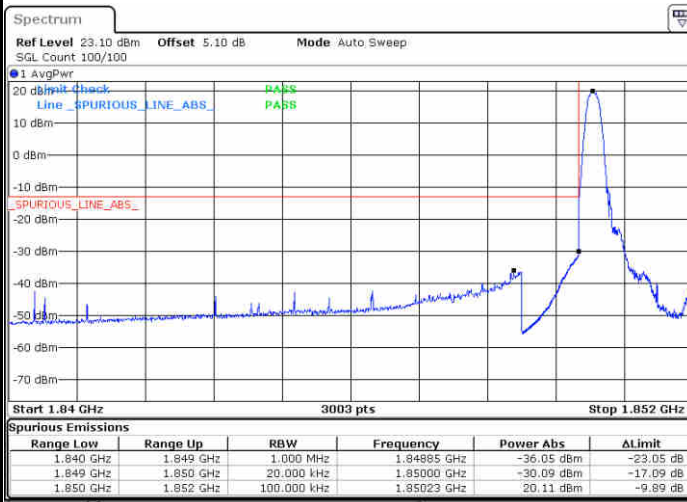




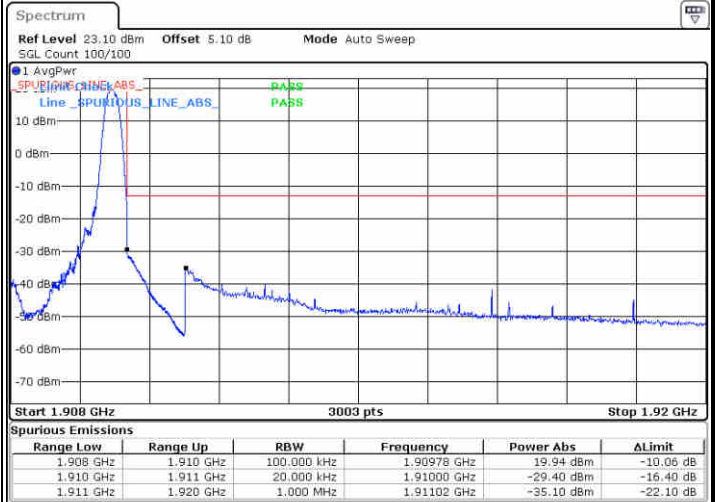
LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



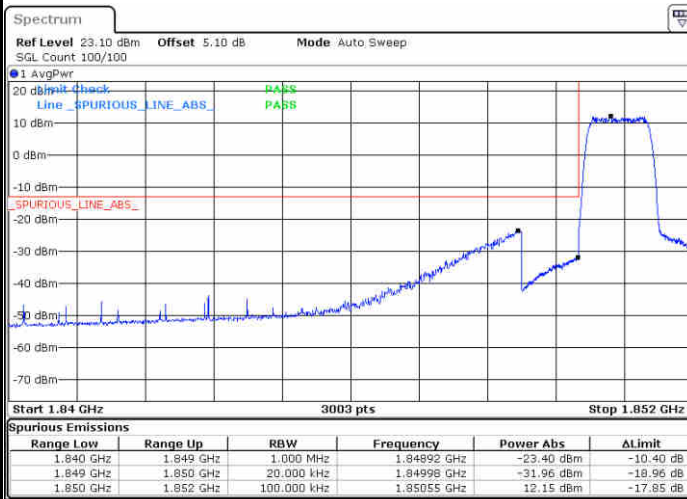
Date: 25 JUN 2020 09:28:07

Highest Band Edge / 1 RB



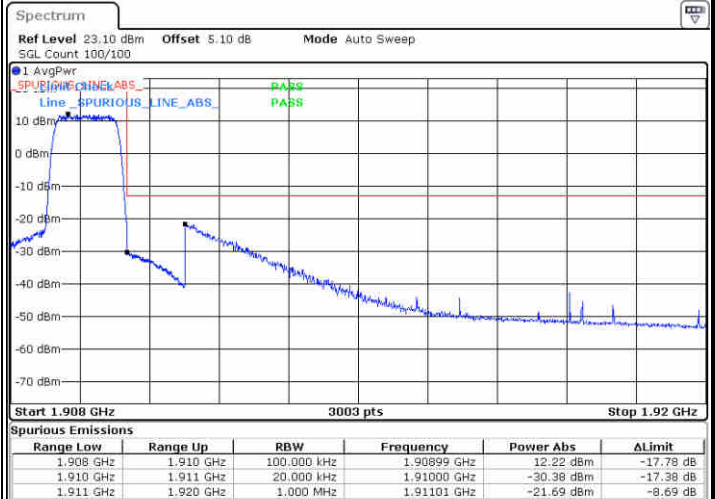
Date: 25 JUN 2020 09:37:39

Lowest Band Edge / Full RB



Date: 25 JUN 2020 09:30:24

Highest Band Edge / Full RB

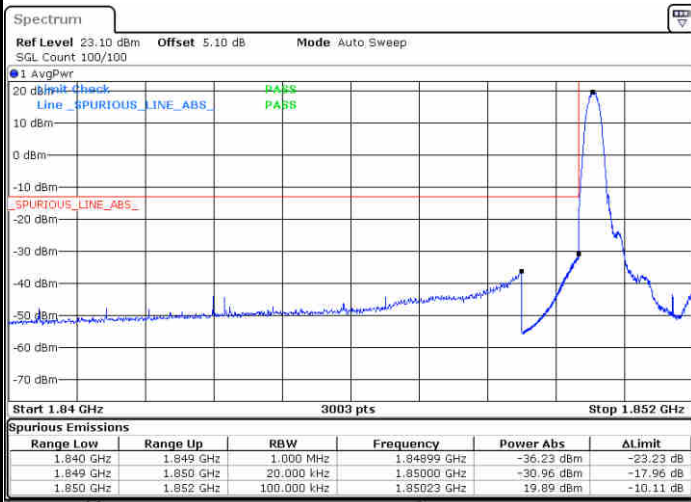


Date: 25 JUN 2020 09:39:56



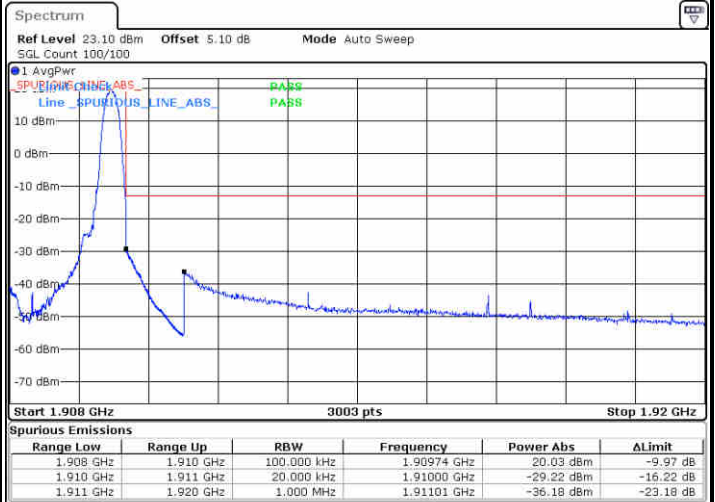
LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



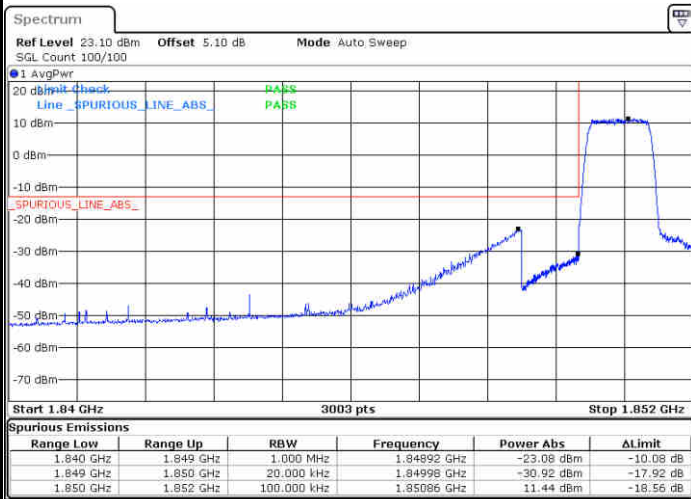
Date: 25 JUN 2020 10:01:01

Highest Band Edge / 1 RB



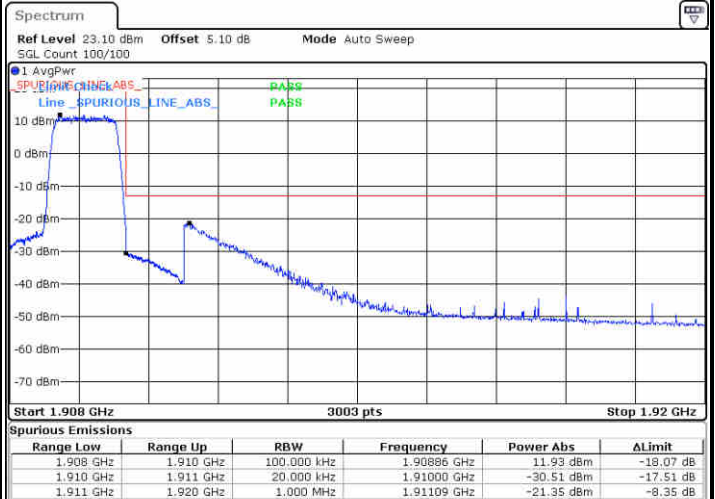
Date: 25 JUN 2020 10:03:18

Lowest Band Edge / Full RB



Date: 25 JUN 2020 10:02:09

Highest Band Edge / Full RB

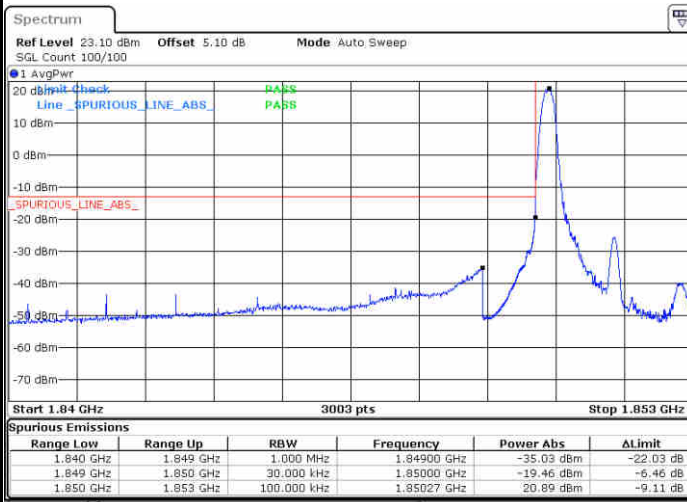


Date: 25 JUN 2020 10:04:26



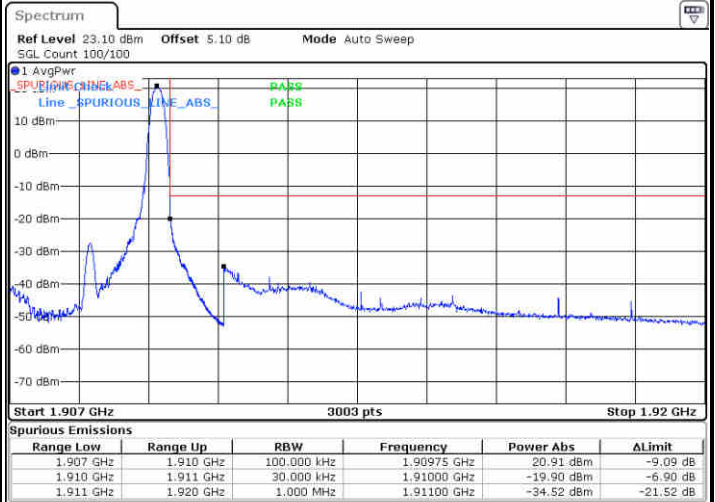
LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB



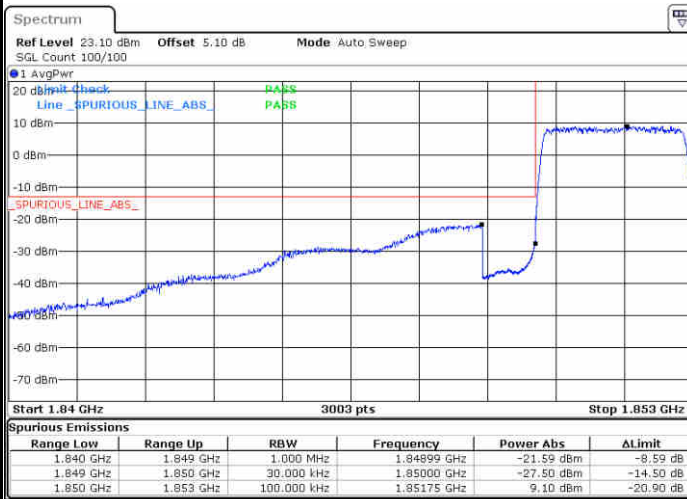
Date: 25 JUN 2020 09:43:34

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

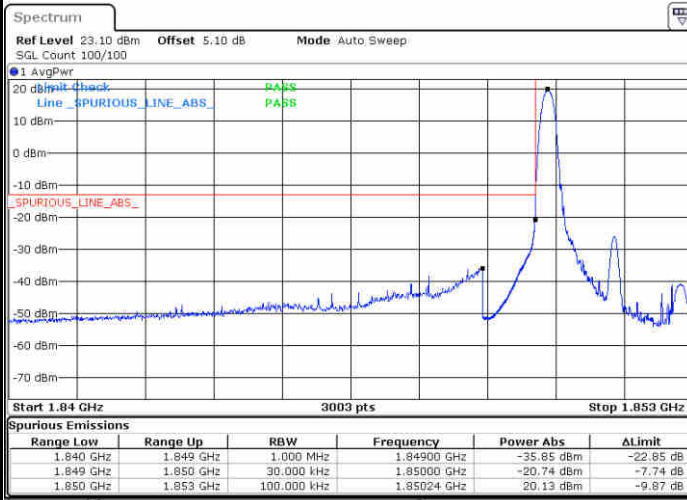


Date: 25 JUN 2020 09:55:23



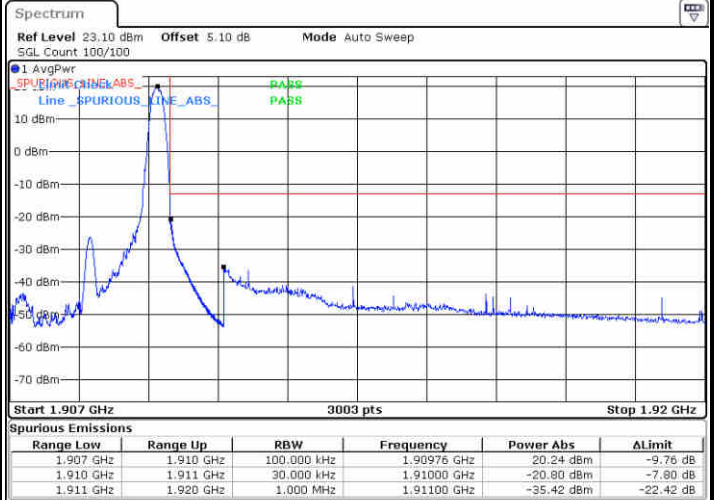
LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



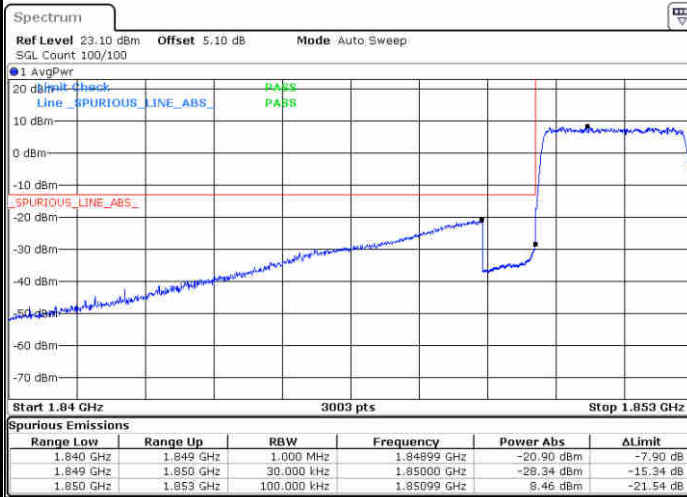
Date: 25 JUN 2020 09:44:42

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

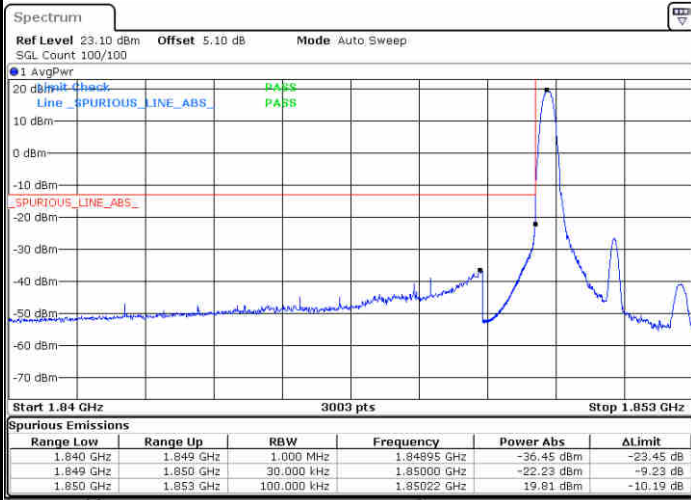


Date: 25 JUN 2020 09:56:32



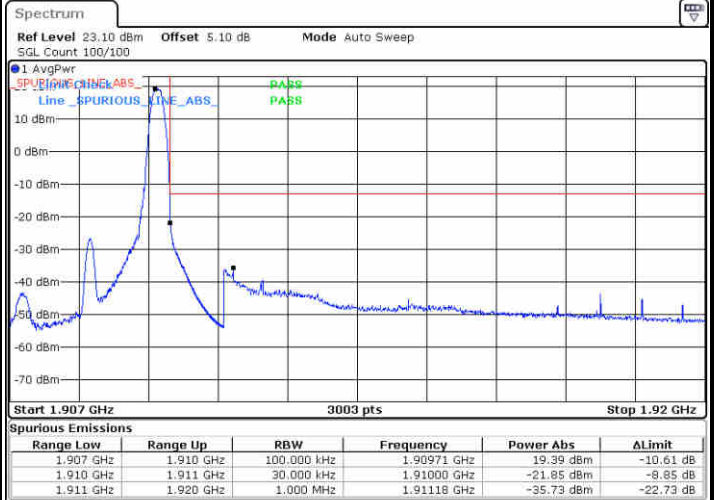
LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



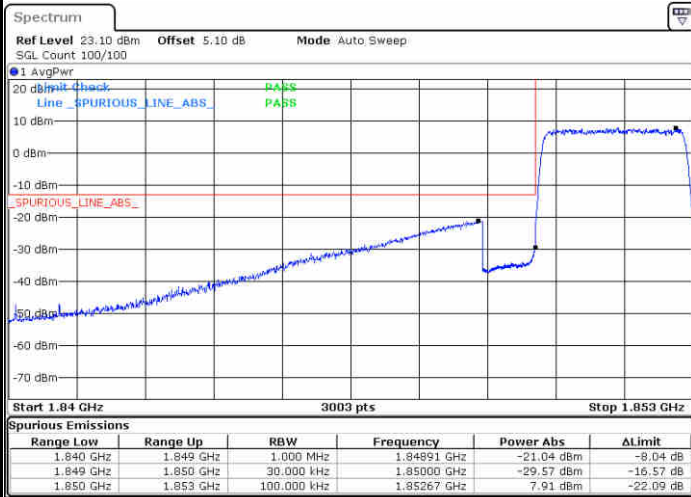
Date: 25 JUN 2020 10:05:34

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

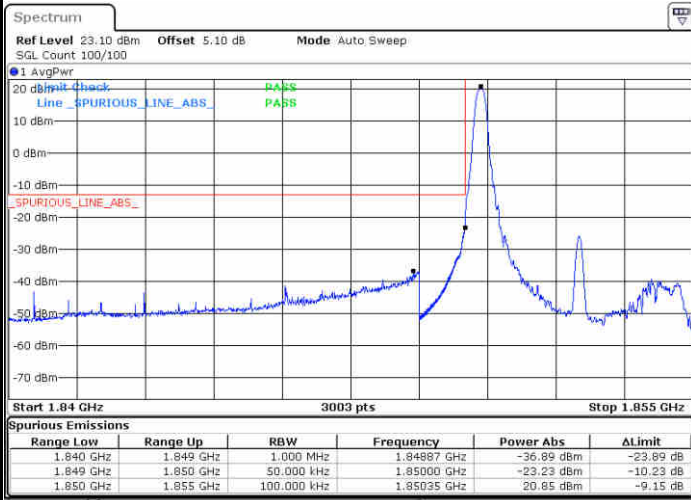


Date: 25 JUN 2020 10:07:50



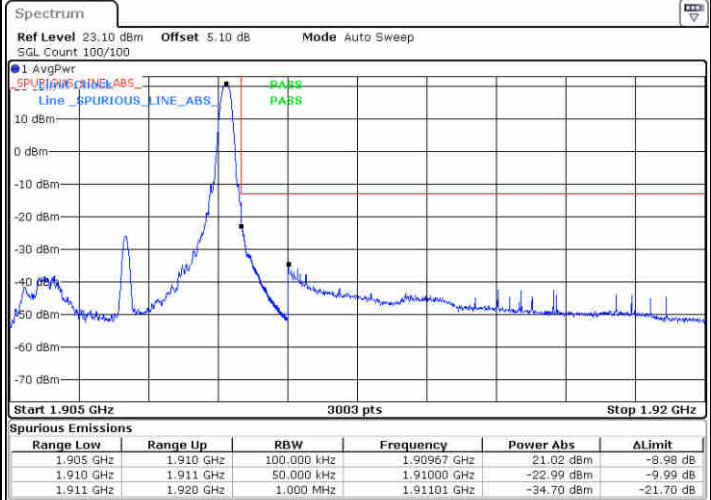
LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB



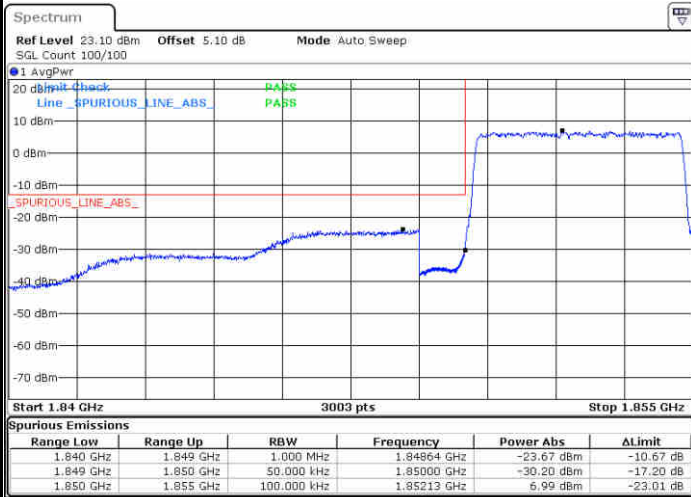
Date: 25 JUN 2020 10:00:09

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

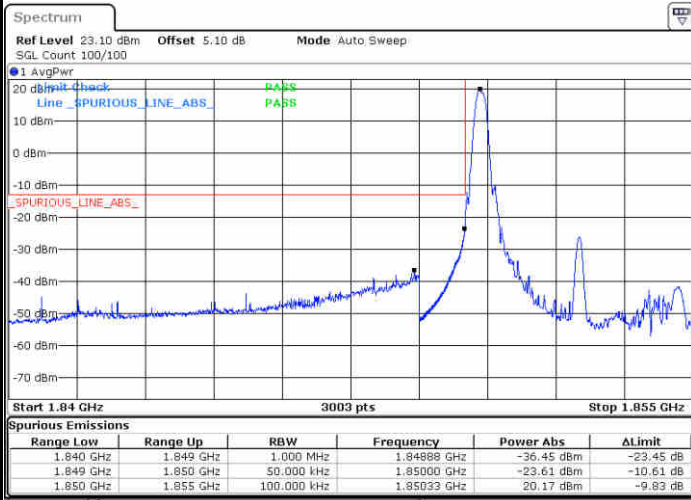


Date: 25 JUN 2020 10:11:59



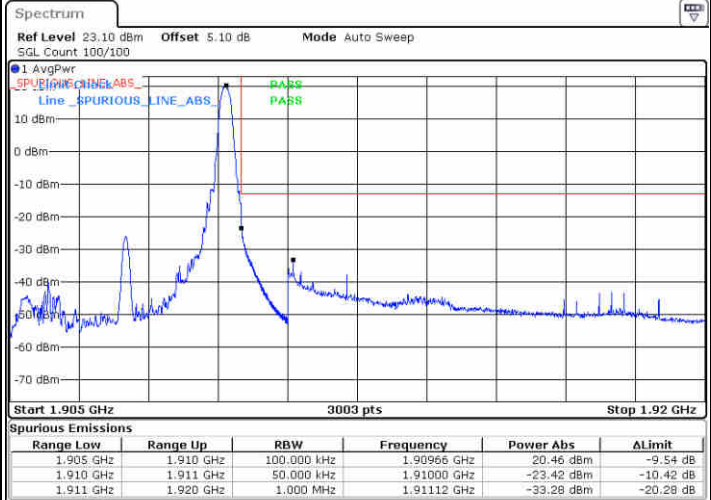
LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



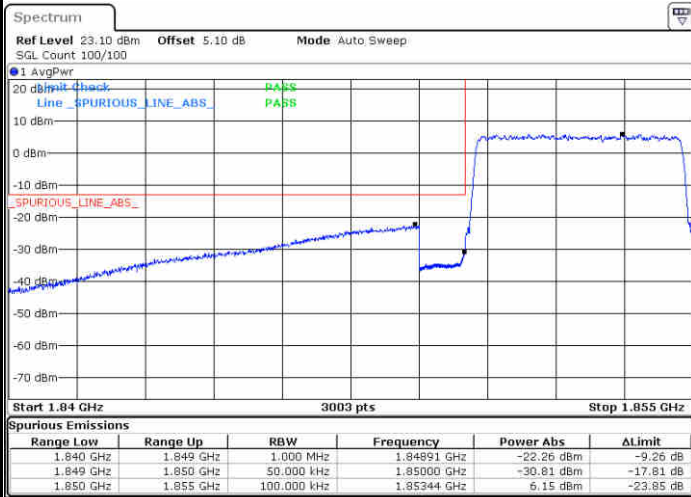
Date: 25 JUN 2020 10:01:18

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

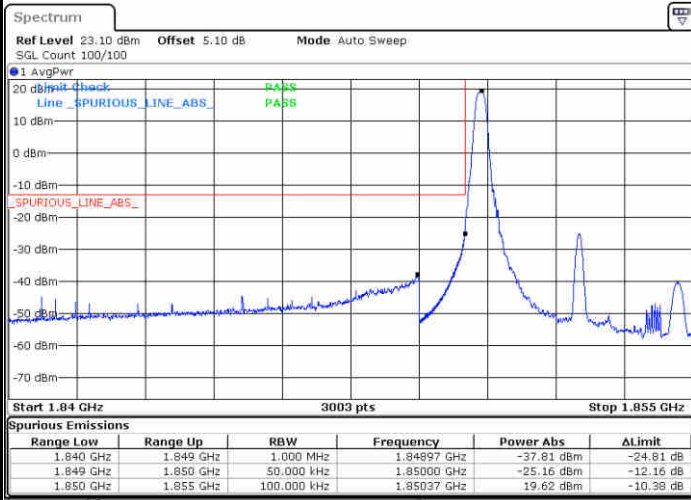


Date: 25 JUN 2020 10:13:08



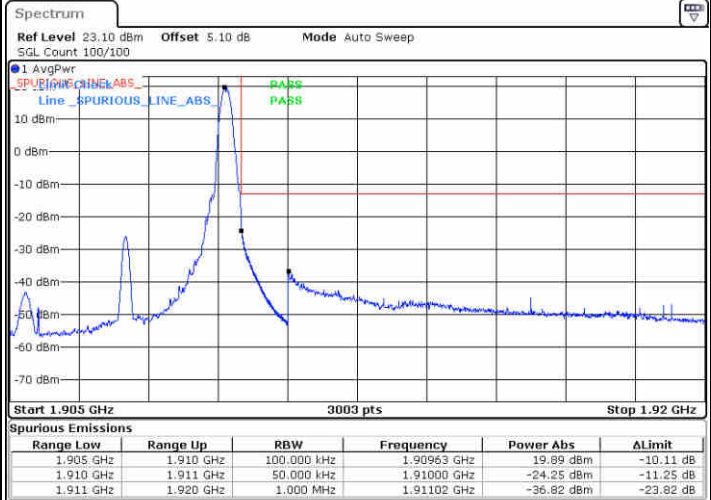
LTE Band 2 / 5MHz / 64QAM

Lowest Band Edge / 1RB



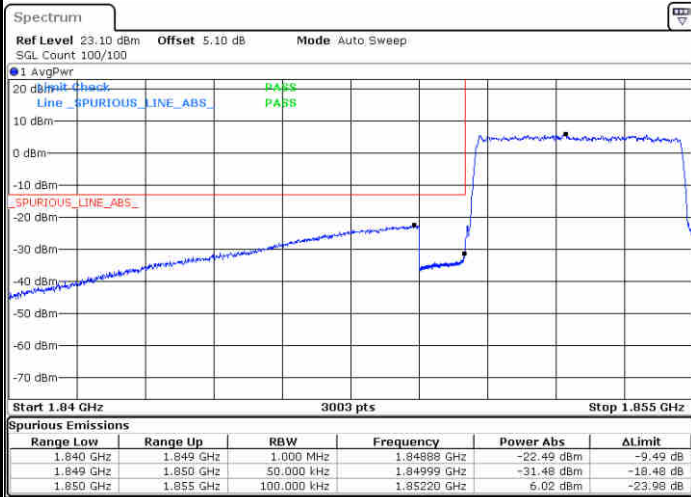
Date: 25 JUN 2020 10:10:06

Highest Band Edge / 1 RB



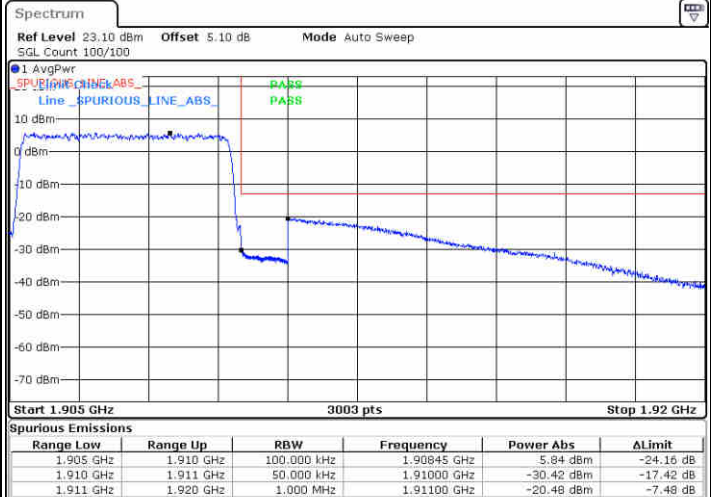
Date: 25 JUN 2020 10:13:30

Lowest Band Edge / Full RB



Date: 25 JUN 2020 10:11:14

Highest Band Edge / Full RB

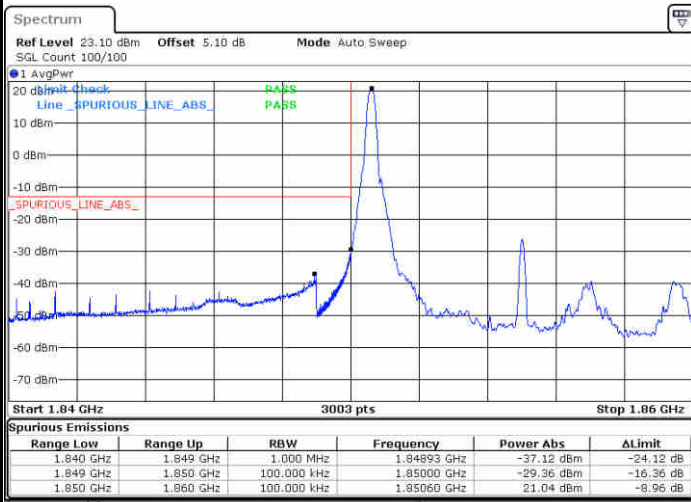


Date: 25 JUN 2020 10:12:22



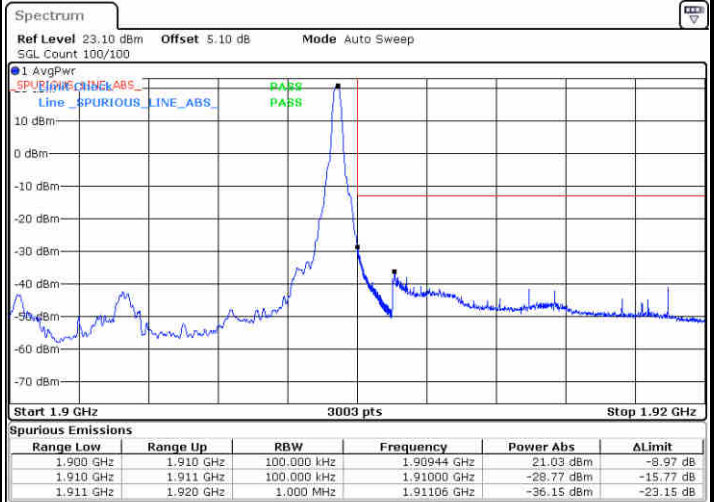
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



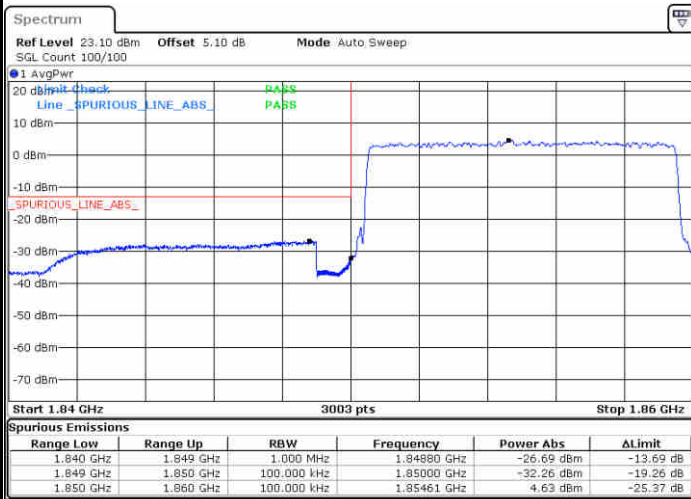
Date: 25 JUN 2020 09:03:30

Highest Band Edge / 1 RB



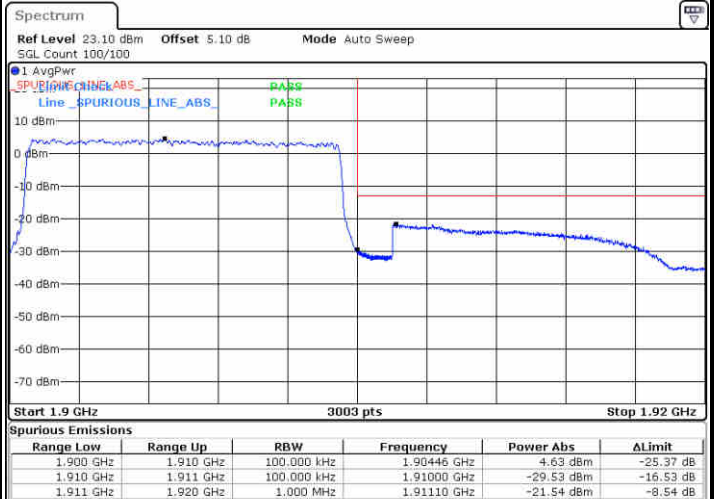
Date: 25 JUN 2020 09:13:12

Lowest Band Edge / Full RB



Date: 25 JUN 2020 09:05:17

Highest Band Edge / Full RB

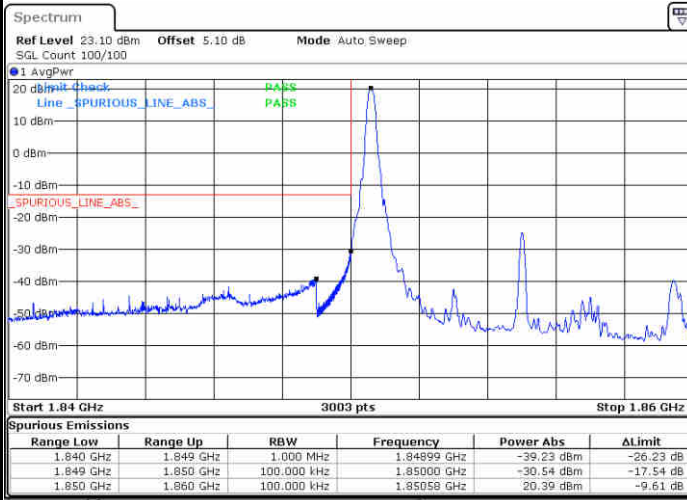


Date: 25 JUN 2020 09:15:29



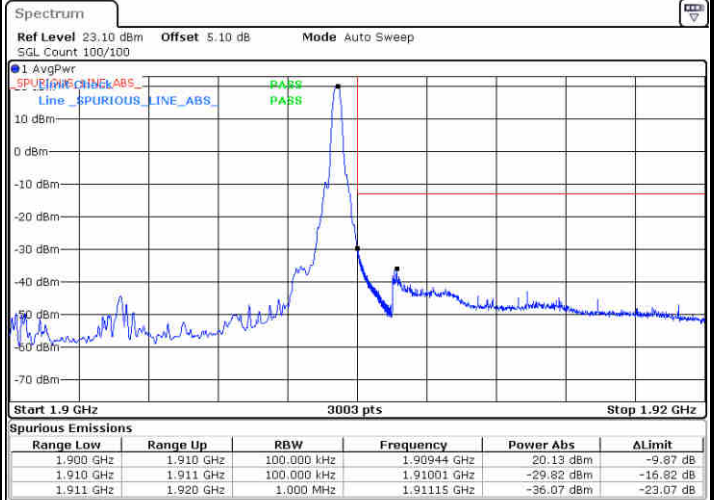
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



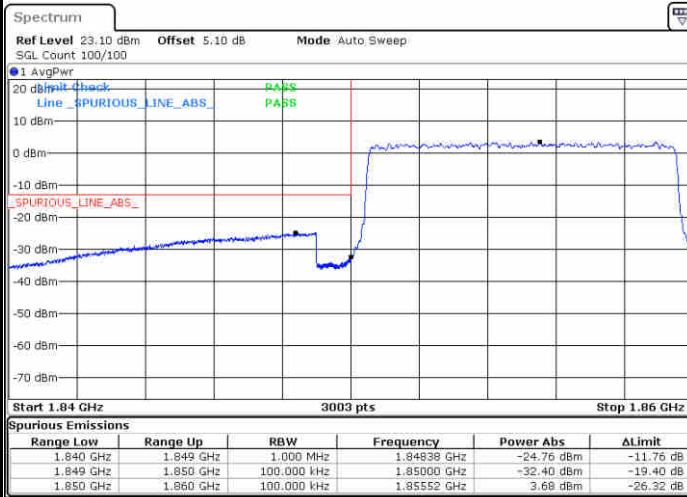
Date: 25 JUN 2020 09:04:39

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

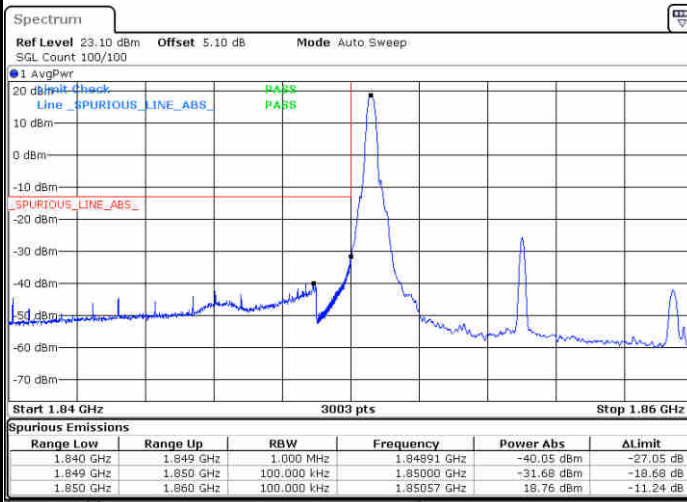


Date: 25 JUN 2020 09:16:37



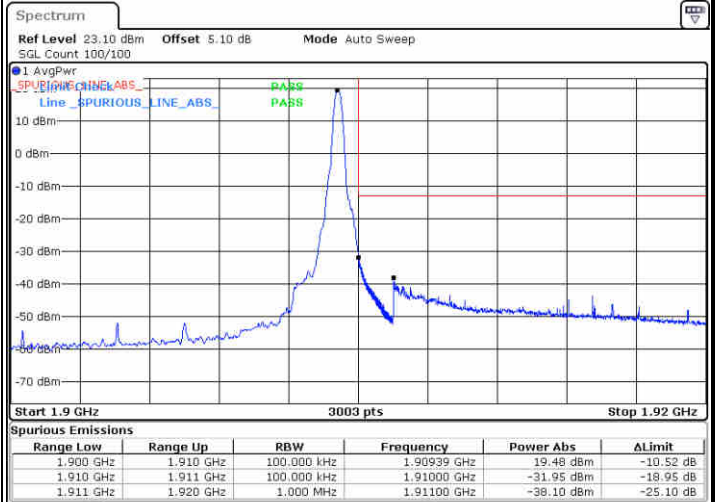
LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



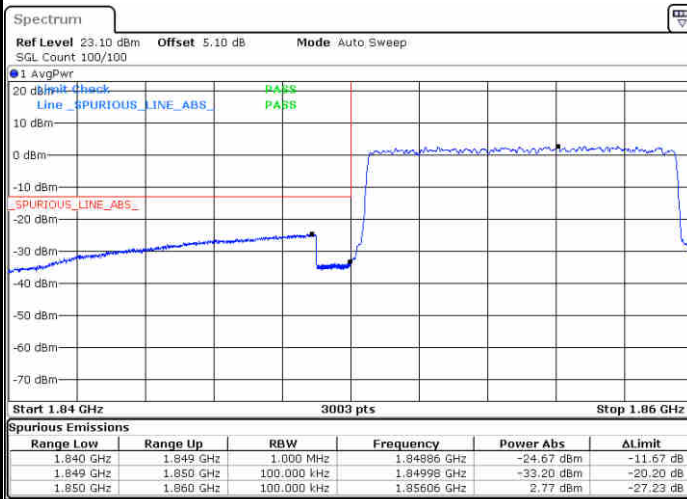
Date: 25 JUN 2020 10:14:38

Highest Band Edge / 1 RB



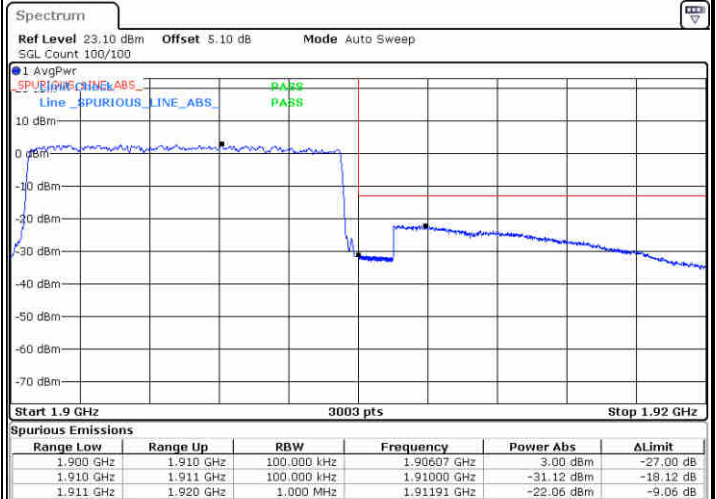
Date: 25 JUN 2020 10:18:02

Lowest Band Edge / Full RB



Date: 25 JUN 2020 10:15:46

Highest Band Edge / Full RB

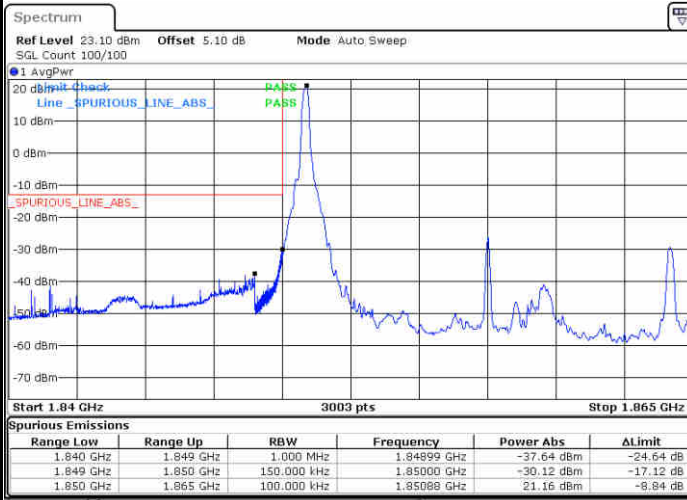


Date: 25 JUN 2020 10:16:54



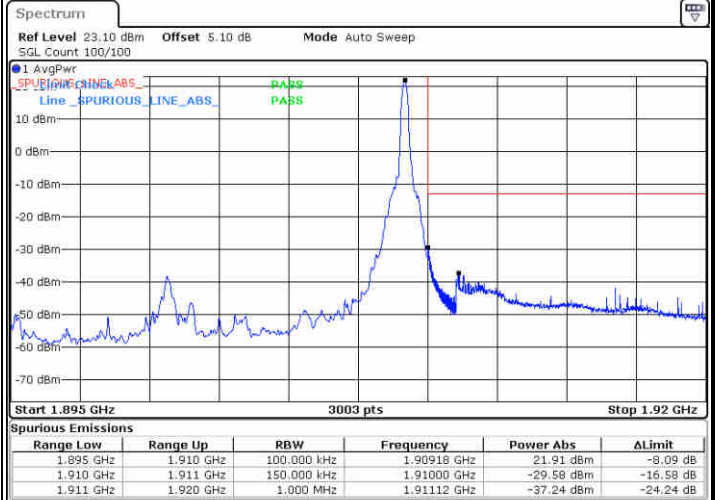
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



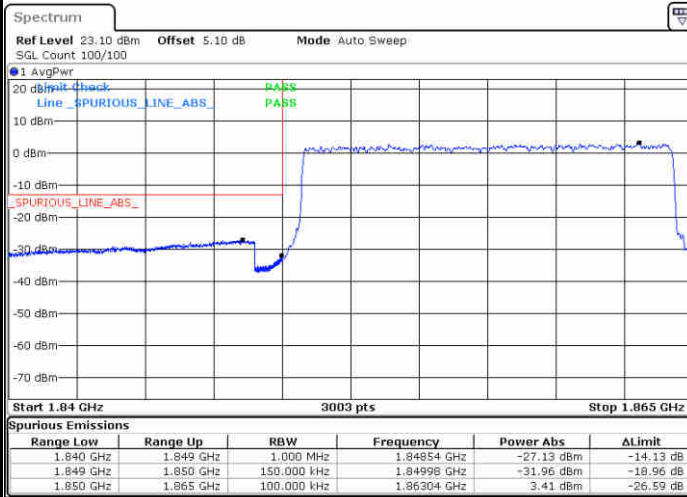
Date: 25 JUN 2020 09:20:20

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

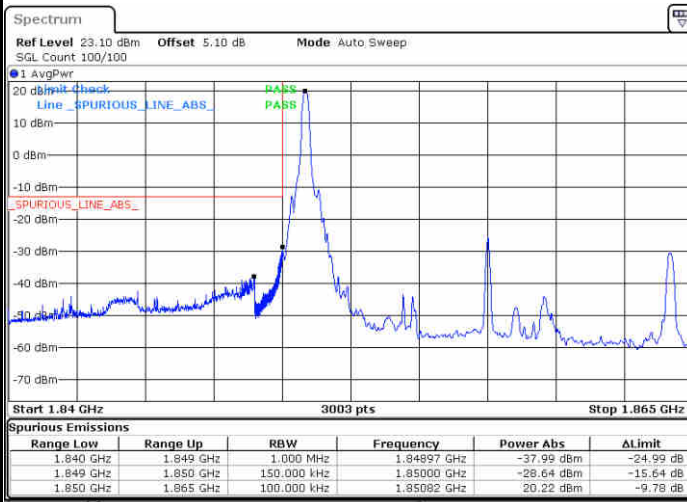


Date: 25 JUN 2020 09:32:17



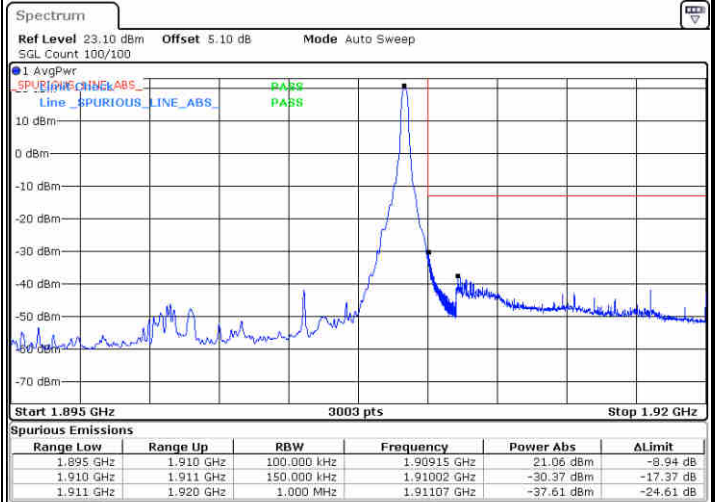
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



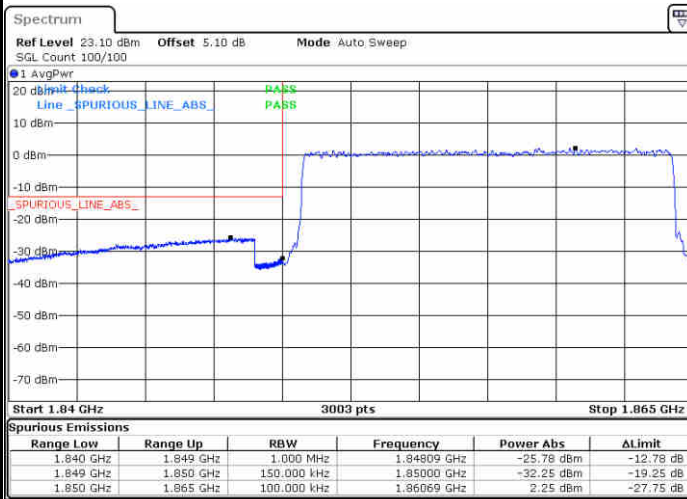
Date: 25 JUN 2020 09:21:28

Highest Band Edge / 1 RB



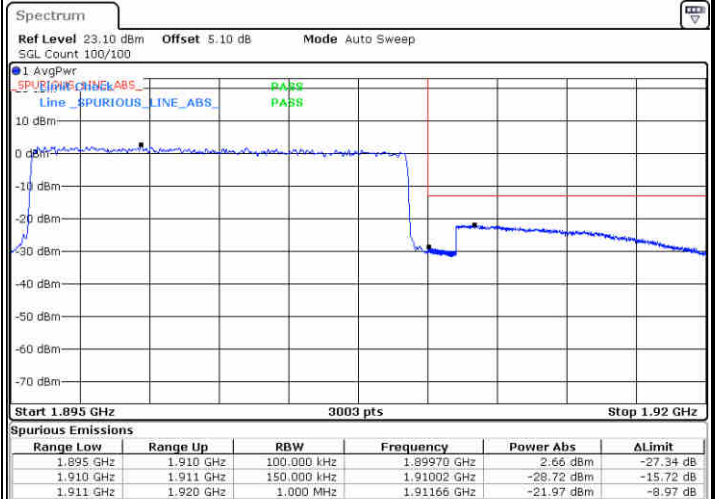
Date: 25 JUN 2020 09:31:09

Lowest Band Edge / Full RB



Date: 25 JUN 2020 09:23:45

Highest Band Edge / Full RB

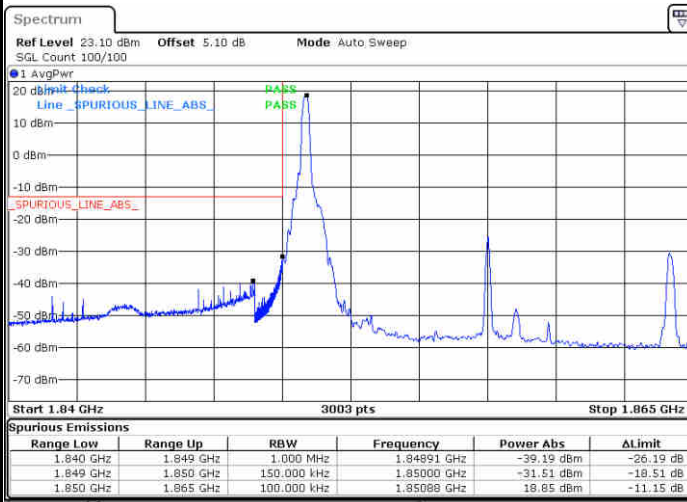


Date: 25 JUN 2020 09:33:25



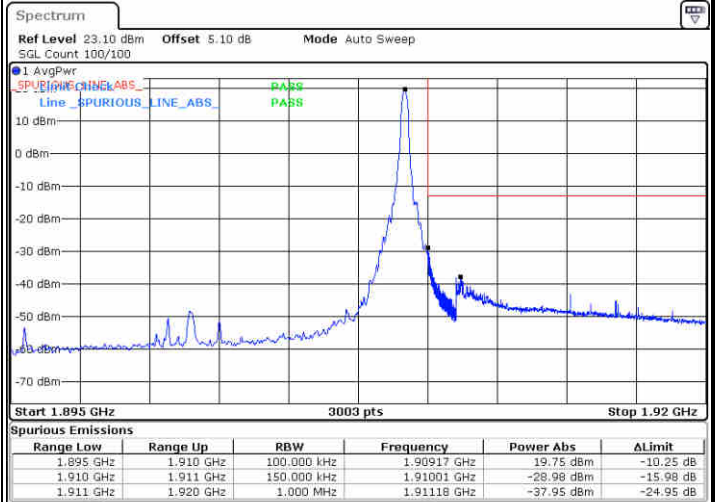
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



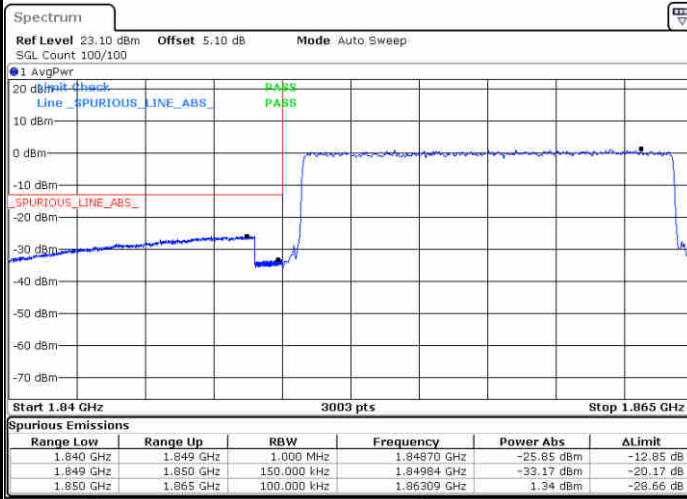
Date: 25 JUN 2020 10:19:10

Highest Band Edge / 1 RB



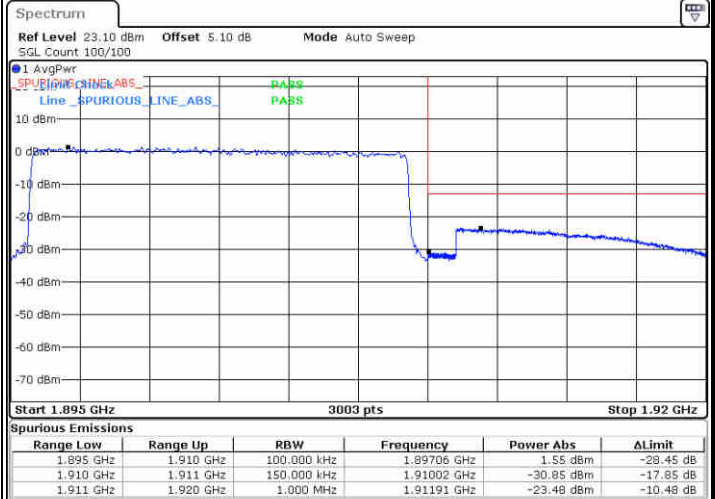
Date: 25 JUN 2020 10:22:34

Lowest Band Edge / Full RB



Date: 25 JUN 2020 10:20:18

Highest Band Edge / Full RB

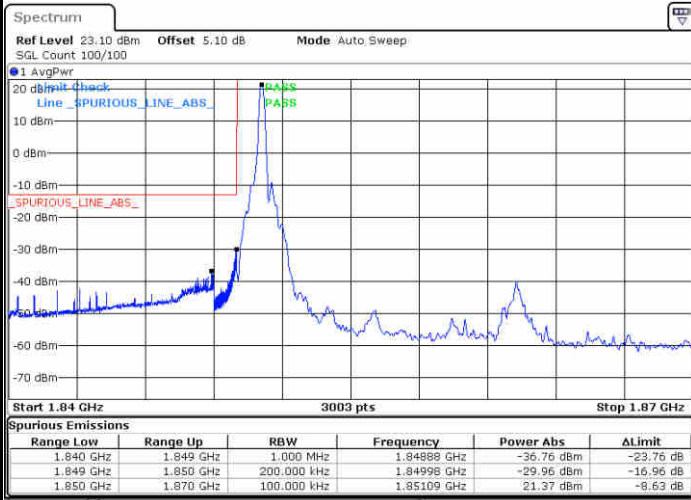


Date: 25 JUN 2020 10:21:26



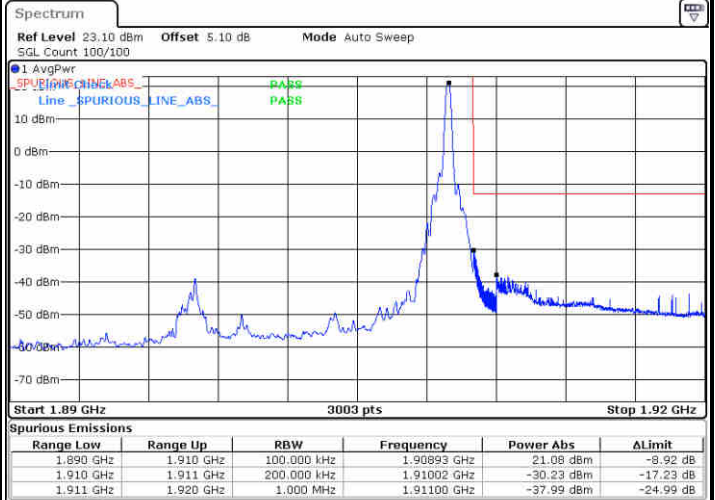
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



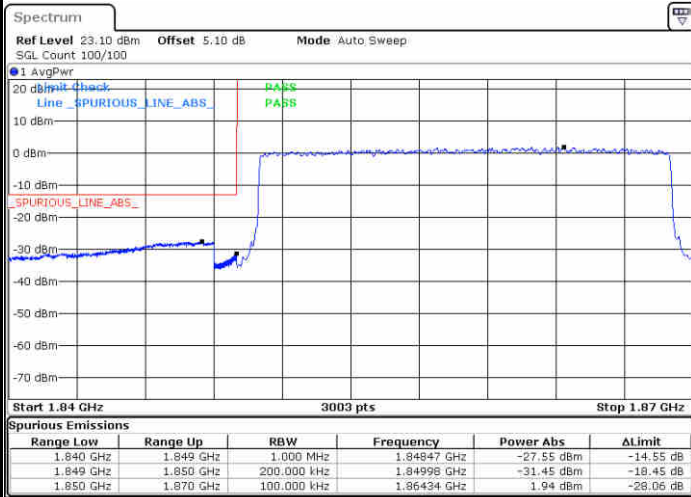
Date: 25 JUN 2020 09:37:07

Highest Band Edge / 1 RB



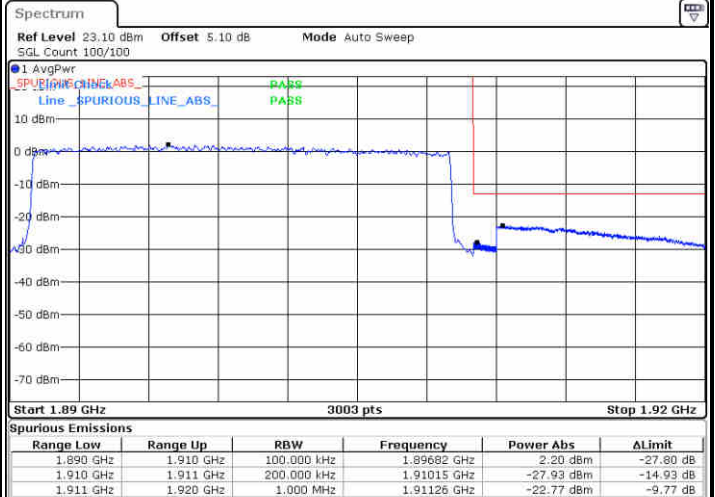
Date: 25 JUN 2020 09:46:47

Lowest Band Edge / Full RB



Date: 25 JUN 2020 09:39:23

Highest Band Edge / Full RB

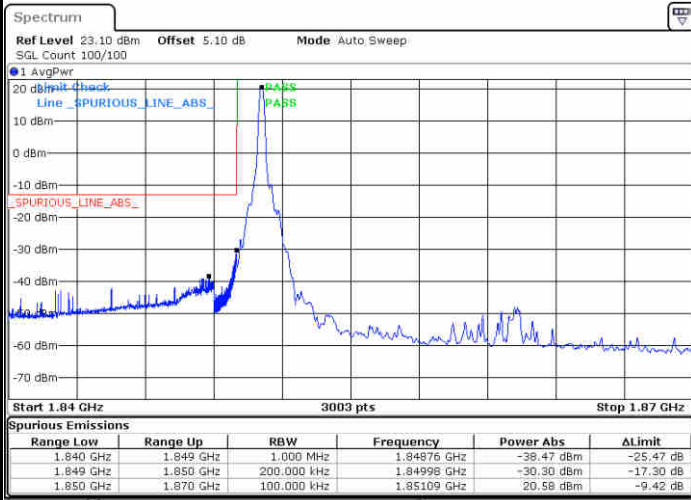


Date: 25 JUN 2020 09:48:03



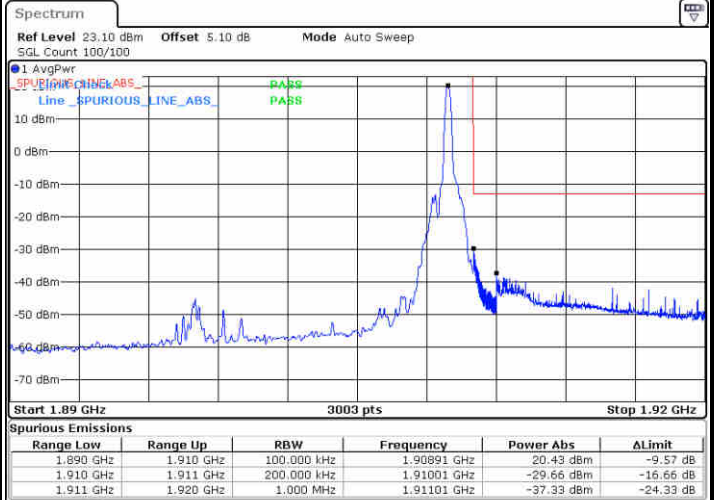
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



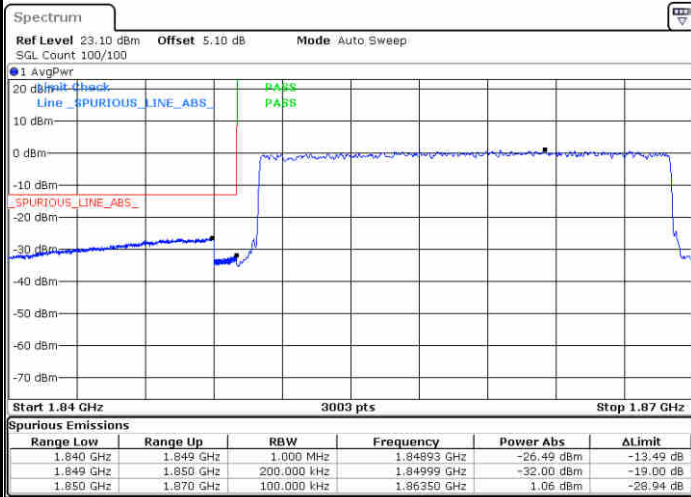
Date: 25 JUN 2020 09:38:15

Highest Band Edge / 1 RB



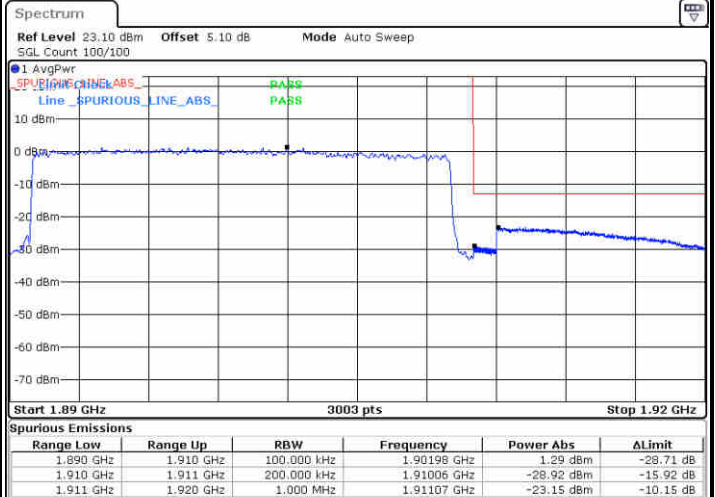
Date: 25 JUN 2020 09:47:55

Lowest Band Edge / Full RB



Date: 25 JUN 2020 09:40:31

Highest Band Edge / Full RB

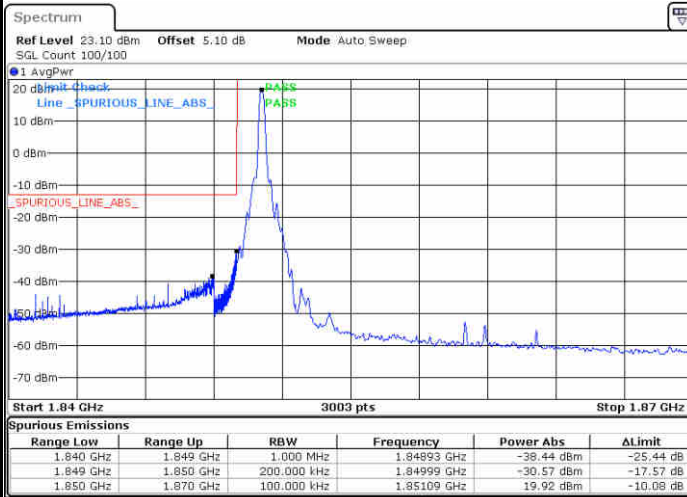


Date: 25 JUN 2020 09:50:11



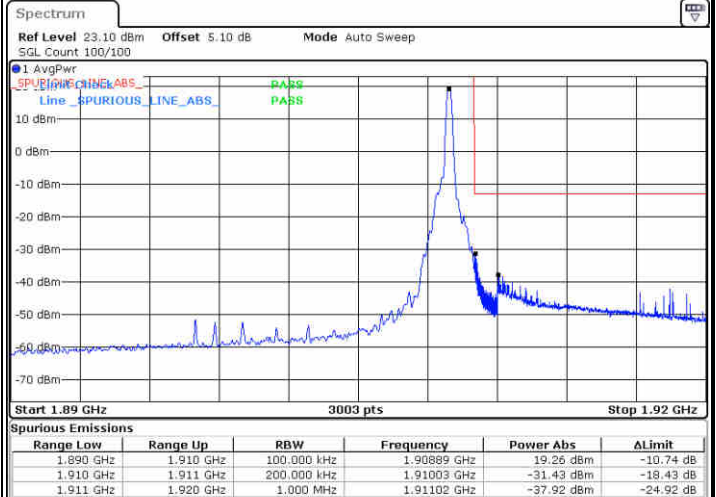
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



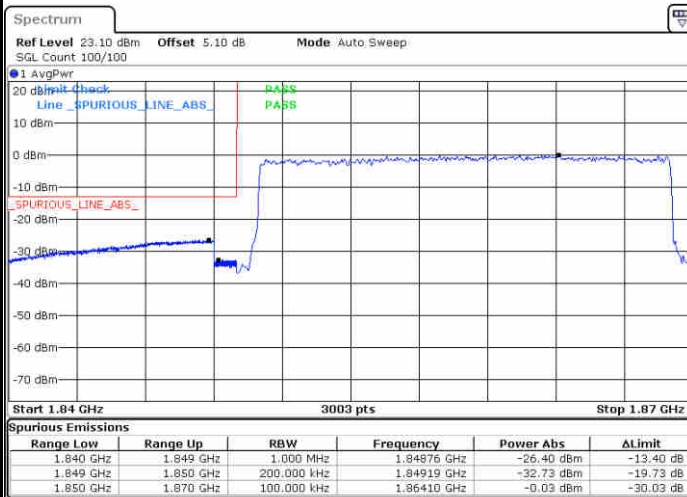
Date: 25 JUN 2020 10:23:42

Highest Band Edge / 1 RB



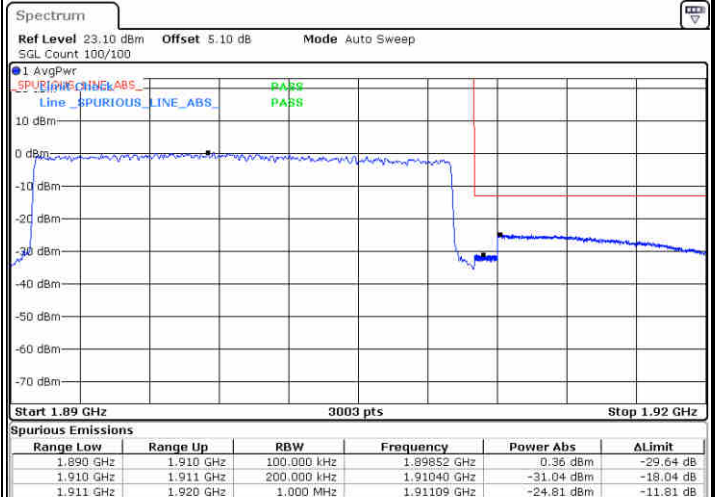
Date: 25 JUN 2020 10:27:06

Lowest Band Edge / Full RB



Date: 25 JUN 2020 10:24:50

Highest Band Edge / Full RB



Date: 25 JUN 2020 10:25:58



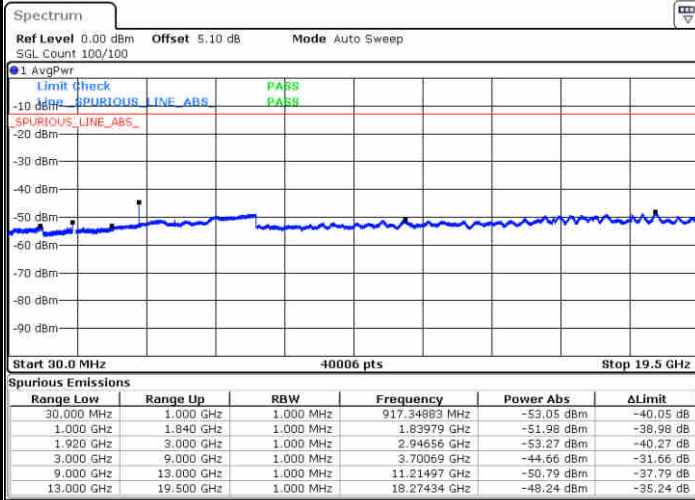
Conducted Spurious Emission



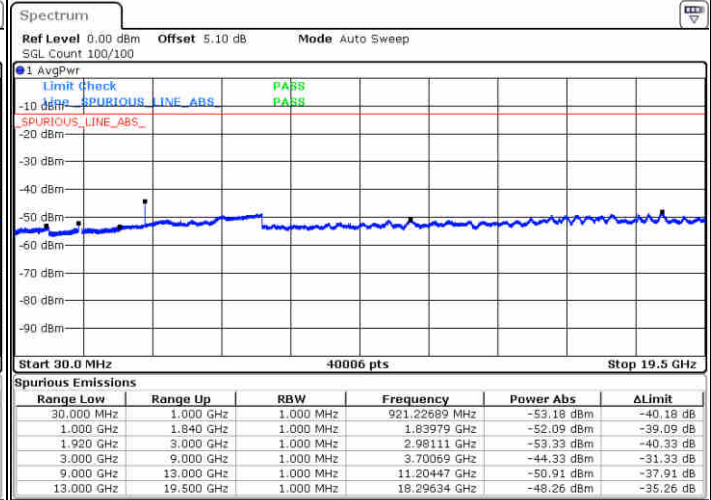
LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



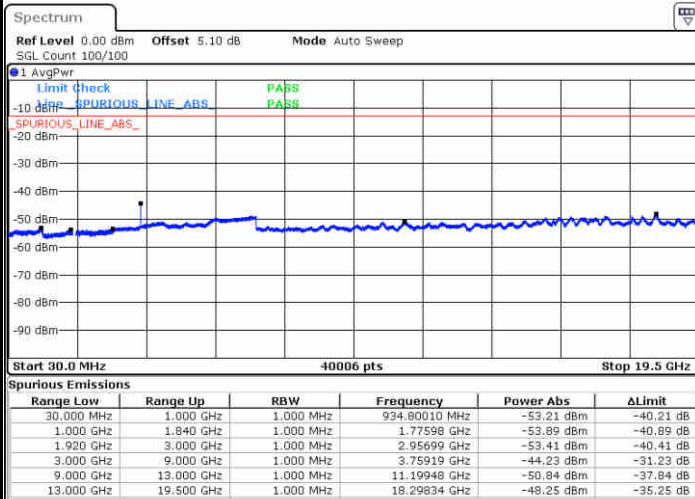
Date: 25 JUN 2020 09:31:19



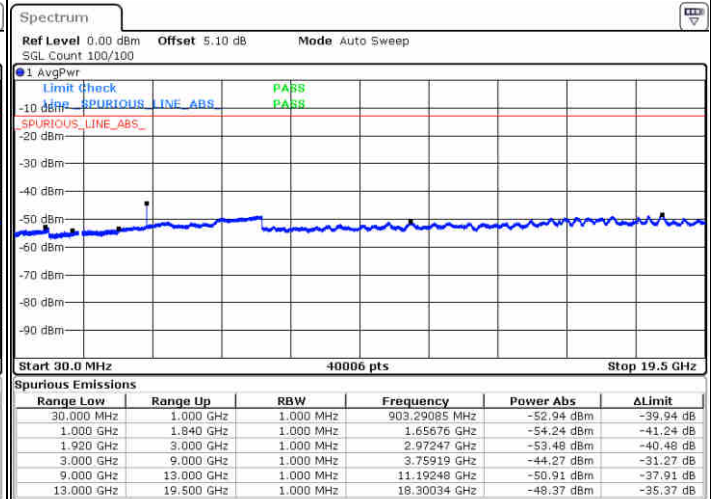
Date: 25 JUN 2020 09:32:13

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 25 JUN 2020 09:33:47

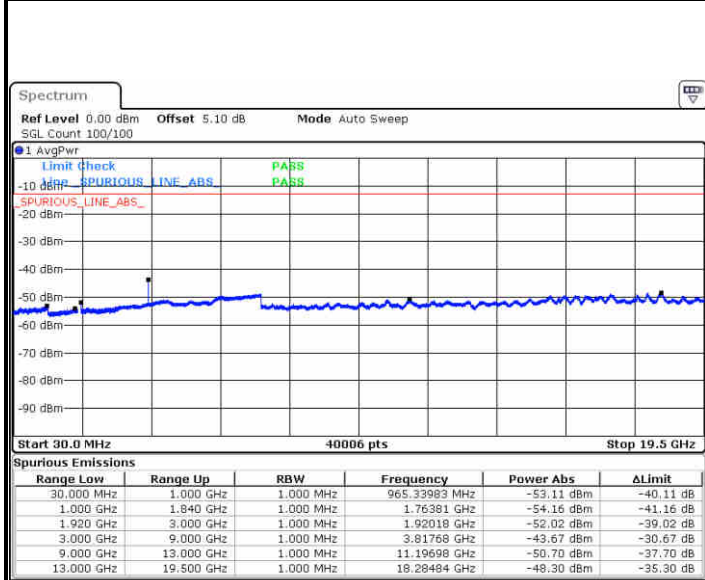


Date: 25 JUN 2020 09:34:41



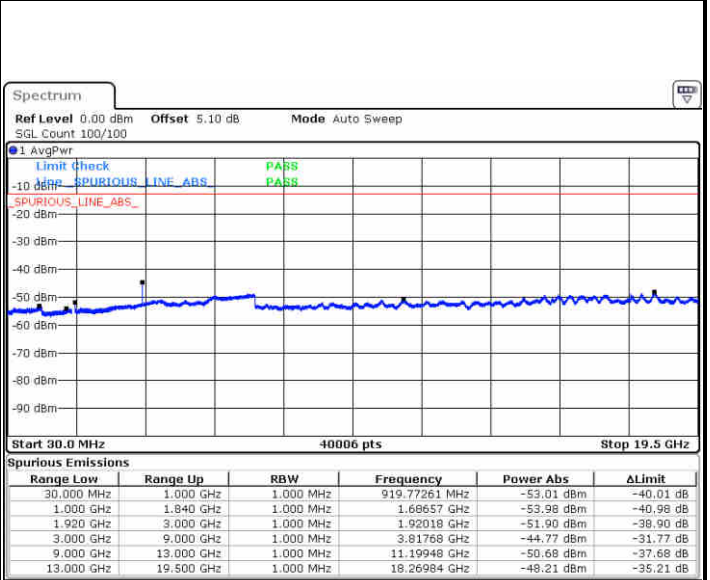
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 25 JUN 2020 09:40:51

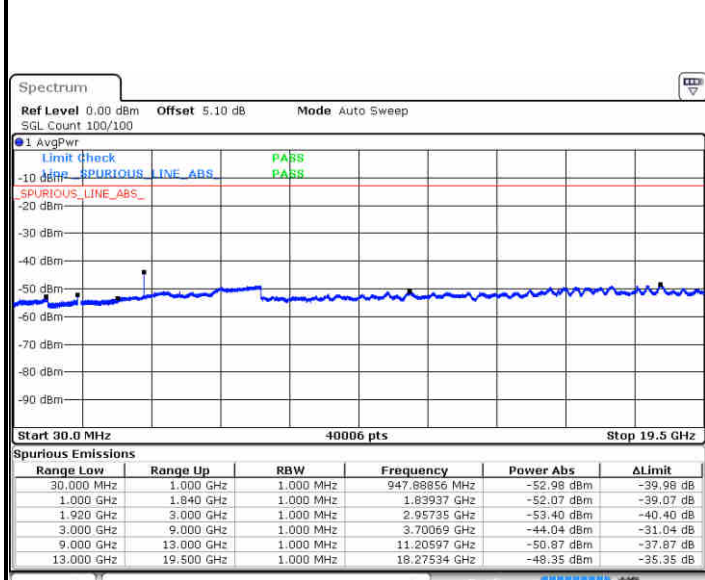
Highest Channel / 16QAM



Date: 25 JUN 2020 09:41:45

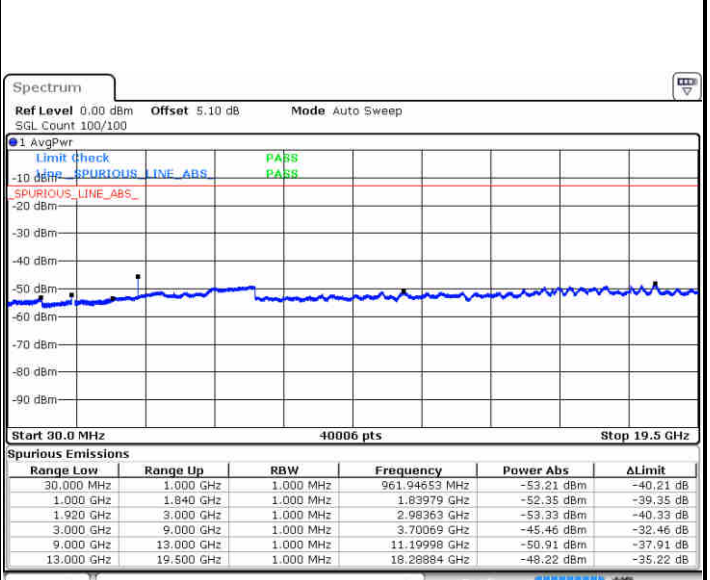
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 25 JUN 2020 09:47:54

Lowest Channel / 16QAM

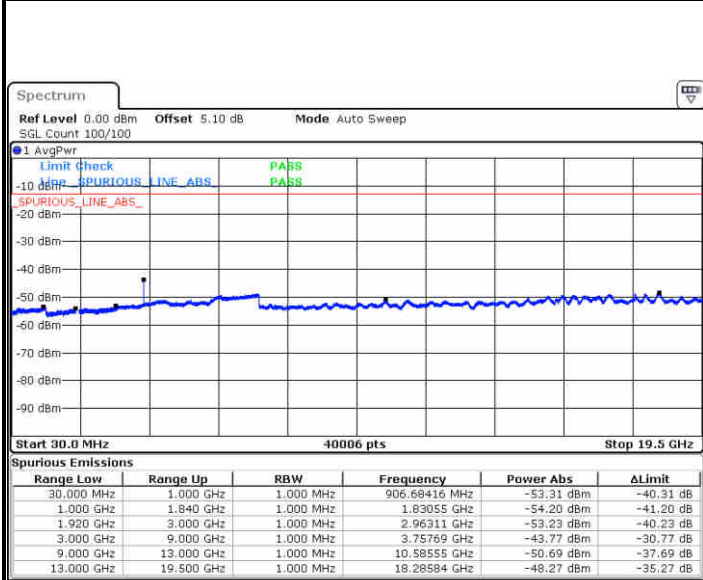


Date: 25 JUN 2020 09:48:49



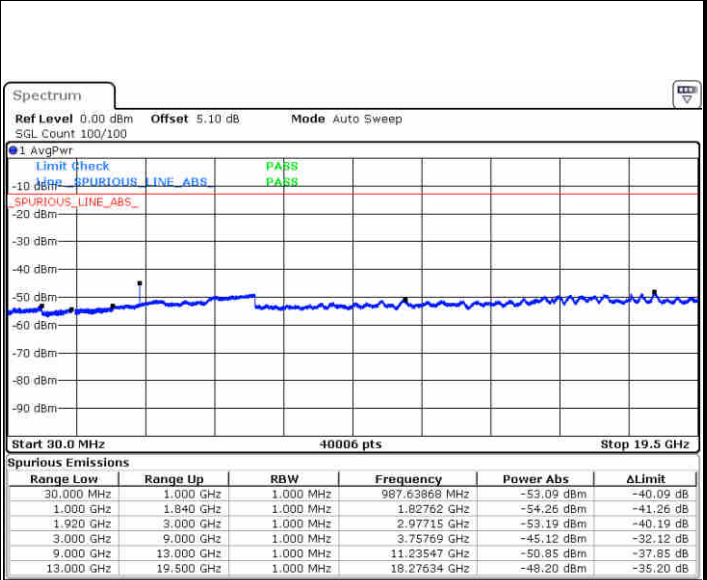
LTE Band 2 / 3MHz

Middle Channel / QPSK



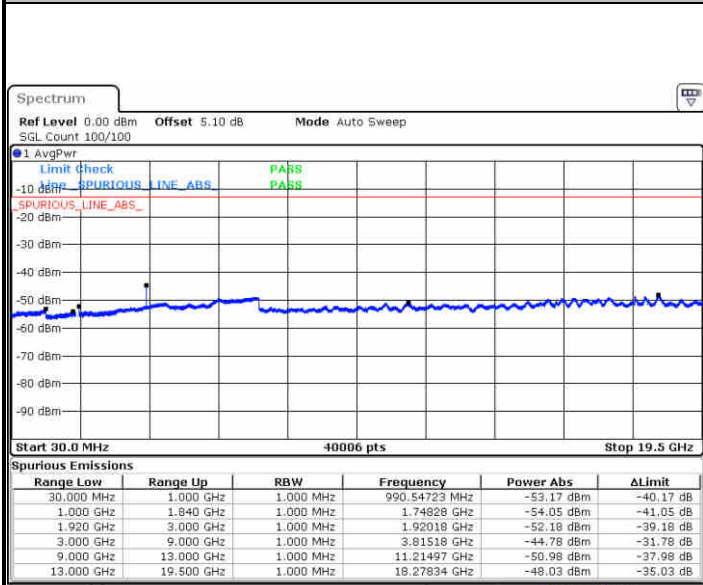
Date: 25 JUN 2020 09:50:23

Middle Channel / 16QAM



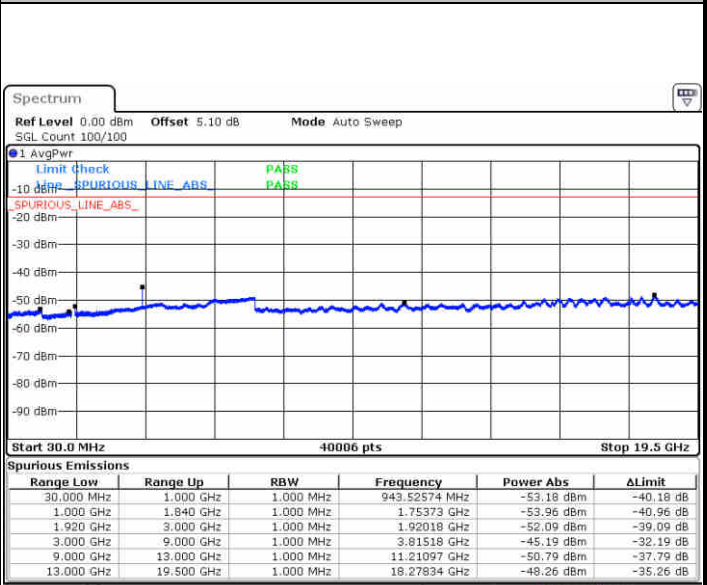
Date: 25 JUN 2020 09:51:17

Highest Channel / QPSK



Date: 25 JUN 2020 09:57:27

Highest Channel / 16QAM

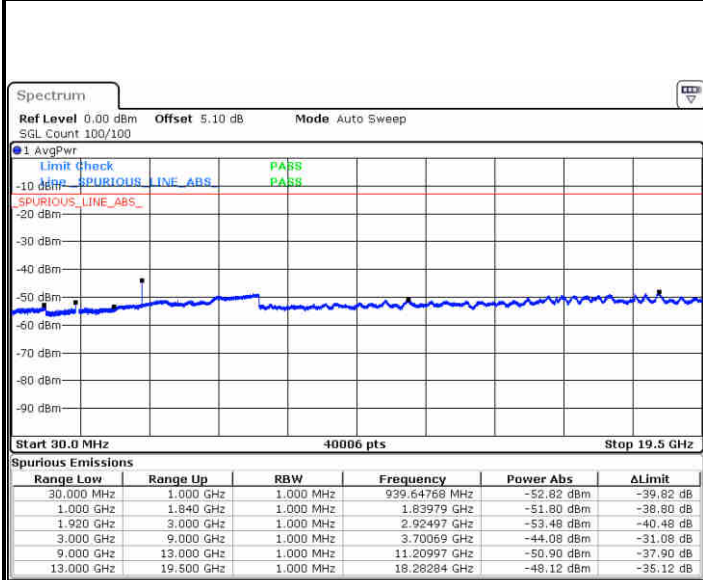


Date: 25 JUN 2020 09:58:21



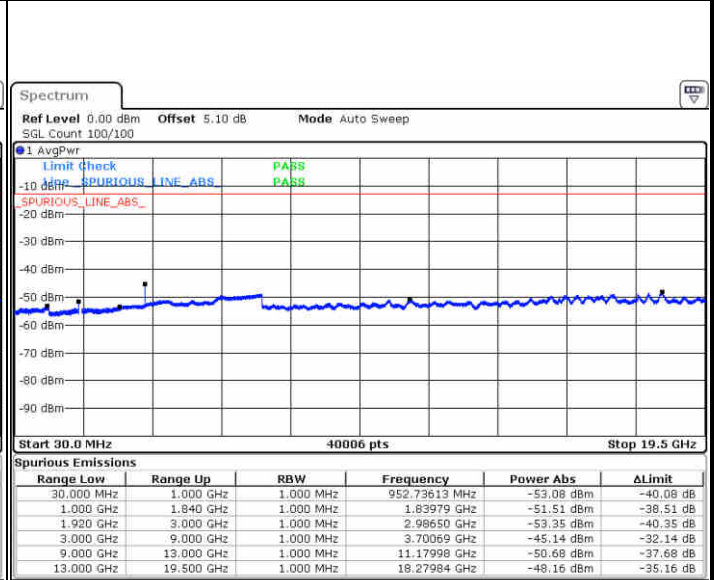
LTE Band 2 / 5MHz

Lowest Channel / QPSK



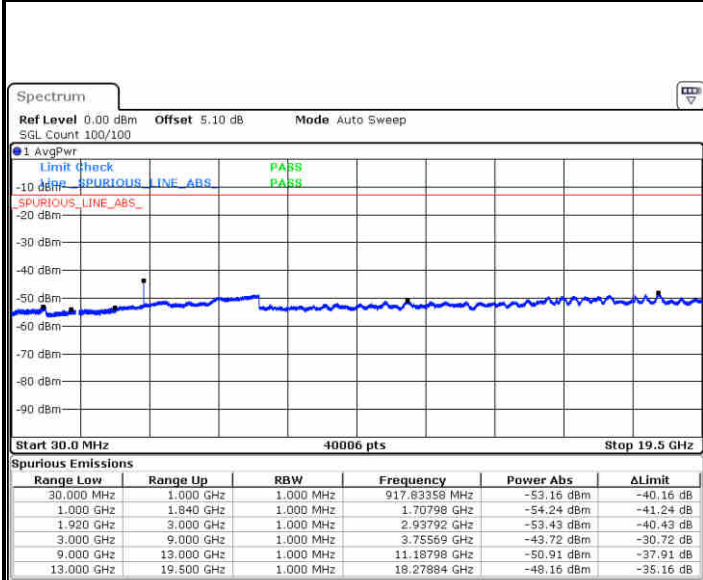
Date: 25 JUN 2020 10 04:30

Lowest Channel / 16QAM



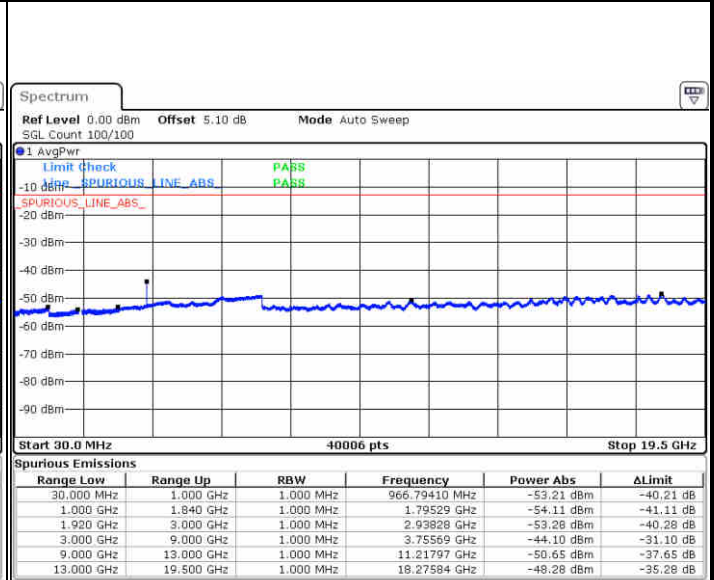
Date: 25 JUN 2020 10 05:24

Middle Channel / QPSK



Date: 25 JUN 2020 10 06:59

Middle Channel / 16QAM

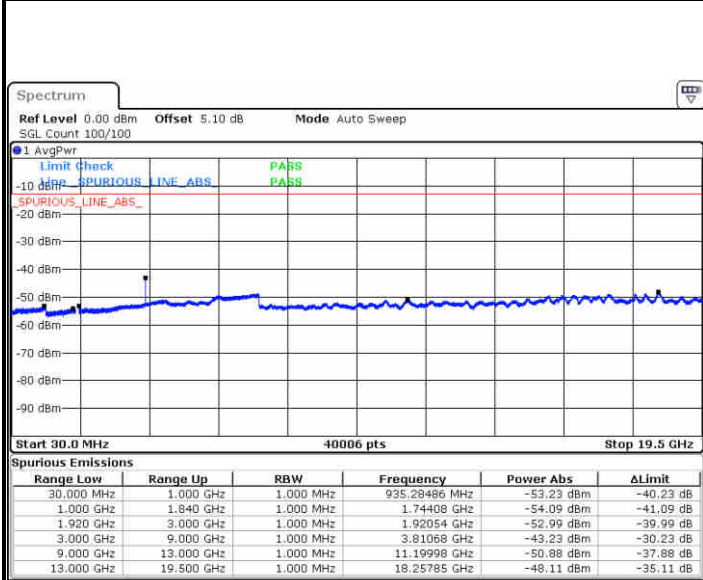


Date: 25 JUN 2020 10 07:53



LTE Band 2 / 5MHz

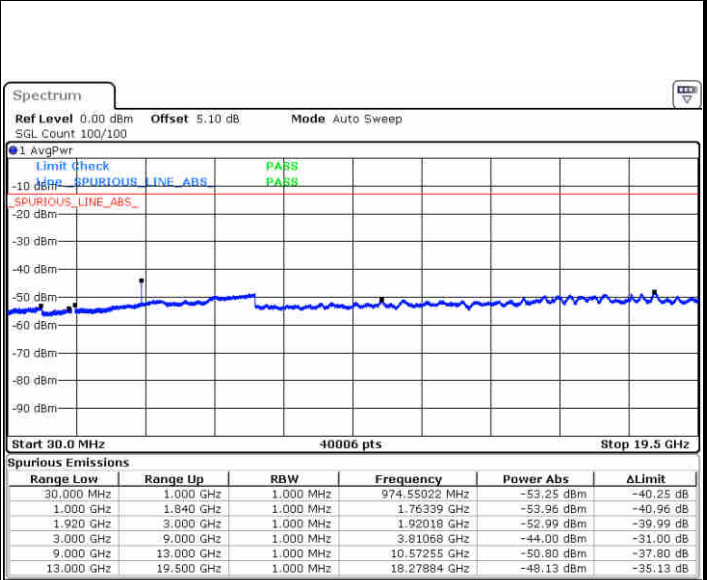
Highest Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-53.23 dBm	-40.23 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.74408 GHz	-54.09 dBm	-41.09 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92054 GHz	-52.99 dBm	-39.99 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81068 GHz	-43.23 dBm	-30.23 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.19998 GHz	-50.88 dBm	-37.88 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.25785 GHz	-48.11 dBm	-35.11 dB

Date: 25 JUN 2020 10:14:03

Highest Channel / 16QAM

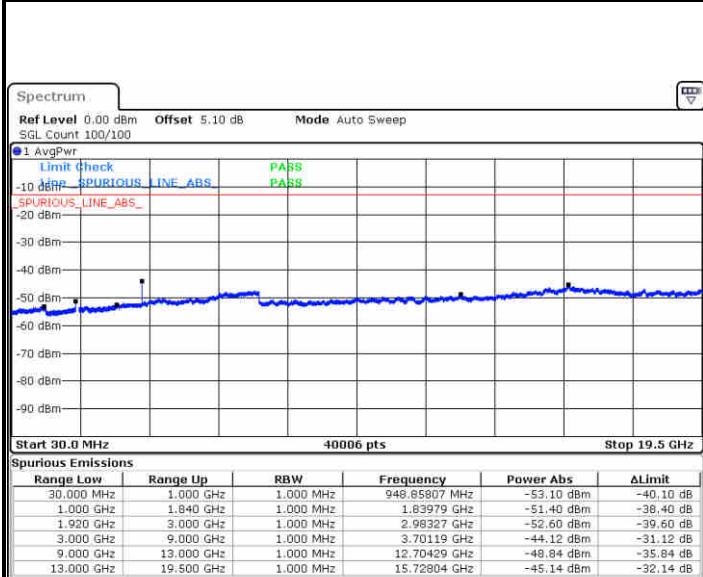


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	974.55022 MHz	-53.25 dBm	-40.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76339 GHz	-53.96 dBm	-40.96 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92018 GHz	-52.99 dBm	-39.99 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81068 GHz	-44.00 dBm	-31.00 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57255 GHz	-50.80 dBm	-37.80 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27884 GHz	-48.13 dBm	-35.13 dB

Date: 25 JUN 2020 10:14:57

LTE Band 2 / 10MHz

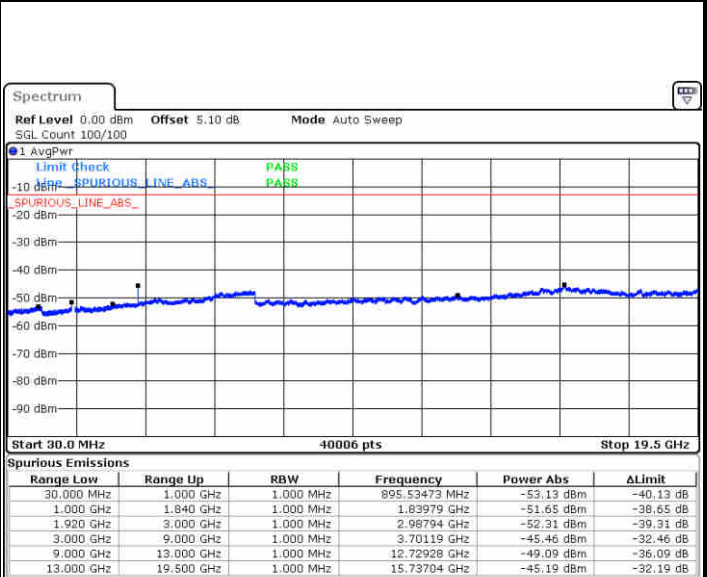
Lowest Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.85807 MHz	-53.10 dBm	-40.10 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-51.40 dBm	-38.40 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98327 GHz	-52.60 dBm	-39.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70119 GHz	-44.12 dBm	-31.12 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70429 GHz	-48.84 dBm	-35.84 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.72804 GHz	-45.14 dBm	-32.14 dB

Date: 25 JUN 2020 09:07:51

Lowest Channel / 16QAM



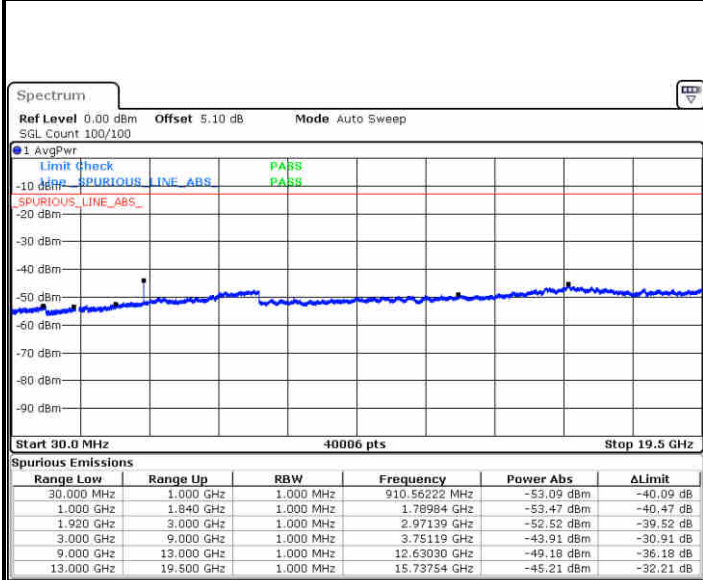
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	895.53473 MHz	-53.13 dBm	-40.13 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-51.65 dBm	-38.65 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98794 GHz	-52.31 dBm	-39.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70119 GHz	-45.46 dBm	-32.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.72928 GHz	-49.09 dBm	-36.09 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73704 GHz	-45.19 dBm	-32.19 dB

Date: 25 JUN 2020 09:08:47



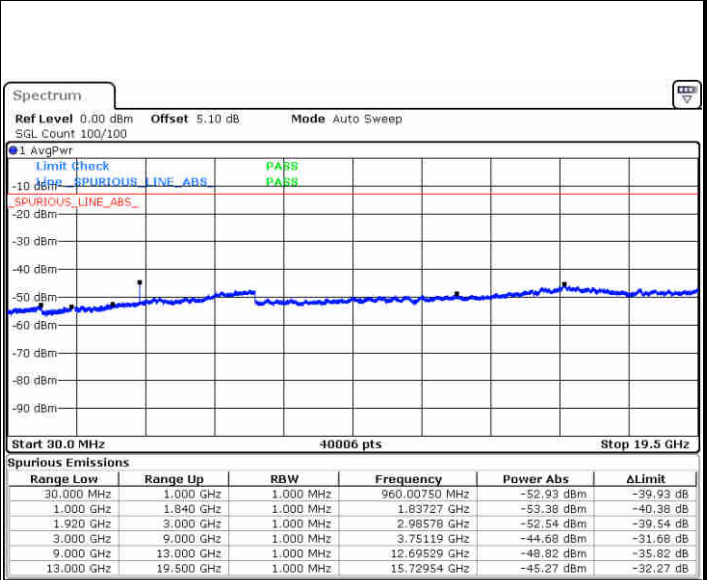
LTE Band 2 / 10MHz

Middle Channel / QPSK



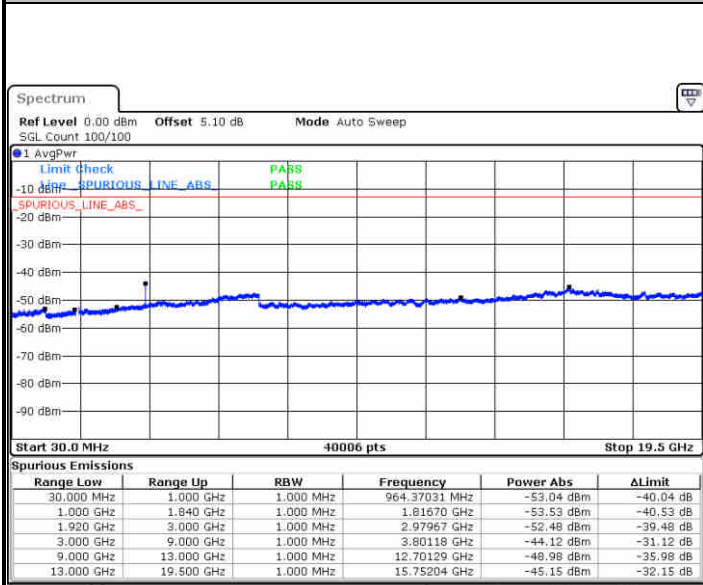
Date: 25 JUN.2020 09:10:24

Middle Channel / 16QAM



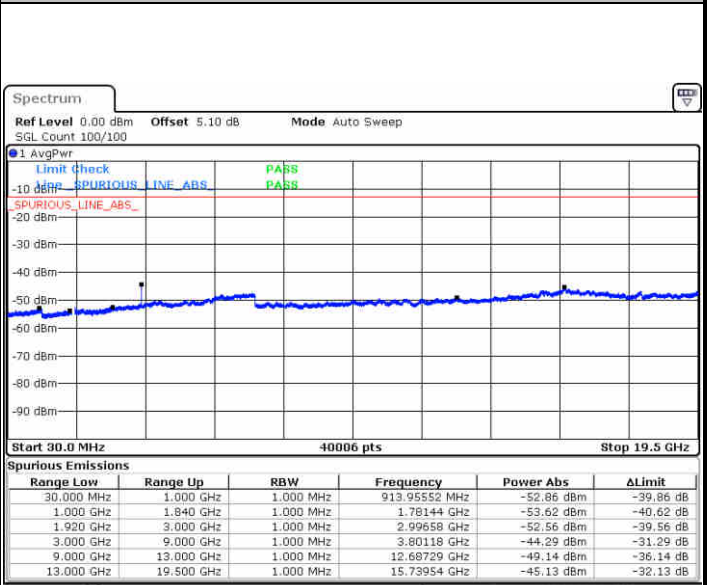
Date: 25 JUN.2020 09:11:21

Highest Channel / QPSK



Date: 25 JUN.2020 09:17:33

Highest Channel / 16QAM



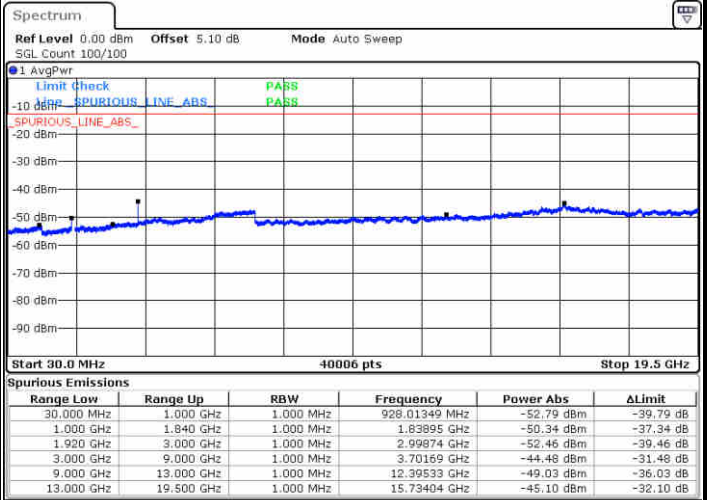
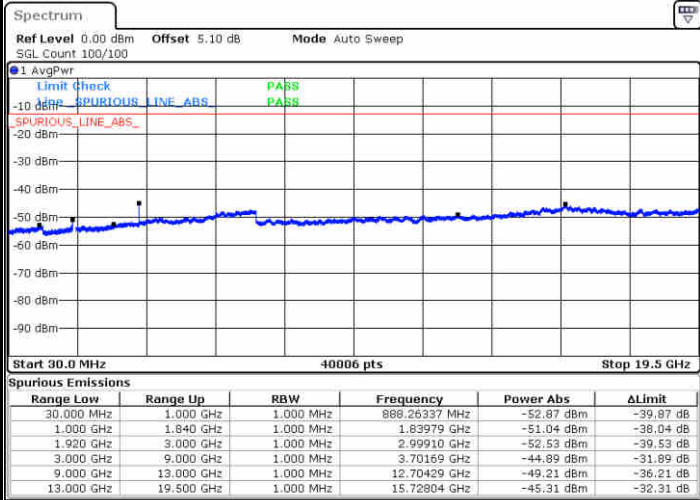
Date: 25 JUN.2020 09:18:30



LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

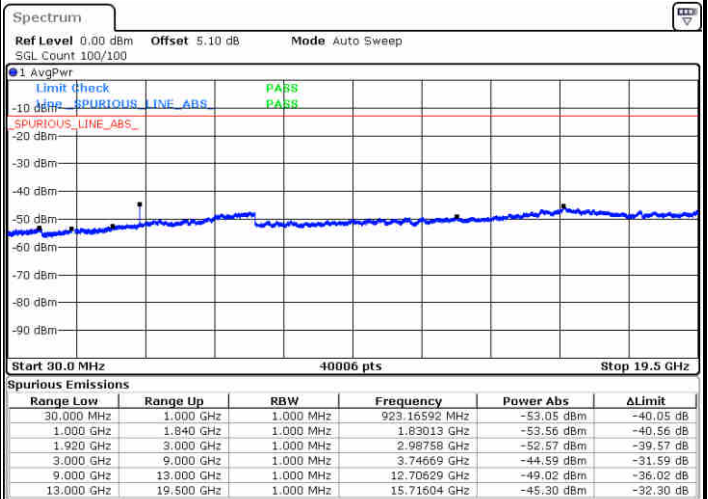
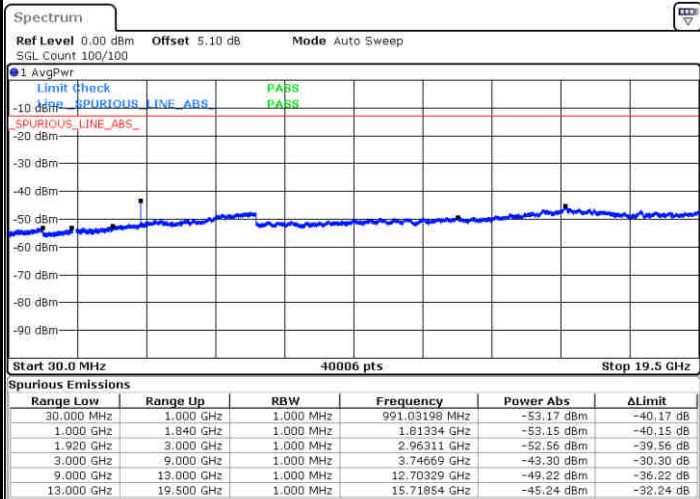


Date: 25 JUN.2020 09:24:40

Date: 25 JUN.2020 09:25:37

Middle Channel / QPSK

Middle Channel / 16QAM



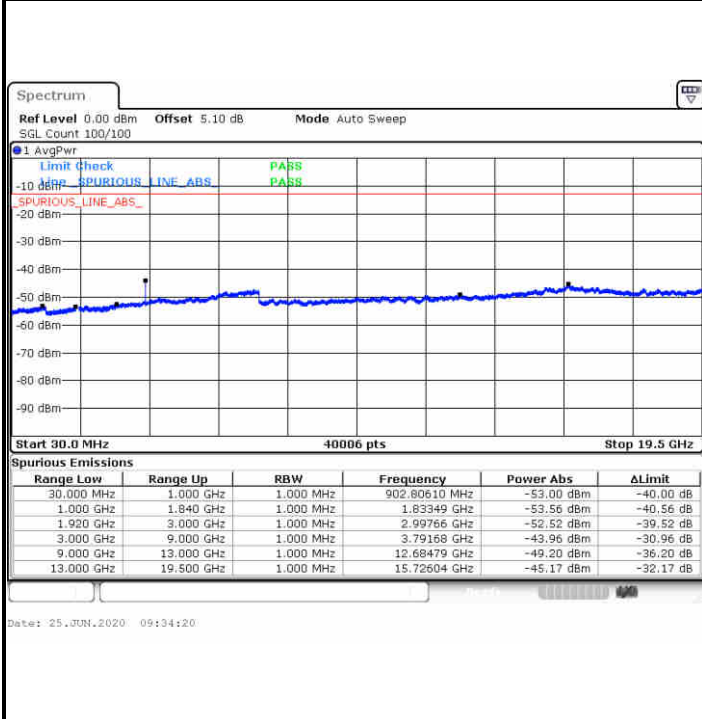
Date: 25 JUN.2020 09:27:14

Date: 25 JUN.2020 09:28:11



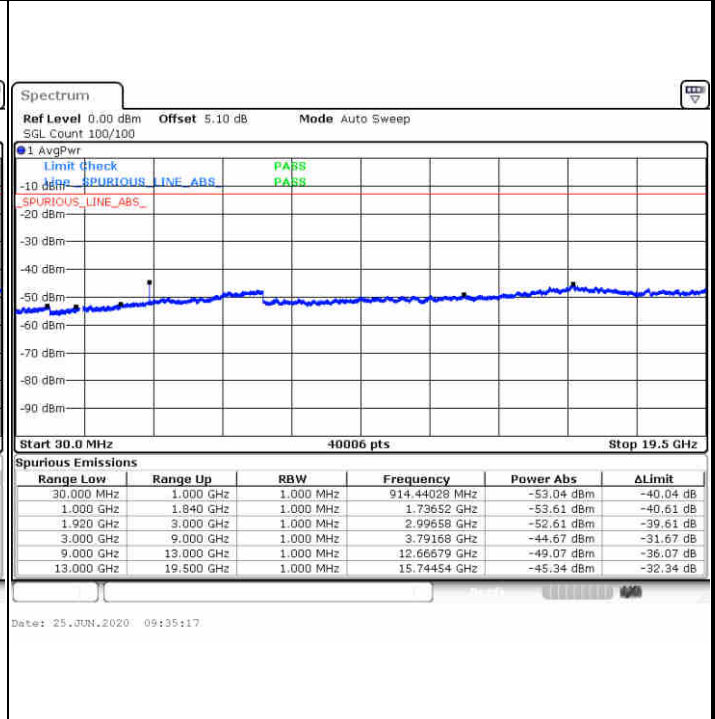
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 25 JUN.2020 09:34:20

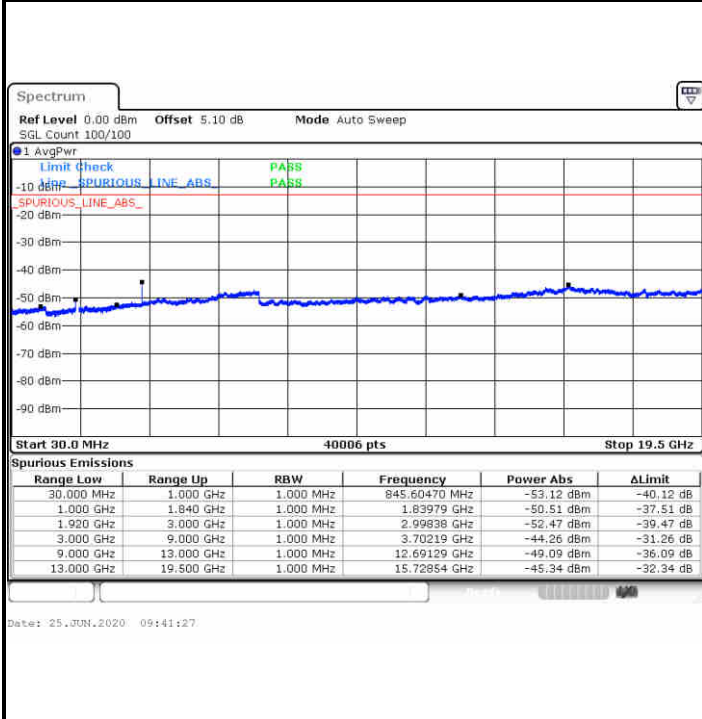
Highest Channel / 16QAM



Date: 25 JUN.2020 09:35:17

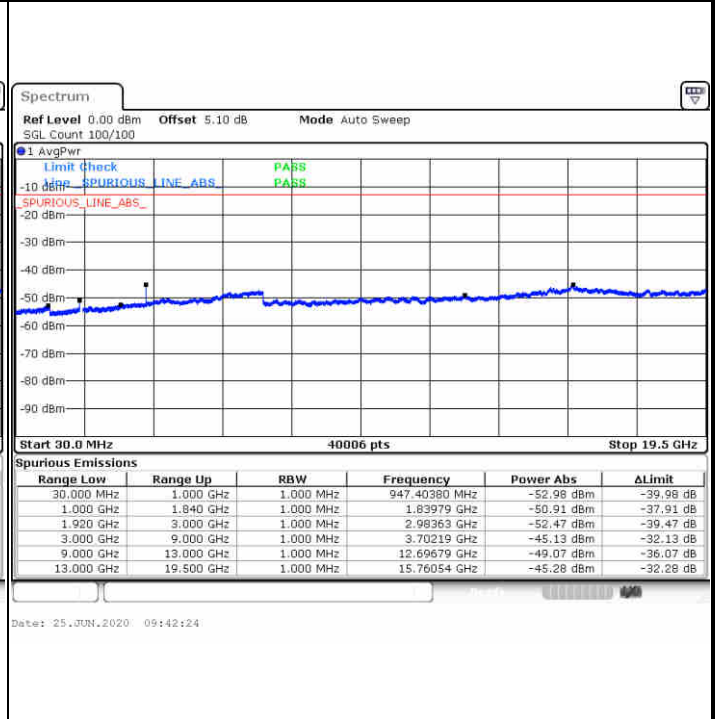
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 25 JUN.2020 09:41:27

Lowest Channel / 16QAM

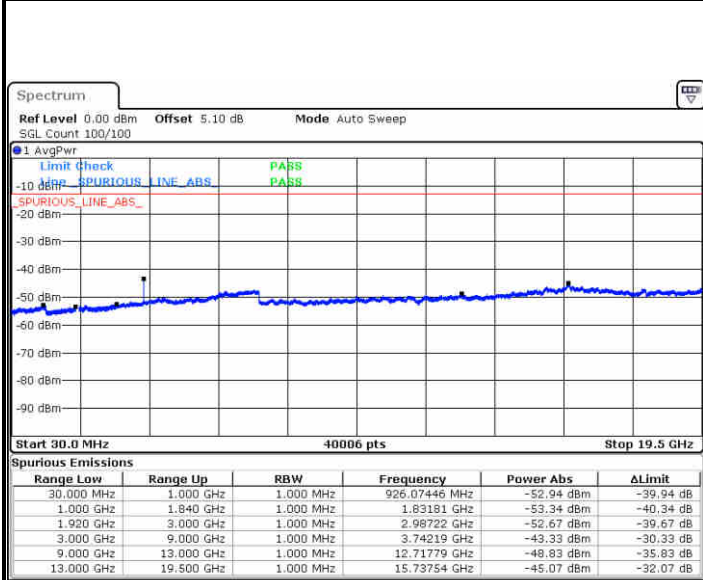


Date: 25 JUN.2020 09:42:24



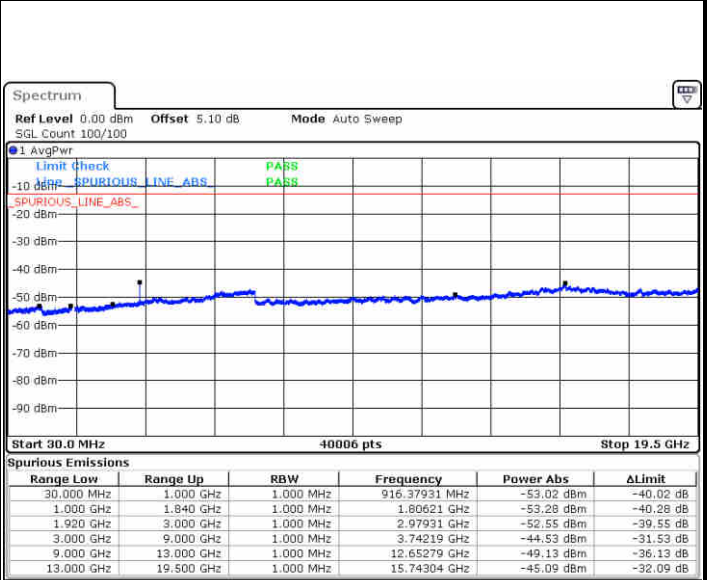
LTE Band 2 / 20MHz

Middle Channel / QPSK



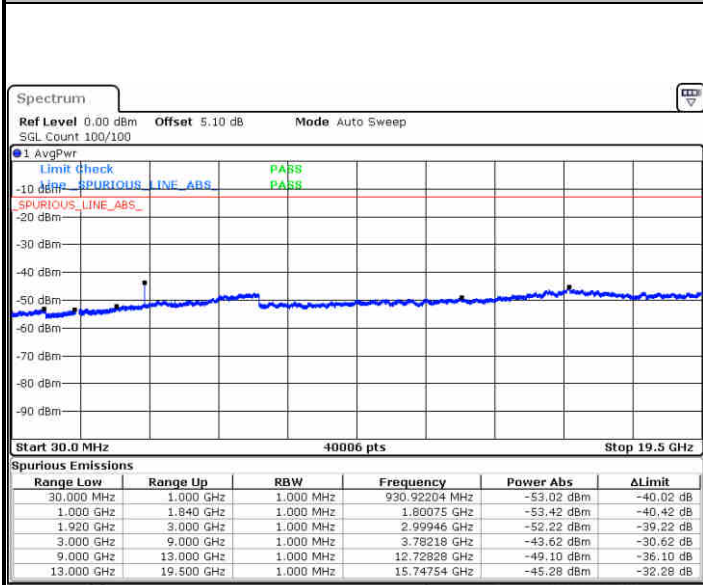
Date: 25 JUN.2020 09:44:01

Middle Channel / 16QAM



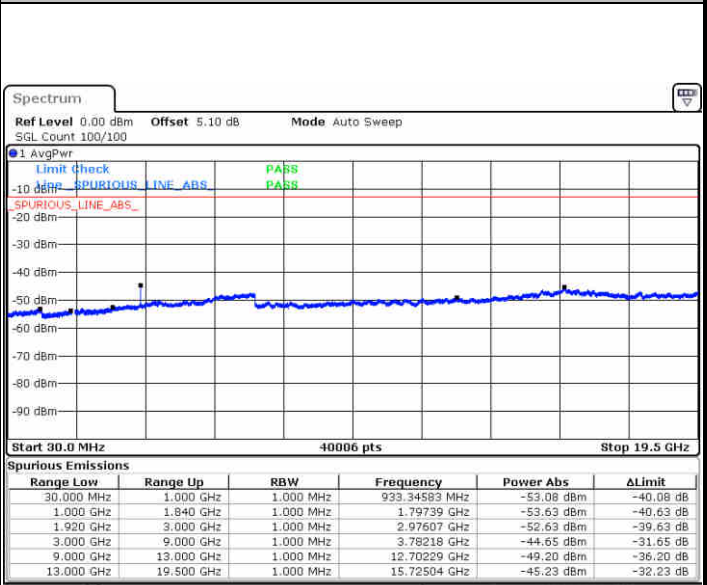
Date: 25 JUN.2020 09:44:58

Highest Channel / QPSK



Date: 25 JUN.2020 09:51:07

Highest Channel / 16QAM

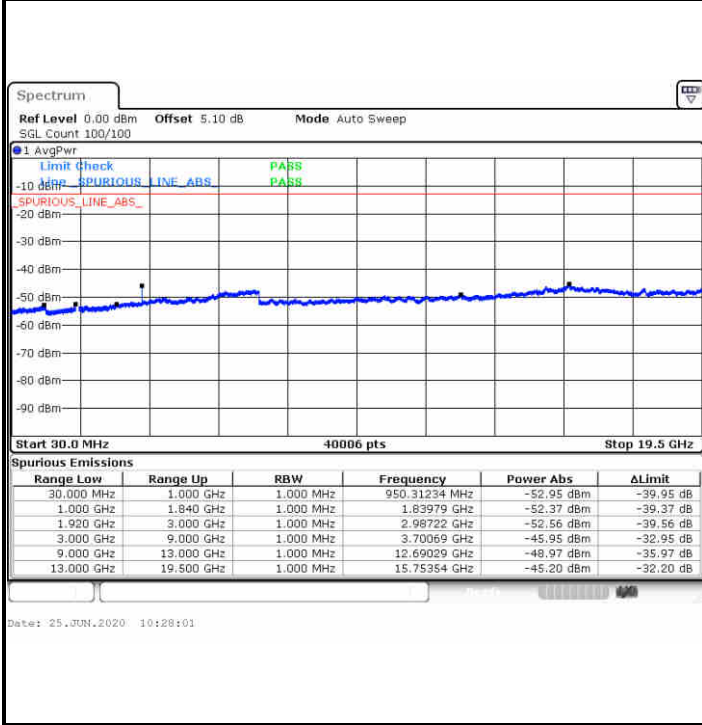


Date: 25 JUN.2020 09:52:04

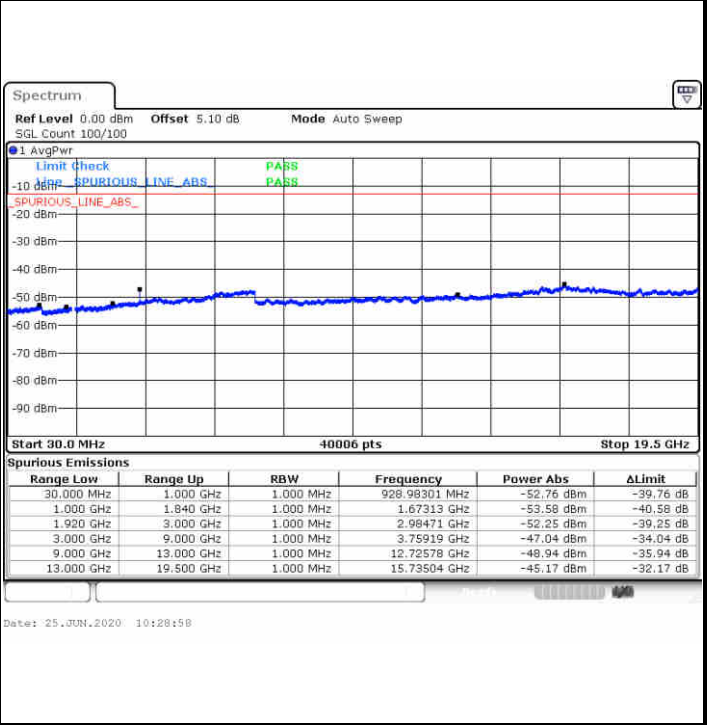


LTE Band 2 / 1.4MHz

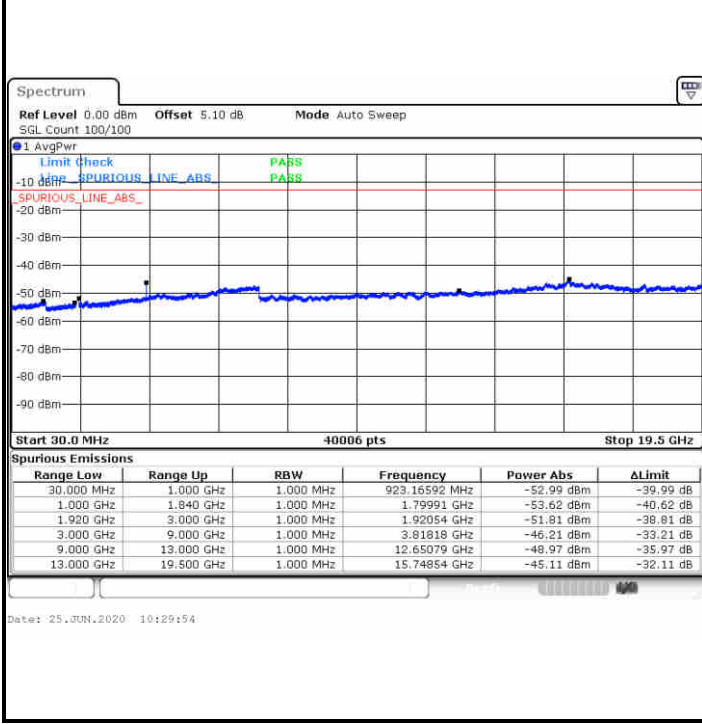
Lowest Channel / 64QAM



Middle Channel / 64QAM



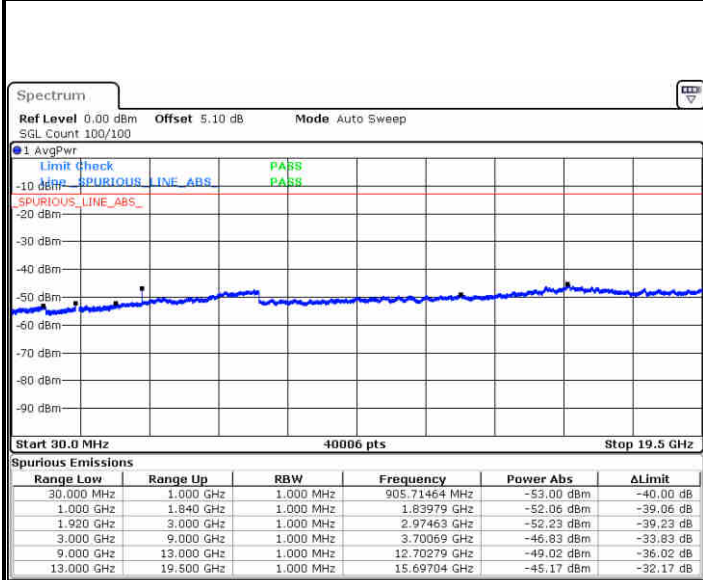
Highest Channel / 64QAM





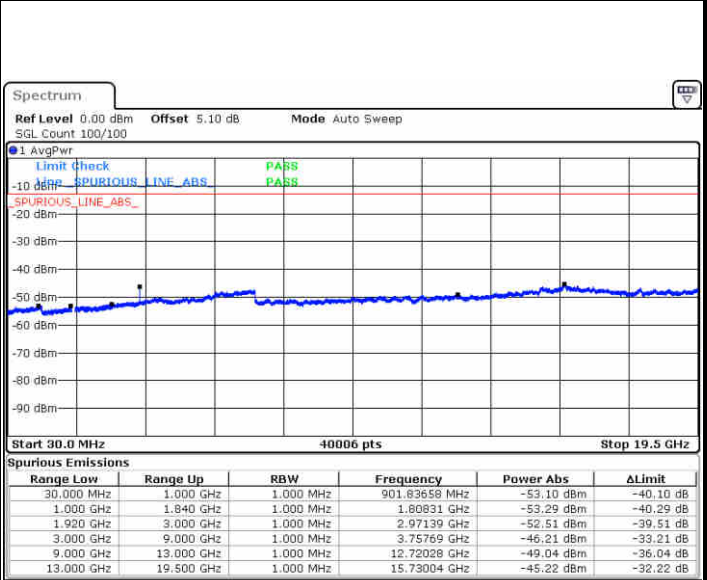
LTE Band 2 / 3MHz

Lowest Channel / 64QAM



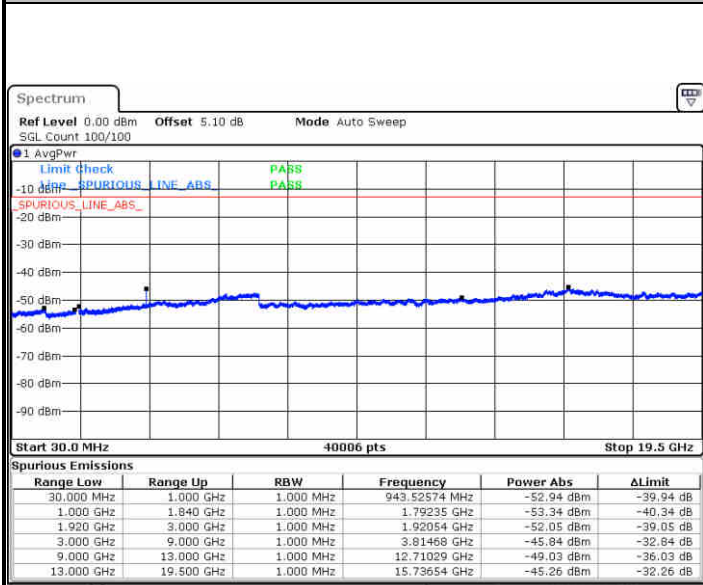
Date: 25 JUN.2020 10:30:51

Middle Channel / 64QAM



Date: 25 JUN.2020 10:31:48

Highest Channel / 64QAM



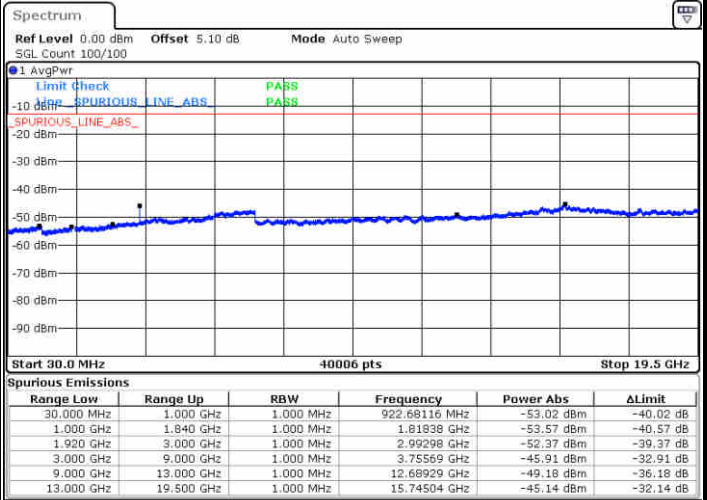
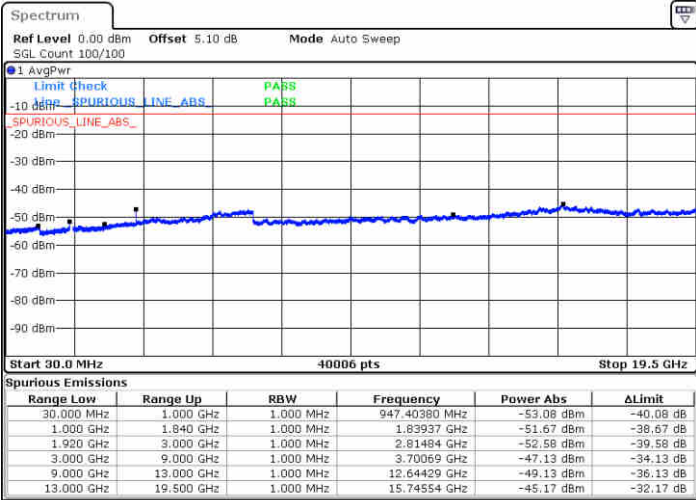
Date: 25 JUN.2020 10:32:44



LTE Band 2 / 5MHz

Lowest Channel / 64QAM

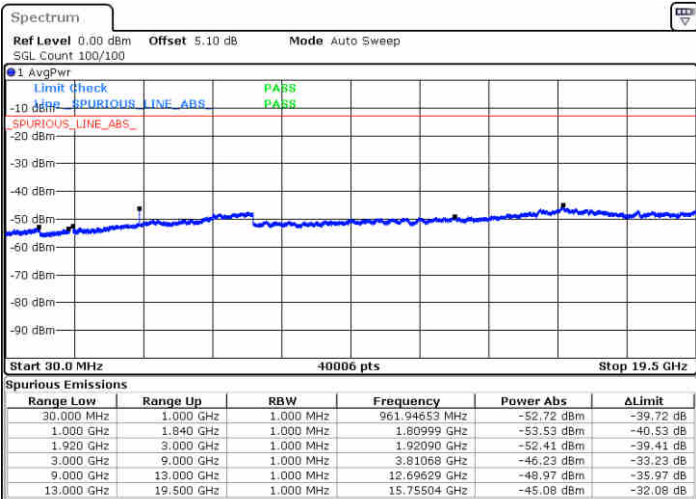
Middle Channel / 64QAM



Date: 25 JUN.2020 10:33:41

Date: 25 JUN.2020 10:34:38

Highest Channel / 64QAM



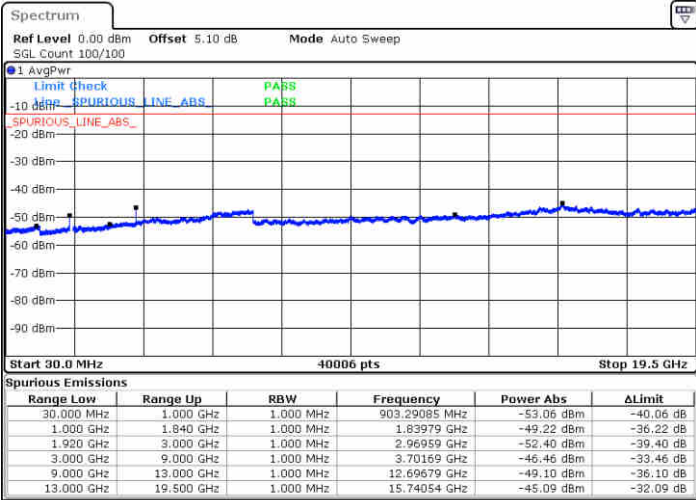
Date: 25 JUN.2020 10:35:35



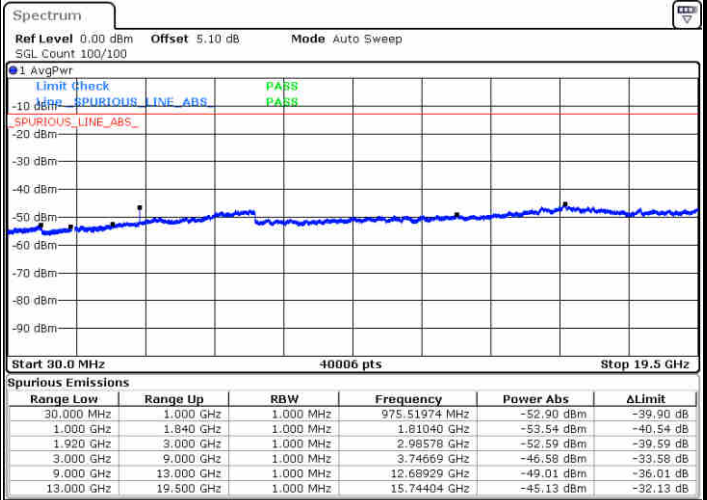
LTE Band 2 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

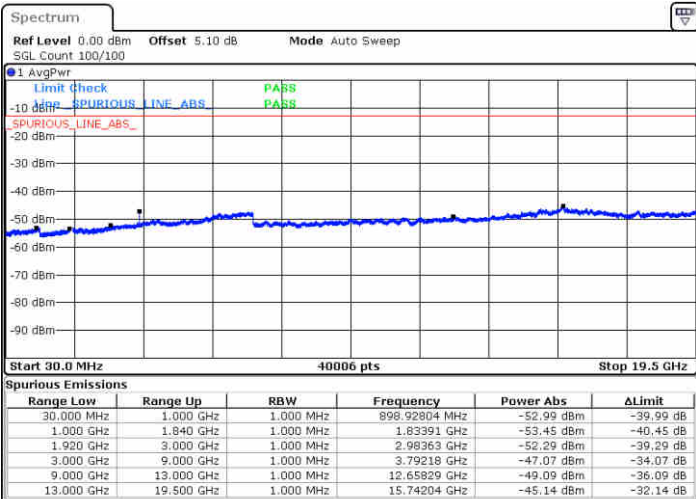


Date: 25 JUN.2020 10:39:21



Date: 25 JUN.2020 10:40:18

Highest Channel / 64QAM



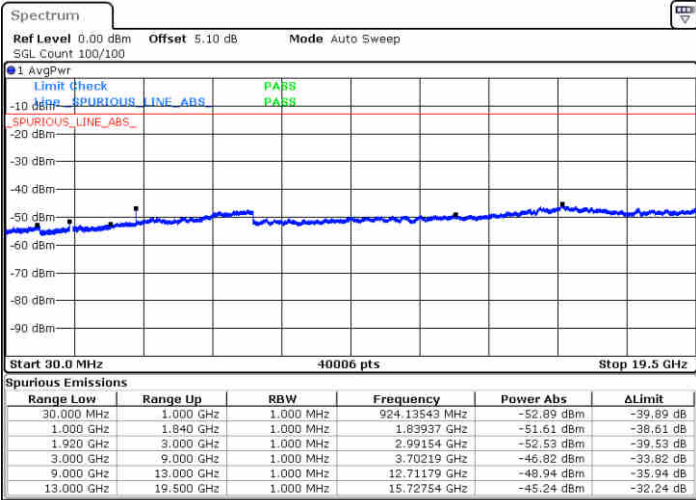
Date: 25 JUN.2020 10:41:15



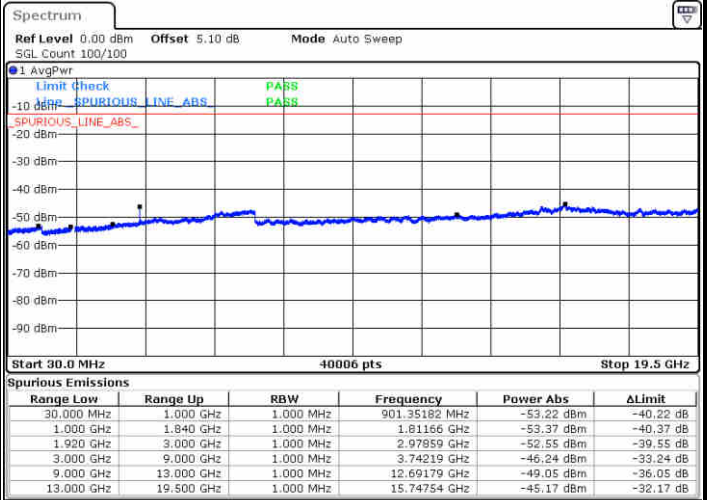
LTE Band 2 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

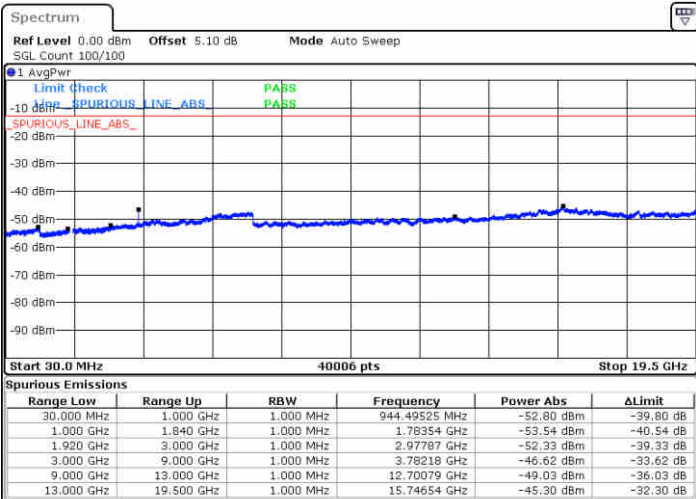


Date: 25 JUN 2020 10:42:12



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	-	-	