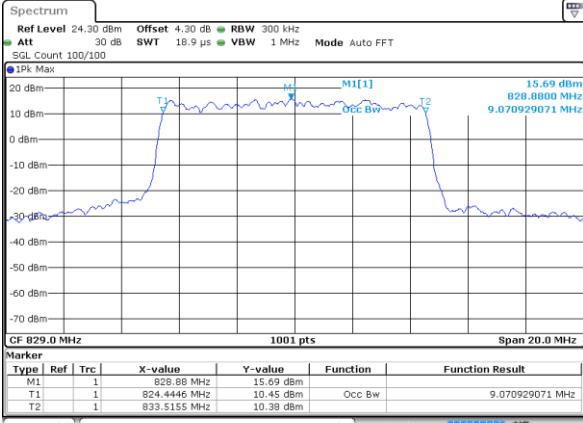




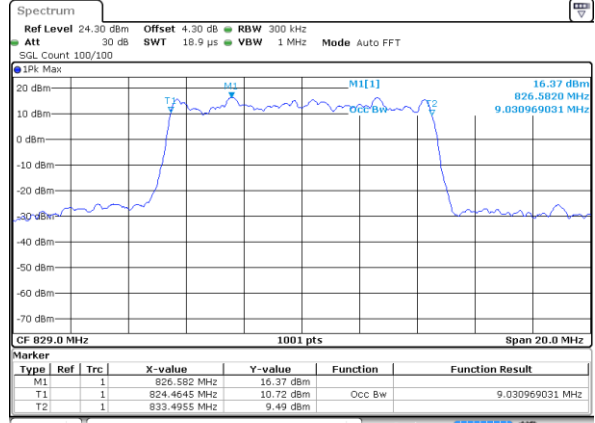
LTE Band 5

Lowest Channel / 10MHz / QPSK



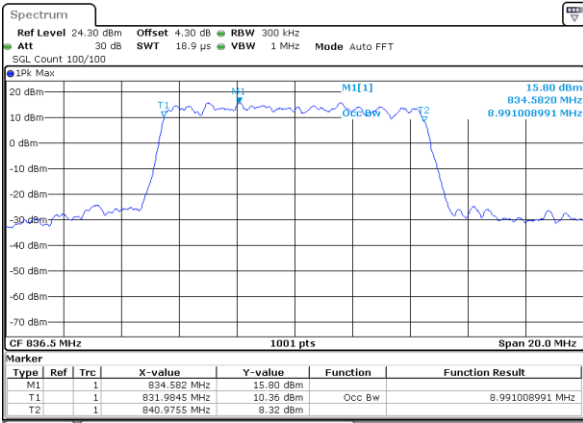
Date: 4 DEC 2019 18:51:09

Lowest Channel / 10MHz / 16QAM



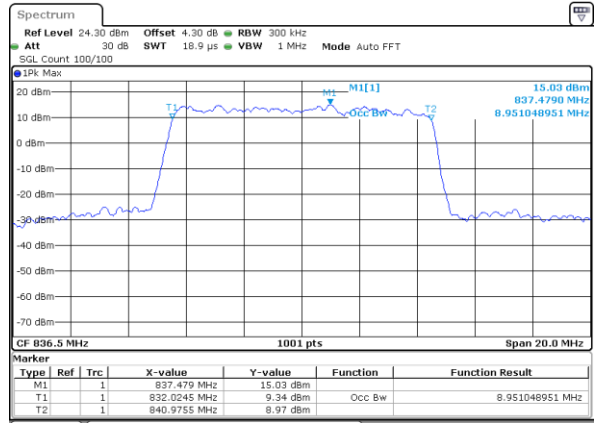
Date: 4 DEC 2019 18:51:19

Middle Channel / 10MHz / QPSK



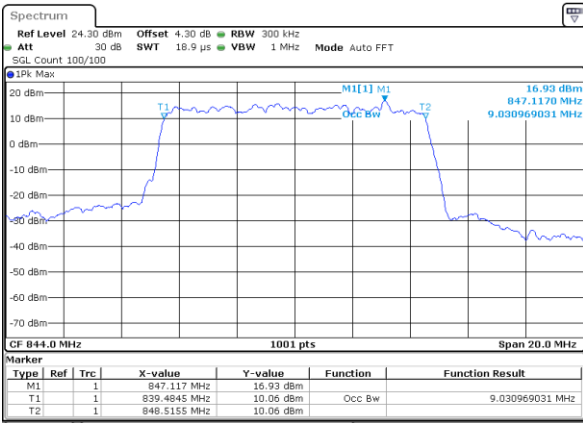
Date: 4 DEC 2019 19:00:09

Middle Channel / 10MHz / 16QAM



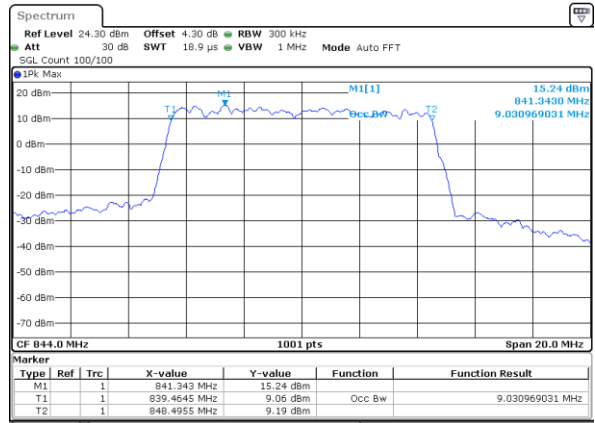
Date: 4 DEC 2019 19:00:19

Highest Channel / 10MHz / QPSK



Date: 4 DEC 2019 19:02:36

Highest Channel / 10MHz / 16QAM

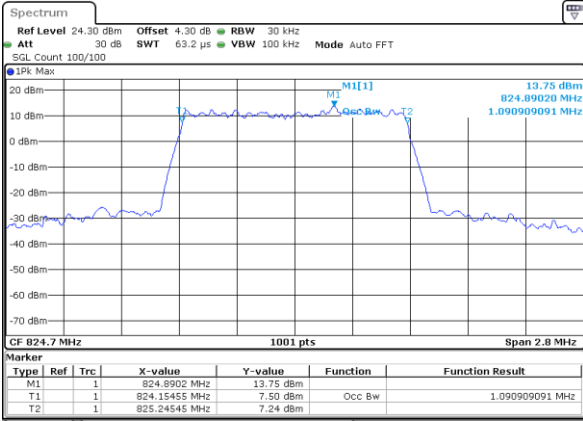


Date: 4 DEC 2019 19:02:46

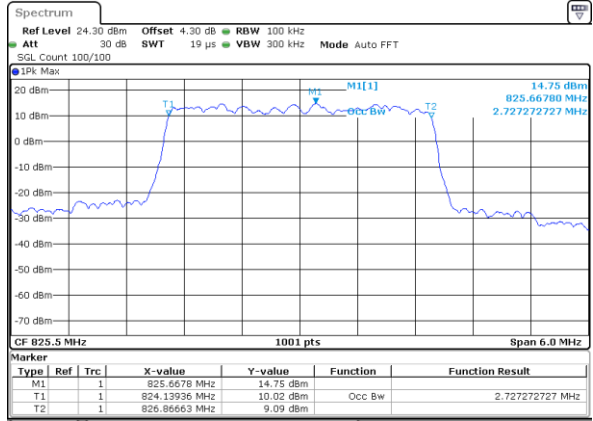


LTE Band 5

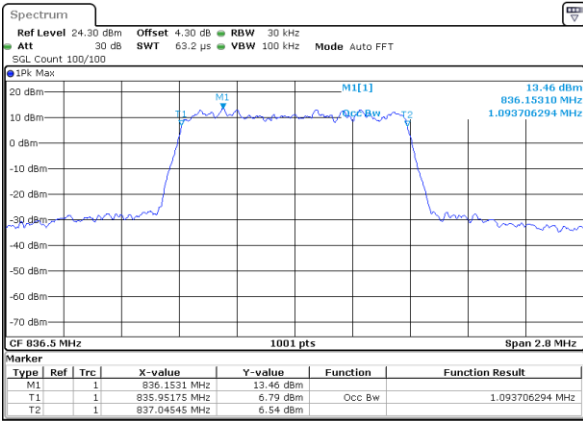
Lowest Channel / 1.4MHz / 64QAM



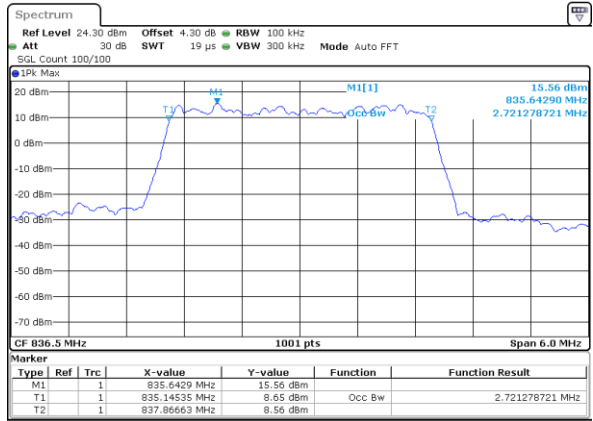
Lowest Channel / 3MHz / 64QAM



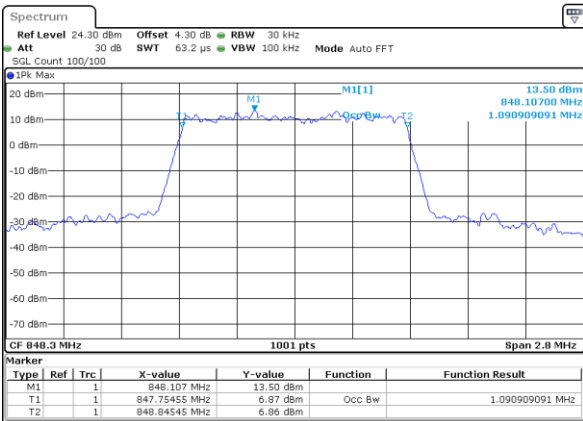
Middle Channel / 1.4MHz / 64QAM



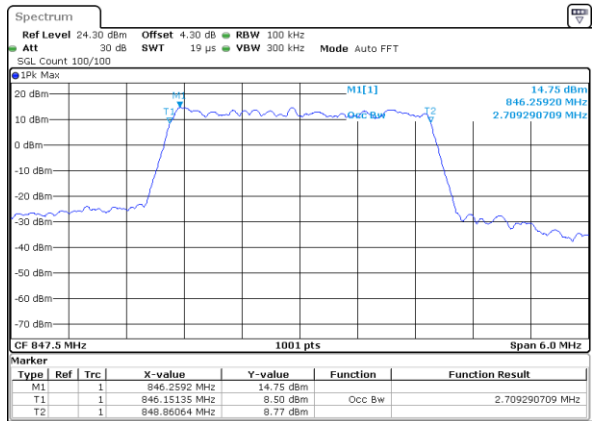
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



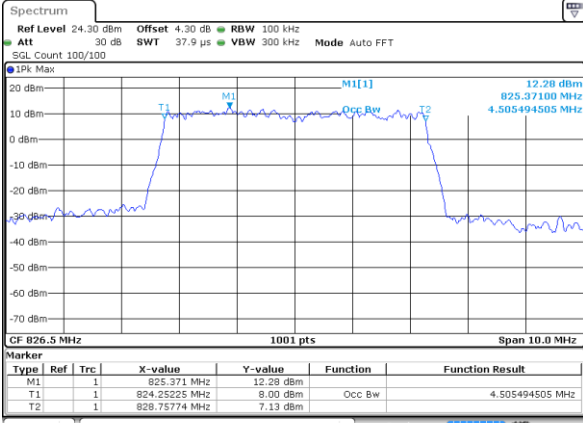
Highest Channel / 3MHz / 64QAM





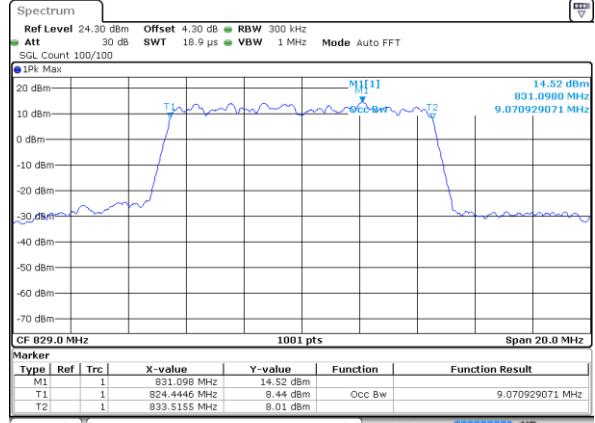
LTE Band 5

Lowest Channel / 5MHz / 64QAM



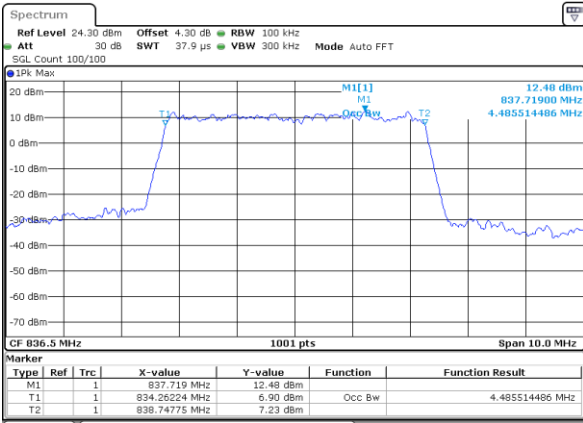
Date: 4 DEC 2019 19:36:12

Lowest Channel / 10MHz / 64QAM



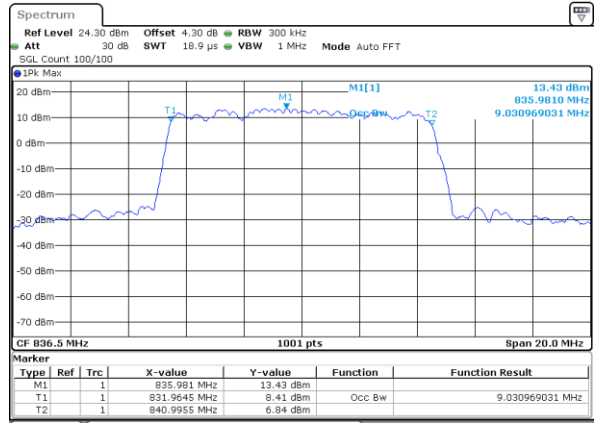
Date: 4 DEC 2019 19:46:26

Middle Channel / 5MHz / 64QAM



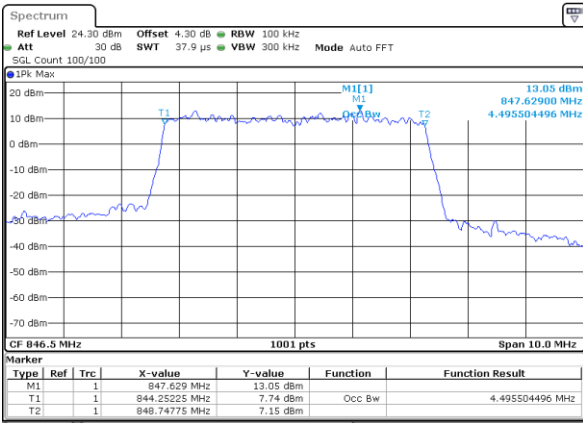
Date: 4 DEC 2019 19:41:35

Middle Channel / 10MHz / 64QAM



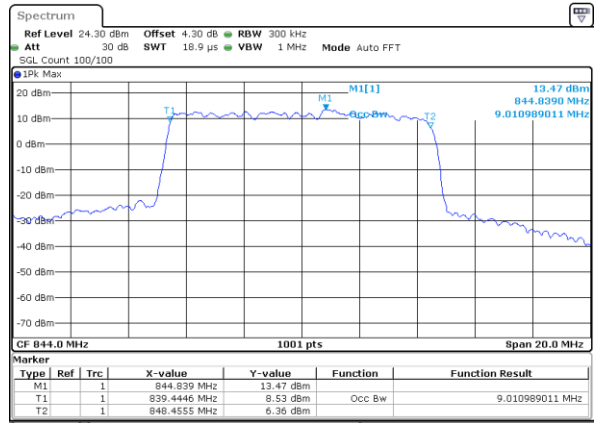
Date: 4 DEC 2019 19:51:49

Highest Channel / 5MHz / 64QAM



Date: 4 DEC 2019 19:41:55

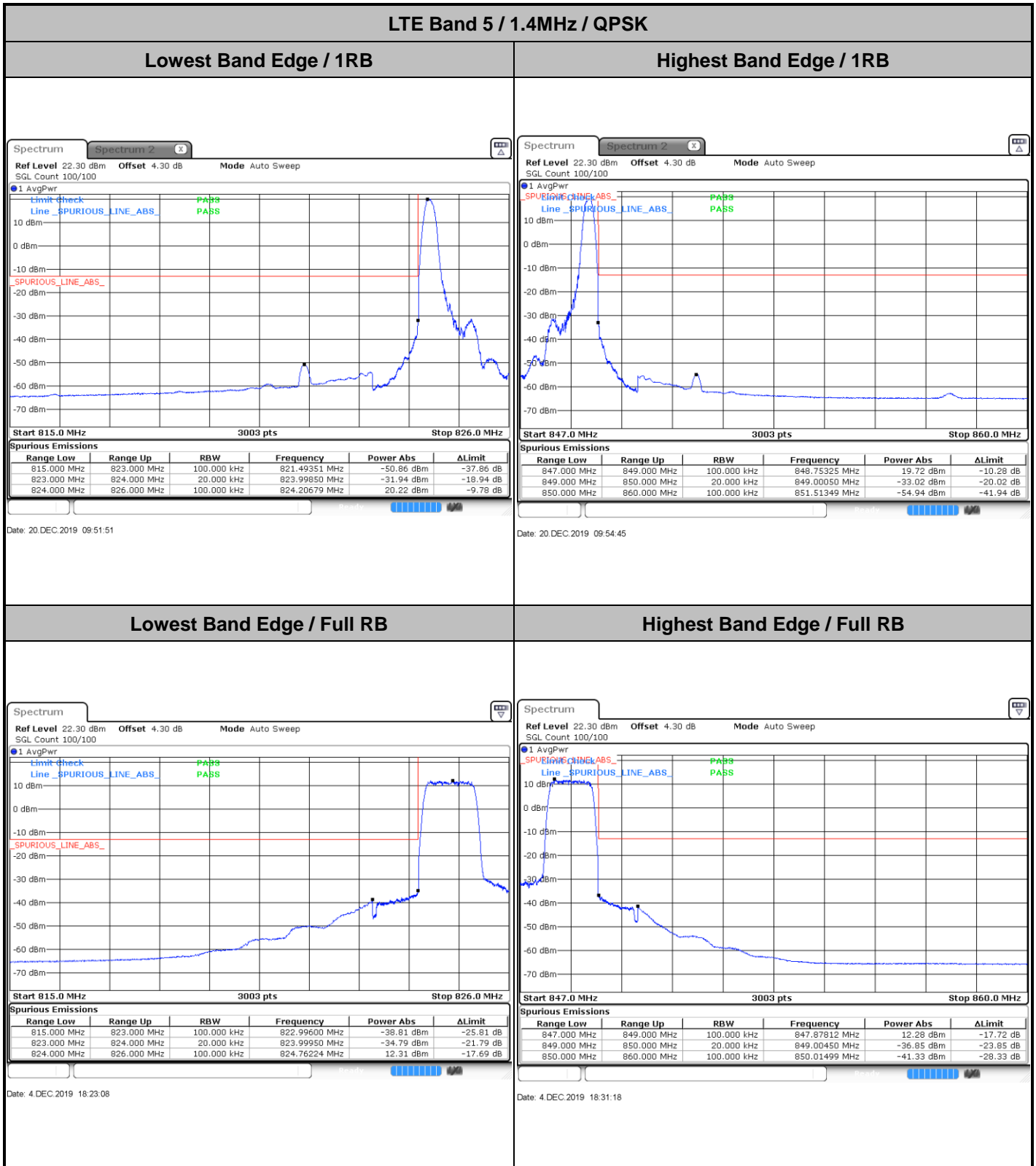
Highest Channel / 10MHz / 64QAM



Date: 4 DEC 2019 19:52:09



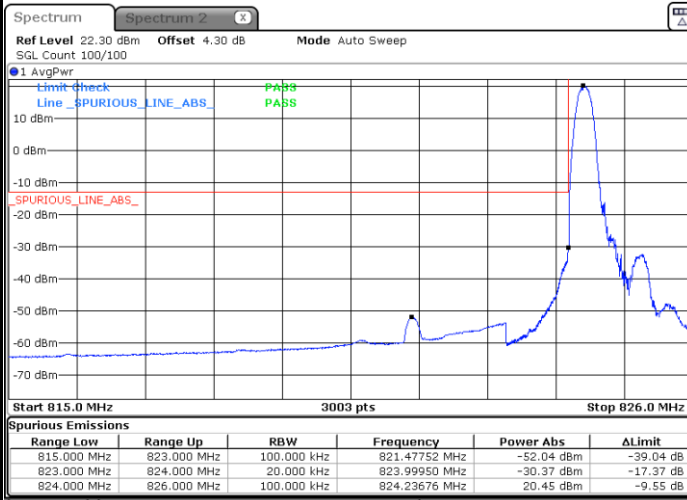
Conducted Band Edge





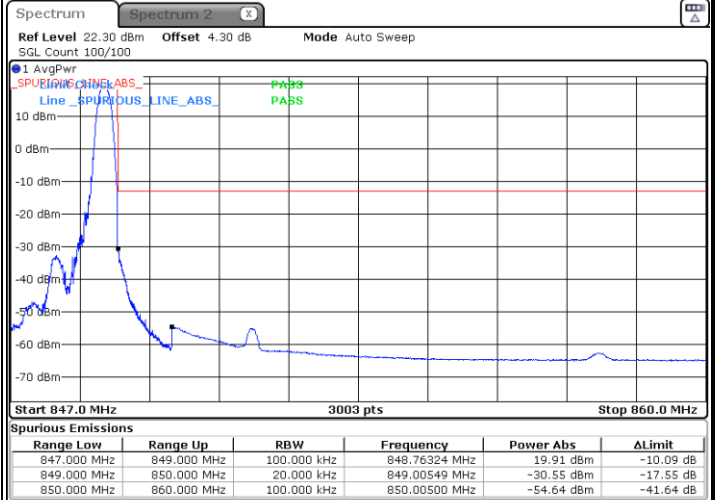
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



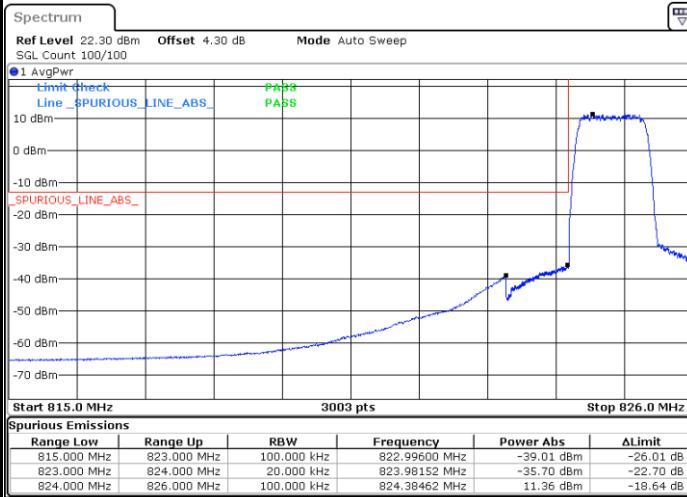
Date: 20 DEC 2019 09:53:14

Highest Band Edge / 1 RB



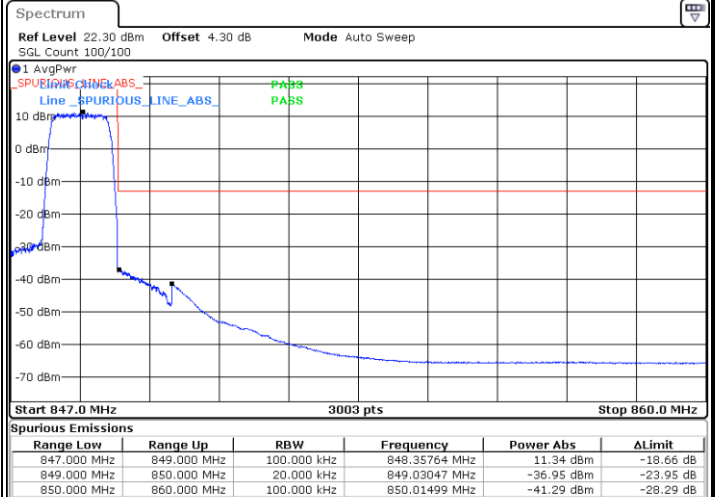
Date: 20 DEC 2019 09:57:33

Lowest Band Edge / Full RB



Date: 4 DEC 2019 18:24:47

Highest Band Edge / Full RB

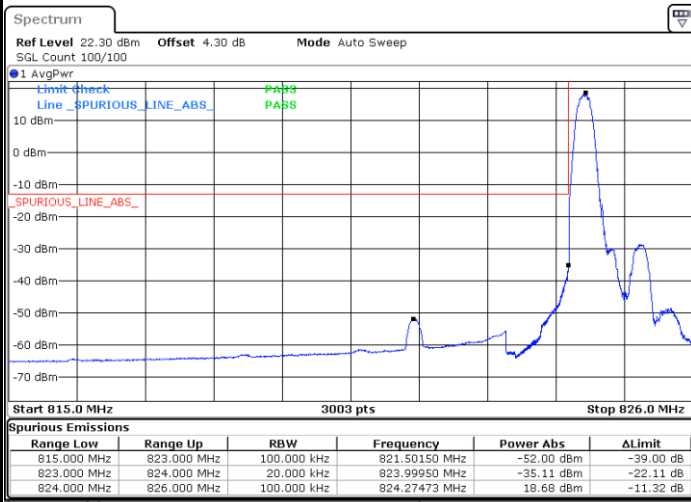


Date: 4 DEC 2019 18:32:56



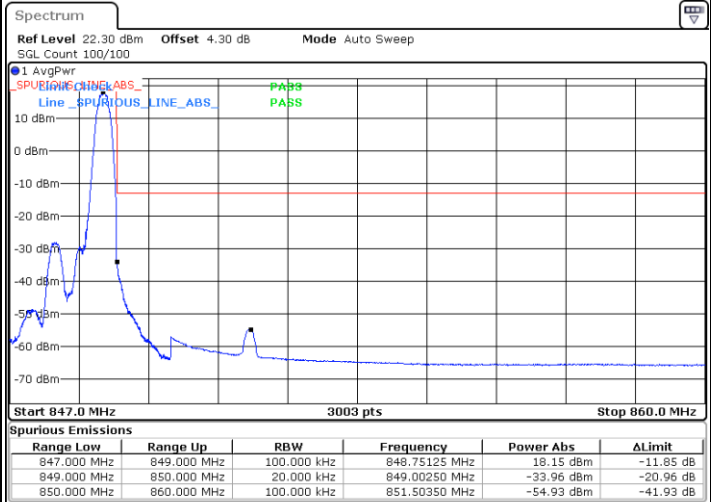
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



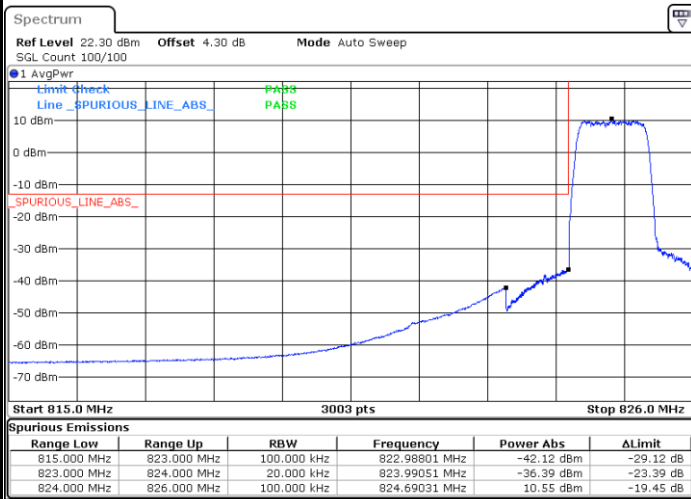
Date: 4 DEC.2019 19:19:11

Highest Band Edge / 1 RB



Date: 4 DEC.2019 19:24:55

Lowest Band Edge / Full RB



Date: 4 DEC.2019 19:17:33

Highest Band Edge / Full RB

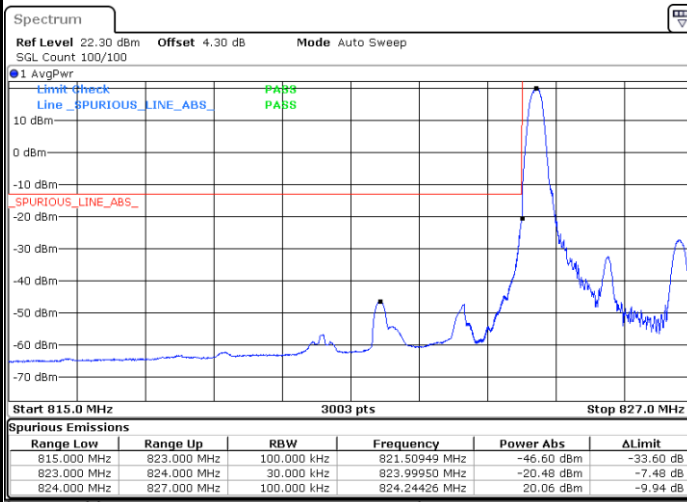


Date: 4 DEC.2019 19:23:16



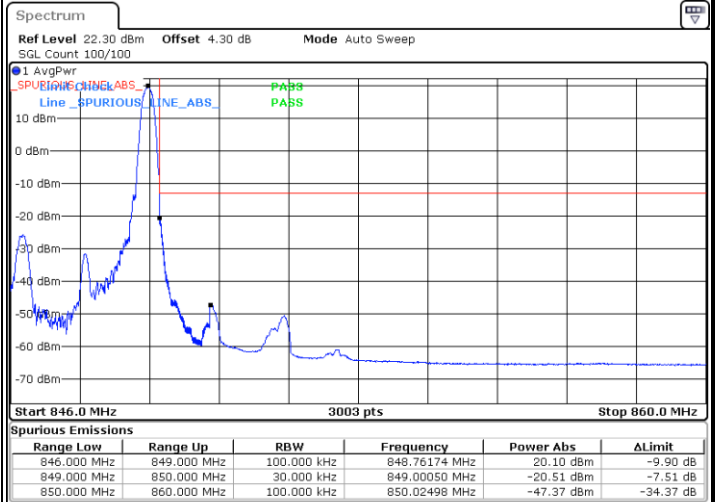
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



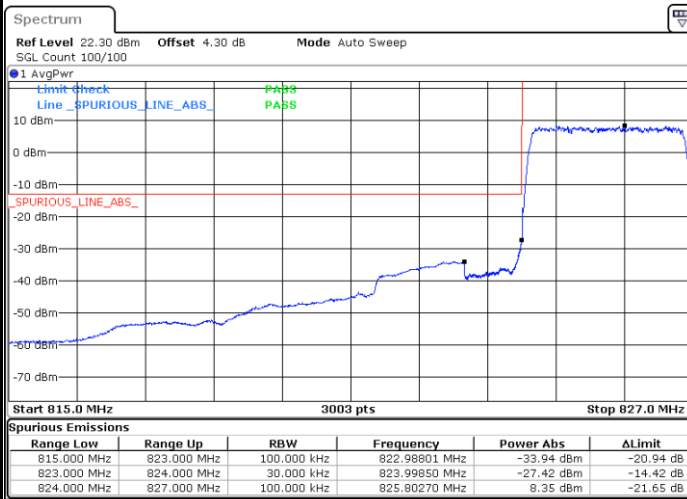
Date: 4 DEC.2019 20:02:28

Highest Band Edge / 1 RB



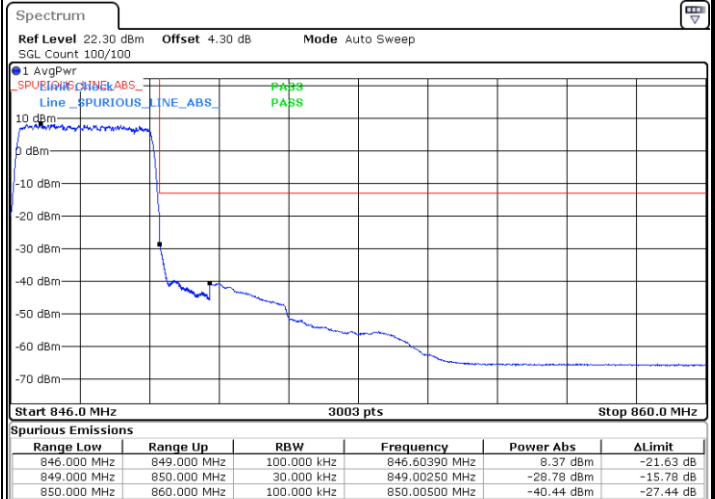
Date: 4 DEC.2019 20:13:55

Lowest Band Edge / Full RB



Date: 4 DEC.2019 20:05:45

Highest Band Edge / Full RB

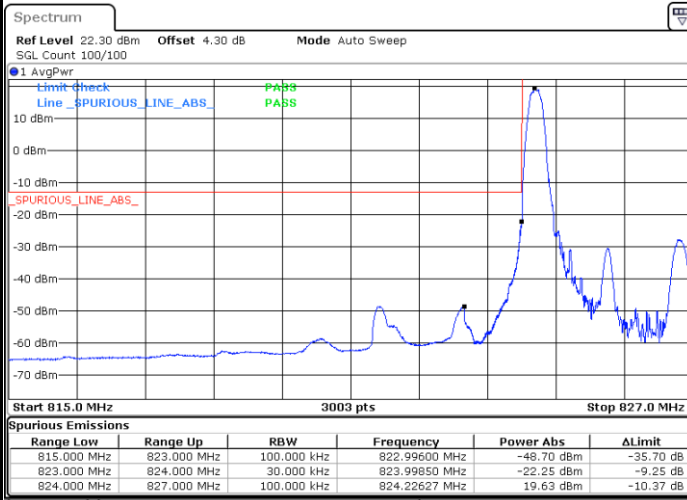


Date: 4 DEC.2019 20:17:12



LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



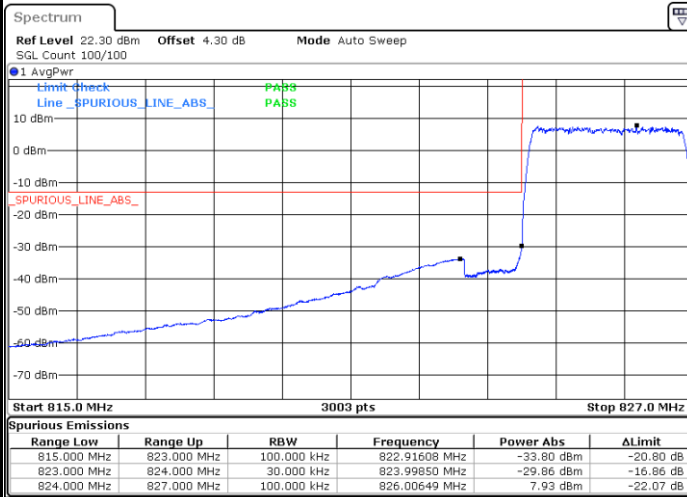
Date: 4 DEC.2019 20:04:07

Highest Band Edge / 1 RB



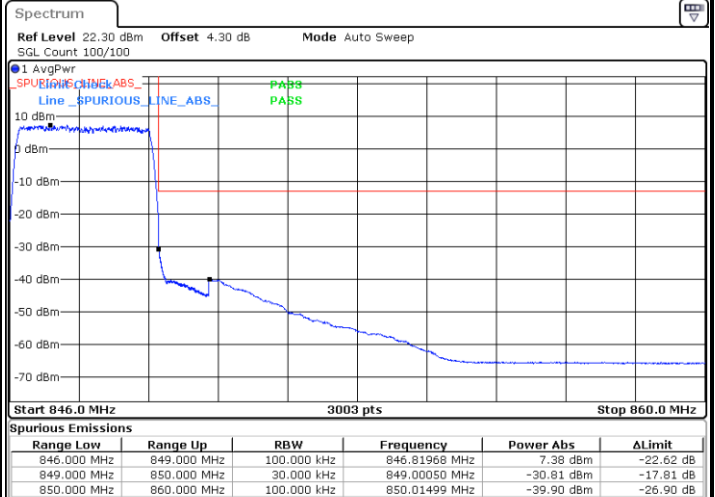
Date: 4 DEC.2019 20:15:34

Lowest Band Edge / Full RB



Date: 4 DEC.2019 20:07:24

Highest Band Edge / Full RB

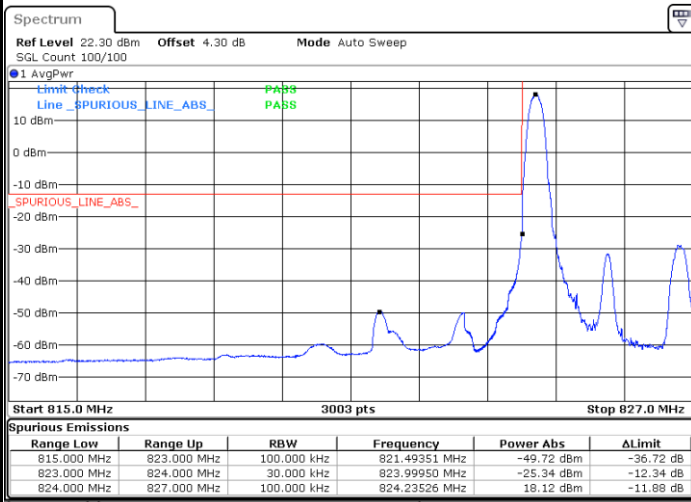


Date: 4 DEC.2019 20:18:51



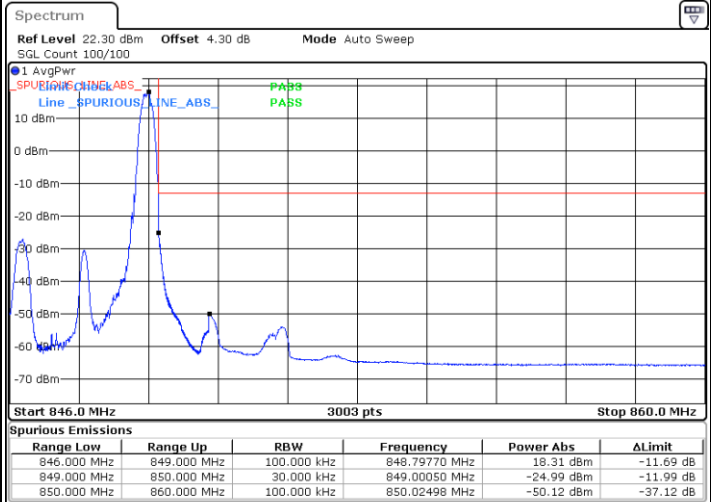
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



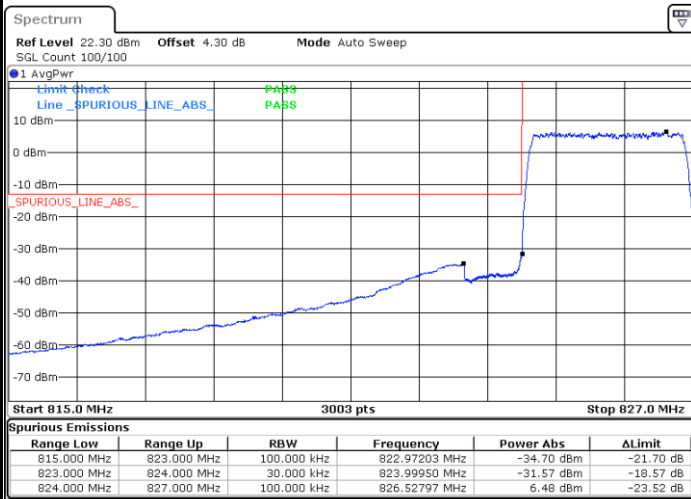
Date: 4 DEC.2019 19:29:25

Highest Band Edge / 1 RB



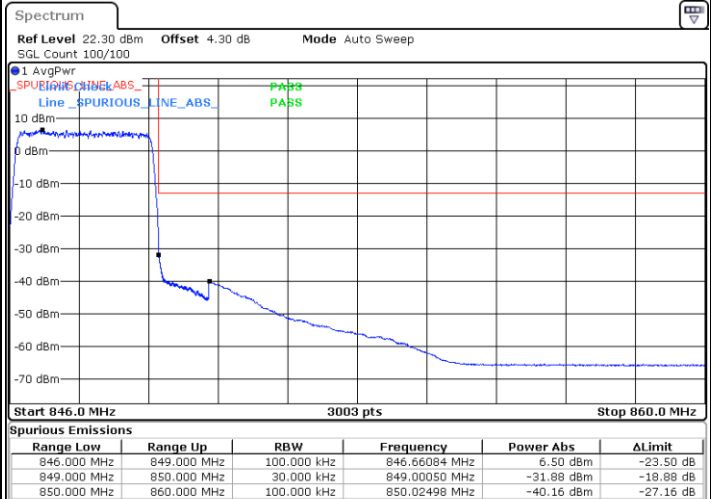
Date: 4 DEC.2019 19:35:08

Lowest Band Edge / Full RB



Date: 4 DEC.2019 19:27:47

Highest Band Edge / Full RB

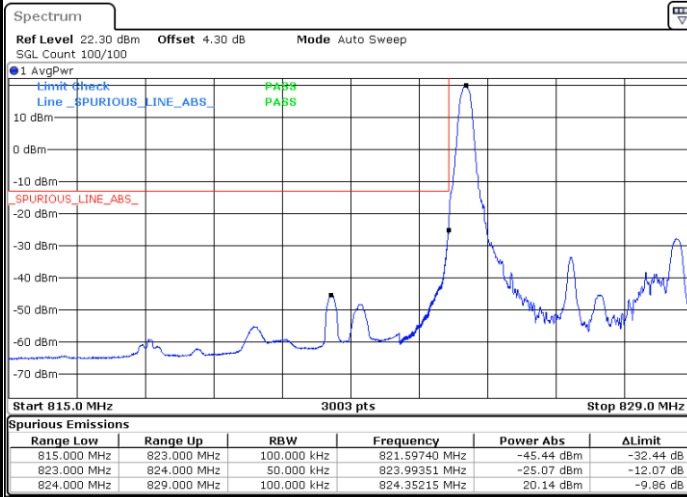


Date: 4 DEC.2019 19:33:30



LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



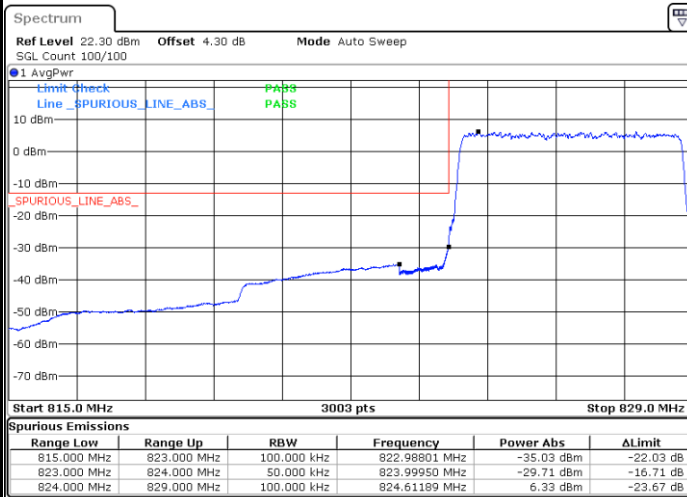
Date: 4 DEC.2019 20:31:52

Highest Band Edge / 1 RB



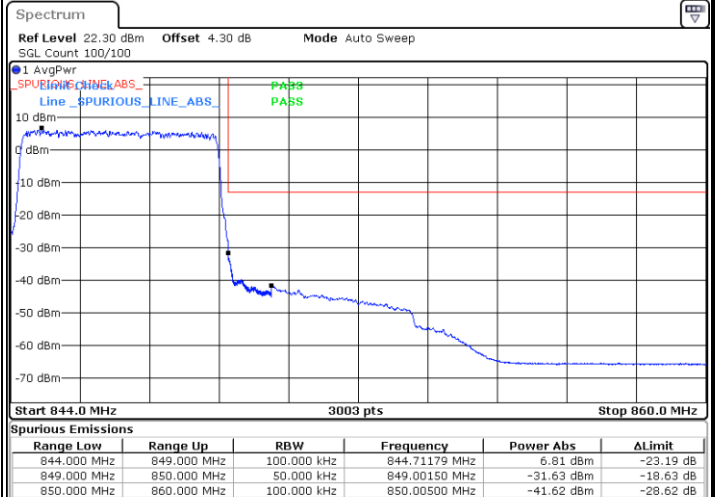
Date: 4 DEC.2019 18:44:17

Lowest Band Edge / Full RB



Date: 4 DEC.2019 20:35:09

Highest Band Edge / Full RB

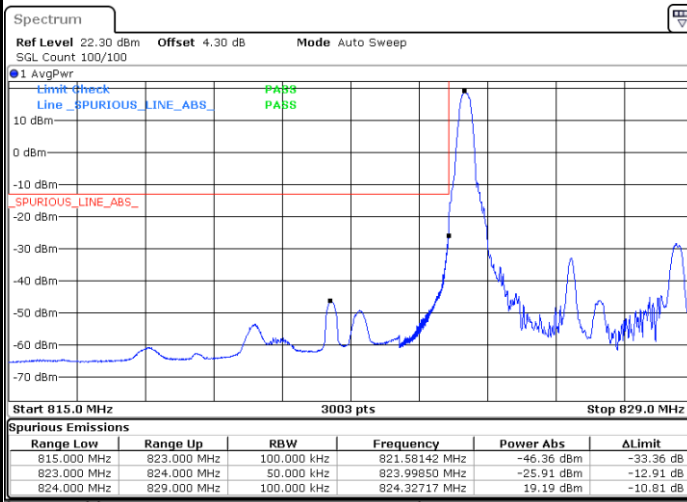


Date: 4 DEC.2019 18:47:34



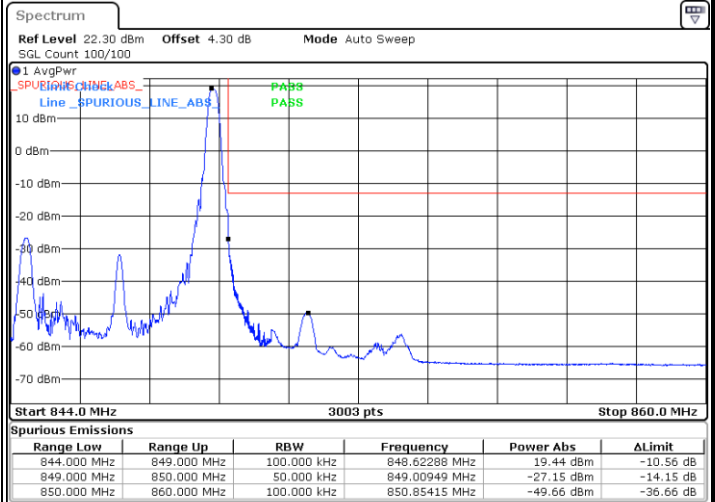
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



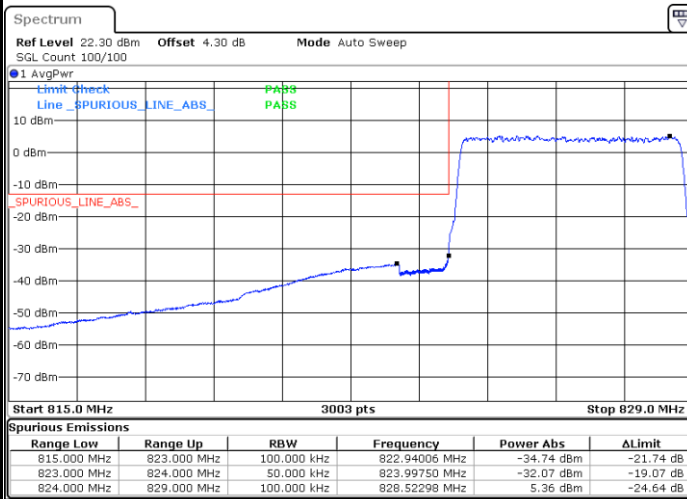
Date: 4 DEC.2019 20:33:31

Highest Band Edge / 1 RB



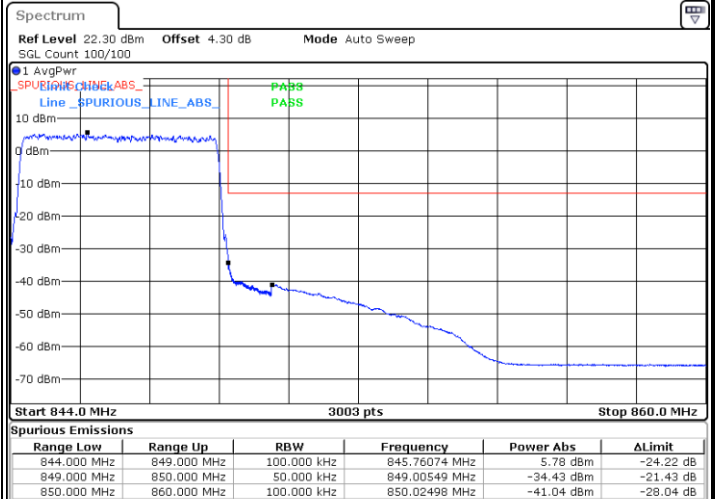
Date: 4 DEC.2019 18:45:55

Lowest Band Edge / Full RB



Date: 4 DEC.2019 20:36:48

Highest Band Edge / Full RB

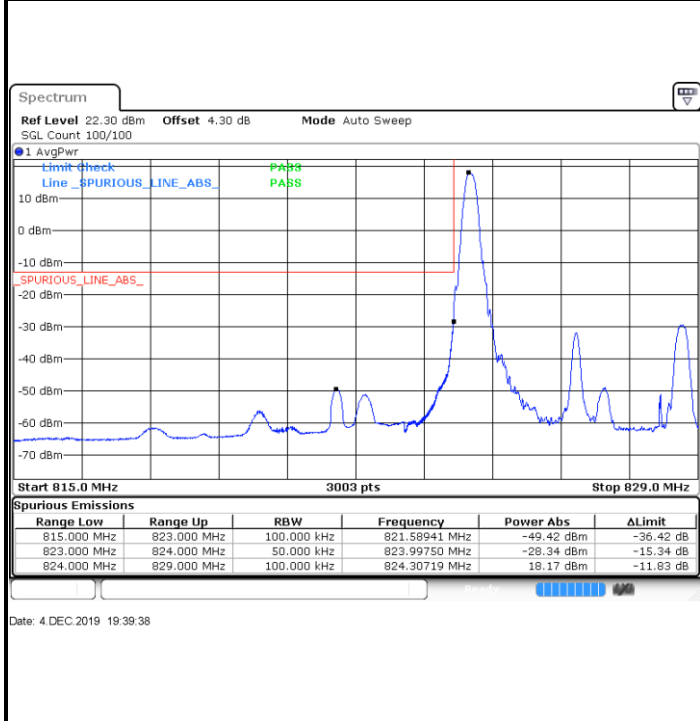


Date: 4 DEC.2019 18:49:12

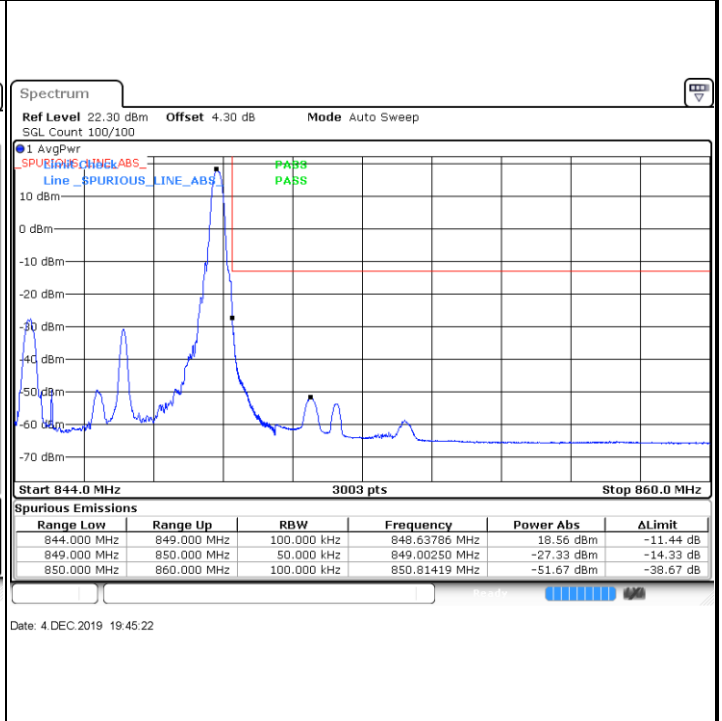


LTE Band 5 / 5MHz / 64QAM

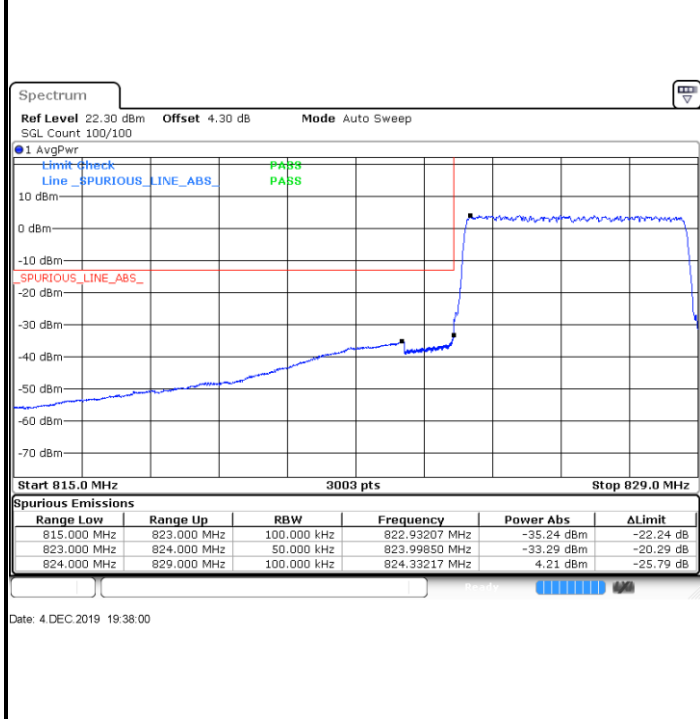
Lowest Band Edge / 1RB



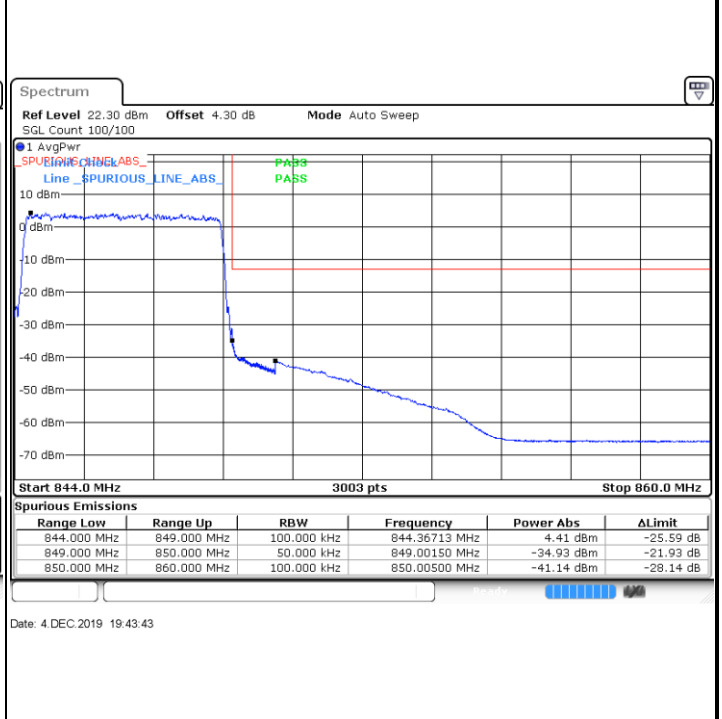
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

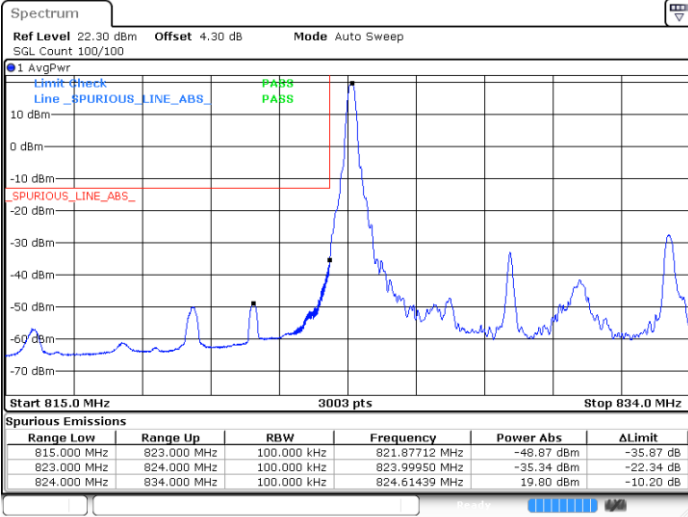




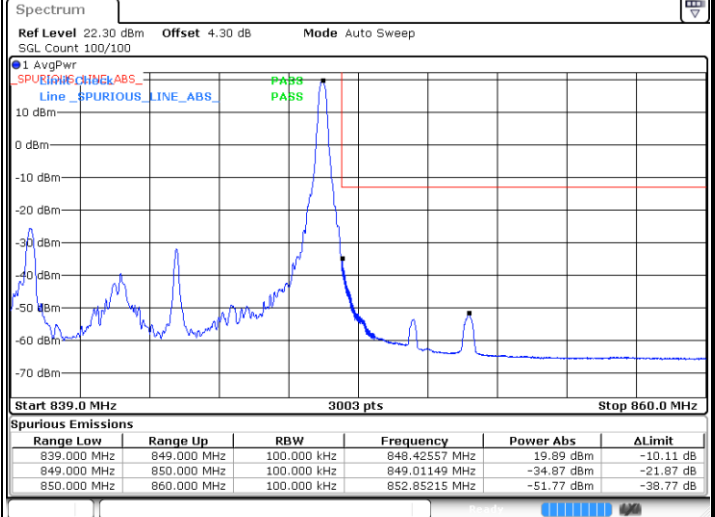
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



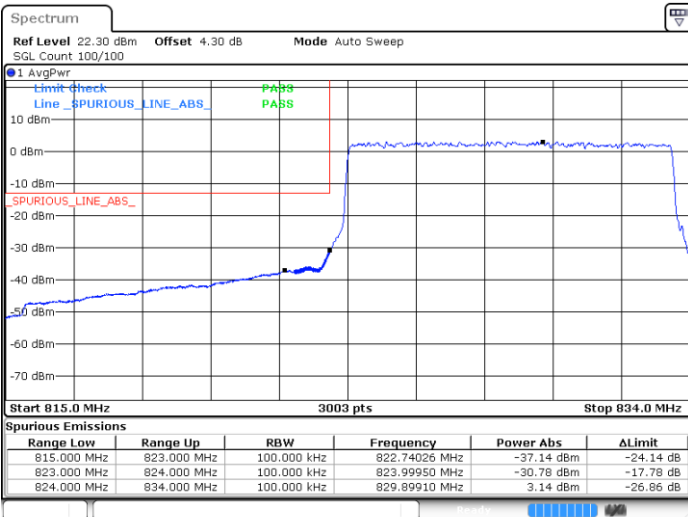
Date: 4 DEC.2019 18:53:17



Date: 4 DEC.2019 19:04:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4 DEC.2019 18:56:34

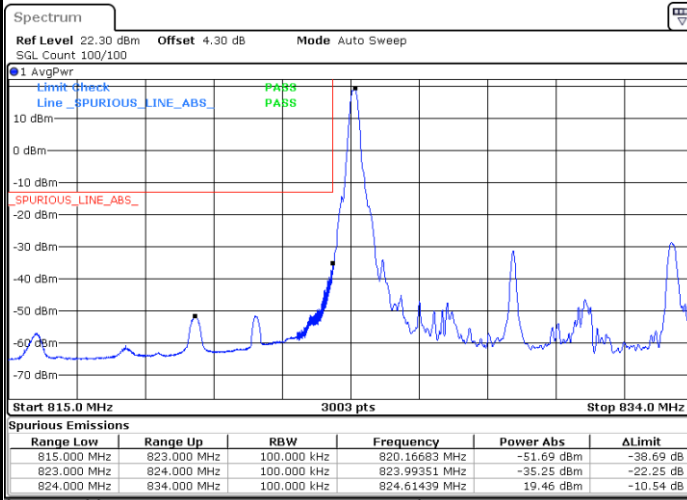


Date: 4 DEC.2019 19:08:01



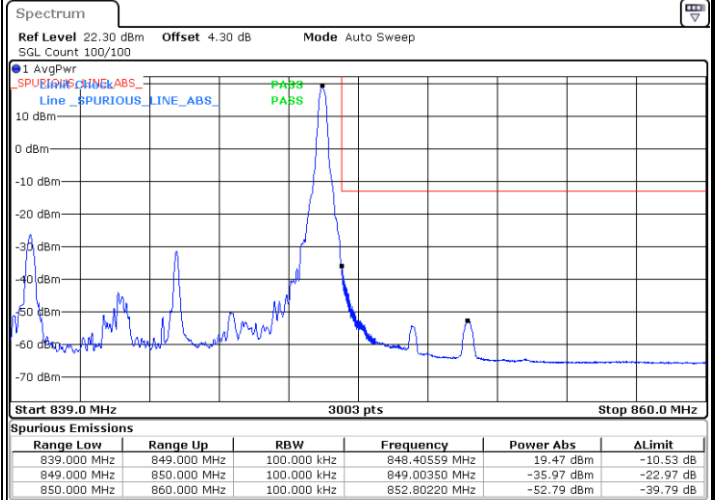
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



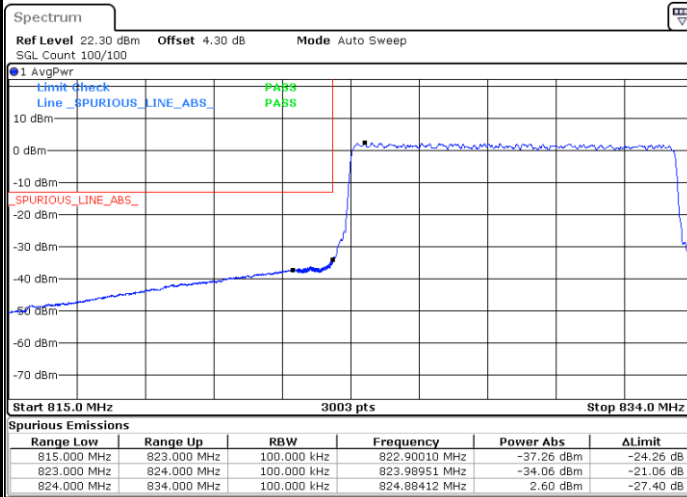
Date: 4 DEC.2019 18:54:56

Highest Band Edge / 1 RB



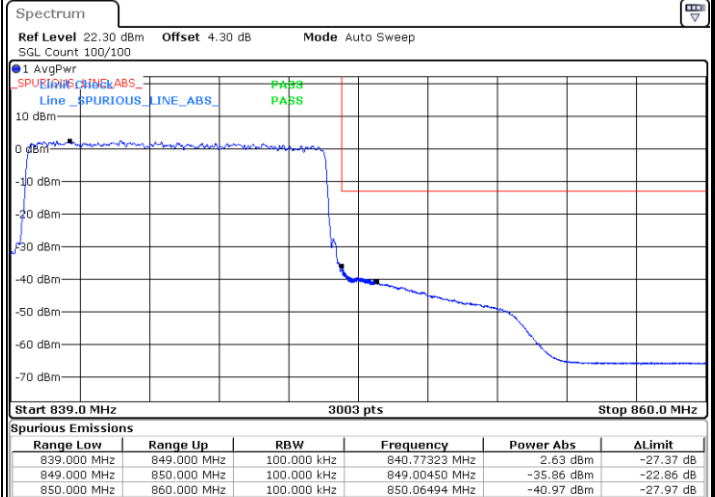
Date: 4 DEC.2019 19:06:22

Lowest Band Edge / Full RB



Date: 4 DEC.2019 18:58:12

Highest Band Edge / Full RB

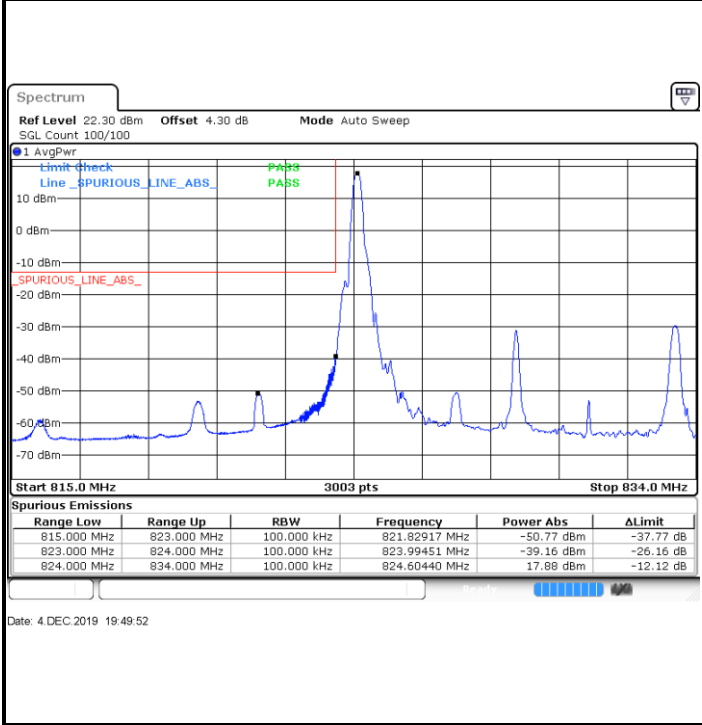


Date: 4 DEC.2019 19:09:39

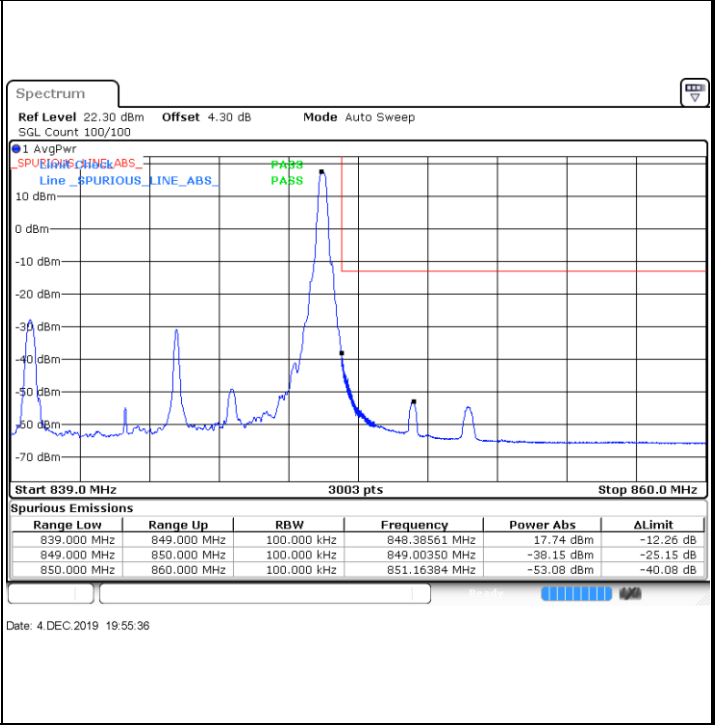


LTE Band 5 / 10MHz / 64QAM

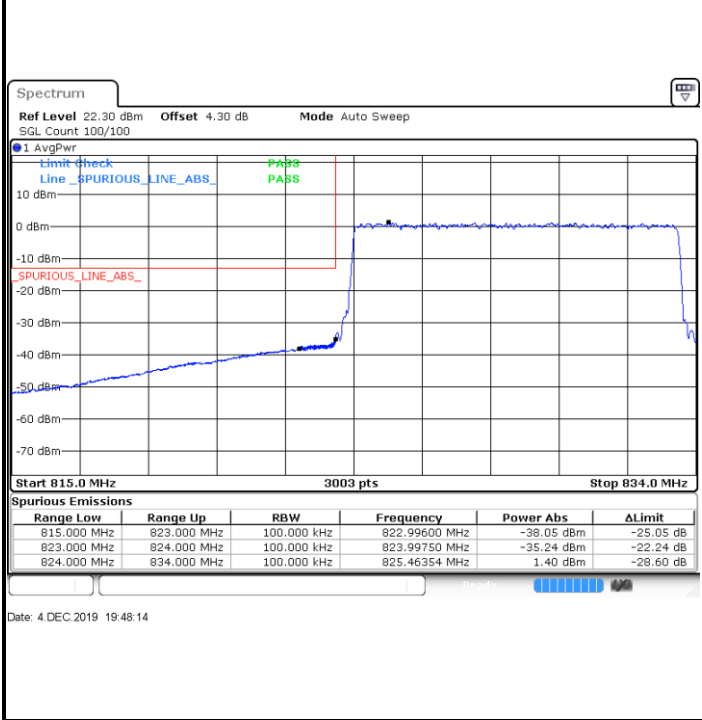
Lowest Band Edge / 1 RB



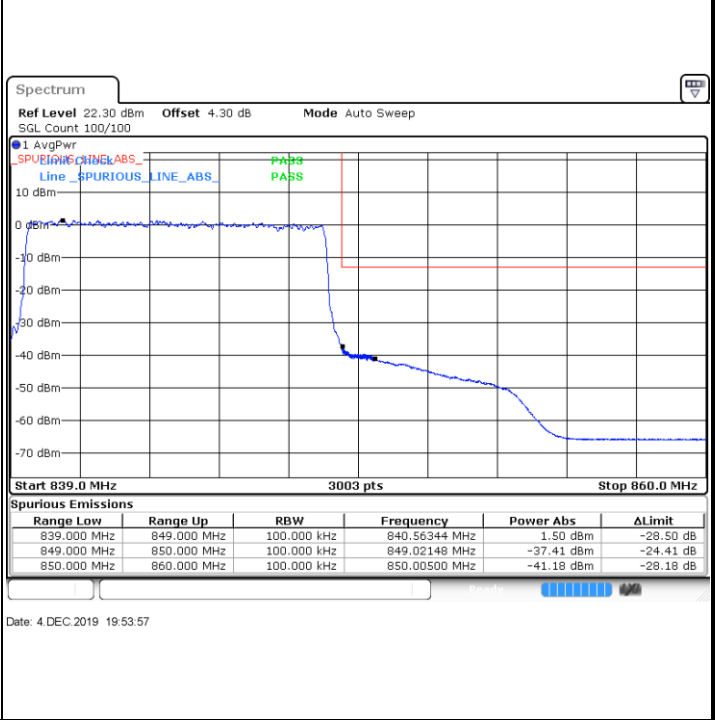
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

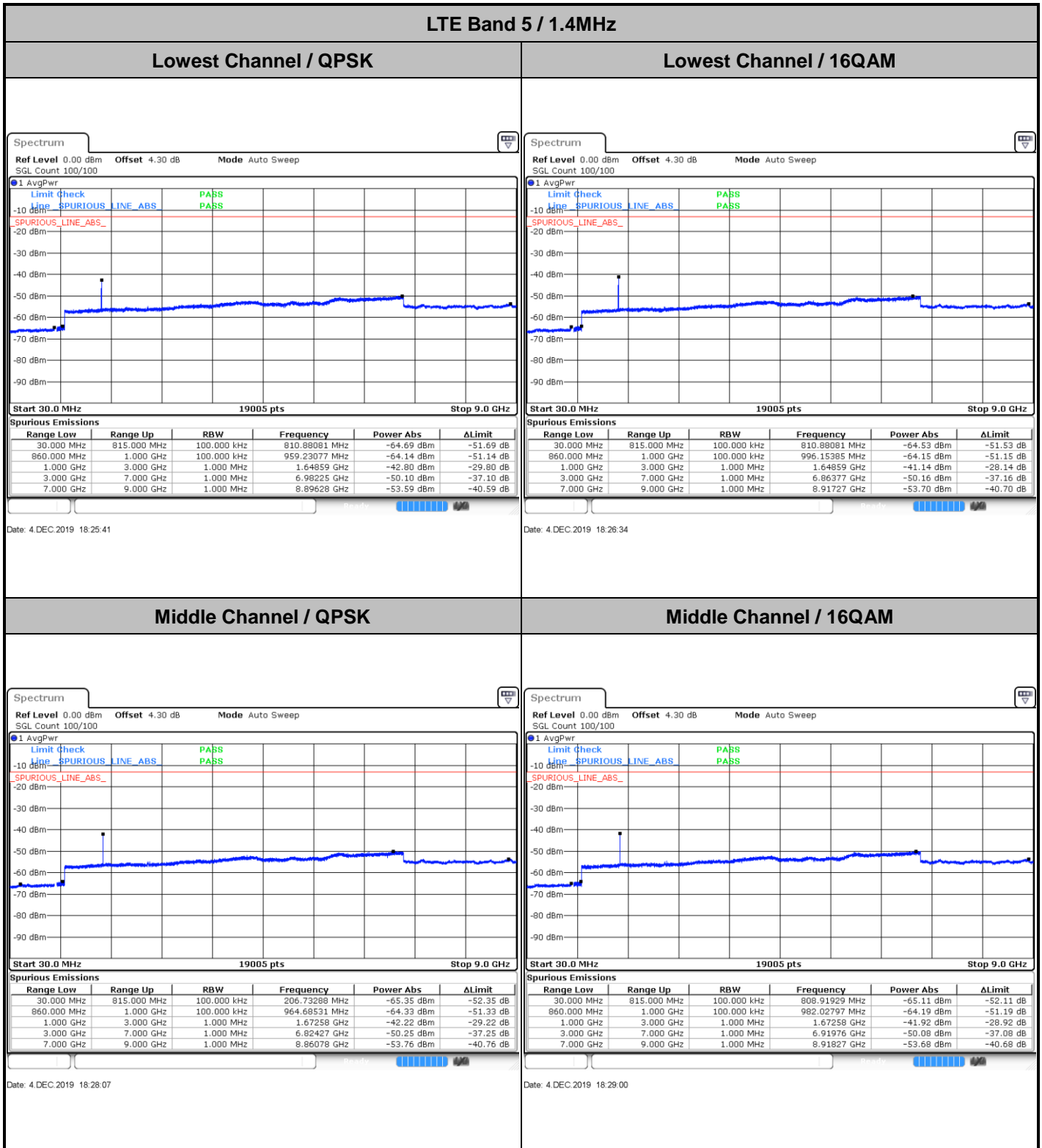


Highest Band Edge / Full RB





Conducted Spurious Emission

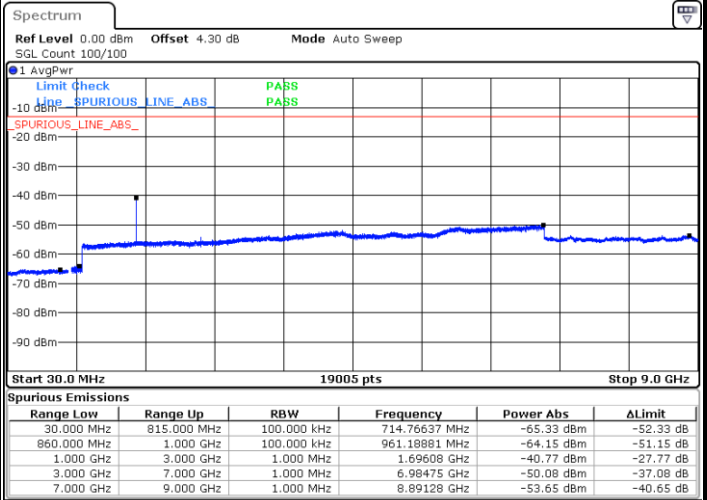
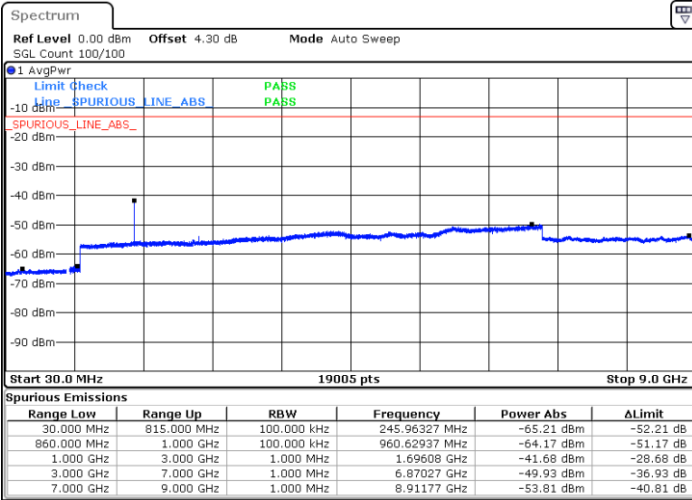




LTE Band 5 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



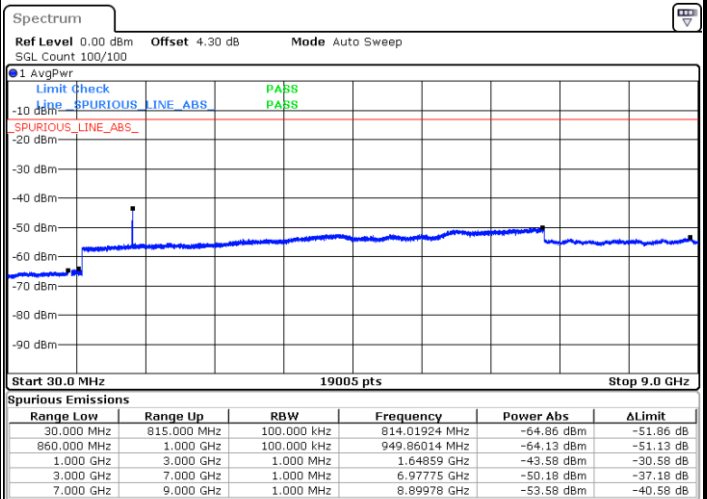
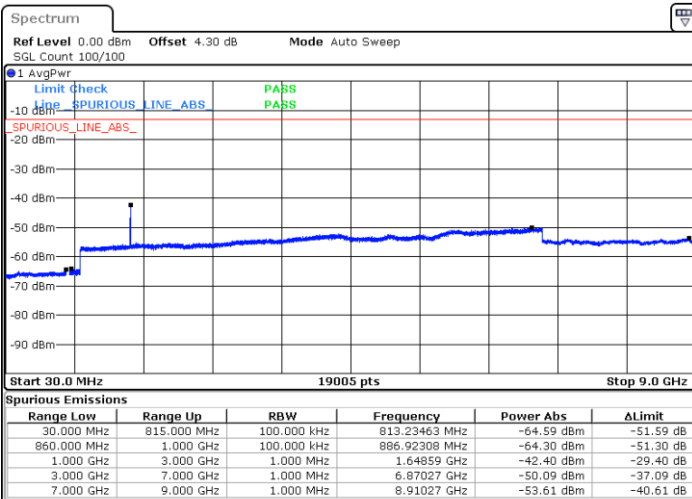
Date: 4 DEC.2019 18:37:07

Date: 4 DEC.2019 18:38:00

LTE Band 5 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 4 DEC.2019 20:08:18

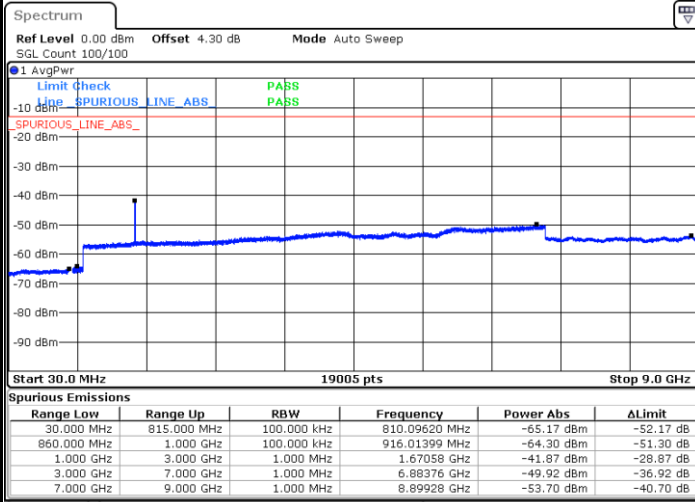
Date: 4 DEC.2019 20:09:11



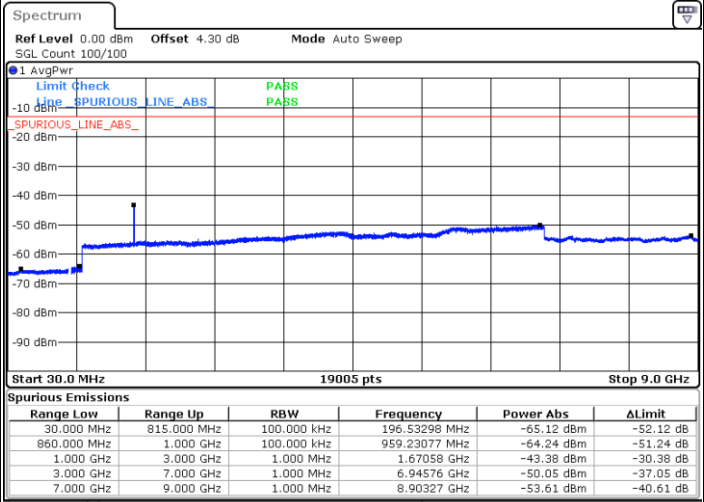
LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



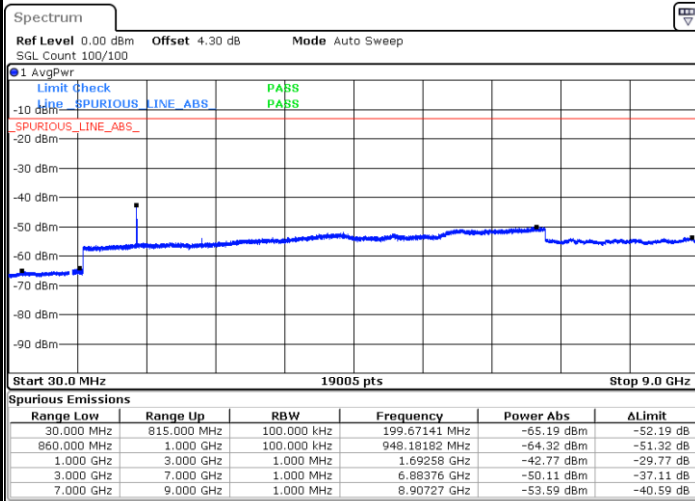
Date: 4 DEC.2019 20:10:44



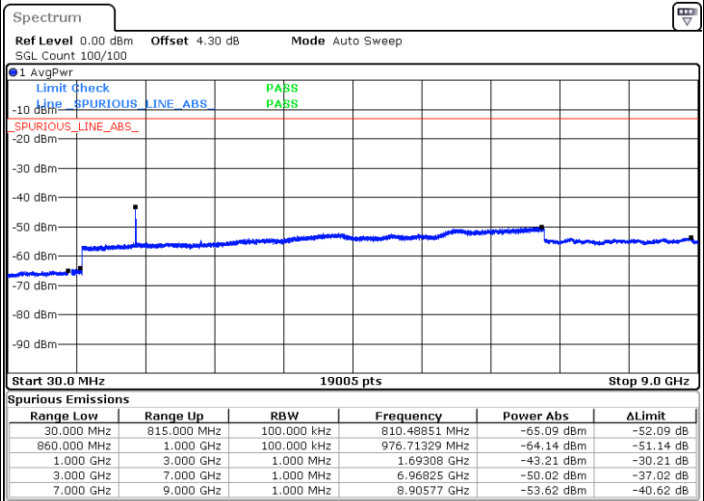
Date: 4 DEC.2019 20:11:37

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4 DEC.2019 20:19:45



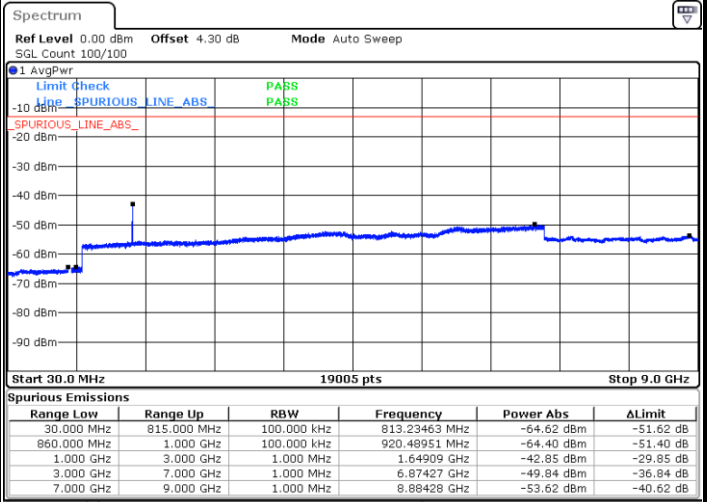
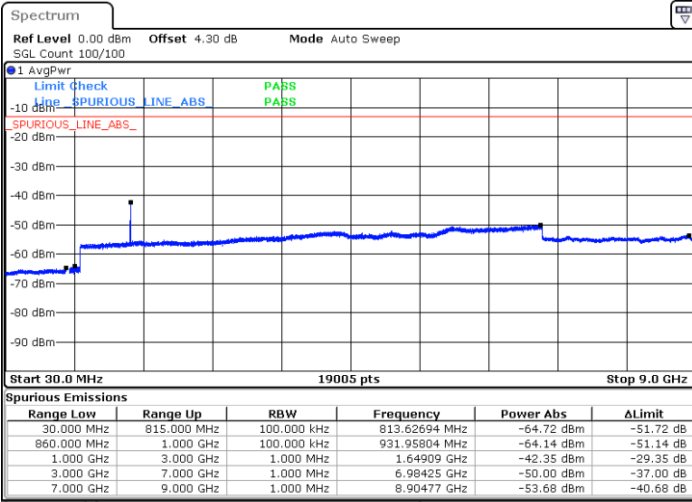
Date: 4 DEC.2019 20:20:38



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

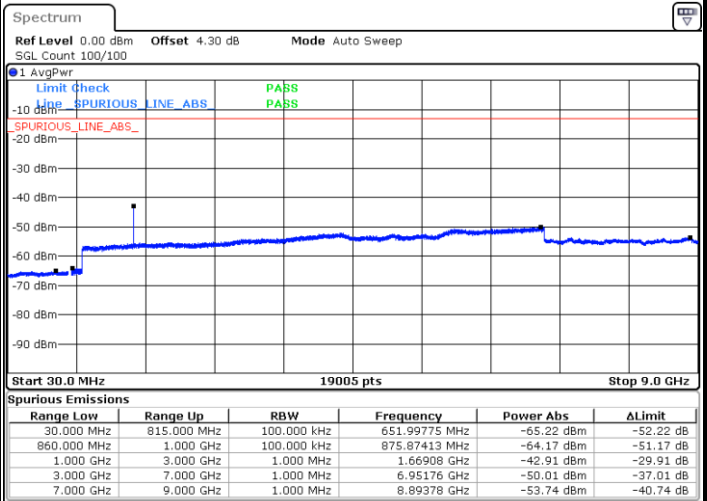
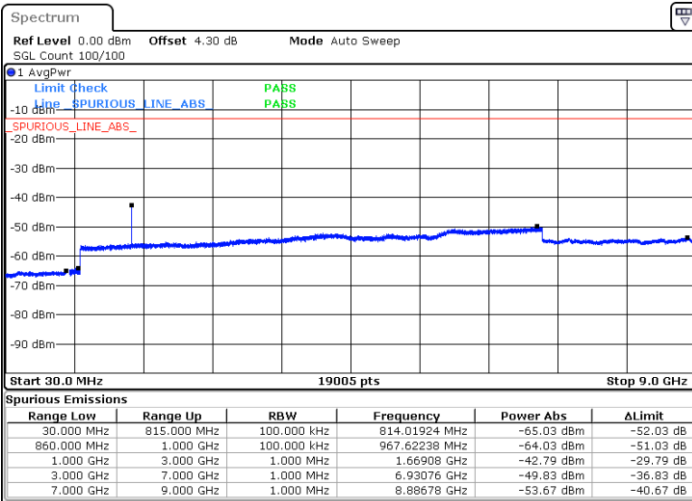


Date: 4 DEC.2019 20:37:42

Date: 4 DEC.2019 18:39:33

Middle Channel / QPSK

Middle Channel / 16QAM



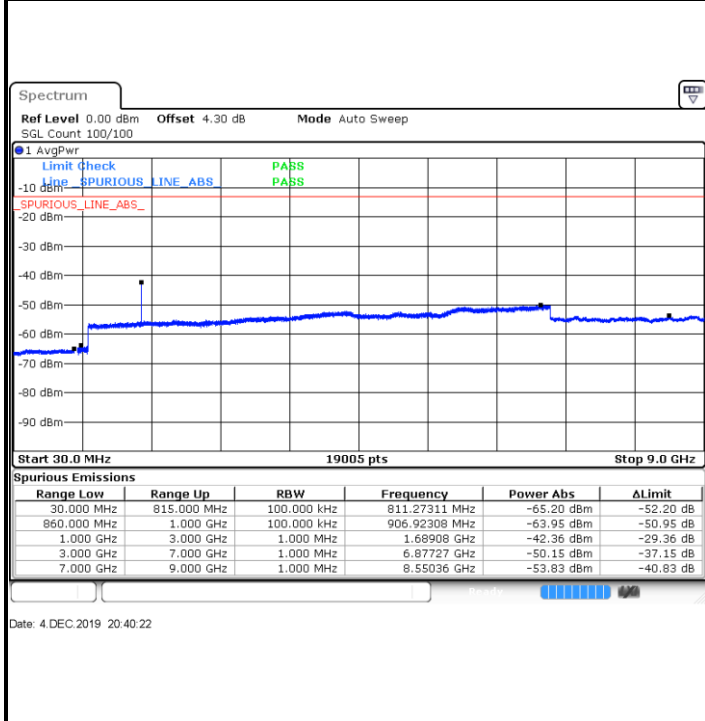
Date: 4 DEC.2019 20:38:35

Date: 4 DEC.2019 20:39:28

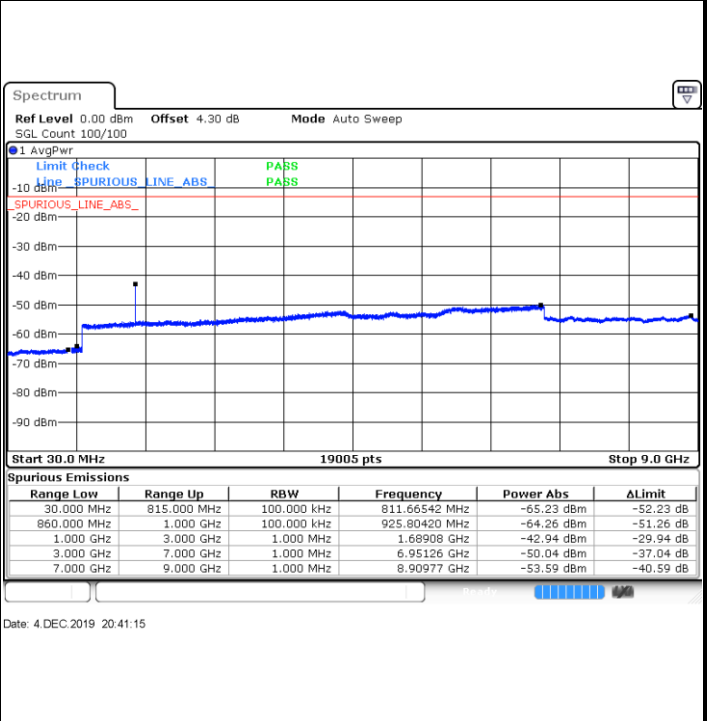


LTE Band 5 / 5MHz

Highest Channel / QPSK

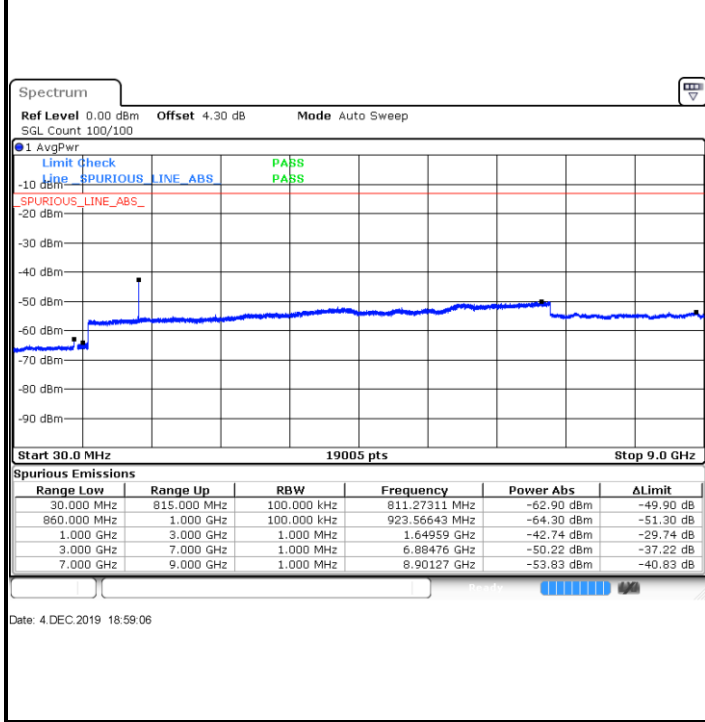


Highest Channel / 16QAM

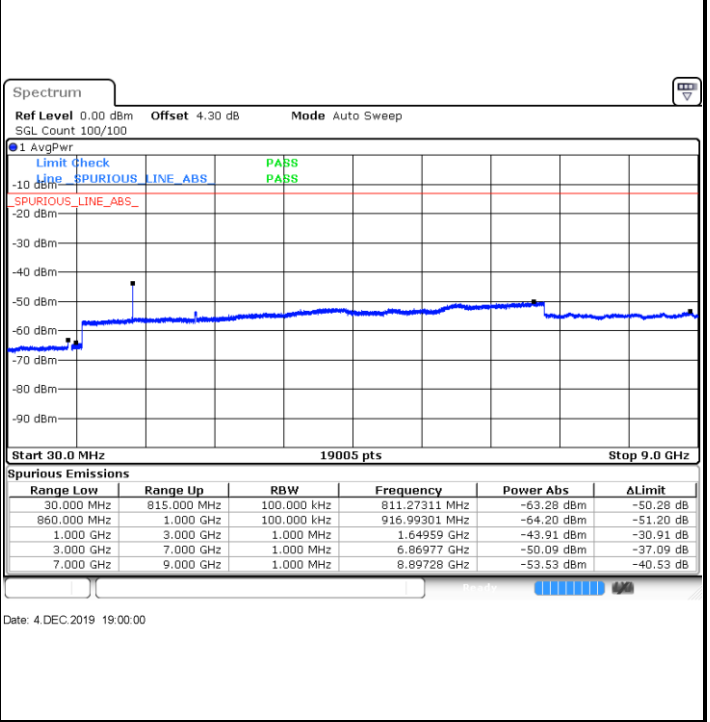


LTE Band 5 / 10MHz

Lowest Channel / QPSK



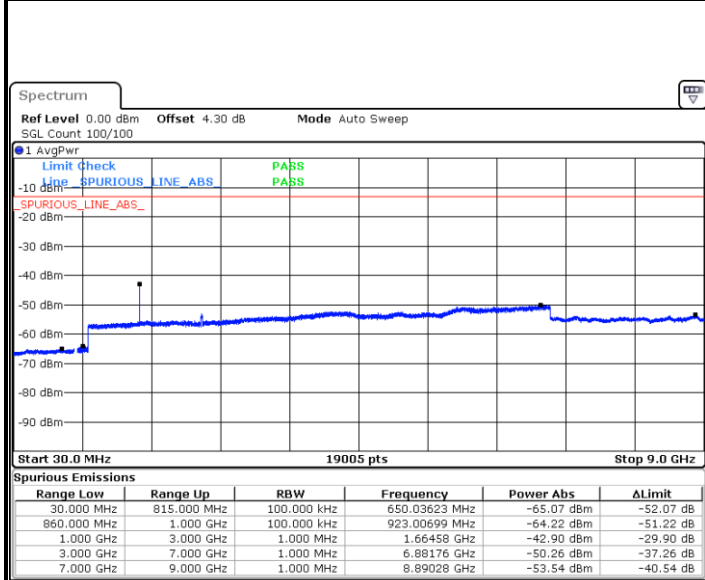
Lowest Channel / 16QAM





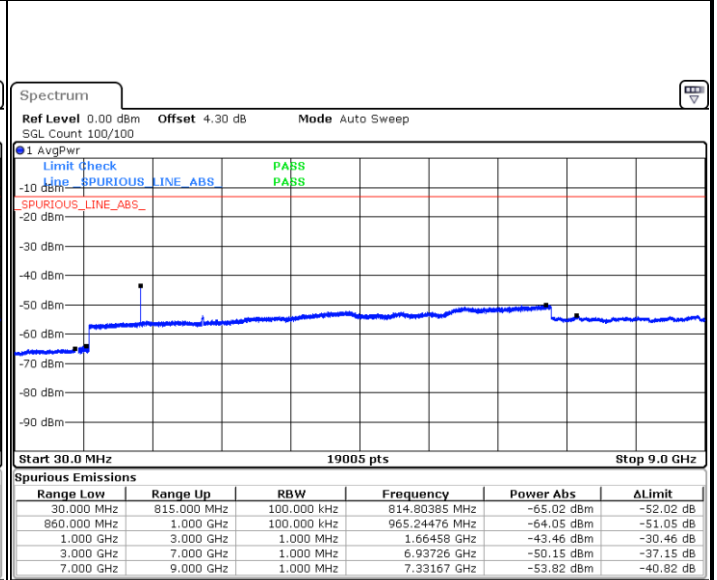
LTE Band 5 / 10MHz

Middle Channel / QPSK



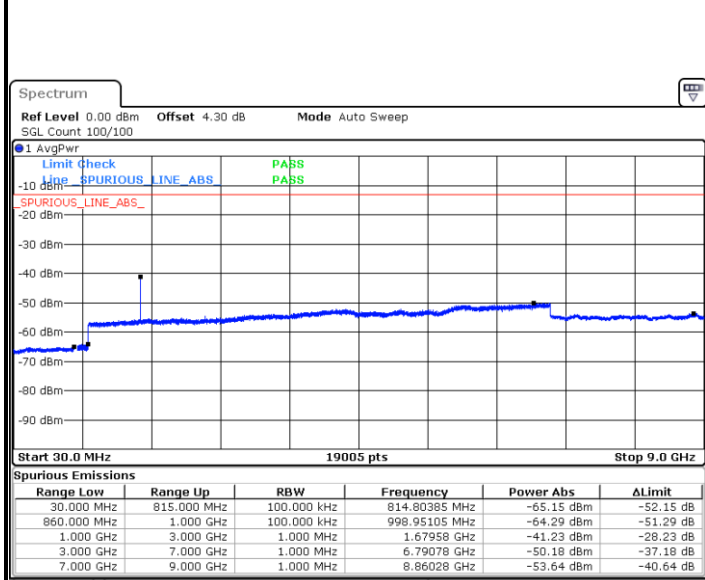
Date: 4 DEC.2019 19:01:33

Middle Channel / 16QAM



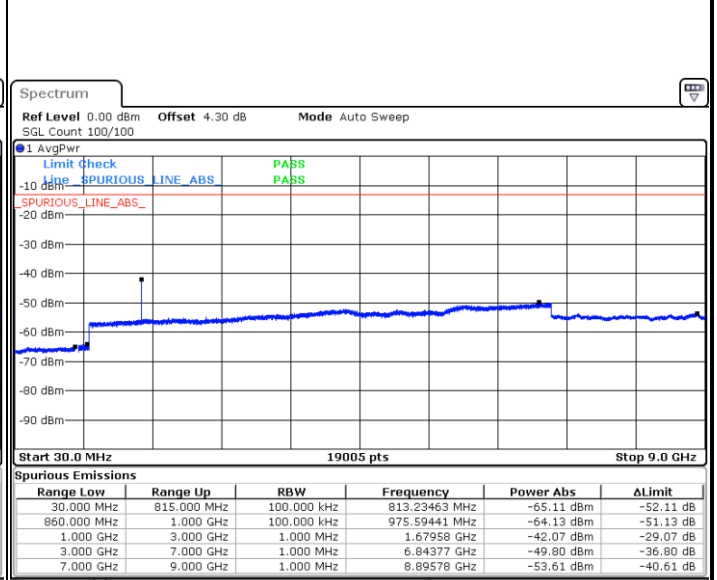
Date: 4 DEC.2019 19:02:26

Highest Channel / QPSK



Date: 4 DEC.2019 19:10:33

Highest Channel / 16QAM



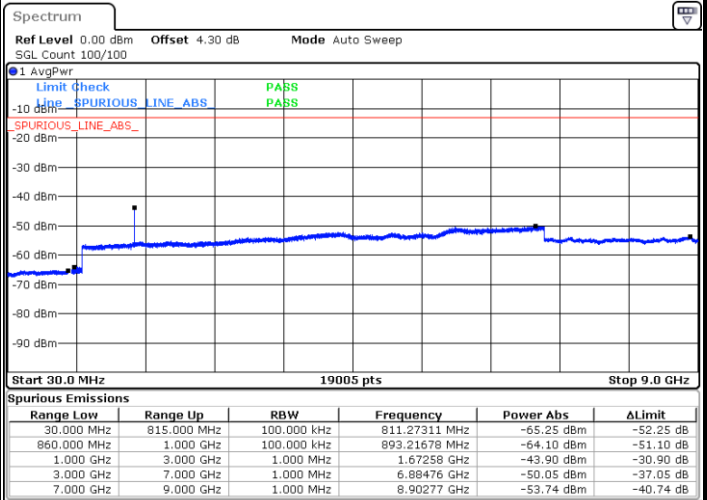
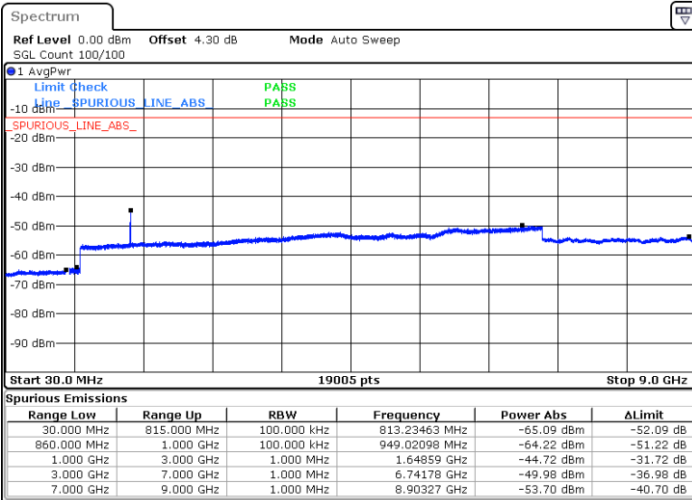
Date: 4 DEC.2019 19:11:26



LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

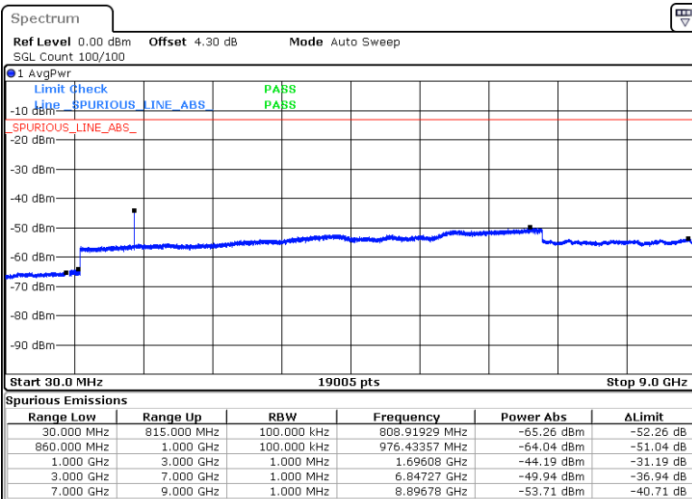
Middle Channel / 64QAM



Date: 4 DEC.2019 19:20:05

Date: 4 DEC.2019 19:20:59

Highest Channel / 64QAM



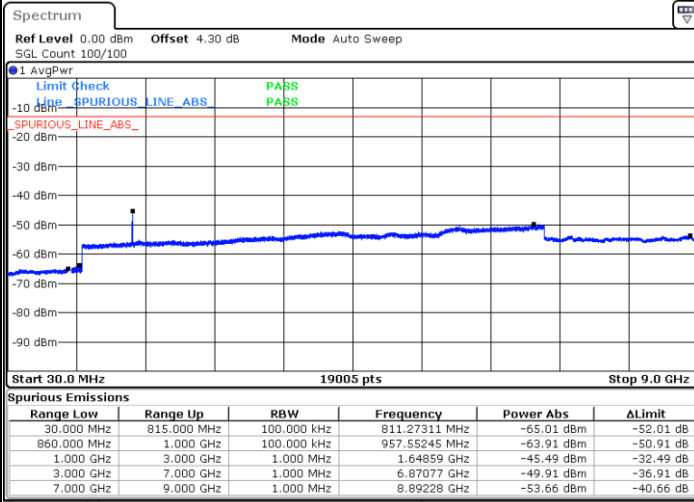
Date: 4 DEC.2019 19:25:49



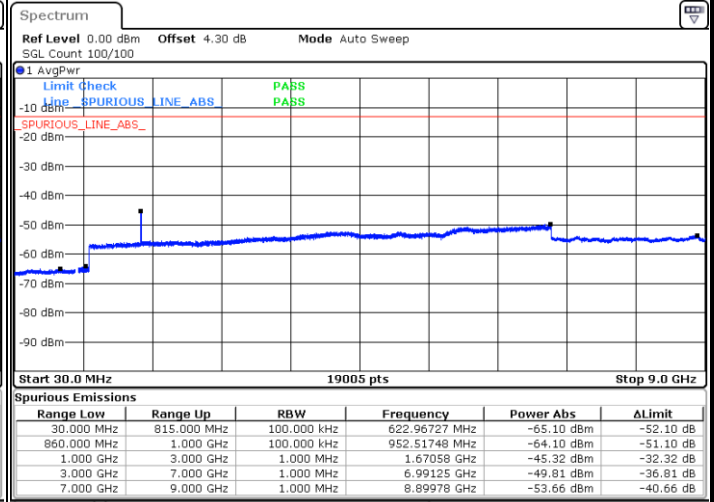
LTE Band 5 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

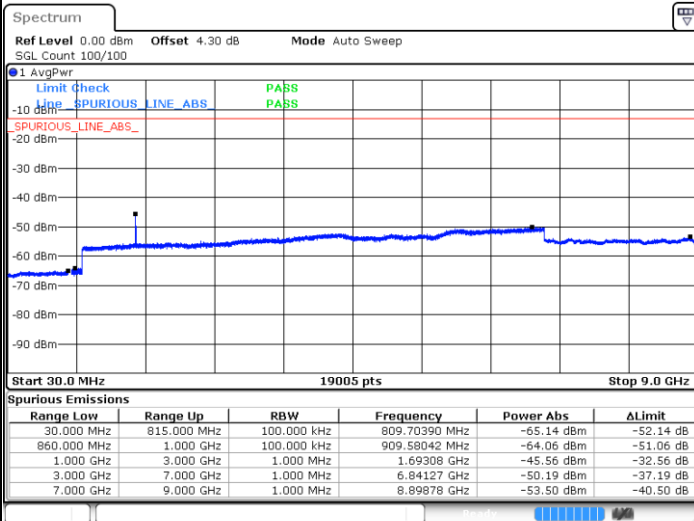


Date: 4 DEC.2019 19:30:19



Date: 4 DEC.2019 19:31:12

Highest Channel / 64QAM



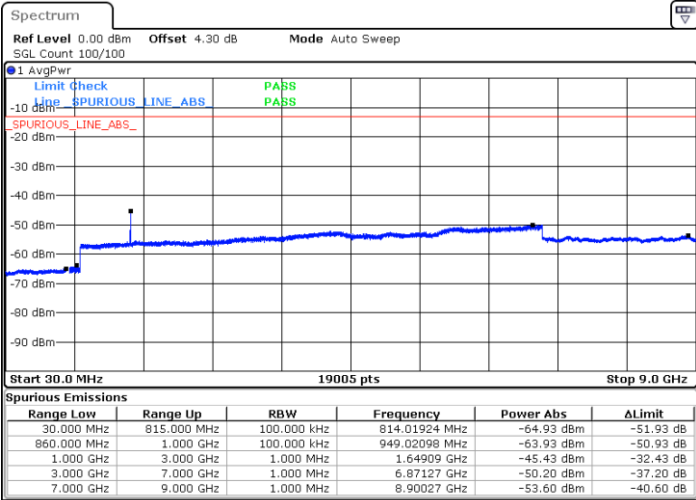
Date: 4 DEC.2019 19:36:02



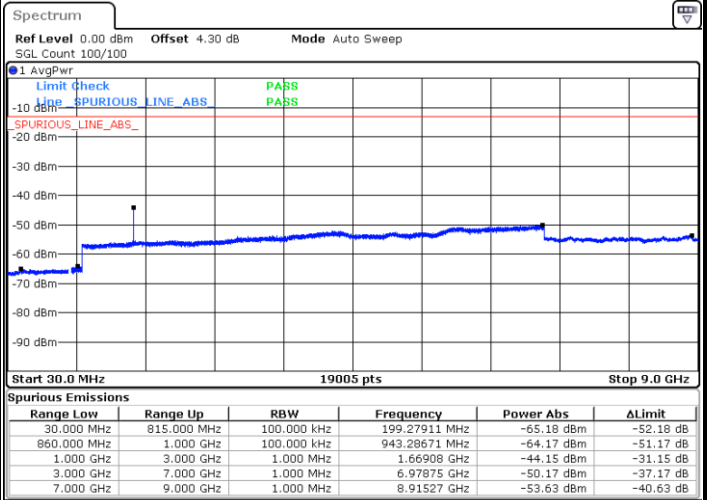
LTE Band 5 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

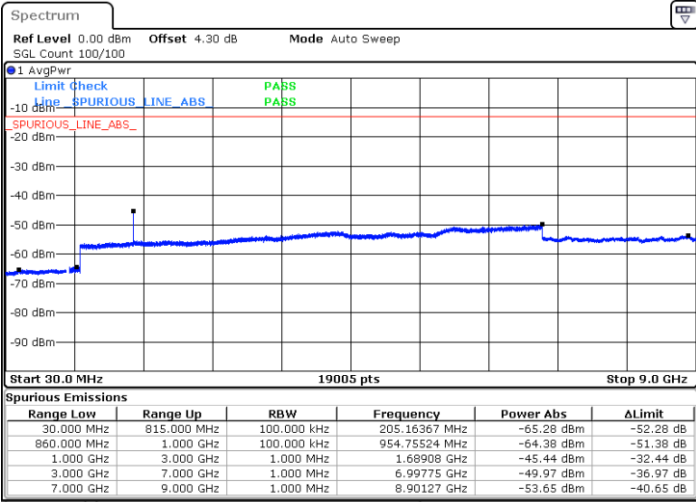


Date: 4 DEC.2019 19:40:32

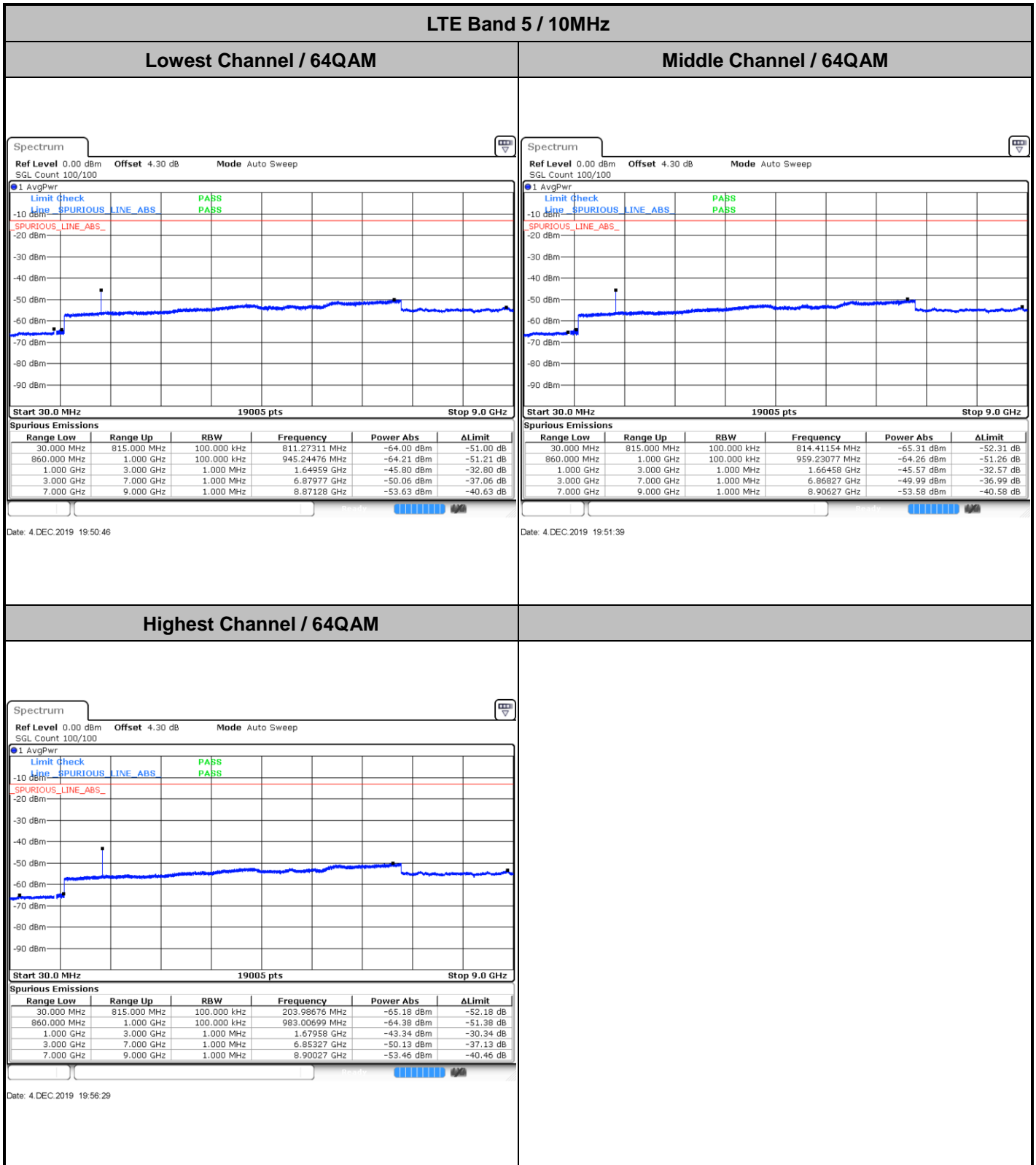


Date: 4 DEC.2019 19:41:26

Highest Channel / 64QAM



Date: 4 DEC.2019 19:46:16





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	0.0001	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0040	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0056	
0	Normal Voltage	0.0053	
-10	Normal Voltage	0.0051	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0060	
20	Maximum Voltage	0.0051	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4V.



LTE Band 41

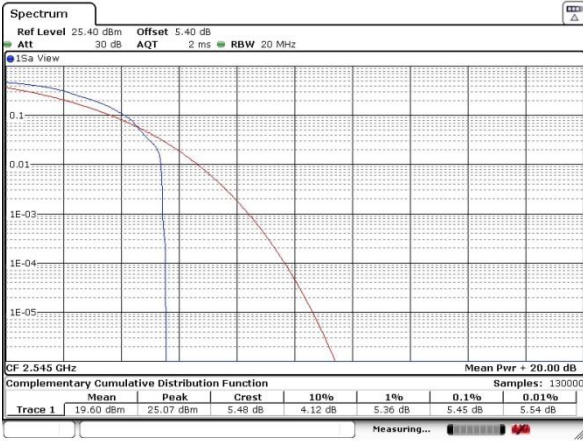
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.45	4.55	5.48	5.71	PASS
Middle CH	3.97	4.81	6.72	6.20	
Highest CH	3.71	6.38	5.68	6.06	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	6.12	5.71	PASS		
Middle CH	6.75	6.17			
Highest CH	5.62	6.29			



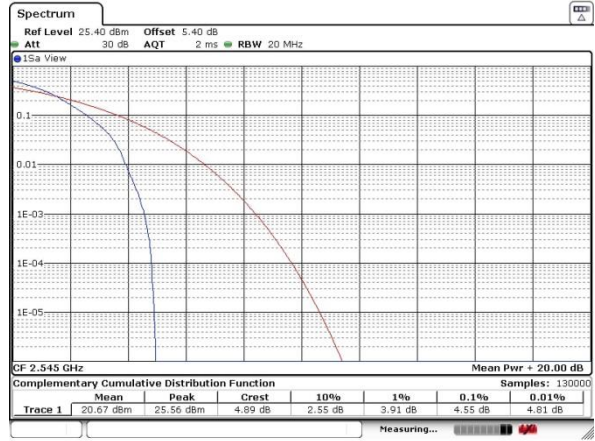
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 20 DEC 2019 21:19:19

Lowest Channel / Full RB



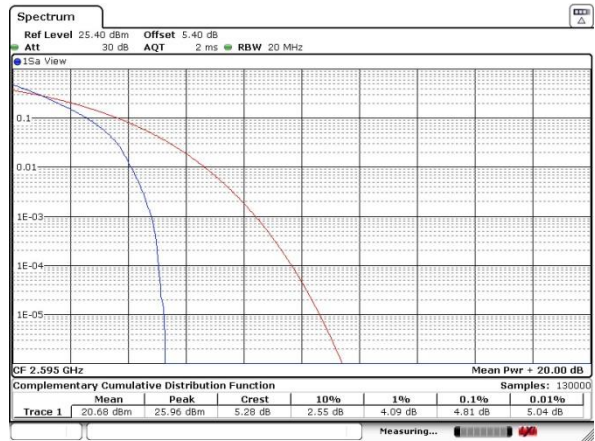
Date: 20 DEC 2019 21:15:19

Middle Channel / 1RB



Date: 5 DEC 2019 06:29:52

Middle Channel / Full RB



Date: 5 DEC 2019 06:30:51

Highest Channel / 1RB



Date: 5 DEC 2019 06:31:59

Highest Channel / Full RB



Date: 5 DEC 2019 06:32:57