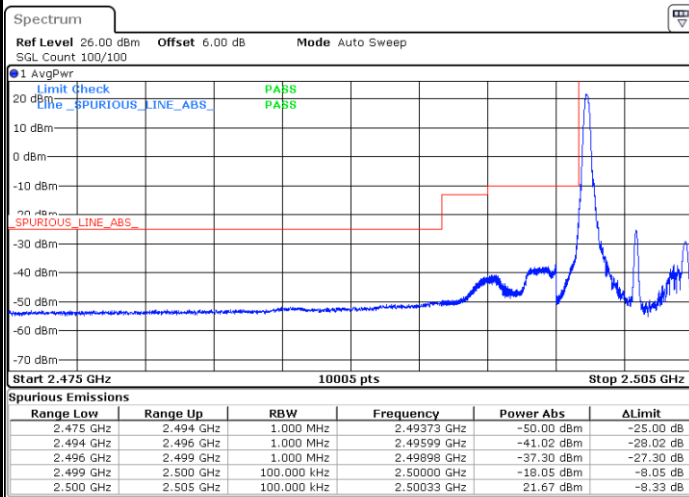




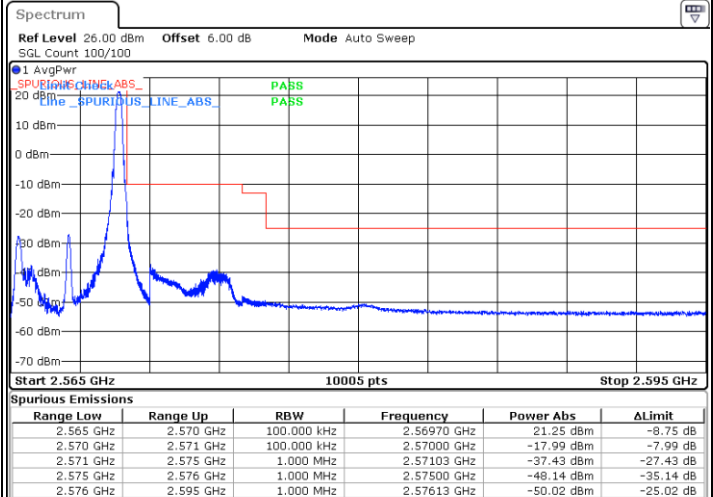
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

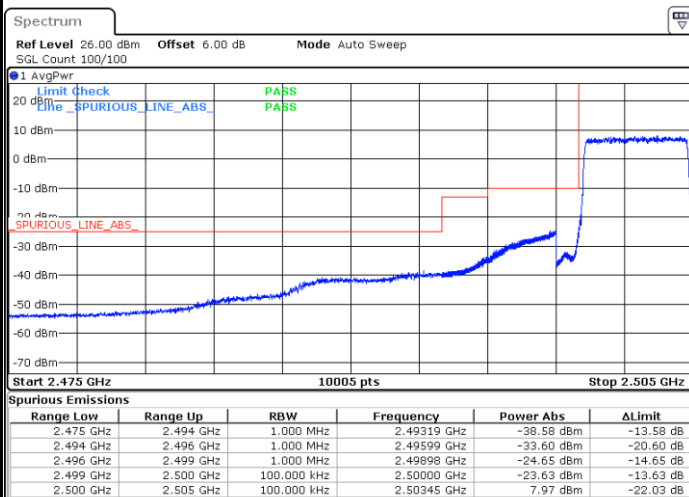
Lowest Band Edge / 1 RB



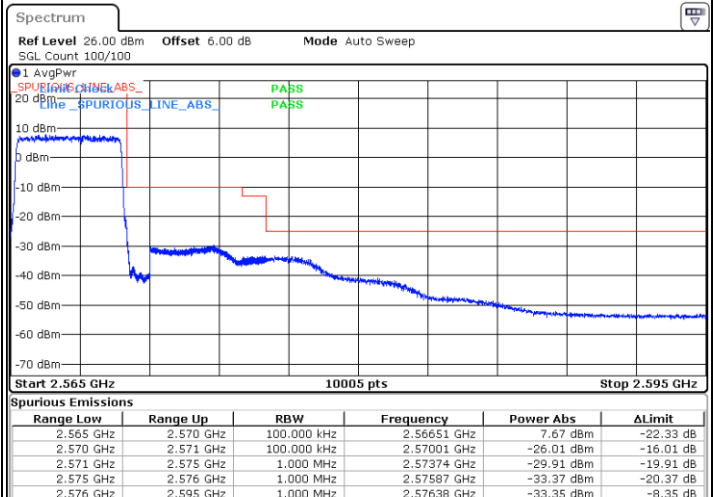
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



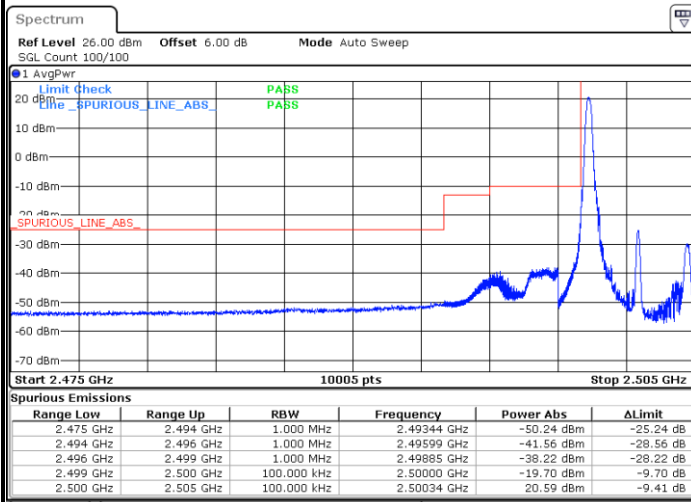
Highest Band Edge / Full RB



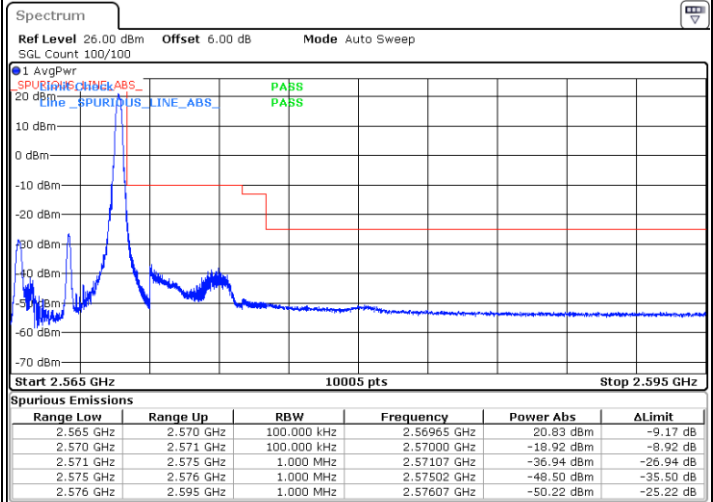


LTE Band 7 / 5MHz / 16QAM

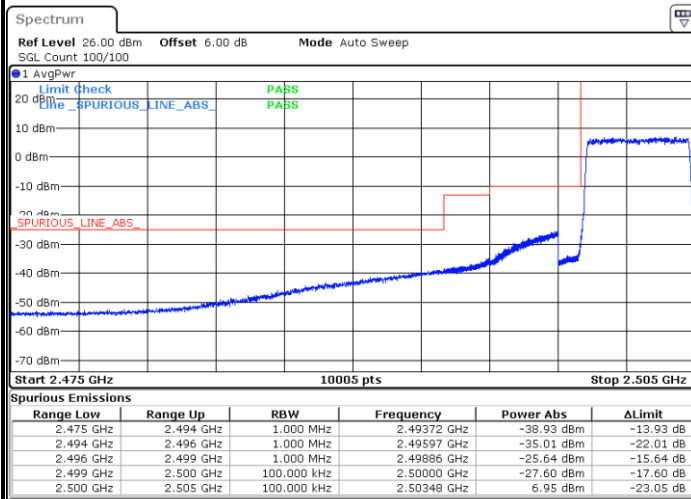
Lowest Band Edge / 1 RB



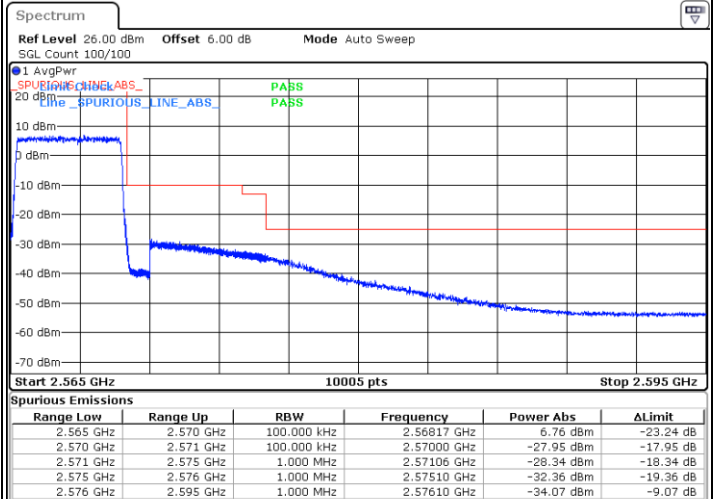
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



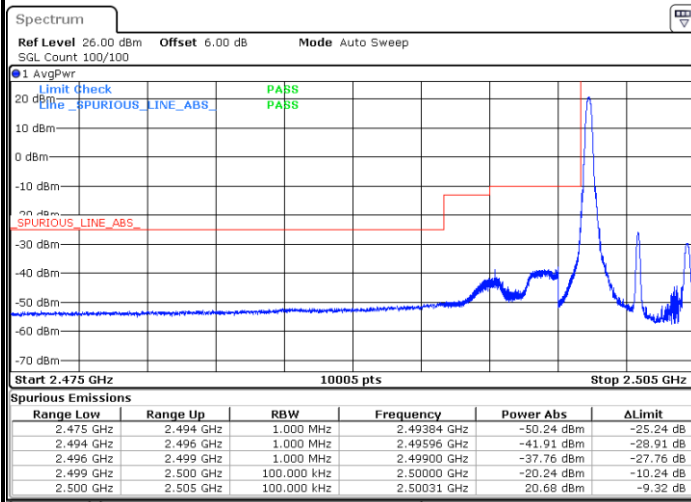
Highest Band Edge / Full RB



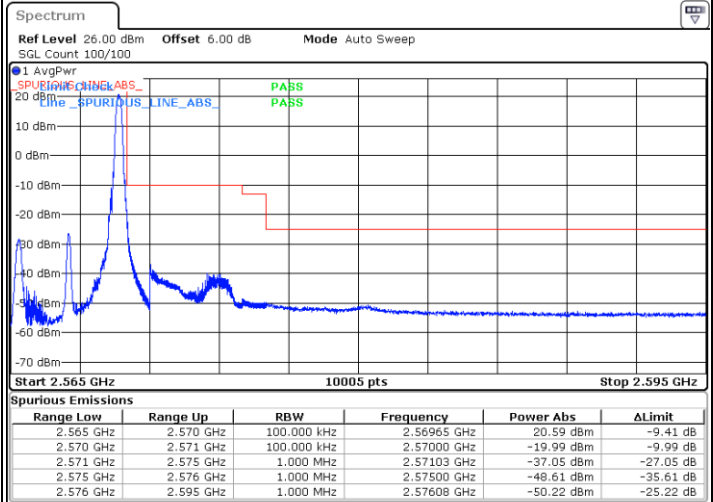


LTE Band 7 / 5MHz / 64QAM

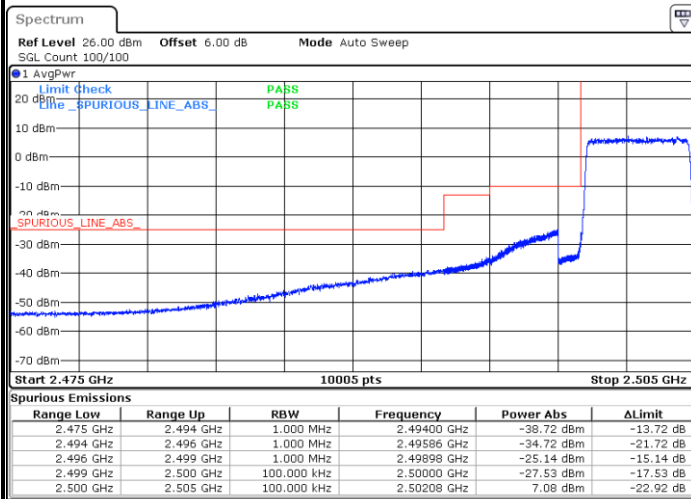
Lowest Band Edge / 1RB



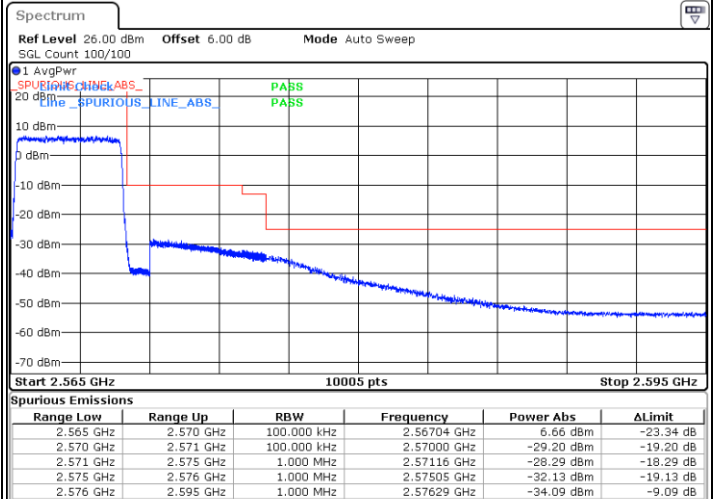
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



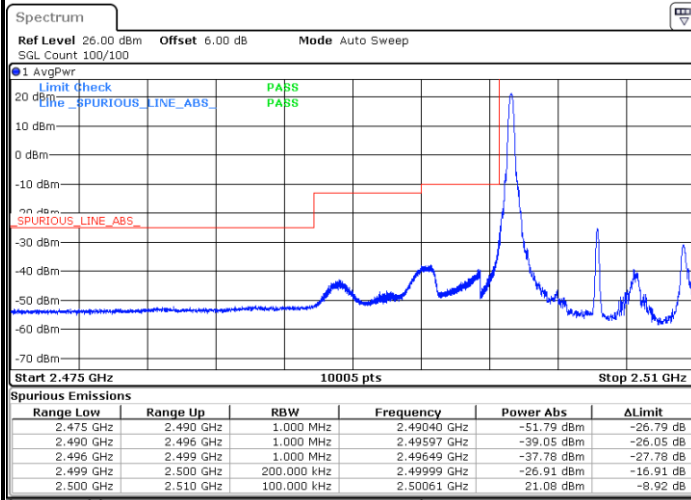
Highest Band Edge / Full RB



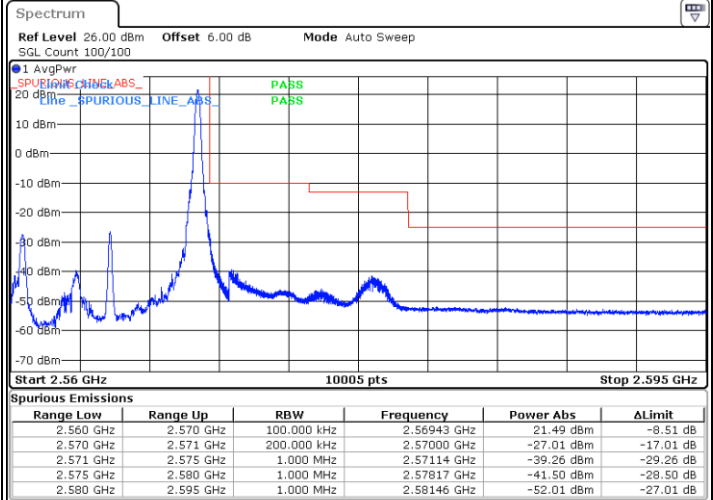


LTE Band 7 / 10MHz / QPSK

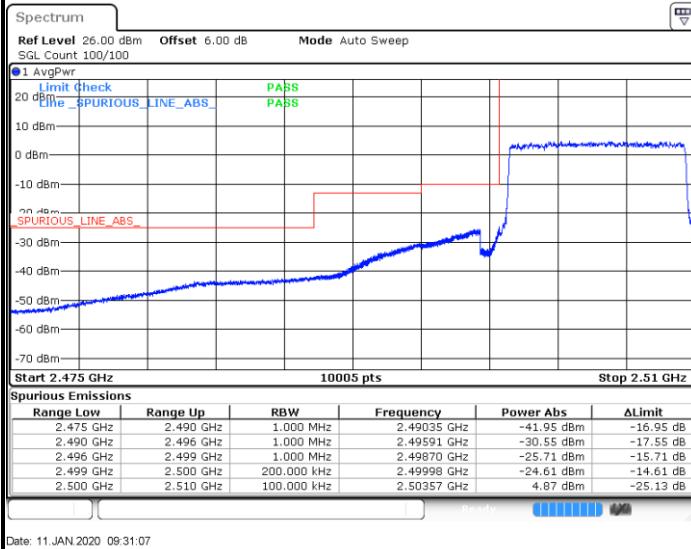
Lowest Band Edge / 1 RB



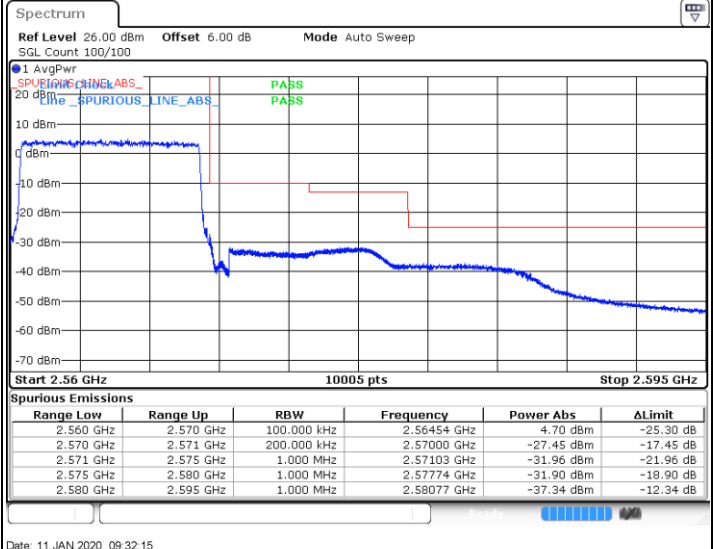
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



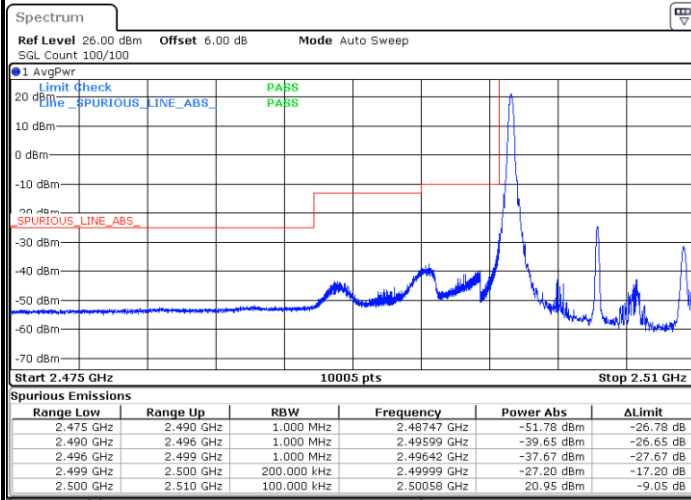
Highest Band Edge / Full RB



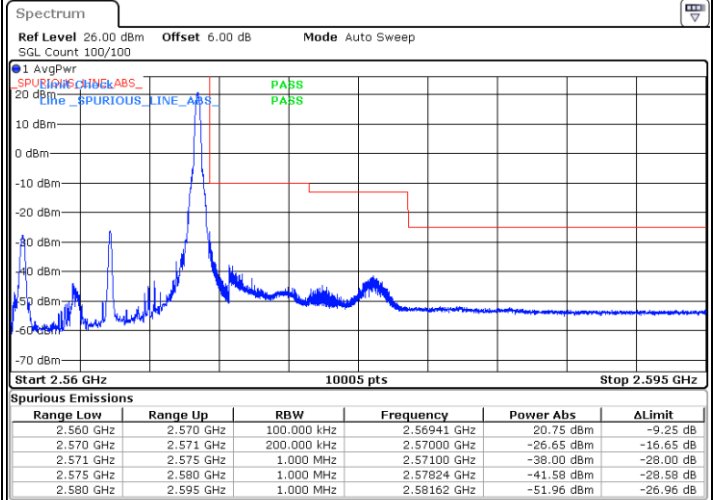


LTE Band 7 / 10MHz / 16QAM

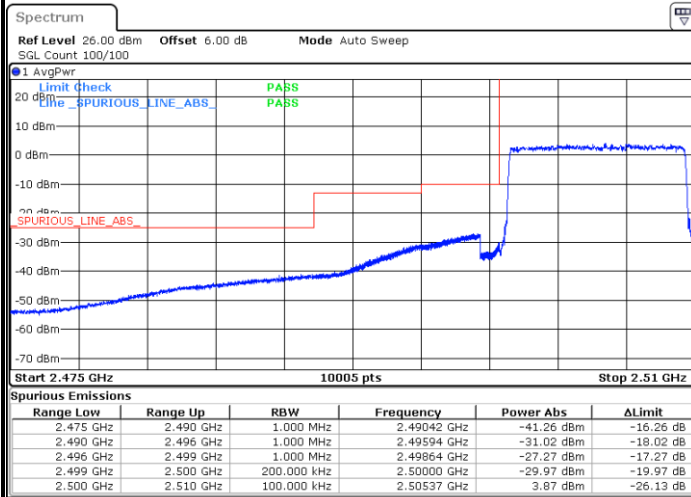
Lowest Band Edge / 1 RB



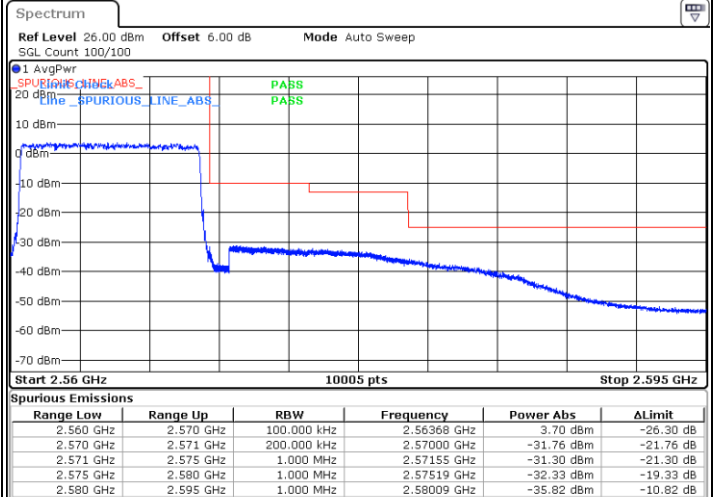
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



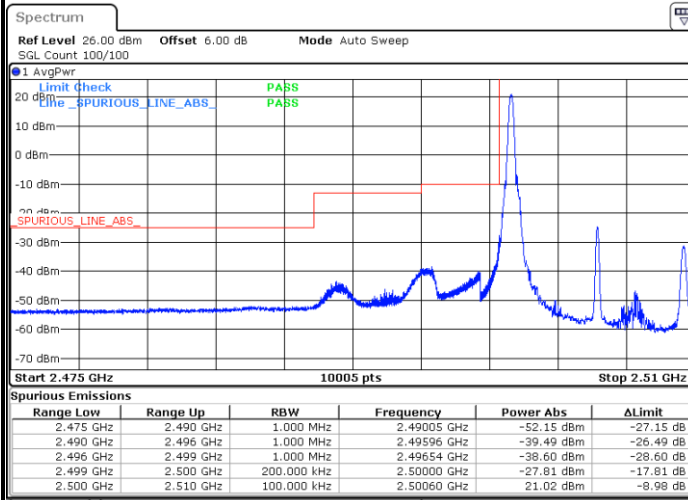
Highest Band Edge / Full RB



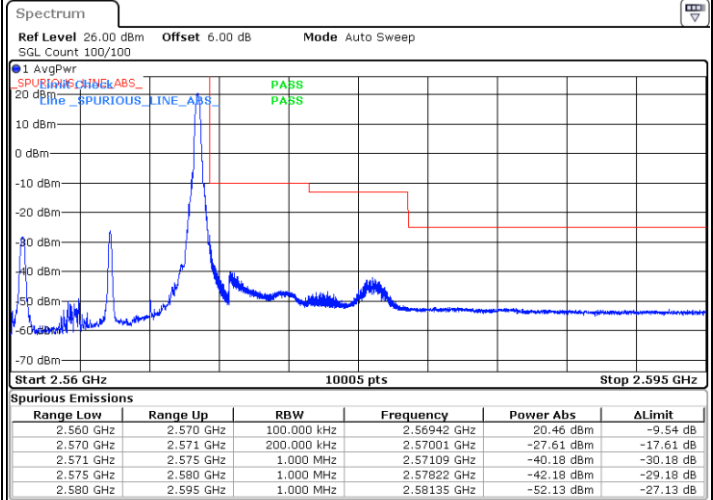


LTE Band 7 / 10MHz / 64QAM

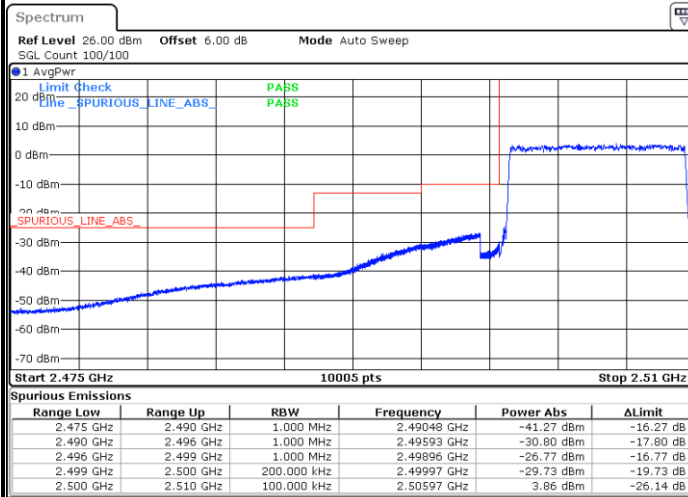
Lowest Band Edge / 1 RB



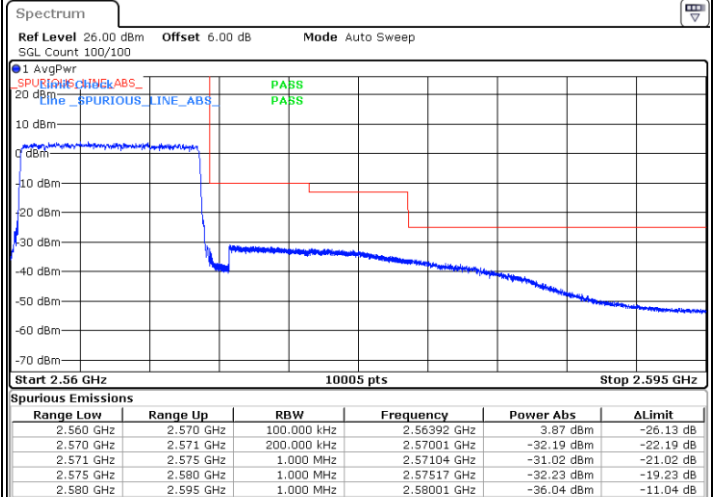
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



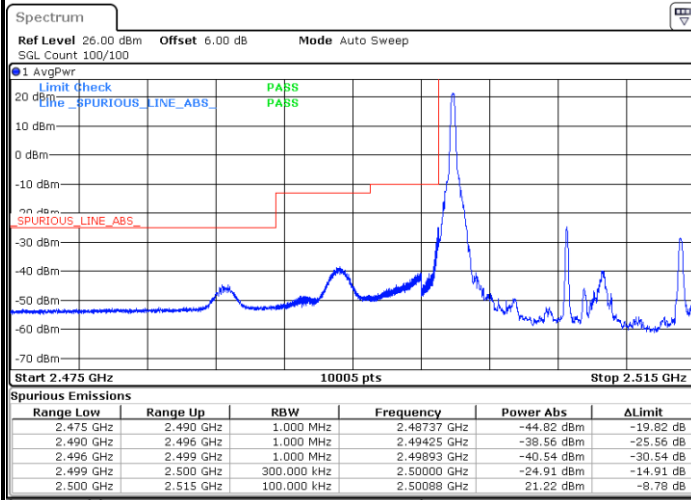
Highest Band Edge / Full RB



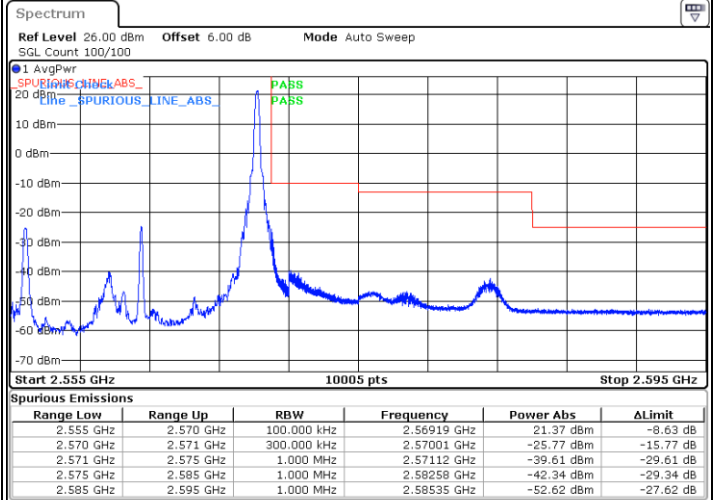


LTE Band 7 / 15MHz / QPSK

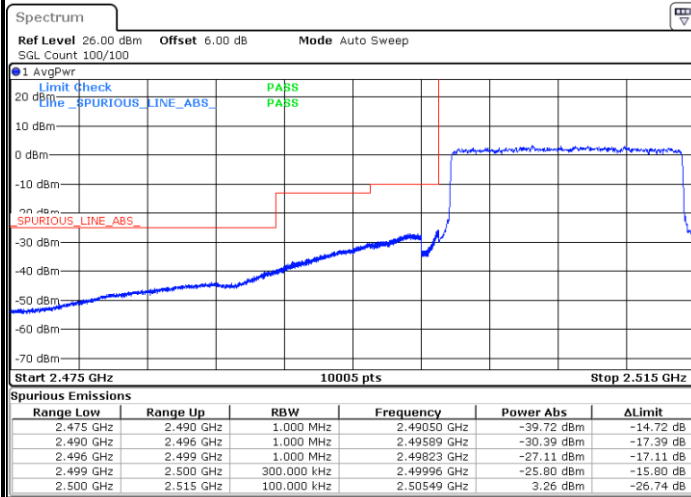
Lowest Band Edge / 1 RB



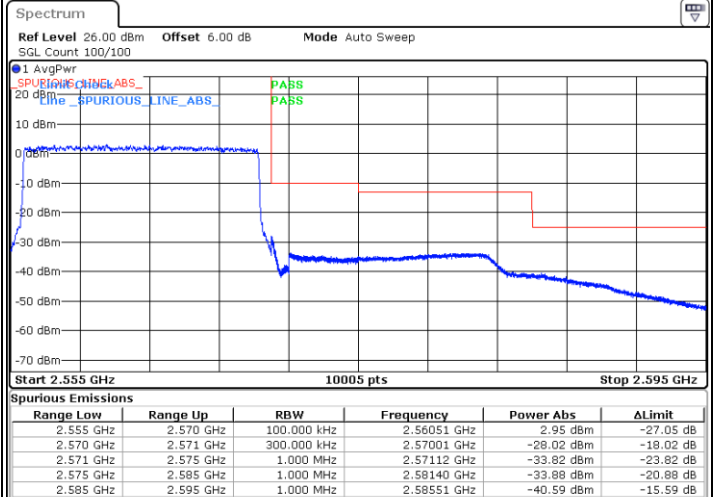
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



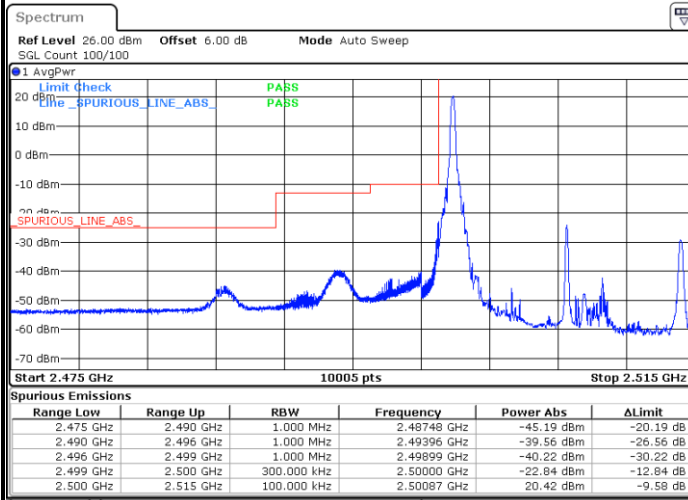
Highest Band Edge / Full RB



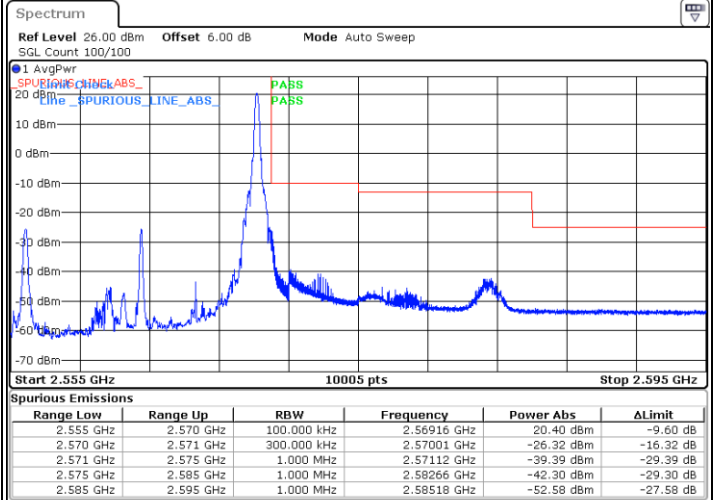


LTE Band 7 / 15MHz / 16QAM

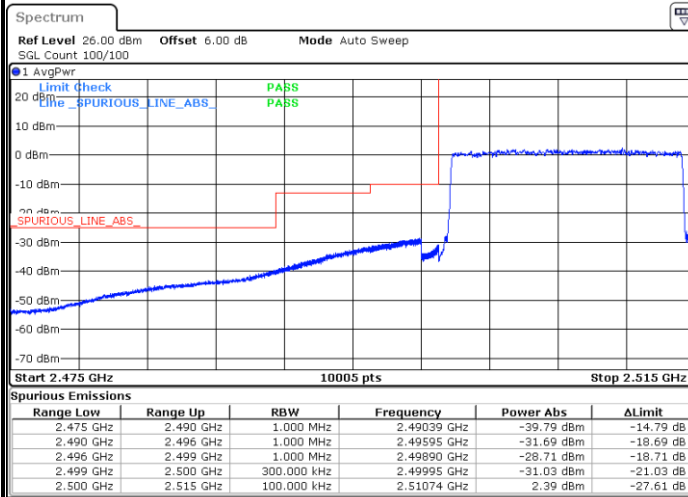
Lowest Band Edge / 1 RB



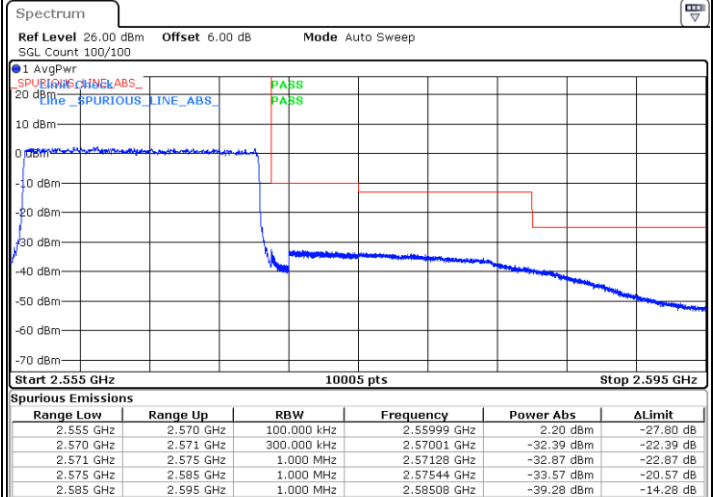
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



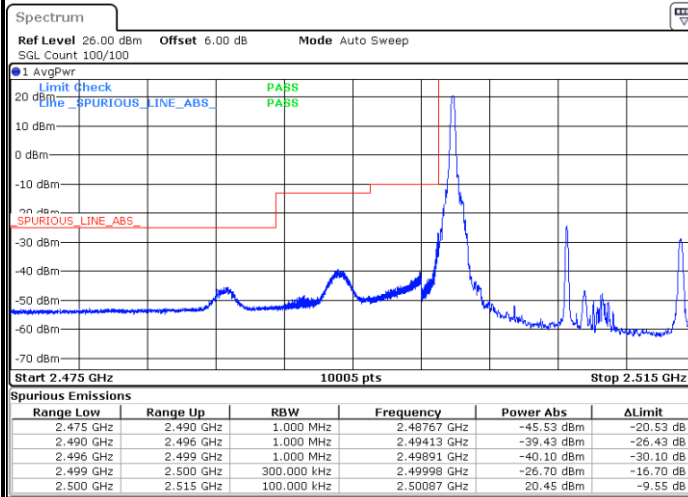
Highest Band Edge / Full RB



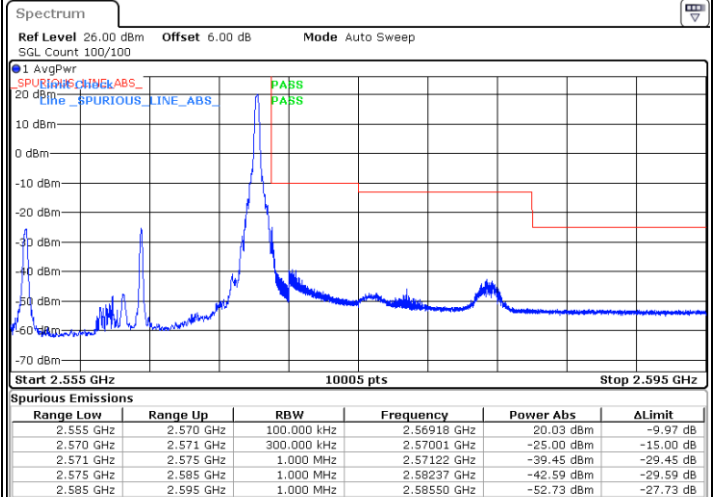


LTE Band 7 / 15MHz / 64QAM

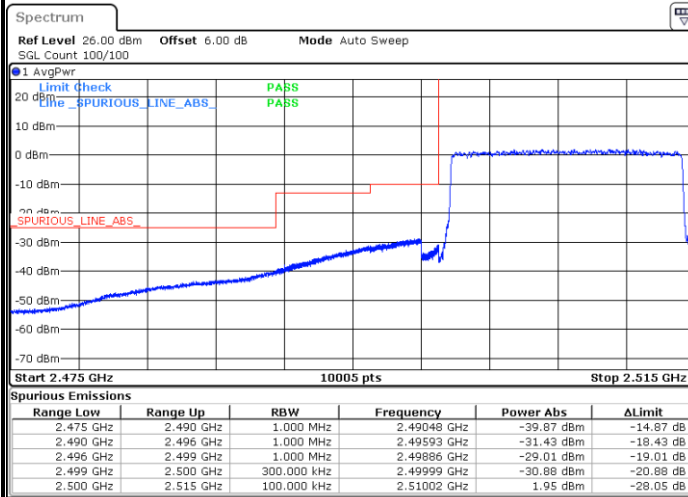
Lowest Band Edge / 1 RB



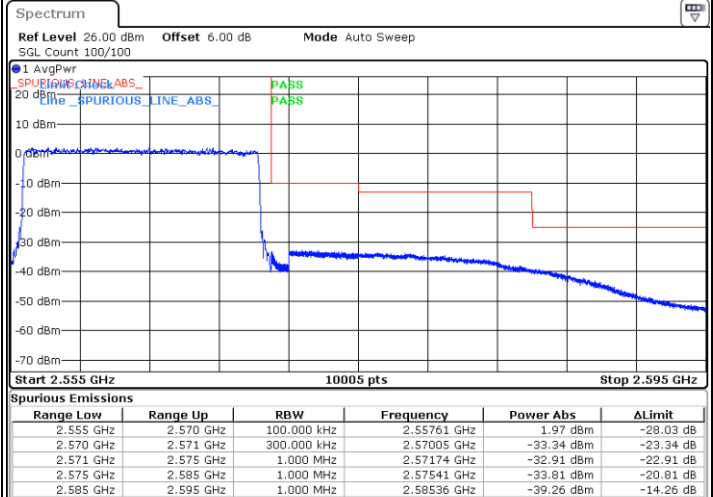
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



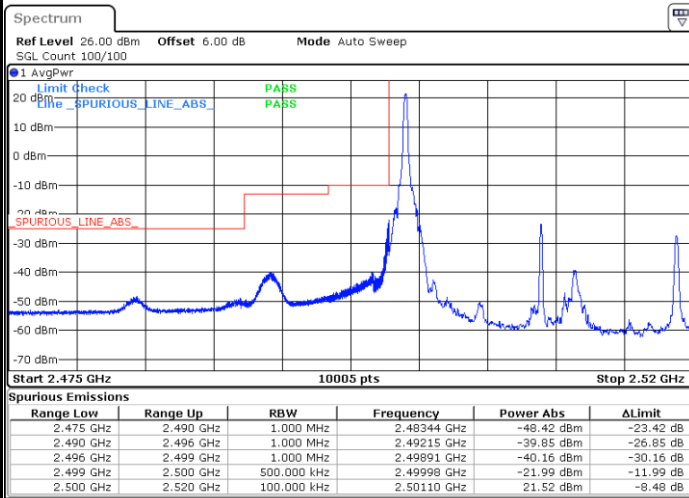
Highest Band Edge / Full RB



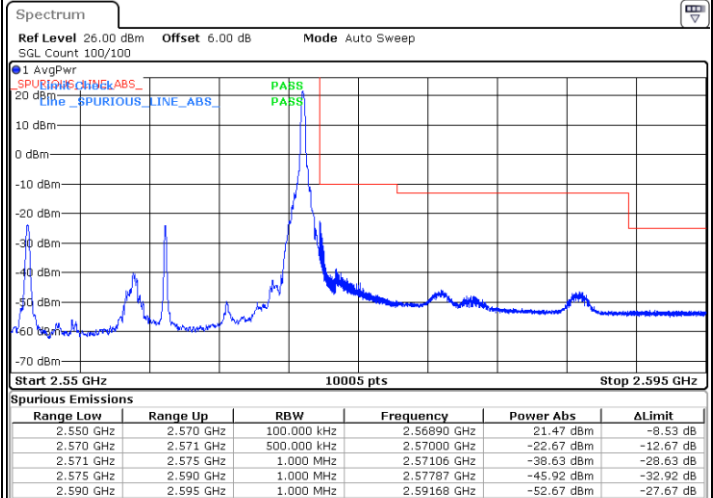


LTE Band 7 / 20MHz / QPSK

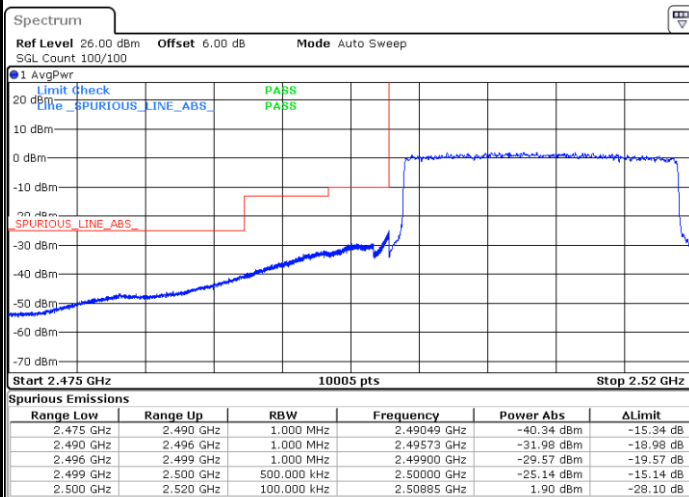
Lowest Band Edge / 1 RB



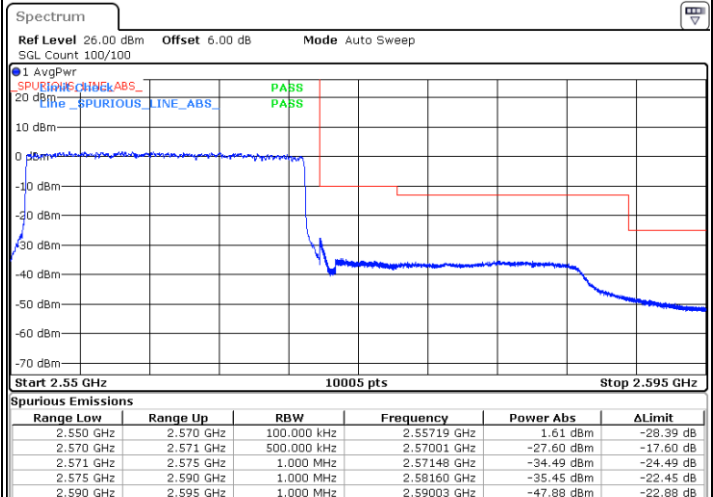
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



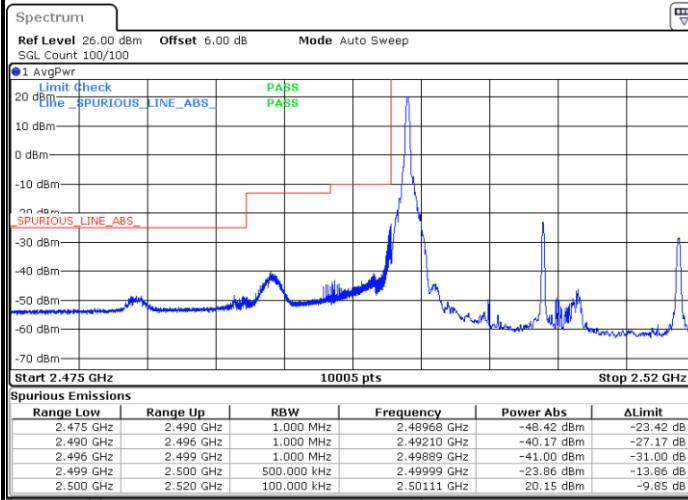
Highest Band Edge / Full RB



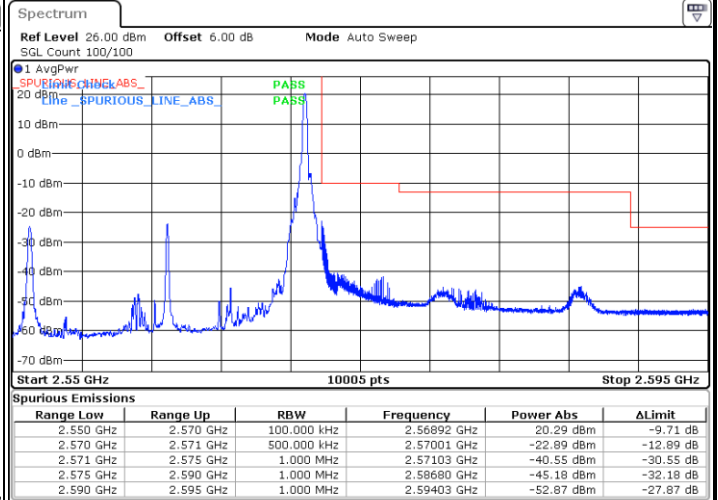


LTE Band 7 / 20MHz / 16QAM

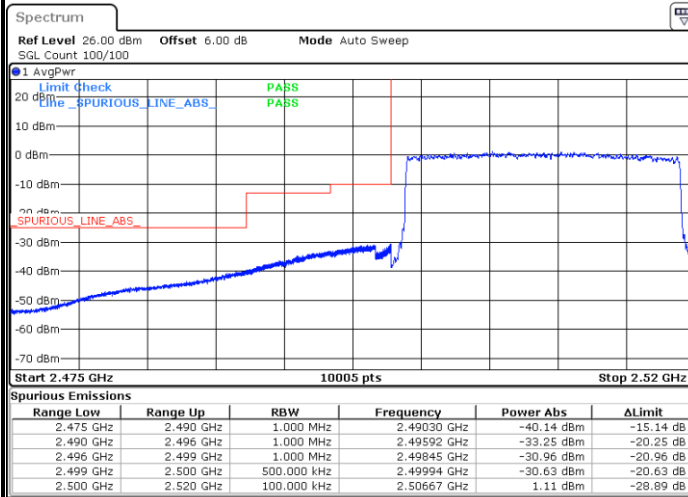
Lowest Band Edge / 1 RB



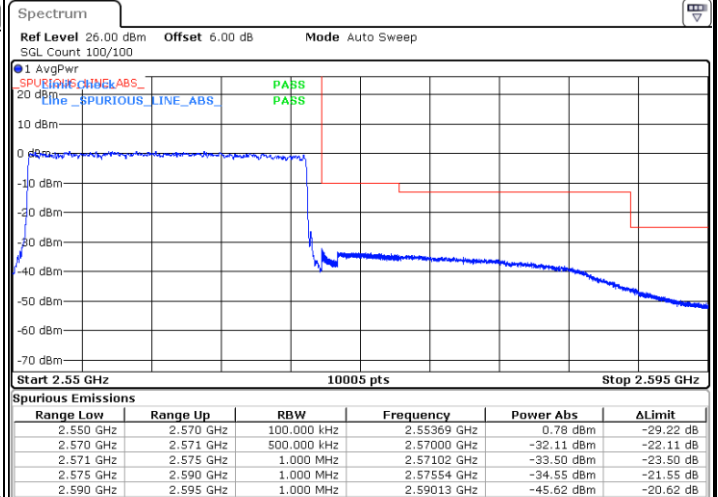
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



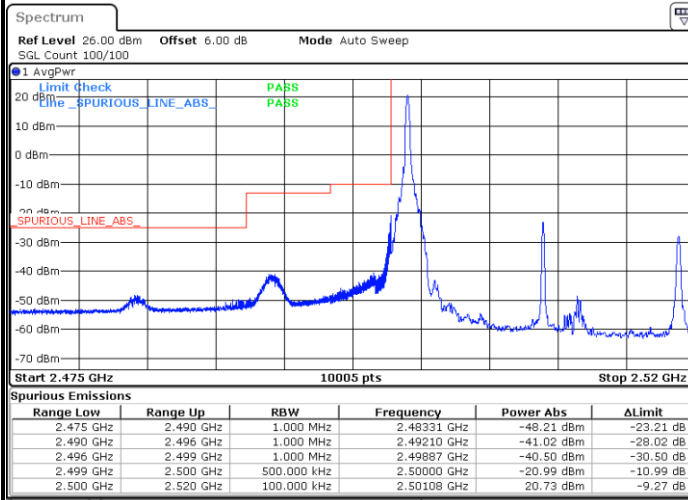
Highest Band Edge / Full RB



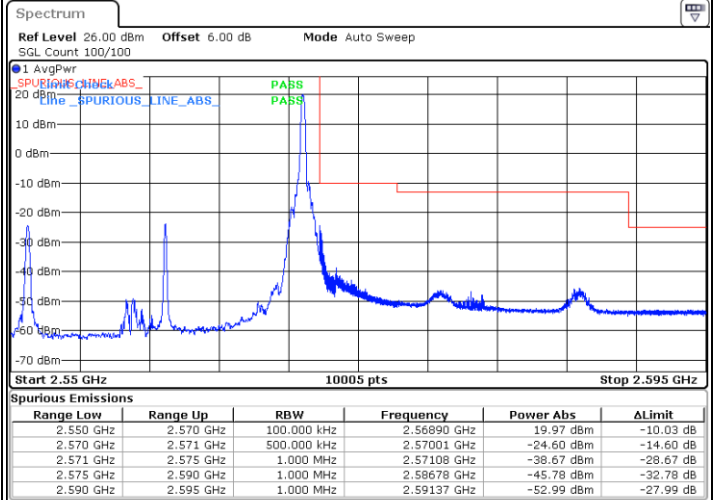


LTE Band 7 / 20MHz / 64QAM

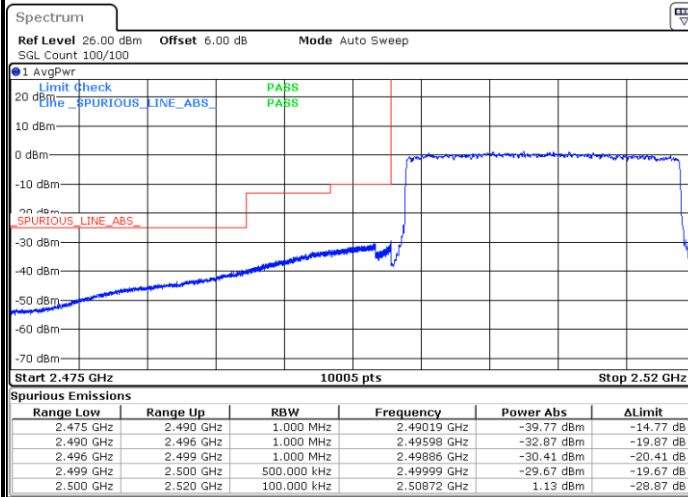
Lowest Band Edge / 1 RB



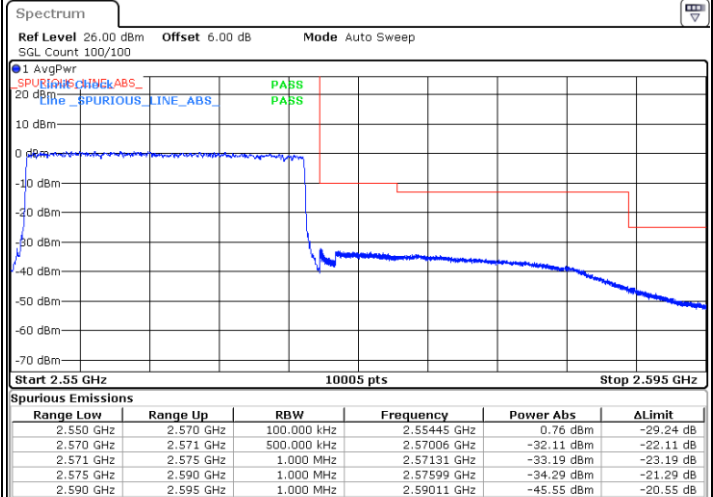
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

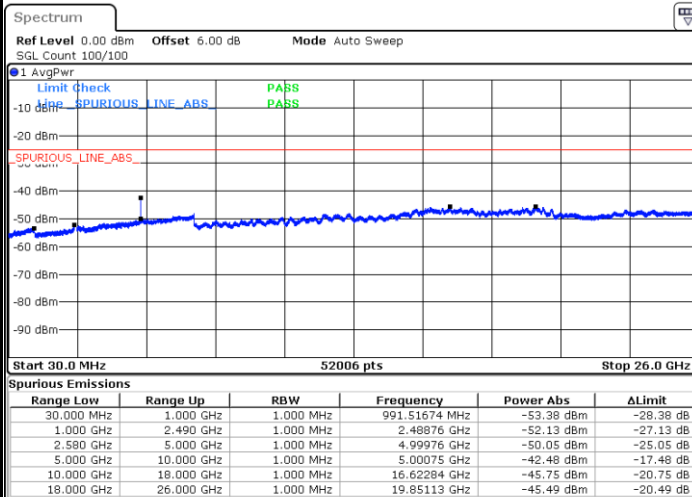




Conducted Spurious Emission

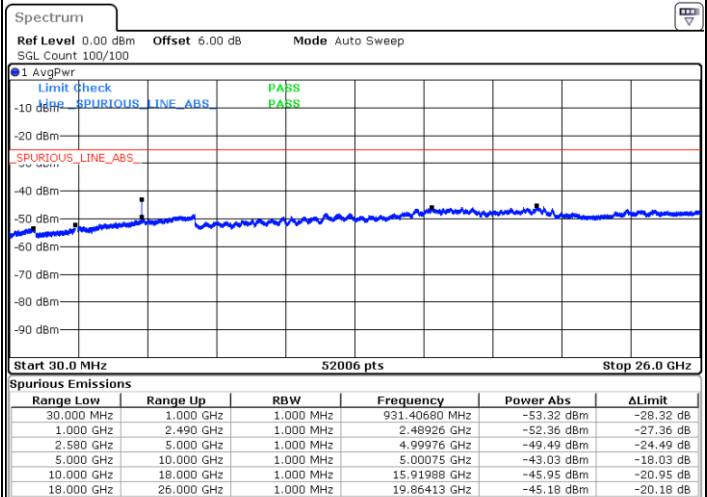
LTE Band 7 / 5MHz

Lowest Channel / QPSK



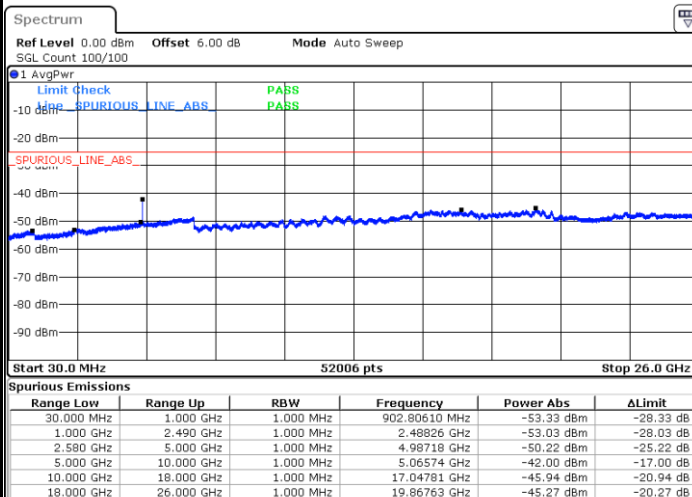
Date: 11.JAN.2020 09:20:59

Lowest Channel / 16QAM



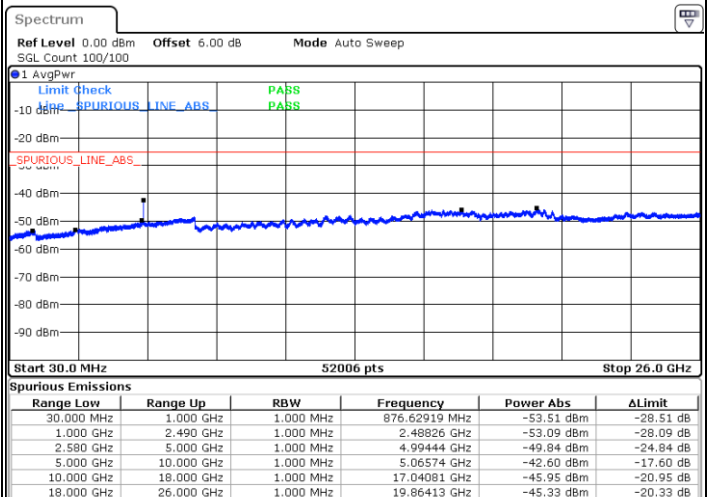
Date: 11.JAN.2020 09:21:53

Middle Channel / QPSK



Date: 11.JAN.2020 09:08:33

Middle Channel / 16QAM

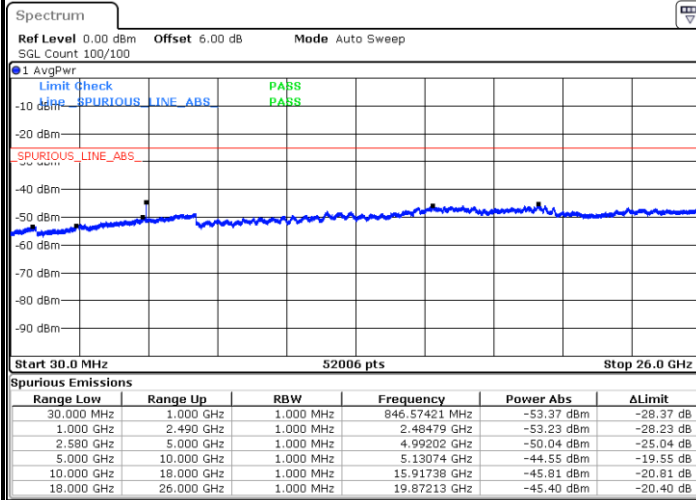


Date: 11.JAN.2020 09:22:46



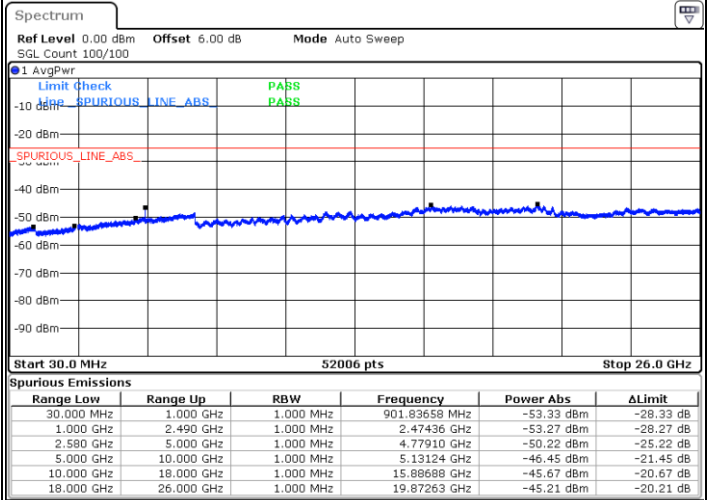
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 11.JAN.2020 09:23:40

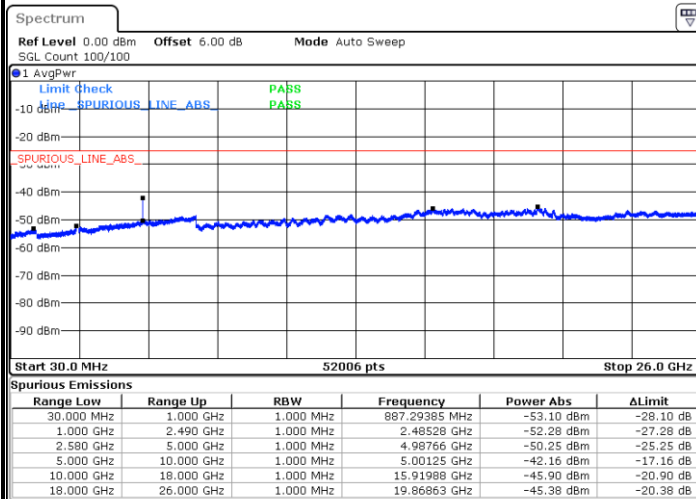
Highest Channel / 16QAM



Date: 11.JAN.2020 09:24:34

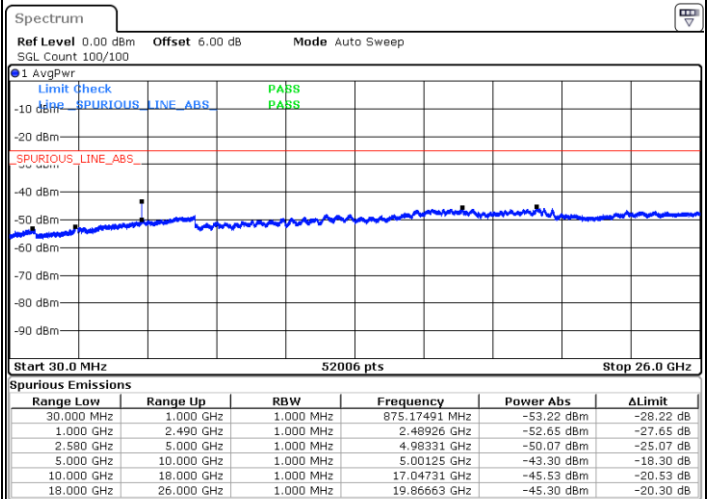
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 11.JAN.2020 09:36:32

Lowest Channel / 16QAM

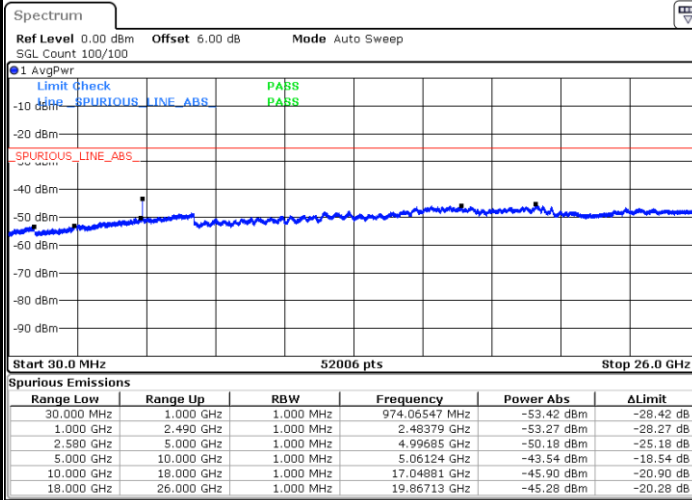


Date: 11.JAN.2020 09:37:26



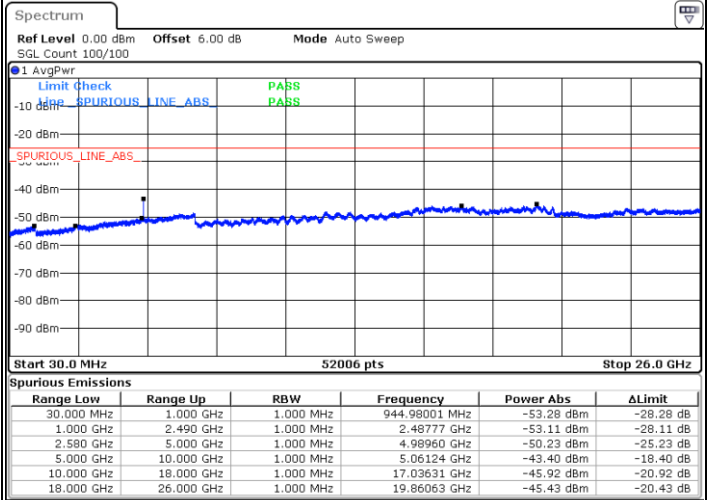
LTE Band 7 / 10MHz

Middle Channel / QPSK



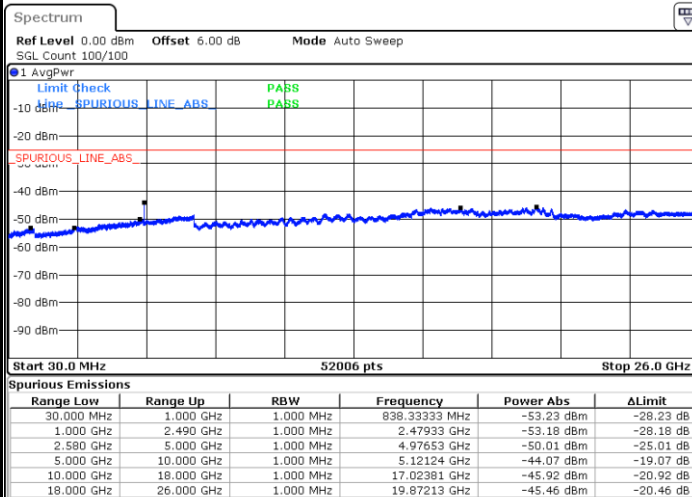
Date: 11.JAN.2020 09:39:13

Middle Channel / 16QAM



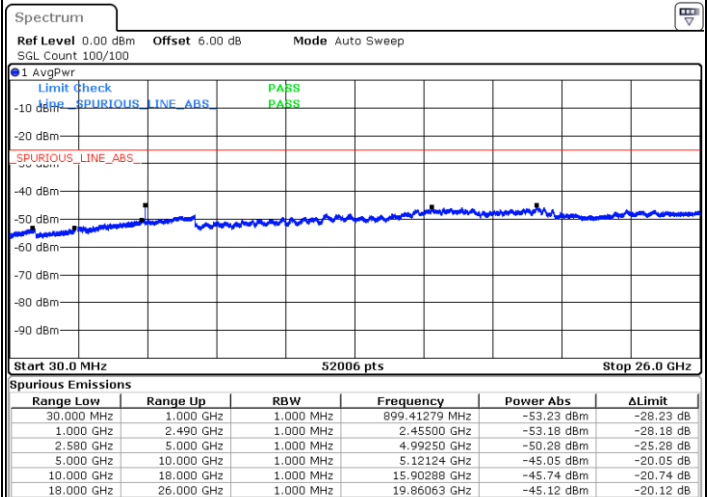
Date: 11.JAN.2020 09:38:20

Highest Channel / QPSK



Date: 11.JAN.2020 09:40:07

Highest Channel / 16QAM

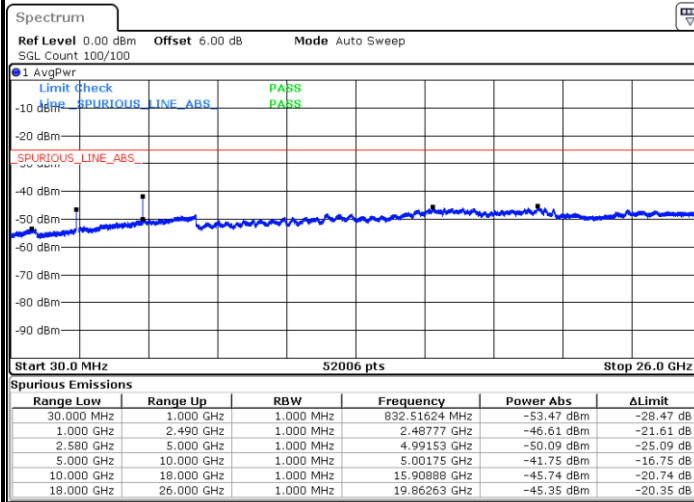


Date: 11.JAN.2020 09:41:01



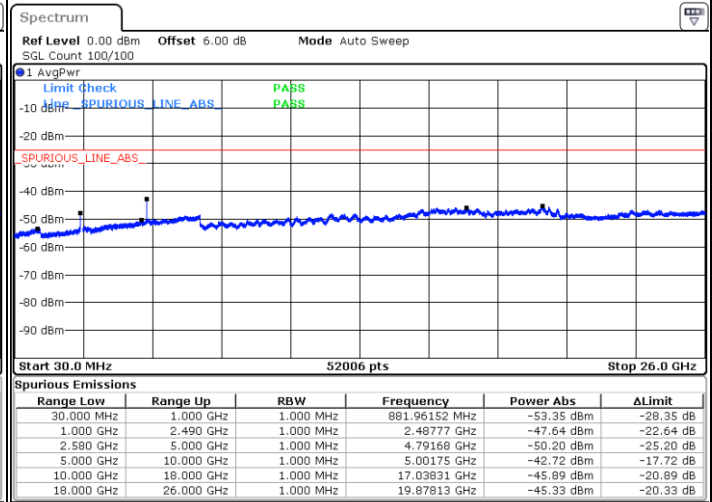
LTE Band 7 / 15MHz

Lowest Channel / QPSK



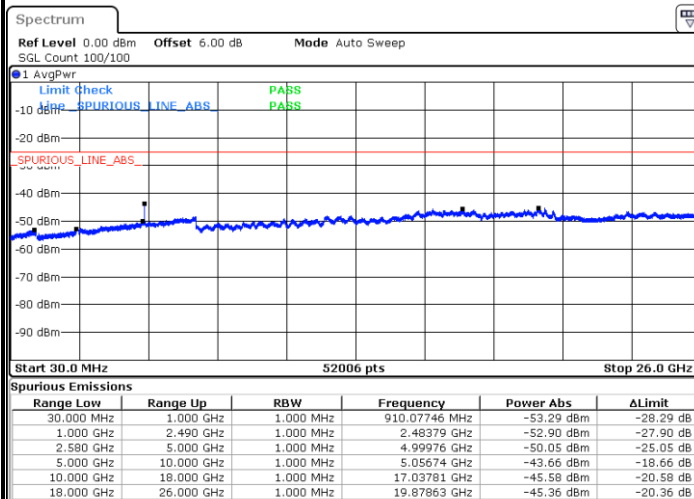
Date: 11.JAN.2020 09:52:59

Lowest Channel / 16QAM



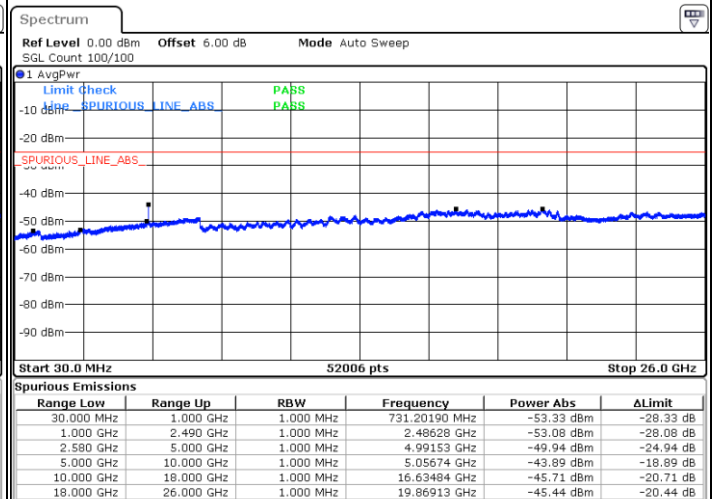
Date: 11.JAN.2020 09:53:53

Middle Channel / QPSK



Date: 11.JAN.2020 09:55:41

Middle Channel / 16QAM

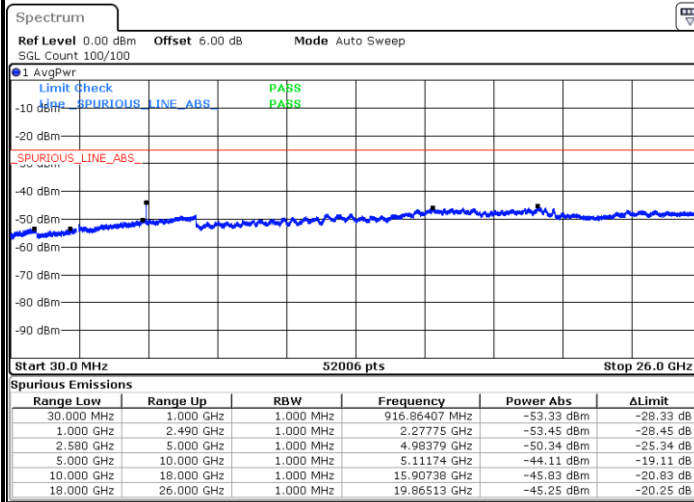


Date: 11.JAN.2020 09:54:47



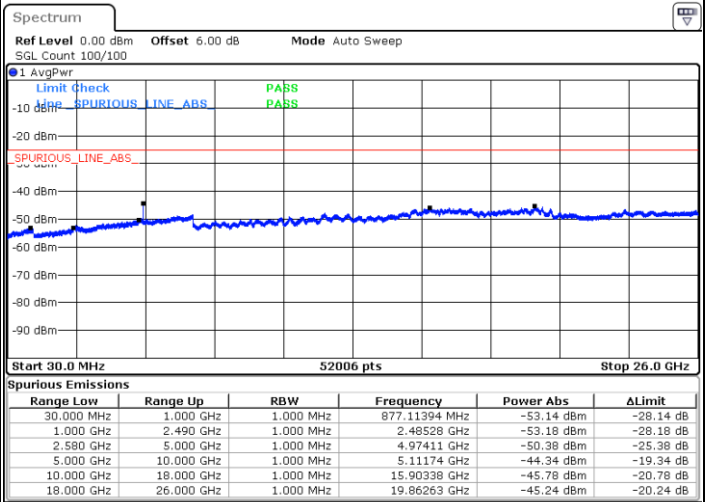
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 11.JAN.2020 09:56:35

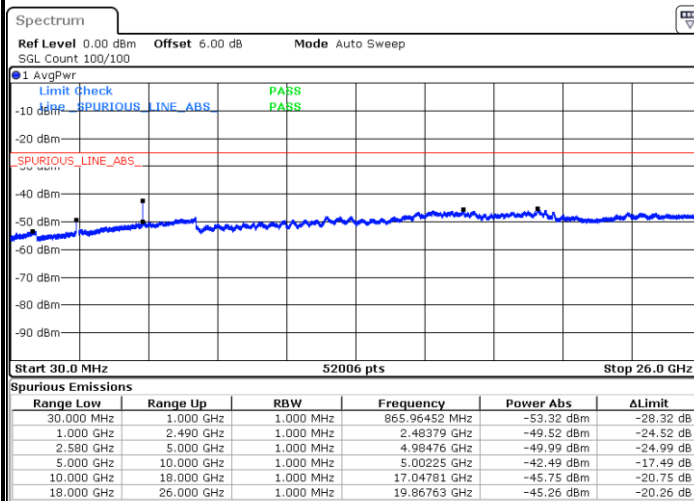
Highest Channel / 16QAM



Date: 11.JAN.2020 09:57:28

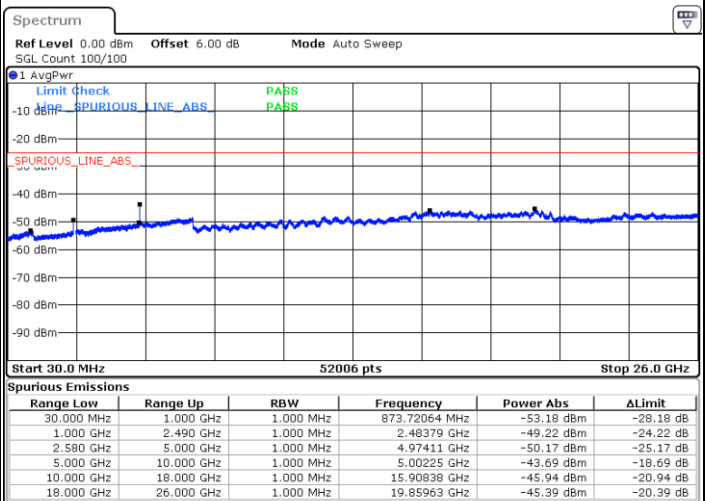
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 11.JAN.2020 10:09:27

Lowest Channel / 16QAM

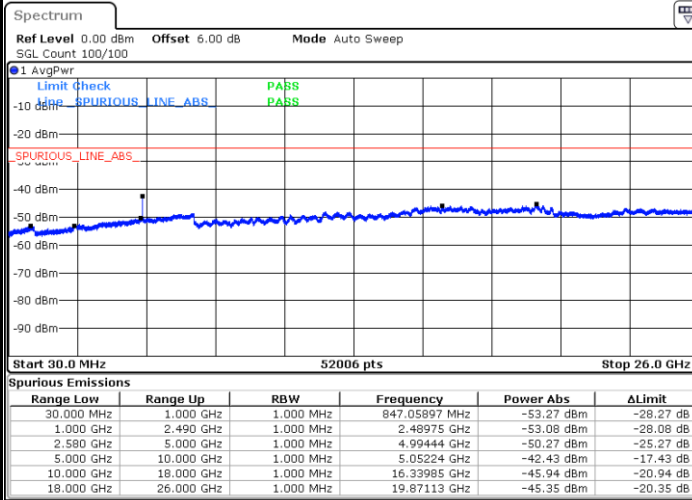


Date: 11.JAN.2020 10:10:21



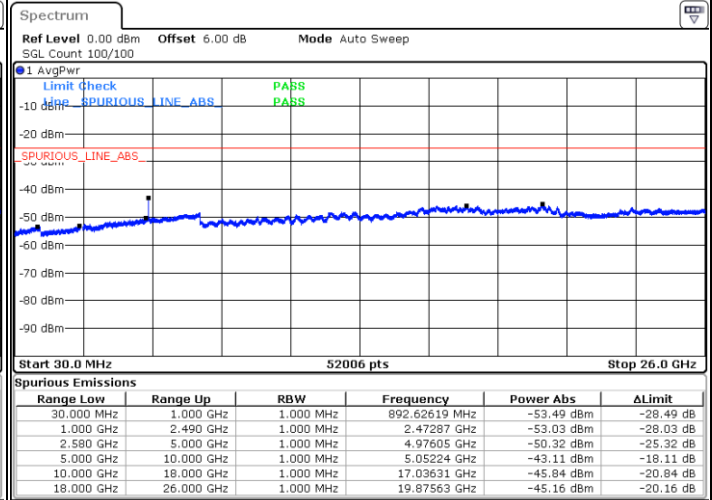
LTE Band 7 / 20MHz

Middle Channel / QPSK



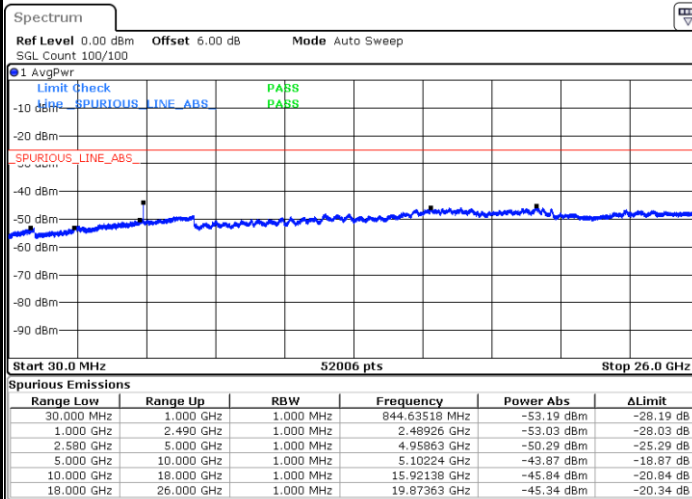
Date: 11.JAN.2020 10:12:09

Middle Channel / 16QAM



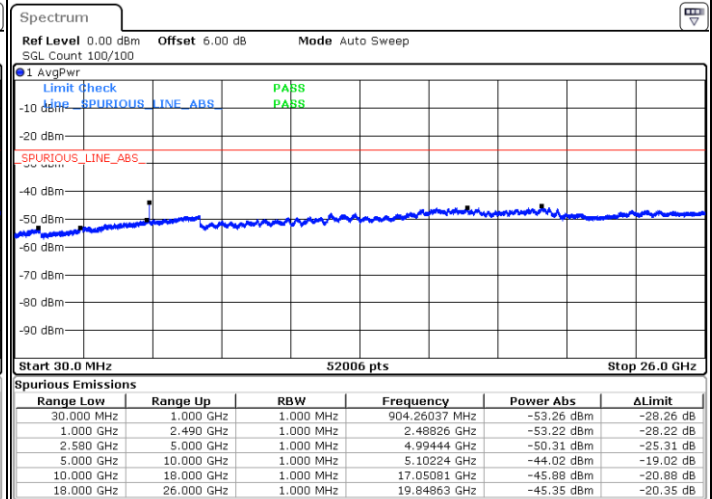
Date: 11.JAN.2020 10:11:15

Highest Channel / QPSK



Date: 11.JAN.2020 10:13:03

Highest Channel / 16QAM

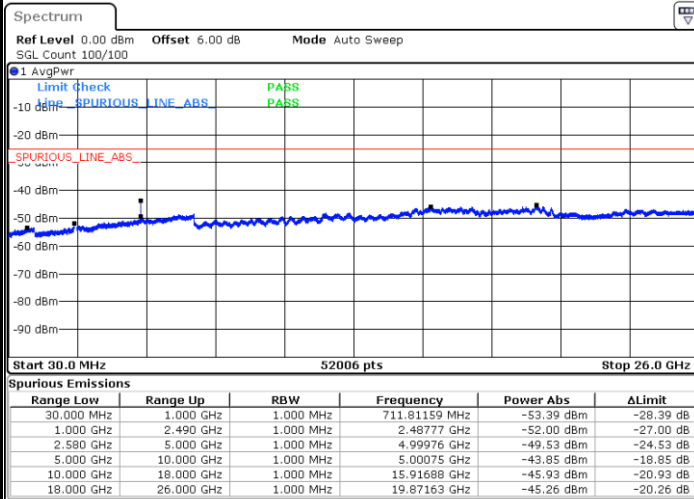


Date: 11.JAN.2020 10:13:57



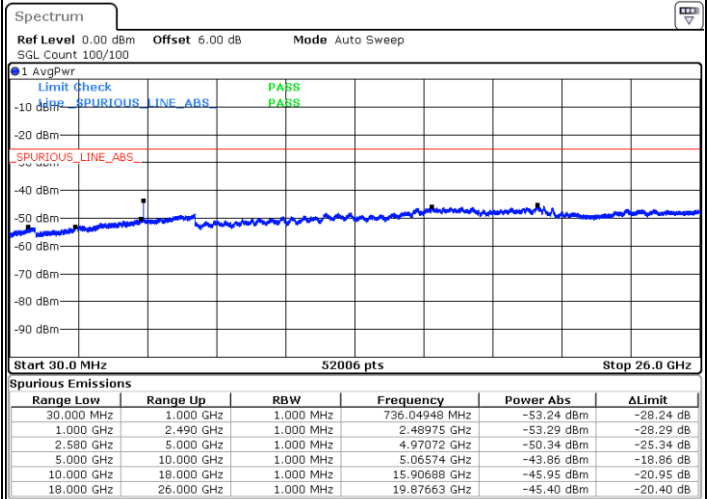
LTE Band 7 / 5MHz

Lowest Channel / 64QAM



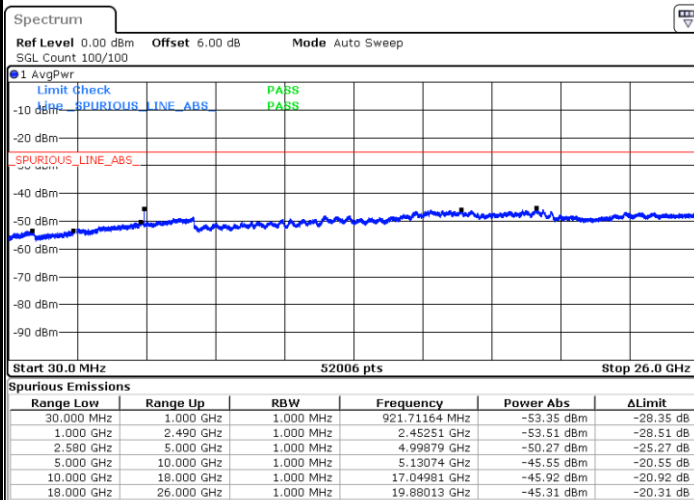
Date: 11.JAN.2020 10:15:51

Middle Channel / 64QAM



Date: 11.JAN.2020 10:16:44

Highest Channel / 64QAM

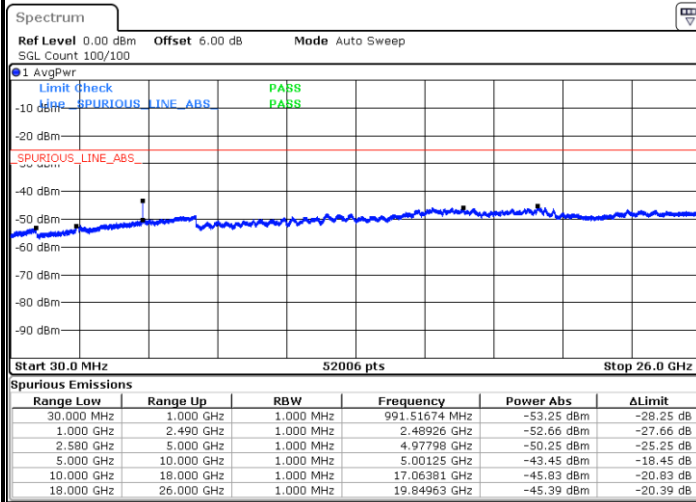


Date: 11.JAN.2020 10:17:38



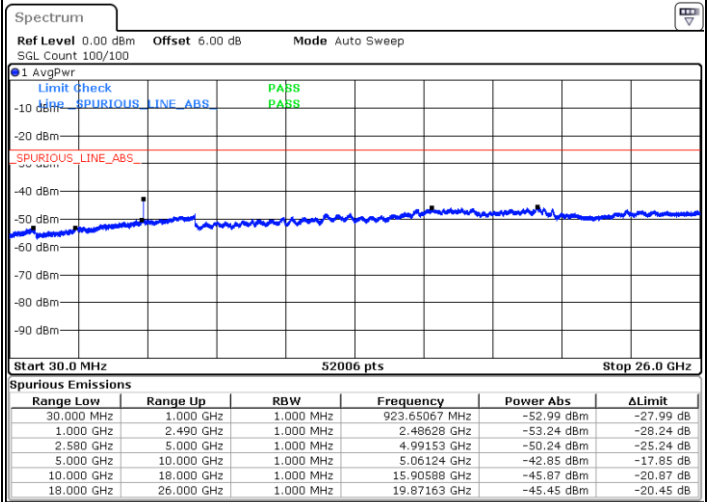
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



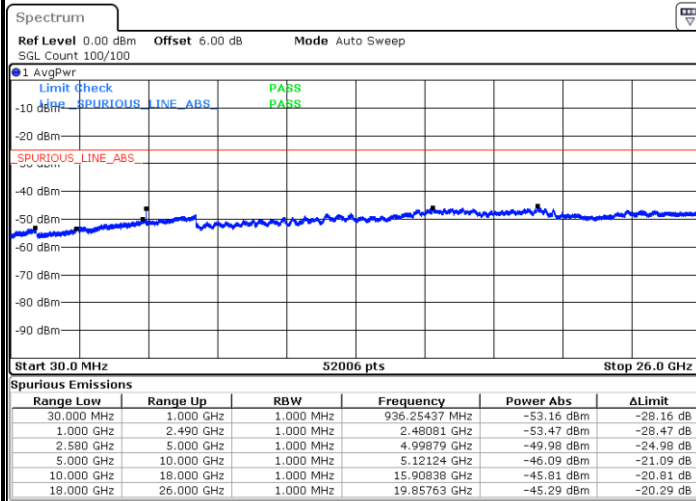
Date: 11.JAN.2020 10:24:05

Middle Channel / 64QAM



Date: 11.JAN.2020 10:24:58

Highest Channel / 64QAM

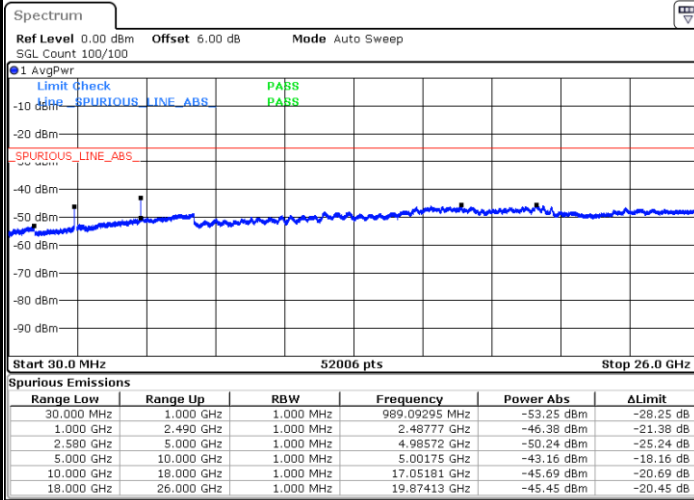


Date: 11.JAN.2020 10:25:52



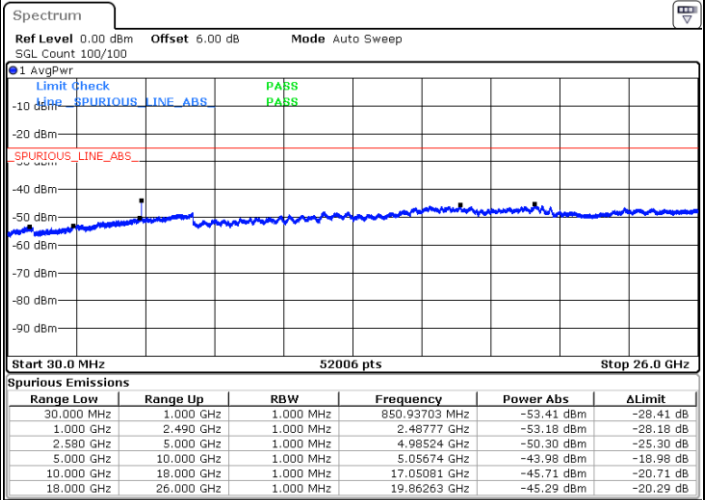
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



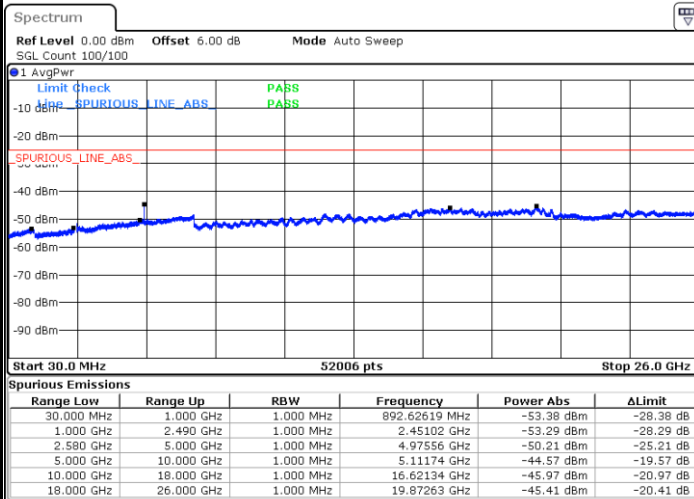
Date: 11.JAN.2020 10:36:51

Middle Channel / 64QAM



Date: 11.JAN.2020 10:37:45

Highest Channel / 64QAM

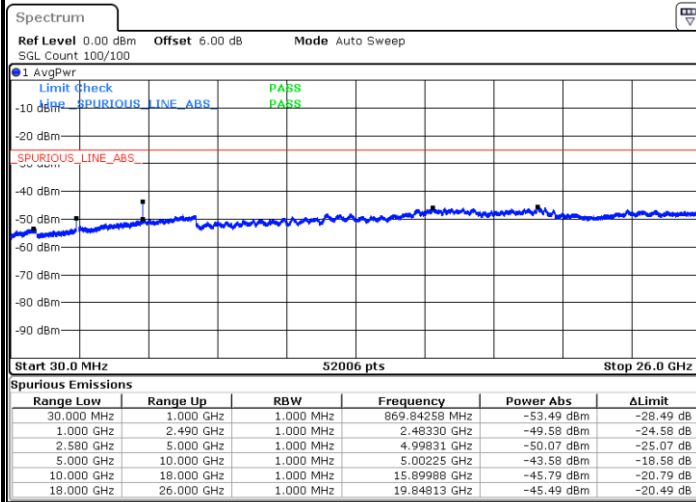


Date: 11.JAN.2020 10:38:39



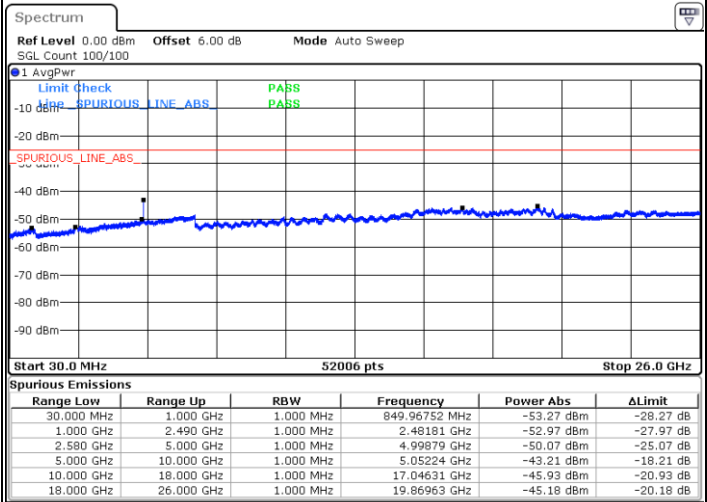
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



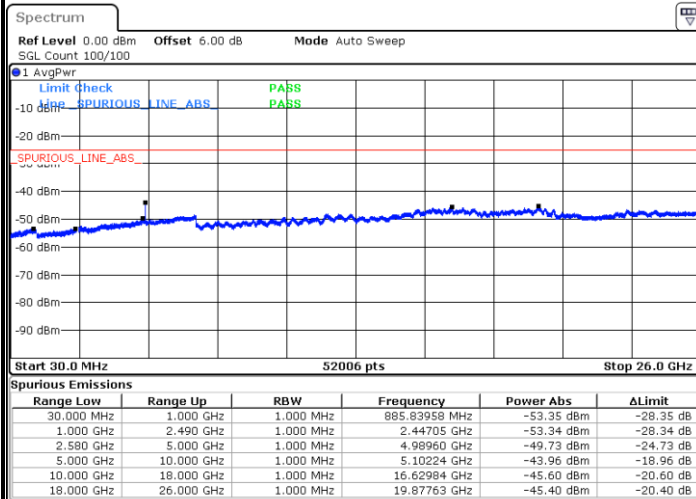
Date: 11.JAN.2020 10:45:05

Middle Channel / 64QAM



Date: 11.JAN.2020 10:45:59

Highest Channel / 64QAM



Date: 11.JAN.2020 10:46:53

**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	0.0043	PASS
40	Normal Voltage	0.0058	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0027	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

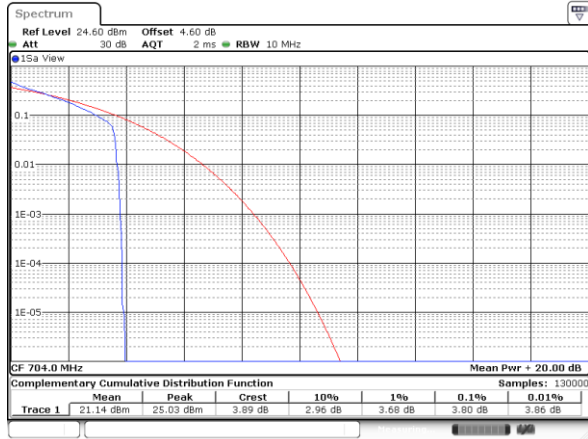
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.80	4.70	5.36	6.00	PASS
Middle CH	3.59	4.81	5.10	6.06	
Highest CH	3.65	4.75	5.25	6.12	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	6.61	6.55	PASS		
Middle CH	6.35	6.58			
Highest CH	6.49	6.78			



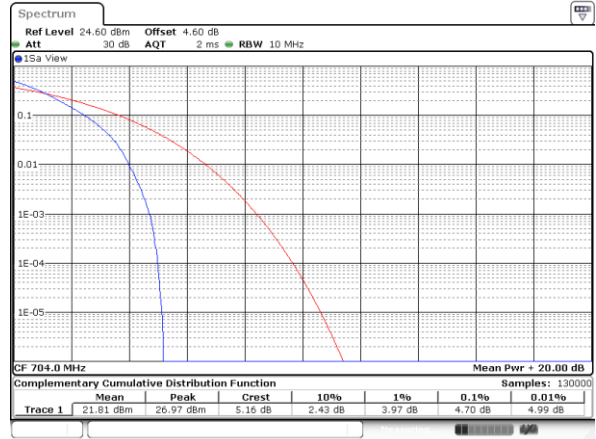
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



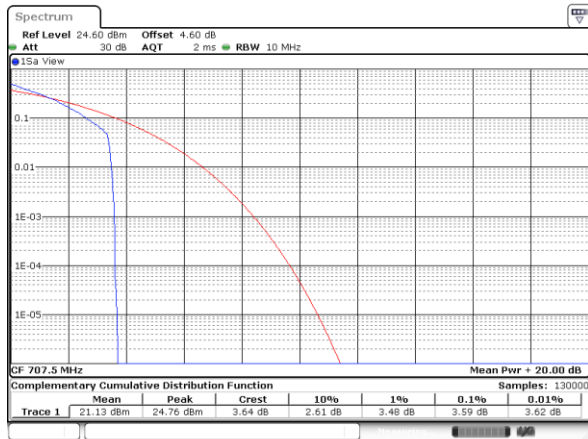
Date: 11 JAN 2020 18:56:52

Lowest Channel / Full RB



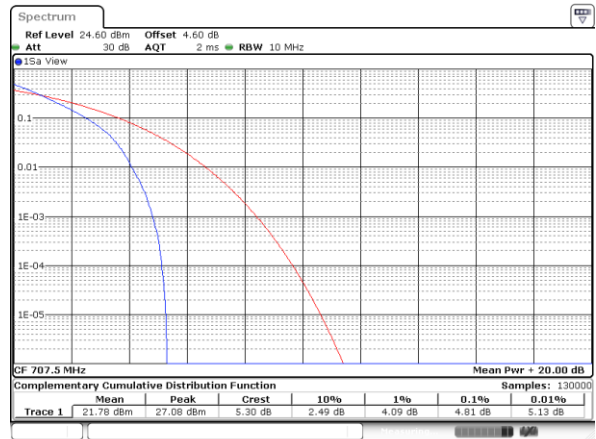
Date: 11 JAN 2020 18:57:01

Middle Channel / 1RB



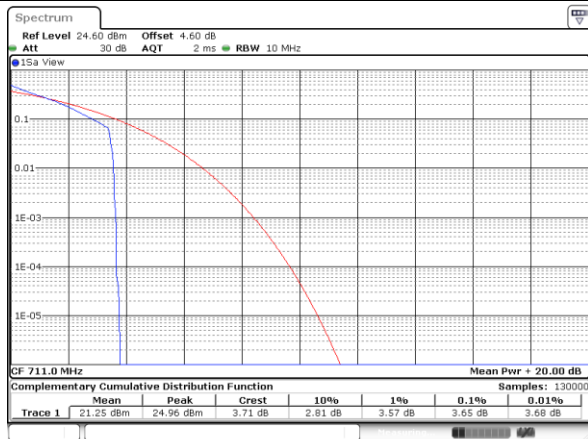
Date: 11 JAN 2020 18:57:37

Middle Channel / Full RB



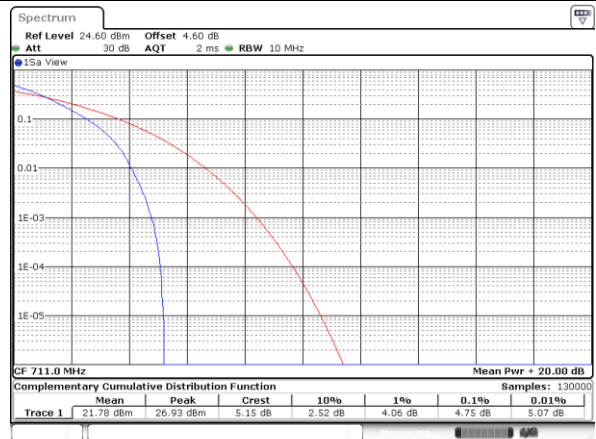
Date: 11 JAN 2020 18:57:28

Highest Channel / 1RB

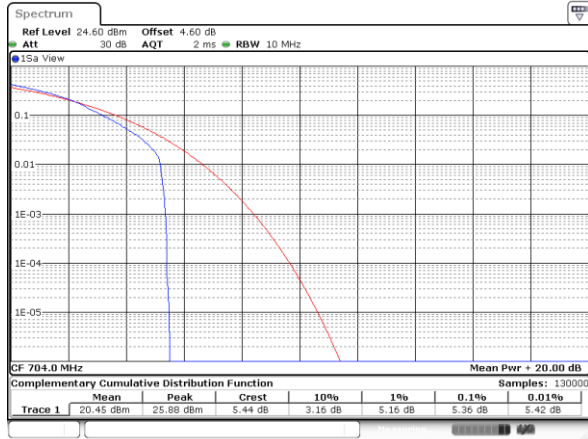


Date: 11 JAN 2020 18:58:04

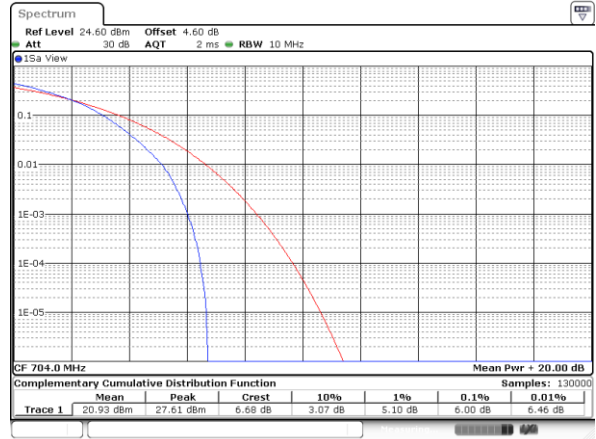
Highest Channel / Full RB



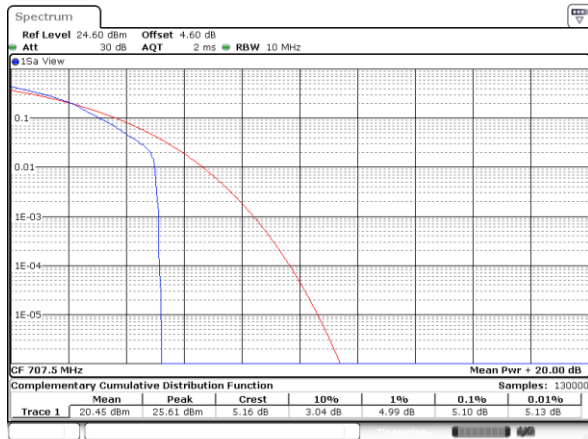
Date: 11 JAN 2020 18:58:12

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


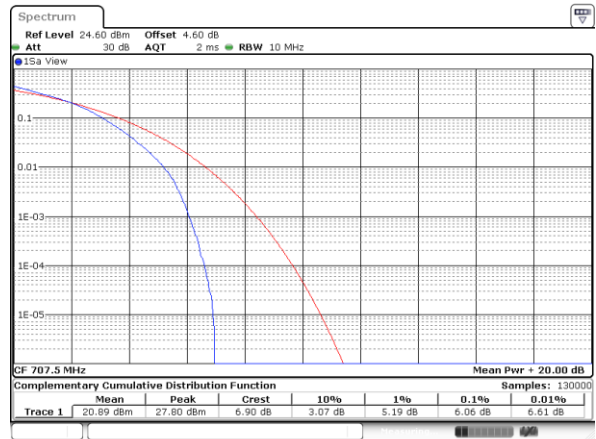
Date: 11 JAN 2020 18:56:43

Lowest Channel / Full RB


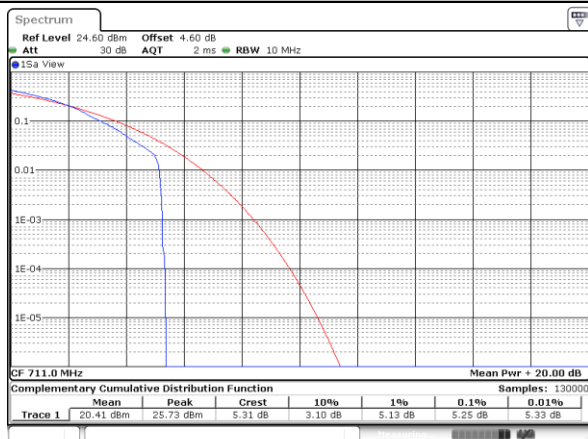
Date: 11 JAN 2020 18:57:10

Middle Channel / 1RB


Date: 11 JAN 2020 18:57:46

Middle Channel / Full RB


Date: 11 JAN 2020 18:57:19

Highest Channel / 1RB


Date: 11 JAN 2020 18:57:55

Highest Channel / Full RB


Date: 11 JAN 2020 18:58:21