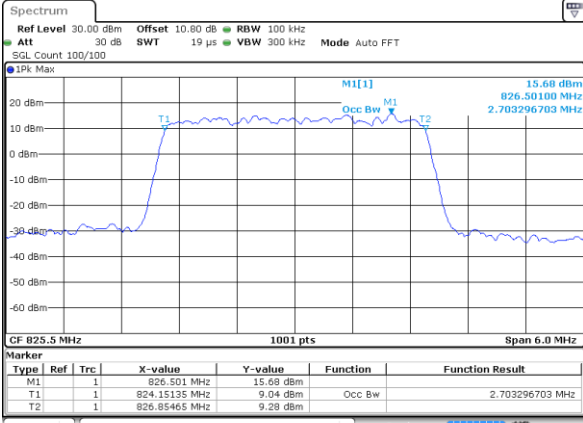




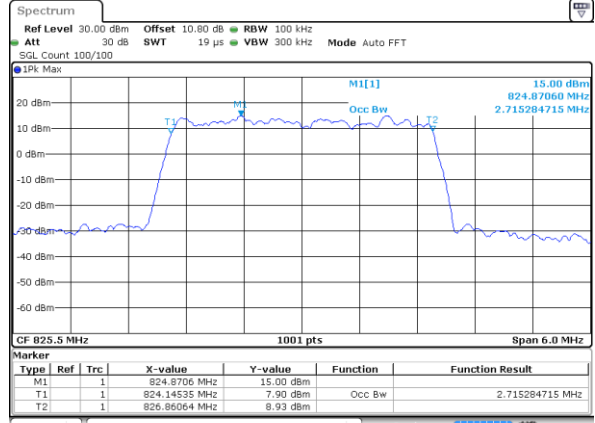
LTE Band 5

Lowest Channel / 3MHz / QPSK



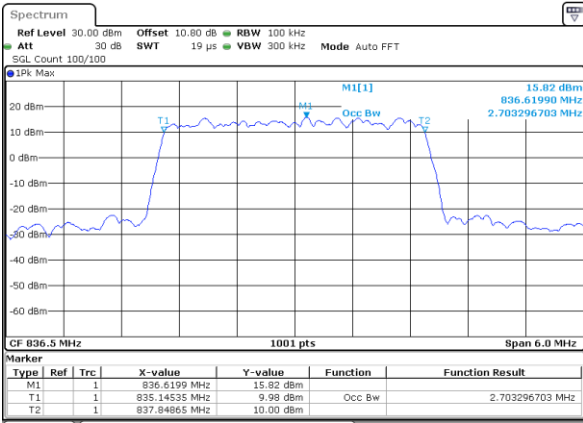
Date: 16 FEB 2020 04:08:52

Lowest Channel / 3MHz / 16QAM



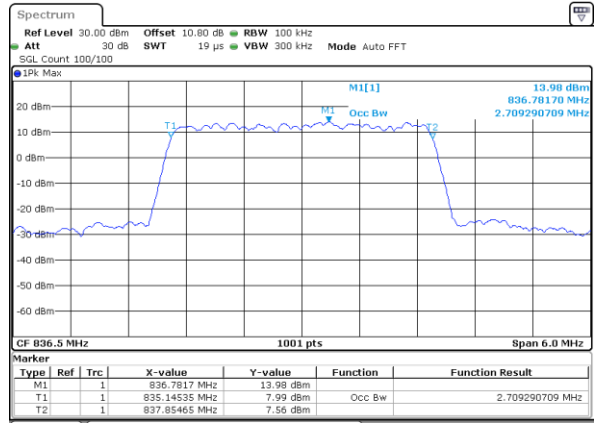
Date: 16 FEB 2020 04:09:04

Middle Channel / 3MHz / QPSK



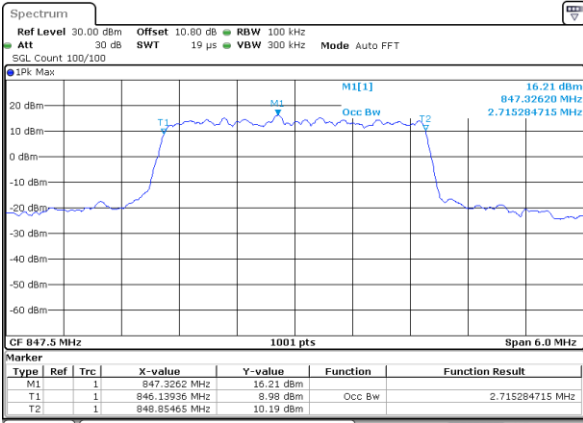
Date: 16 FEB 2020 04:17:43

Middle Channel / 3MHz / 16QAM



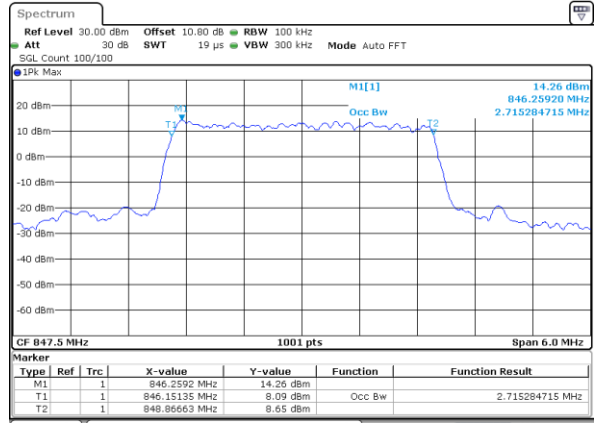
Date: 16 FEB 2020 04:17:55

Highest Channel / 3MHz / QPSK



Date: 16 FEB 2020 04:19:50

Highest Channel / 3MHz / 16QAM

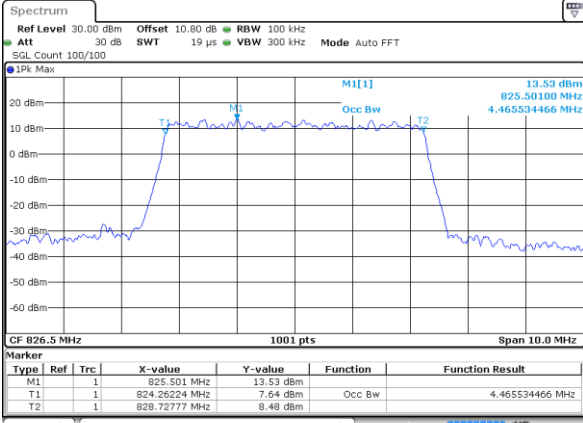


Date: 16 FEB 2020 04:20:02



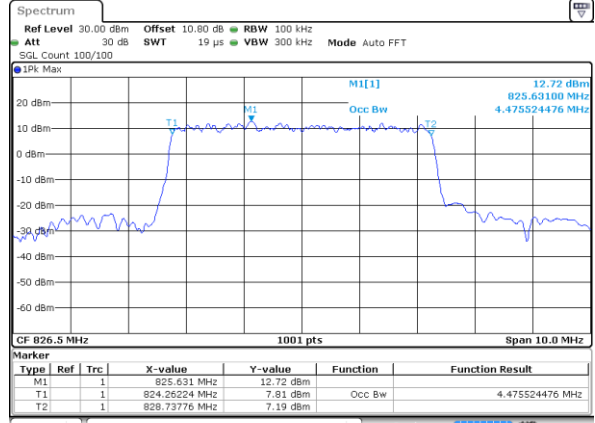
LTE Band 5

Lowest Channel / 5MHz / QPSK



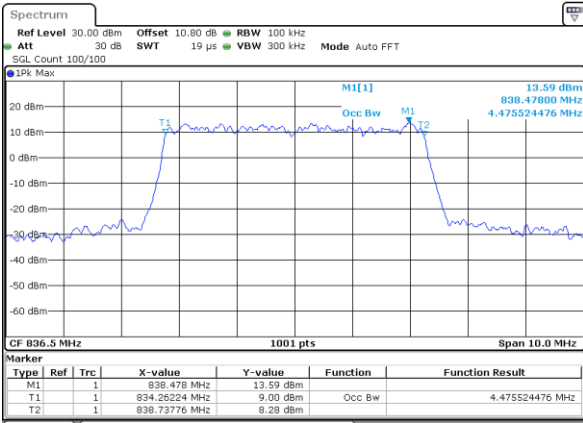
Date: 16 FEB 2020 04:38:37

Lowest Channel / 5MHz / 16QAM



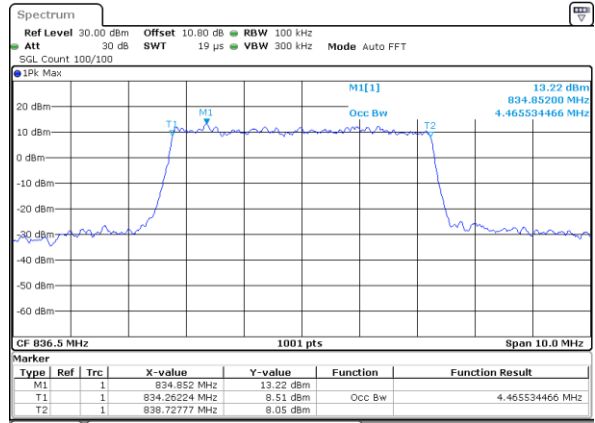
Date: 16 FEB 2020 04:38:49

Middle Channel / 5MHz / QPSK



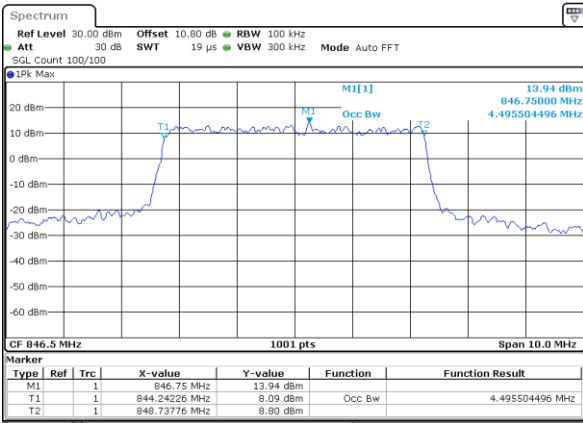
Date: 16 FEB 2020 04:47:29

Middle Channel / 5MHz / 16QAM



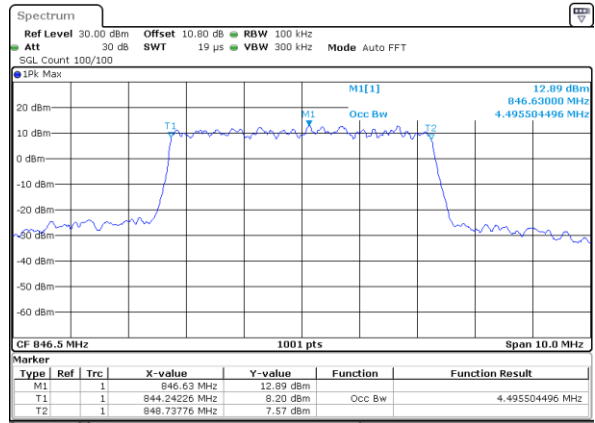
Date: 16 FEB 2020 04:47:40

Highest Channel / 5MHz / QPSK



Date: 16 FEB 2020 04:49:35

Highest Channel / 5MHz / 16QAM

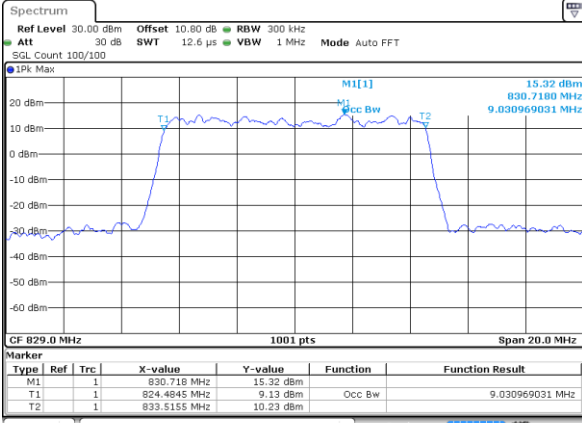


Date: 16 FEB 2020 04:49:47



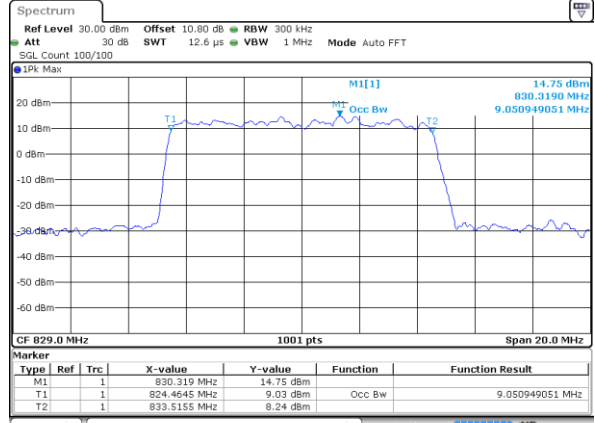
LTE Band 5

Lowest Channel / 10MHz / QPSK



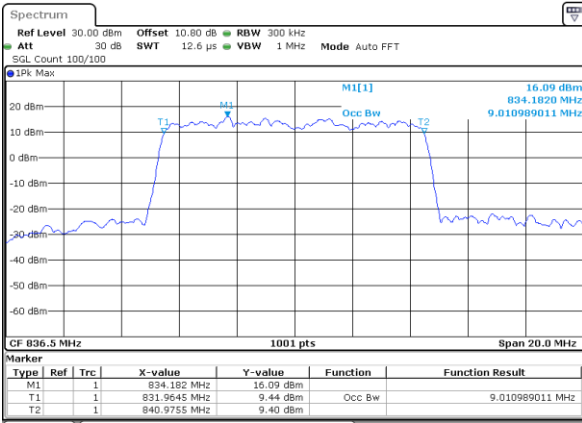
Date: 16 FEB 2020 05:07:41

Lowest Channel / 10MHz / 16QAM



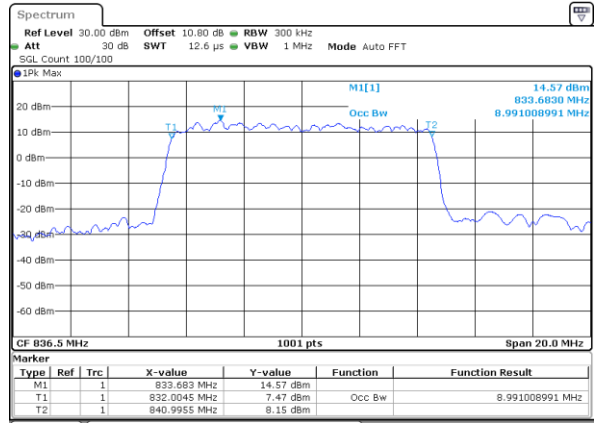
Date: 16 FEB 2020 05:07:53

Middle Channel / 10MHz / QPSK



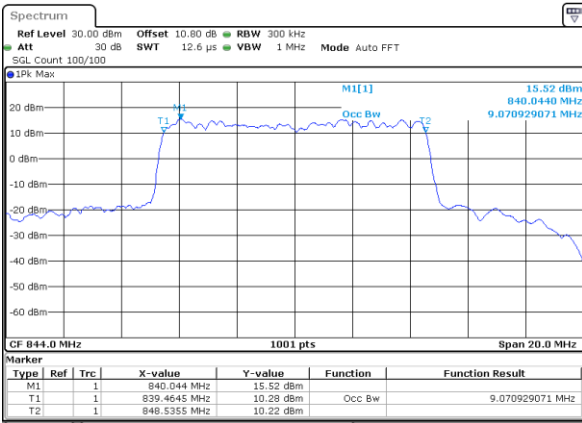
Date: 16 FEB 2020 05:16:33

Middle Channel / 10MHz / 16QAM



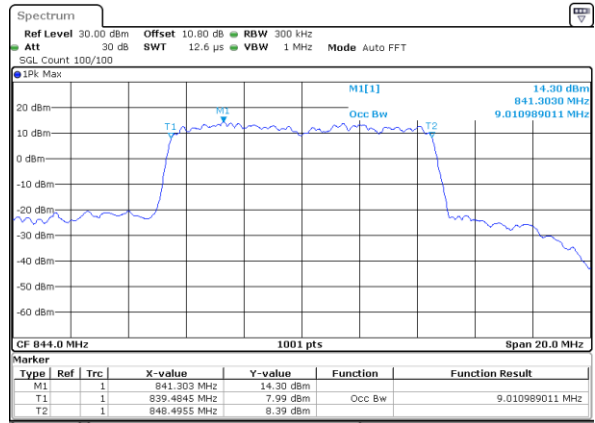
Date: 16 FEB 2020 05:16:44

Highest Channel / 10MHz / QPSK



Date: 16 FEB 2020 05:18:39

Highest Channel / 10MHz / 16QAM

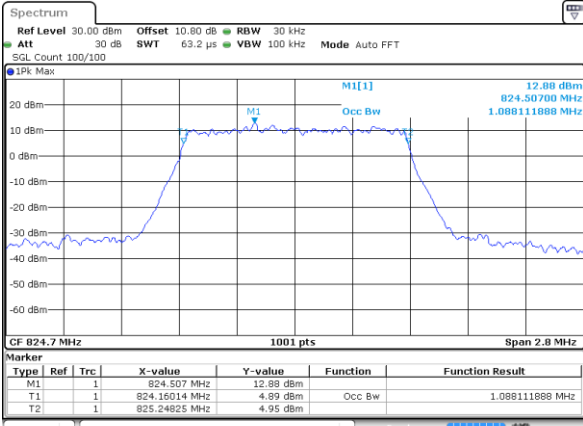


Date: 16 FEB 2020 05:18:51



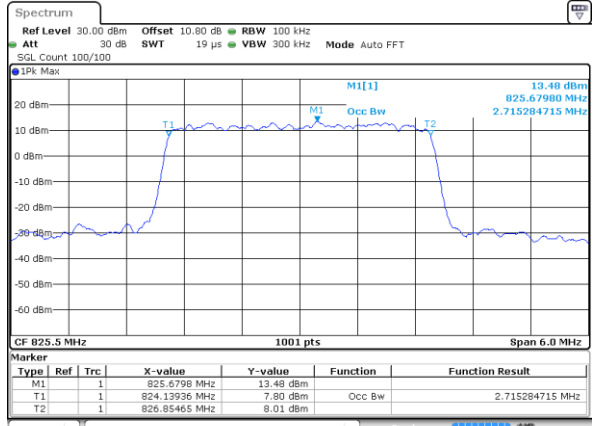
LTE Band 5

Lowest Channel / 1.4MHz / 64QAM



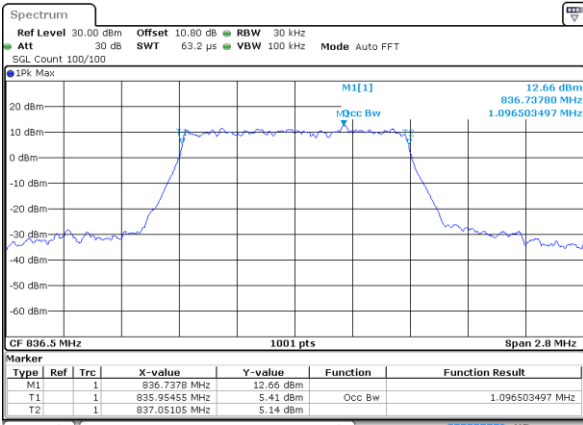
Date: 16 FEB 2020 03:27:12

Lowest Channel / 3MHz / 64QAM



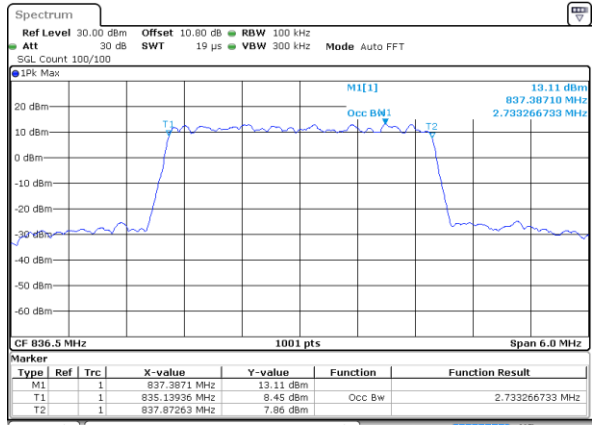
Date: 16 FEB 2020 04:28:42

Middle Channel / 1.4MHz / 64QAM



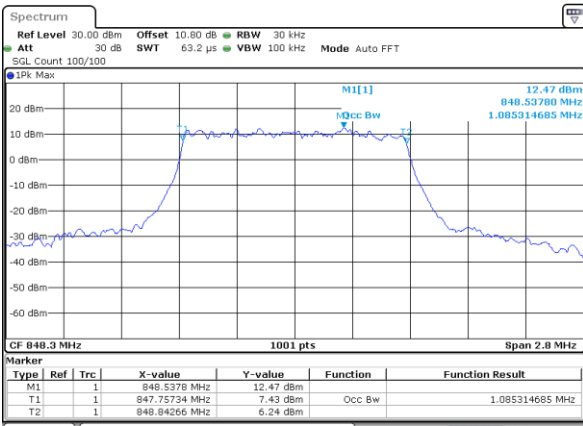
Date: 16 FEB 2020 03:31:38

Middle Channel / 3MHz / 64QAM



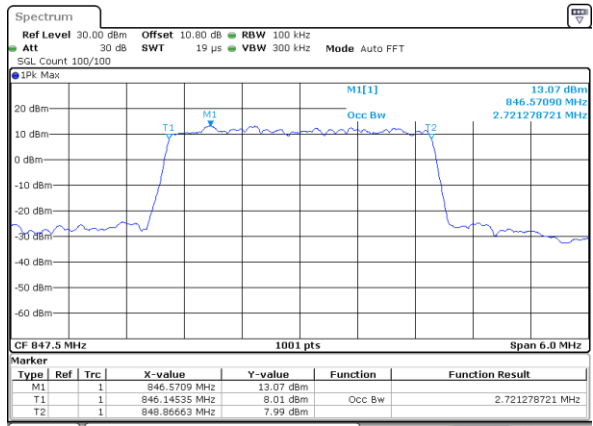
Date: 16 FEB 2020 04:33:08

Highest Channel / 1.4MHz / 64QAM



Date: 16 FEB 2020 03:32:41

Highest Channel / 3MHz / 64QAM

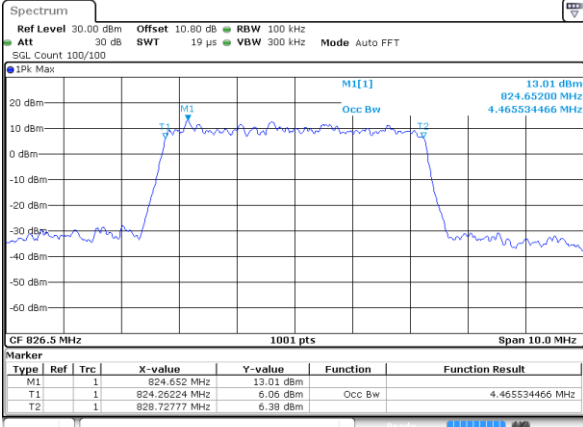


Date: 16 FEB 2020 04:34:11



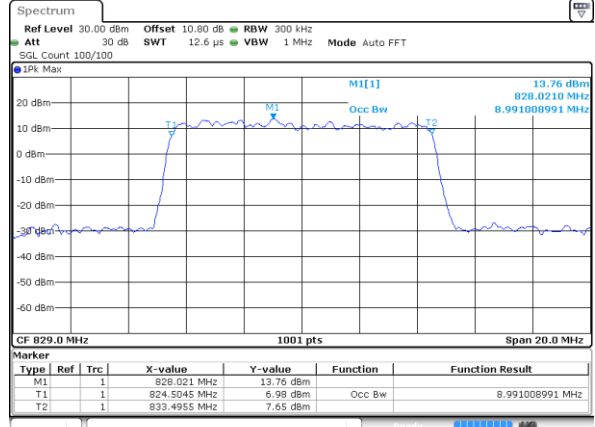
LTE Band 5

Lowest Channel / 5MHz / 64QAM



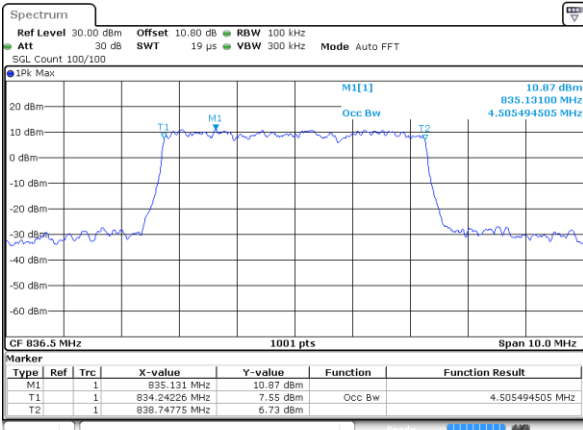
Date: 16 FEB 2020 04:58:27

Lowest Channel / 10MHz / 64QAM



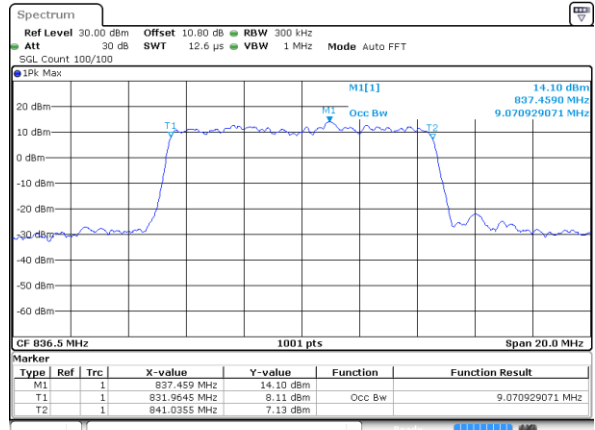
Date: 16 FEB 2020 05:28:12

Middle Channel / 5MHz / 64QAM



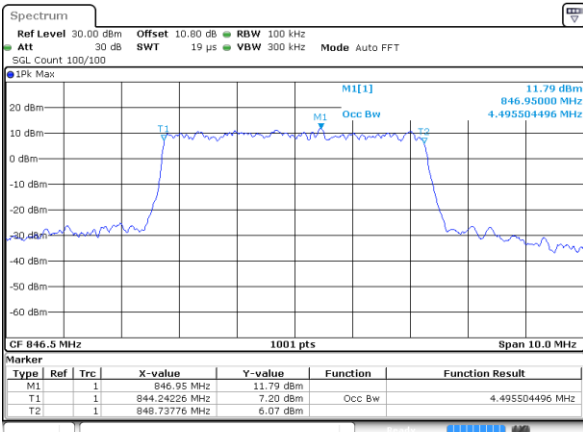
Date: 16 FEB 2020 05:02:52

Middle Channel / 10MHz / 64QAM



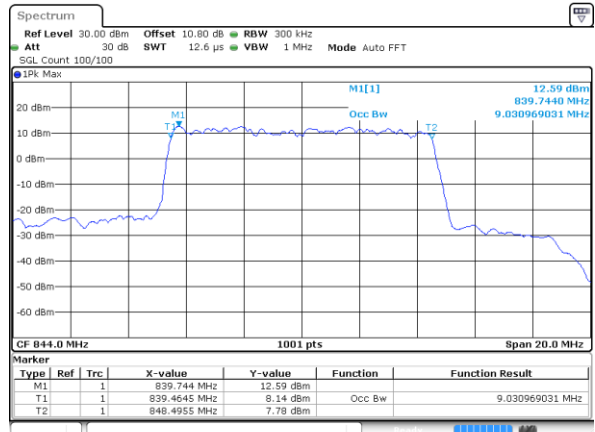
Date: 16 FEB 2020 05:32:38

Highest Channel / 5MHz / 64QAM



Date: 16 FEB 2020 05:03:55

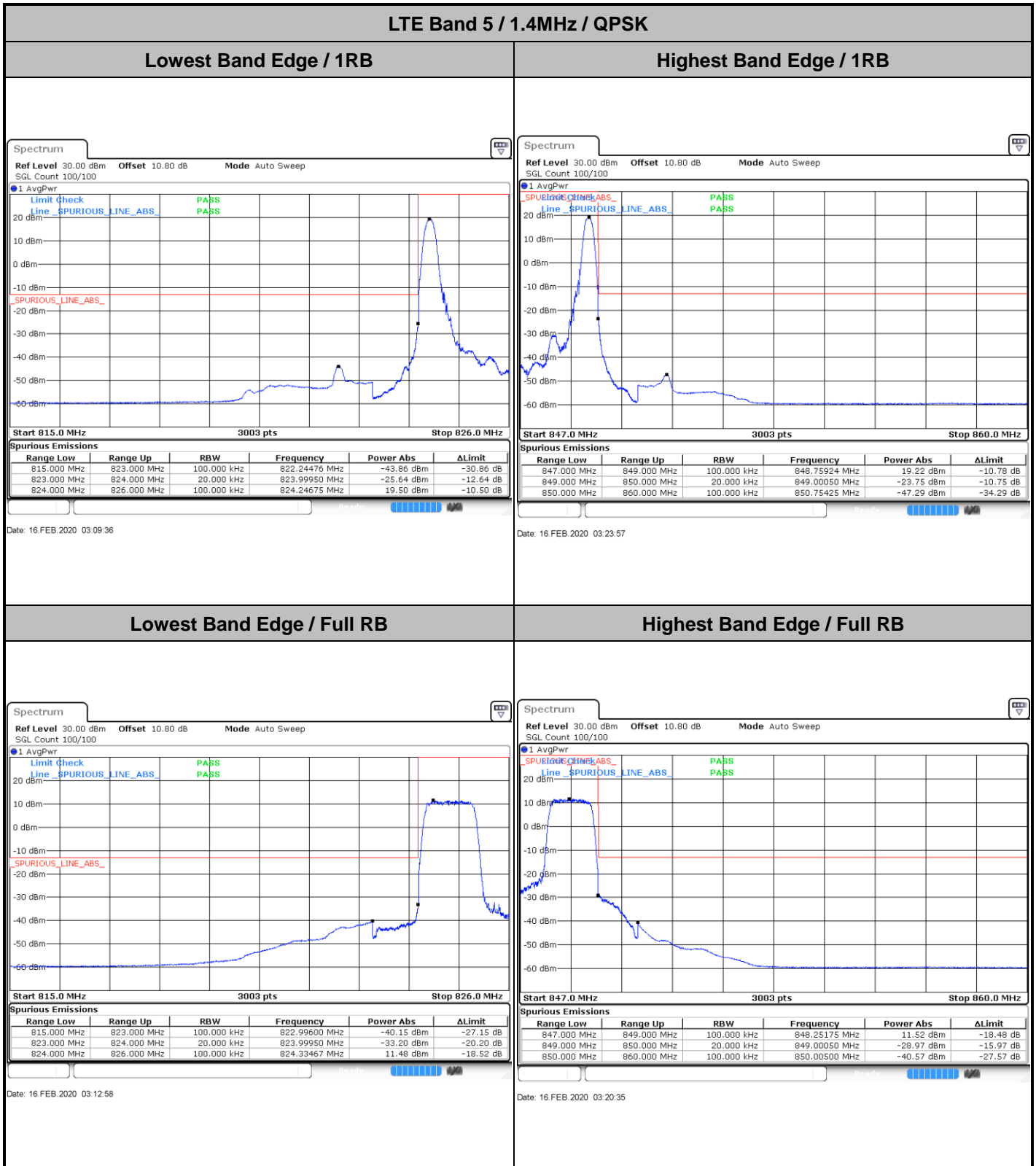
Highest Channel / 10MHz / 64QAM



Date: 16 FEB 2020 05:33:41



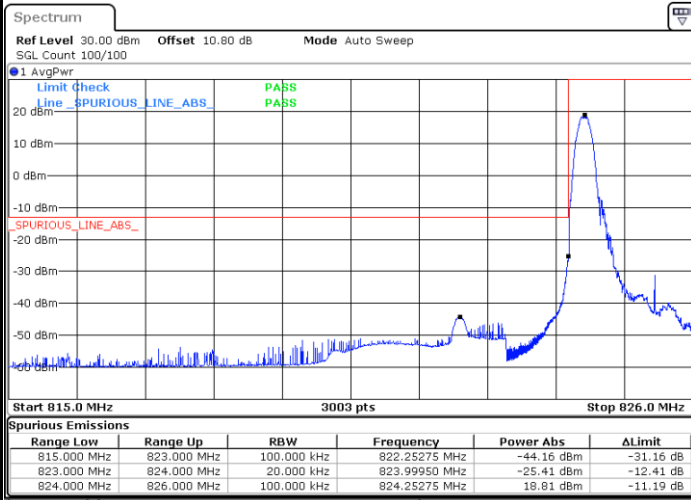
Conducted Band Edge





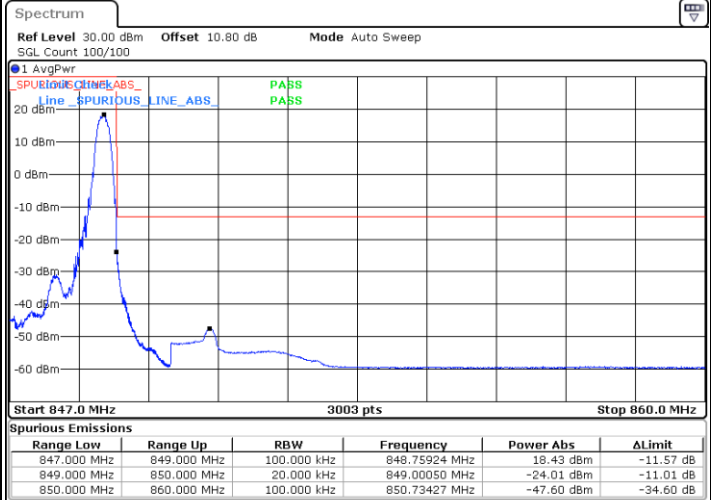
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



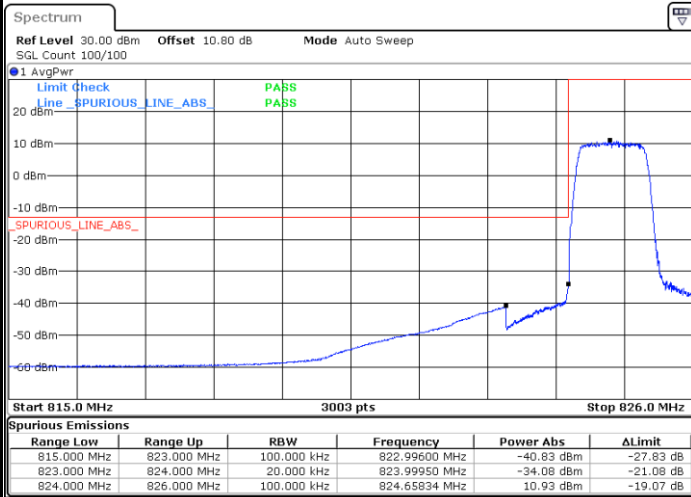
Date: 16.FEB.2020 03:11:17

Highest Band Edge / 1 RB



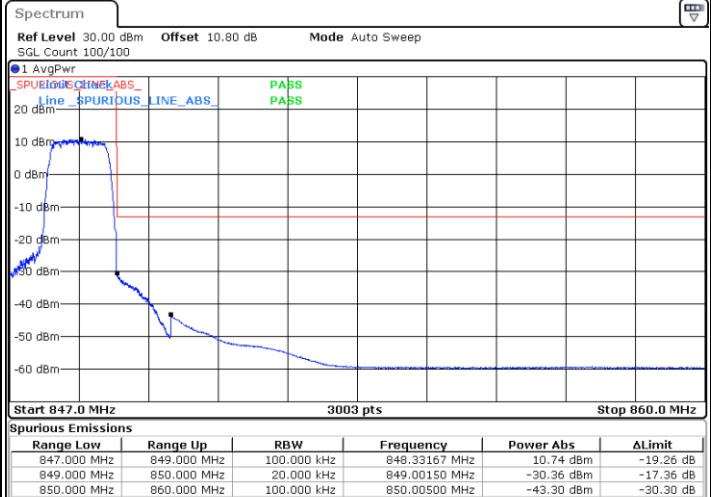
Date: 16.FEB.2020 03:25:37

Lowest Band Edge / Full RB



Date: 16.FEB.2020 03:14:39

Highest Band Edge / Full RB

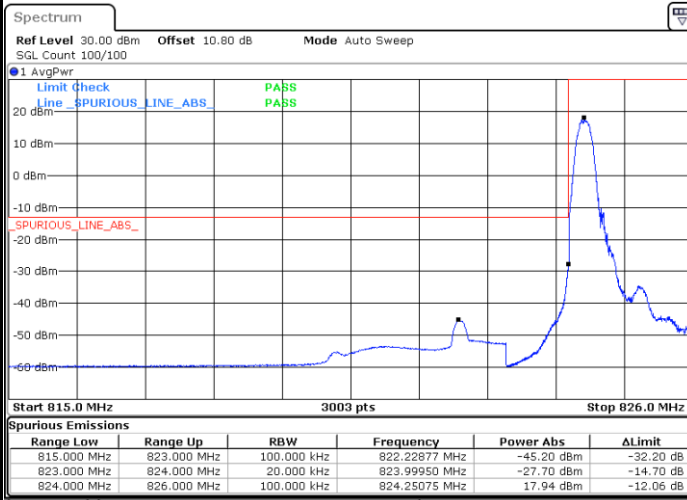


Date: 16.FEB.2020 03:22:16



LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



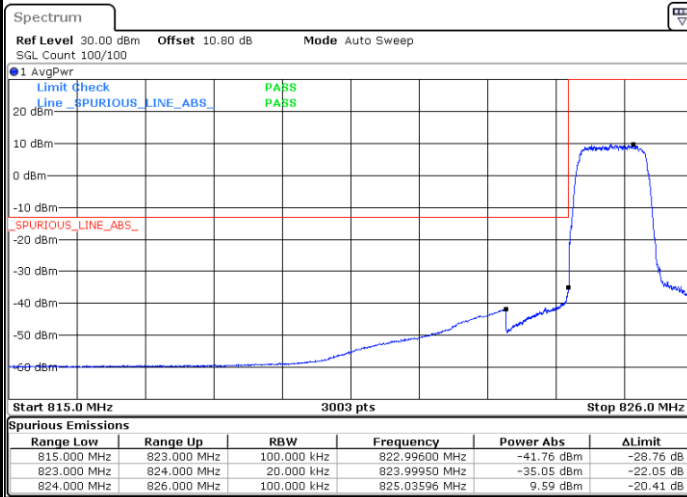
Date: 16.FEB.2020 03:29:04

Highest Band Edge / 1 RB



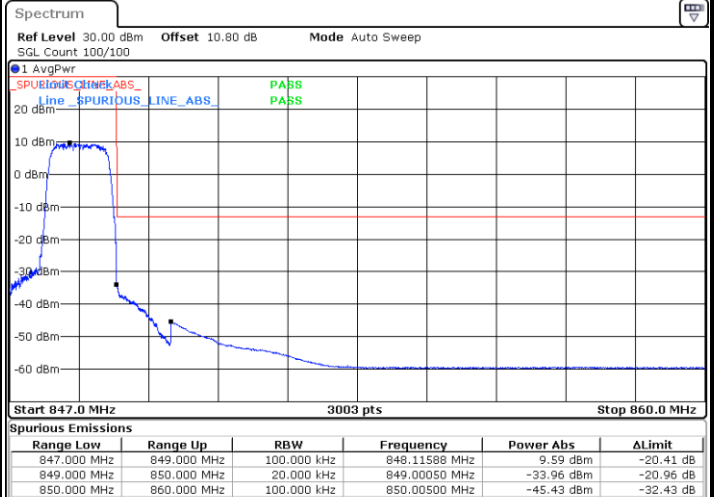
Date: 16.FEB.2020 03:36:14

Lowest Band Edge / Full RB



Date: 16.FEB.2020 03:30:45

Highest Band Edge / Full RB

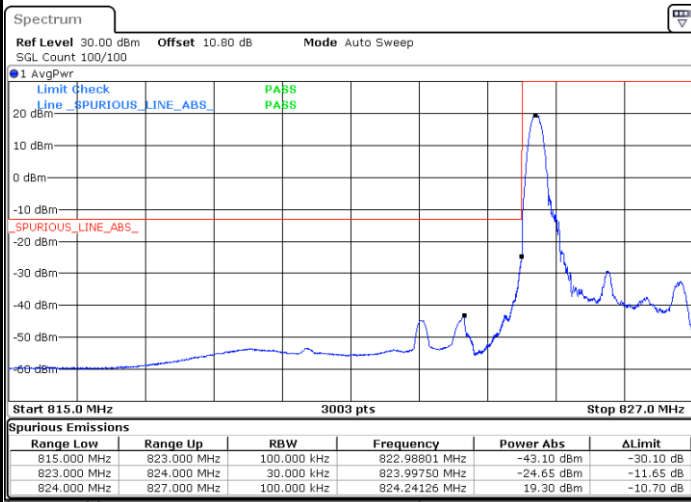


Date: 16.FEB.2020 03:34:33



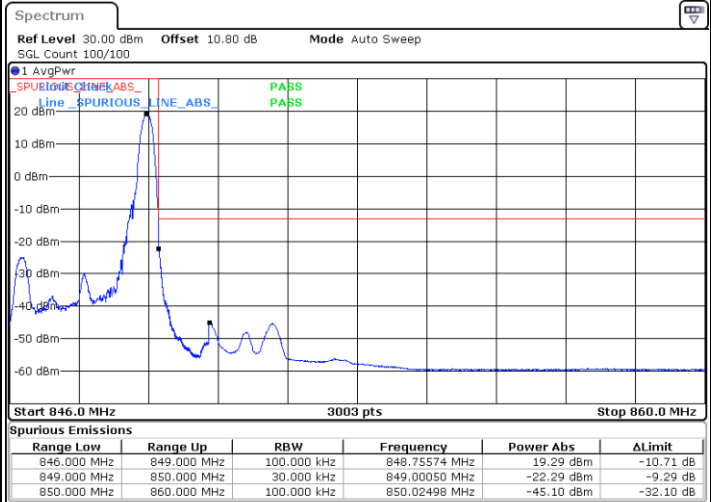
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



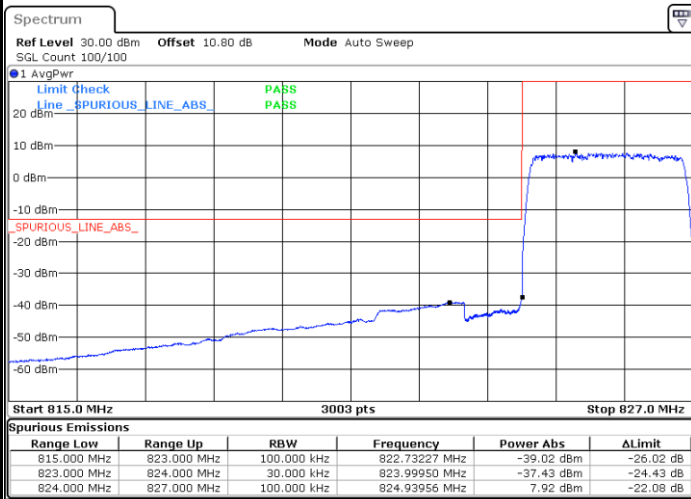
Date: 16.FEB.2020 04:11:08

Highest Band Edge / 1 RB



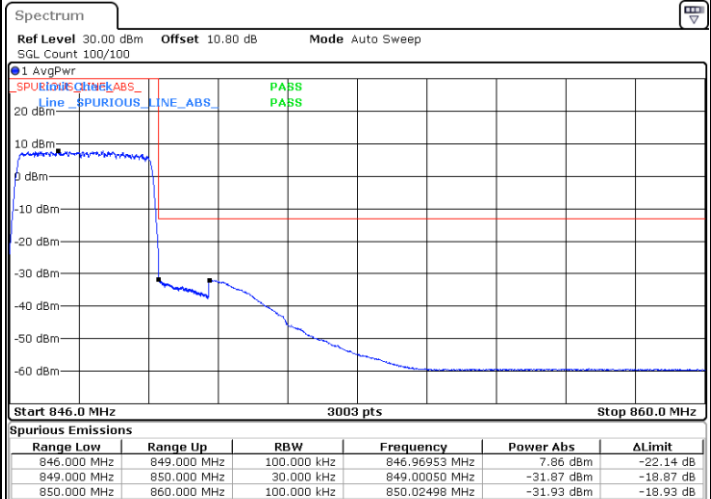
Date: 16.FEB.2020 04:22:06

Lowest Band Edge / Full RB



Date: 16.FEB.2020 04:14:29

Highest Band Edge / Full RB

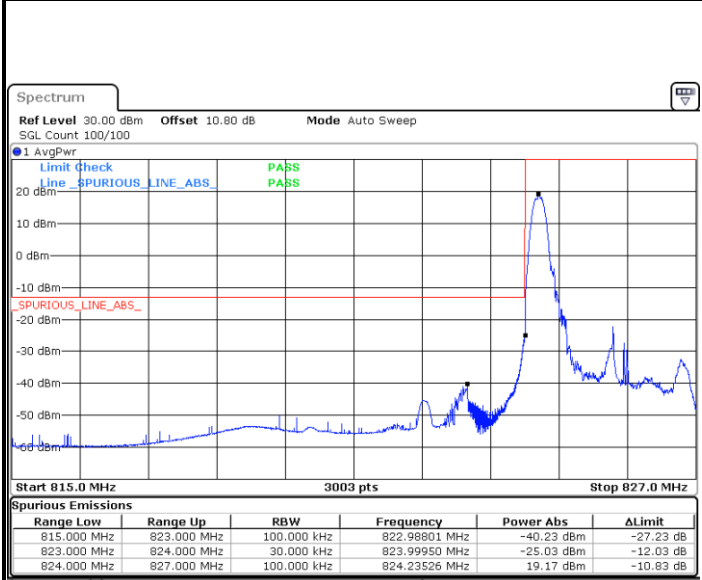


Date: 16.FEB.2020 04:25:28



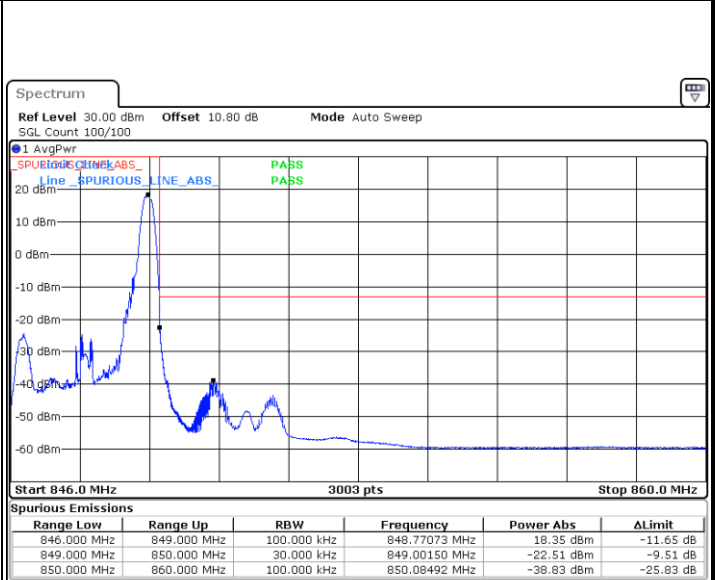
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



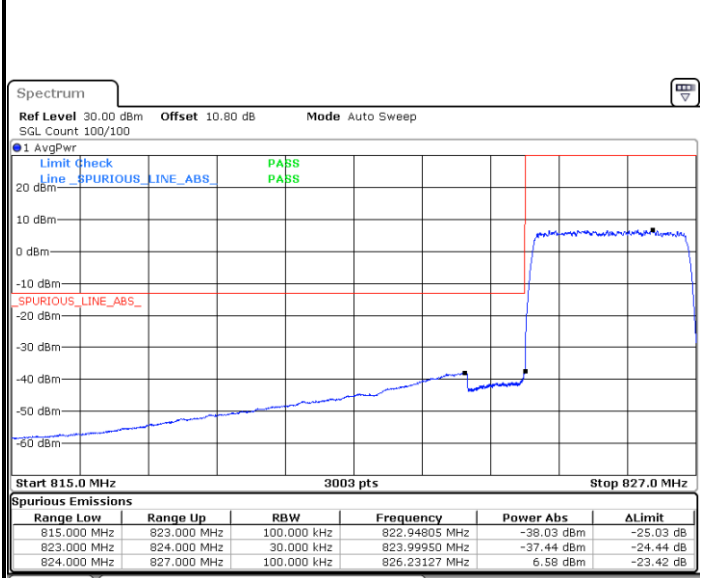
Date: 16.FEB.2020 04:12:48

Highest Band Edge / 1 RB



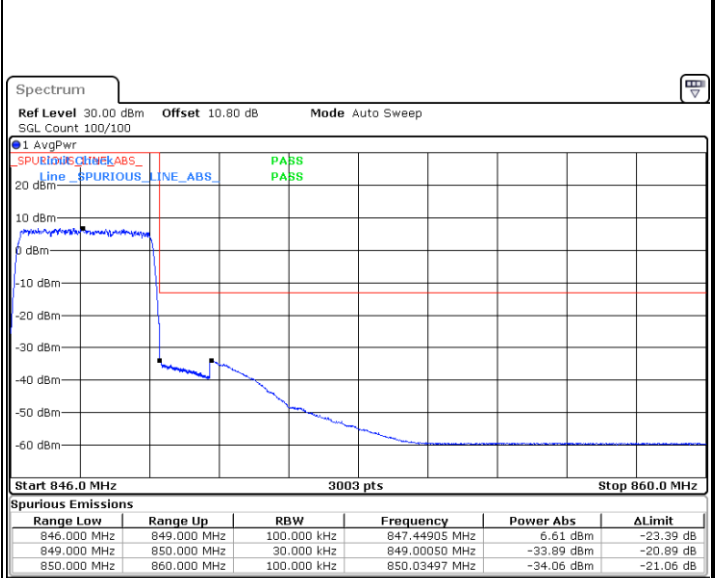
Date: 16.FEB.2020 04:23:47

Lowest Band Edge / Full RB



Date: 16.FEB.2020 04:16:10

Highest Band Edge / Full RB

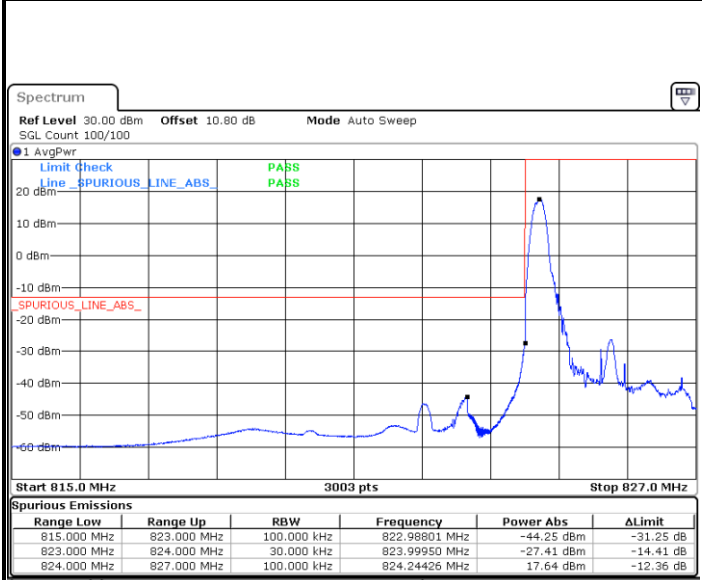


Date: 16.FEB.2020 04:27:08



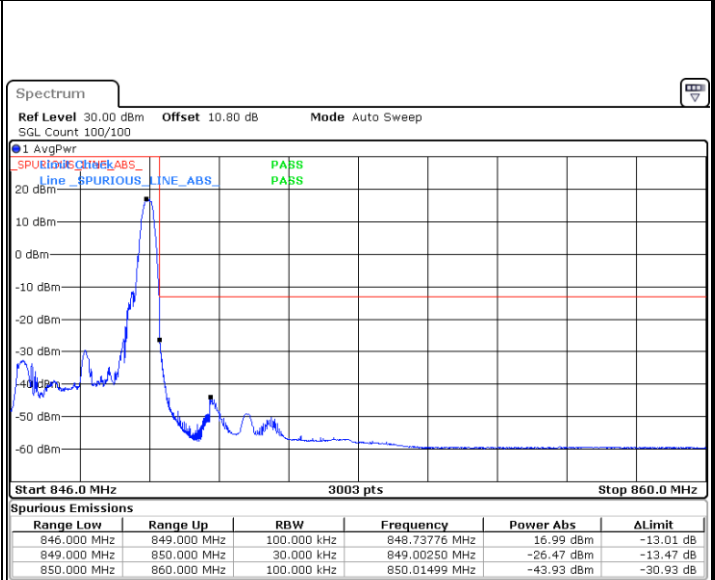
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



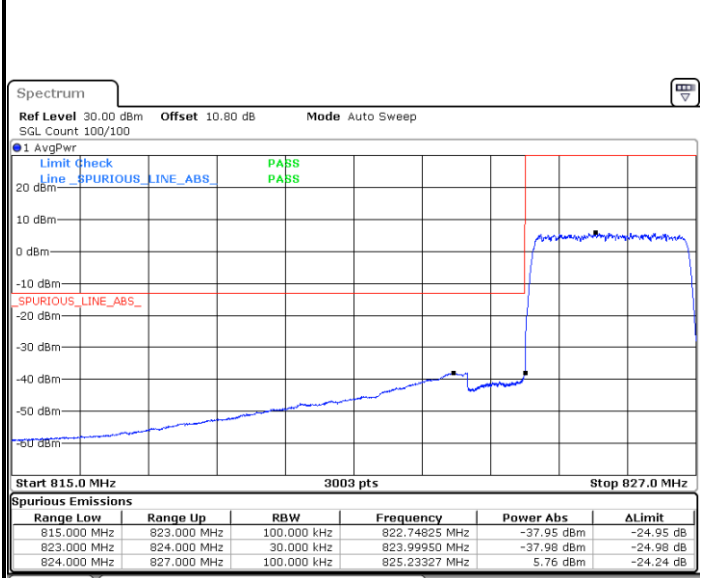
Date: 16.FEB.2020 04:30:34

Highest Band Edge / 1 RB



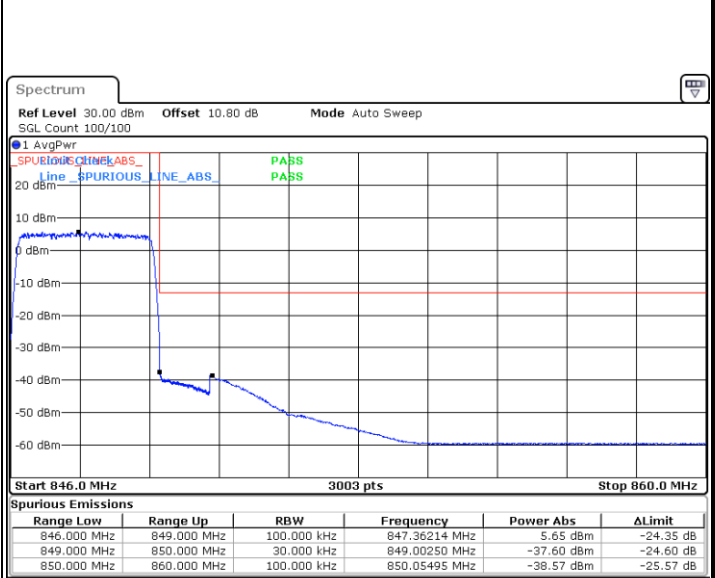
Date: 16.FEB.2020 04:36:03

Lowest Band Edge / Full RB



Date: 16.FEB.2020 04:32:15

Highest Band Edge / Full RB

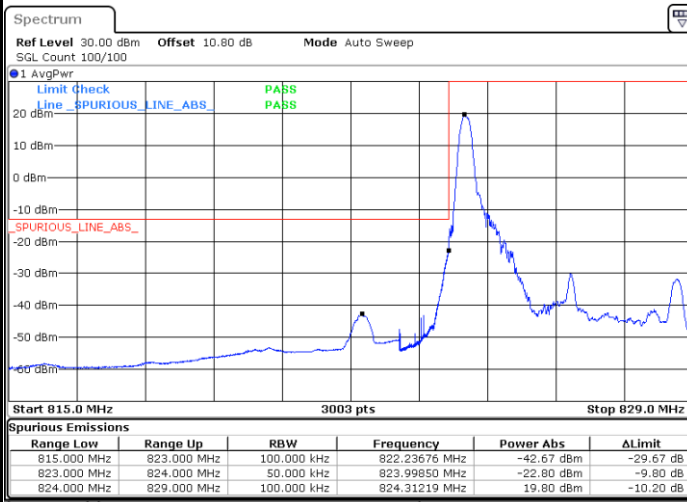


Date: 16.FEB.2020 04:37:44



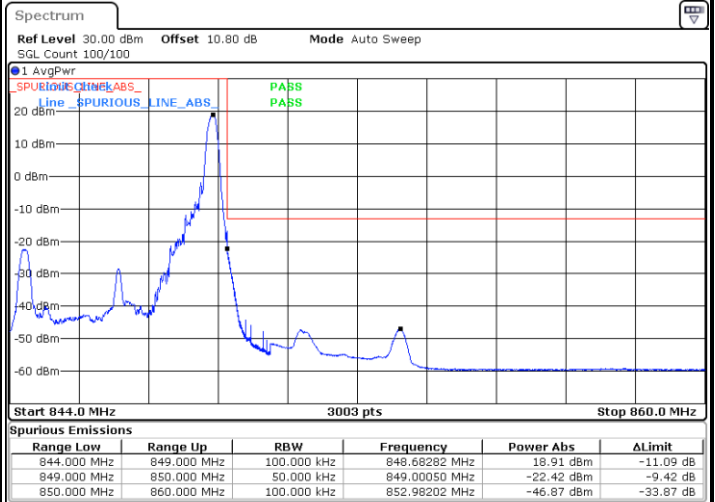
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



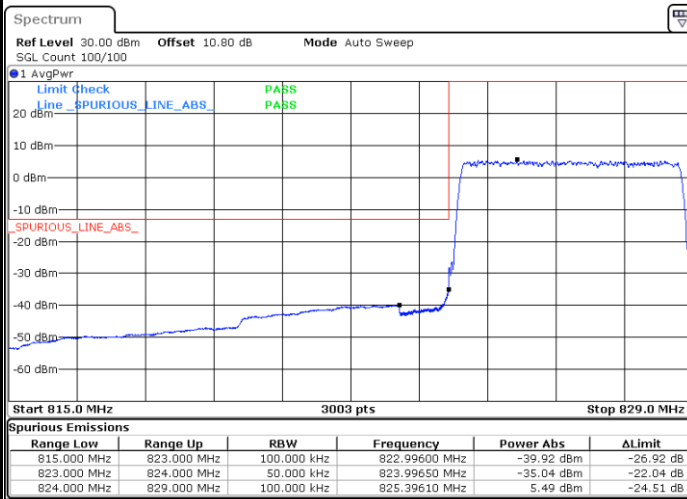
Date: 16.FEB.2020 04:40:53

Highest Band Edge / 1 RB



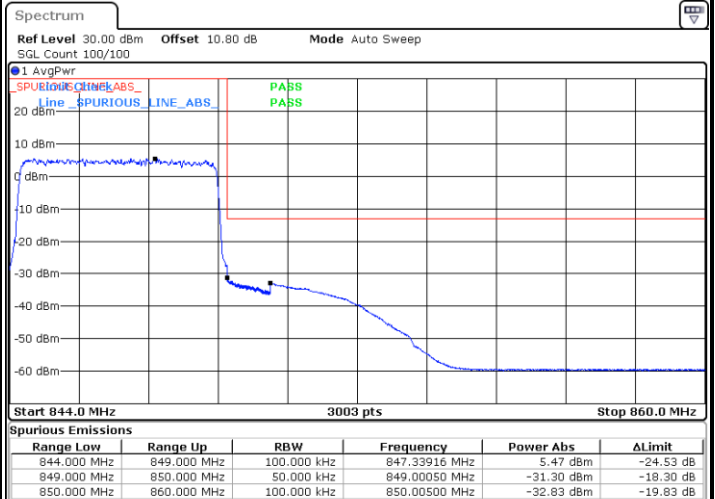
Date: 16.FEB.2020 04:51:51

Lowest Band Edge / Full RB



Date: 16.FEB.2020 04:44:15

Highest Band Edge / Full RB

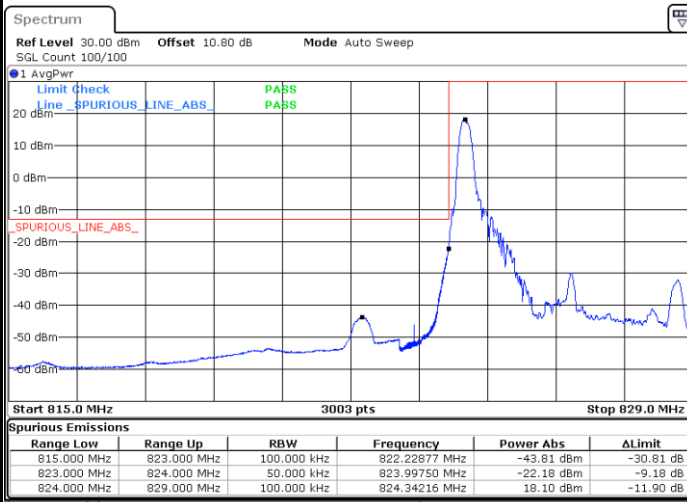


Date: 16.FEB.2020 04:55:13



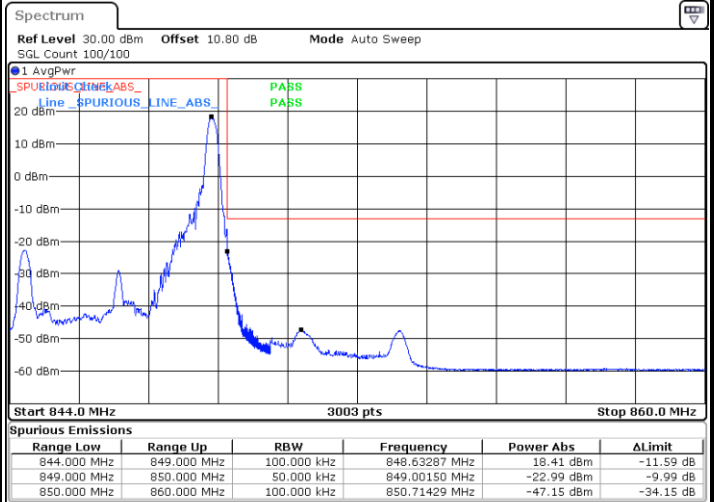
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



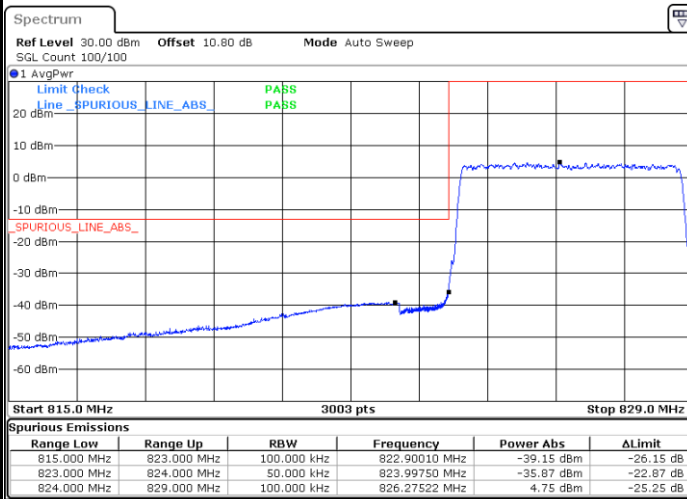
Date: 16.FEB.2020 04:42:34

Highest Band Edge / 1 RB



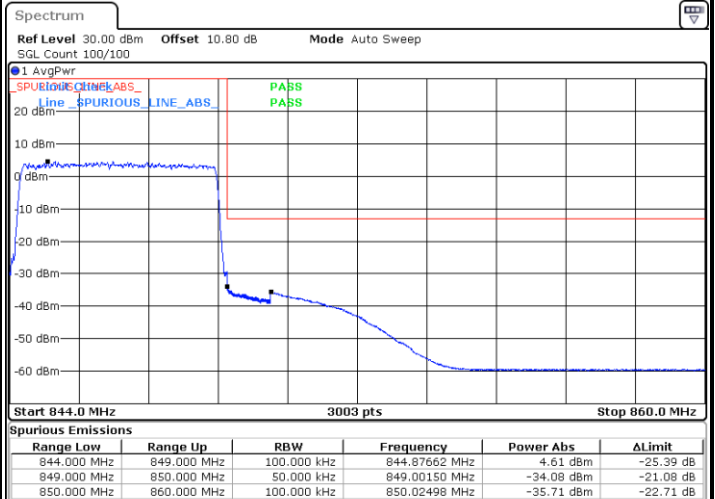
Date: 16.FEB.2020 04:53:32

Lowest Band Edge / Full RB



Date: 16.FEB.2020 04:45:55

Highest Band Edge / Full RB

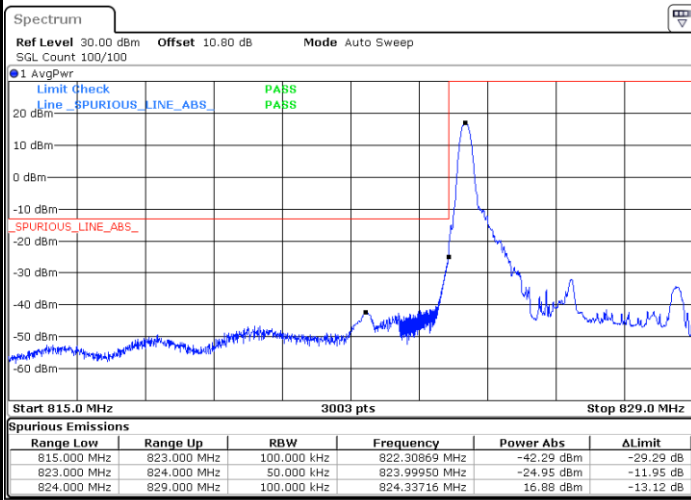


Date: 16.FEB.2020 04:56:53



LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



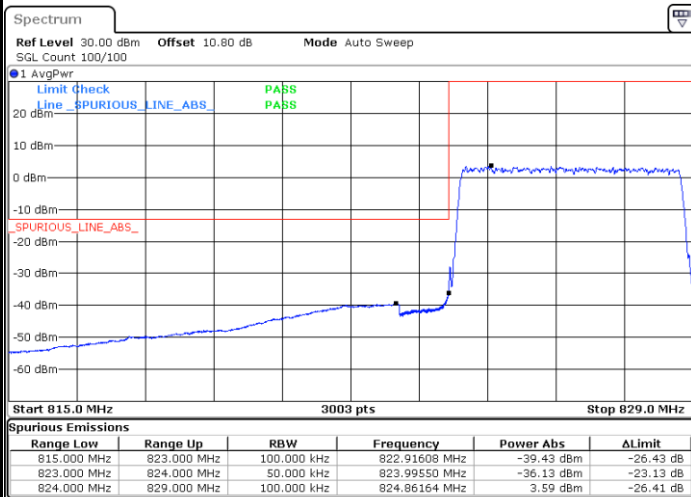
Date: 16.FEB.2020 05:45:19

Highest Band Edge / 1 RB



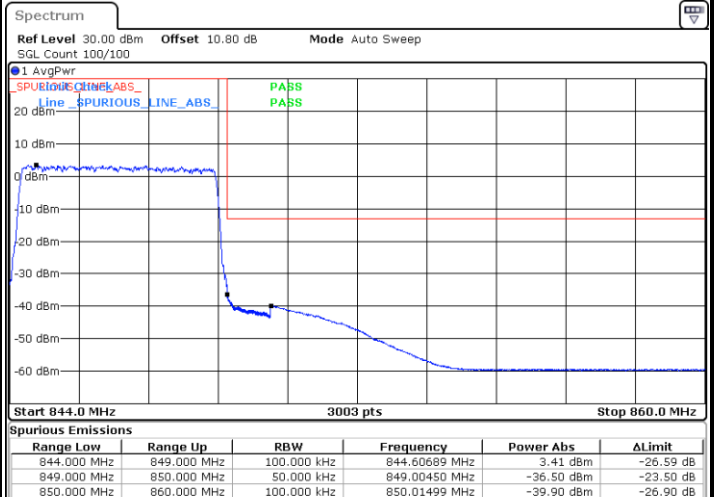
Date: 16.FEB.2020 05:05:48

Lowest Band Edge / Full RB



Date: 16.FEB.2020 05:02:00

Highest Band Edge / Full RB

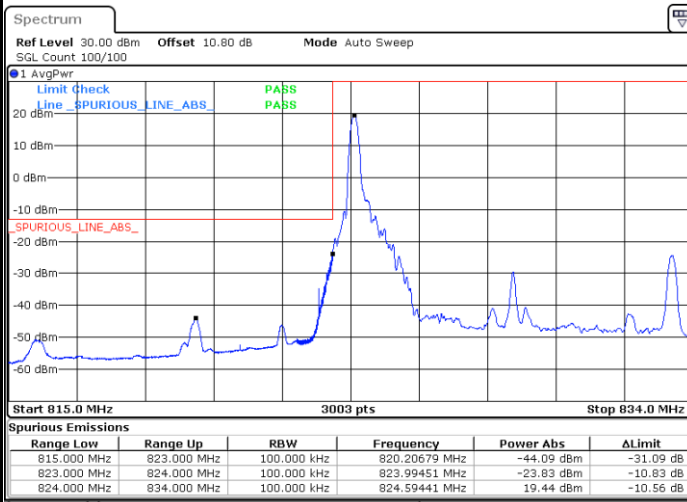


Date: 16.FEB.2020 05:07:28



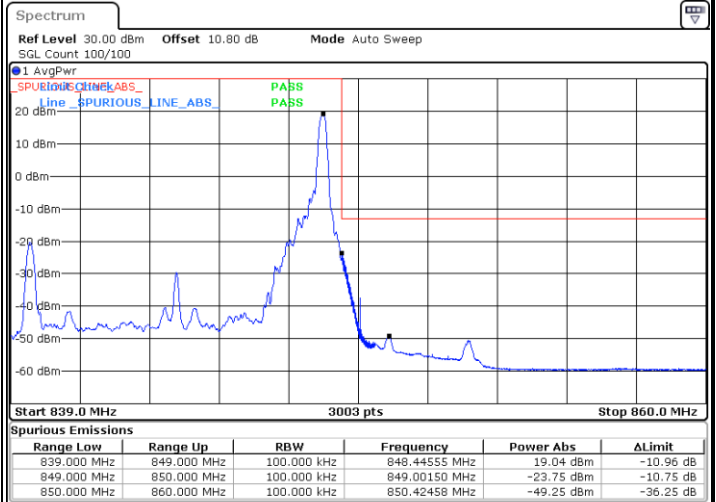
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



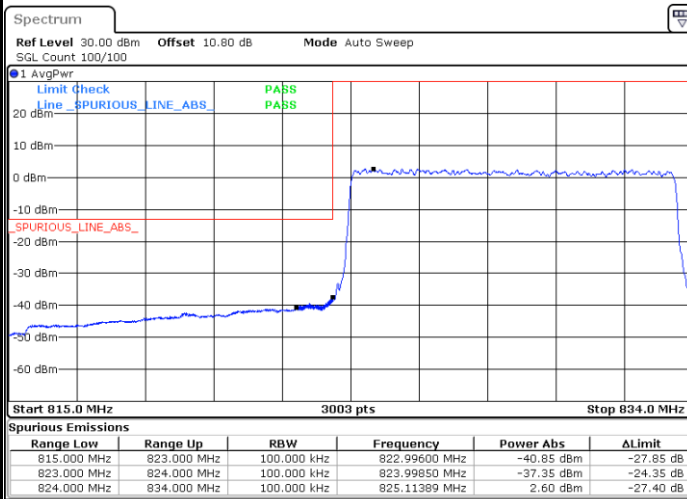
Date: 16.FEB.2020 05:09:57

Highest Band Edge / 1 RB



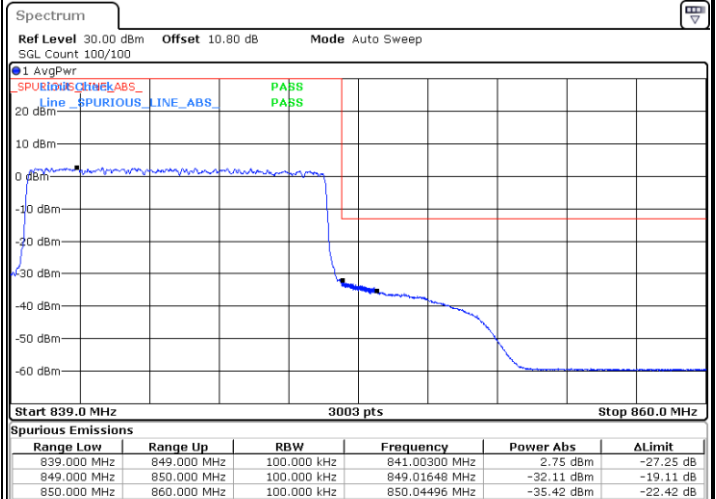
Date: 16.FEB.2020 05:20:55

Lowest Band Edge / Full RB



Date: 16.FEB.2020 05:13:18

Highest Band Edge / Full RB

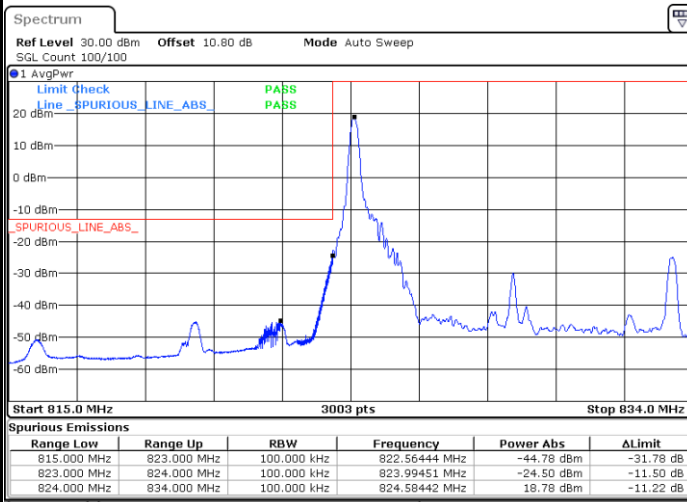


Date: 16.FEB.2020 05:24:16



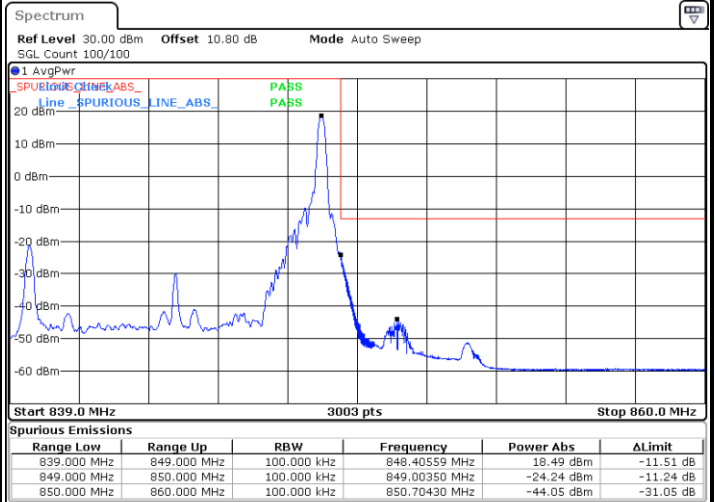
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



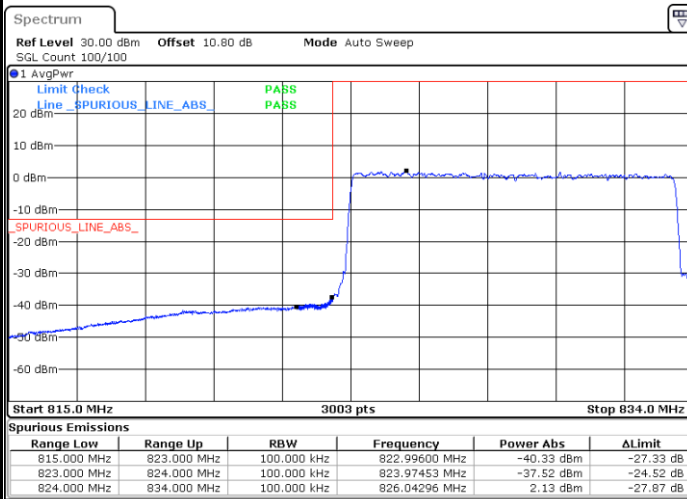
Date: 16.FEB.2020 05:11:38

Highest Band Edge / 1 RB



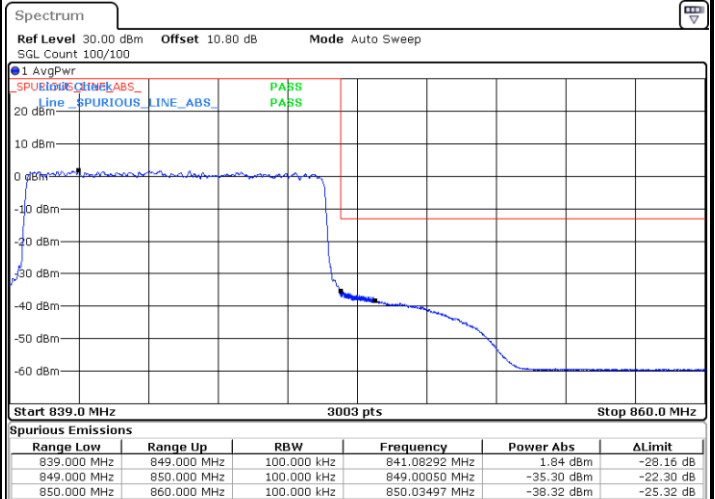
Date: 16.FEB.2020 05:22:36

Lowest Band Edge / Full RB



Date: 16.FEB.2020 05:14:59

Highest Band Edge / Full RB

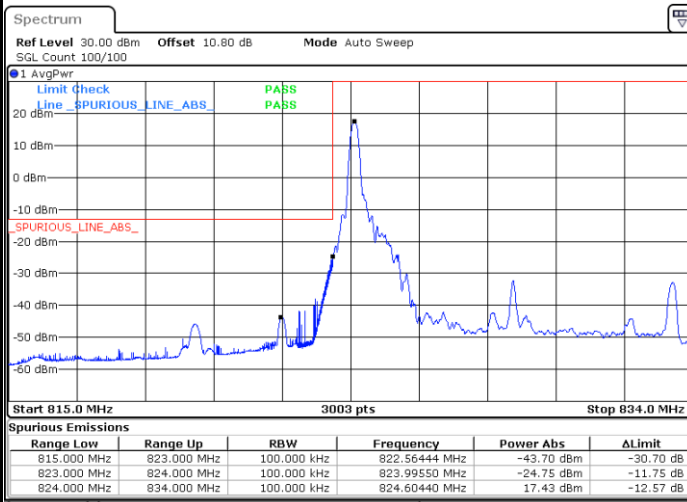


Date: 16.FEB.2020 05:25:57



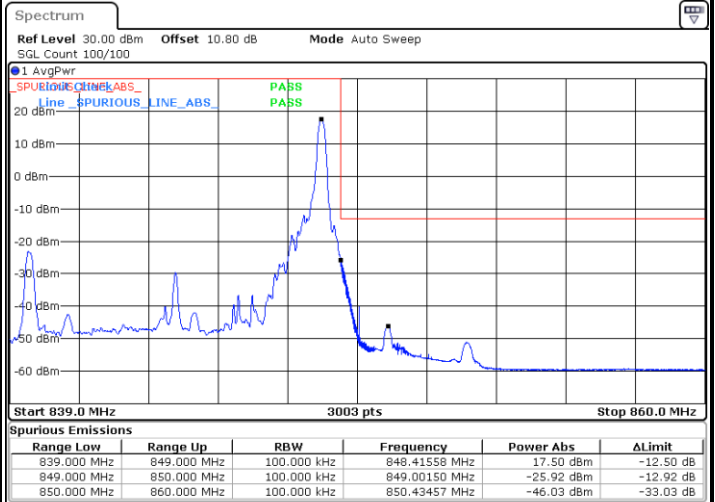
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



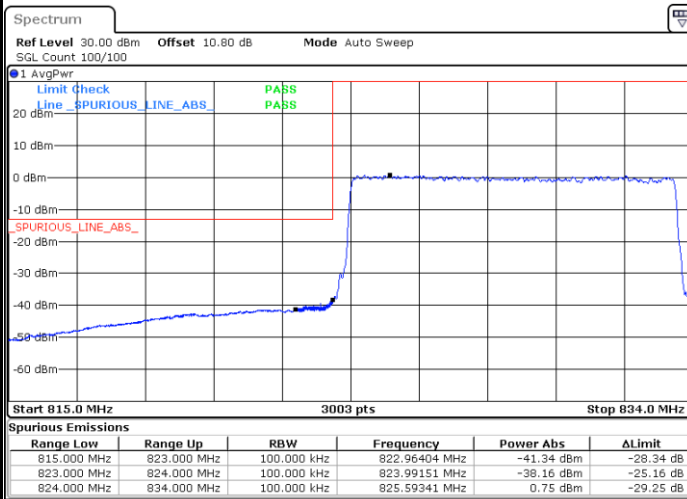
Date: 16.FEB.2020 05:30:04

Highest Band Edge / 1 RB



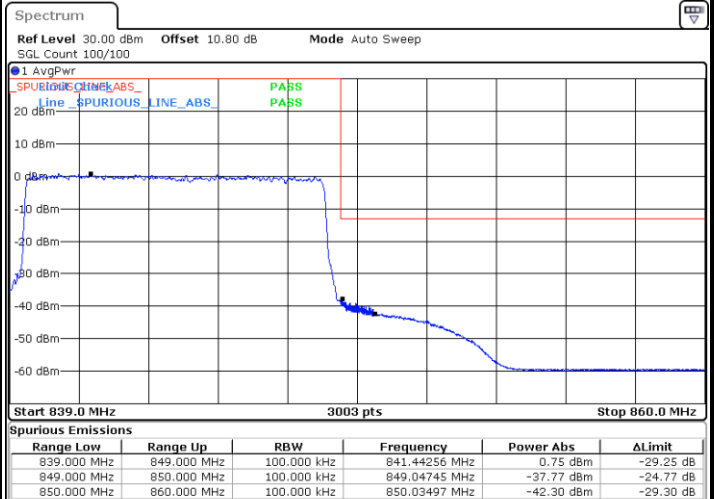
Date: 16.FEB.2020 05:35:33

Lowest Band Edge / Full RB



Date: 16.FEB.2020 05:31:45

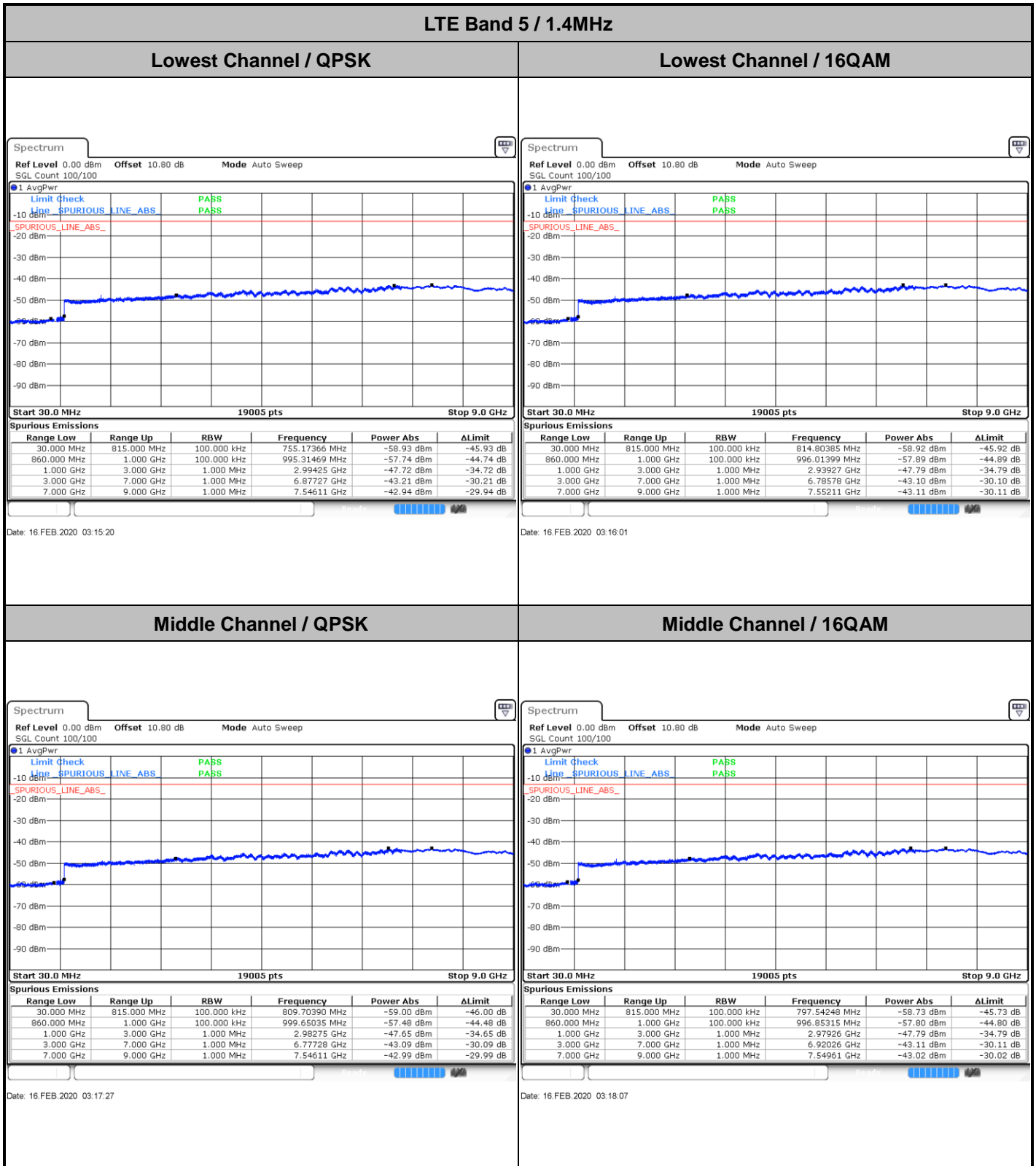
Highest Band Edge / Full RB



Date: 16.FEB.2020 05:37:14



Conducted Spurious Emission

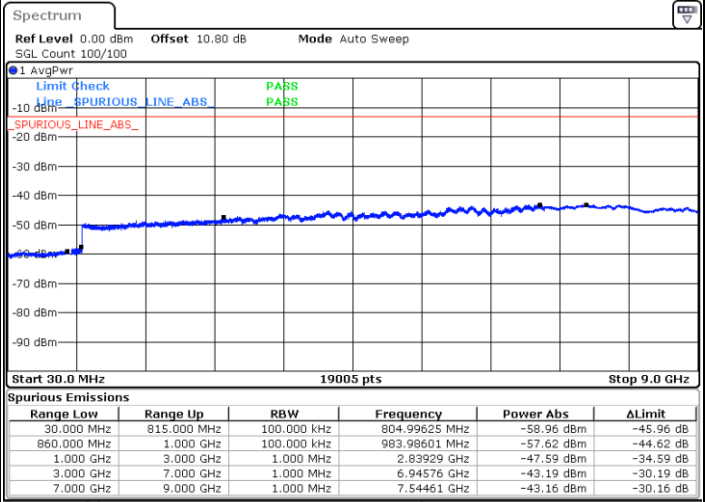
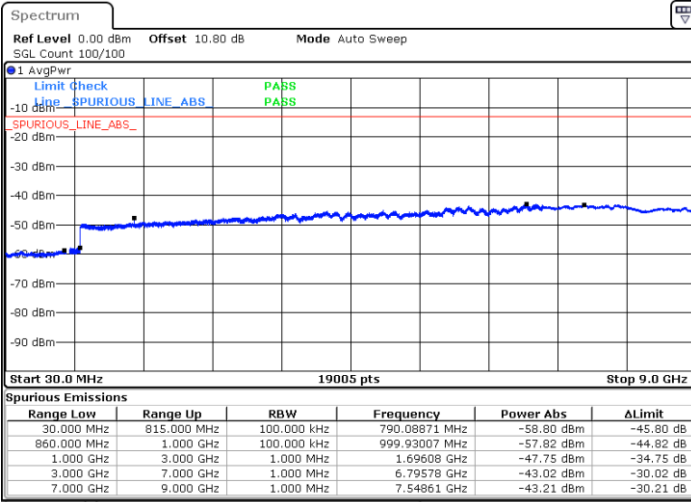




LTE Band 5 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



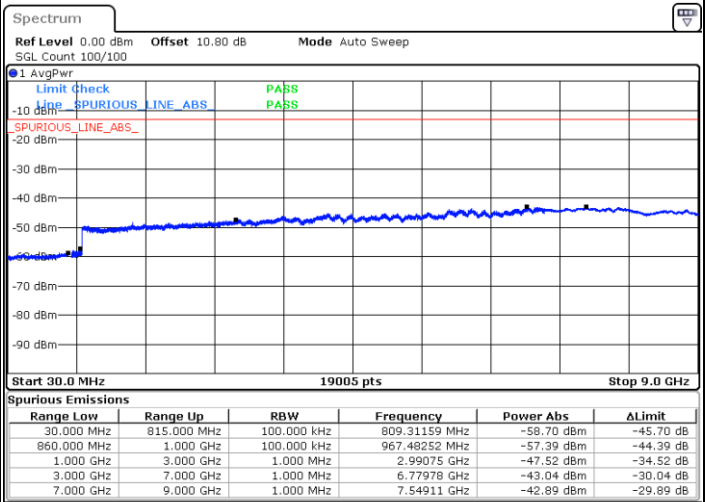
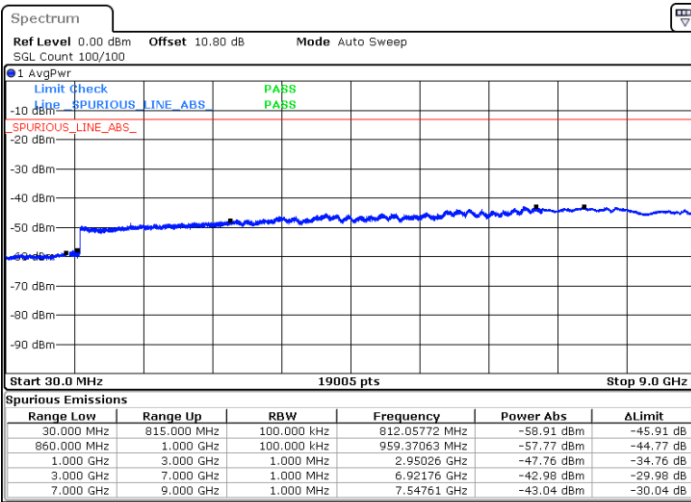
Date: 16.FEB.2020 03:26:19

Date: 16.FEB.2020 03:27:00

LTE Band 5 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 16.FEB.2020 04:16:51

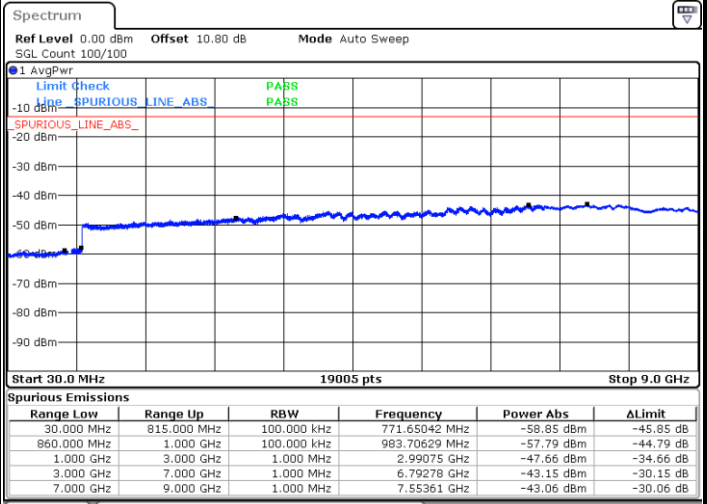
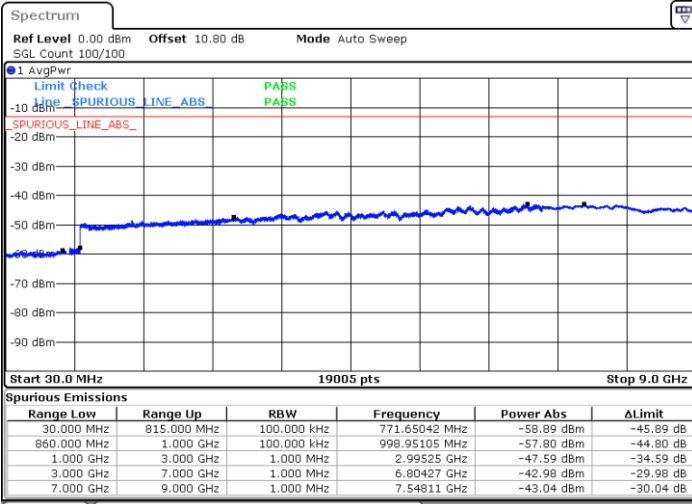
Date: 16.FEB.2020 04:17:32



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

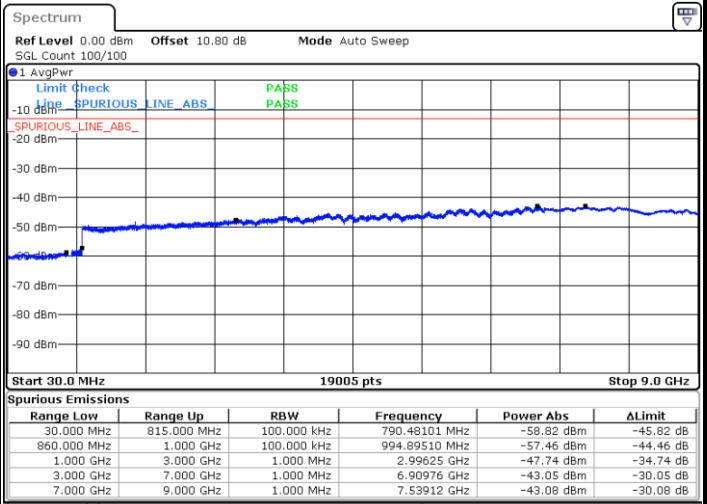
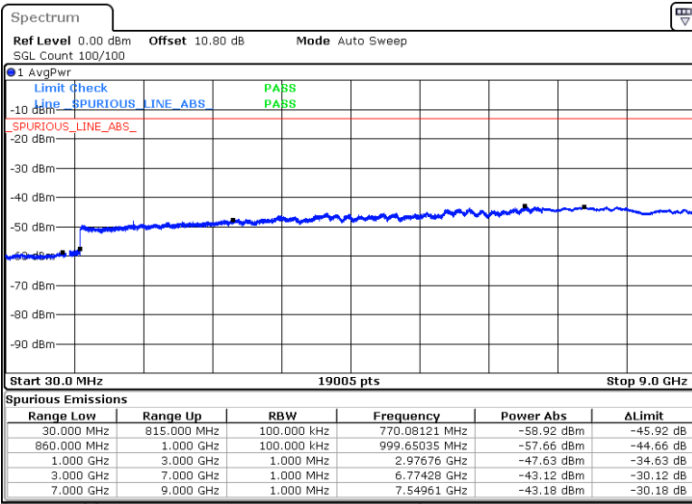


Date: 16.FEB.2020 04:18:58

Date: 16.FEB.2020 04:19:38

Highest Channel / QPSK

Highest Channel / 16QAM



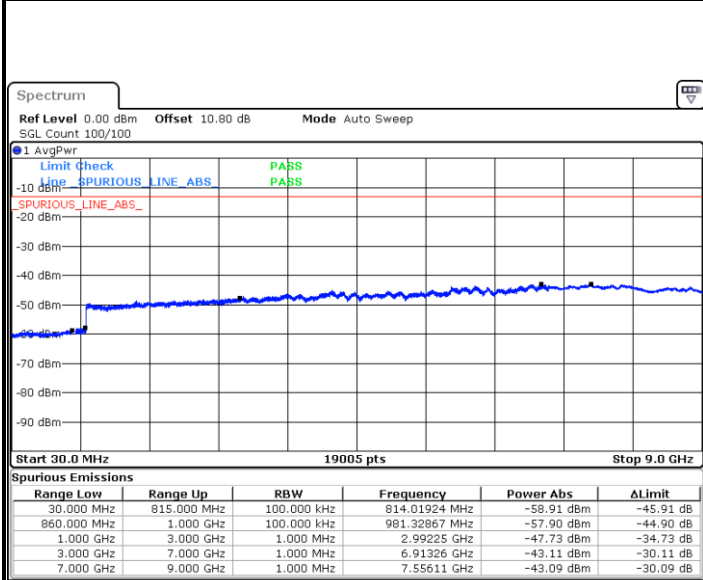
Date: 16.FEB.2020 04:27:50

Date: 16.FEB.2020 04:28:30



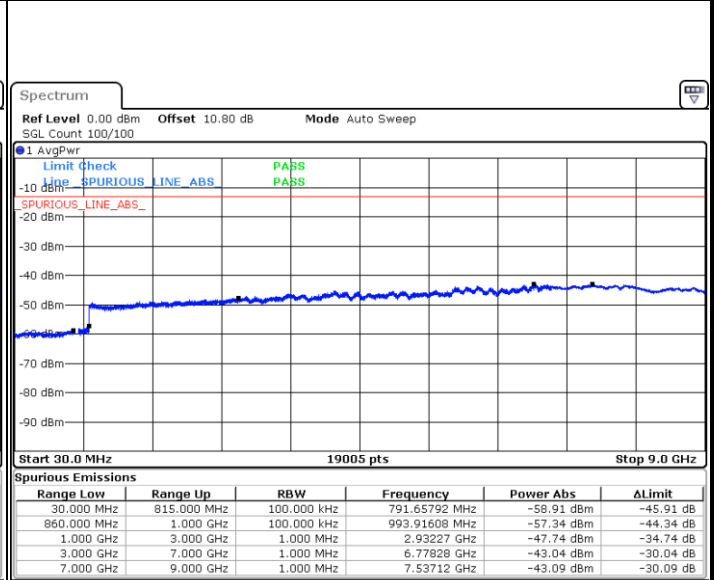
LTE Band 5 / 5MHz

Lowest Channel / QPSK



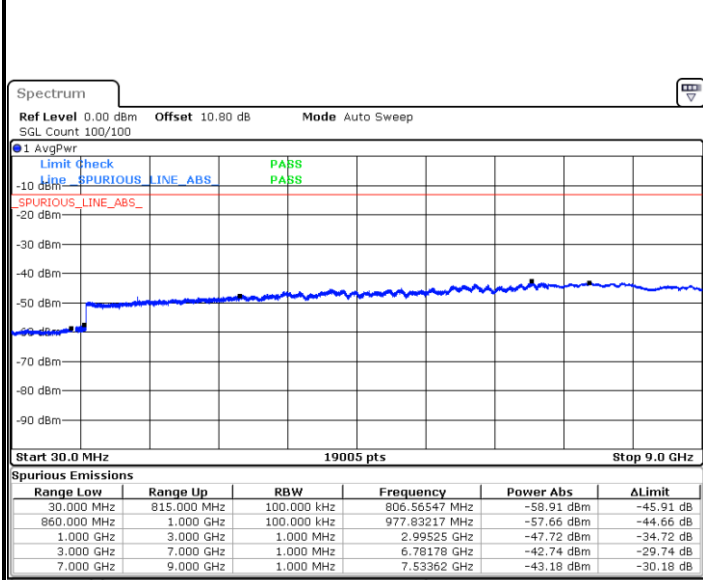
Date: 16.FEB.2020 04:46:36

Lowest Channel / 16QAM



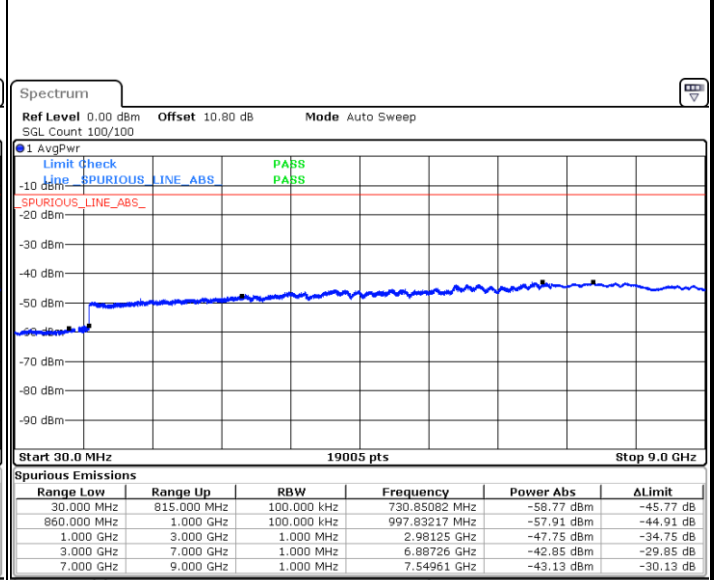
Date: 16.FEB.2020 04:47:17

Middle Channel / QPSK



Date: 16.FEB.2020 04:48:43

Middle Channel / 16QAM

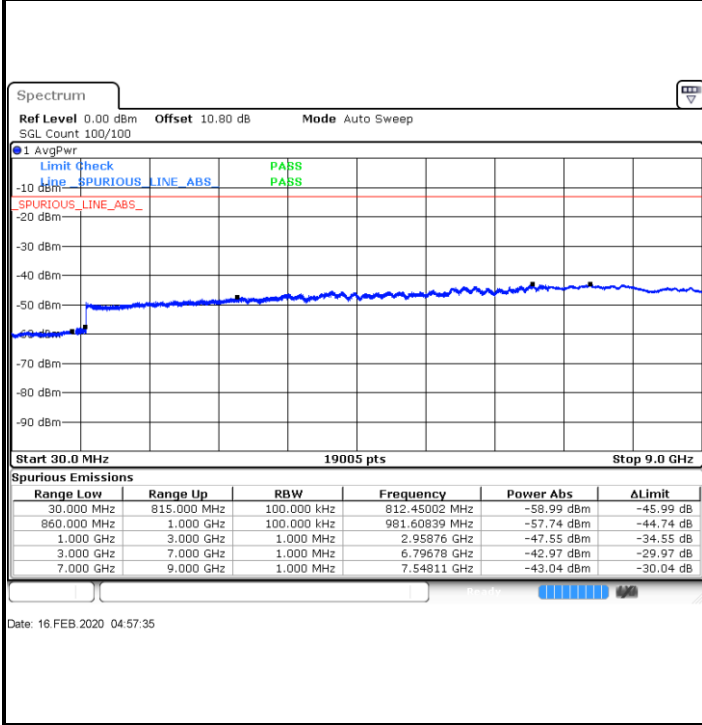


Date: 16.FEB.2020 04:49:24

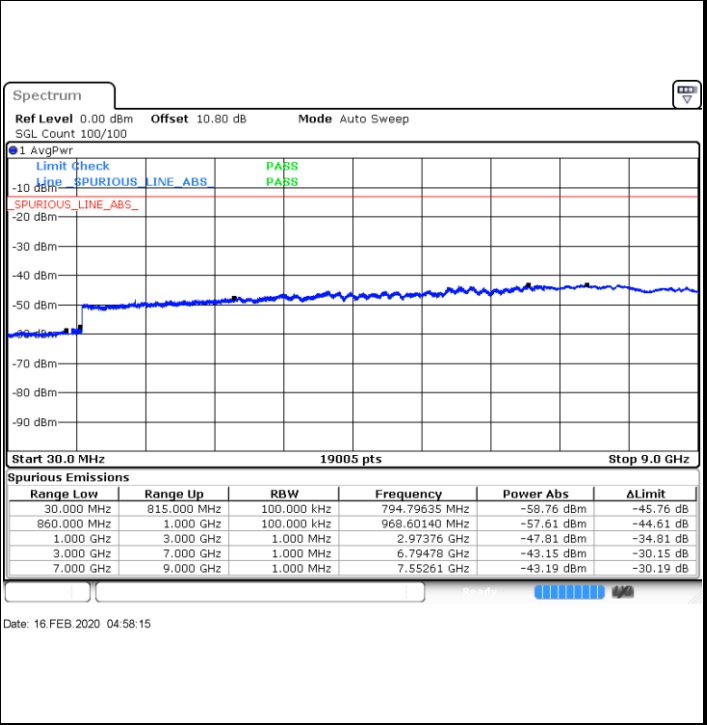


LTE Band 5 / 5MHz

Highest Channel / QPSK

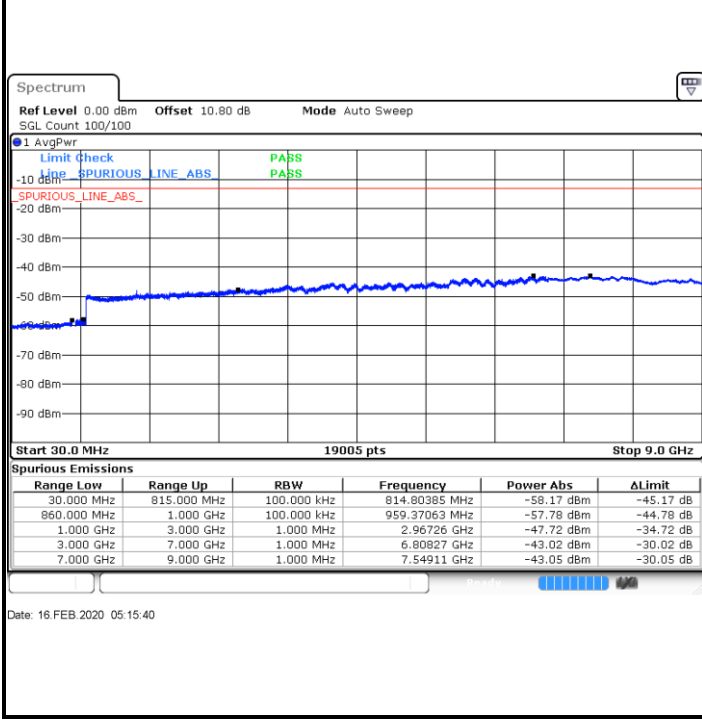


Highest Channel / 16QAM

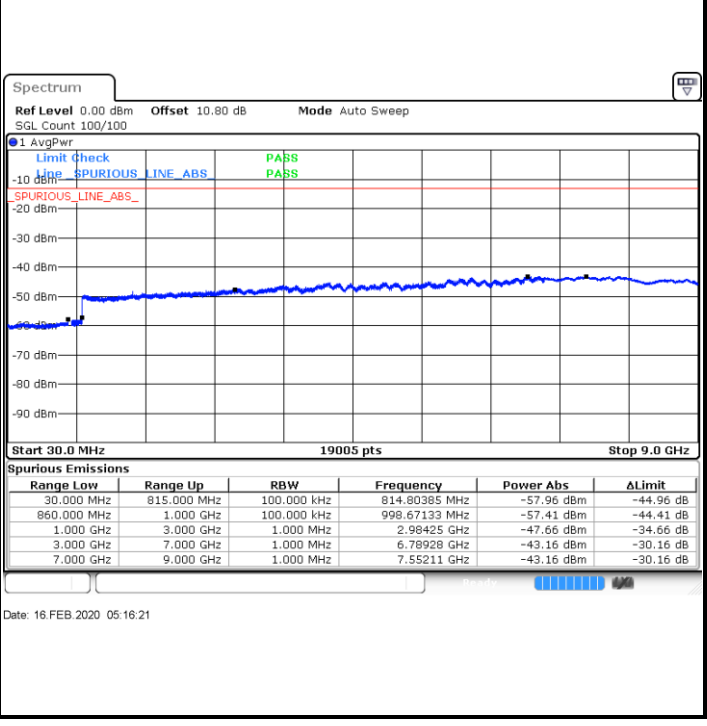


LTE Band 5 / 10MHz

Lowest Channel / QPSK



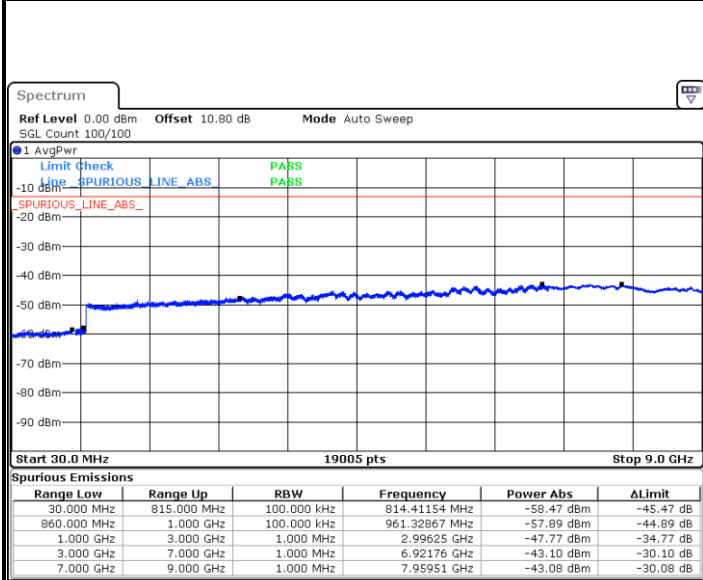
Lowest Channel / 16QAM





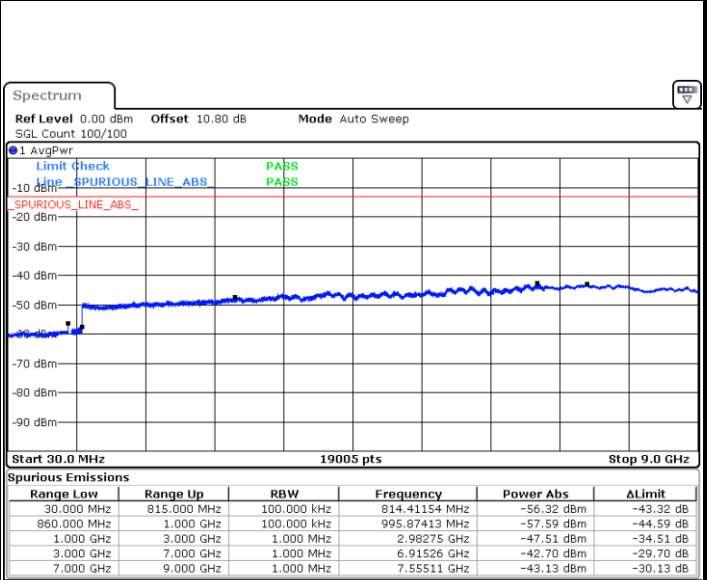
LTE Band 5 / 10MHz

Middle Channel / QPSK



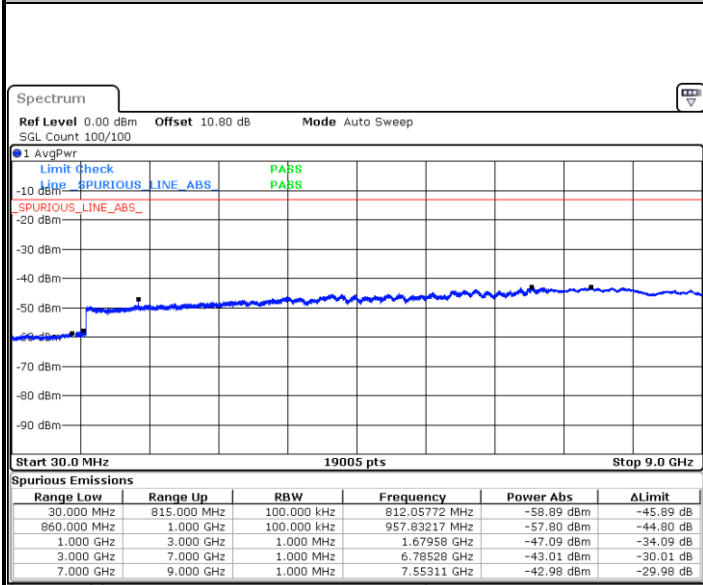
Date: 16.FEB.2020 05:17:47

Middle Channel / 16QAM



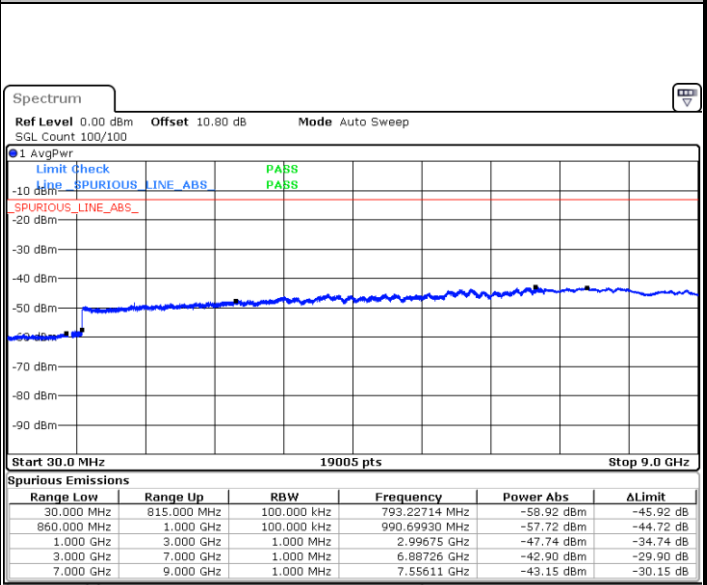
Date: 16.FEB.2020 05:18:27

Highest Channel / QPSK



Date: 16.FEB.2020 05:26:38

Highest Channel / 16QAM



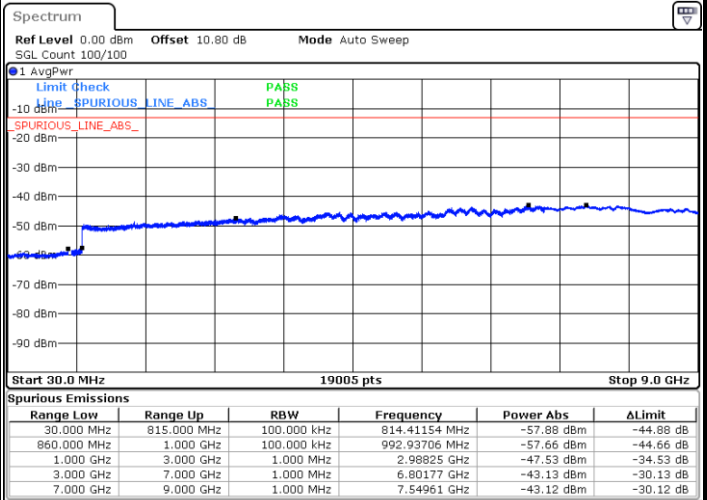
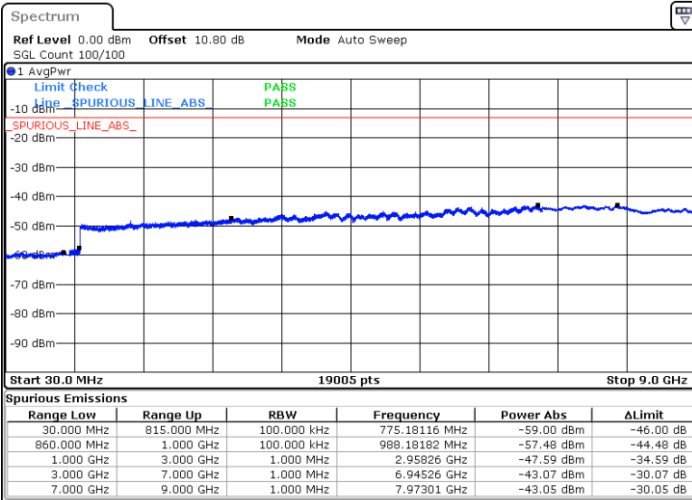
Date: 16.FEB.2020 05:27:19



LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

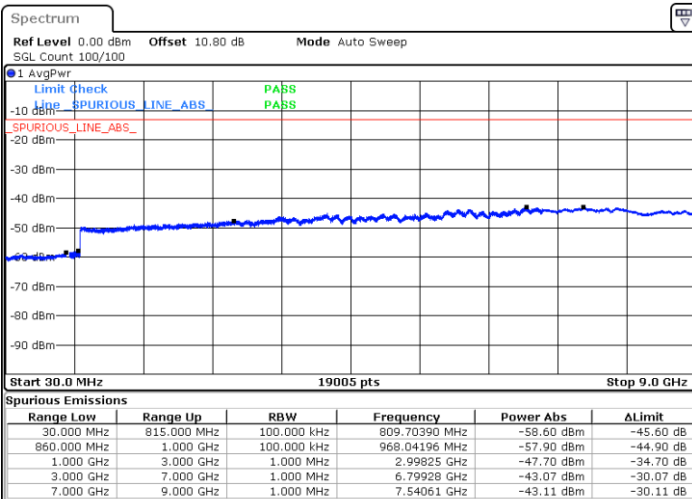
Middle Channel / 64QAM



Date: 16.FEB.2020 03:31:26

Date: 16.FEB.2020 03:32:30

Highest Channel / 64QAM



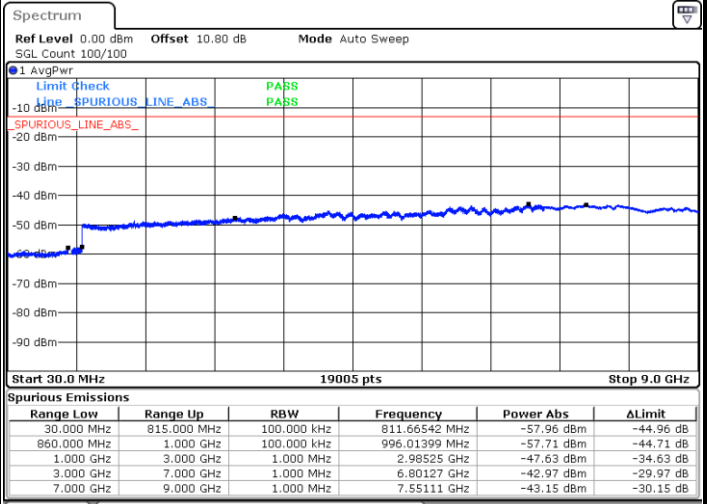
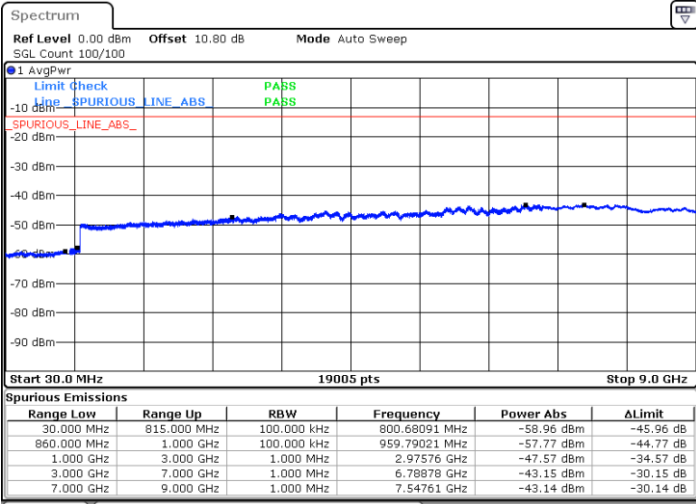
Date: 16.FEB.2020 03:36:55



LTE Band 5 / 3MHz

Lowest Channel / 64QAM

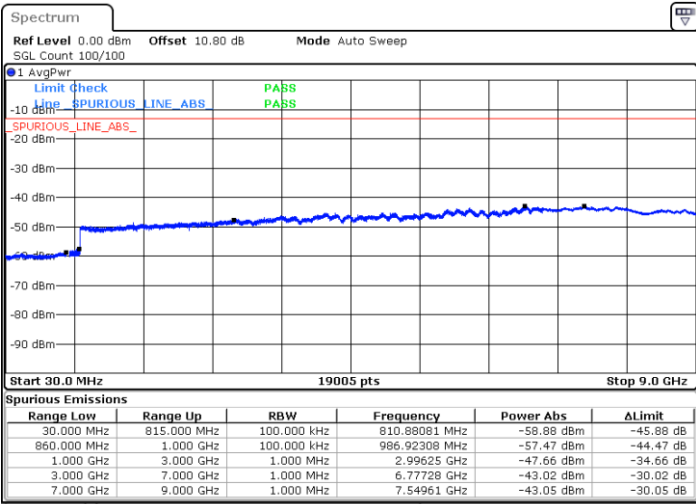
Middle Channel / 64QAM



Date: 16.FEB.2020 04:32:56

Date: 16.FEB.2020 04:33:59

Highest Channel / 64QAM

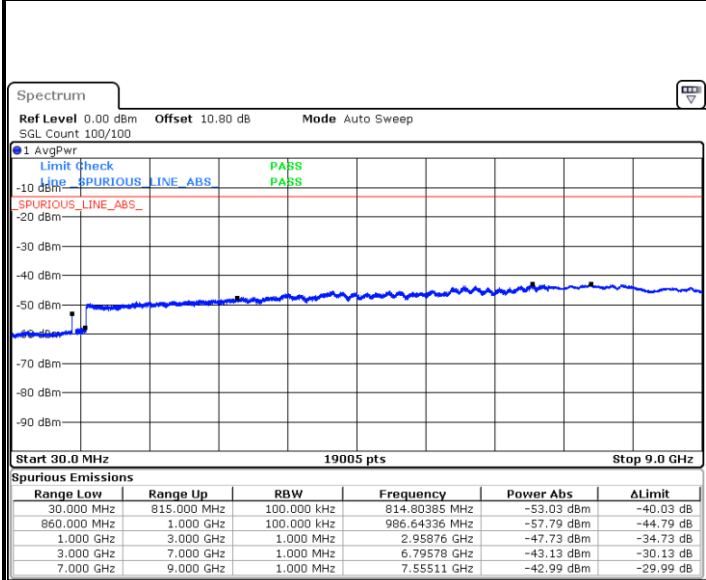


Date: 16.FEB.2020 04:38:25



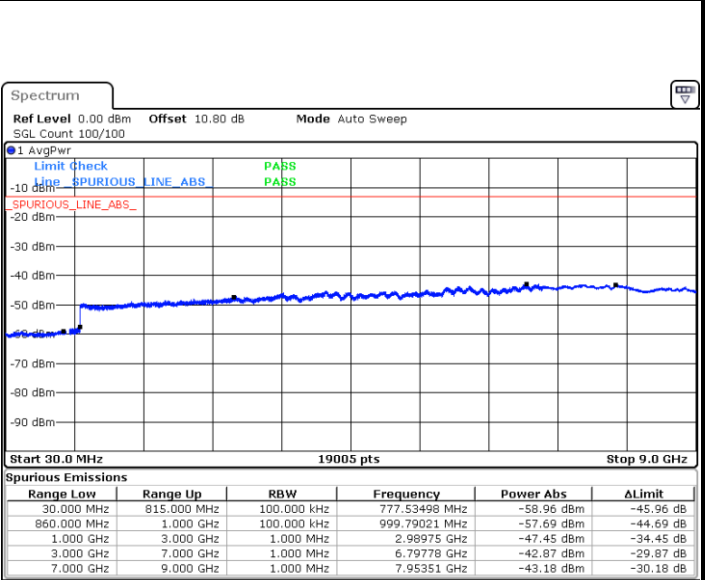
LTE Band 5 / 5MHz

Lowest Channel / 64QAM



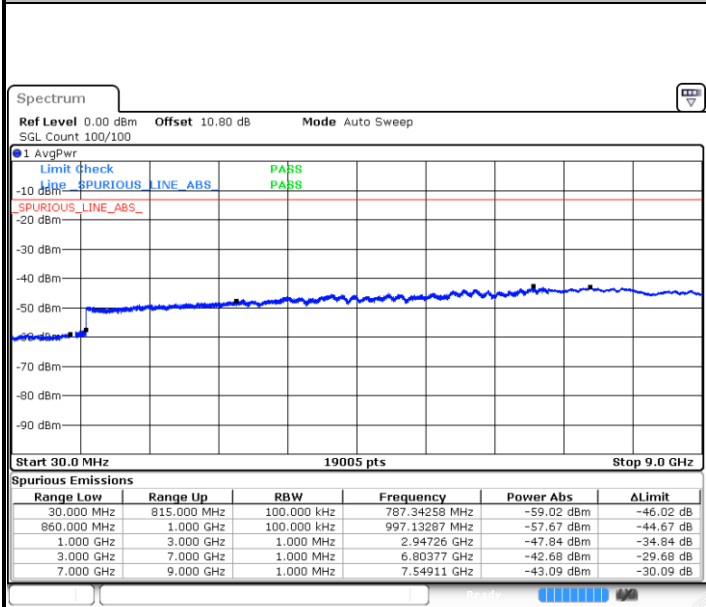
Date: 16.FEB.2020 05:02:41

Middle Channel / 64QAM



Date: 16.FEB.2020 05:03:44

Highest Channel / 64QAM



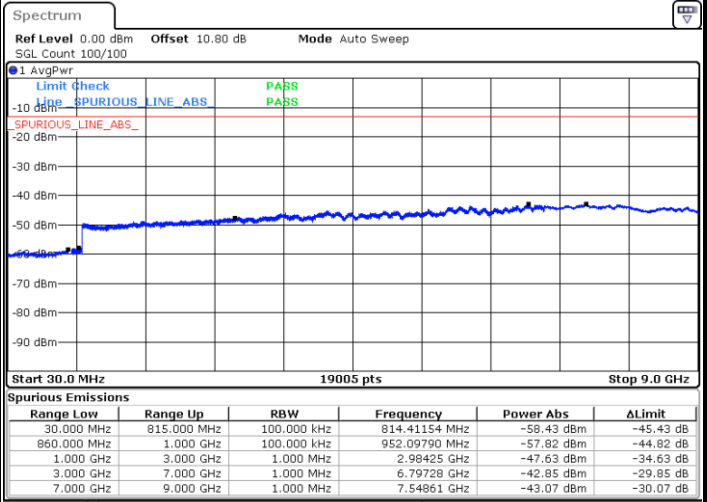
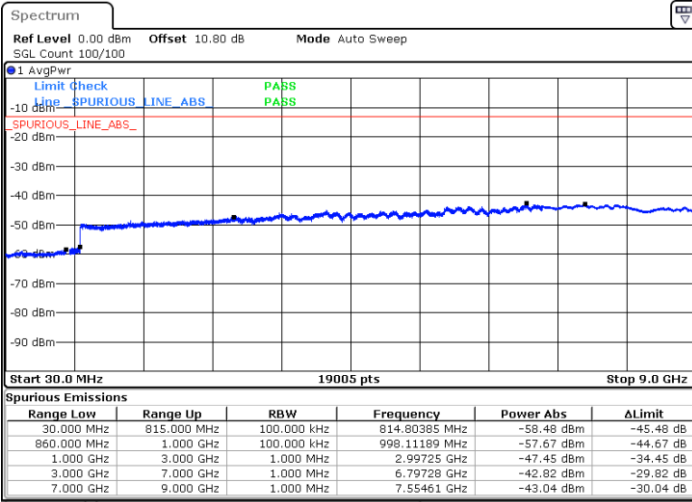
Date: 16.FEB.2020 05:28:00



LTE Band 5 / 10MHz

Lowest Channel / 64QAM

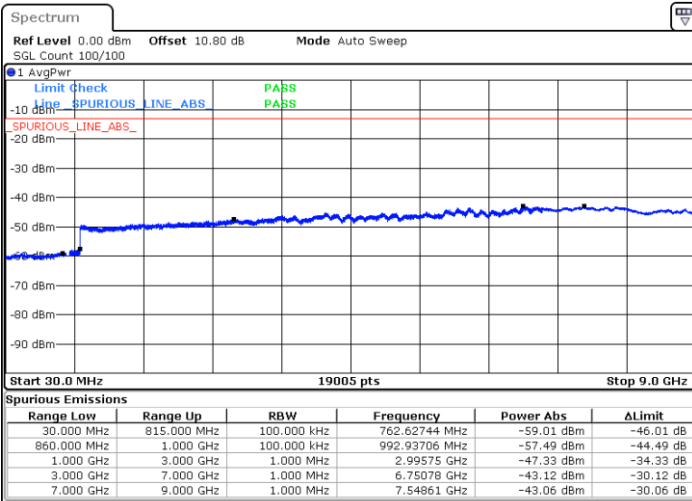
Middle Channel / 64QAM



Date: 16.FEB.2020 05:32:26

Date: 16.FEB.2020 05:33:29

Highest Channel / 64QAM



Date: 16.FEB.2020 05:37:55



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	0.0146	PASS
40	Normal Voltage	0.0137	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0056	
-20	Normal Voltage	0.0117	
-30	Normal Voltage	0.0094	
20	Maximum Voltage	0.0045	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage =4 V. ; Battery End Point (BEP) =3.7 V. ; Maximum Voltage =4.3 V.



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	5.04	5.04	6.23	5.97	PASS
Middle CH	4.75	5.28	6.61	5.97	
Highest CH	4.32	5.36	5.10	6.17	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.99	6.38	-	-	PASS
Middle CH	6.52	6.35	-	-	
Highest CH	5.54	6.52	-	-	