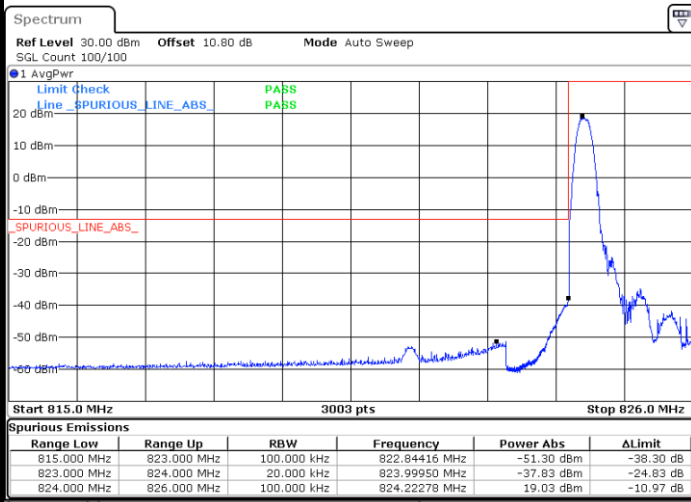




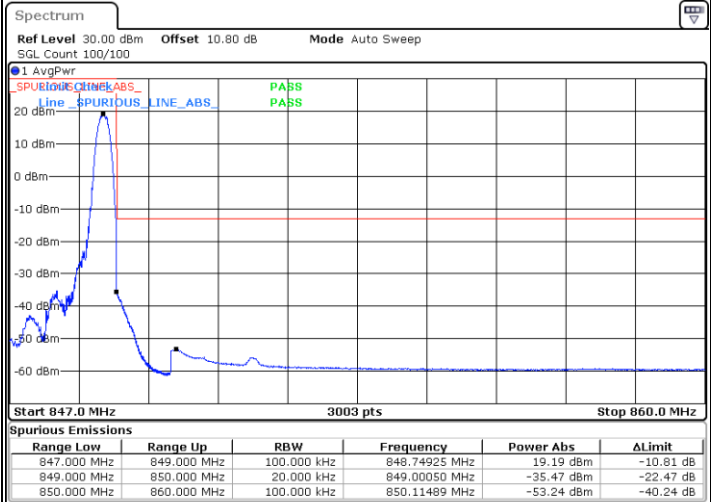
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



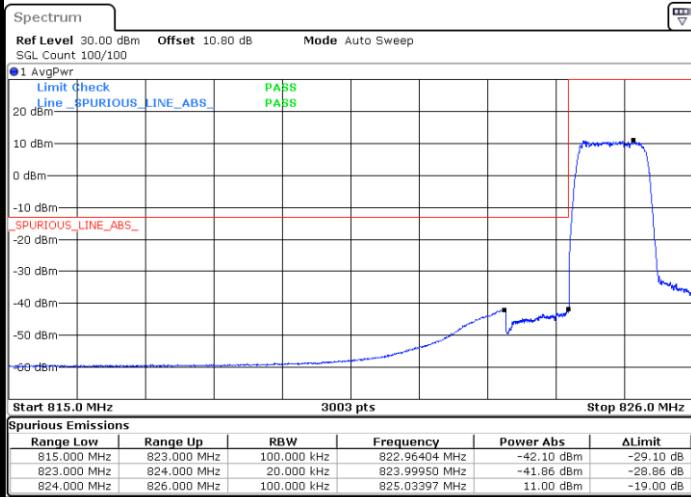
Date: 16 DEC 2019 15:33:01

Highest Band Edge / 1 RB



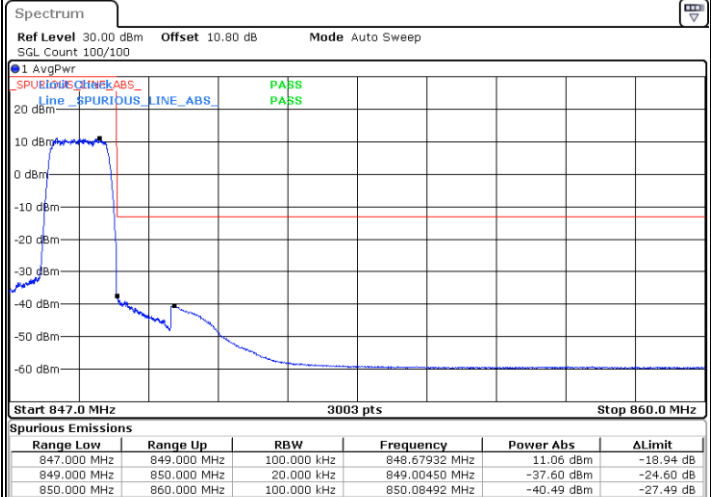
Date: 16 DEC 2019 15:47:22

Lowest Band Edge / Full RB



Date: 16 DEC 2019 15:36:23

Highest Band Edge / Full RB

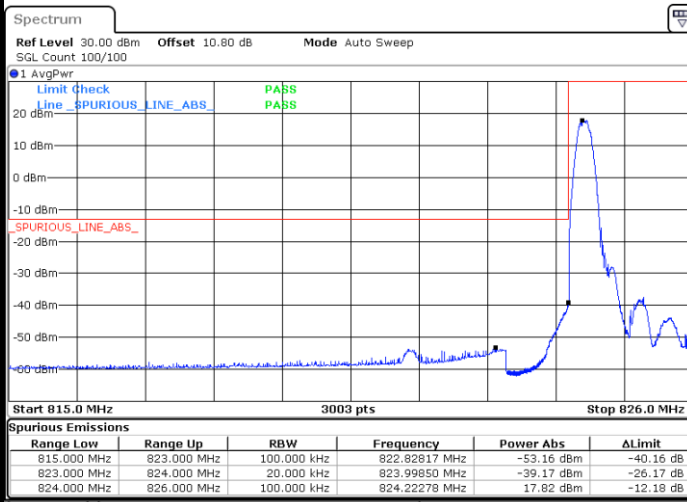


Date: 16 DEC 2019 15:44:00



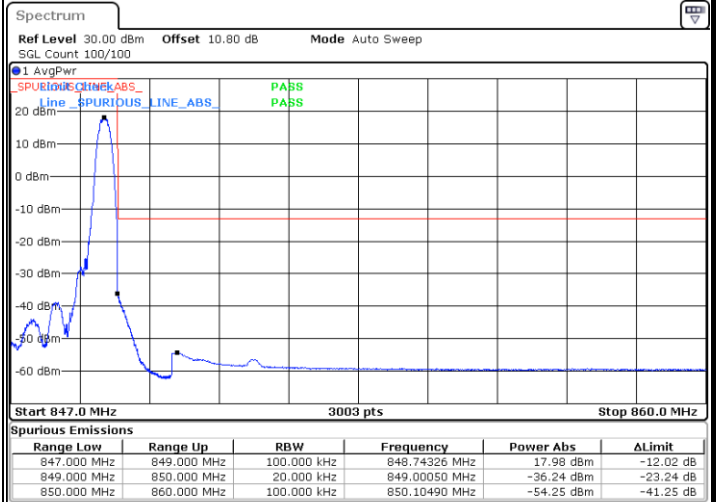
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



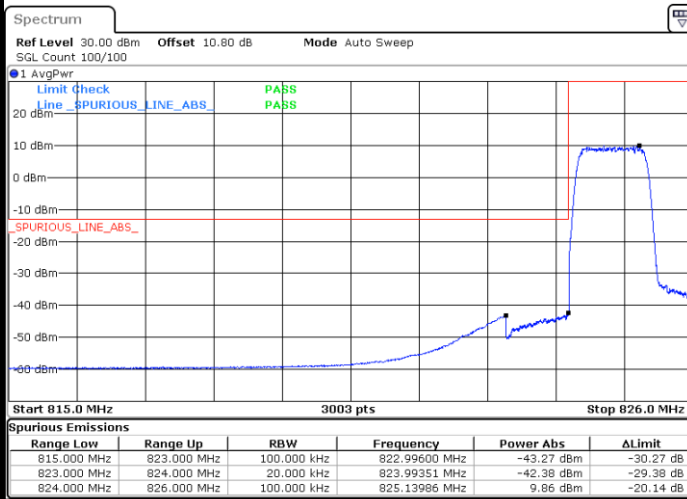
Date: 16 DEC 2019 15:50:48

Highest Band Edge / 1 RB



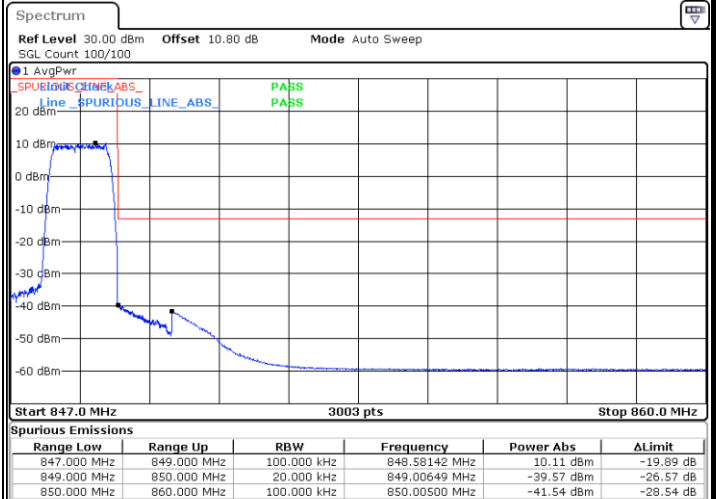
Date: 16 DEC 2019 15:57:58

Lowest Band Edge / Full RB



Date: 16 DEC 2019 15:52:29

Highest Band Edge / Full RB

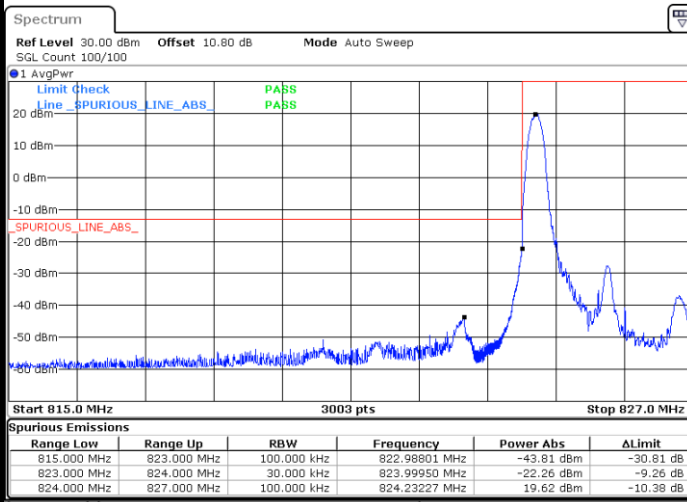


Date: 16 DEC 2019 15:56:18



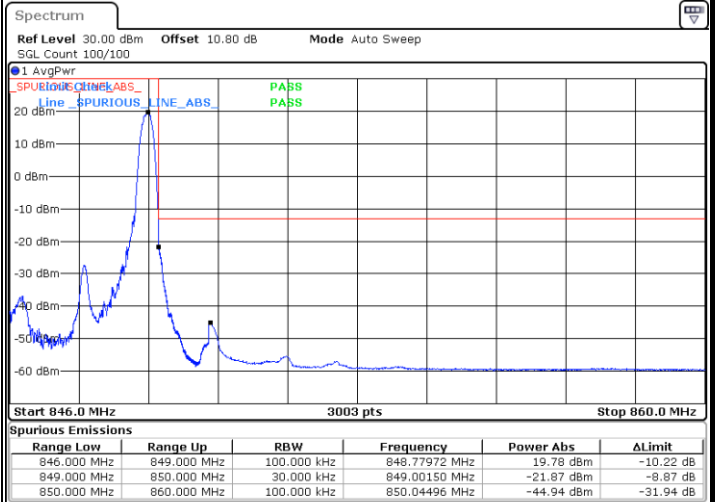
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



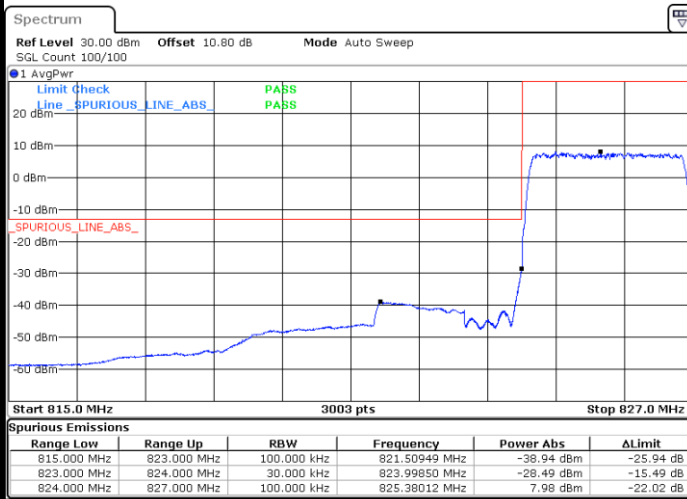
Date: 16 DEC 2019 16:01:09

Highest Band Edge / 1 RB



Date: 16 DEC 2019 16:12:11

Lowest Band Edge / Full RB



Date: 16 DEC 2019 16:04:31

Highest Band Edge / Full RB

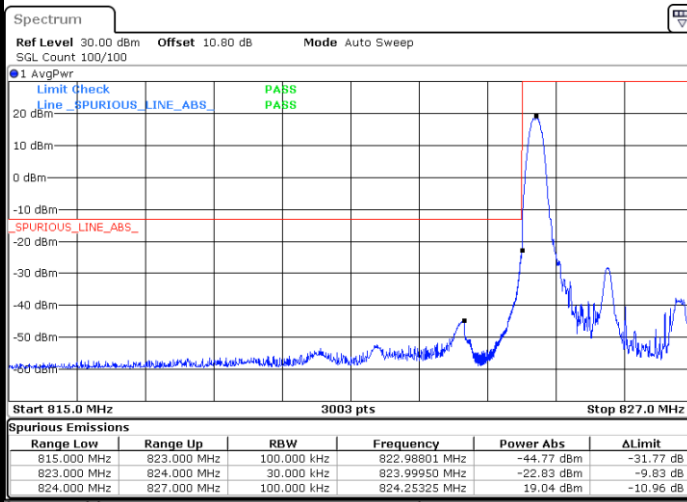


Date: 16 DEC 2019 16:15:32



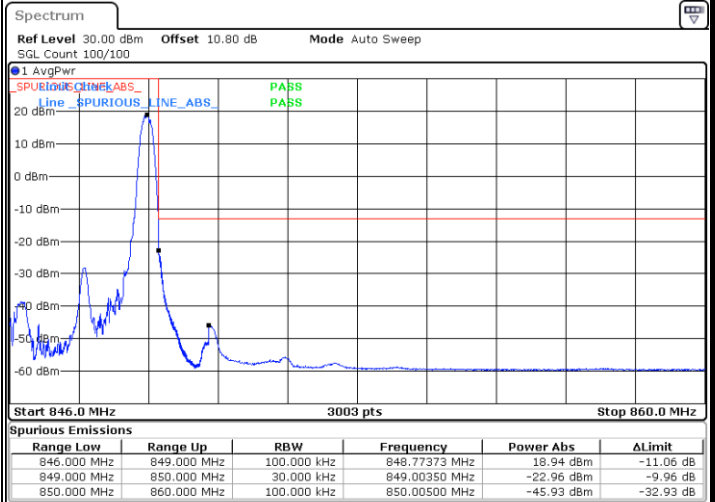
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



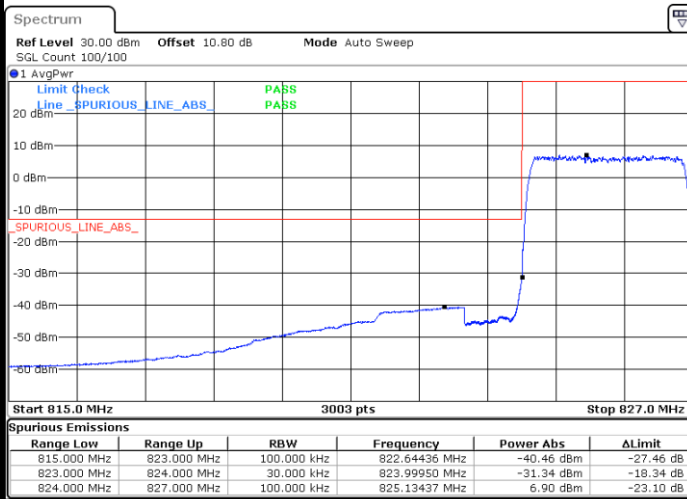
Date: 16 DEC 2019 16:02:50

Highest Band Edge / 1 RB



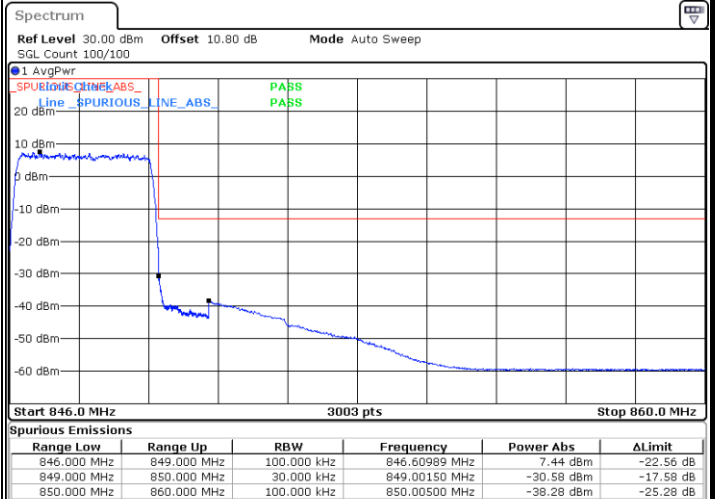
Date: 16 DEC 2019 16:13:51

Lowest Band Edge / Full RB



Date: 16 DEC 2019 16:06:12

Highest Band Edge / Full RB

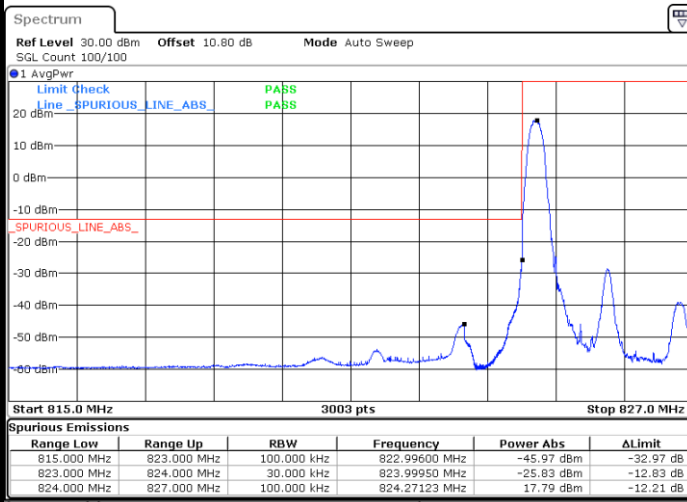


Date: 16 DEC 2019 16:17:13



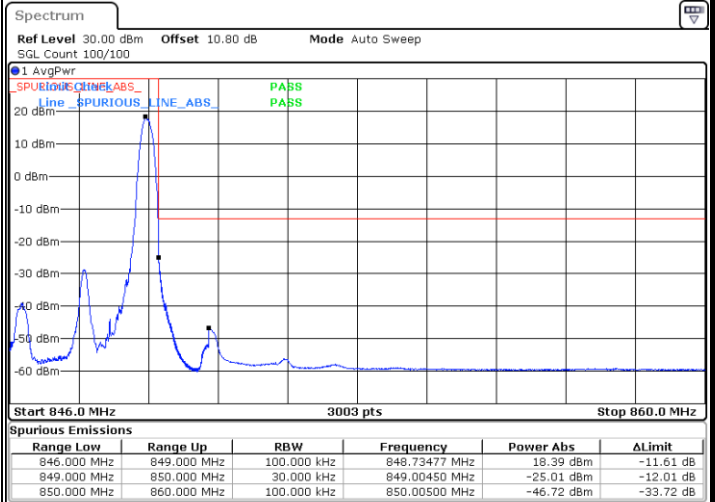
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



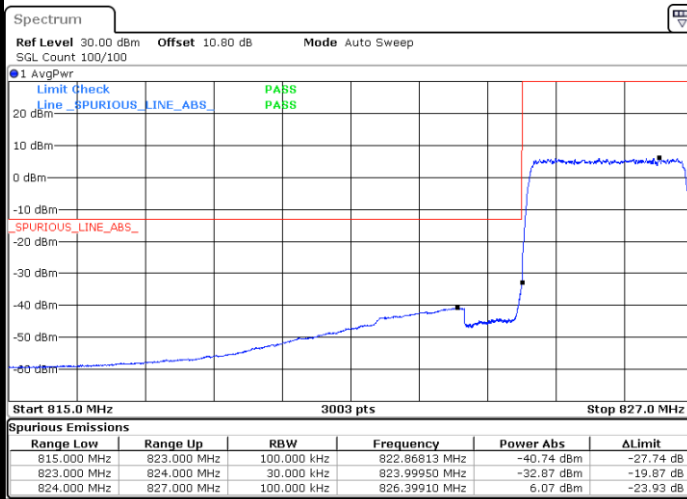
Date: 16 DEC 2019 16:20:39

Highest Band Edge / 1 RB



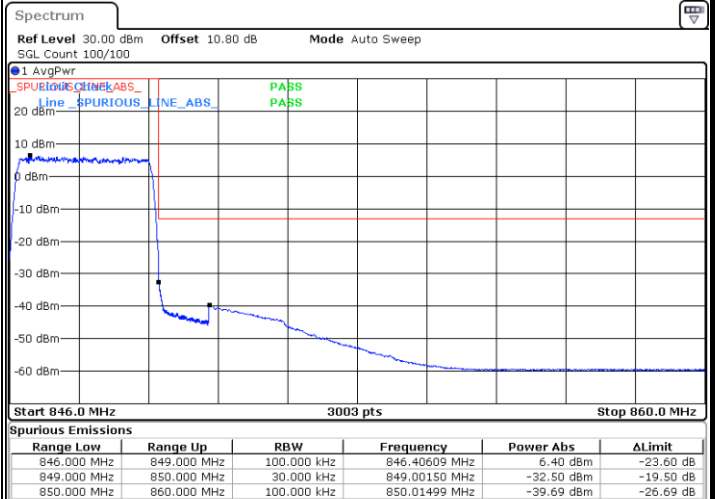
Date: 16 DEC 2019 16:26:09

Lowest Band Edge / Full RB



Date: 16 DEC 2019 16:22:20

Highest Band Edge / Full RB

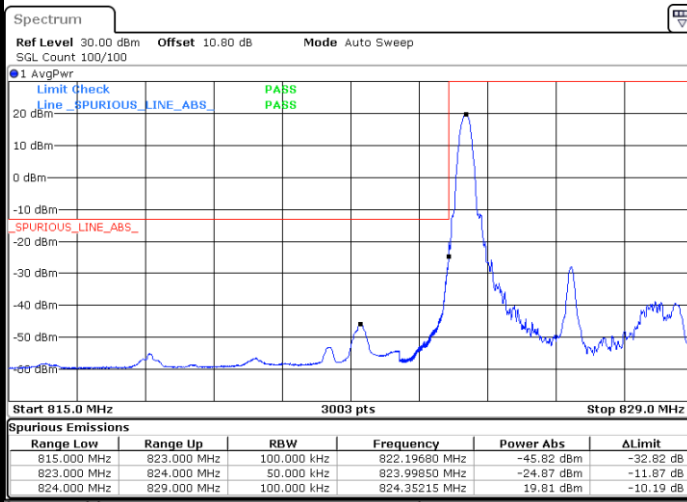


Date: 16 DEC 2019 16:27:50



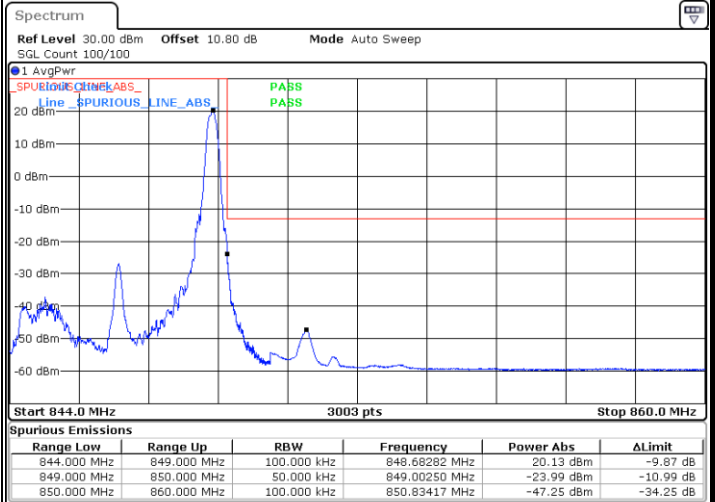
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



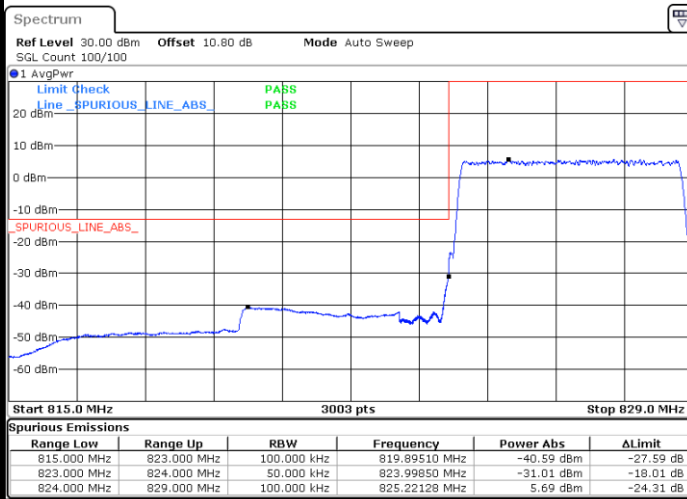
Date: 16 DEC 2019 16:31:01

Highest Band Edge / 1 RB



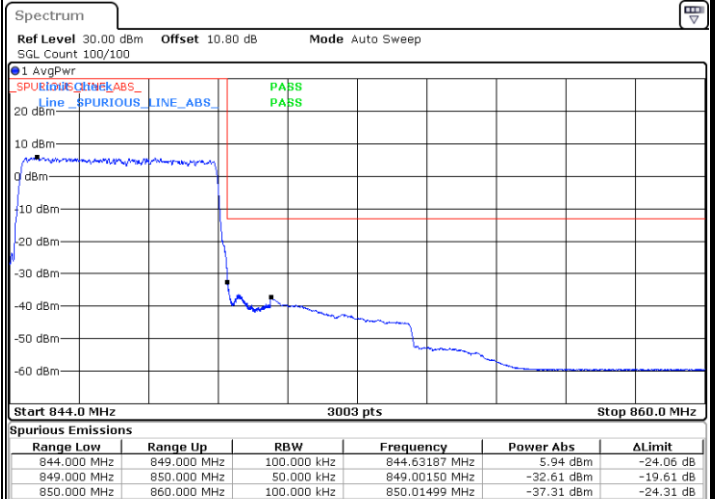
Date: 16 DEC 2019 16:42:02

Lowest Band Edge / Full RB



Date: 16 DEC 2019 16:34:22

Highest Band Edge / Full RB

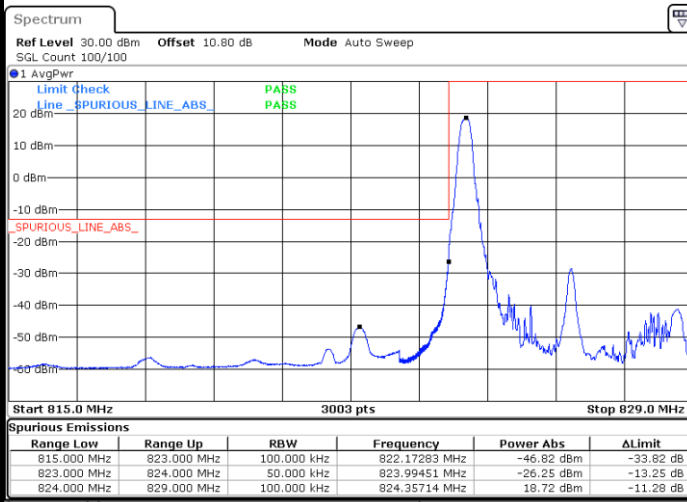


Date: 16 DEC 2019 16:45:23



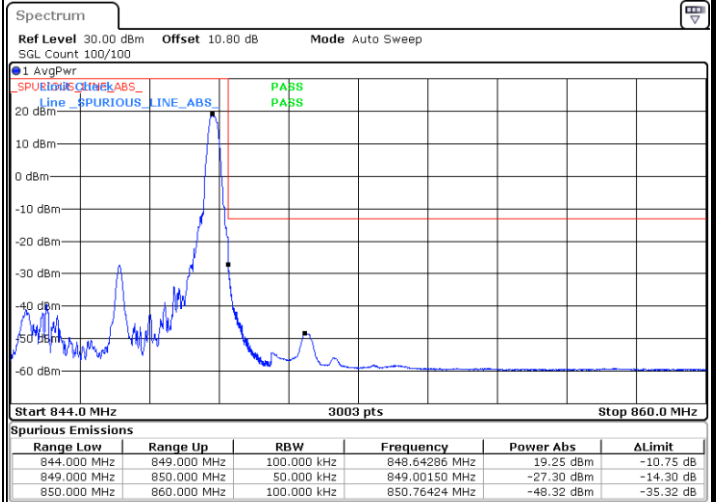
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



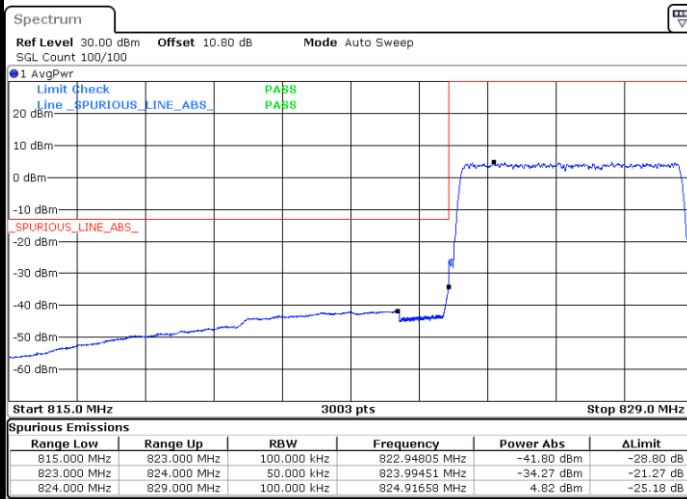
Date: 16 DEC 2019 16:32:42

Highest Band Edge / 1 RB



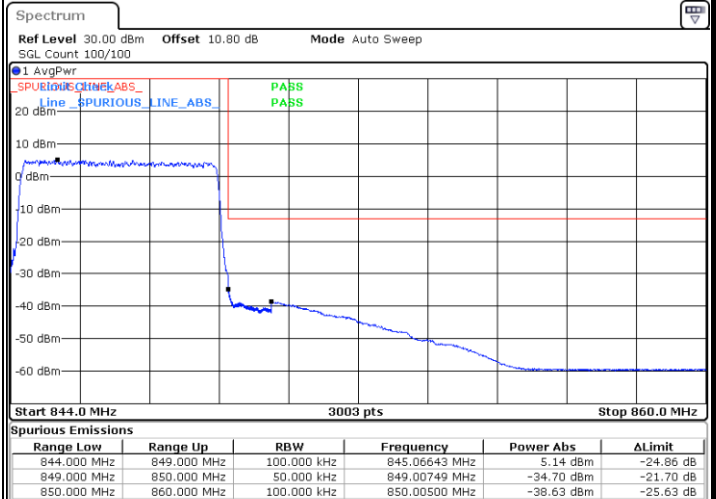
Date: 16 DEC 2019 16:43:43

Lowest Band Edge / Full RB



Date: 16 DEC 2019 16:36:03

Highest Band Edge / Full RB

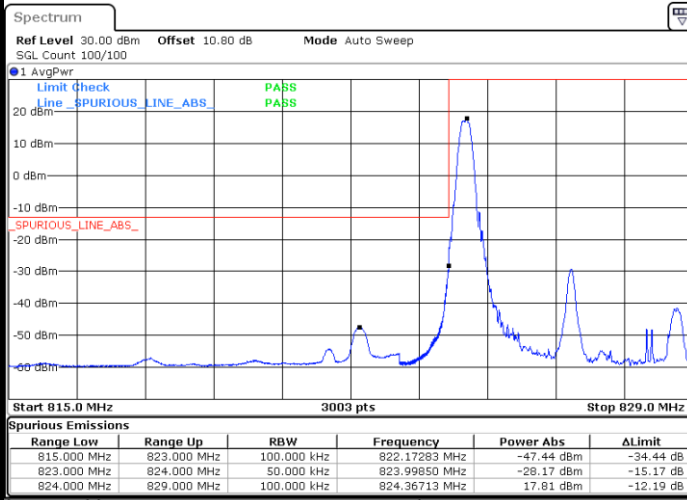


Date: 16 DEC 2019 16:47:04



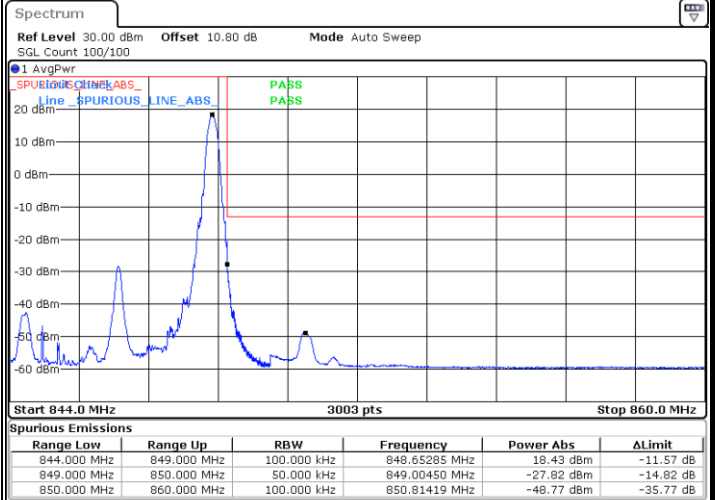
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



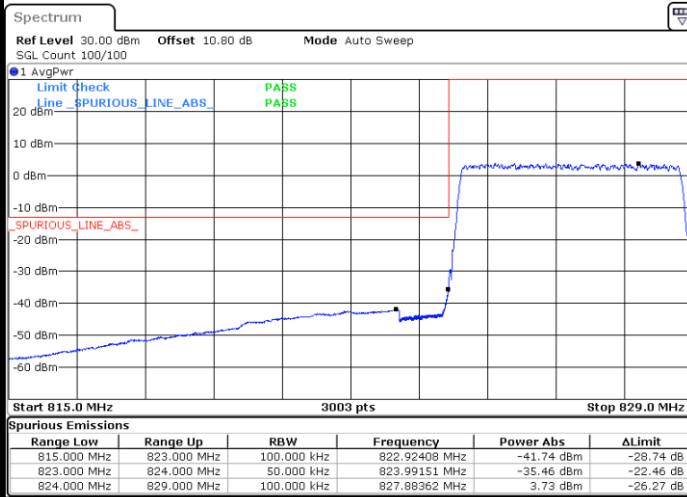
Date: 16 DEC 2019 16:50:31

Highest Band Edge / 1 RB



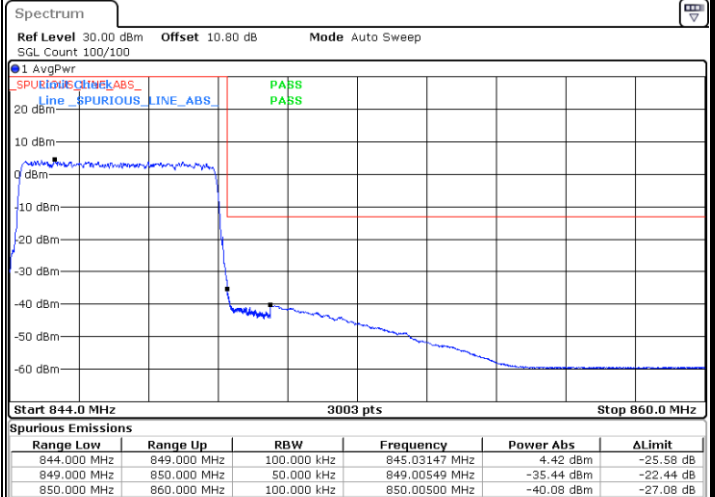
Date: 16 DEC 2019 16:56:01

Lowest Band Edge / Full RB



Date: 16 DEC 2019 16:52:12

Highest Band Edge / Full RB

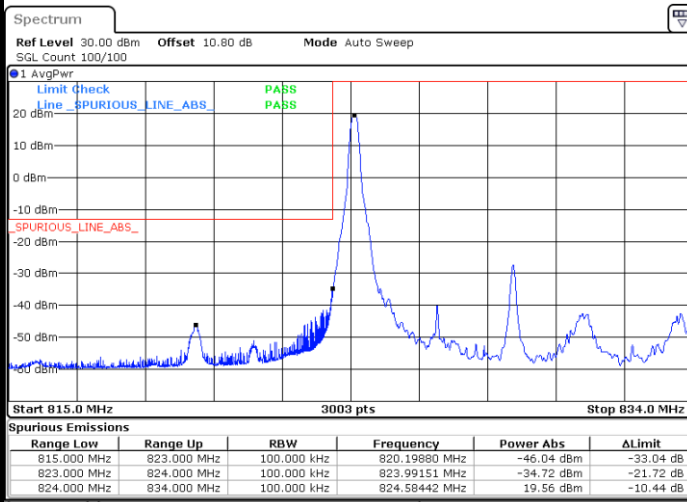


Date: 16 DEC 2019 16:57:42



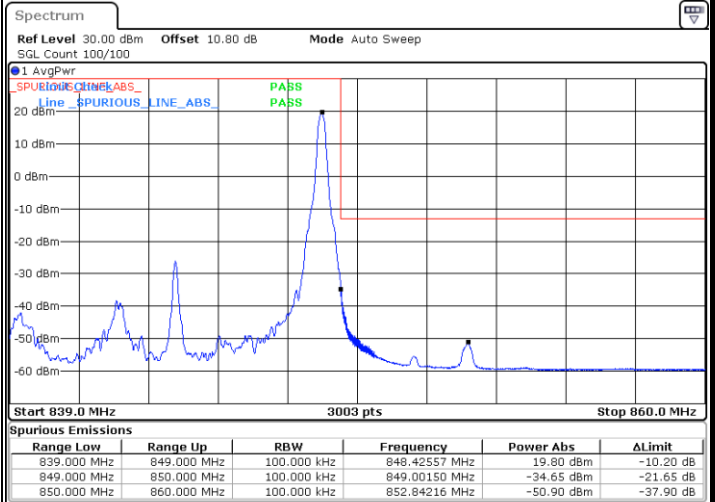
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



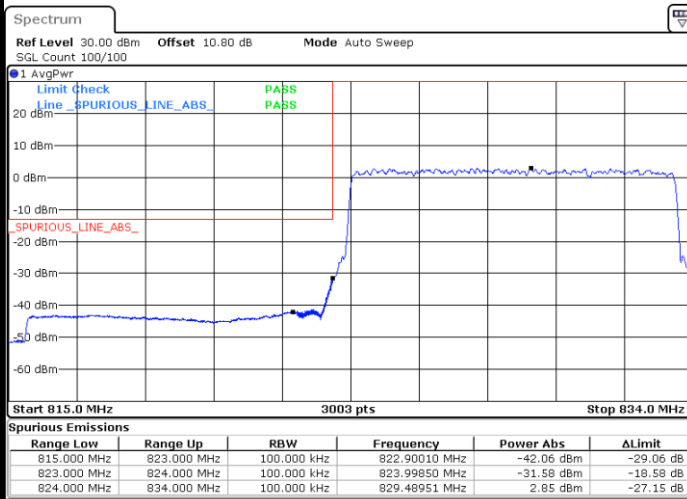
Date: 16 DEC 2019 17:00:12

Highest Band Edge / 1 RB



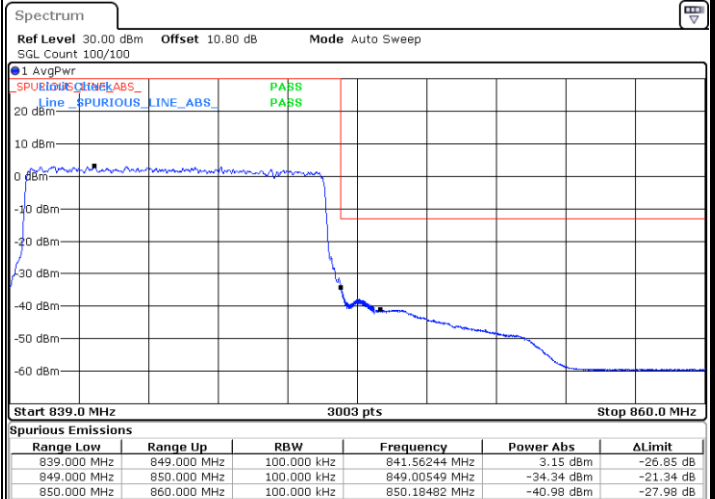
Date: 16 DEC 2019 17:11:12

Lowest Band Edge / Full RB



Date: 16 DEC 2019 17:03:33

Highest Band Edge / Full RB

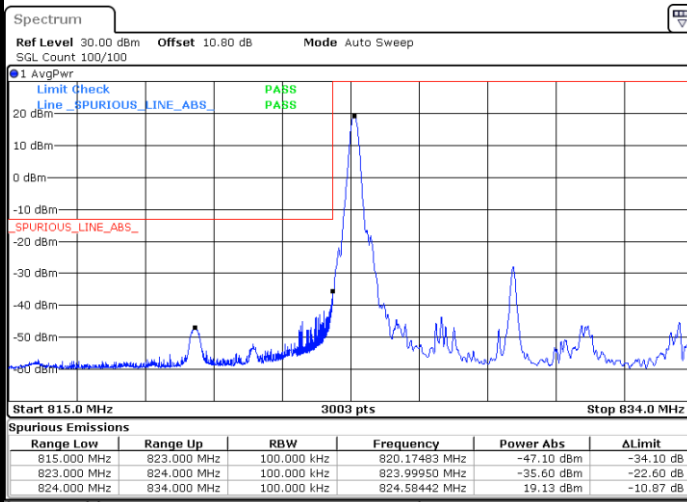


Date: 16 DEC 2019 17:14:33



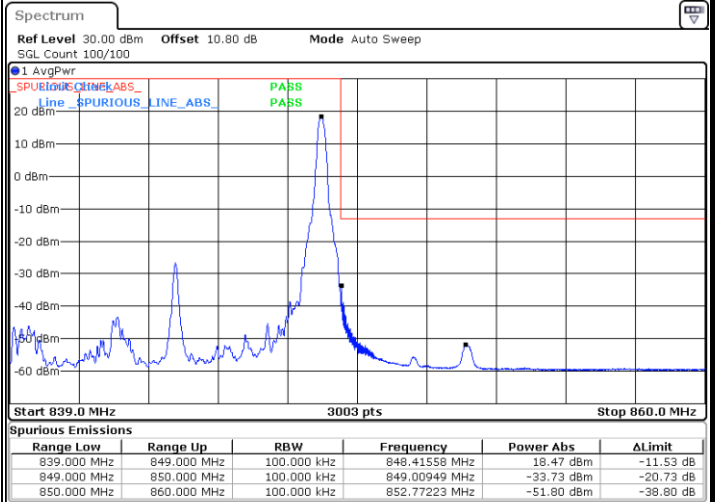
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



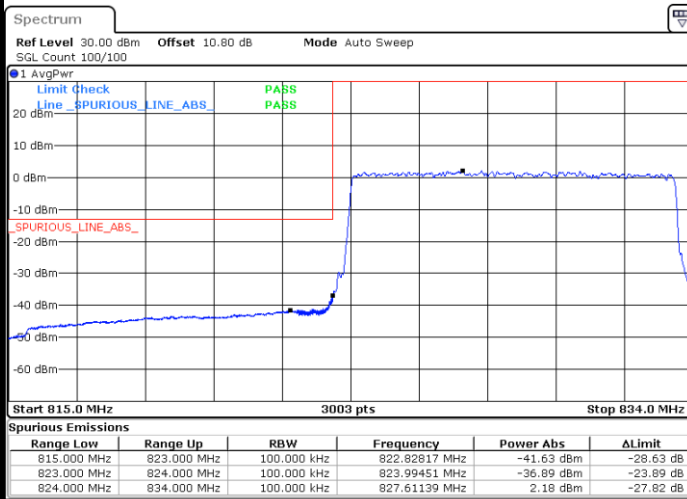
Date: 16 DEC 2019 17:01:52

Highest Band Edge / 1 RB



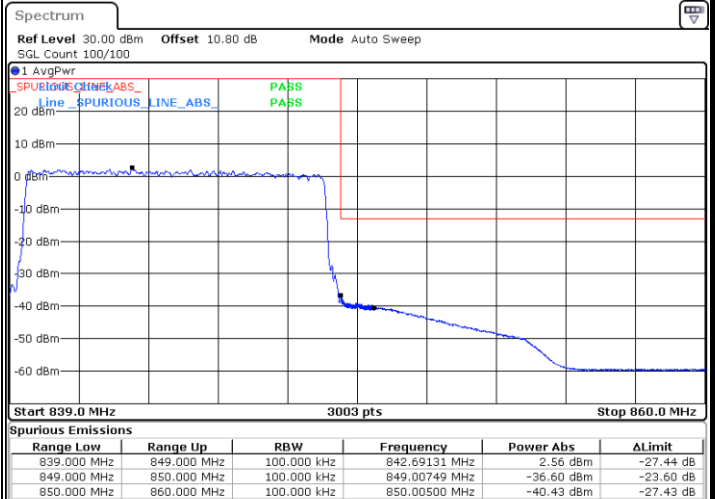
Date: 16 DEC 2019 17:12:52

Lowest Band Edge / Full RB



Date: 16 DEC 2019 17:05:13

Highest Band Edge / Full RB

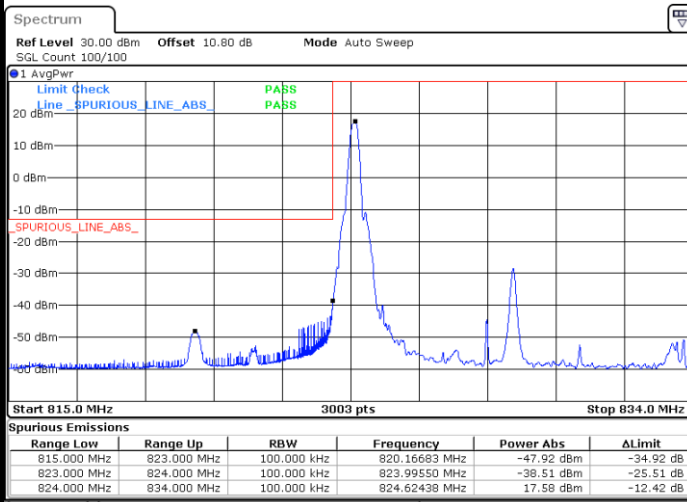


Date: 16 DEC 2019 17:16:14



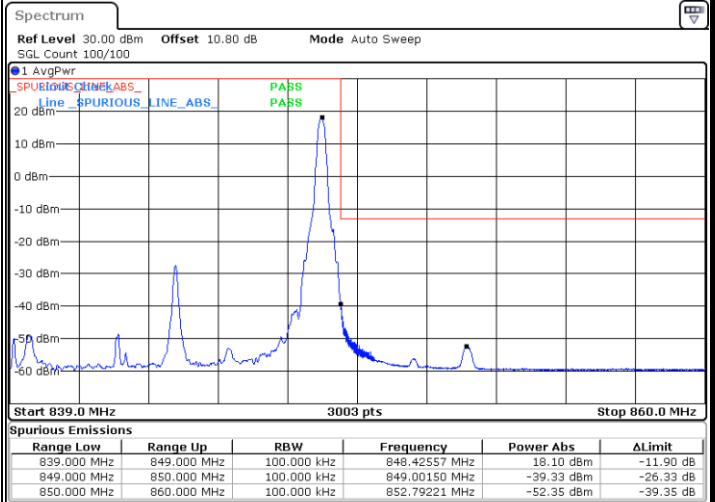
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



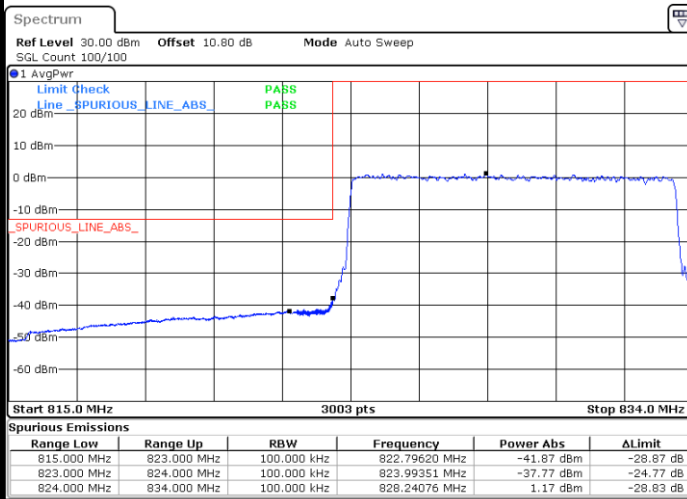
Date: 16 DEC 2019 17:20:22

Highest Band Edge / 1 RB



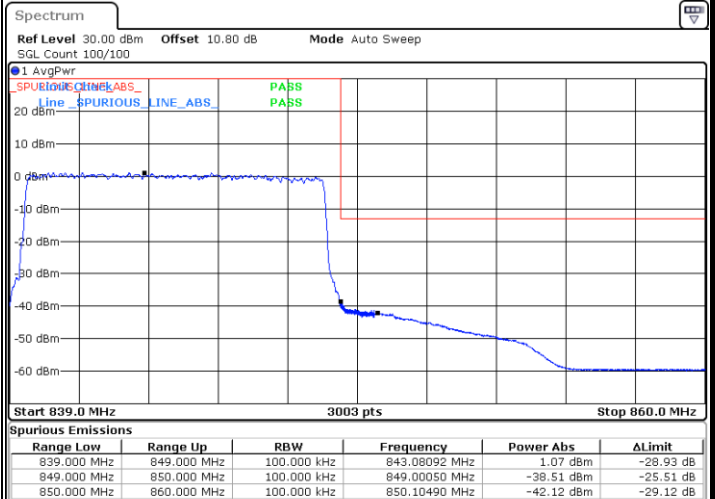
Date: 16 DEC 2019 17:25:52

Lowest Band Edge / Full RB



Date: 16 DEC 2019 17:22:03

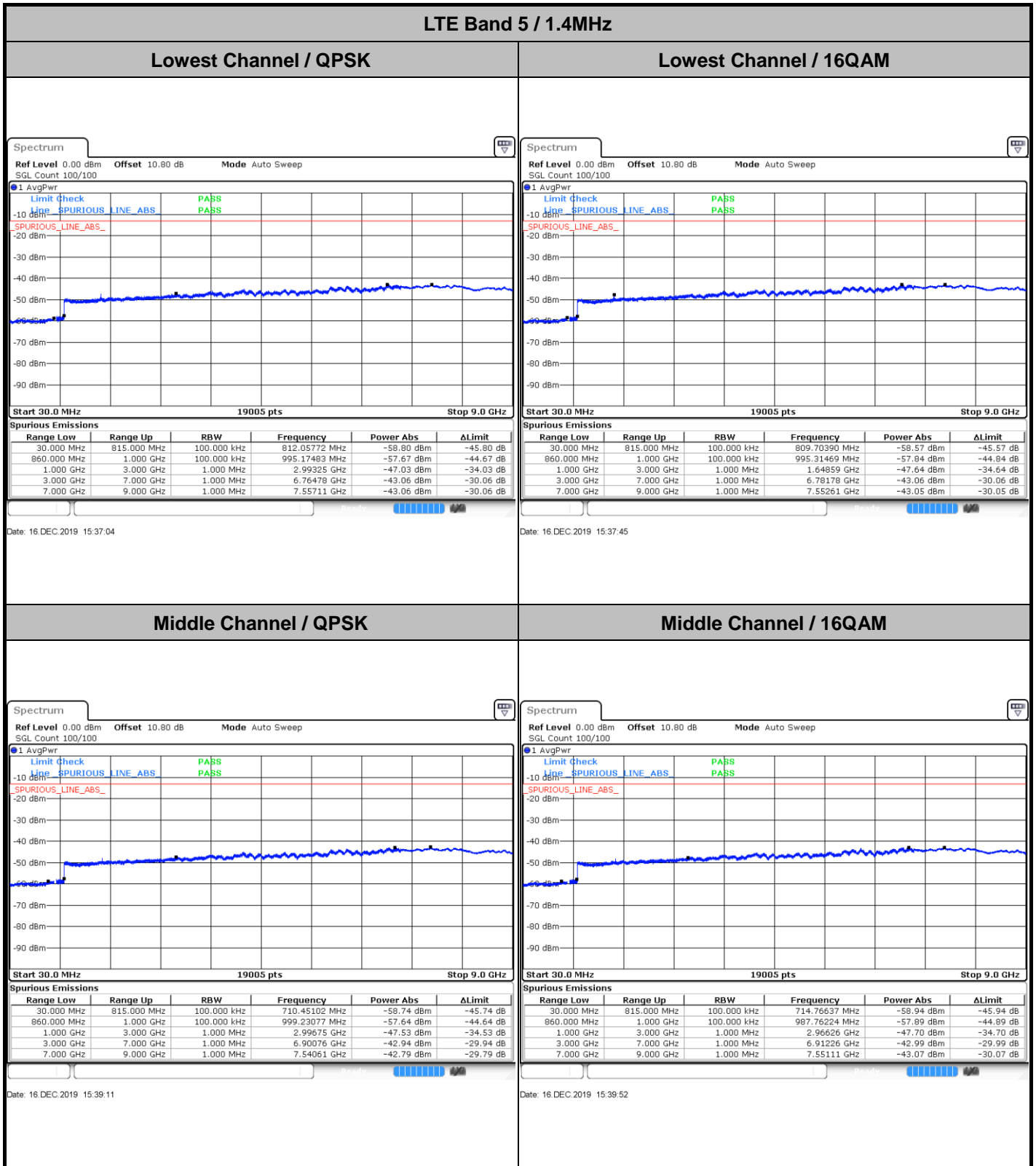
Highest Band Edge / Full RB



Date: 16 DEC 2019 17:27:33



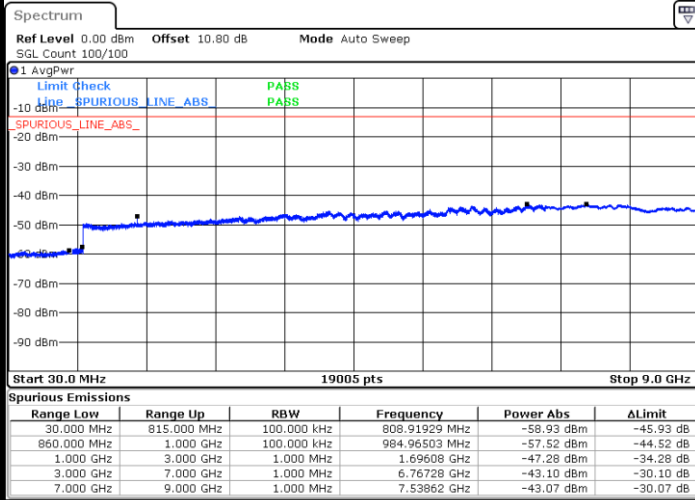
Conducted Spurious Emission





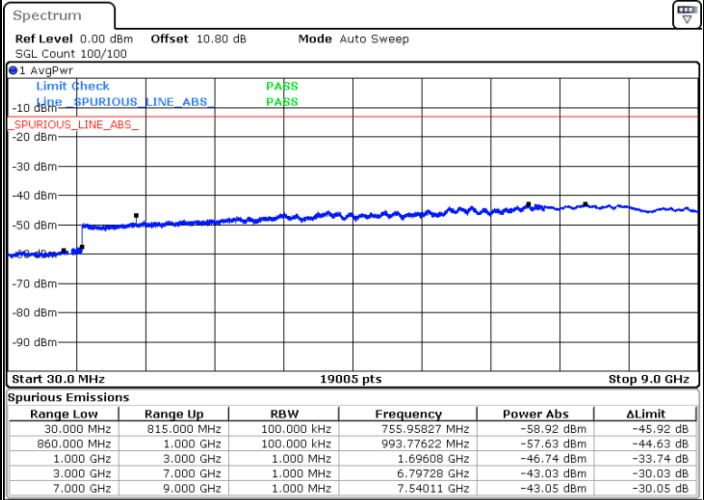
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 16.DEC.2019 15:48:03

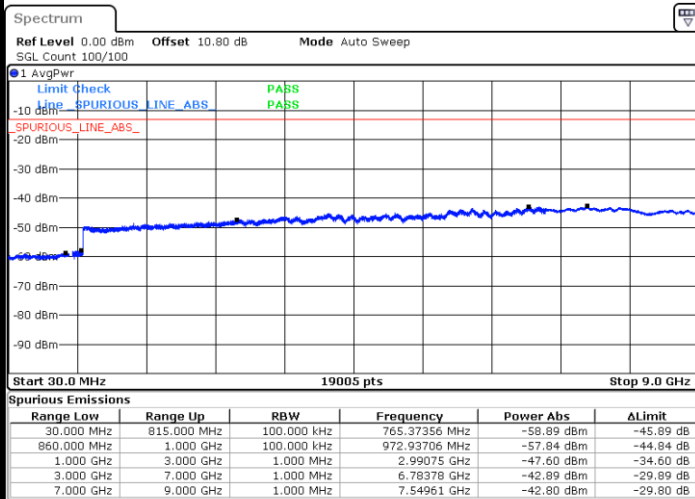
Highest Channel / 16QAM



Date: 16.DEC.2019 15:48:44

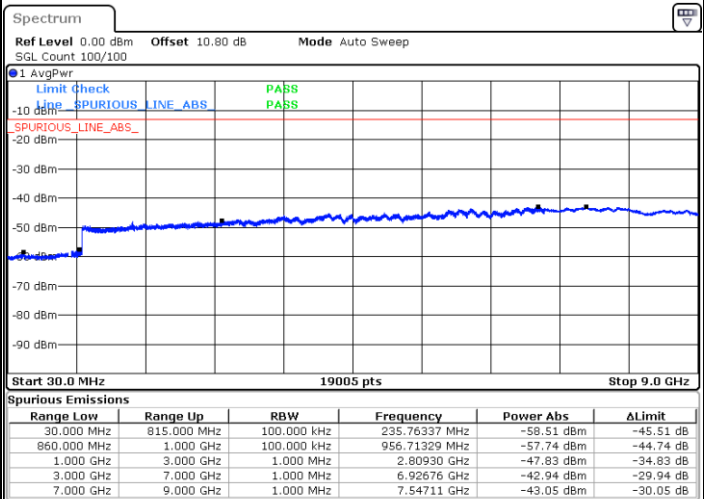
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 16.DEC.2019 16:06:53

Lowest Channel / 16QAM



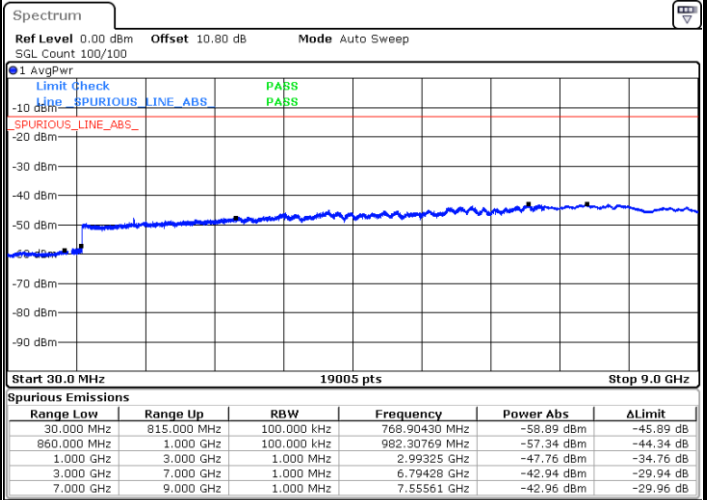
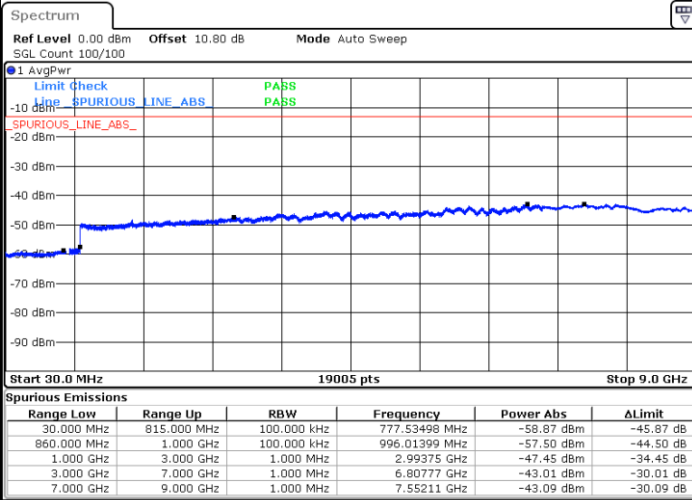
Date: 16.DEC.2019 16:07:34



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

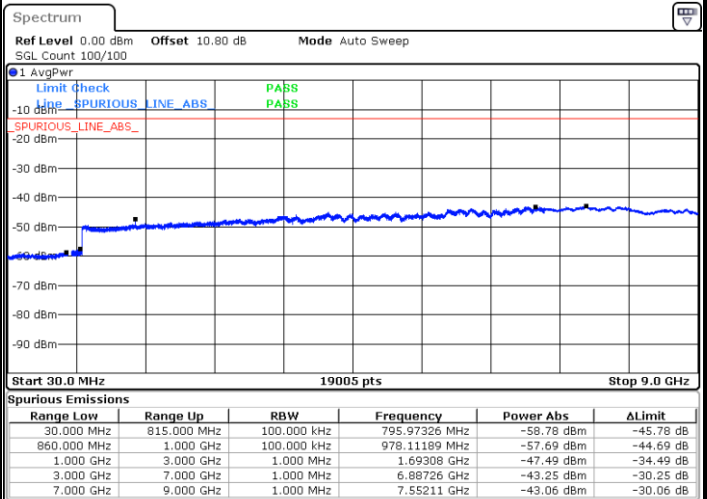
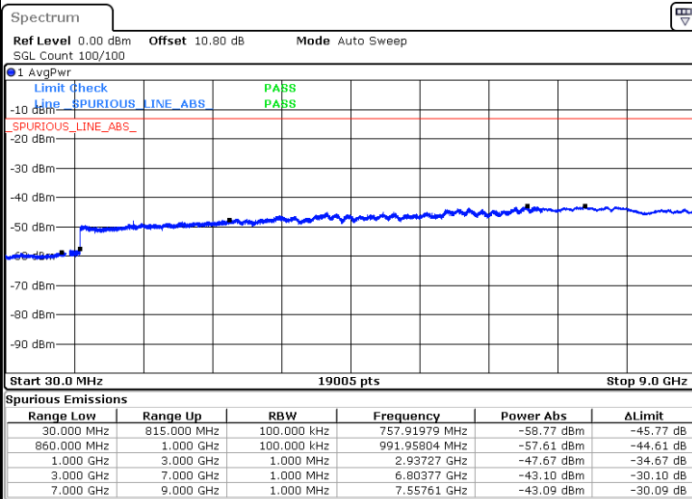


Date: 16.DEC.2019 16:09:02

Date: 16.DEC.2019 16:09:42

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16.DEC.2019 16:17:54

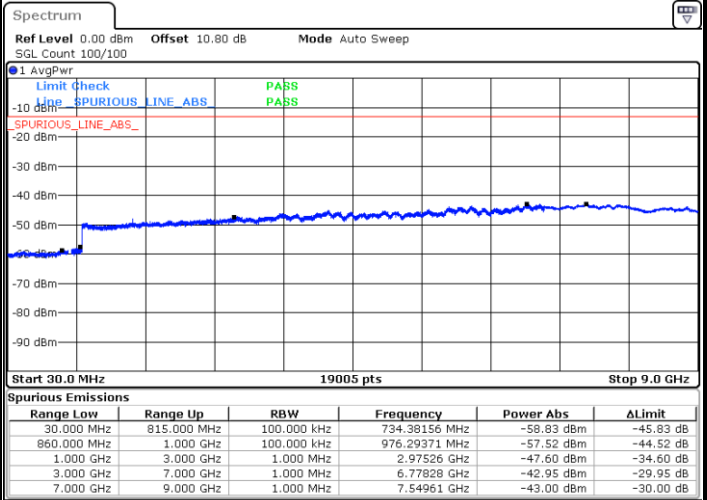
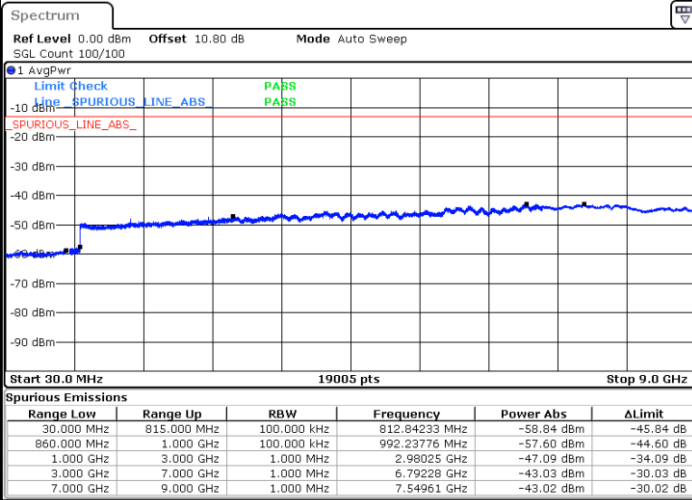
Date: 16.DEC.2019 16:18:35



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

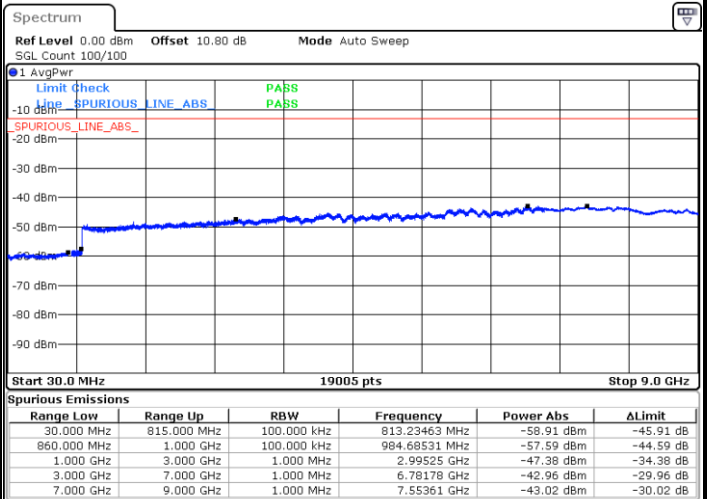
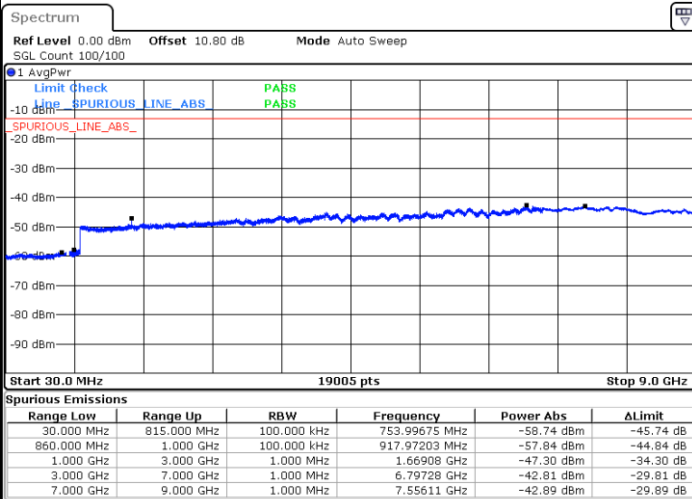


Date: 16.DEC.2019 16:36:45

Date: 16.DEC.2019 16:37:26

Middle Channel / QPSK

Middle Channel / 16QAM



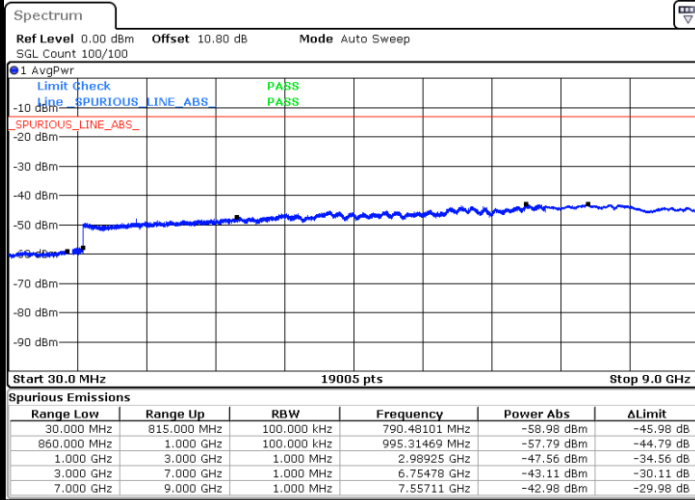
Date: 16.DEC.2019 16:38:53

Date: 16.DEC.2019 16:39:33



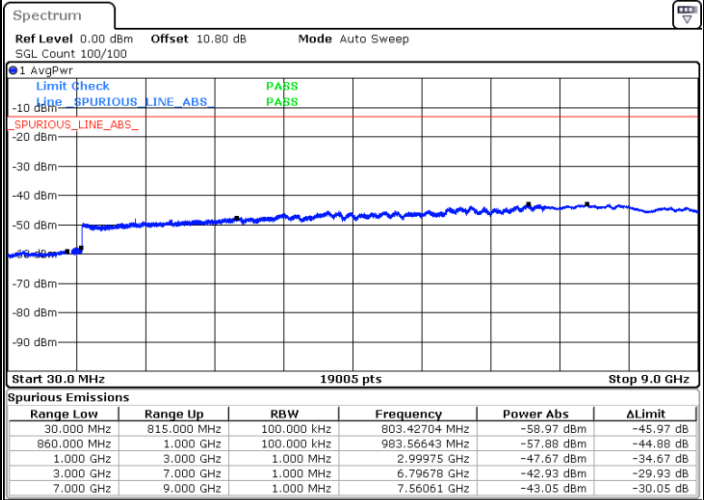
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 16.DEC.2019 16:47:45

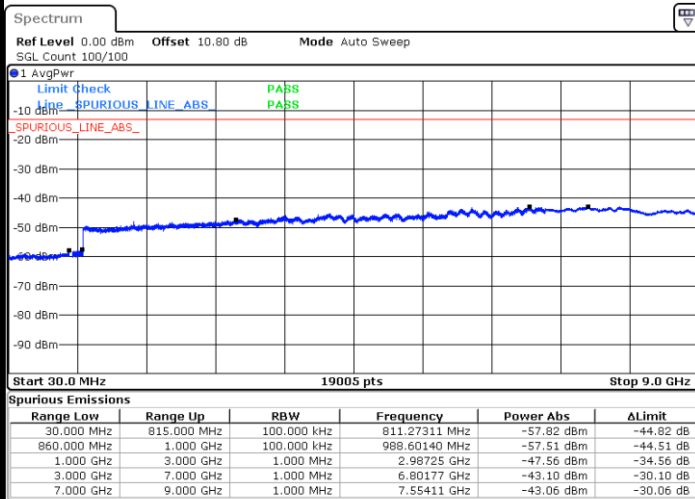
Highest Channel / 16QAM



Date: 16.DEC.2019 16:48:26

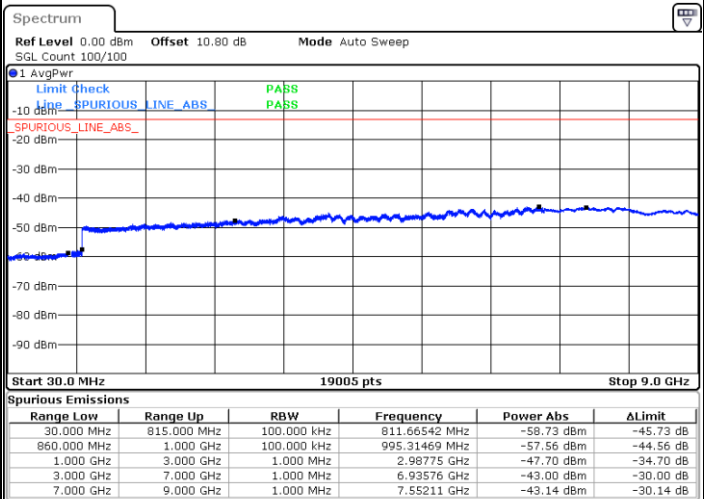
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 16.DEC.2019 17:05:55

Lowest Channel / 16QAM



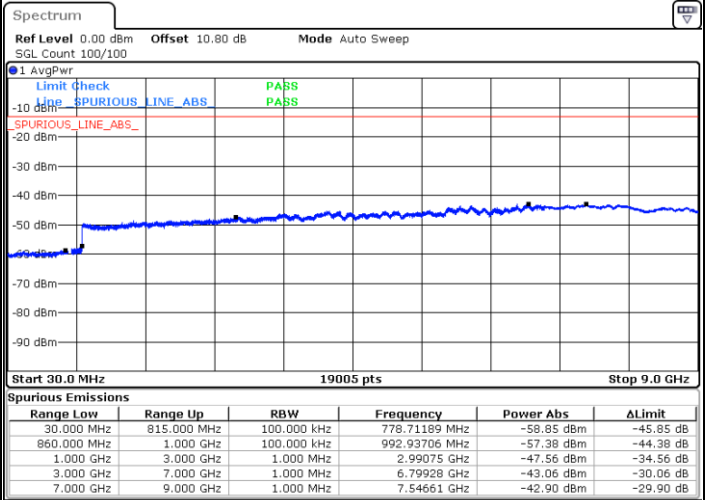
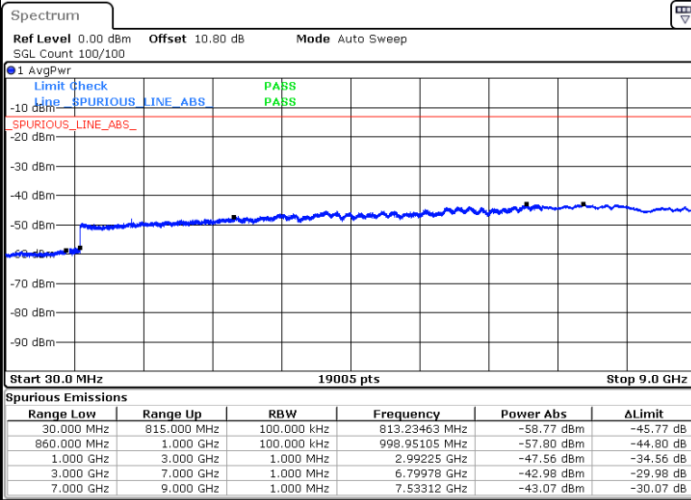
Date: 16.DEC.2019 17:06:36



LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

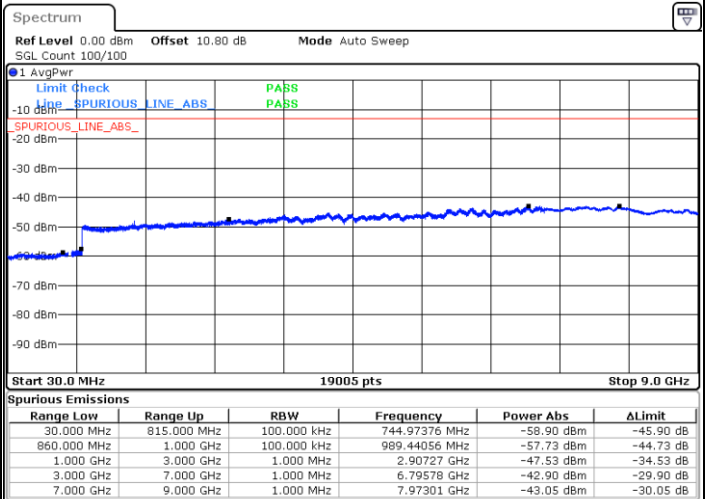
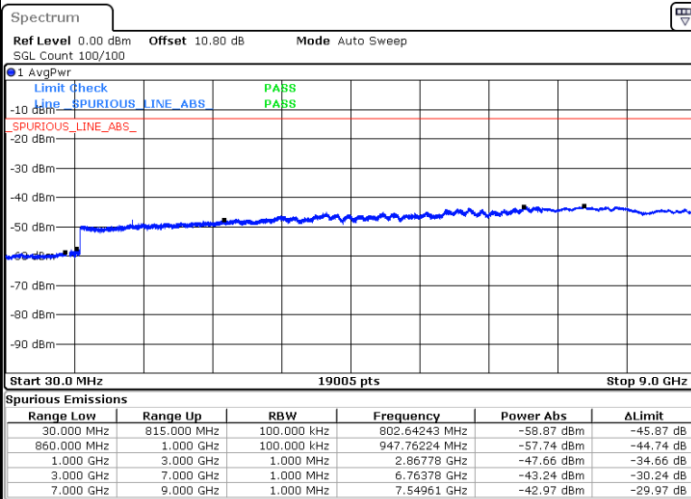


Date: 16.DEC.2019 17:08:03

Date: 16.DEC.2019 17:08:43

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16.DEC.2019 17:16:55

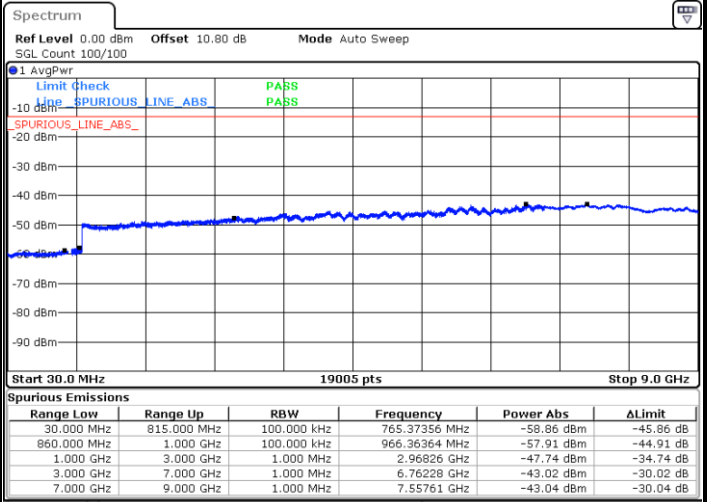
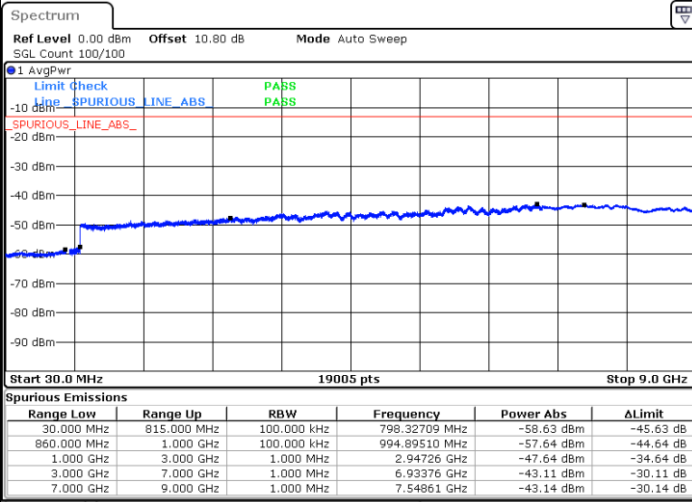
Date: 16.DEC.2019 17:17:36



LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

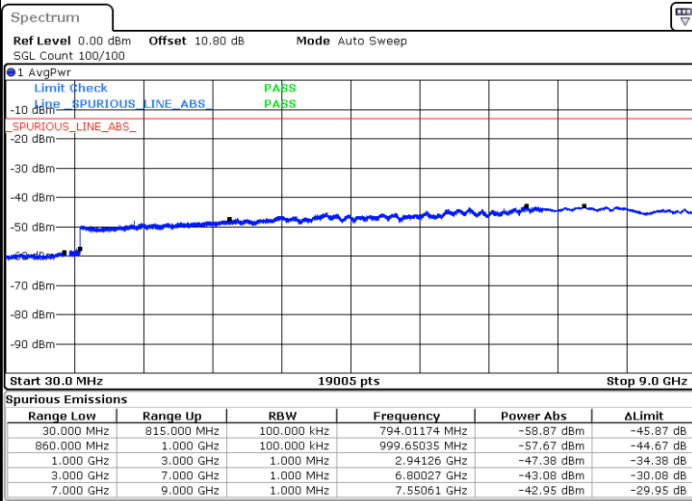
Middle Channel / 64QAM



Date: 16.DEC.2019 15:53:10

Date: 16.DEC.2019 15:54:14

Highest Channel / 64QAM



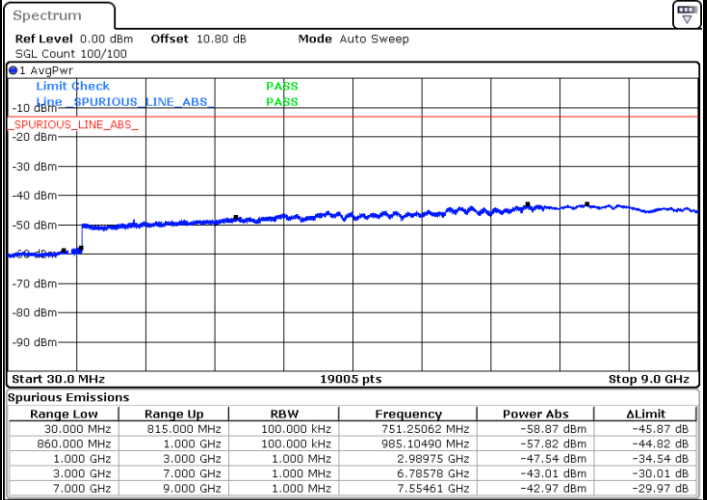
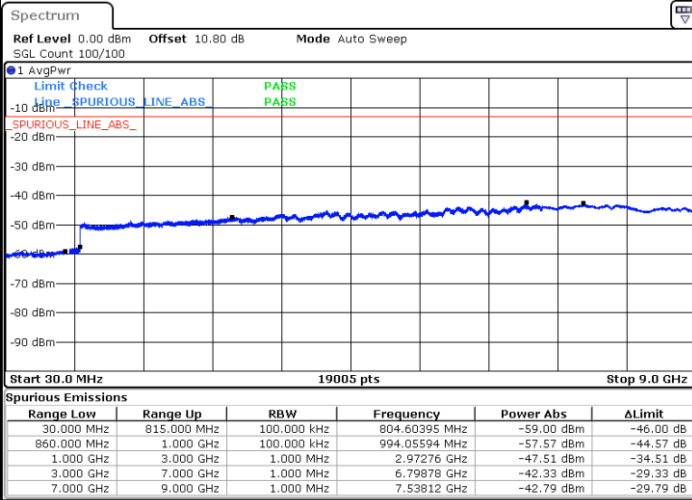
Date: 16.DEC.2019 15:58:40



LTE Band 5 / 3MHz

Lowest Channel / 64QAM

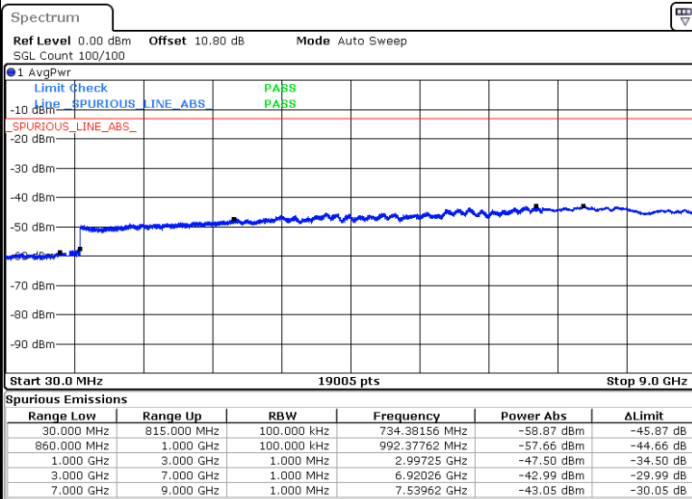
Middle Channel / 64QAM



Date: 16.DEC.2019 16:23:01

Date: 16.DEC.2019 16:24:05

Highest Channel / 64QAM



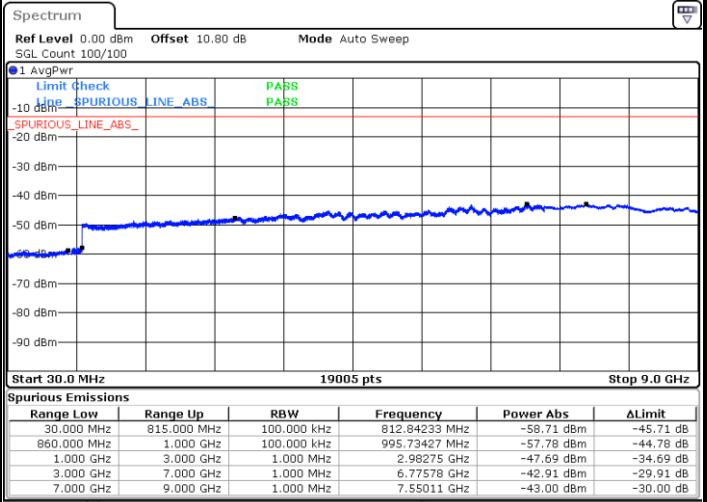
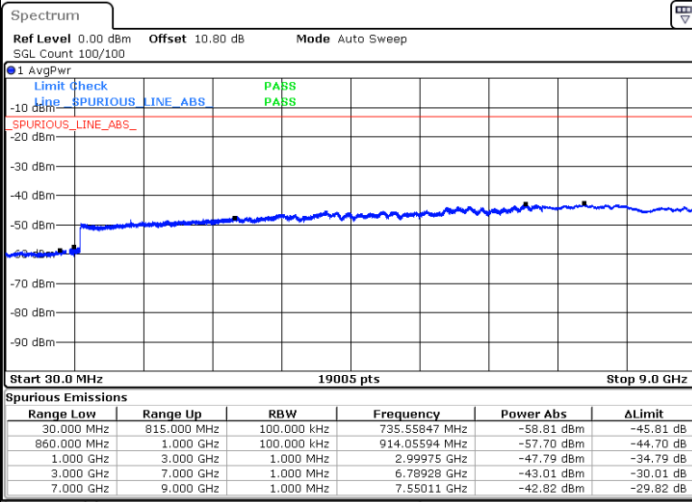
Date: 16.DEC.2019 16:28:31



LTE Band 5 / 5MHz

Lowest Channel / 64QAM

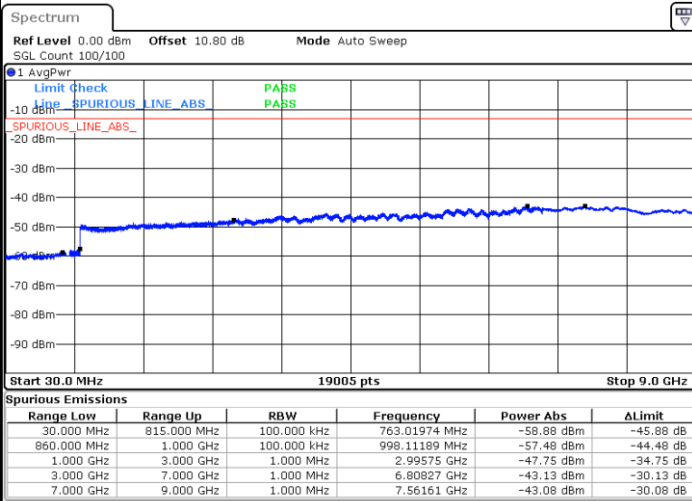
Middle Channel / 64QAM



Date: 16.DEC.2019 16:52:54

Date: 16.DEC.2019 16:53:57

Highest Channel / 64QAM



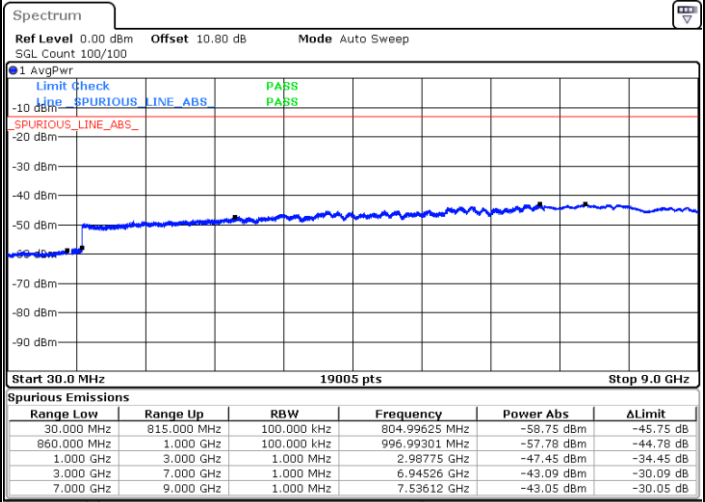
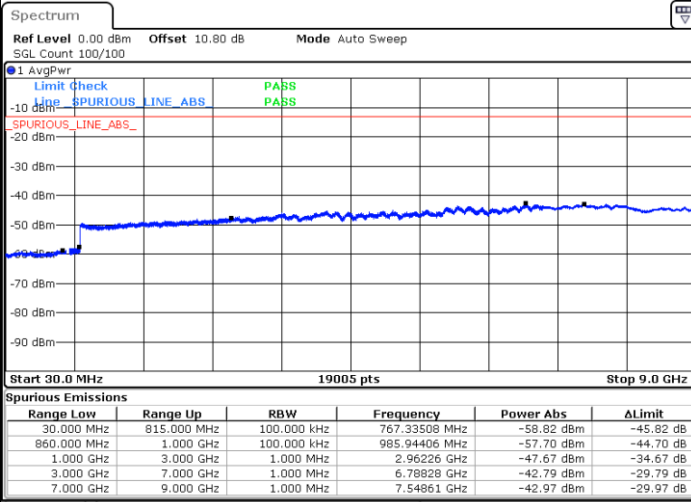
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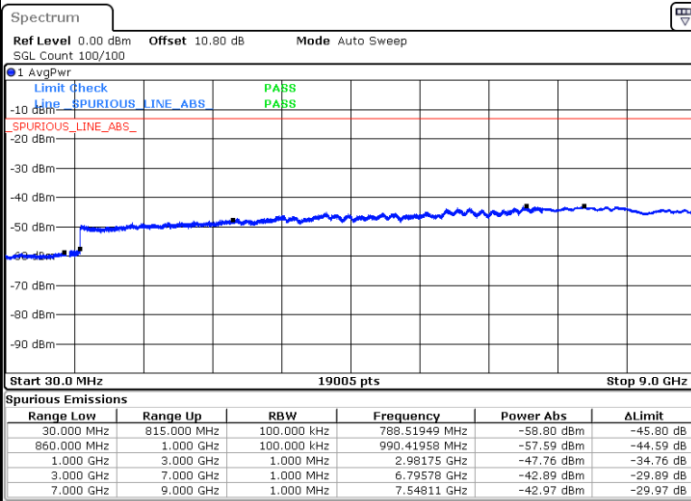
LTE Band 5 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



Highest Channel / 64QAM





Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0056	PASS
40	Normal Voltage	0.0068	
30	Normal Voltage	0.0030	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0051	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0059	
-30	Normal Voltage	0.0060	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0036	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

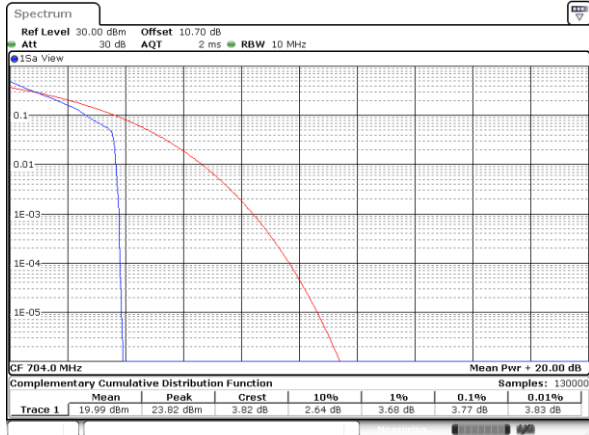
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.77	4.72	5.36	6.06	PASS
Middle CH	3.83	4.72	5.57	6.06	
Highest CH	3.71	4.78	5.68	6.12	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	7.25	6.61	-	-	PASS
Middle CH	6.99	6.52	-	-	
Highest CH	6.38	6.64	-	-	



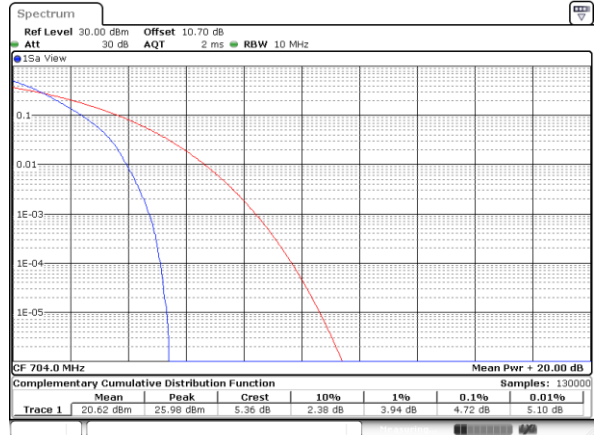
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



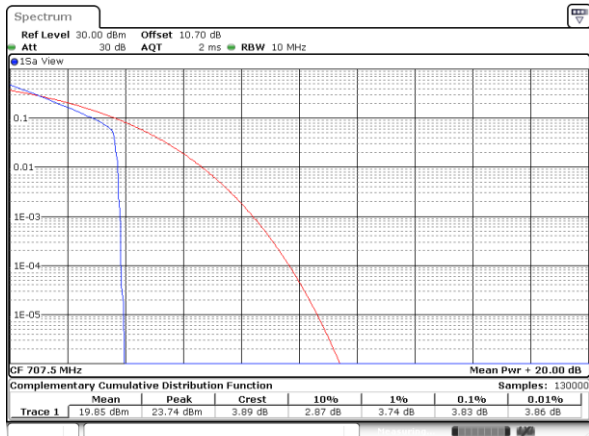
Date: 16 DEC 2019 13:47:42

Lowest Channel / Full RB



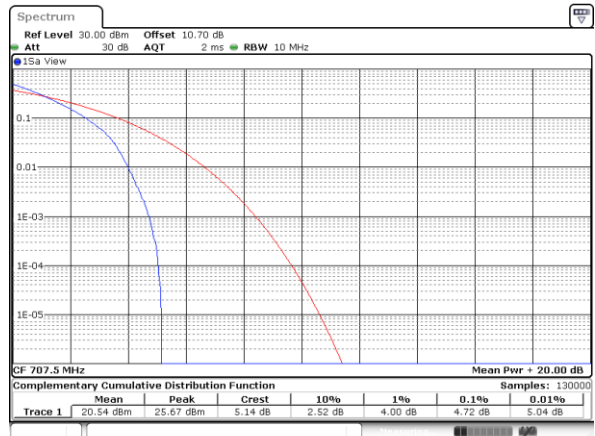
Date: 16 DEC 2019 13:48:58

Middle Channel / 1RB



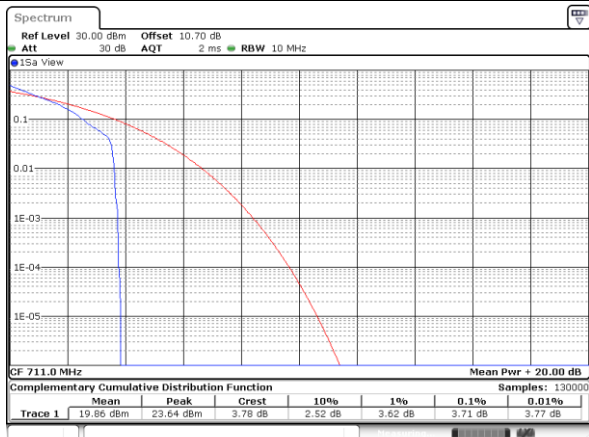
Date: 16 DEC 2019 13:48:01

Middle Channel / Full RB



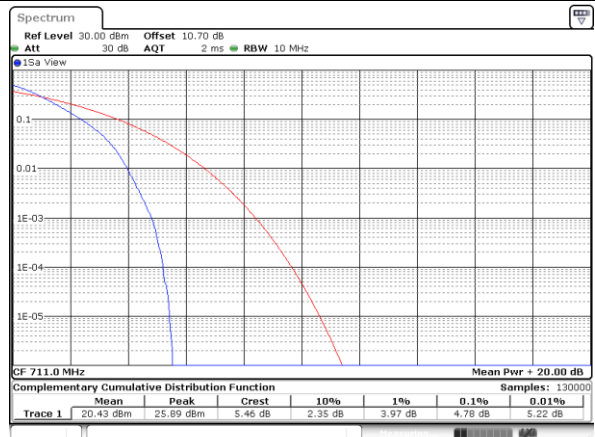
Date: 16 DEC 2019 13:48:11

Highest Channel / 1RB



Date: 16 DEC 2019 13:48:38

Highest Channel / Full RB

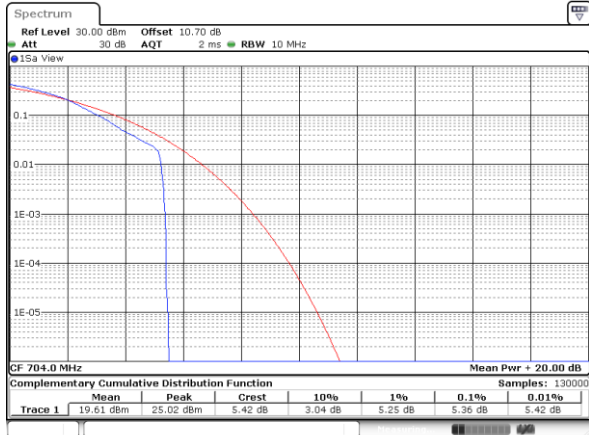


Date: 16 DEC 2019 13:48:26



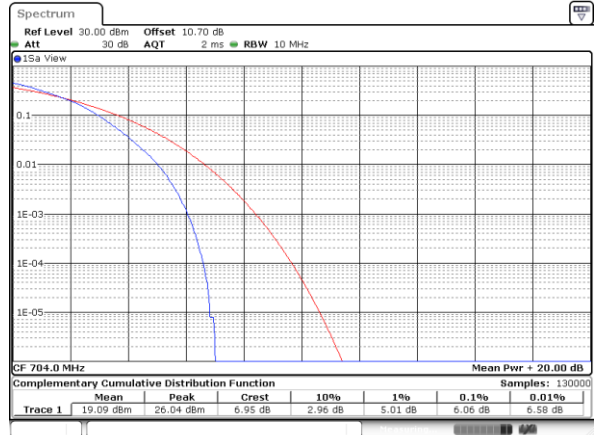
LTE Band 12 / 10MHz / 16QAM

Lowest Channel / 1RB



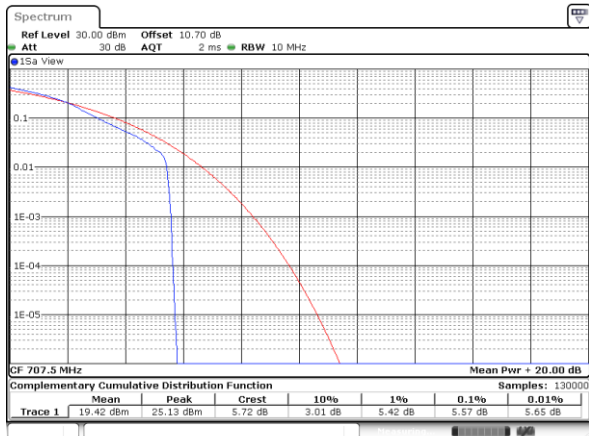
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Lowest Channel / Full RB



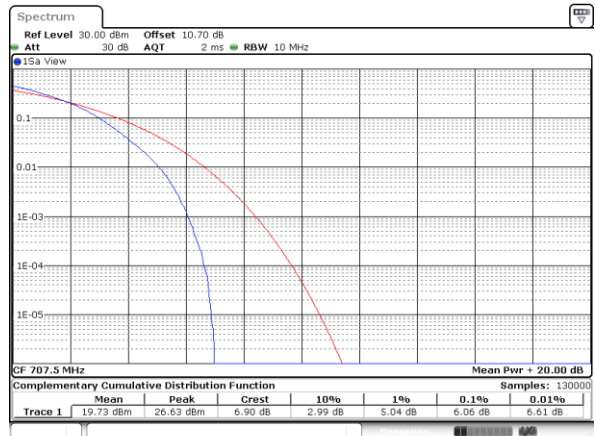
Date: 17 DEC 2019 18:58:38

Middle Channel / 1RB



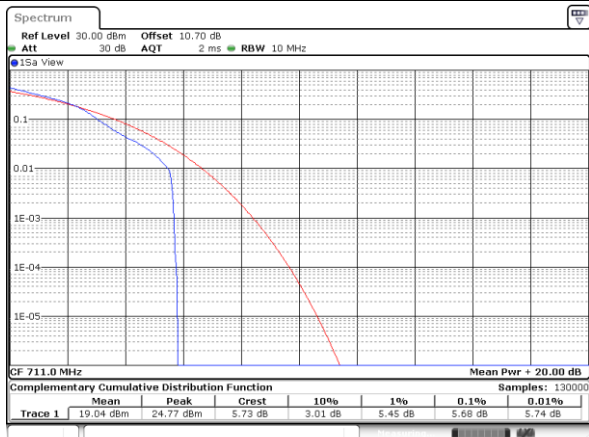
Date: 16 DEC 2019 13:46:16

Middle Channel / Full RB



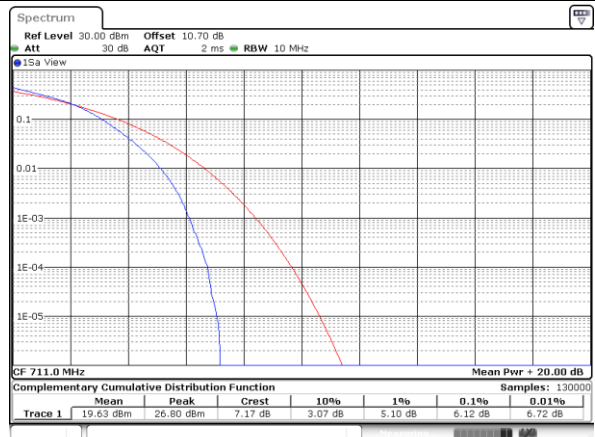
Date: 16 DEC 2019 13:46:28

Highest Channel / 1RB



Date: 16 DEC 2019 13:46:48

Highest Channel / Full RB



Date: 16 DEC 2019 13:46:37