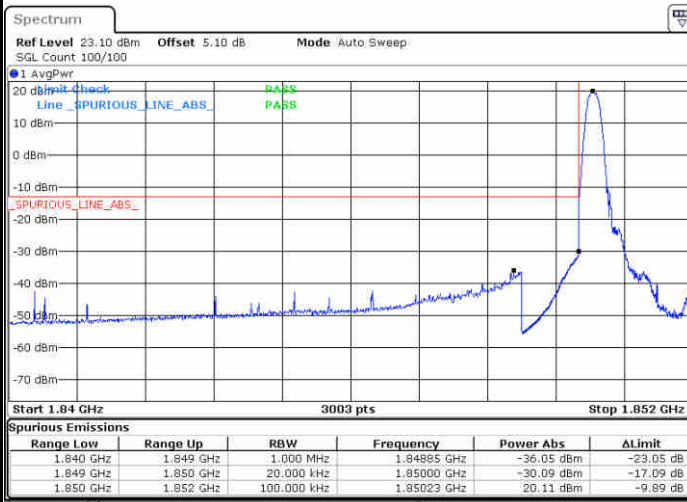




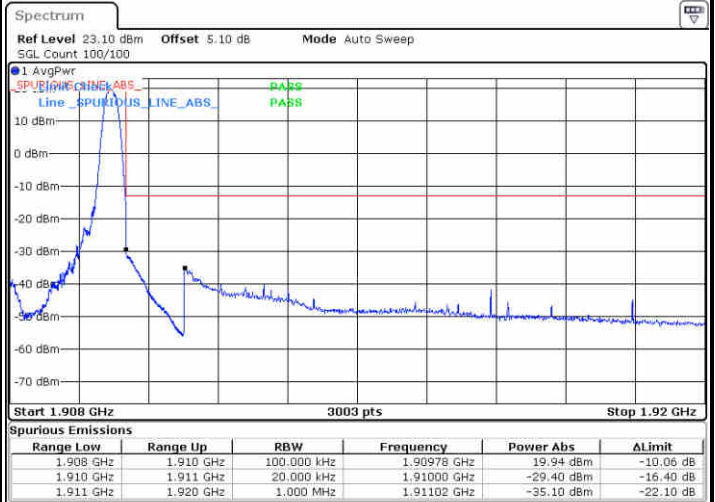
LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



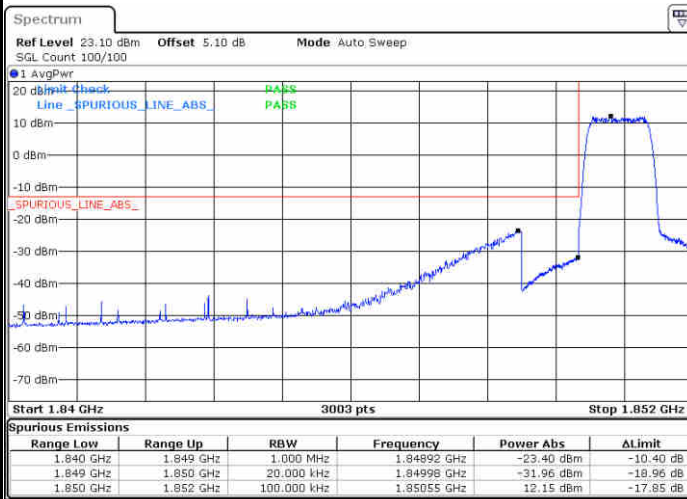
Date: 25 JUN 2020 09:28:07

Highest Band Edge / 1 RB



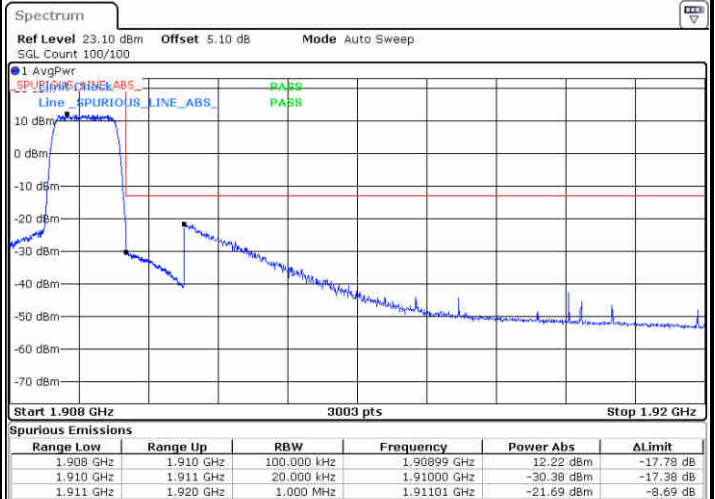
Date: 25 JUN 2020 09:37:39

Lowest Band Edge / Full RB



Date: 25 JUN 2020 09:30:24

Highest Band Edge / Full RB

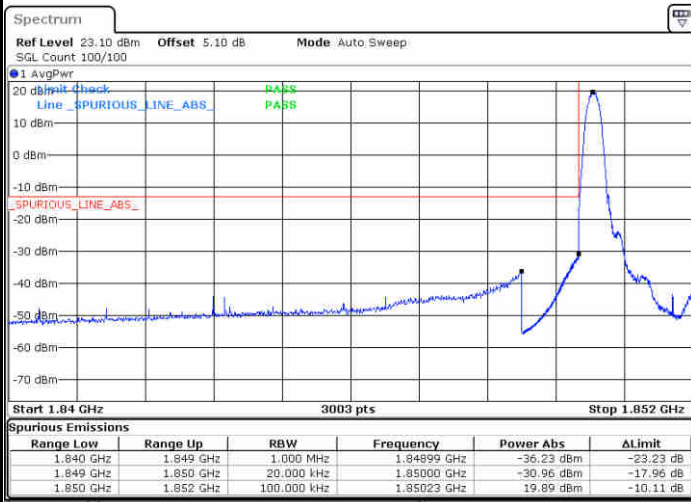


Date: 25 JUN 2020 09:39:56



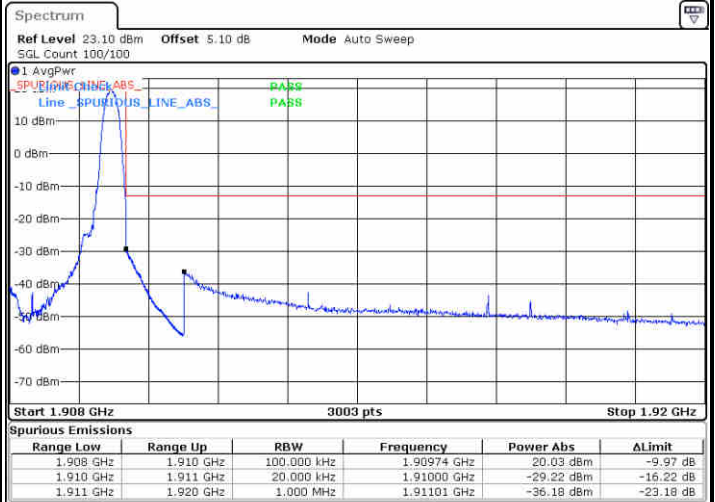
LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



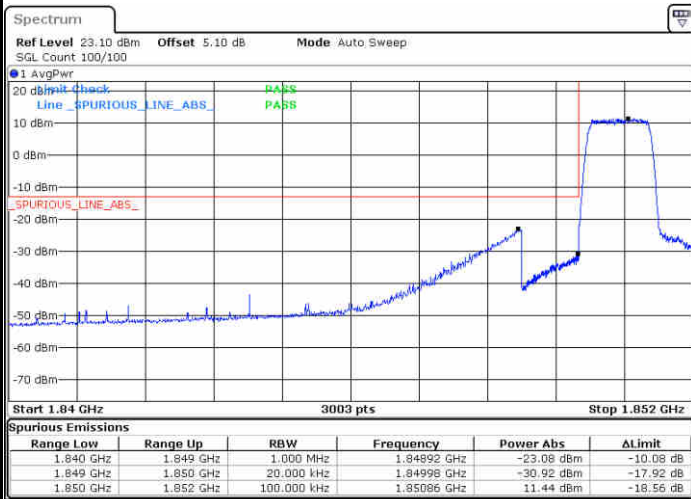
Date: 25 JUN 2020 10:01:01

Highest Band Edge / 1 RB



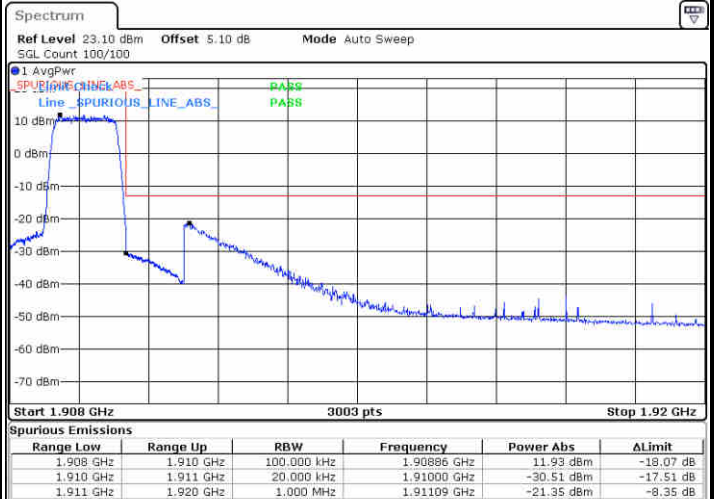
Date: 25 JUN 2020 10:03:18

Lowest Band Edge / Full RB



Date: 25 JUN 2020 10:02:09

Highest Band Edge / Full RB

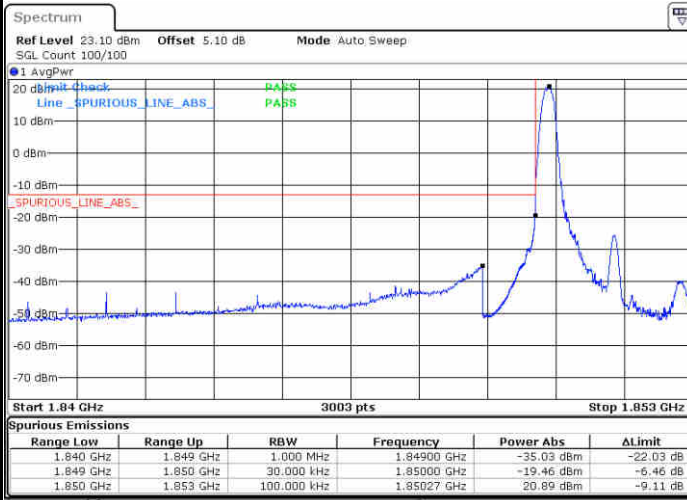


Date: 25 JUN 2020 10:04:26



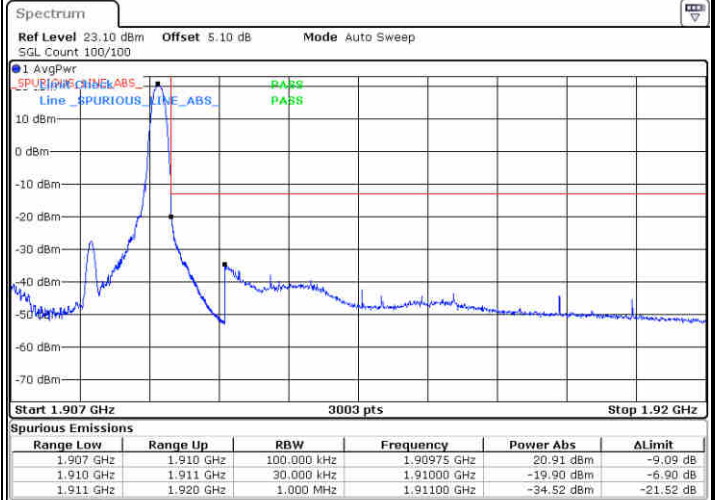
LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB



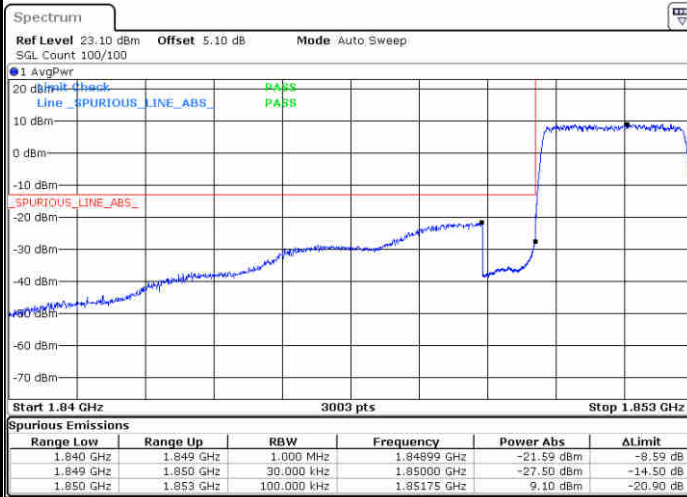
Date: 25 JUN 2020 09:43:34

Highest Band Edge / 1 RB



Date: 25 JUN 2020 09:53:06

Lowest Band Edge / Full RB



Date: 25 JUN 2020 09:45:51

Highest Band Edge / Full RB

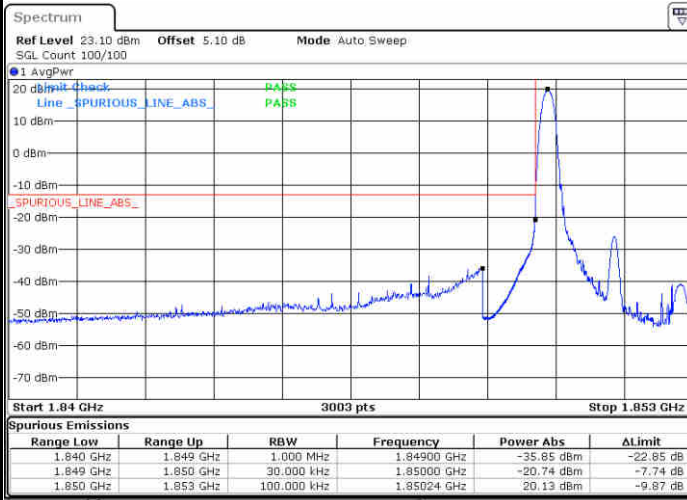


Date: 25 JUN 2020 09:55:23



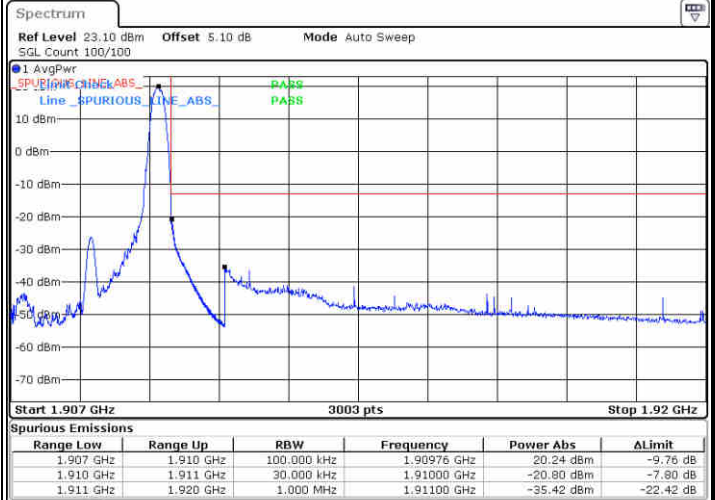
LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



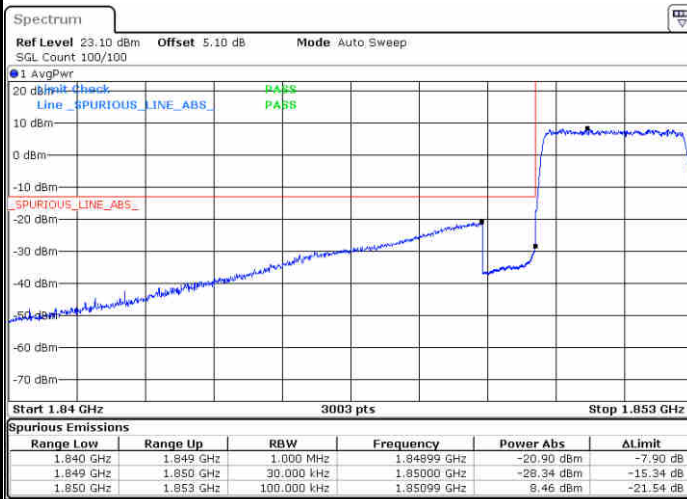
Date: 25 JUN 2020 09:44:42

Highest Band Edge / 1 RB



Date: 25 JUN 2020 09:54:15

Lowest Band Edge / Full RB



Date: 25 JUN 2020 09:47:00

Highest Band Edge / Full RB

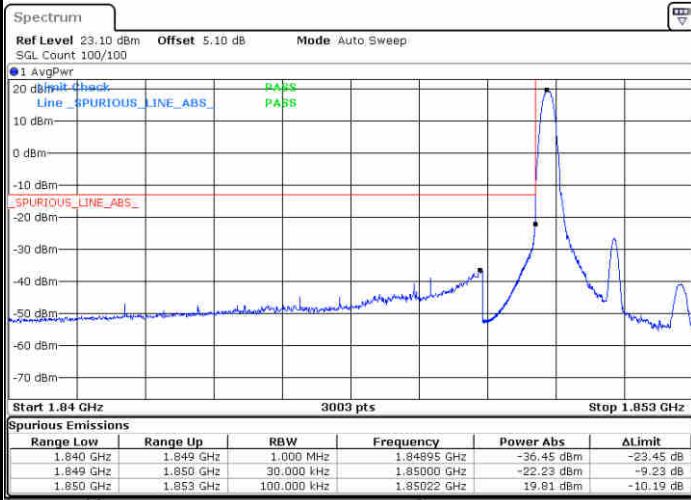


Date: 25 JUN 2020 09:56:32



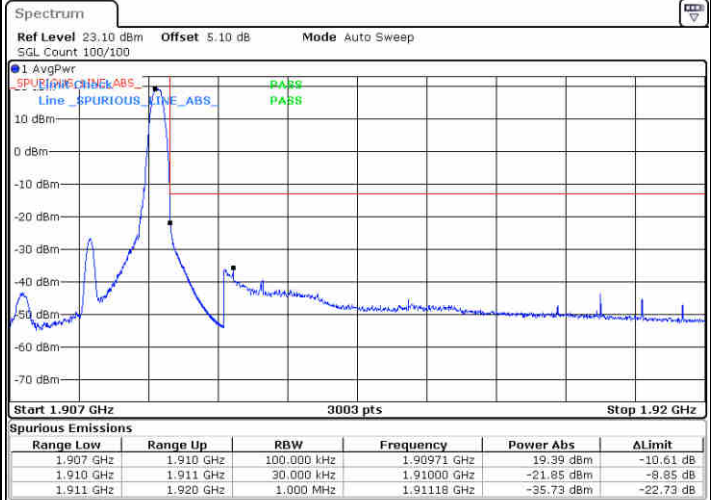
LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



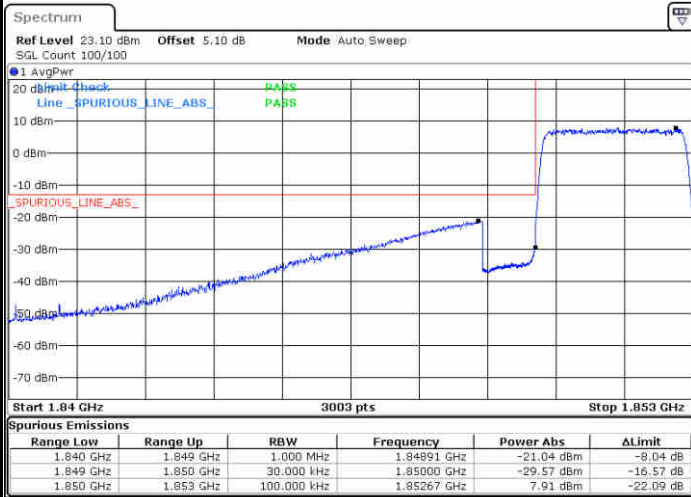
Date: 25 JUN 2020 10:05:34

Highest Band Edge / 1 RB



Date: 25 JUN 2020 10:08:58

Lowest Band Edge / Full RB



Date: 25 JUN 2020 10:06:42

Highest Band Edge / Full RB

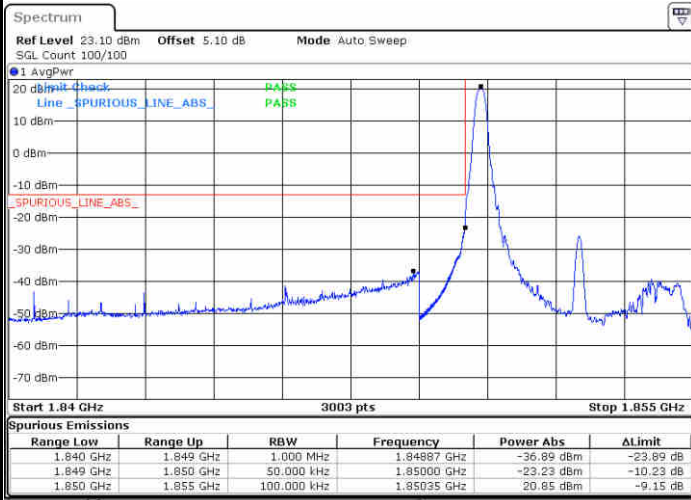


Date: 25 JUN 2020 10:07:50



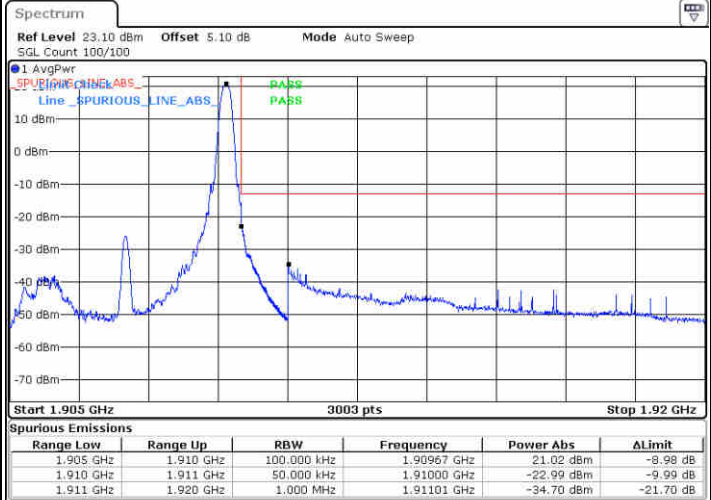
LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB



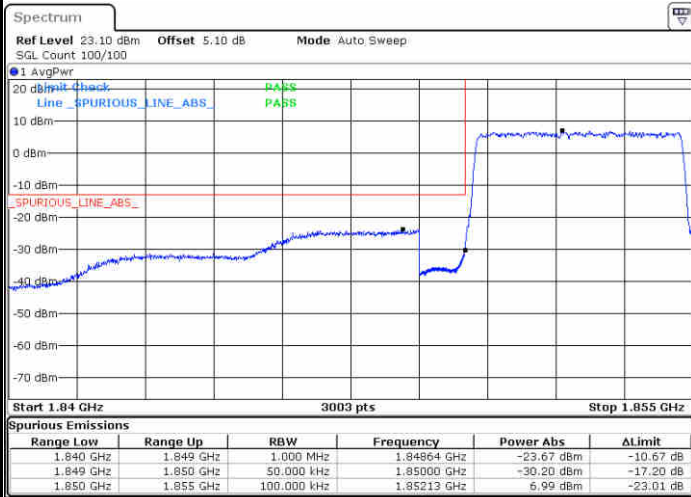
Date: 25 JUN 2020 10:00:09

Highest Band Edge / 1 RB



Date: 25 JUN 2020 10:09:42

Lowest Band Edge / Full RB



Date: 25 JUN 2020 10:02:27

Highest Band Edge / Full RB

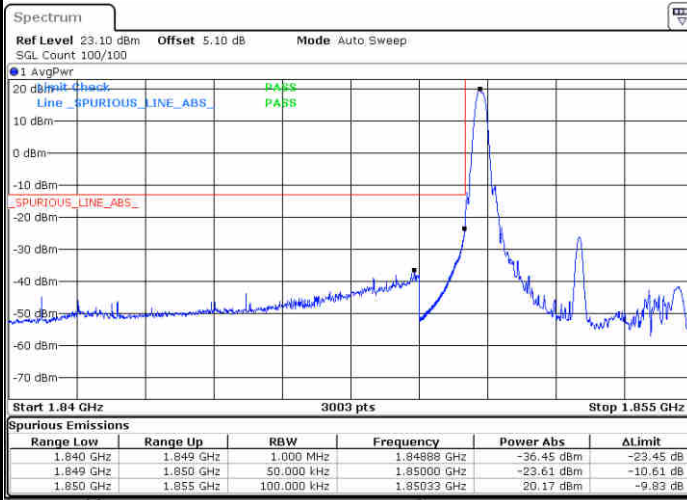


Date: 25 JUN 2020 10:11:59



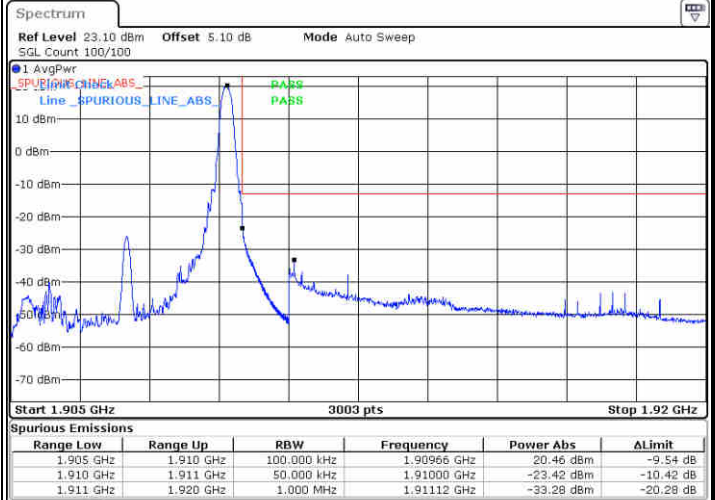
LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



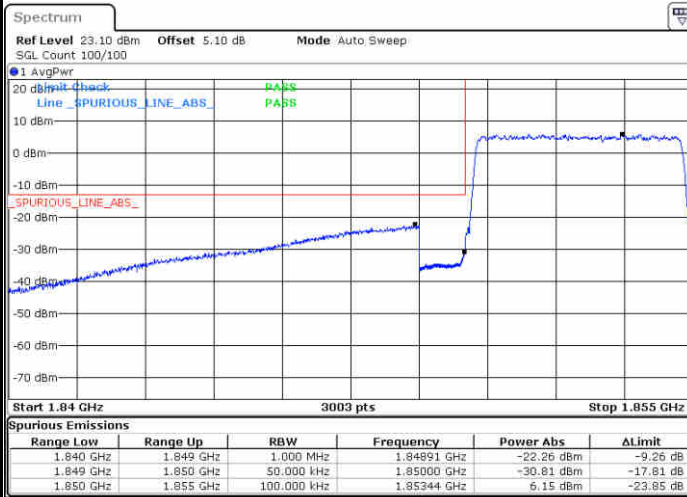
Date: 25 JUN 2020 10:01:18

Highest Band Edge / 1 RB



Date: 25 JUN 2020 10:10:51

Lowest Band Edge / Full RB



Date: 25 JUN 2020 10:03:36

Highest Band Edge / Full RB

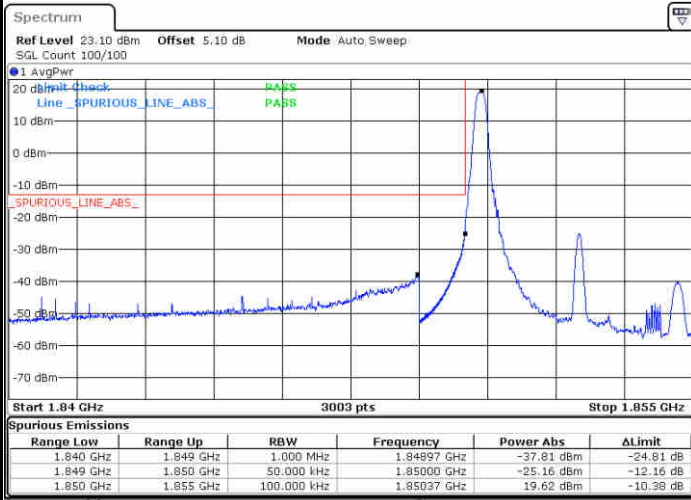


Date: 25 JUN 2020 10:13:08



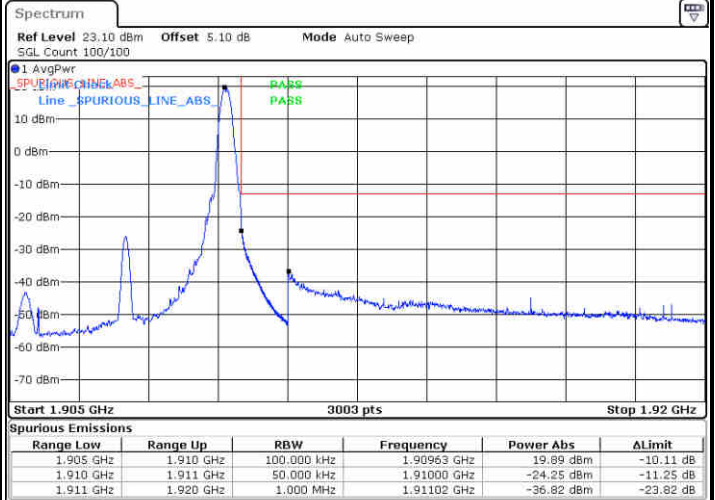
LTE Band 2 / 5MHz / 64QAM

Lowest Band Edge / 1RB



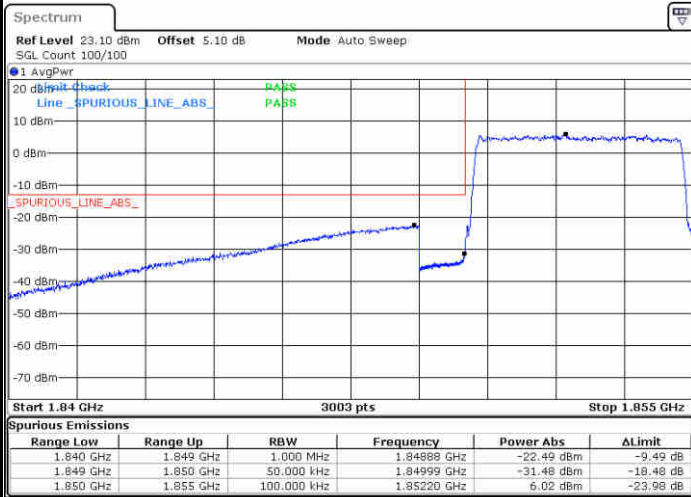
Date: 25 JUN 2020 10:10:06

Highest Band Edge / 1 RB



Date: 25 JUN 2020 10:13:30

Lowest Band Edge / Full RB



Date: 25 JUN 2020 10:11:14

Highest Band Edge / Full RB

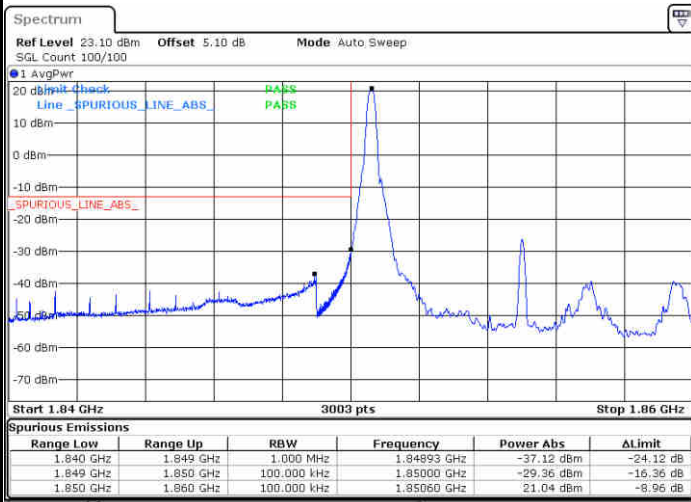


Date: 25 JUN 2020 10:12:22



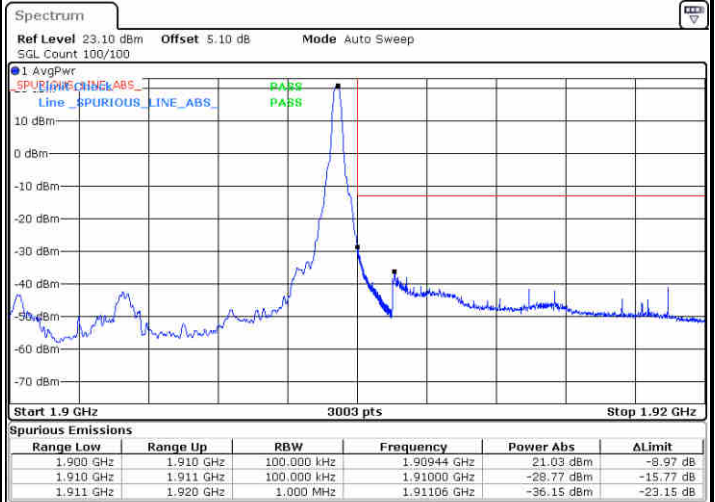
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



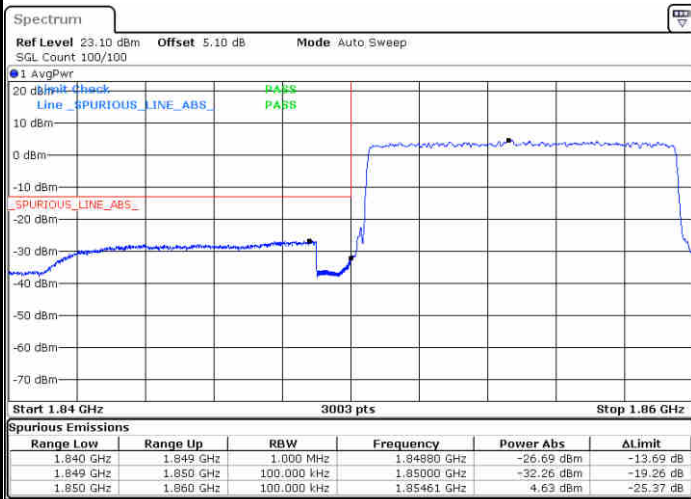
Date: 25 JUN 2020 09:03:30

Highest Band Edge / 1 RB



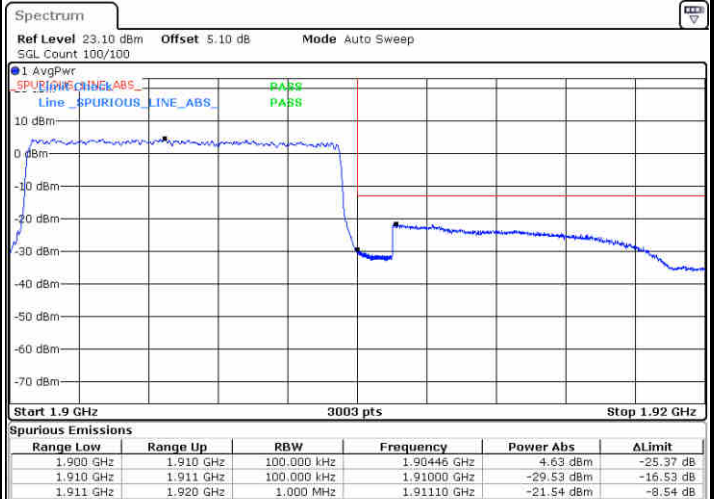
Date: 25 JUN 2020 09:13:12

Lowest Band Edge / Full RB



Date: 25 JUN 2020 09:05:17

Highest Band Edge / Full RB

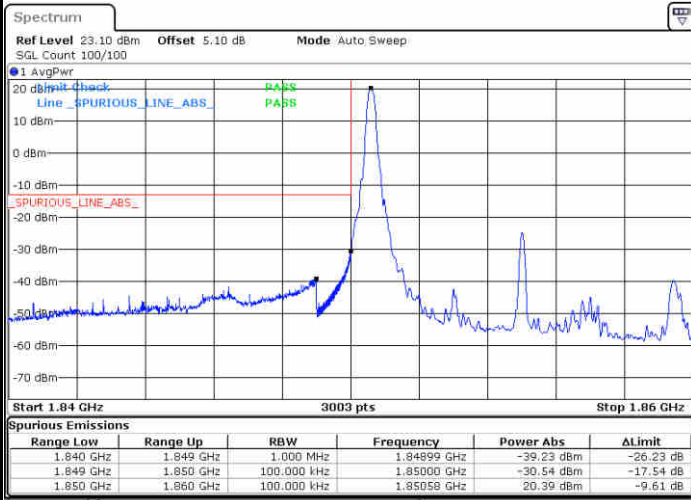


Date: 25 JUN 2020 09:15:29



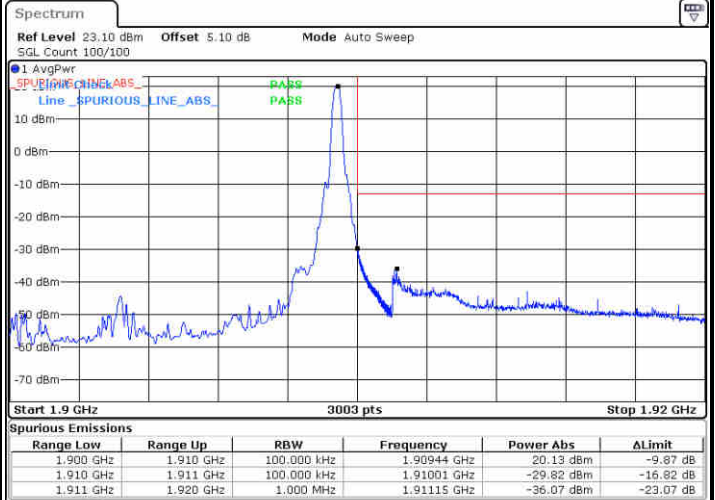
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



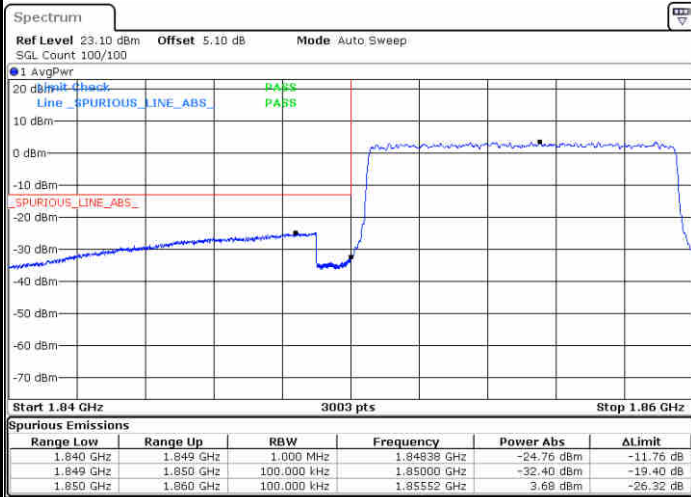
Date: 25 JUN 2020 09:04:39

Highest Band Edge / 1 RB



Date: 25 JUN 2020 09:14:20

Lowest Band Edge / Full RB



Date: 25 JUN 2020 09:06:56

Highest Band Edge / Full RB

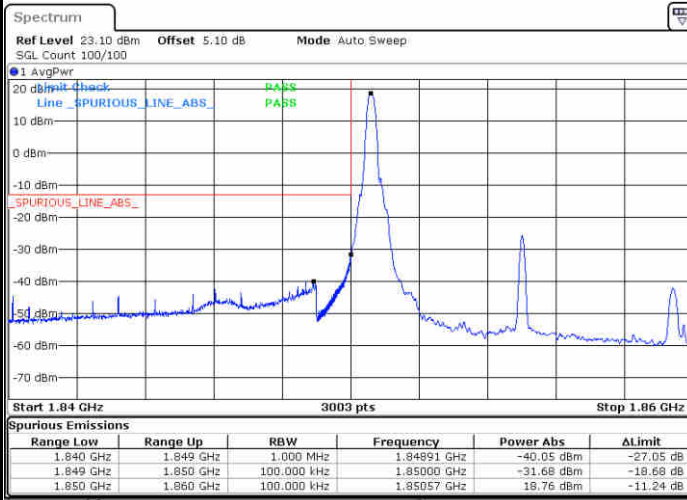


Date: 25 JUN 2020 09:16:37



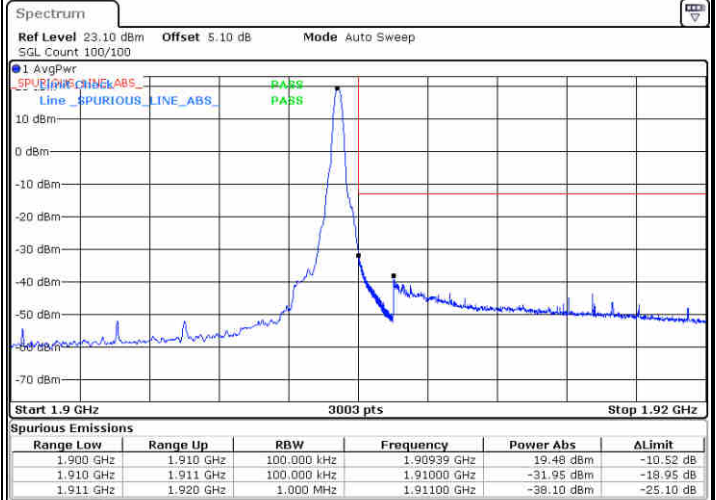
LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



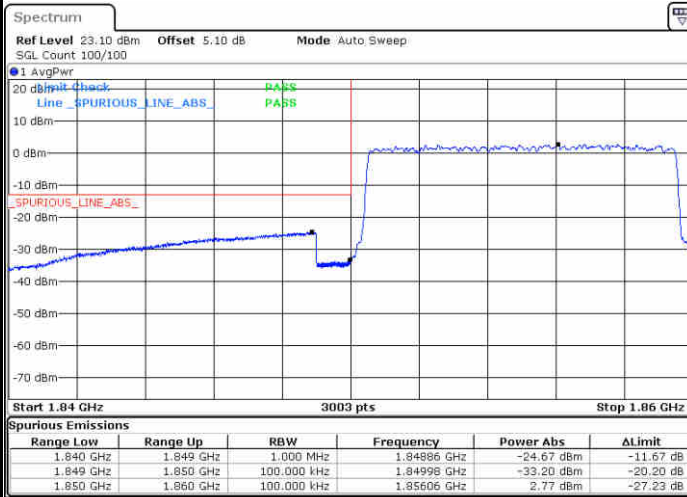
Date: 25 JUN 2020 10:14:38

Highest Band Edge / 1 RB



Date: 25 JUN 2020 10:18:02

Lowest Band Edge / Full RB



Date: 25 JUN 2020 10:15:46

Highest Band Edge / Full RB

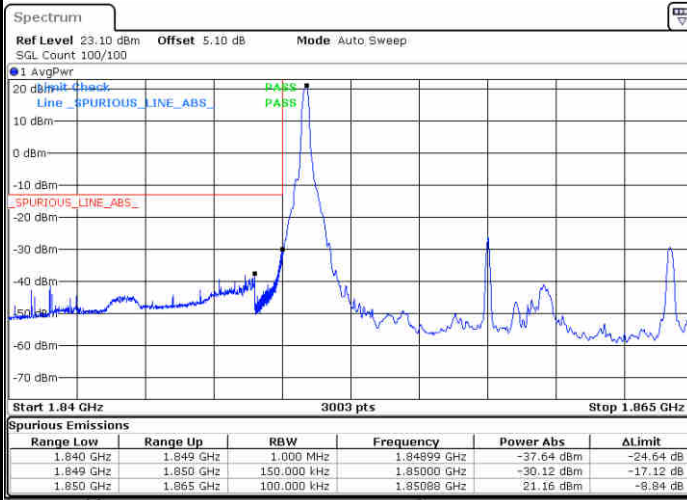


Date: 25 JUN 2020 10:16:54



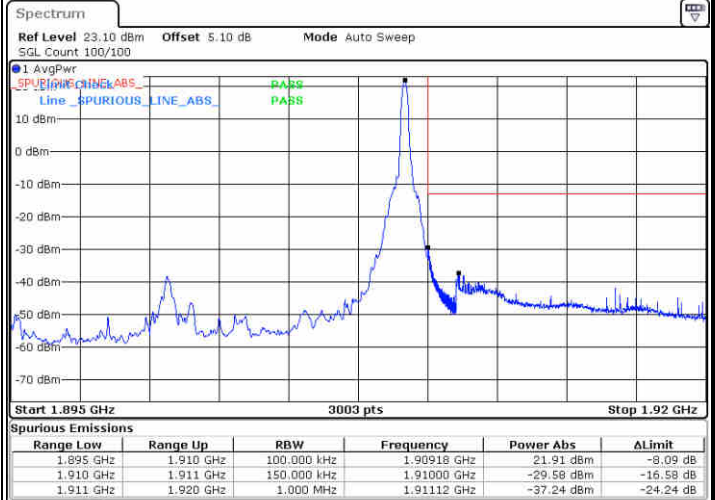
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



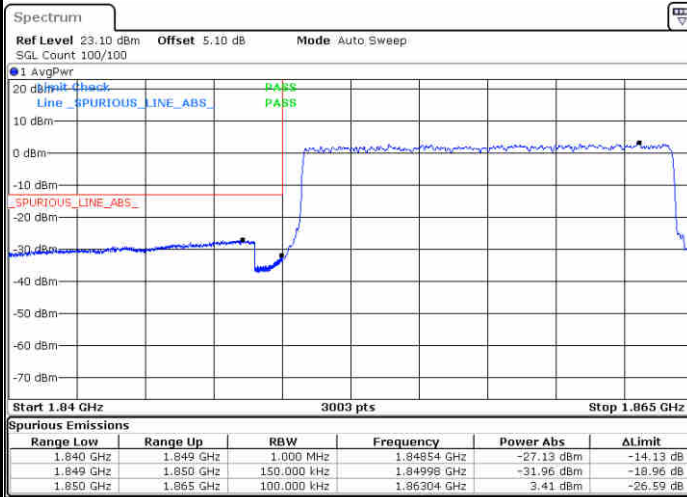
Date: 25 JUN 2020 09:20:20

Highest Band Edge / 1 RB



Date: 25 JUN 2020 09:30:00

Lowest Band Edge / Full RB



Date: 25 JUN 2020 09:22:36

Highest Band Edge / Full RB

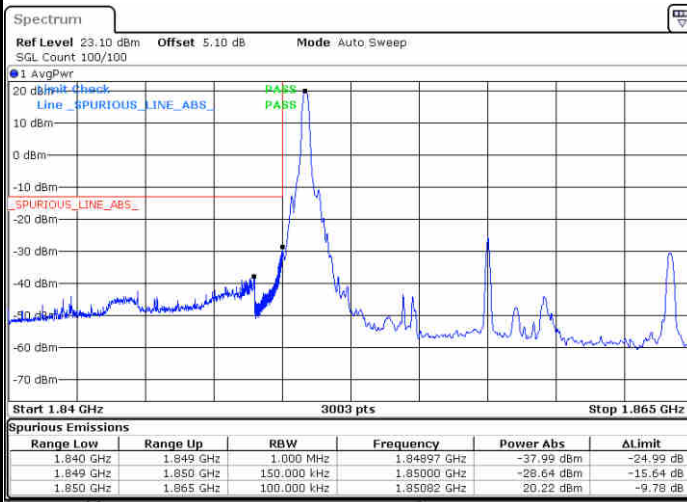


Date: 25 JUN 2020 09:32:17



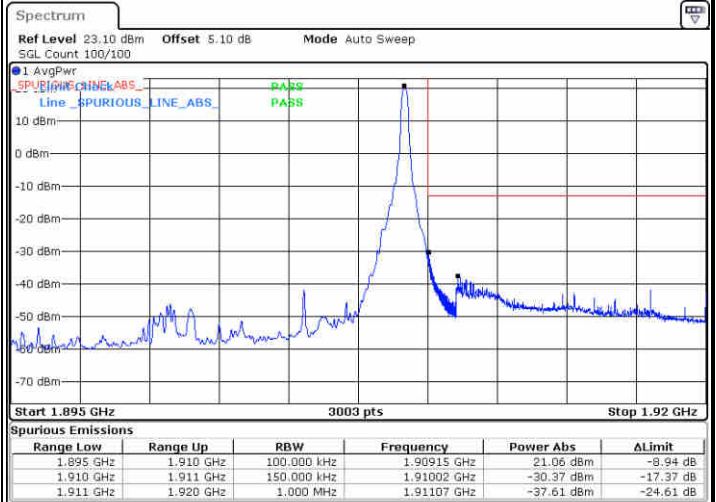
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



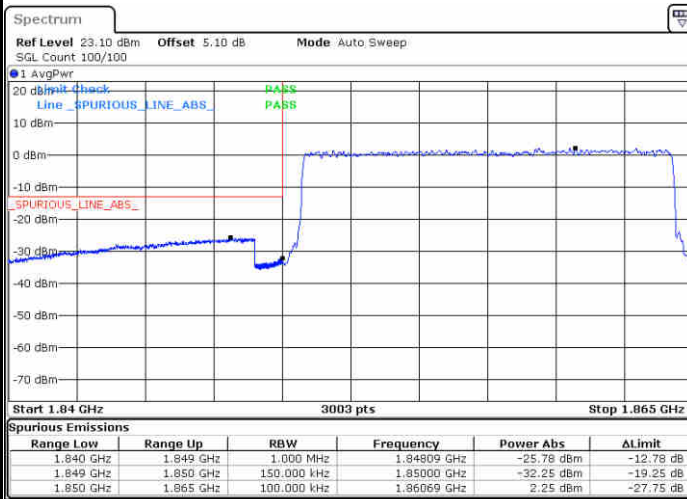
Date: 25 JUN 2020 09:21:28

Highest Band Edge / 1 RB



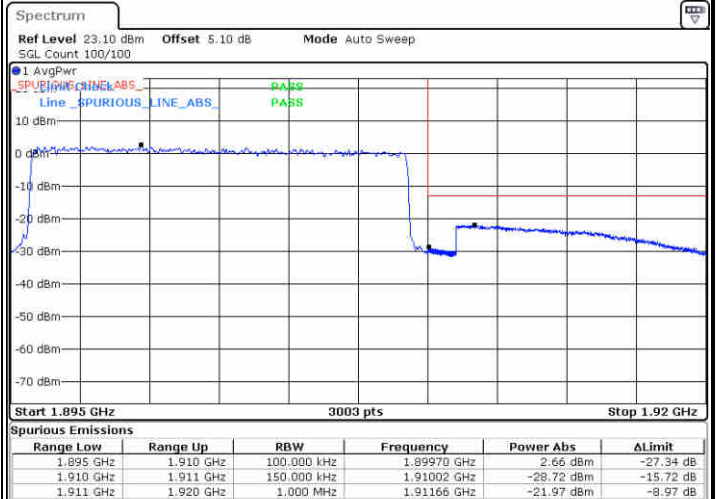
Date: 25 JUN 2020 09:31:09

Lowest Band Edge / Full RB



Date: 25 JUN 2020 09:23:45

Highest Band Edge / Full RB

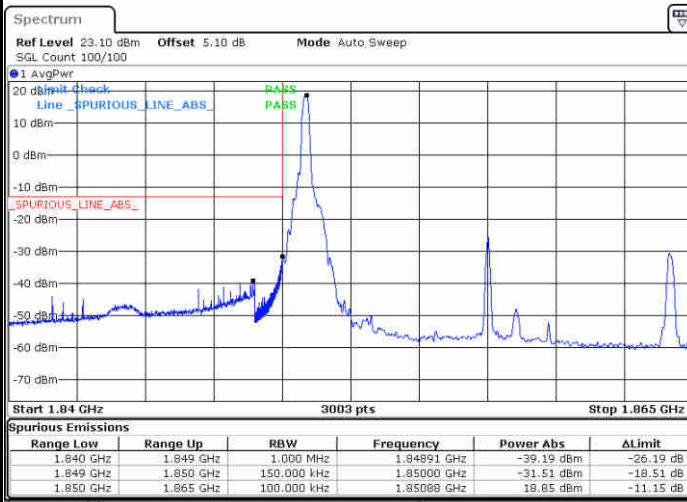


Date: 25 JUN 2020 09:33:25



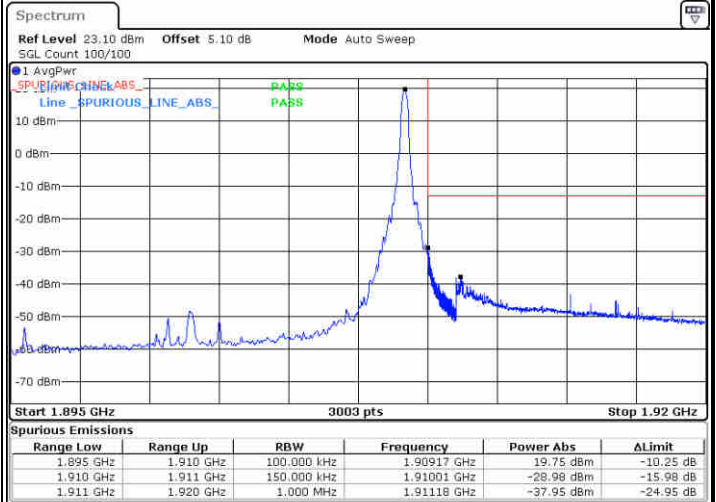
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



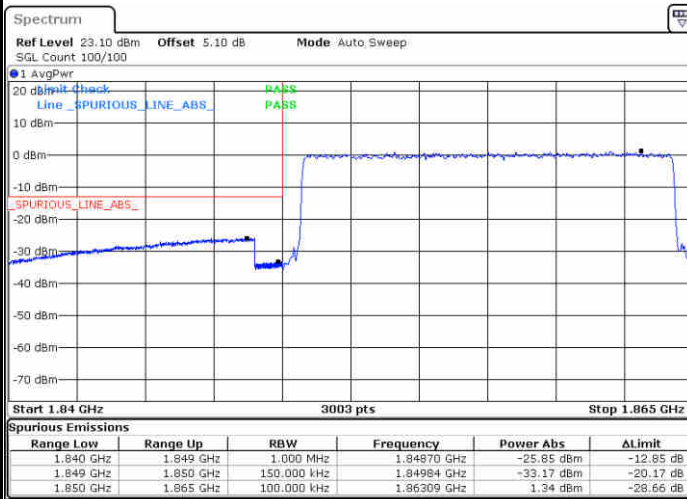
Date: 25 JUN 2020 10:19:10

Highest Band Edge / 1 RB



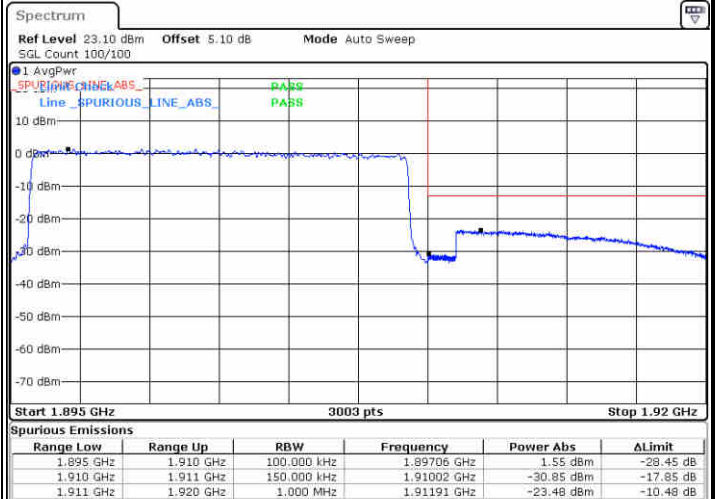
Date: 25 JUN 2020 10:22:34

Lowest Band Edge / Full RB



Date: 25 JUN 2020 10:20:18

Highest Band Edge / Full RB

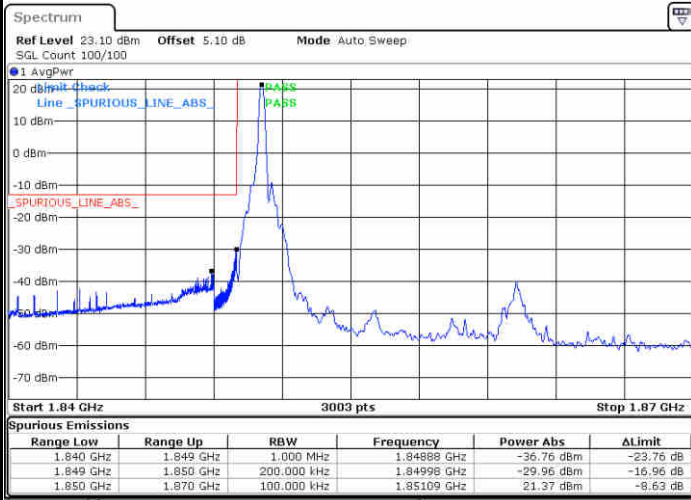


Date: 25 JUN 2020 10:21:26



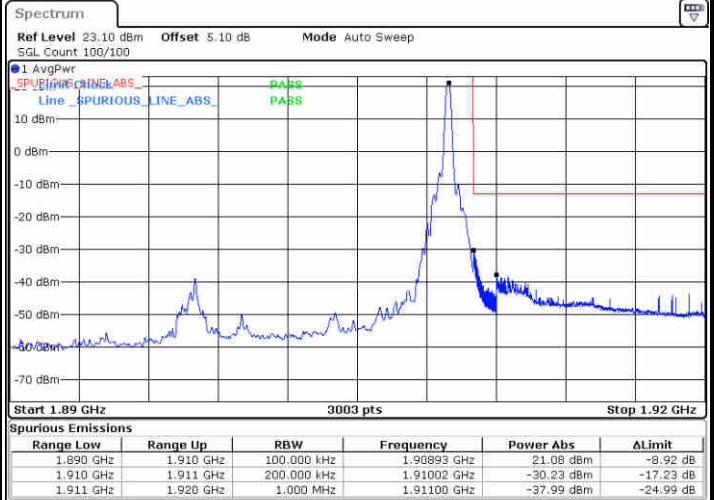
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



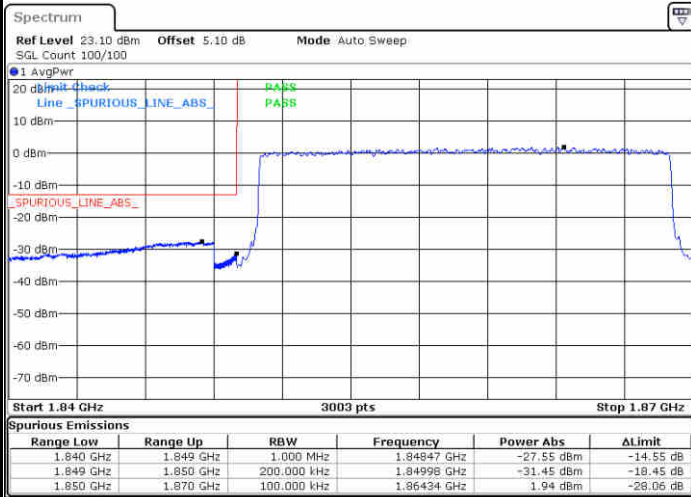
Date: 25 JUN 2020 09:37:07

Highest Band Edge / 1 RB



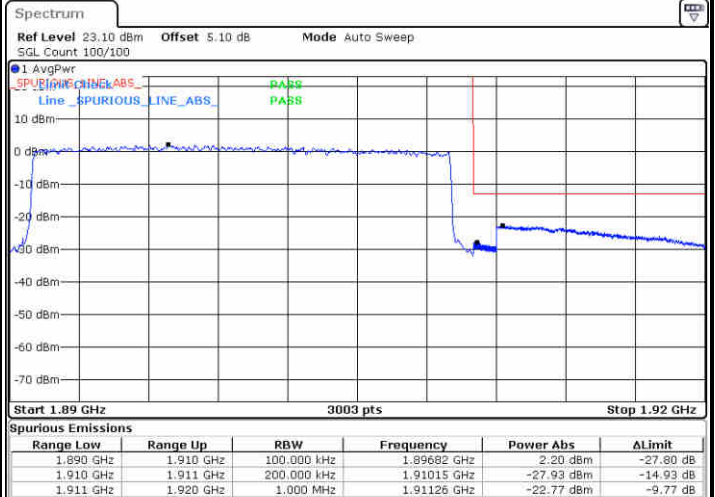
Date: 25 JUN 2020 09:46:47

Lowest Band Edge / Full RB



Date: 25 JUN 2020 09:39:23

Highest Band Edge / Full RB

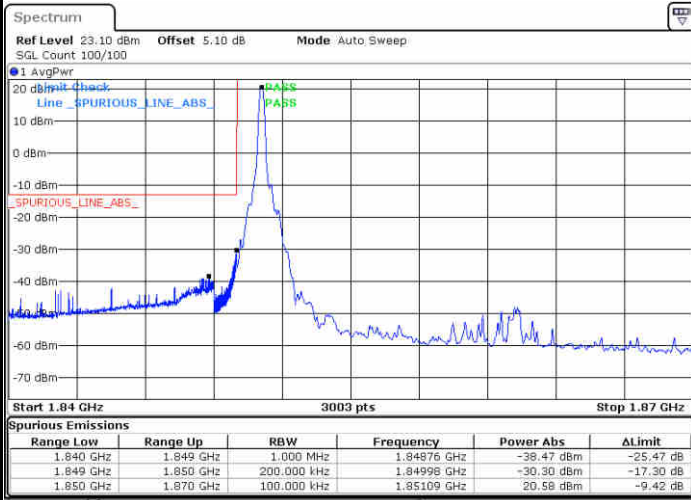


Date: 25 JUN 2020 09:45:03



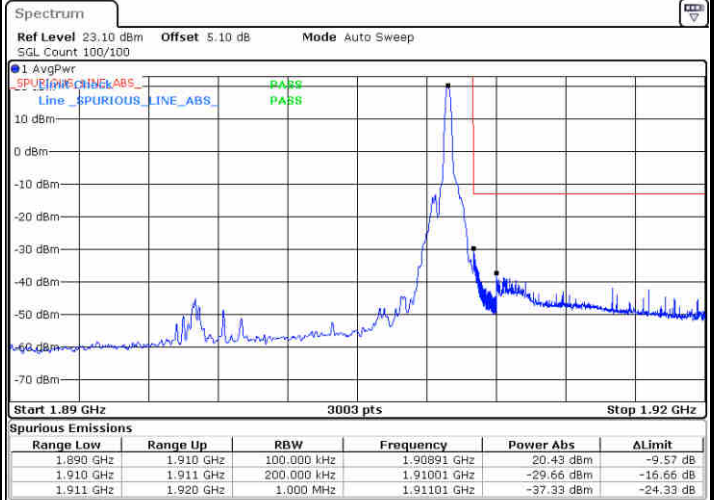
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



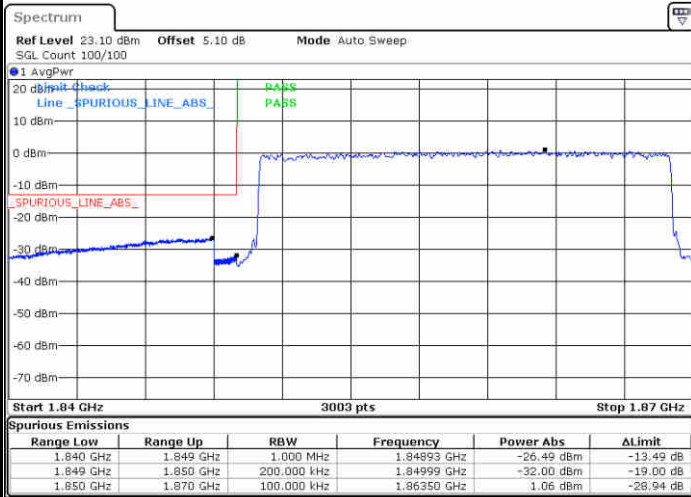
Date: 25 JUN 2020 09:38:15

Highest Band Edge / 1 RB



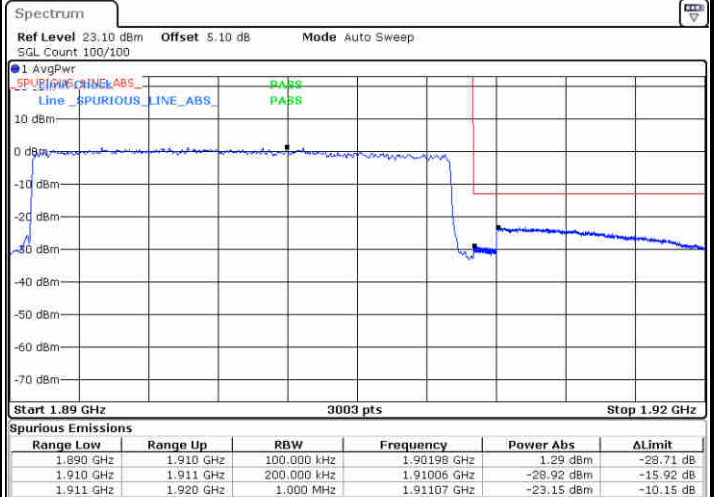
Date: 25 JUN 2020 09:47:55

Lowest Band Edge / Full RB



Date: 25 JUN 2020 09:40:31

Highest Band Edge / Full RB

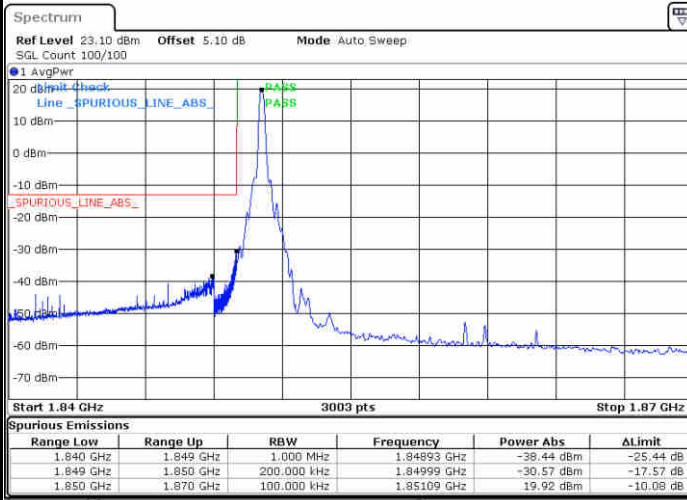


Date: 25 JUN 2020 09:50:11



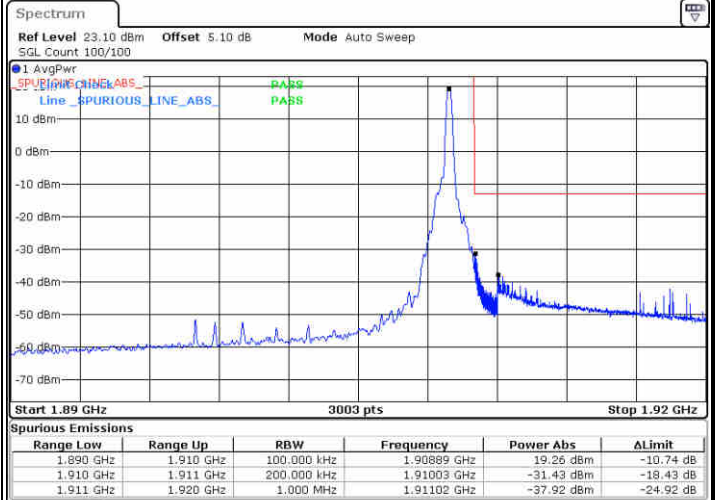
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



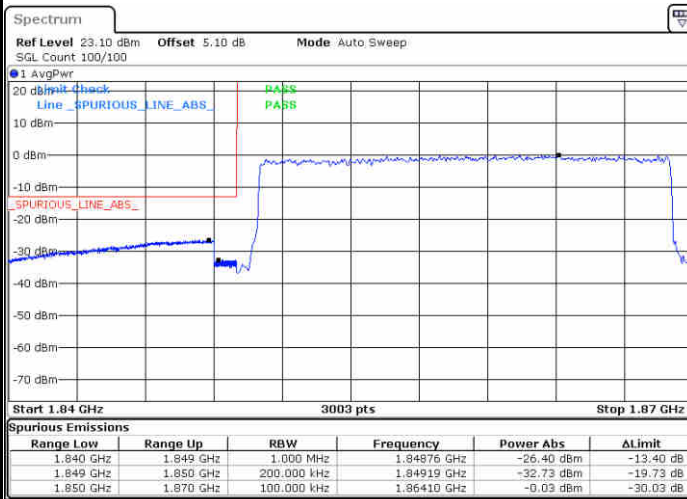
Date: 25 JUN 2020 10:23:42

Highest Band Edge / 1 RB



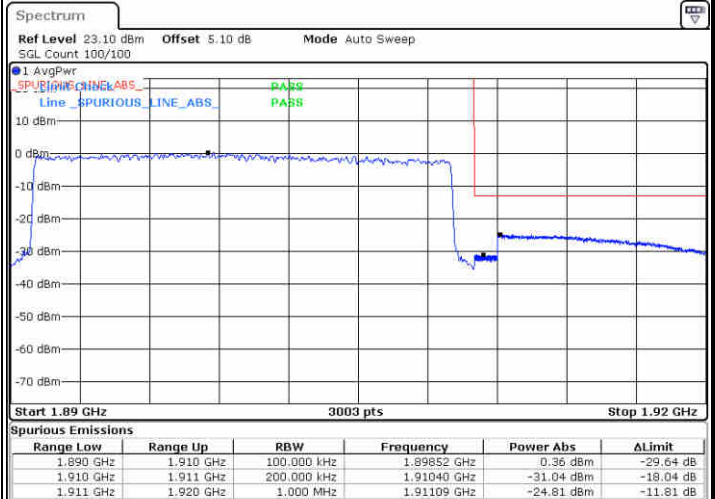
Date: 25 JUN 2020 10:27:06

Lowest Band Edge / Full RB



Date: 25 JUN 2020 10:24:50

Highest Band Edge / Full RB



Date: 25 JUN 2020 10:25:58



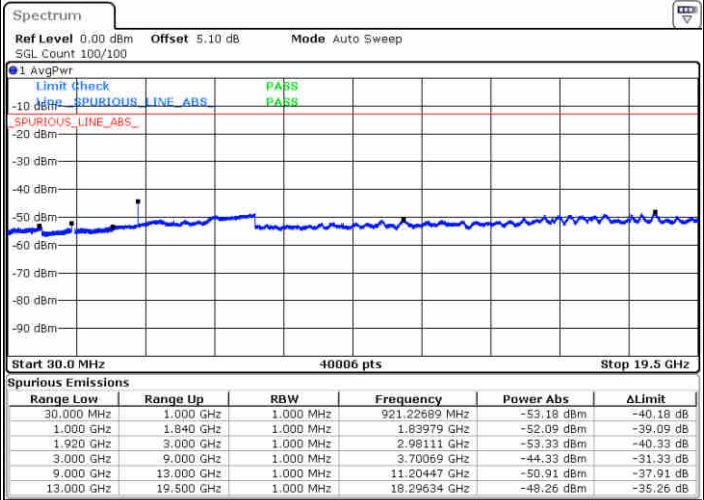
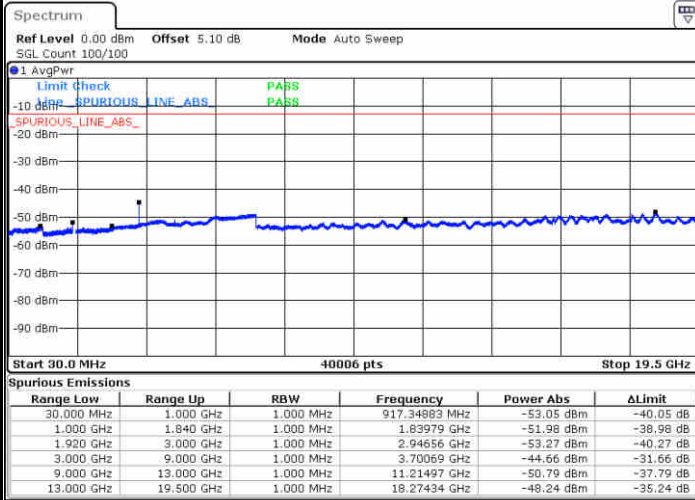
Conducted Spurious Emission



LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

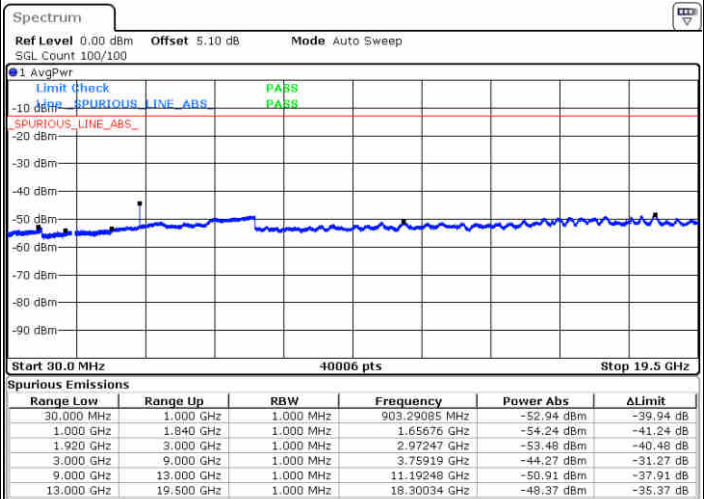
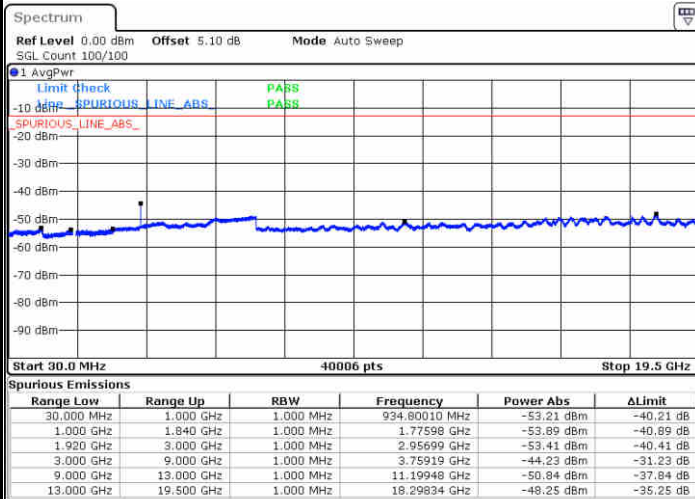


Date: 25 JUN 2020 09:31:19

Date: 25 JUN 2020 09:32:13

Middle Channel / QPSK

Middle Channel / 16QAM



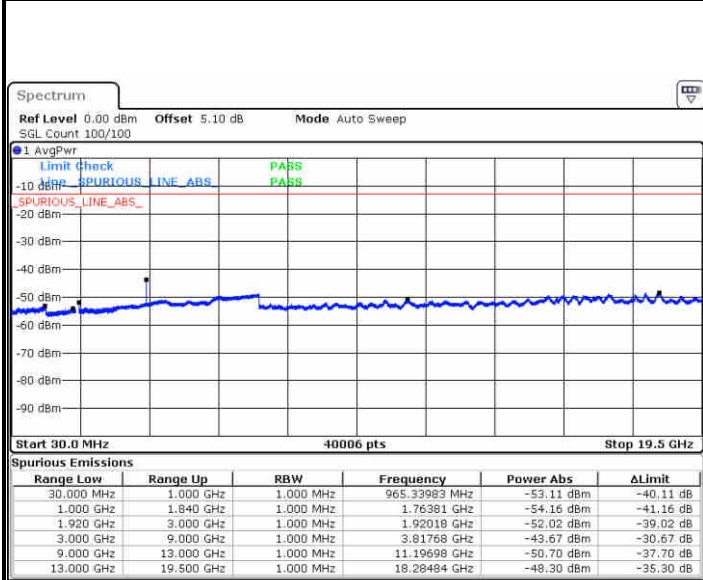
Date: 25 JUN 2020 09:33:47

Date: 25 JUN 2020 09:34:41



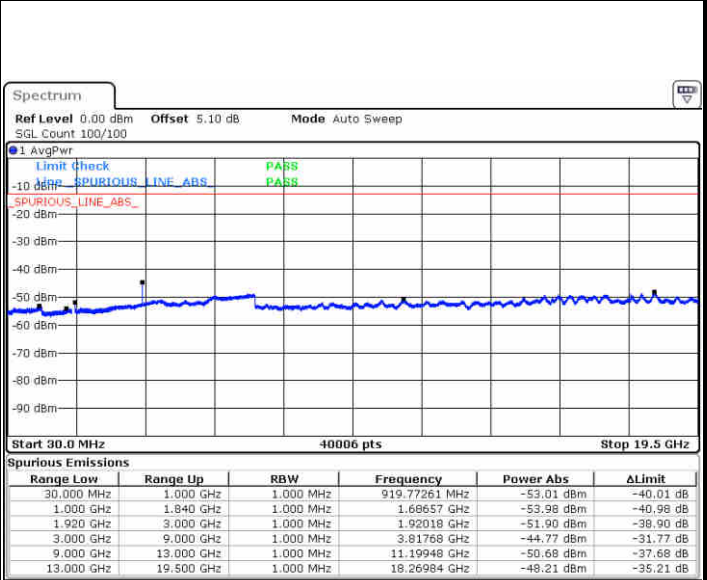
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 25 JUN 2020 09:40:51

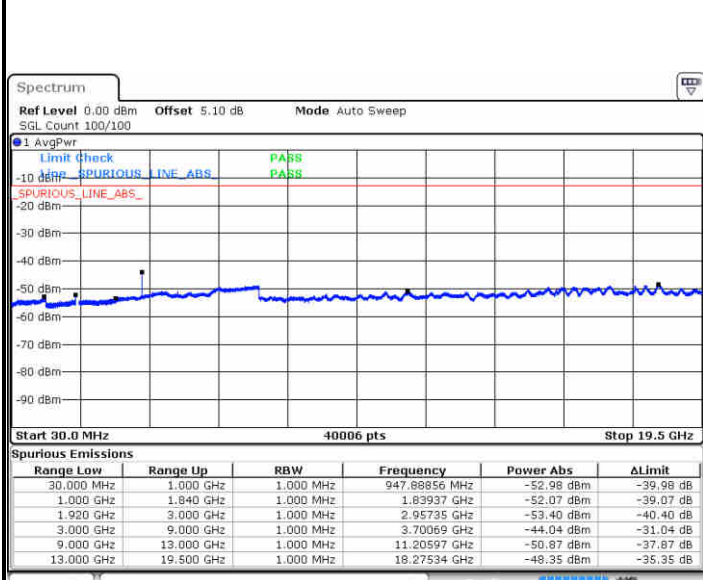
Highest Channel / 16QAM



Date: 25 JUN 2020 09:41:45

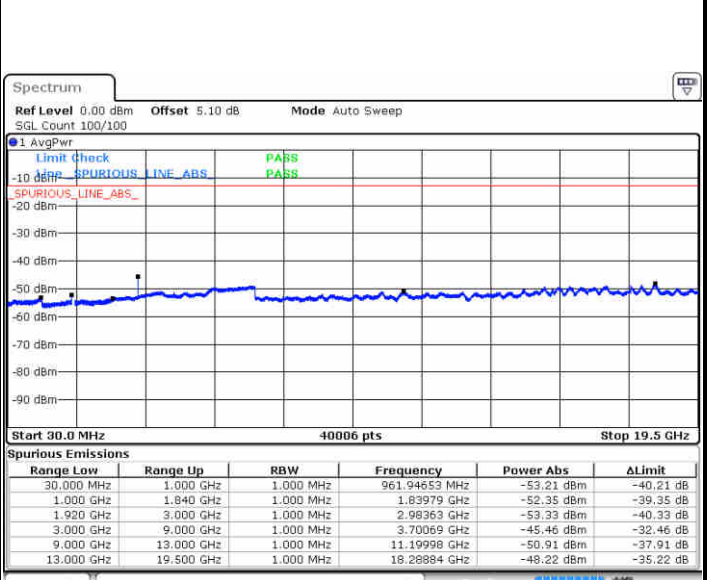
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 25 JUN 2020 09:47:54

Lowest Channel / 16QAM

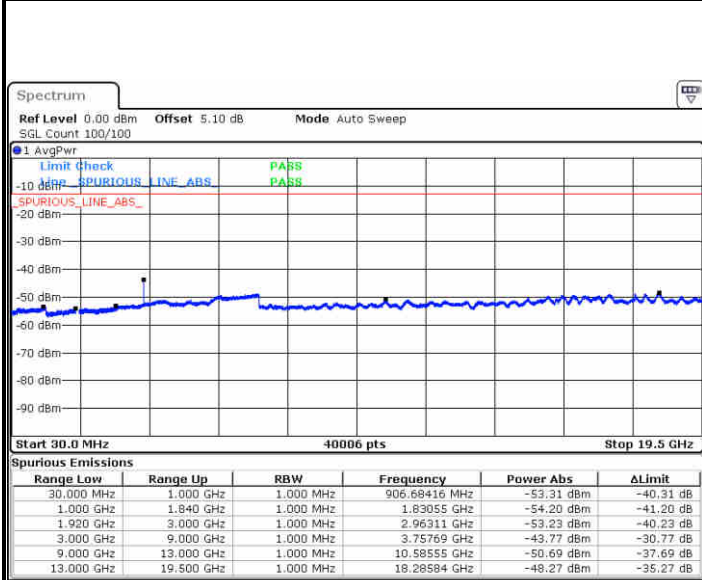


Date: 25 JUN 2020 09:48:49



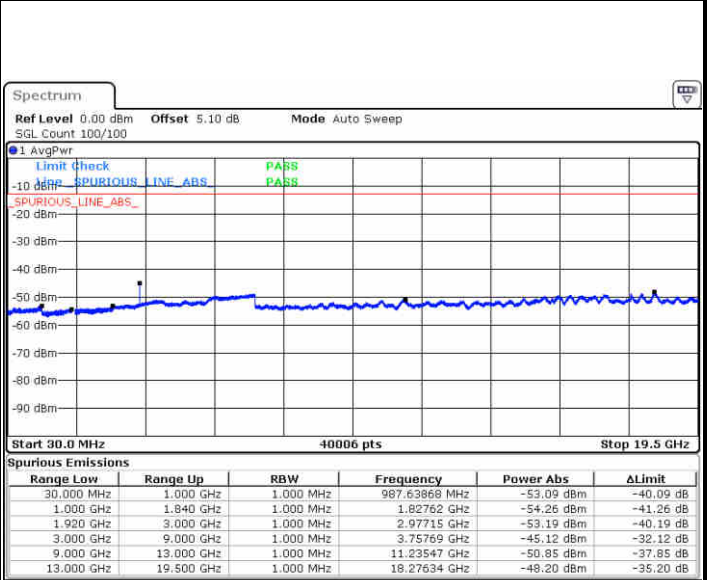
LTE Band 2 / 3MHz

Middle Channel / QPSK



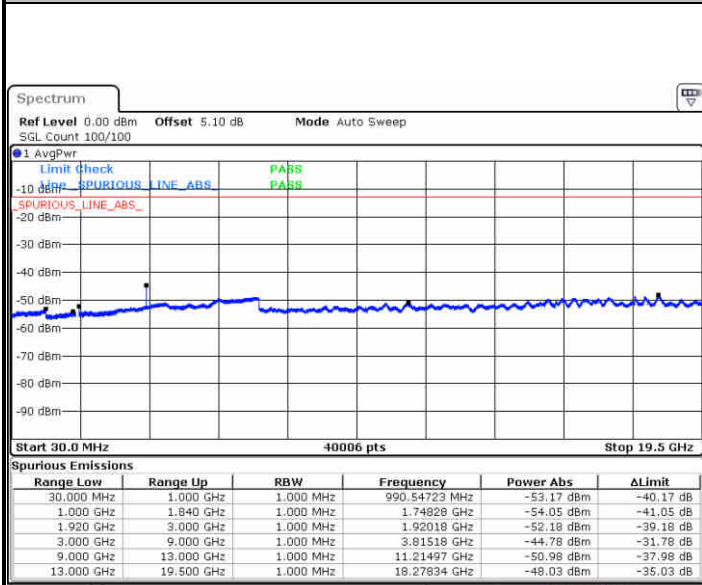
Date: 25 JUN 2020 09:50:23

Middle Channel / 16QAM



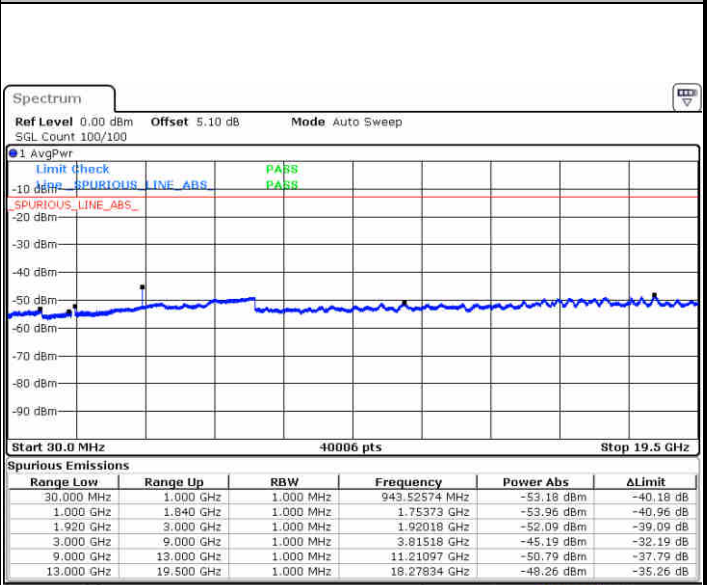
Date: 25 JUN 2020 09:51:17

Highest Channel / QPSK



Date: 25 JUN 2020 09:57:27

Highest Channel / 16QAM

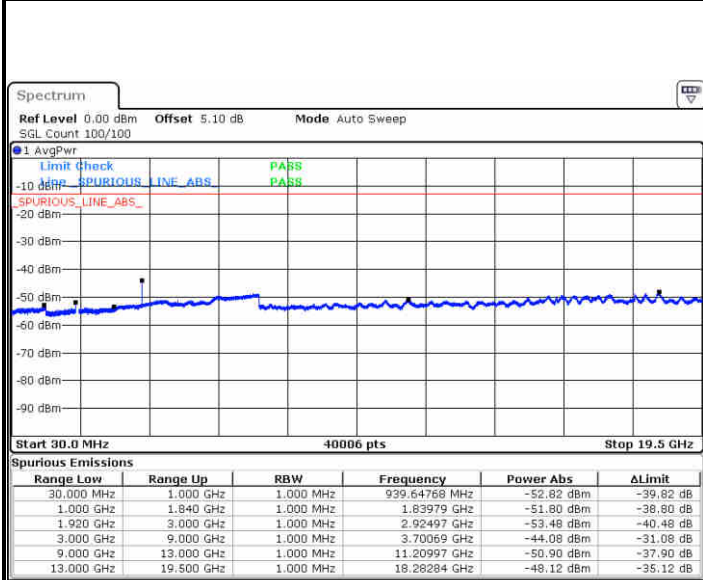


Date: 25 JUN 2020 09:58:21



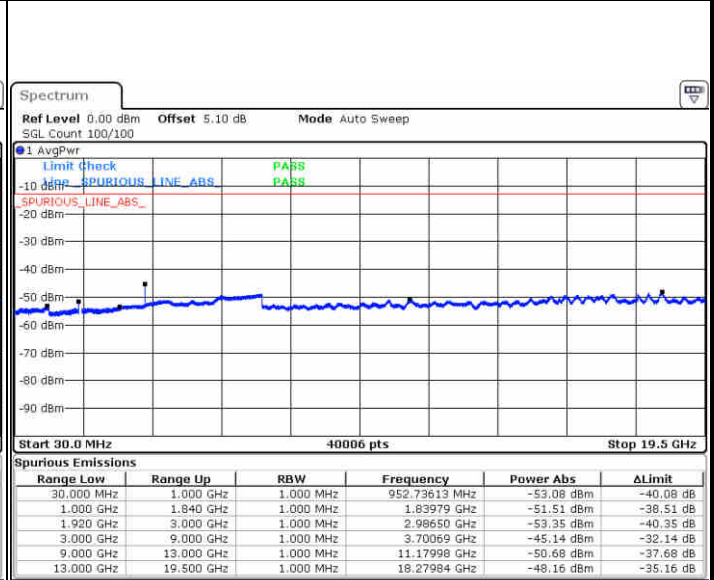
LTE Band 2 / 5MHz

Lowest Channel / QPSK



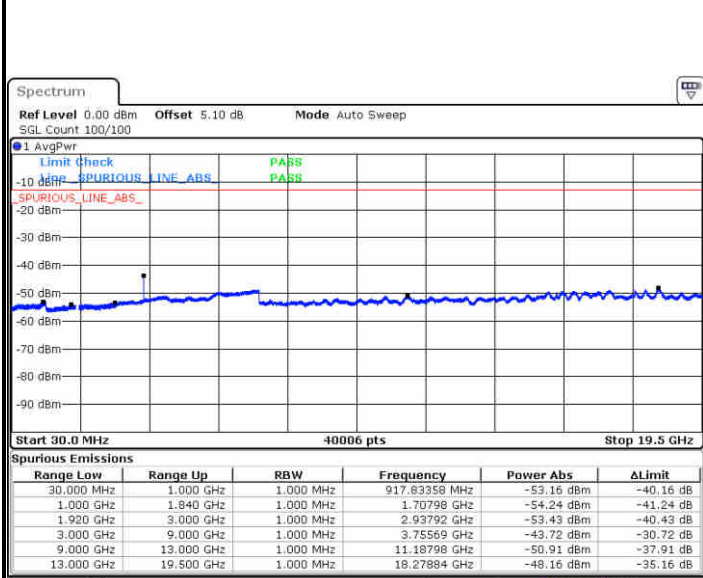
Date: 25 JUN 2020 10 04:30

Lowest Channel / 16QAM



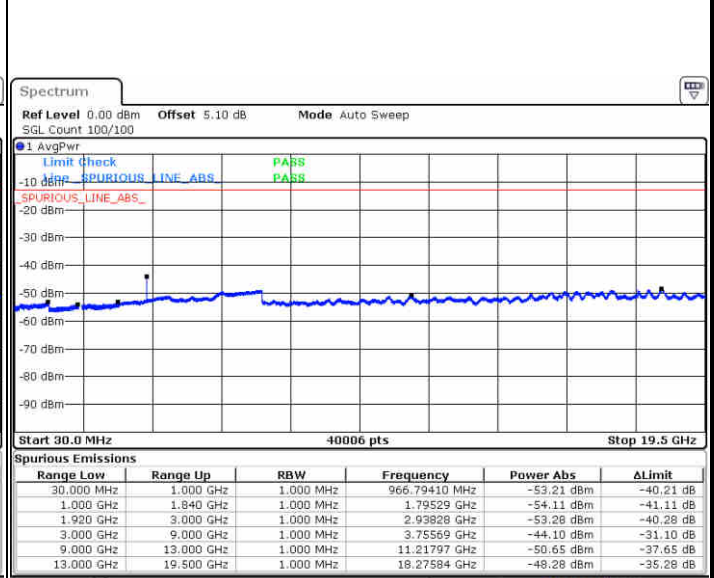
Date: 25 JUN 2020 10 05:24

Middle Channel / QPSK



Date: 25 JUN 2020 10 06:59

Middle Channel / 16QAM

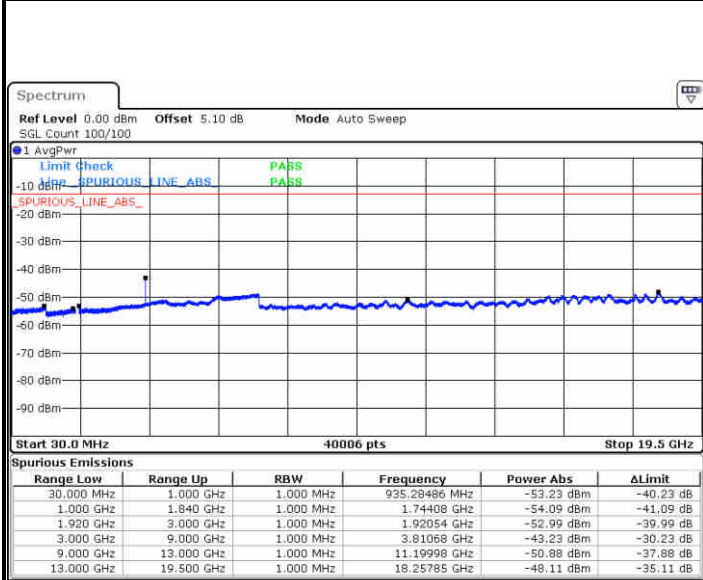


Date: 25 JUN 2020 10 07:53



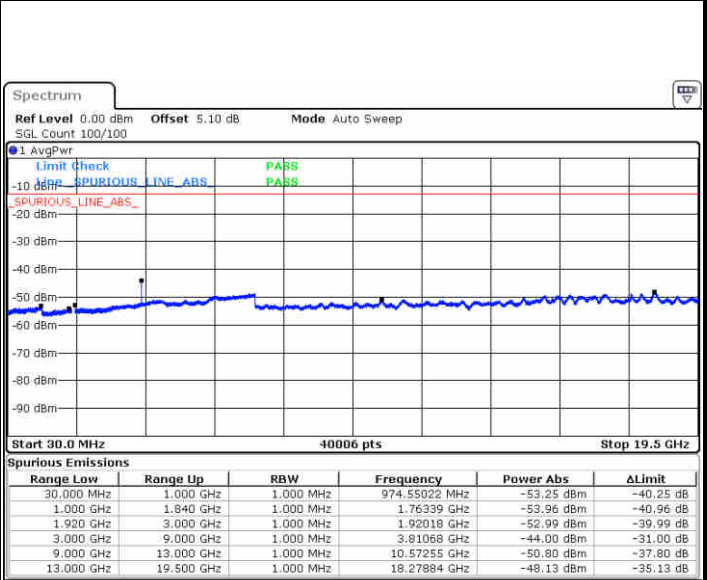
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 25 JUN 2020 10:14:03

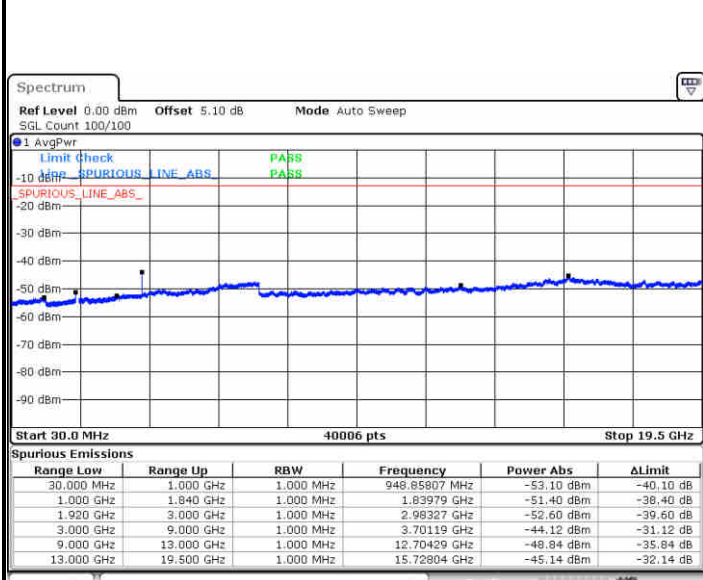
Highest Channel / 16QAM



Date: 25 JUN 2020 10:14:57

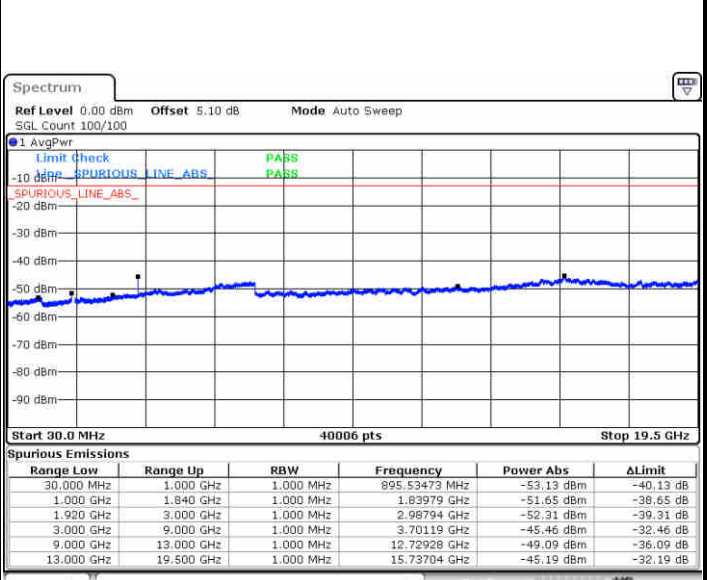
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 25 JUN 2020 09:07:51

Lowest Channel / 16QAM

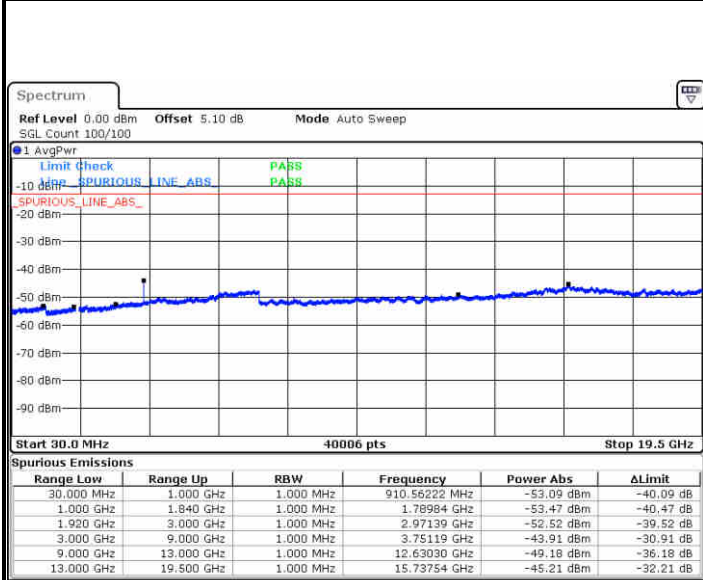


Date: 25 JUN 2020 09:08:47



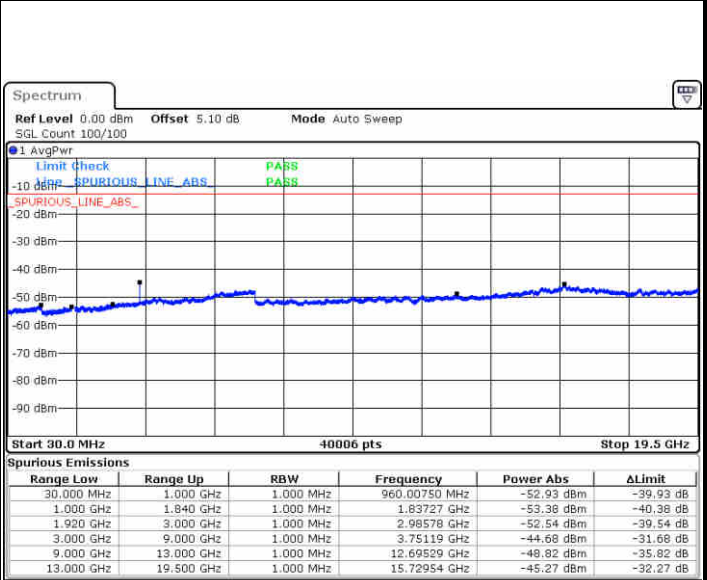
LTE Band 2 / 10MHz

Middle Channel / QPSK



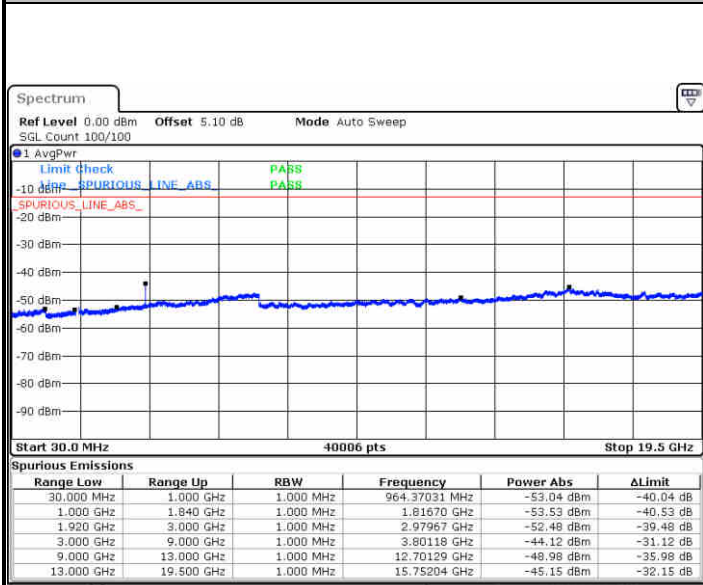
Date: 25 JUN.2020 09:10:24

Middle Channel / 16QAM



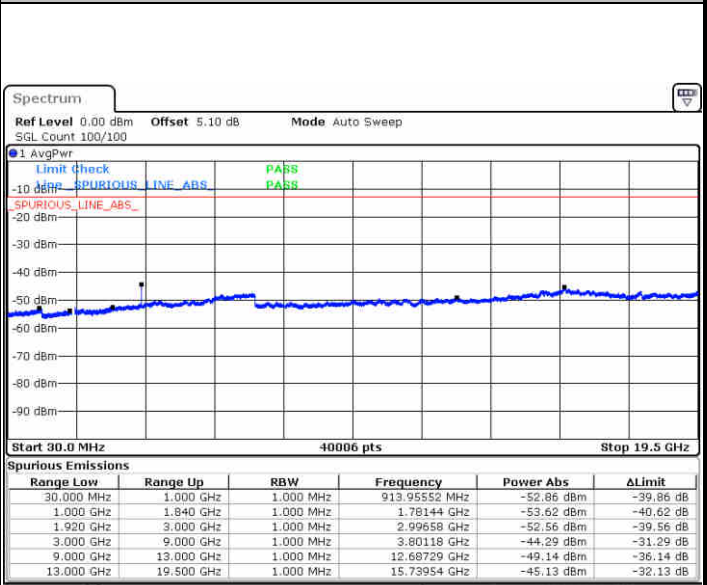
Date: 25 JUN.2020 09:11:21

Highest Channel / QPSK



Date: 25 JUN.2020 09:17:33

Highest Channel / 16QAM

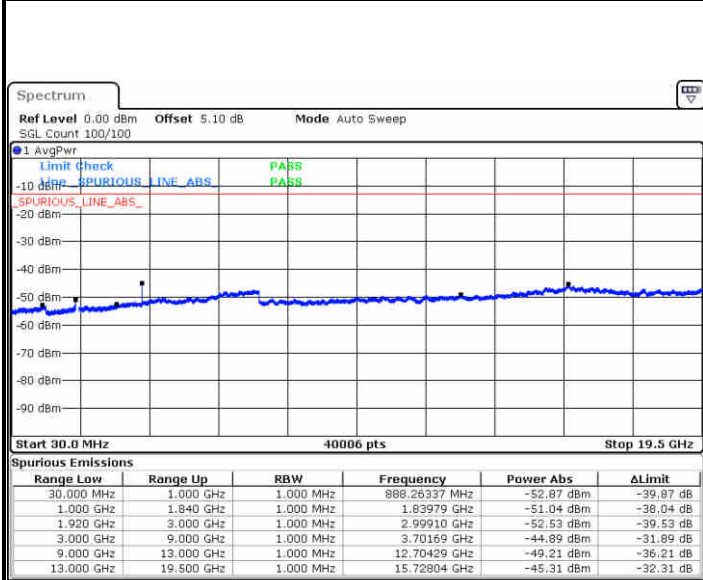


Date: 25 JUN.2020 09:18:30



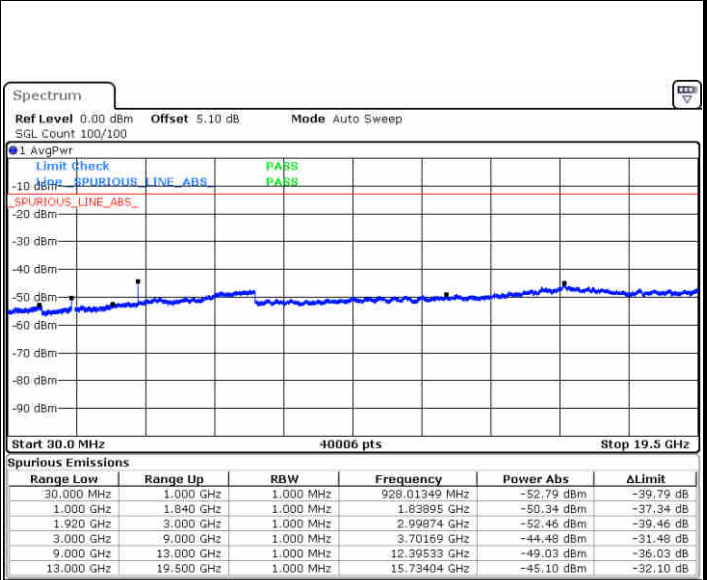
LTE Band 2 / 15MHz

Lowest Channel / QPSK



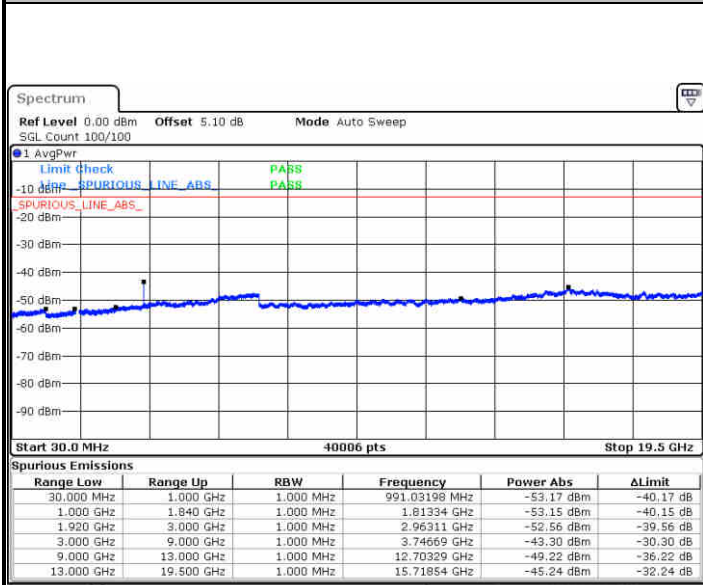
Date: 25 JUN. 2020 09:24:40

Lowest Channel / 16QAM



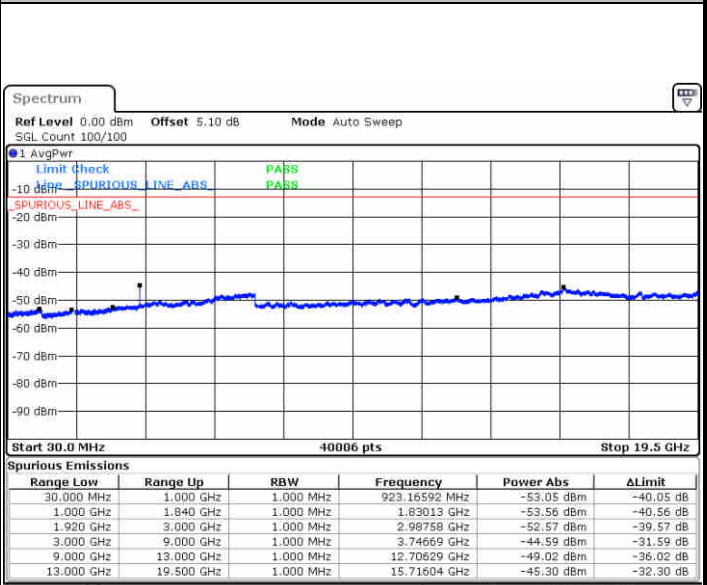
Date: 25 JUN. 2020 09:25:37

Middle Channel / QPSK



Date: 25 JUN. 2020 09:27:14

Middle Channel / 16QAM

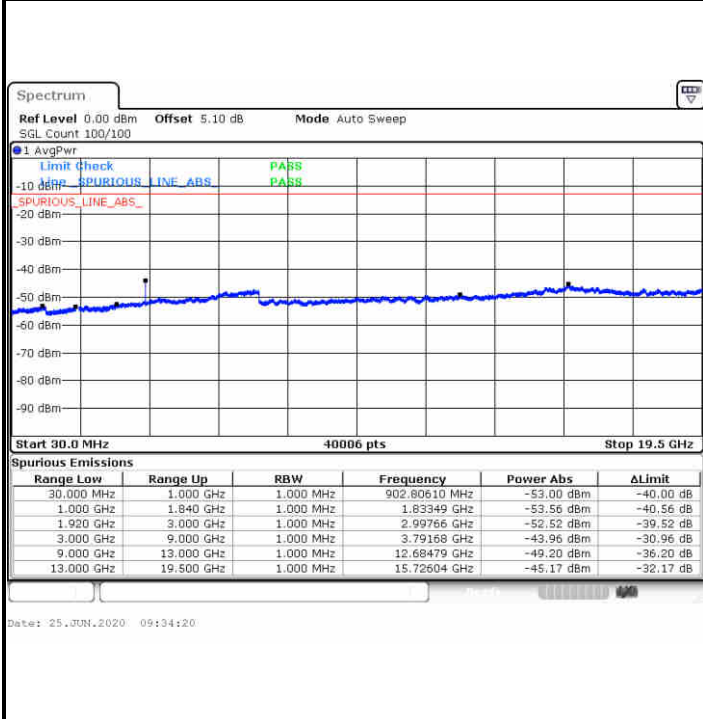


Date: 25 JUN. 2020 09:28:11

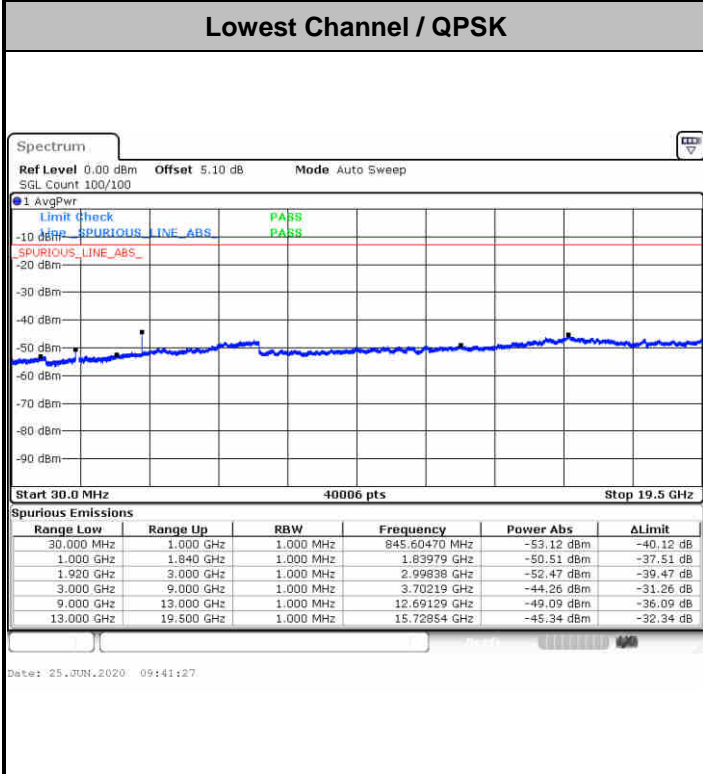


LTE Band 2 / 15MHz

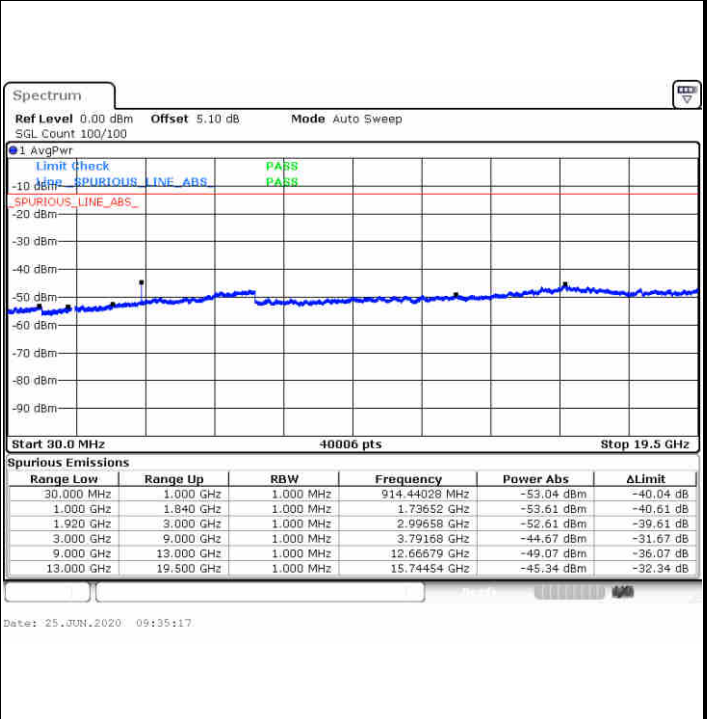
Highest Channel / QPSK



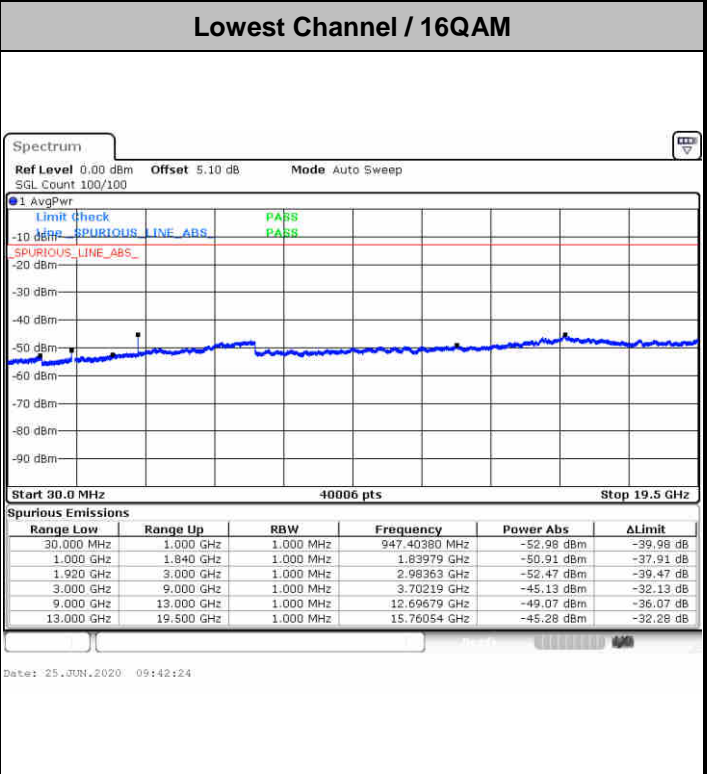
Highest Channel / 16QAM



Lowest Channel / QPSK



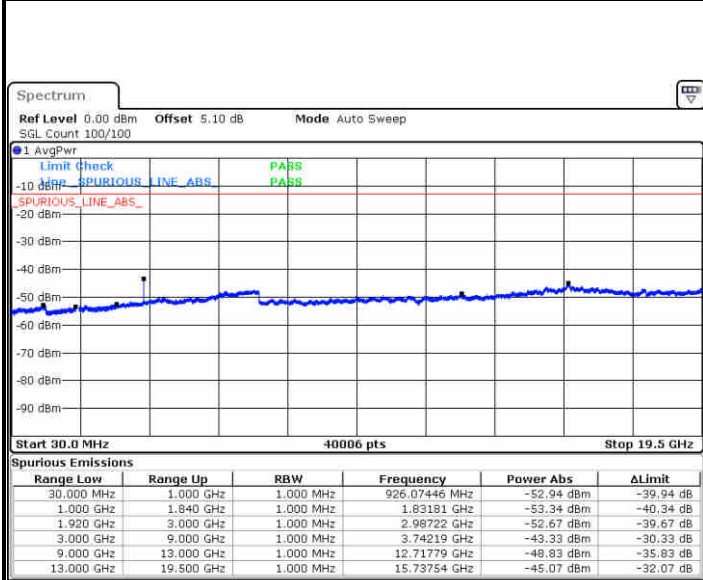
Lowest Channel / 16QAM





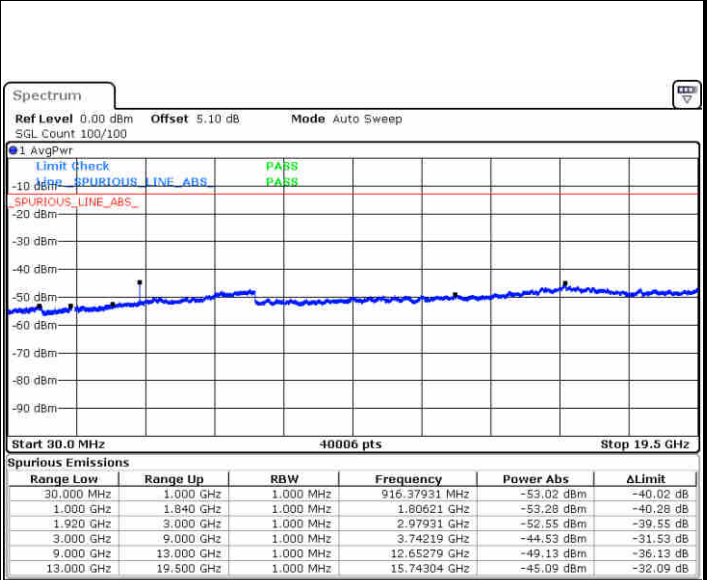
LTE Band 2 / 20MHz

Middle Channel / QPSK



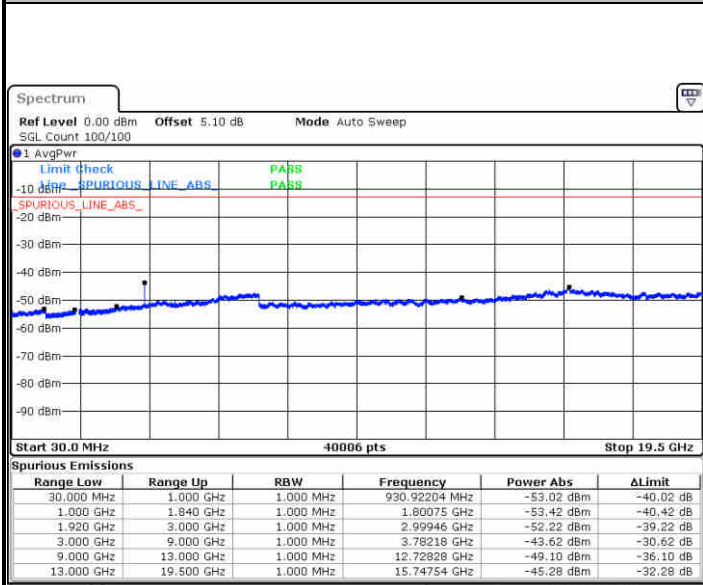
Date: 25 JUN.2020 09:44:01

Middle Channel / 16QAM



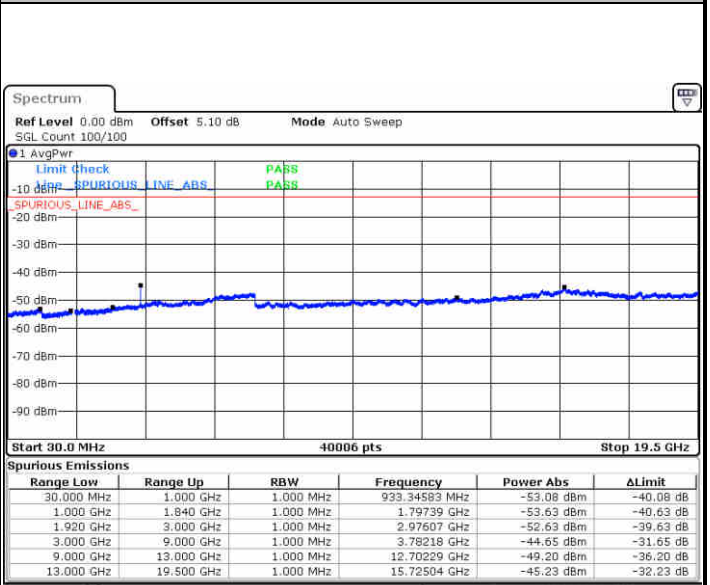
Date: 25 JUN.2020 09:44:58

Highest Channel / QPSK



Date: 25 JUN.2020 09:51:07

Highest Channel / 16QAM

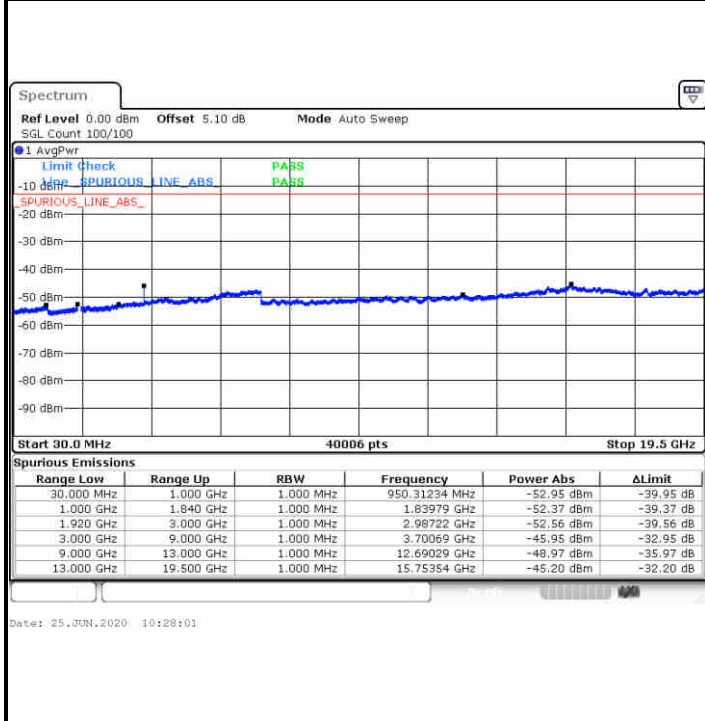


Date: 25 JUN.2020 09:52:04

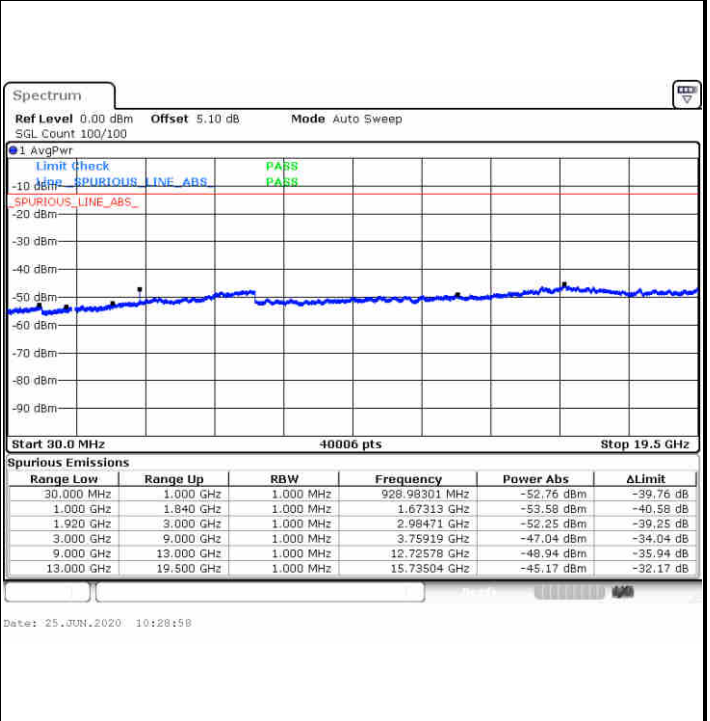


LTE Band 2 / 1.4MHz

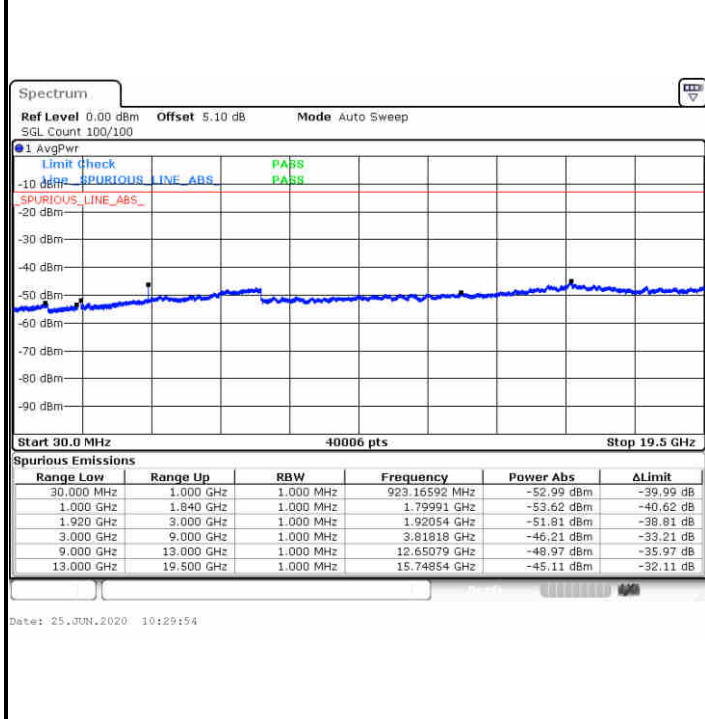
Lowest Channel / 64QAM



Middle Channel / 64QAM



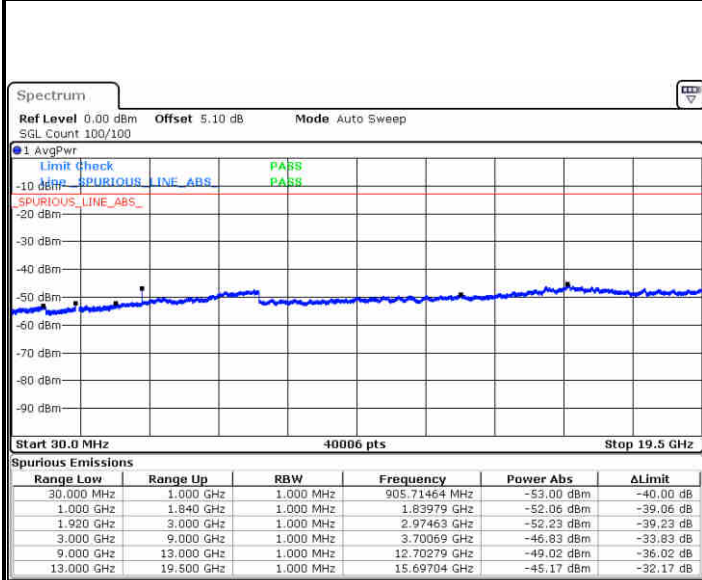
Highest Channel / 64QAM





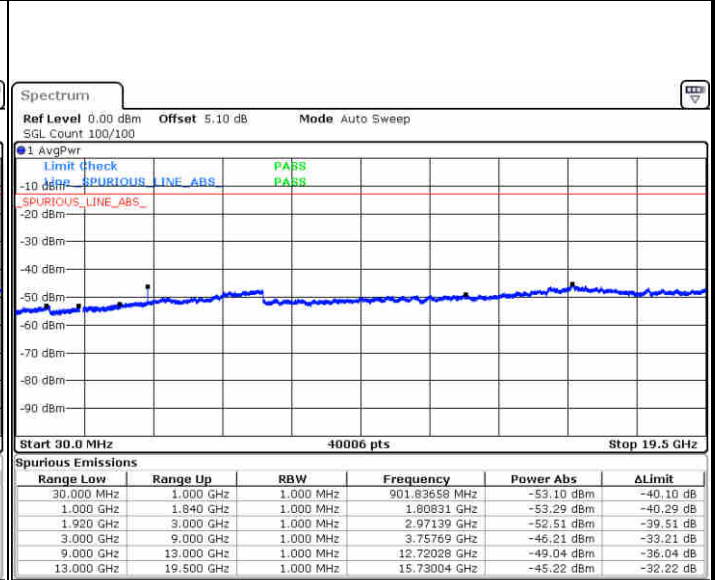
LTE Band 2 / 3MHz

Lowest Channel / 64QAM



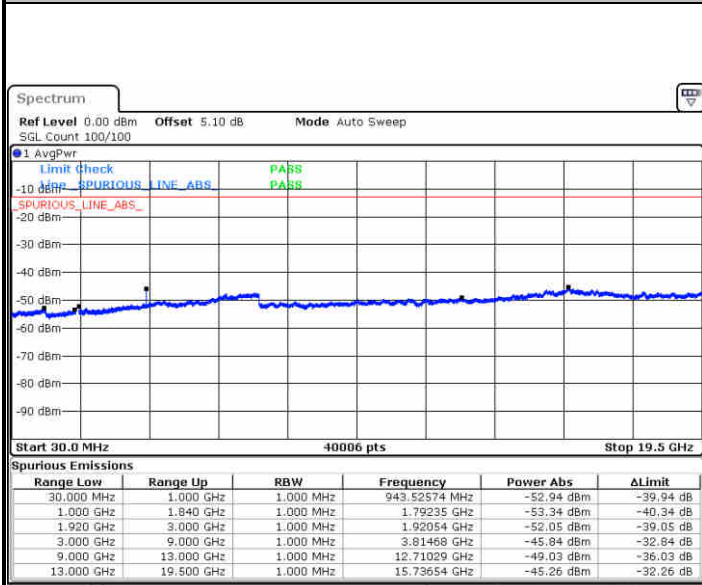
Date: 25 JUN.2020 10:30:51

Middle Channel / 64QAM



Date: 25 JUN.2020 10:31:48

Highest Channel / 64QAM

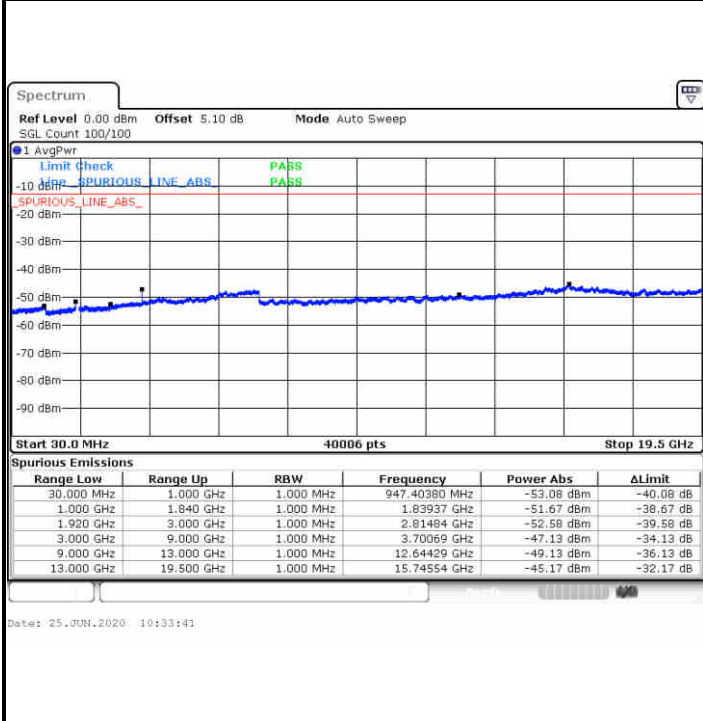


Date: 25 JUN.2020 10:32:44

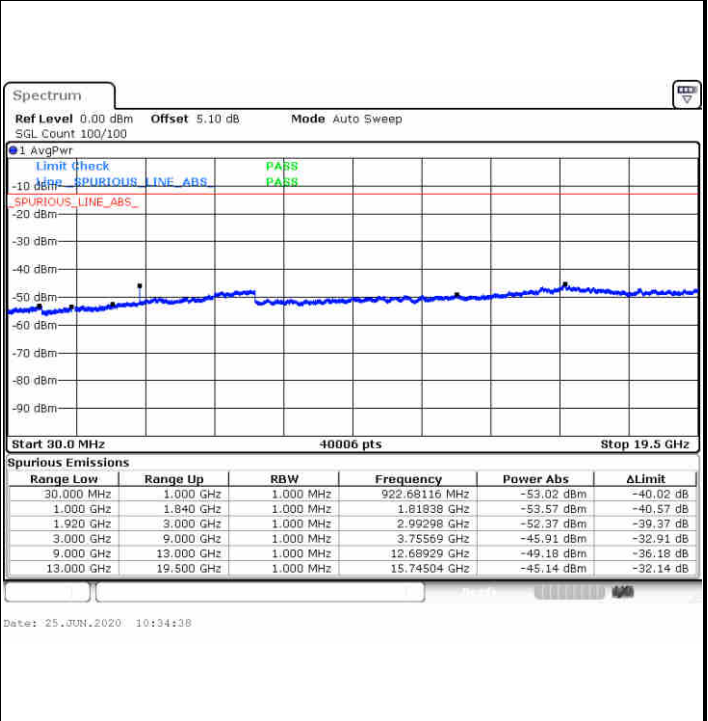


LTE Band 2 / 5MHz

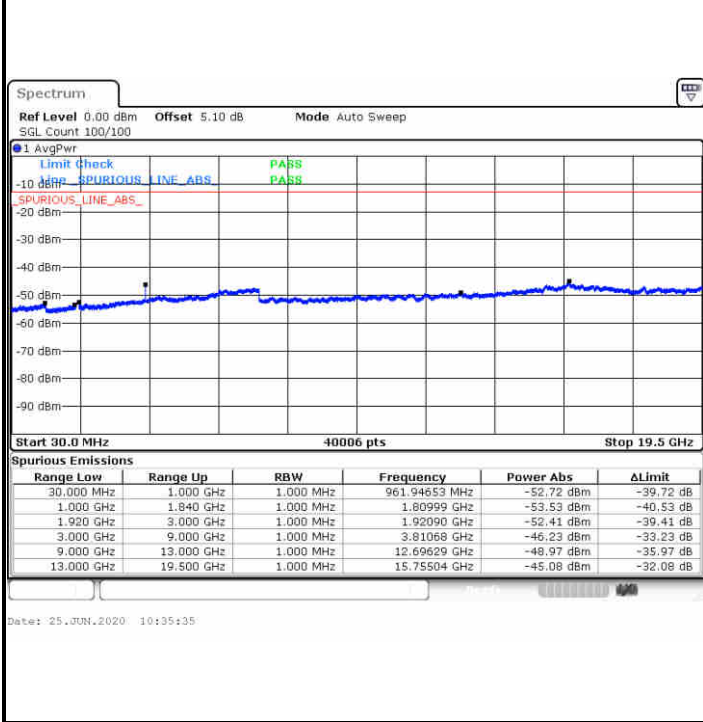
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM

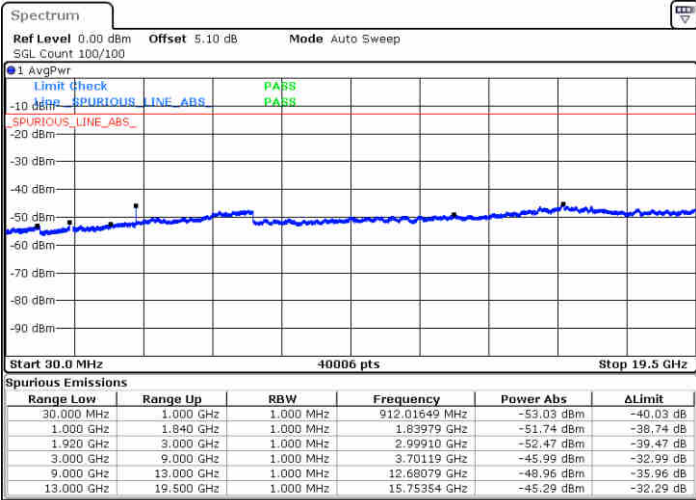




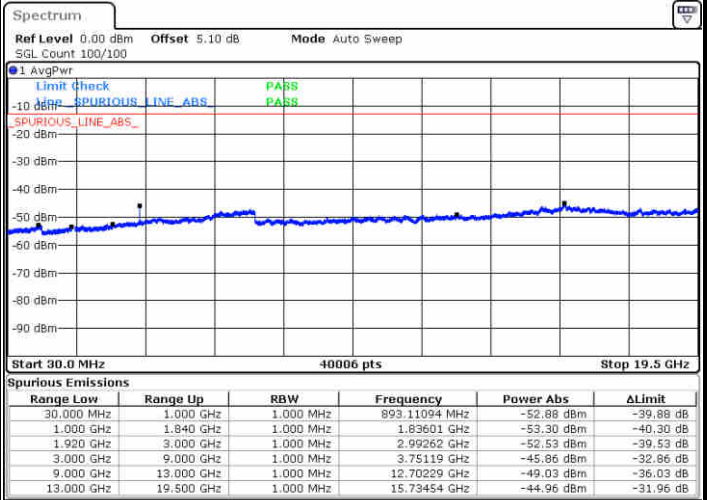
LTE Band 2 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

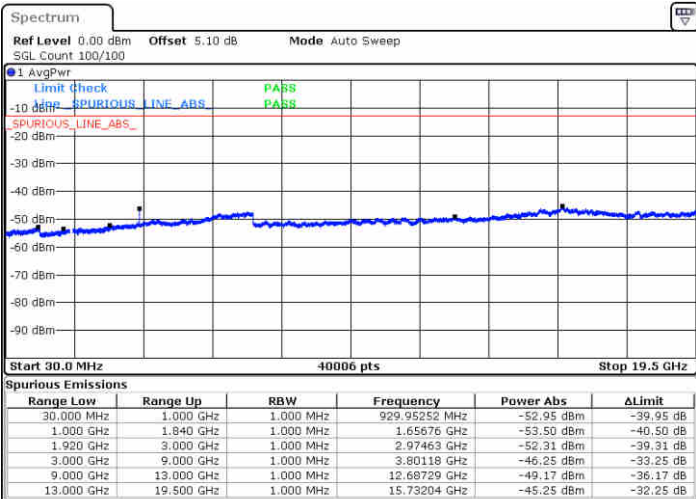


Date: 25 JUN.2020 10:36:31



Date: 25 JUN.2020 10:37:28

Highest Channel / 64QAM

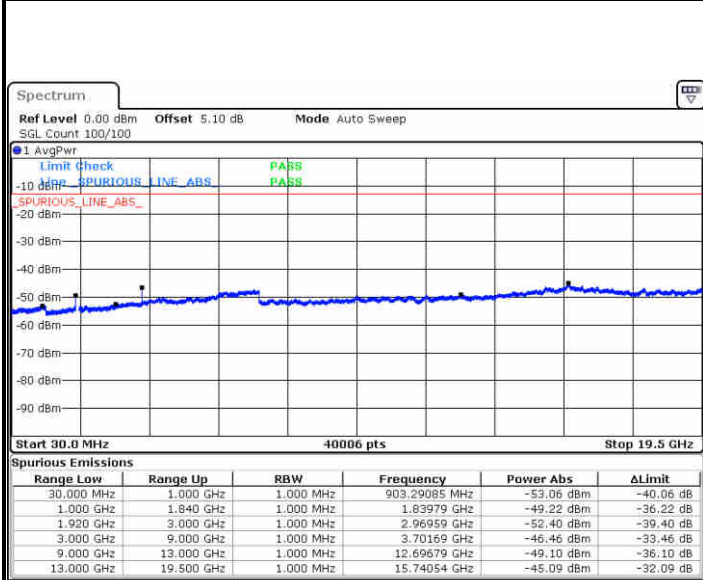


Date: 25 JUN.2020 10:38:25



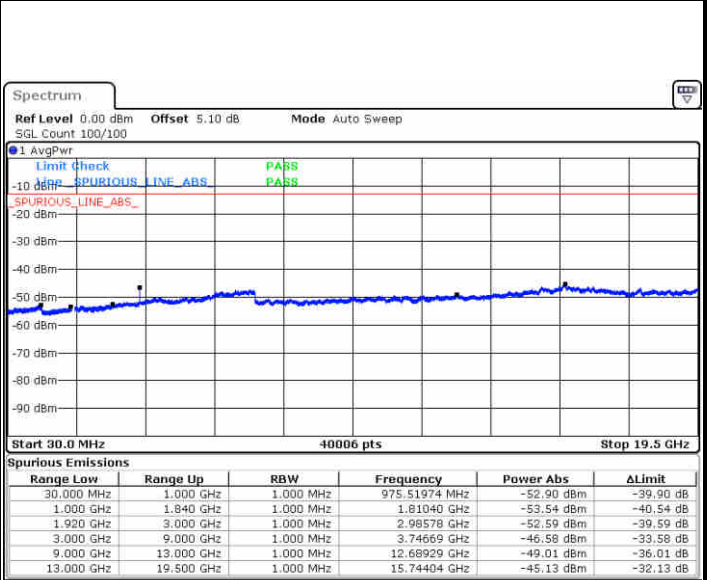
LTE Band 2 / 15MHz

Lowest Channel / 64QAM



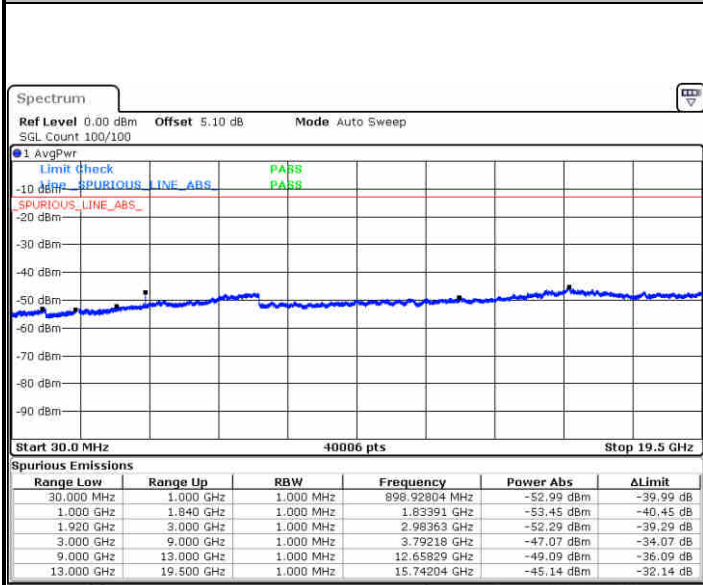
Date: 25 JUN.2020 10:39:21

Middle Channel / 64QAM



Date: 25 JUN.2020 10:40:18

Highest Channel / 64QAM



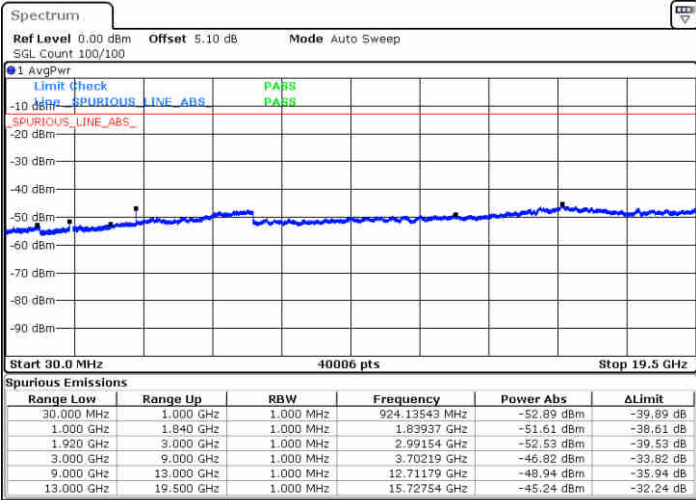
Date: 25 JUN.2020 10:41:15



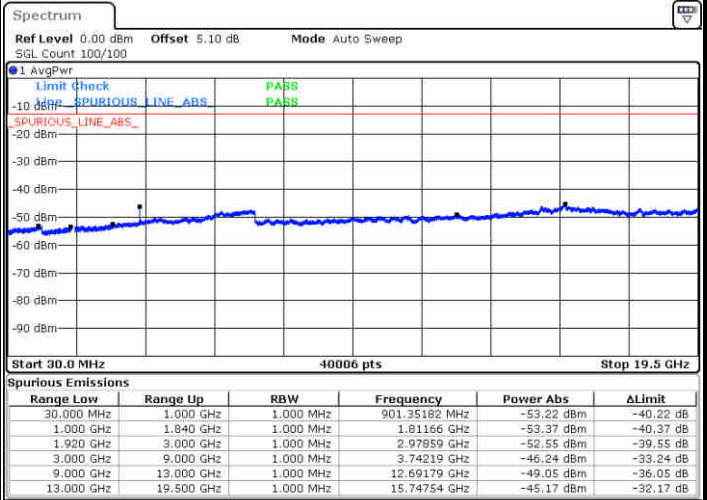
LTE Band 2 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

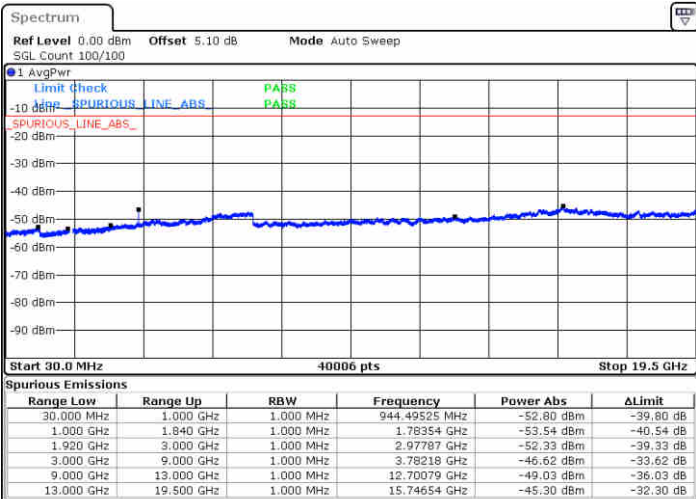


Date: 25 JUN 2020 10:42:12



Date: 25 JUN 2020 10:43:09

Highest Channel / 64QAM



Date: 25 JUN 2020 10:44:05



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	0.0012	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.5V. ; Maximum Voltage =4.4 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	3.45	4.70	4.93	5.59	PASS
Middle CH	3.48	4.61	5.10	5.54	
Highest CH	3.42	4.55	4.96	5.51	
Mode	LTE Band 5 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.80	6.32	-	-	PASS
Middle CH	5.94	6.26	-	-	
Highest CH	6.26	6.03	-	-	