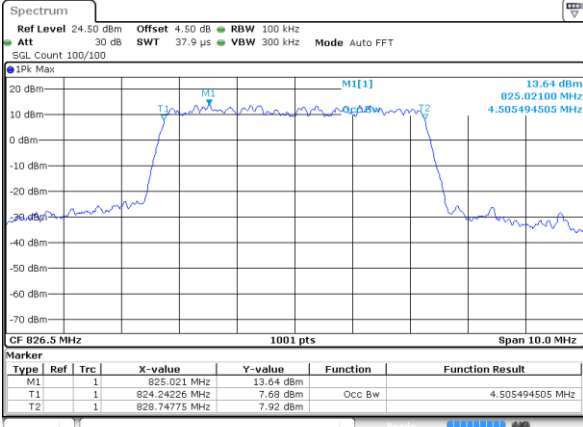




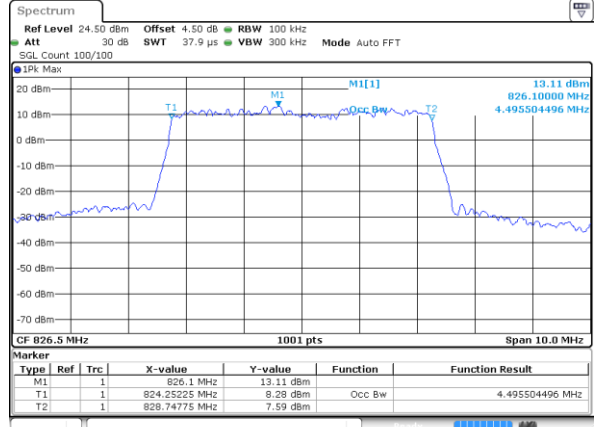
LTE Band 5

Lowest Channel / 5MHz / QPSK



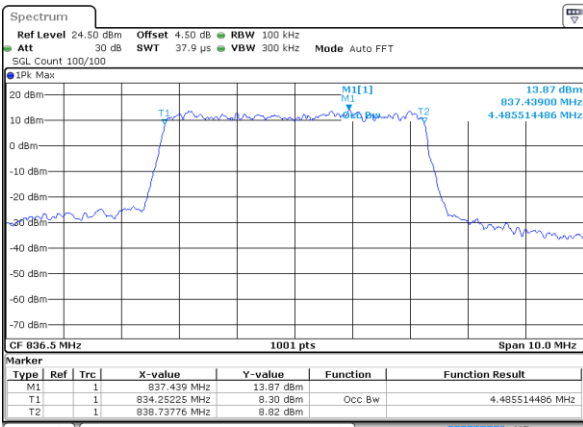
Date: 24.OCT.2019 21:27:51

Lowest Channel / 5MHz / 16QAM



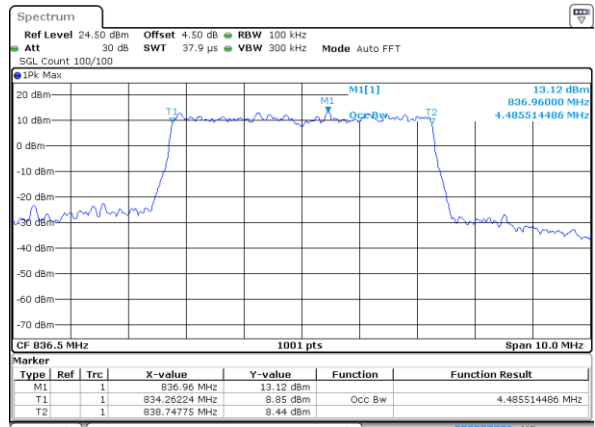
Date: 24.OCT.2019 21:28:04

Middle Channel / 5MHz / QPSK



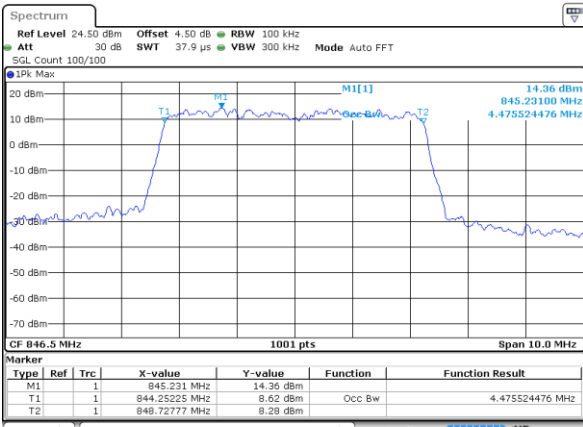
Date: 24.OCT.2019 19:26:58

Middle Channel / 5MHz / 16QAM



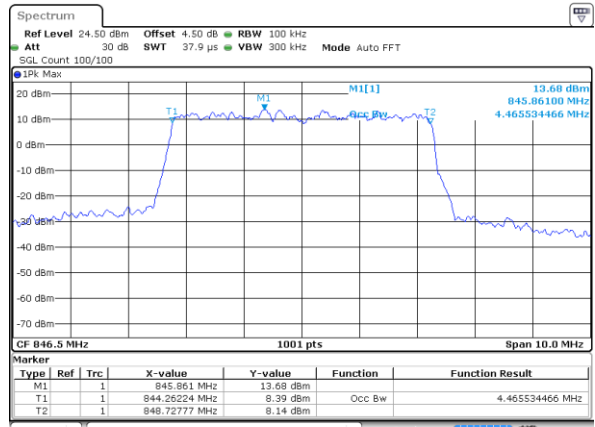
Date: 24.OCT.2019 19:27:08

Highest Channel / 5MHz / QPSK



Date: 24.OCT.2019 19:29:25

Highest Channel / 5MHz / 16QAM

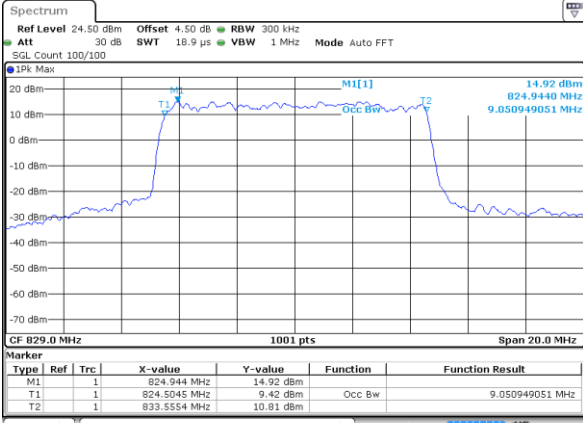


Date: 24.OCT.2019 19:29:35



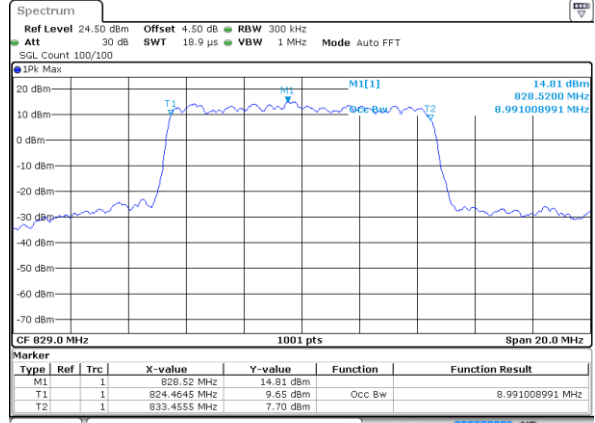
LTE Band 5

Lowest Channel / 10MHz / QPSK



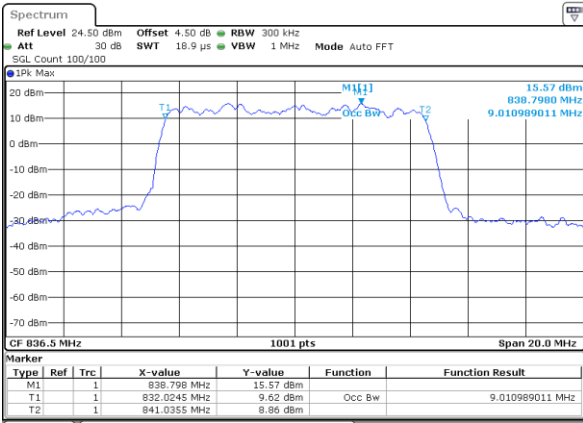
Date: 24.OCT.2019 19:38:26

Lowest Channel / 10MHz / 16QAM



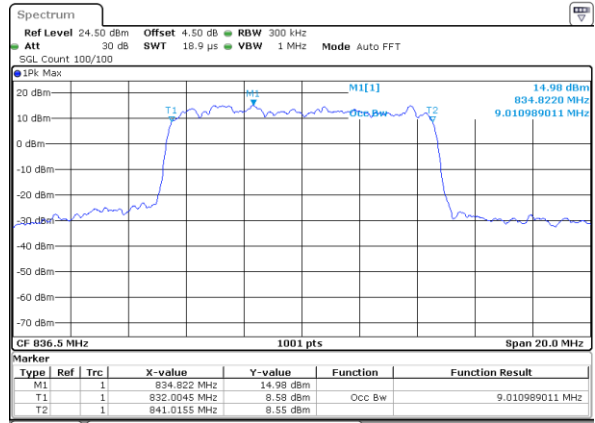
Date: 24.OCT.2019 19:38:36

Middle Channel / 10MHz / QPSK



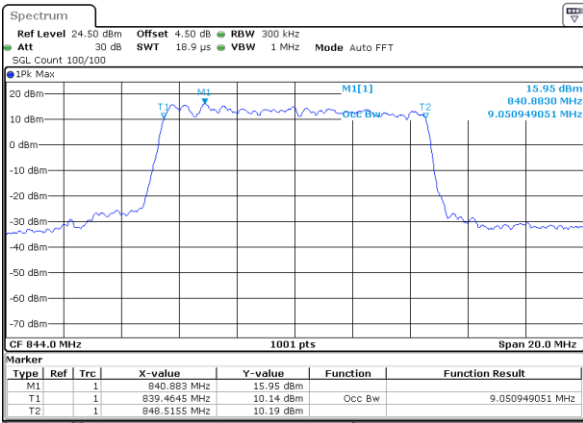
Date: 24.OCT.2019 19:47:27

Middle Channel / 10MHz / 16QAM



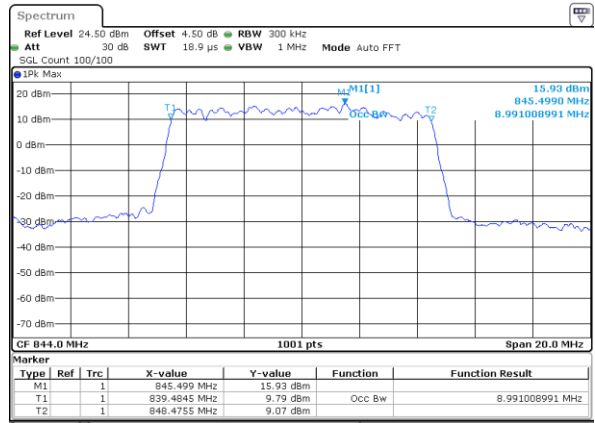
Date: 24.OCT.2019 19:47:37

Highest Channel / 10MHz / QPSK



Date: 24.OCT.2019 19:49:54

Highest Channel / 10MHz / 16QAM

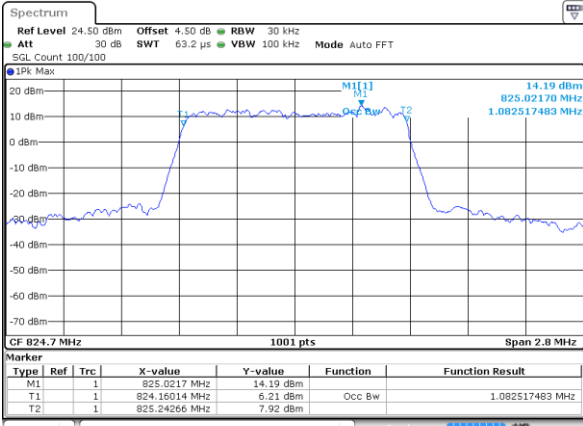


Date: 24.OCT.2019 19:50:04

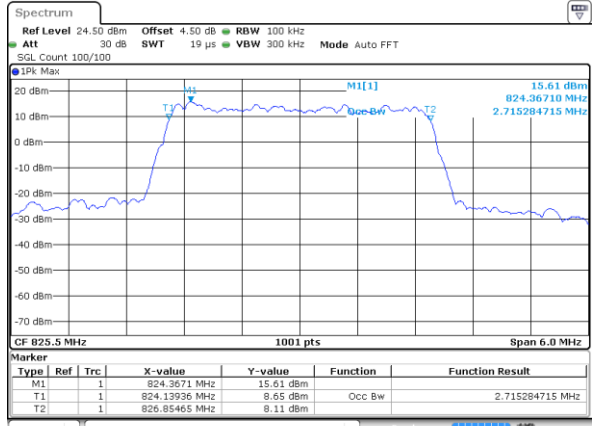


LTE Band 5

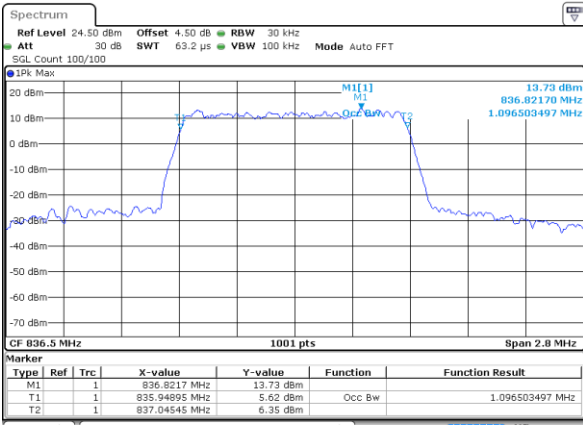
Lowest Channel / 1.4MHz / 64QAM



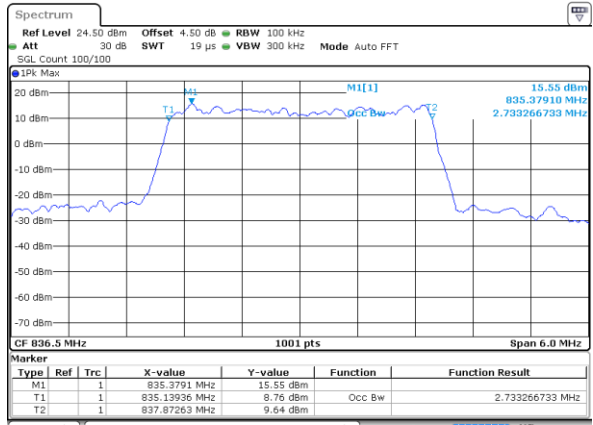
Lowest Channel / 3MHz / 64QAM



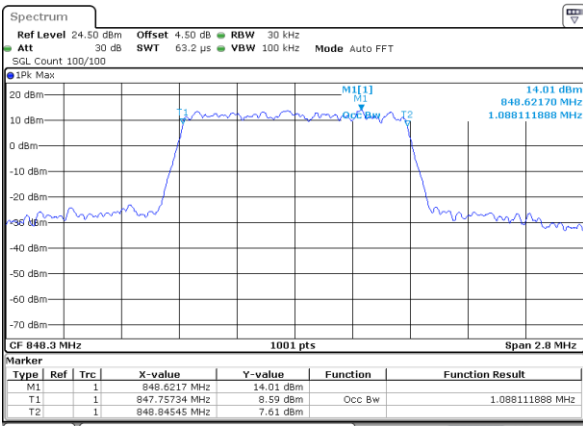
Middle Channel / 1.4MHz / 64QAM



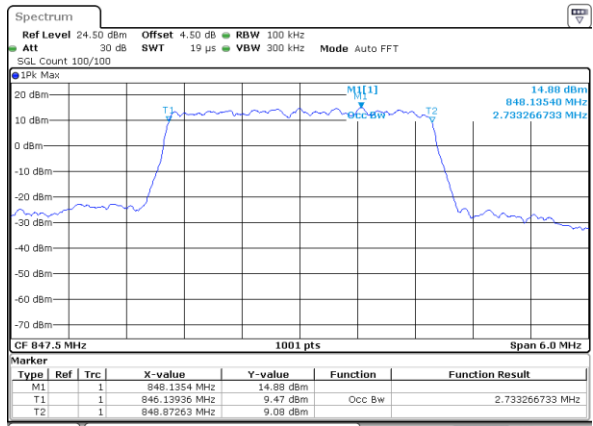
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



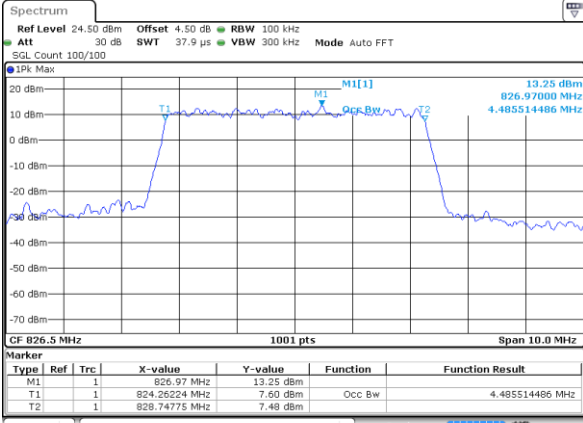
Highest Channel / 3MHz / 64QAM





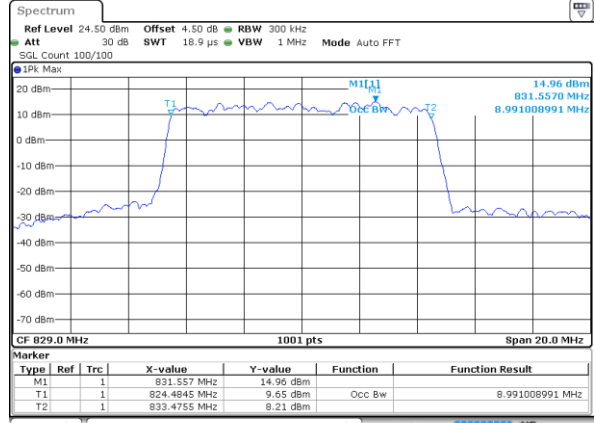
LTE Band 5

Lowest Channel / 5MHz / 64QAM



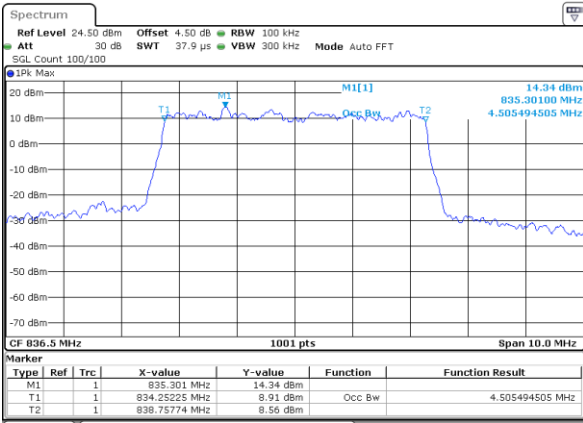
Date: 24.OCT.2019 20:21:49

Lowest Channel / 10MHz / 64QAM



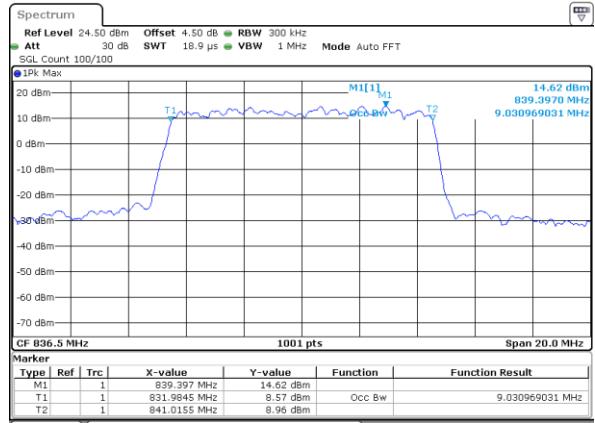
Date: 24.OCT.2019 20:32:03

Middle Channel / 5MHz / 64QAM



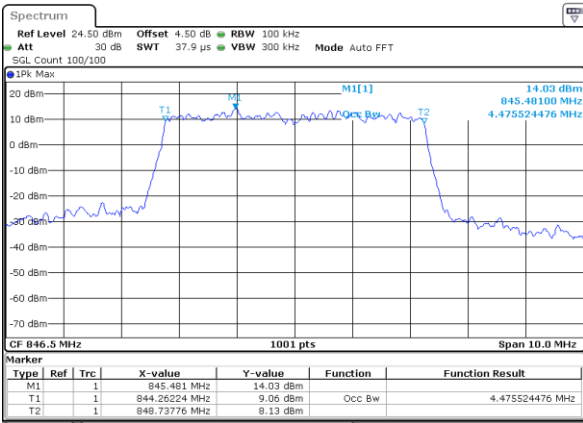
Date: 24.OCT.2019 20:27:13

Middle Channel / 10MHz / 64QAM



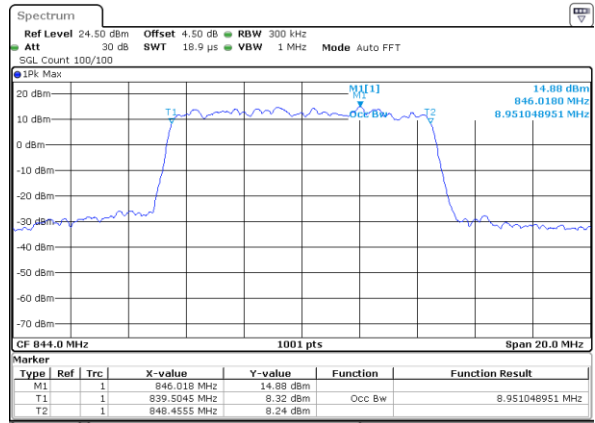
Date: 24.OCT.2019 20:37:27

Highest Channel / 5MHz / 64QAM



Date: 24.OCT.2019 20:27:32

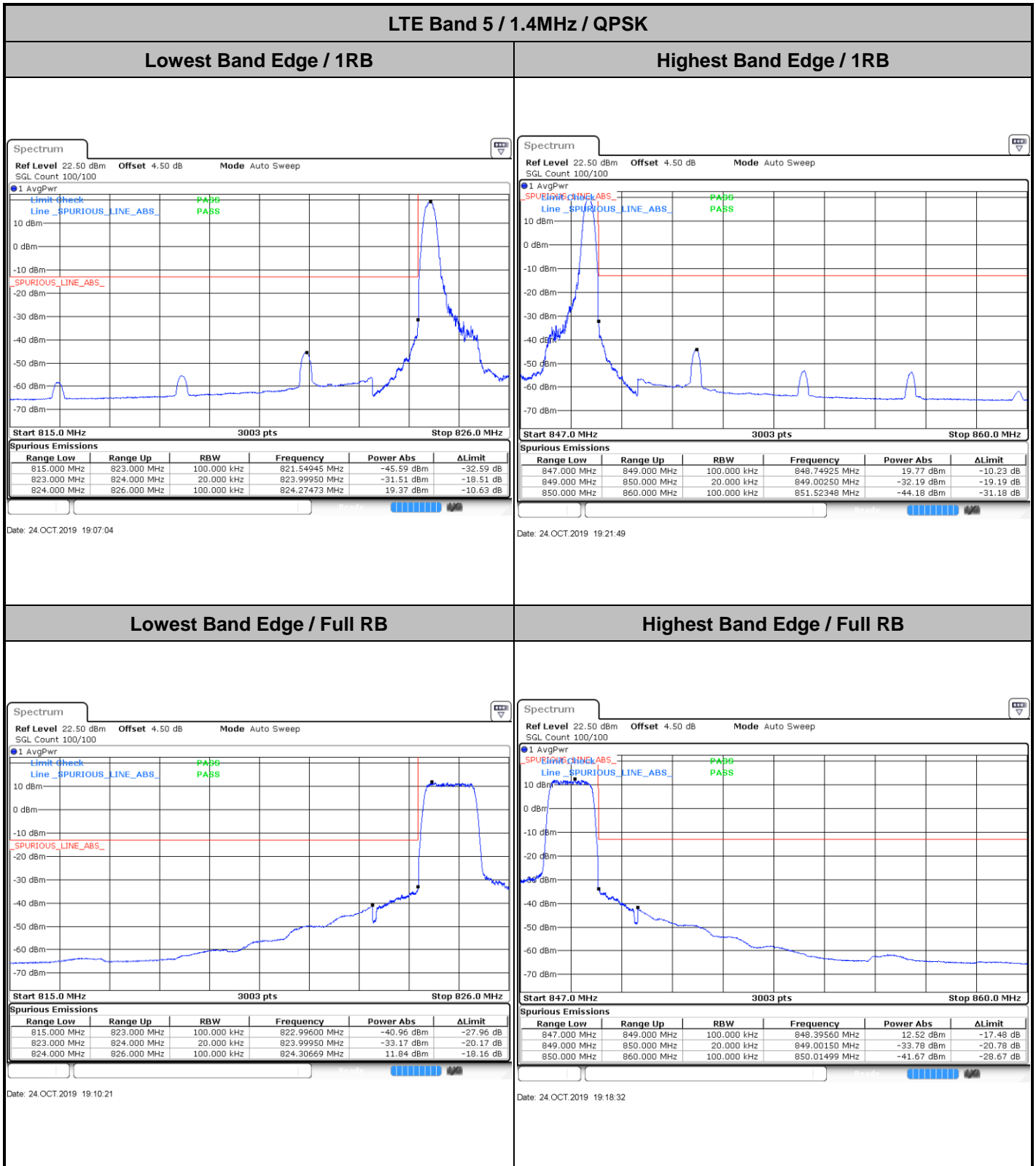
Highest Channel / 10MHz / 64QAM



Date: 24.OCT.2019 20:37:47



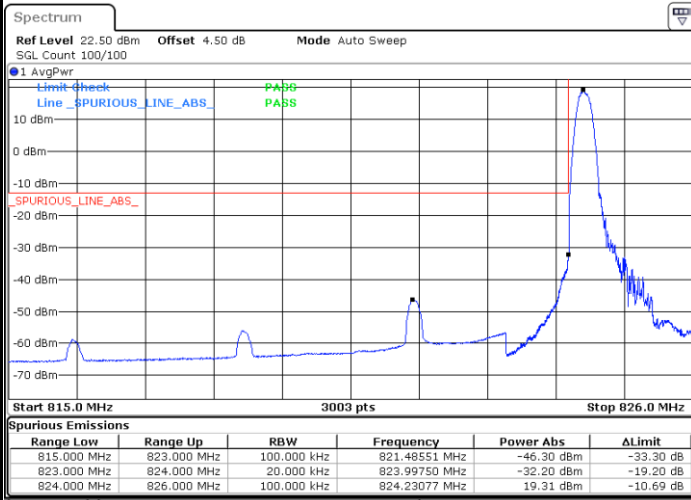
# Conducted Band Edge





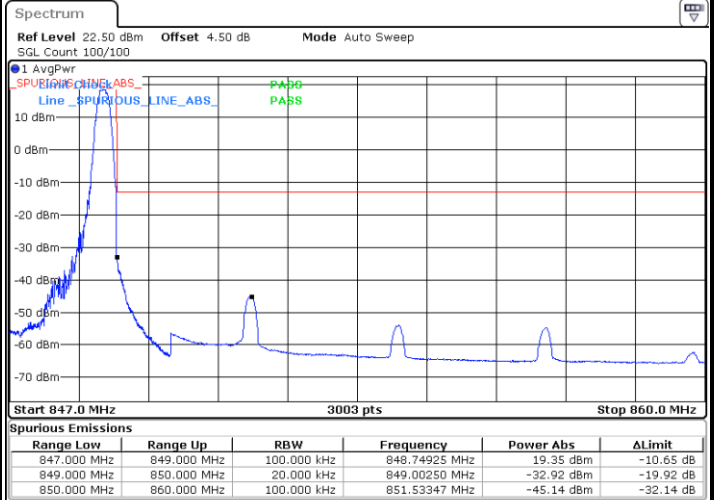
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



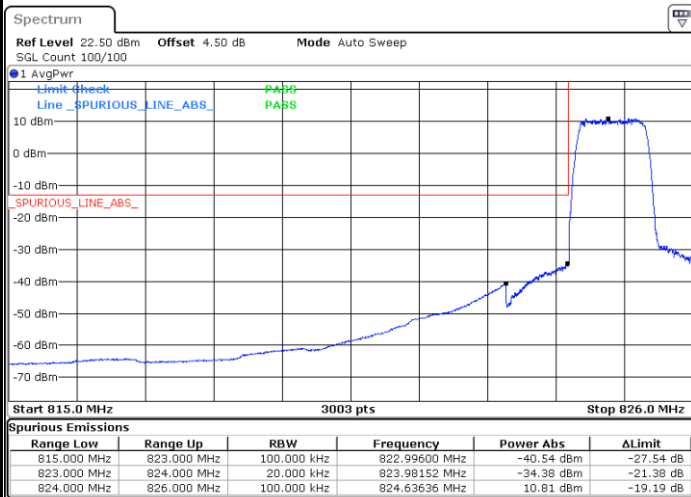
Date: 24.OCT.2019 19:08:42

Highest Band Edge / 1 RB



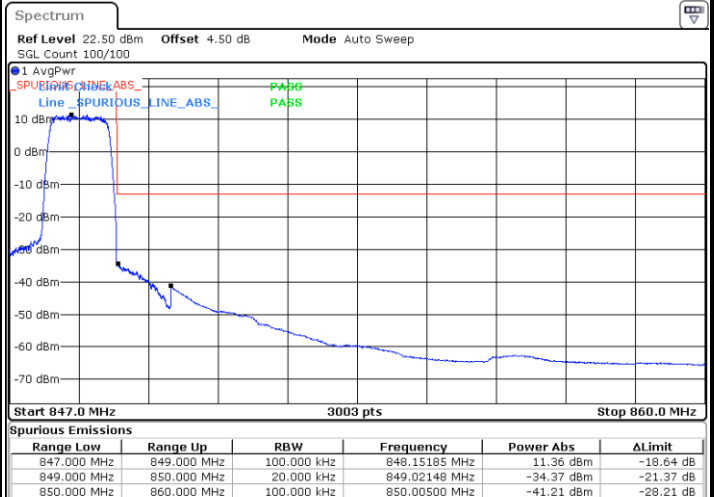
Date: 24.OCT.2019 19:23:28

Lowest Band Edge / Full RB



Date: 24.OCT.2019 19:11:59

Highest Band Edge / Full RB

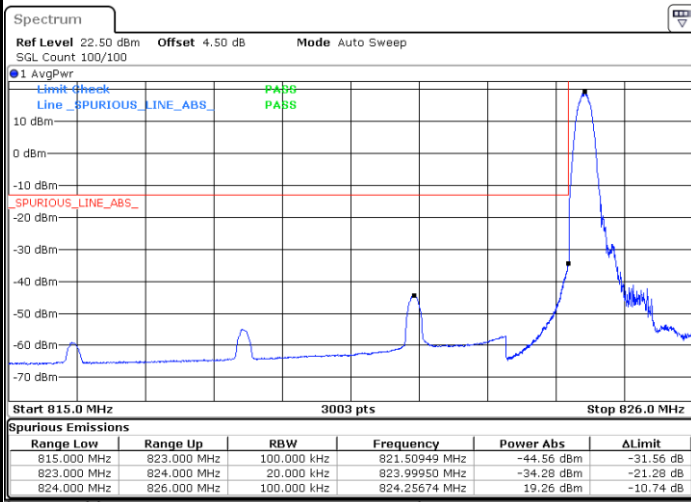


Date: 24.OCT.2019 19:20:10



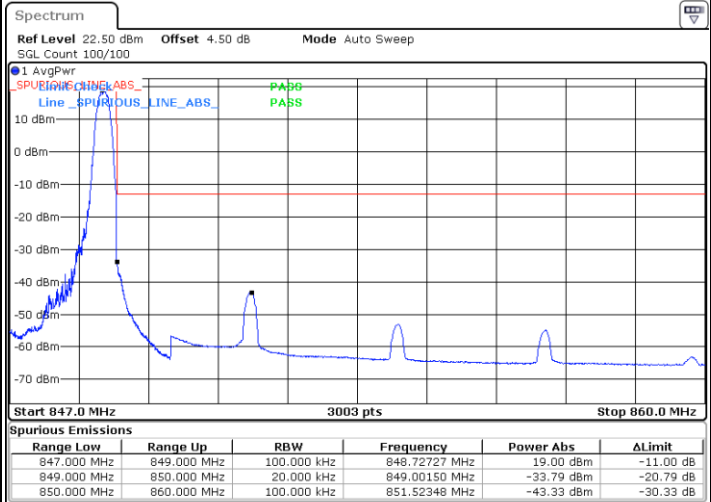
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



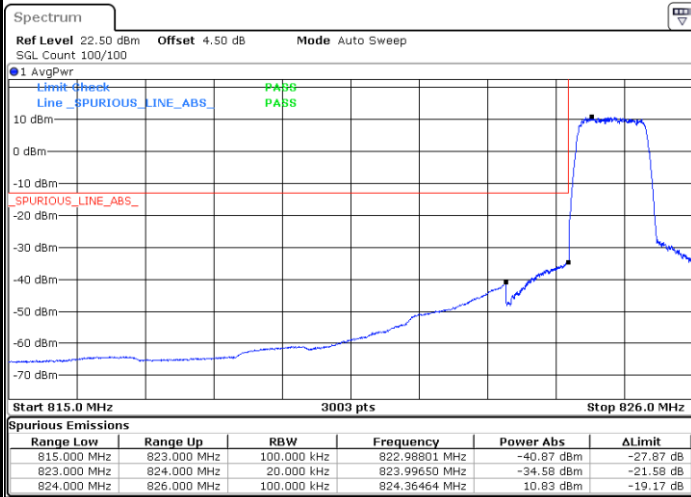
Date: 24.OCT.2019 20:04:47

Highest Band Edge / 1 RB



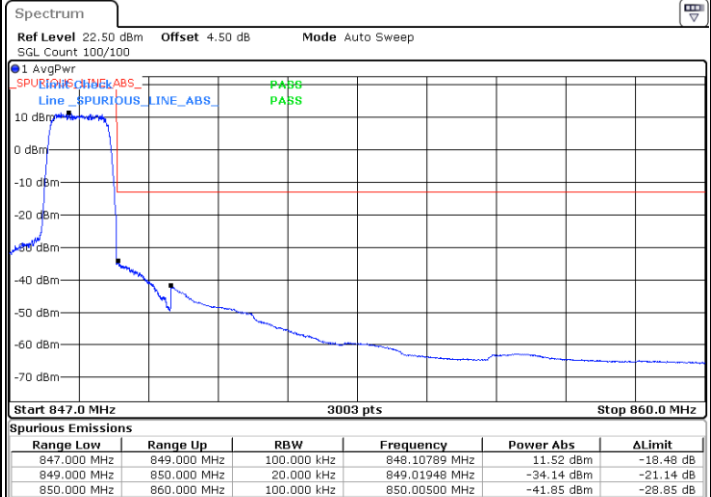
Date: 24.OCT.2019 20:10:31

Lowest Band Edge / Full RB



Date: 24.OCT.2019 20:03:08

Highest Band Edge / Full RB

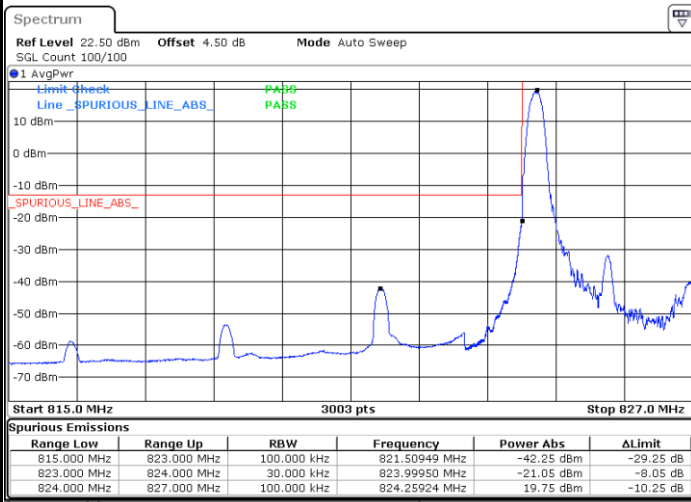


Date: 24.OCT.2019 20:08:52



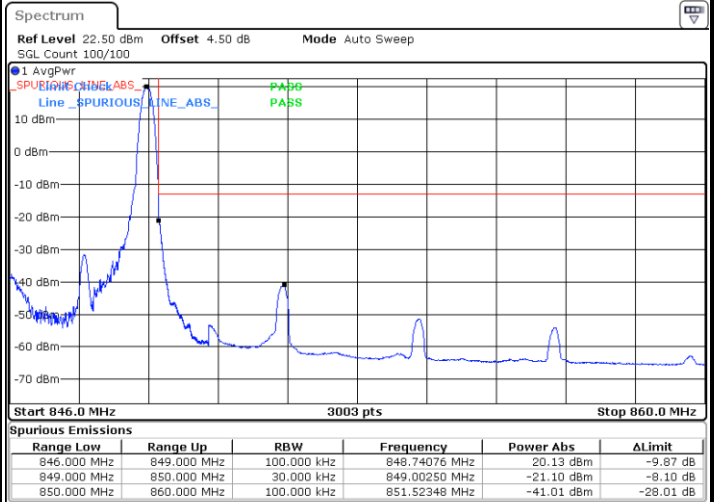
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



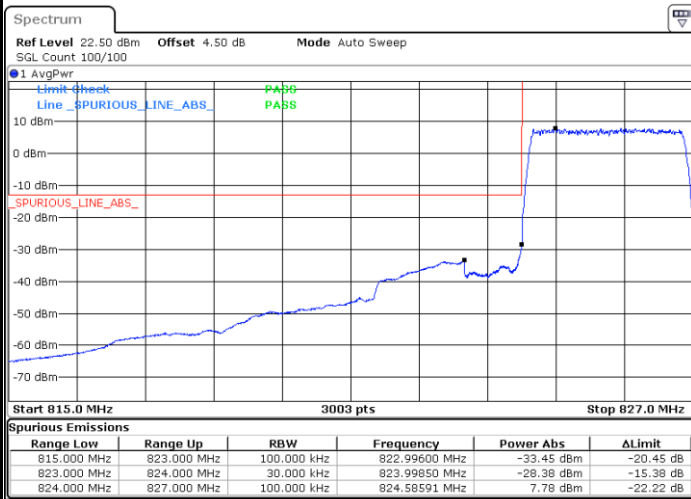
Date: 24.OCT.2019 21:10:15

Highest Band Edge / 1 RB



Date: 24.OCT.2019 21:14:22

Lowest Band Edge / Full RB



Date: 24.OCT.2019 21:13:17

Highest Band Edge / Full RB



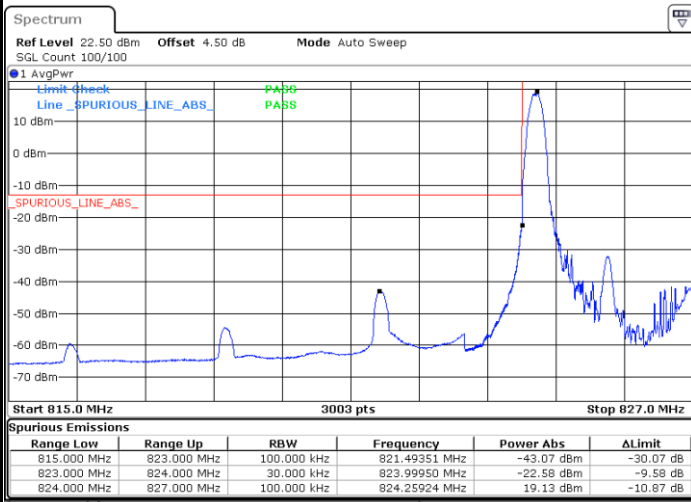
Date: 24.OCT.2019 21:17:44





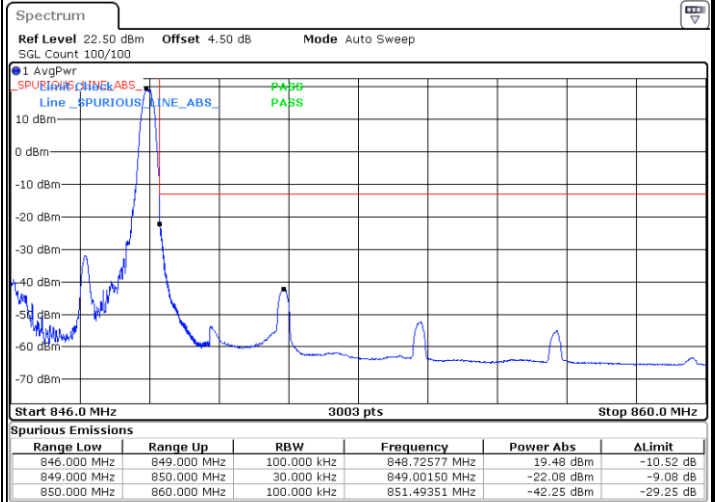
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



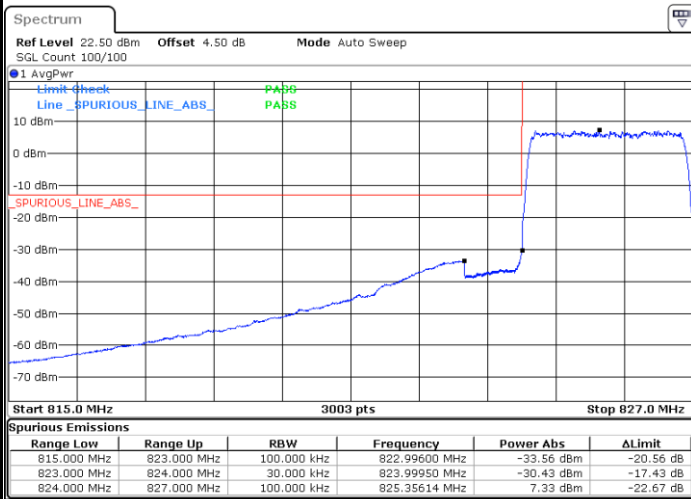
Date: 24.OCT.2019 21:11:14

Highest Band Edge / 1 RB



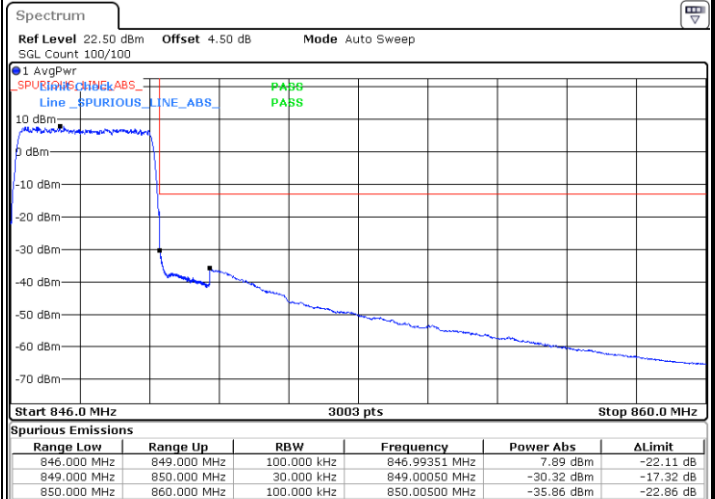
Date: 24.OCT.2019 21:15:34

Lowest Band Edge / Full RB



Date: 24.OCT.2019 21:12:15

Highest Band Edge / Full RB

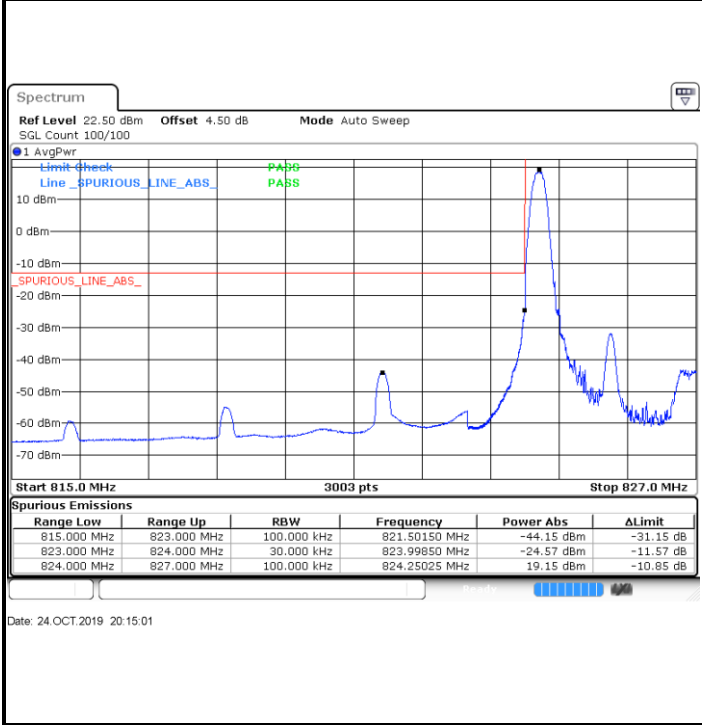


Date: 24.OCT.2019 21:16:39

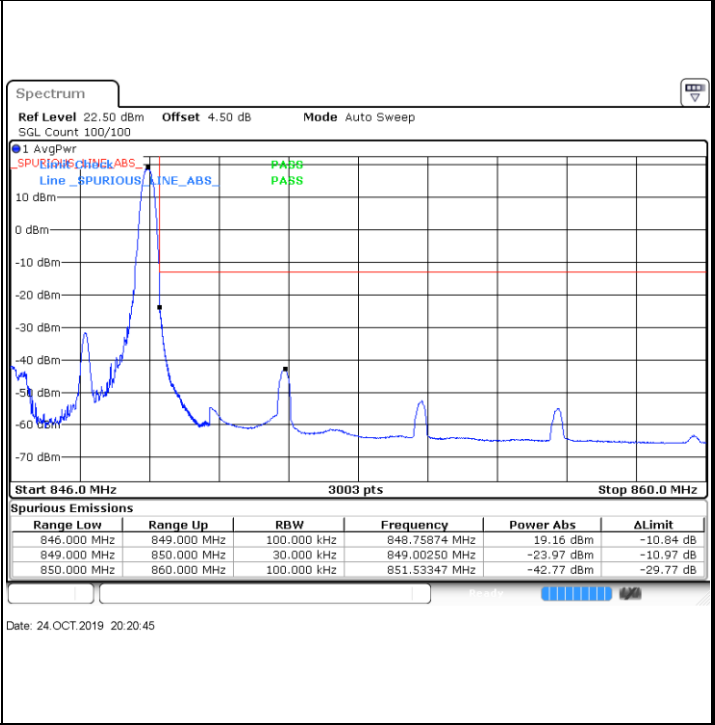


**LTE Band 5 / 3MHz / 64QAM**

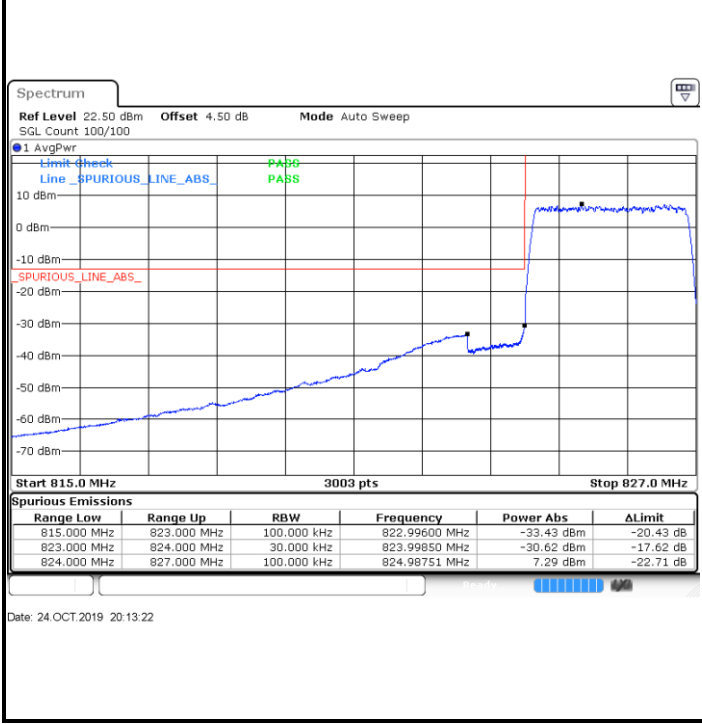
**Lowest Band Edge / 1 RB**



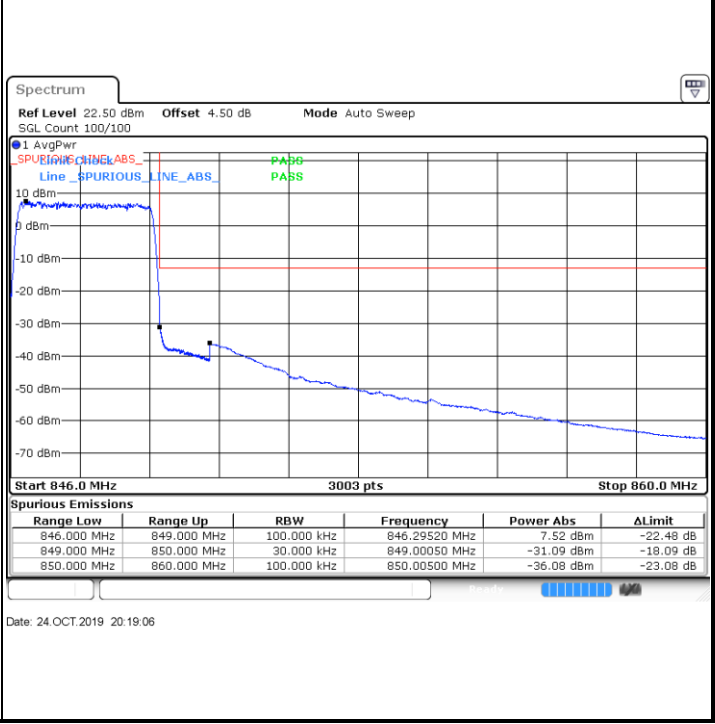
**Highest Band Edge / 1 RB**



**Lowest Band Edge / Full RB**



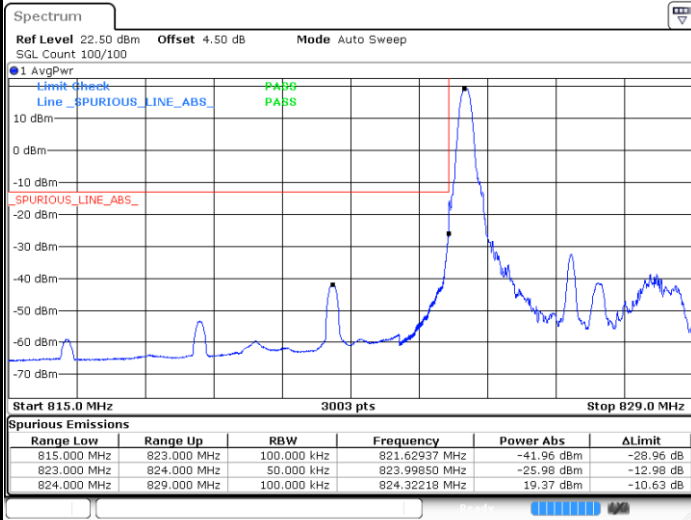
**Highest Band Edge / Full RB**





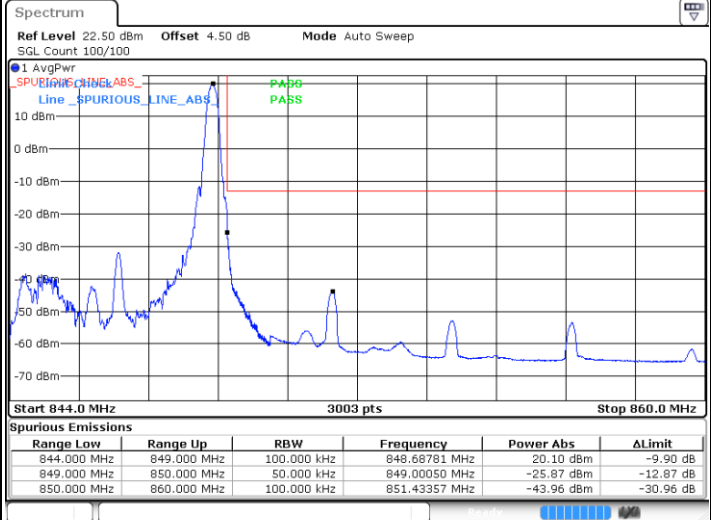
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



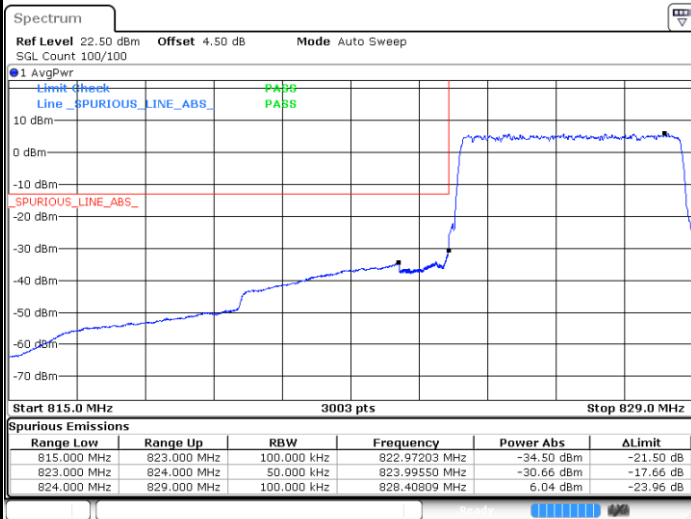
Date: 24.OCT.2019 21:26:01

Highest Band Edge / 1 RB



Date: 24.OCT.2019 19:31:33

Lowest Band Edge / Full RB



Date: 24.OCT.2019 21:25:12

Highest Band Edge / Full RB

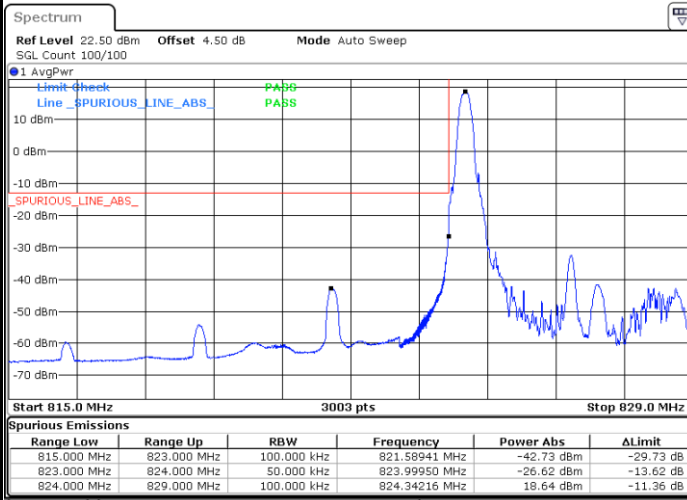


Date: 24.OCT.2019 19:34:50



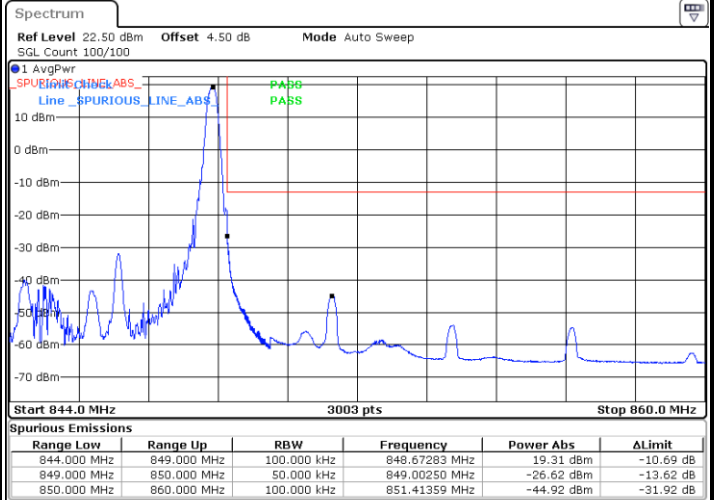
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



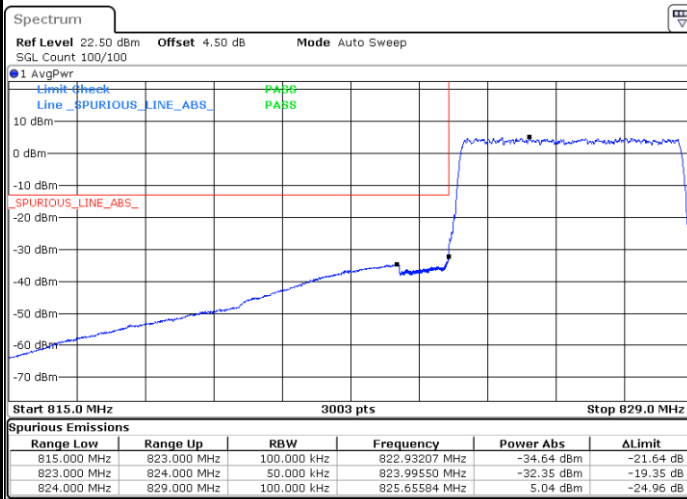
Date: 24.OCT.2019 21:27:02

Highest Band Edge / 1 RB



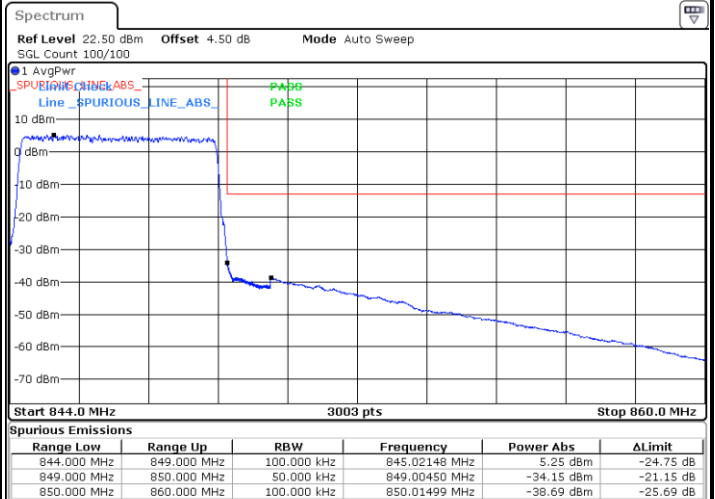
Date: 24.OCT.2019 19:33:12

Lowest Band Edge / Full RB



Date: 24.OCT.2019 21:24:29

Highest Band Edge / Full RB

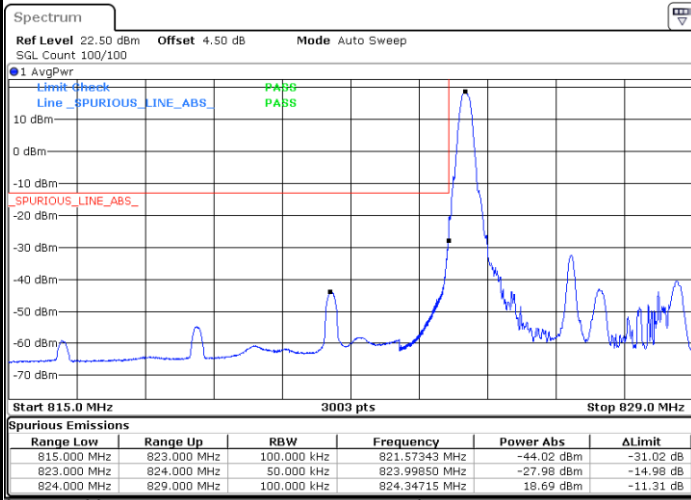


Date: 24.OCT.2019 19:36:29



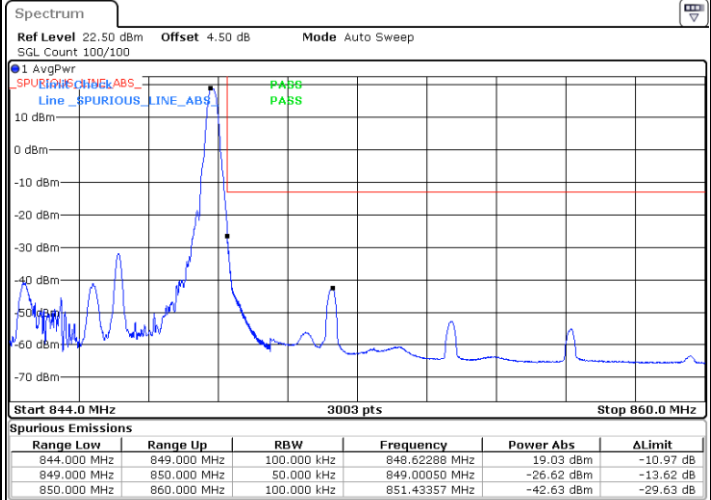
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



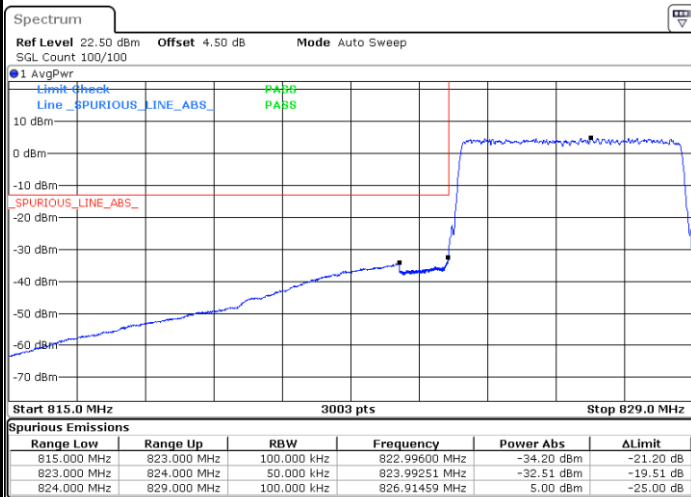
Date: 24.OCT.2019 20:25:15

Highest Band Edge / 1 RB



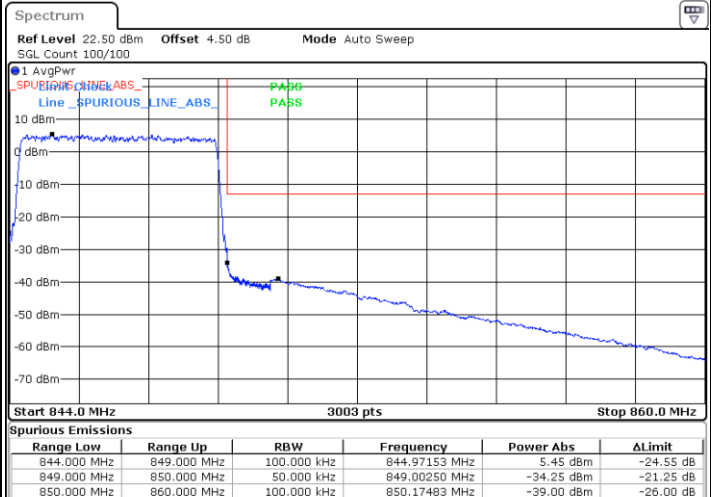
Date: 24.OCT.2019 20:30:59

Lowest Band Edge / Full RB



Date: 24.OCT.2019 20:23:37

Highest Band Edge / Full RB

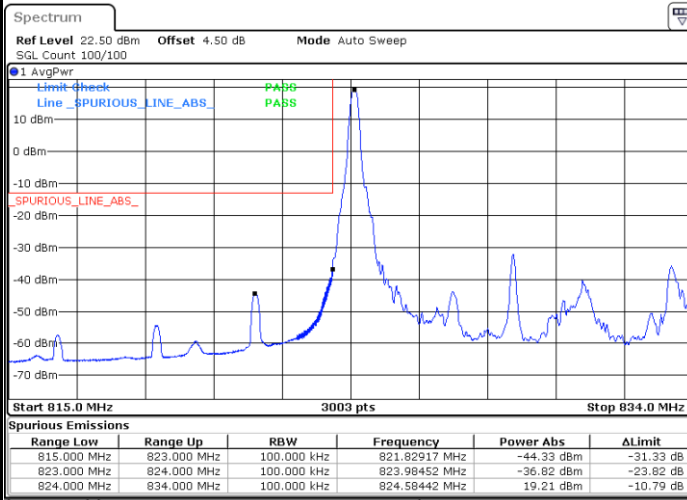


Date: 24.OCT.2019 20:29:21



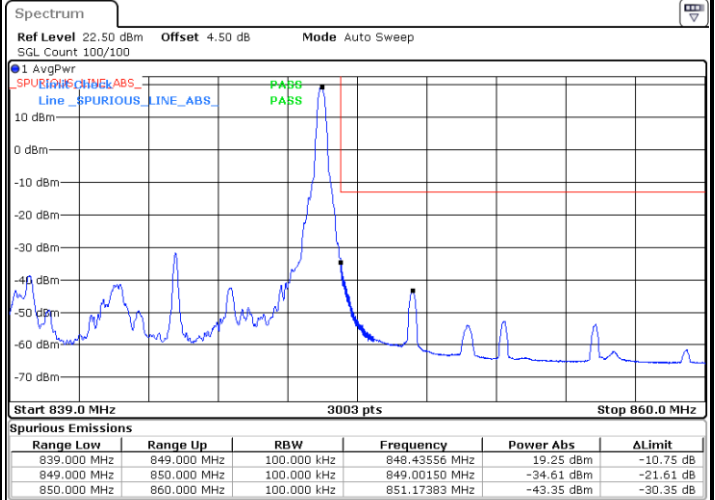
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



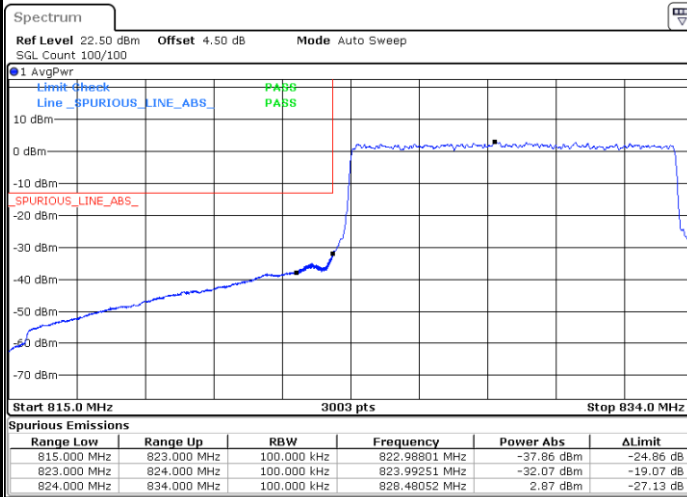
Date: 24.OCT.2019 19:40:34

Highest Band Edge / 1 RB



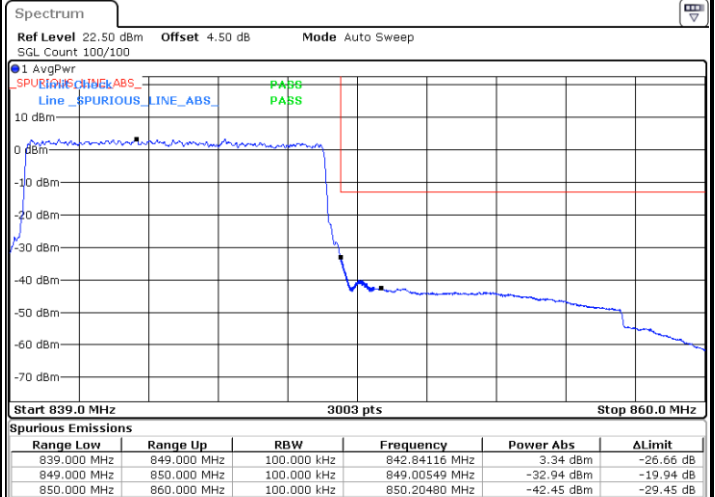
Date: 24.OCT.2019 19:52:02

Lowest Band Edge / Full RB



Date: 24.OCT.2019 19:43:51

Highest Band Edge / Full RB

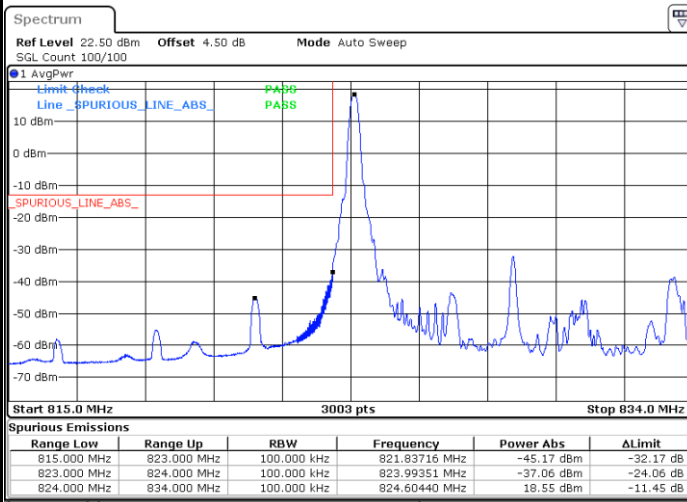


Date: 24.OCT.2019 19:55:19



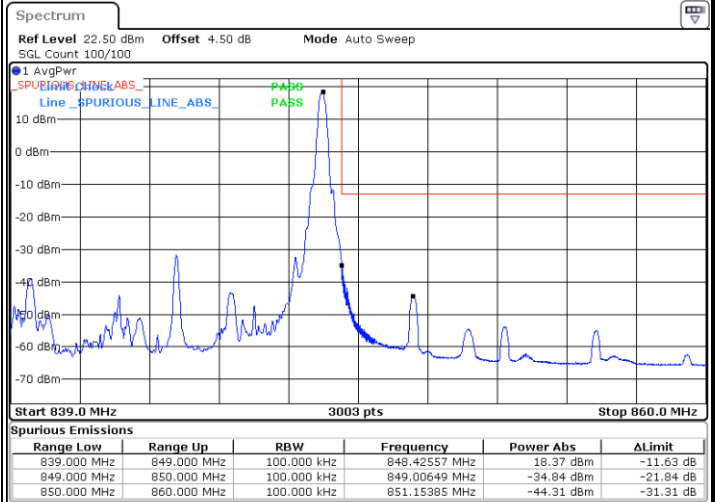
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



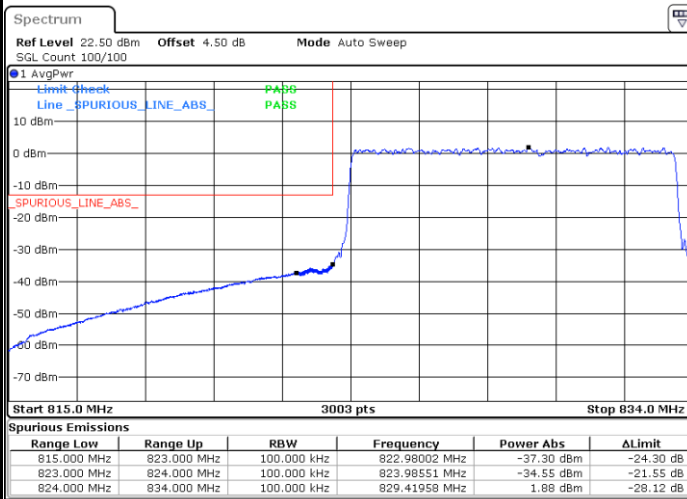
Date: 24.OCT.2019 19:42:12

Highest Band Edge / 1 RB



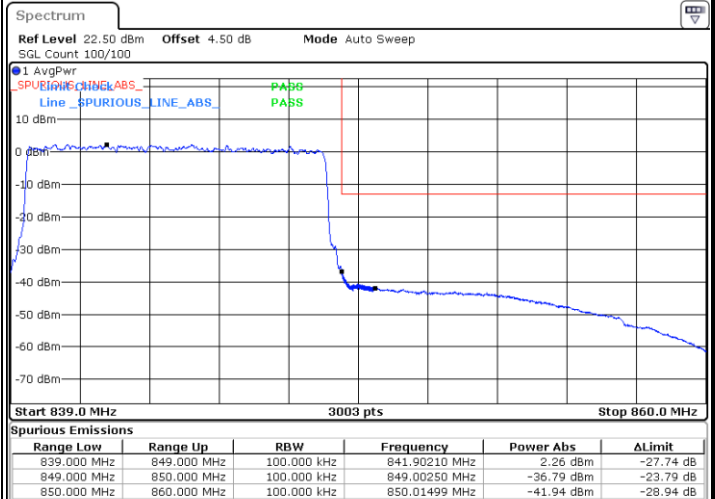
Date: 24.OCT.2019 19:53:40

Lowest Band Edge / Full RB



Date: 24.OCT.2019 19:45:29

Highest Band Edge / Full RB

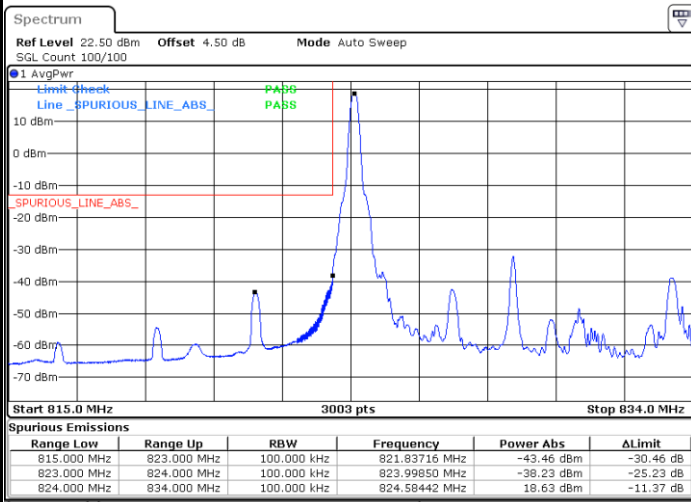


Date: 24.OCT.2019 19:56:57



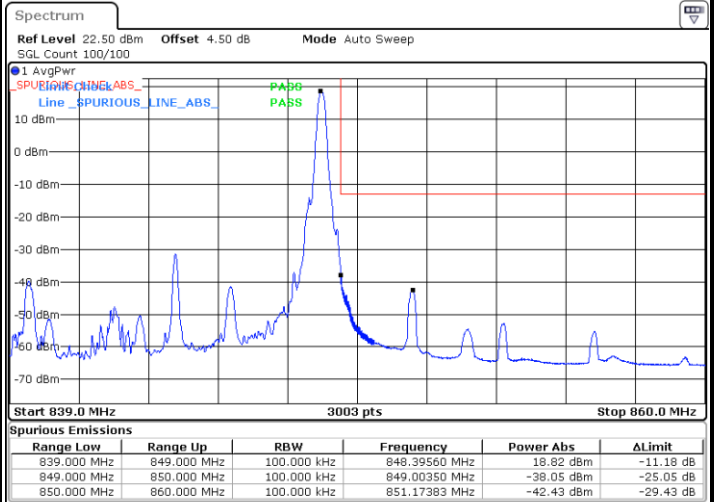
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



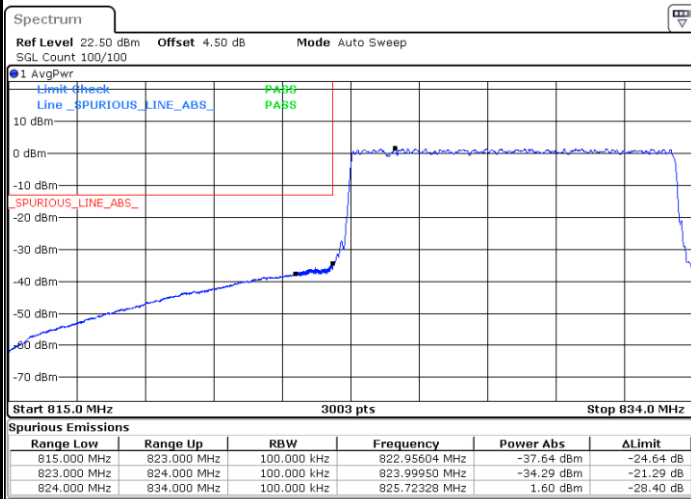
Date: 24.OCT.2019 20:35:30

Highest Band Edge / 1 RB



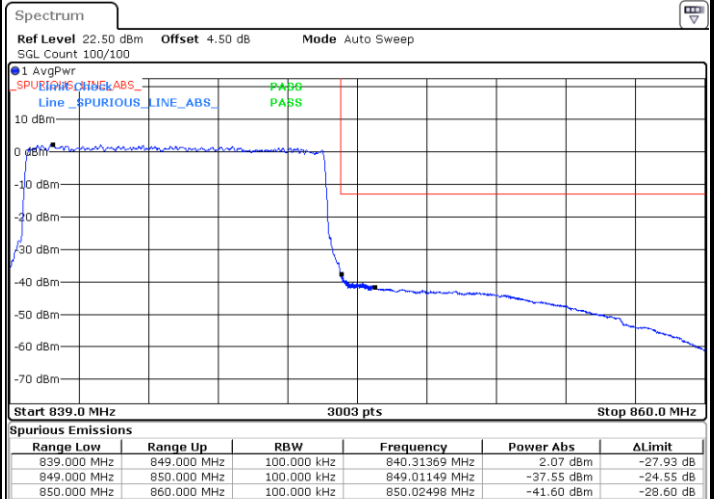
Date: 24.OCT.2019 20:41:13

Lowest Band Edge / Full RB



Date: 24.OCT.2019 20:33:51

Highest Band Edge / Full RB

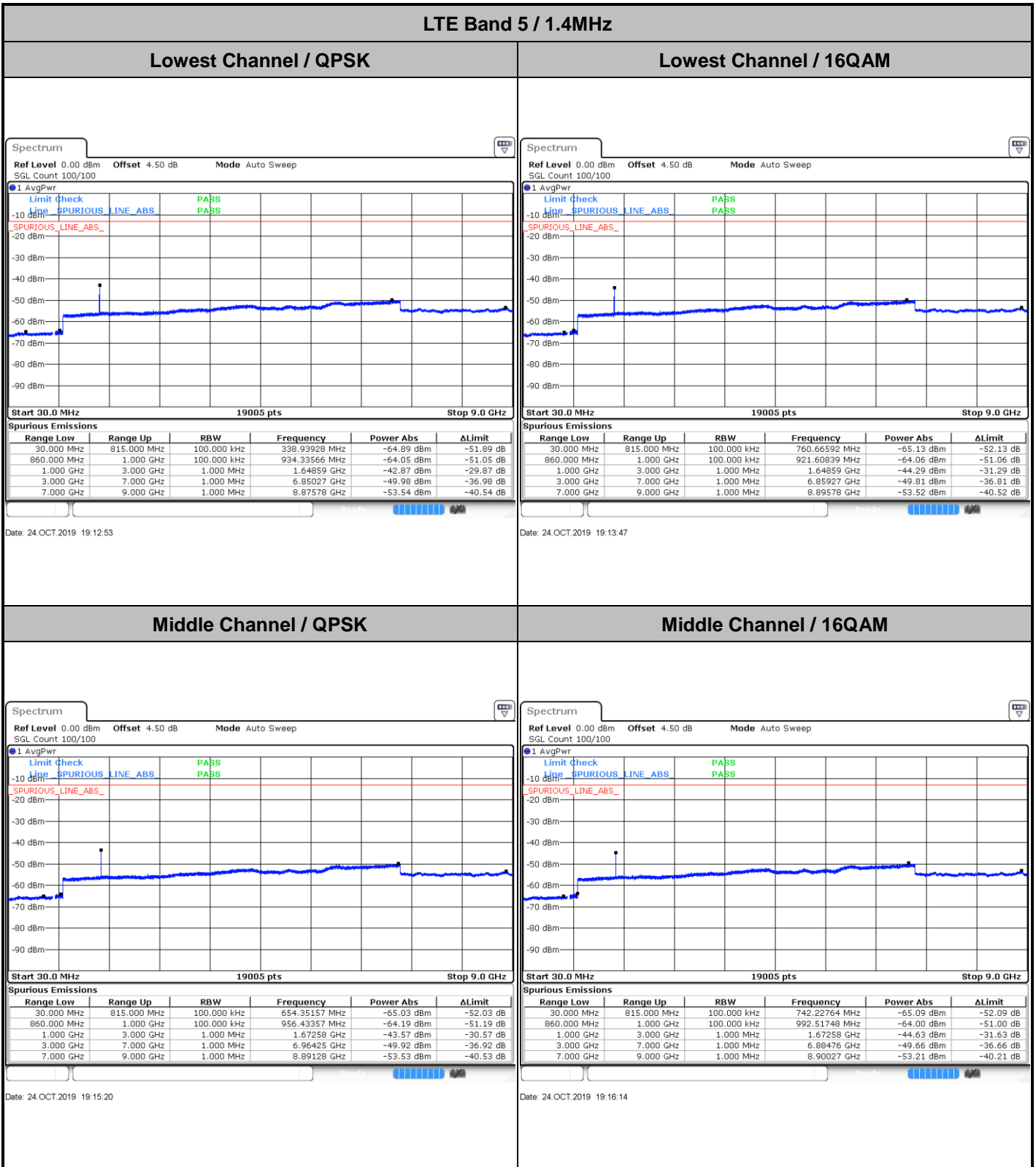


Date: 24.OCT.2019 20:39:35





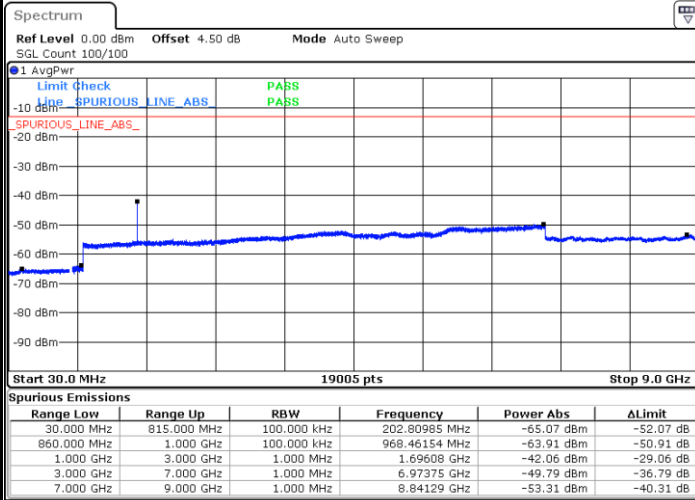
# Conducted Spurious Emission





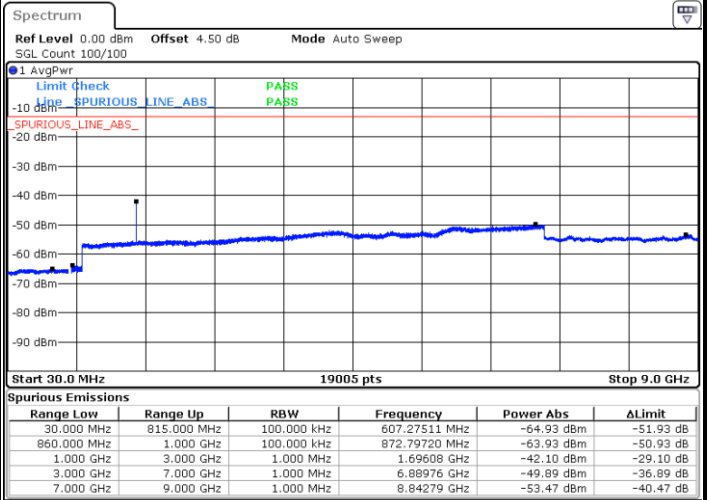
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 24.OCT.2019 19:24:22

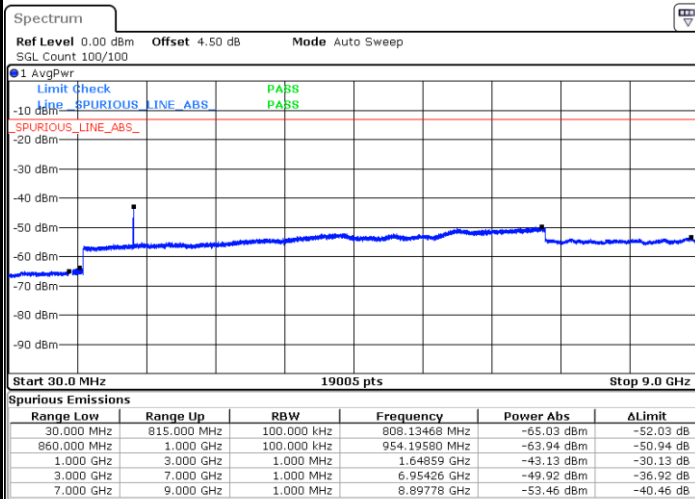
Highest Channel / 16QAM



Date: 24.OCT.2019 19:25:15

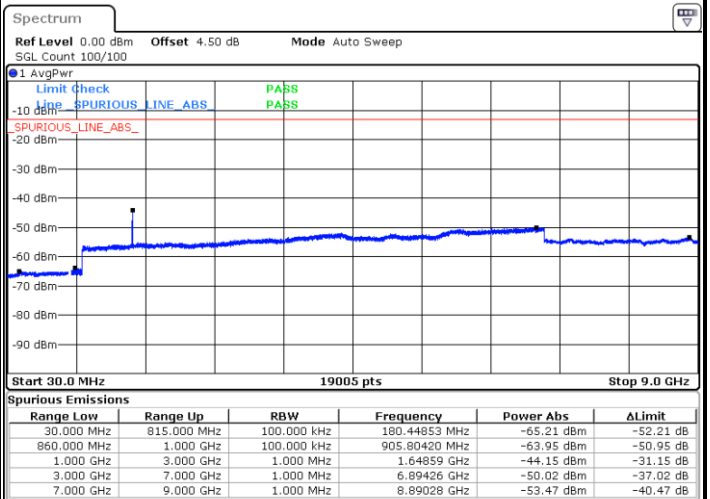
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 24.OCT.2019 21:18:19

Lowest Channel / 16QAM



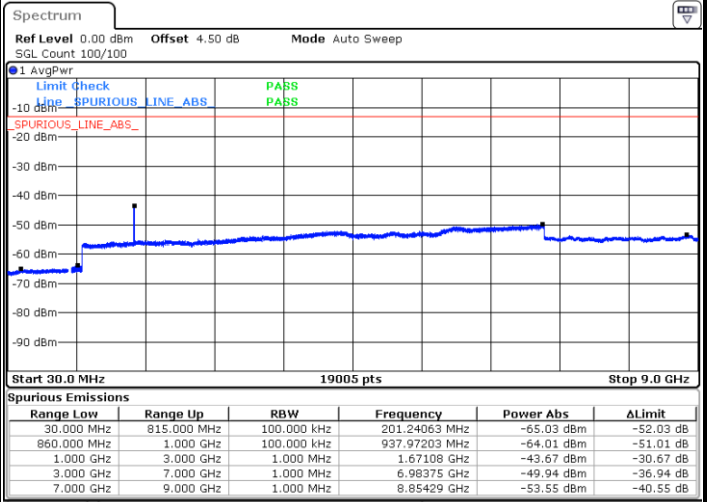
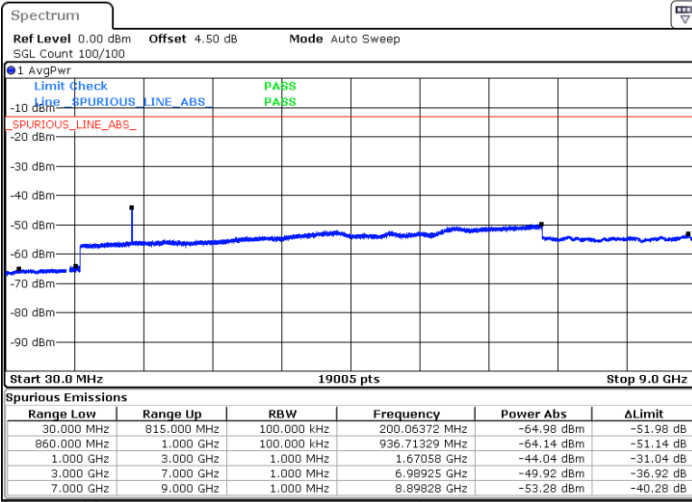
Date: 24.OCT.2019 21:18:44



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

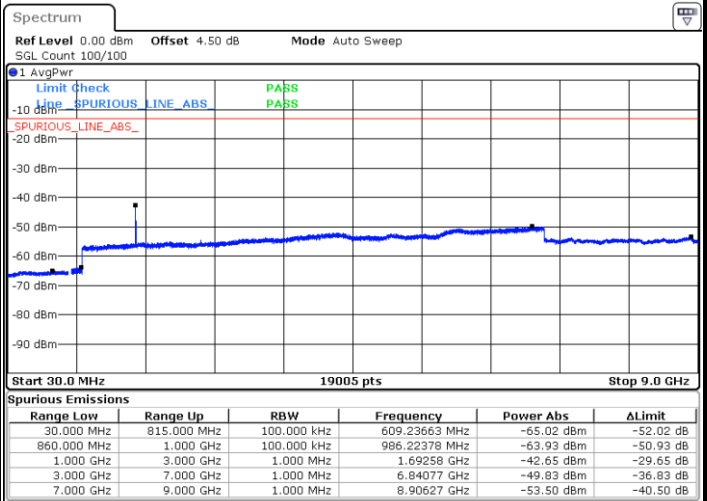
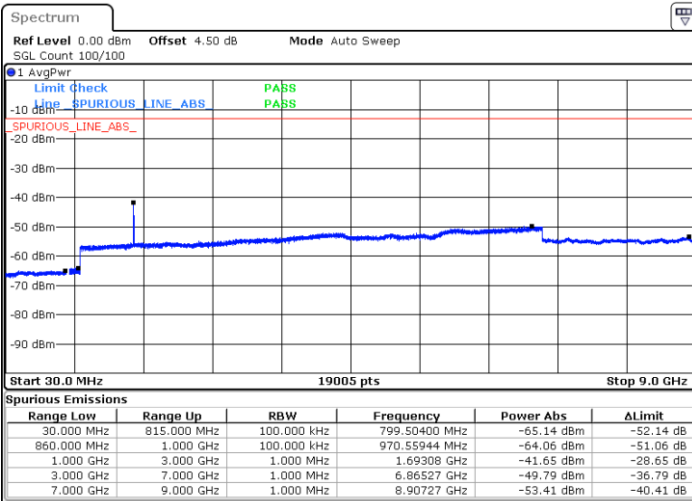


Date: 24.OCT.2019 21:19:36

Date: 24.OCT.2019 21:19:11

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 24.OCT.2019 21:20:08

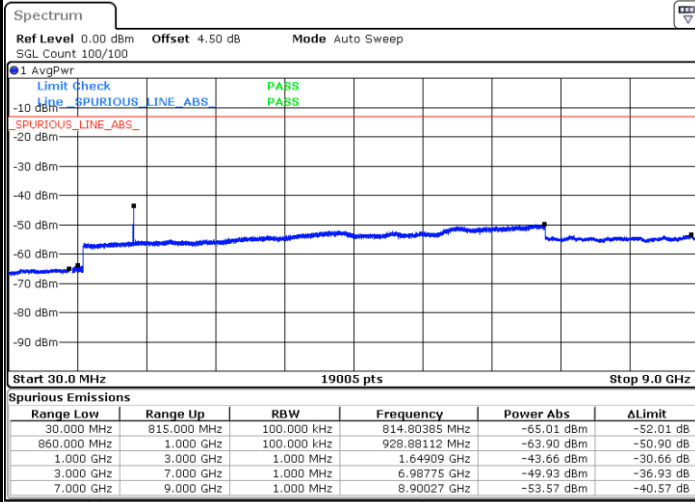
Date: 24.OCT.2019 21:20:38



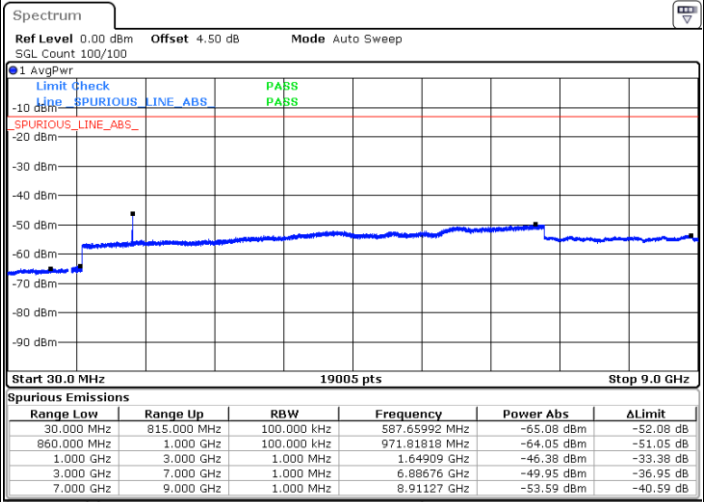
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



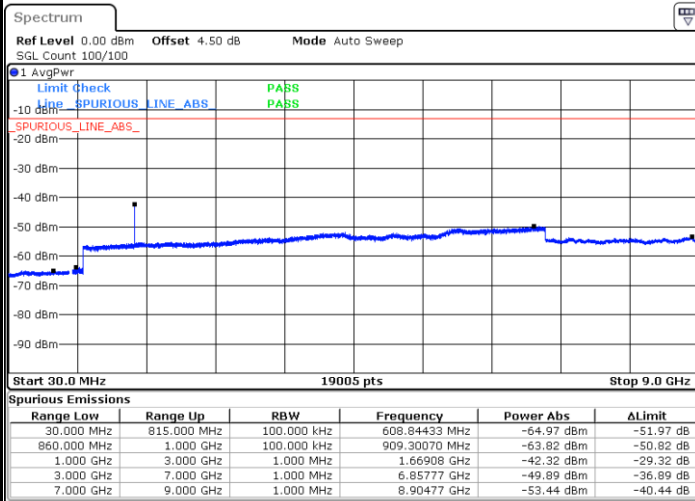
Date: 24.OCT.2019 21:27:34



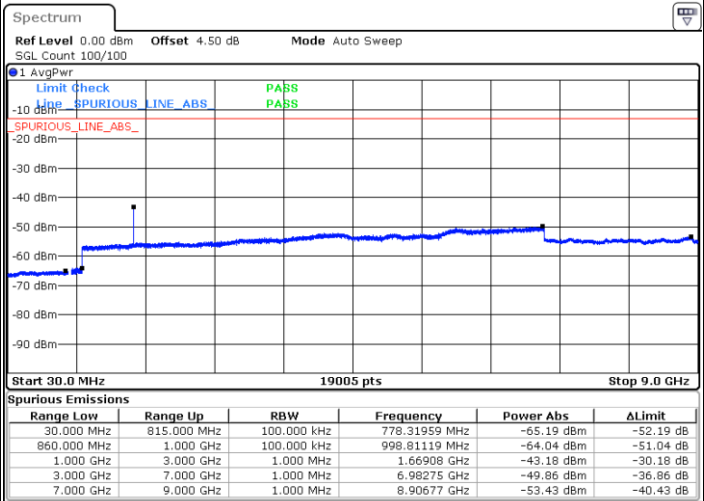
Date: 24.OCT.2019 19:26:48

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 24.OCT.2019 19:28:22

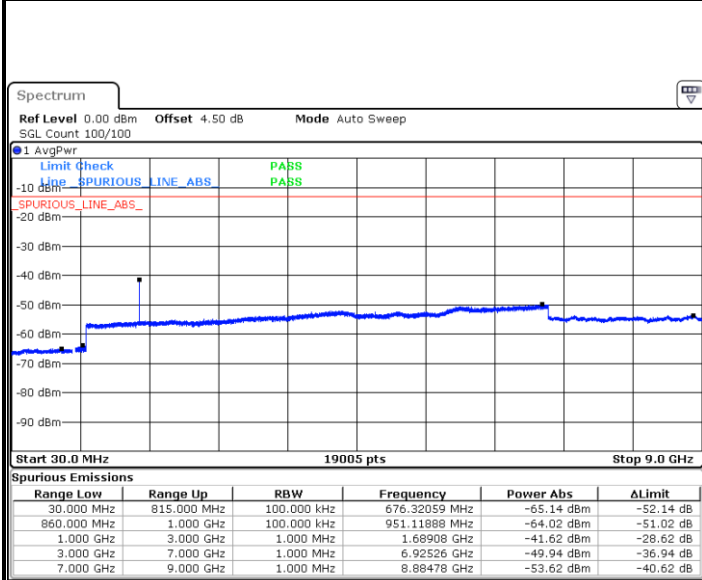


Date: 24.OCT.2019 19:29:15



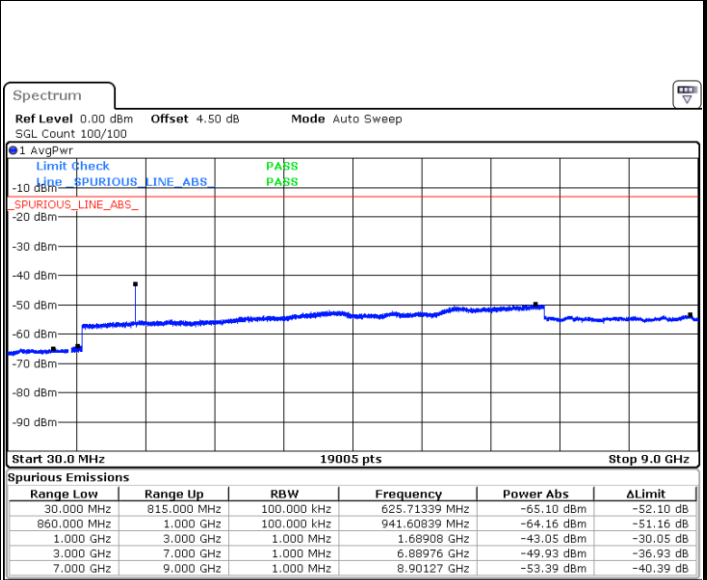
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 24.OCT.2019 19:37:23

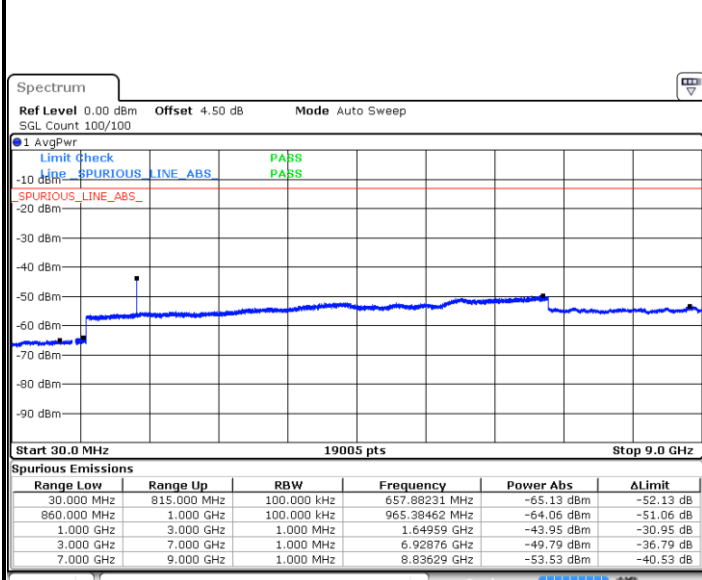
Highest Channel / 16QAM



Date: 24.OCT.2019 19:38:16

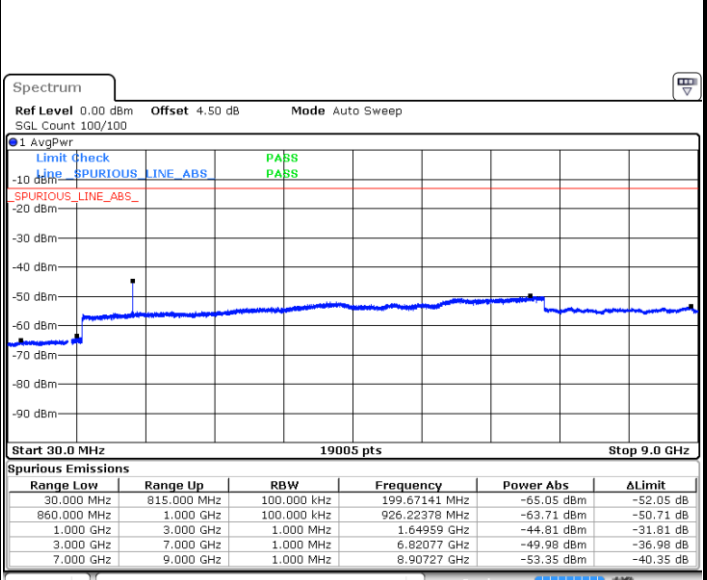
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 24.OCT.2019 19:46:24

Lowest Channel / 16QAM



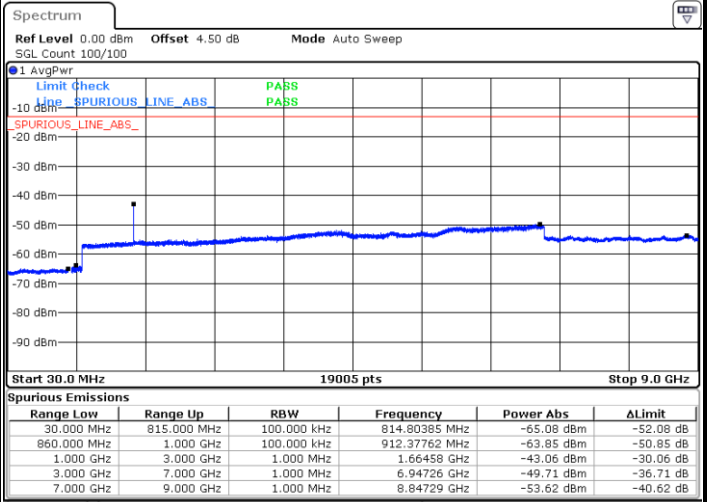
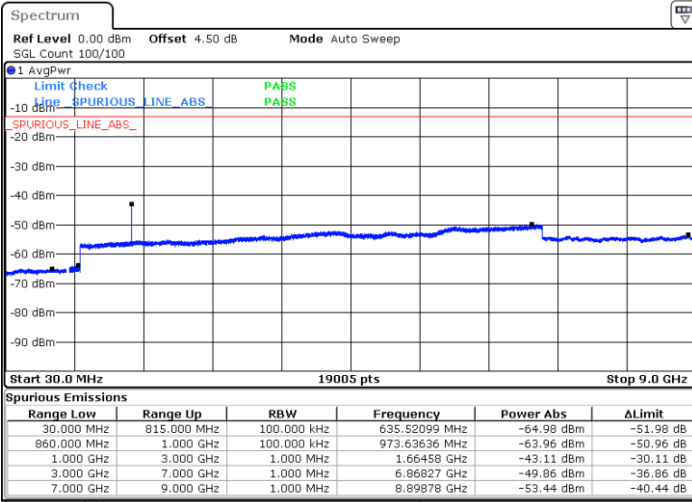
Date: 24.OCT.2019 19:47:17



LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

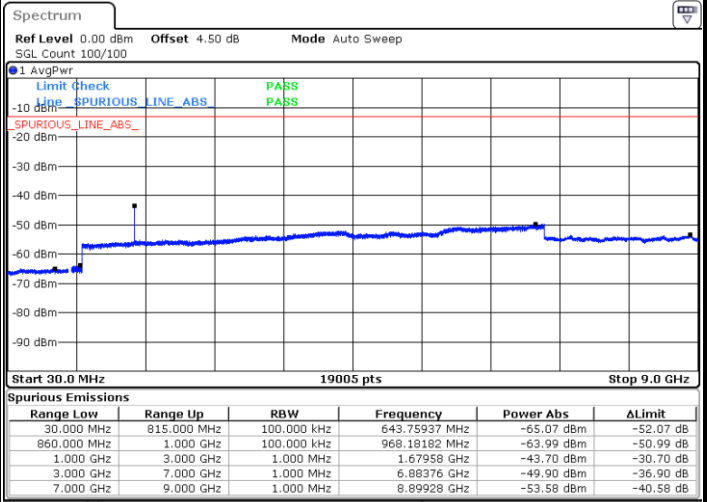
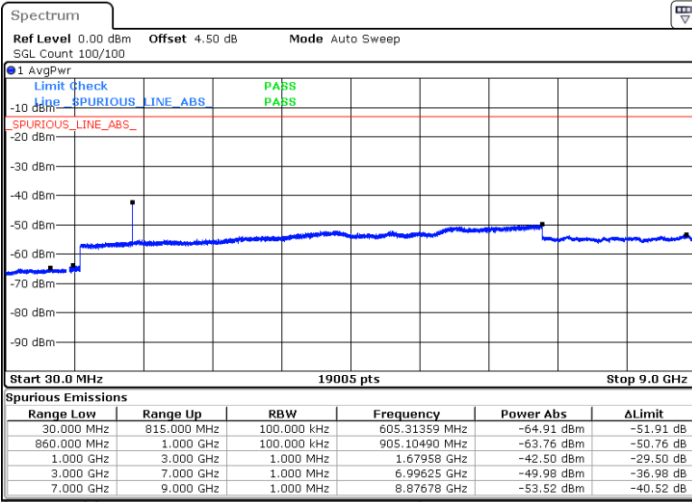


Date: 24.OCT.2019 19:48:50

Date: 24.OCT.2019 19:49:44

Highest Channel / QPSK

Highest Channel / 16QAM

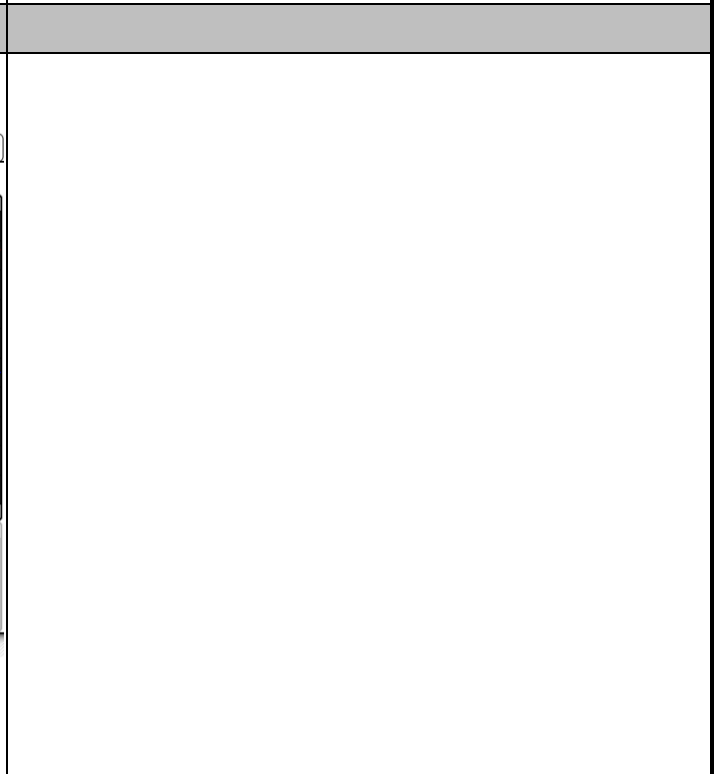
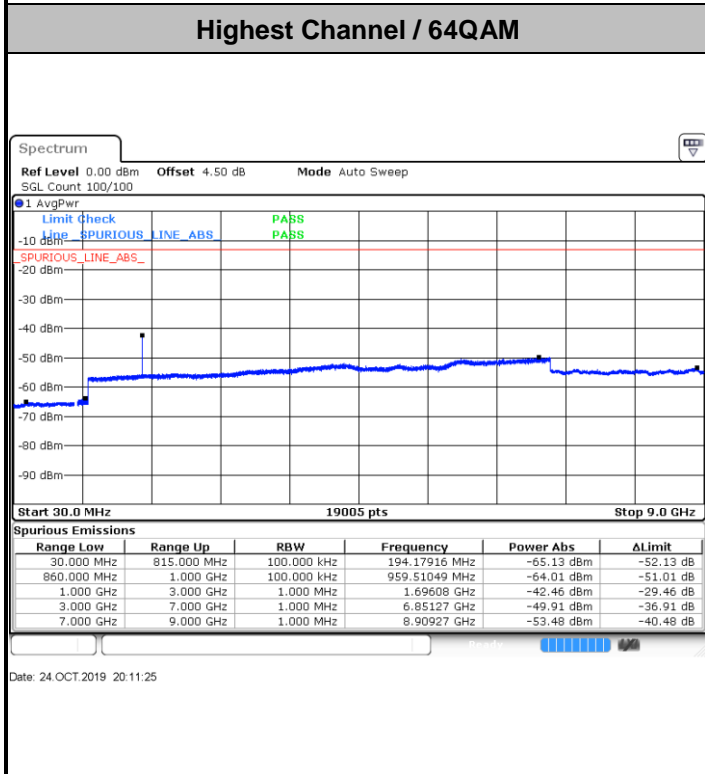
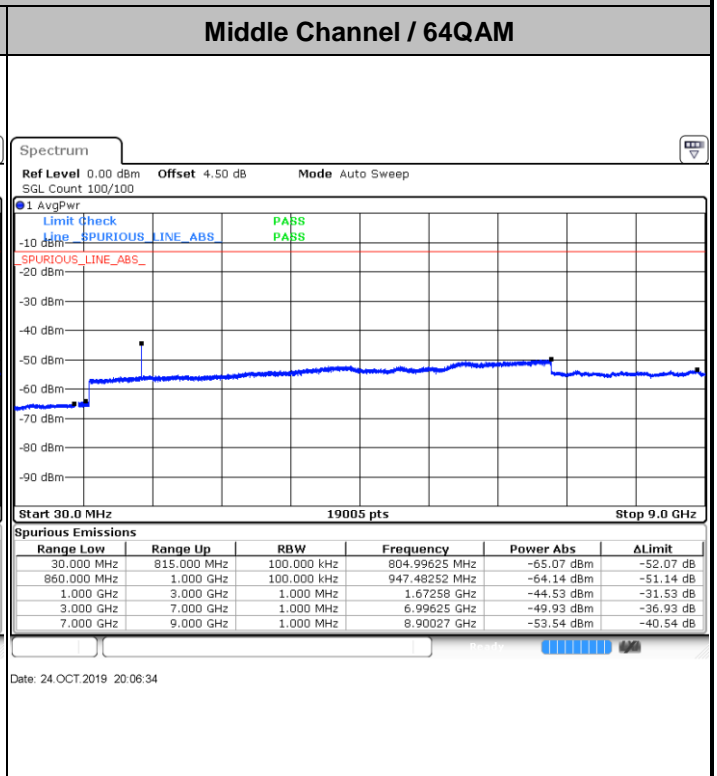
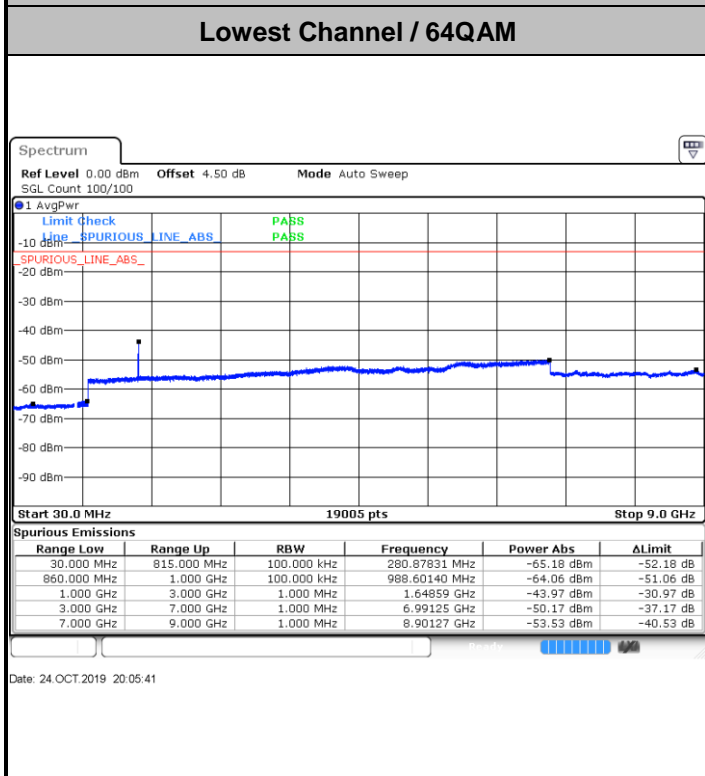


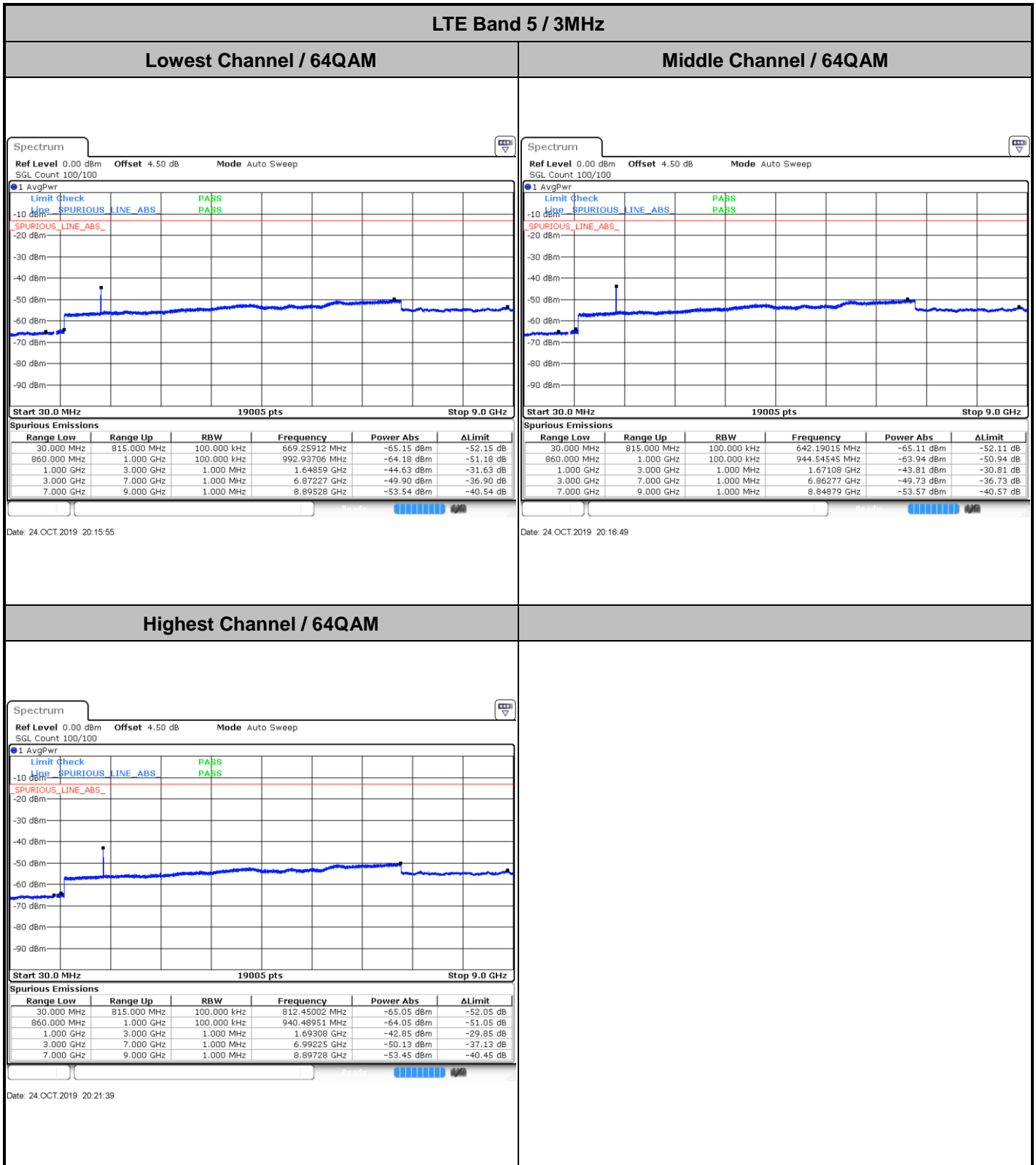
Date: 24.OCT.2019 19:57:51

Date: 24.OCT.2019 19:58:45



**LTE Band 5 / 1.4MHz**





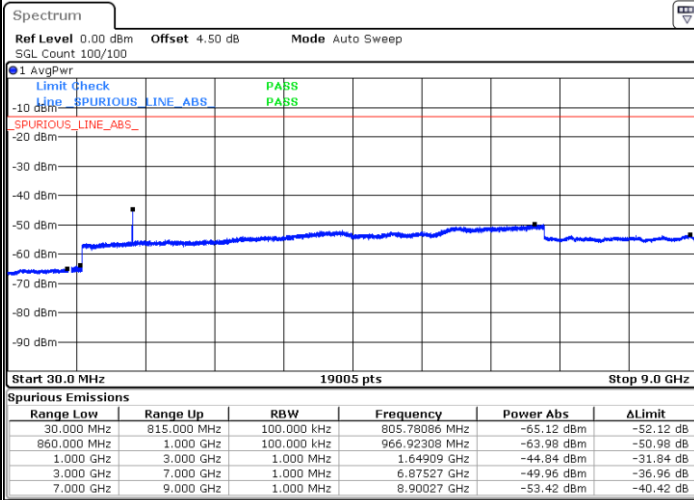




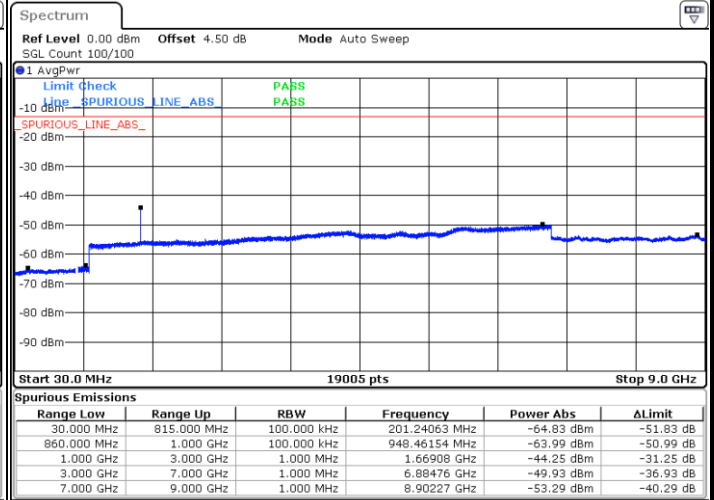
LTE Band 5 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

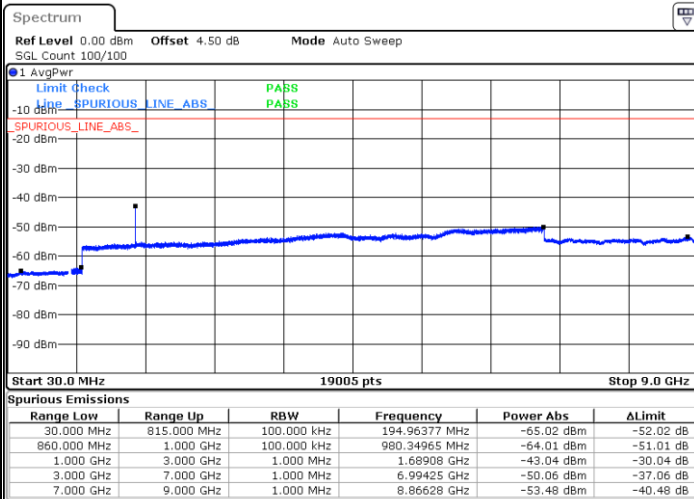


Date: 24.OCT.2019 20:26:09



Date: 24.OCT.2019 20:27:03

Highest Channel / 64QAM



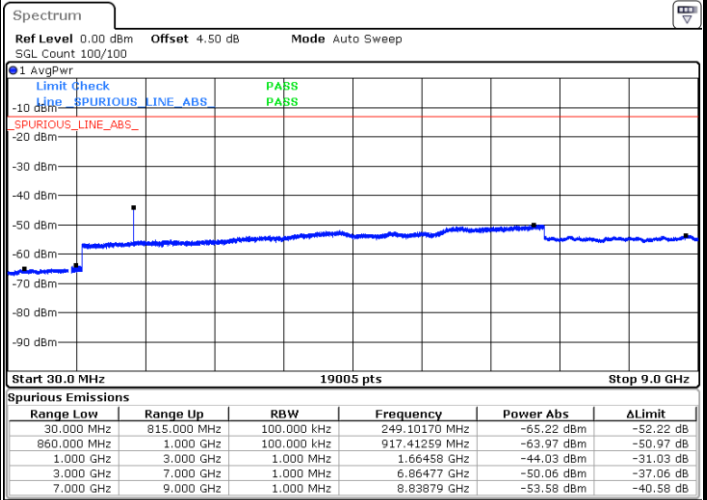
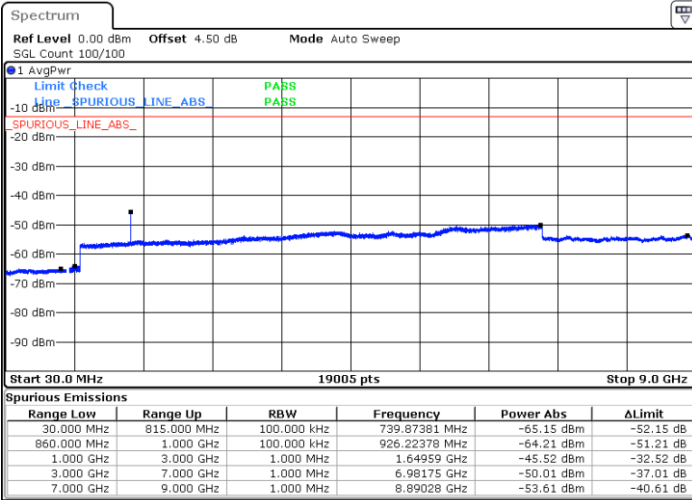
Date: 24.OCT.2019 20:31:53



LTE Band 5 / 10MHz

Lowest Channel / 64QAM

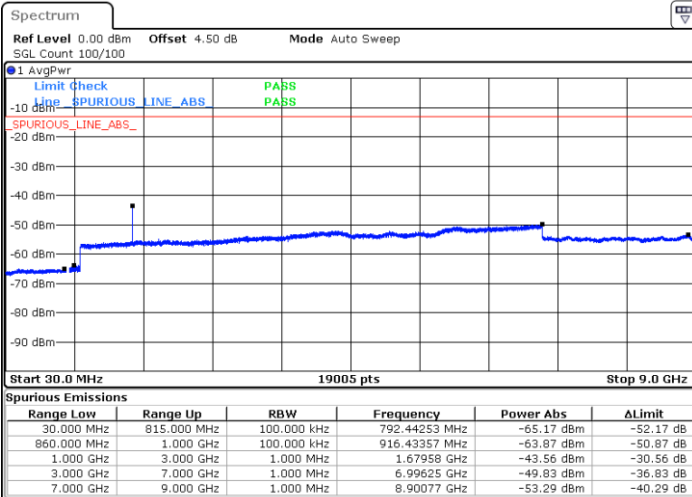
Middle Channel / 64QAM



Date: 24.OCT.2019 20:36:24

Date: 24.OCT.2019 20:37:17

Highest Channel / 64QAM



Date: 24.OCT.2019 20:42:08



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	0.0012	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0033	
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	0.0010	
20	Maximum Voltage	0.0045	
20	Normal Voltage	0.0050	
20	Battery End Point	0.0012	

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.



# LTE Band 7

## Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.57	4.55	5.48	5.91	<b>PASS</b>
Middle CH	3.59	4.64	5.16	6.09	
Highest CH	3.74	4.55	5.39	5.97	
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.96	6.46			<b>PASS</b>
Middle CH	6.93	6.67			
Highest CH	6.78	6.55			