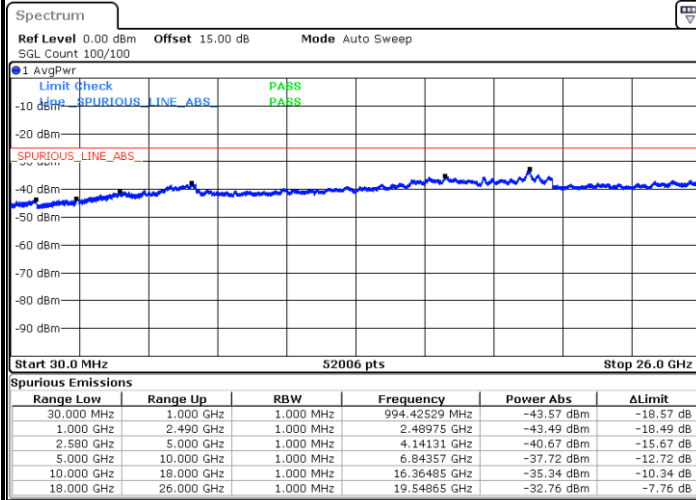


Date: 30 NOV 2019 10:19:55



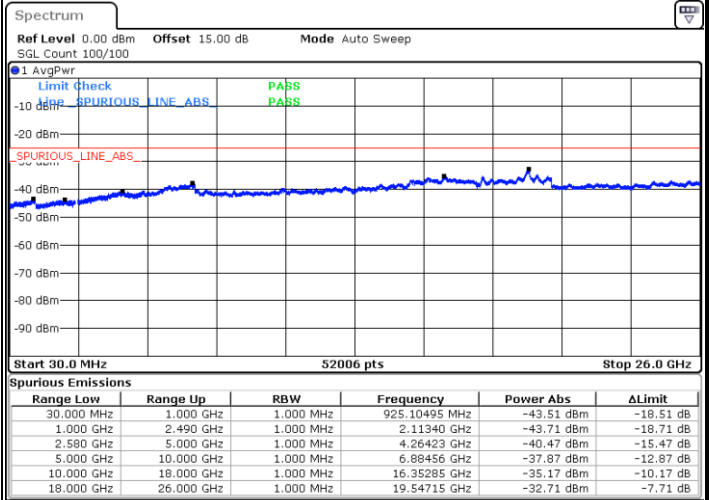
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



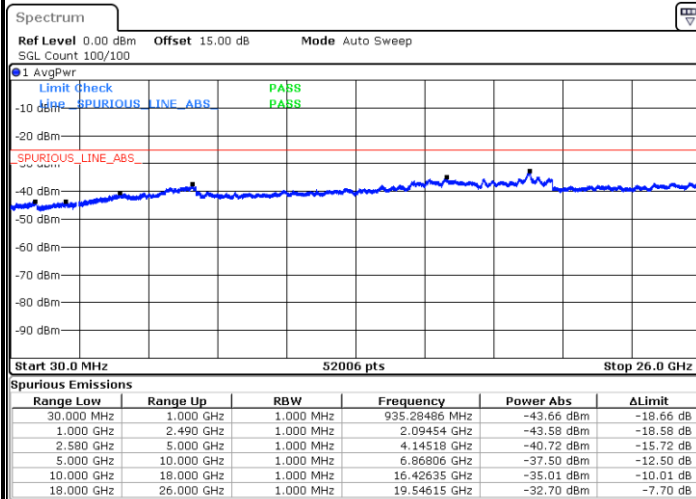
Date: 30 NOV 2019 10:22:58

Middle Channel / 64QAM



Date: 30 NOV 2019 10:24:03

Highest Channel / 64QAM

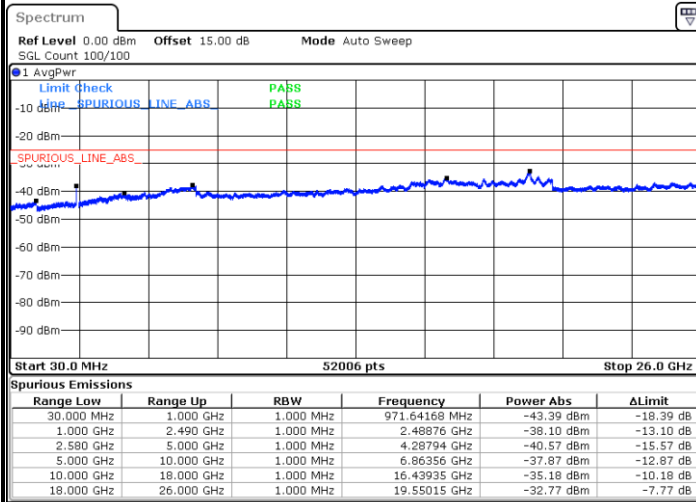


Date: 30 NOV 2019 10:27:06



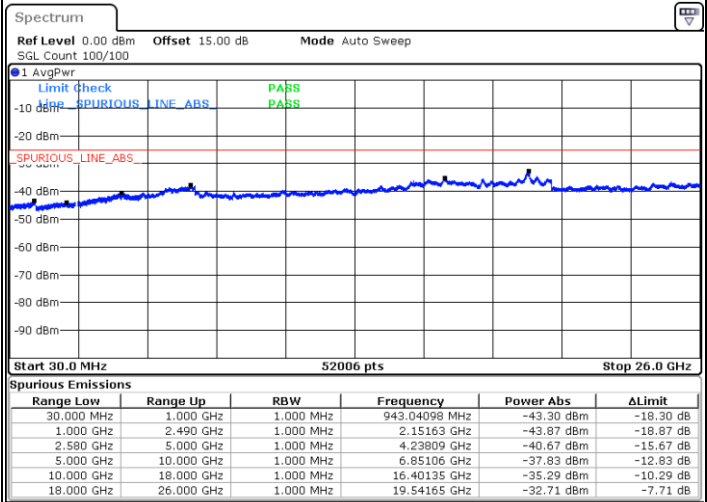
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



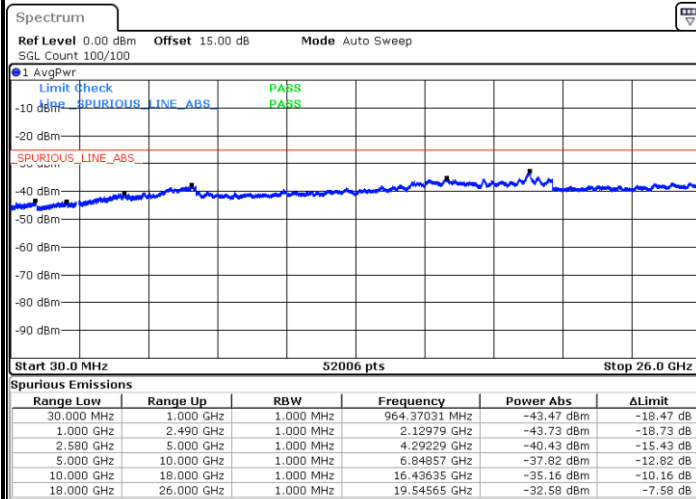
Date: 30 NOV 2019 10:30:10

Middle Channel / 64QAM



Date: 30 NOV 2019 10:31:15

Highest Channel / 64QAM

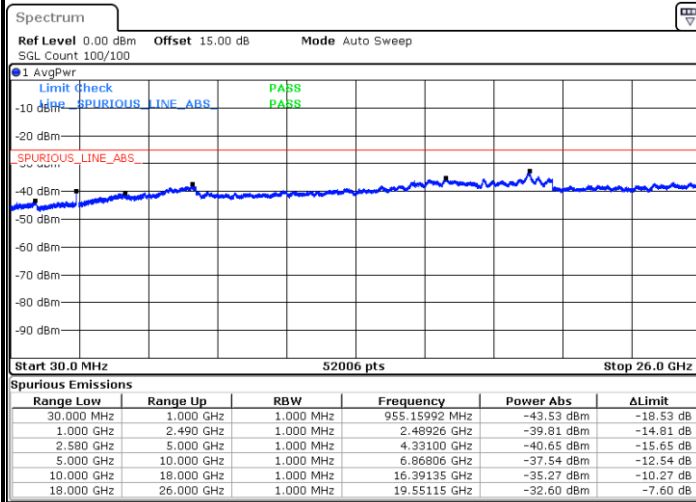


Date: 30 NOV 2019 10:34:18



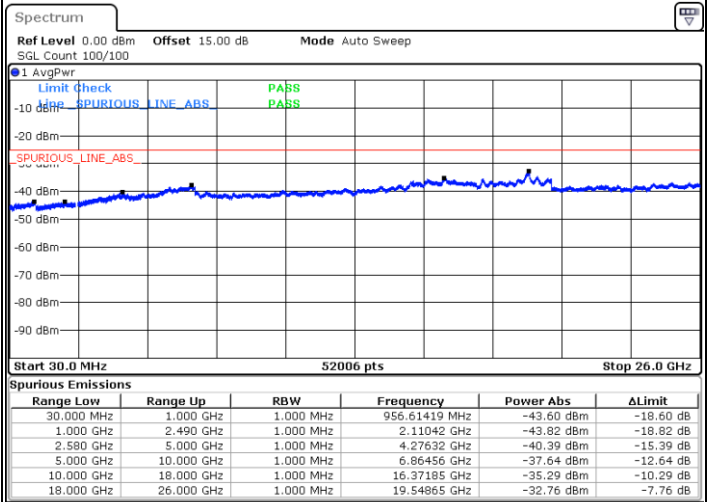
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



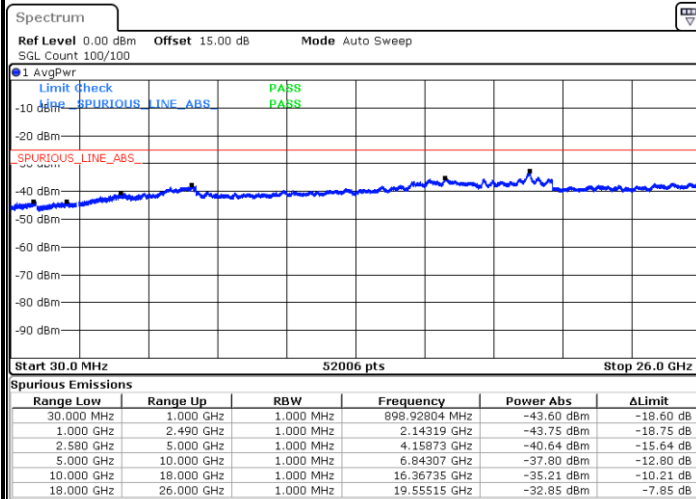
Date: 30 NOV 2019 10:37:22

Middle Channel / 64QAM



Date: 30 NOV 2019 10:38:27

Highest Channel / 64QAM



Date: 30 NOV 2019 10:41:29

**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	0.0033	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0038	
0	Normal Voltage	0.0075	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0048	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0038	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0036	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

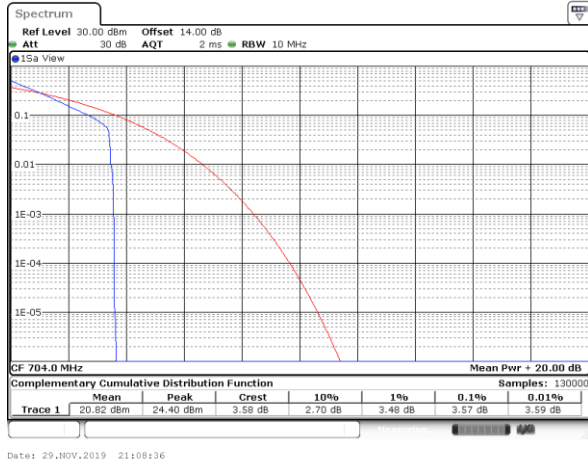
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.57	4.96	5.25	5.88	PASS
Middle CH	3.57	4.93	5.10	5.80	
Highest CH	3.62	5.04	5.16	5.91	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM		-		Limit: 13dB
RB Size	1RB	Full RB	-	-	Result
Lowest CH	5.19	5.88	-	-	PASS
Middle CH	5.39	5.83	-	-	
Highest CH	5.30	5.88	-	-	

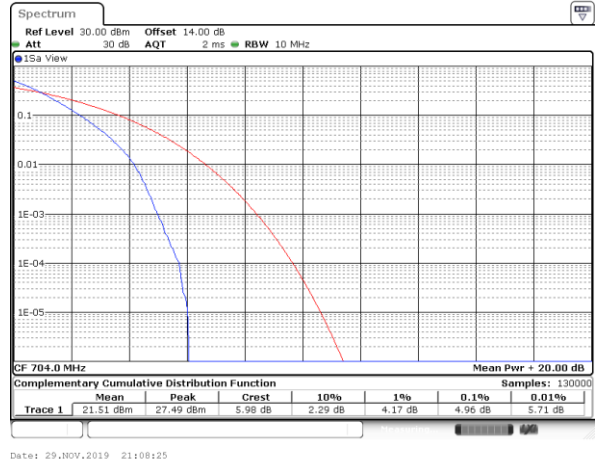


LTE Band 12 / 10MHz / QPSK

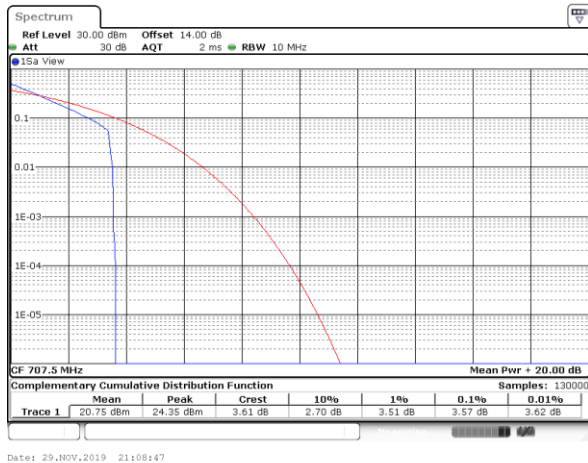
Lowest Channel / 1RB



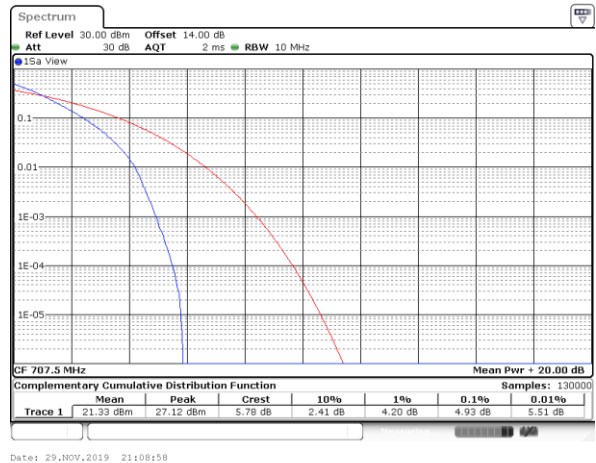
Lowest Channel / Full RB



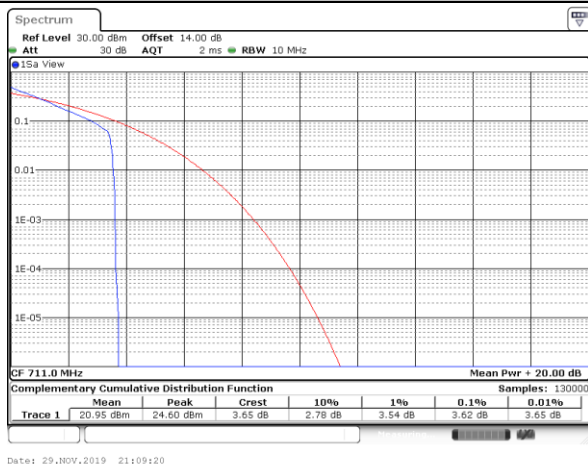
Middle Channel / 1RB



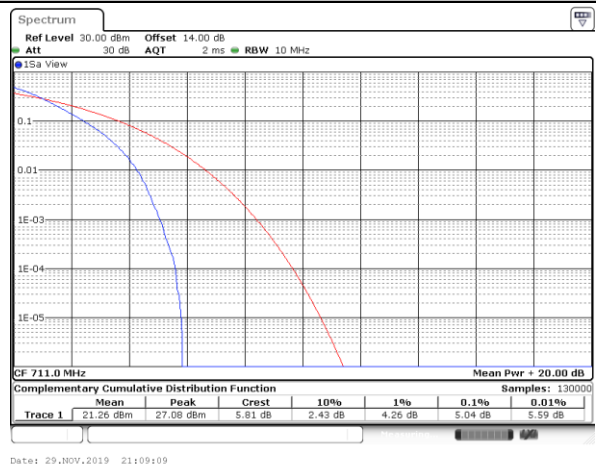
Middle Channel / Full RB

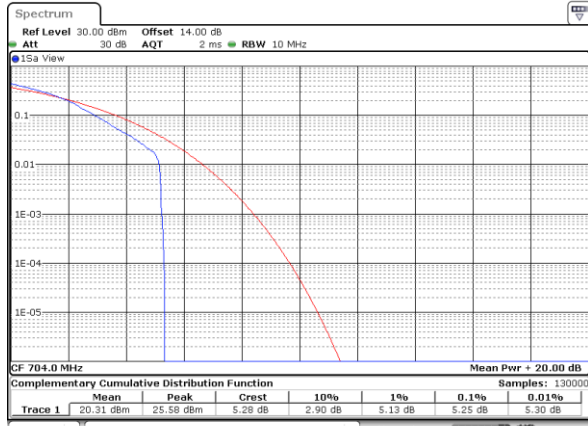


Highest Channel / 1RB

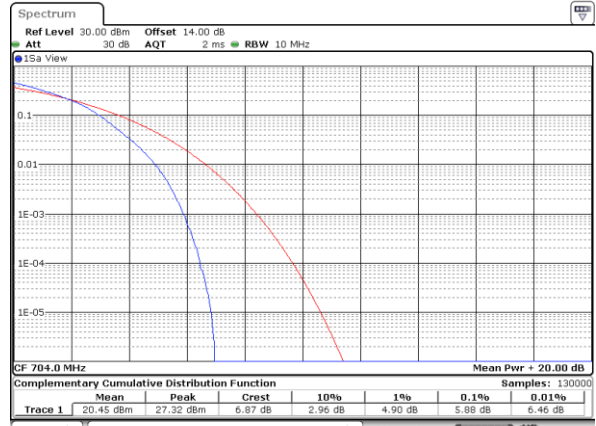


Highest Channel / Full RB

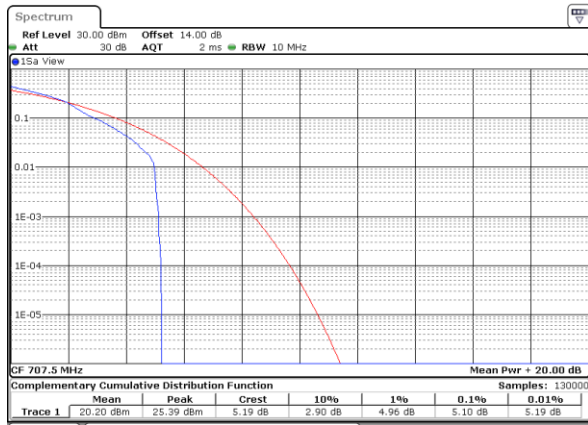


LTE Band 12 / 10MHz / 16QAM
Lowest Channel / 1RB


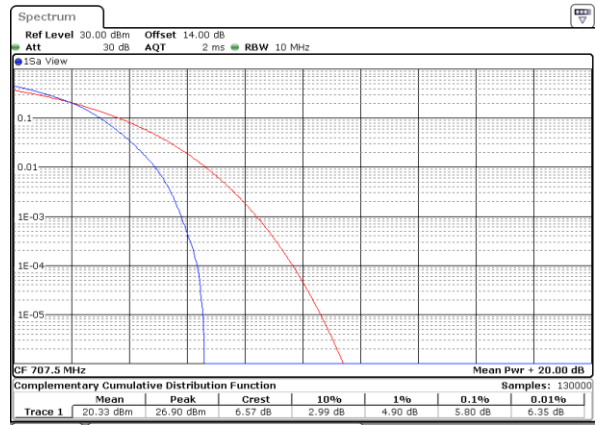
Date: 29.NOV.2019 21:07:20

Lowest Channel / Full RB


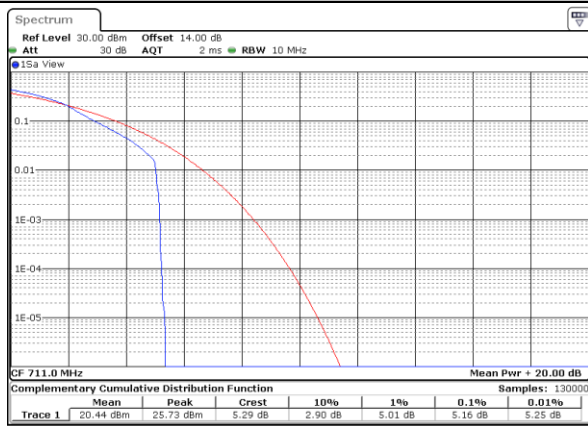
Date: 29.NOV.2019 21:07:16

Middle Channel / 1RB


Date: 29.NOV.2019 21:07:39

Middle Channel / Full RB


Date: 29.NOV.2019 21:07:50

Highest Channel / 1RB


Date: 29.NOV.2019 21:08:14

Highest Channel / Full RB


Date: 29.NOV.2019 21:08:02