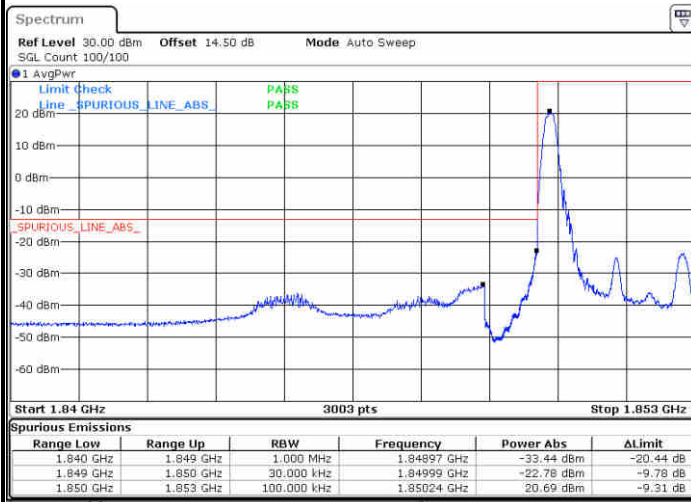




LTE Band 2 / 3MHz / QPSK

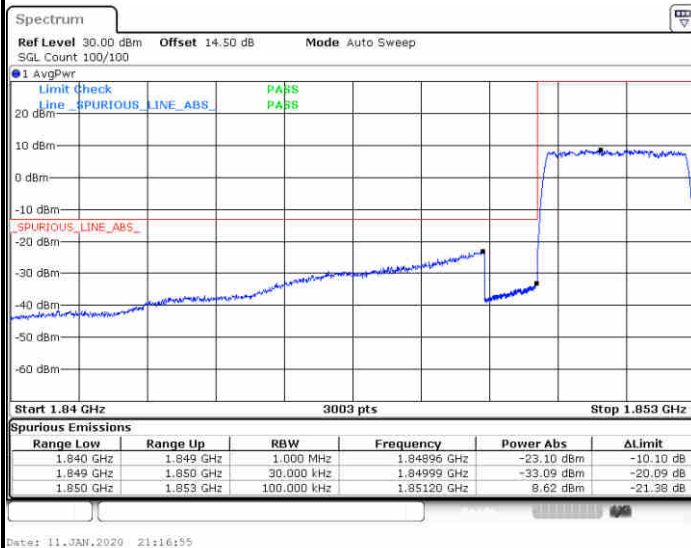
Lowest Band Edge / 1RB



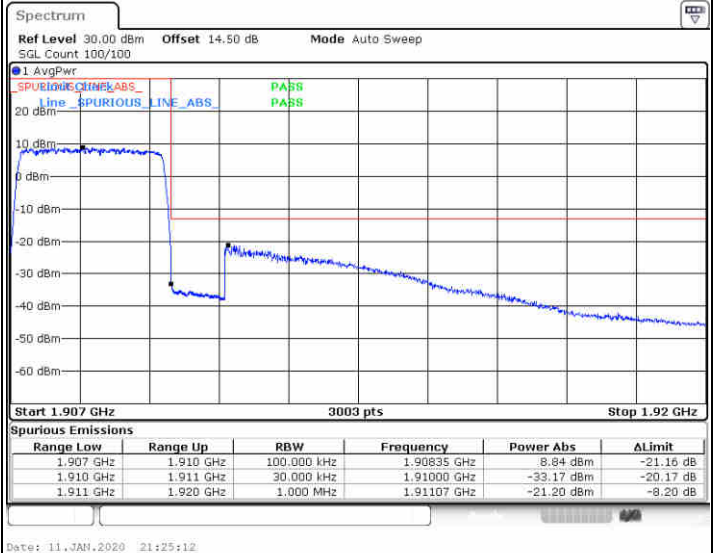
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



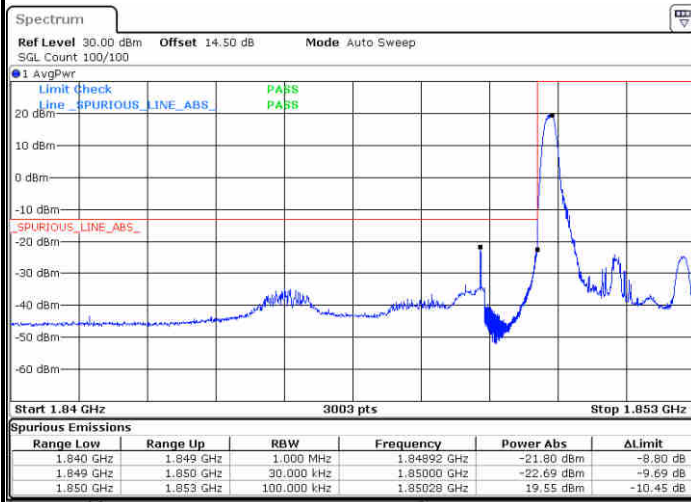
Highest Band Edge / Full RB



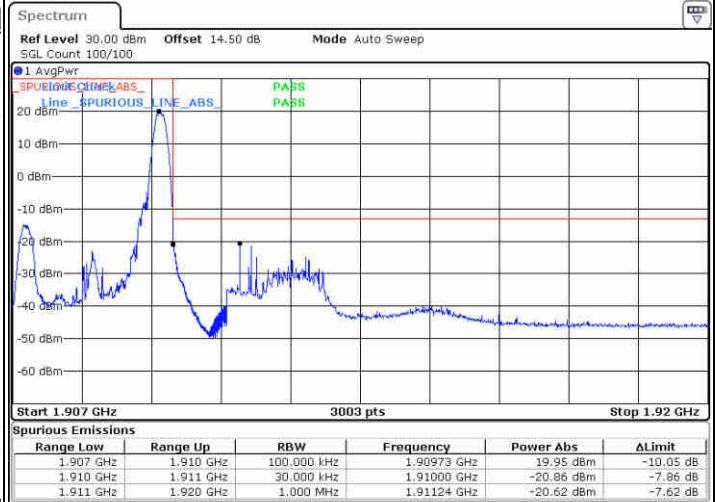


LTE Band 2 / 3MHz / 16QAM

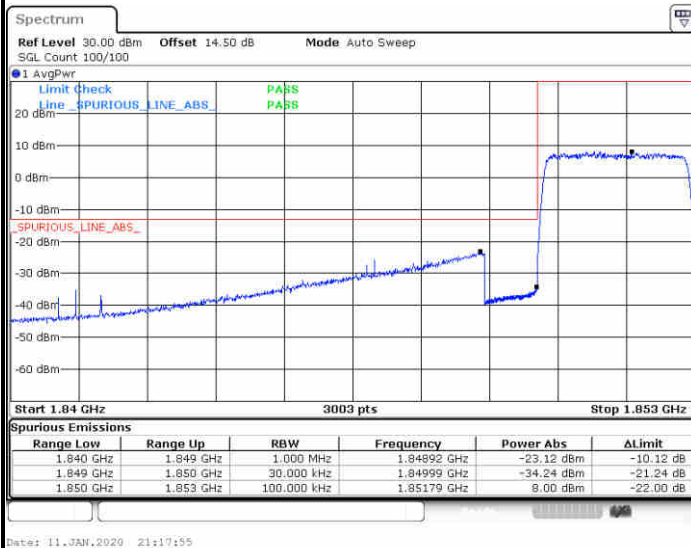
Lowest Band Edge / 1 RB



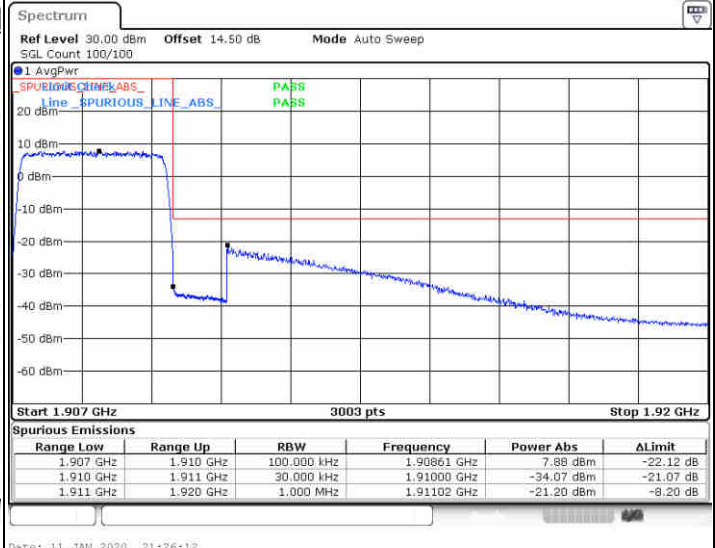
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



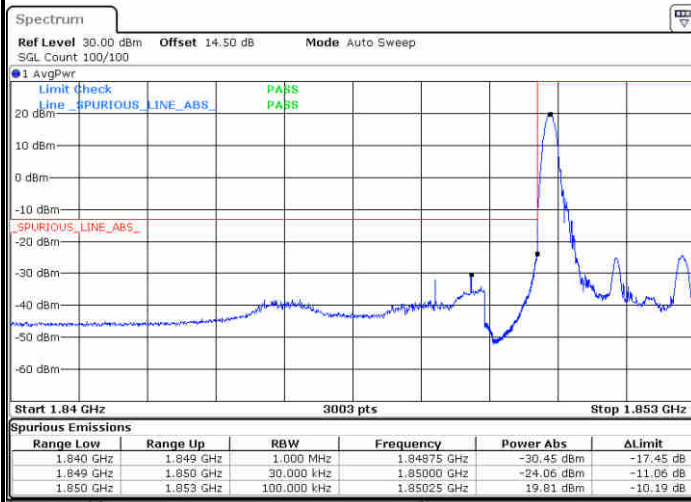
Highest Band Edge / Full RB





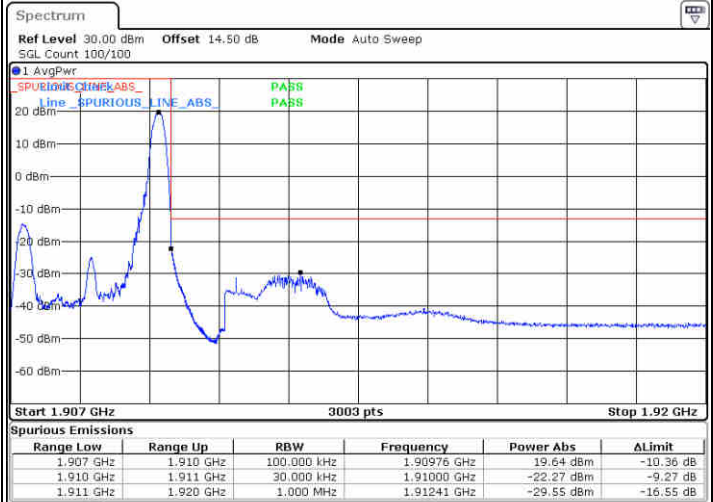
LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



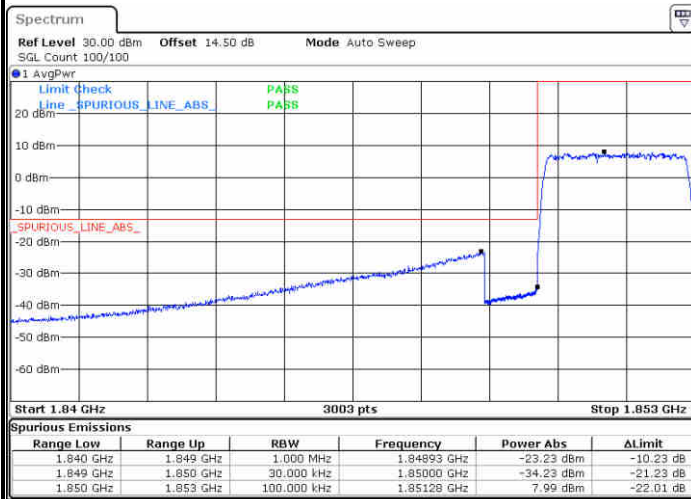
Date: 11, JAN, 2020 22:45:51

Highest Band Edge / 1 RB



Date: 11, JAN, 2020 22:48:59

Lowest Band Edge / Full RB



Date: 11, JAN, 2020 22:46:51

Highest Band Edge / Full RB

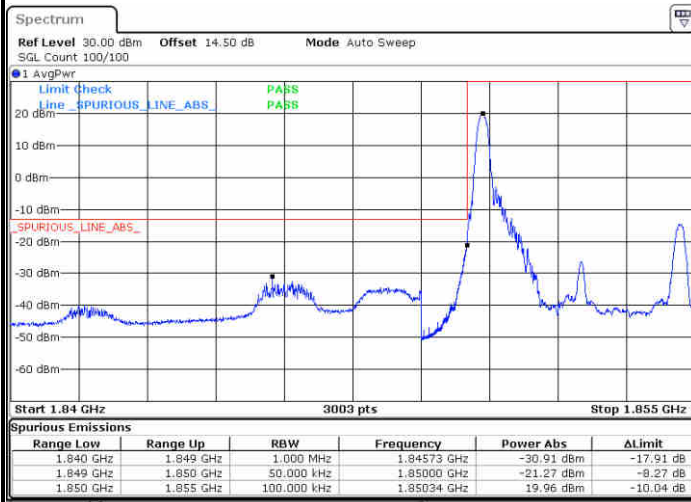


Date: 11, JAN, 2020 22:50:59



LTE Band 2 / 5MHz / QPSK

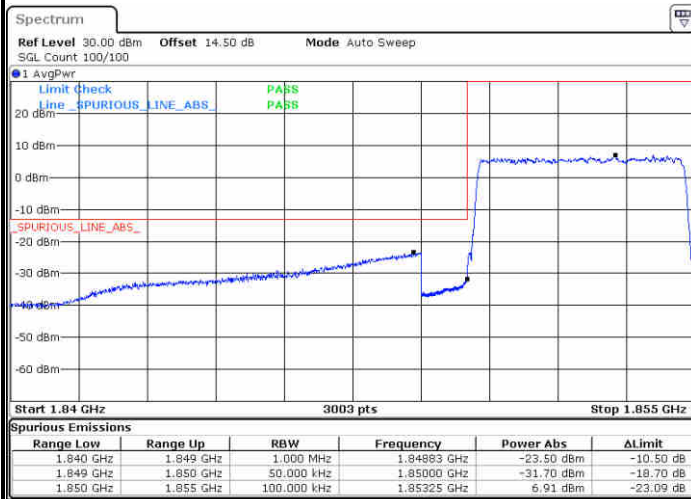
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



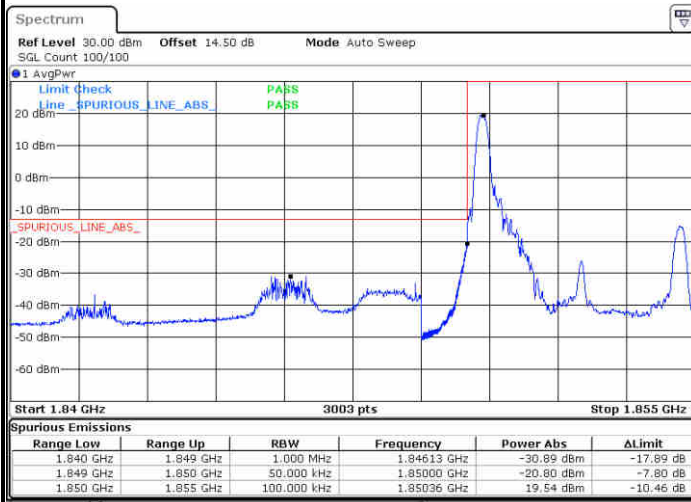
Highest Band Edge / Full RB





LTE Band 2 / 5MHz / 16QAM

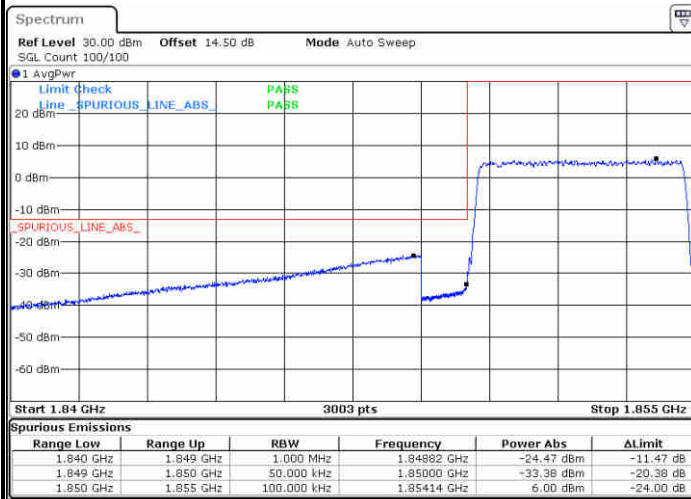
Lowest Band Edge / 1RB



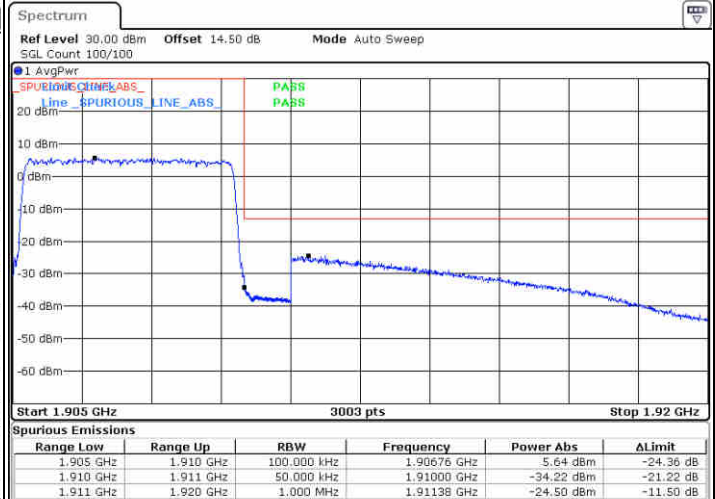
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



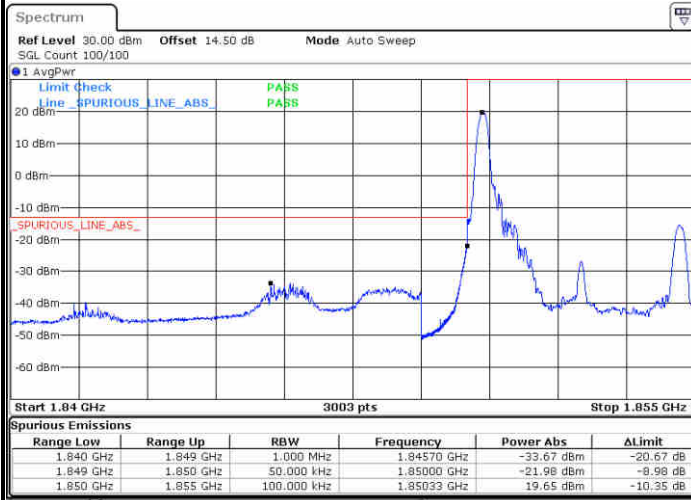
Highest Band Edge / Full RB





LTE Band 2 / 5MHz / 64QAM

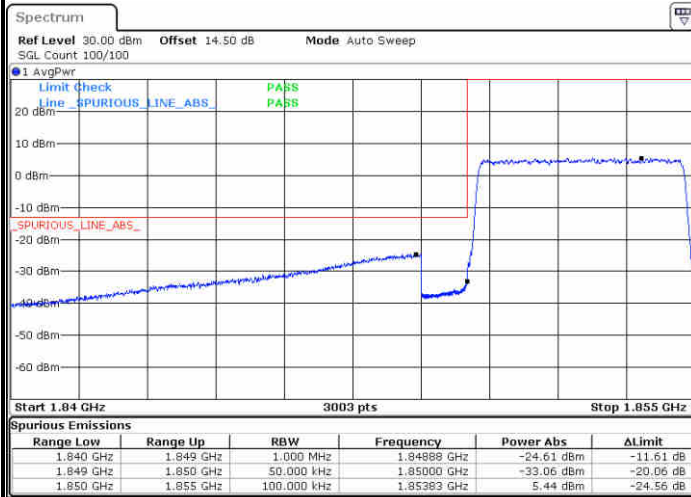
Lowest Band Edge / 1RB



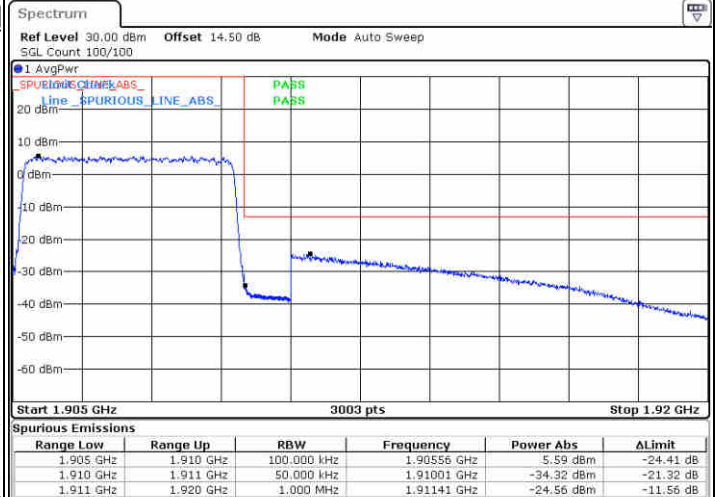
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



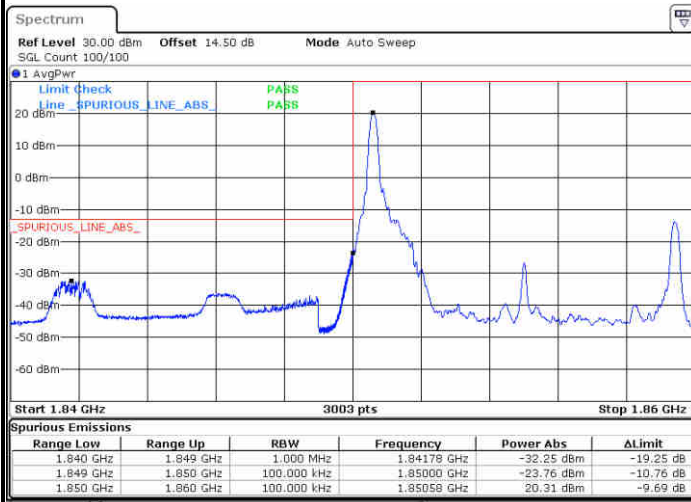
Highest Band Edge / Full RB



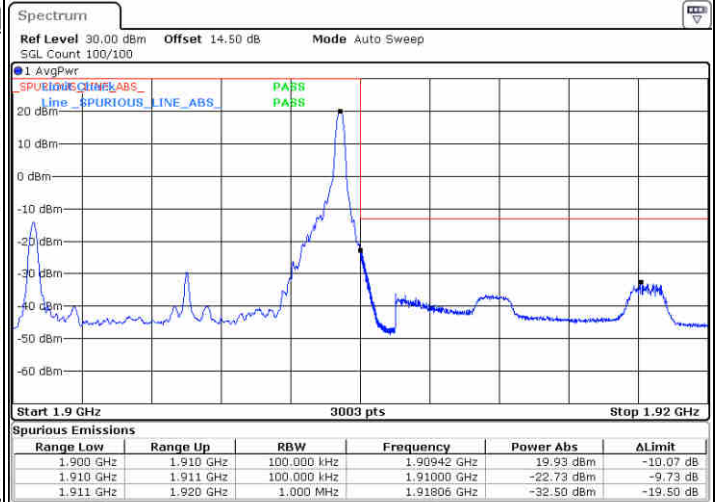


LTE Band 2 / 10MHz / QPSK

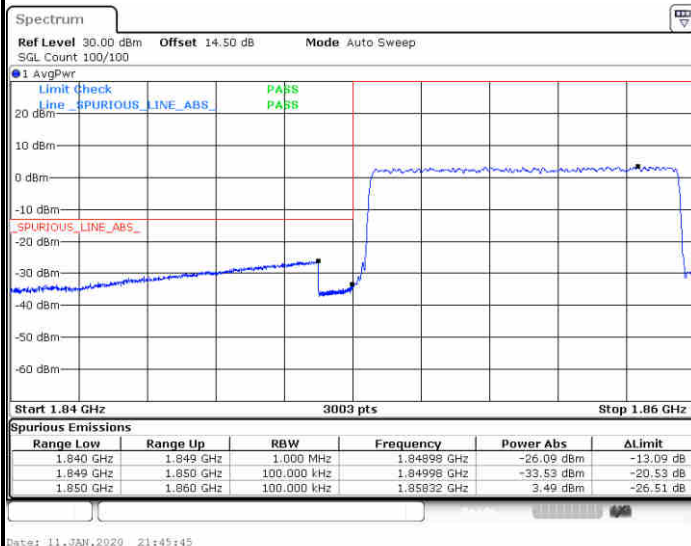
Lowest Band Edge / 1 RB



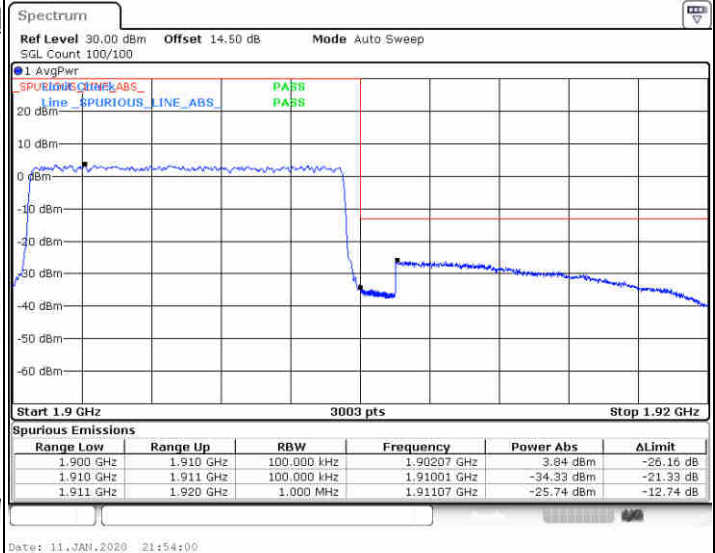
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



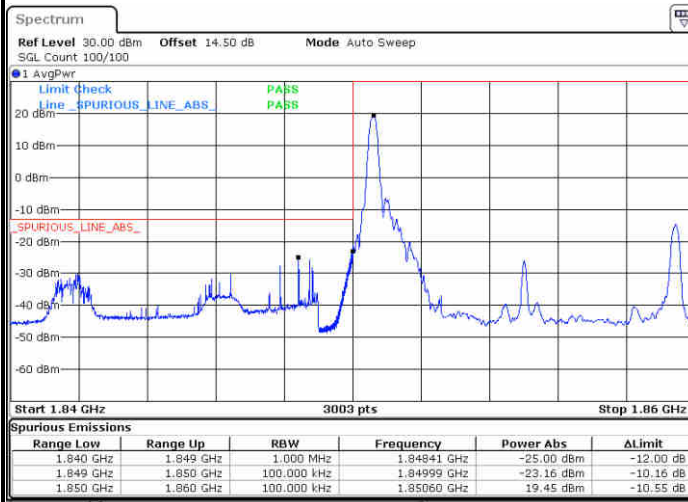
Highest Band Edge / Full RB



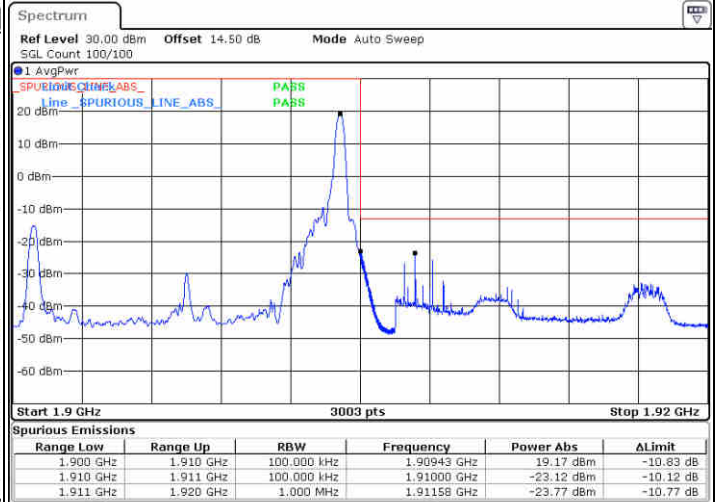


LTE Band 2 / 10MHz / 16QAM

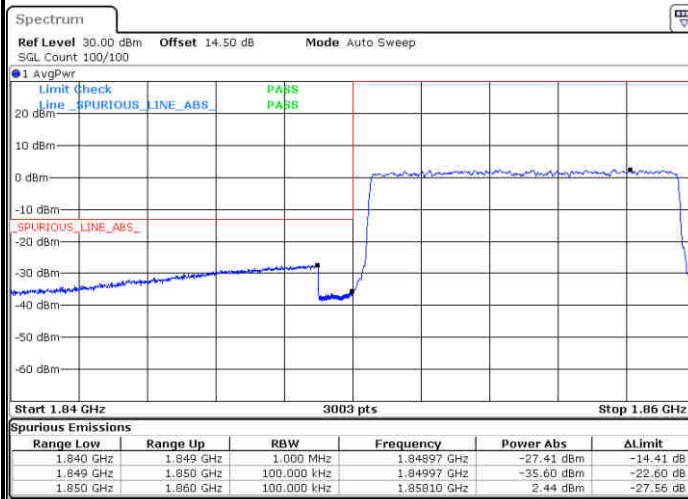
Lowest Band Edge / 1 RB



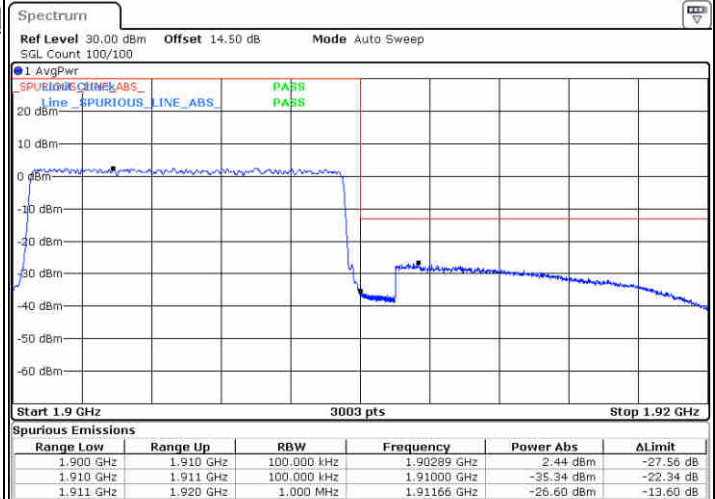
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



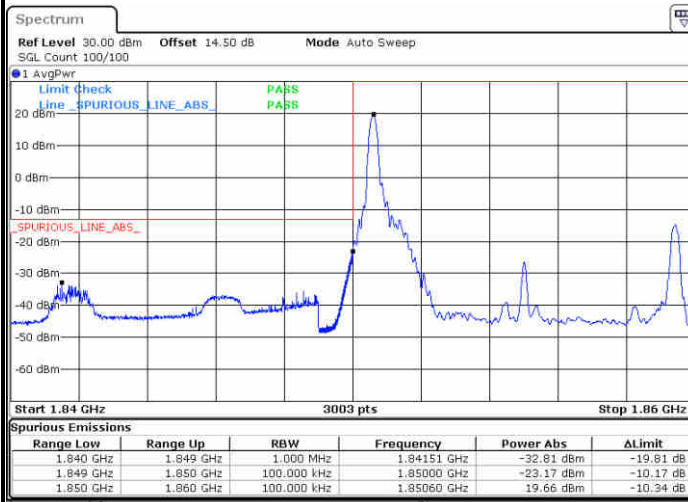
Highest Band Edge / Full RB



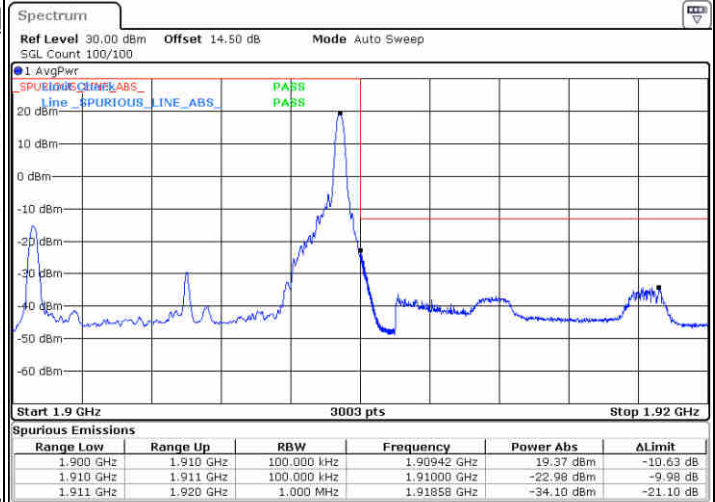


LTE Band 2 / 10MHz / 64QAM

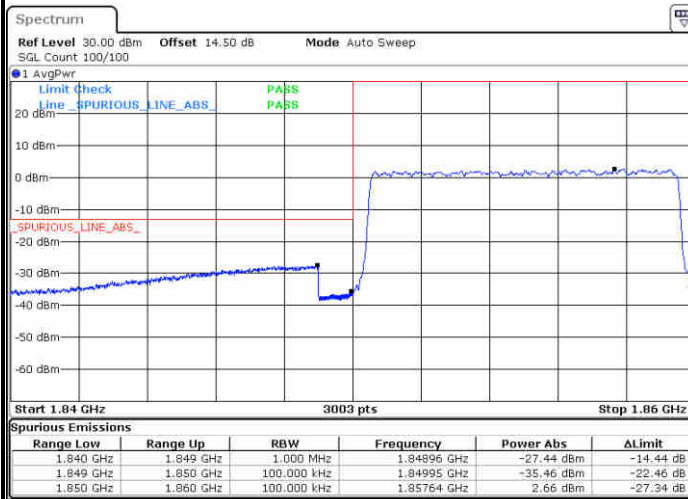
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



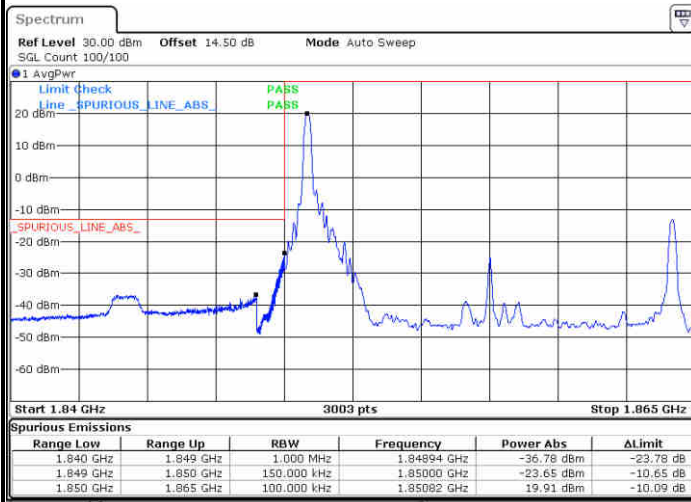
Highest Band Edge / Full RB



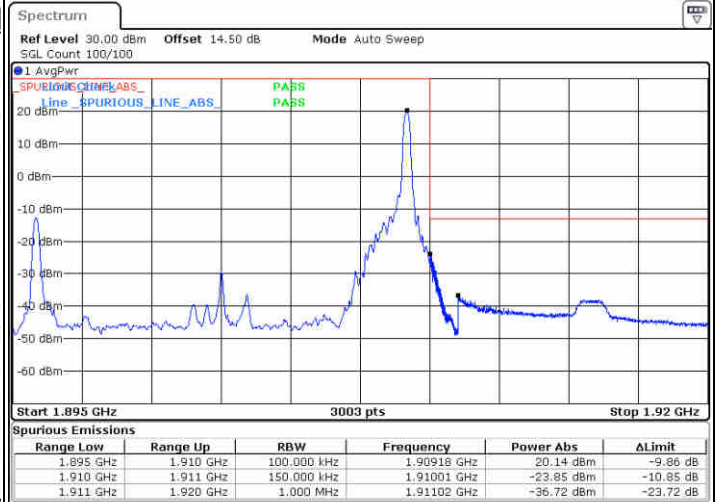


LTE Band 2 / 15MHz / QPSK

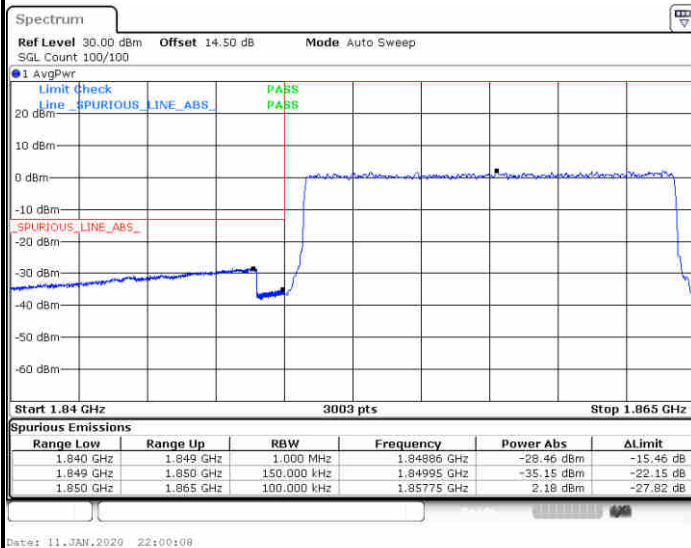
Lowest Band Edge / 1 RB



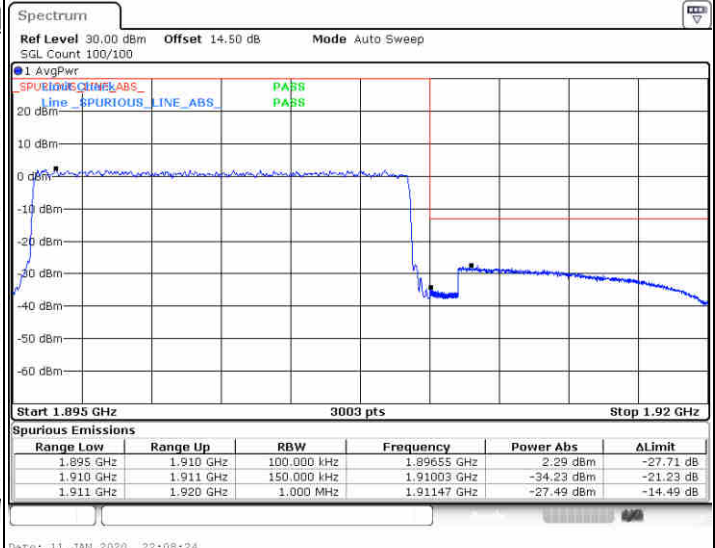
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



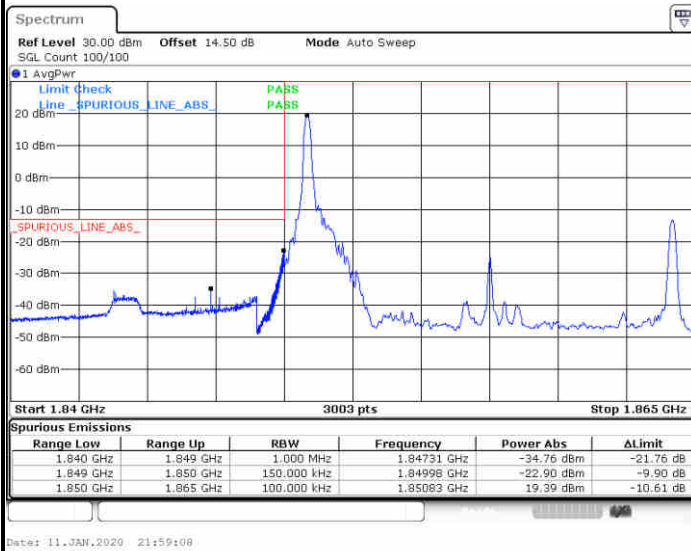
Highest Band Edge / Full RB



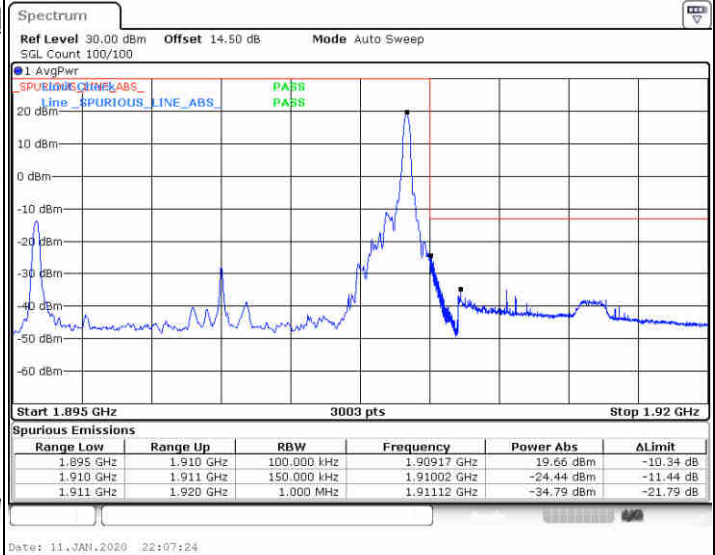


LTE Band 2 / 15MHz / 16QAM

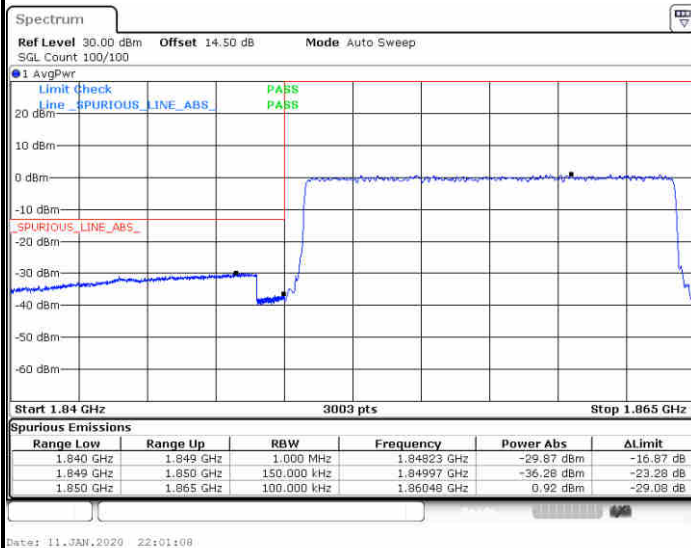
Lowest Band Edge / 1 RB



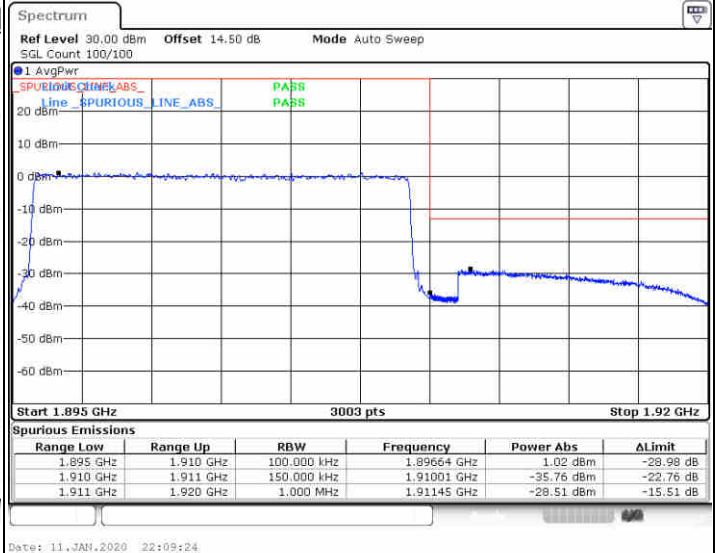
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



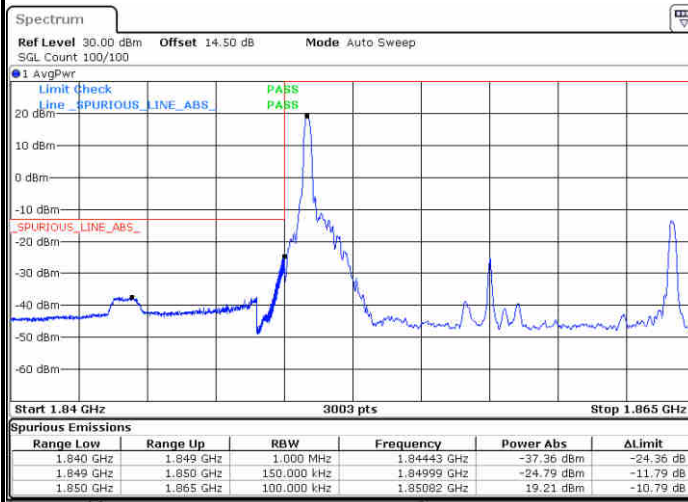
Highest Band Edge / Full RB



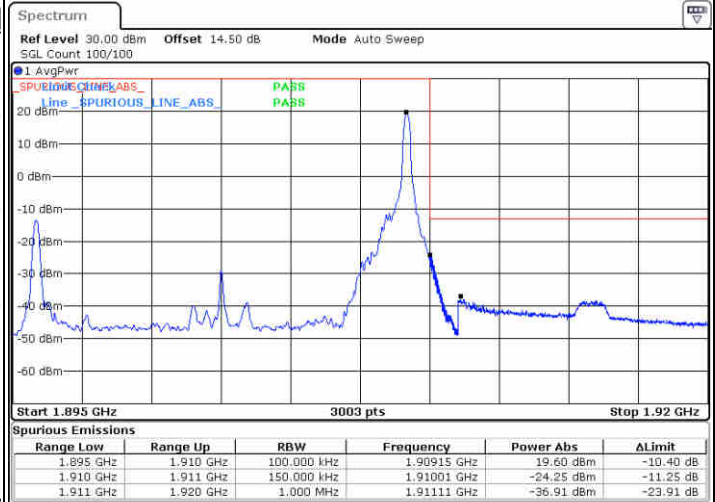


LTE Band 2 / 15MHz / 64QAM

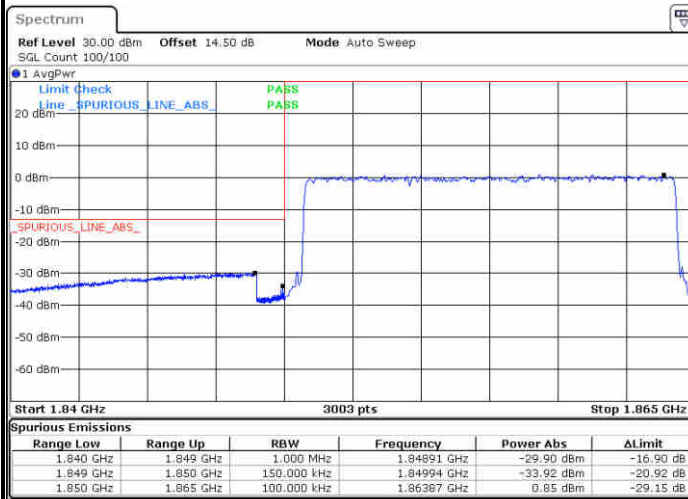
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



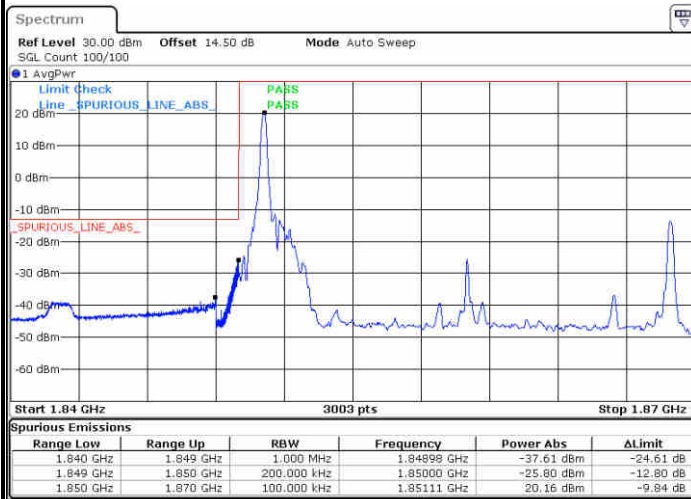
Highest Band Edge / Full RB



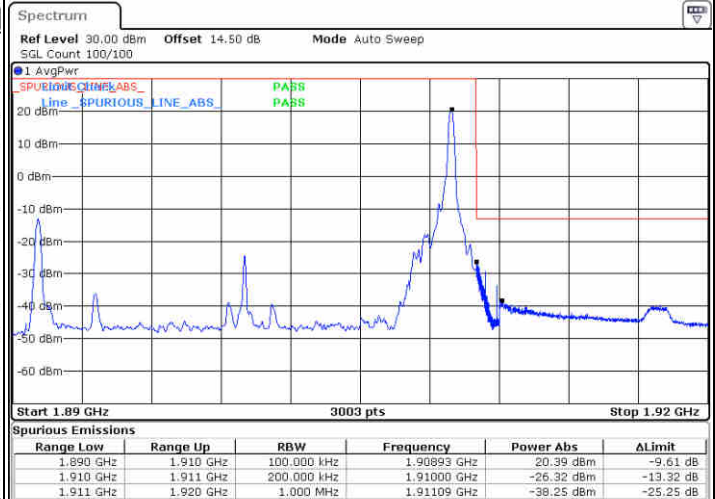


LTE Band 2 / 20MHz / QPSK

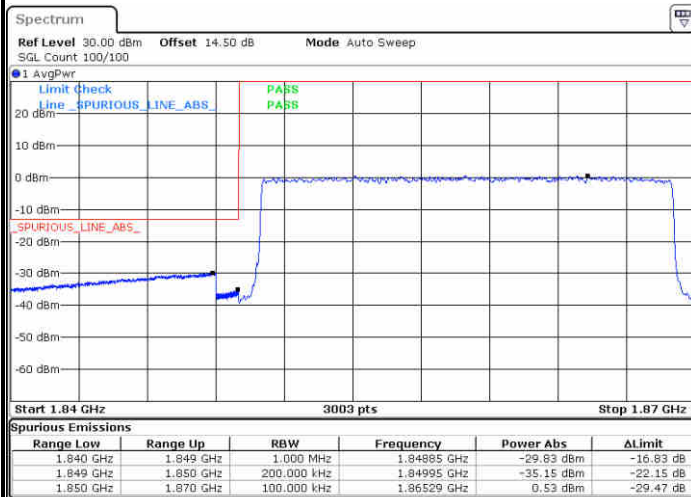
Lowest Band Edge / 1 RB



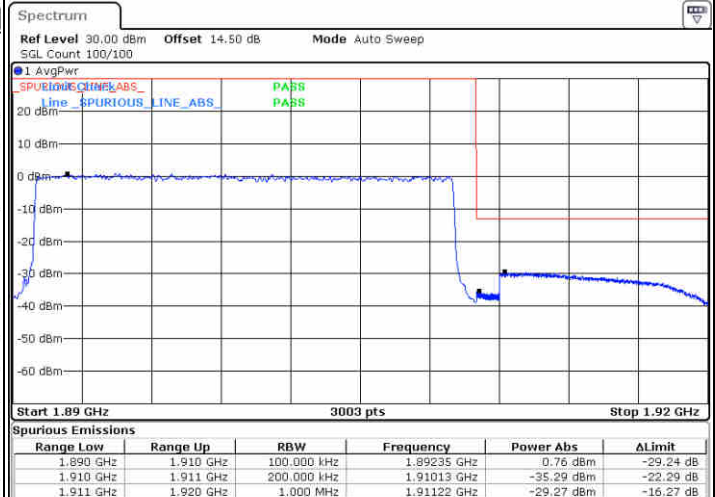
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



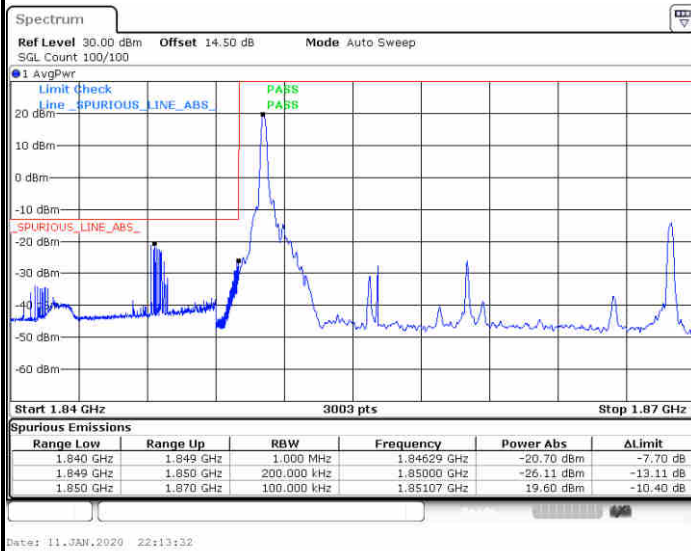
Highest Band Edge / Full RB



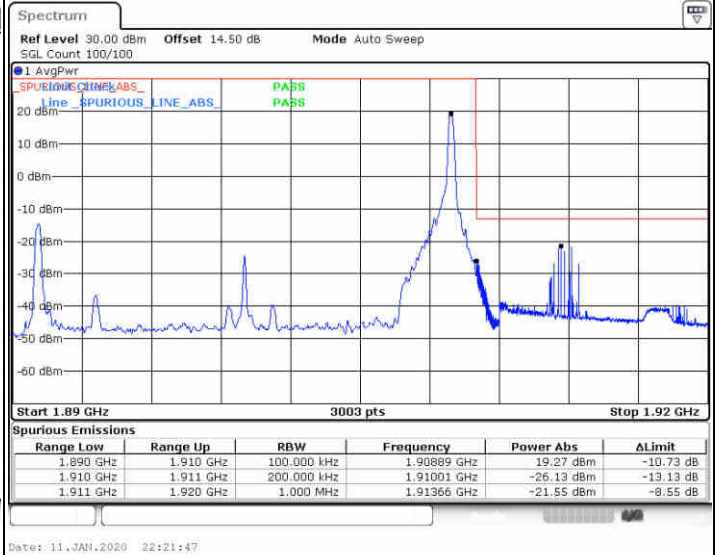


LTE Band 2 / 20MHz / 16QAM

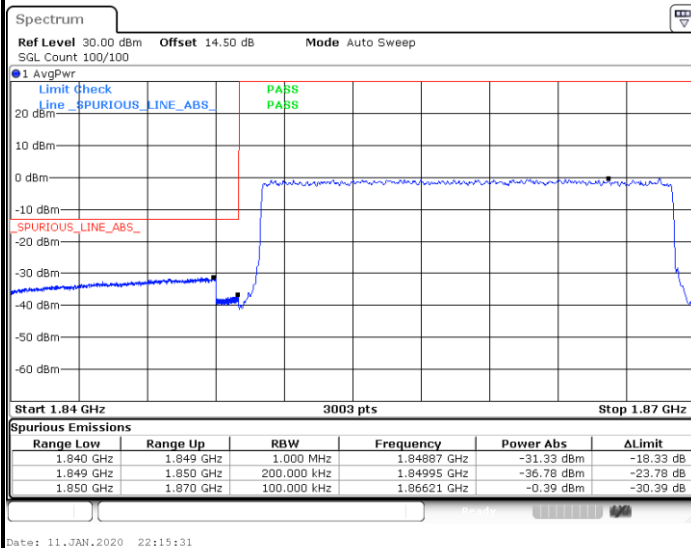
Lowest Band Edge / 1 RB



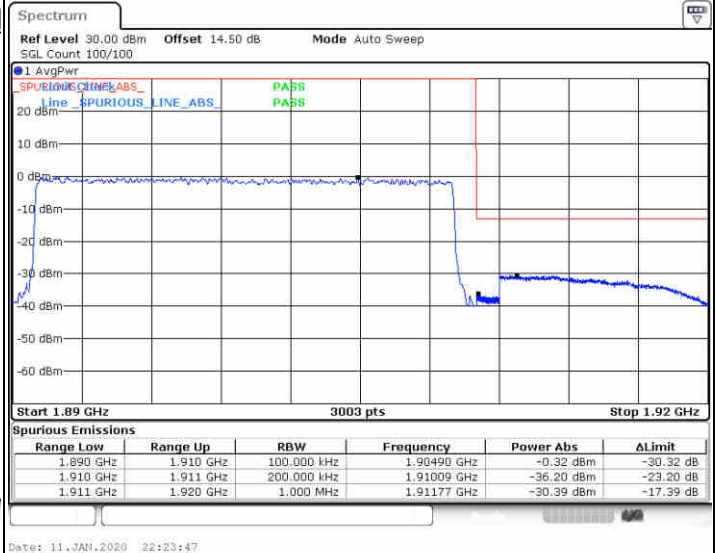
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



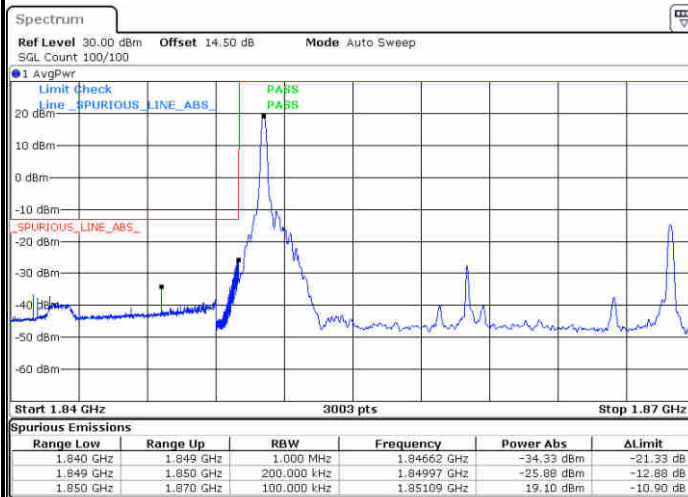
Highest Band Edge / Full RB



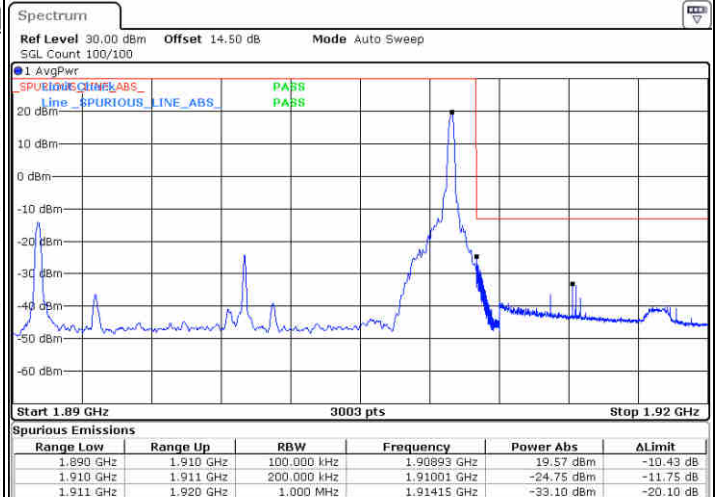


LTE Band 2 / 20MHz / 64QAM

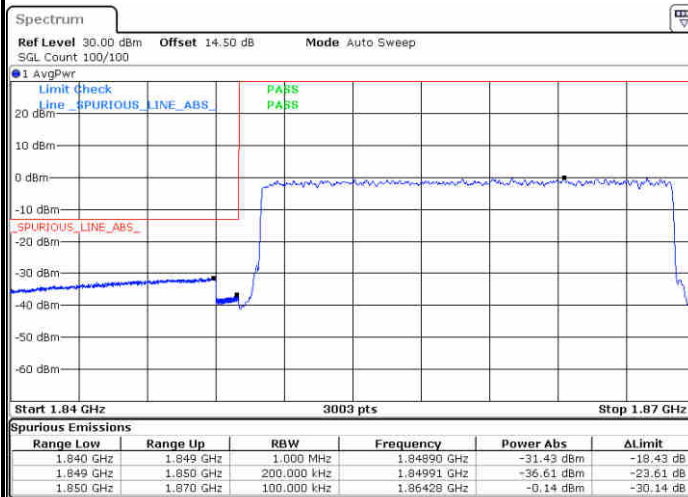
Lowest Band Edge / 1 RB



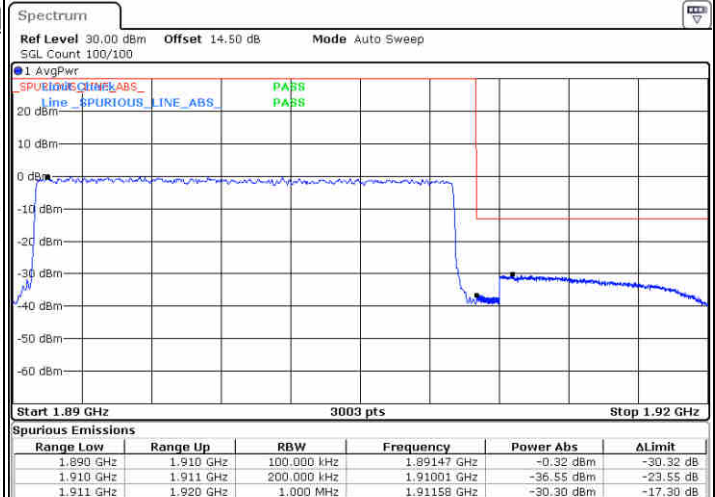
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



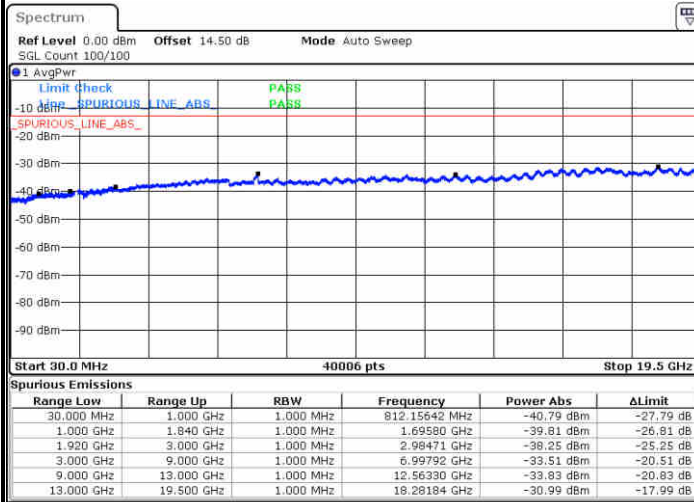


Conducted Spurious Emission



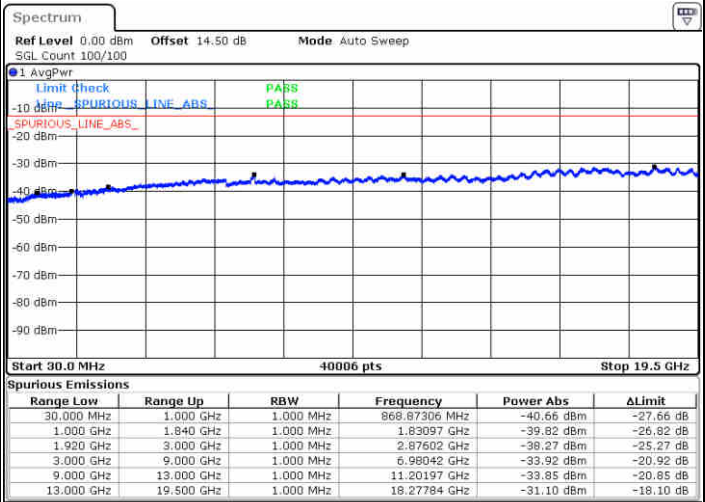
LTE Band 2 / 1.4MHz

Lowest Channel / QPSK



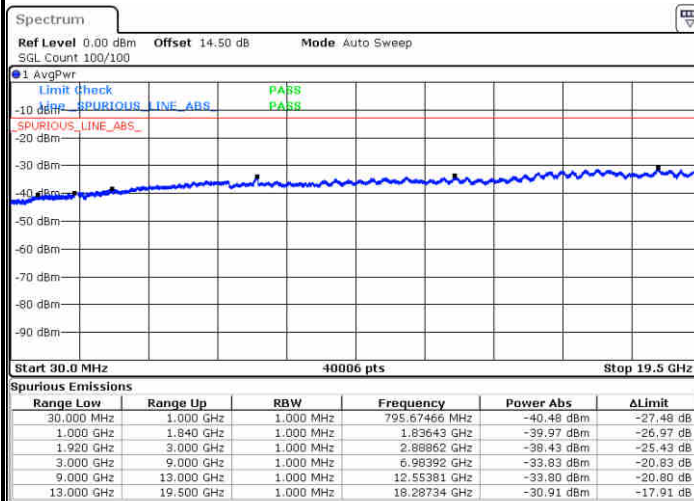
Date: 11.JAN.2020 22:30:49

Lowest Channel / 16QAM



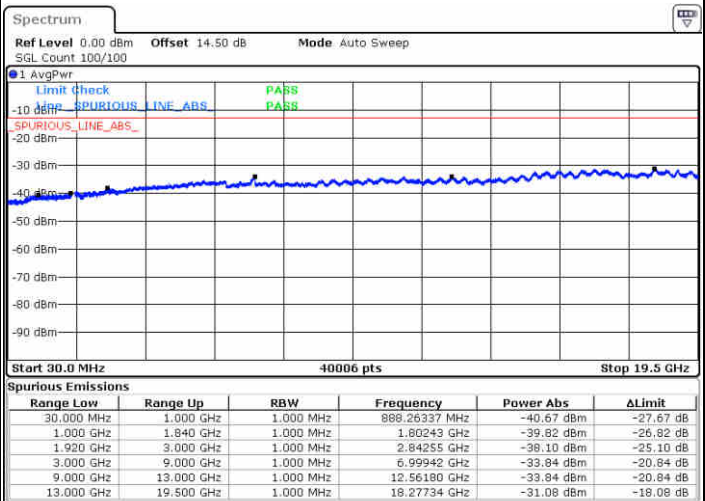
Date: 11.JAN.2020 22:31:31

Middle Channel / QPSK



Date: 11.JAN.2020 22:32:57

Middle Channel / 16QAM

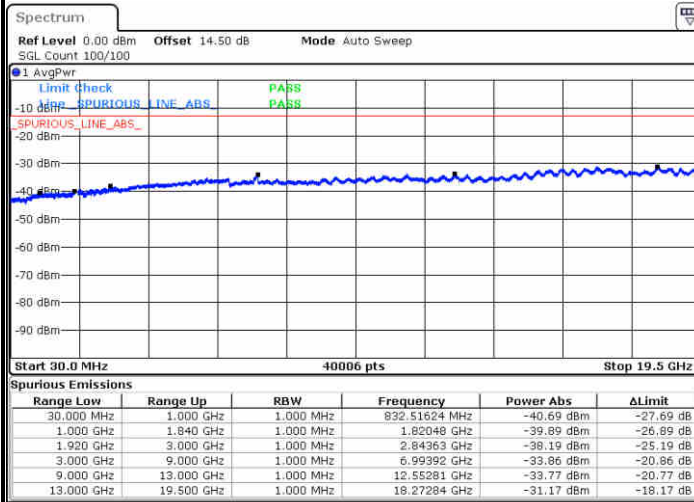


Date: 11.JAN.2020 22:33:39



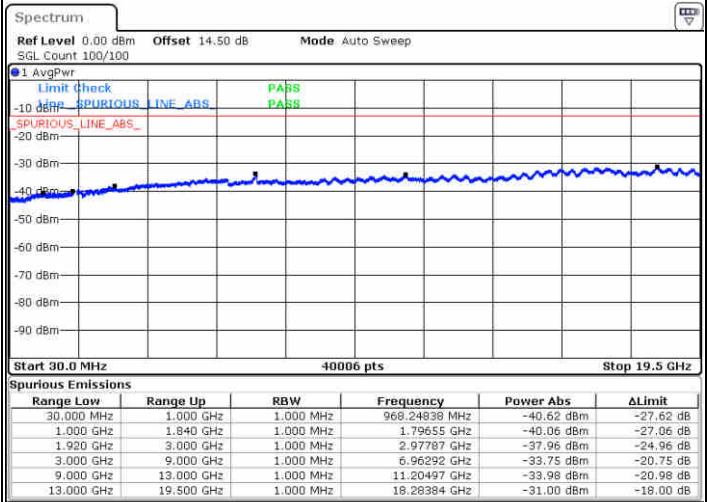
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 11.JAN.2020 22:39:17

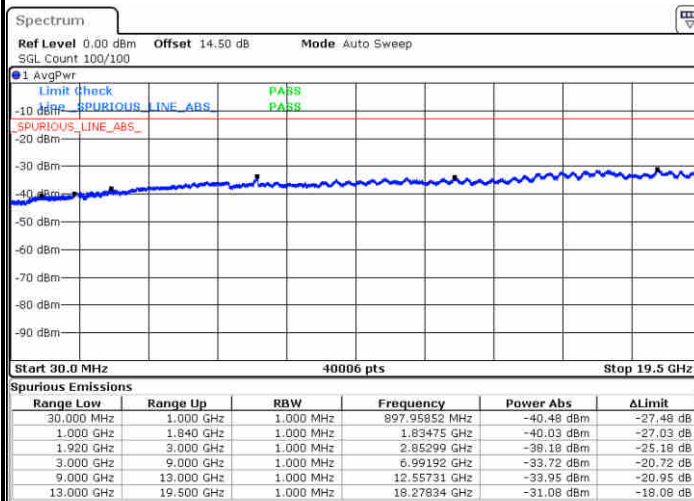
Highest Channel / 16QAM



Date: 11.JAN.2020 22:39:59

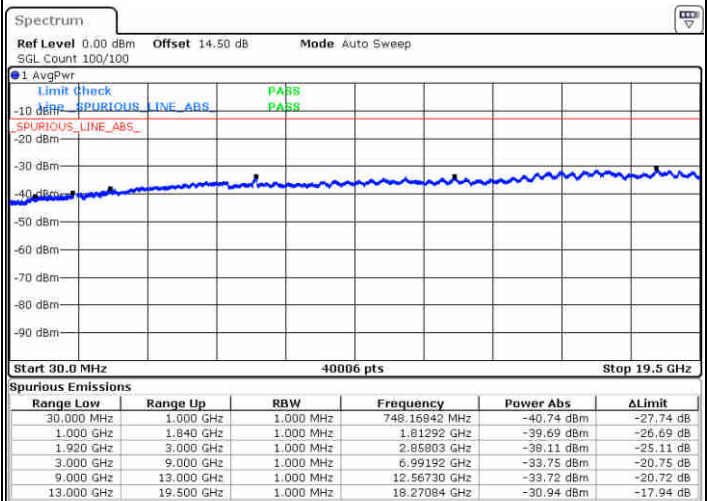
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 11.JAN.2020 21:18:37

Lowest Channel / 16QAM

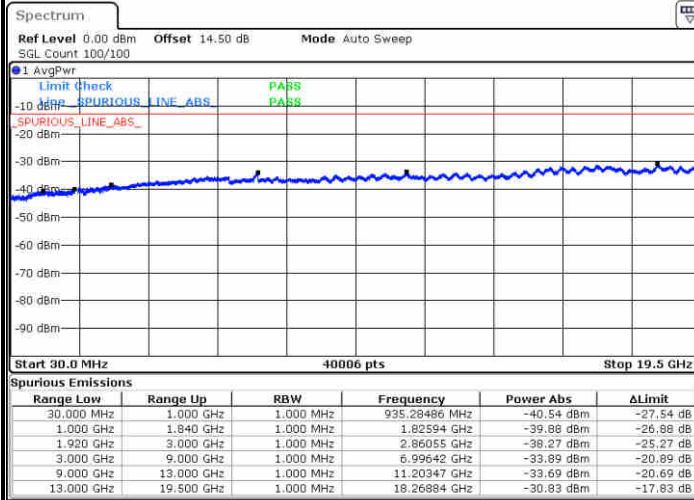


Date: 11.JAN.2020 21:19:20



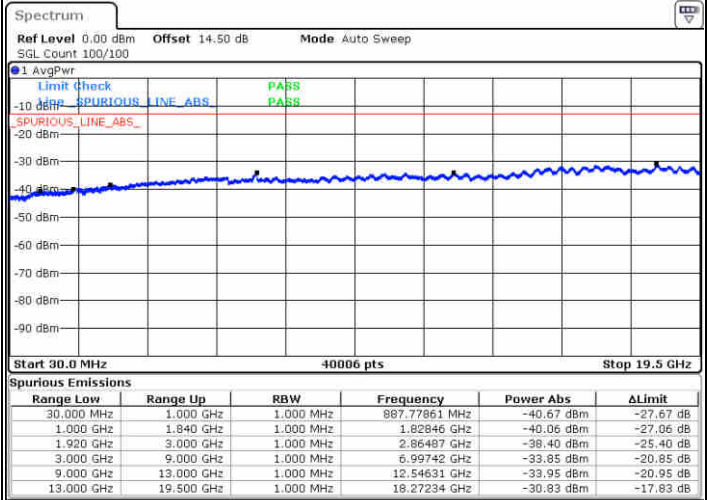
LTE Band 2 / 3MHz

Middle Channel / QPSK



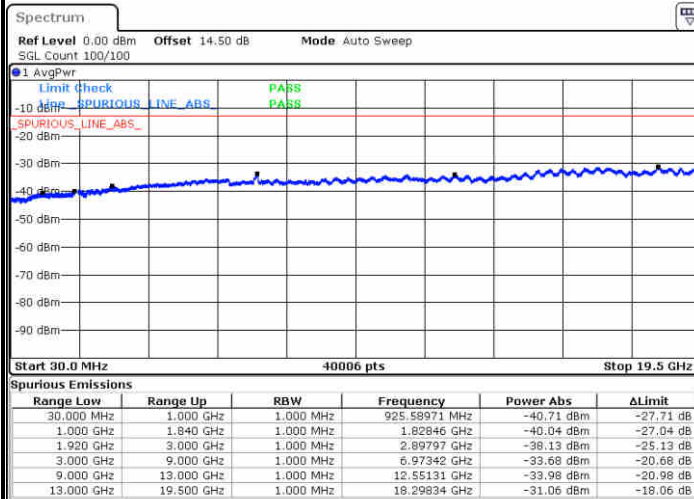
Date: 11.JAN.2020 21:20:46

Middle Channel / 16QAM



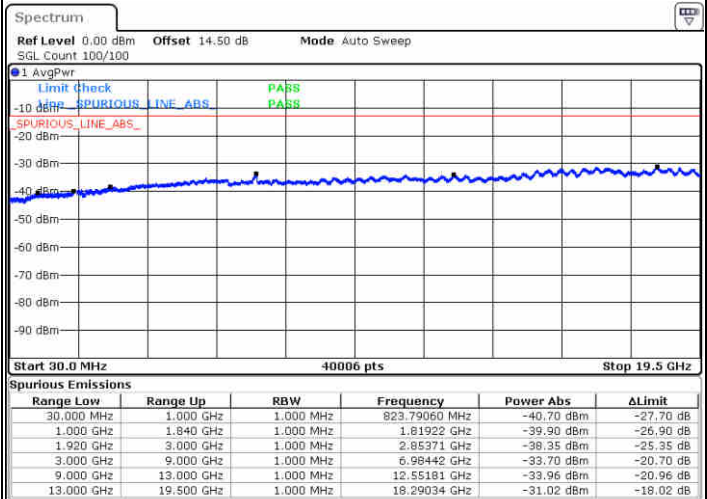
Date: 11.JAN.2020 21:21:28

Highest Channel / QPSK



Date: 11.JAN.2020 21:26:54

Highest Channel / 16QAM

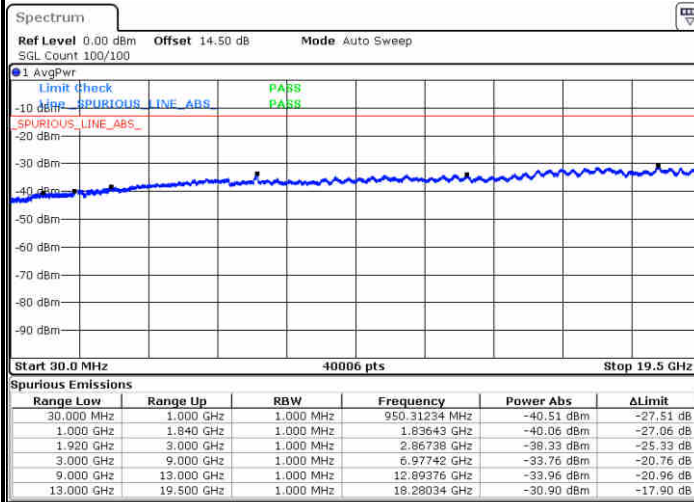


Date: 11.JAN.2020 21:27:36



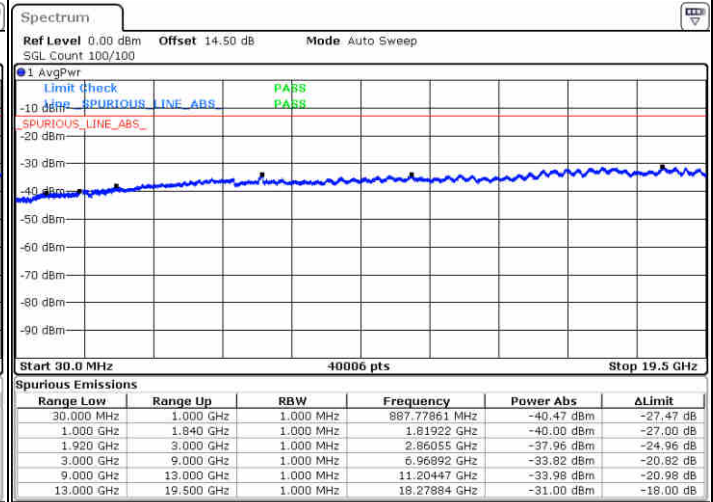
LTE Band 2 / 5MHz

Lowest Channel / QPSK



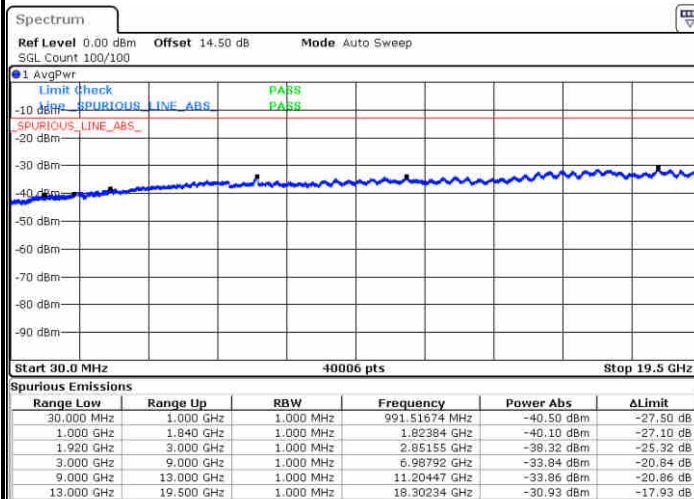
Date: 11.JAN.2020 21:33:03

Lowest Channel / 16QAM



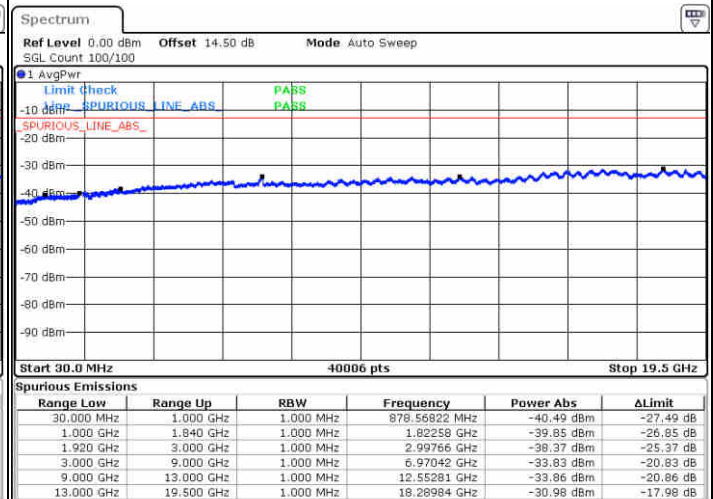
Date: 11.JAN.2020 21:33:45

Middle Channel / QPSK



Date: 11.JAN.2020 21:35:11

Middle Channel / 16QAM

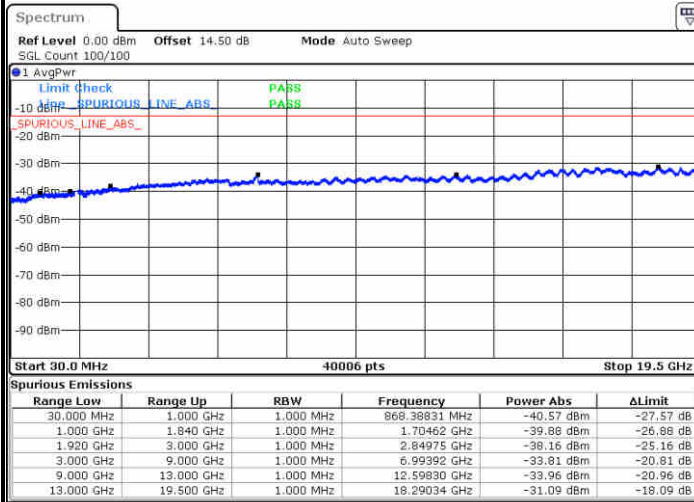


Date: 11.JAN.2020 21:35:53



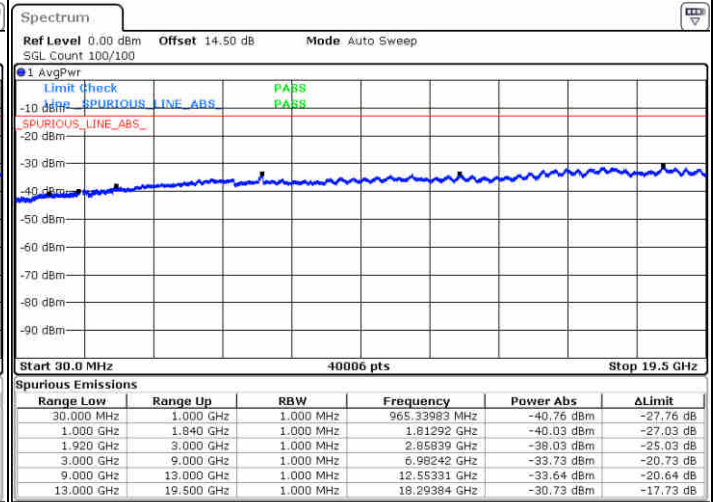
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 11.JAN.2020 21:41:19

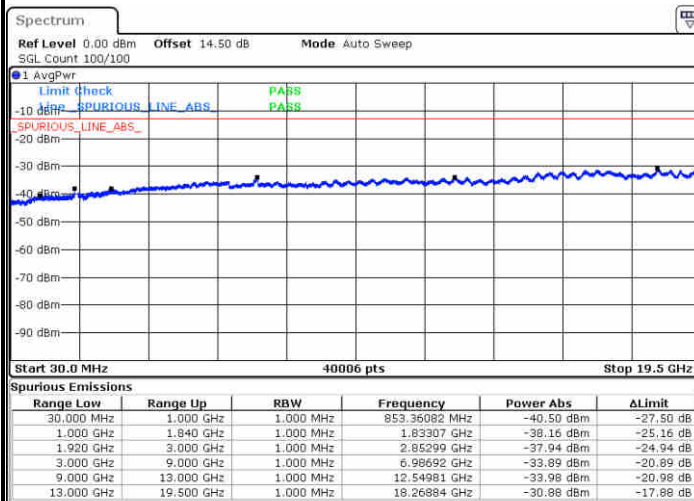
Highest Channel / 16QAM



Date: 11.JAN.2020 21:42:01

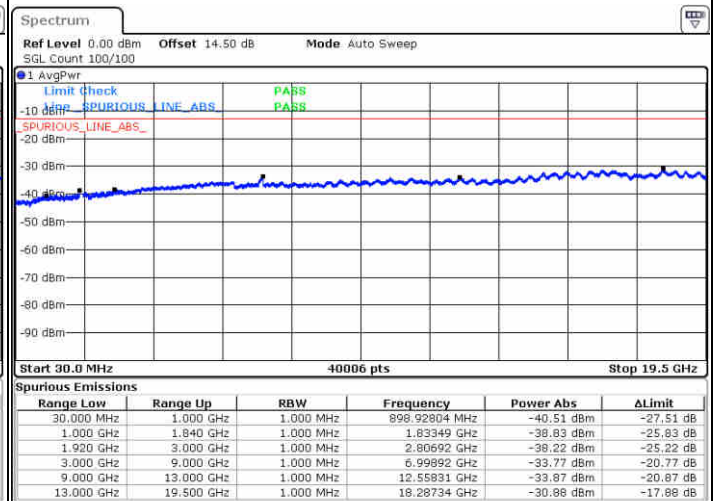
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 11.JAN.2020 21:47:27

Lowest Channel / 16QAM

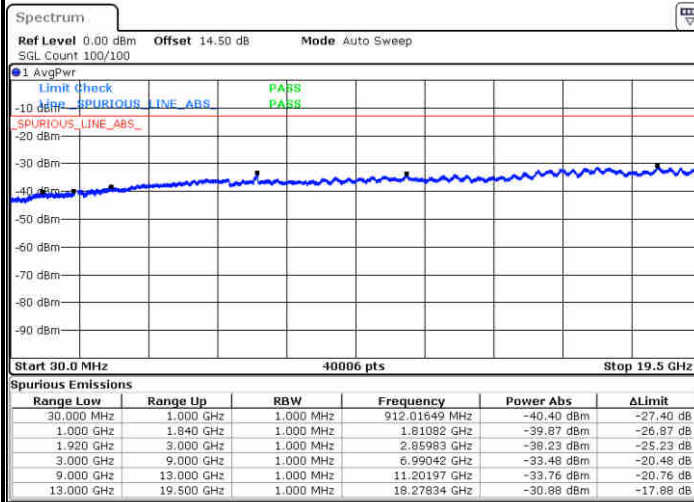


Date: 11.JAN.2020 21:48:09



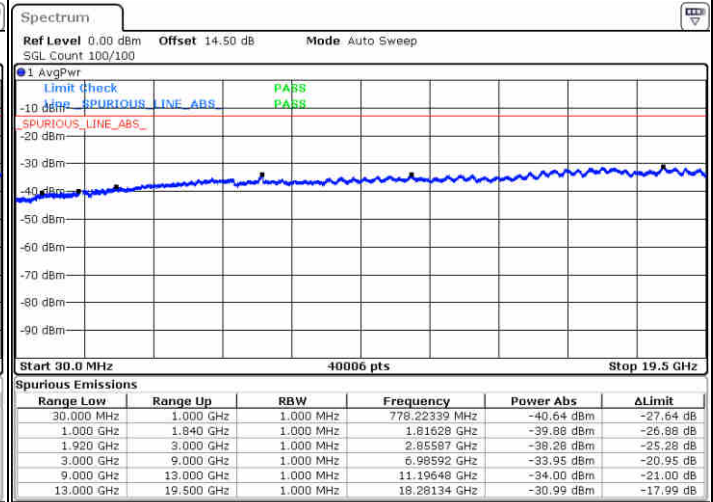
LTE Band 2 / 10MHz

Middle Channel / QPSK



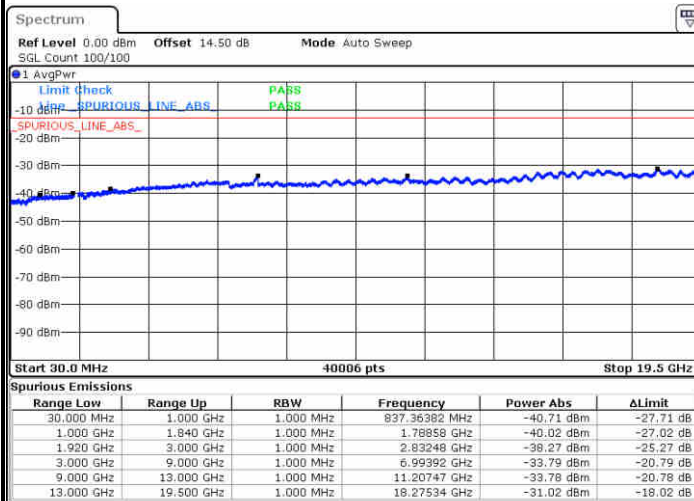
Date: 11.JAN.2020 21:49:35

Middle Channel / 16QAM



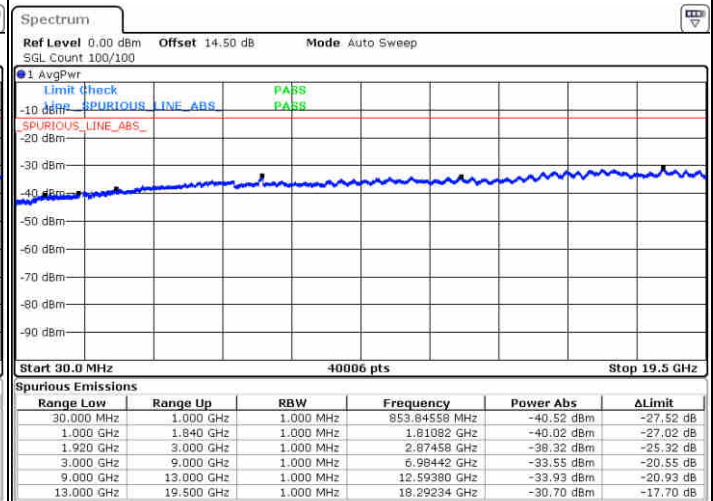
Date: 11.JAN.2020 21:50:17

Highest Channel / QPSK



Date: 11.JAN.2020 21:55:42

Highest Channel / 16QAM

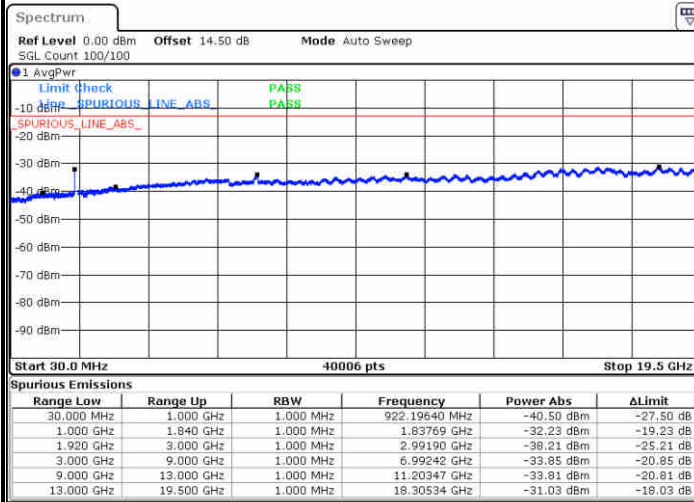


Date: 11.JAN.2020 21:56:24



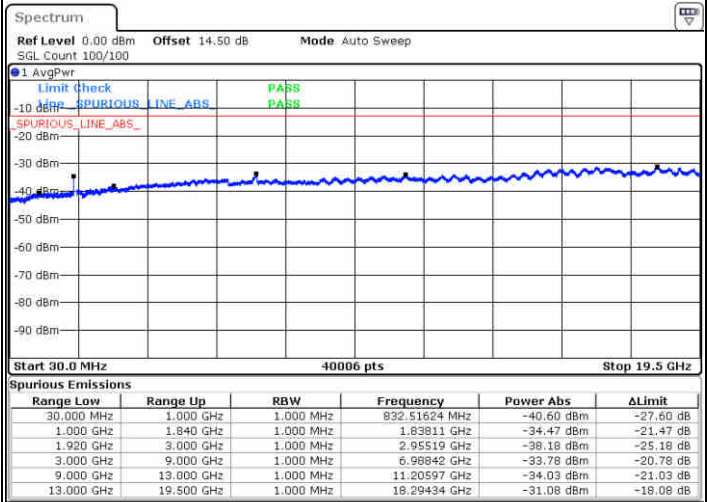
LTE Band 2 / 15MHz

Lowest Channel / QPSK



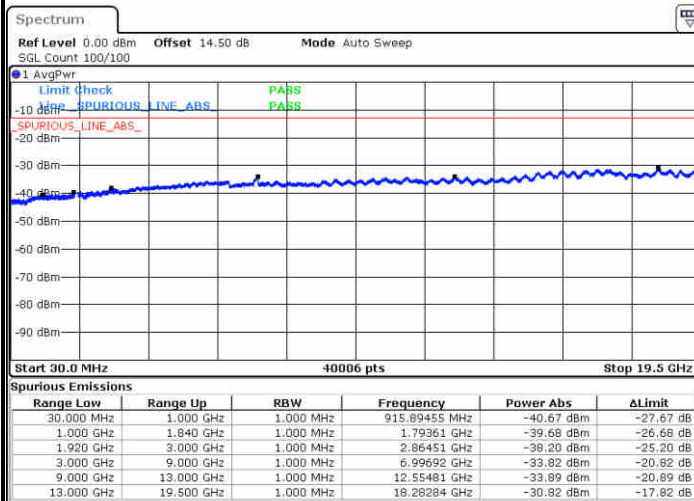
Date: 11.JAN.2020 22:01:50

Lowest Channel / 16QAM



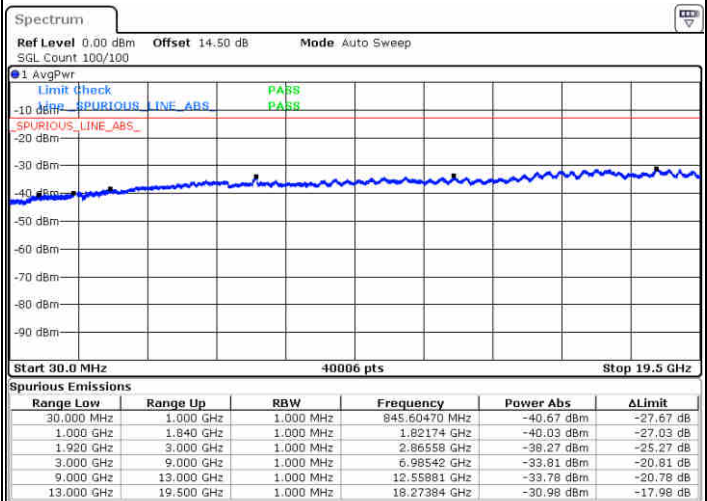
Date: 11.JAN.2020 22:02:32

Middle Channel / QPSK



Date: 11.JAN.2020 22:03:58

Middle Channel / 16QAM

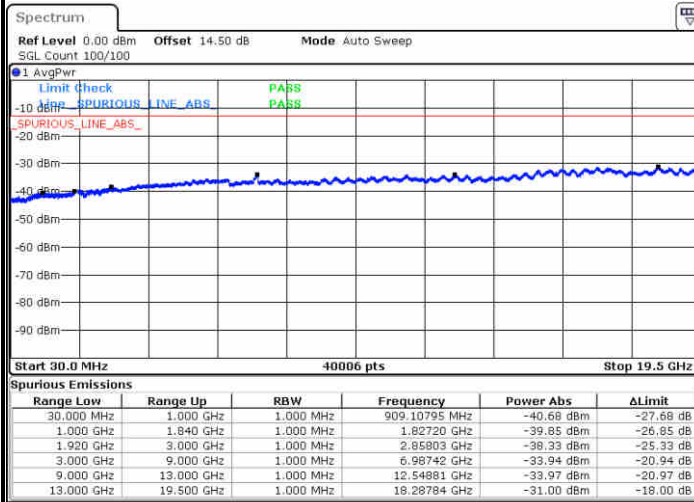


Date: 11.JAN.2020 22:04:40



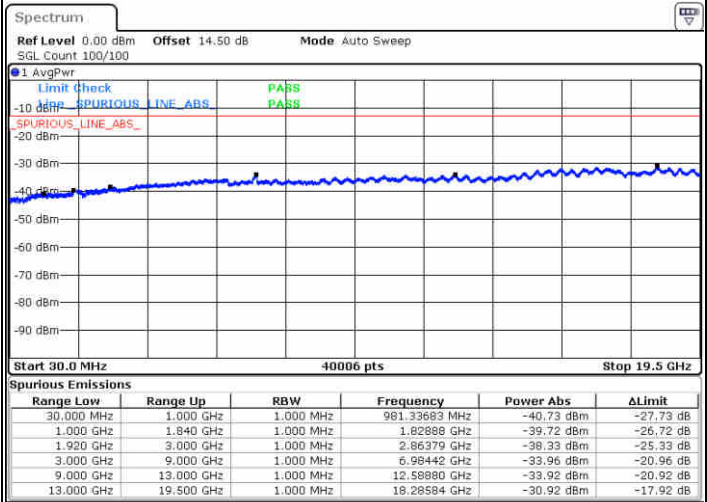
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 11.JAN.2020 22:10:06

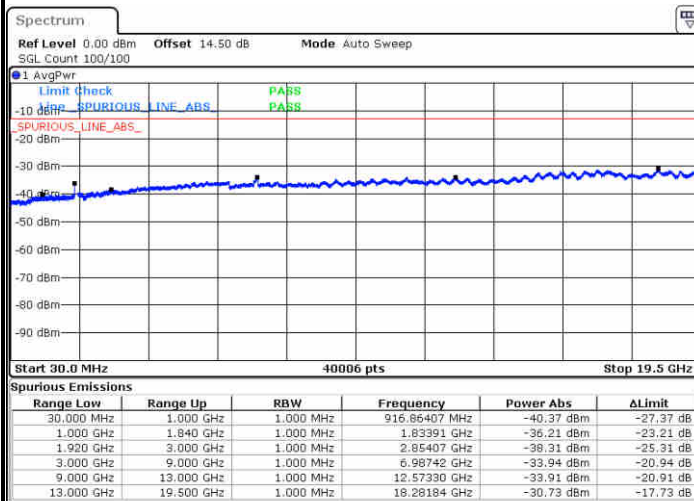
Highest Channel / 16QAM



Date: 11.JAN.2020 22:10:48

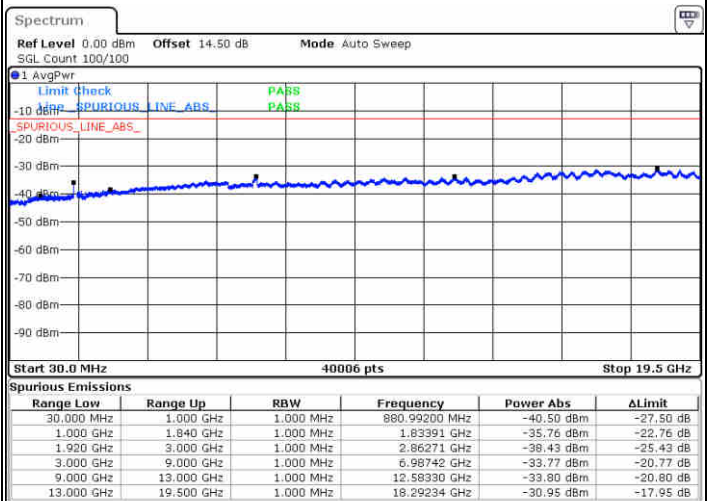
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 11.JAN.2020 22:16:13

Lowest Channel / 16QAM

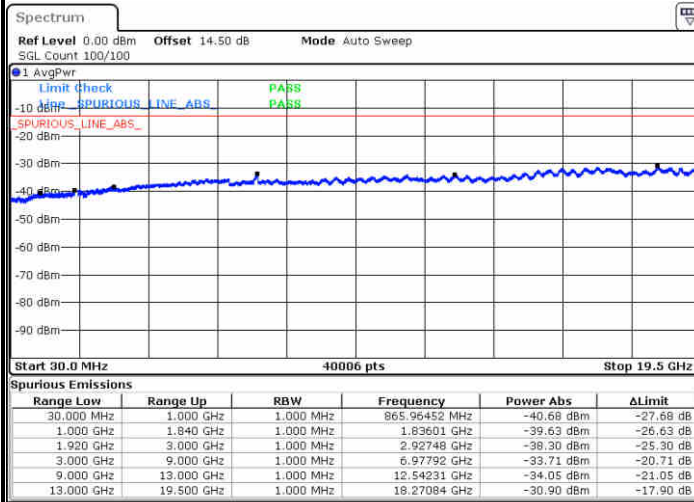


Date: 11.JAN.2020 22:16:55



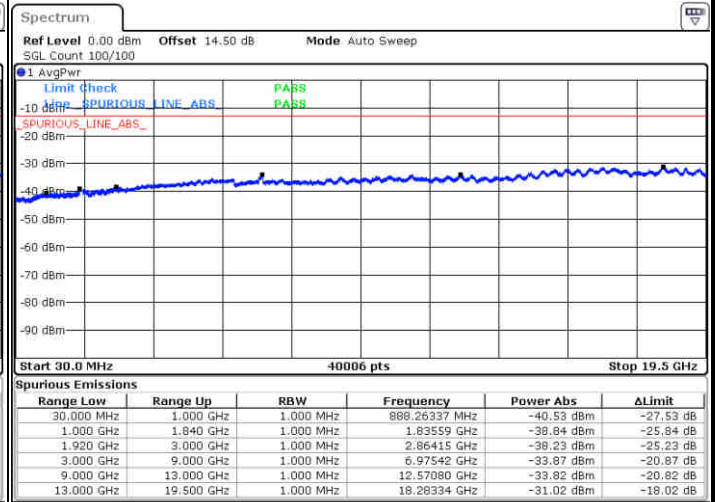
LTE Band 2 / 20MHz

Middle Channel / QPSK



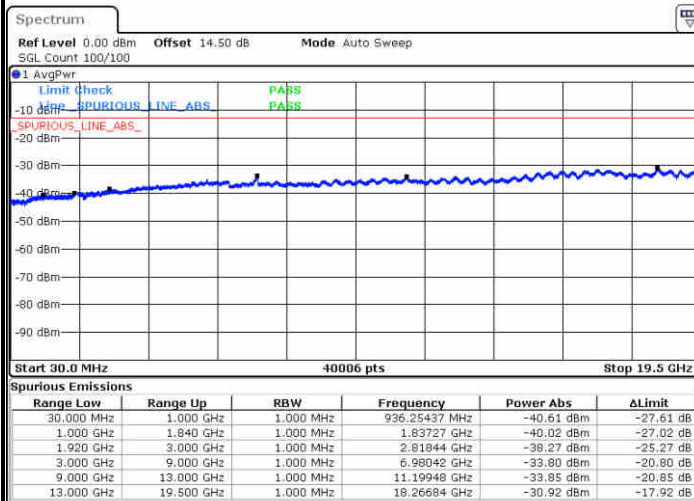
Date: 11.JAN.2020 22:18:21

Middle Channel / 16QAM



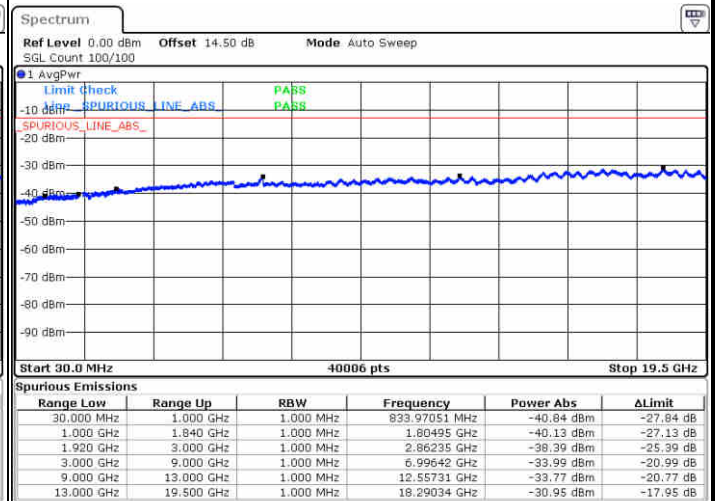
Date: 11.JAN.2020 22:19:04

Highest Channel / QPSK



Date: 11.JAN.2020 22:24:29

Highest Channel / 16QAM

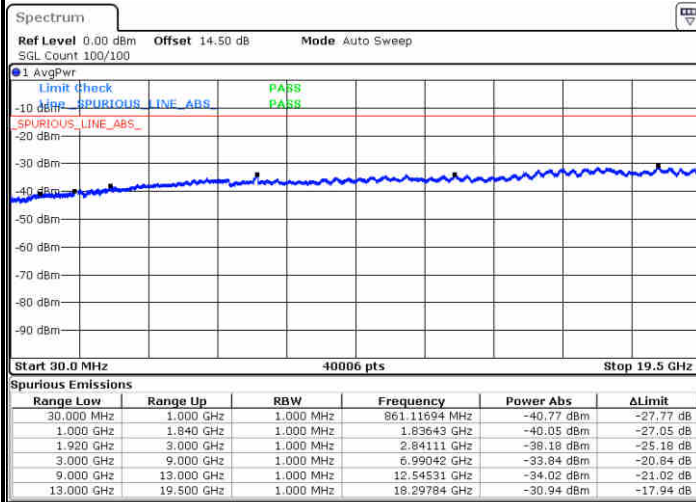


Date: 11.JAN.2020 22:25:11



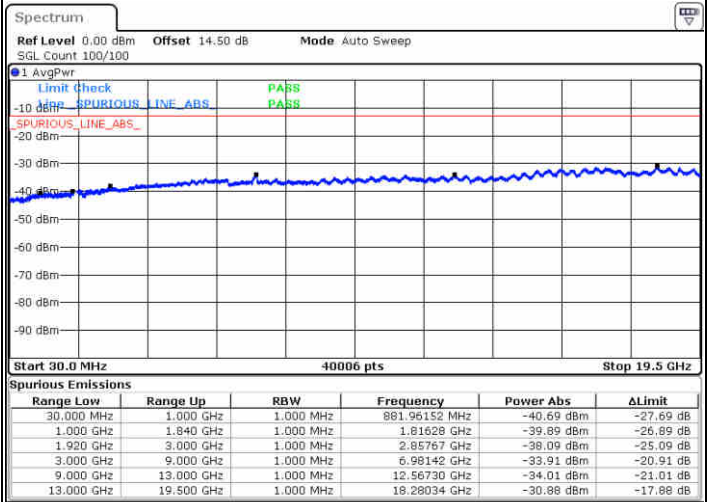
LTE Band 2 / 1.4MHz

Lowest Channel / 64QAM



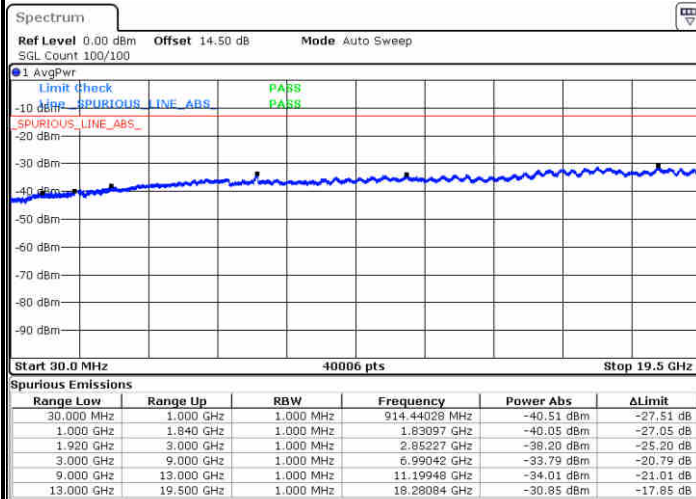
Date: 11.JAN.2020 23:23:38

Middle Channel / 64QAM



Date: 11.JAN.2020 23:24:42

Highest Channel / 64QAM

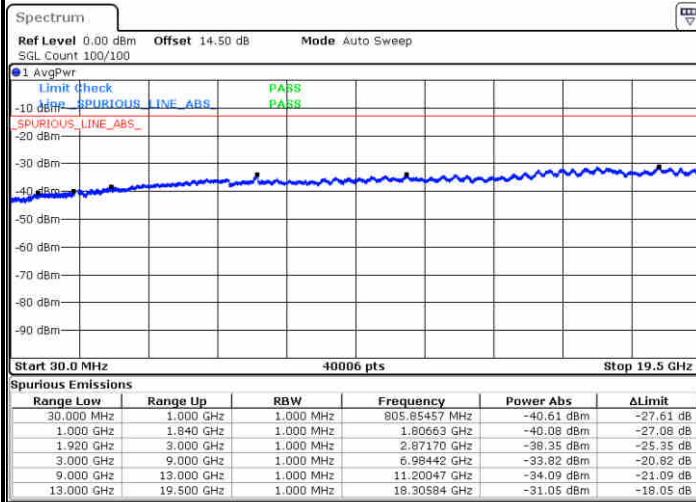


Date: 11.JAN.2020 23:27:52



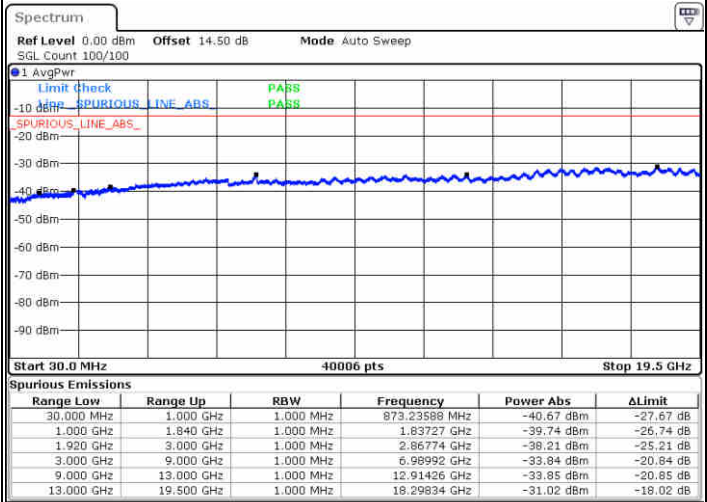
LTE Band 2 / 3MHz

Lowest Channel / 64QAM



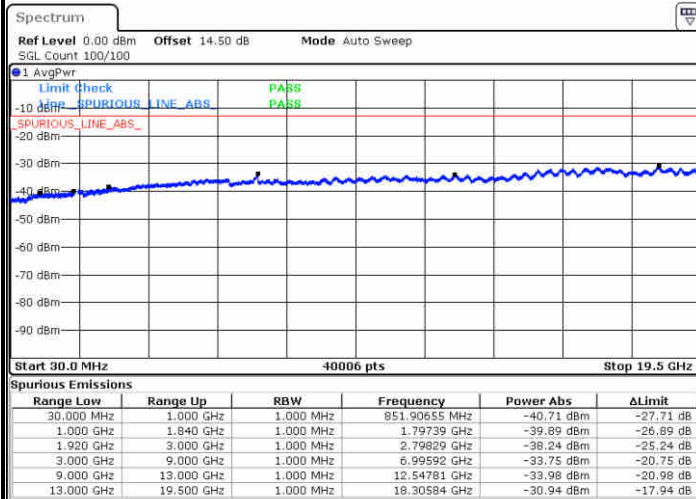
Date: 11.JAN.2020 22:47:34

Middle Channel / 64QAM



Date: 11.JAN.2020 22:48:38

Highest Channel / 64QAM

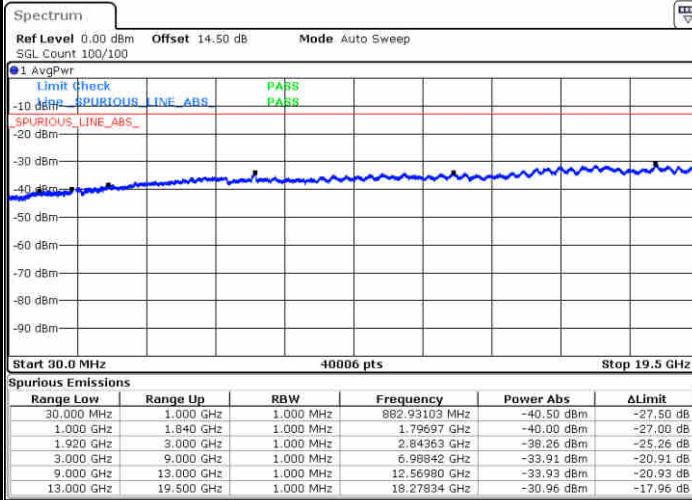


Date: 11.JAN.2020 22:51:42



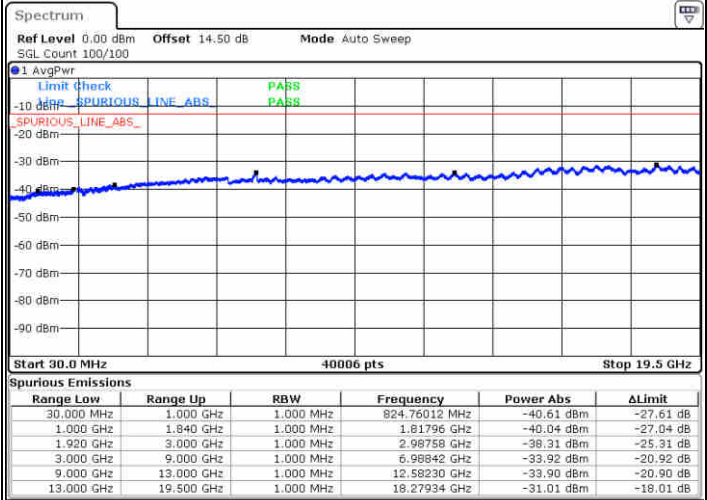
LTE Band 2 / 5MHz

Lowest Channel / 64QAM



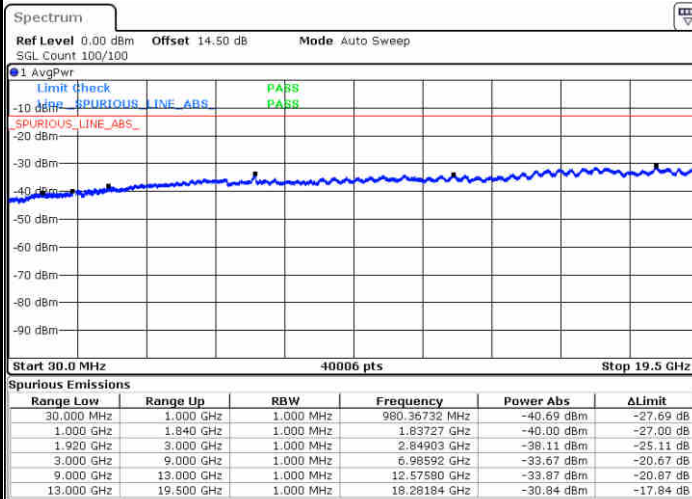
Date: 11.JAN.2020 22:54:46

Middle Channel / 64QAM



Date: 11.JAN.2020 22:55:50

Highest Channel / 64QAM

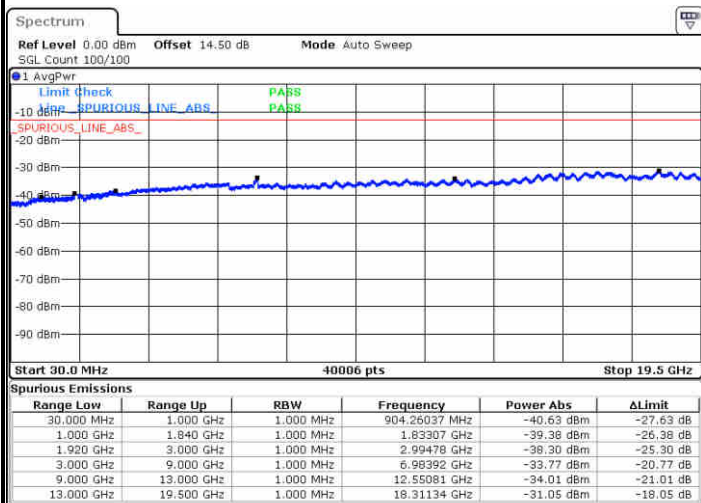


Date: 11.JAN.2020 22:58:53



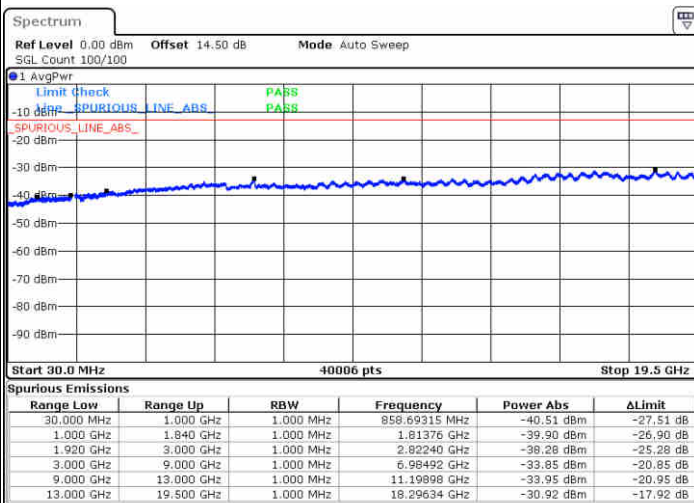
LTE Band 2 / 10MHz

Lowest Channel / 64QAM



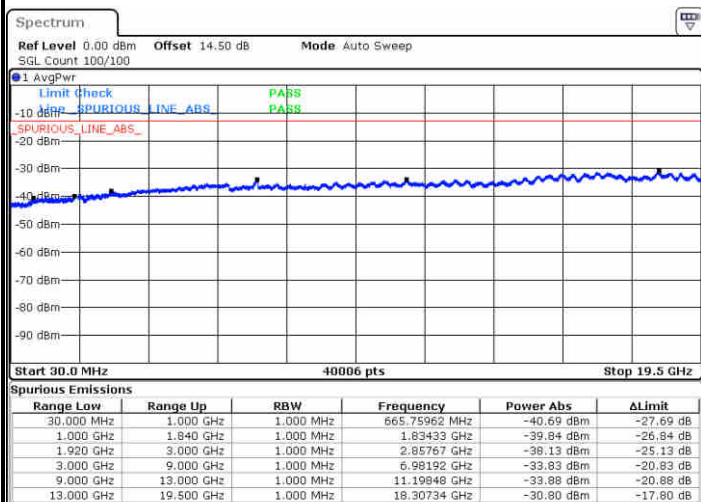
Date: 11.JAN.2020 23:01:57

Middle Channel / 64QAM



Date: 11.JAN.2020 23:03:02

Highest Channel / 64QAM

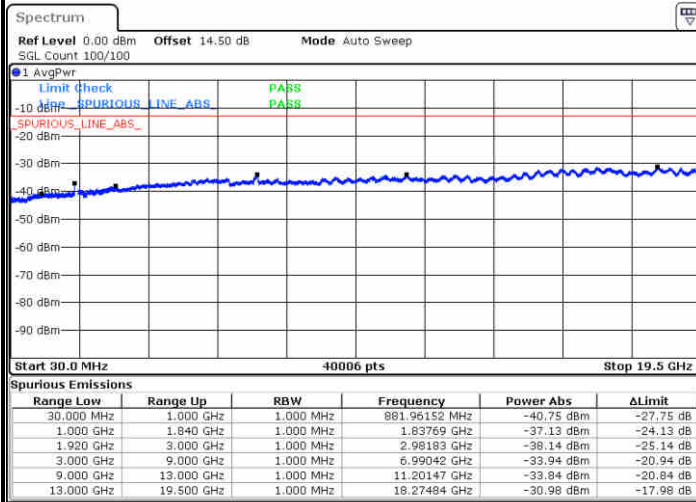


Date: 11.JAN.2020 23:06:05



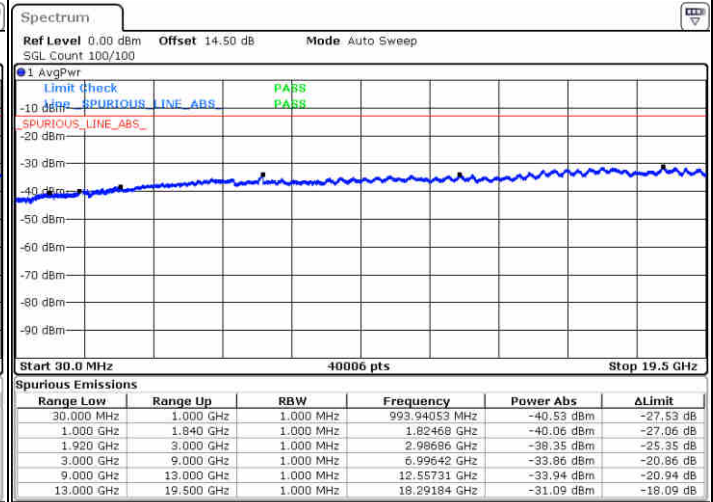
LTE Band 2 / 15MHz

Lowest Channel / 64QAM



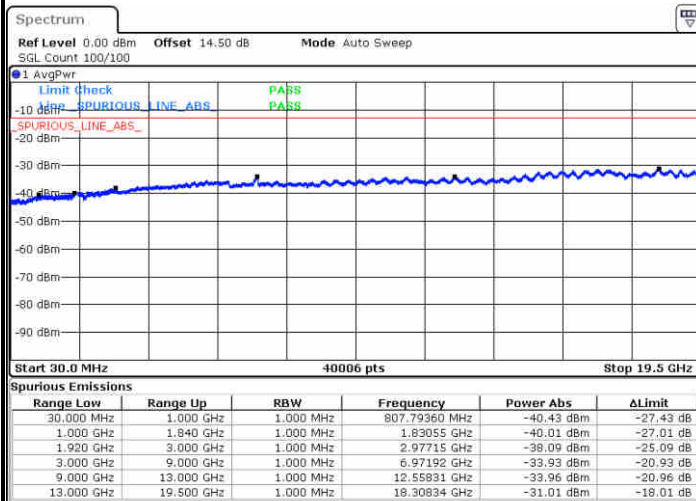
Date: 11.JAN.2020 23:09:09

Middle Channel / 64QAM



Date: 11.JAN.2020 23:10:13

Highest Channel / 64QAM

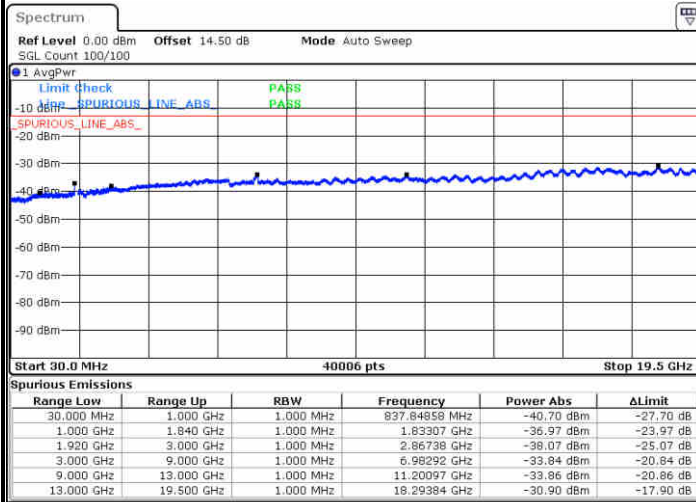


Date: 11.JAN.2020 23:13:17



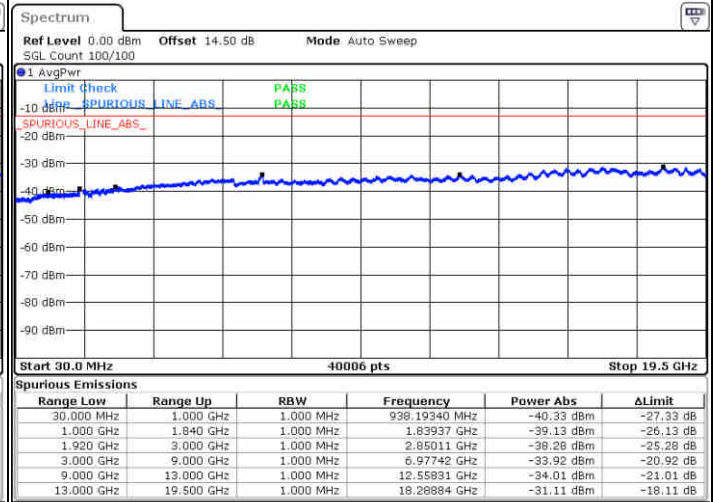
LTE Band 2 / 20MHz

Lowest Channel / 64QAM



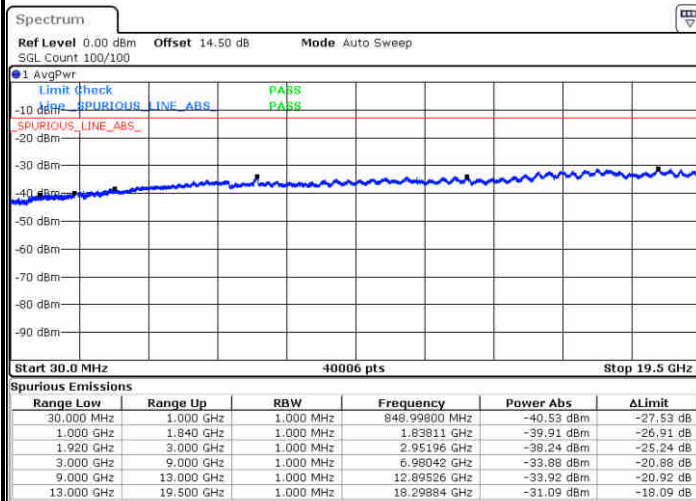
Date: 11.JAN.2020 23:16:21

Middle Channel / 64QAM



Date: 11.JAN.2020 23:17:25

Highest Channel / 64QAM



Date: 11.JAN.2020 23:20:28

**Frequency Stability**

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0061	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0037	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0092	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0044	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



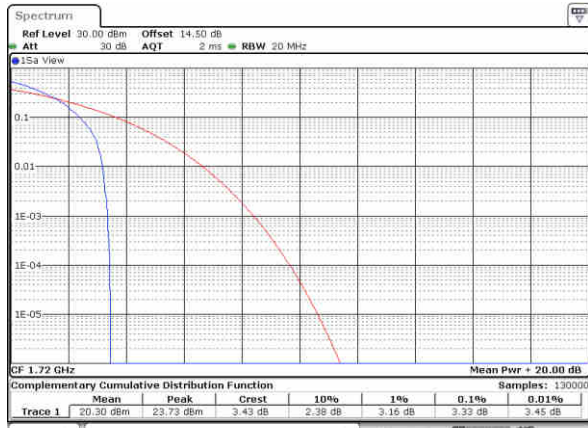
LTE Band 4

Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.33	4.99	4.14	5.97	PASS
Middle CH	4.61	5.19	5.42	6.23	
Highest CH	4.20	4.90	5.10	5.74	
Mode	LTE Band 4 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.03	5.83	-	-	PASS
Middle CH	5.13	5.97	-	-	
Highest CH	4.87	5.68	-	-	

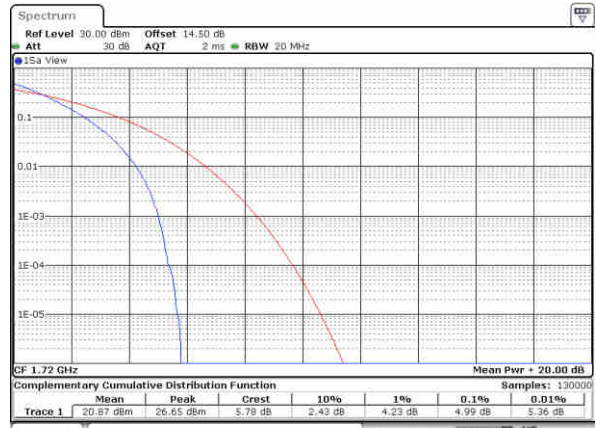
LTE Band 4 / 20MHz / QPSK

Lowest Channel / 1RB



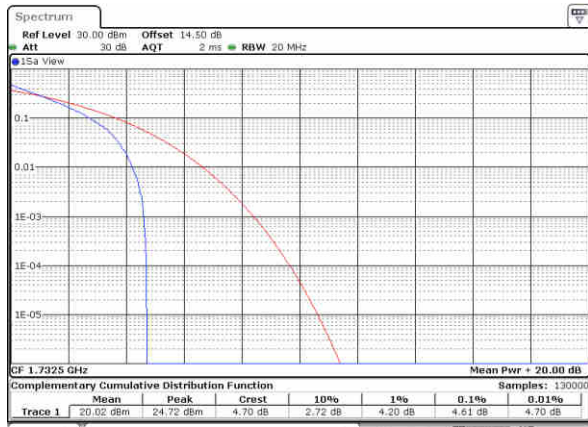
Date: 9_JAN.2020 09:02:31

Lowest Channel / Full RB



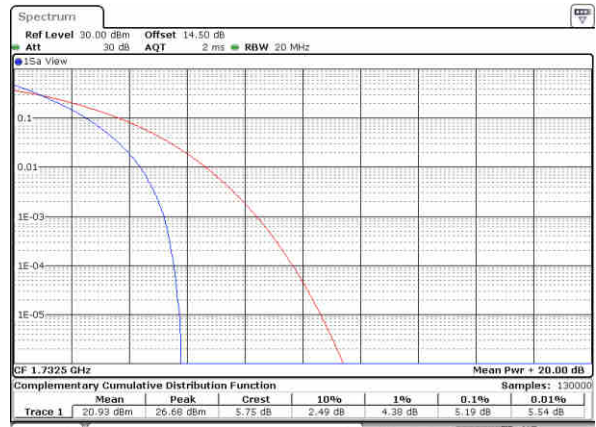
Date: 9_JAN.2020 09:02:41

Middle Channel / 1RB



Date: 9_JAN.2020 09:02:52

Middle Channel / Full RB



Date: 9_JAN.2020 09:03:02

Highest Channel / 1RB



Date: 9_JAN.2020 09:03:16

Highest Channel / Full RB



Date: 9_JAN.2020 09:03:26