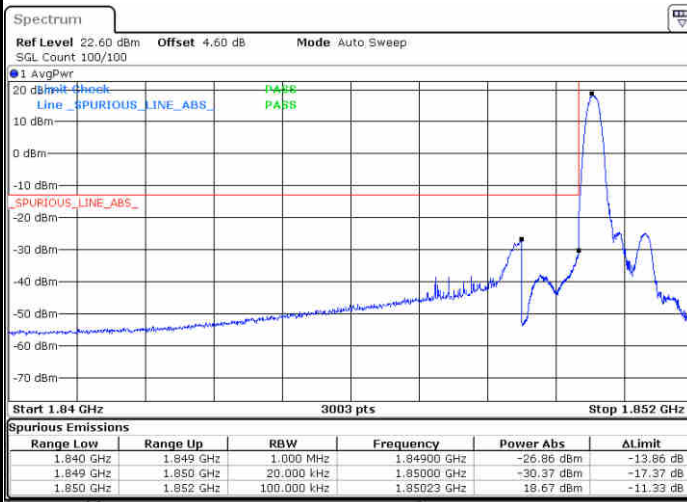




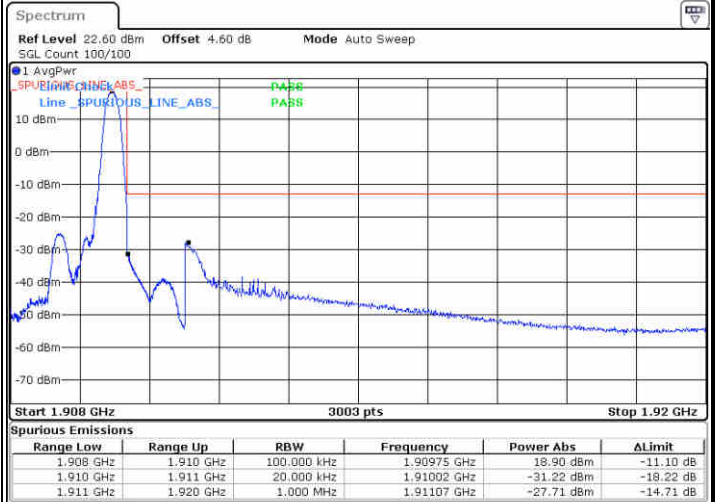
LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



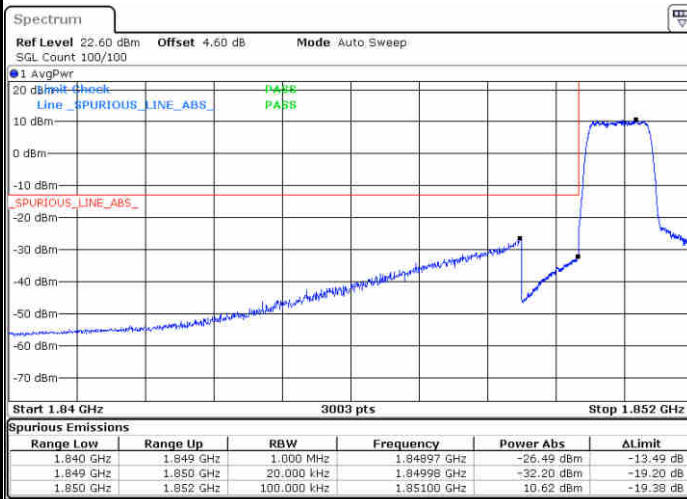
Date: 8 JAN 2020 12:19:08

Highest Band Edge / 1 RB



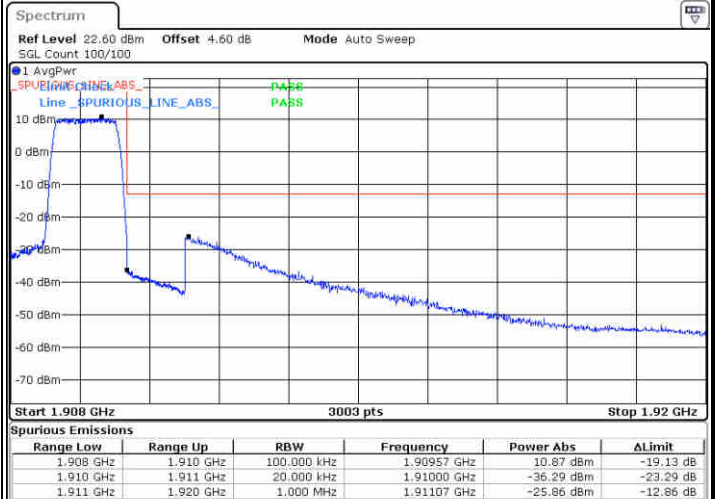
Date: 8 JAN 2020 12:21:23

Lowest Band Edge / Full RB



Date: 8 JAN 2020 12:20:16

Highest Band Edge / Full RB

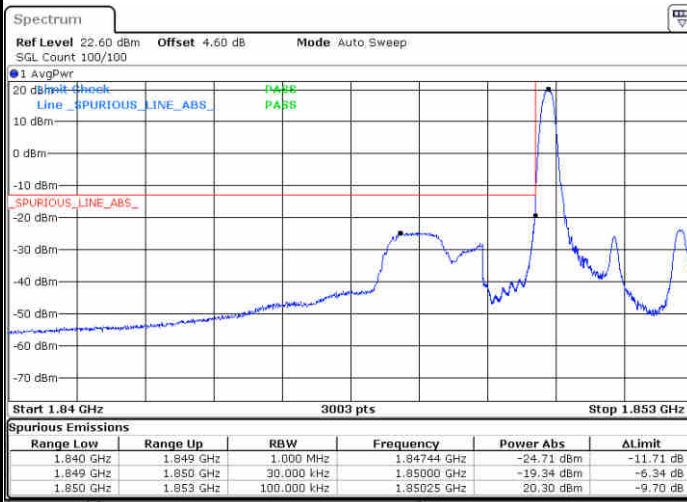


Date: 8 JAN 2020 12:22:31



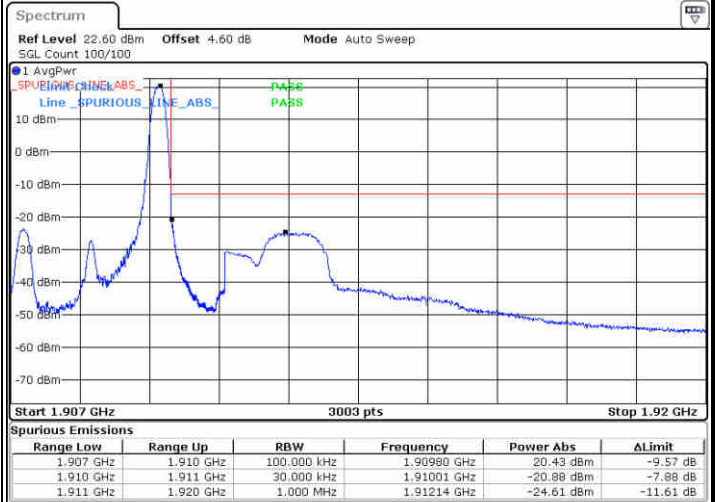
LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB



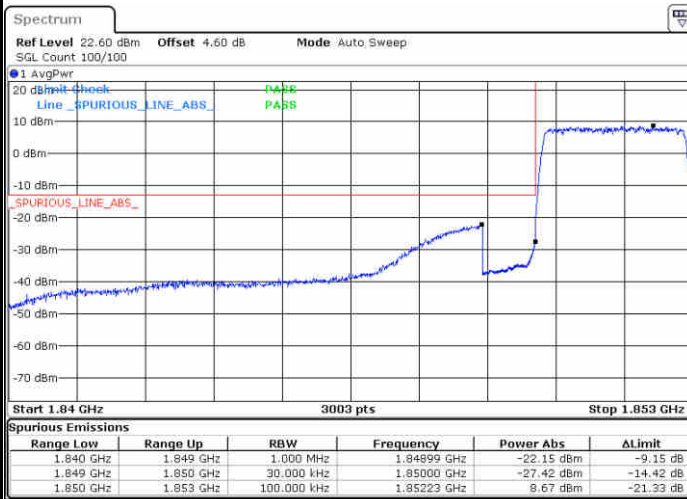
Date: 8 JAN 2020 10:25:16

Highest Band Edge / 1 RB



Date: 8 JAN 2020 10:34:43

Lowest Band Edge / Full RB



Date: 8 JAN 2020 10:27:30

Highest Band Edge / Full RB

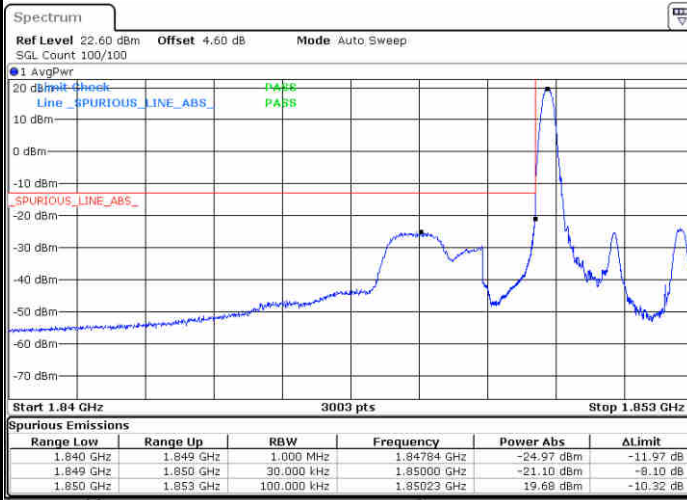


Date: 8 JAN 2020 10:36:58



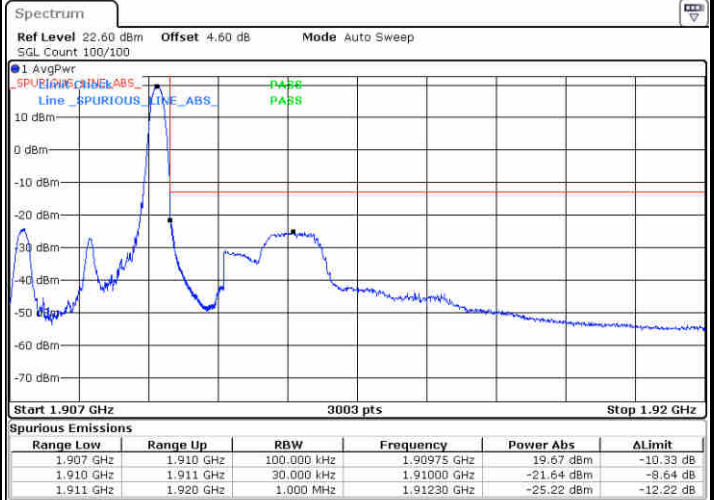
LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 8 JAN 2020 10:26:23

Highest Band Edge / 1 RB



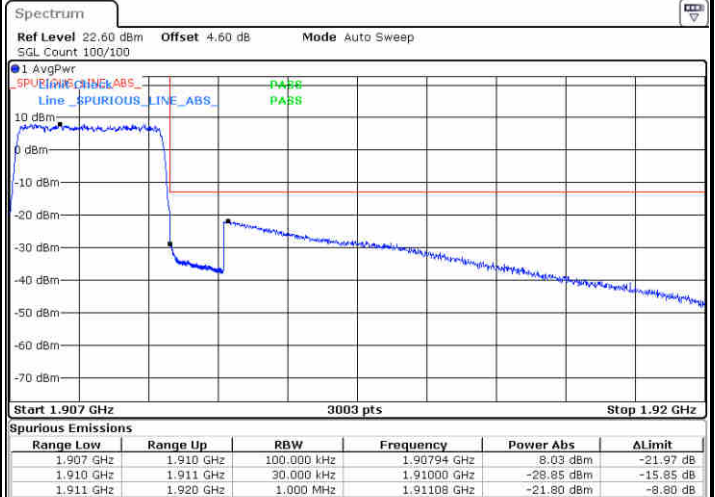
Date: 8 JAN 2020 10:35:51

Lowest Band Edge / Full RB



Date: 8 JAN 2020 10:28:38

Highest Band Edge / Full RB

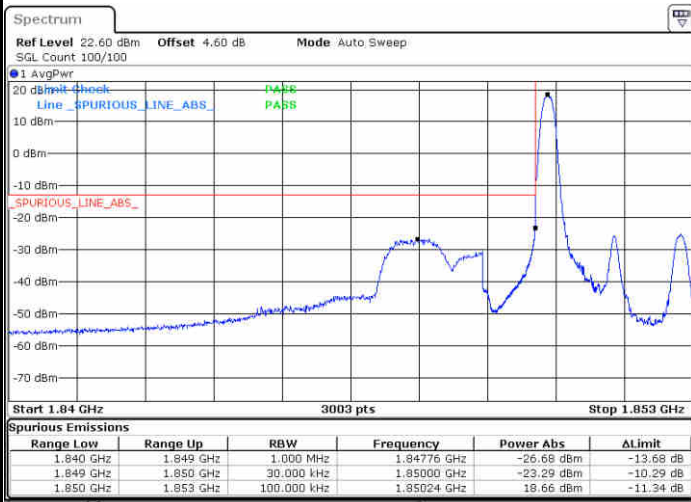


Date: 8 JAN 2020 10:38:05



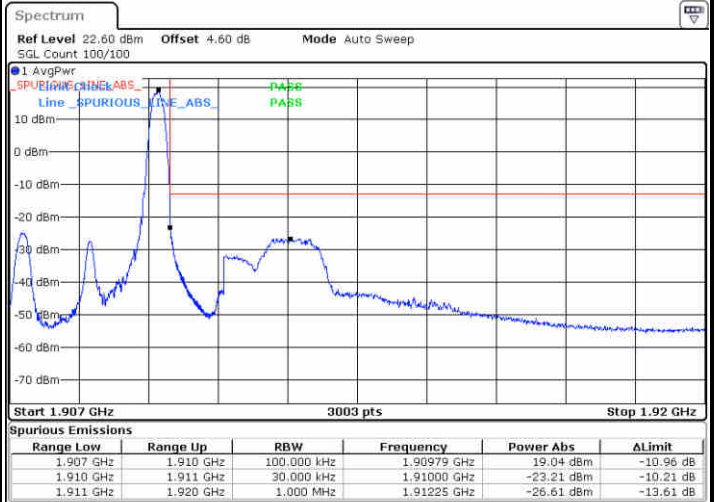
LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 8 JAN 2020 12:23:38

Highest Band Edge / 1 RB



Date: 8 JAN 2020 12:27:00

Lowest Band Edge / Full RB



Date: 8 JAN 2020 12:24:45

Highest Band Edge / Full RB



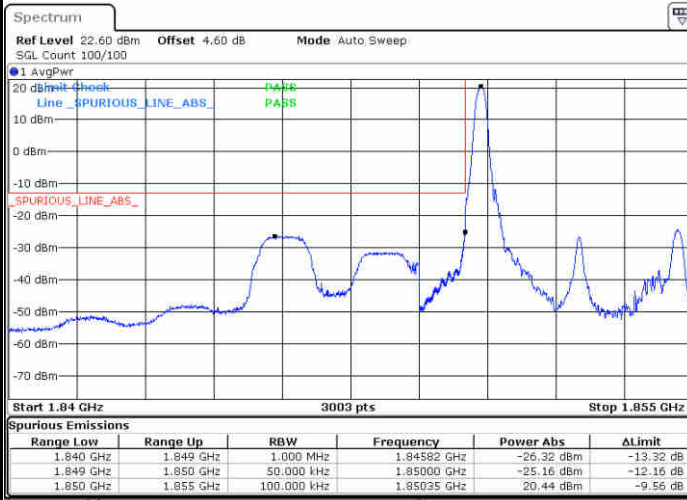
Date: 8 JAN 2020 12:25:53





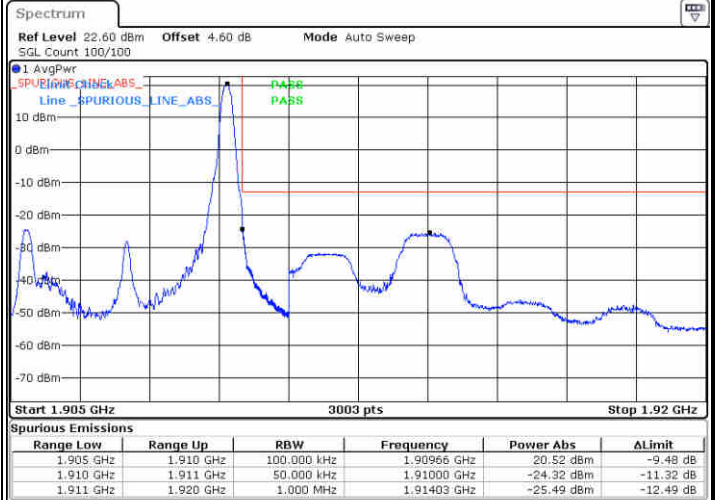
LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB



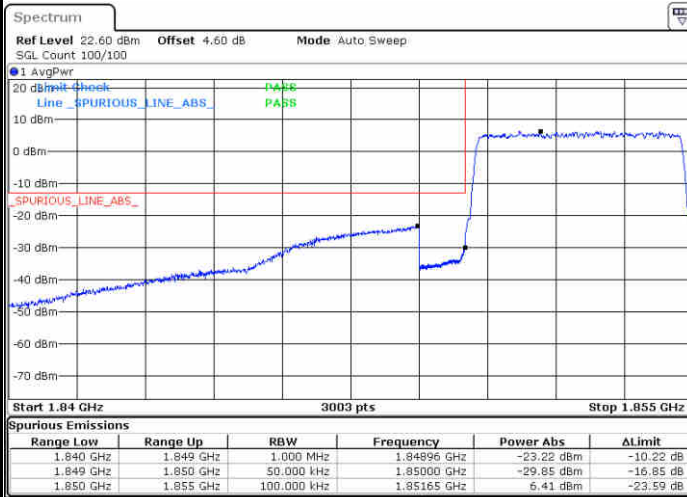
Date: 8 JAN 2020 10:41:42

Highest Band Edge / 1 RB



Date: 8 JAN 2020 10:51:10

Lowest Band Edge / Full RB



Date: 8 JAN 2020 10:43:57

Highest Band Edge / Full RB

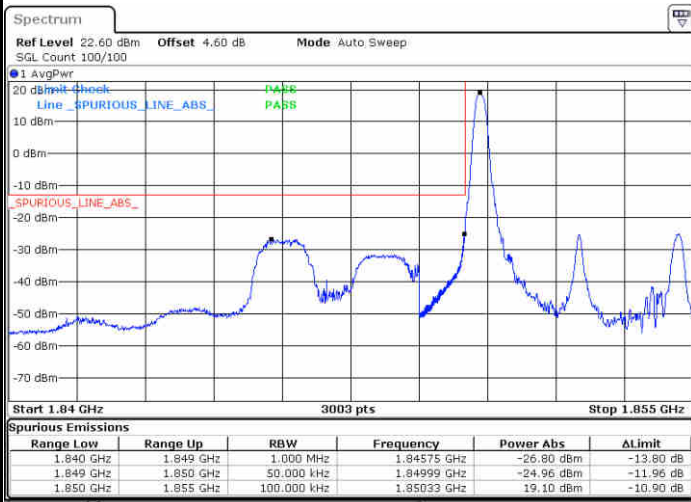


Date: 8 JAN 2020 10:53:25



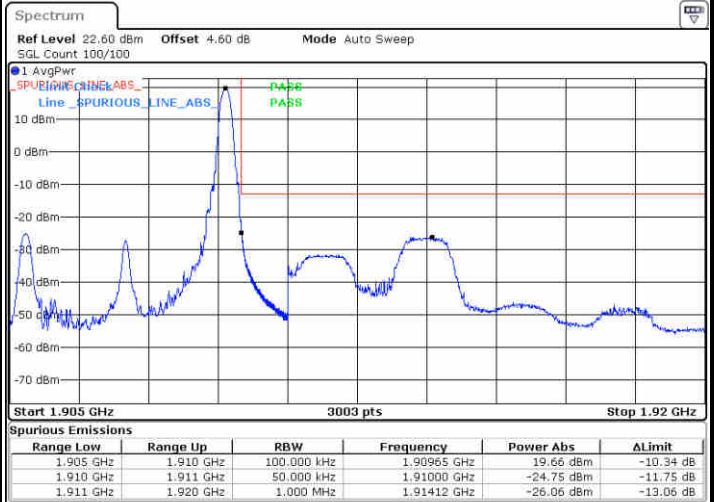
LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



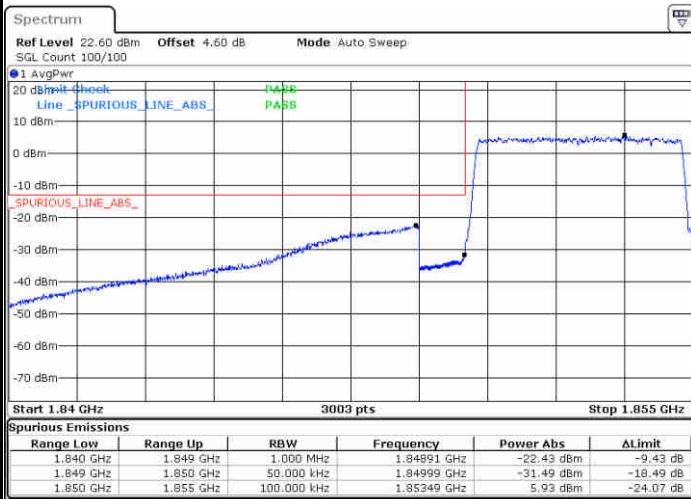
Date: 8 JAN 2020 10:42:49

Highest Band Edge / 1 RB



Date: 8 JAN 2020 10:52:17

Lowest Band Edge / Full RB



Date: 8 JAN 2020 10:45:04

Highest Band Edge / Full RB

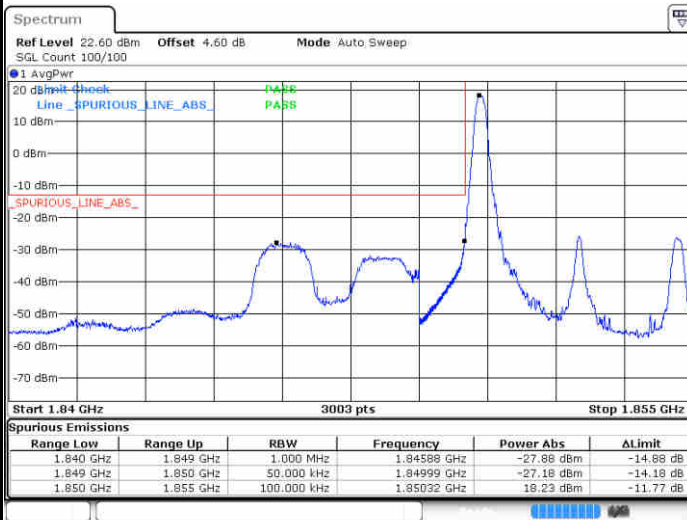


Date: 8 JAN 2020 10:54:32



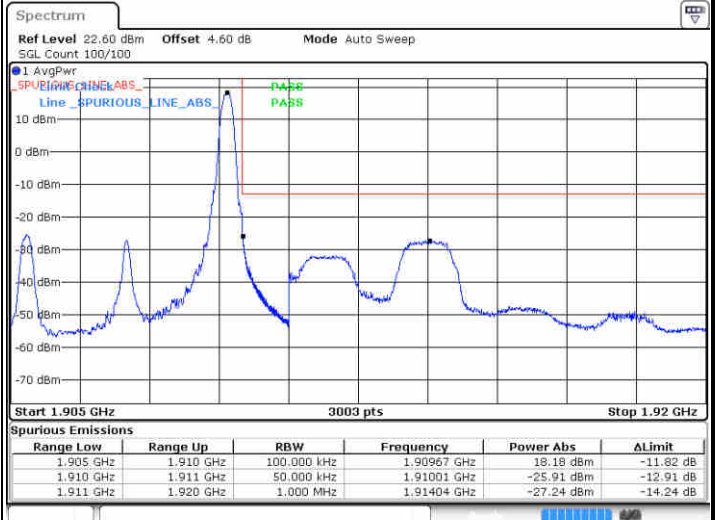
LTE Band 2 / 5MHz / 64QAM

Lowest Band Edge / 1RB



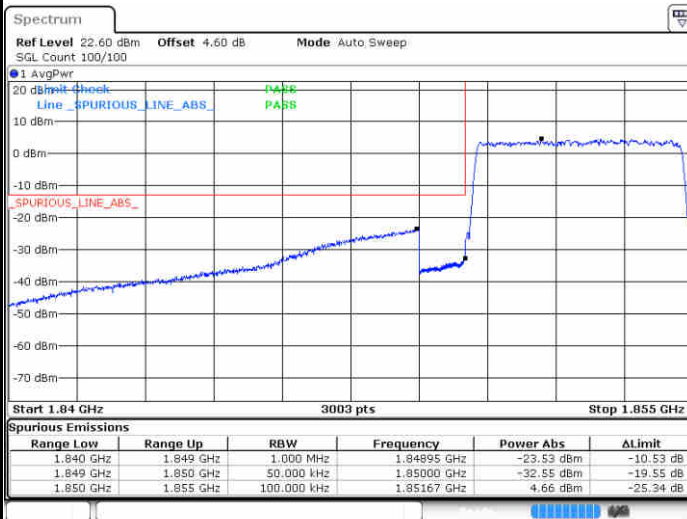
Date: 8 JAN 2020 12:28:07

Highest Band Edge / 1 RB



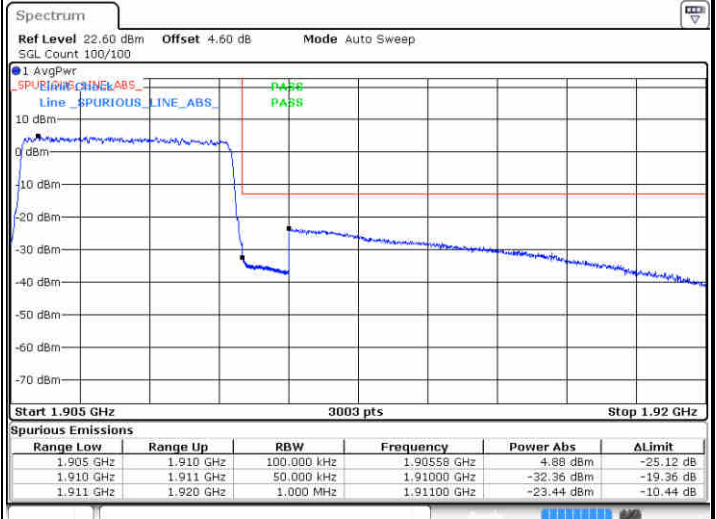
Date: 8 JAN 2020 12:31:30

Lowest Band Edge / Full RB



Date: 8 JAN 2020 12:29:15

Highest Band Edge / Full RB

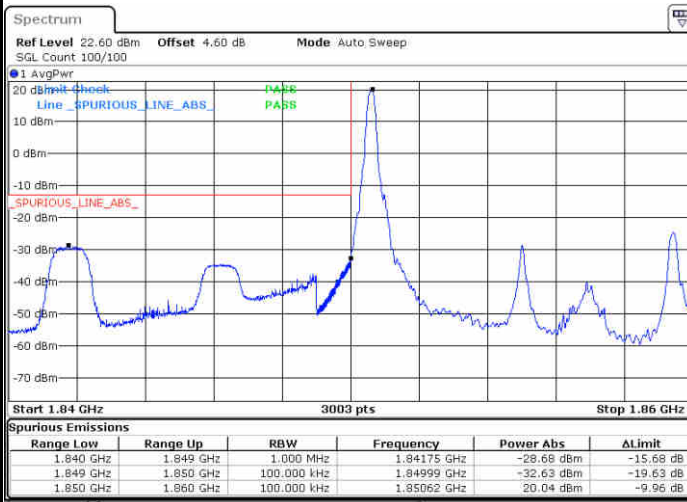


Date: 8 JAN 2020 12:30:22



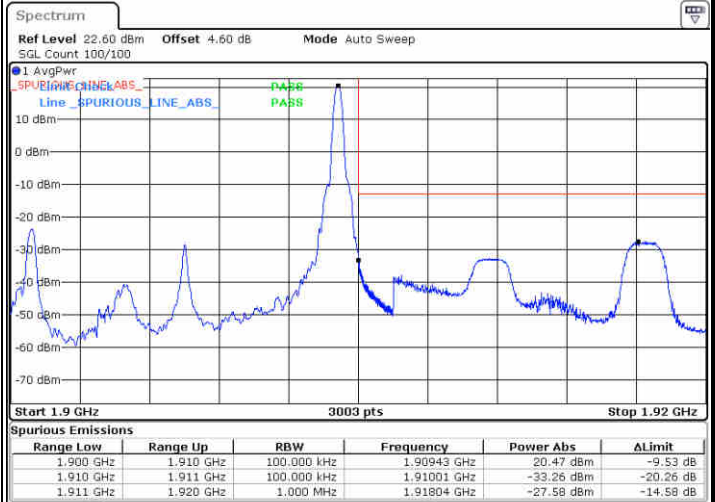
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



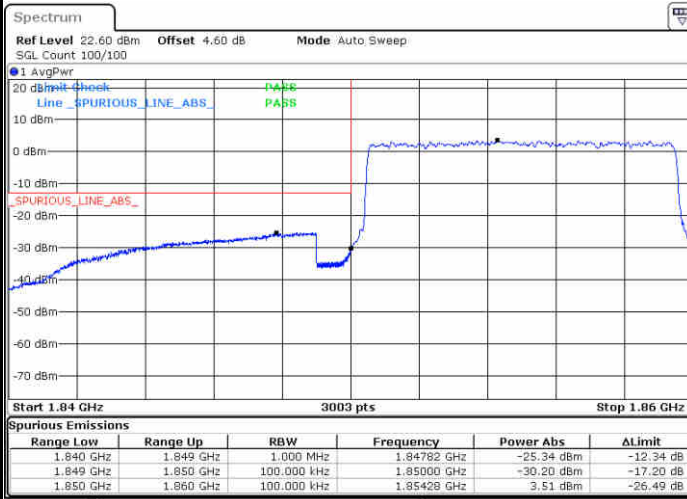
Date: 8 JAN 2020 10:58:08

Highest Band Edge / 1 RB



Date: 8 JAN 2020 11:07:36

Lowest Band Edge / Full RB



Date: 8 JAN 2020 11:00:23

Highest Band Edge / Full RB



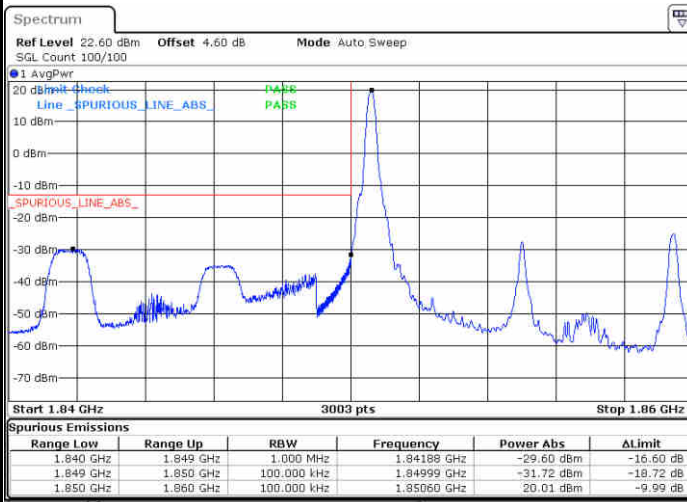
Date: 8 JAN 2020 11:09:51





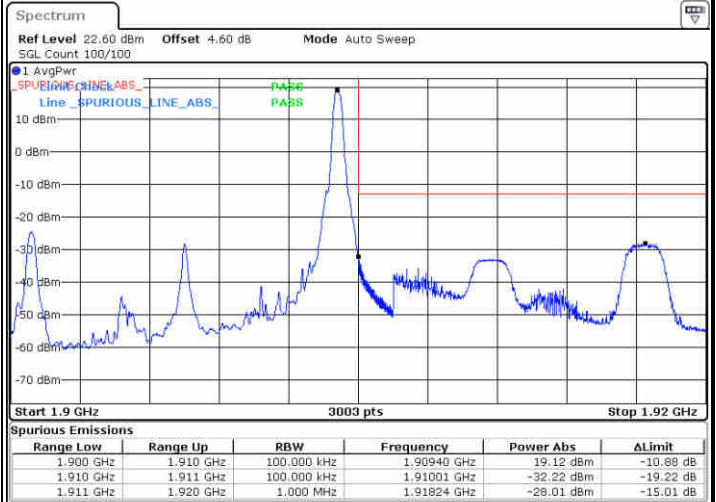
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



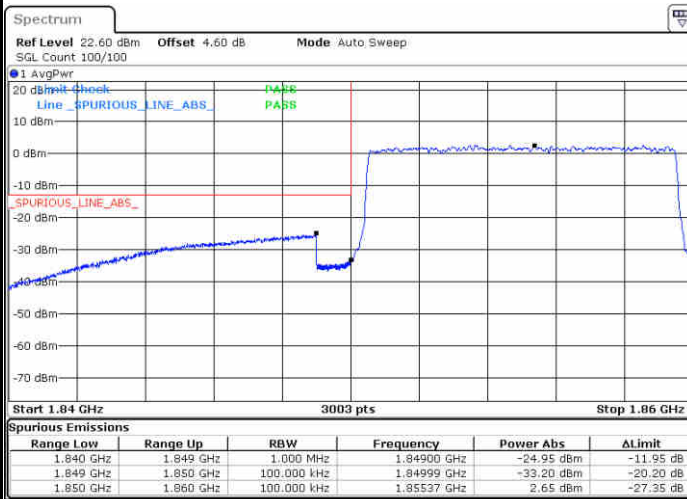
Date: 8 JAN 2020 10:59:16

Highest Band Edge / 1 RB



Date: 8 JAN 2020 11:08:43

Lowest Band Edge / Full RB



Date: 8 JAN 2020 11:01:31

Highest Band Edge / Full RB

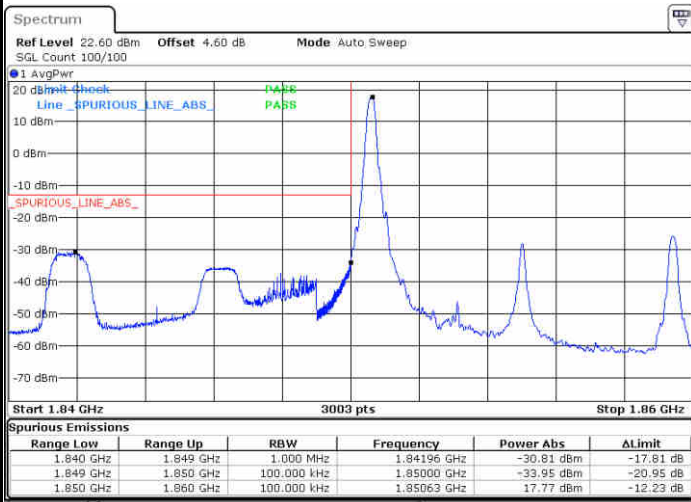


Date: 8 JAN 2020 11:10:58



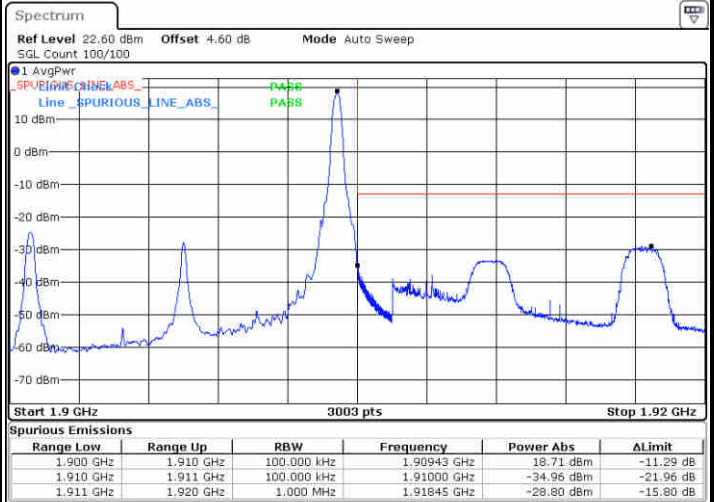
LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



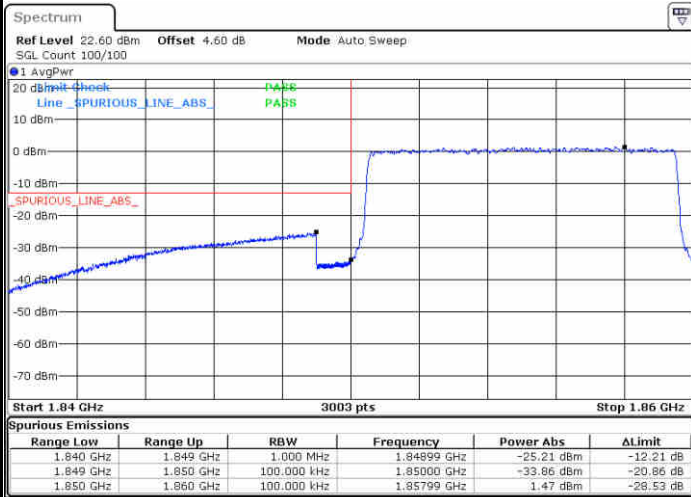
Date: 8 JAN 2020 12:32:37

Highest Band Edge / 1 RB



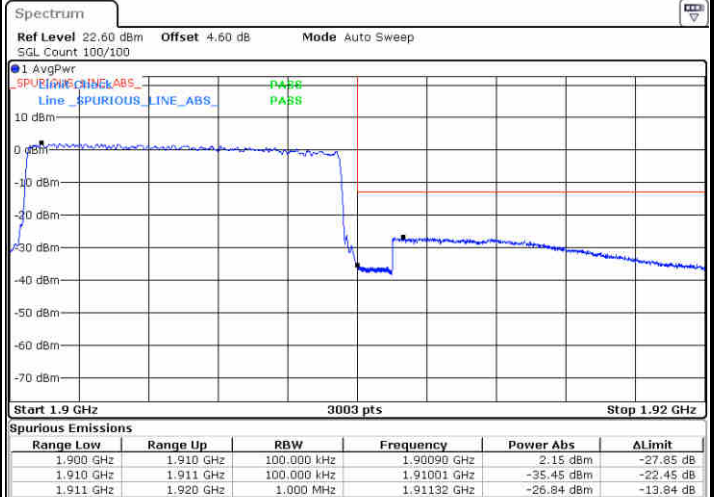
Date: 8 JAN 2020 12:35:59

Lowest Band Edge / Full RB



Date: 8 JAN 2020 12:33:44

Highest Band Edge / Full RB

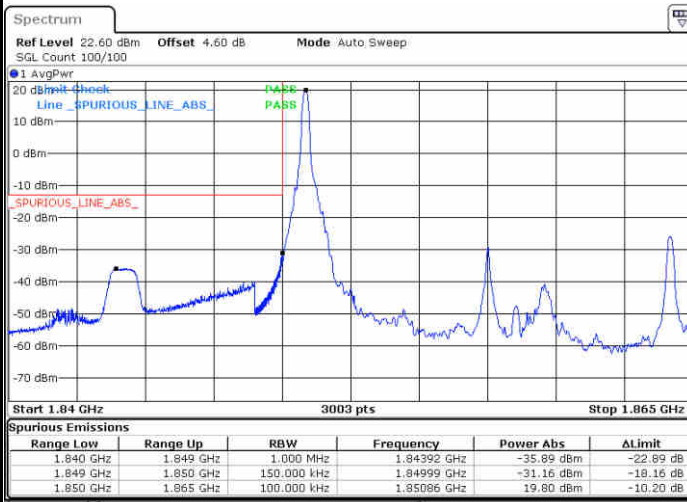


Date: 8 JAN 2020 12:34:52



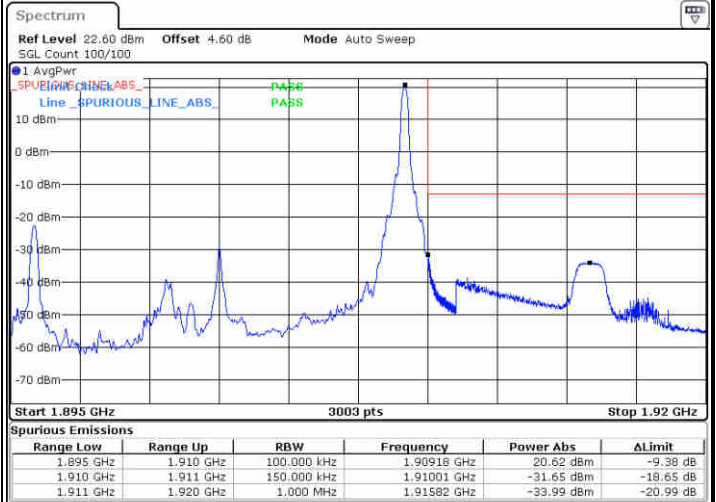
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



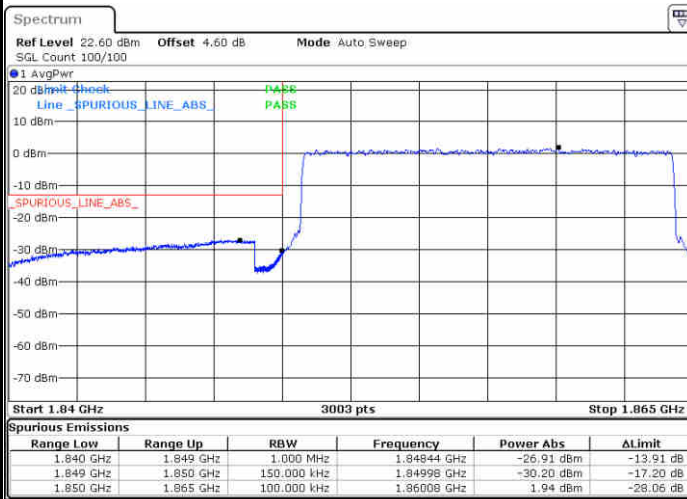
Date: 8 JAN 2020 11:14:34

Highest Band Edge / 1 RB



Date: 8 JAN 2020 11:47:00

Lowest Band Edge / Full RB



Date: 8 JAN 2020 11:16:49

Highest Band Edge / Full RB

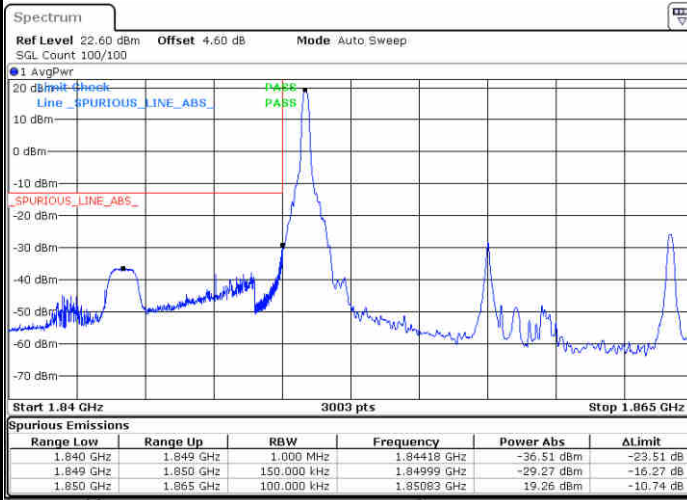


Date: 8 JAN 2020 11:49:15



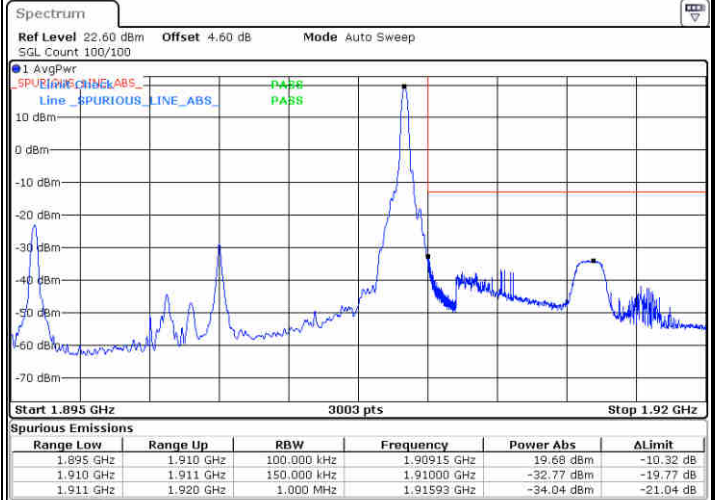
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



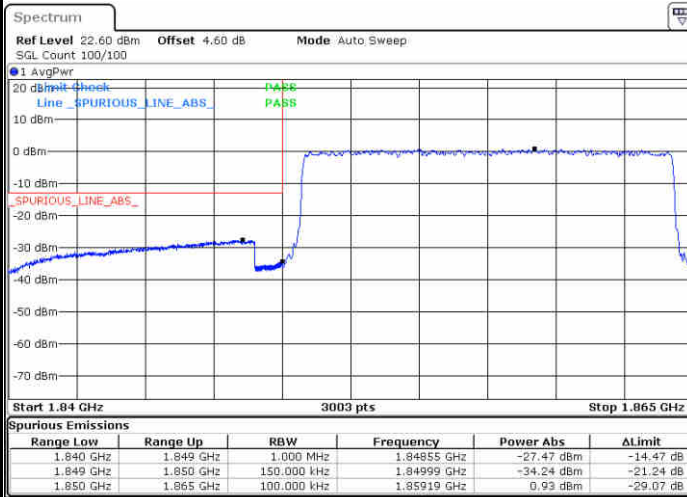
Date: 8 JAN 2020 11:15:42

Highest Band Edge / 1 RB



Date: 8 JAN 2020 11:48:07

Lowest Band Edge / Full RB



Date: 8 JAN 2020 11:17:57

Highest Band Edge / Full RB



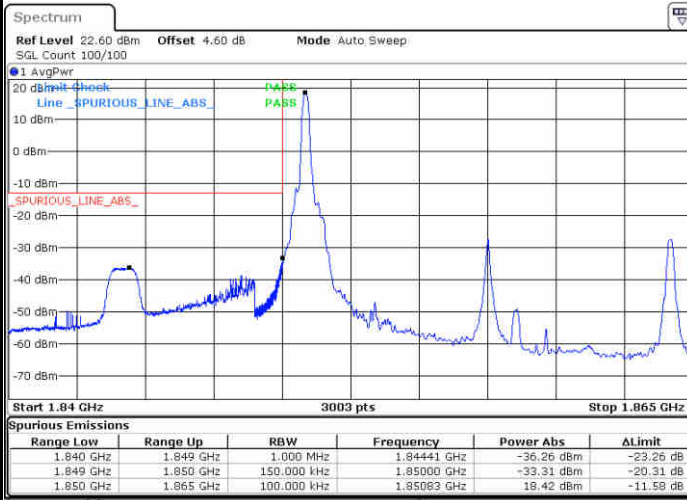
Date: 8 JAN 2020 11:50:22





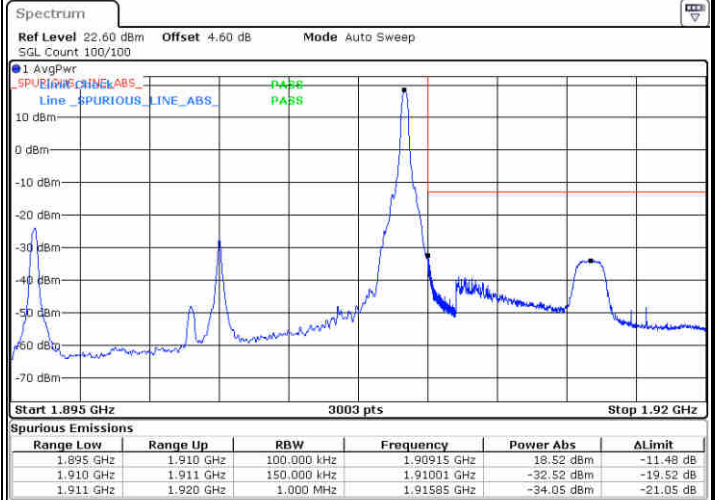
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



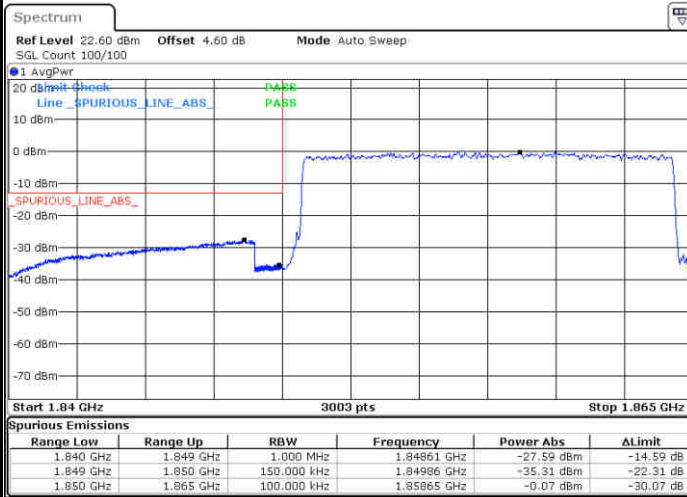
Date: 8 JAN 2020 12:37:06

Highest Band Edge / 1 RB



Date: 8 JAN 2020 12:40:29

Lowest Band Edge / Full RB



Date: 8 JAN 2020 12:38:14

Highest Band Edge / Full RB

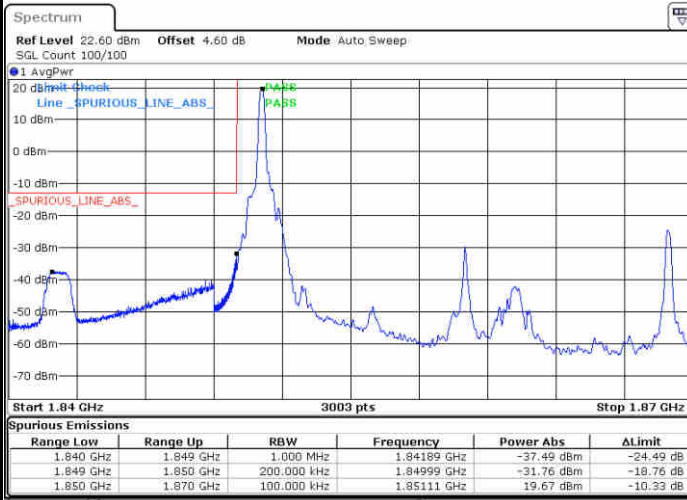


Date: 8 JAN 2020 12:39:21



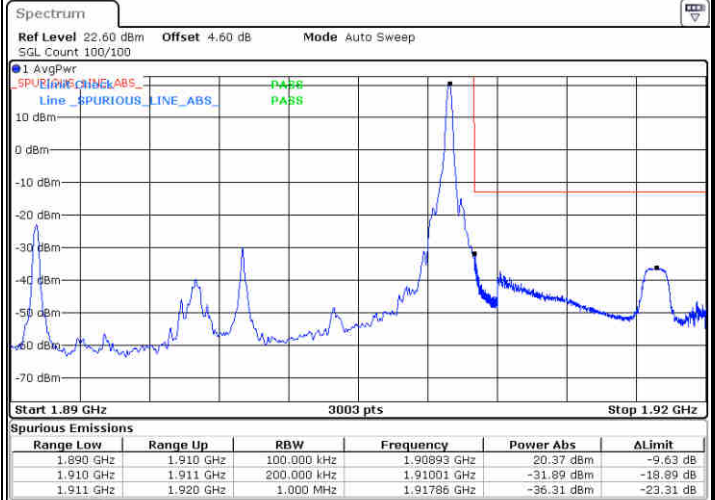
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



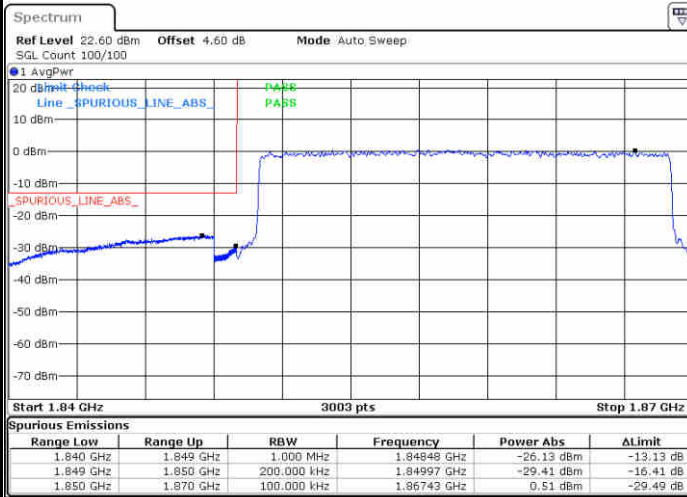
Date: 8 JAN 2020 11:53:58

Highest Band Edge / 1 RB



Date: 8 JAN 2020 12:03:26

Lowest Band Edge / Full RB



Date: 8 JAN 2020 11:56:13

Highest Band Edge / Full RB

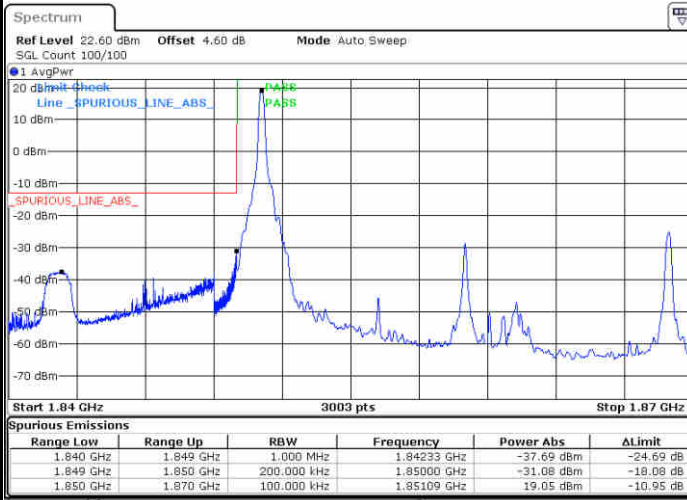


Date: 8 JAN 2020 12:05:41



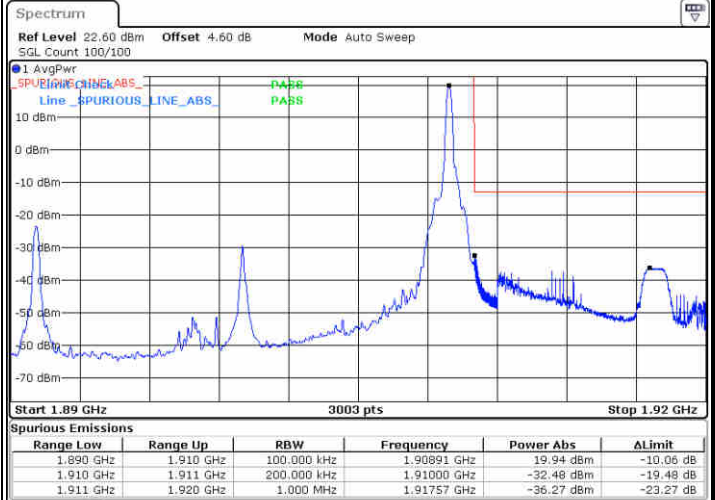
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



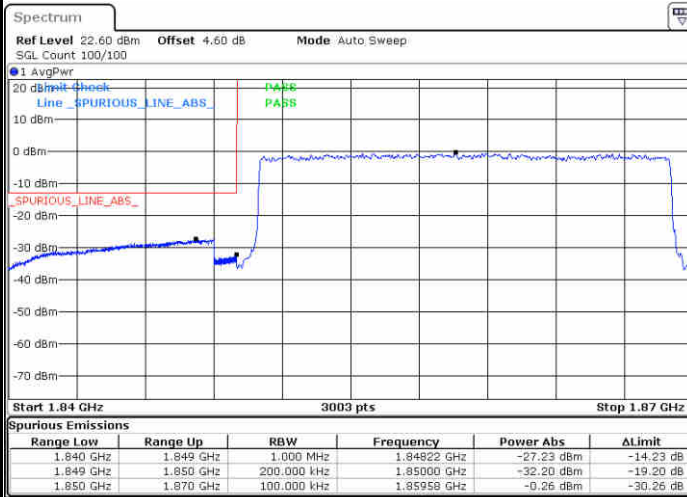
Date: 8 JAN 2020 11:55:06

Highest Band Edge / 1 RB



Date: 8 JAN 2020 12:04:33

Lowest Band Edge / Full RB



Date: 8 JAN 2020 11:57:20

Highest Band Edge / Full RB

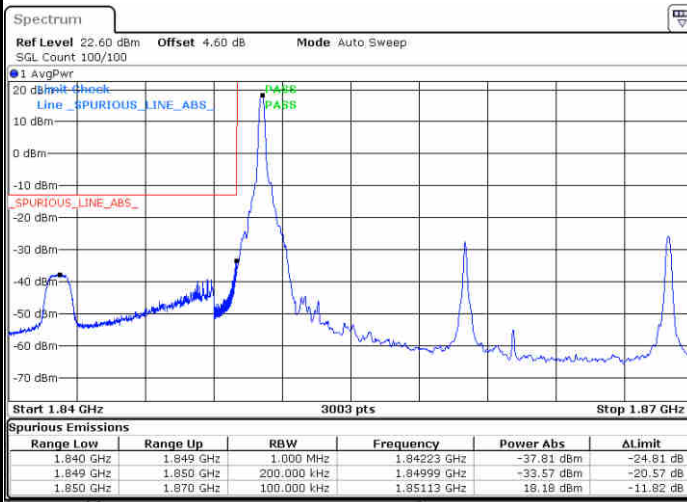


Date: 8 JAN 2020 12:06:48



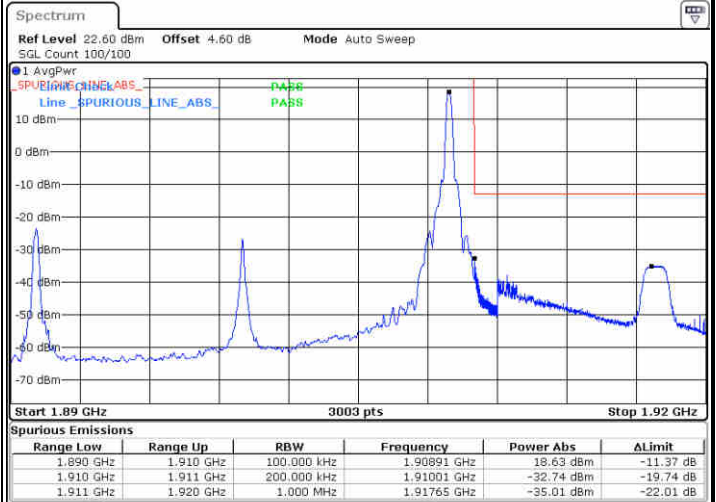
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



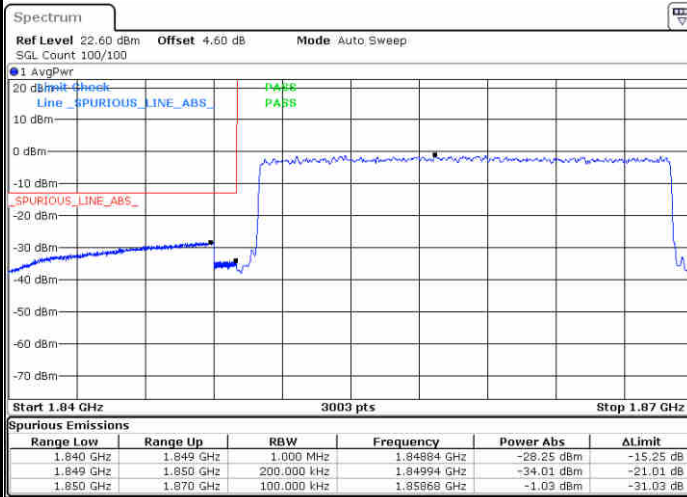
Date: 8 JAN 2020 12:41:36

Highest Band Edge / 1 RB



Date: 8 JAN 2020 12:44:58

Lowest Band Edge / Full RB



Date: 8 JAN 2020 12:42:43

Highest Band Edge / Full RB

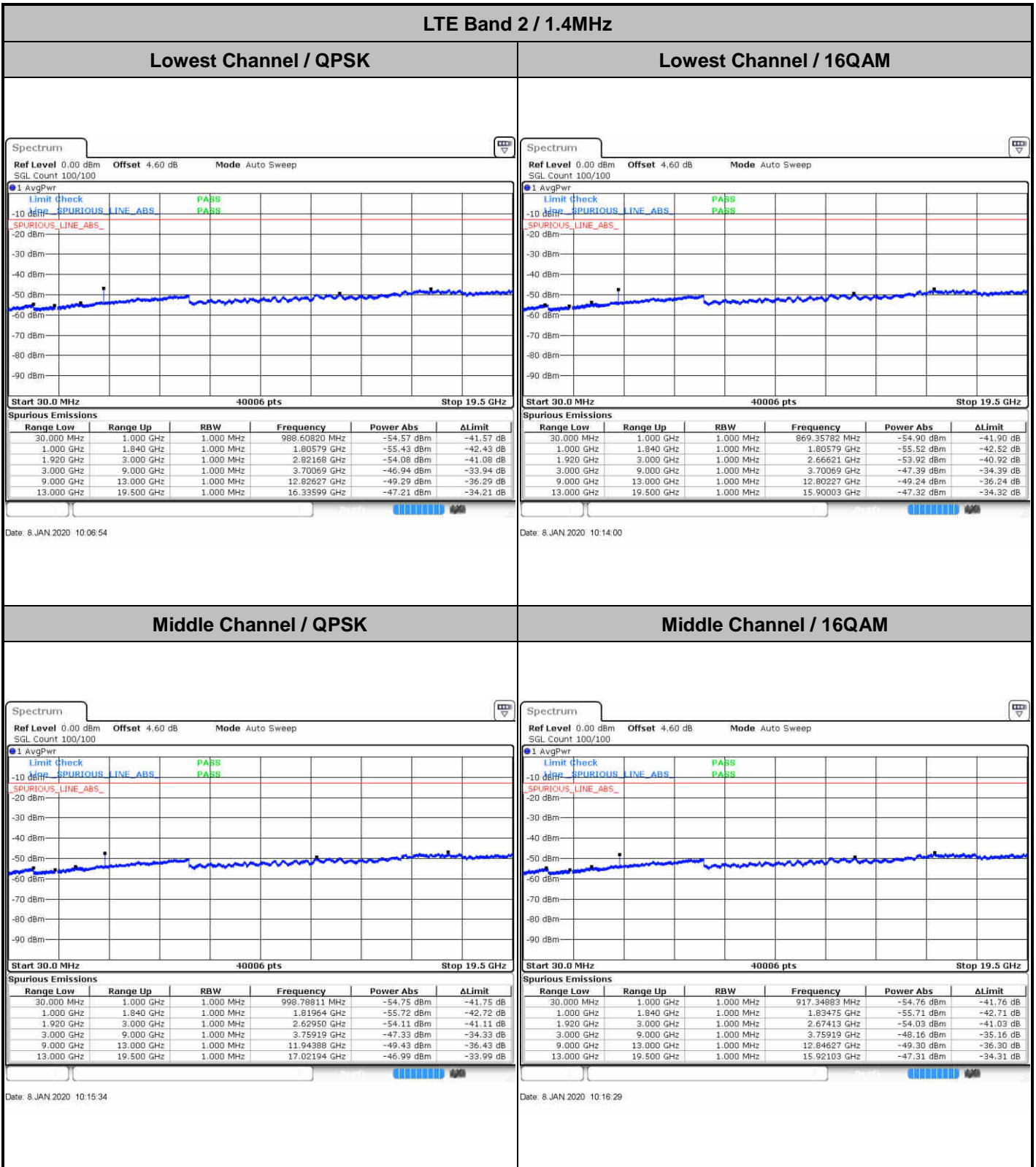


Date: 8 JAN 2020 12:43:51





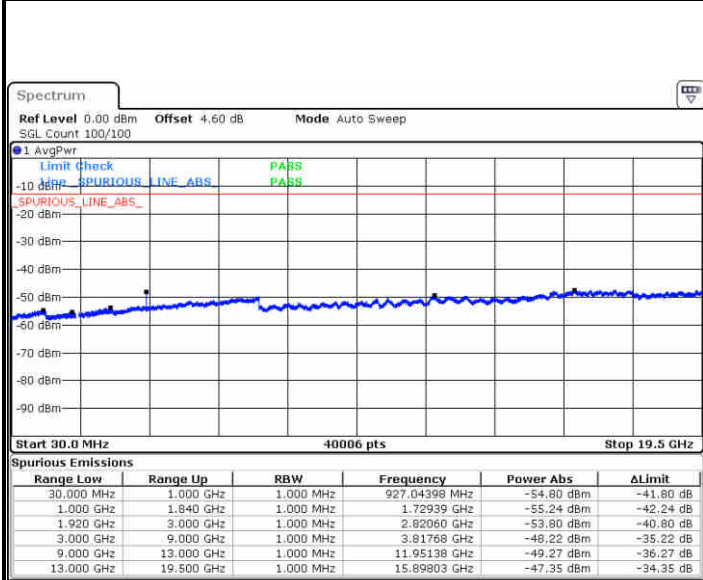
# Conducted Spurious Emission





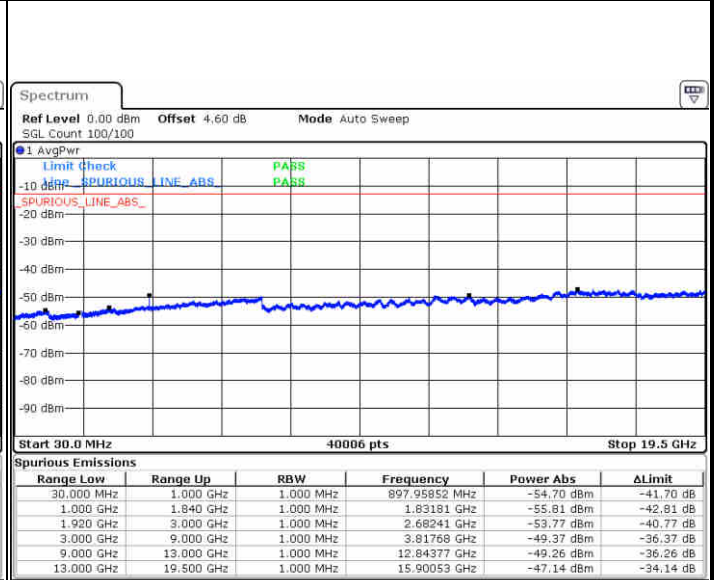
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 8. JAN 2020 10:22:33

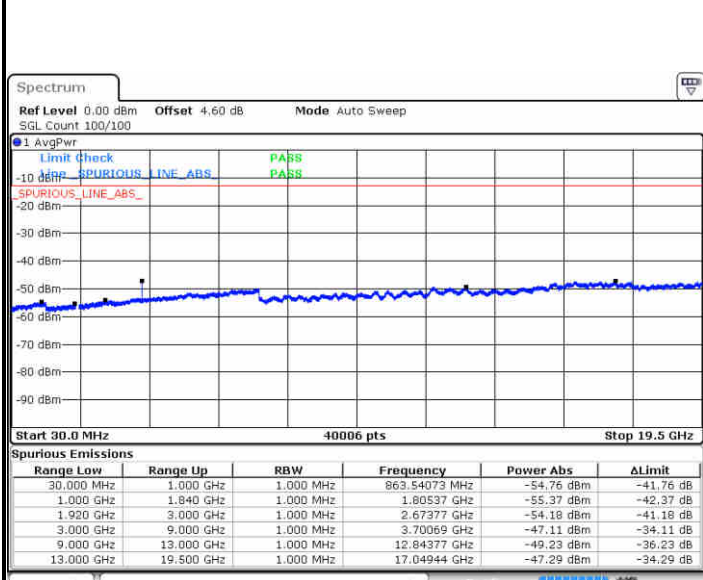
Highest Channel / 16QAM



Date: 8. JAN 2020 10:23:27

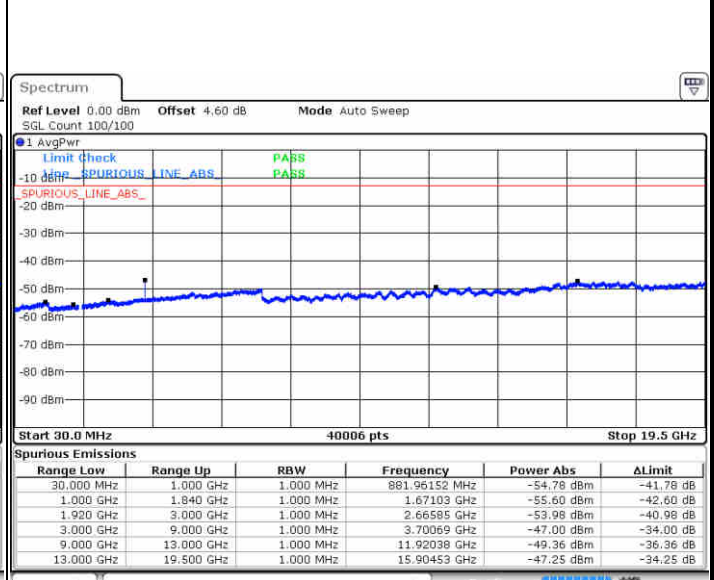
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 8. JAN 2020 10:29:31

Lowest Channel / 16QAM

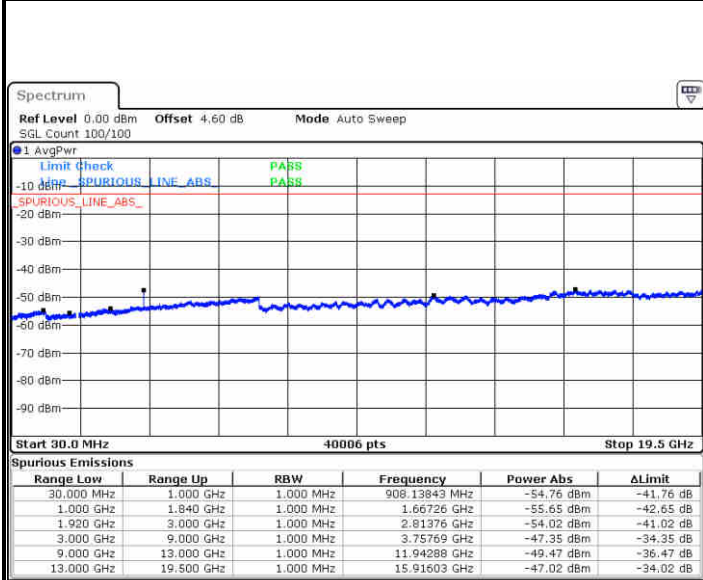


Date: 8. JAN 2020 10:30:26



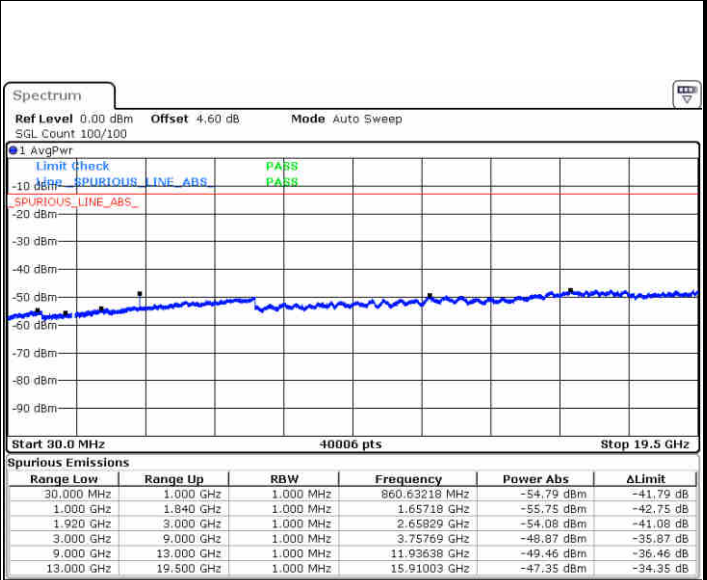
LTE Band 2 / 3MHz

Middle Channel / QPSK



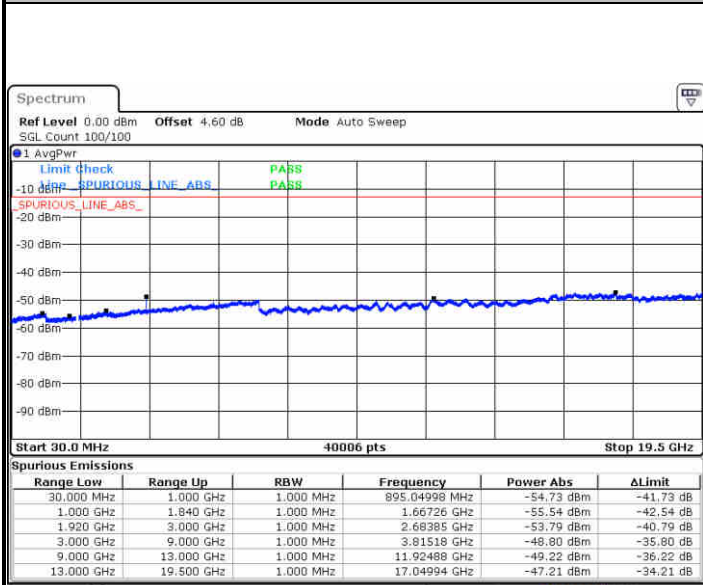
Date: 8. JAN 2020 10:32:00

Middle Channel / 16QAM



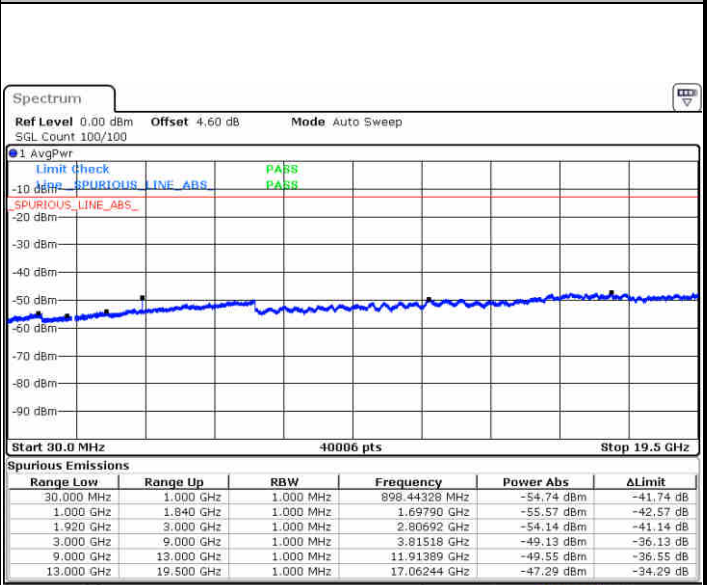
Date: 8. JAN 2020 10:32:55

Highest Channel / QPSK



Date: 8. JAN 2020 10:38:59

Highest Channel / 16QAM

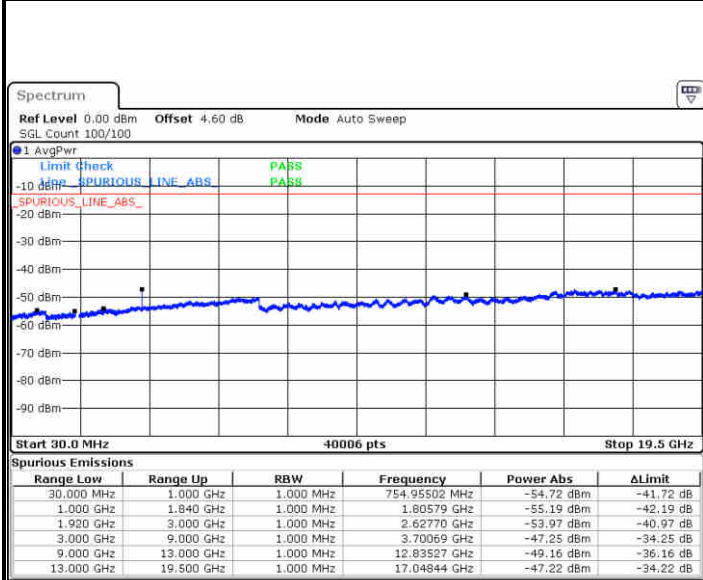


Date: 8. JAN 2020 10:39:53



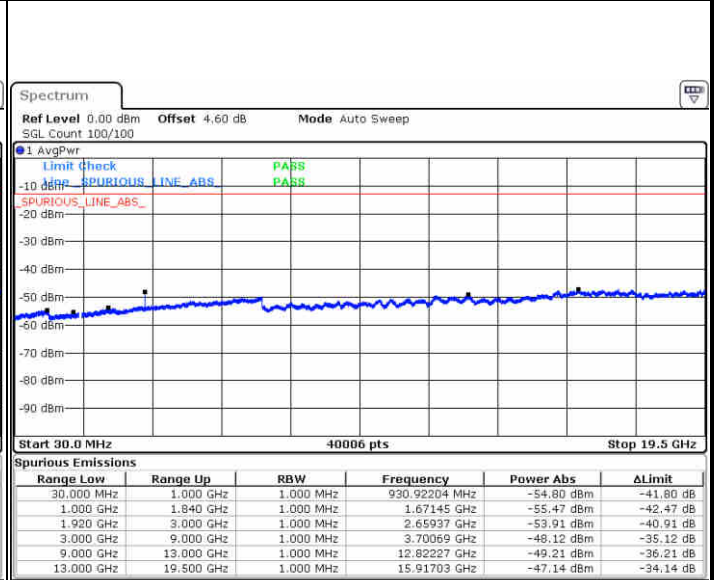
LTE Band 2 / 5MHz

Lowest Channel / QPSK



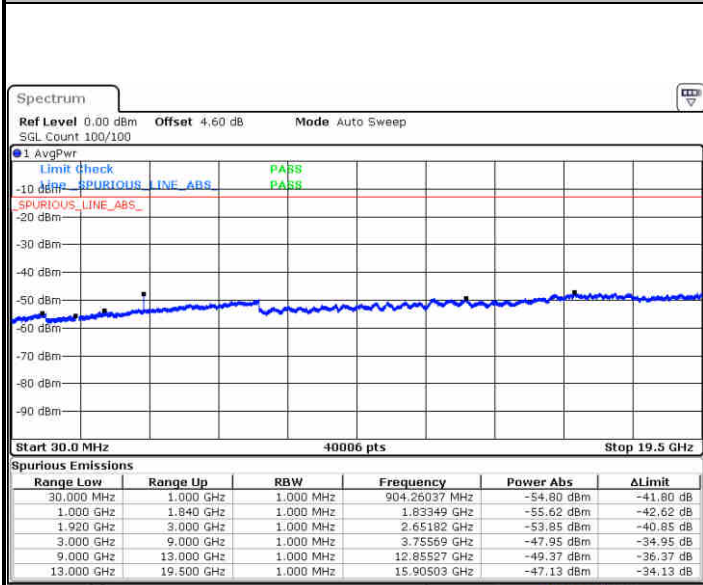
Date: 8. JAN 2020 10:45:58

Lowest Channel / 16QAM



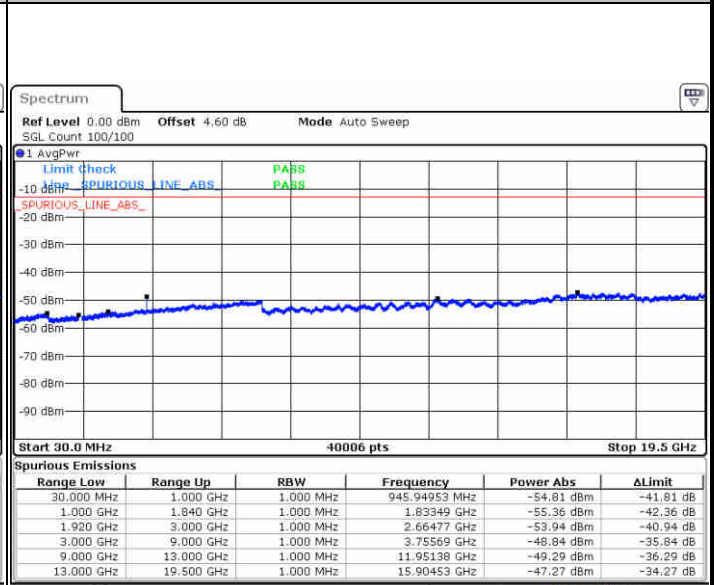
Date: 8. JAN 2020 10:46:52

Middle Channel / QPSK



Date: 8. JAN 2020 10:48:27

Middle Channel / 16QAM



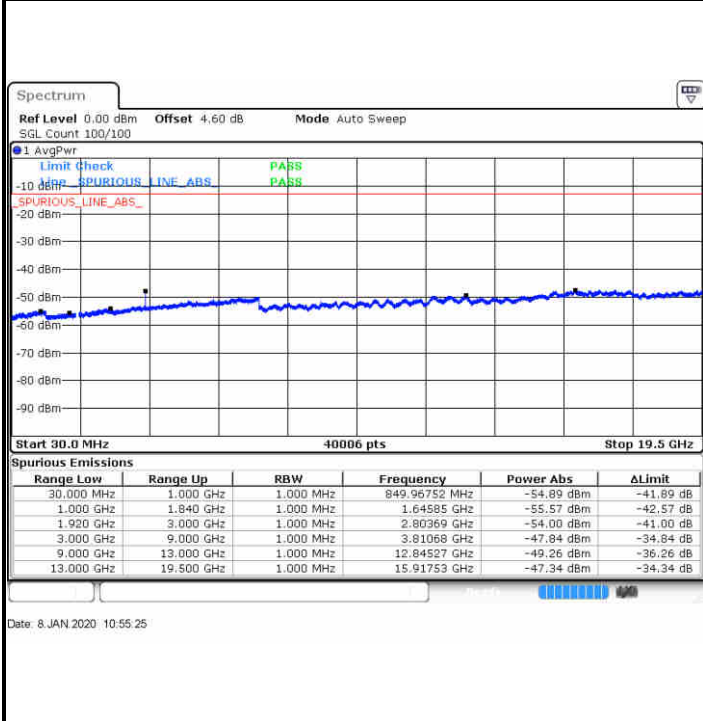
Date: 8. JAN 2020 10:49:21





LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 8 JAN 2020 10:55:25

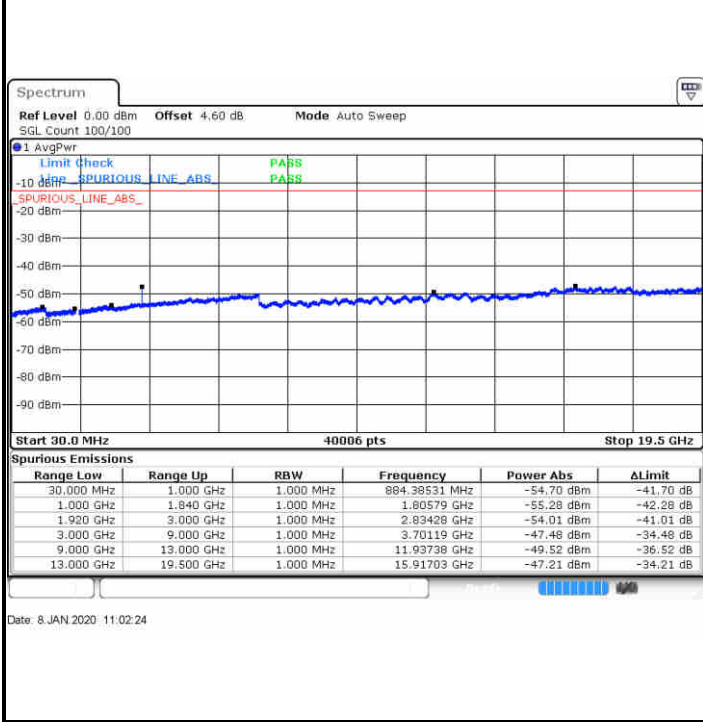
Highest Channel / 16QAM



Date: 8 JAN 2020 10:56:20

LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 8 JAN 2020 11:02:24

Lowest Channel / 16QAM



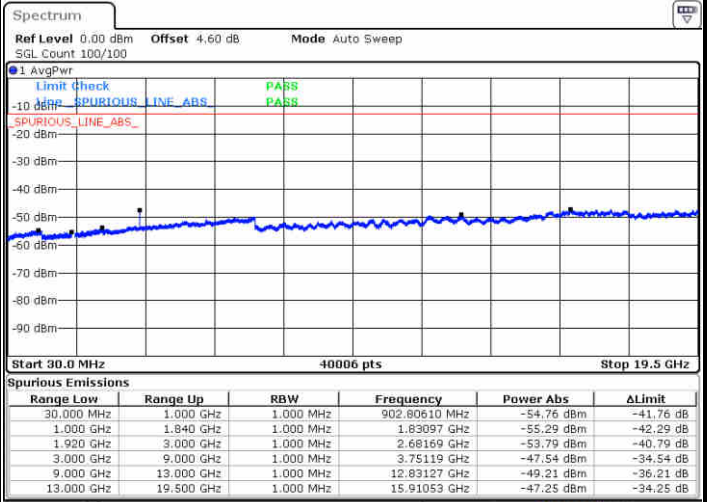
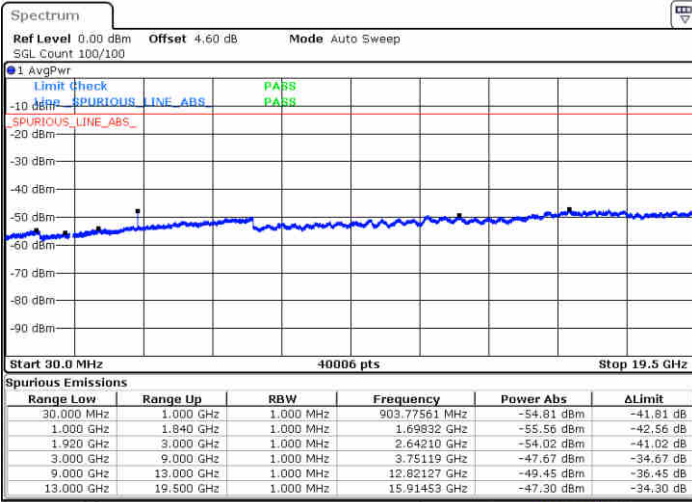
Date: 8 JAN 2020 11:03:19



LTE Band 2 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

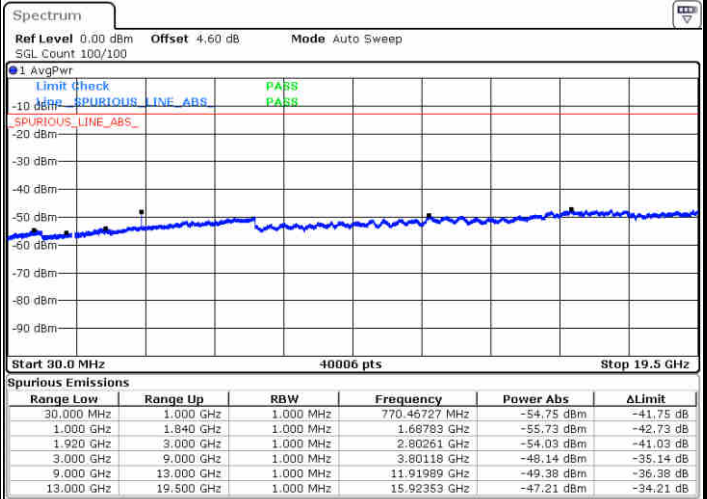
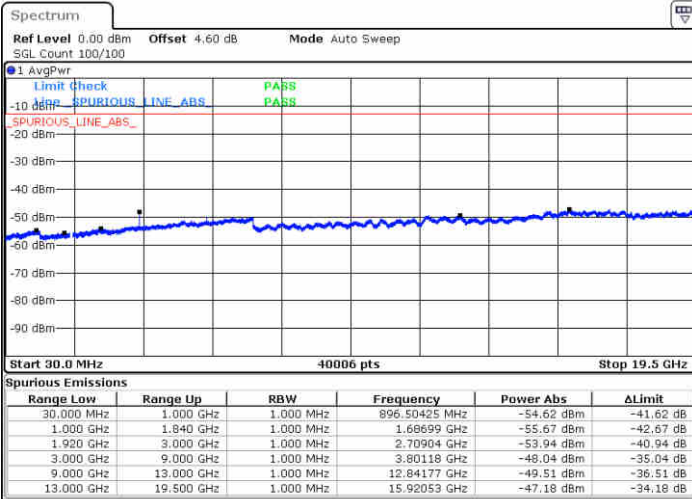


Date: 8. JAN 2020 11:04:53

Date: 8. JAN 2020 11:05:48

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 8. JAN 2020 11:11:52

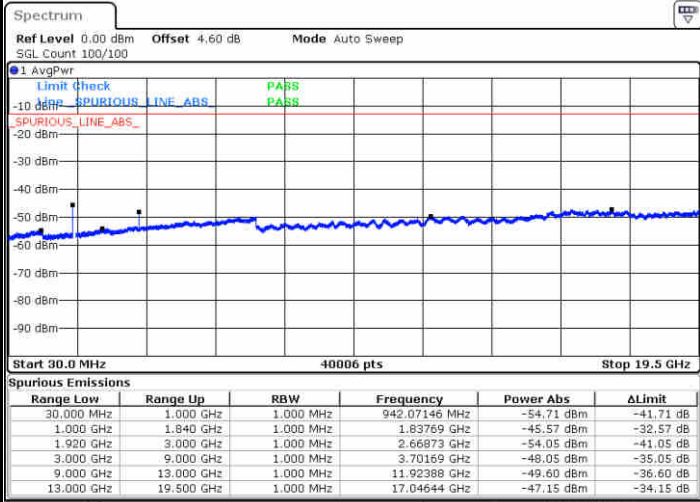
Date: 8. JAN 2020 11:12:46



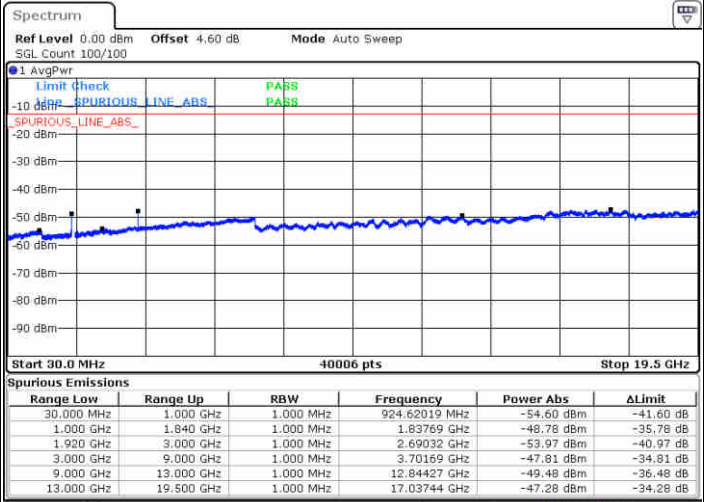
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



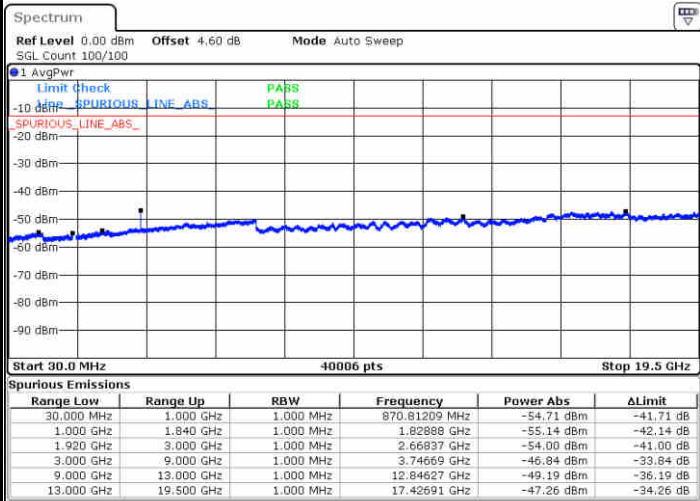
Date: 8. JAN 2020 11:18:50



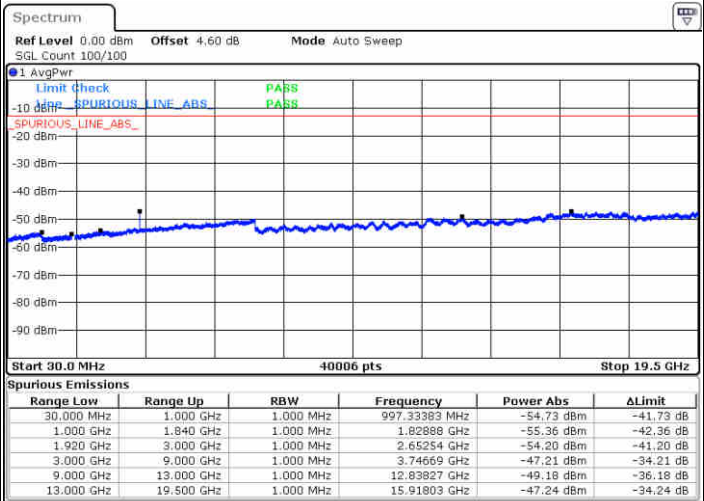
Date: 8. JAN 2020 11:42:42

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 8. JAN 2020 11:44:17



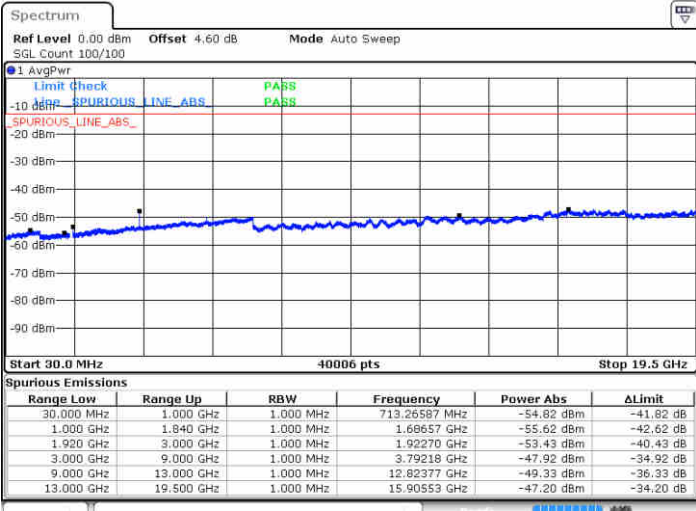
Date: 8. JAN 2020 11:45:11



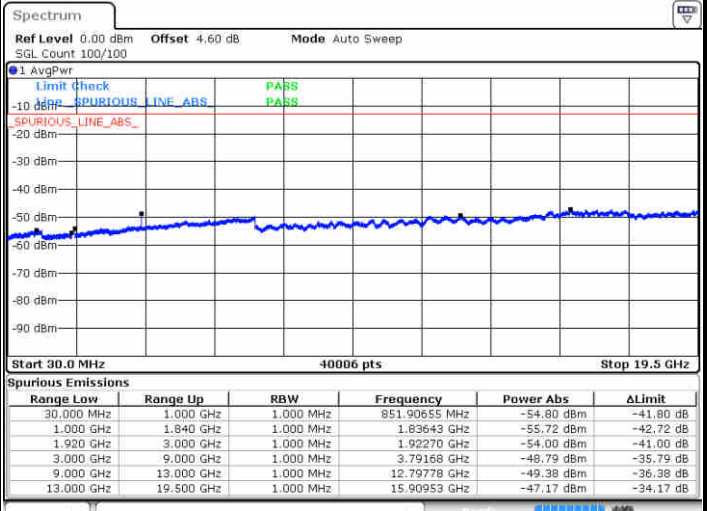
LTE Band 2 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 8 JAN 2020 11:51:15

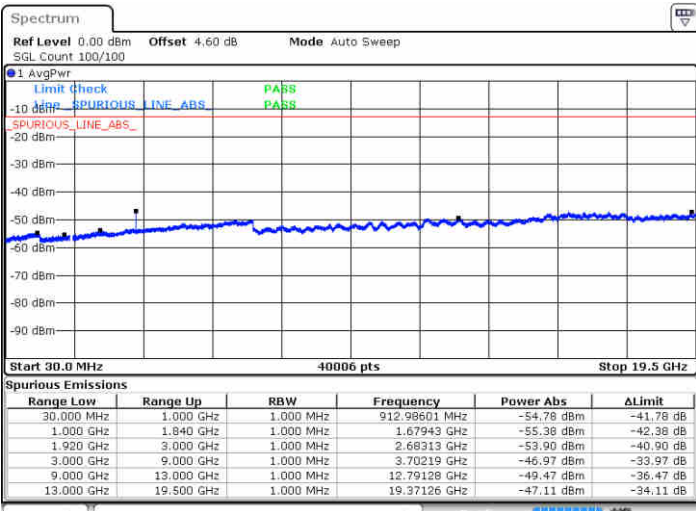


Date: 8 JAN 2020 11:52:10

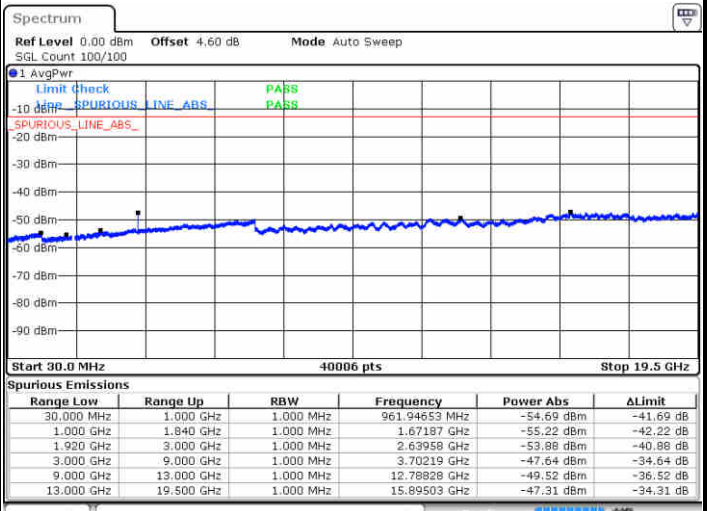
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 8 JAN 2020 11:58:14



Date: 8 JAN 2020 11:59:08

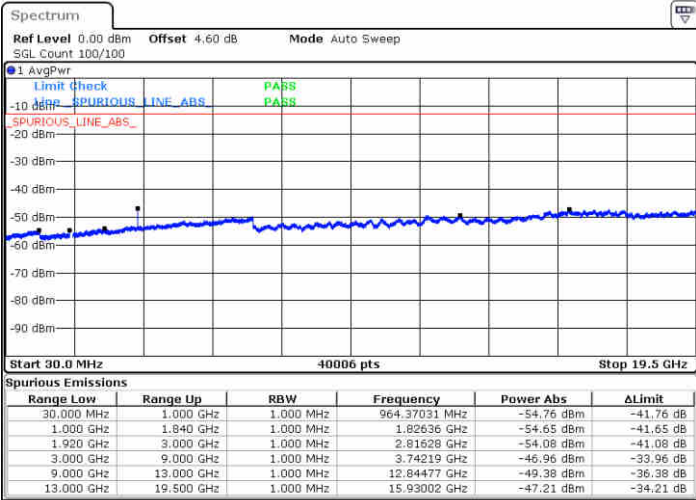




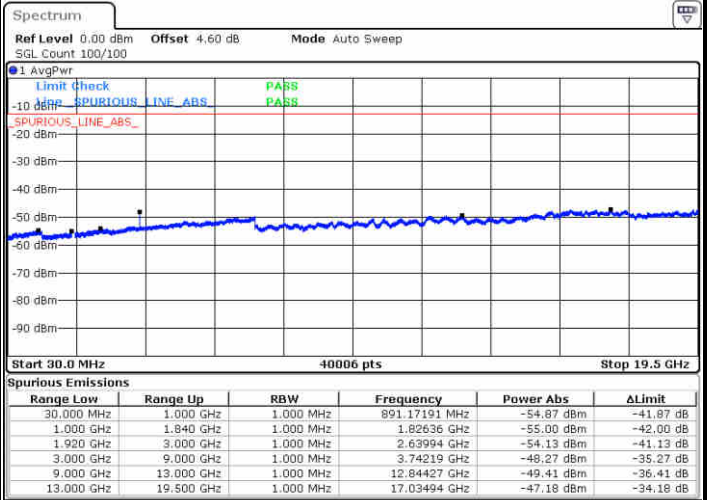
LTE Band 2 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



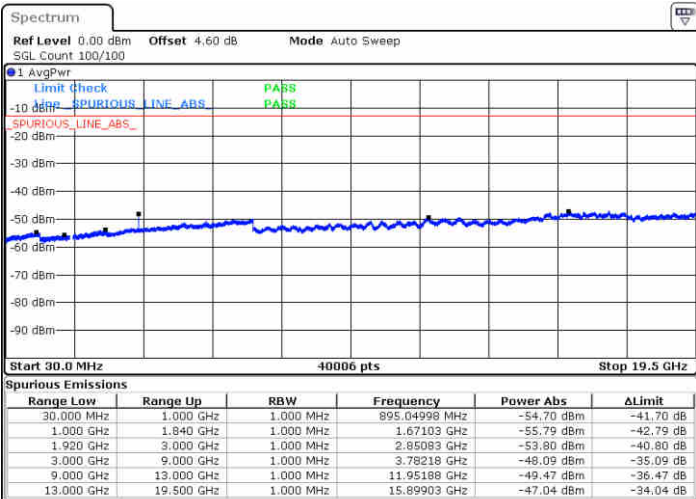
Date: 8. JAN 2020 12:00:43



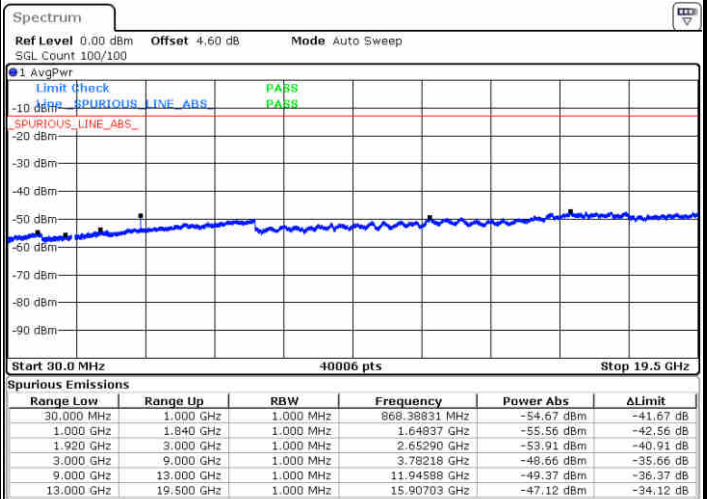
Date: 8. JAN 2020 12:01:37

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 8. JAN 2020 12:07:42



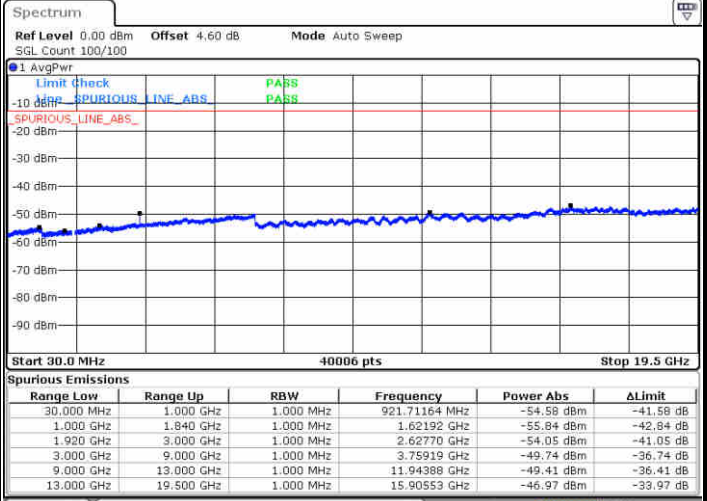
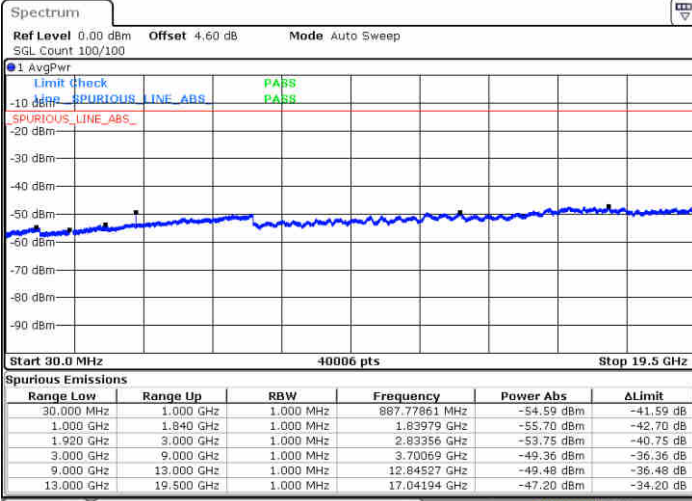
Date: 8. JAN 2020 12:08:36



LTE Band 2 / 1.4MHz

Lowest Channel / 64QAM

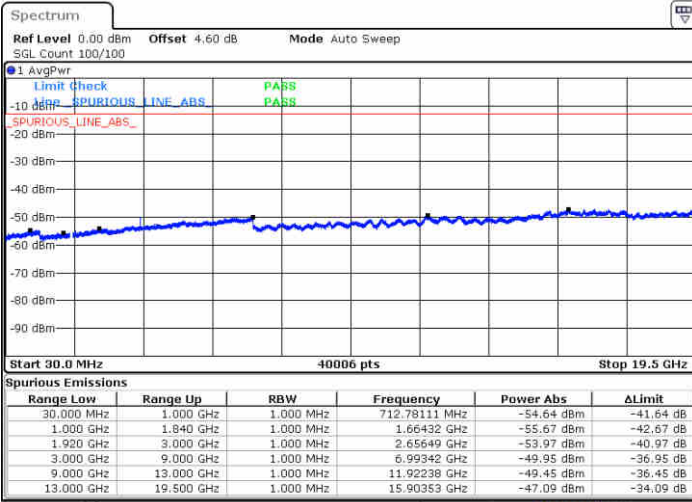
Middle Channel / 64QAM



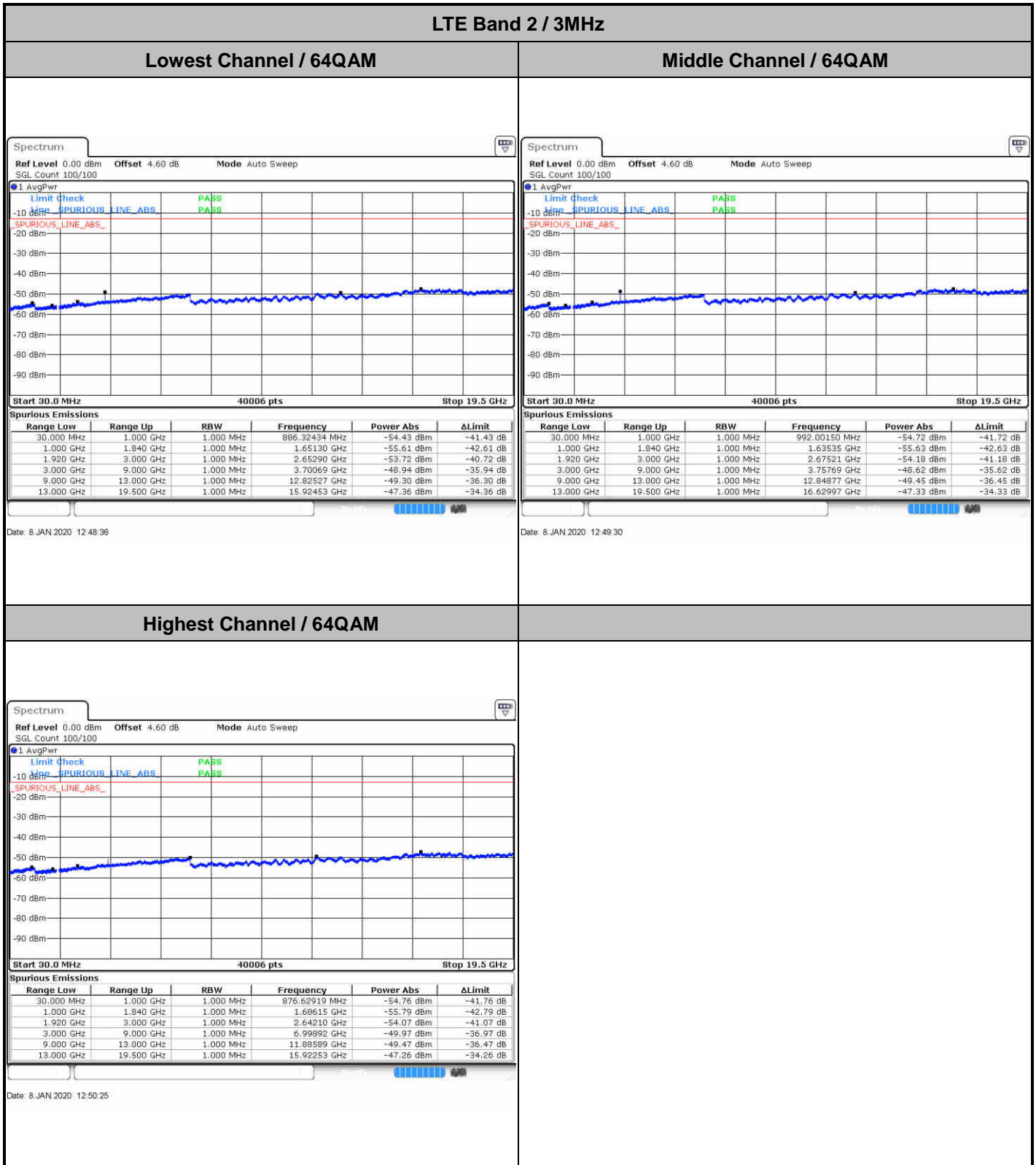
Date: 8. JAN 2020 12:45:52

Date: 8. JAN 2020 12:46:46

Highest Channel / 64QAM



Date: 8. JAN 2020 12:47:41

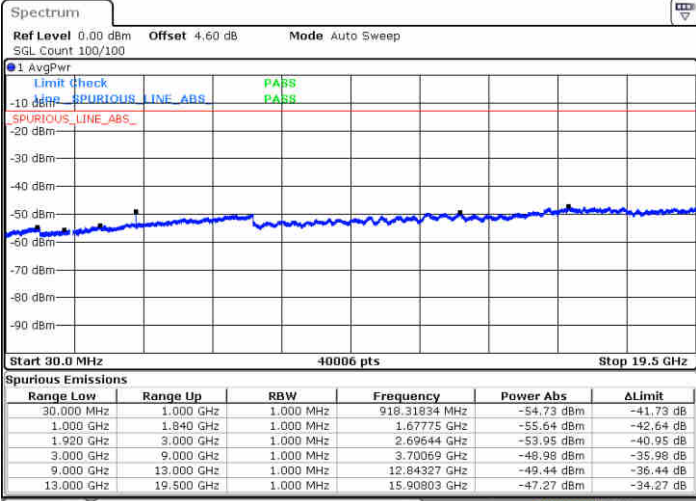




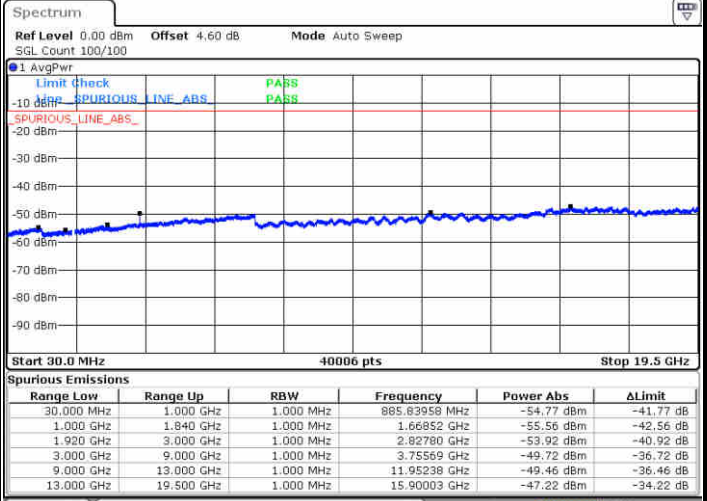
LTE Band 2 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

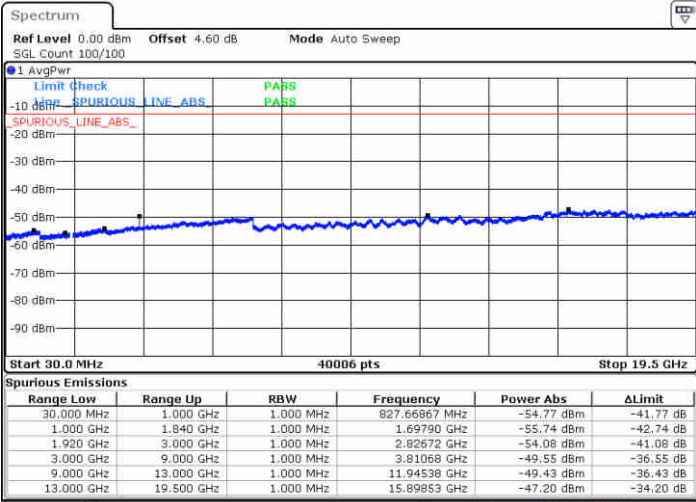


Date: 8. JAN 2020 12:51:19



Date: 8. JAN 2020 12:52:14

Highest Channel / 64QAM

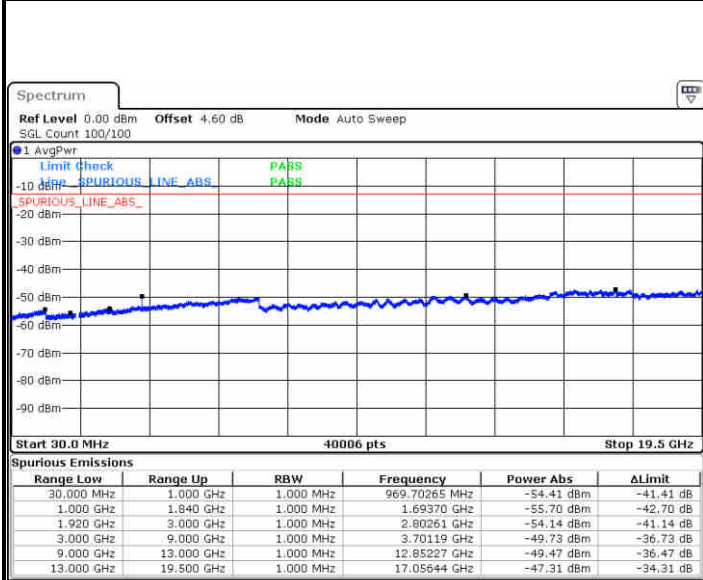


Date: 8. JAN 2020 12:53:09



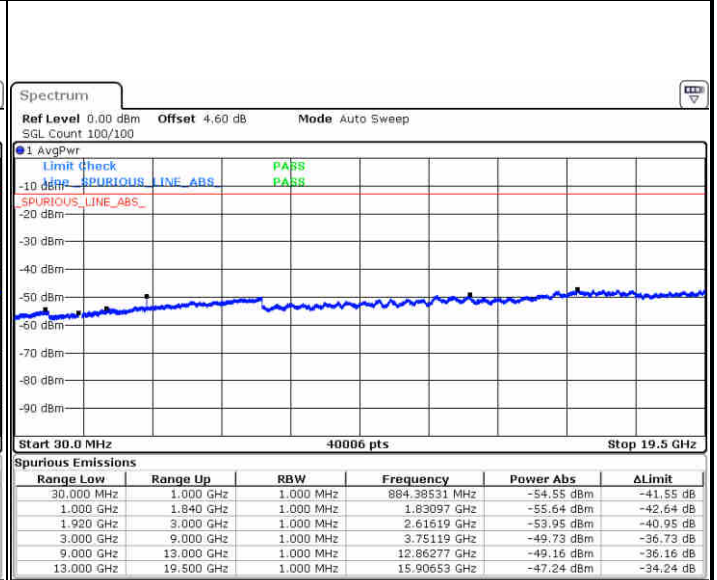
**LTE Band 2 / 10MHz**

**Lowest Channel / 64QAM**



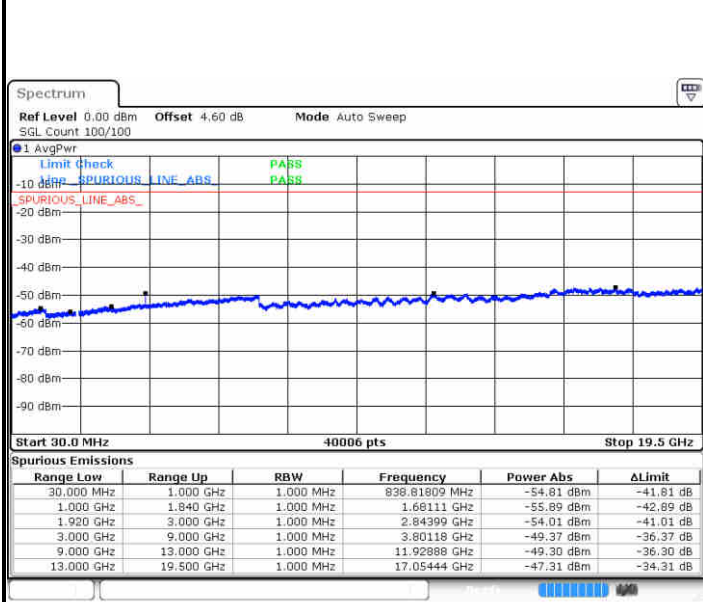
Date: 8. JAN 2020 12:54:03

**Middle Channel / 64QAM**



Date: 8. JAN 2020 12:54:57

**Highest Channel / 64QAM**



Date: 8. JAN 2020 12:55:52

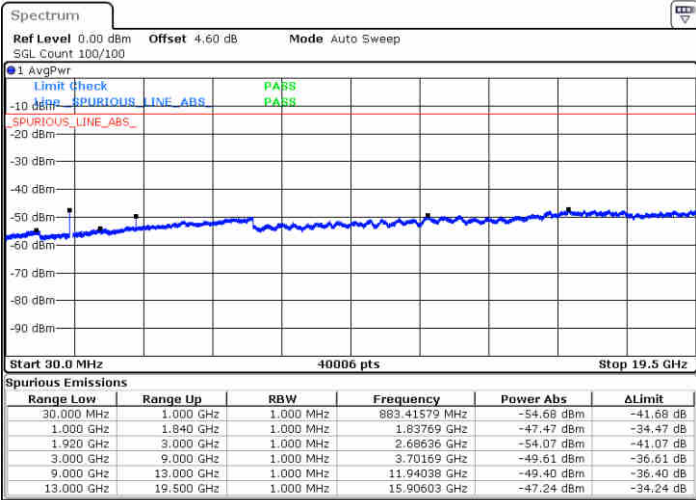




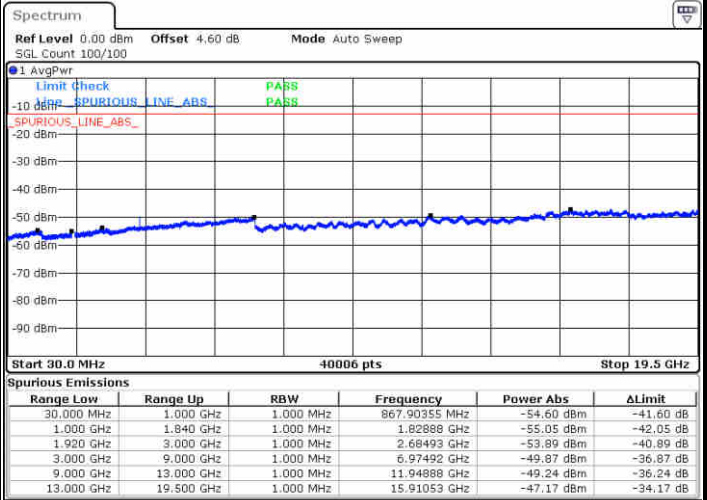
LTE Band 2 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

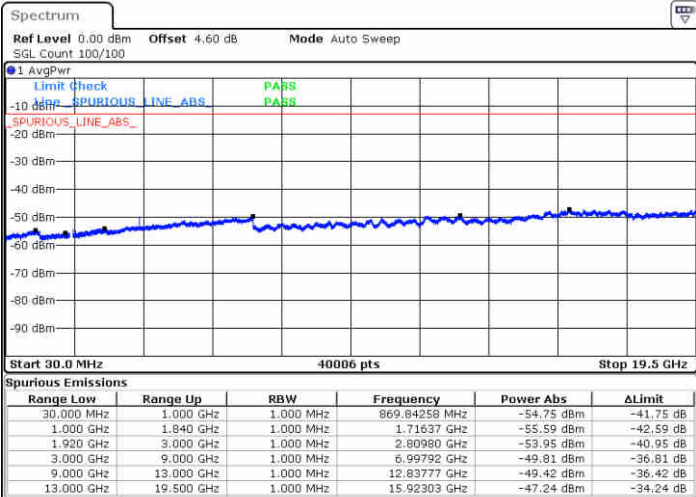


Date: 8. JAN 2020 12:56:46

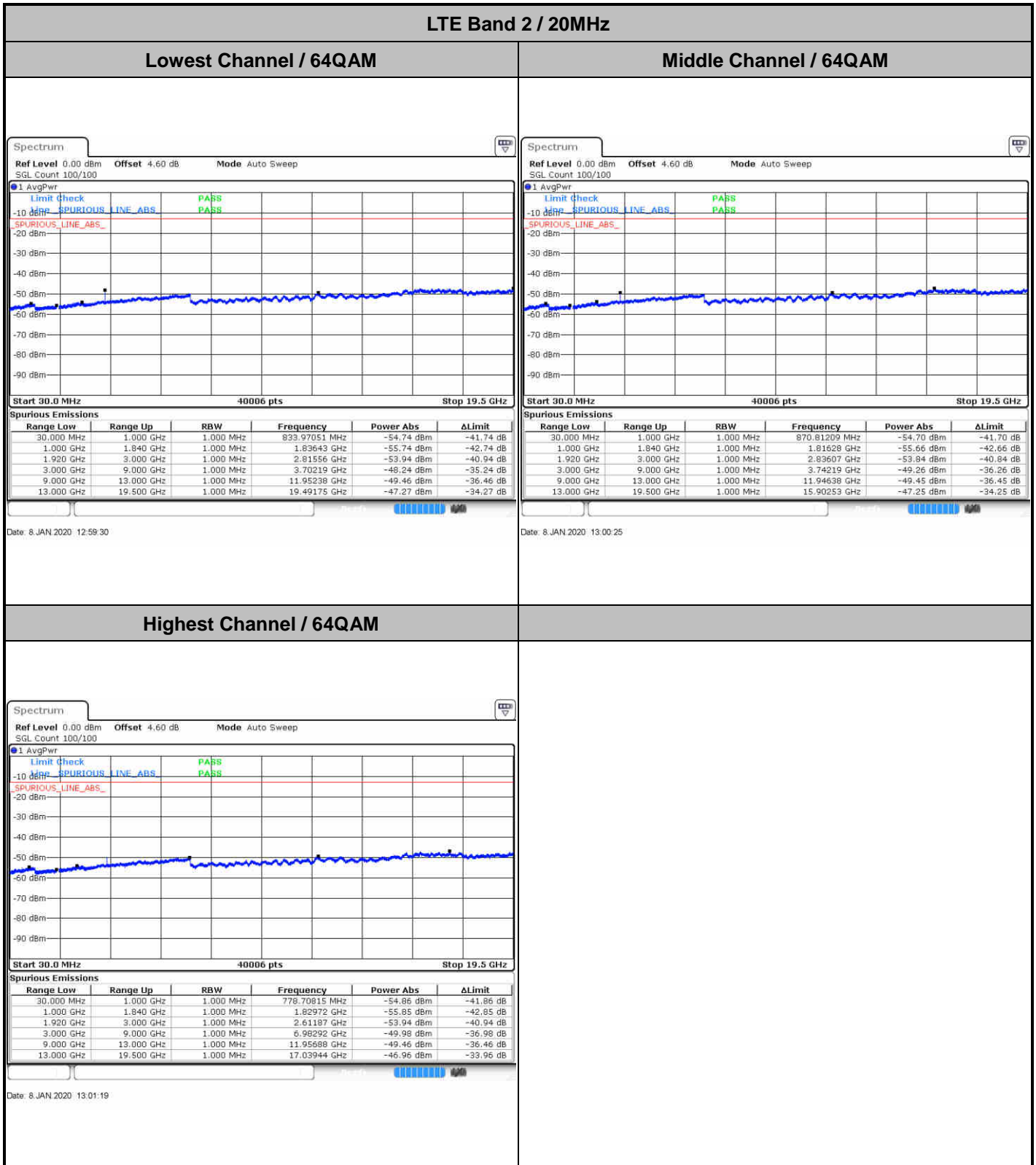


Date: 8. JAN 2020 12:57:41

Highest Channel / 64QAM



Date: 8. JAN 2020 12:58:35





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	0.0014	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0047	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =12 V. ; Battery End Point (BEP) =4.5 V. ; Maximum Voltage =14 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 5

## Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.65	4.72	5.45	5.94	<b>PASS</b>
Middle CH	3.62	4.55	5.48	5.94	
Highest CH	3.59	4.75	5.54	6.06	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	6.29	6.52	<b>PASS</b>		
Middle CH	6.70	6.26			
Highest CH	6.43	6.43			