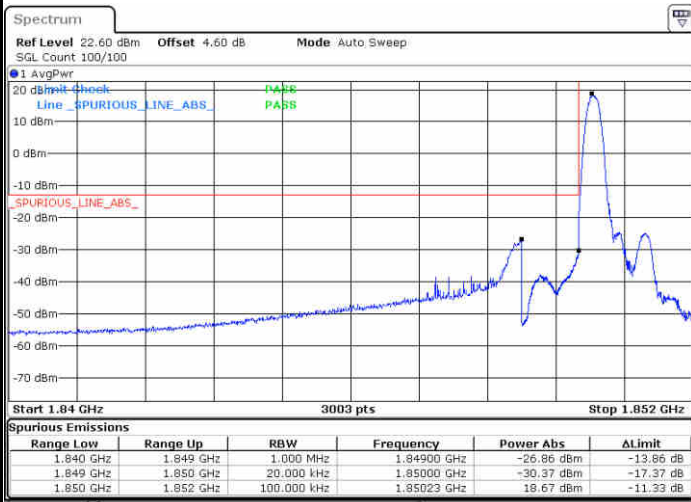




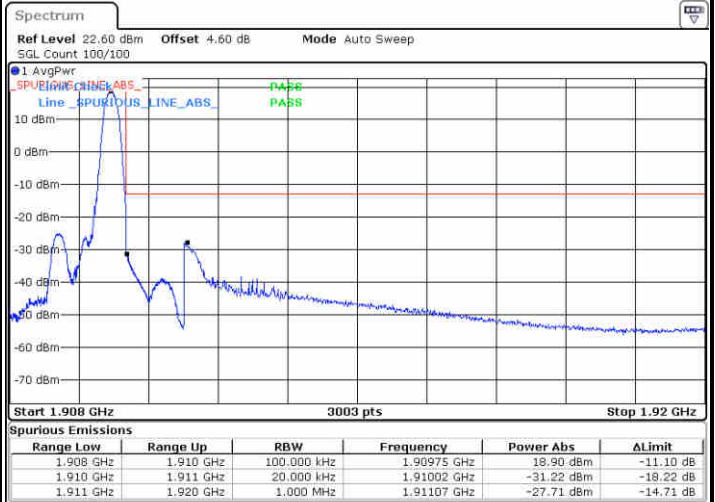
LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



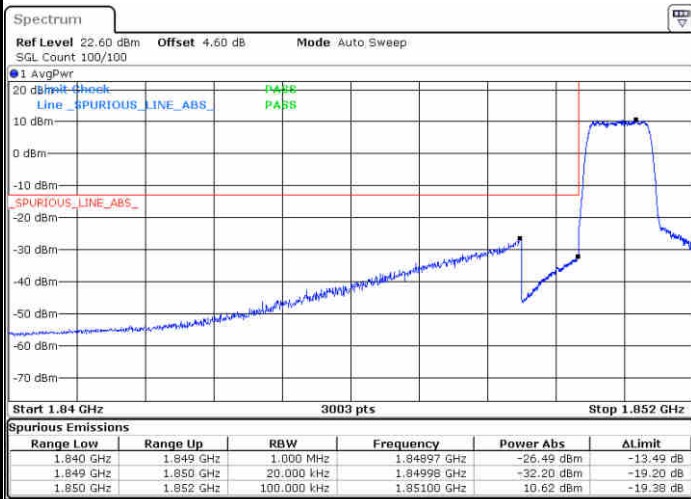
Date: 8 JAN 2020 12:19:08

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

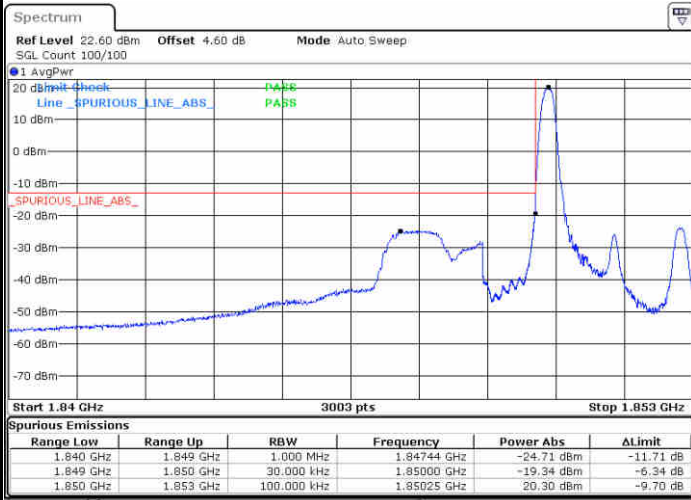


Date: 8 JAN 2020 12:22:31



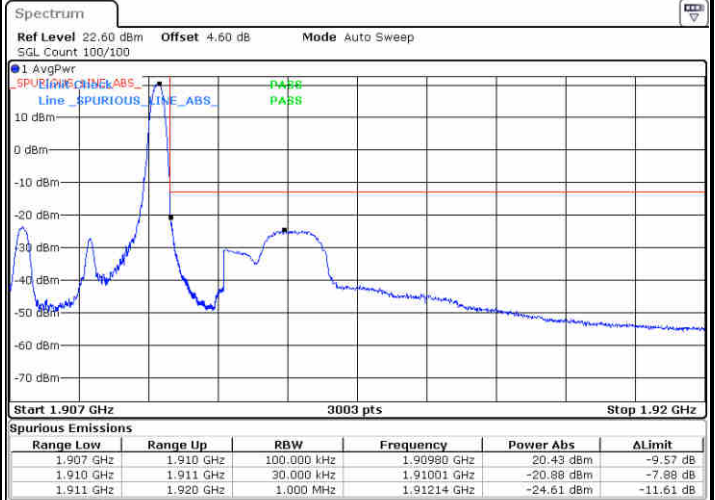
LTE Band 2 / 3MHz / QPSK

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

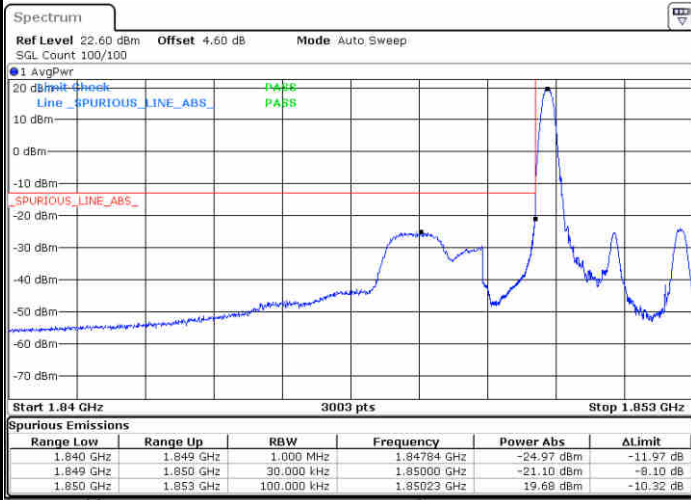


Date: 8 JAN 2020 10:36:58



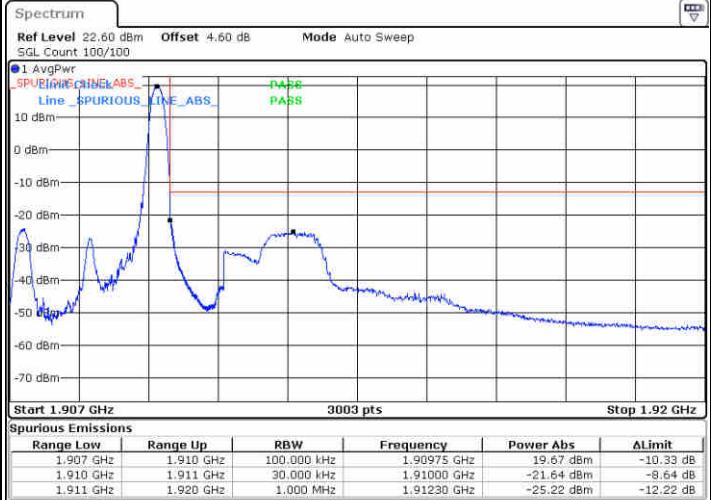
LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 8 JAN 2020 10:26:23

Highest Band Edge / 1 RB



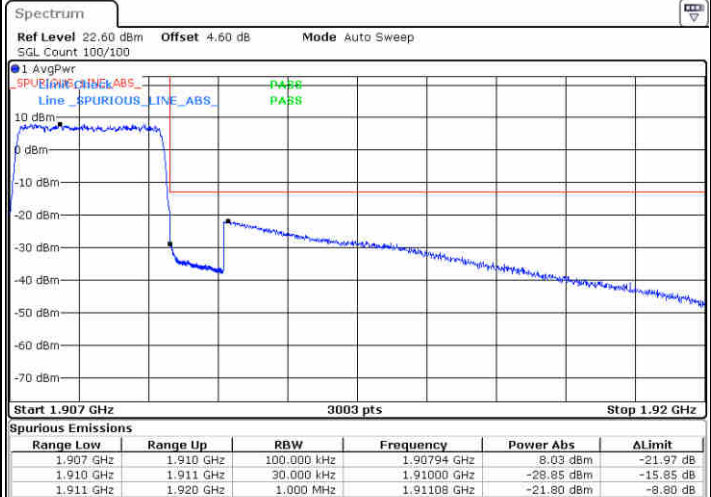
Date: 8 JAN 2020 10:35:51

Lowest Band Edge / Full RB



Date: 8 JAN 2020 10:28:38

Highest Band Edge / Full RB

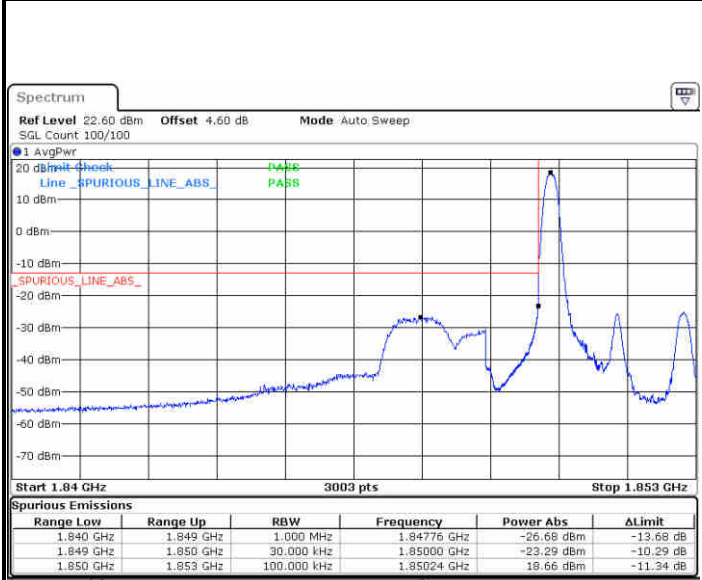


Date: 8 JAN 2020 10:38:05



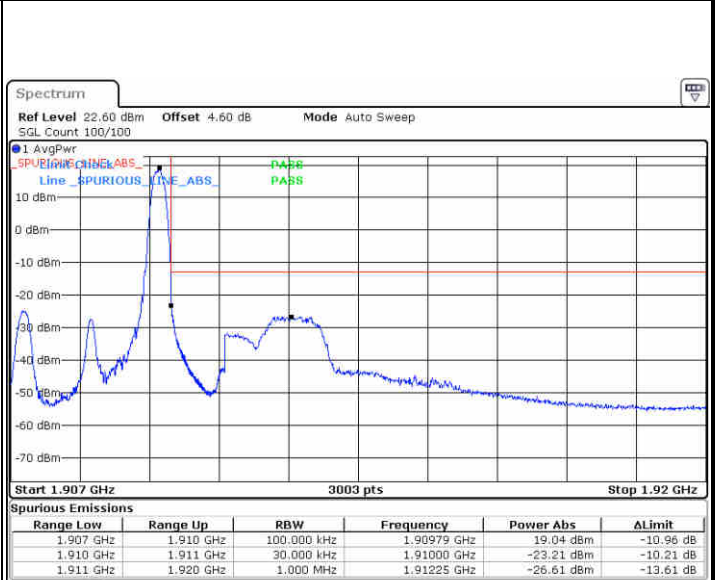
LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



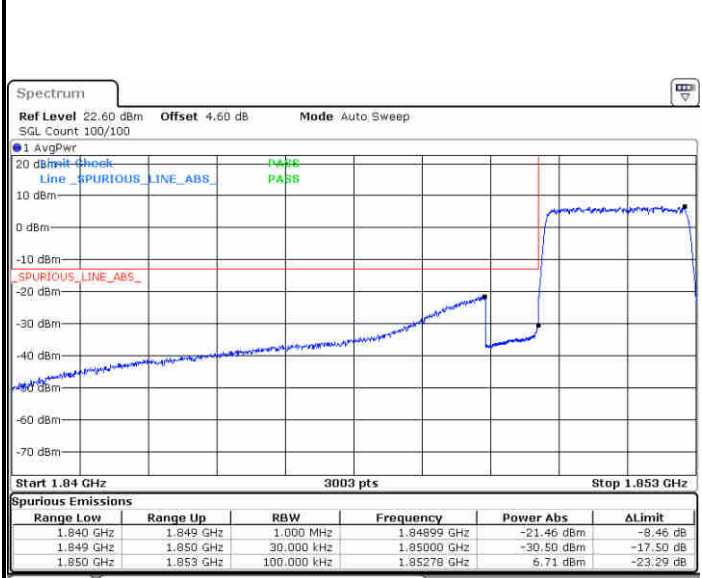
Date: 8 JAN 2020 12:23:38

Highest Band Edge / 1 RB



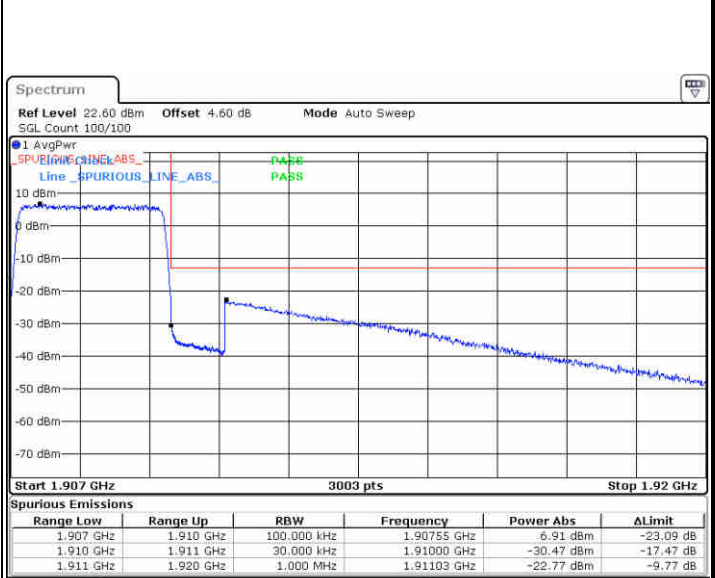
Date: 8 JAN 2020 12:27:00

Lowest Band Edge / Full RB



Date: 8 JAN 2020 12:24:45

Highest Band Edge / Full RB

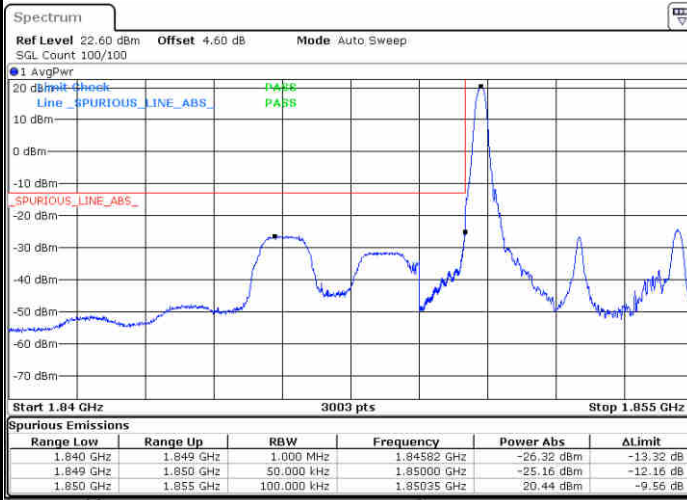


Date: 8 JAN 2020 12:25:53



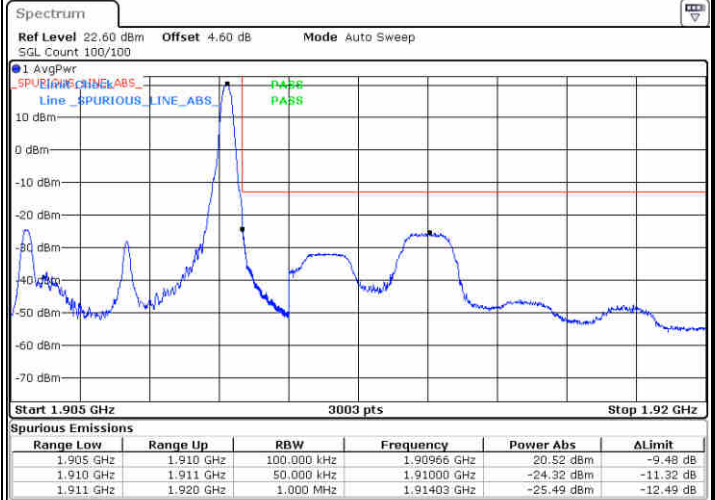
LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB



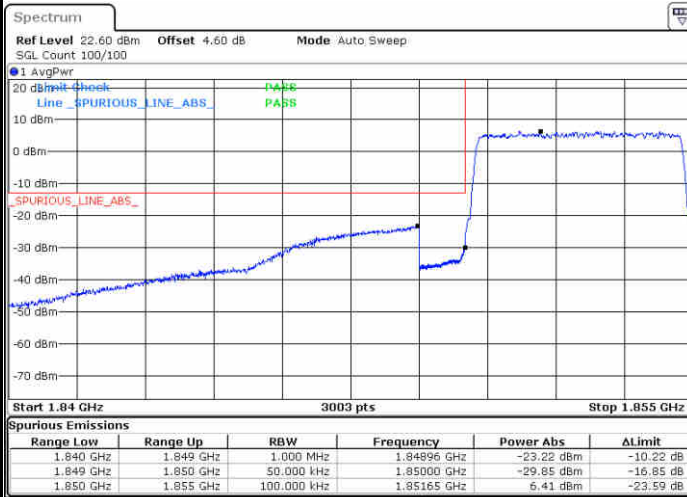
Date: 8 JAN 2020 10:41:42

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

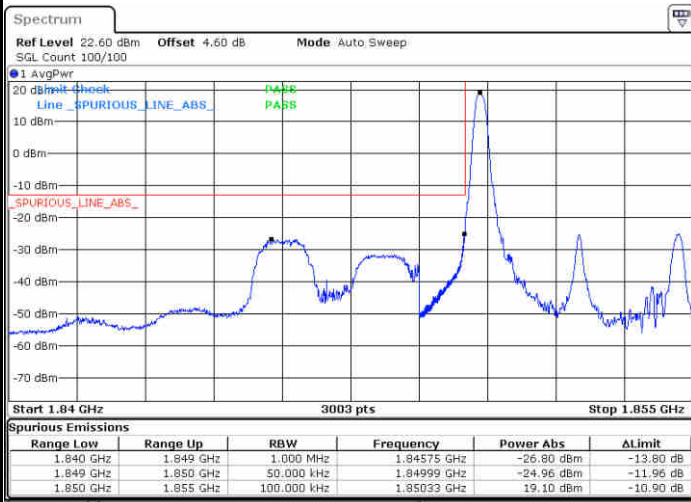


Date: 8 JAN 2020 10:53:25



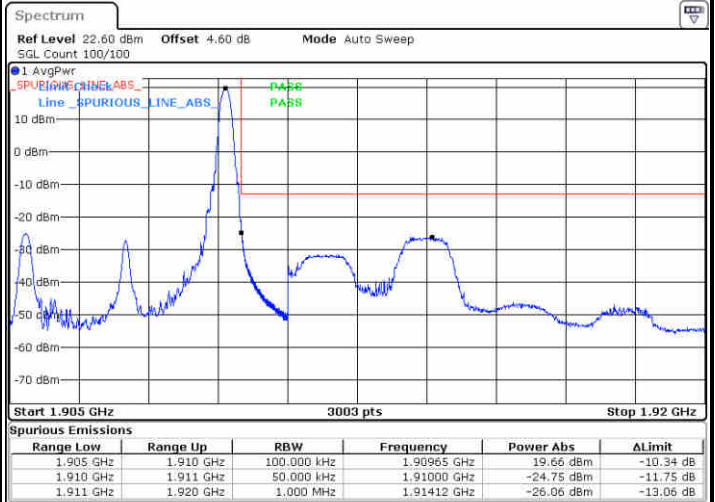
LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



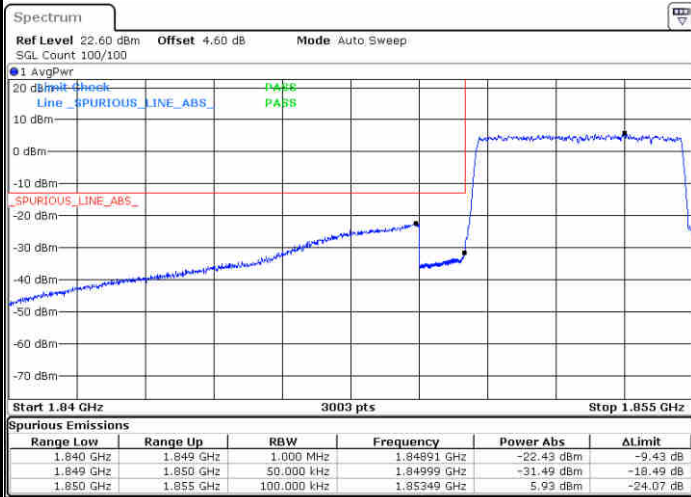
Date: 8 JAN 2020 10:42:49

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

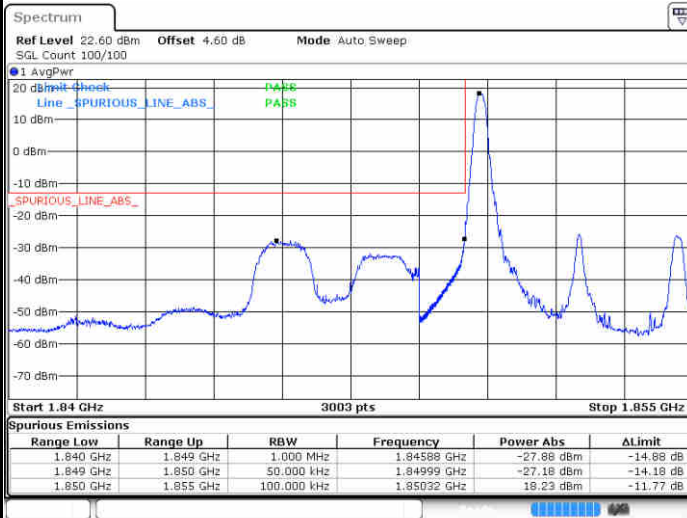


Date: 8 JAN 2020 10:54:32



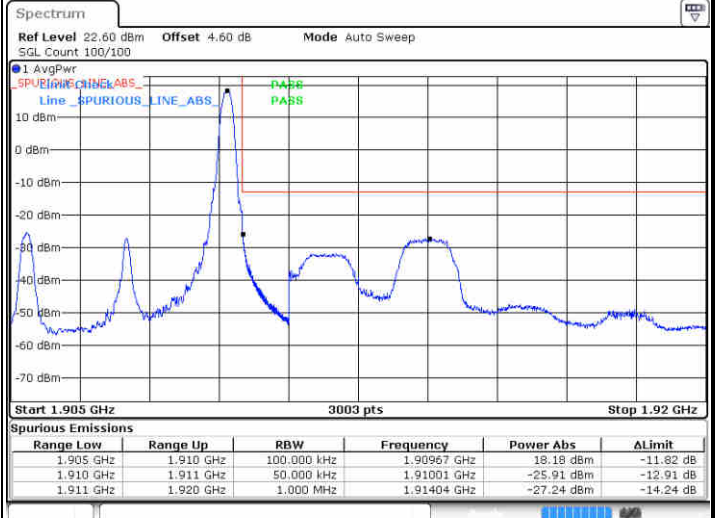
LTE Band 2 / 5MHz / 64QAM

Lowest Band Edge / 1RB



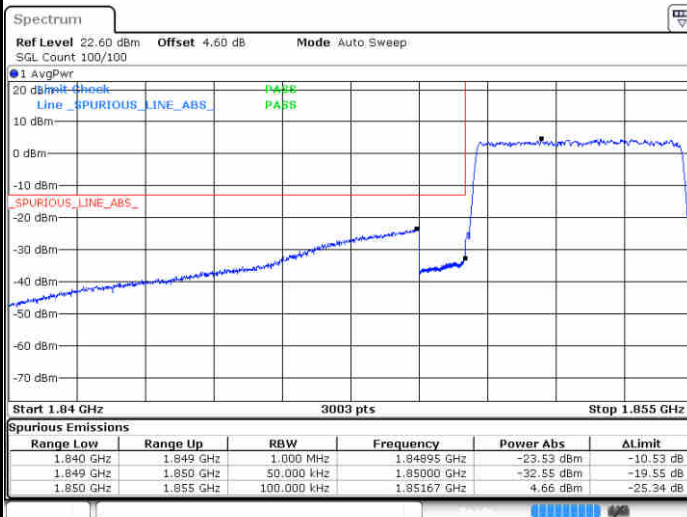
Date: 8 JAN 2020 12:28:07

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

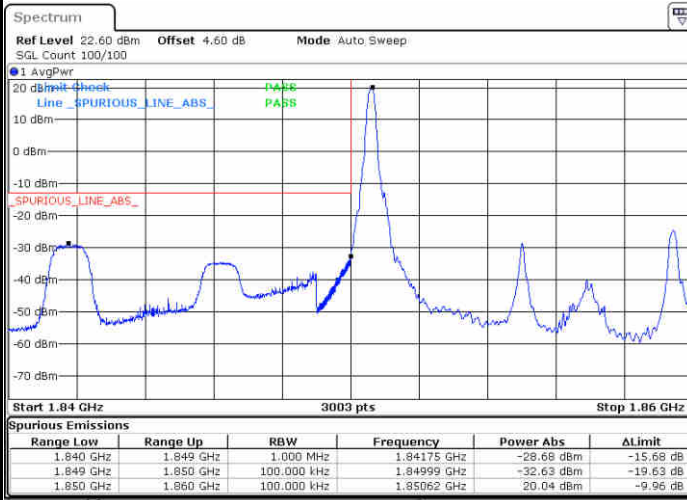


Date: 8 JAN 2020 12:30:22



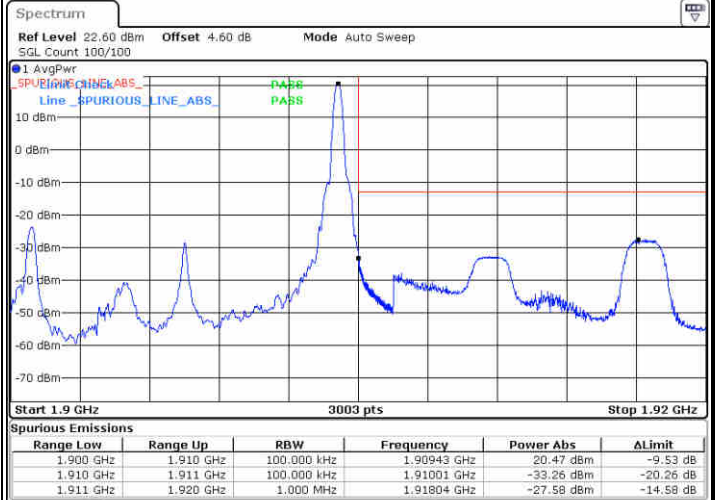
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



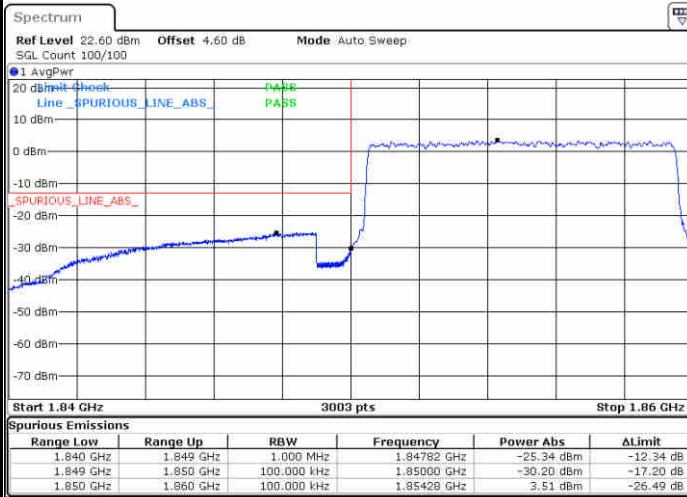
Date: 8 JAN 2020 10:58:08

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

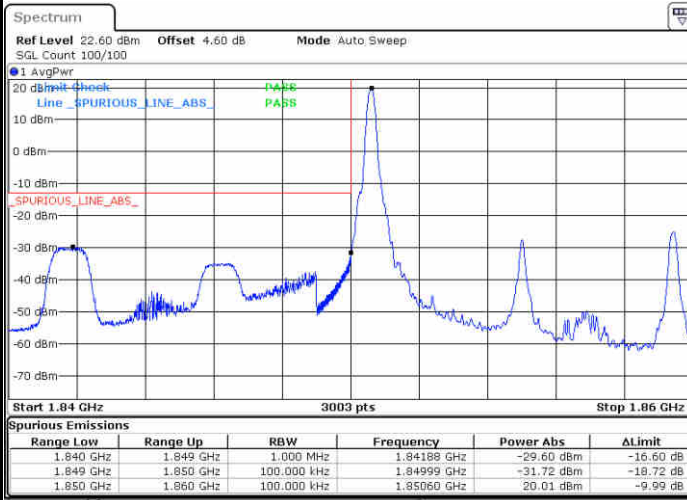


Date: 8 JAN 2020 11:09:51



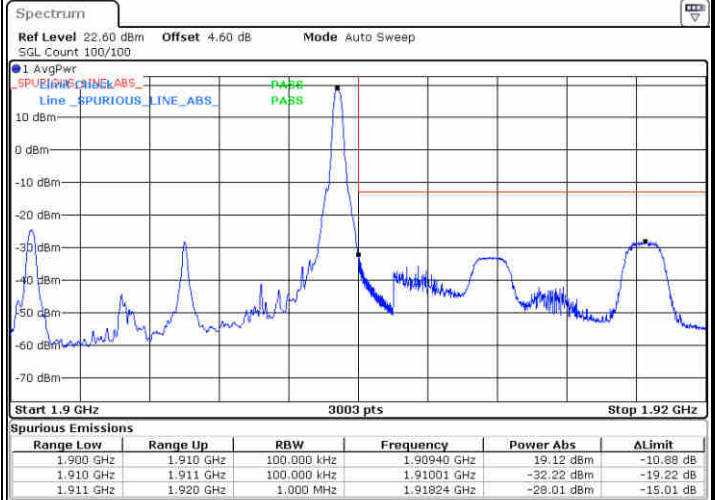
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



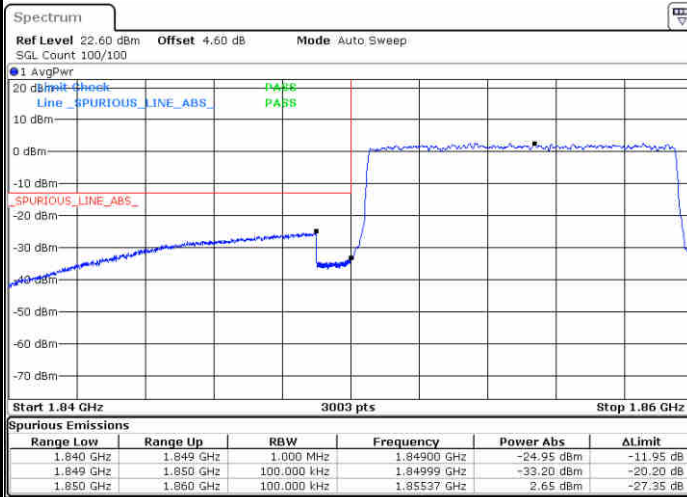
Date: 8 JAN 2020 10:59:16

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

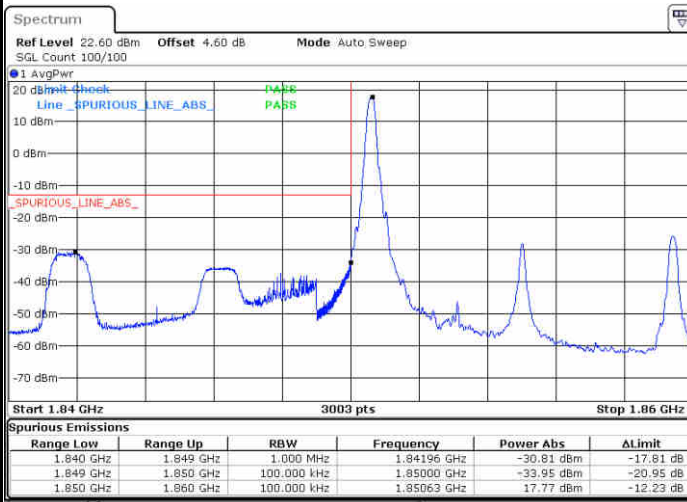


Date: 8 JAN 2020 11:10:58



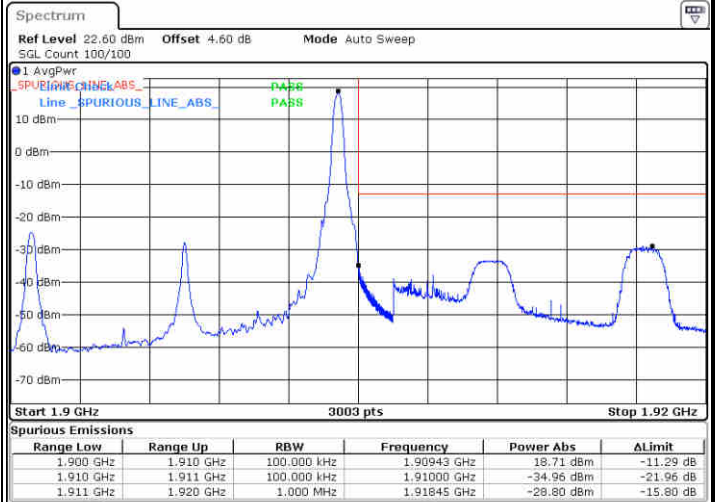
LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



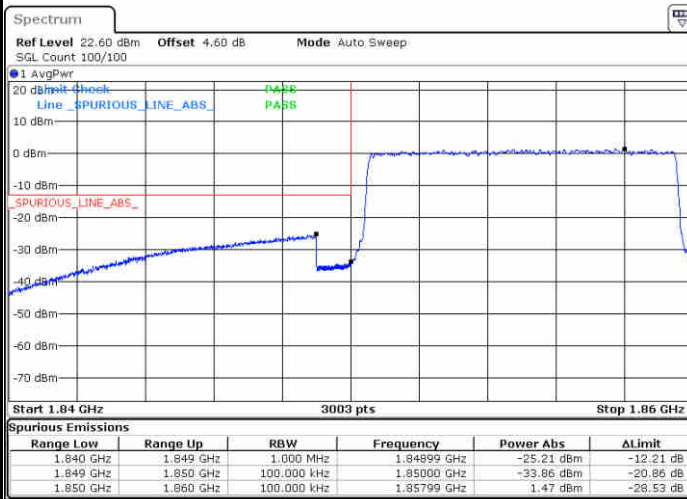
Date: 8 JAN 2020 12:32:37

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

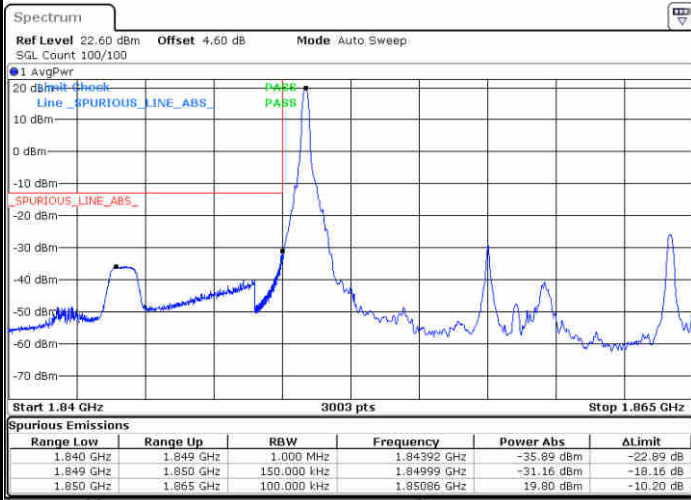


Date: 8 JAN 2020 12:34:52



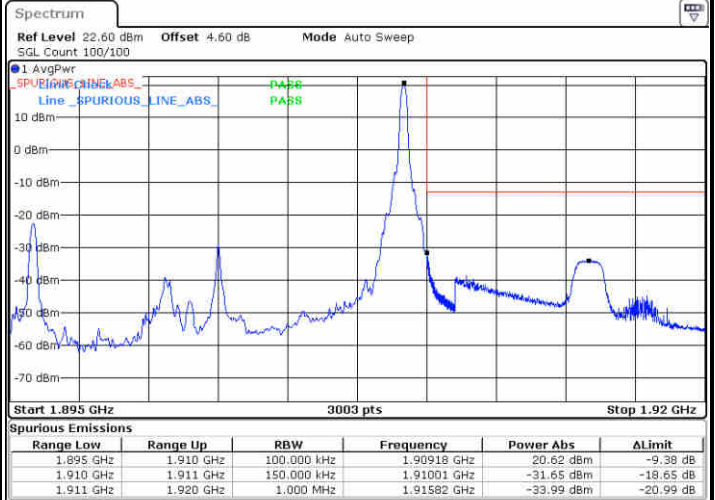
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



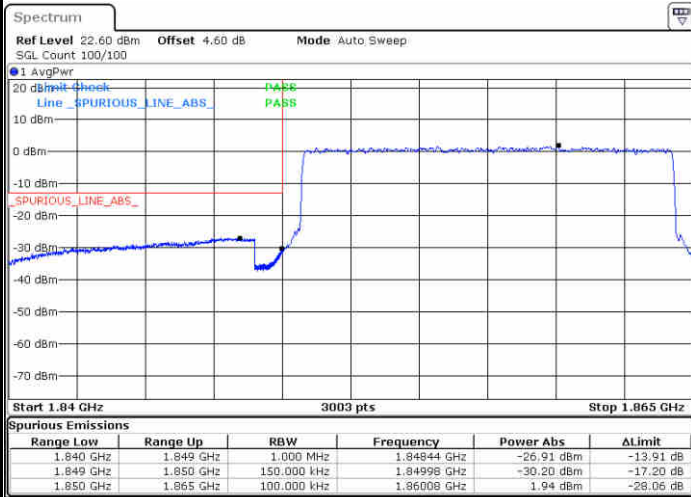
Date: 8 JAN 2020 11:14:34

Highest Band Edge / 1 RB



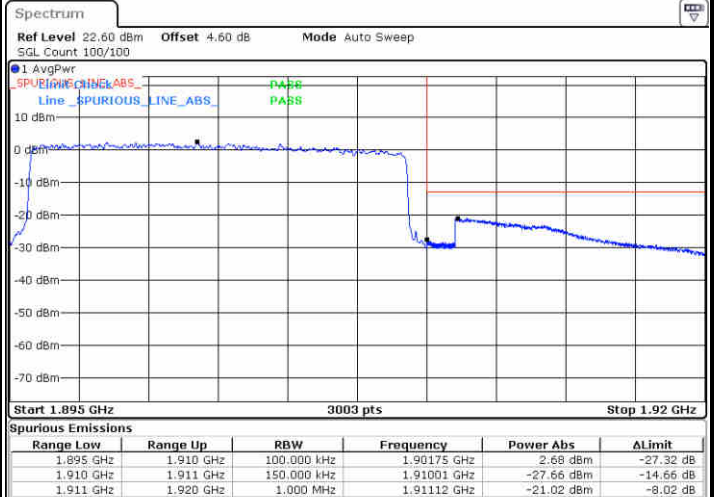
Date: 8 JAN 2020 11:47:00

Lowest Band Edge / Full RB



Date: 8 JAN 2020 11:16:49

Highest Band Edge / Full RB

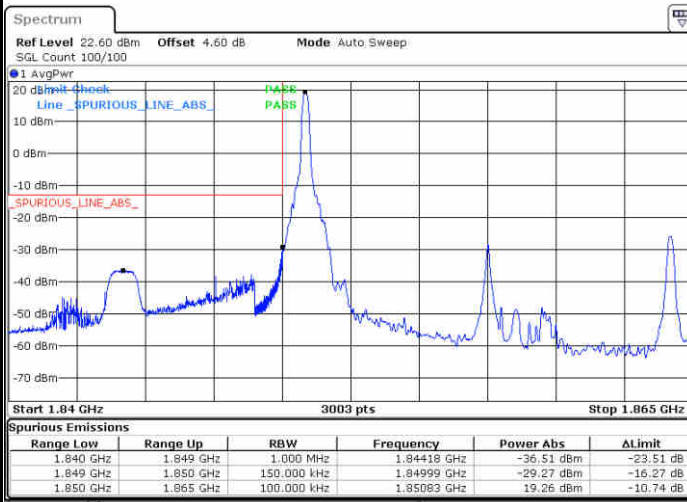


Date: 8 JAN 2020 11:49:15



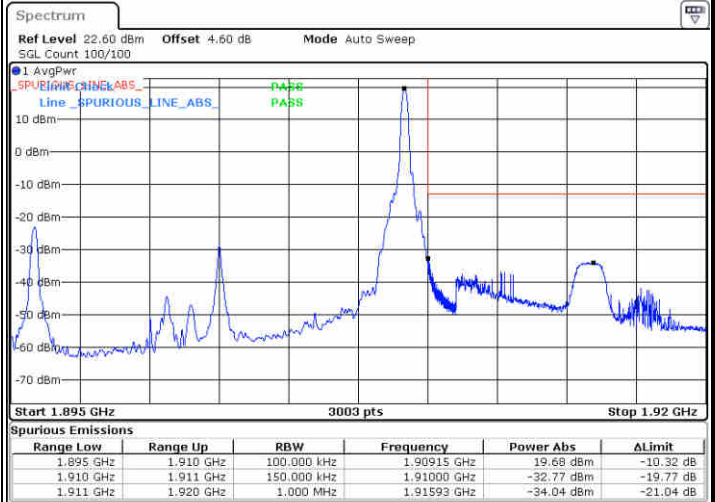
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



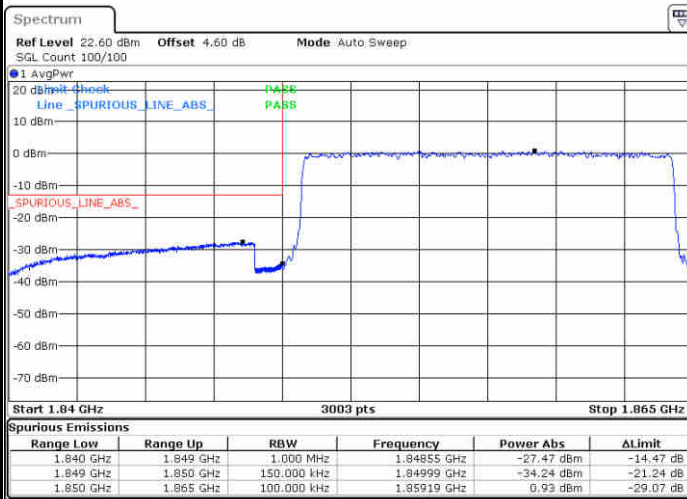
Date: 8 JAN 2020 11:15:42

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

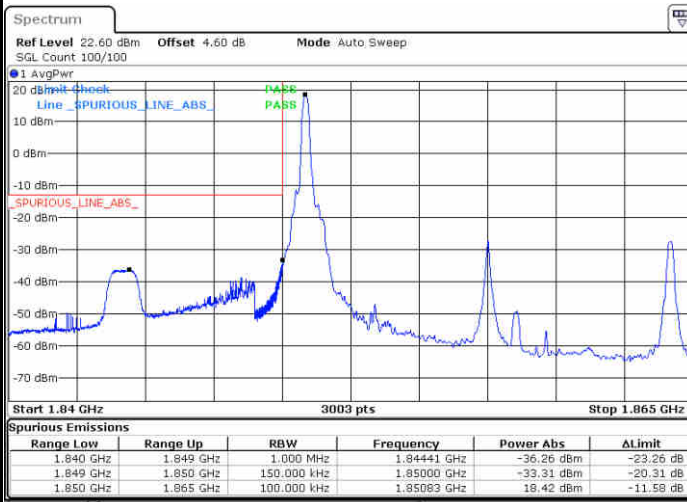


Date: 8 JAN 2020 11:50:22



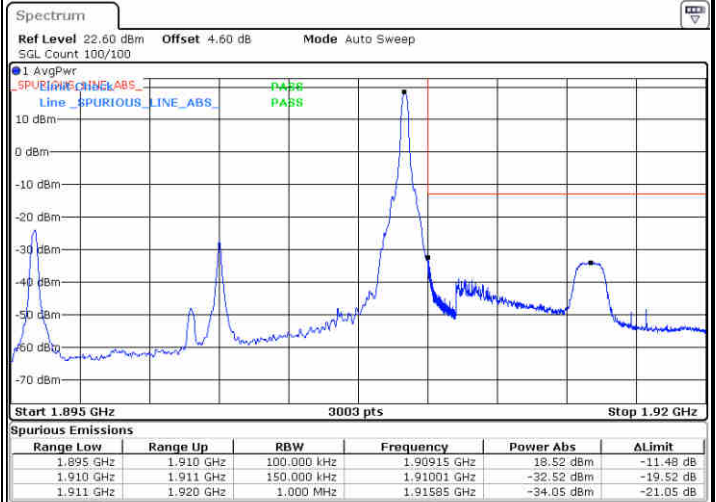
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



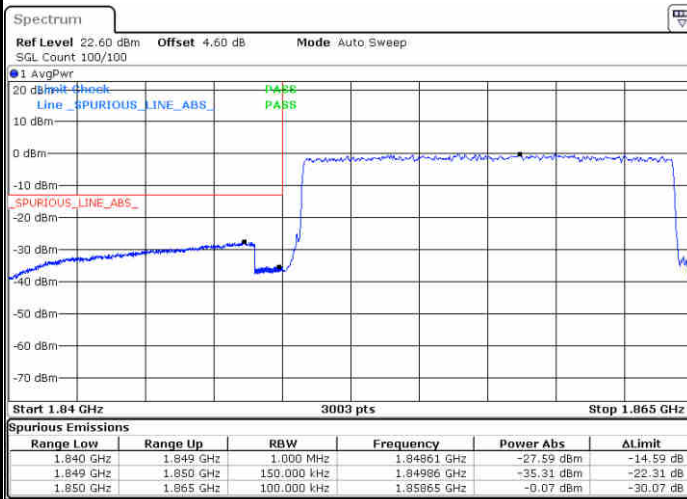
Date: 8 JAN 2020 12:37:06

Highest Band Edge / 1 RB



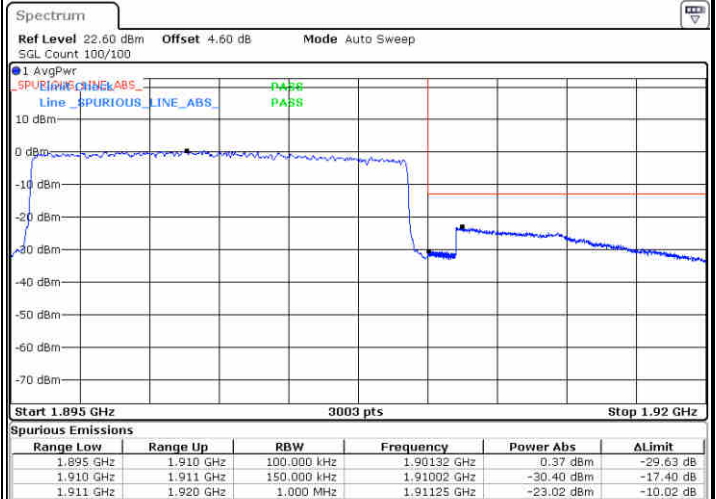
Date: 8 JAN 2020 12:40:29

Lowest Band Edge / Full RB



Date: 8 JAN 2020 12:38:14

Highest Band Edge / Full RB

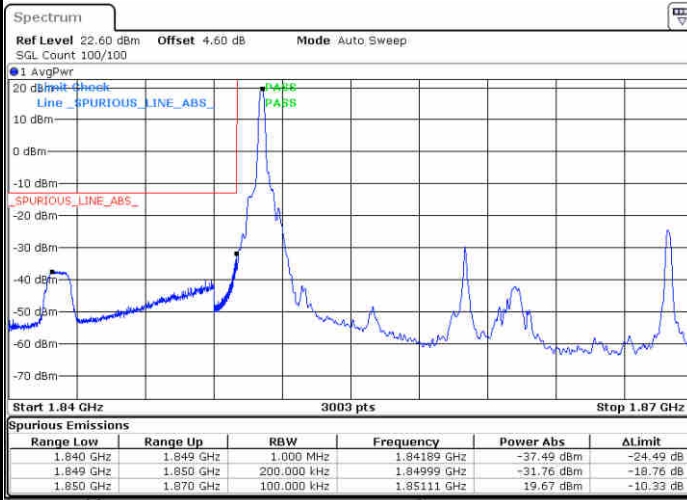


Date: 8 JAN 2020 12:39:21



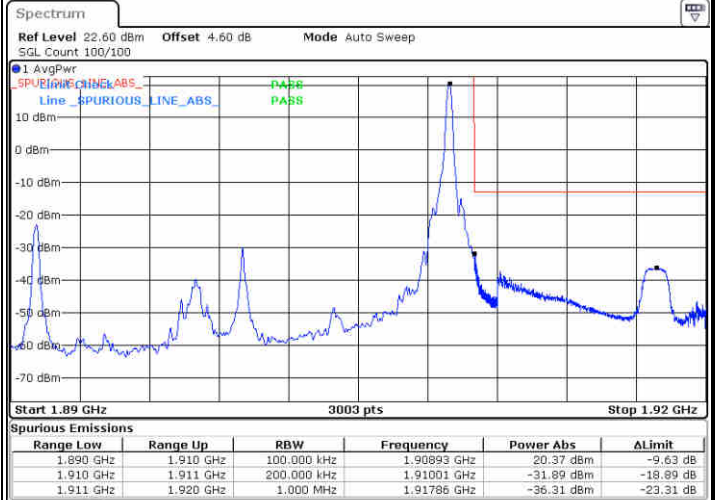
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



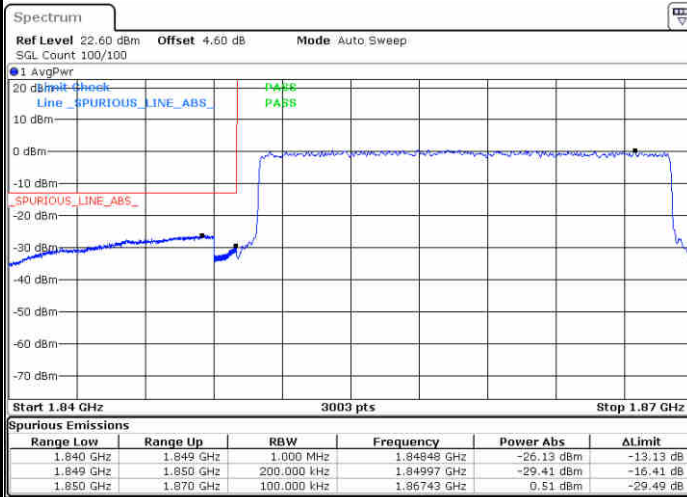
Date: 8 JAN 2020 11:53:58

Highest Band Edge / 1 RB



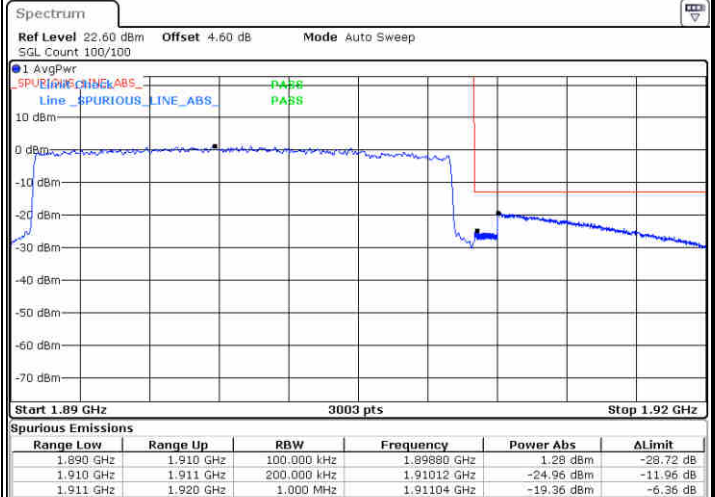
Date: 8 JAN 2020 12:03:26

Lowest Band Edge / Full RB



Date: 8 JAN 2020 11:56:13

Highest Band Edge / Full RB

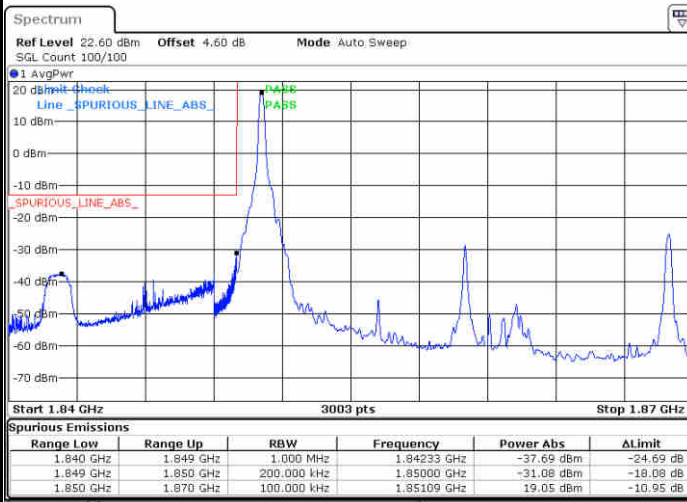


Date: 8 JAN 2020 12:05:41



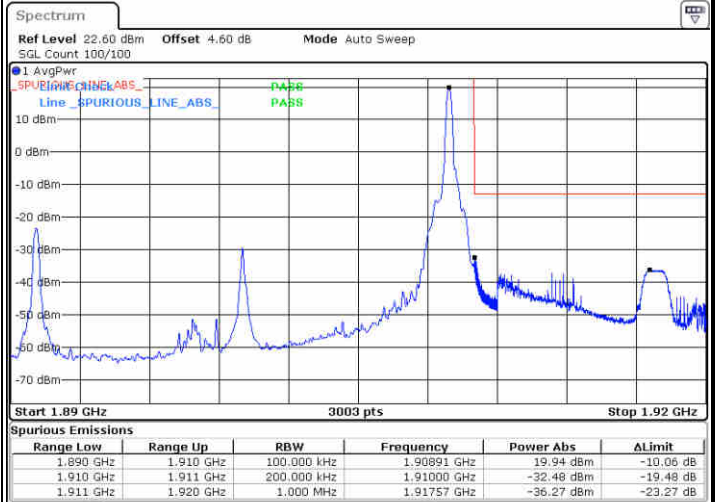
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



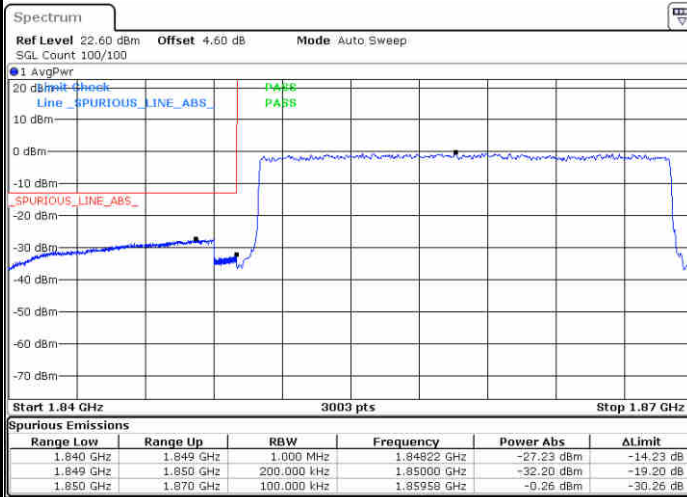
Date: 8 JAN 2020 11:55:06

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

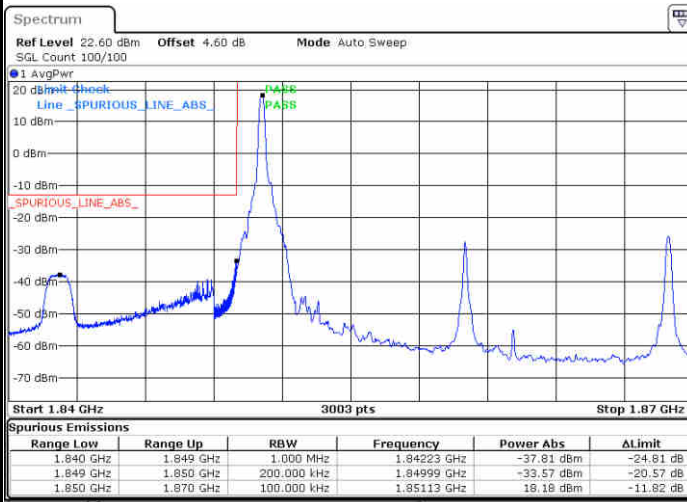


Date: 8 JAN 2020 12:06:48



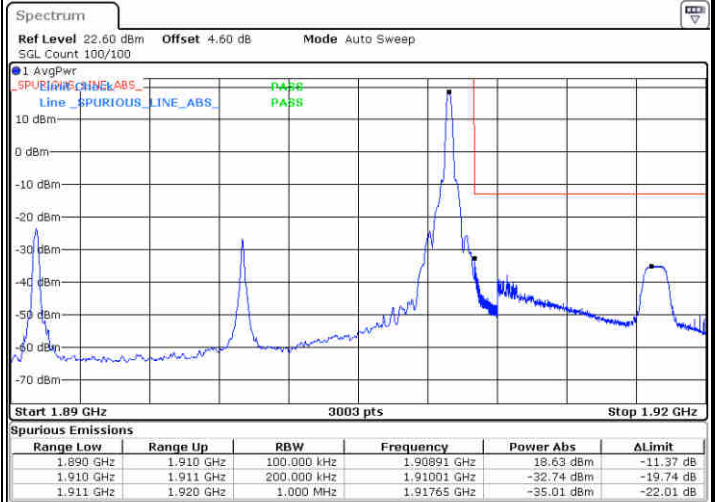
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



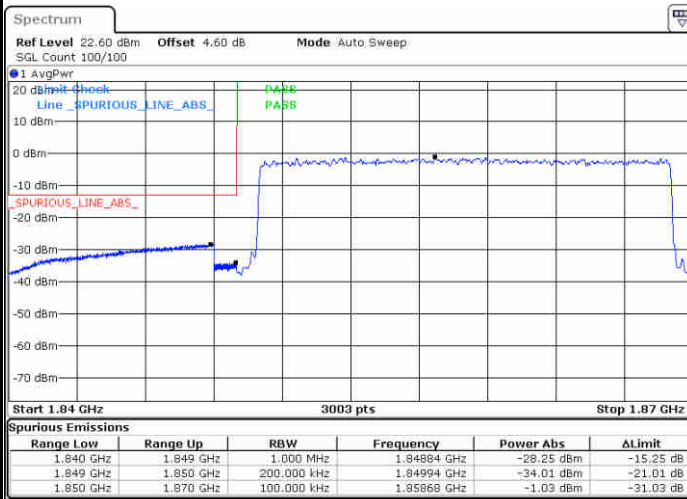
Date: 8 JAN 2020 12:41:36

Highest Band Edge / 1 RB



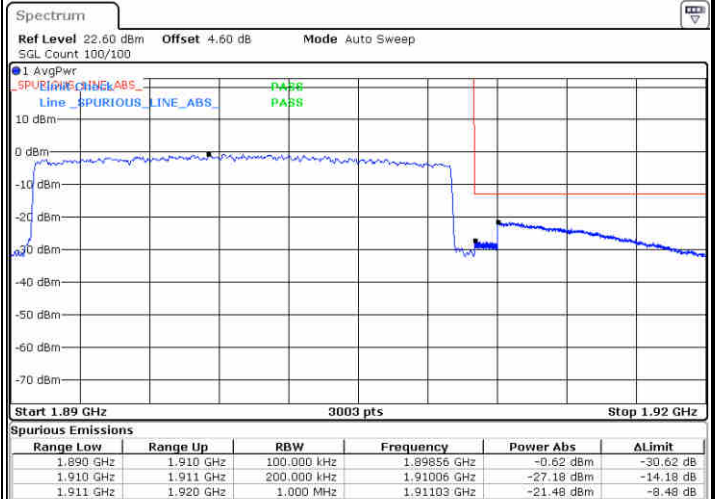
Date: 8 JAN 2020 12:44:58

Lowest Band Edge / Full RB



Date: 8 JAN 2020 12:42:43

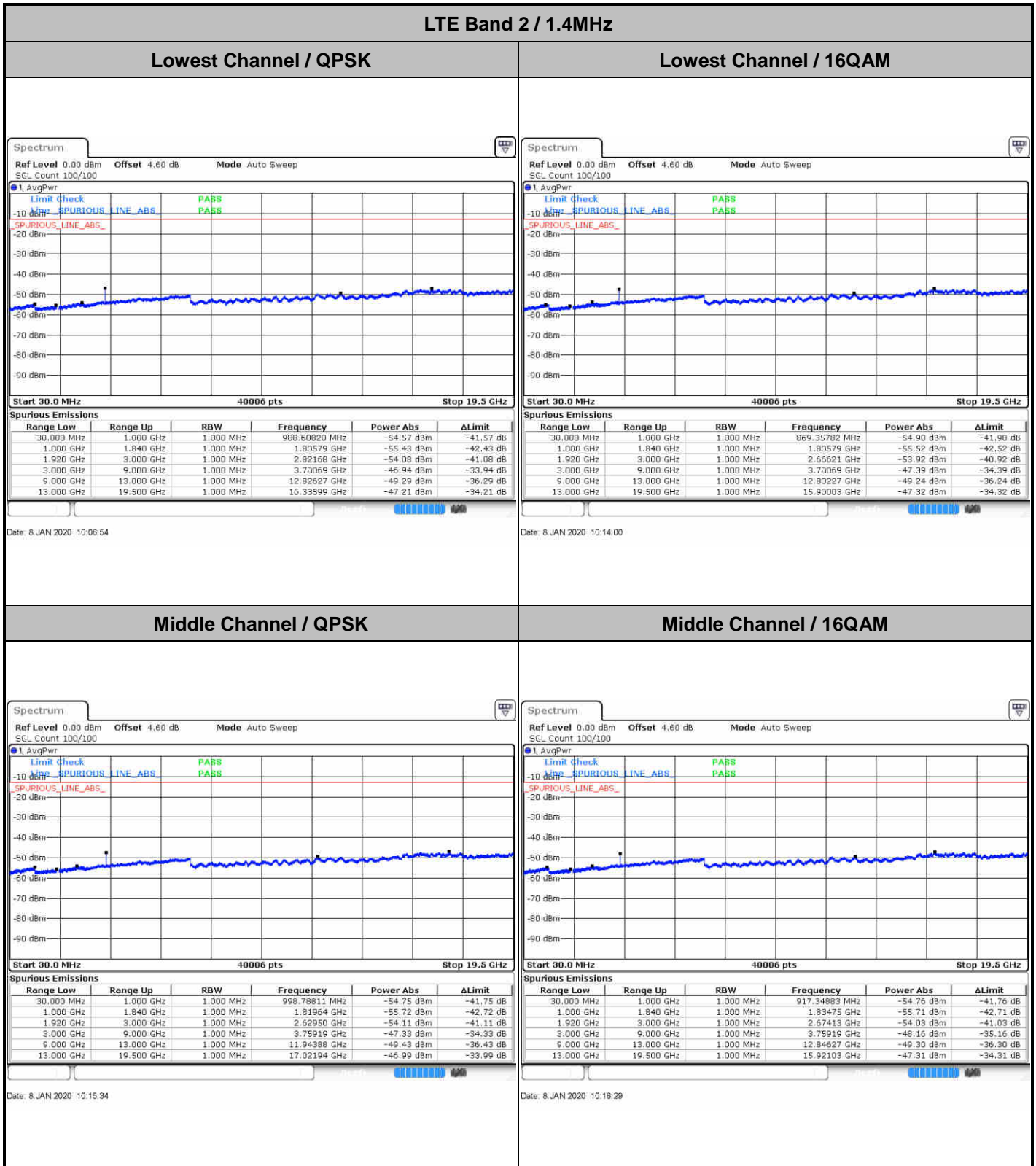
Highest Band Edge / Full RB



Date: 8 JAN 2020 12:43:51



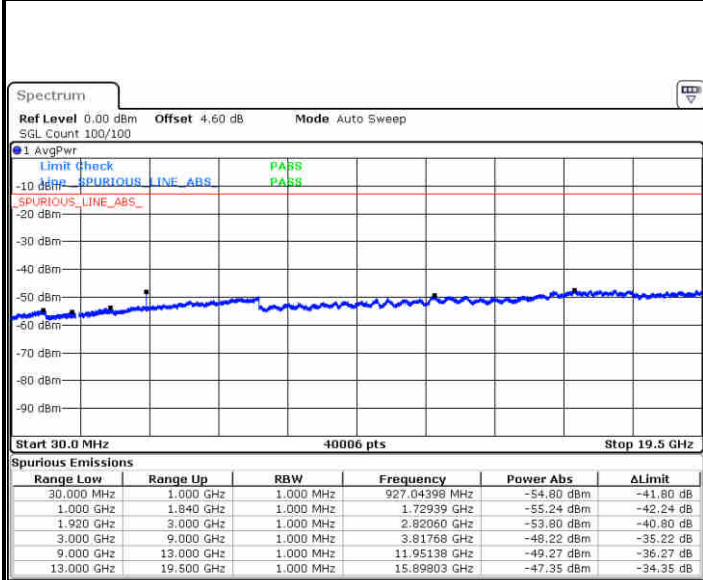
Conducted Spurious Emission





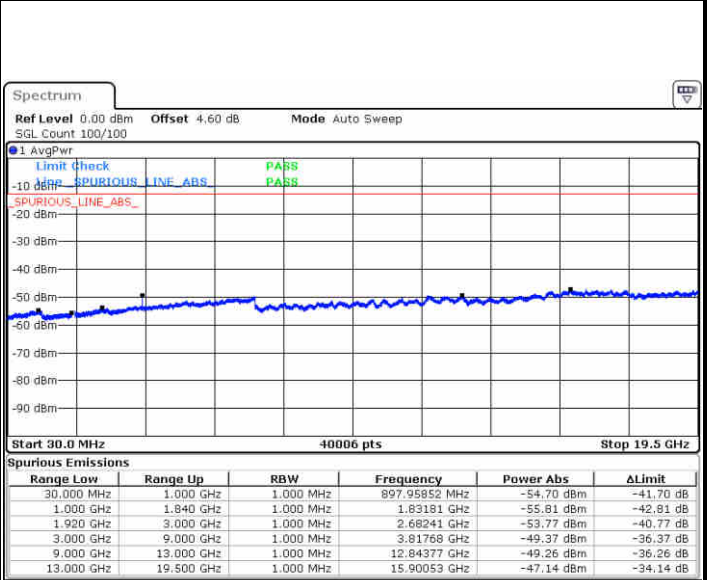
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 8 JAN 2020 10:22:33

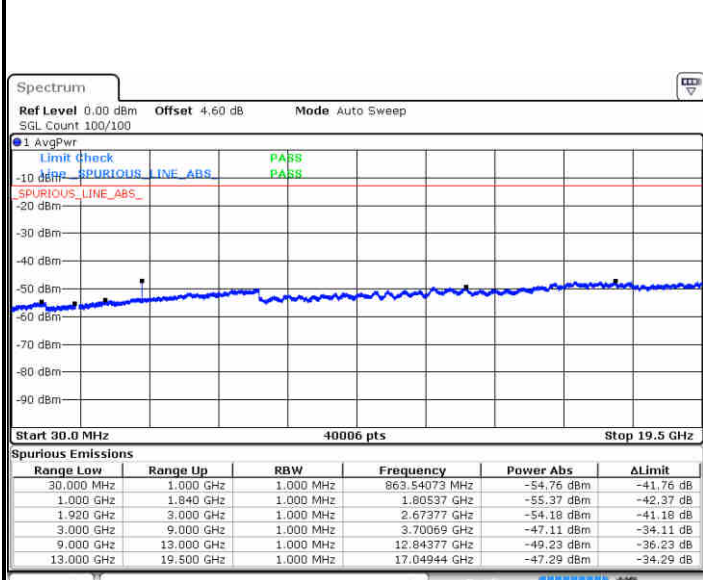
Highest Channel / 16QAM



Date: 8 JAN 2020 10:23:27

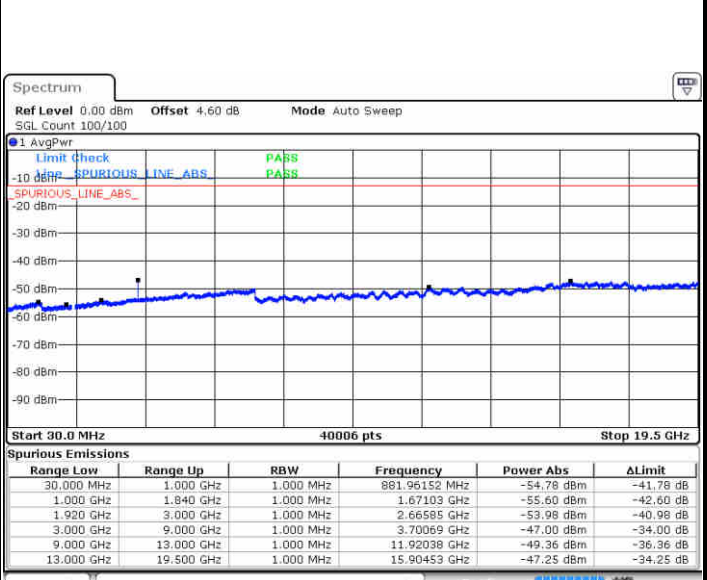
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 8 JAN 2020 10:29:31

Lowest Channel / 16QAM

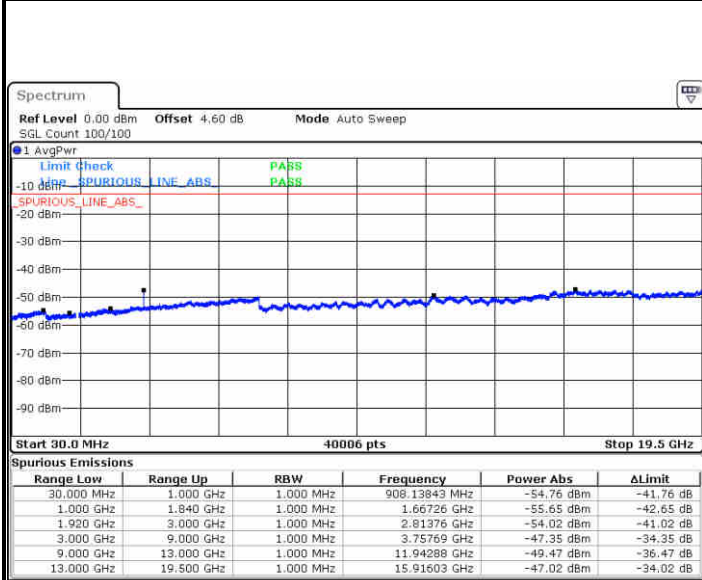


Date: 8 JAN 2020 10:30:26



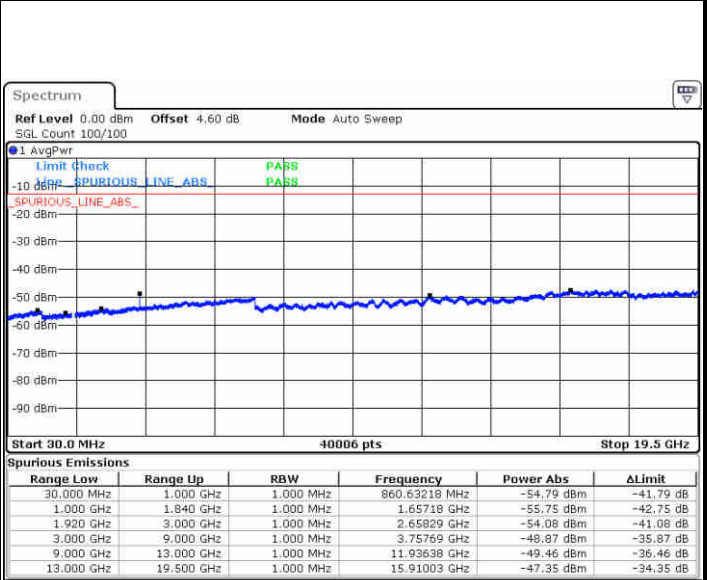
LTE Band 2 / 3MHz

Middle Channel / QPSK



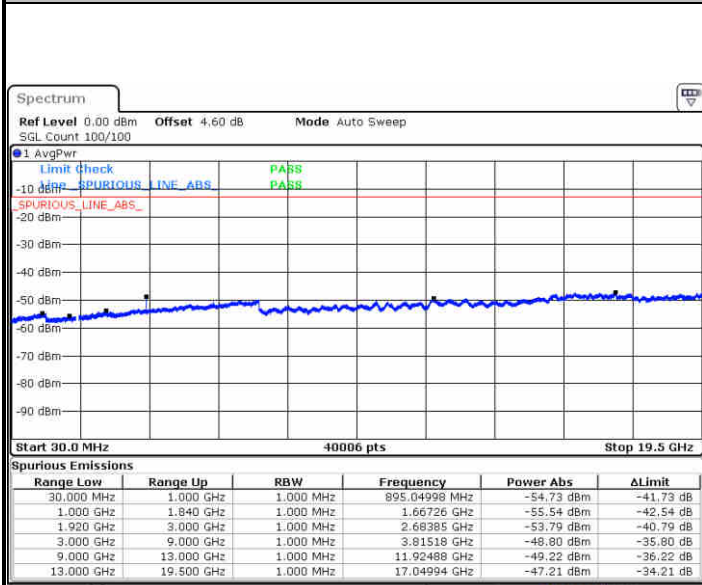
Date: 8. JAN 2020 10:32:00

Middle Channel / 16QAM



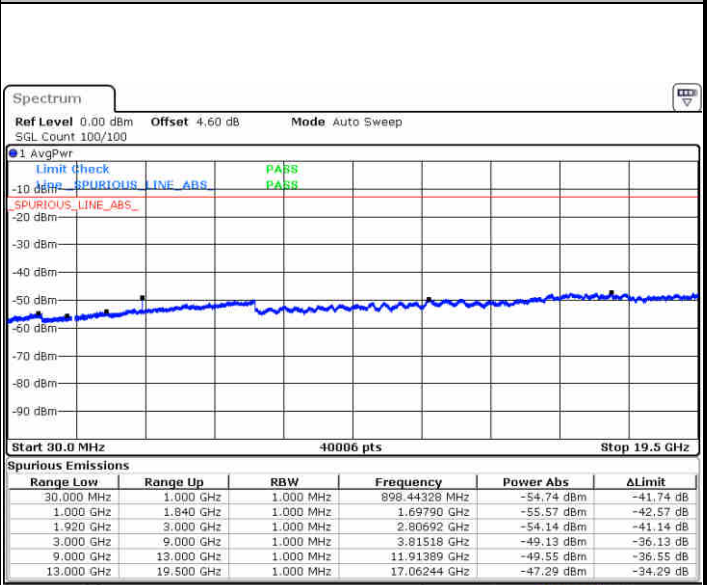
Date: 8. JAN 2020 10:32:55

Highest Channel / QPSK



Date: 8. JAN 2020 10:38:59

Highest Channel / 16QAM

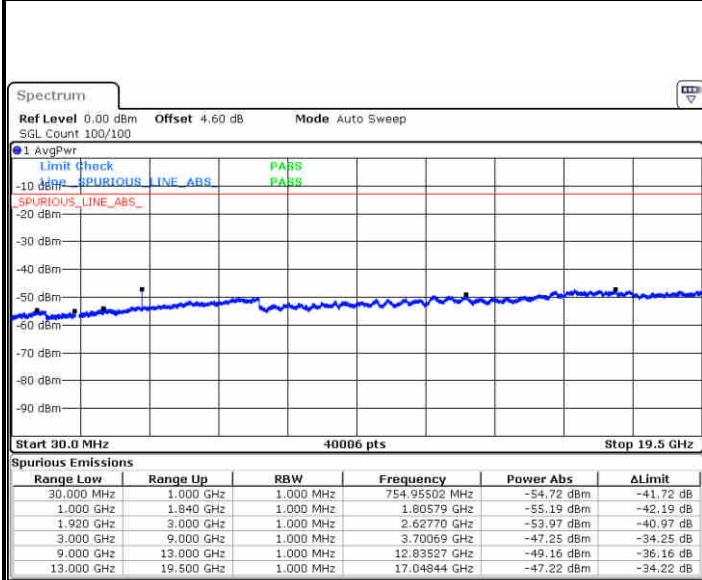


Date: 8. JAN 2020 10:39:53



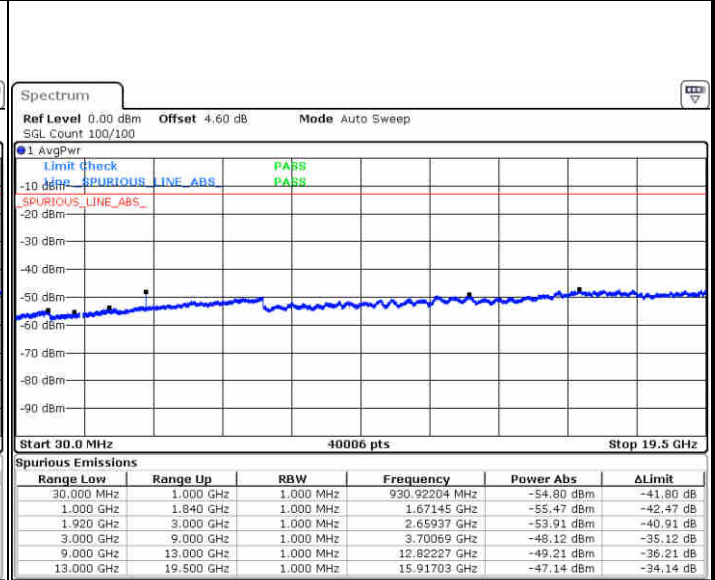
LTE Band 2 / 5MHz

Lowest Channel / QPSK



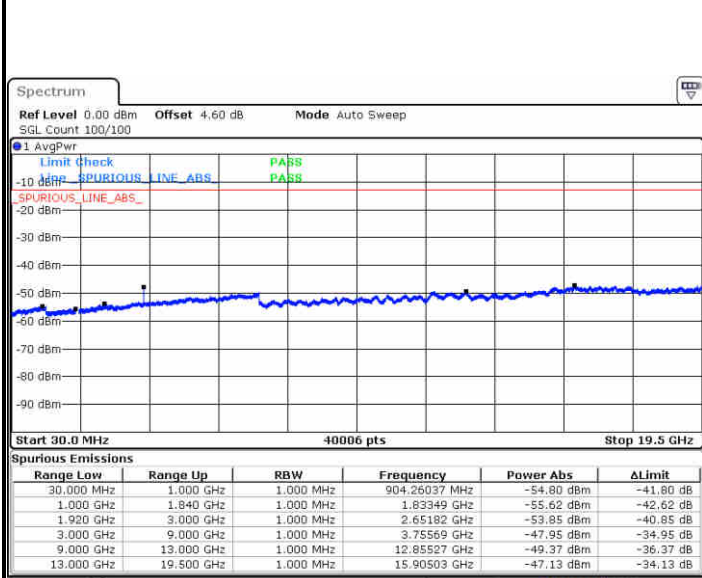
Date: 8. JAN 2020 10:45:58

Lowest Channel / 16QAM



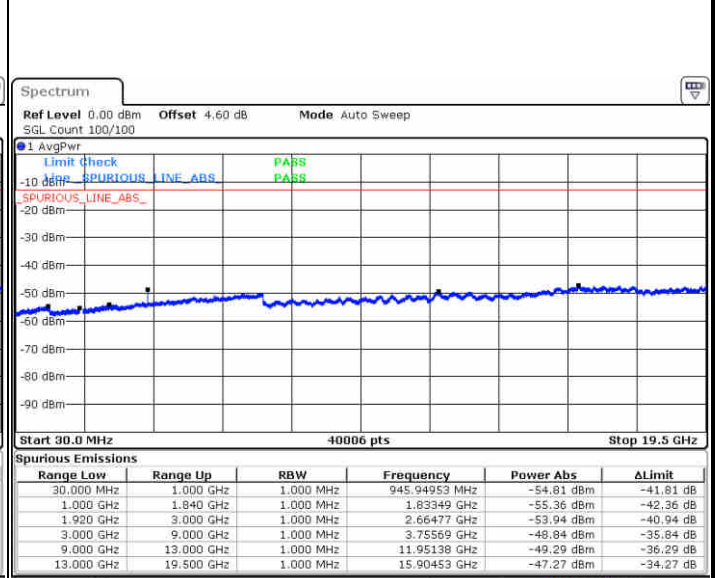
Date: 8. JAN 2020 10:46:52

Middle Channel / QPSK



Date: 8. JAN 2020 10:48:27

Middle Channel / 16QAM

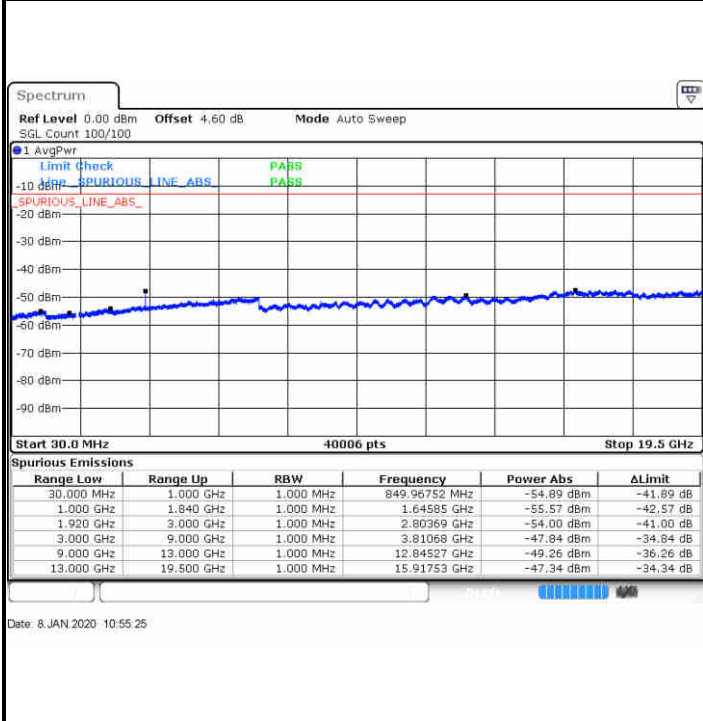


Date: 8. JAN 2020 10:49:21

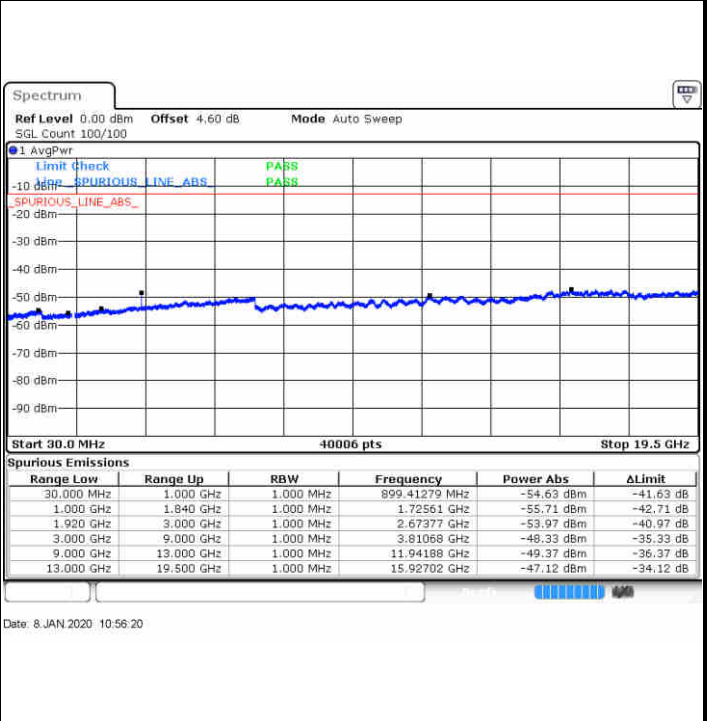


LTE Band 2 / 5MHz

Highest Channel / QPSK

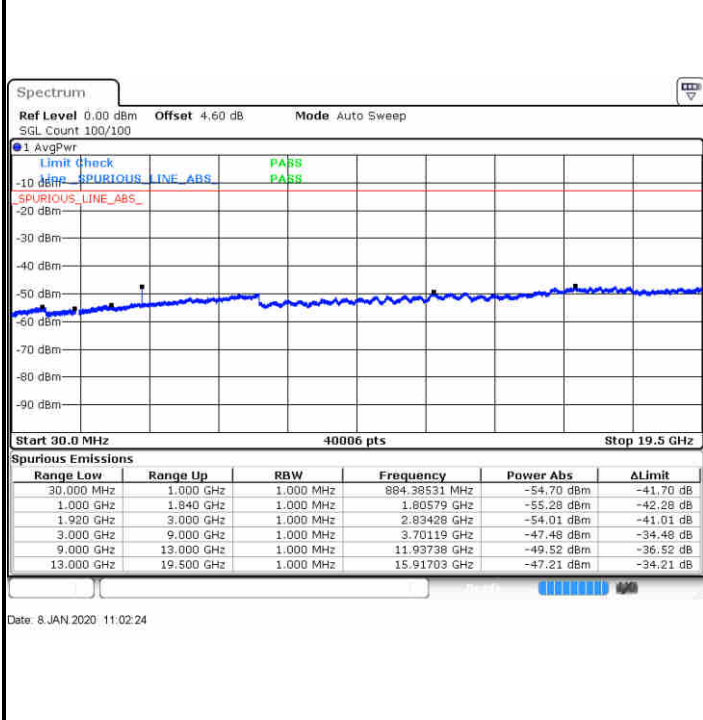


Highest Channel / 16QAM



LTE Band 2 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

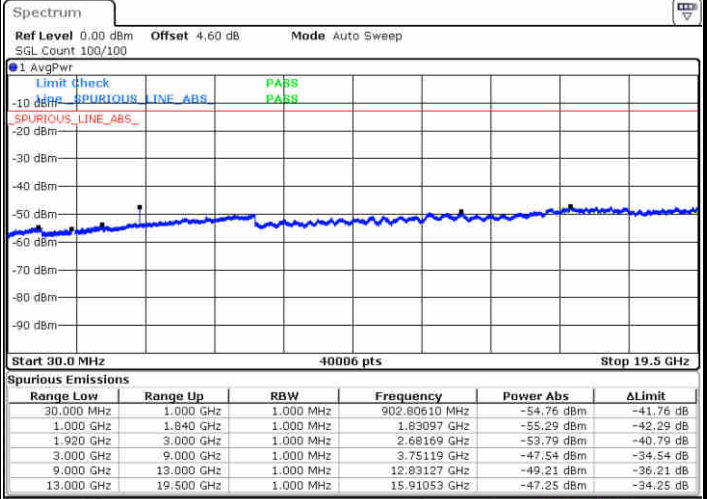
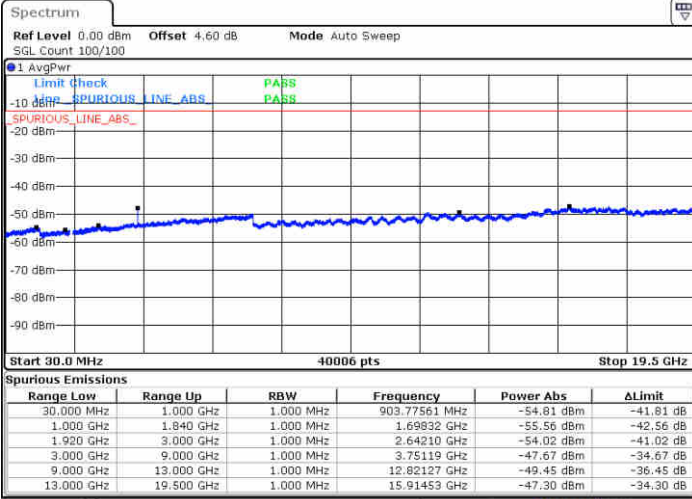




LTE Band 2 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

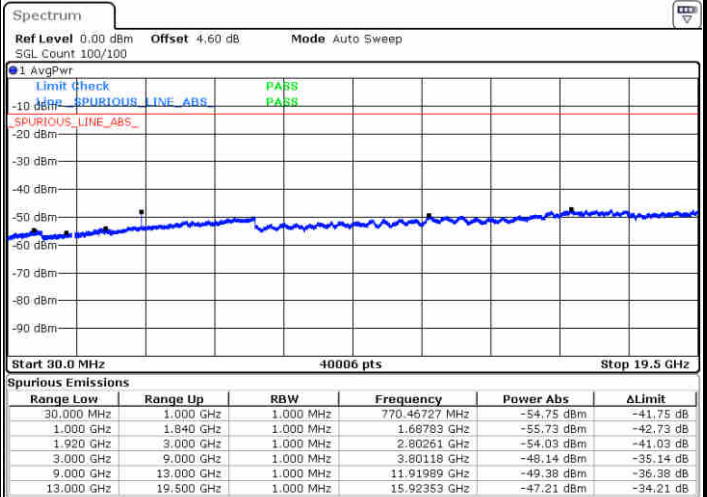
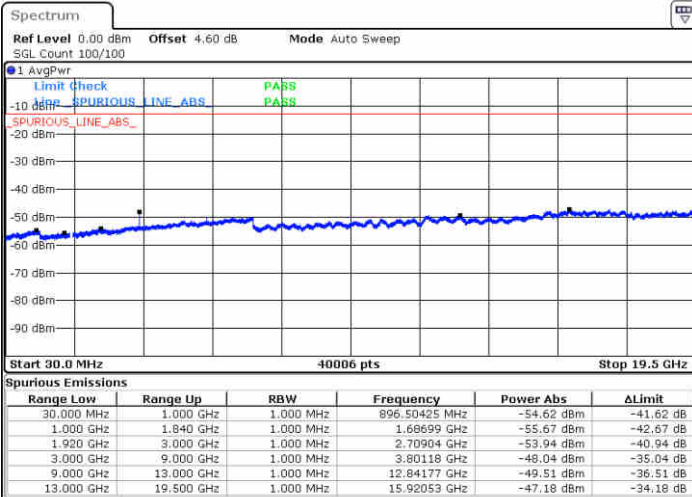


Date: 8. JAN 2020 11:04:53

Date: 8. JAN 2020 11:05:48

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 8. JAN 2020 11:11:52

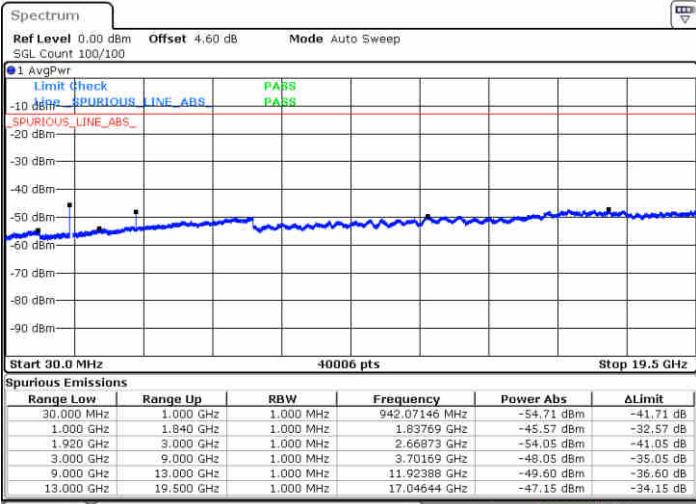
Date: 8. JAN 2020 11:12:46



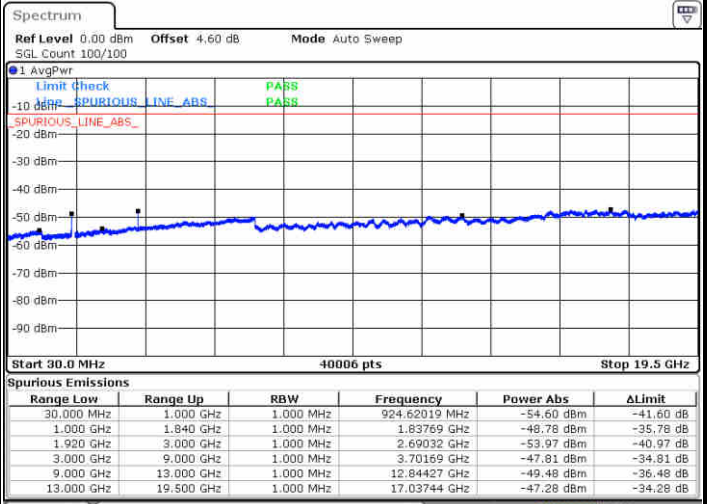
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



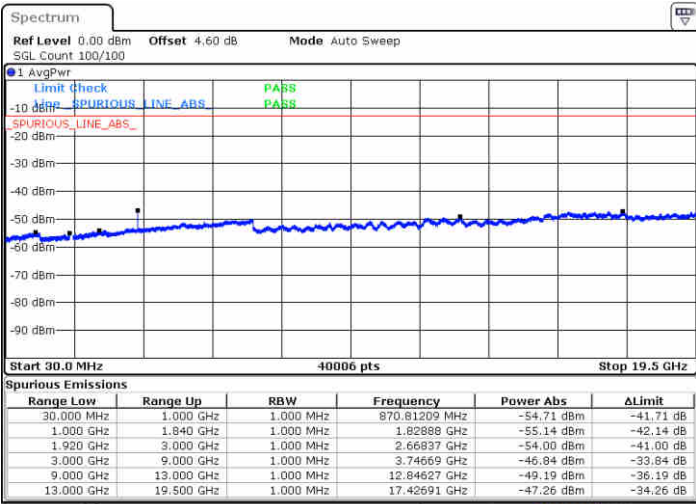
Date: 8. JAN 2020 11:18:50



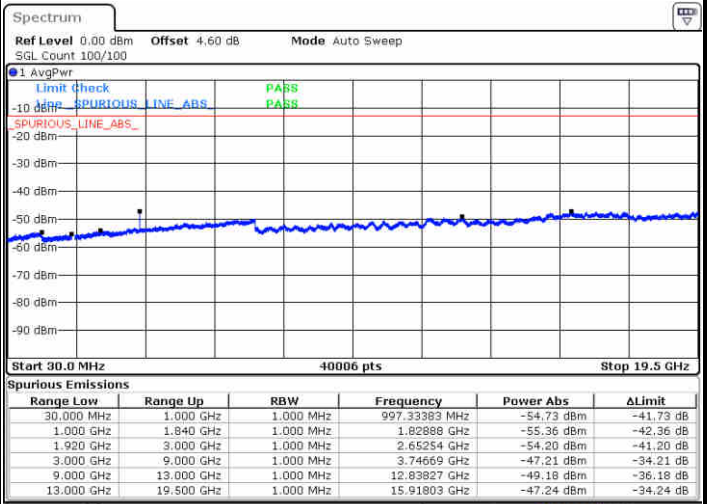
Date: 8. JAN 2020 11:42:42

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 8. JAN 2020 11:44:17

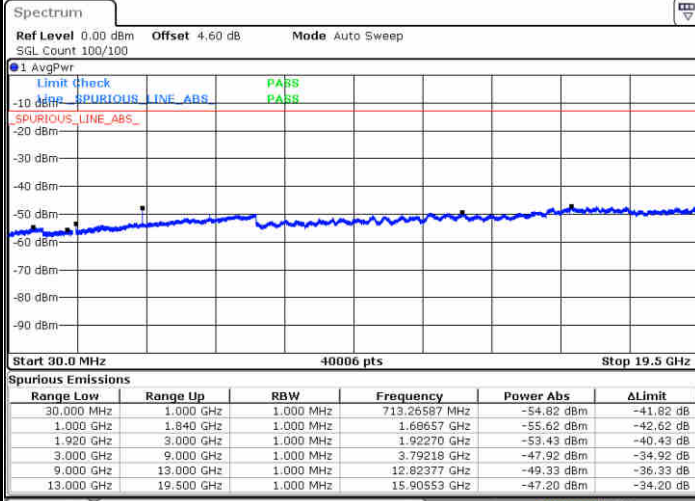


Date: 8. JAN 2020 11:45:11



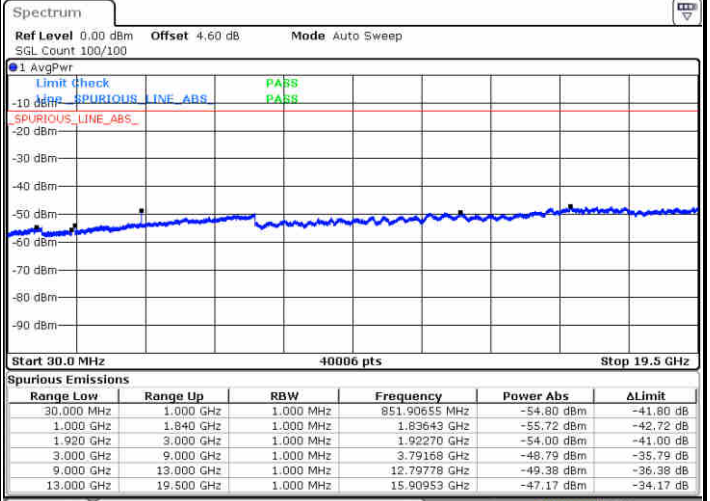
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 8 JAN 2020 11:51:15

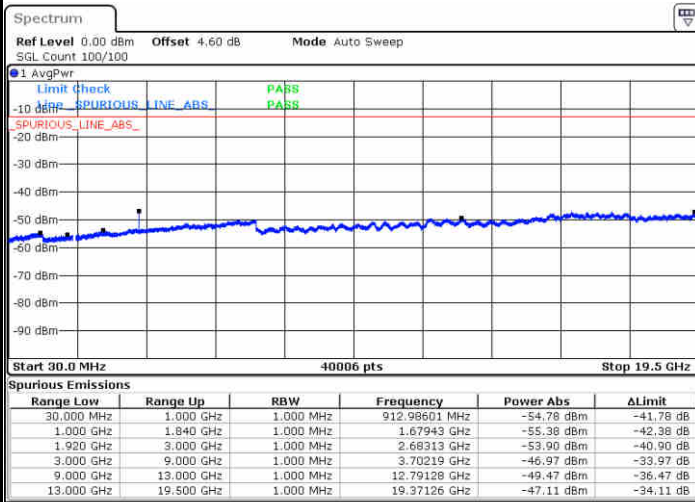
Highest Channel / 16QAM



Date: 8 JAN 2020 11:52:10

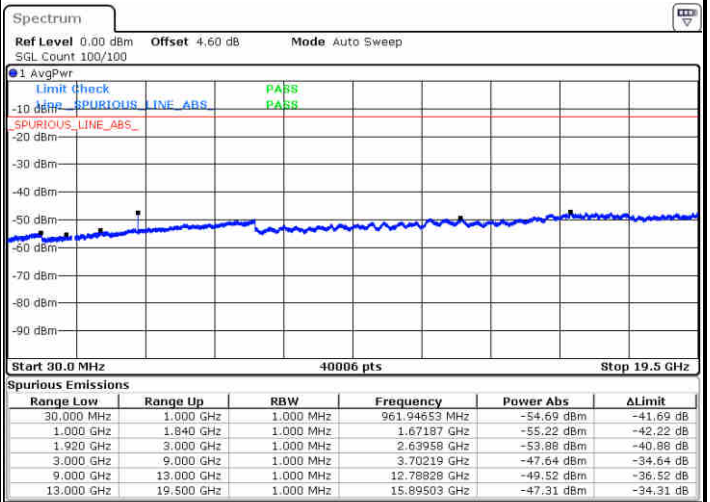
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 8 JAN 2020 11:58:14

Lowest Channel / 16QAM



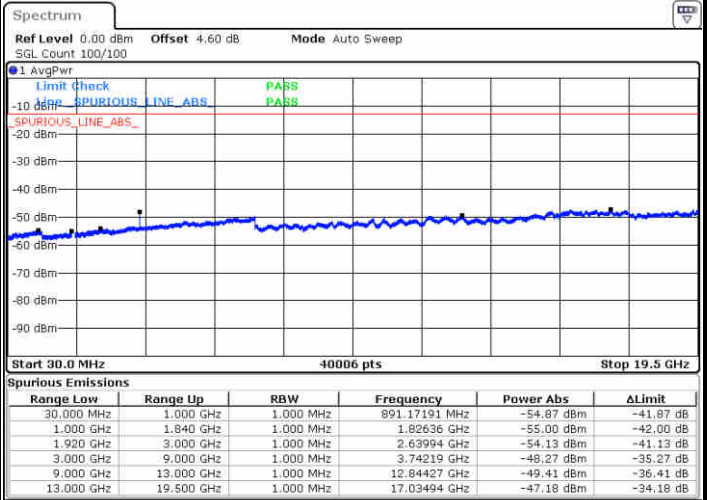
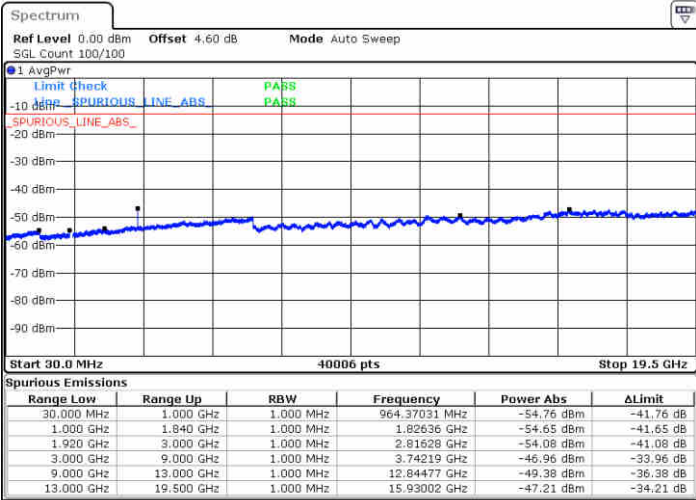
Date: 8 JAN 2020 11:59:08



LTE Band 2 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

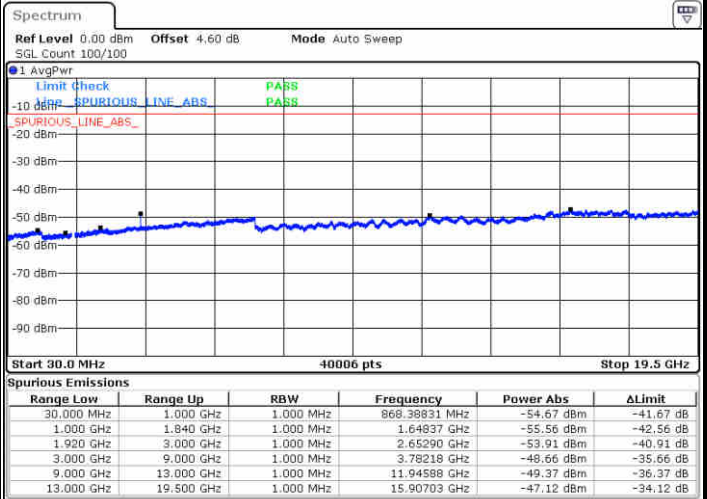
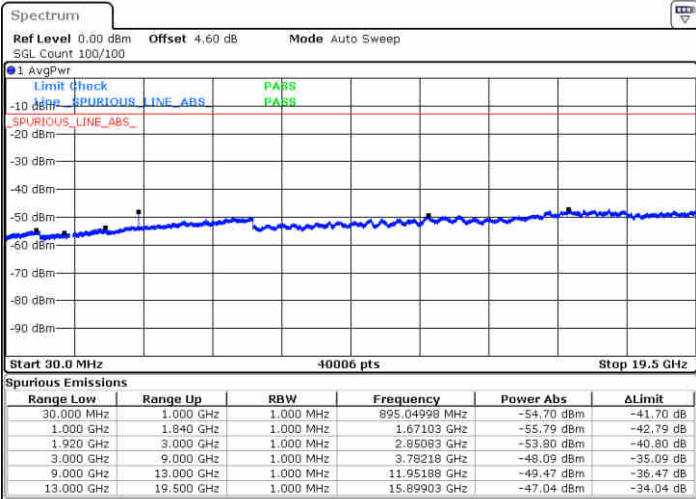


Date: 8. JAN 2020 12:00:43

Date: 8. JAN 2020 12:01:37

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 8. JAN 2020 12:07:42

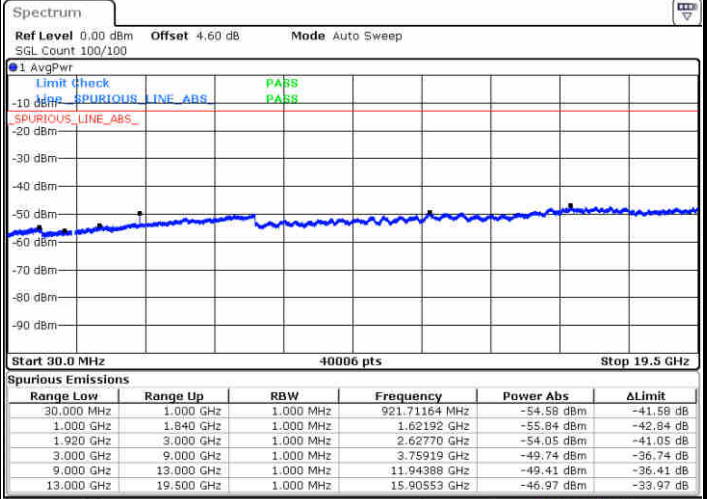
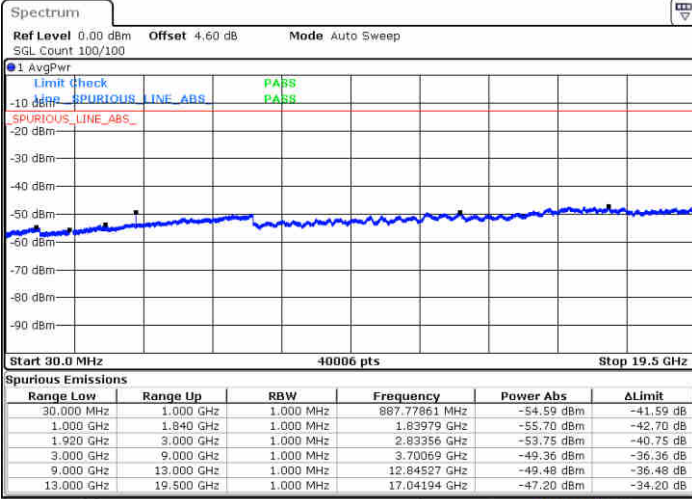
Date: 8. JAN 2020 12:08:36



LTE Band 2 / 1.4MHz

Lowest Channel / 64QAM

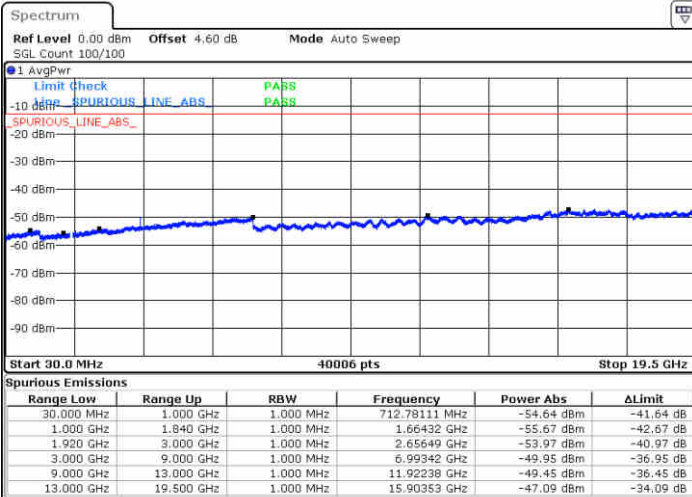
Middle Channel / 64QAM



Date: 8. JAN 2020 12:45:52

Date: 8. JAN 2020 12:46:46

Highest Channel / 64QAM

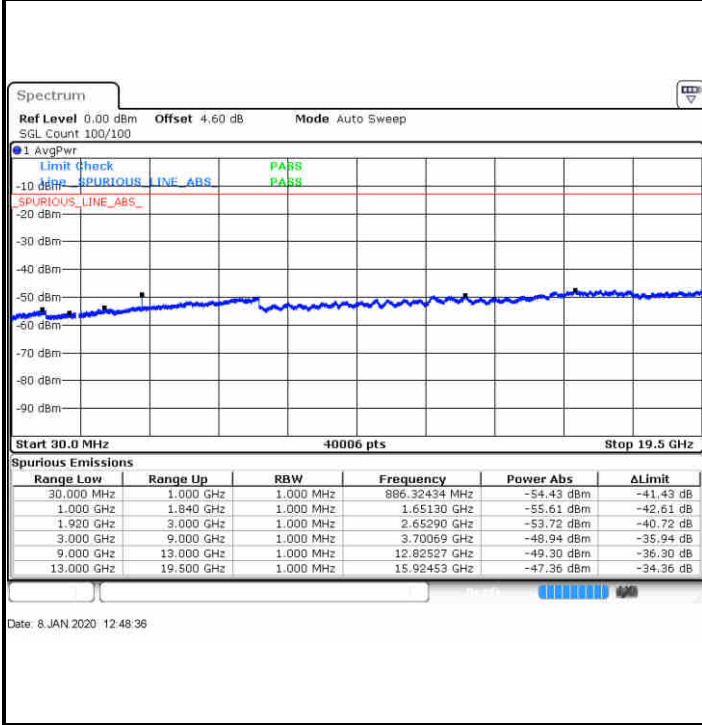


Date: 8. JAN 2020 12:47:41

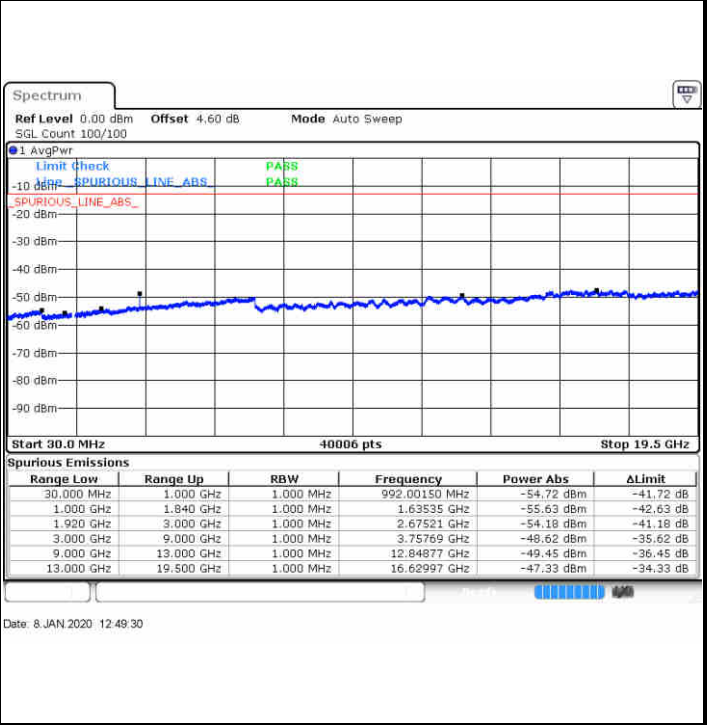


LTE Band 2 / 3MHz

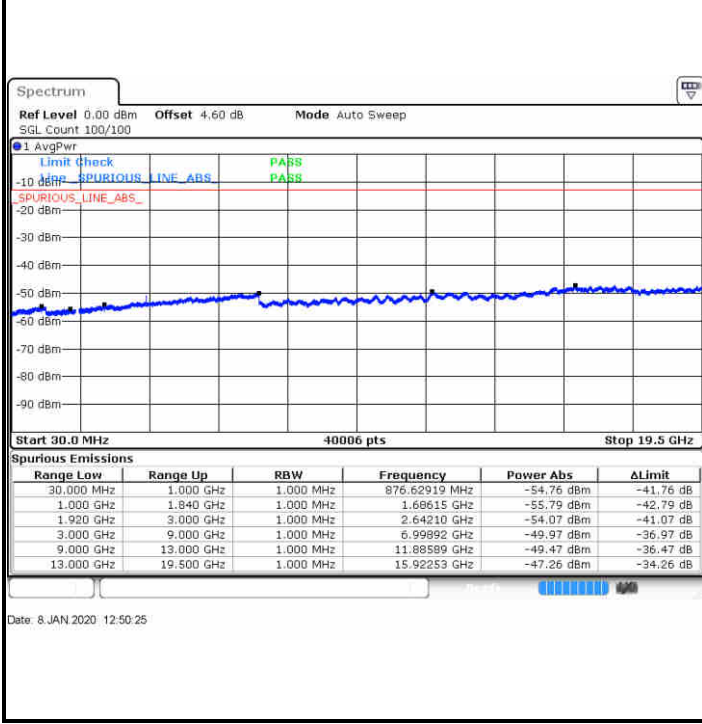
Lowest Channel / 64QAM



Middle Channel / 64QAM

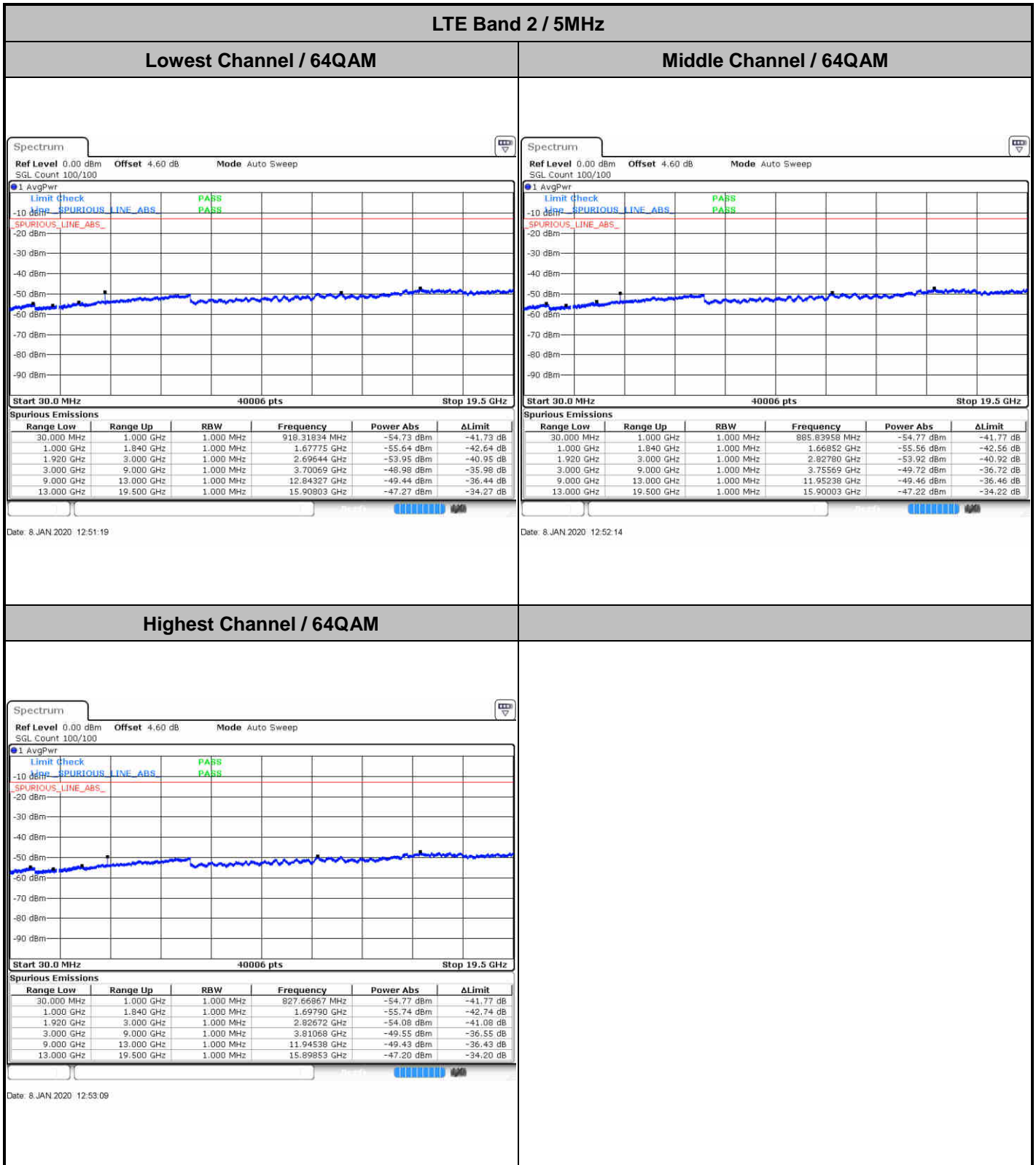


Highest Channel / 64QAM



Highest Channel / 64QAM



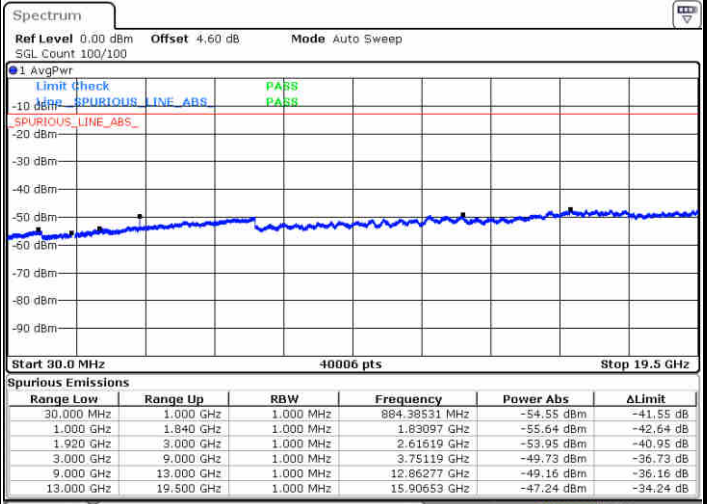
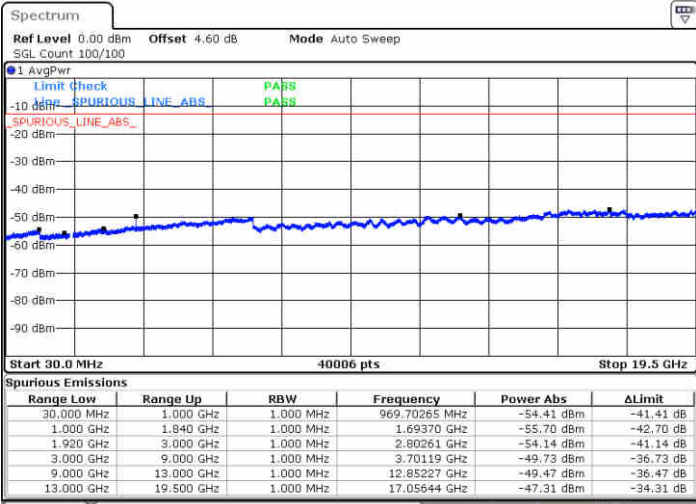




LTE Band 2 / 10MHz

Lowest Channel / 64QAM

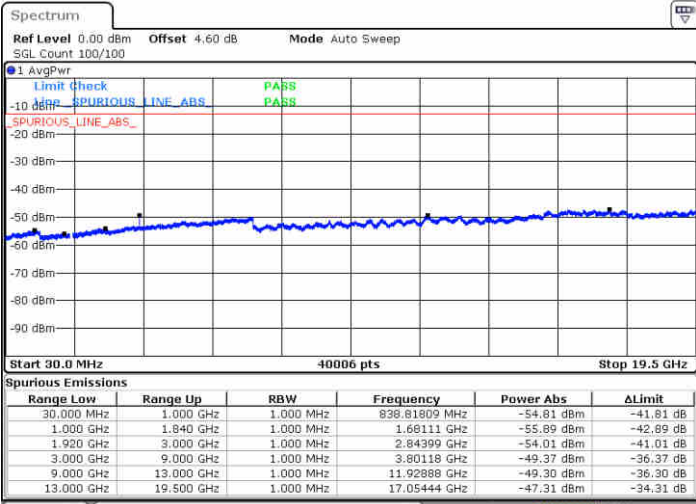
Middle Channel / 64QAM



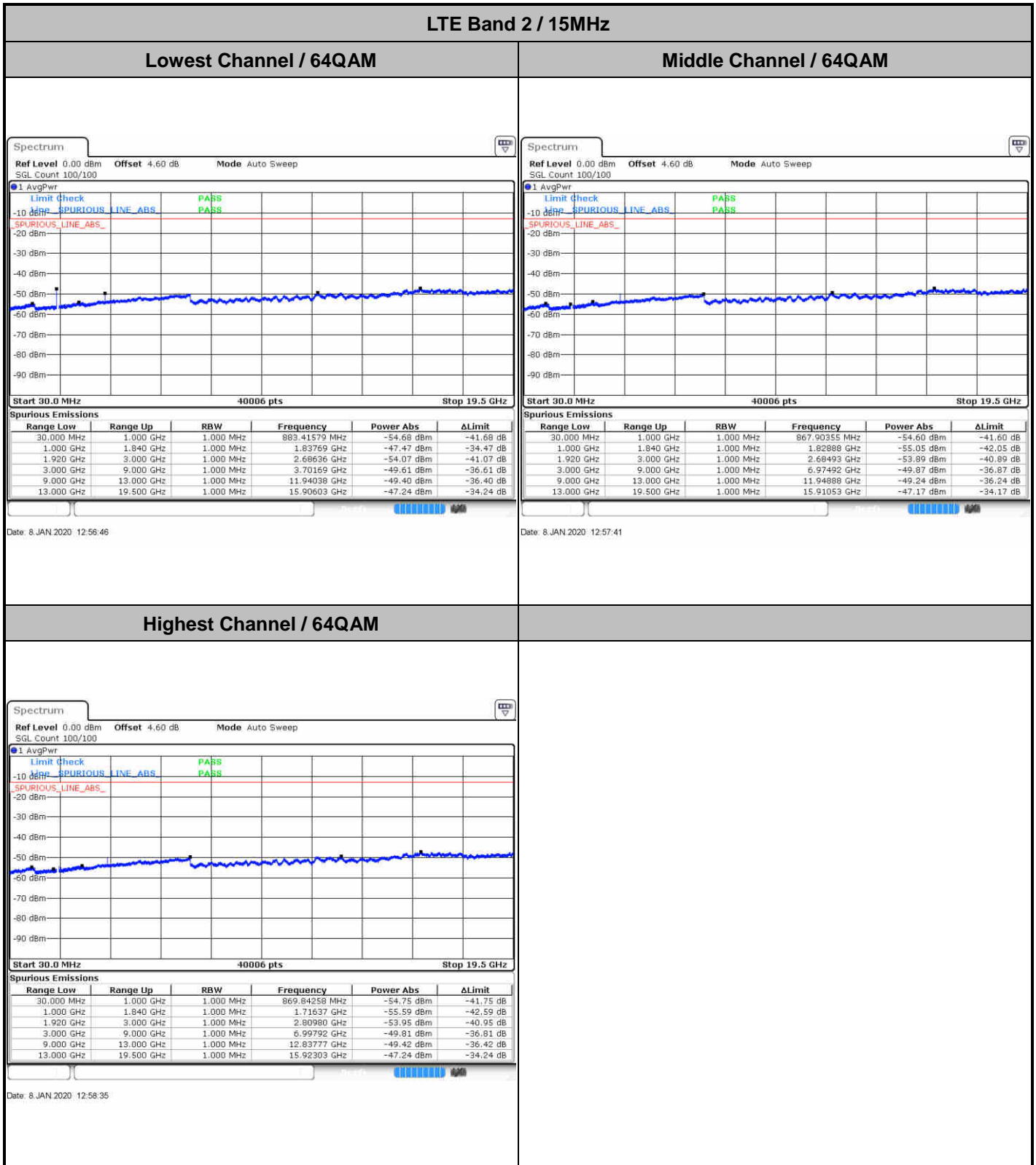
Date: 8. JAN 2020 12:54:03

Date: 8. JAN 2020 12:54:57

Highest Channel / 64QAM



Date: 8. JAN 2020 12:55:52

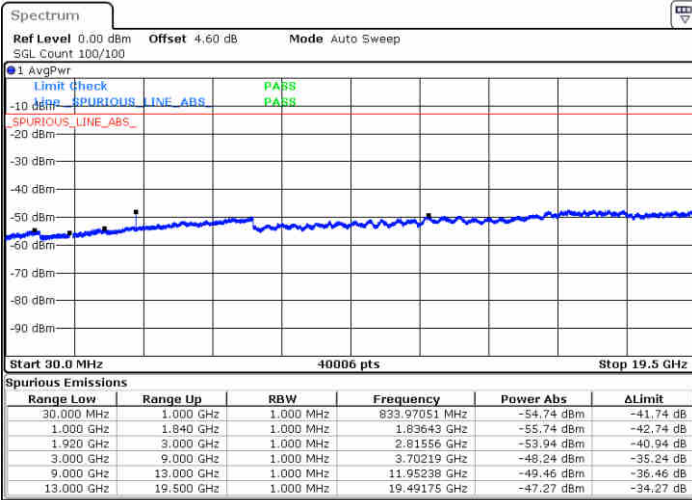




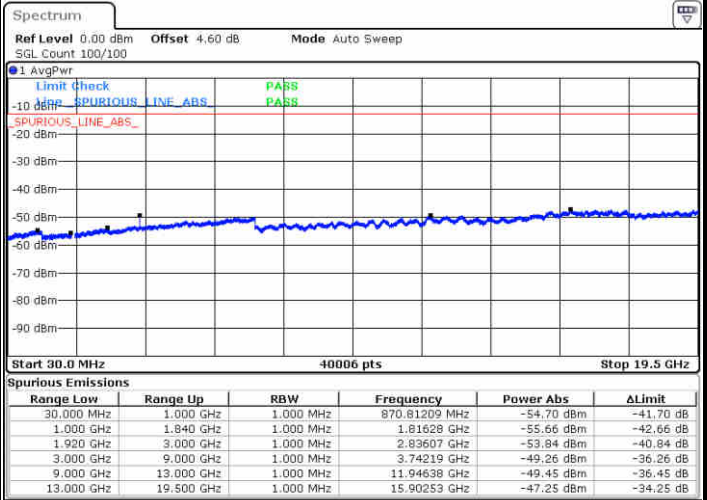
LTE Band 2 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

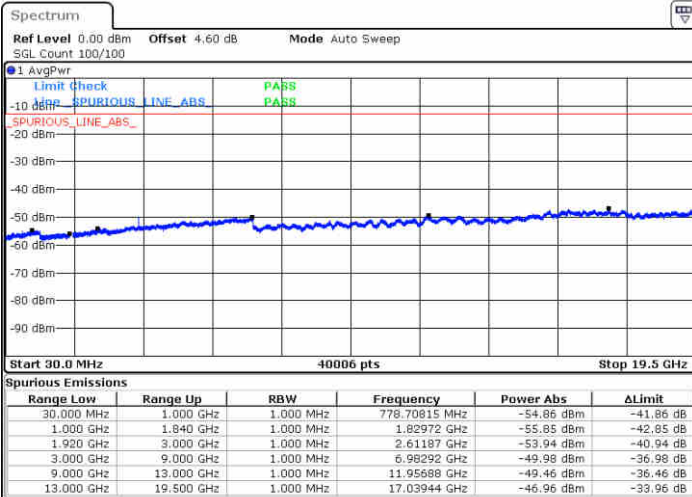


Date: 8. JAN 2020 12:59:30



Date: 8. JAN 2020 13:00:25

Highest Channel / 64QAM



Date: 8. JAN 2020 13:01:19



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	PASS
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	PASS		
Middle CH	6.70	6.26			
Highest CH	6.43	6.43			