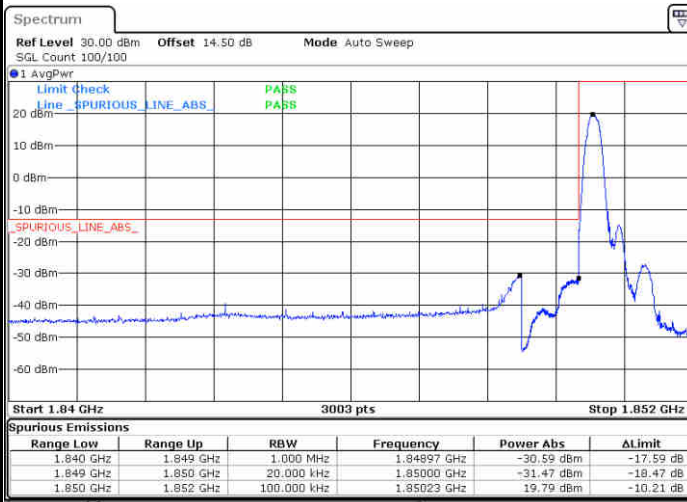




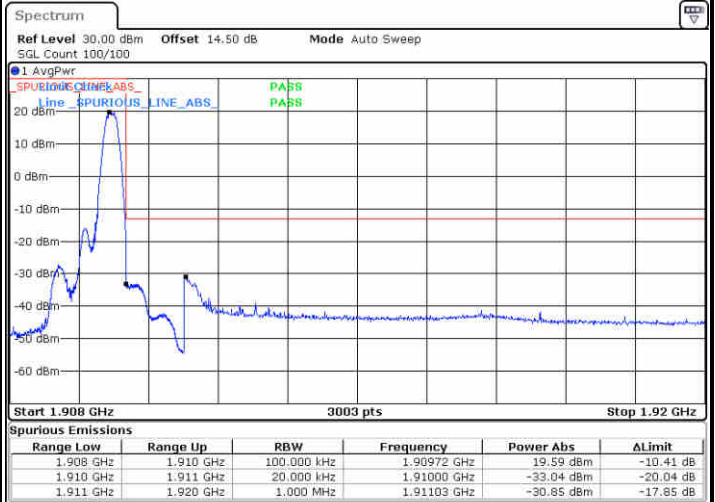
LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



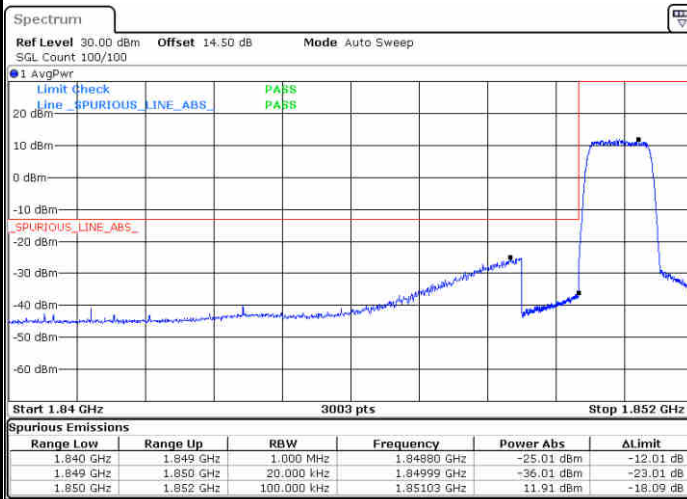
Date: 14.DEC.2019 21:25:20

Highest Band Edge / 1 RB



Date: 14.DEC.2019 21:30:33

Lowest Band Edge / Full RB



Date: 14.DEC.2019 21:26:23

Highest Band Edge / Full RB

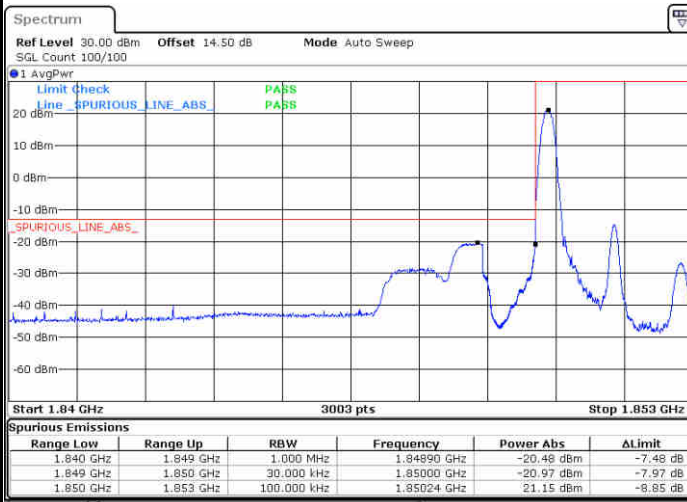


Date: 14.DEC.2019 21:31:36



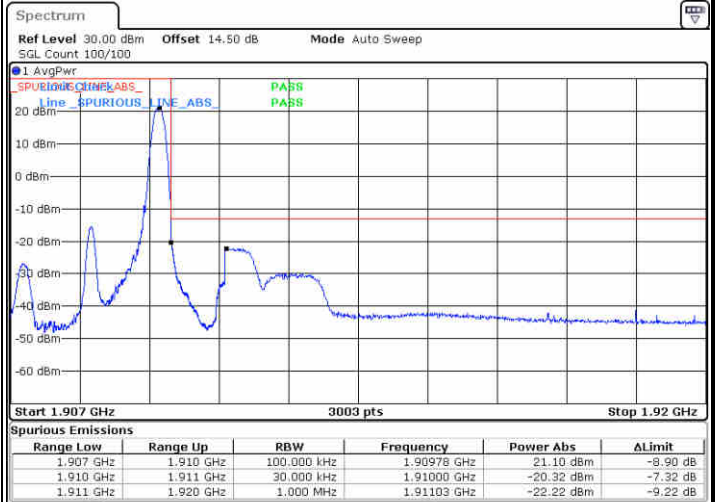
LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB



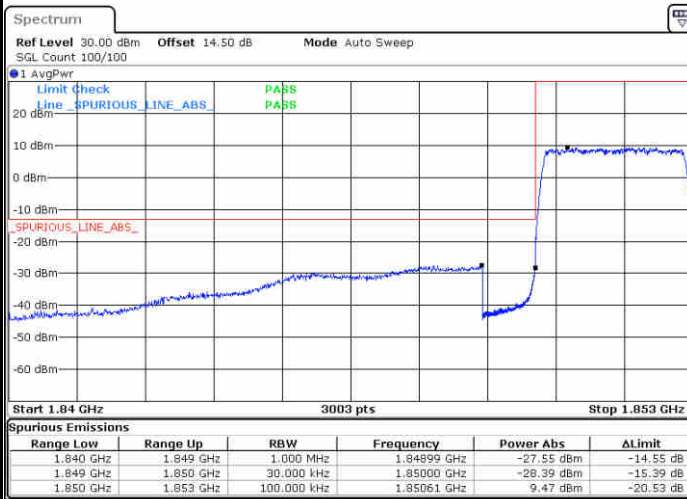
Date: 14.DEC.2019 19:23:26

Highest Band Edge / 1 RB



Date: 14.DEC.2019 19:27:31

Lowest Band Edge / Full RB



Date: 14.DEC.2019 19:25:29

Highest Band Edge / Full RB

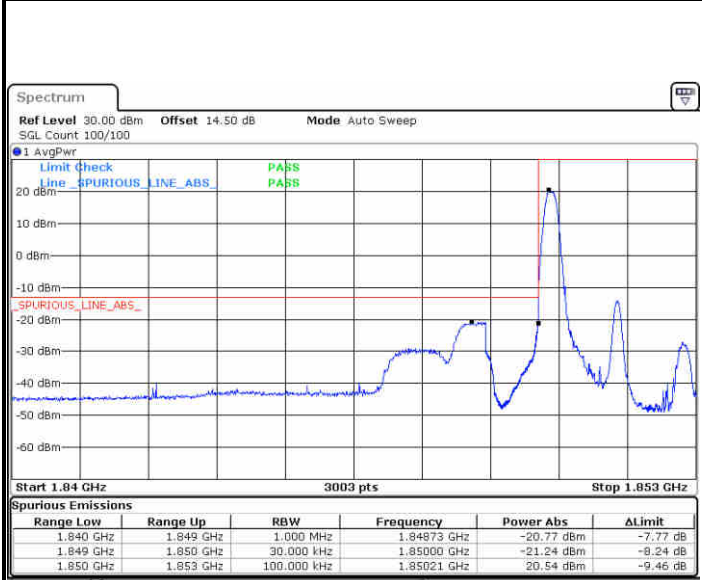


Date: 14.DEC.2019 19:29:33

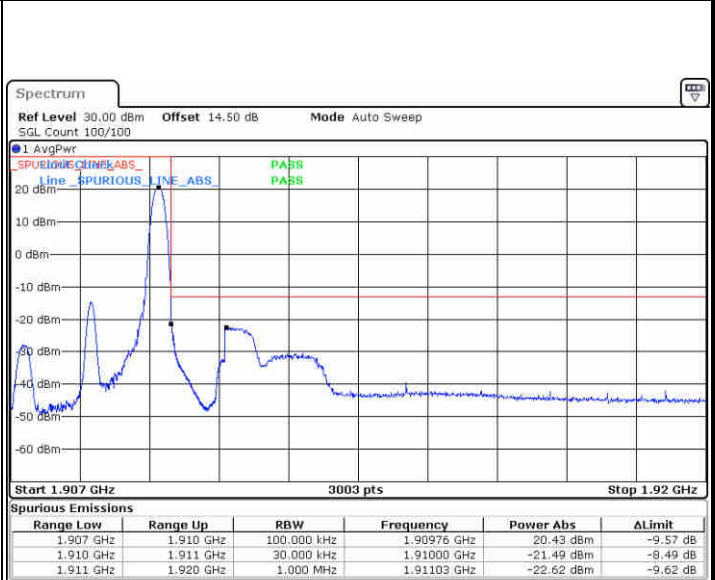


LTE Band 2 / 3MHz / 16QAM

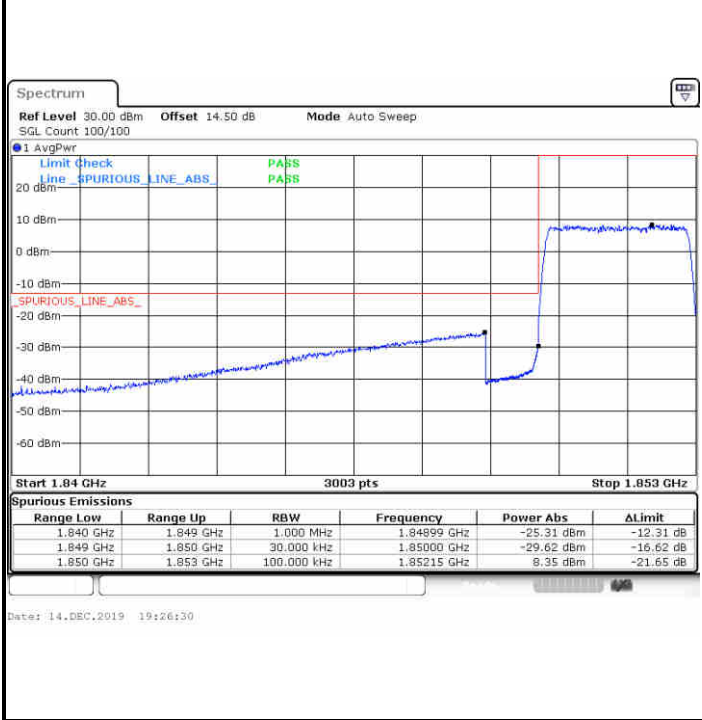
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



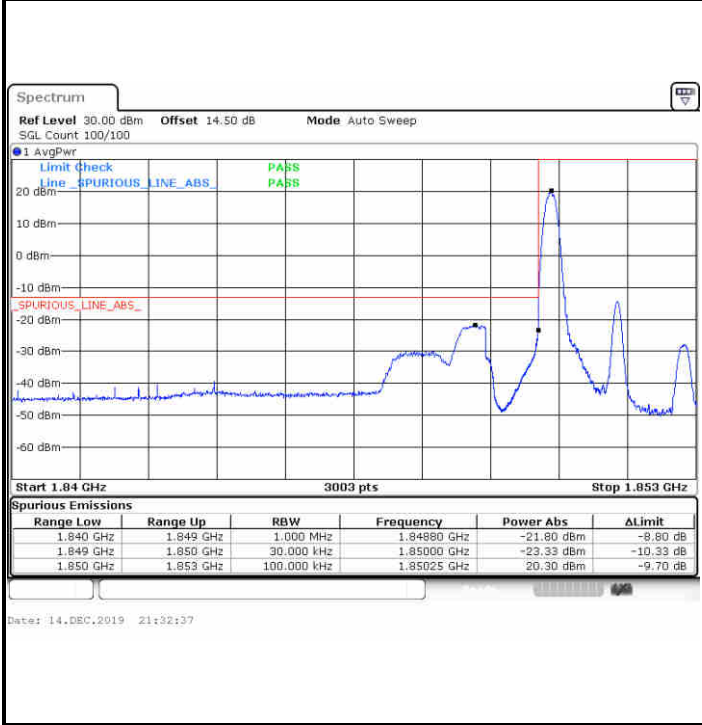
Highest Band Edge / Full RB



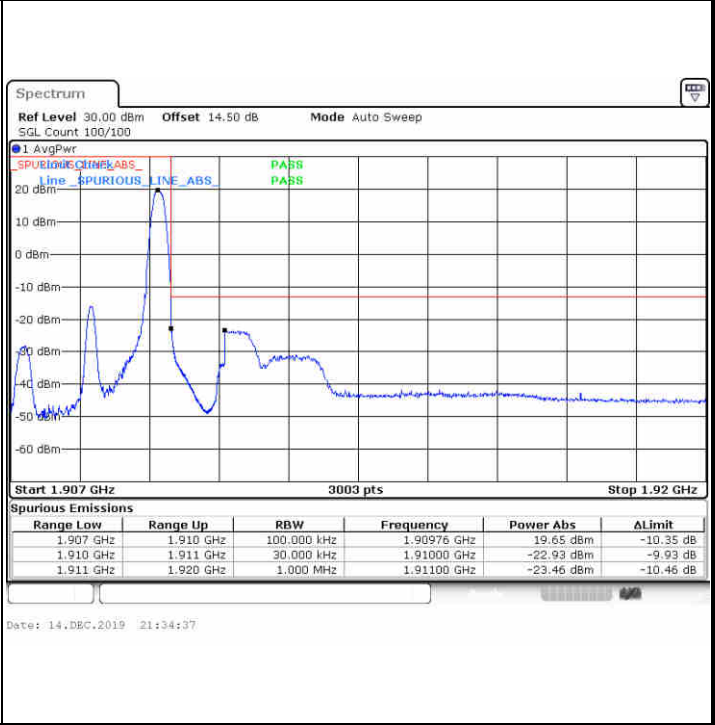


LTE Band 2 / 3MHz / 64QAM

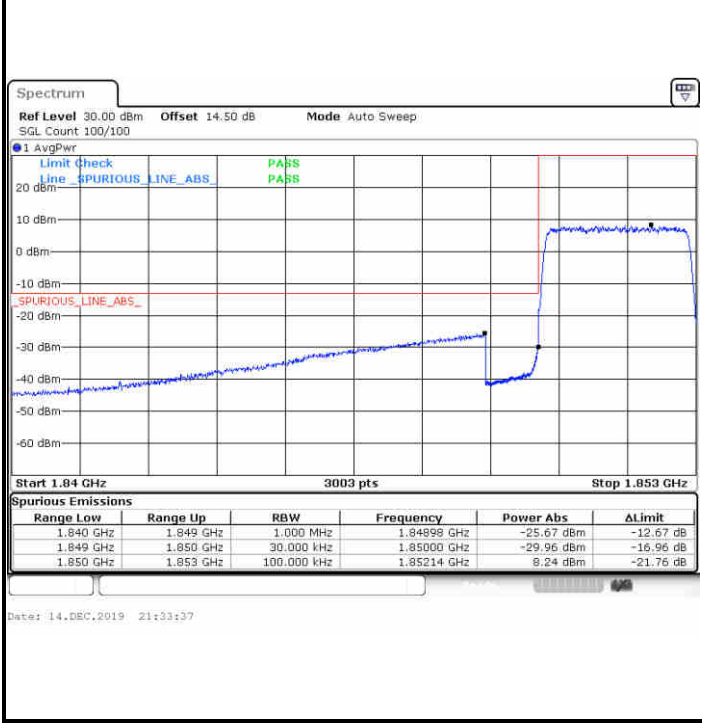
Lowest Band Edge / 1 RB



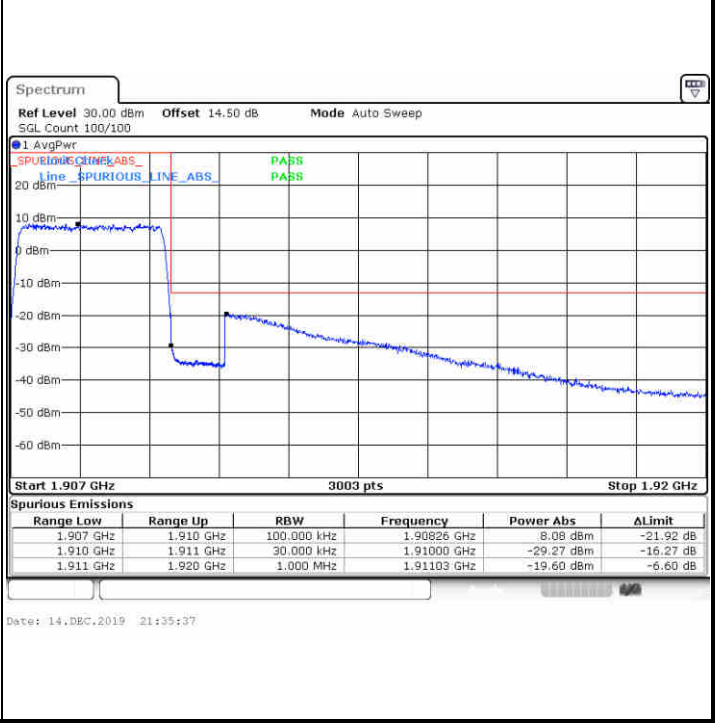
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



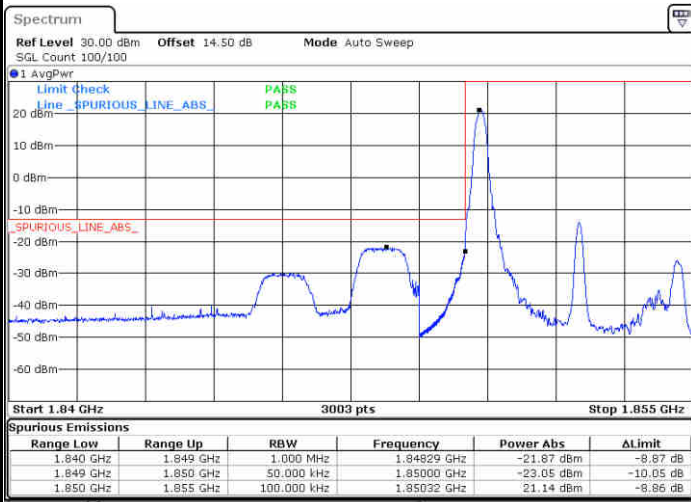
Highest Band Edge / Full RB





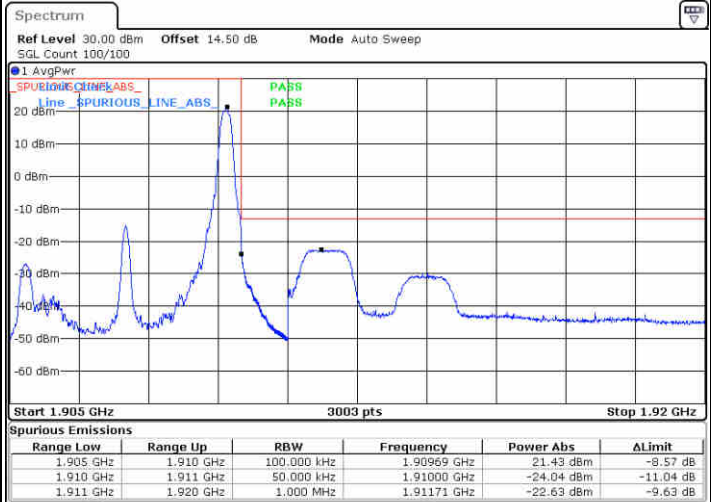
LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB



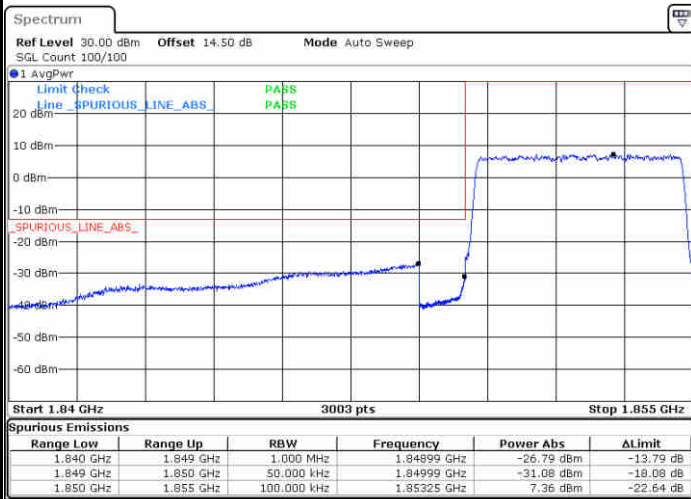
Date: 14.DEC.2019 19:32:39

Highest Band Edge / 1 RB



Date: 14.DEC.2019 19:36:42

Lowest Band Edge / Full RB



Date: 14.DEC.2019 19:34:41

Highest Band Edge / Full RB

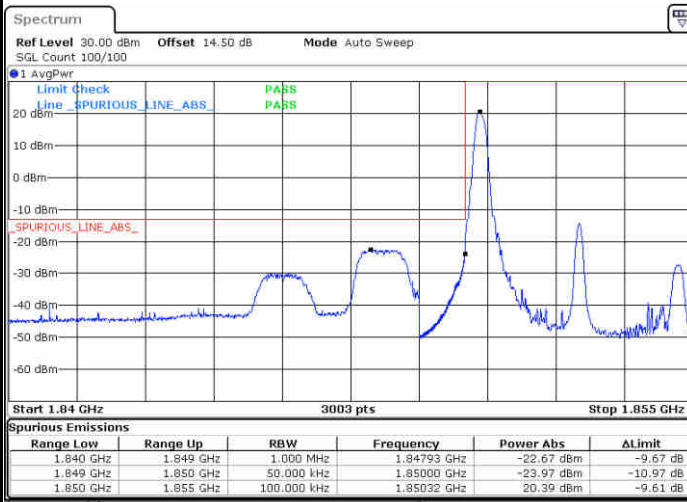


Date: 14.DEC.2019 19:38:44



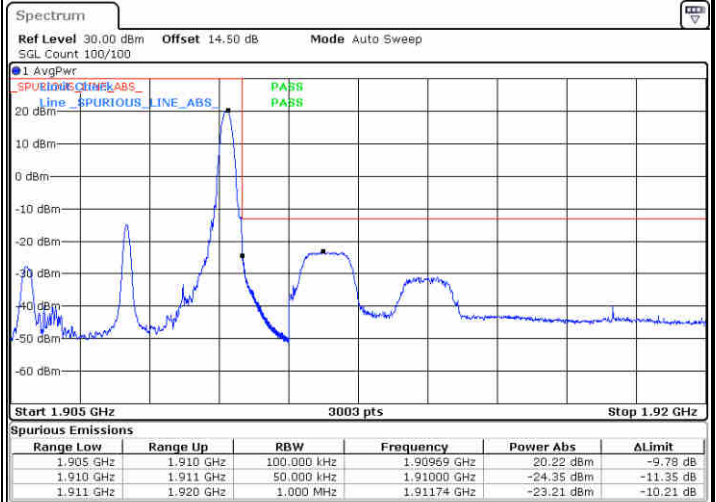
LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



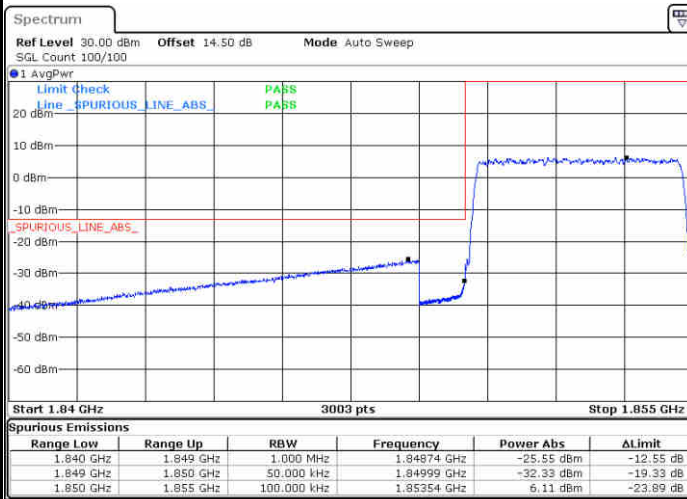
Date: 14.DEC.2019 19:33:40

Highest Band Edge / 1 RB



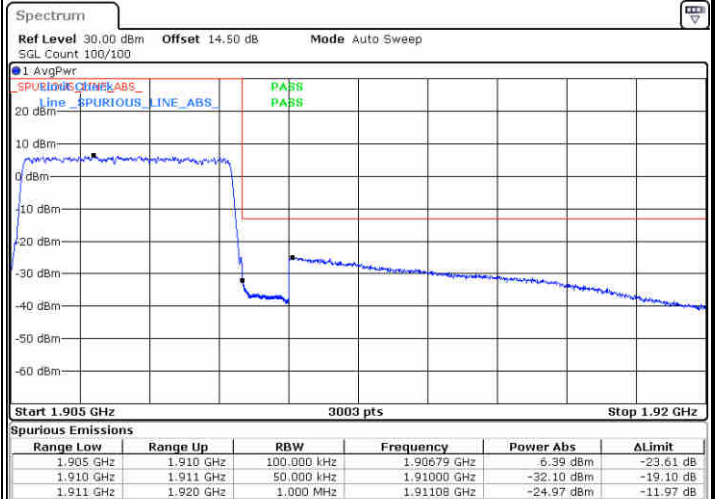
Date: 14.DEC.2019 19:37:43

Lowest Band Edge / Full RB



Date: 14.DEC.2019 19:35:41

Highest Band Edge / Full RB

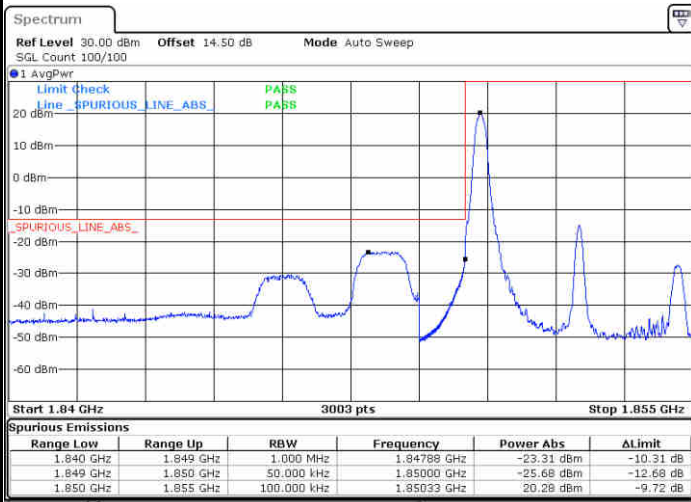


Date: 14.DEC.2019 19:35:44

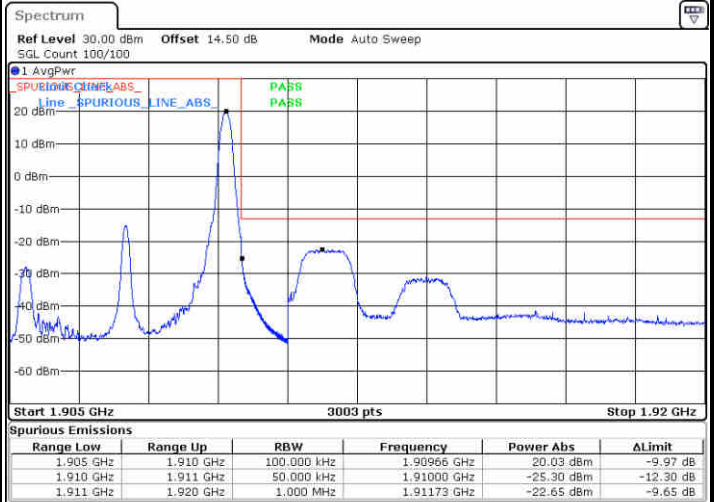


LTE Band 2 / 5MHz / 64QAM

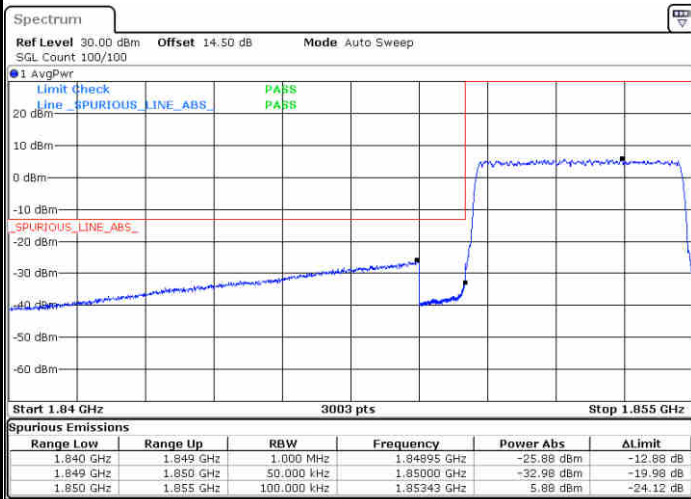
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



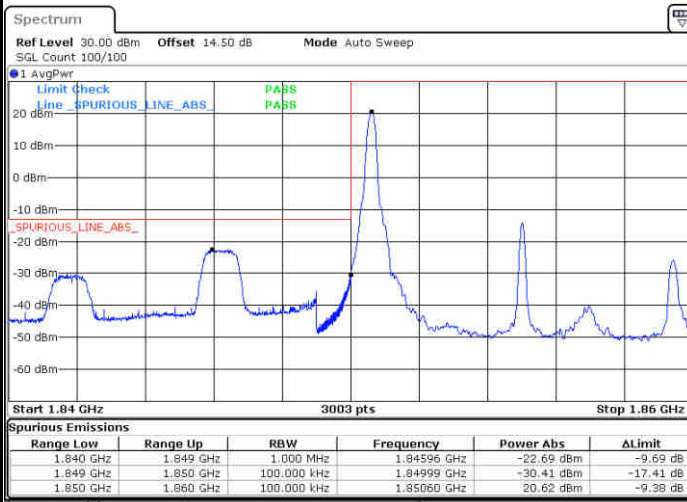
Highest Band Edge / Full RB





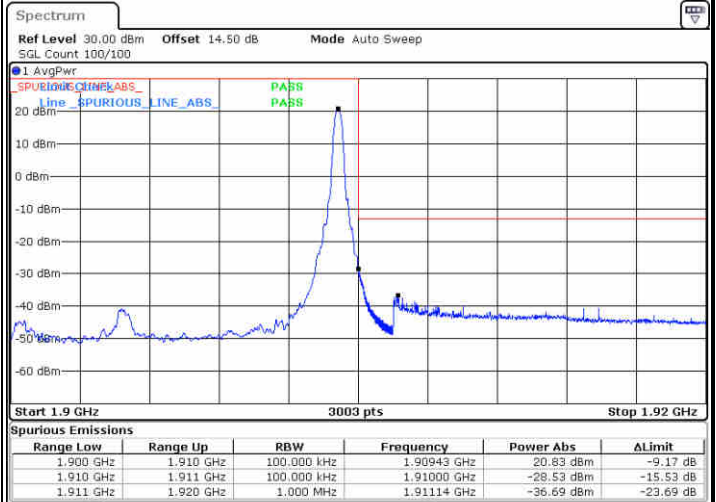
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



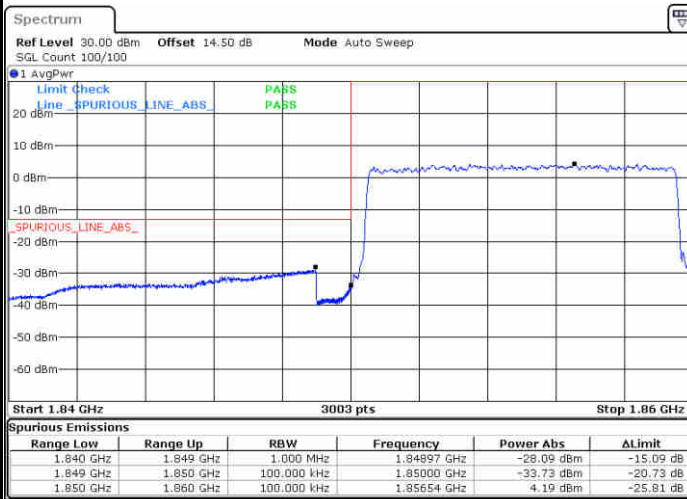
Date: 14.DEC.2019 19:40:45

Highest Band Edge / 1 RB



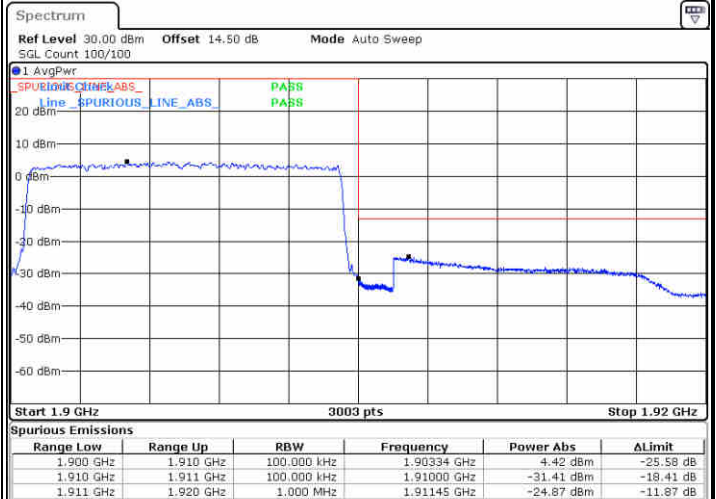
Date: 14.DEC.2019 19:44:48

Lowest Band Edge / Full RB

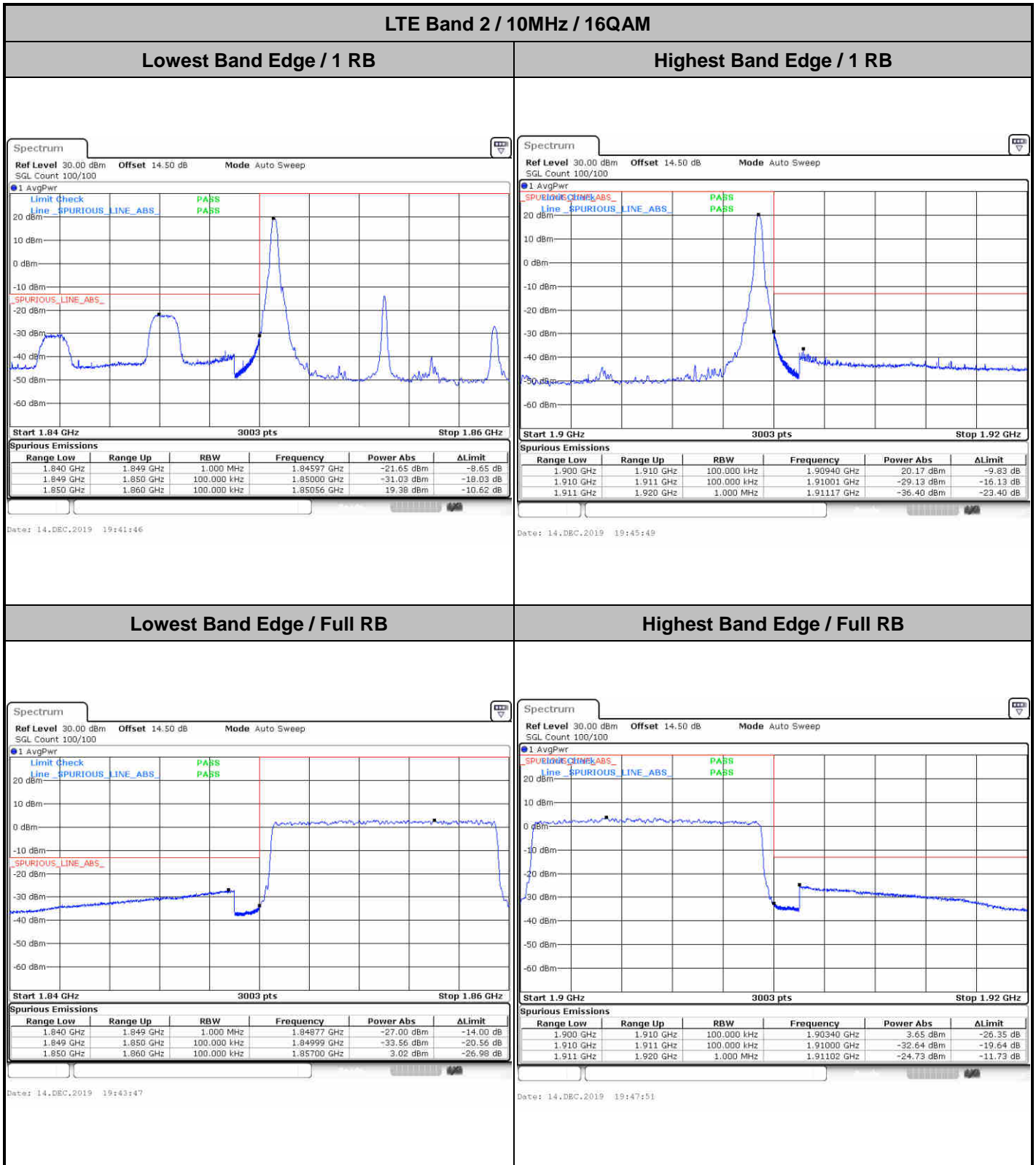


Date: 14.DEC.2019 19:42:47

Highest Band Edge / Full RB



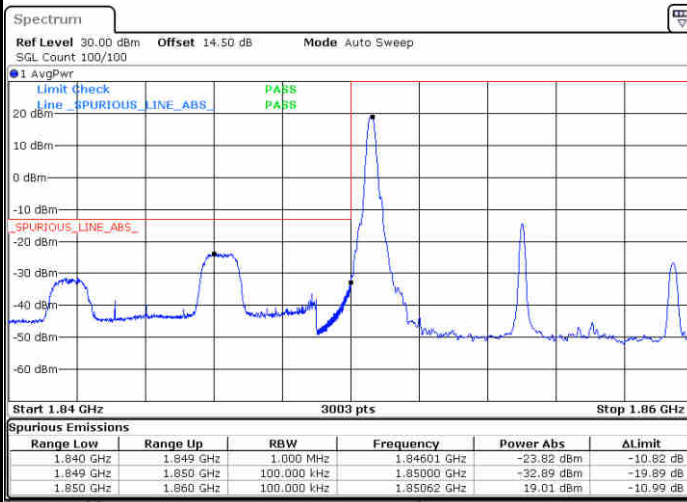
Date: 14.DEC.2019 19:46:50





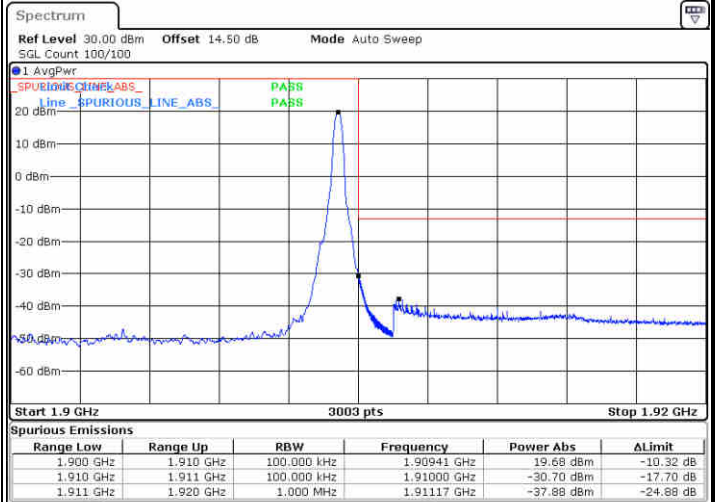
LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



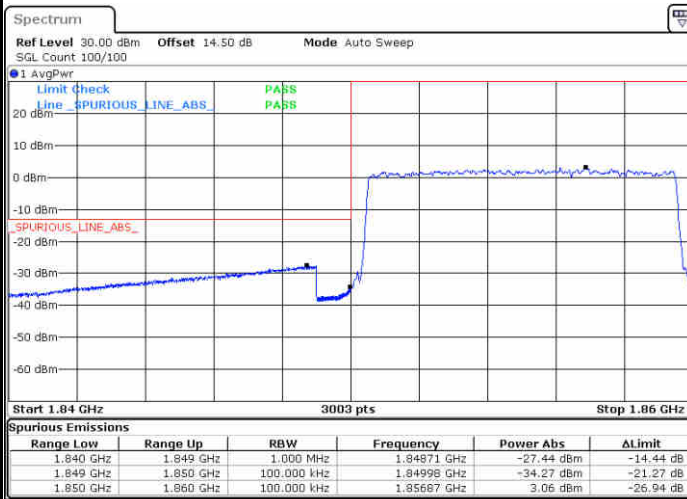
Date: 14.DEC.2019 21:40:38

Highest Band Edge / 1 RB



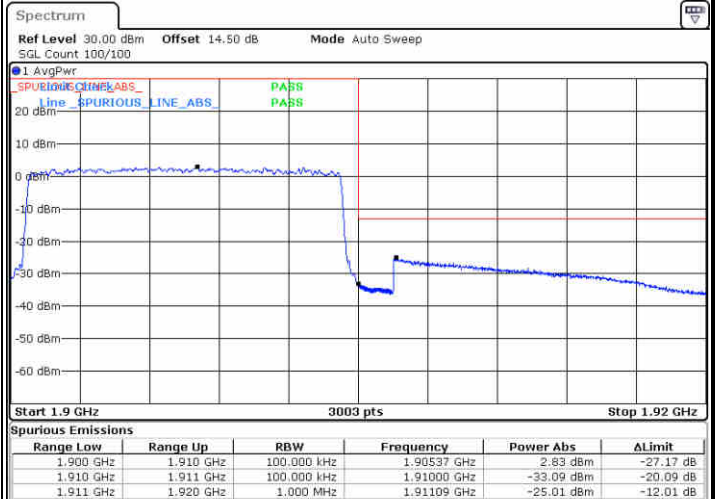
Date: 14.DEC.2019 21:42:39

Lowest Band Edge / Full RB



Date: 14.DEC.2019 21:41:39

Highest Band Edge / Full RB

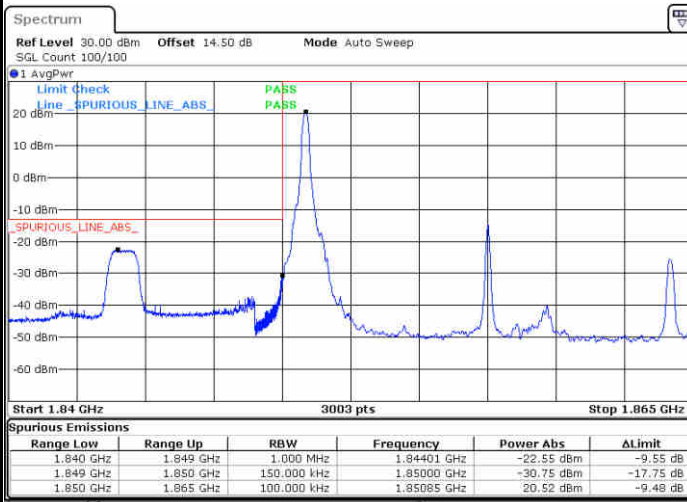


Date: 14.DEC.2019 21:43:39



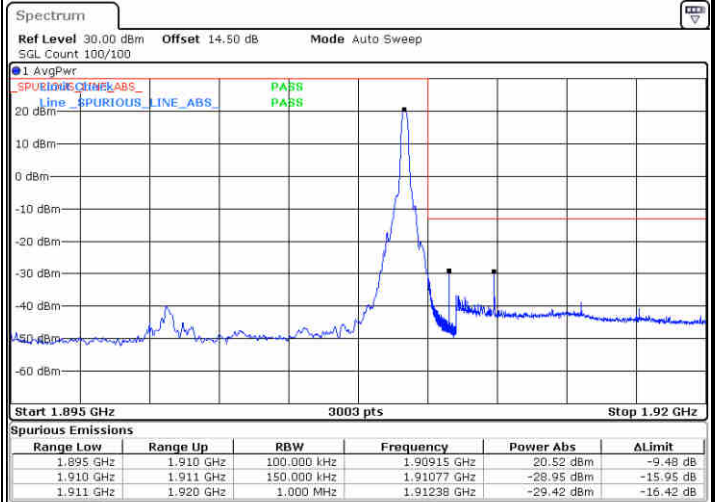
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



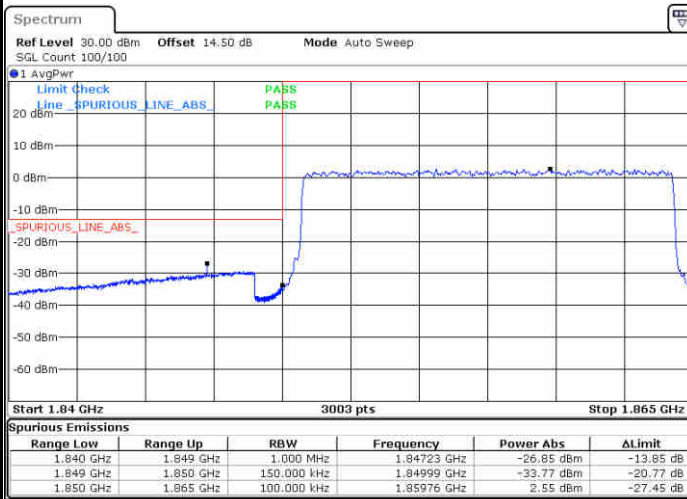
Date: 14.DEC.2019 19:48:52

Highest Band Edge / 1 RB



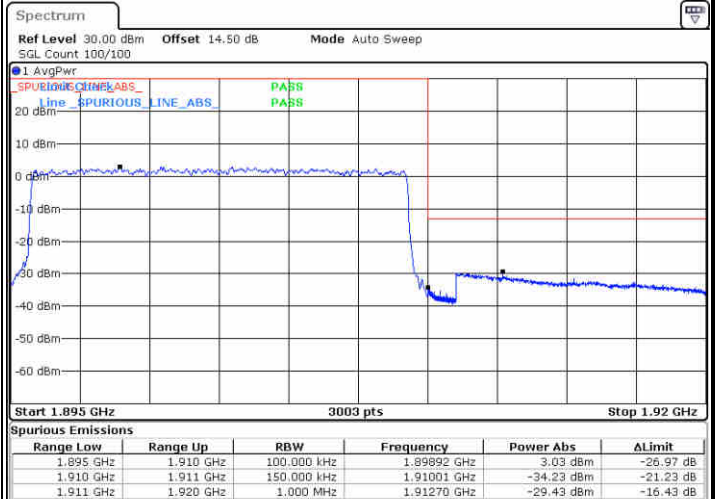
Date: 14.DEC.2019 19:52:55

Lowest Band Edge / Full RB



Date: 14.DEC.2019 19:50:54

Highest Band Edge / Full RB

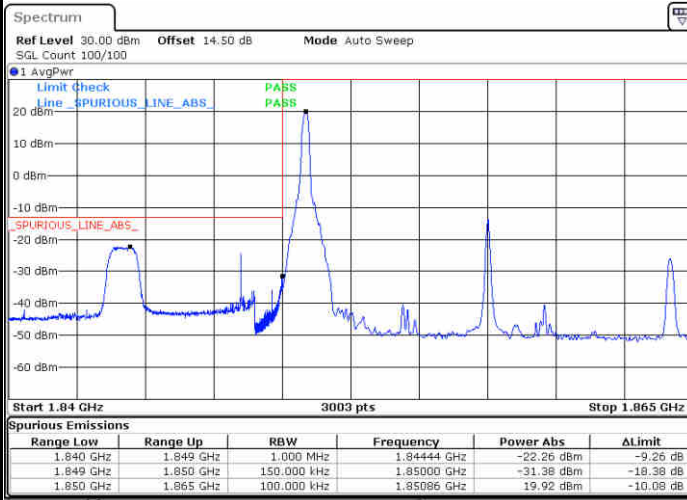


Date: 14.DEC.2019 19:54:57



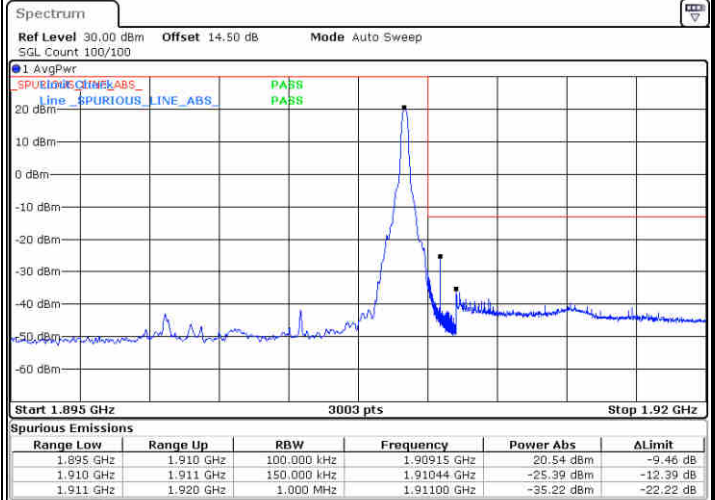
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



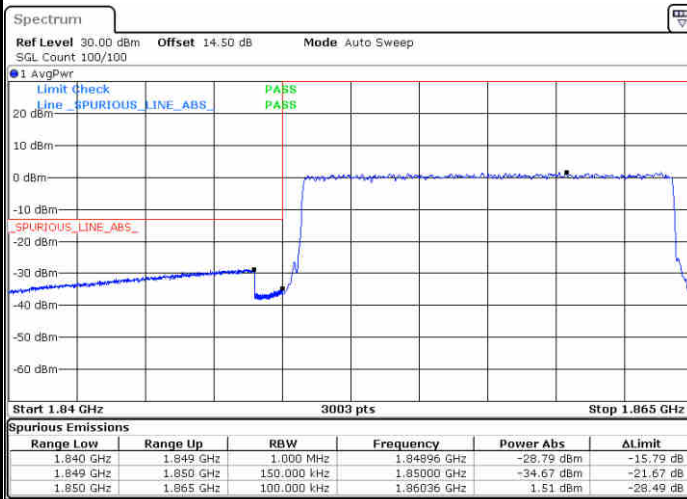
Date: 14.DEC.2019 19:49:53

Highest Band Edge / 1 RB



Date: 14.DEC.2019 19:53:56

Lowest Band Edge / Full RB



Date: 14.DEC.2019 19:51:54

Highest Band Edge / Full RB

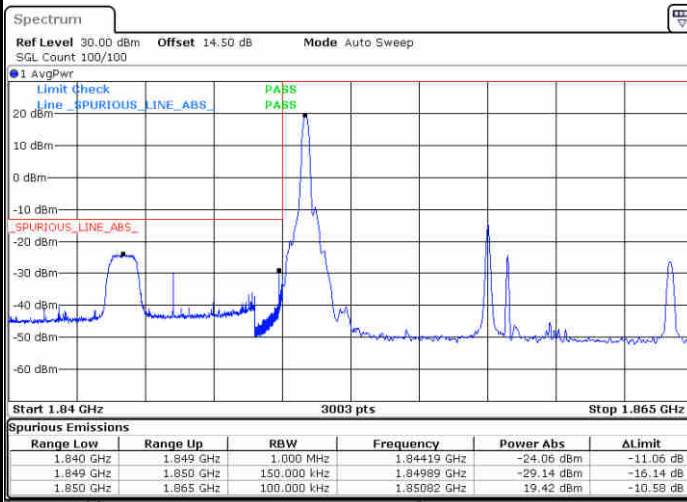


Date: 14.DEC.2019 19:55:58



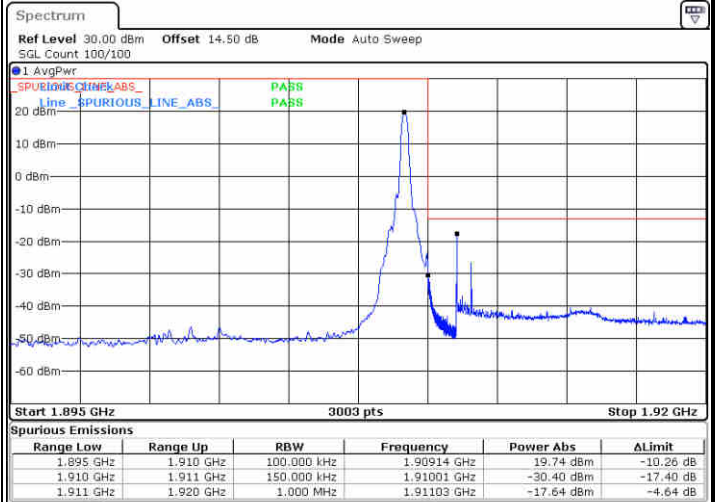
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



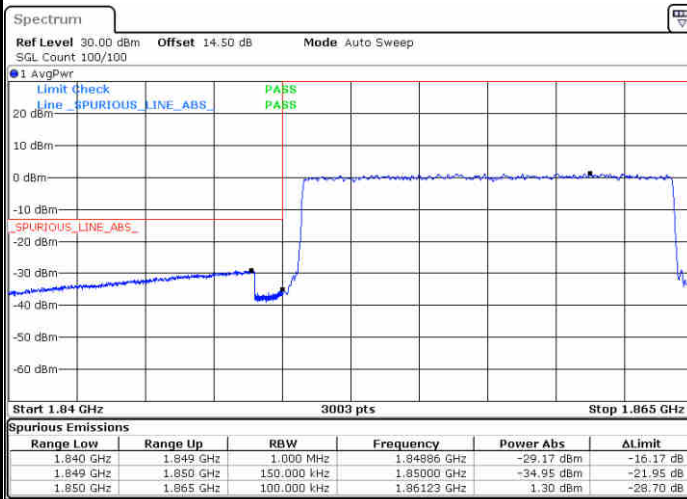
Date: 14.DEC.2019 21:44:39

Highest Band Edge / 1 RB



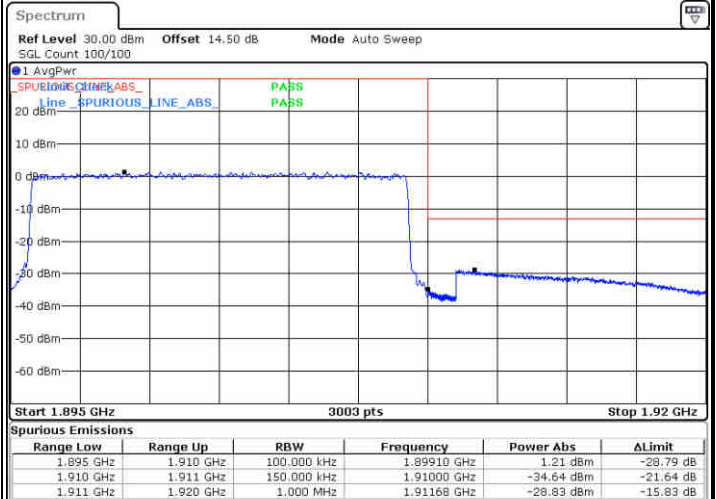
Date: 14.DEC.2019 21:46:40

Lowest Band Edge / Full RB



Date: 14.DEC.2019 21:45:10

Highest Band Edge / Full RB

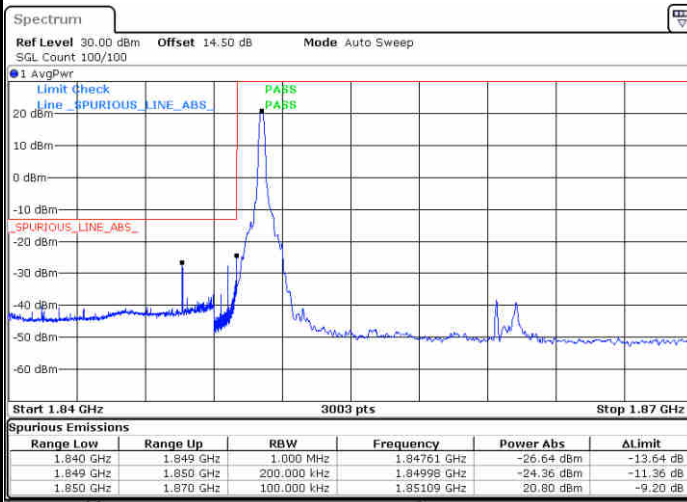


Date: 14.DEC.2019 21:47:40



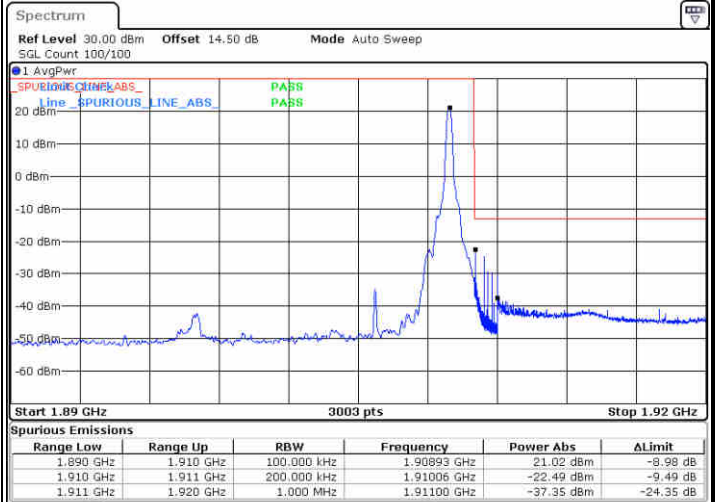
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



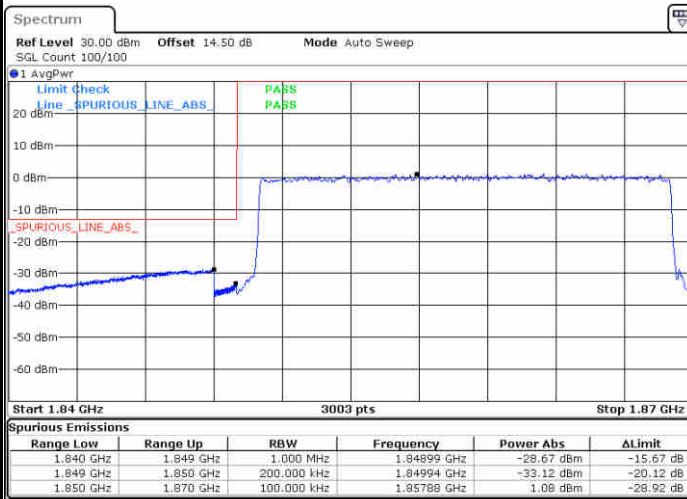
Date: 14.DEC.2019 19:56:59

Highest Band Edge / 1 RB



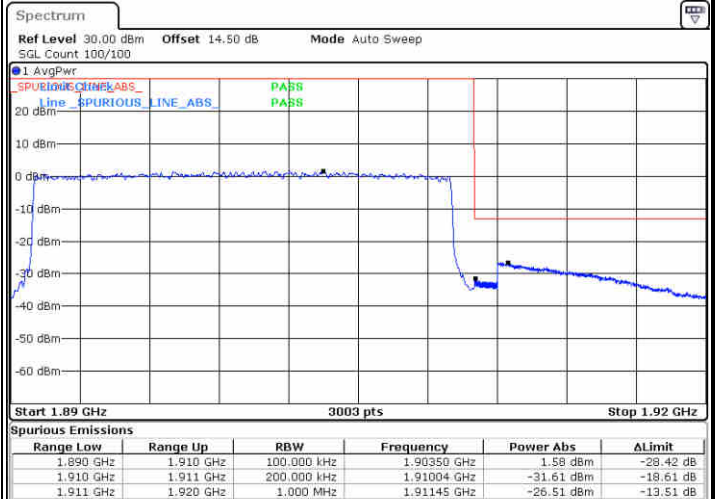
Date: 14.DEC.2019 20:01:02

Lowest Band Edge / Full RB



Date: 14.DEC.2019 21:50:13

Highest Band Edge / Full RB

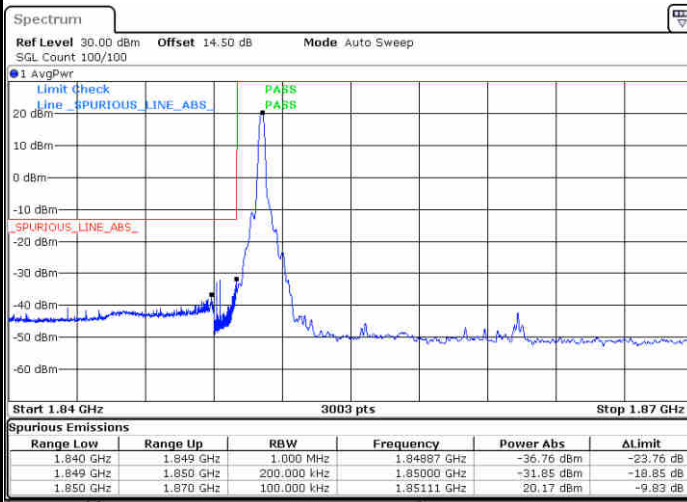


Date: 14.DEC.2019 20:03:04



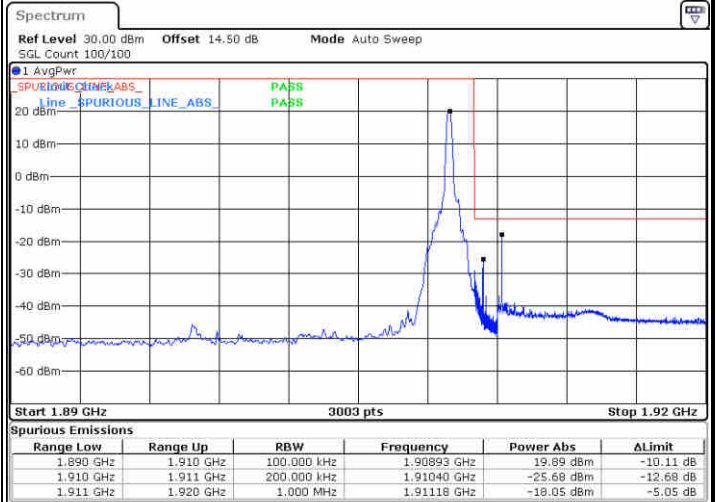
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



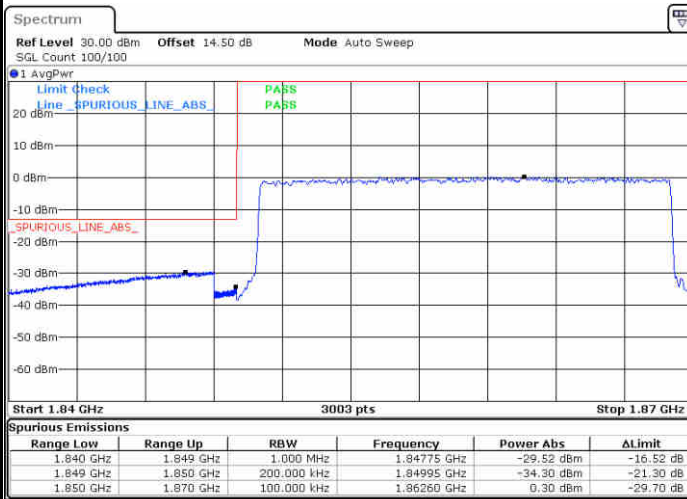
Date: 14.DEC.2019 19:57:59

Highest Band Edge / 1 RB



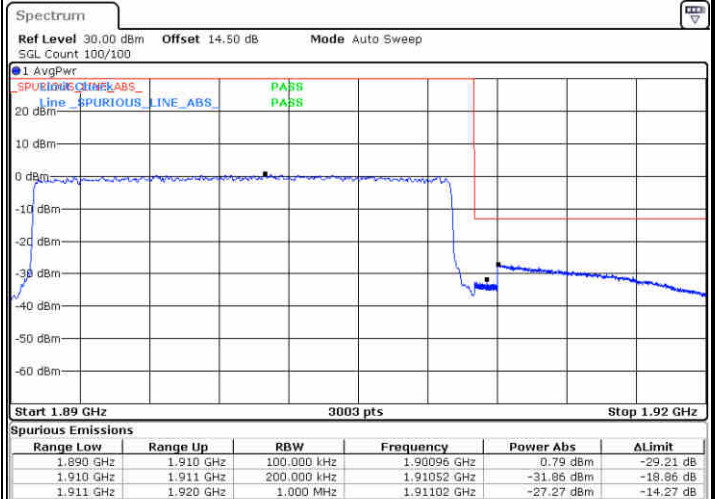
Date: 14.DEC.2019 20:02:03

Lowest Band Edge / Full RB



Date: 14.DEC.2019 20:00:01

Highest Band Edge / Full RB

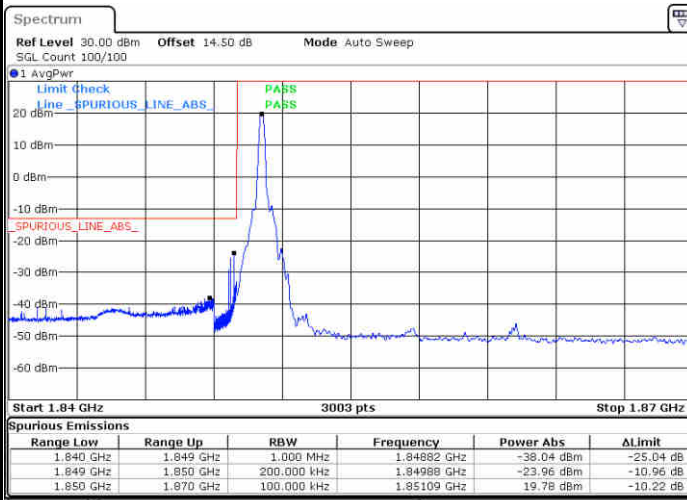


Date: 14.DEC.2019 20:04:05



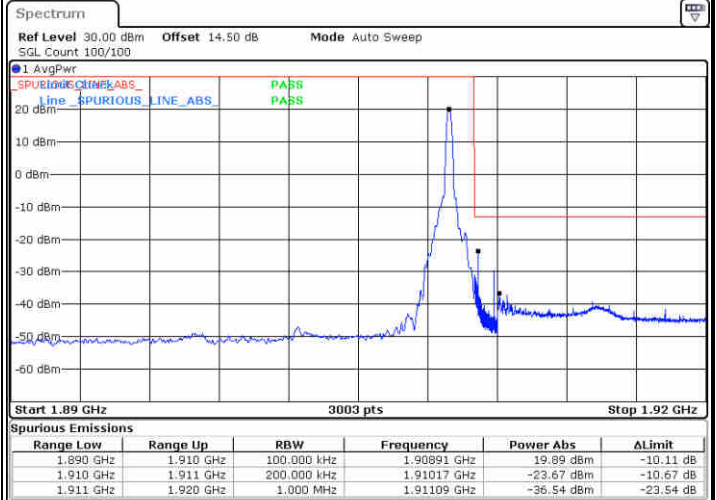
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



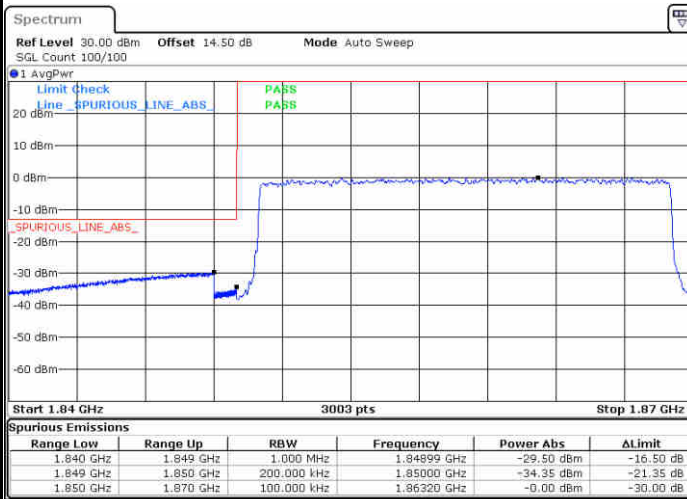
Date: 14.DEC.2019 21:51:01

Highest Band Edge / 1 RB



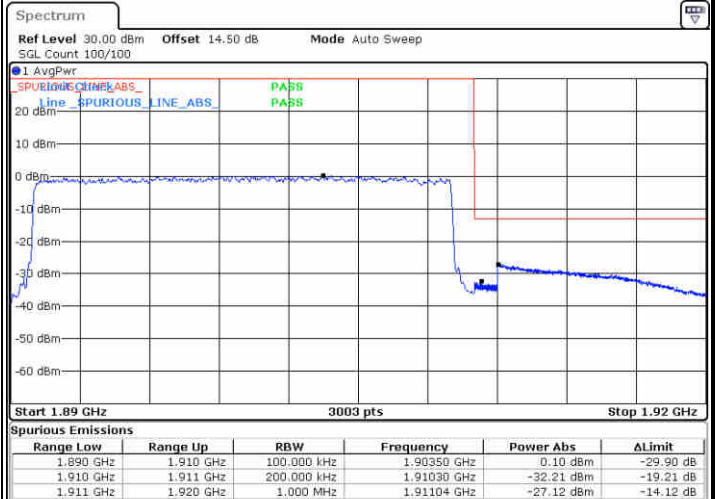
Date: 14.DEC.2019 21:51:24

Lowest Band Edge / Full RB



Date: 14.DEC.2019 21:50:43

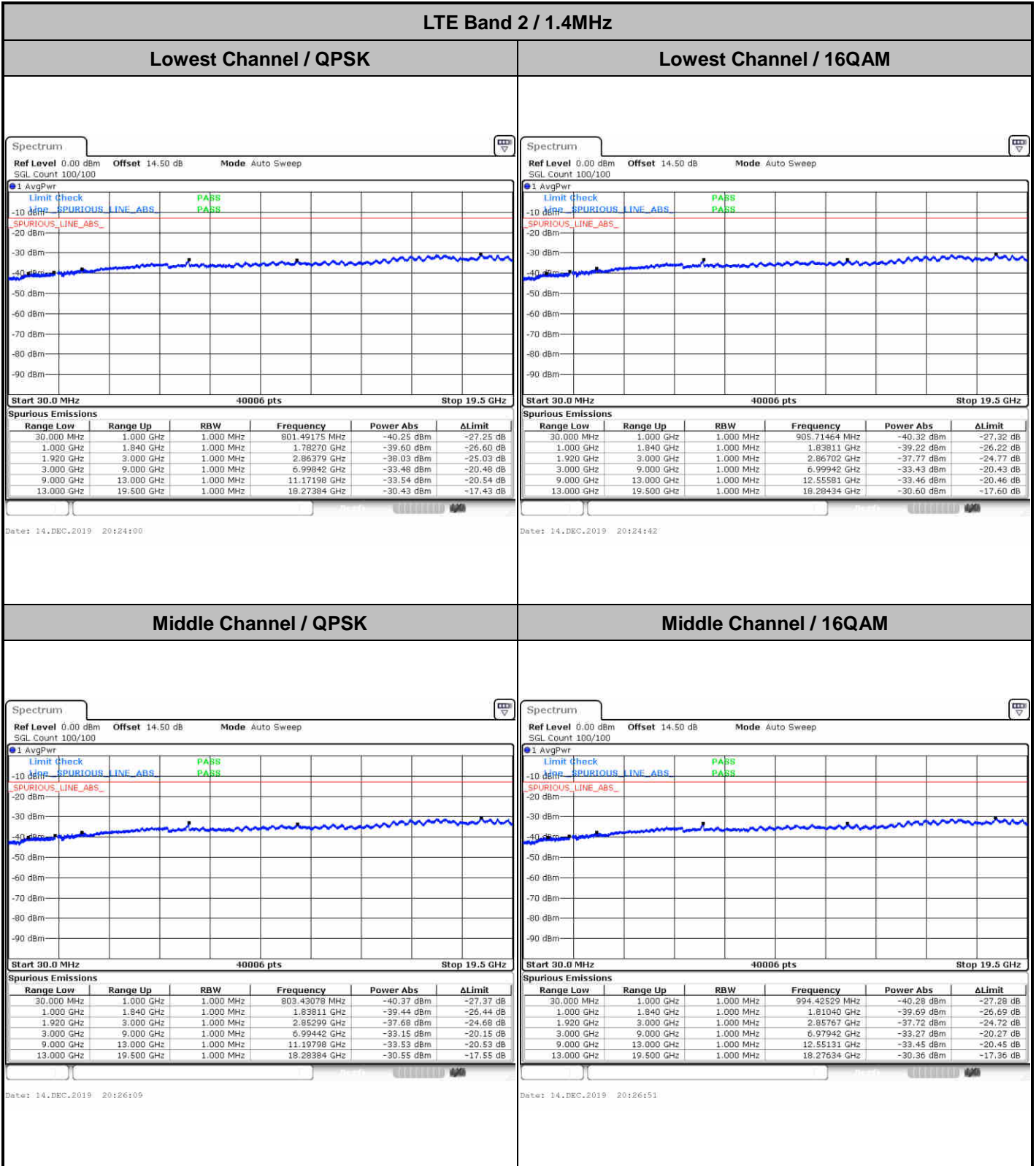
Highest Band Edge / Full RB



Date: 14.DEC.2019 21:51:40



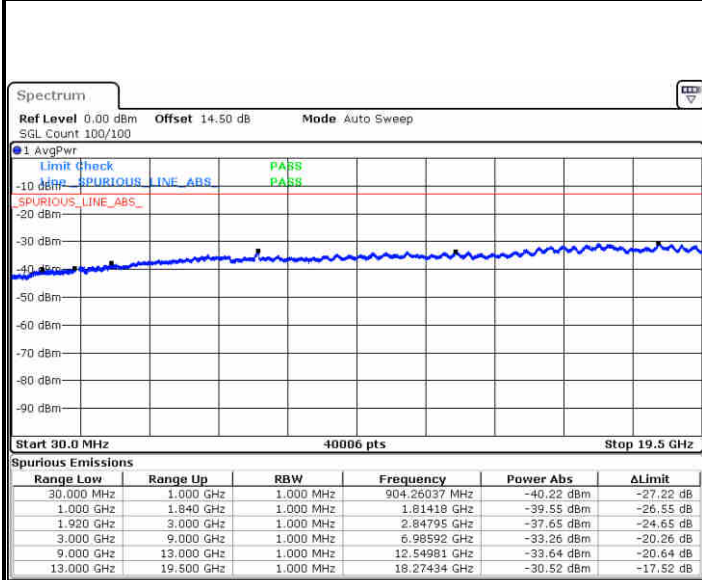
Conducted Spurious Emission





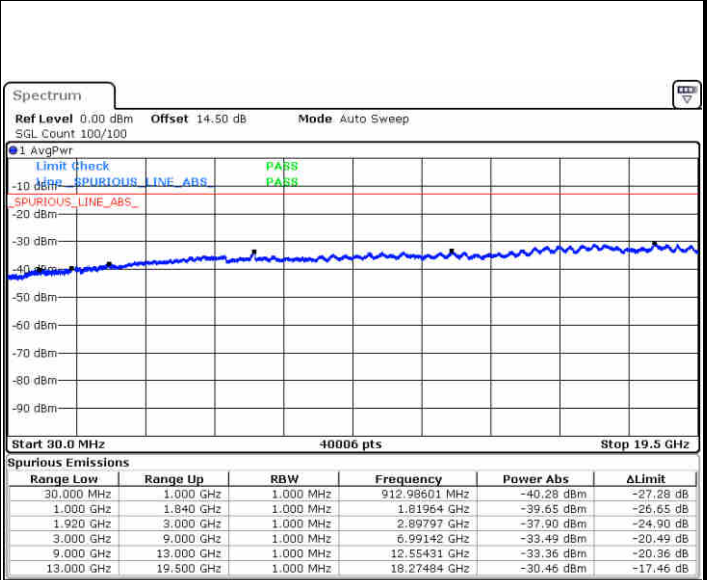
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 14.DEC.2019 20:28:18

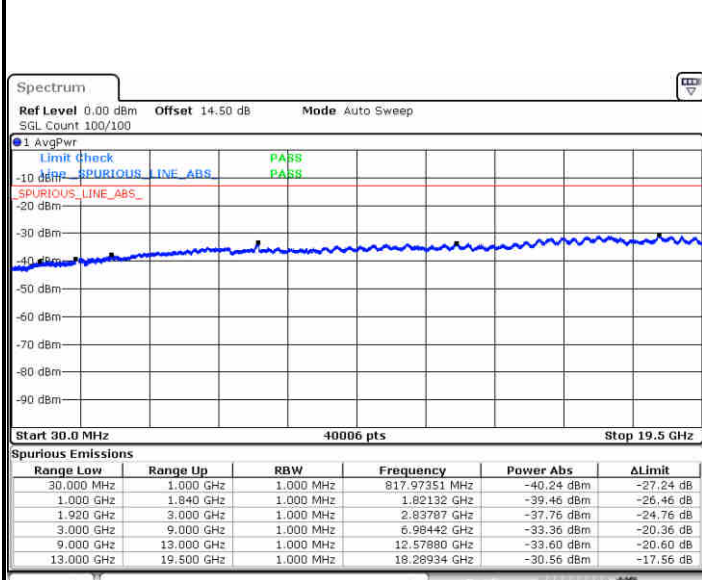
Highest Channel / 16QAM



Date: 14.DEC.2019 20:29:00

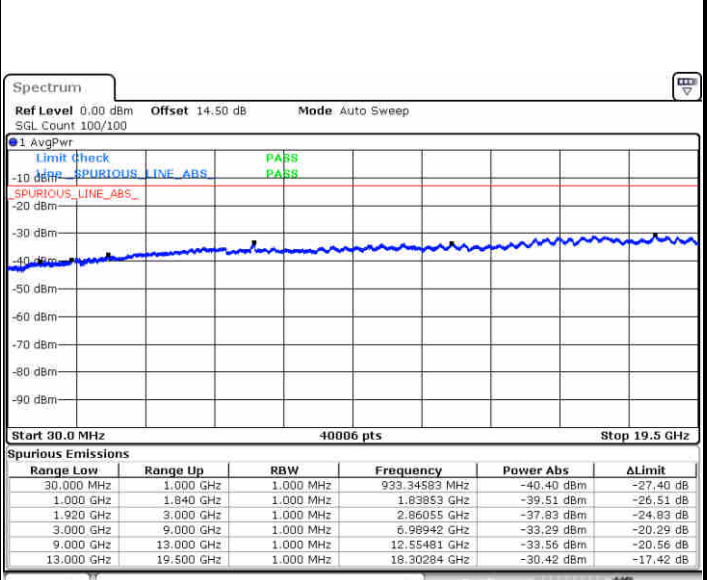
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 14.DEC.2019 20:30:27

Lowest Channel / 16QAM

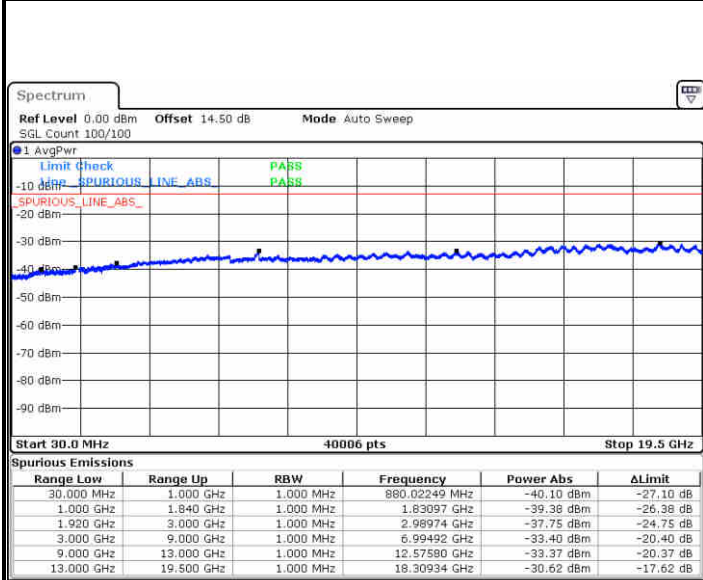


Date: 14.DEC.2019 20:31:09



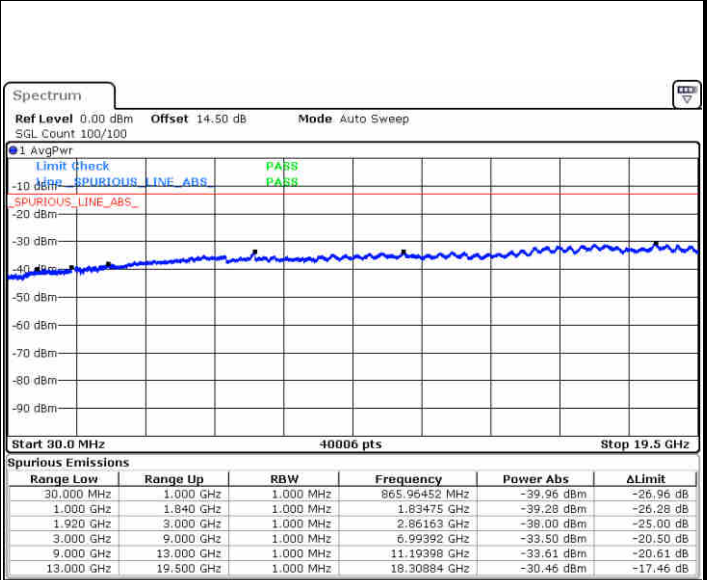
LTE Band 2 / 3MHz

Middle Channel / QPSK



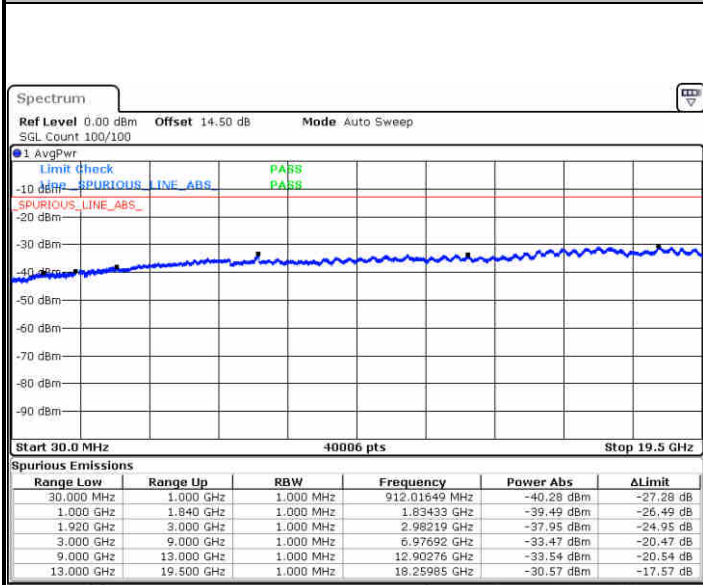
Date: 14. DEC. 2019 20:32:36

Middle Channel / 16QAM



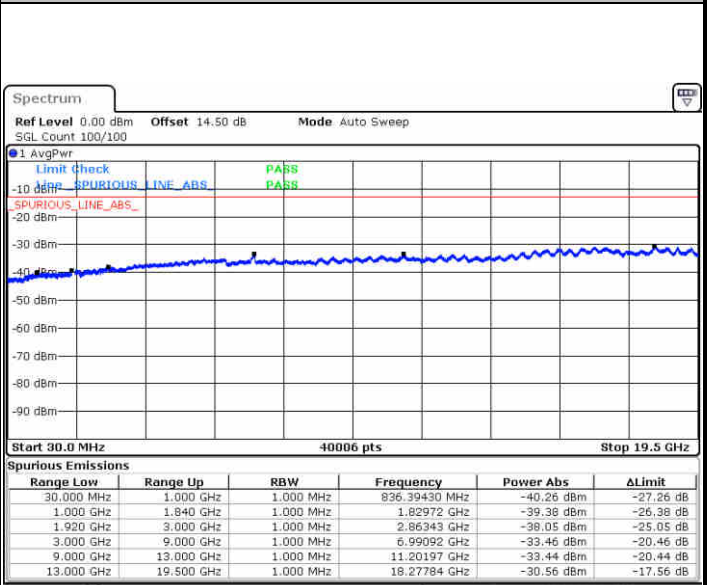
Date: 14. DEC. 2019 20:33:18

Highest Channel / QPSK



Date: 14. DEC. 2019 20:34:45

Highest Channel / 16QAM

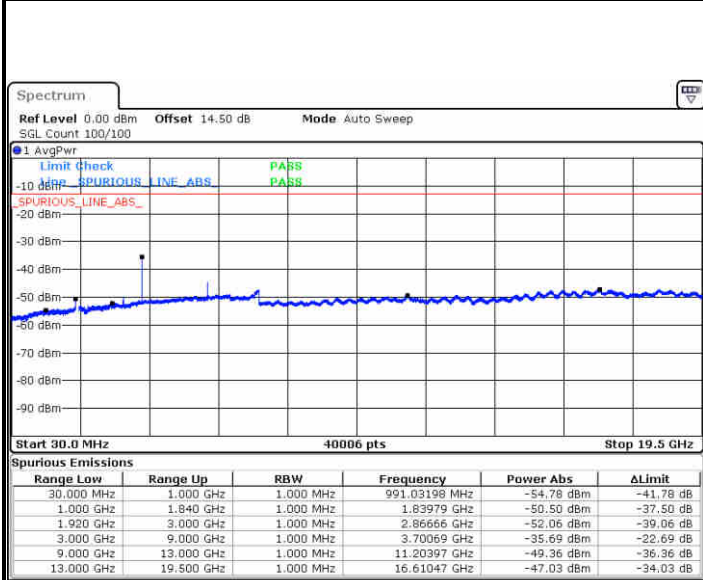


Date: 14. DEC. 2019 20:35:27



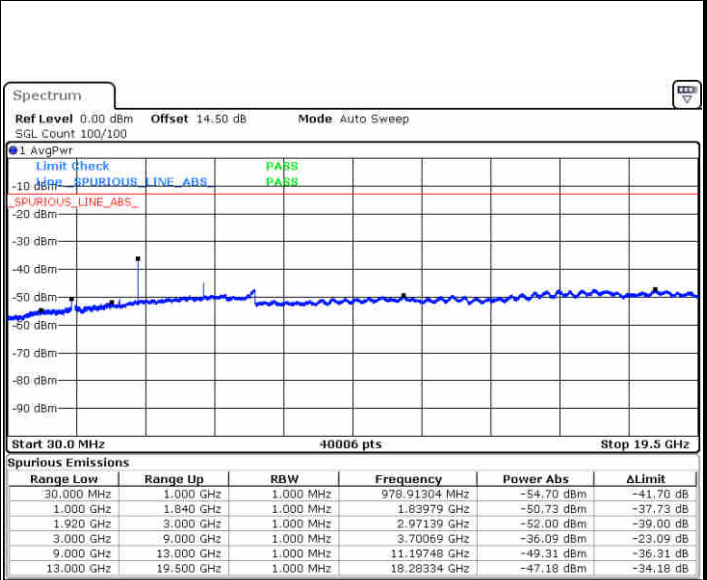
LTE Band 2 / 5MHz

Lowest Channel / QPSK



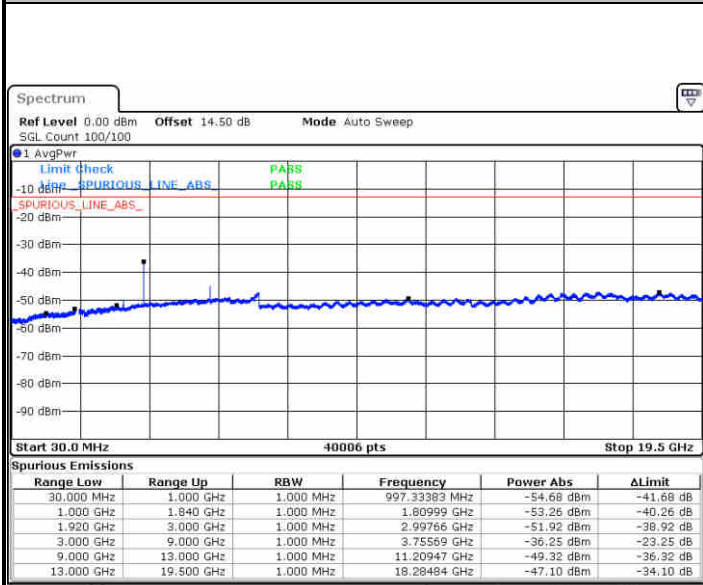
Date: 14.DEC.2019 20:36:54

Lowest Channel / 16QAM



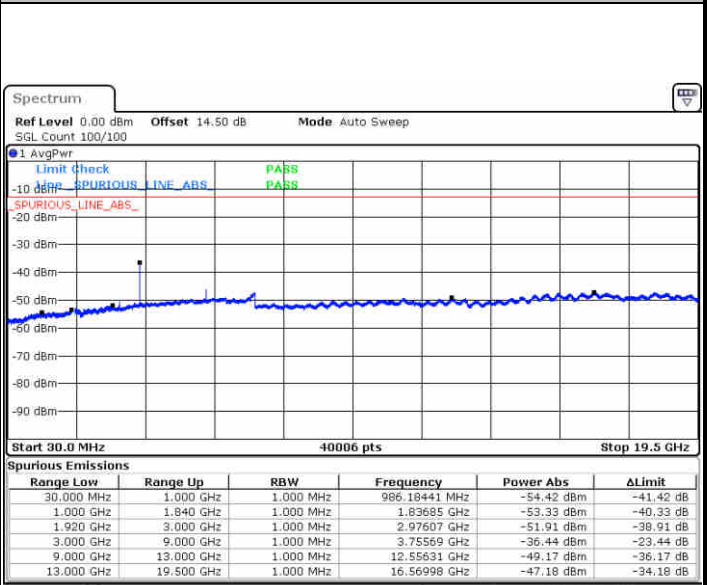
Date: 14.DEC.2019 20:37:37

Middle Channel / QPSK



Date: 14.DEC.2019 20:39:04

Middle Channel / 16QAM

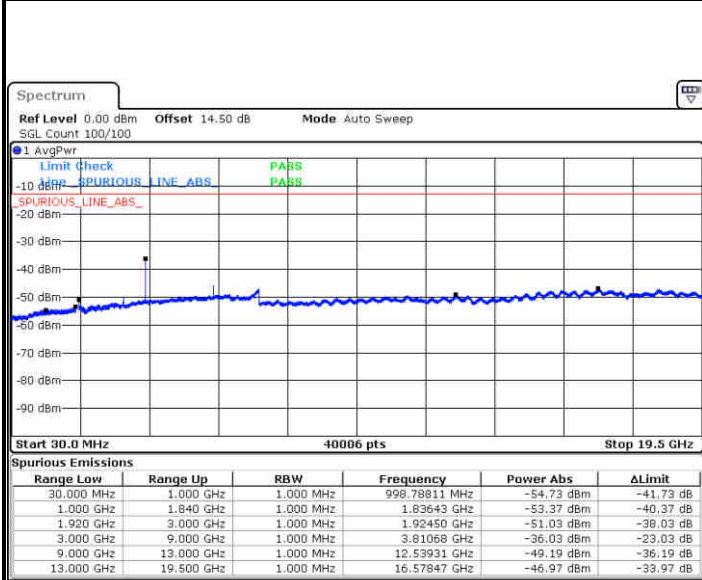


Date: 14.DEC.2019 20:39:46



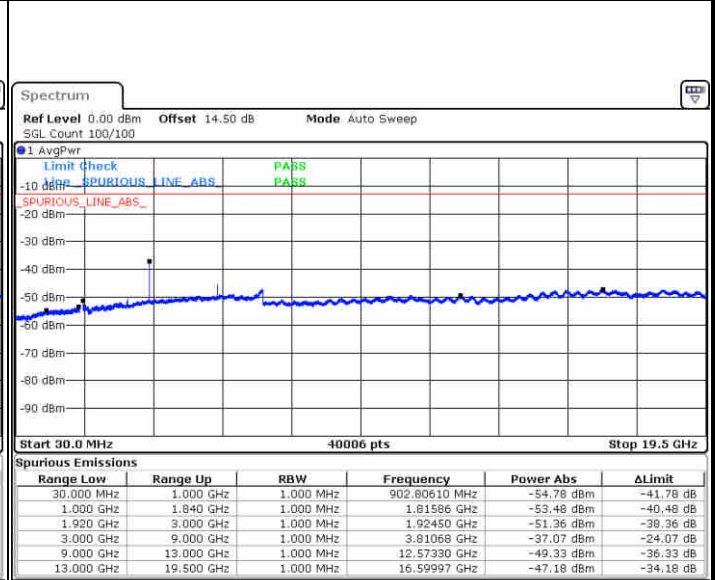
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 14.DEC.2019 20:41:13

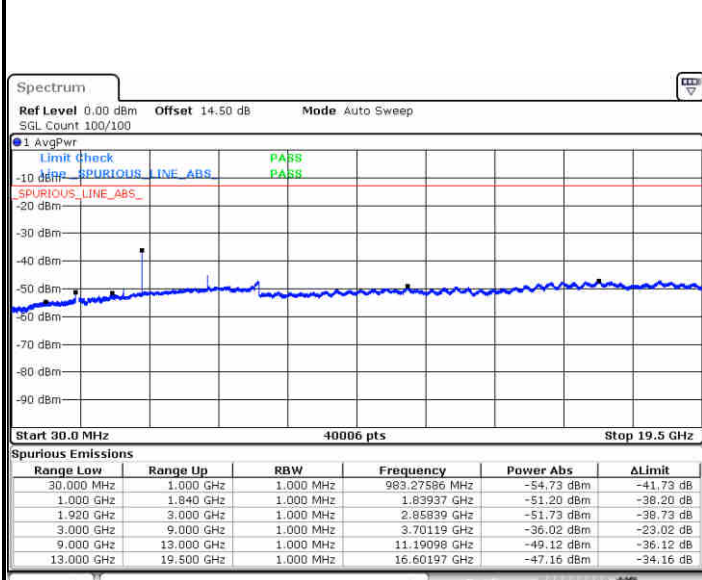
Highest Channel / 16QAM



Date: 14.DEC.2019 20:41:55

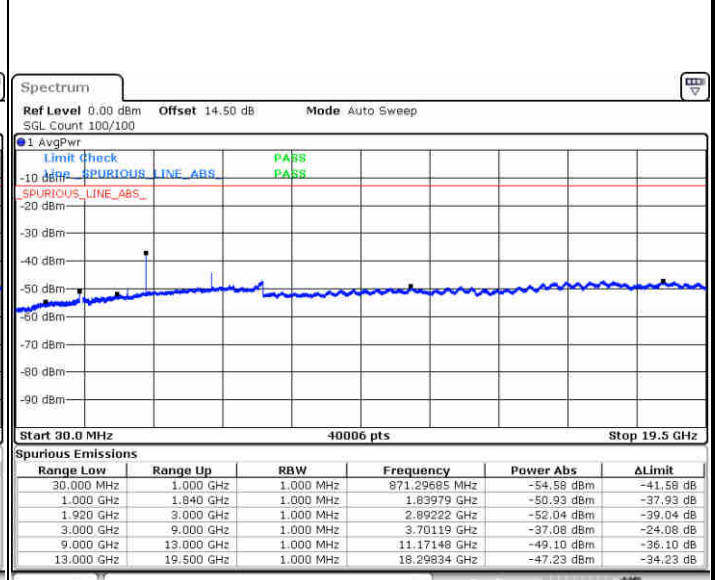
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 14.DEC.2019 20:43:22

Lowest Channel / 16QAM



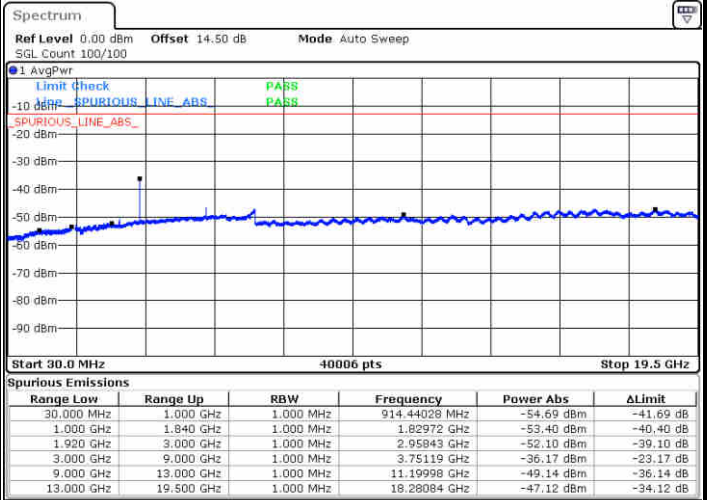
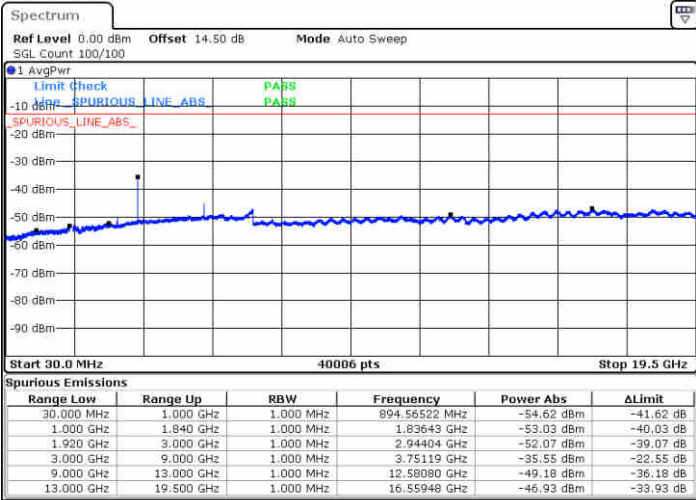
Date: 14.DEC.2019 20:44:04



LTE Band 2 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

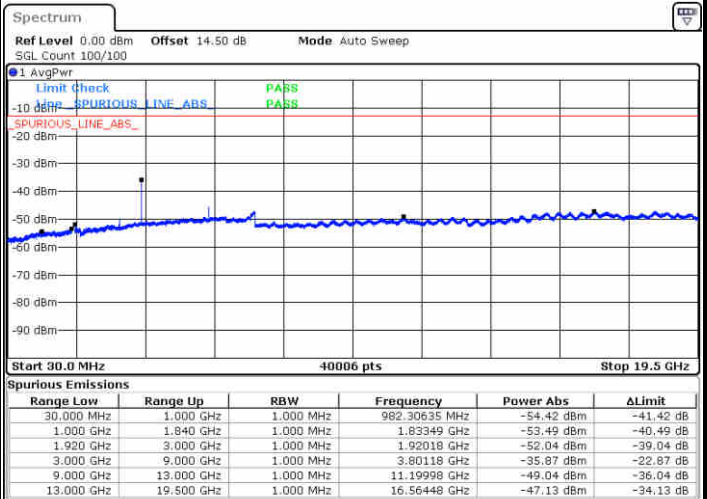
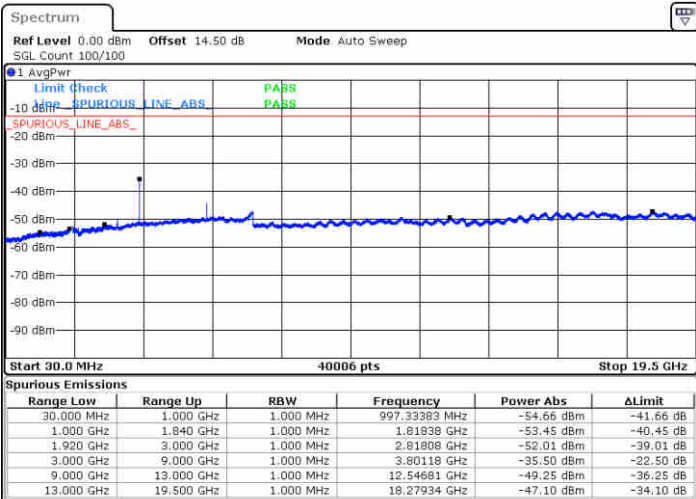


Date: 14.DEC.2019 20:45:31

Date: 14.DEC.2019 20:46:13

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.DEC.2019 20:47:40

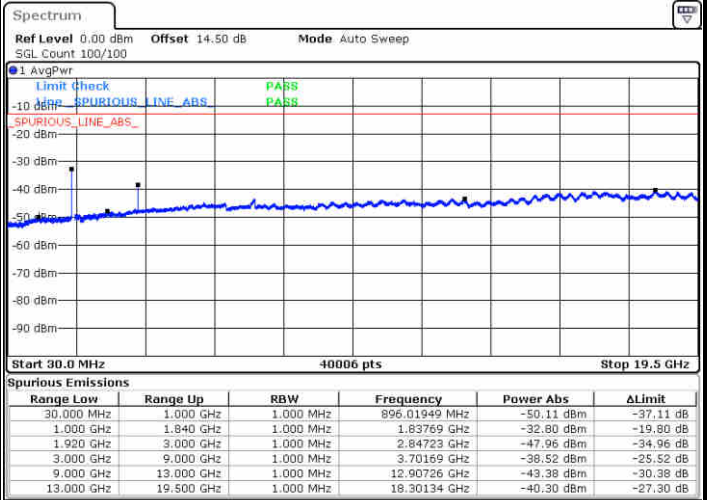
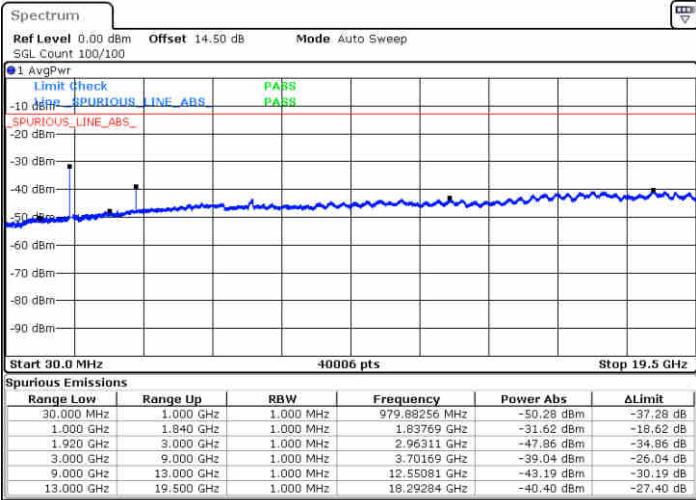
Date: 14.DEC.2019 20:48:22



LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

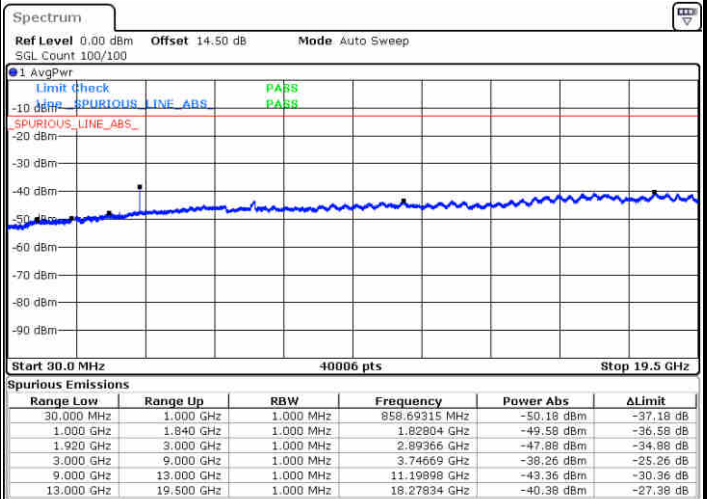
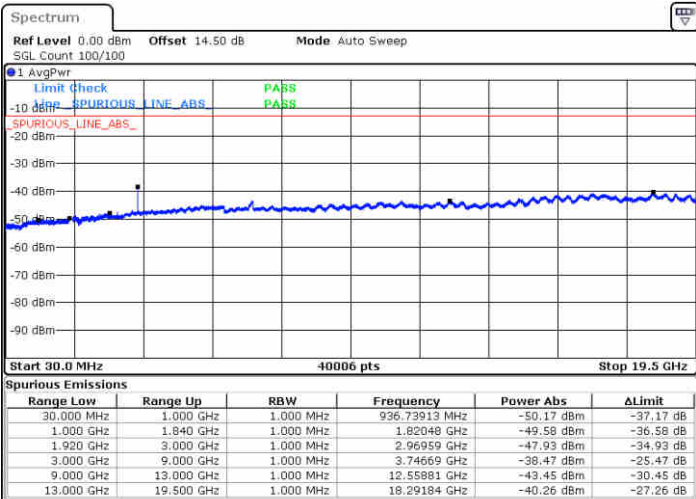


Date: 14.DEC.2019 20:49:50

Date: 14.DEC.2019 20:50:32

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 14.DEC.2019 20:51:59

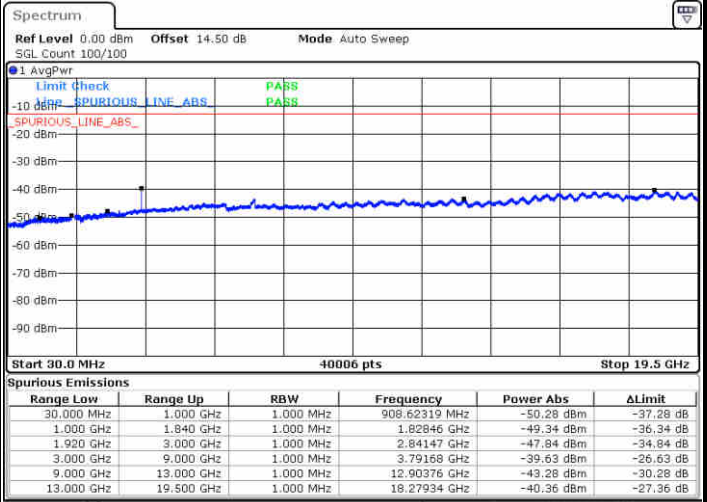
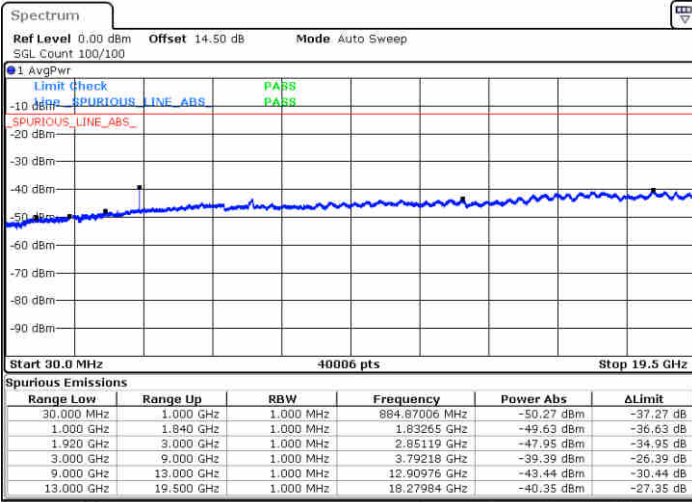
Date: 14.DEC.2019 20:52:41



LTE Band 2 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



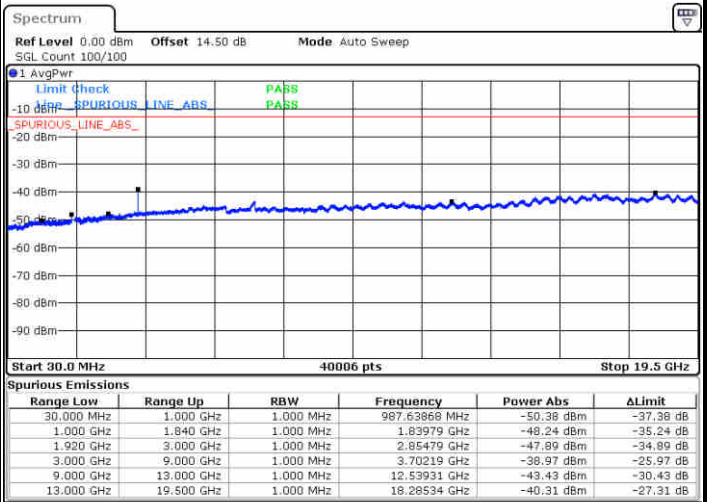
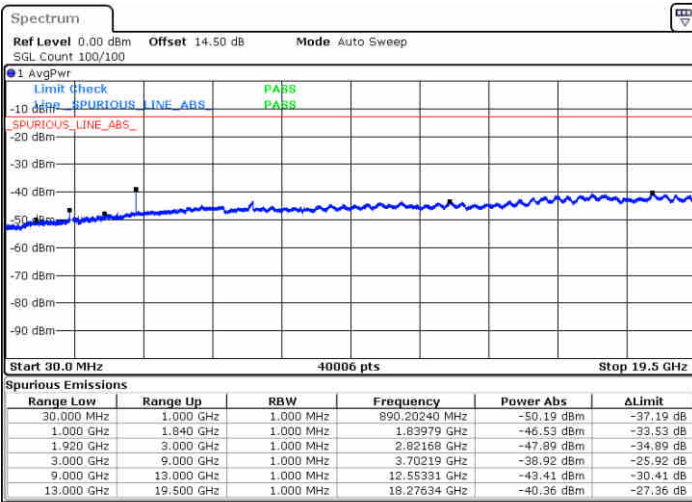
Date: 14.DEC.2019 20:54:08

Date: 14.DEC.2019 20:54:50

LTE Band 2 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



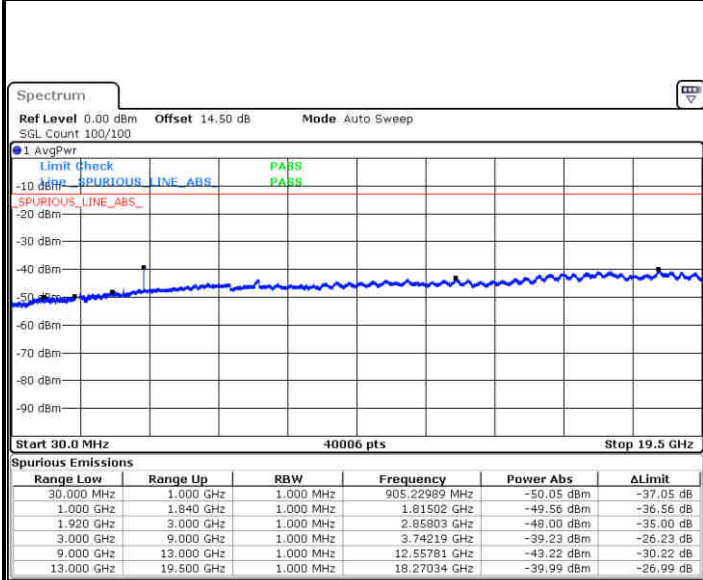
Date: 14.DEC.2019 20:56:18

Date: 14.DEC.2019 20:57:00



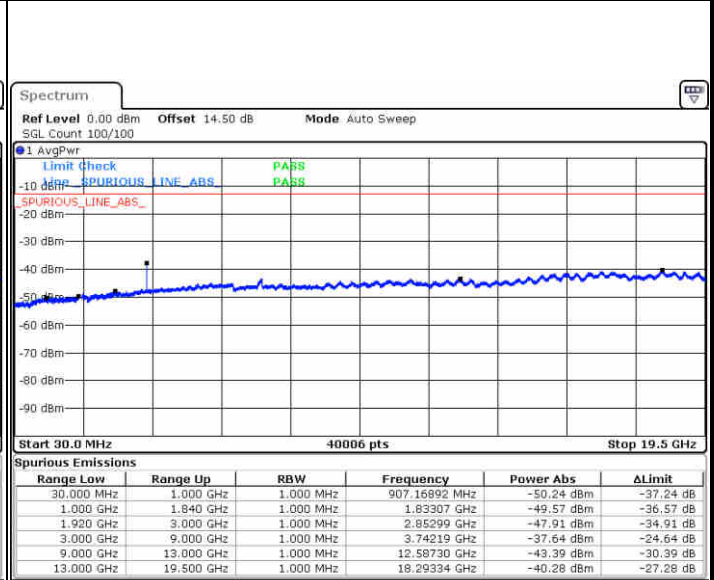
LTE Band 2 / 20MHz

Middle Channel / QPSK



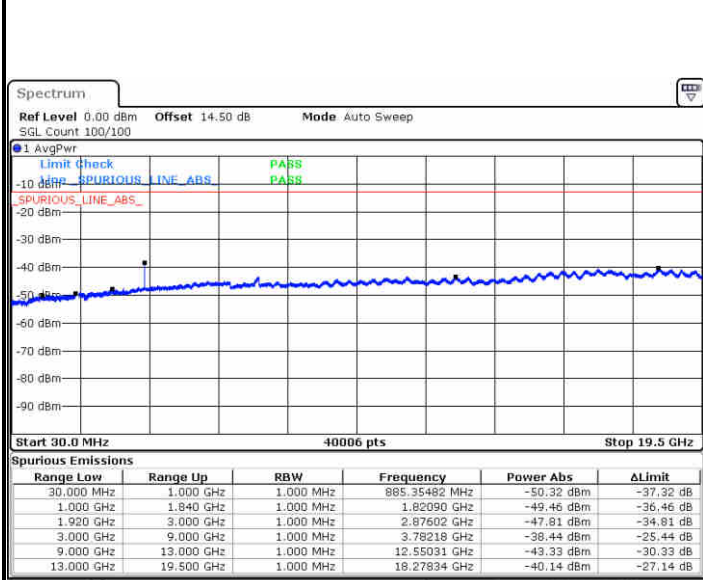
Date: 14.DEC.2019 20:58:27

Middle Channel / 16QAM



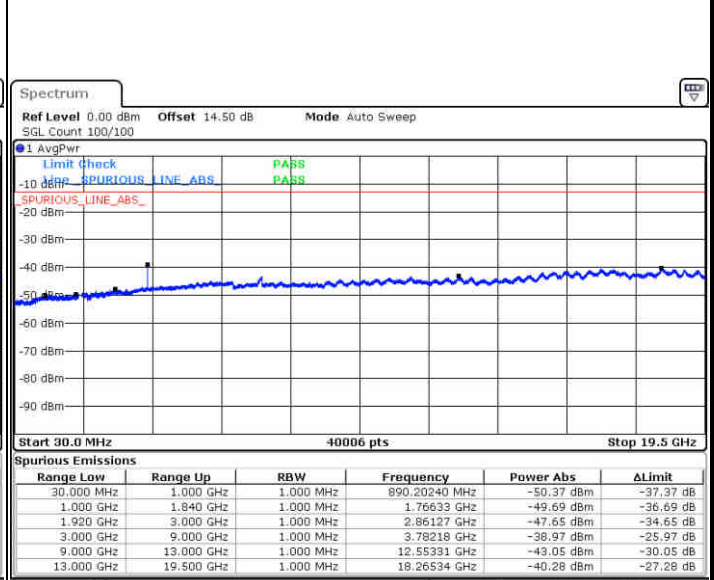
Date: 14.DEC.2019 20:59:09

Highest Channel / QPSK



Date: 14.DEC.2019 21:00:36

Highest Channel / 16QAM

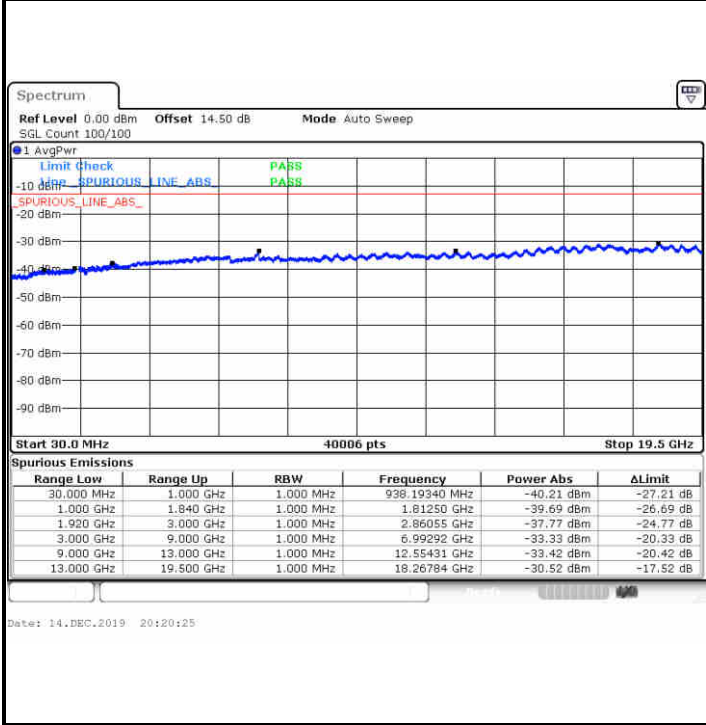


Date: 14.DEC.2019 21:01:18

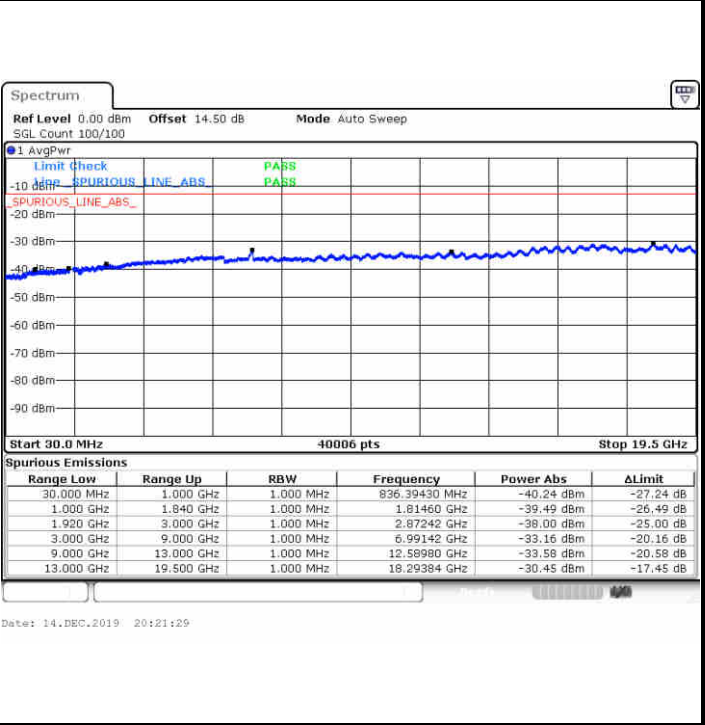


LTE Band 2 / 1.4MHz

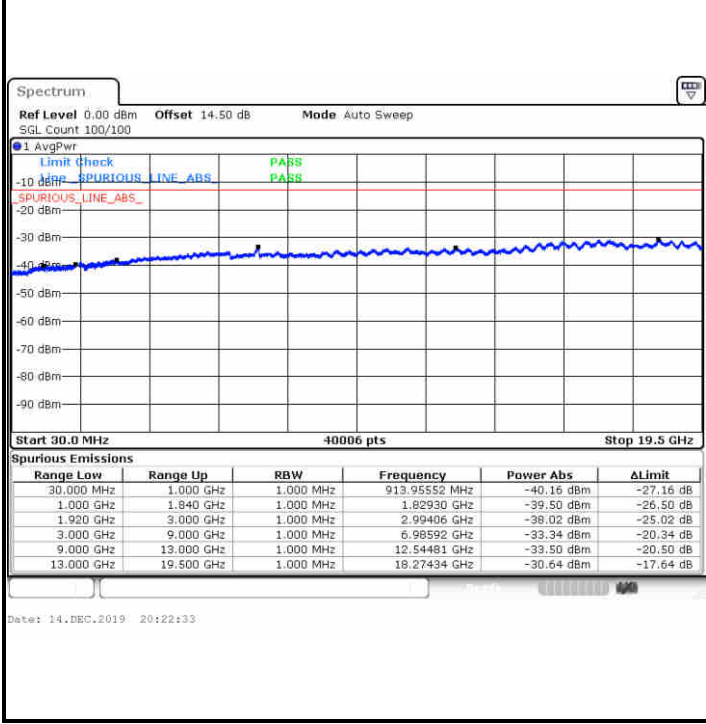
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM



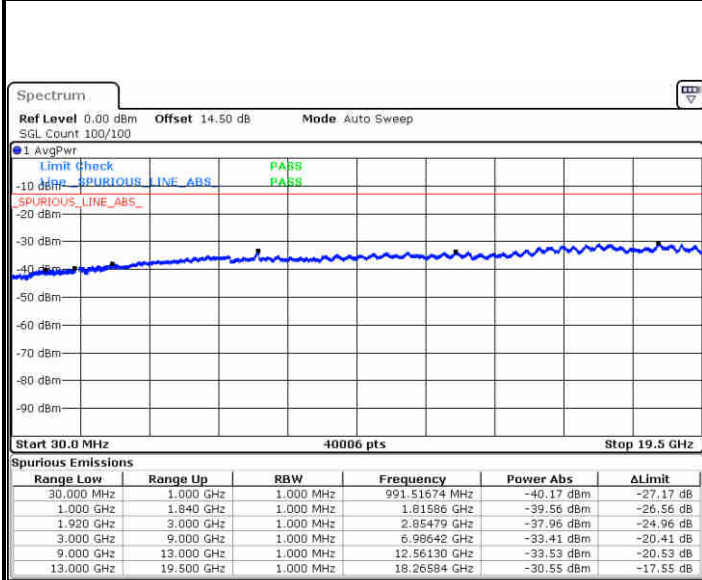
Highest Channel / 64QAM





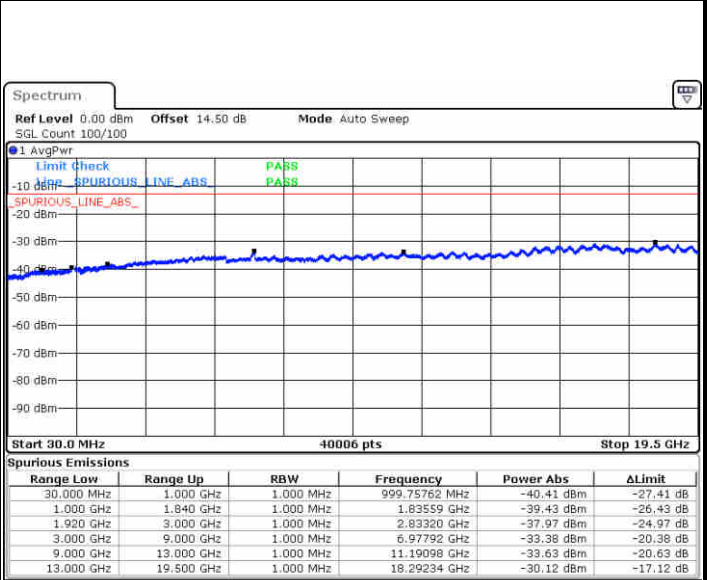
LTE Band 2 / 3MHz

Lowest Channel / 64QAM



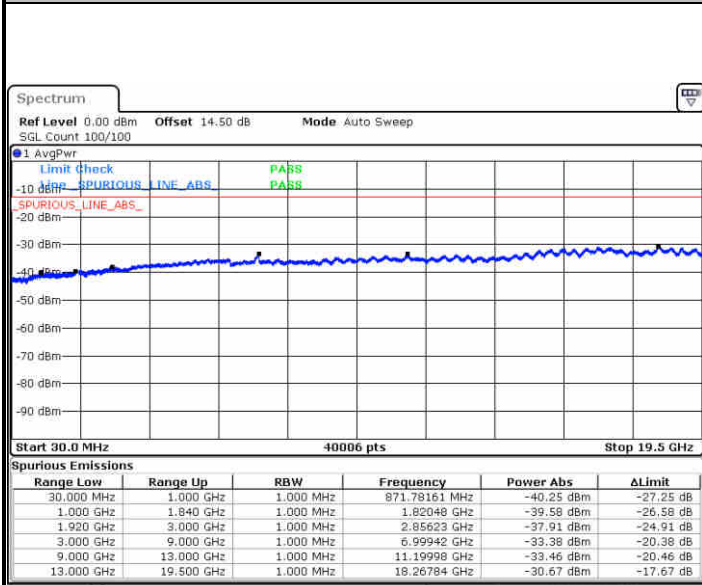
Date: 14.DEC.2019 21:02:54

Middle Channel / 64QAM



Date: 14.DEC.2019 21:03:58

Highest Channel / 64QAM



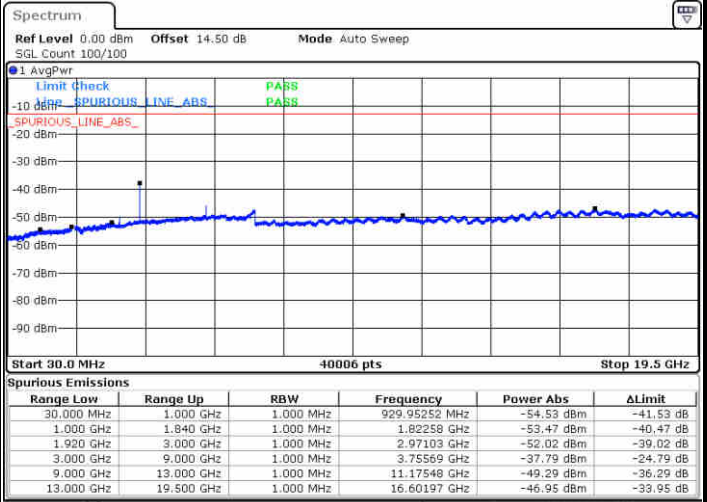
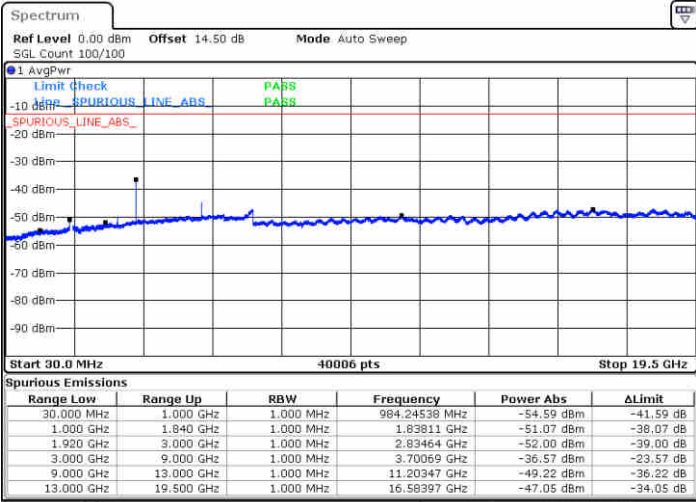
Date: 14.DEC.2019 21:05:03



LTE Band 2 / 5MHz

Lowest Channel / 64QAM

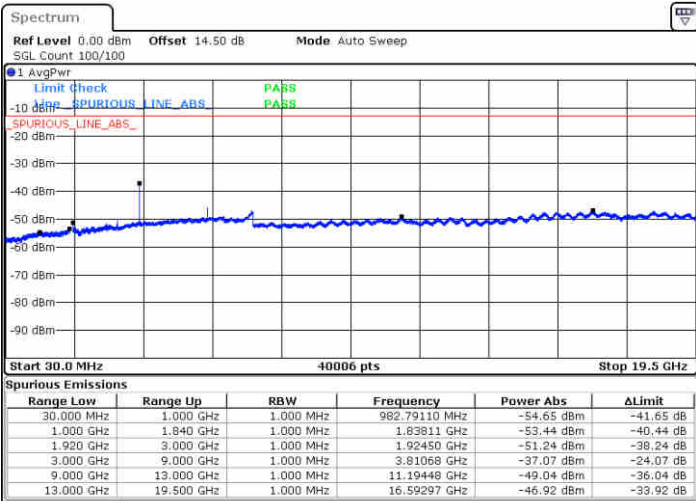
Middle Channel / 64QAM



Date: 14.DEC.2019 21:06:07

Date: 14.DEC.2019 21:07:12

Highest Channel / 64QAM



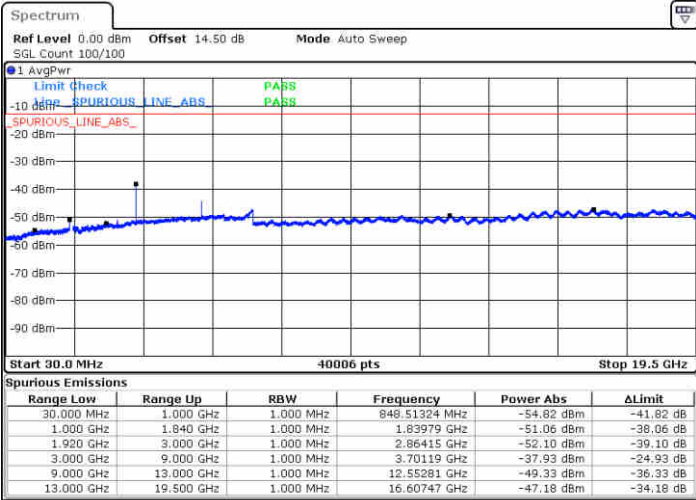
Date: 14.DEC.2019 21:08:16



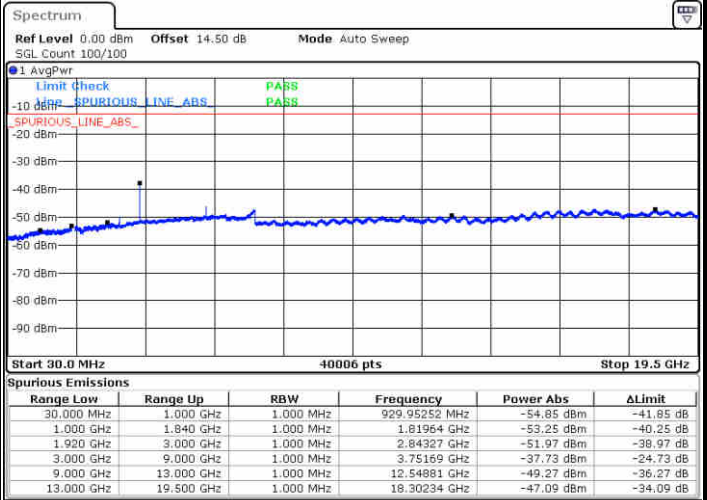
LTE Band 2 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

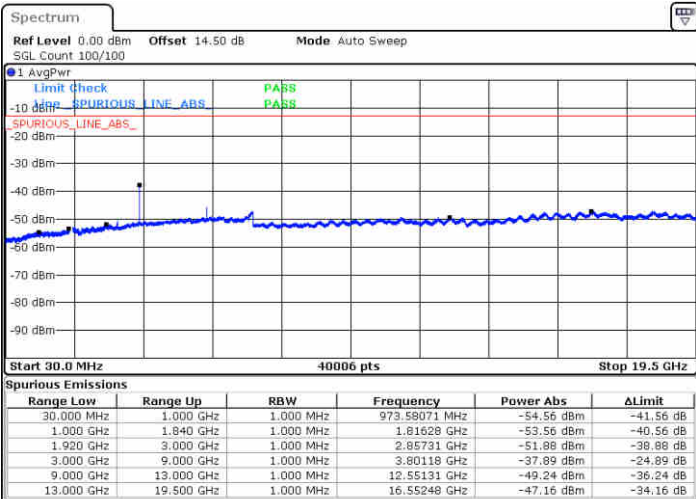


Date: 14.DEC.2019 21:09:21



Date: 14.DEC.2019 21:10:25

Highest Channel / 64QAM



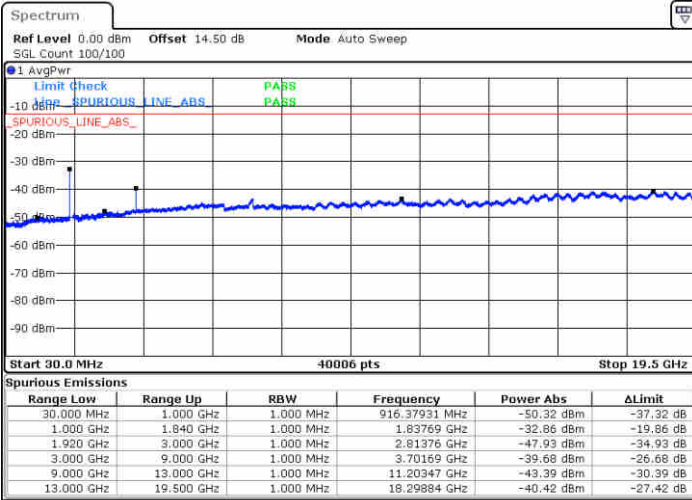
Date: 14.DEC.2019 21:11:30



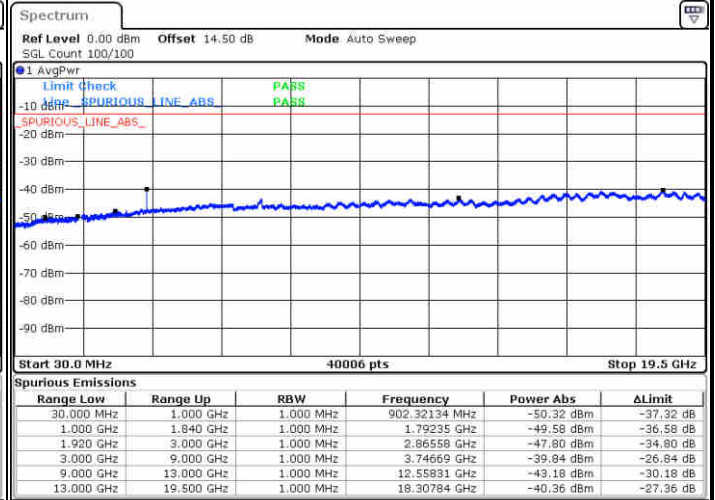
LTE Band 2 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

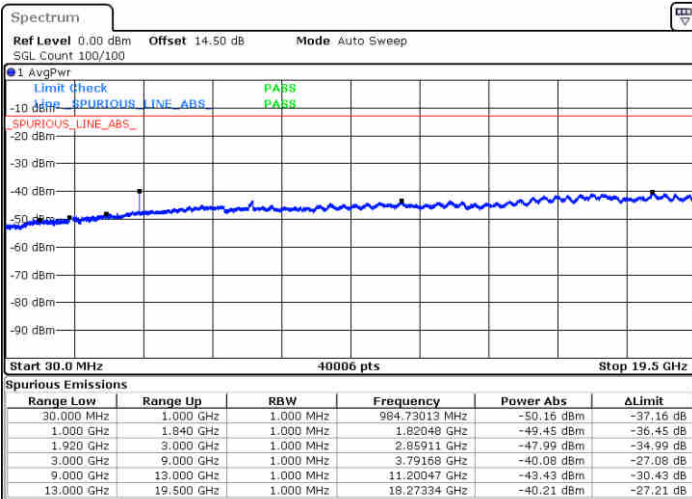


Date: 14.DEC.2019 21:12:34



Date: 14.DEC.2019 21:13:38

Highest Channel / 64QAM



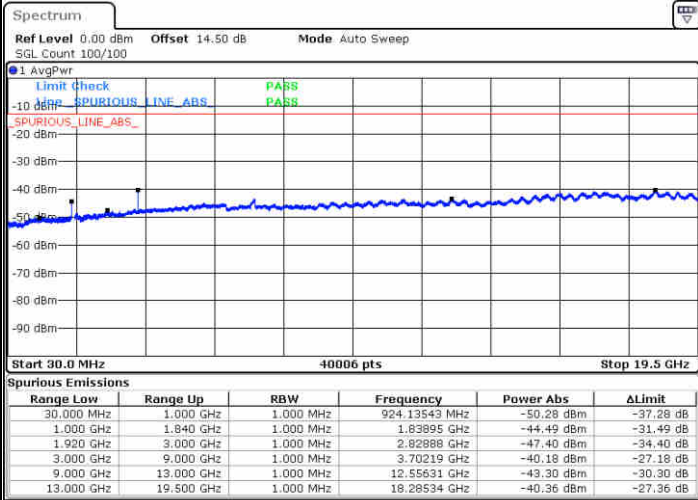
Date: 14.DEC.2019 21:14:42



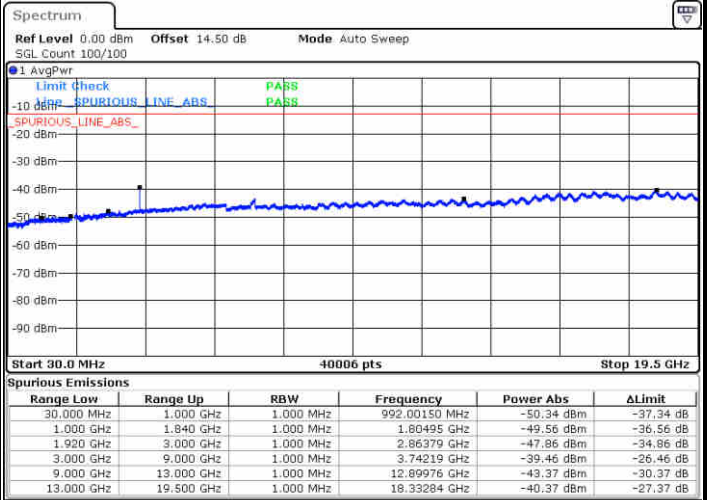
LTE Band 2 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

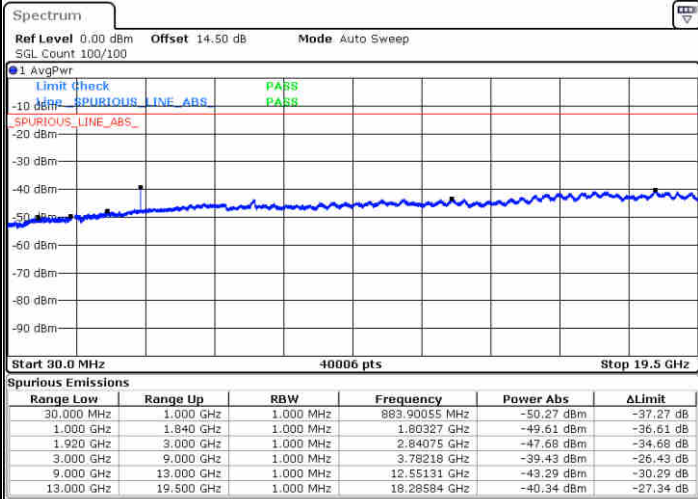


Date: 14.DEC.2019 21:15:46



Date: 14.DEC.2019 21:16:51

Highest Channel / 64QAM



Date: 14.DEC.2019 21:17:55



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	0.0246	PASS
40	Normal Voltage	0.0605	
30	Normal Voltage	0.0465	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0177	
0	Normal Voltage	0.0665	
-10	Normal Voltage	0.0871	
-20	Normal Voltage	0.0090	
-30	Normal Voltage	0.0059	
20	Maximum Voltage	0.0225	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0087	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 4

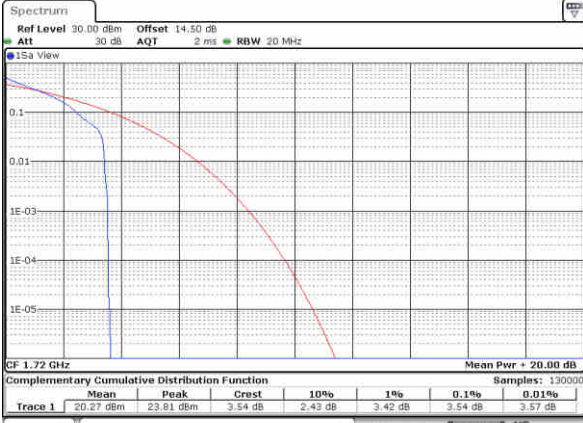
Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.54	4.81	5.33	5.74	PASS
Middle CH	3.45	4.96	5.01	5.83	
Highest CH	3.57	4.90	5.25	5.71	
Mode	LTE Band 4 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.42	5.65	-	-	PASS
Middle CH	5.28	5.83	-	-	
Highest CH	5.19	5.71	-	-	



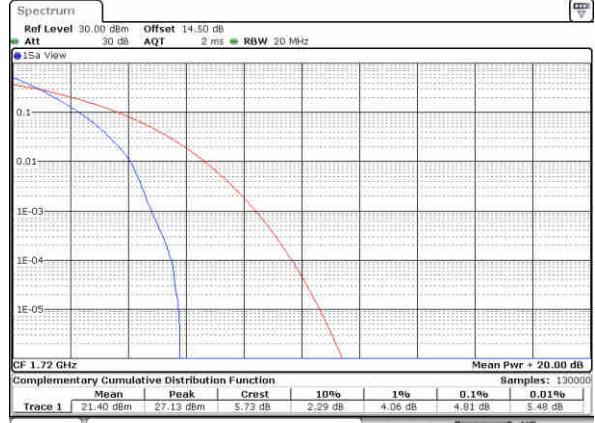
LTE Band 4 / 20MHz / QPSK

Lowest Channel / 1RB



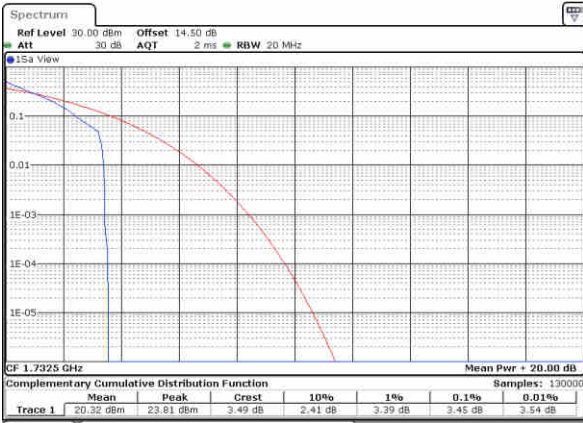
Date: 15, DEC, 2019 00:27:36

Lowest Channel / Full RB



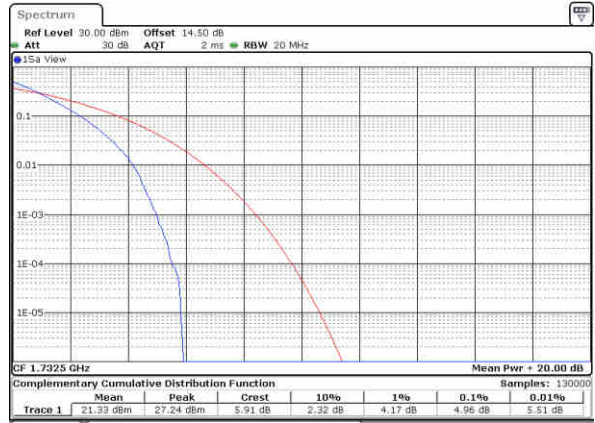
Date: 15, DEC, 2019 00:27:47

Middle Channel / 1RB



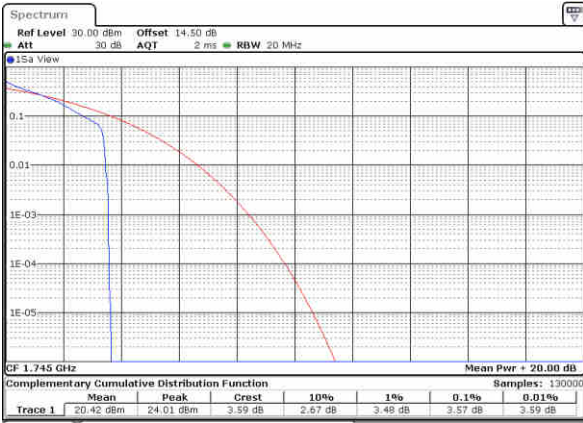
Date: 15, DEC, 2019 00:27:58

Middle Channel / Full RB



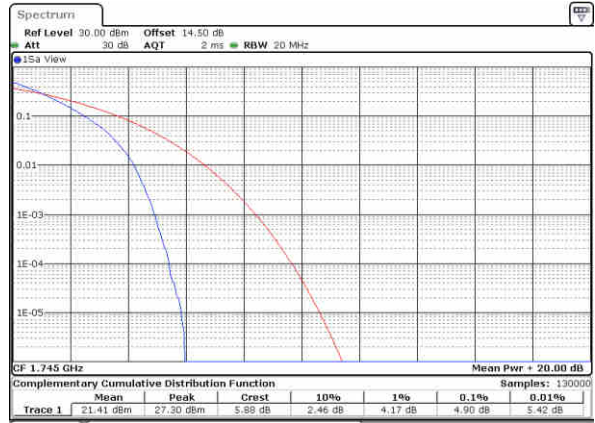
Date: 15, DEC, 2019 00:28:08

Highest Channel / 1RB



Date: 15, DEC, 2019 00:28:20

Highest Channel / Full RB



Date: 15, DEC, 2019 00:28:31