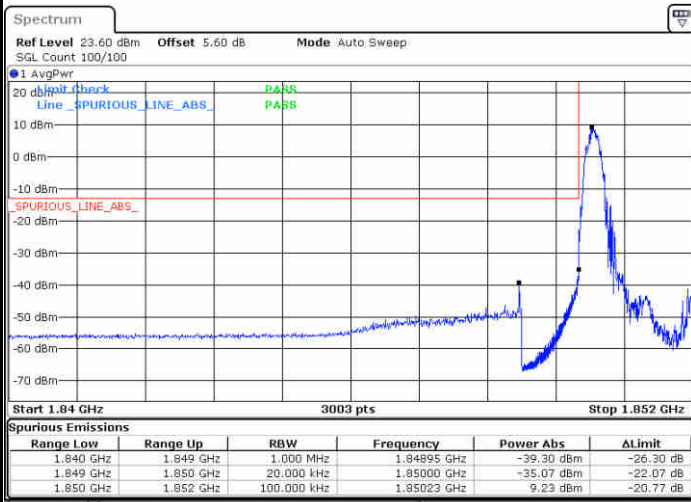




LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



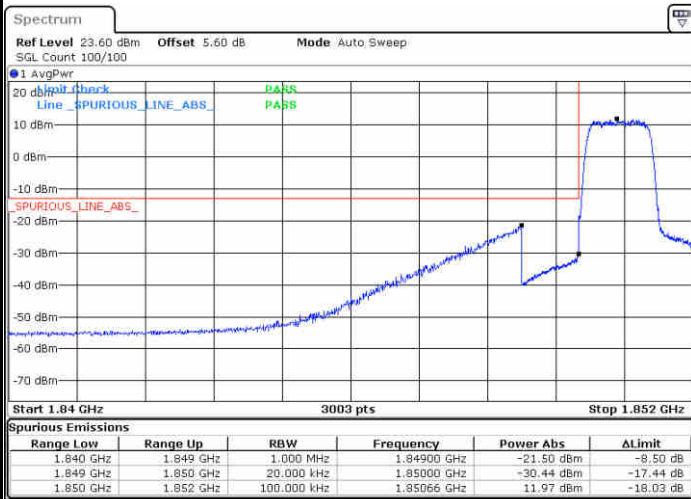
Date: 10.MAR.2020 16:14:16

Highest Band Edge / 1 RB



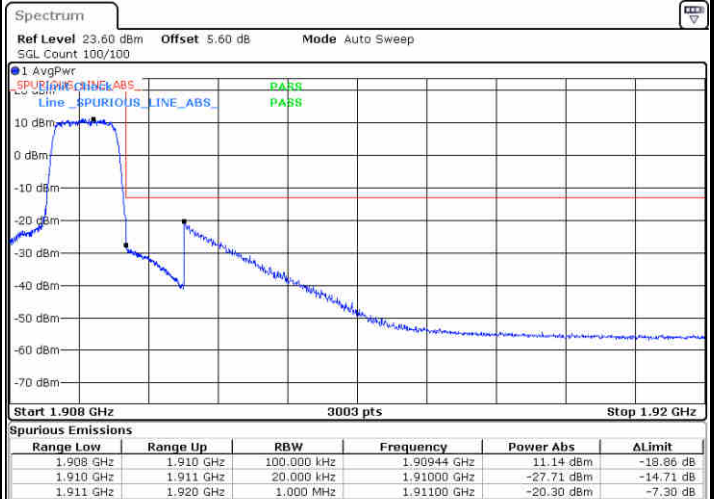
Date: 10.MAR.2020 16:23:21

Lowest Band Edge / Full RB



Date: 10.MAR.2020 16:22:14

Highest Band Edge / Full RB

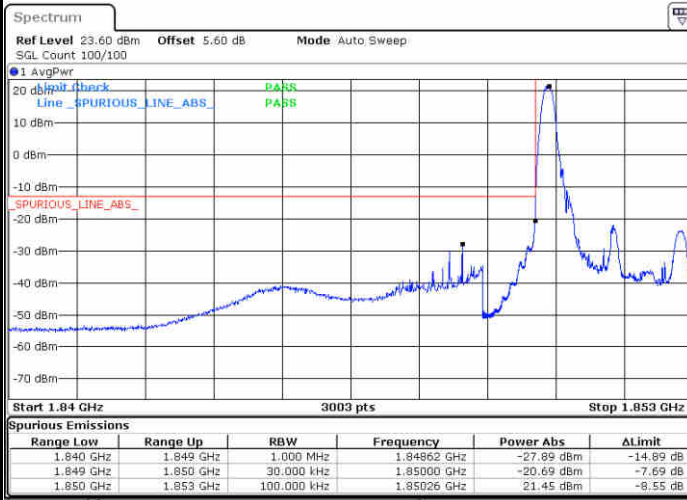


Date: 10.MAR.2020 16:24:28



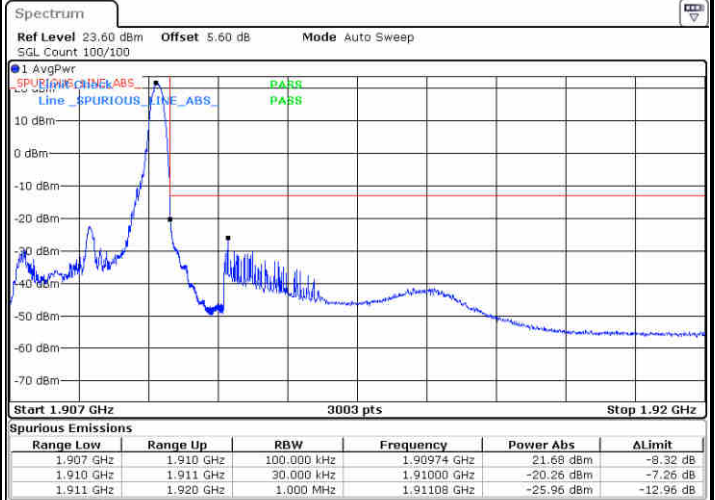
LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB



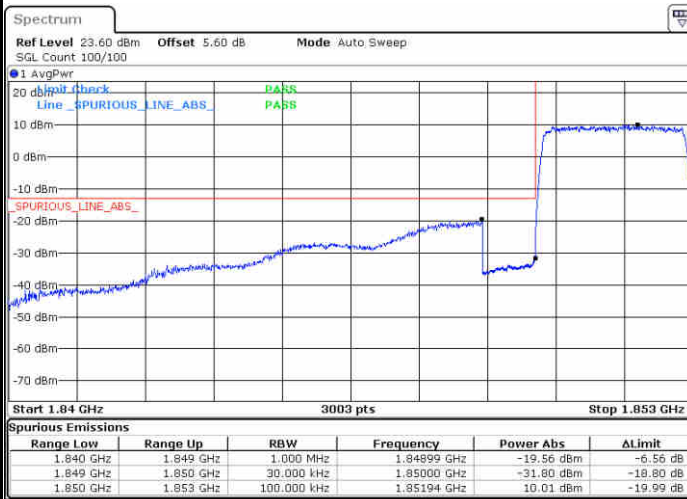
Date: 4 FEB 2020 08:43:37

Highest Band Edge / 1 RB



Date: 4 FEB 2020 08:53:08

Lowest Band Edge / Full RB



Date: 4 FEB 2020 08:45:52

Highest Band Edge / Full RB

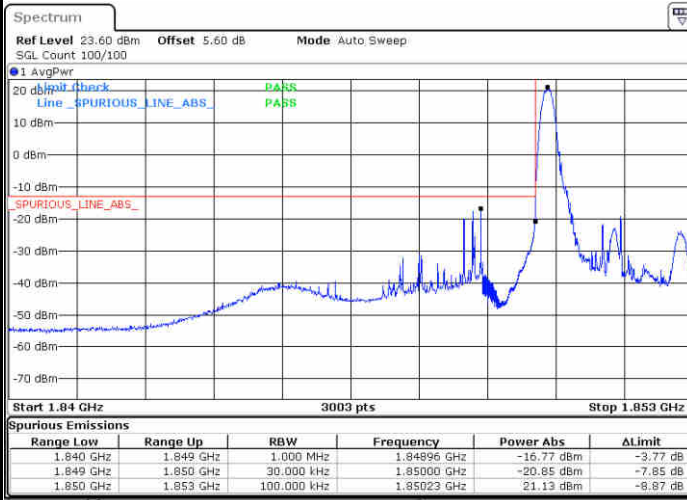


Date: 4 FEB 2020 08:55:23



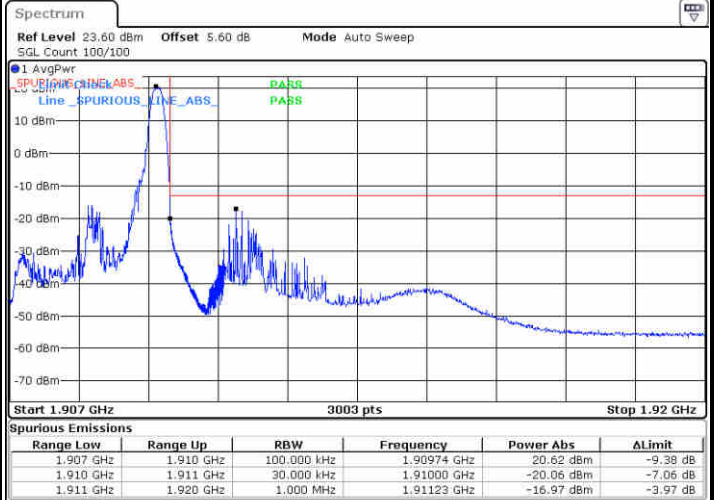
LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



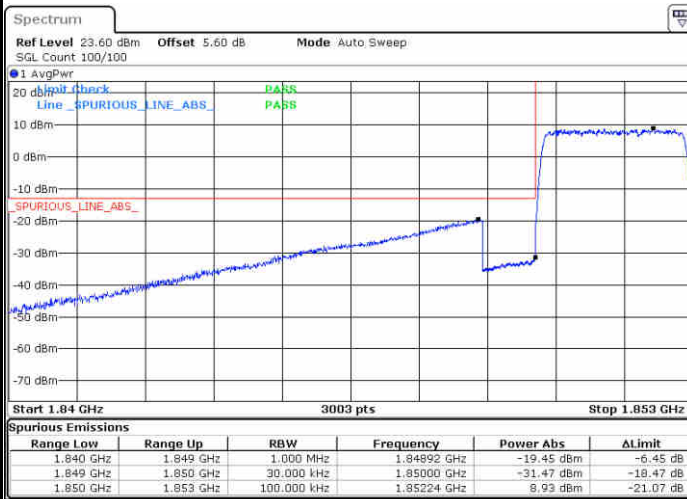
Date: 4 FEB 2020 08:44:44

Highest Band Edge / 1 RB



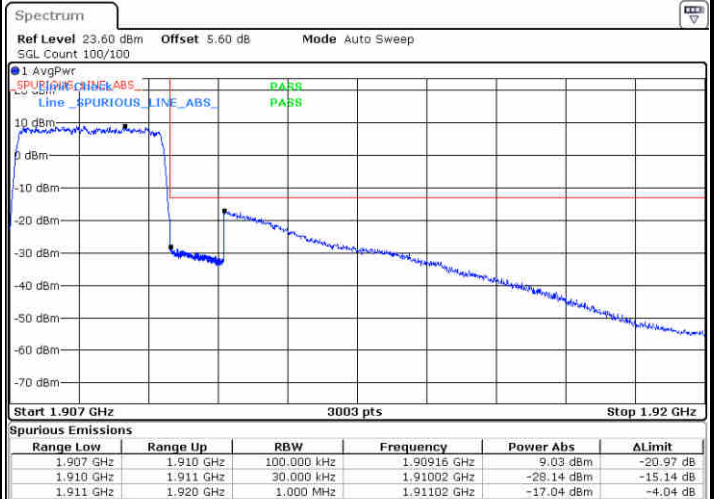
Date: 4 FEB 2020 08:54:16

Lowest Band Edge / Full RB



Date: 4 FEB 2020 08:47:00

Highest Band Edge / Full RB

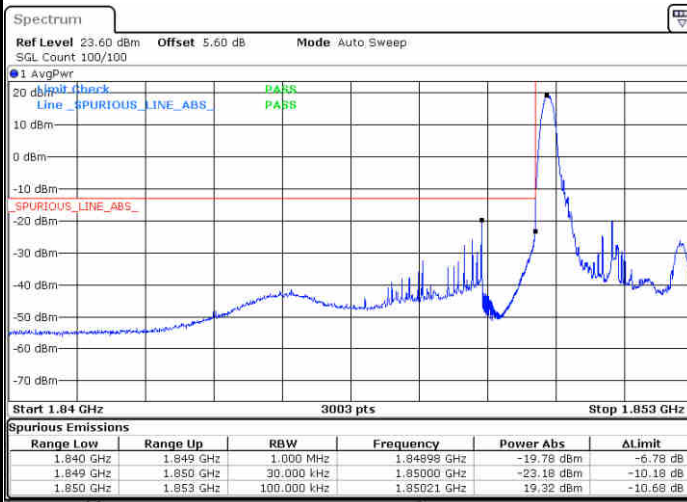


Date: 4 FEB 2020 08:56:31



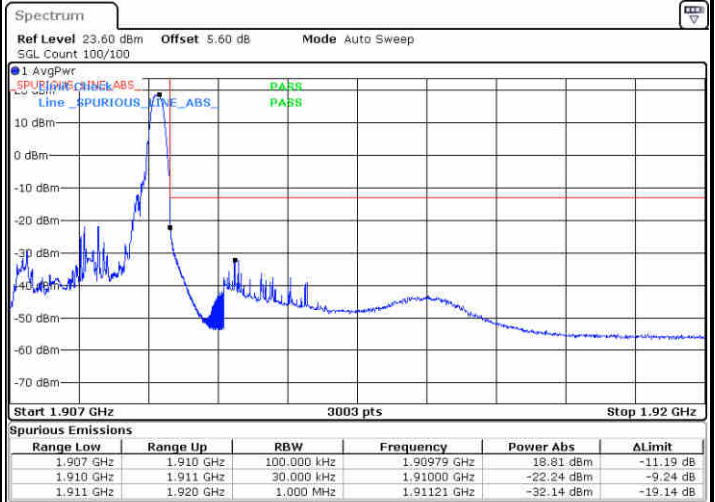
LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



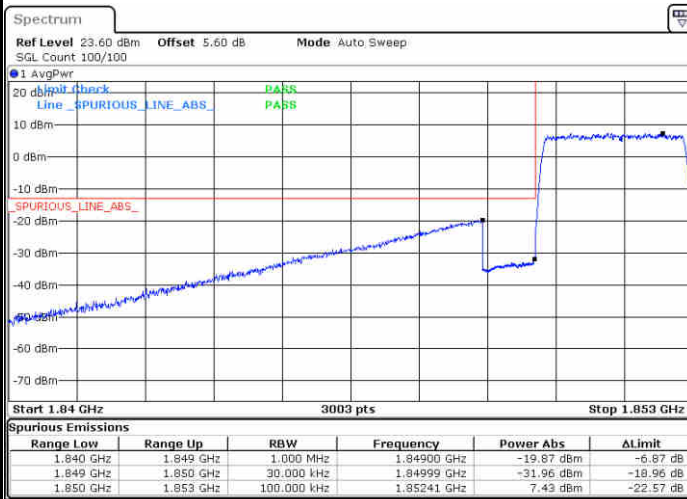
Date: 10.MAR.2020 16:25:35

Highest Band Edge / 1 RB



Date: 10.MAR.2020 17:03:19

Lowest Band Edge / Full RB



Date: 10.MAR.2020 17:38:43

Highest Band Edge / Full RB

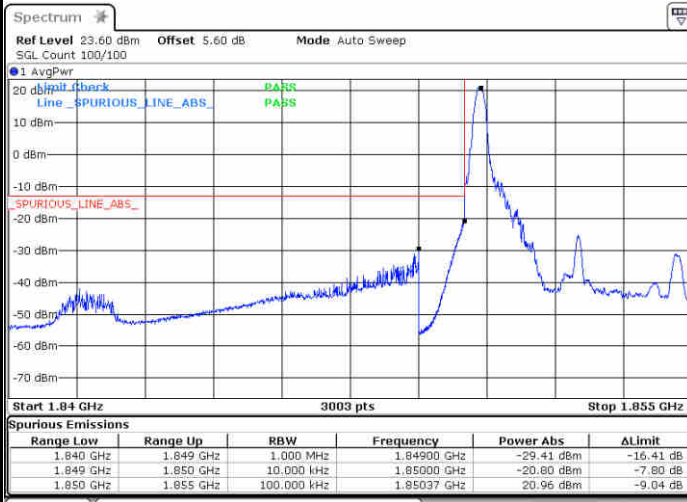


Date: 10.MAR.2020 17:02:12

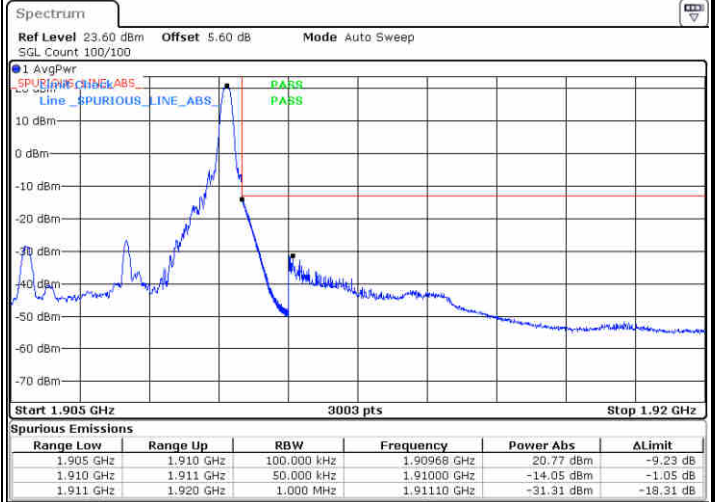


LTE Band 2 / 5MHz / QPSK

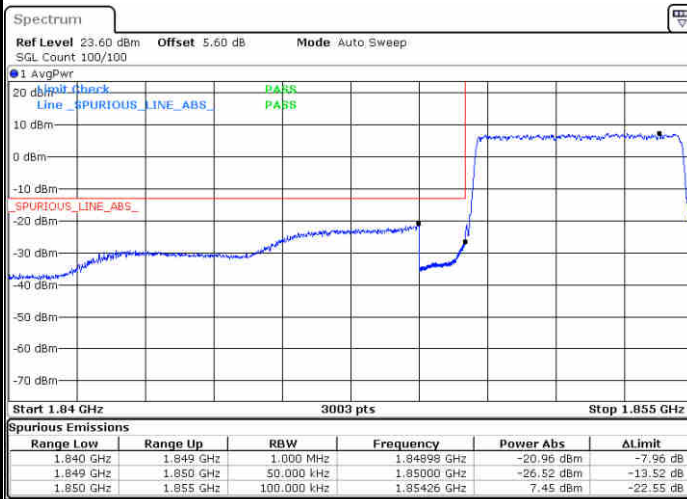
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Date: 3 FEB 2020 23:57:11

Highest Band Edge / Full RB

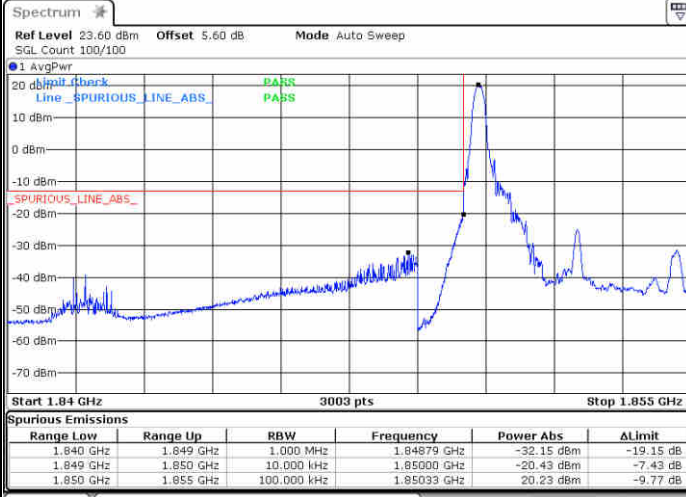


Date: 4 FEB 2020 00:06:42

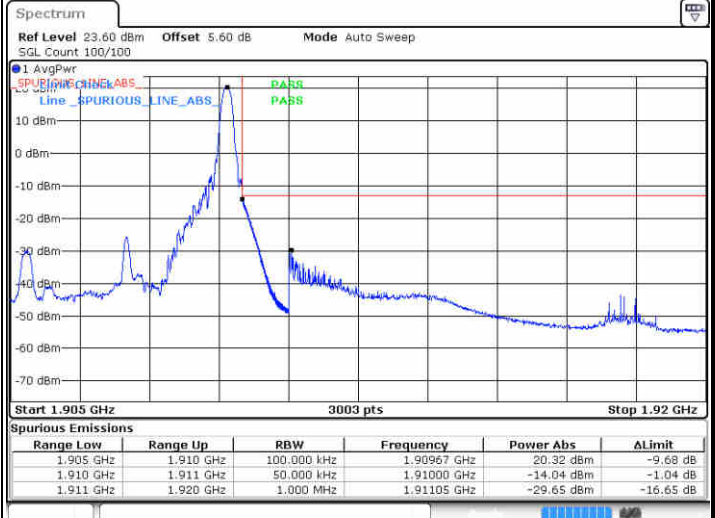


LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB

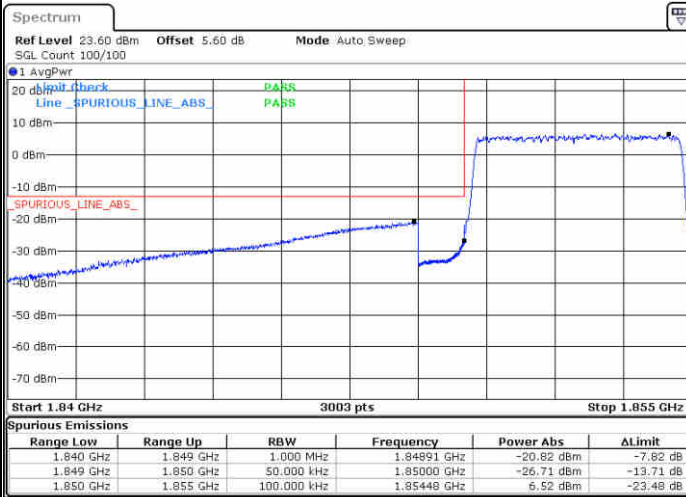


Highest Band Edge / 1 RB



Date: 4 FEB 2020 00:05:34

Lowest Band Edge / Full RB



Date: 3 FEB 2020 23:58:19

Highest Band Edge / Full RB

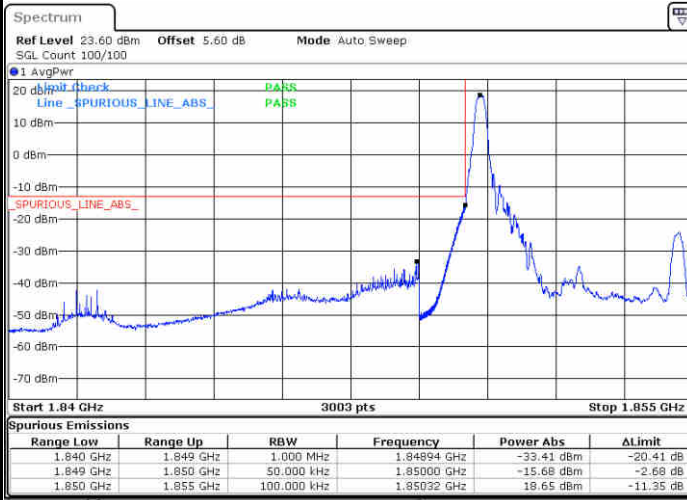


Date: 4 FEB 2020 00:07:49



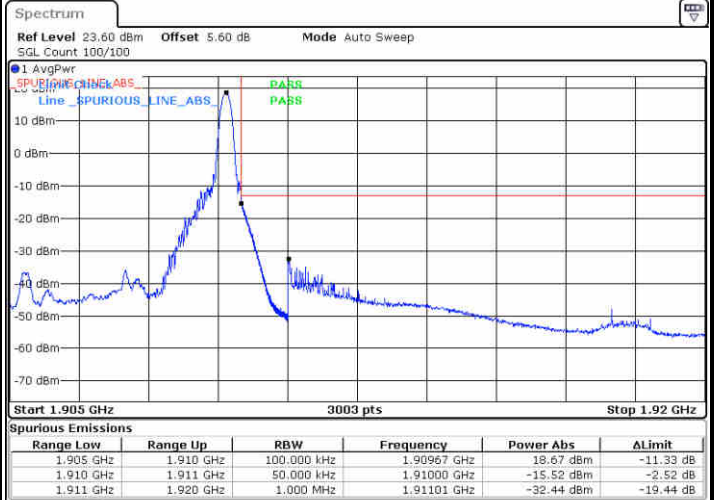
LTE Band 2 / 5MHz / 64QAM

Lowest Band Edge / 1RB



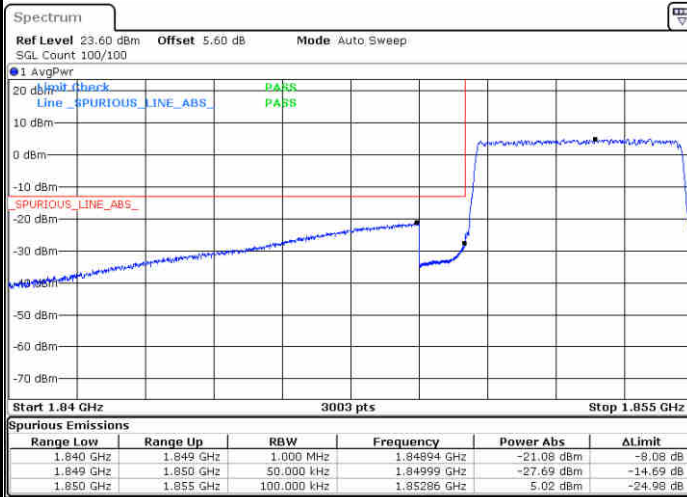
Date: 10.MAR.2020 17:04:26

Highest Band Edge / 1 RB



Date: 10.MAR.2020 17:07:48

Lowest Band Edge / Full RB



Date: 10.MAR.2020 17:05:34

Highest Band Edge / Full RB

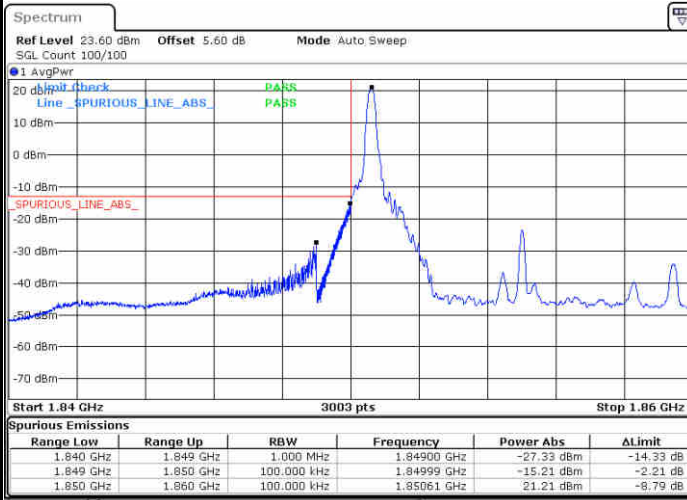


Date: 10.MAR.2020 17:06:41



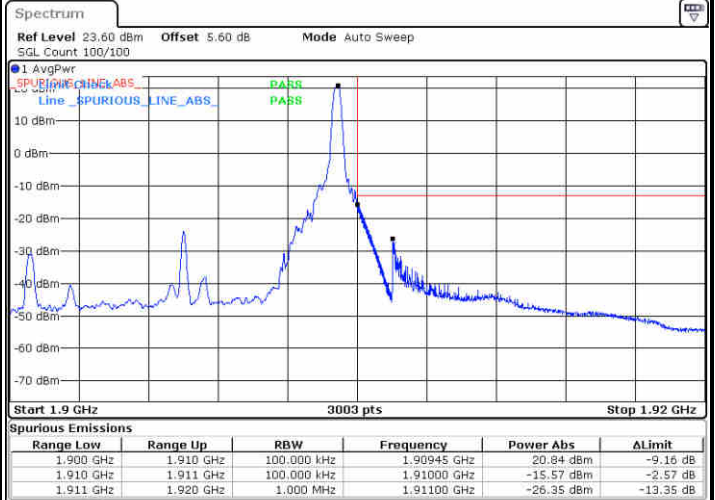
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



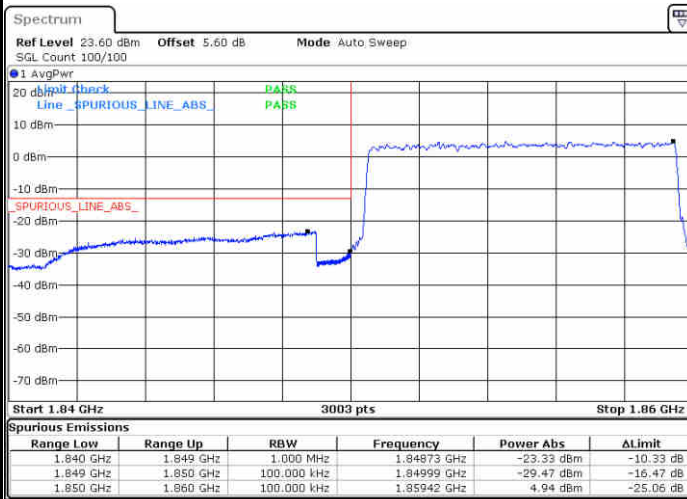
Date: 4 FEB 2020 00:11:27

Highest Band Edge / 1 RB



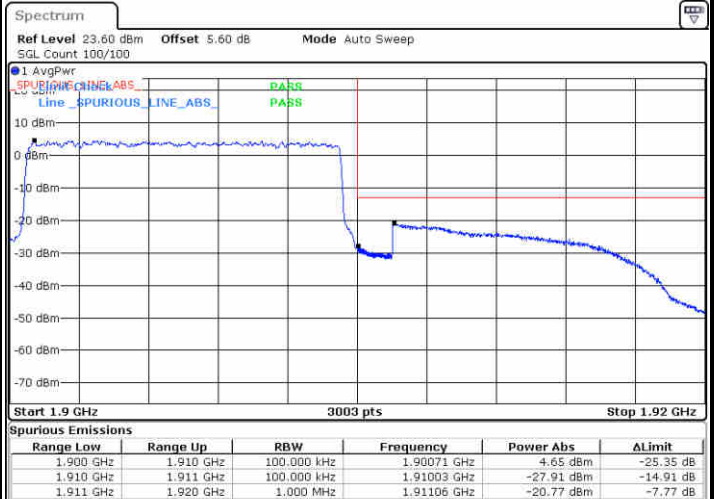
Date: 4 FEB 2020 00:20:57

Lowest Band Edge / Full RB



Date: 4 FEB 2020 00:13:42

Highest Band Edge / Full RB

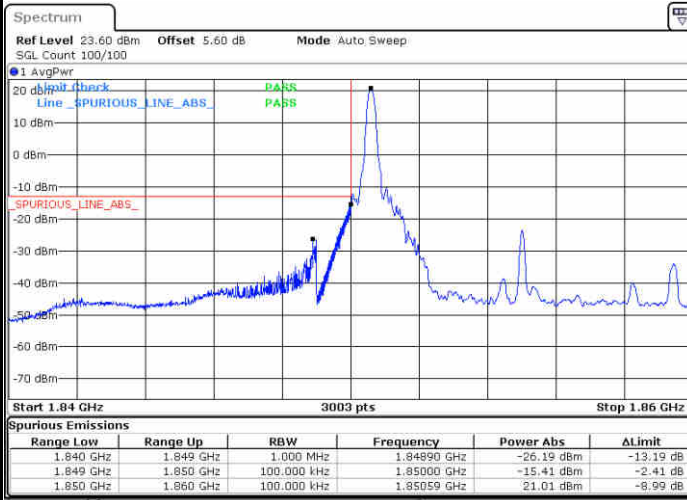


Date: 4 FEB 2020 00:23:13



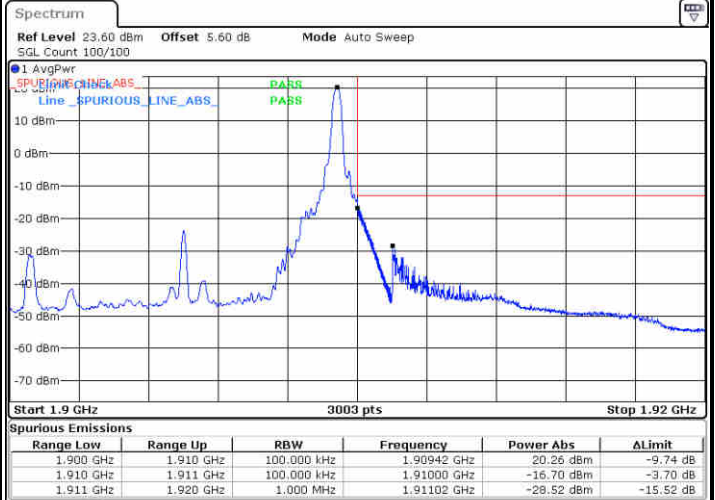
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



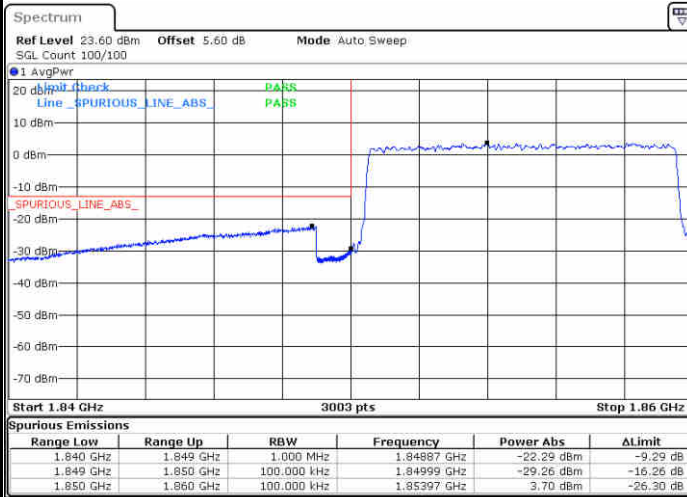
Date: 4 FEB 2020 00:12:35

Highest Band Edge / 1 RB



Date: 4 FEB 2020 00:22:05

Lowest Band Edge / Full RB



Date: 4 FEB 2020 00:14:50

Highest Band Edge / Full RB

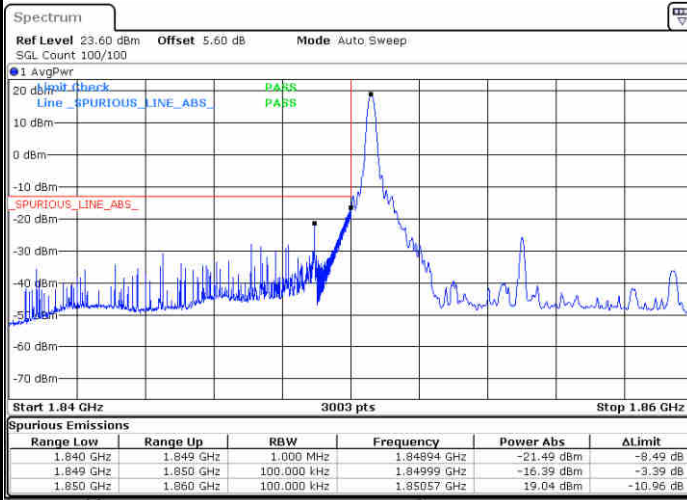


Date: 4 FEB 2020 00:24:20



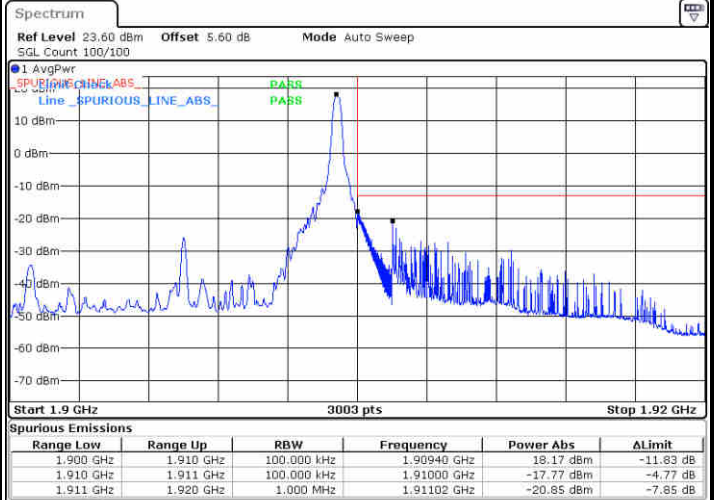
LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



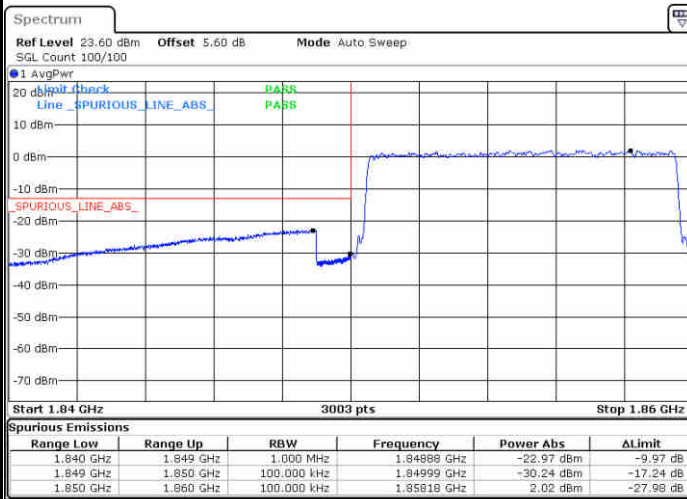
Date: 10.MAR.2020 17:08:56

Highest Band Edge / 1 RB



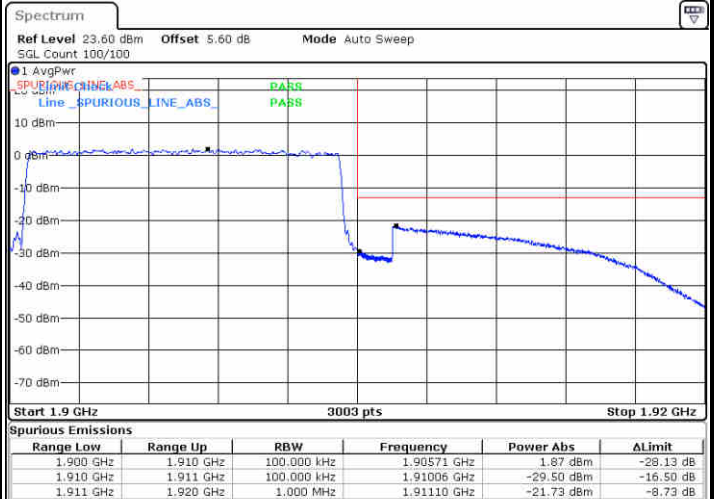
Date: 10.MAR.2020 17:12:18

Lowest Band Edge / Full RB



Date: 10.MAR.2020 17:10:03

Highest Band Edge / Full RB

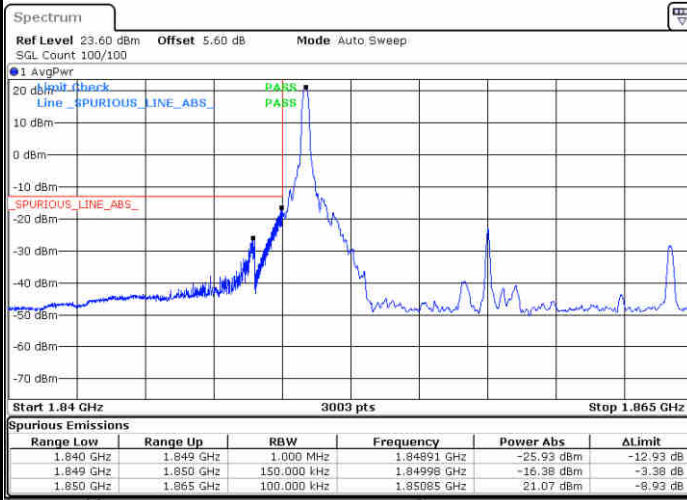


Date: 10.MAR.2020 17:11:11



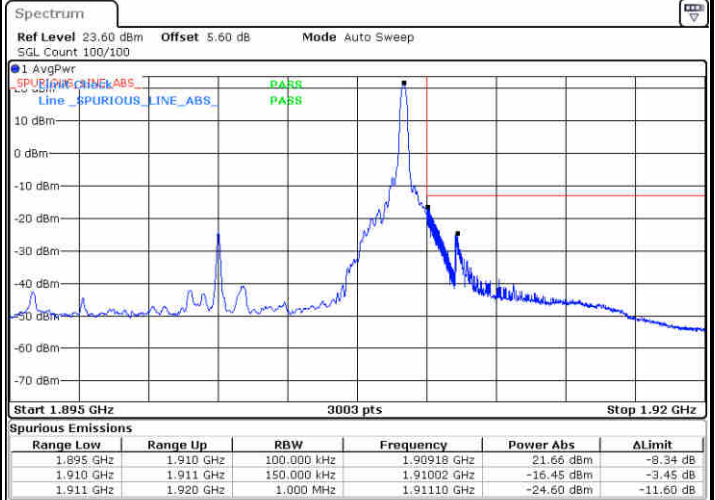
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



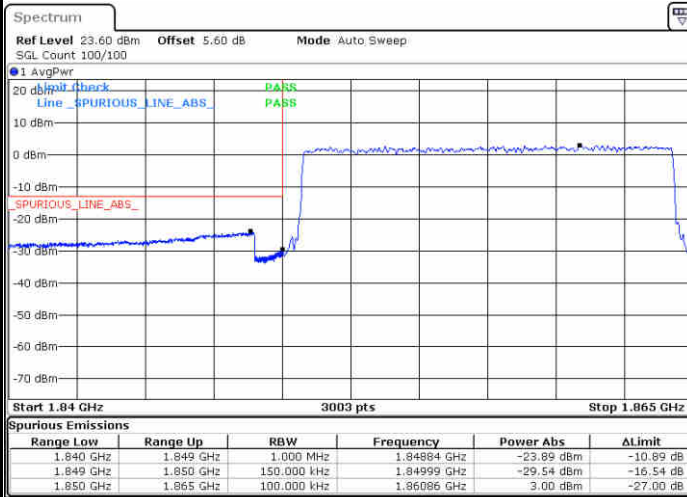
Date: 4 FEB 2020 00:27:58

Highest Band Edge / 1 RB



Date: 4 FEB 2020 00:37:28

Lowest Band Edge / Full RB



Date: 4 FEB 2020 00:30:13

Highest Band Edge / Full RB

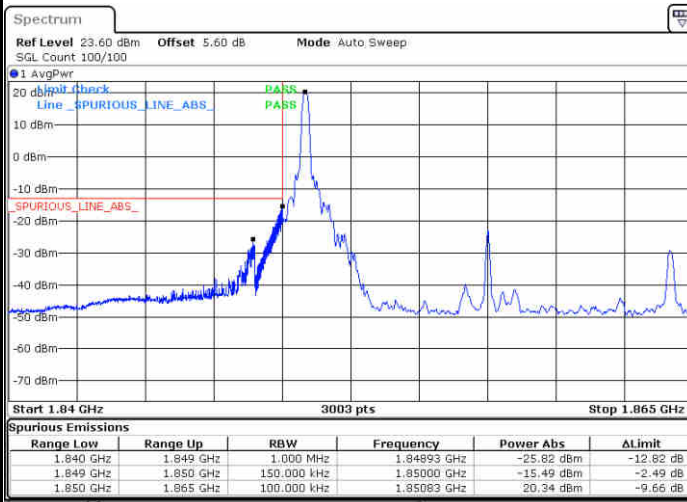


Date: 4 FEB 2020 00:39:43



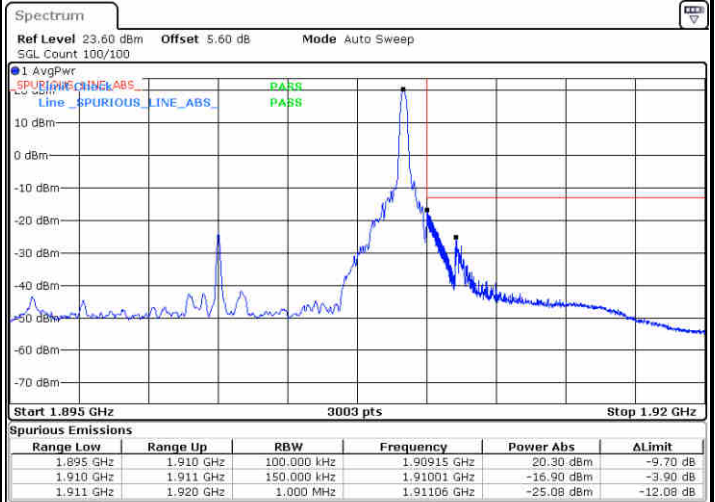
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



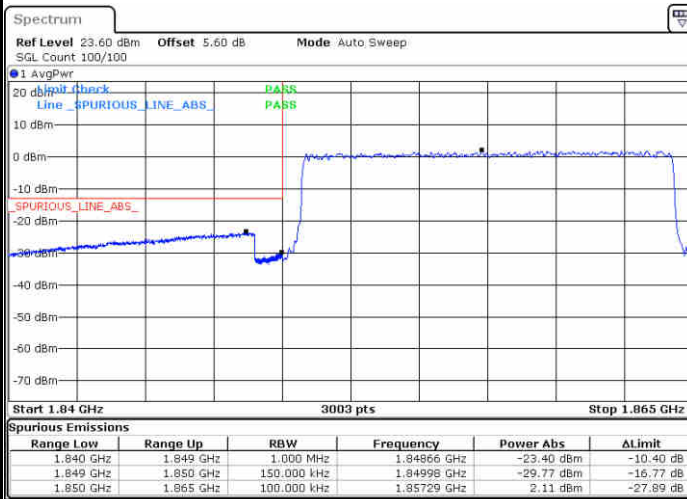
Date: 4 FEB 2020 00:29:06

Highest Band Edge / 1 RB



Date: 4 FEB 2020 00:38:36

Lowest Band Edge / Full RB



Date: 4 FEB 2020 00:31:21

Highest Band Edge / Full RB

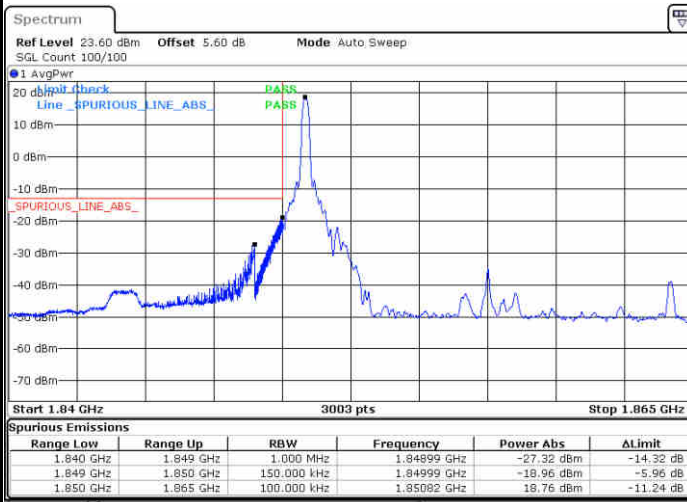


Date: 4 FEB 2020 00:40:51



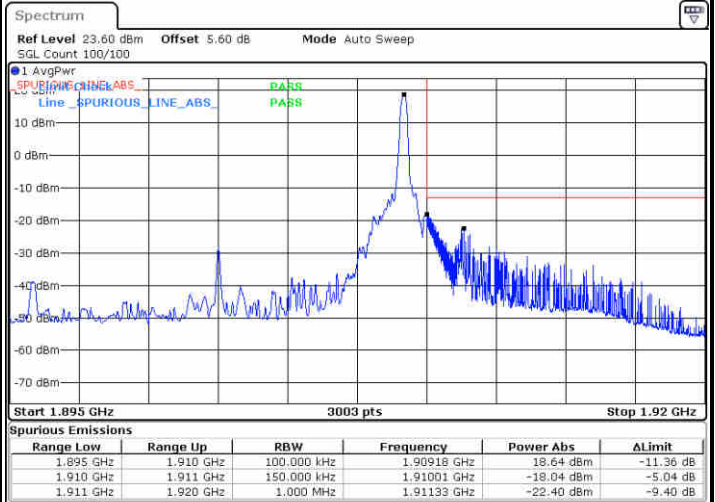
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



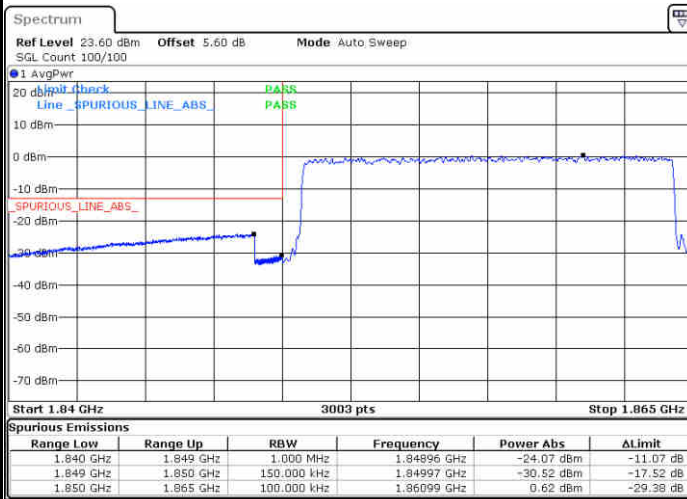
Date: 10.MAR.2020 17:13:26

Highest Band Edge / 1 RB



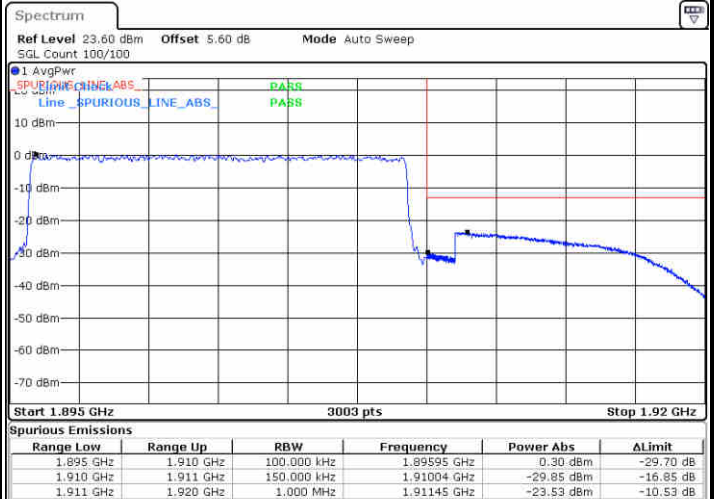
Date: 10.MAR.2020 17:16:48

Lowest Band Edge / Full RB



Date: 10.MAR.2020 17:14:33

Highest Band Edge / Full RB

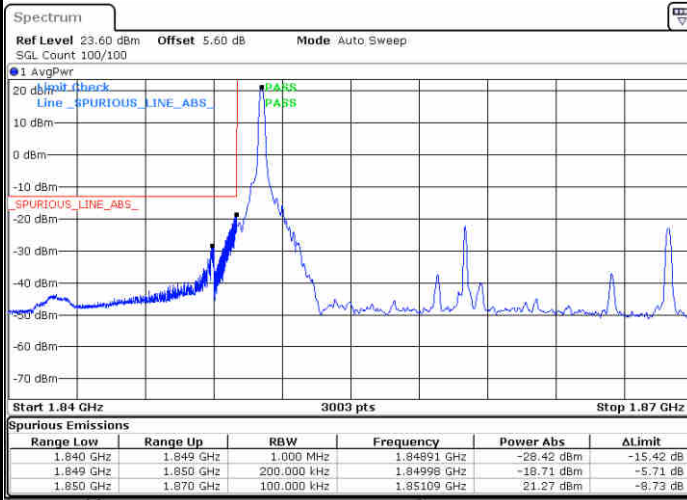


Date: 10.MAR.2020 17:15:40



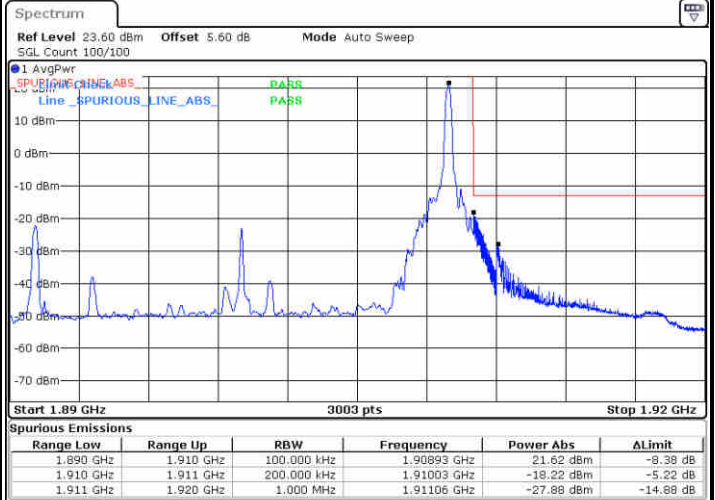
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



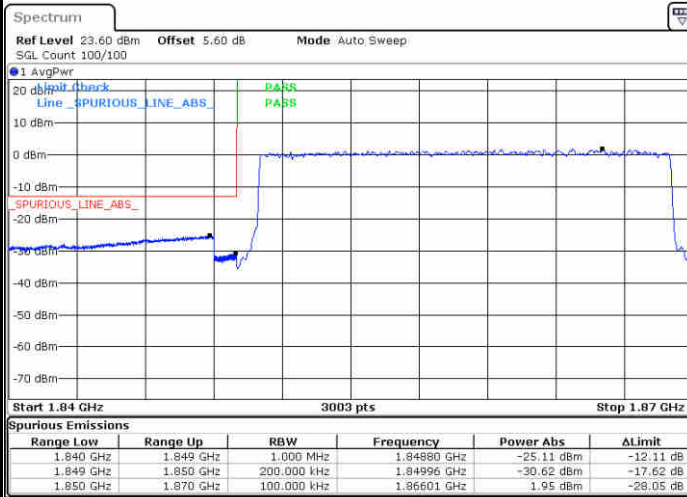
Date: 4 FEB 2020 00:44:28

Highest Band Edge / 1 RB



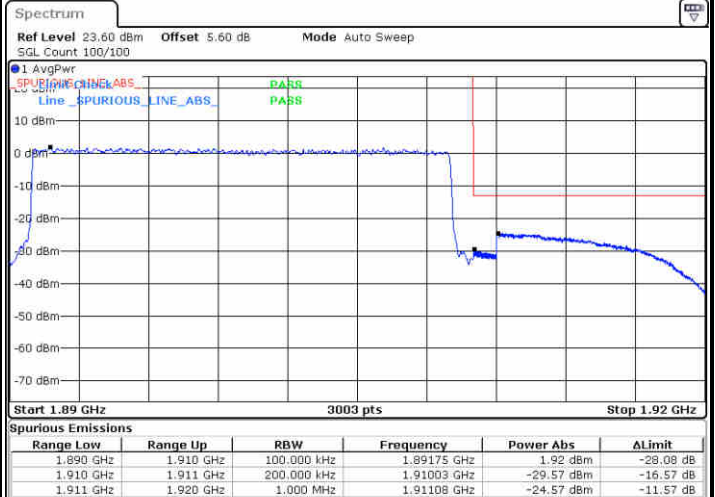
Date: 4 FEB 2020 00:53:59

Lowest Band Edge / Full RB



Date: 4 FEB 2020 00:46:43

Highest Band Edge / Full RB

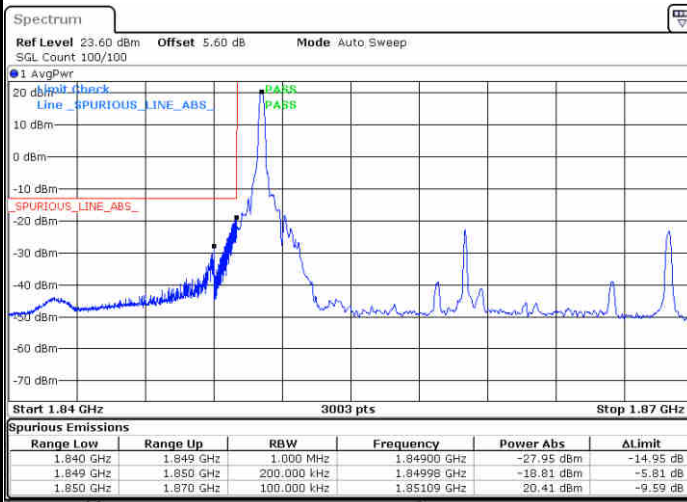


Date: 4 FEB 2020 00:56:14



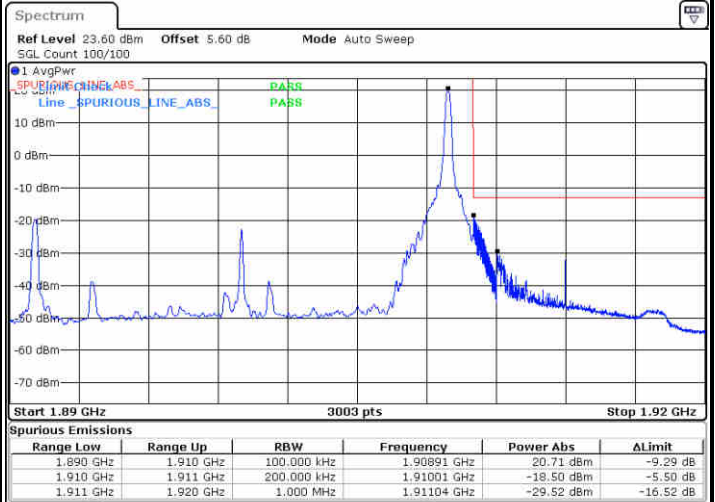
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



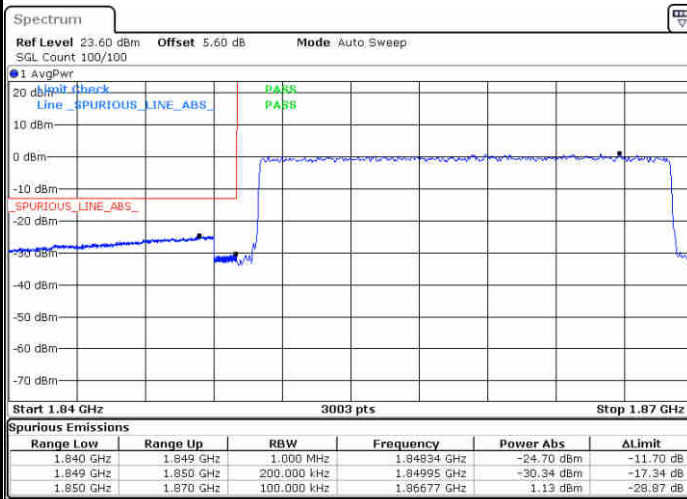
Date: 4 FEB 2020 00:45:36

Highest Band Edge / 1 RB



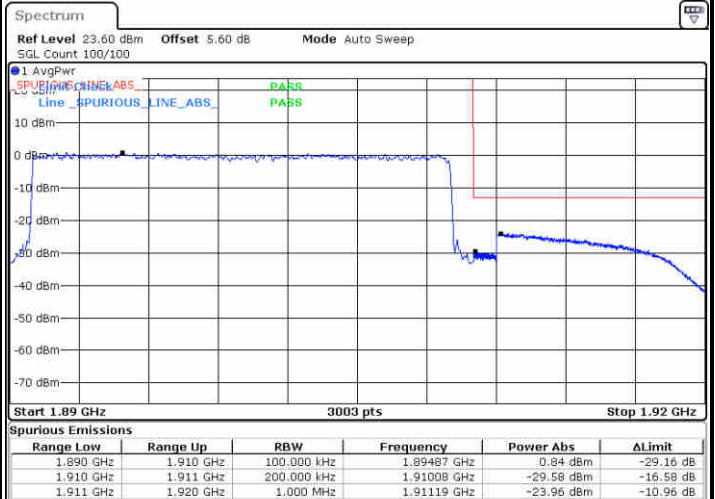
Date: 4 FEB 2020 00:55:06

Lowest Band Edge / Full RB



Date: 4 FEB 2020 00:47:51

Highest Band Edge / Full RB

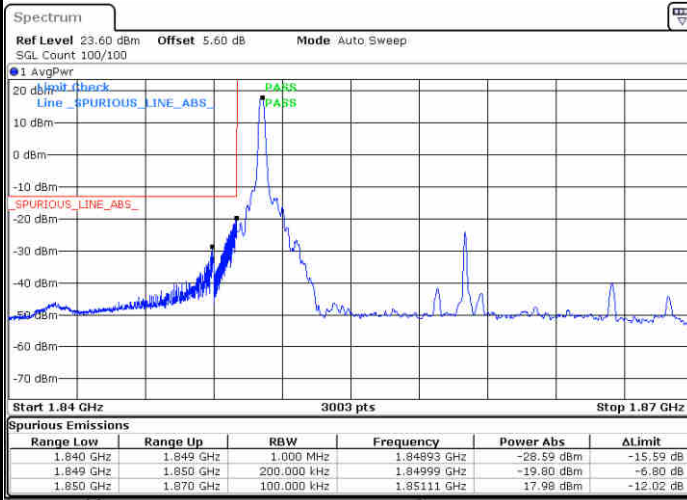


Date: 4 FEB 2020 00:57:21



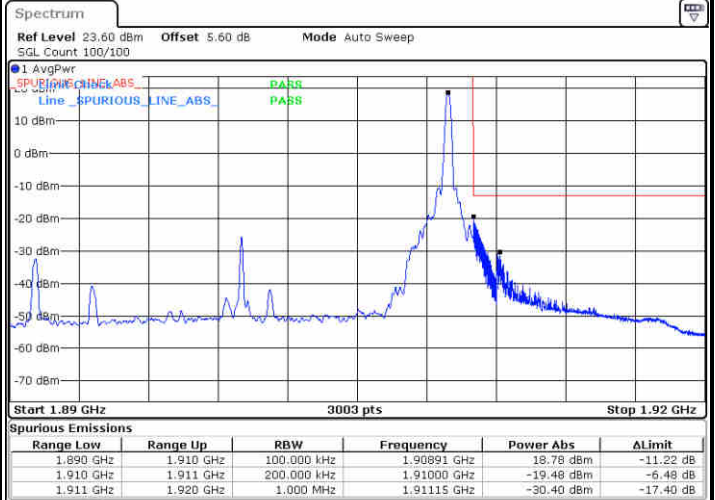
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



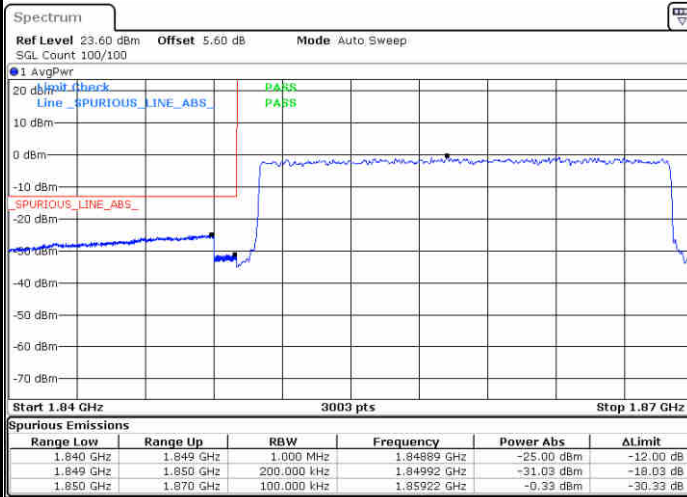
Date: 10.MAR.2020 17:17:55

Highest Band Edge / 1 RB



Date: 10.MAR.2020 17:21:17

Lowest Band Edge / Full RB



Date: 10.MAR.2020 17:19:03

Highest Band Edge / Full RB



Date: 10.MAR.2020 17:20:10



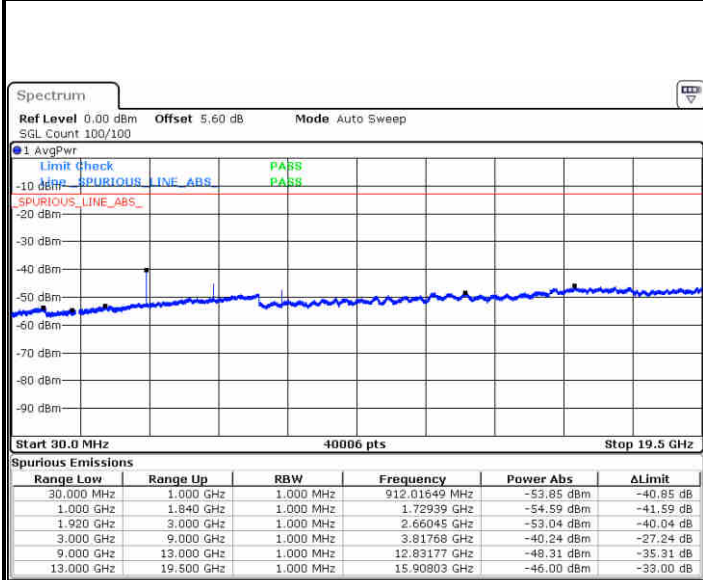
Conducted Spurious Emission





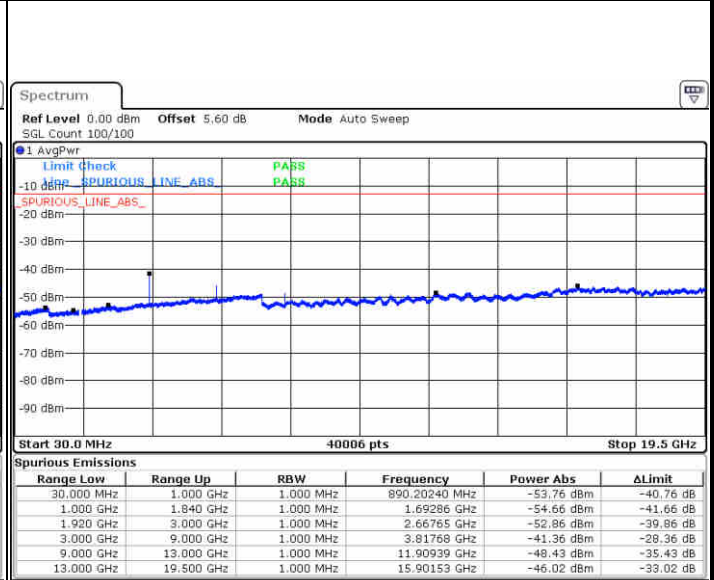
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 4 FEB 2020 08:40:53

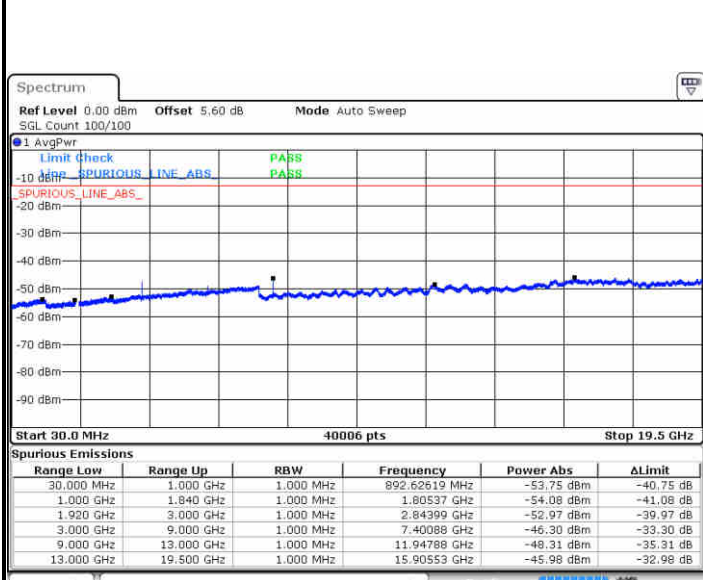
Highest Channel / 16QAM



Date: 4 FEB 2020 08:41:47

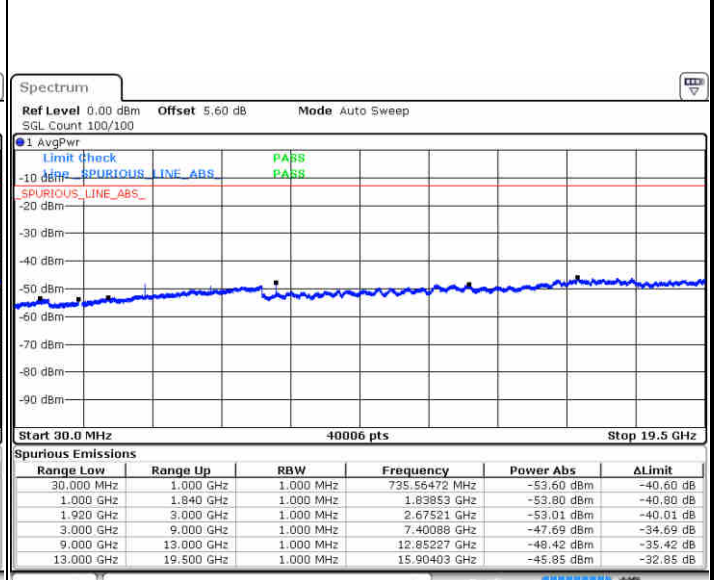
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 4 FEB 2020 08:47:53

Lowest Channel / 16QAM

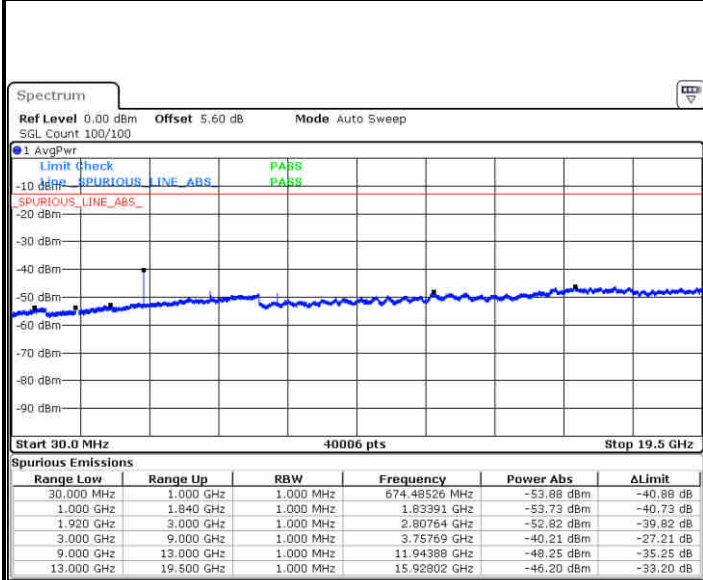


Date: 4 FEB 2020 08:48:48



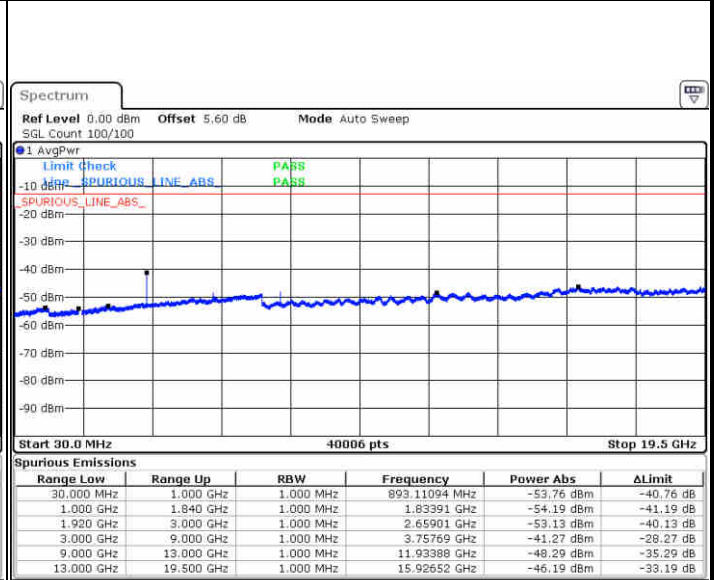
LTE Band 2 / 3MHz

Middle Channel / QPSK



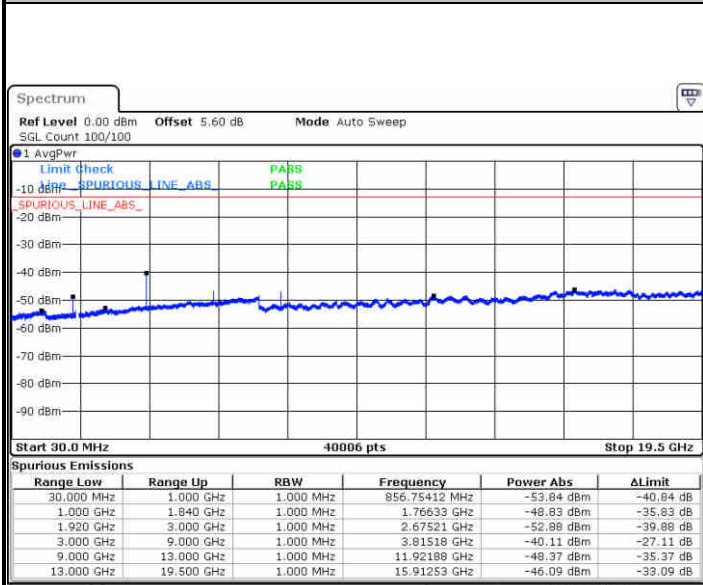
Date: 4 FEB 2020 08:50:24

Middle Channel / 16QAM



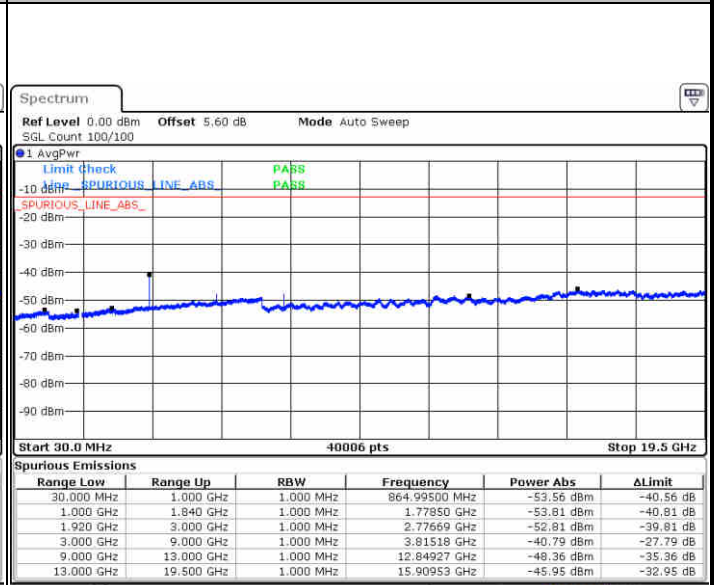
Date: 4 FEB 2020 08:51:19

Highest Channel / QPSK



Date: 4 FEB 2020 08:57:25

Highest Channel / 16QAM

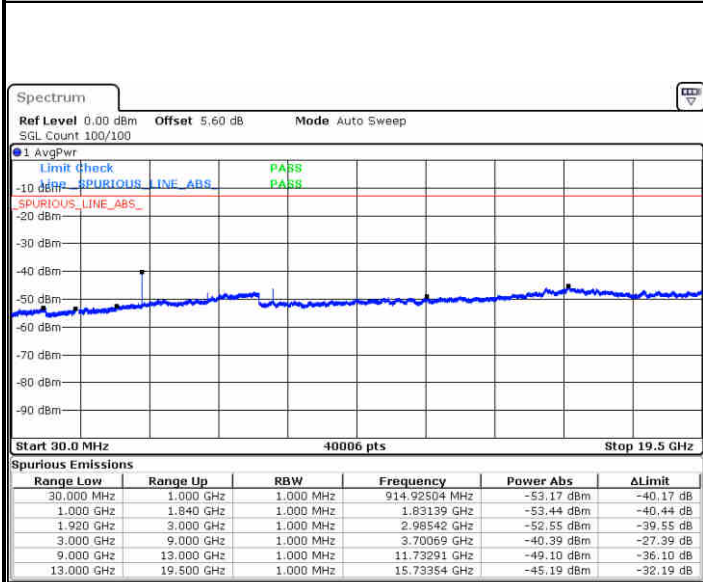


Date: 4 FEB 2020 08:58:20



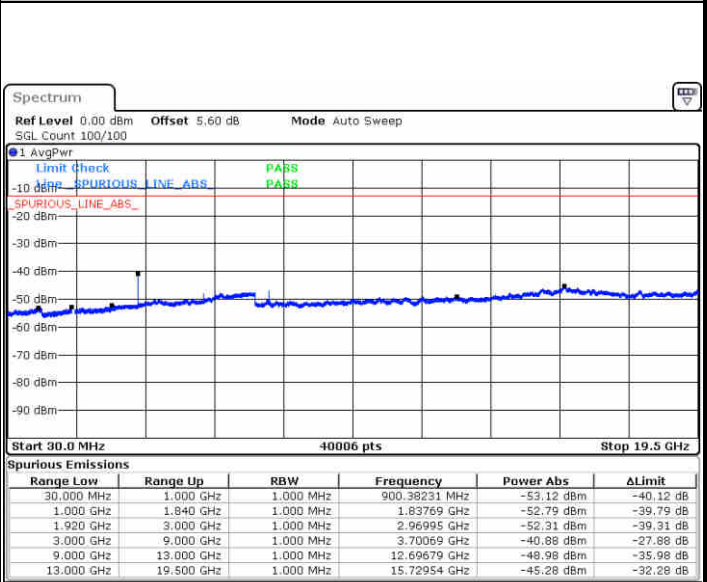
LTE Band 2 / 5MHz

Lowest Channel / QPSK



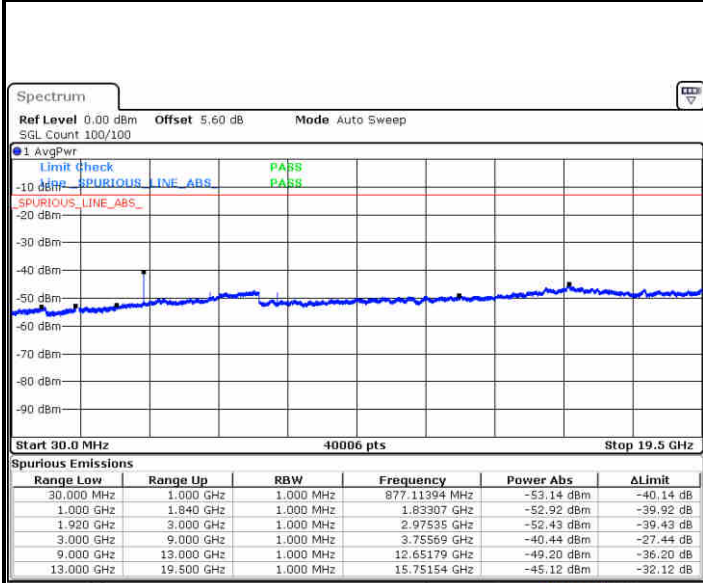
Date: 3 FEB 2020 23:59:13

Lowest Channel / 16QAM



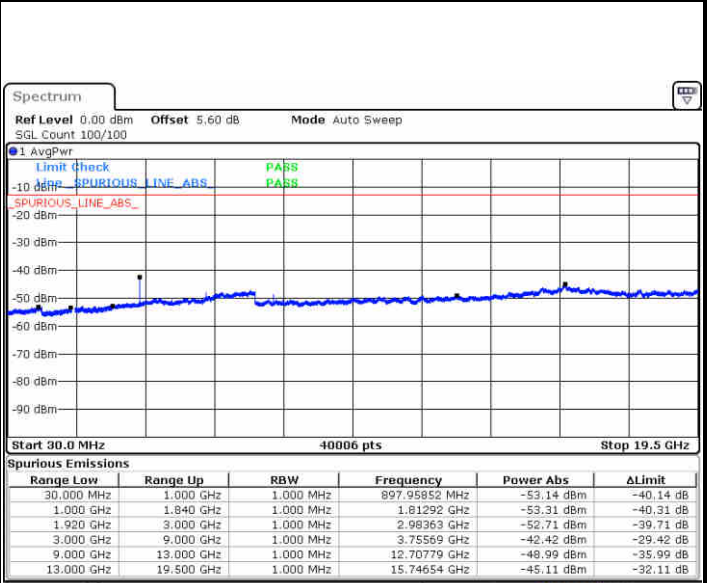
Date: 4 FEB 2020 00:00:08

Middle Channel / QPSK



Date: 4 FEB 2020 00:01:43

Middle Channel / 16QAM

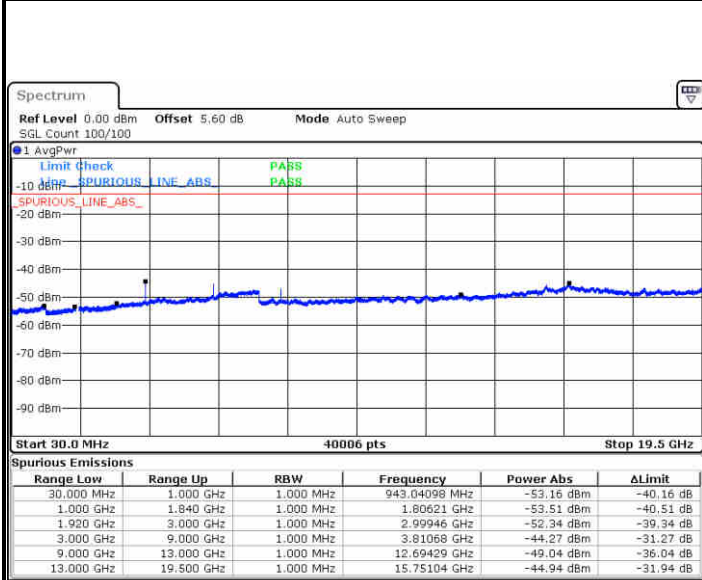


Date: 4 FEB 2020 00:02:38



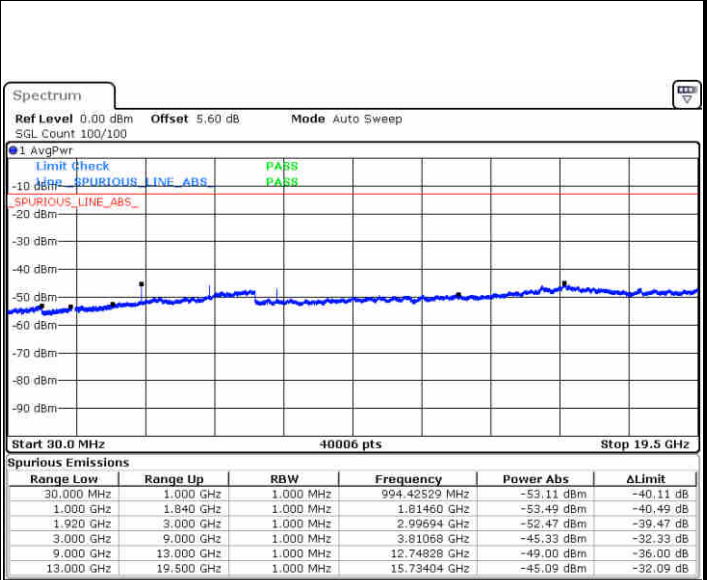
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 4 FEB 2020 00:08:43

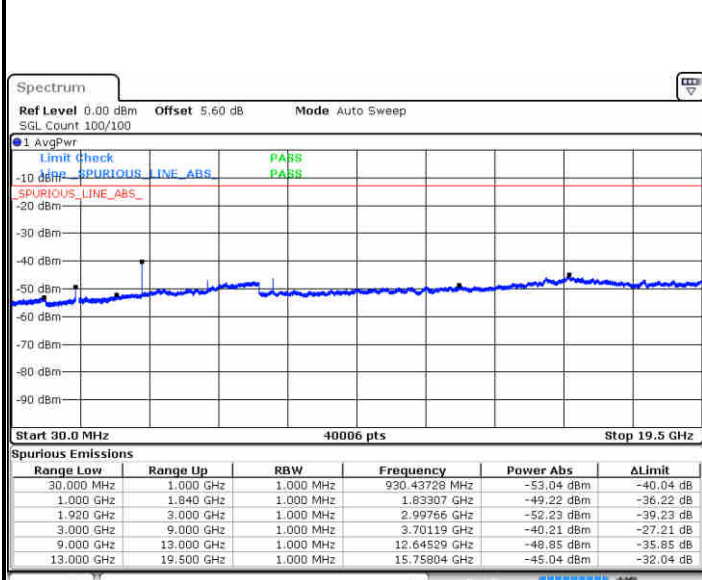
Highest Channel / 16QAM



Date: 4 FEB 2020 00:09:38

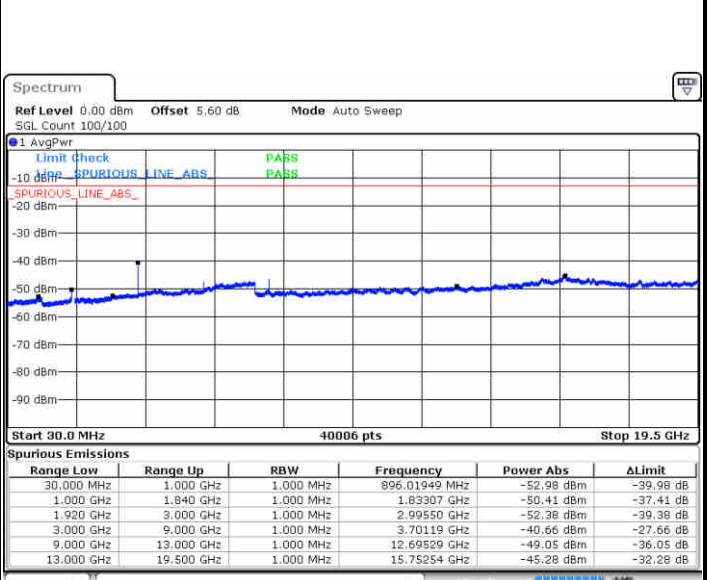
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 4 FEB 2020 00:15:43

Lowest Channel / 16QAM

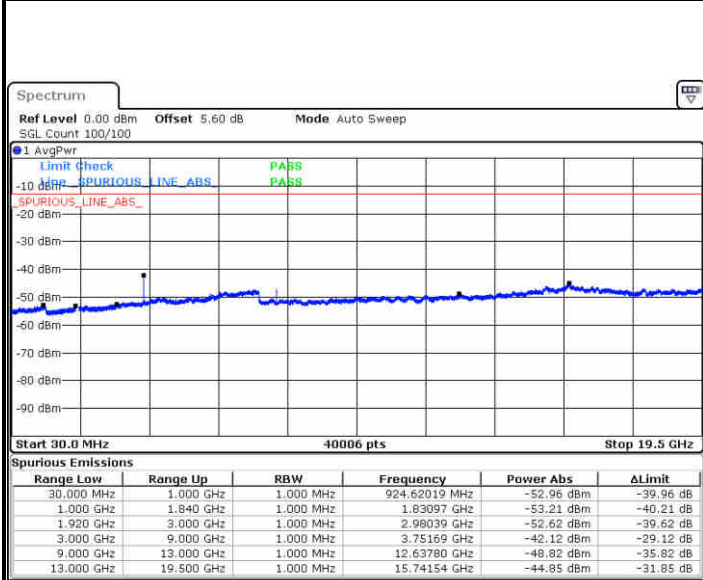


Date: 4 FEB 2020 00:16:38



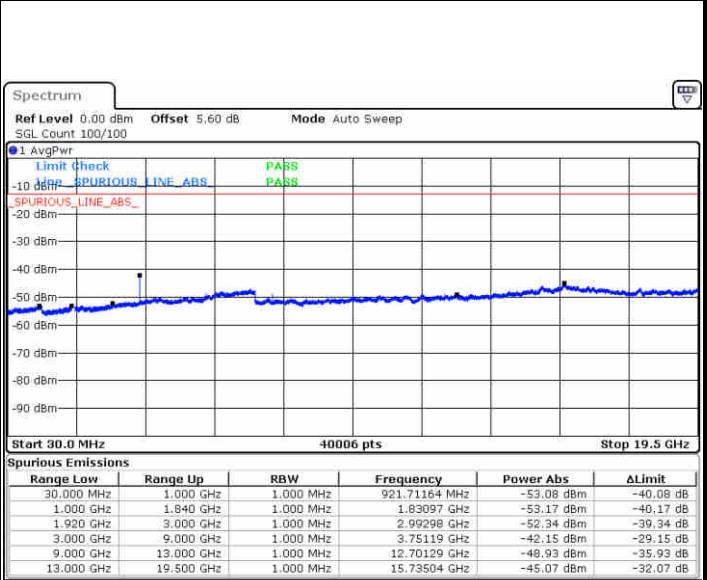
LTE Band 2 / 10MHz

Middle Channel / QPSK



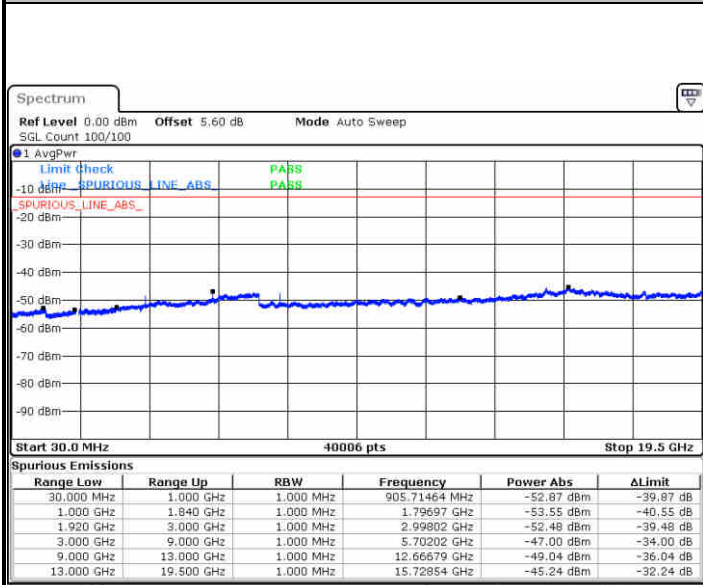
Date: 4 FEB 2020 00:18:13

Middle Channel / 16QAM



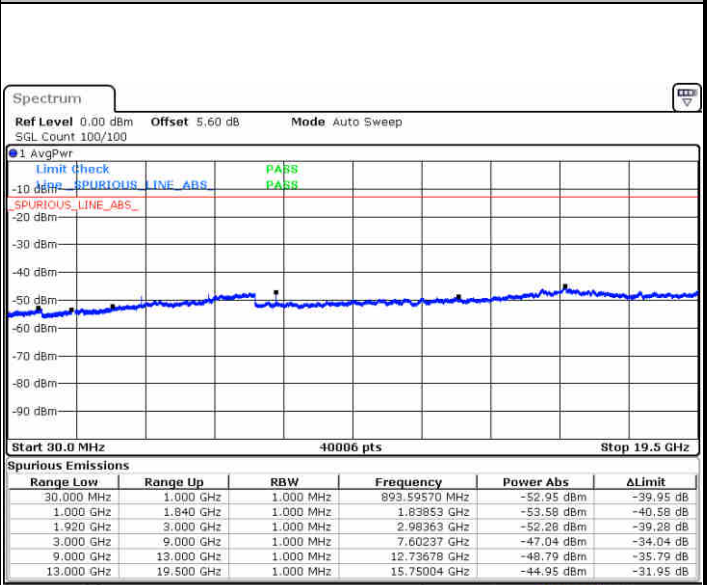
Date: 4 FEB 2020 00:19:08

Highest Channel / QPSK



Date: 4 FEB 2020 00:25:14

Highest Channel / 16QAM



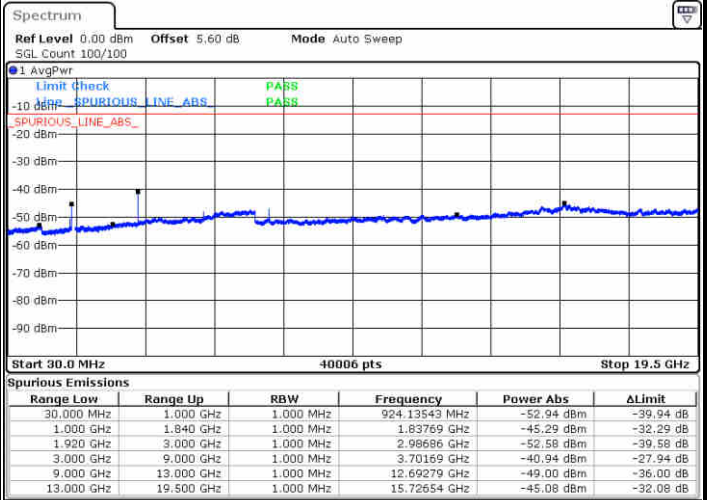
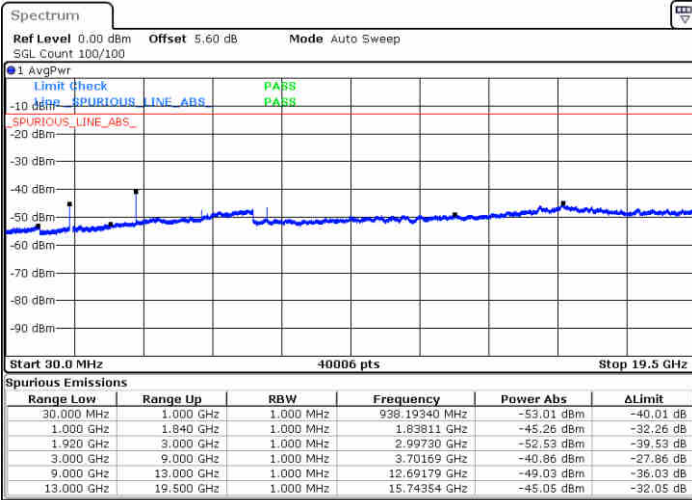
Date: 4 FEB 2020 00:26:09



LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

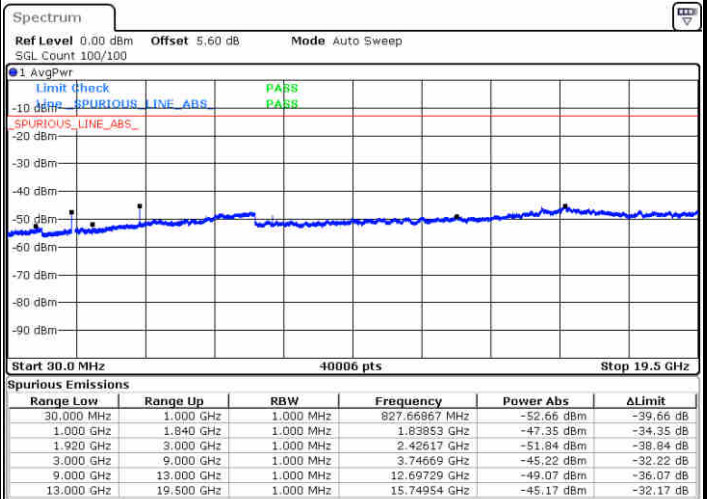
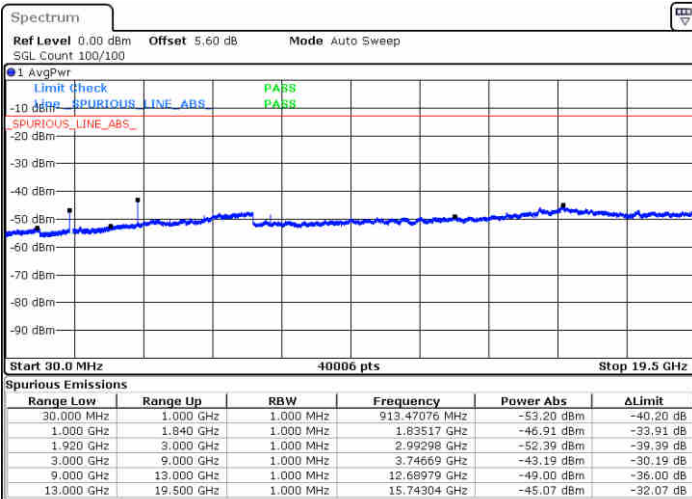


Date: 4 FEB 2020 00:32:14

Date: 4 FEB 2020 00:33:09

Middle Channel / QPSK

Middle Channel / 16QAM



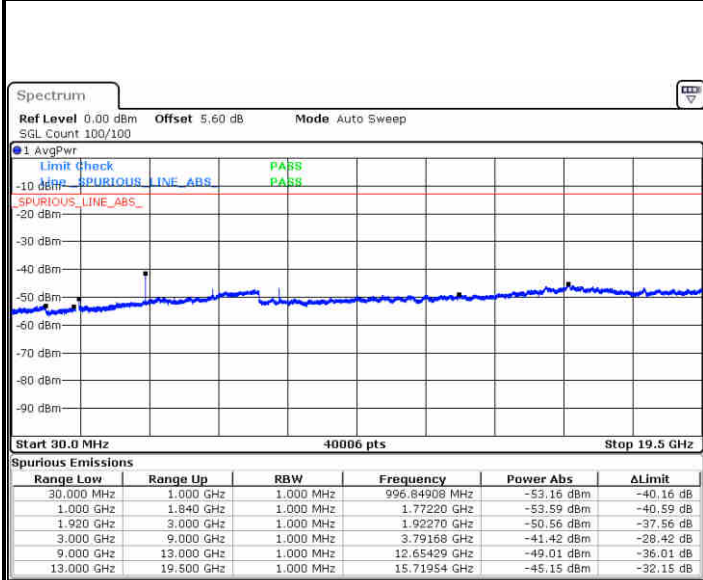
Date: 4 FEB 2020 00:34:44

Date: 4 FEB 2020 00:35:39



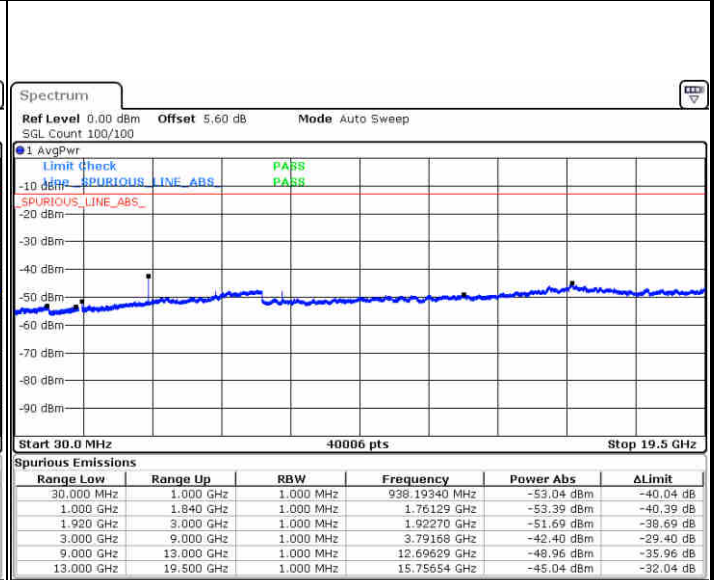
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 4 FEB 2020 00:41:44

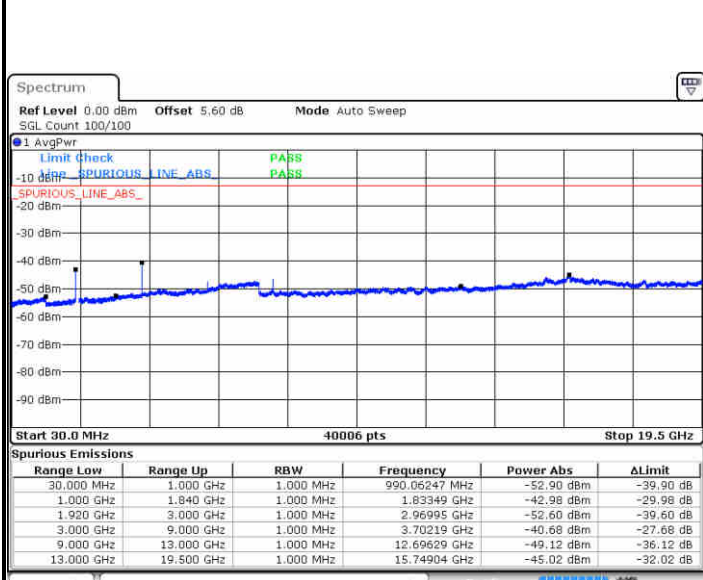
Highest Channel / 16QAM



Date: 4 FEB 2020 00:42:39

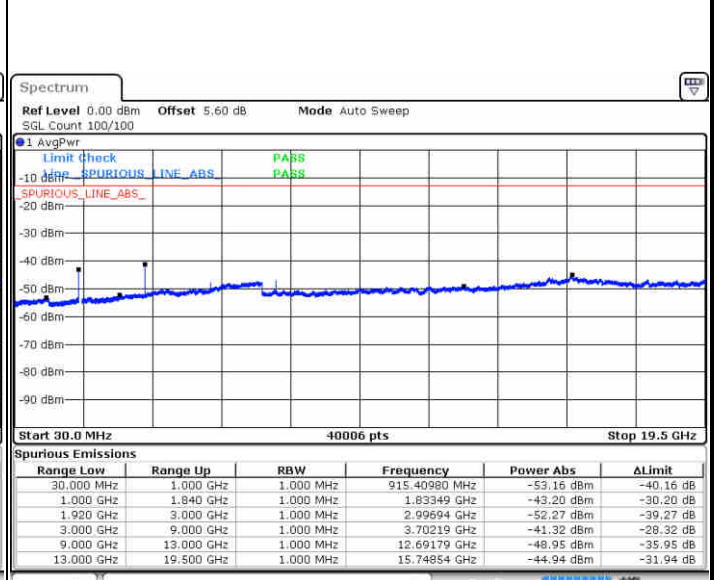
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 4 FEB 2020 00:48:45

Lowest Channel / 16QAM

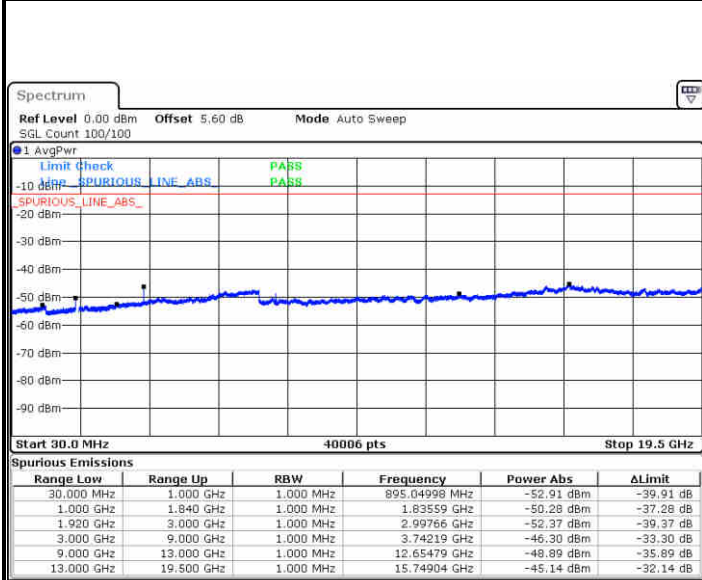


Date: 4 FEB 2020 00:49:40



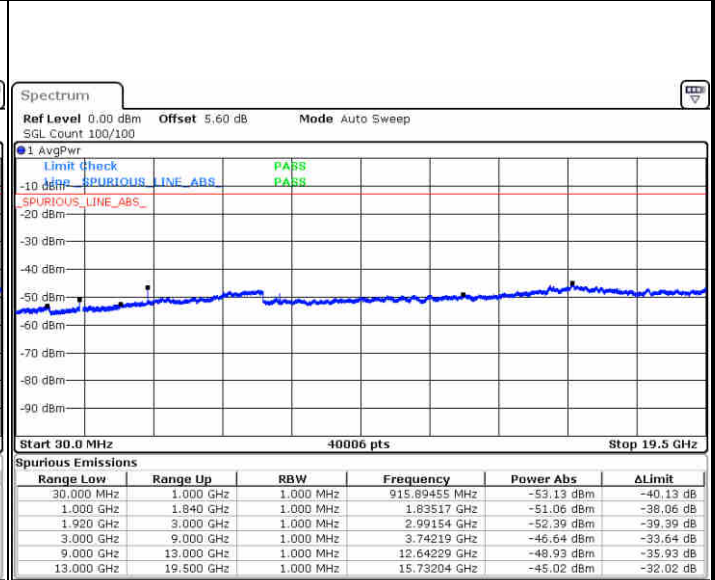
LTE Band 2 / 20MHz

Middle Channel / QPSK



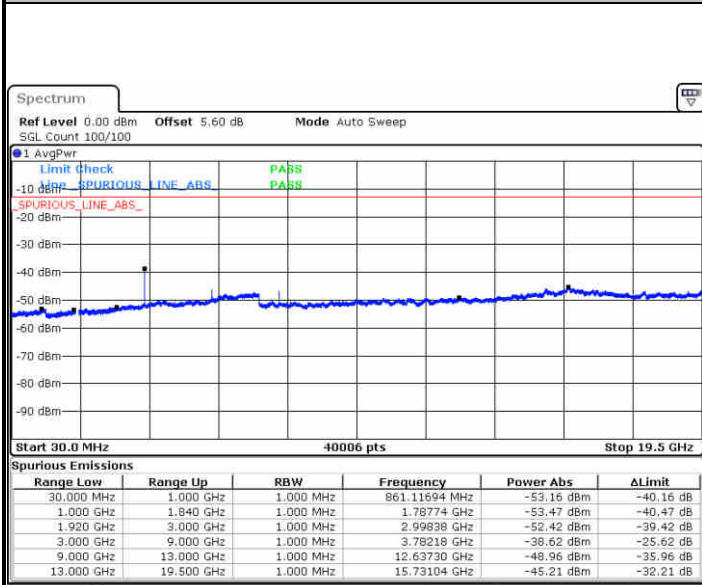
Date: 4 FEB 2020 00:51:15

Middle Channel / 16QAM



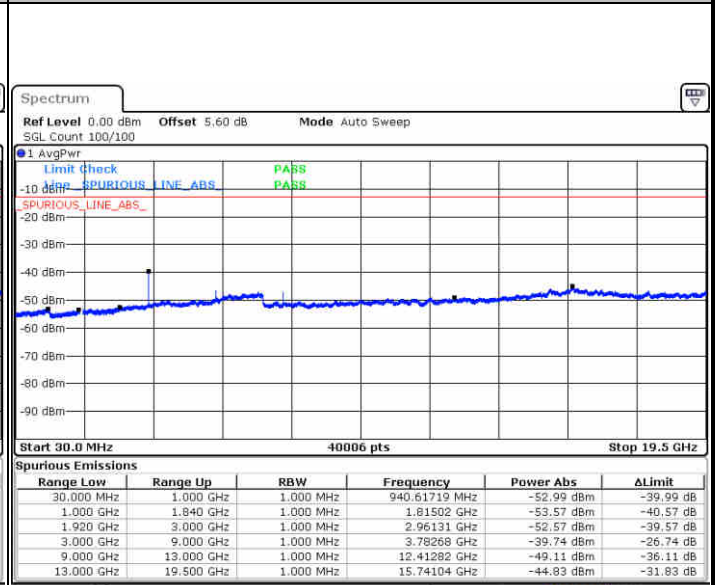
Date: 4 FEB 2020 00:52:10

Highest Channel / QPSK



Date: 4 FEB 2020 00:58:15

Highest Channel / 16QAM



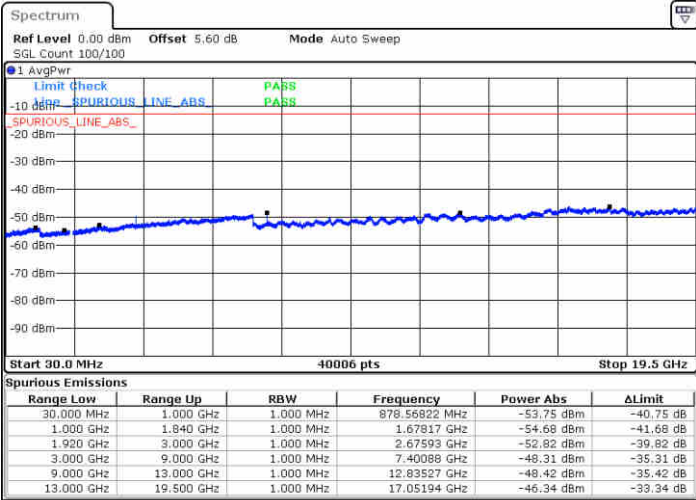
Date: 4 FEB 2020 00:58:10



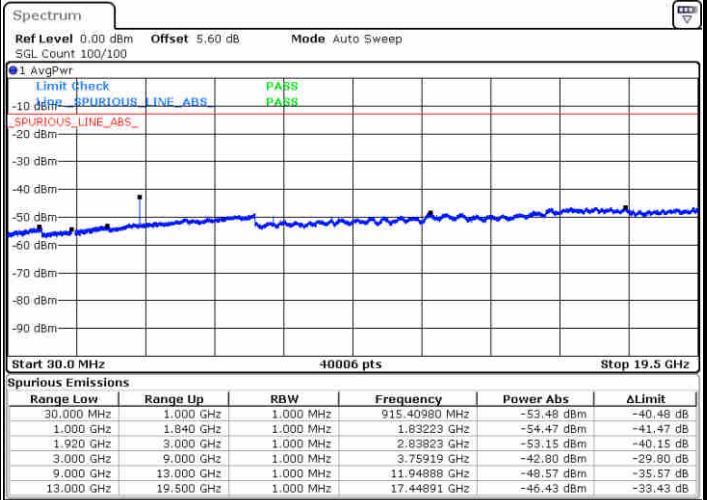
LTE Band 2 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

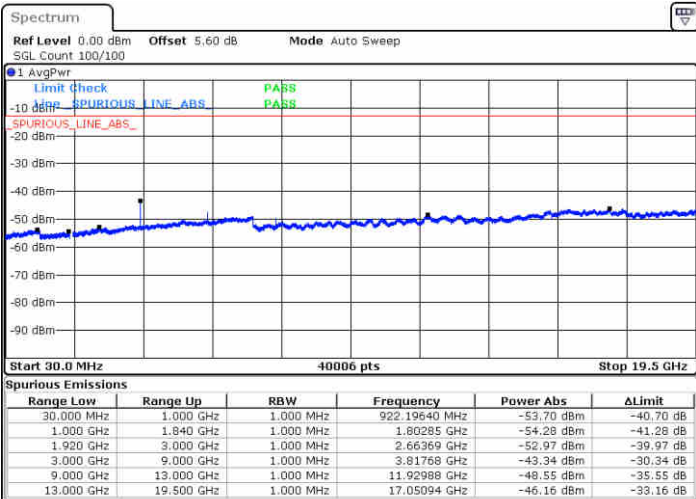


Date: 10 MAR 2020 17:22:11

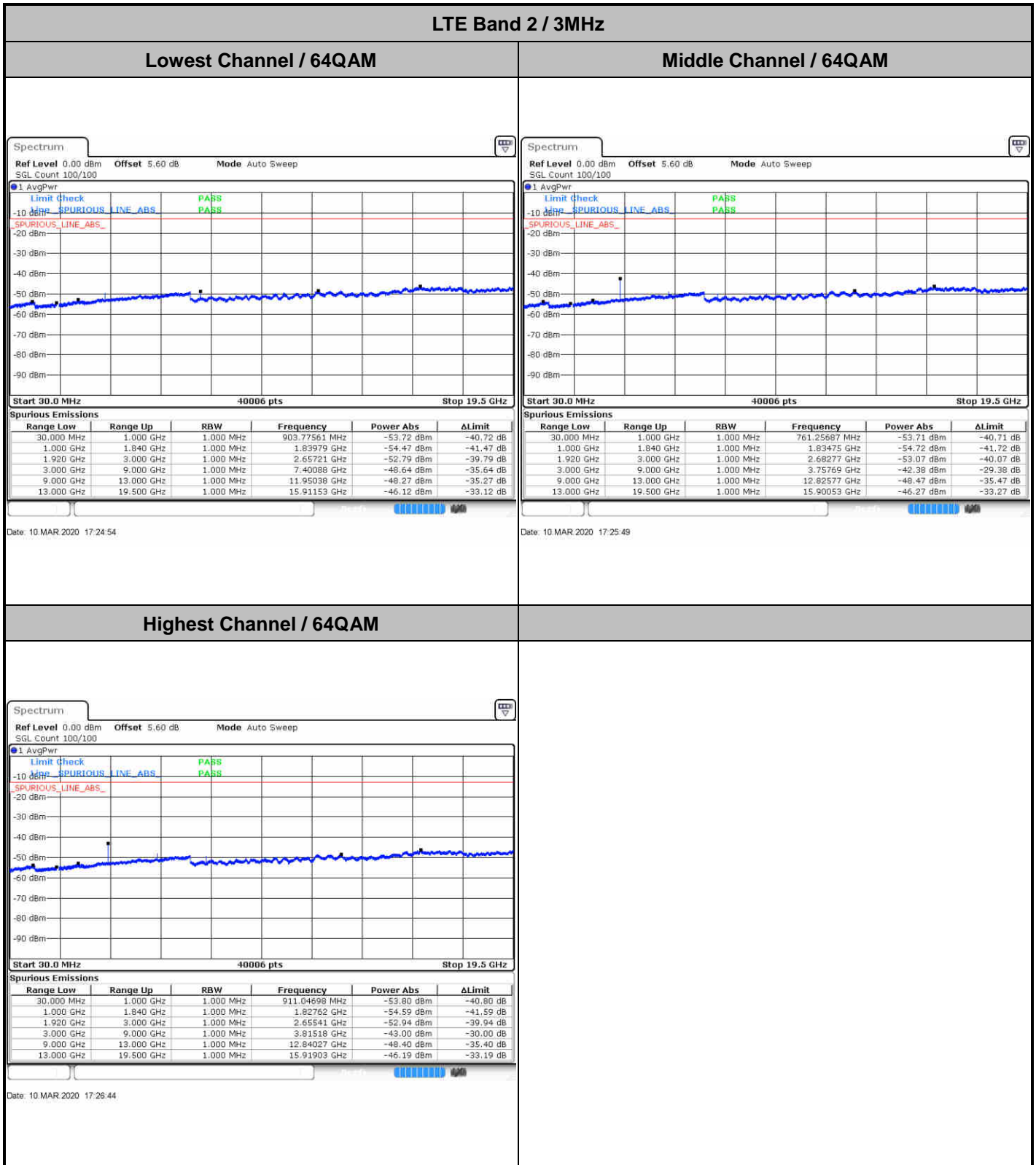


Date: 10 MAR 2020 17:23:05

Highest Channel / 64QAM



Date: 10 MAR 2020 17:24:00

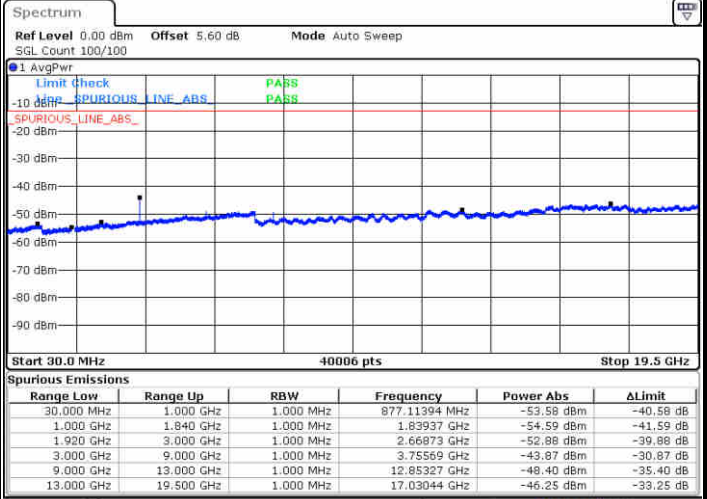
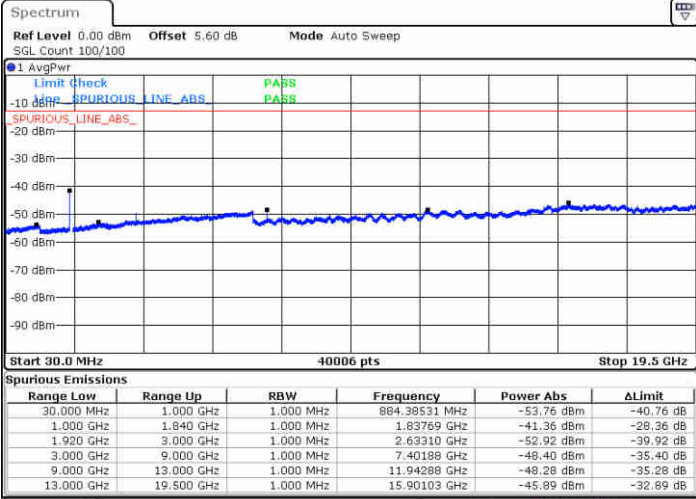




LTE Band 2 / 5MHz

Lowest Channel / 64QAM

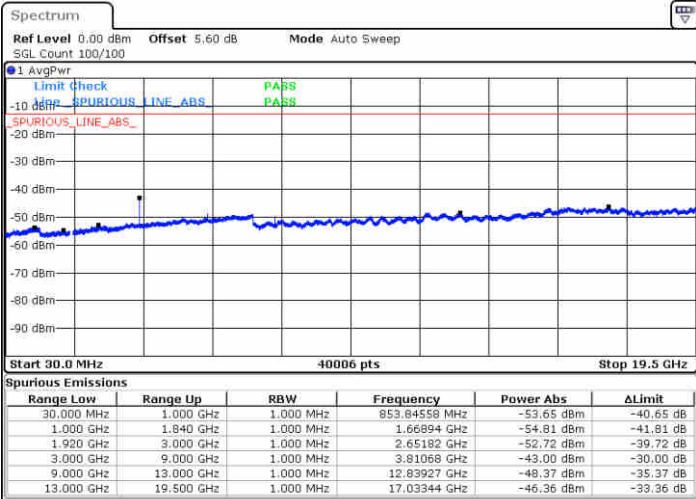
Middle Channel / 64QAM



Date: 10 MAR 2020 17:27:38

Date: 10 MAR 2020 17:28:33

Highest Channel / 64QAM



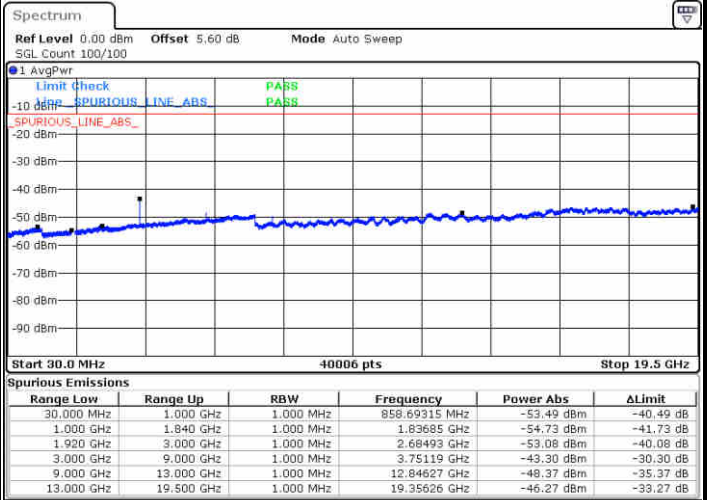
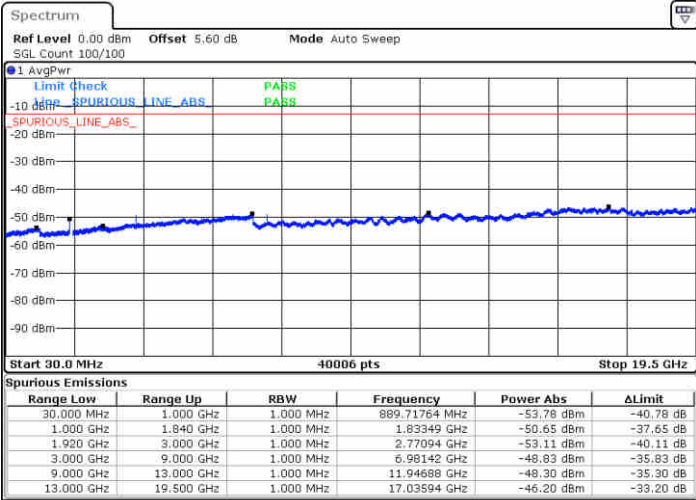
Date: 10 MAR 2020 17:29:27



LTE Band 2 / 10MHz

Lowest Channel / 64QAM

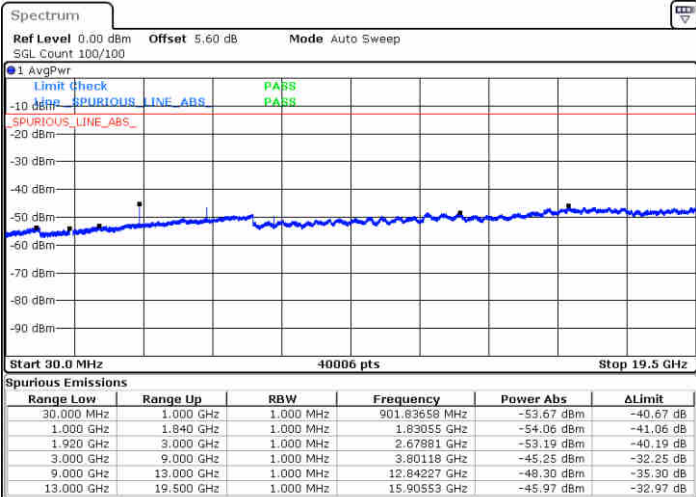
Middle Channel / 64QAM



Date: 10 MAR 2020 17:30:22

Date: 10 MAR 2020 17:31:17

Highest Channel / 64QAM



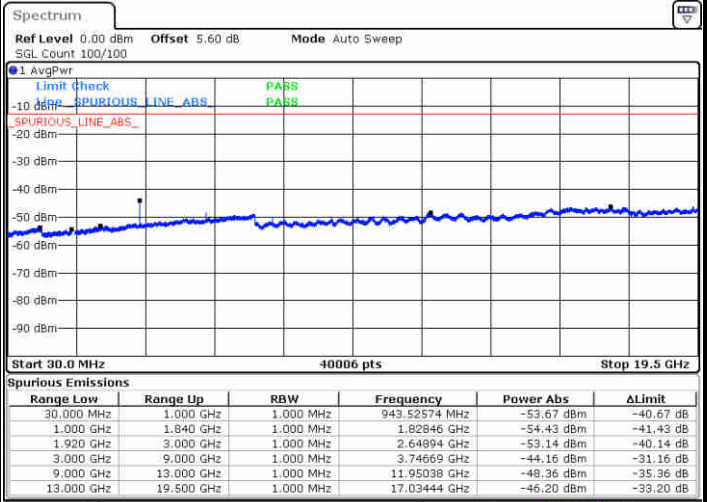
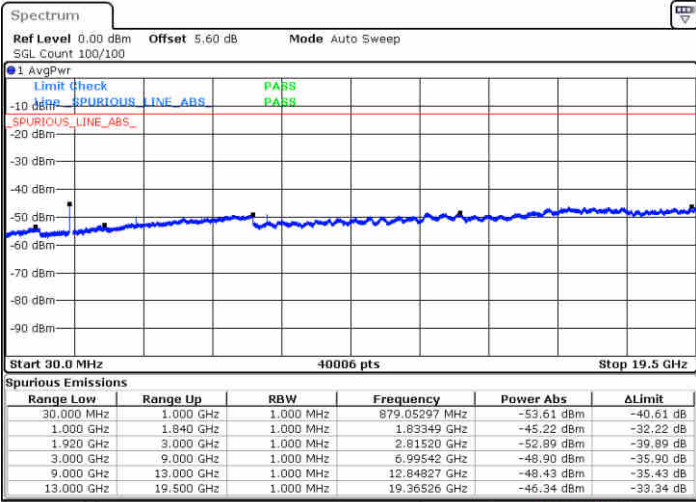
Date: 10 MAR 2020 17:32:11



LTE Band 2 / 15MHz

Lowest Channel / 64QAM

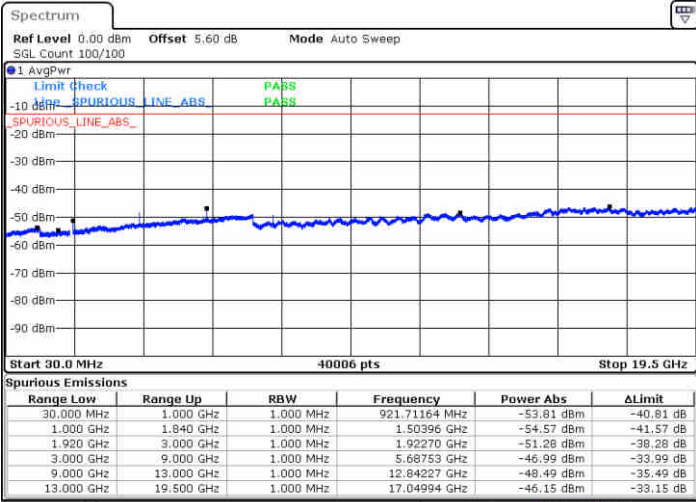
Middle Channel / 64QAM



Date: 10 MAR 2020 17:33:06

Date: 10 MAR 2020 17:34:00

Highest Channel / 64QAM



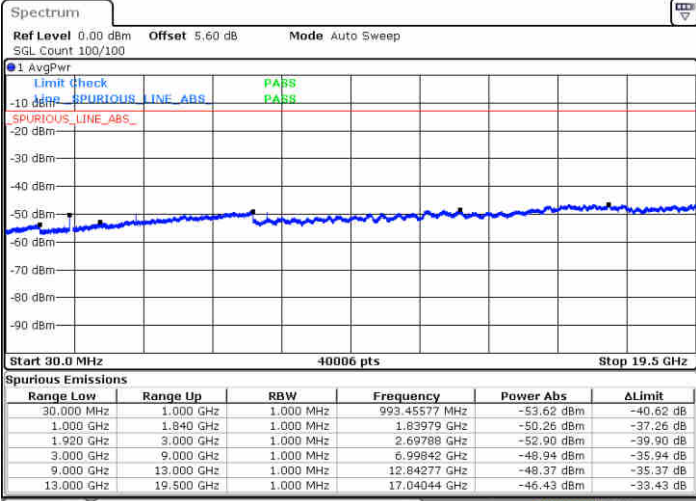
Date: 10 MAR 2020 17:34:55



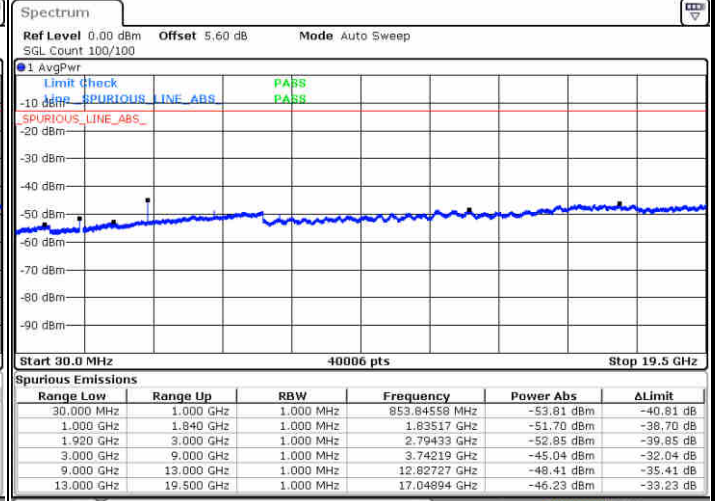
LTE Band 2 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

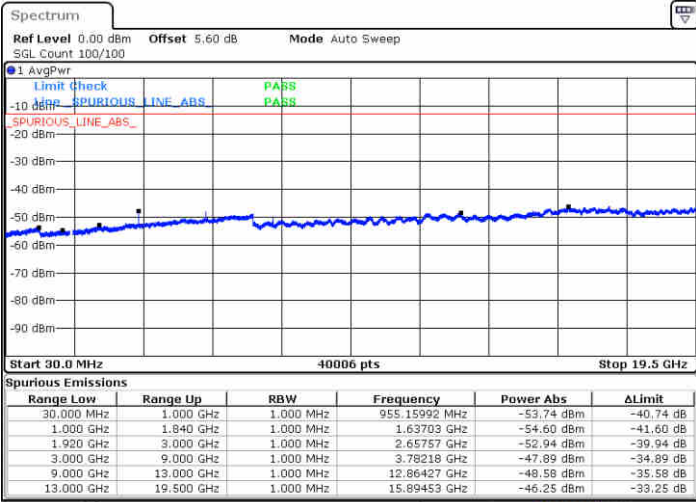


Date: 10 MAR 2020 17:35:49



Date: 10 MAR 2020 17:36:44

Highest Channel / 64QAM



Date: 10 MAR 2020 17:37:39



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	0.0003	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 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	4.35	4.96	5.57	5.71	PASS
Middle CH	4.61	5.10	5.39	5.88	
Highest CH	4.55	5.10	5.80	5.86	
Mode	LTE Band 5 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.71	6.00	-	-	PASS
Middle CH	5.39	6.00	-	-	
Highest CH	5.80	6.06	-	-	



LTE Band 5 / 10MHz / QPSK

Lowest Channel / 1RB



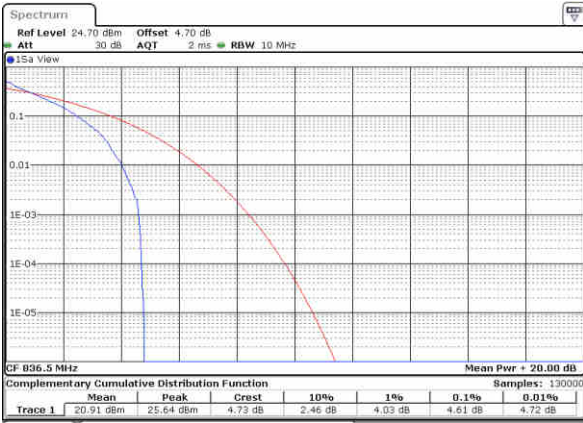
Date: 4 FEB 2020 08:45:27

Lowest Channel / Full RB



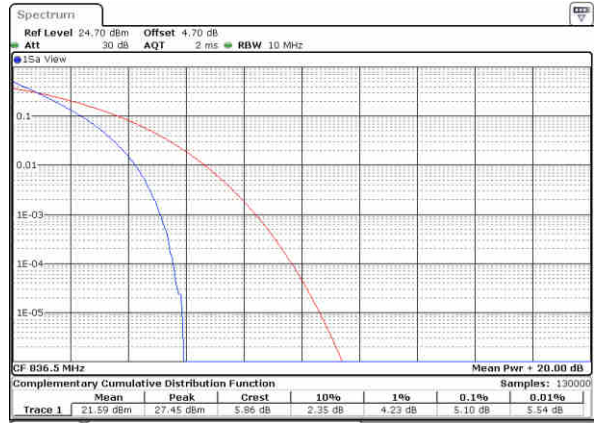
Date: 4 FEB 2020 08:45:36

Middle Channel / 1RB



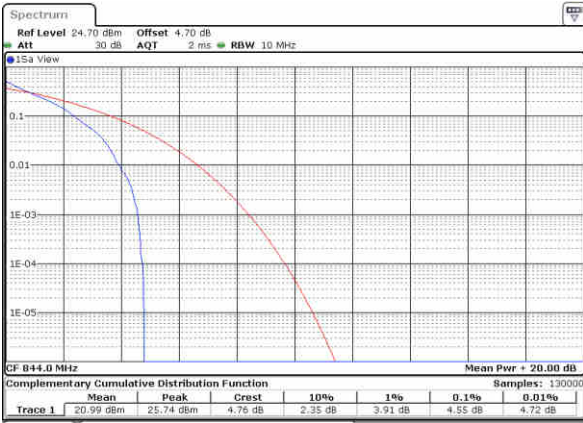
Date: 4 FEB 2020 08:45:17

Middle Channel / Full RB



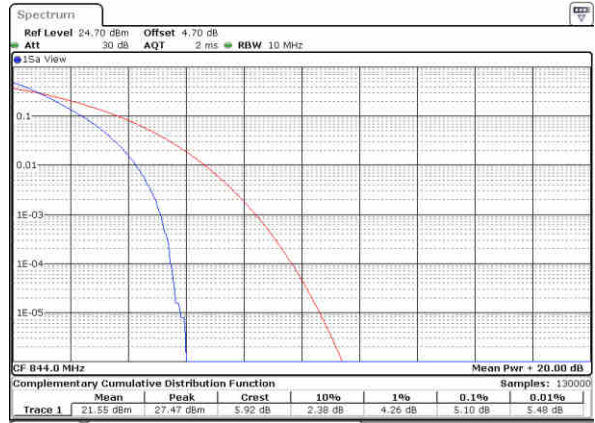
Date: 4 FEB 2020 08:45:06

Highest Channel / 1RB



Date: 4 FEB 2020 08:44:49

Highest Channel / Full RB



Date: 4 FEB 2020 08:44:59