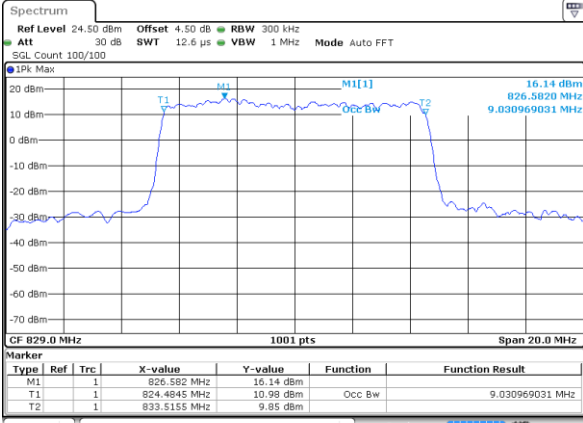




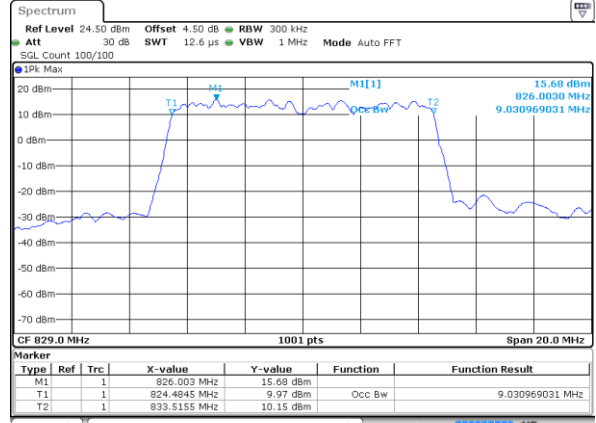
LTE Band 5

Lowest Channel / 10MHz / QPSK



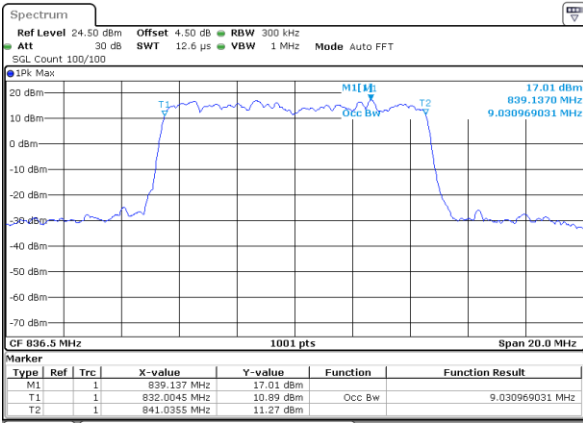
Date: 5 FEB 2020 18:03:40

Lowest Channel / 10MHz / 16QAM



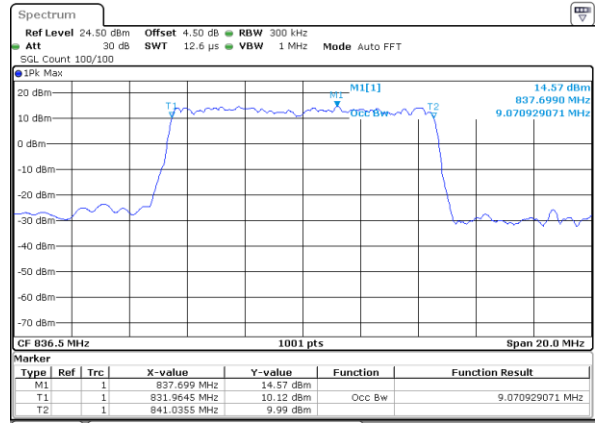
Date: 5 FEB 2020 18:03:50

Middle Channel / 10MHz / QPSK



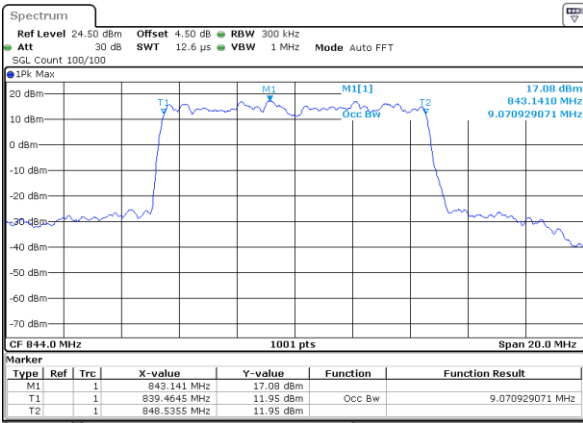
Date: 5 FEB 2020 18:12:38

Middle Channel / 10MHz / 16QAM



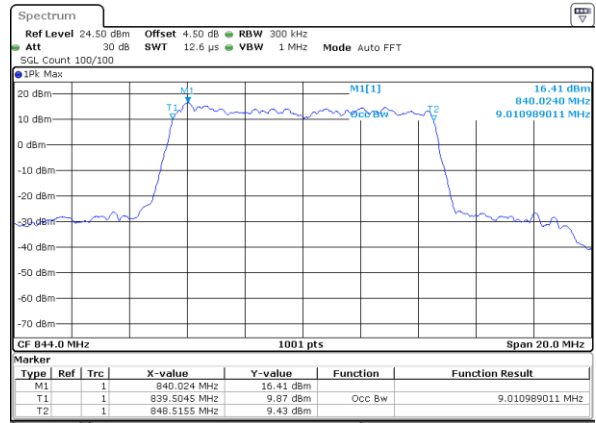
Date: 5 FEB 2020 18:12:48

Highest Channel / 10MHz / QPSK



Date: 5 FEB 2020 18:15:07

Highest Channel / 10MHz / 16QAM

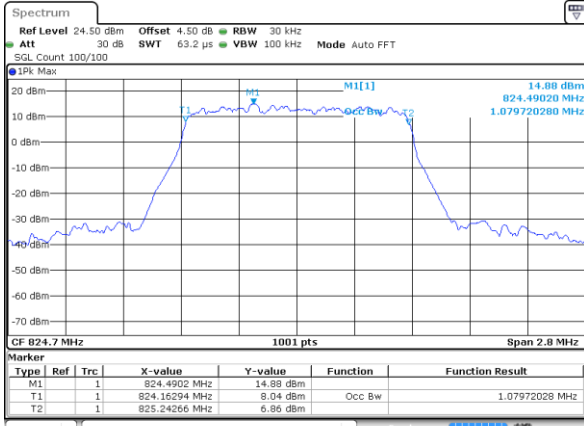


Date: 5 FEB 2020 18:15:17



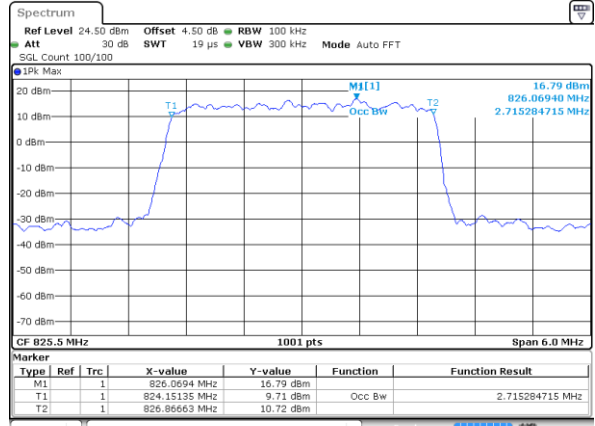
LTE Band 5

Lowest Channel / 1.4MHz / 64QAM



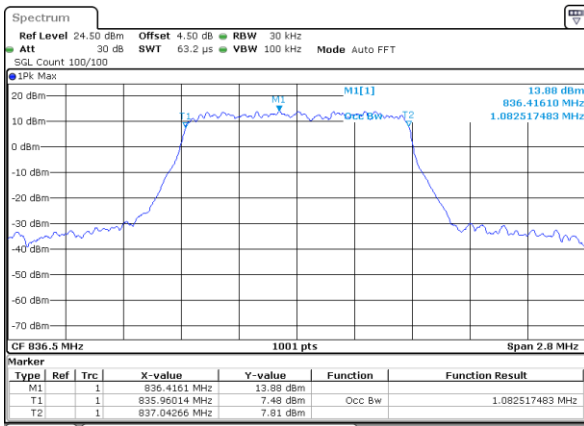
Date: 15.FEB.2020 01:38:45

Lowest Channel / 3MHz / 64QAM



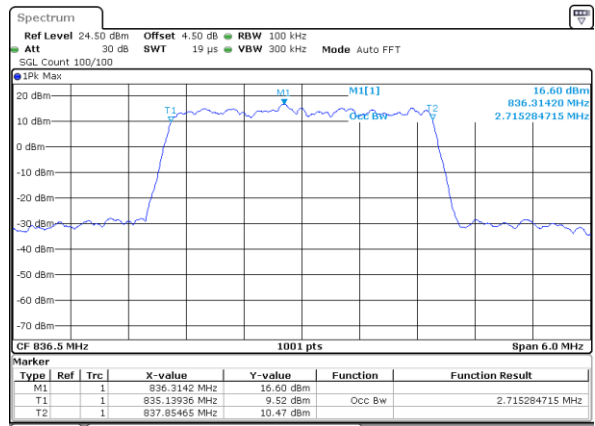
Date: 15.FEB.2020 01:48:57

Middle Channel / 1.4MHz / 64QAM



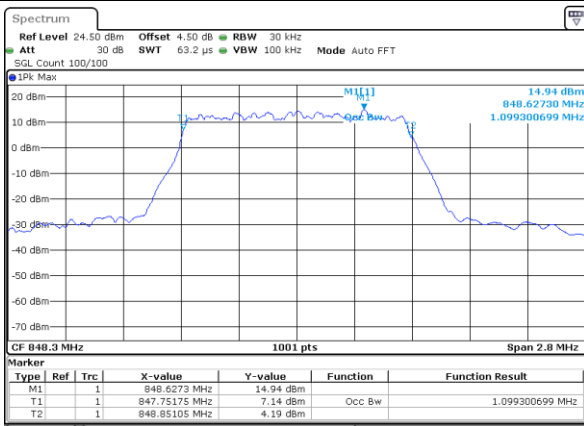
Date: 15.FEB.2020 01:44:08

Middle Channel / 3MHz / 64QAM



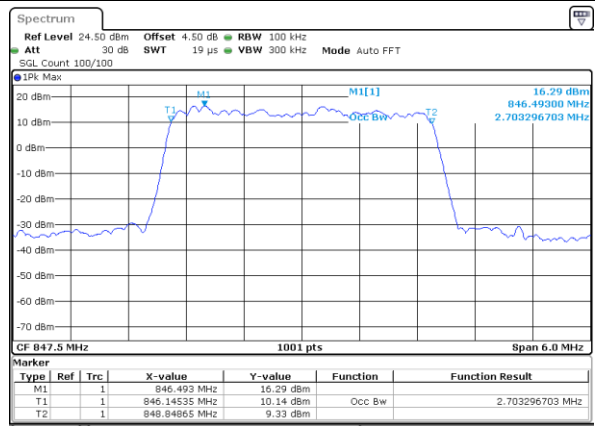
Date: 15.FEB.2020 01:54:20

Highest Channel / 1.4MHz / 64QAM



Date: 15.FEB.2020 01:44:28

Highest Channel / 3MHz / 64QAM

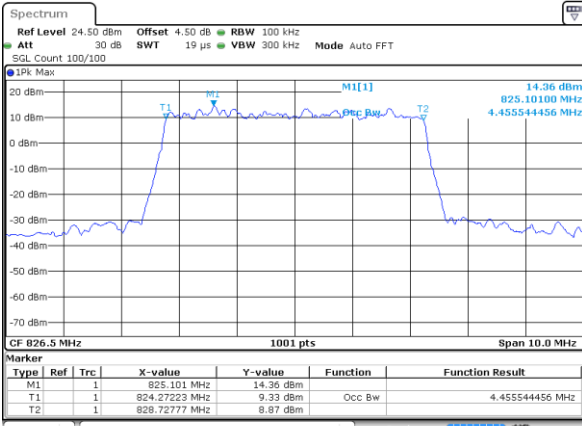


Date: 15.FEB.2020 01:54:40



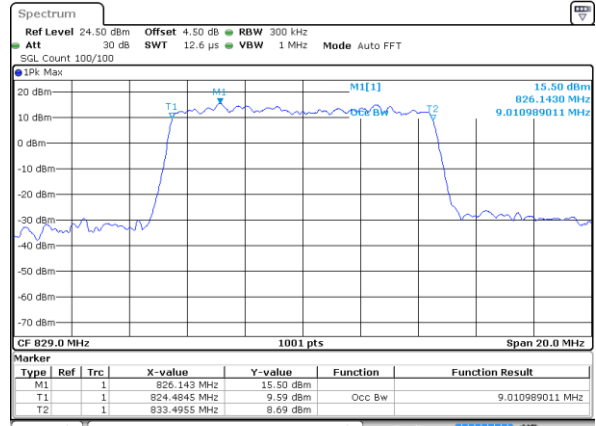
LTE Band 5

Lowest Channel / 5MHz / 64QAM



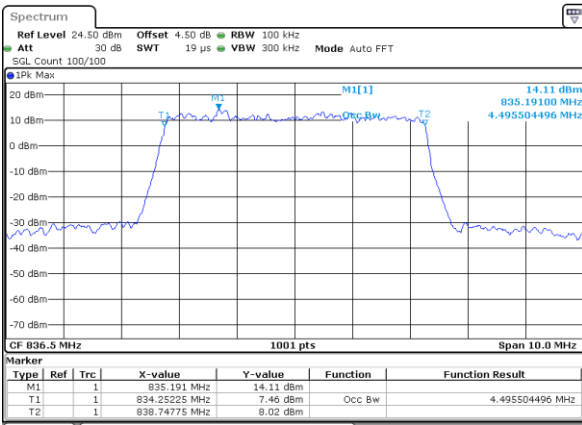
Date: 15 FEB 2020 01:59:09

Lowest Channel / 10MHz / 64QAM



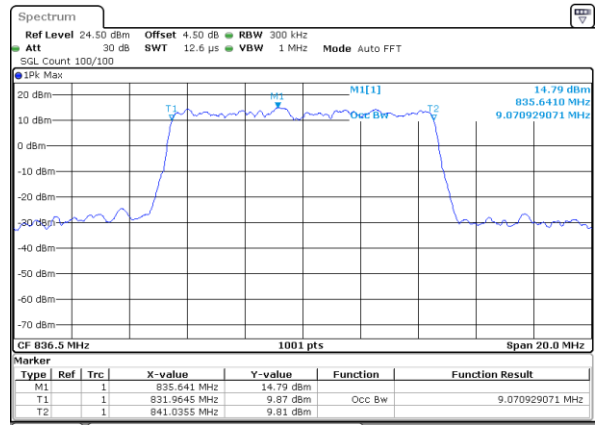
Date: 15 FEB 2020 02:09:20

Middle Channel / 5MHz / 64QAM



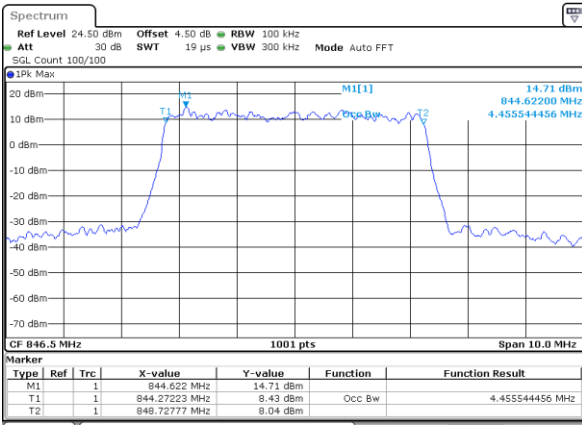
Date: 15 FEB 2020 02:04:31

Middle Channel / 10MHz / 64QAM



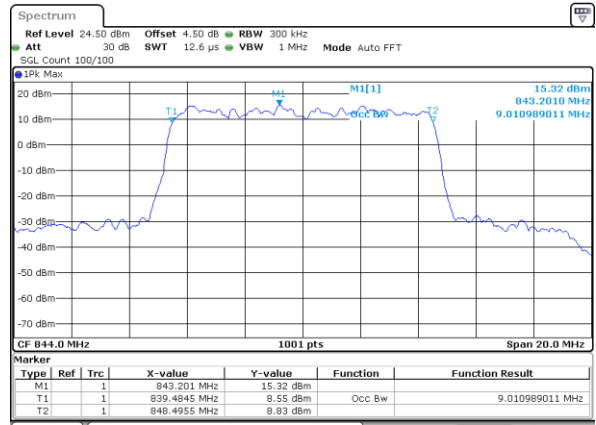
Date: 15 FEB 2020 02:14:43

Highest Channel / 5MHz / 64QAM



Date: 15 FEB 2020 02:04:51

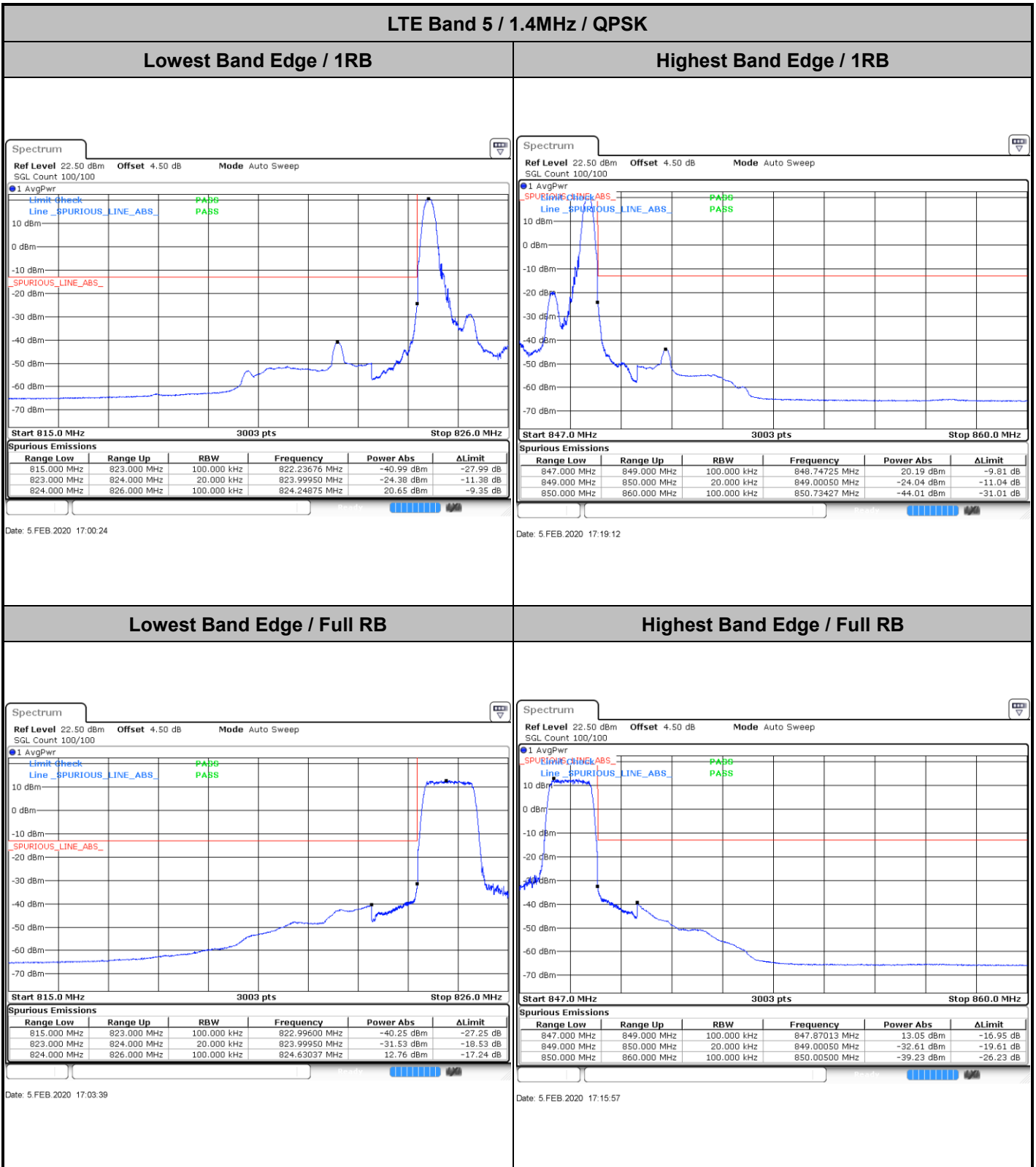
Highest Channel / 10MHz / 64QAM



Date: 15 FEB 2020 02:15:03



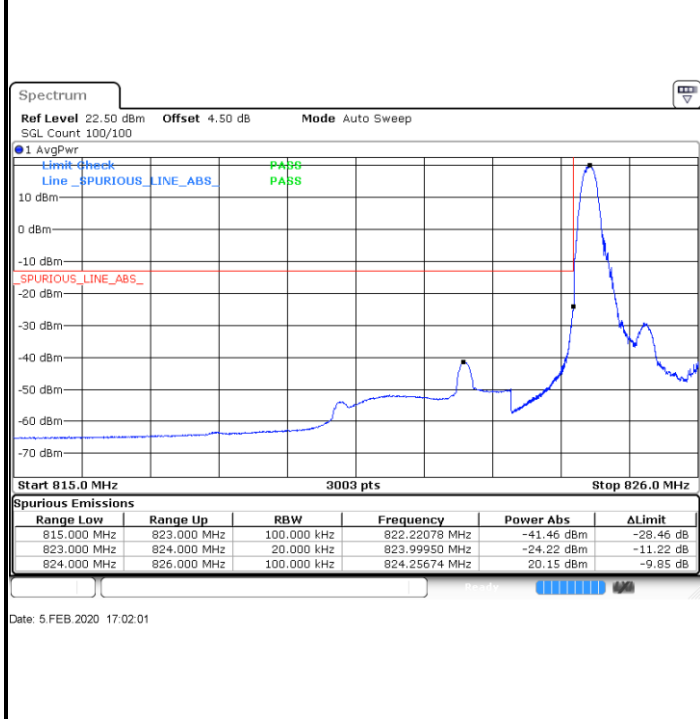
Conducted Band Edge



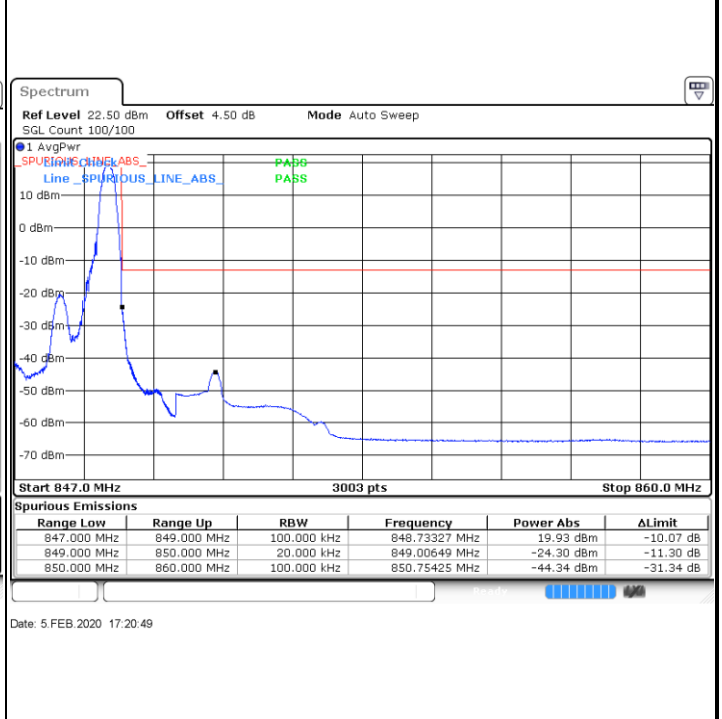


LTE Band 5 / 1.4MHz / 16QAM

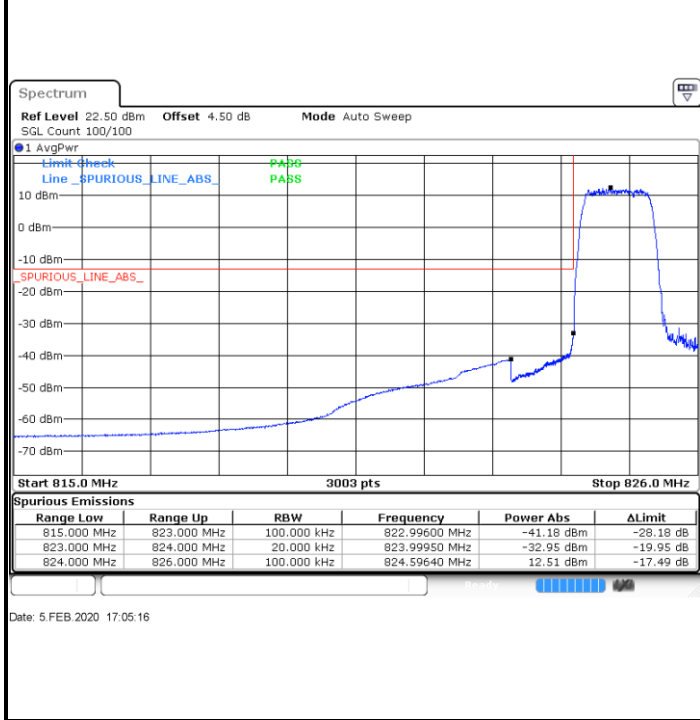
Lowest Band Edge / 1 RB



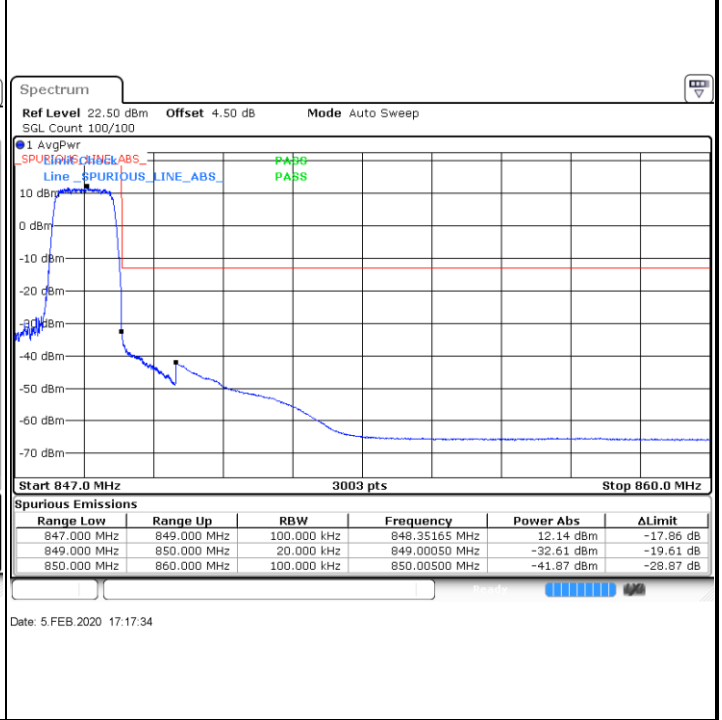
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



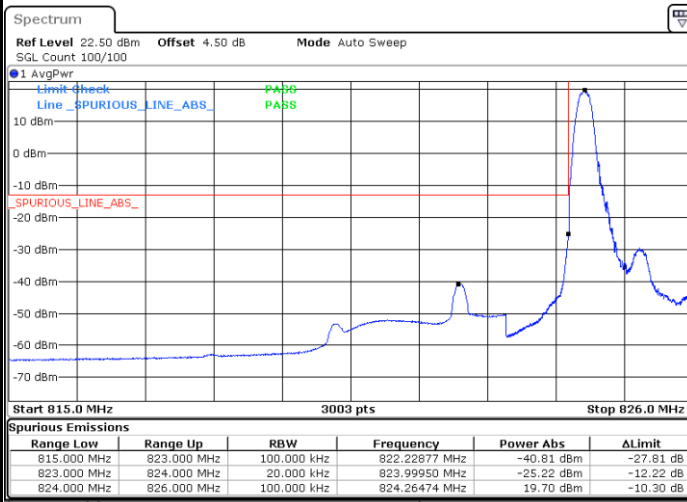
Highest Band Edge / Full RB





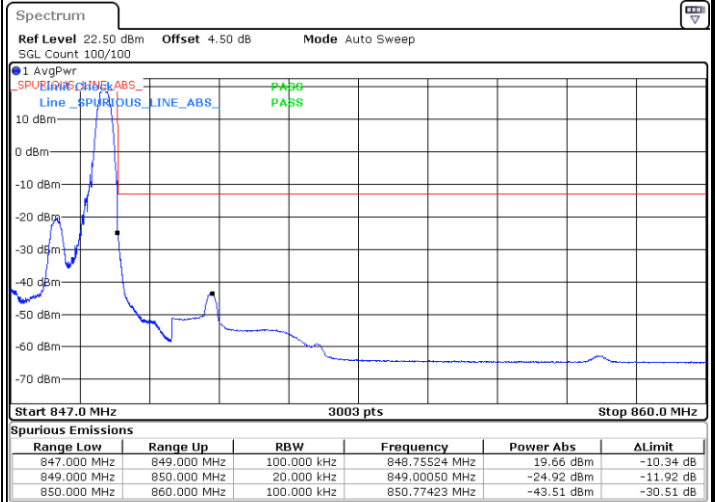
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



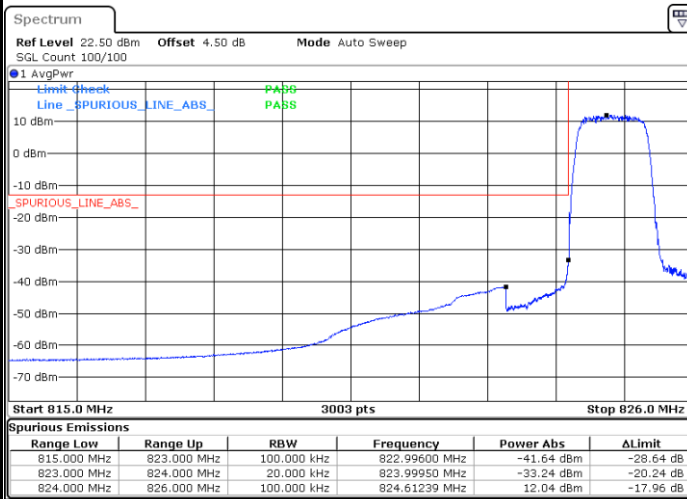
Date: 15.FEB.2020 01:42:10

Highest Band Edge / 1 RB



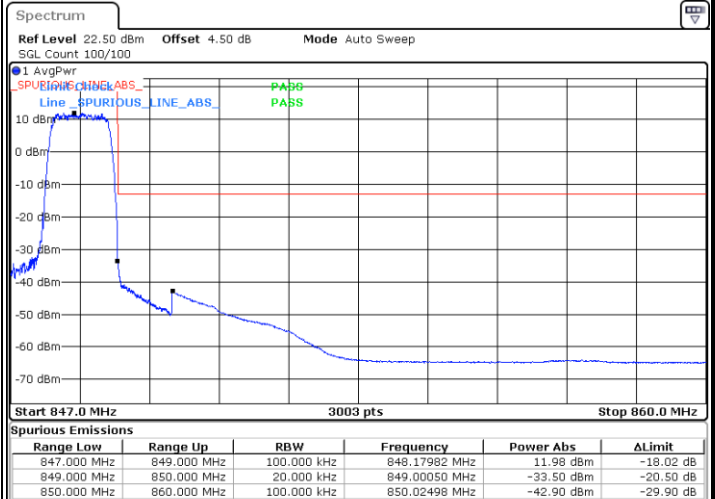
Date: 15.FEB.2020 01:47:53

Lowest Band Edge / Full RB



Date: 15.FEB.2020 01:40:33

Highest Band Edge / Full RB

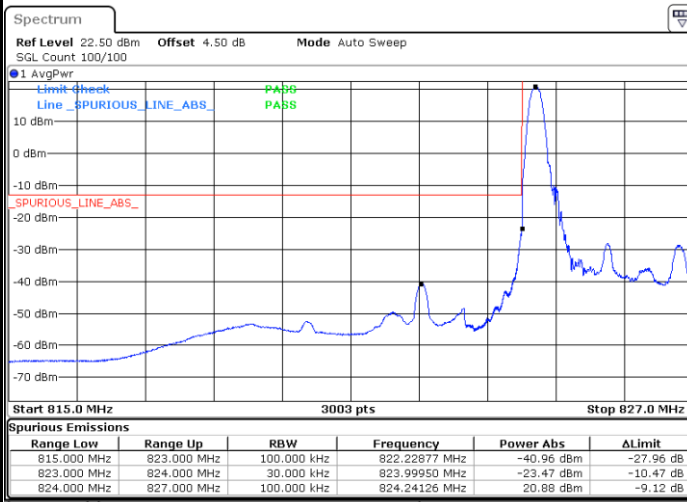


Date: 15.FEB.2020 01:46:16



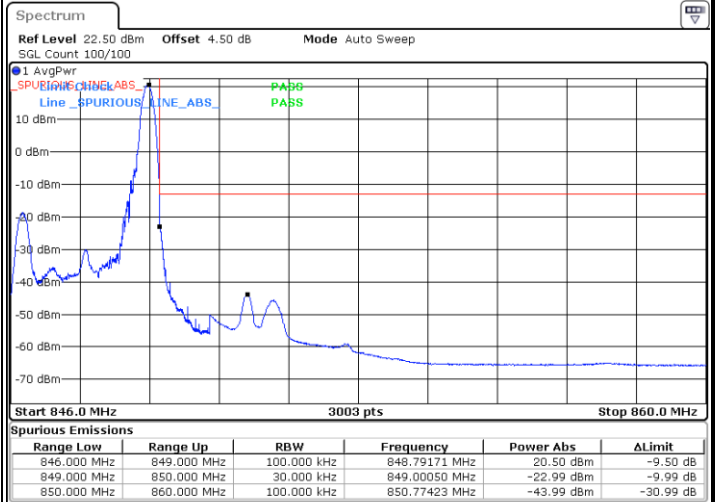
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



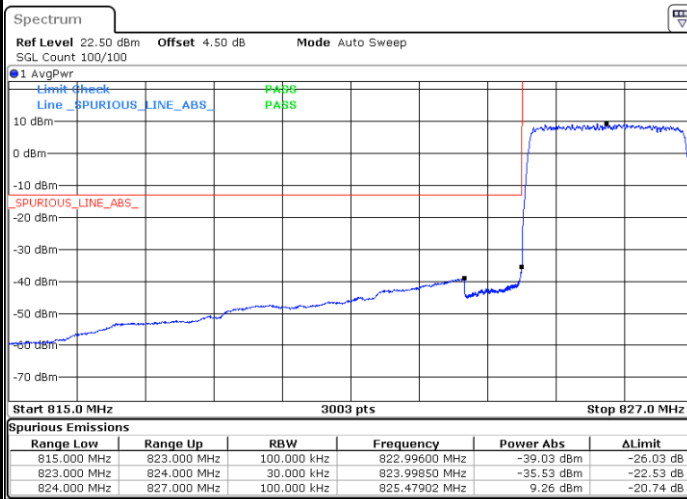
Date: 5 FEB 2020 17:24:55

Highest Band Edge / 1 RB



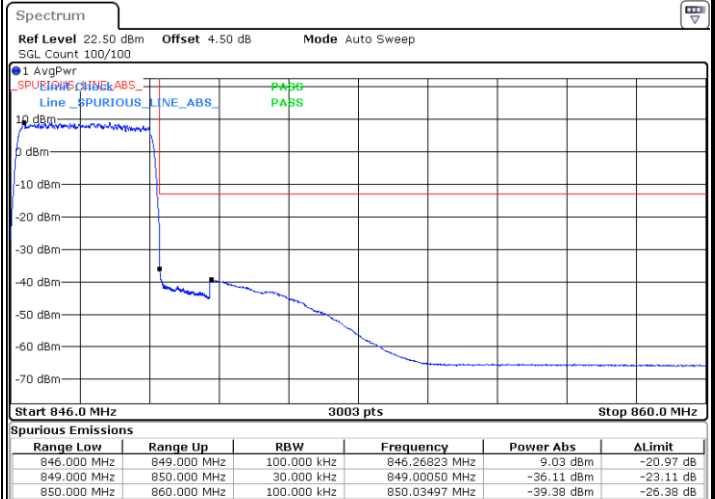
Date: 5 FEB 2020 17:36:23

Lowest Band Edge / Full RB



Date: 5 FEB 2020 17:28:10

Highest Band Edge / Full RB

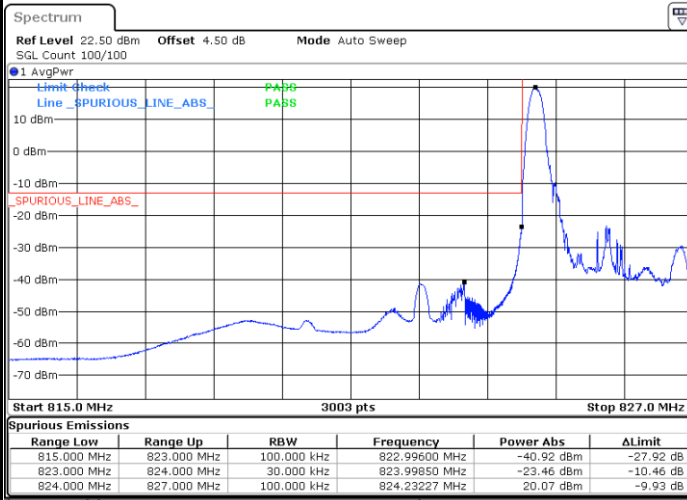


Date: 5 FEB 2020 17:39:38



LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



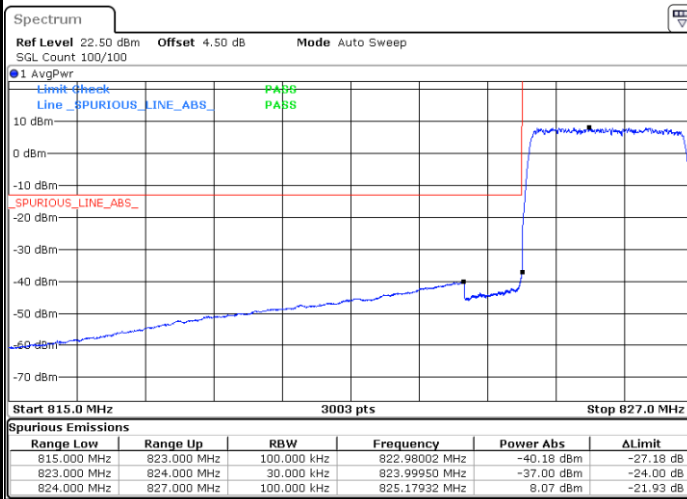
Date: 5 FEB 2020 17:26:33

Highest Band Edge / 1 RB



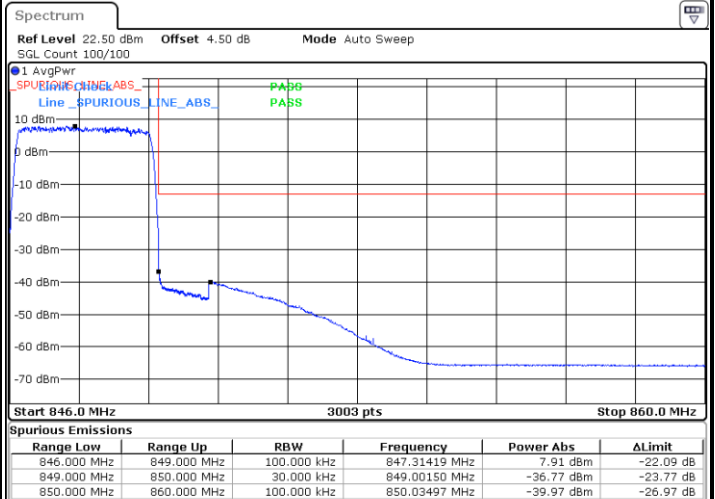
Date: 5 FEB 2020 17:38:00

Lowest Band Edge / Full RB



Date: 5 FEB 2020 17:29:48

Highest Band Edge / Full RB

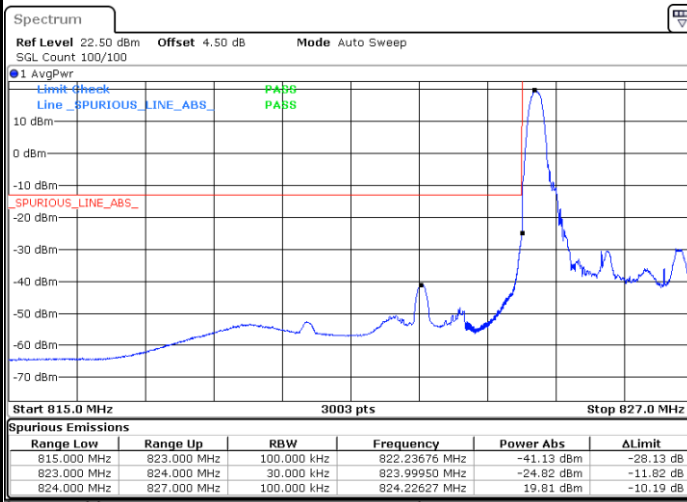


Date: 5 FEB 2020 17:41:15



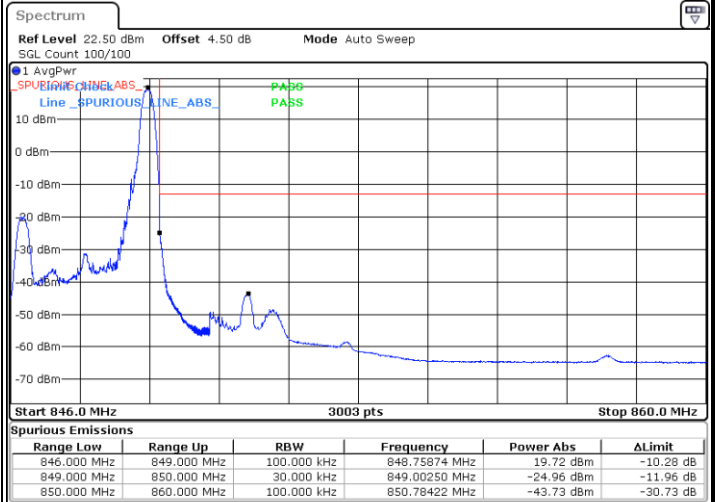
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



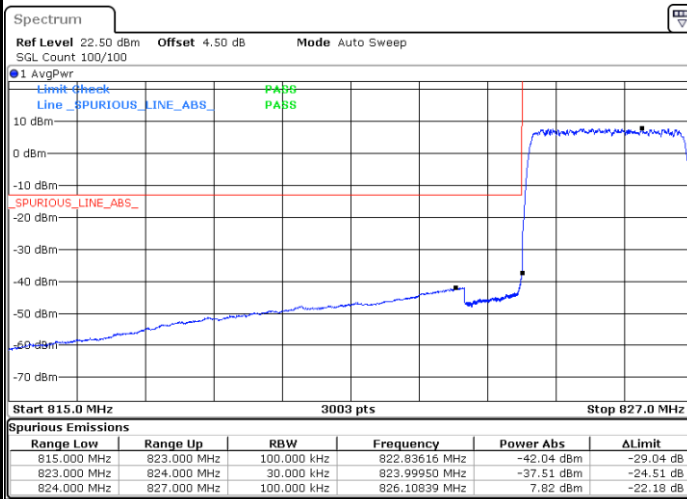
Date: 15.FEB.2020 01:52:22

Highest Band Edge / 1 RB



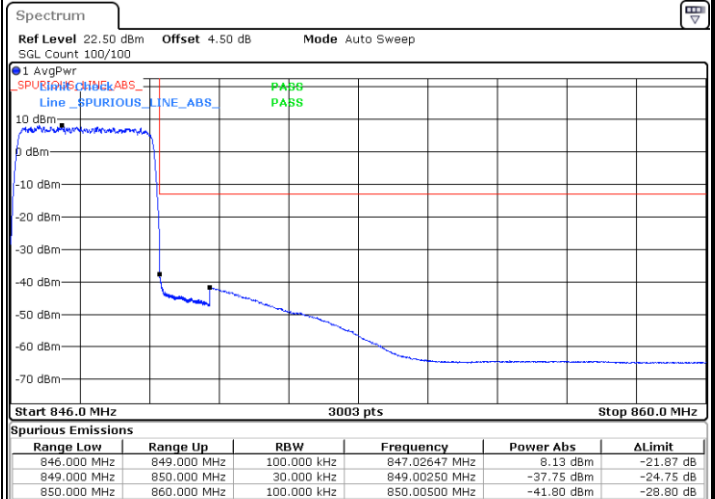
Date: 15.FEB.2020 01:58:05

Lowest Band Edge / Full RB



Date: 15.FEB.2020 01:50:45

Highest Band Edge / Full RB

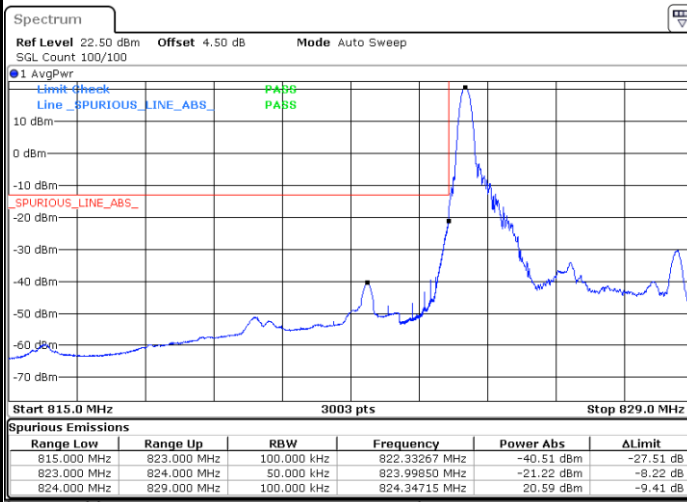


Date: 15.FEB.2020 01:56:27



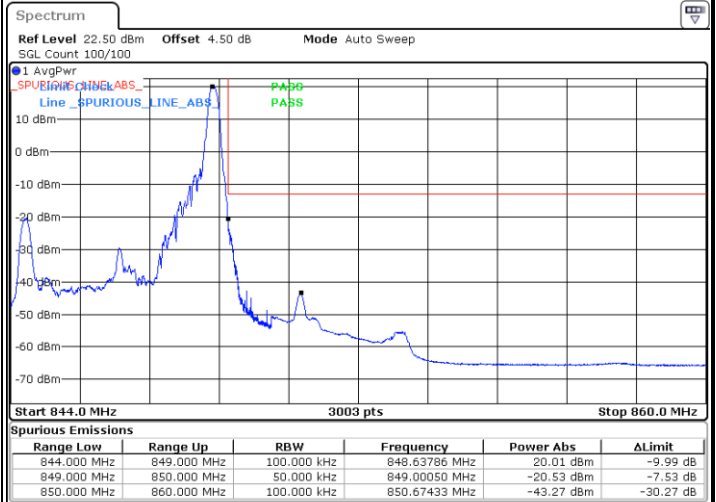
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



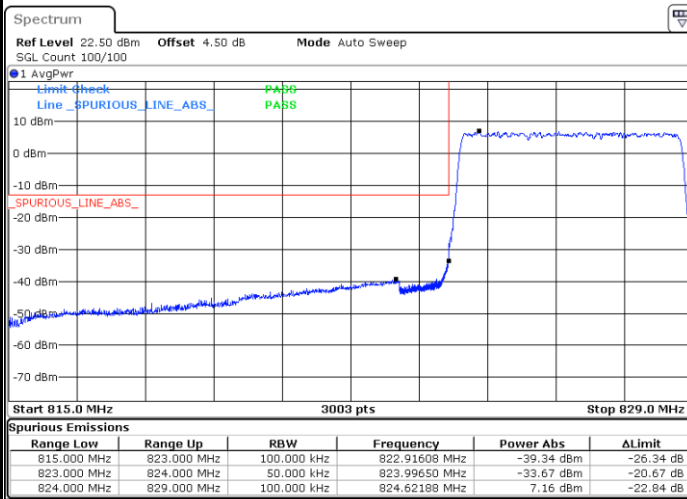
Date: 5 FEB 2020 17:45:21

Highest Band Edge / 1 RB



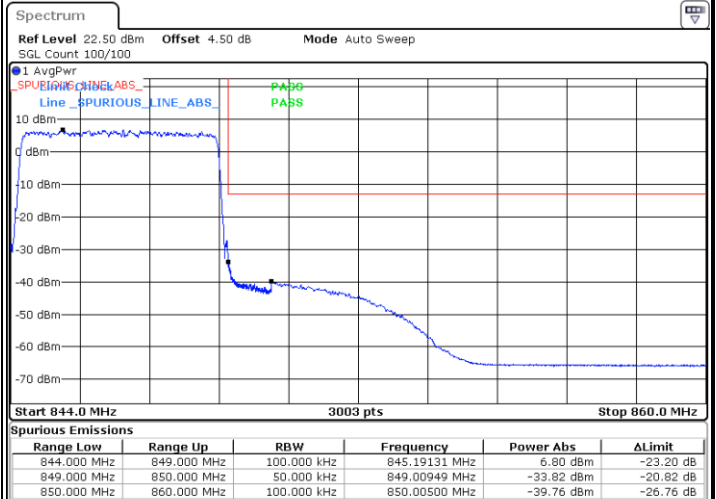
Date: 5 FEB 2020 17:56:49

Lowest Band Edge / Full RB



Date: 5 FEB 2020 17:48:36

Highest Band Edge / Full RB

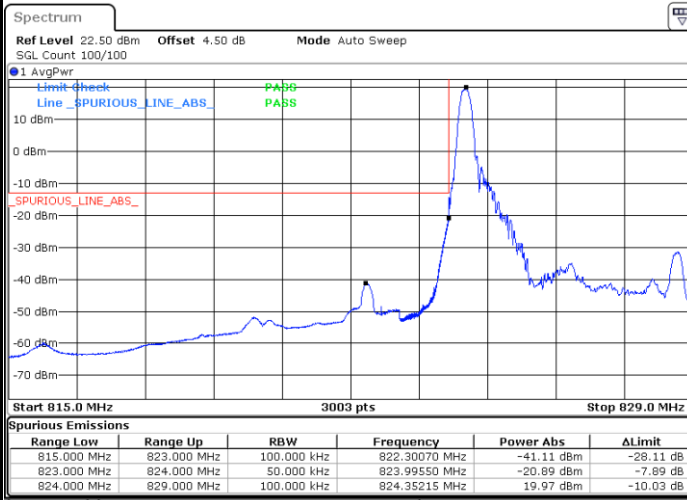


Date: 5 FEB 2020 18:00:04



LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



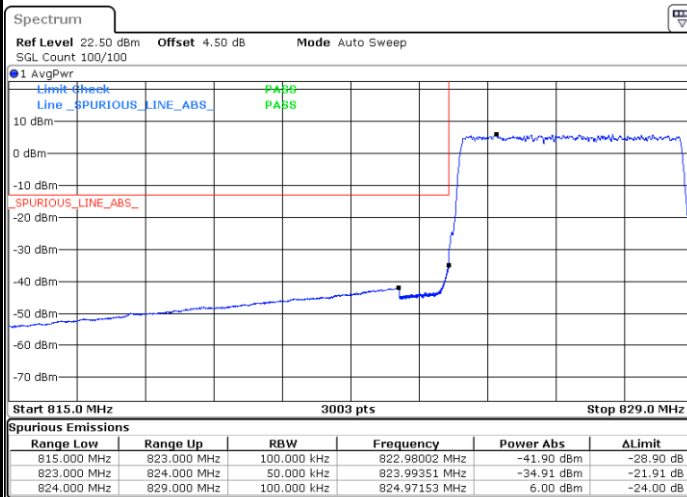
Date: 5 FEB 2020 17:46:59

Highest Band Edge / 1 RB



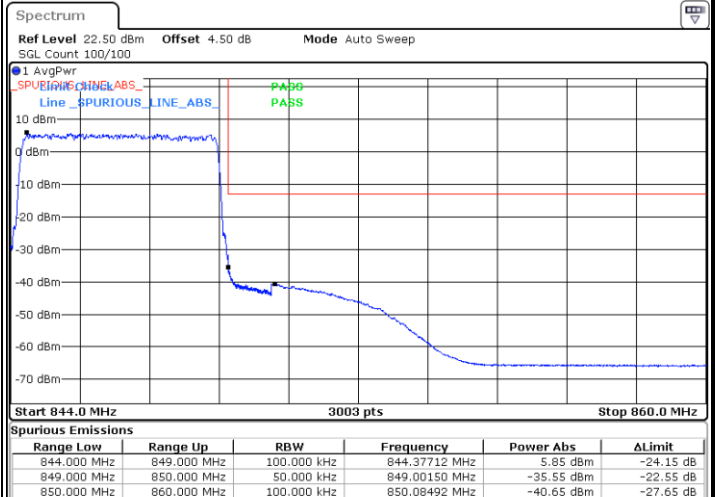
Date: 5 FEB 2020 17:58:26

Lowest Band Edge / Full RB



Date: 5 FEB 2020 17:50:14

Highest Band Edge / Full RB

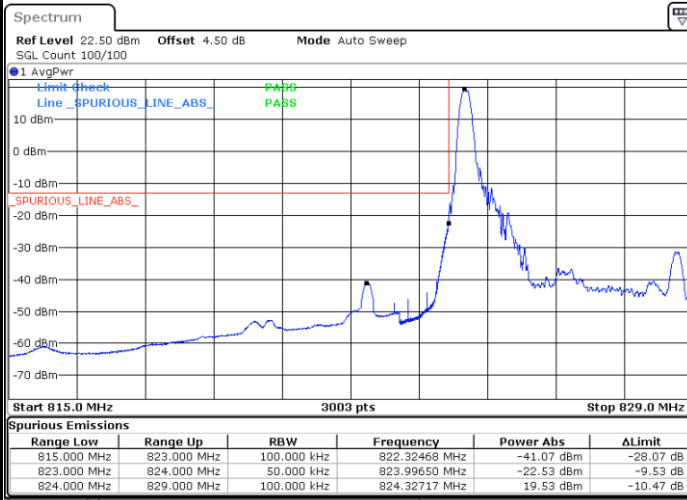


Date: 5 FEB 2020 18:01:41



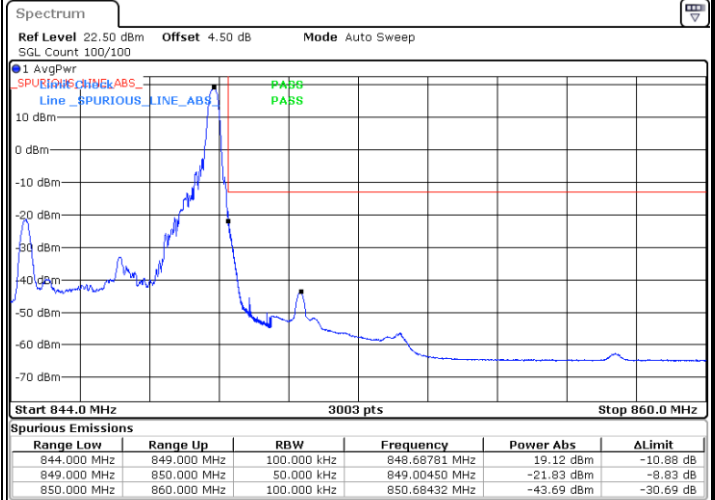
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



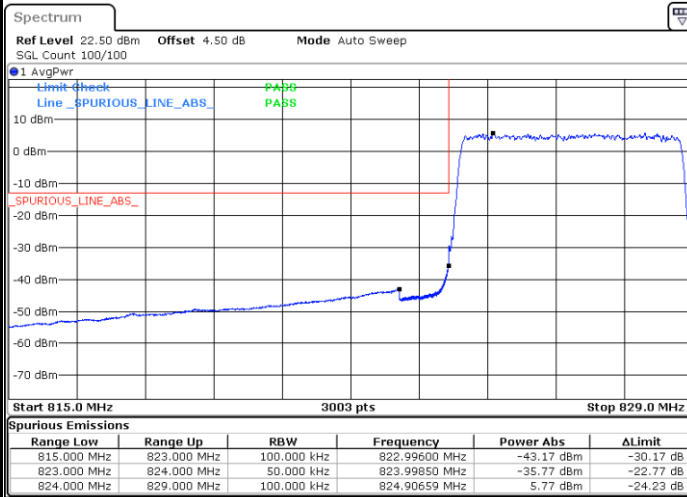
Date: 15.FEB.2020 02:02:34

Highest Band Edge / 1 RB



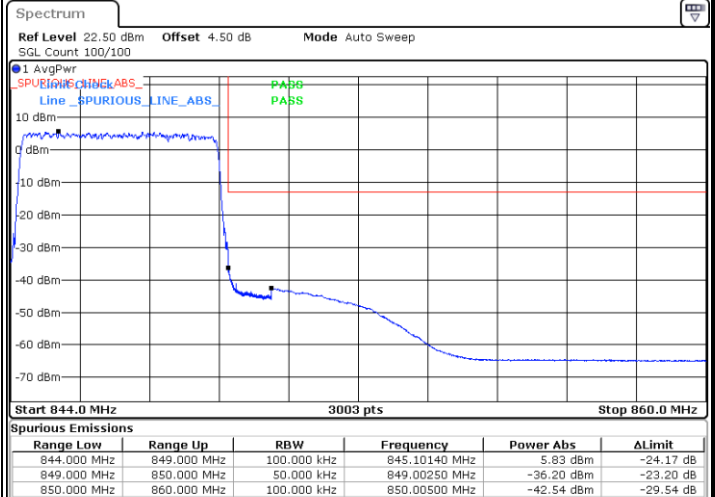
Date: 15.FEB.2020 02:08:16

Lowest Band Edge / Full RB



Date: 15.FEB.2020 02:00:56

Highest Band Edge / Full RB

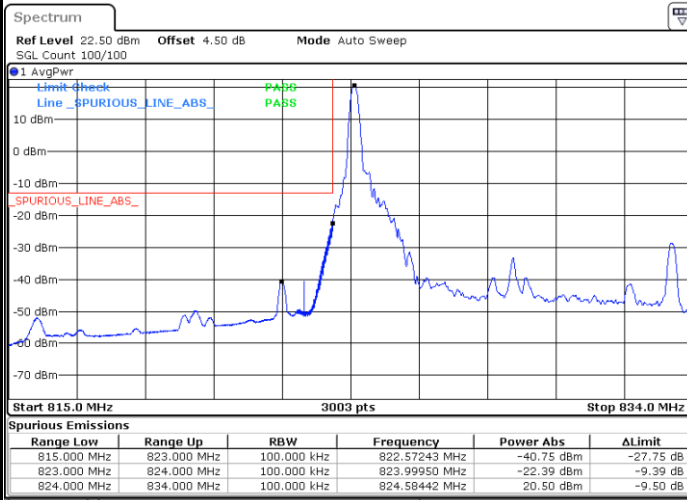


Date: 15.FEB.2020 02:06:39



LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



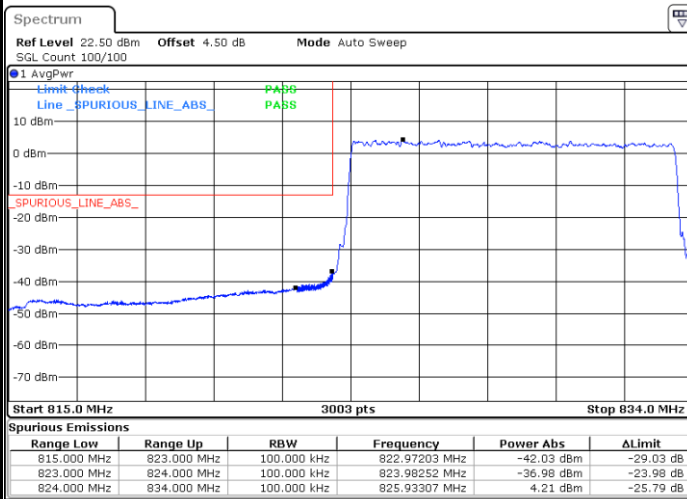
Date: 5 FEB 2020 18:05:47

Highest Band Edge / 1 RB



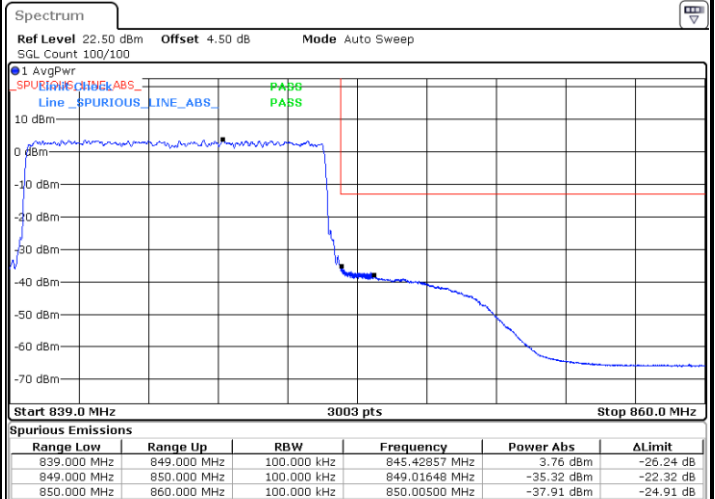
Date: 5 FEB 2020 18:17:15

Lowest Band Edge / Full RB



Date: 5 FEB 2020 18:09:02

Highest Band Edge / Full RB

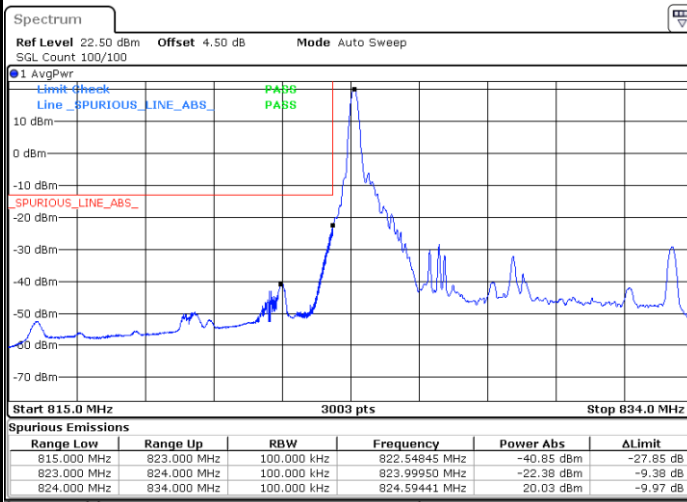


Date: 5 FEB 2020 18:20:30



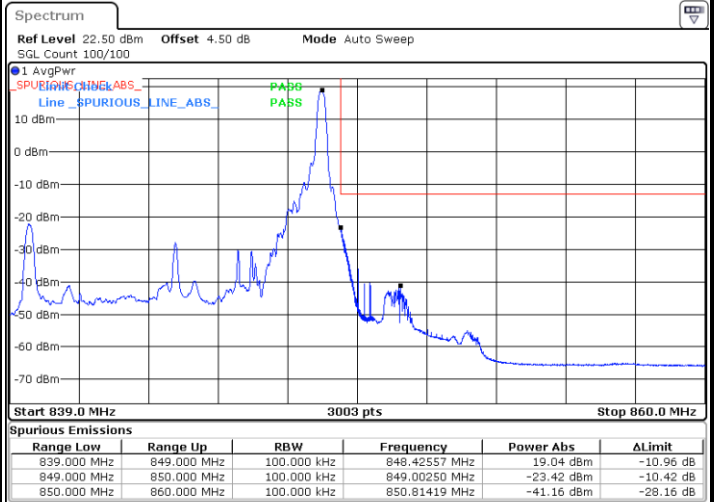
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



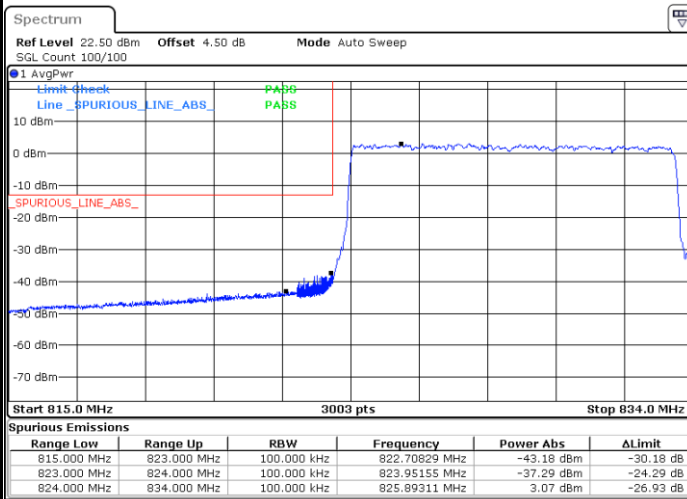
Date: 5 FEB 2020 18:07:25

Highest Band Edge / 1 RB



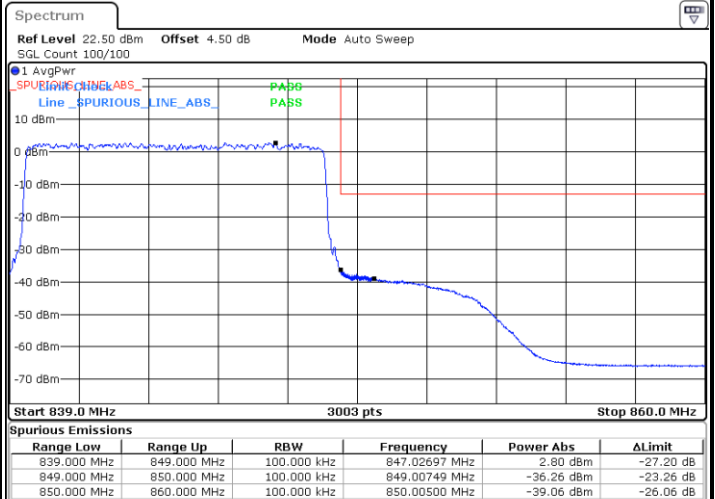
Date: 5 FEB 2020 18:18:52

Lowest Band Edge / Full RB



Date: 5 FEB 2020 18:10:40

Highest Band Edge / Full RB

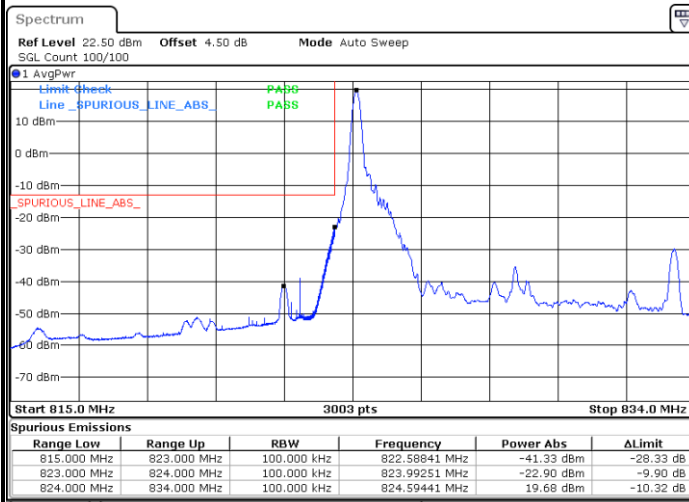


Date: 5 FEB 2020 18:22:07



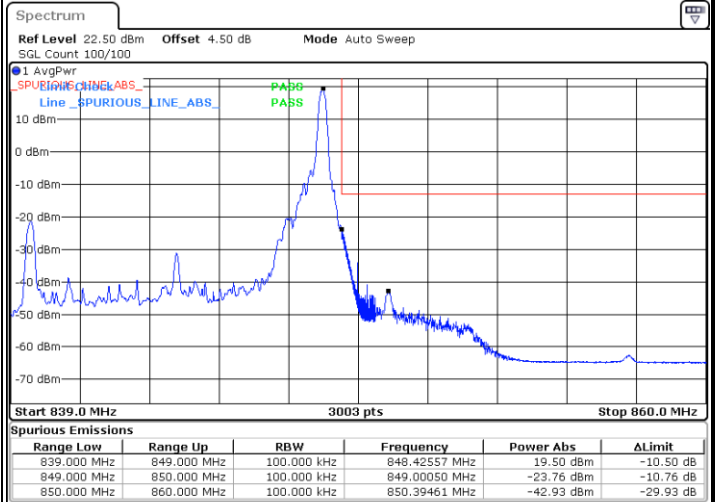
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



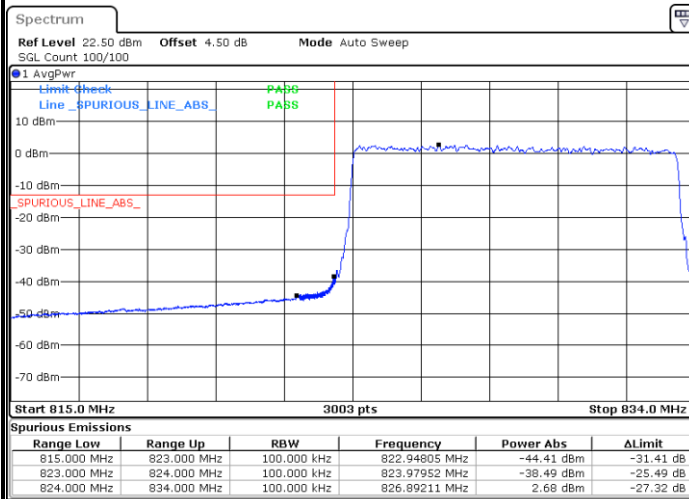
Date: 15.FEB.2020 02:12:45

Highest Band Edge / 1 RB



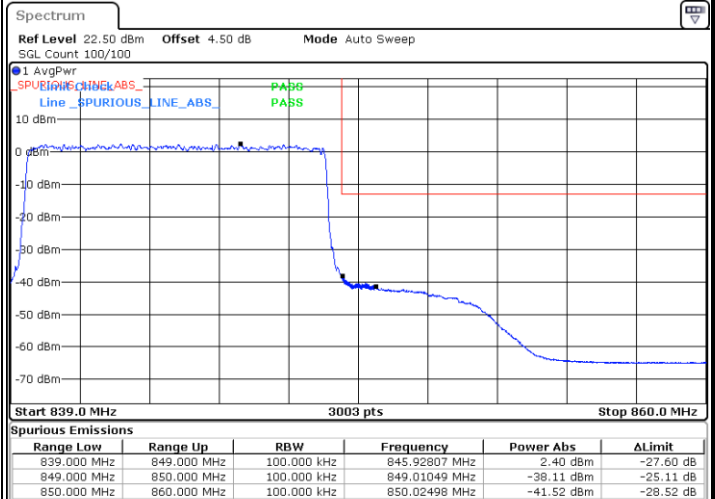
Date: 15.FEB.2020 02:18:28

Lowest Band Edge / Full RB



Date: 15.FEB.2020 02:11:08

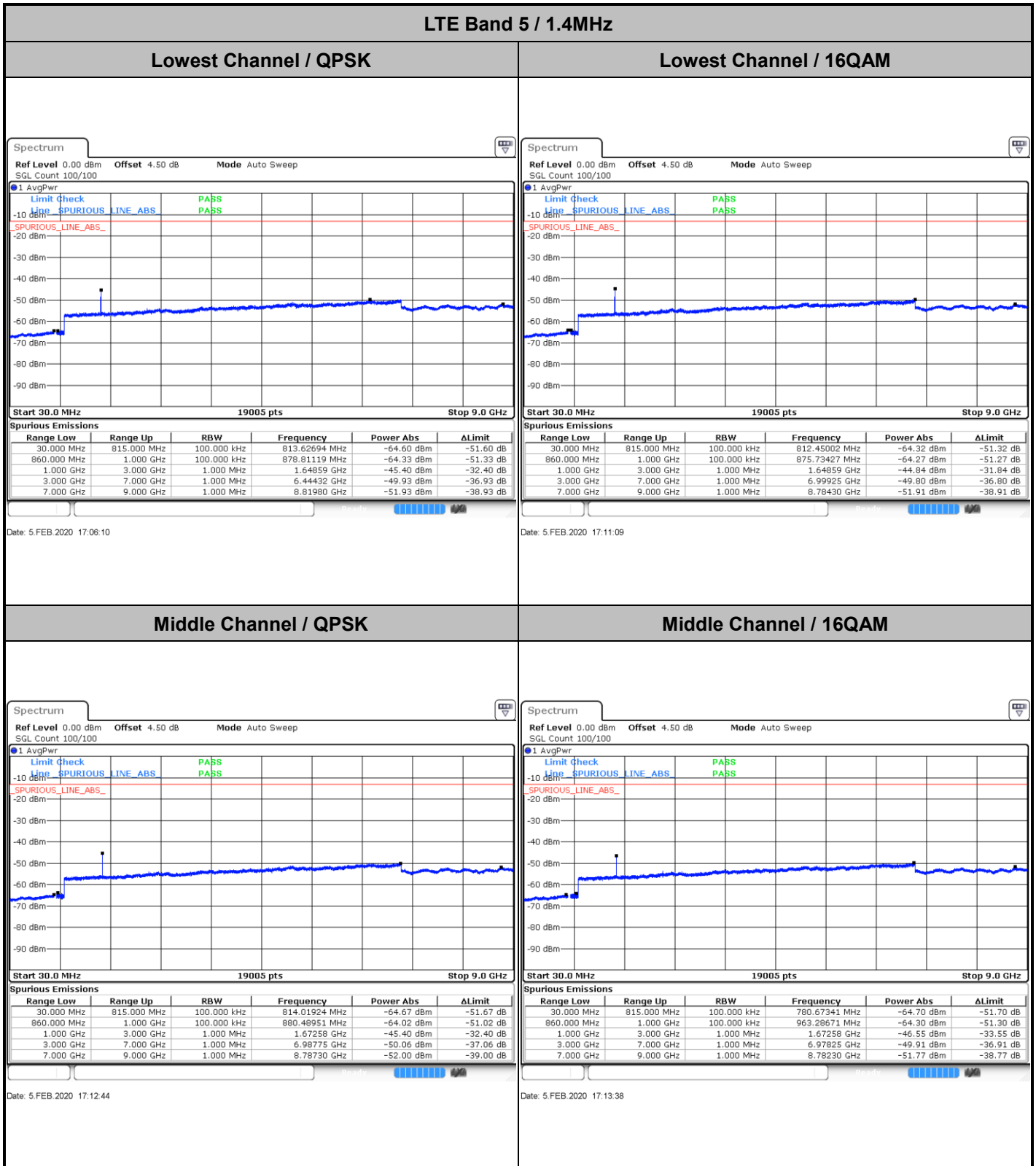
Highest Band Edge / Full RB



Date: 15.FEB.2020 02:16:51



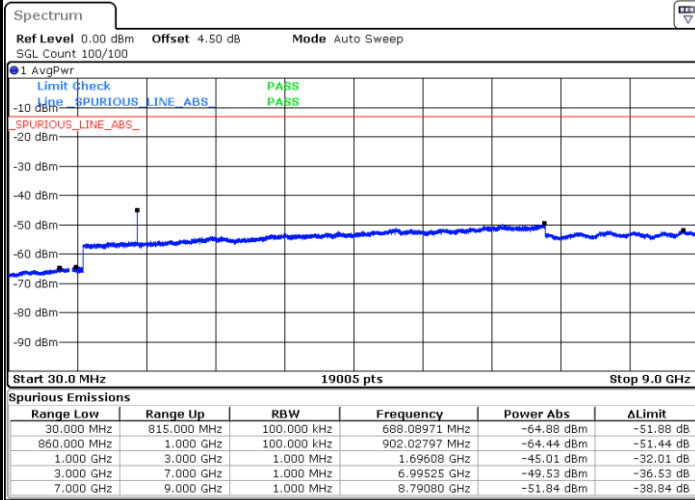
Conducted Spurious Emission





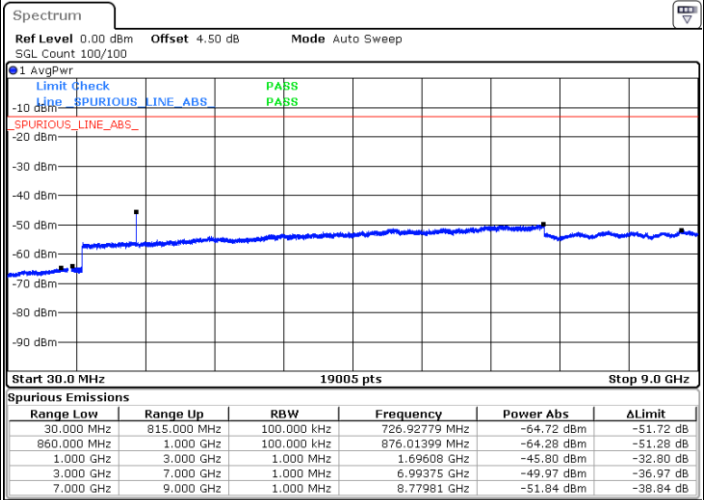
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 5 FEB 2020 17:21:43

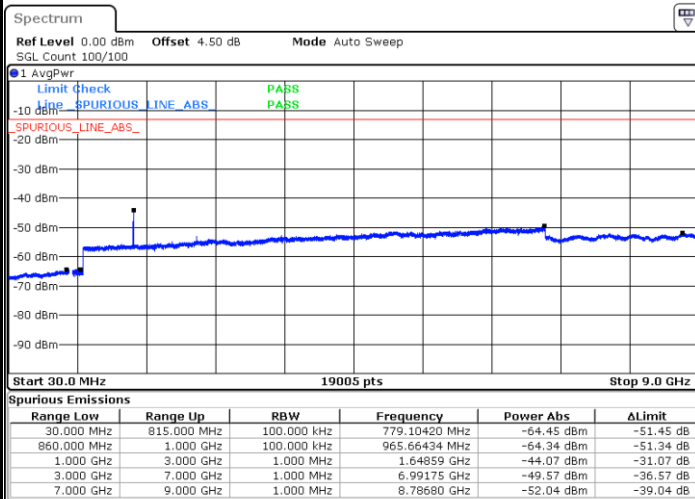
Highest Channel / 16QAM



Date: 5 FEB 2020 17:22:37

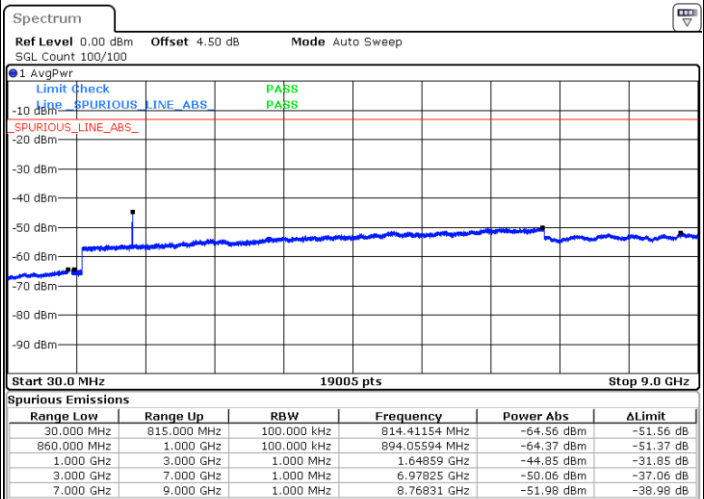
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 5 FEB 2020 17:30:41

Lowest Channel / 16QAM



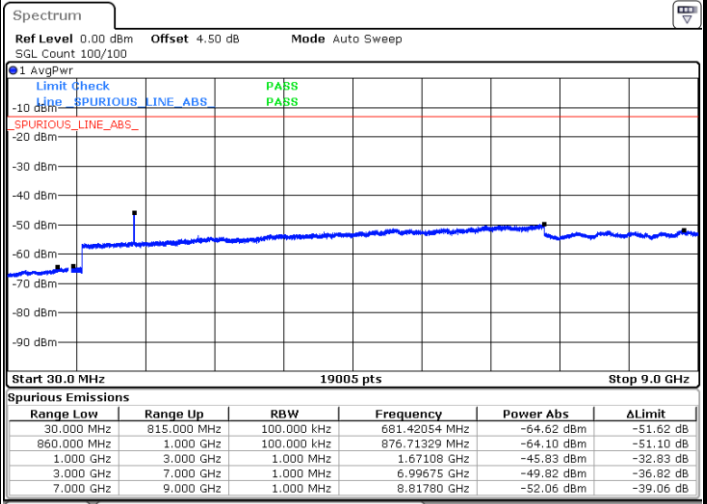
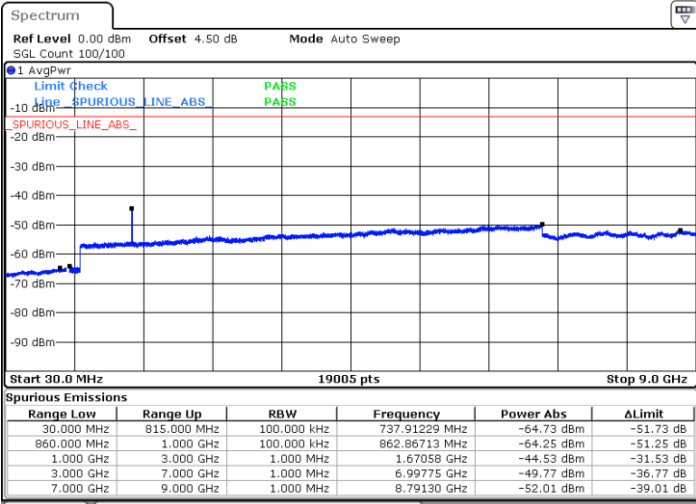
Date: 5 FEB 2020 17:31:36



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

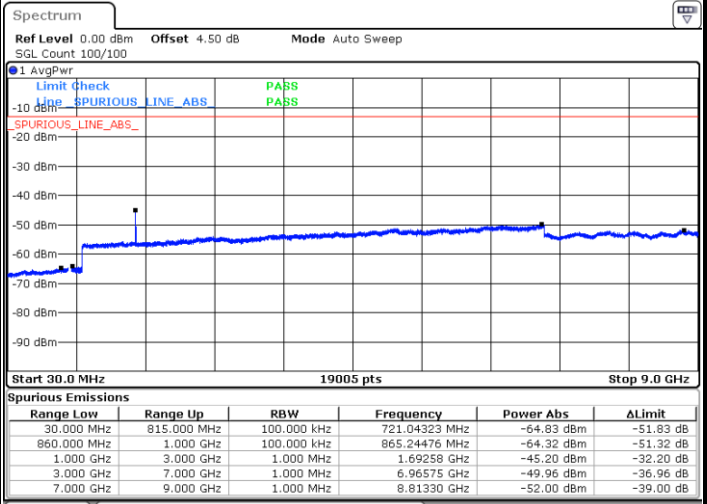
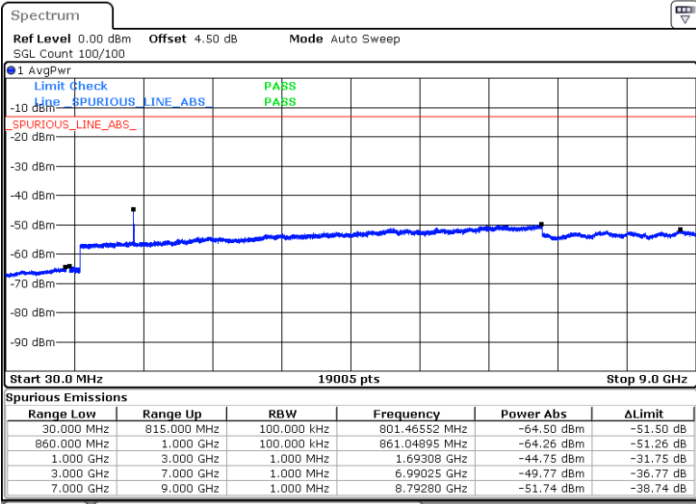


Date: 5 FEB 2020 17:33:10

Date: 5 FEB 2020 17:34:04

Highest Channel / QPSK

Highest Channel / 16QAM

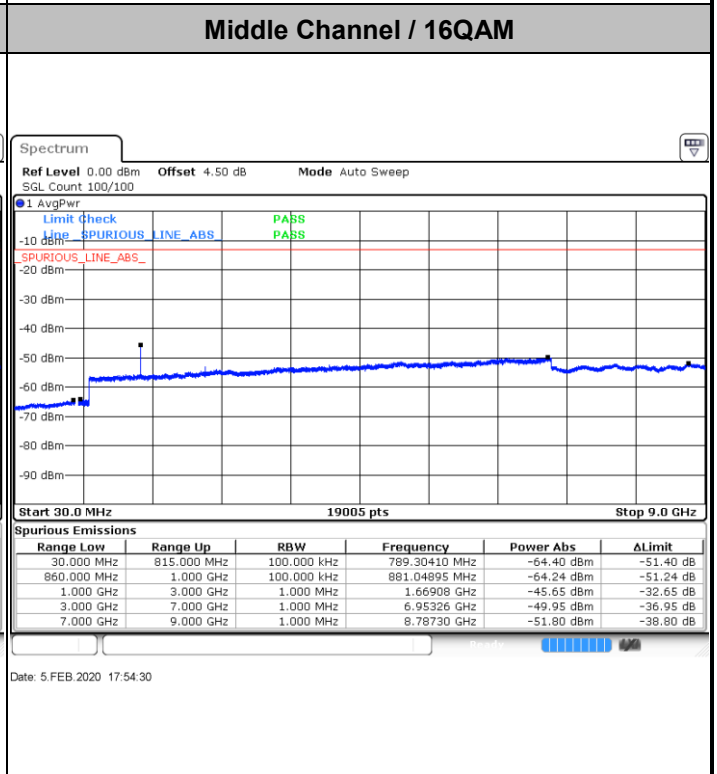
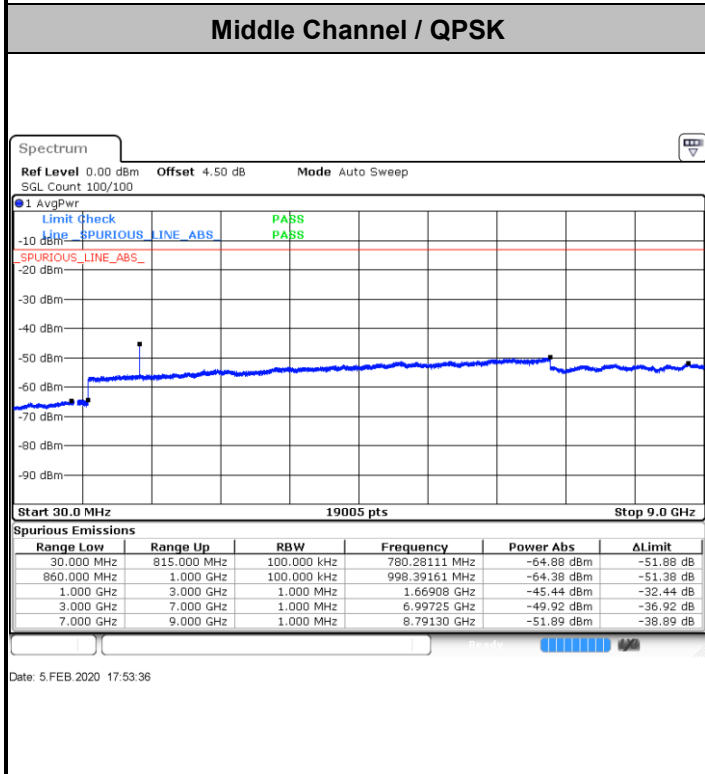
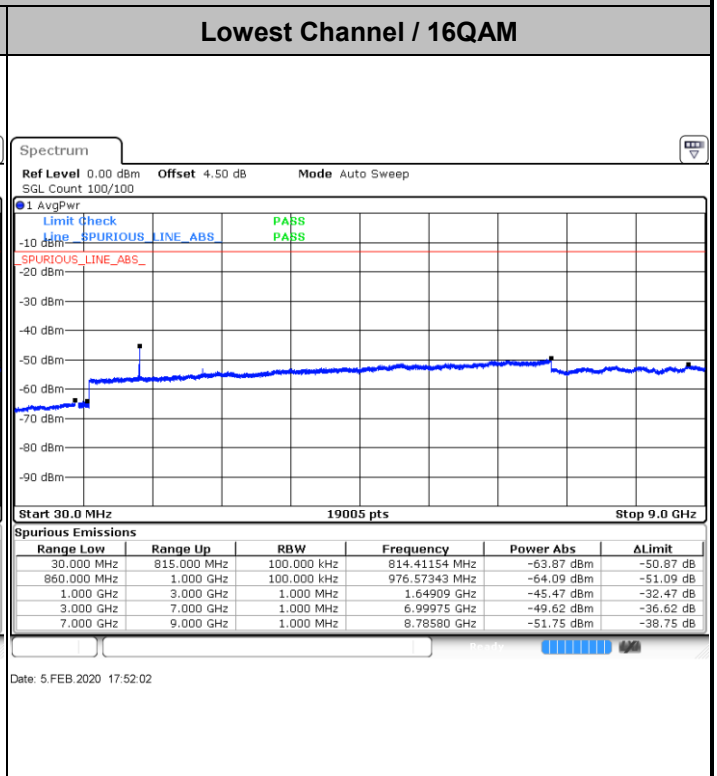
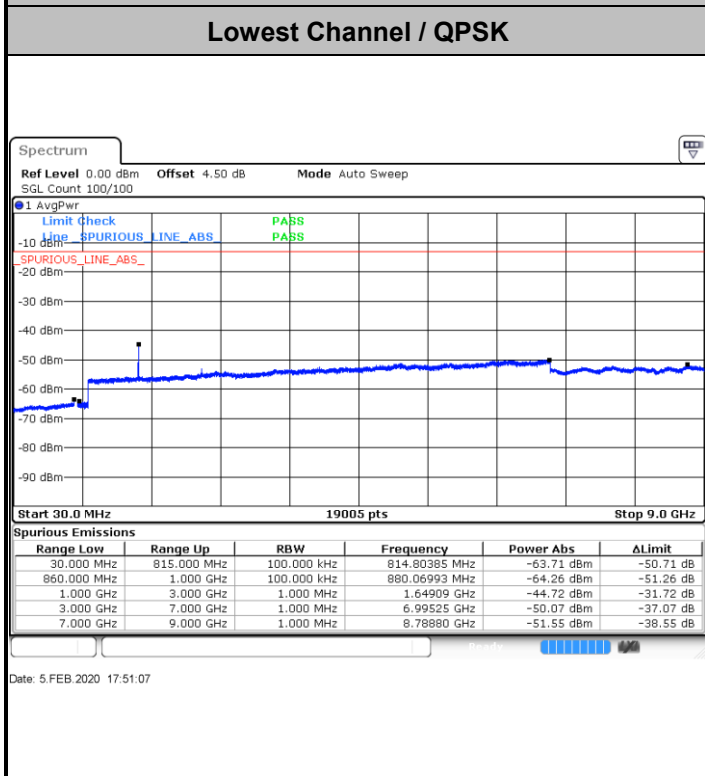


Date: 5 FEB 2020 17:42:08

Date: 5 FEB 2020 17:43:03



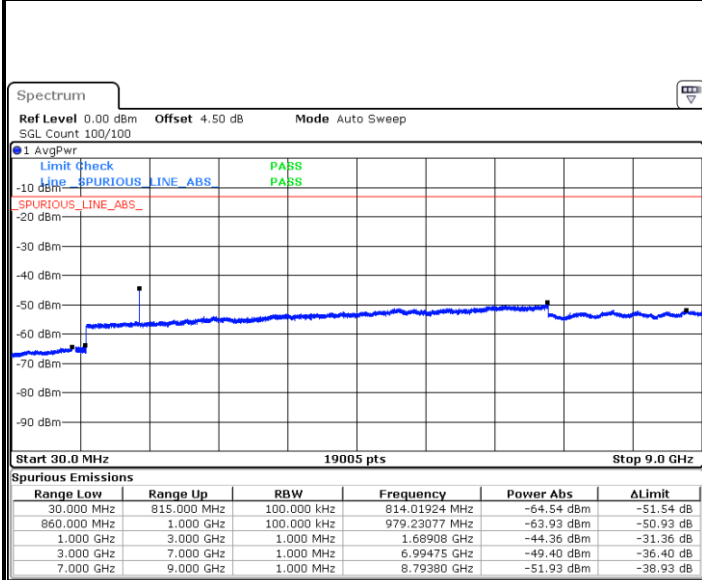
LTE Band 5 / 5MHz





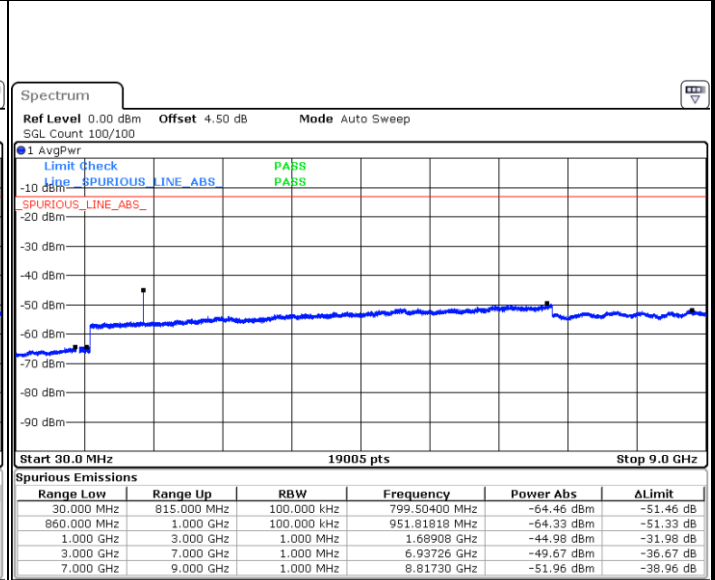
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 5 FEB 2020 18:02:35

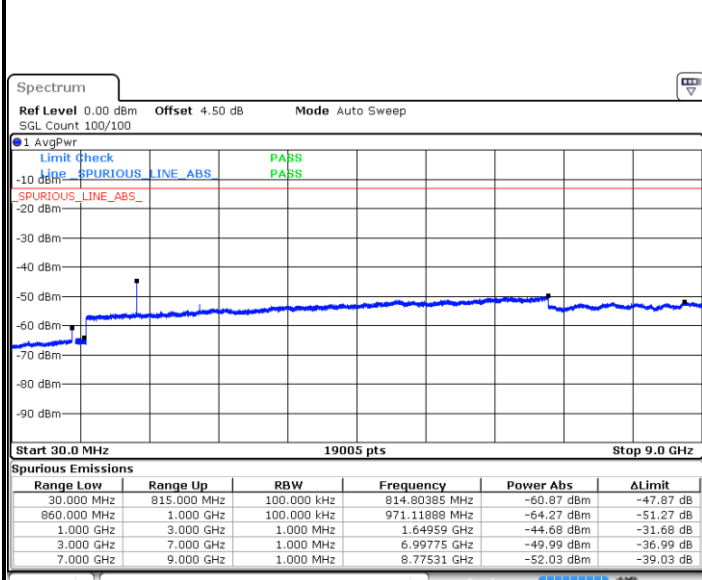
Highest Channel / 16QAM



Date: 5 FEB 2020 18:03:29

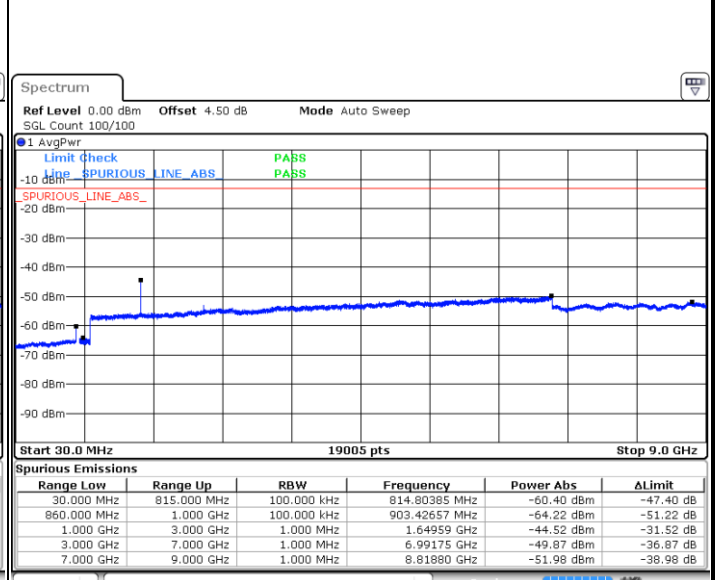
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 5 FEB 2020 18:11:33

Lowest Channel / 16QAM

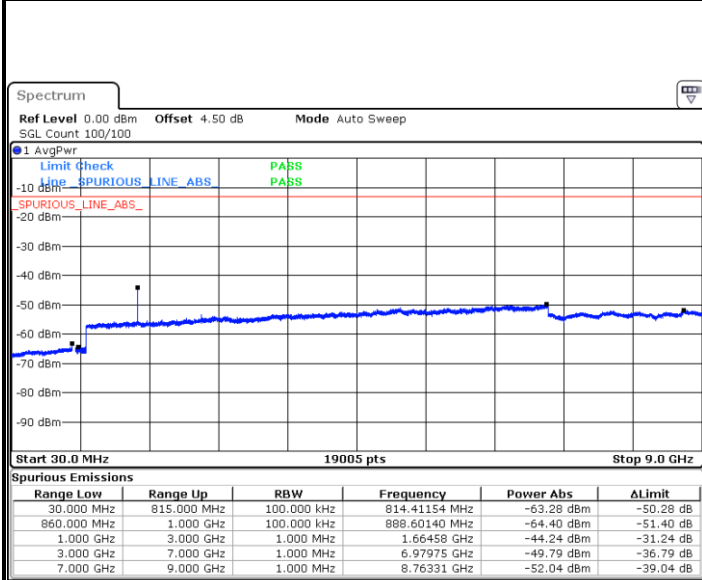


Date: 5 FEB 2020 18:12:28



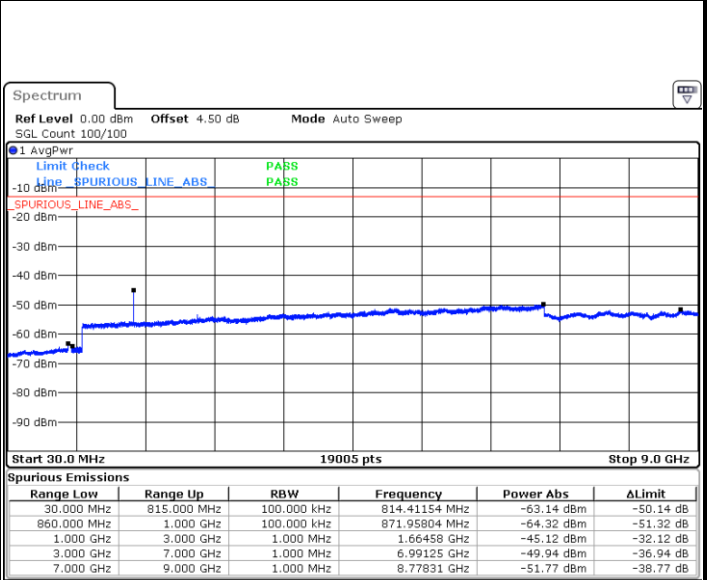
LTE Band 5 / 10MHz

Middle Channel / QPSK



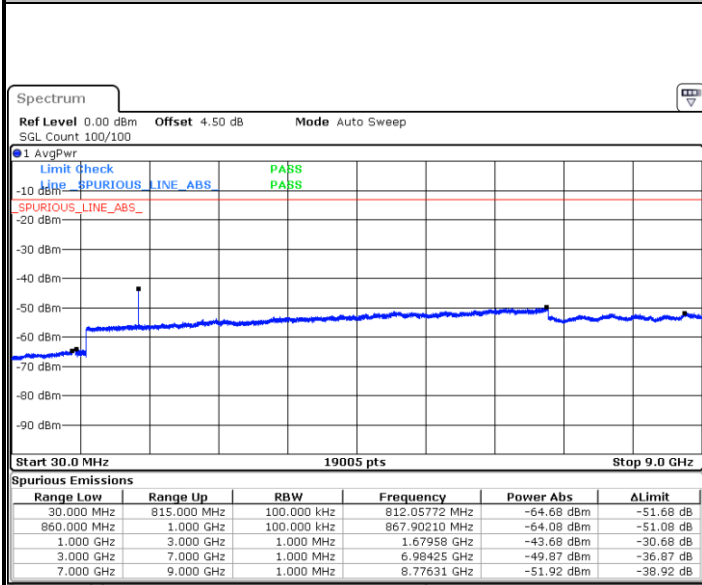
Date: 5 FEB 2020 18:14:02

Middle Channel / 16QAM



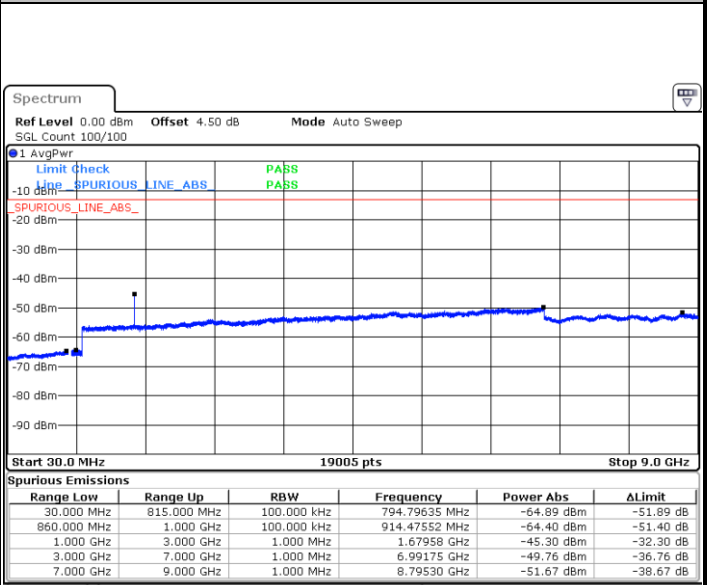
Date: 5 FEB 2020 18:14:56

Highest Channel / QPSK



Date: 5 FEB 2020 18:23:01

Highest Channel / 16QAM



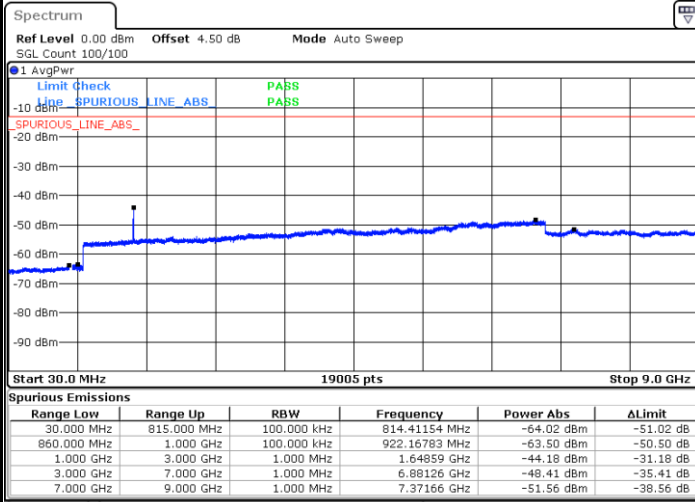
Date: 5 FEB 2020 18:23:55



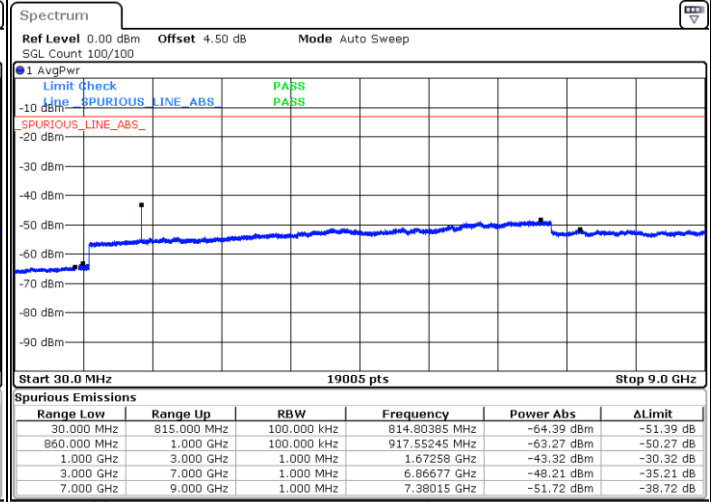
LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

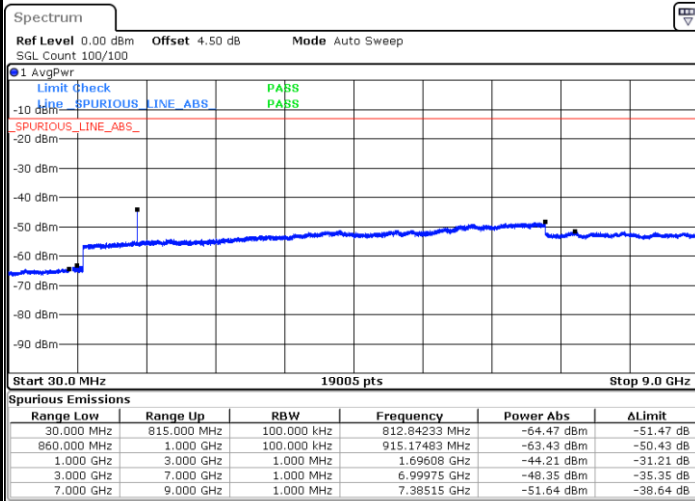


Date: 15.FEB.2020 01:43:03



Date: 15.FEB.2020 01:43:57

Highest Channel / 64QAM



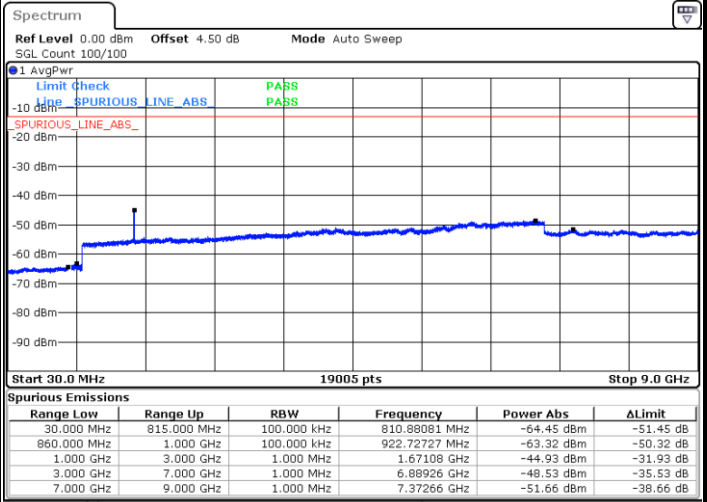
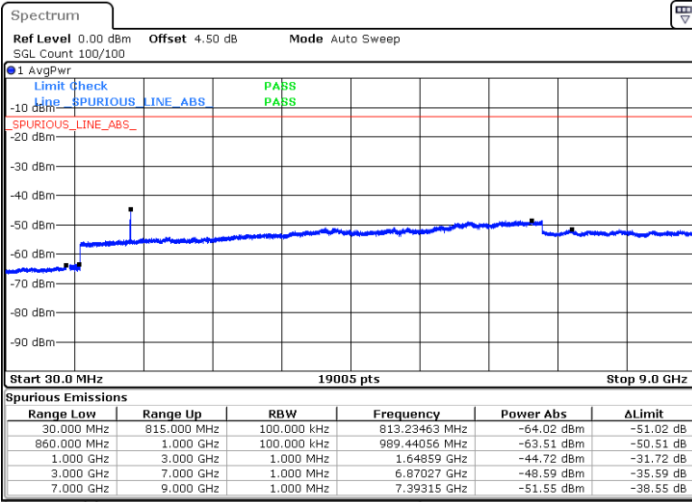
Date: 15.FEB.2020 01:48:46



LTE Band 5 / 3MHz

Lowest Channel / 64QAM

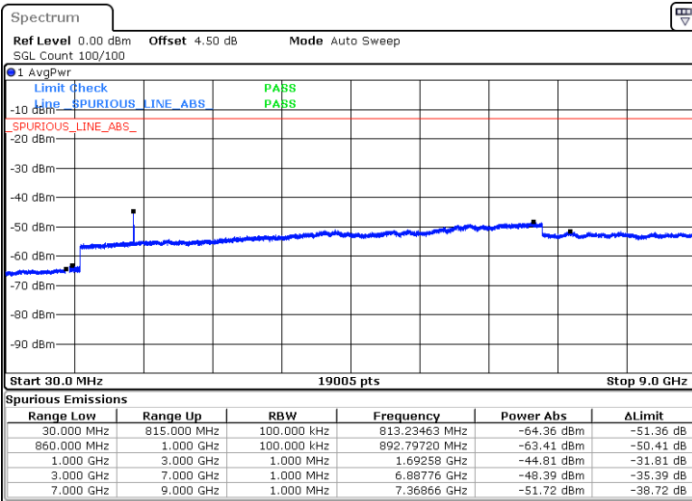
Middle Channel / 64QAM



Date: 15.FEB.2020 01:53:15

Date: 15.FEB.2020 01:54:09

Highest Channel / 64QAM



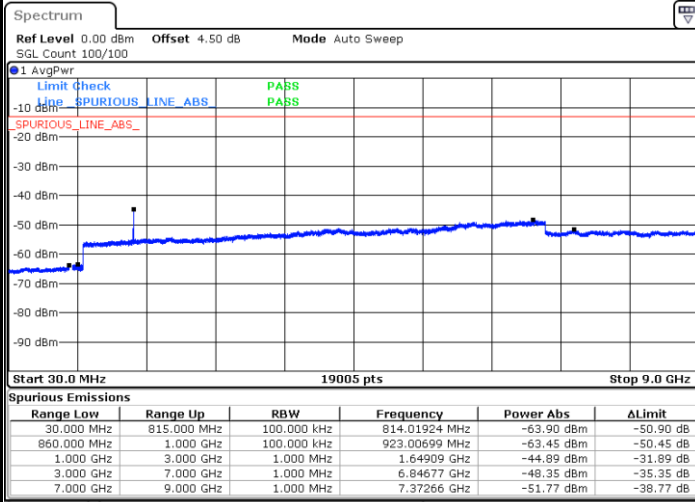
Date: 15.FEB.2020 01:58:58



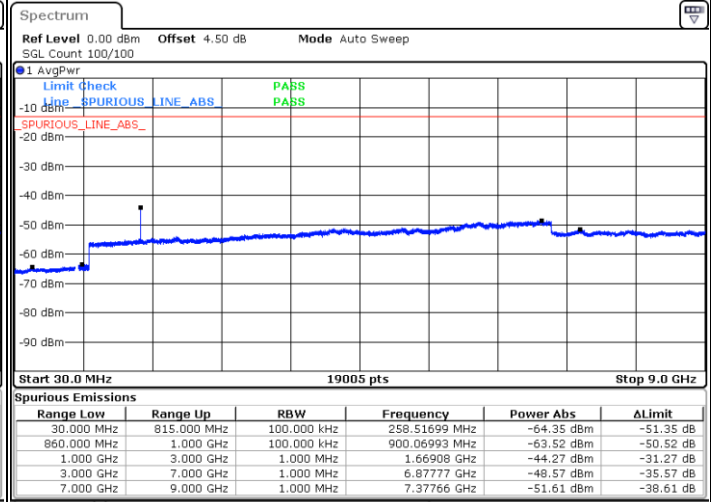
LTE Band 5 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

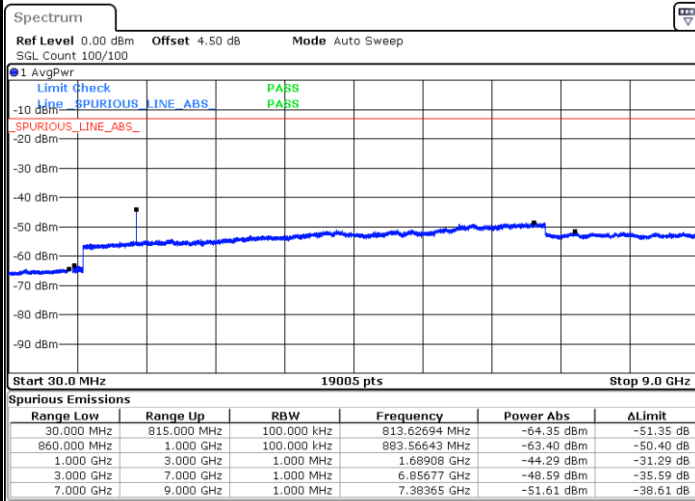


Date: 15.FEB.2020 02:03:27



Date: 15.FEB.2020 02:04:21

Highest Channel / 64QAM



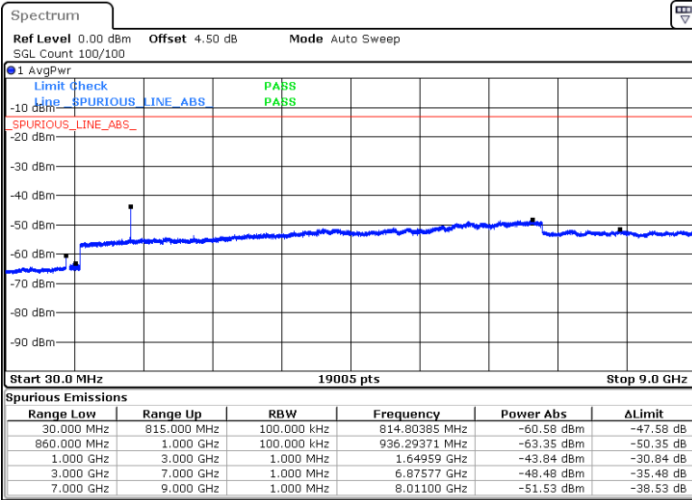
Date: 15.FEB.2020 02:09:10



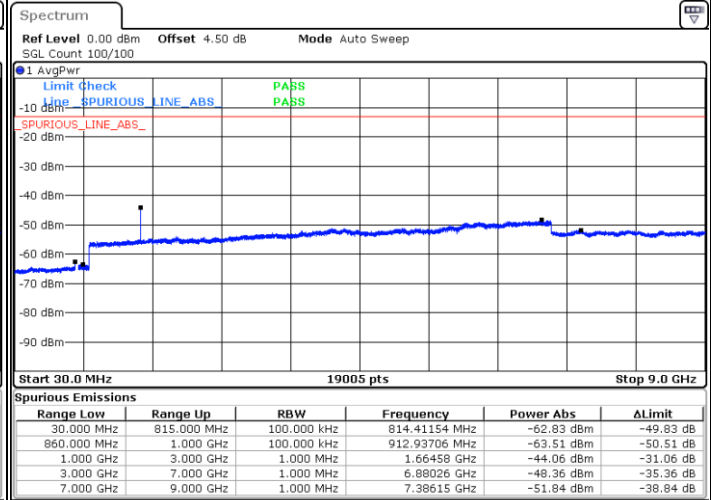
LTE Band 5 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

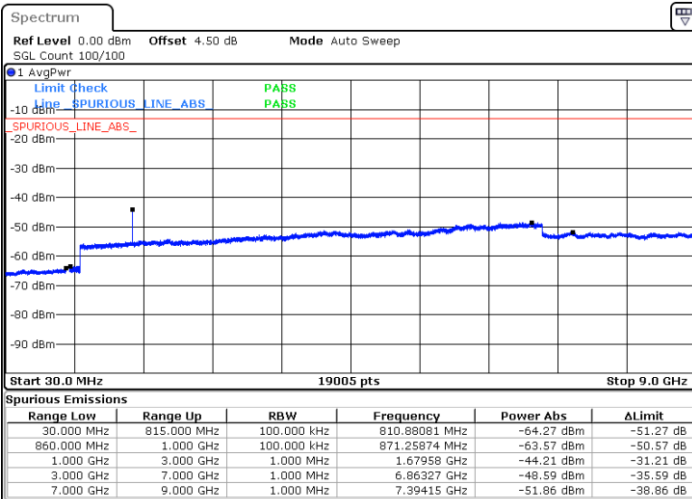


Date: 15.FEB.2020 02:13:38



Date: 15.FEB.2020 02:14:33

Highest Channel / 64QAM



Date: 15.FEB.2020 02:19:21



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	0.0050	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0056	
0	Normal Voltage	0.0059	
-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:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.7 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

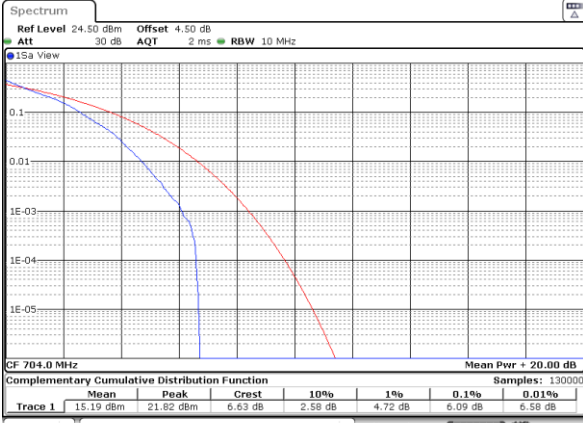
Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.09	4.93	6.55	5.97	PASS
Middle CH	4.17	5.48	4.96	6.00	
Highest CH	4.32	5.39	4.90	6.41	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM		-		Limit: 13dB
RB Size	1RB	Full RB	-	-	Result
Lowest CH	6.70	6.12	-	-	PASS
Middle CH	5.74	6.20	-	-	
Highest CH	5.10	6.38	-	-	



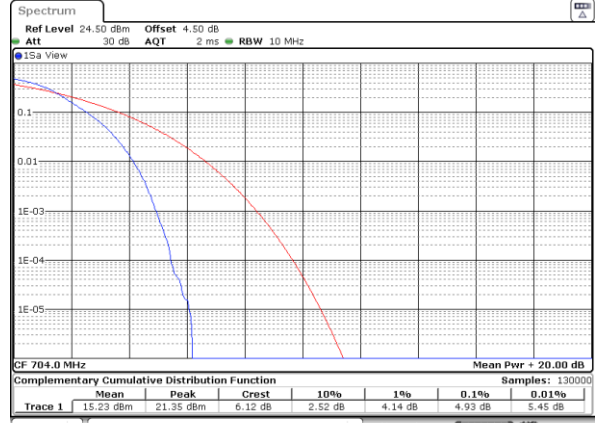
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



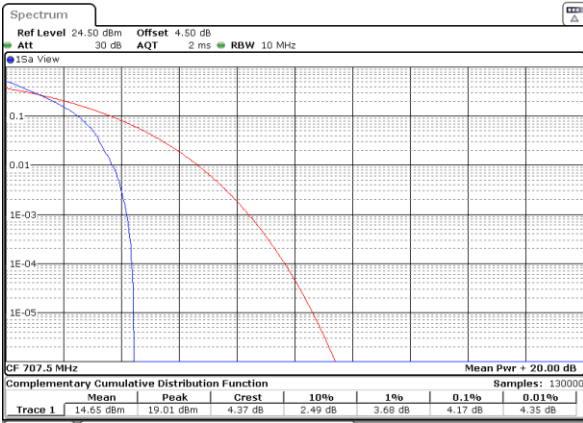
Date: 6 FEB 2020 09:07:28

Lowest Channel / Full RB



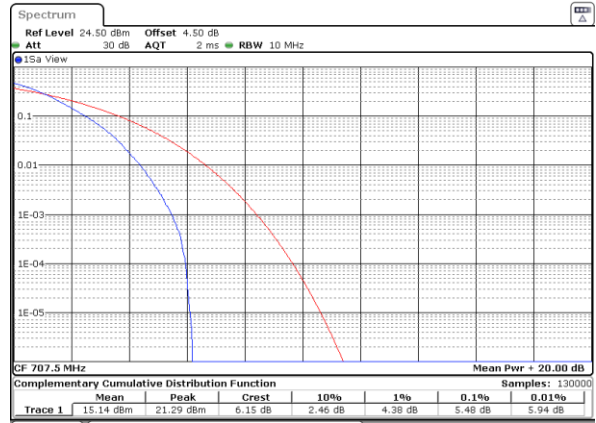
Date: 6 FEB 2020 09:07:46

Middle Channel / 1RB



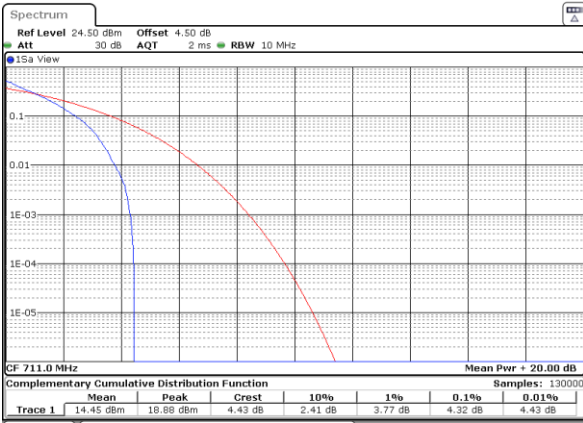
Date: 6 FEB 2020 09:09:04

Middle Channel / Full RB



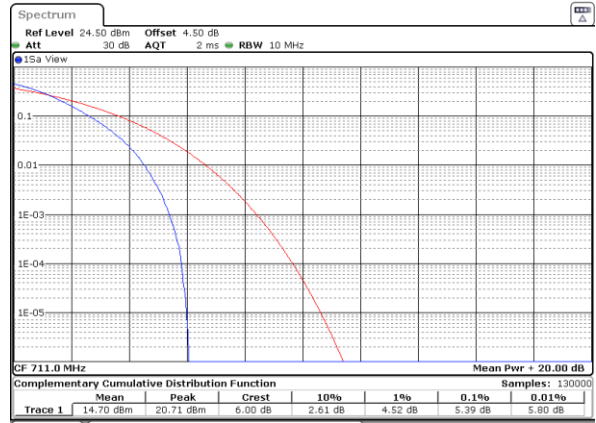
Date: 6 FEB 2020 09:08:54

Highest Channel / 1RB



Date: 6 FEB 2020 09:09:31

Highest Channel / Full RB



Date: 6 FEB 2020 09:09:40