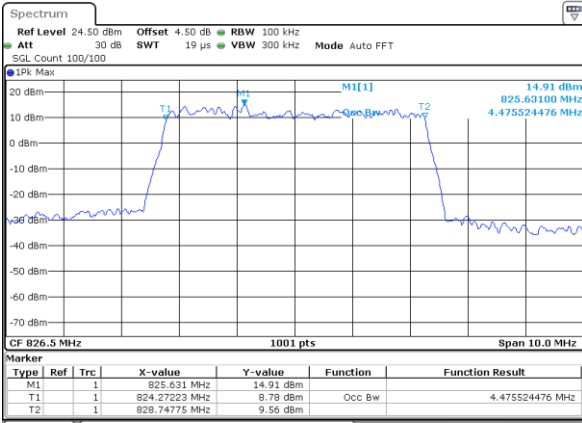




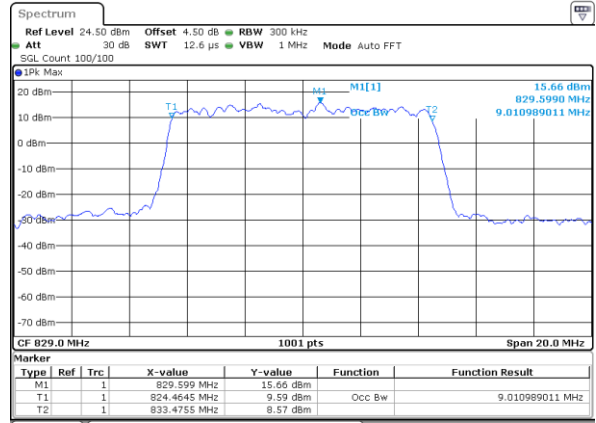
LTE Band 5

Lowest Channel / 5MHz / 64QAM



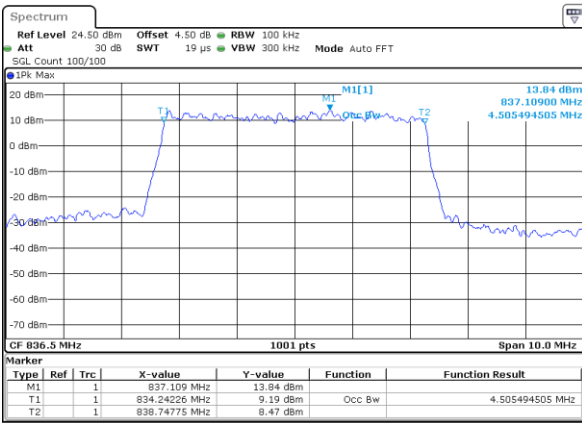
Date: 1 NOV 2019 13:55:32

Lowest Channel / 10MHz / 64QAM



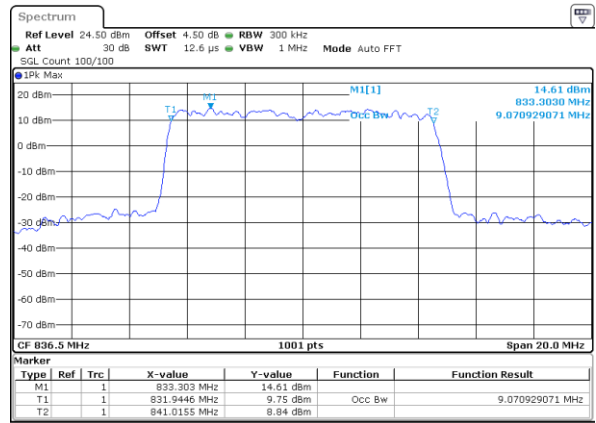
Date: 1 NOV 2019 14:05:46

Middle Channel / 5MHz / 64QAM



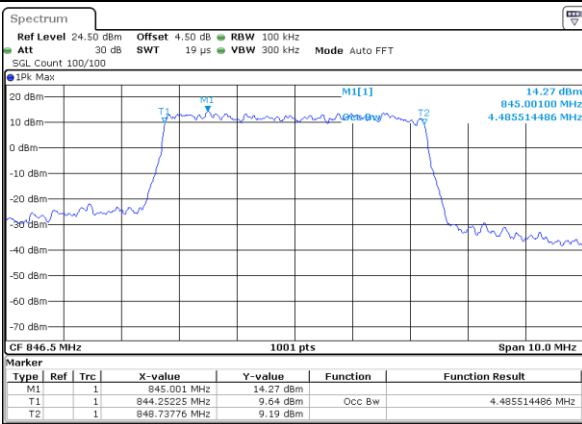
Date: 1 NOV 2019 14:00:57

Middle Channel / 10MHz / 64QAM



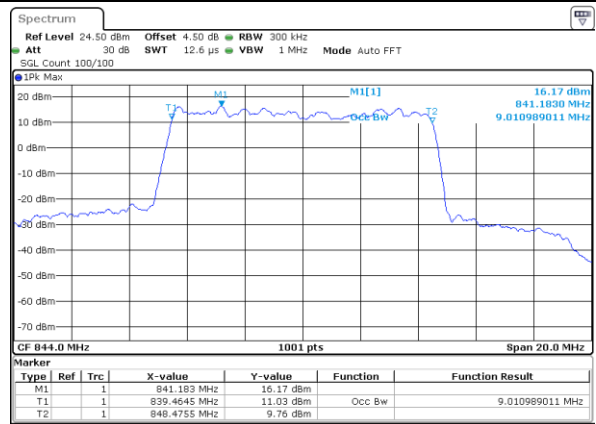
Date: 1 NOV 2019 14:11:09

Highest Channel / 5MHz / 64QAM



Date: 1 NOV 2019 14:01:17

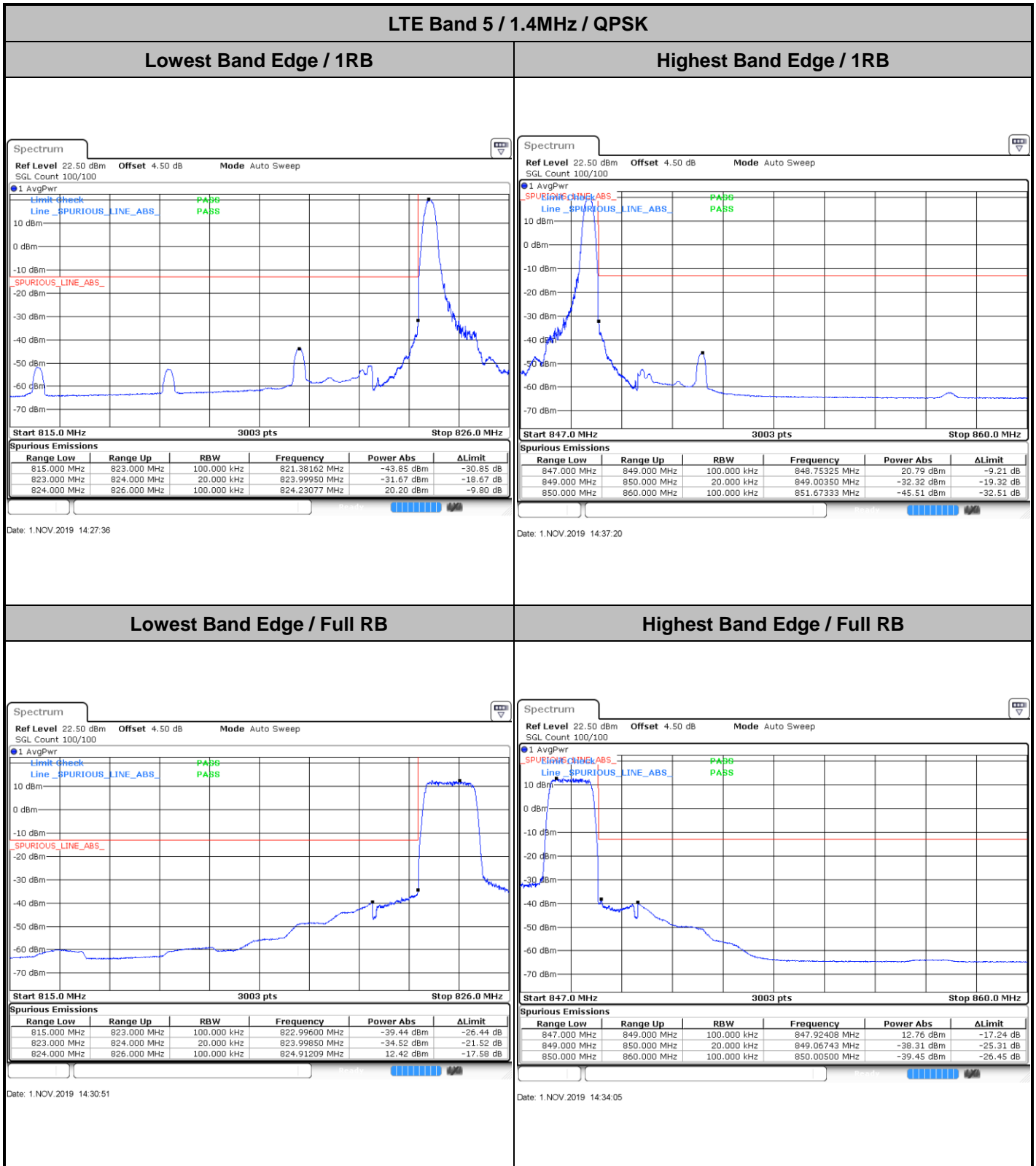
Highest Channel / 10MHz / 64QAM



Date: 1 NOV 2019 14:11:30



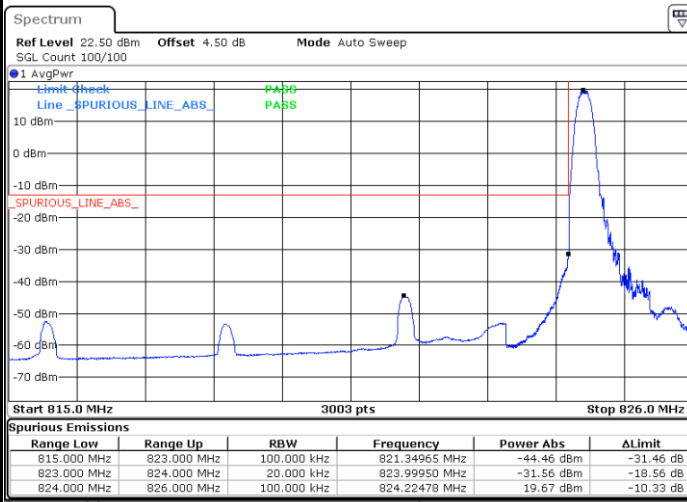
# Conducted Band Edge





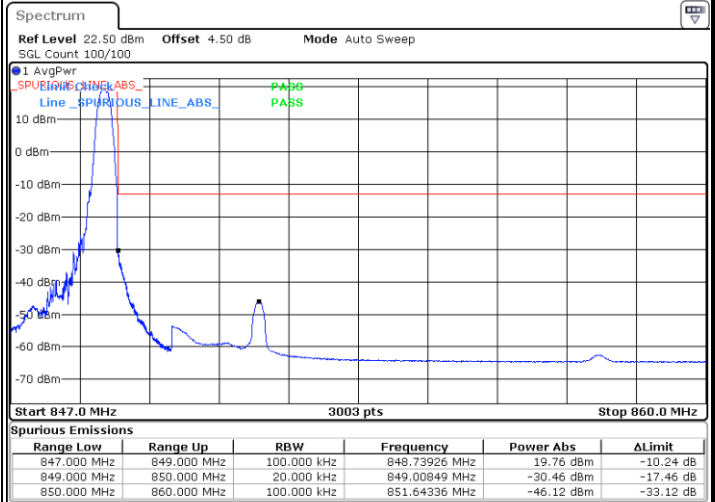
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



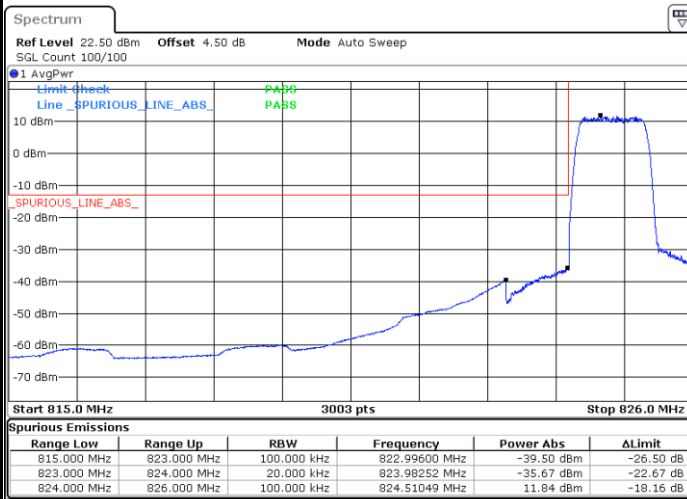
Date: 1.NOV.2019 14:29:13

Highest Band Edge / 1 RB



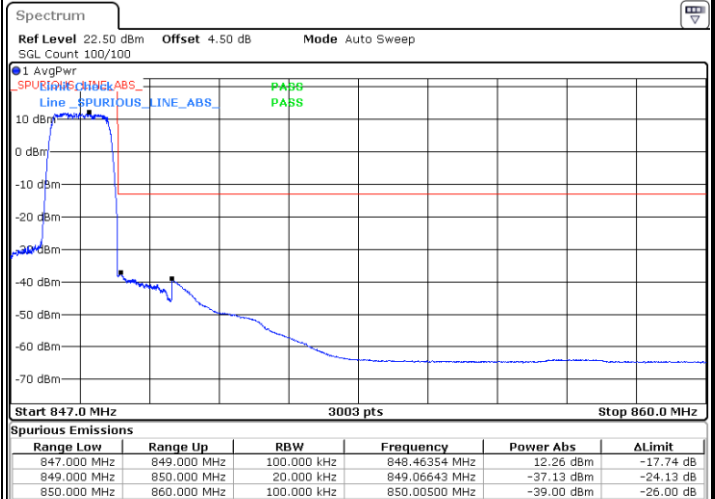
Date: 1.NOV.2019 14:38:58

Lowest Band Edge / Full RB



Date: 1.NOV.2019 14:32:28

Highest Band Edge / Full RB

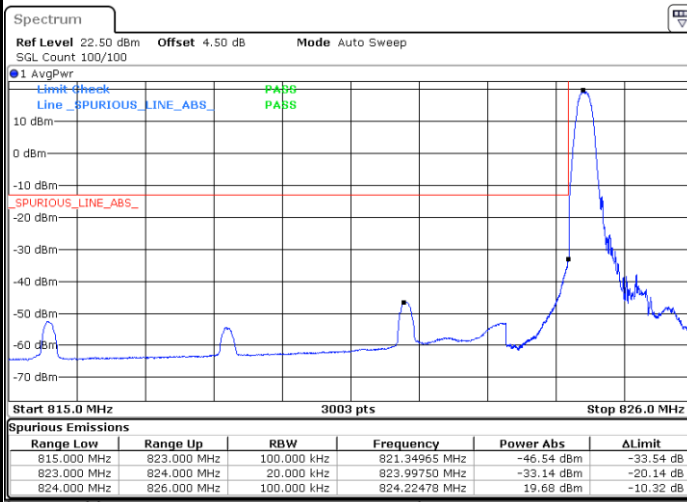


Date: 1.NOV.2019 14:35:43



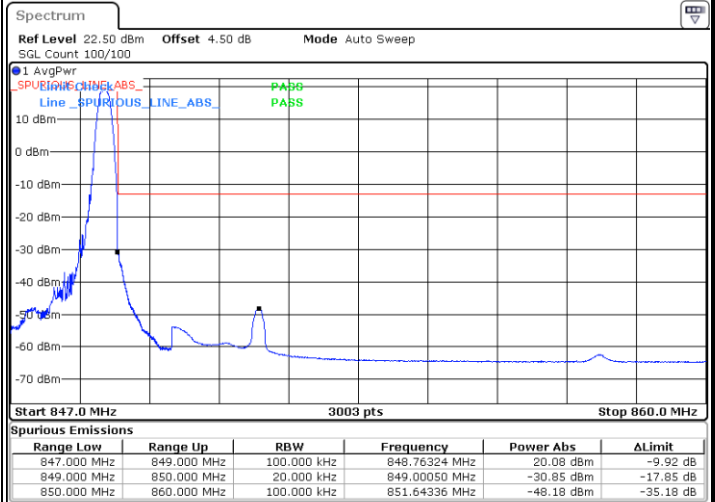
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



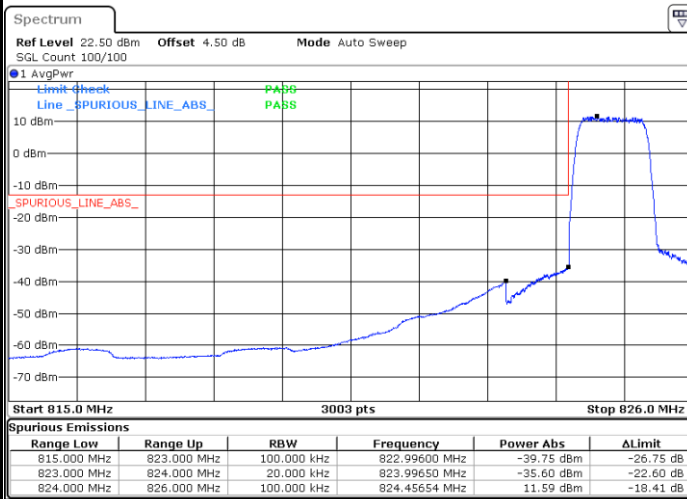
Date: 1.NOV.2019 13:38:33

Highest Band Edge / 1 RB



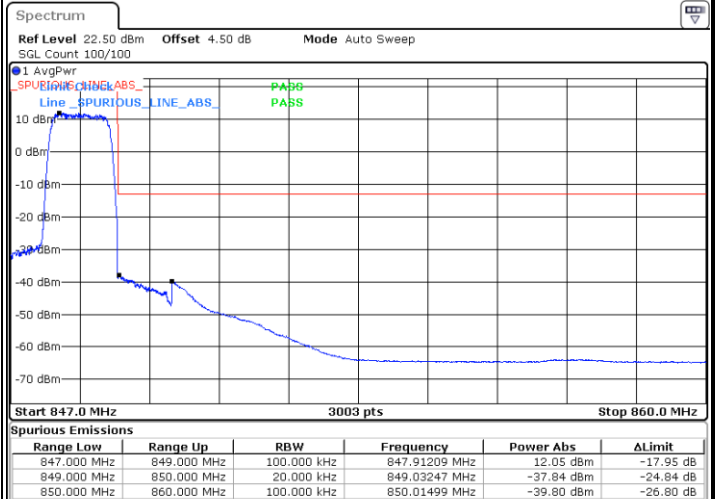
Date: 1.NOV.2019 13:44:16

Lowest Band Edge / Full RB



Date: 1.NOV.2019 13:36:56

Highest Band Edge / Full RB

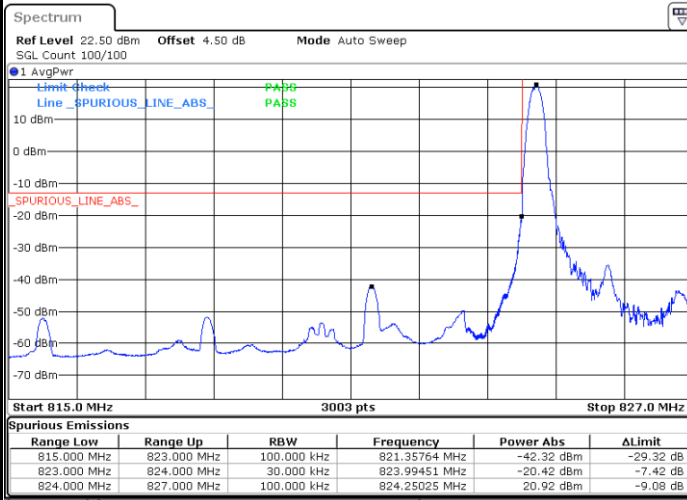


Date: 1.NOV.2019 13:42:39



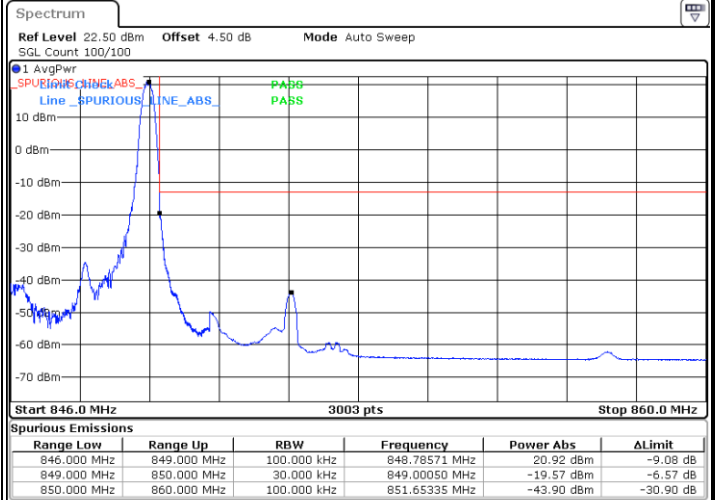
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



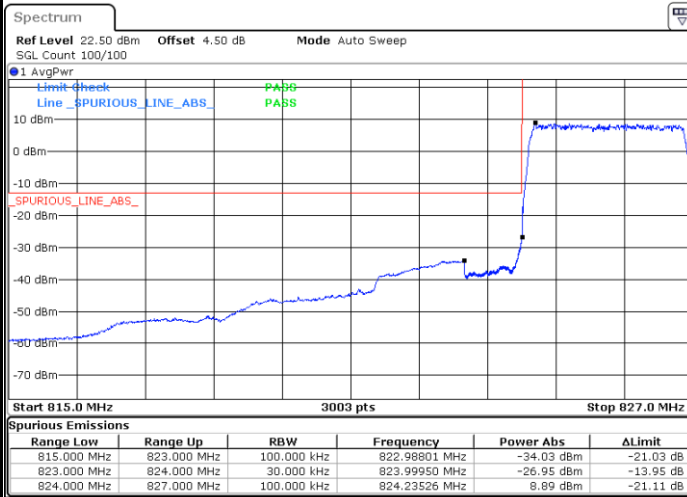
Date: 1.NOV.2019 15:00:04

Highest Band Edge / 1 RB



Date: 1.NOV.2019 15:06:34

Lowest Band Edge / Full RB



Date: 1.NOV.2019 15:03:19

Highest Band Edge / Full RB

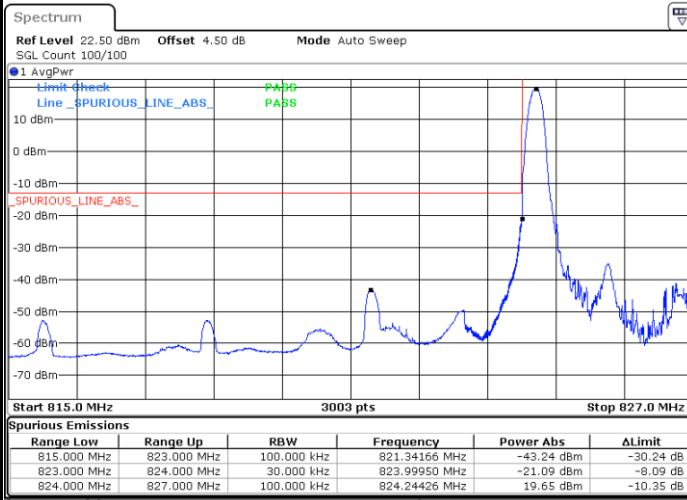


Date: 1.NOV.2019 15:09:49



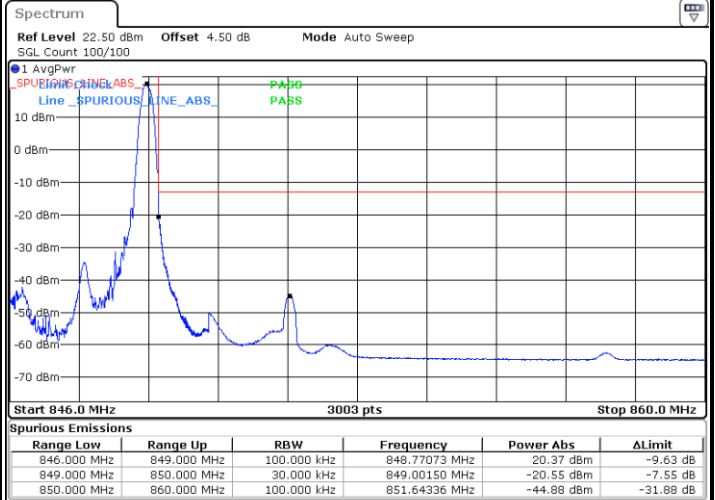
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



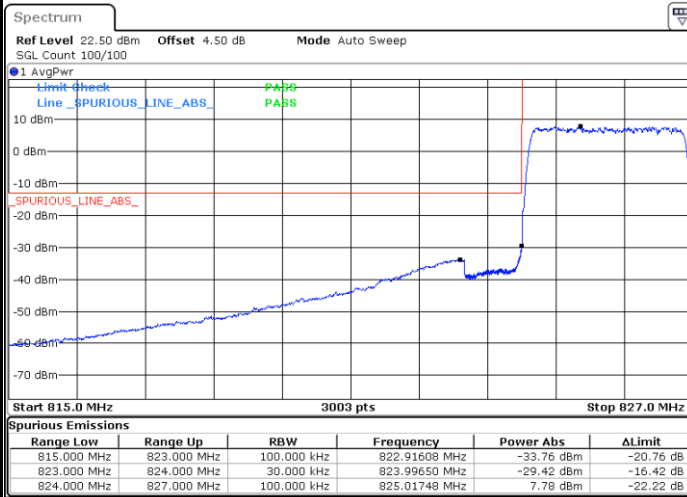
Date: 1.NOV.2019 15:01:42

Highest Band Edge / 1 RB



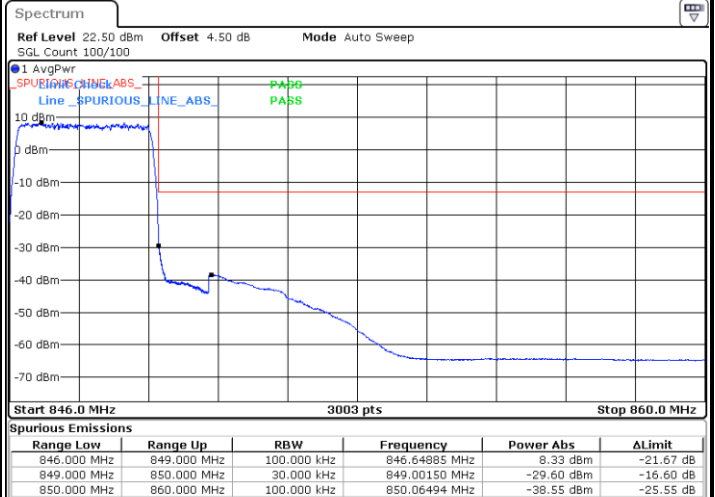
Date: 1.NOV.2019 15:08:11

Lowest Band Edge / Full RB



Date: 1.NOV.2019 15:04:56

Highest Band Edge / Full RB

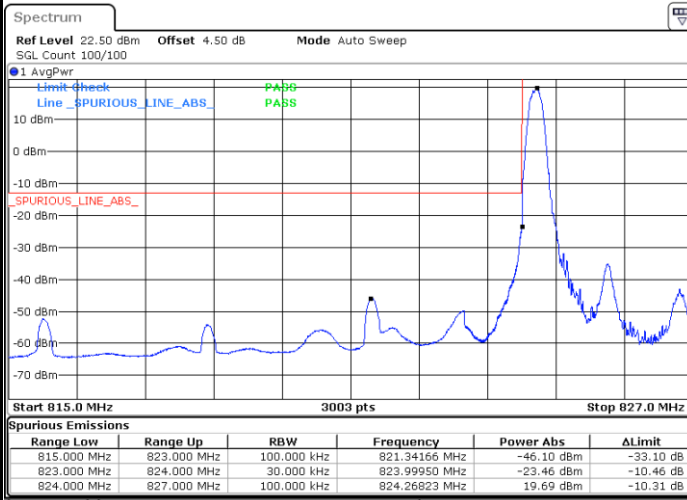


Date: 1.NOV.2019 15:11:26



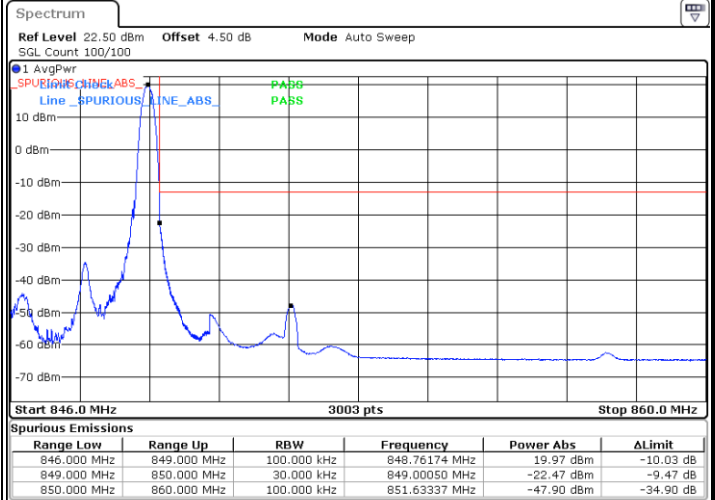
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



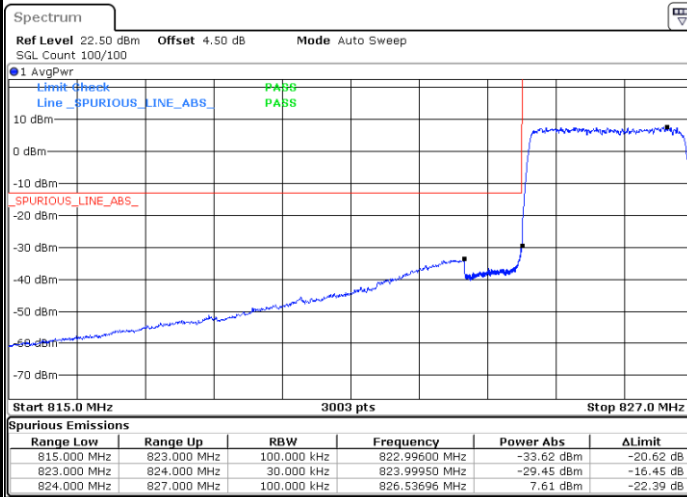
Date: 1.NOV.2019 13:48:45

Highest Band Edge / 1 RB



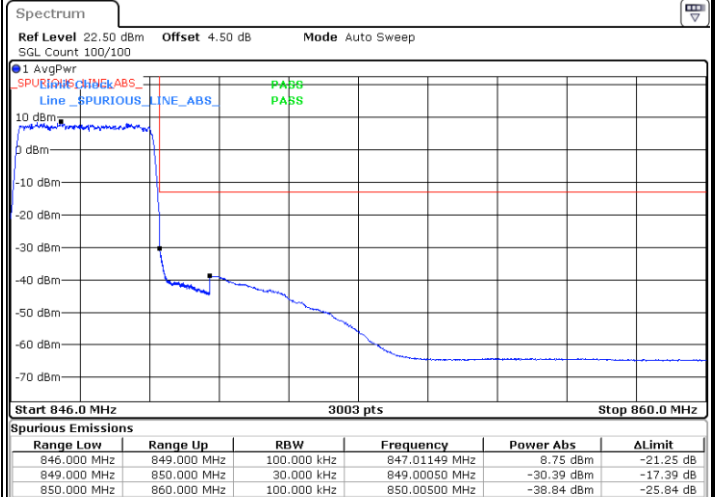
Date: 1.NOV.2019 13:54:28

Lowest Band Edge / Full RB



Date: 1.NOV.2019 13:47:08

Highest Band Edge / Full RB

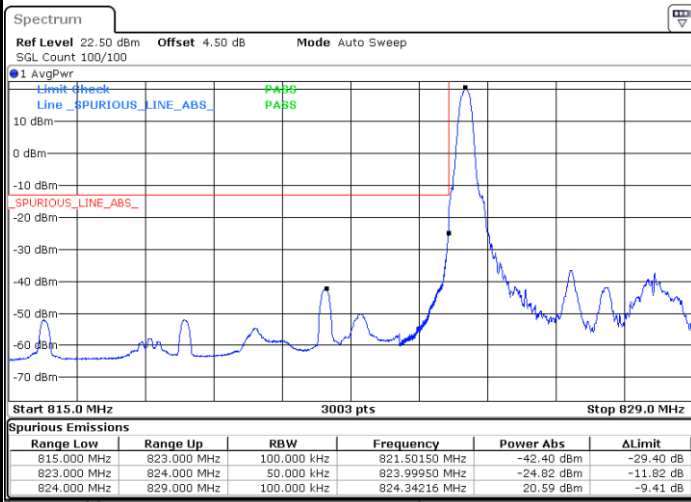


Date: 1.NOV.2019 13:52:51

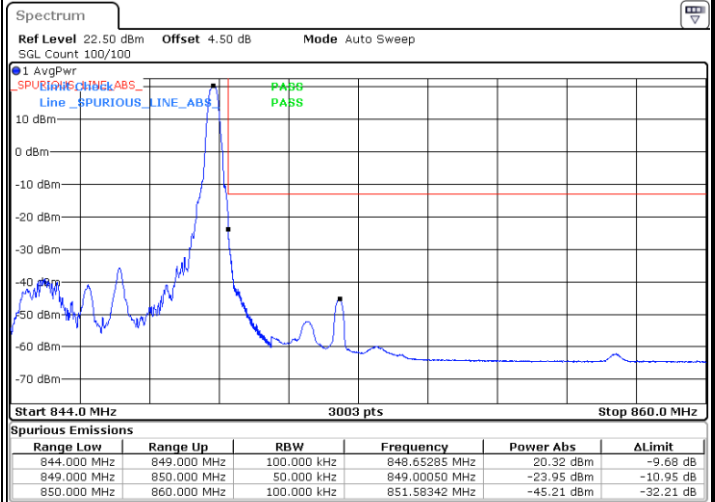


LTE Band 5 / 5MHz / QPSK

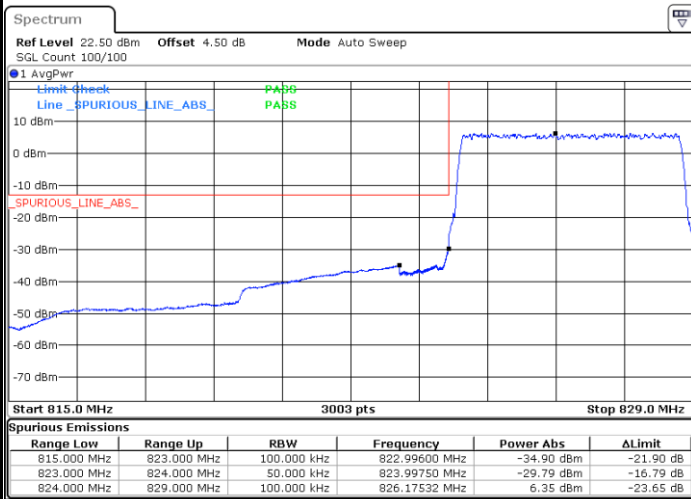
Lowest Band Edge / 1 RB



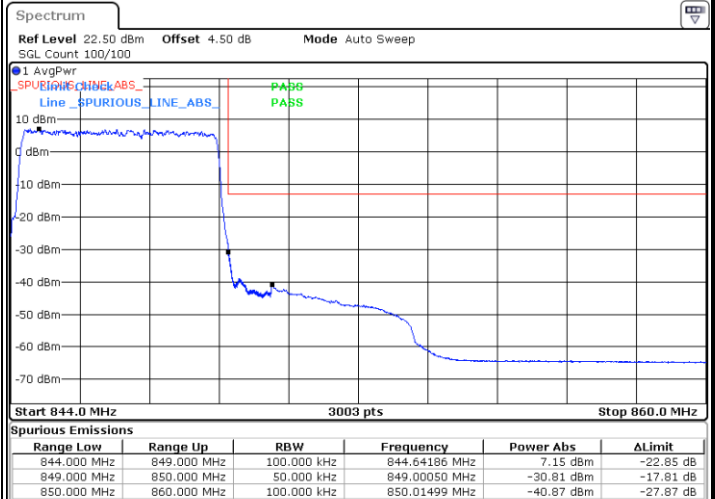
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



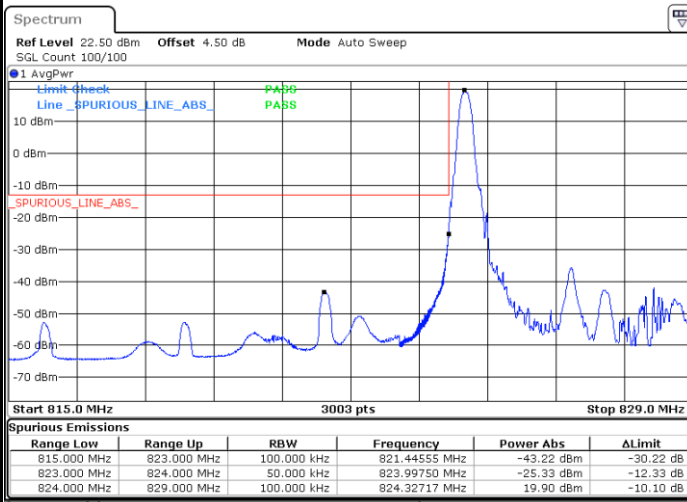
Highest Band Edge / Full RB





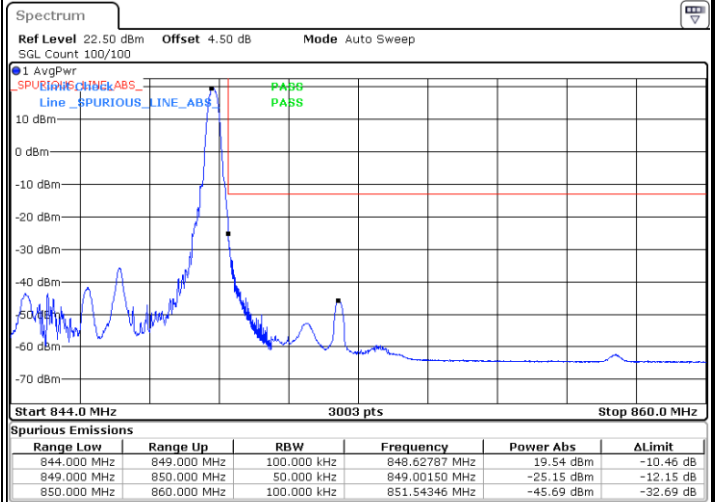
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



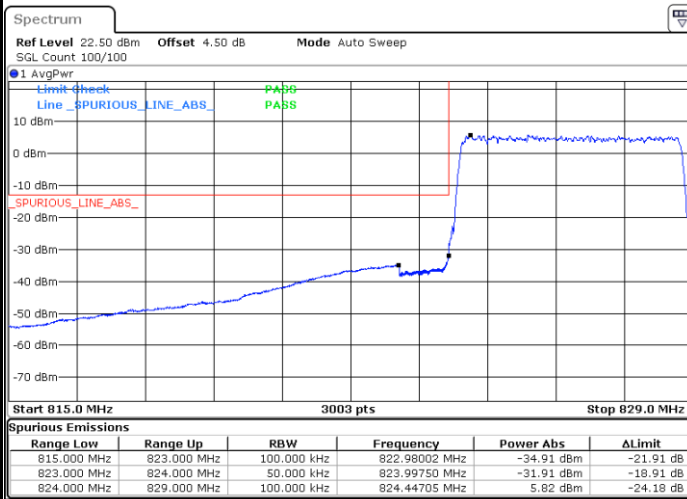
Date: 1.NOV.2019 15:14:41

Highest Band Edge / 1 RB



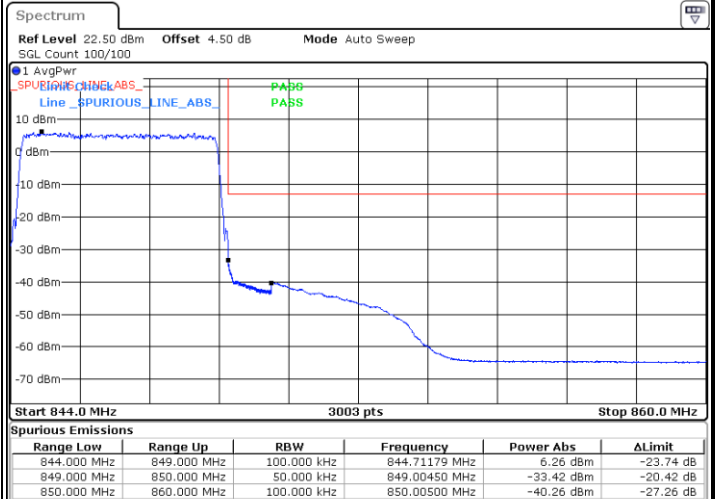
Date: 1.NOV.2019 14:42:13

Lowest Band Edge / Full RB



Date: 1.NOV.2019 15:17:56

Highest Band Edge / Full RB

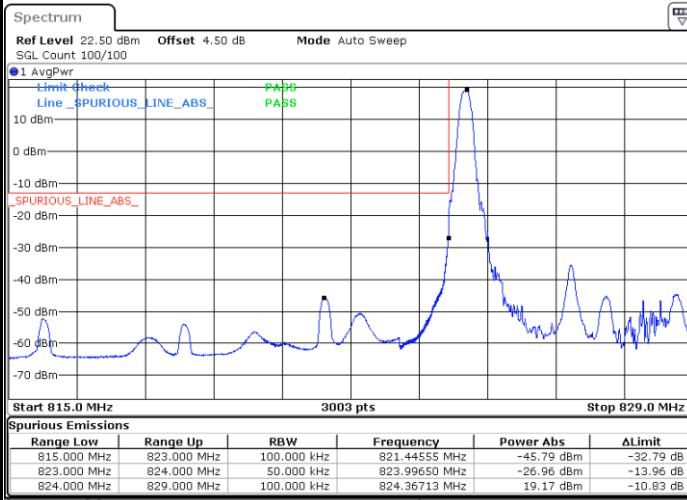


Date: 1.NOV.2019 14:45:27



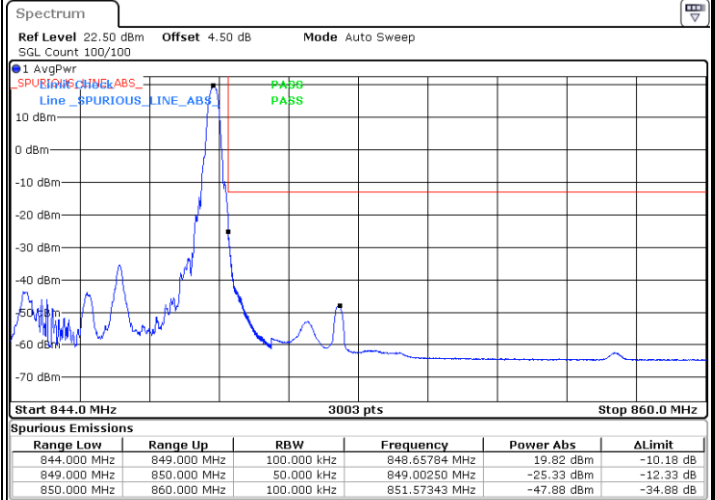
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



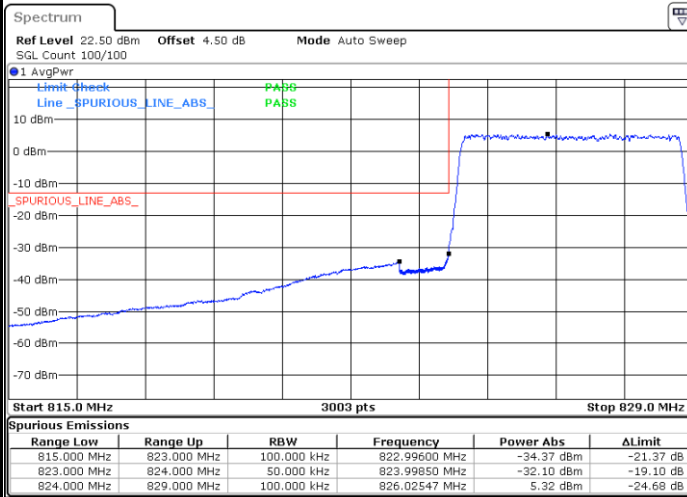
Date: 1.NOV.2019 13:58:59

Highest Band Edge / 1 RB



Date: 1.NOV.2019 14:04:42

Lowest Band Edge / Full RB



Date: 1.NOV.2019 13:57:21

Highest Band Edge / Full RB

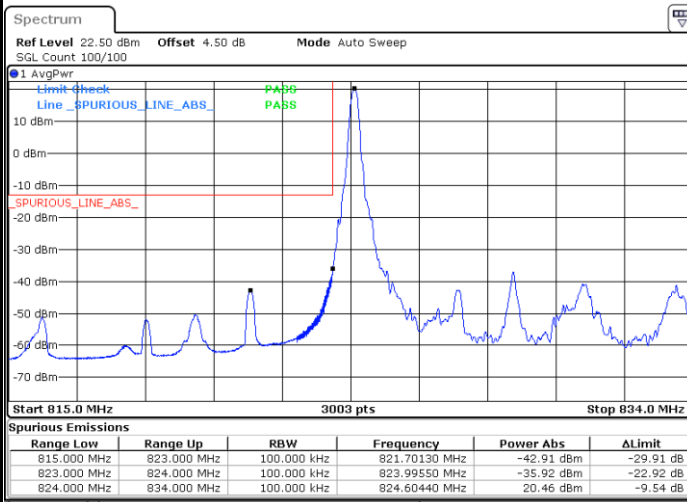


Date: 1.NOV.2019 14:03:05



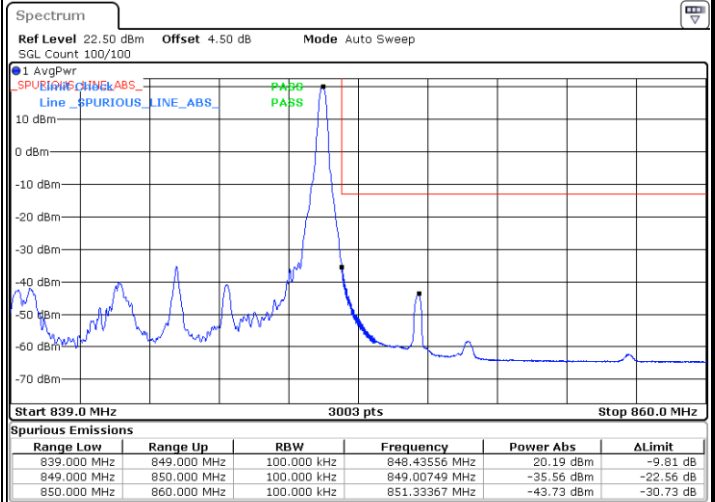
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



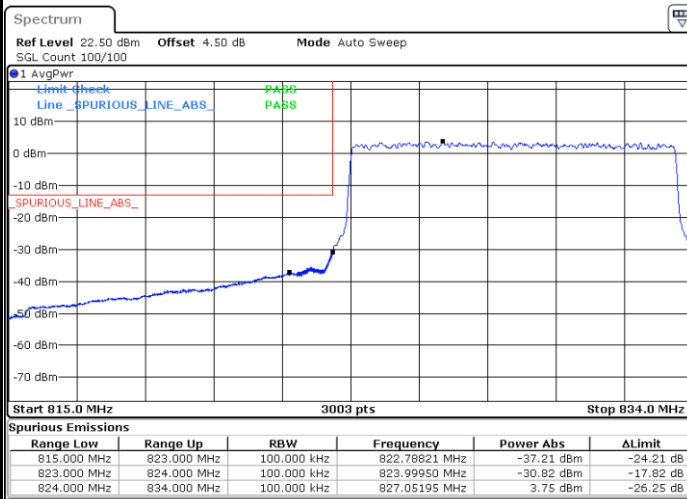
Date: 1.NOV.2019 14:47:05

Highest Band Edge / 1 RB



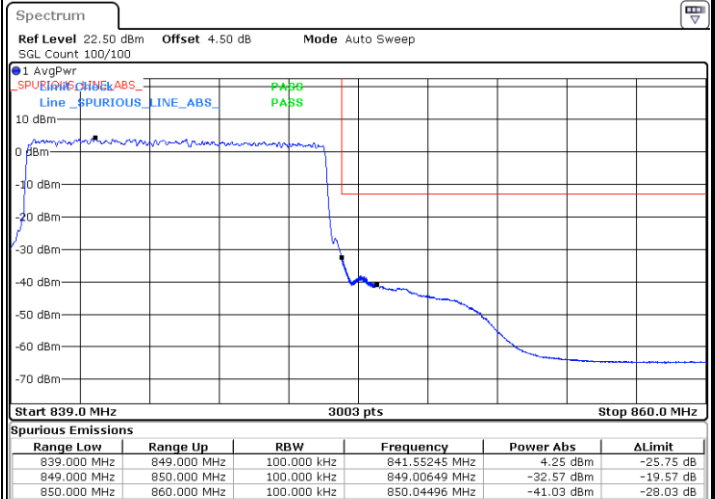
Date: 1.NOV.2019 14:53:35

Lowest Band Edge / Full RB



Date: 1.NOV.2019 14:50:20

Highest Band Edge / Full RB

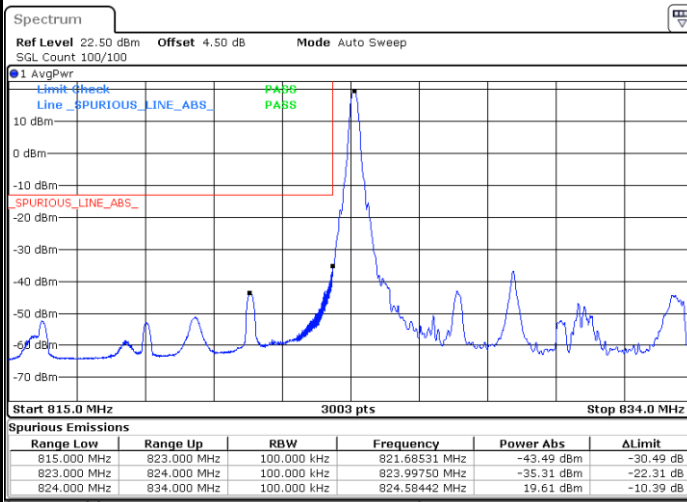


Date: 1.NOV.2019 14:56:49



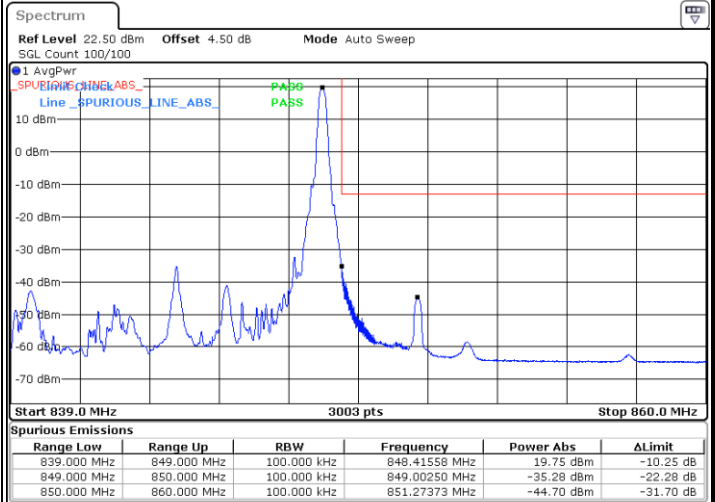
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



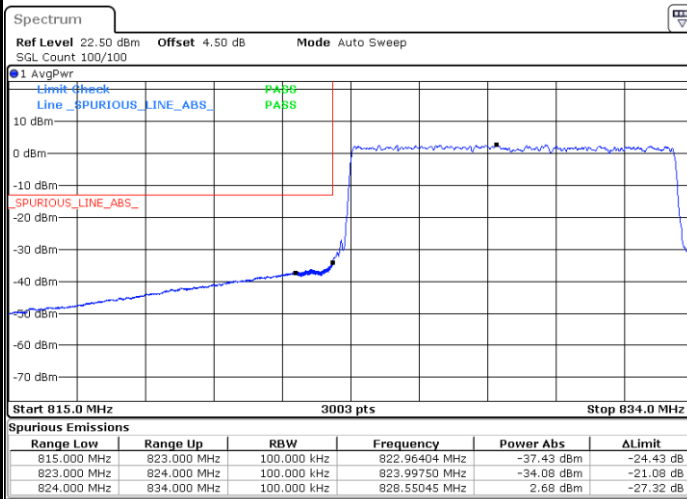
Date: 1.NOV.2019 14:48:42

Highest Band Edge / 1 RB



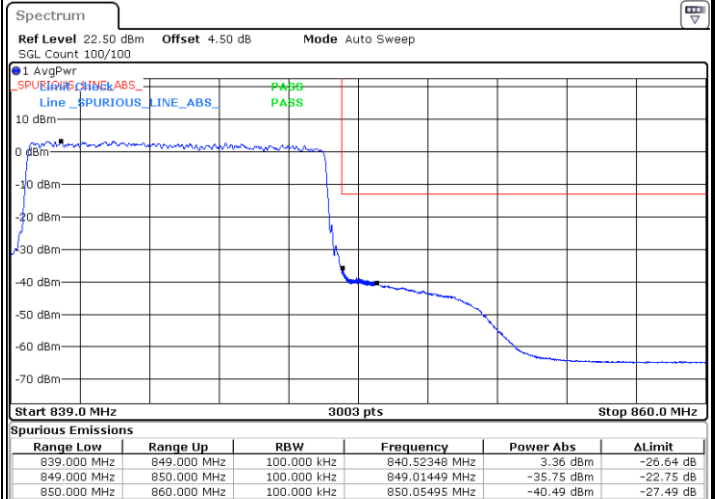
Date: 1.NOV.2019 14:55:12

Lowest Band Edge / Full RB



Date: 1.NOV.2019 14:51:57

Highest Band Edge / Full RB

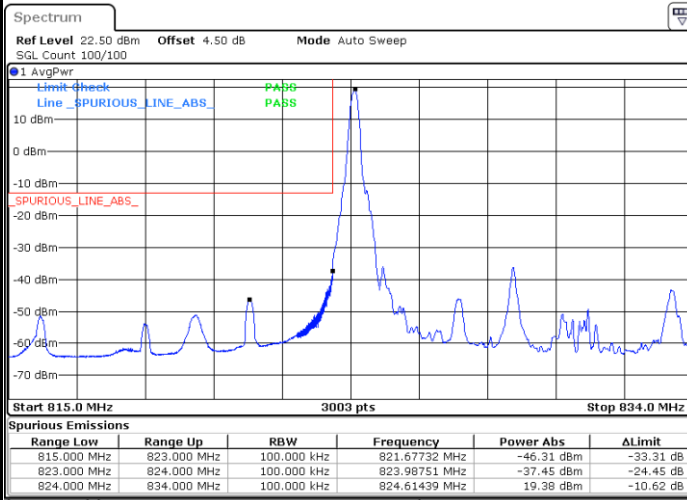


Date: 1.NOV.2019 14:58:27



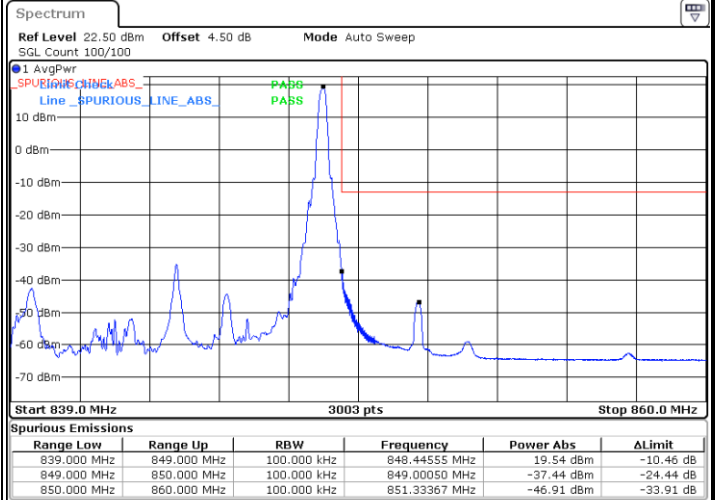
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



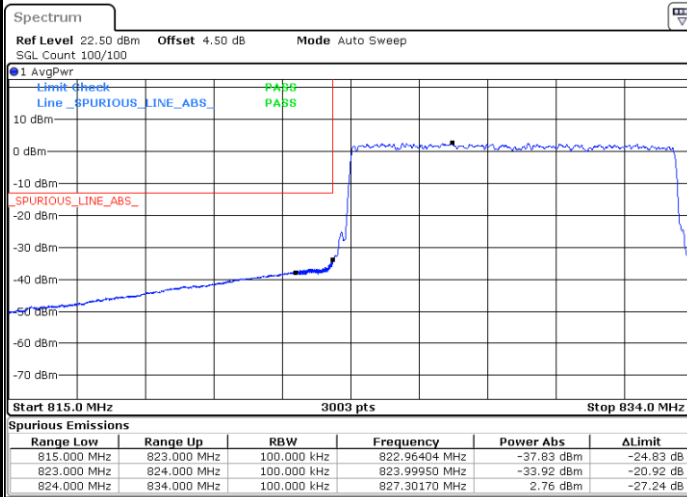
Date: 1.NOV.2019 14:09:11

Highest Band Edge / 1 RB



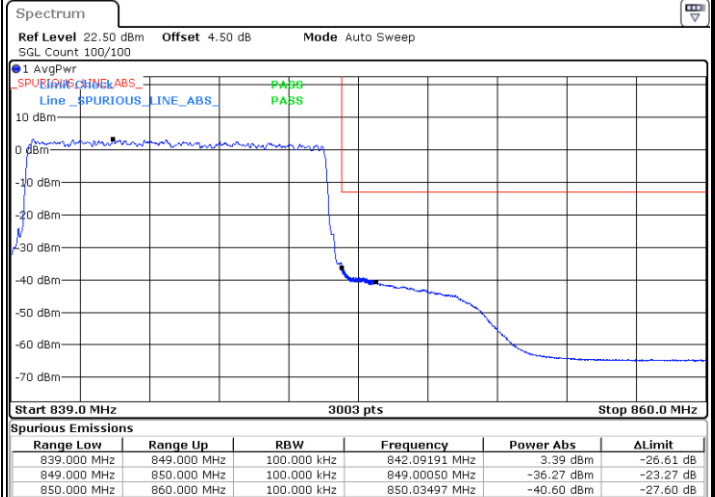
Date: 1.NOV.2019 14:14:56

Lowest Band Edge / Full RB



Date: 1.NOV.2019 14:07:33

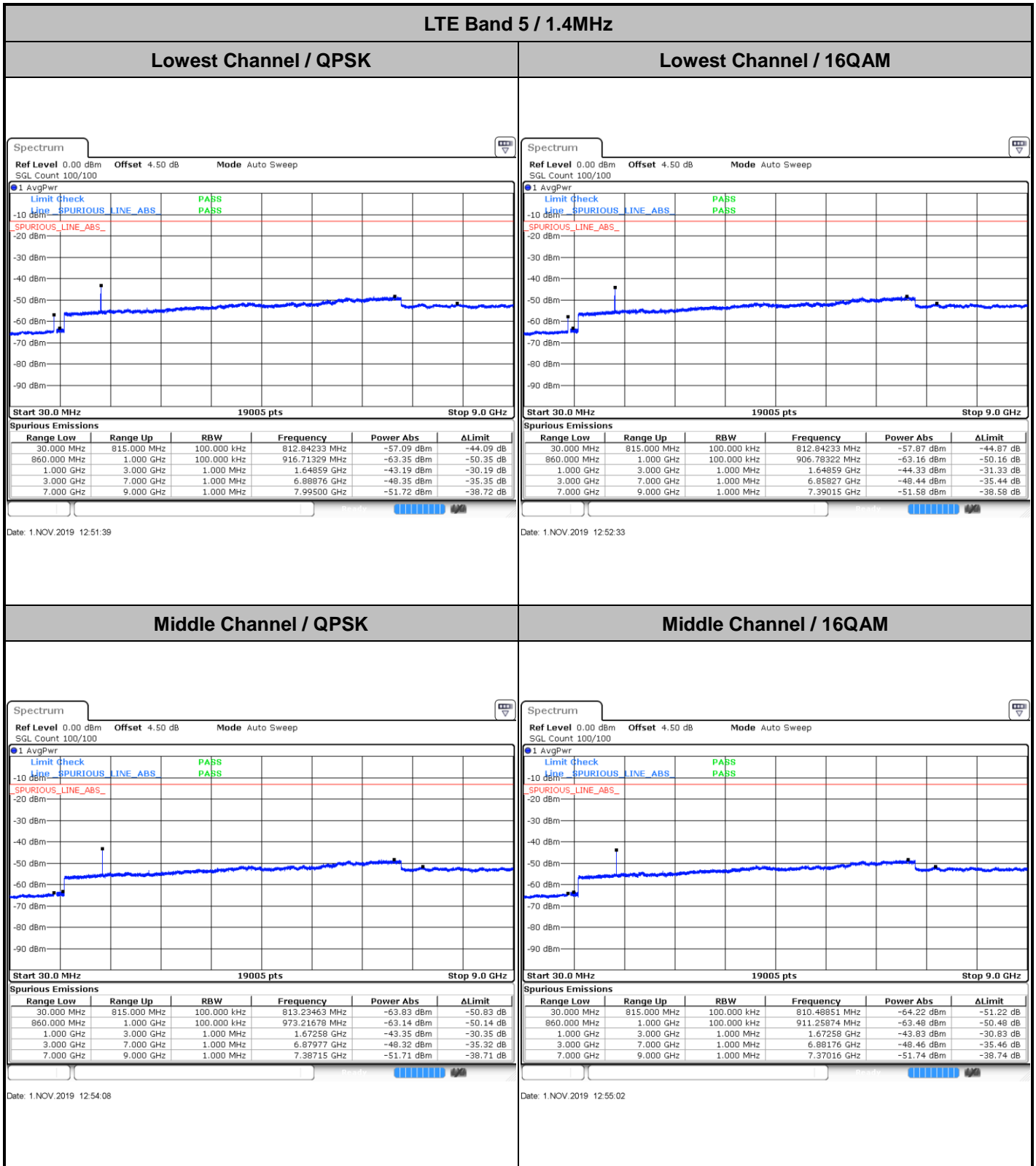
Highest Band Edge / Full RB



Date: 1.NOV.2019 14:13:19



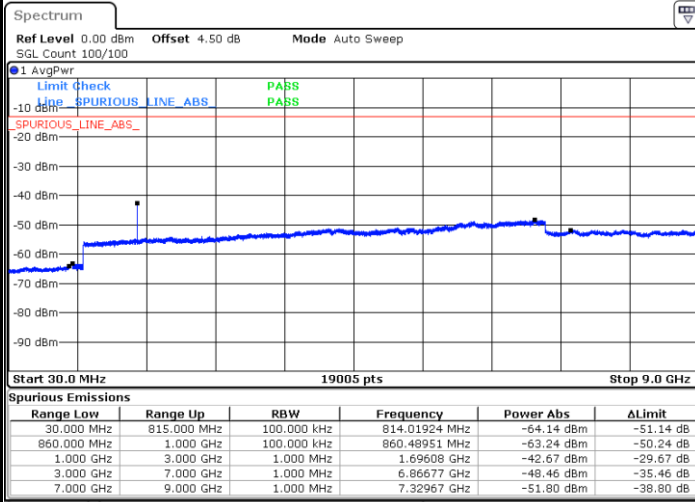
# Conducted Spurious Emission





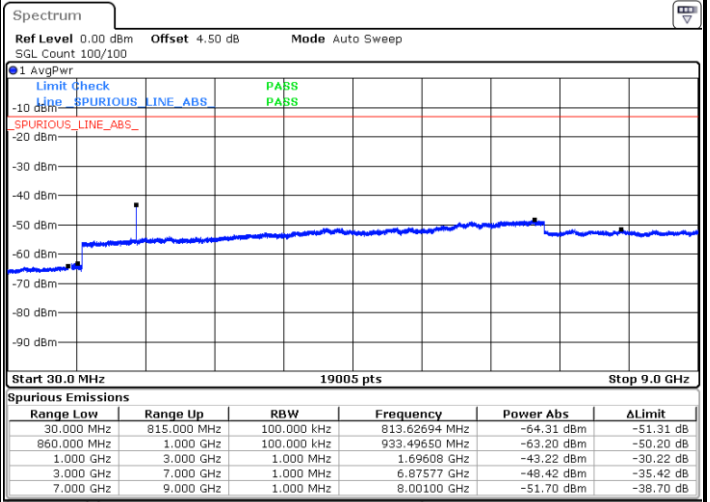
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 1.NOV.2019 12:56:36

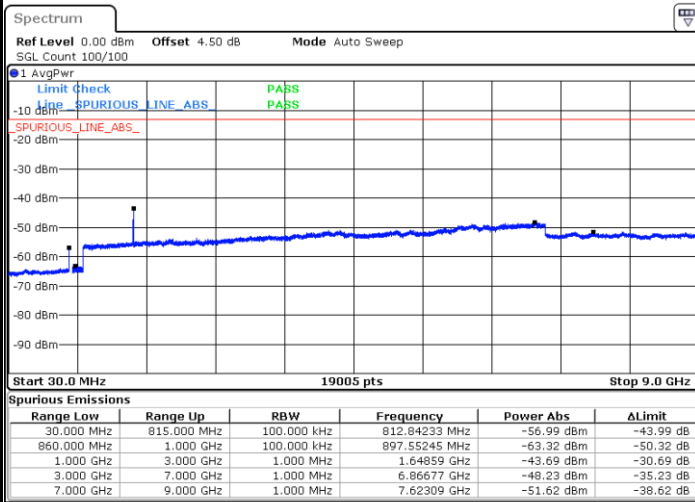
Highest Channel / 16QAM



Date: 1.NOV.2019 12:57:31

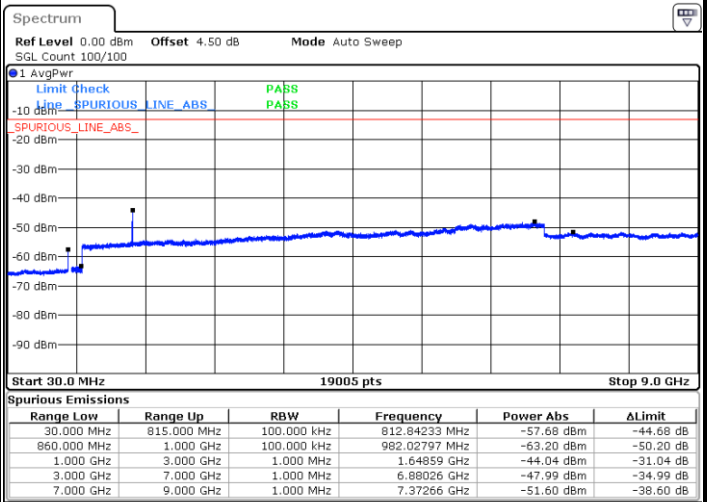
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 1.NOV.2019 12:58:05

Lowest Channel / 16QAM



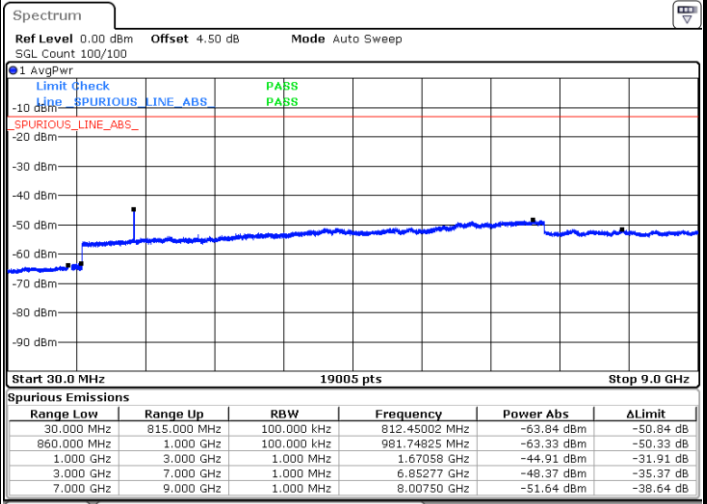
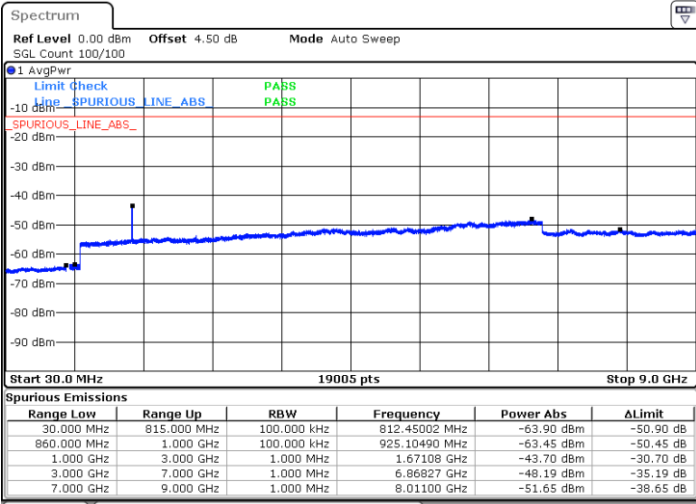
Date: 1.NOV.2019 12:58:59



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

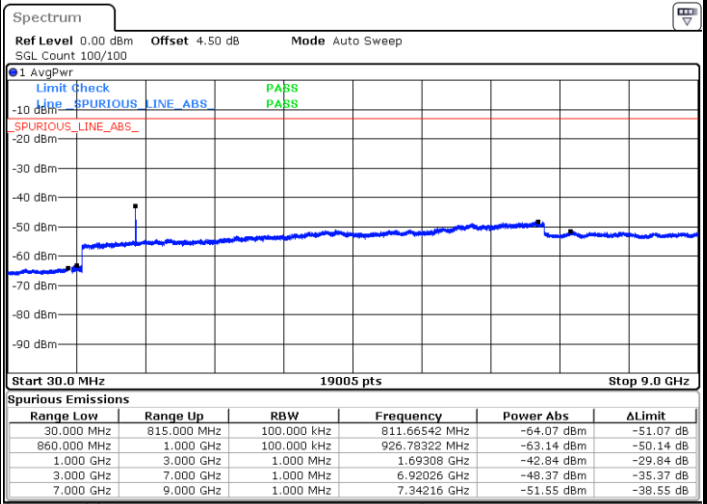
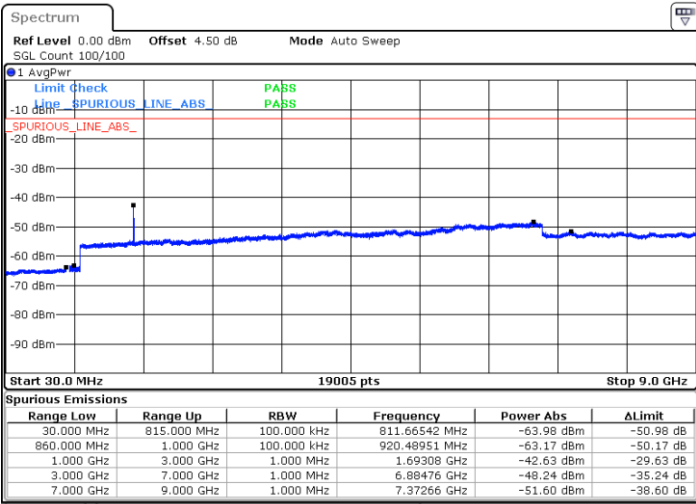


Date: 1.NOV.2019 13:01:33

Date: 1.NOV.2019 13:02:27

Highest Channel / QPSK

Highest Channel / 16QAM



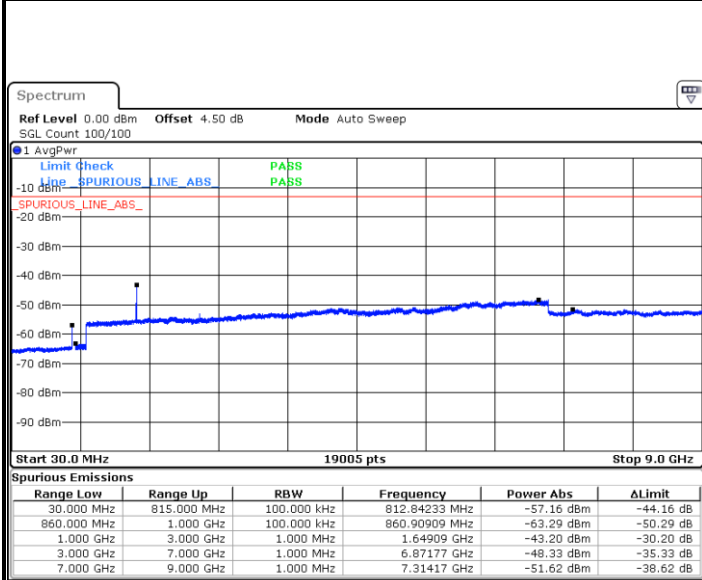
Date: 1.NOV.2019 13:04:01

Date: 1.NOV.2019 13:04:55



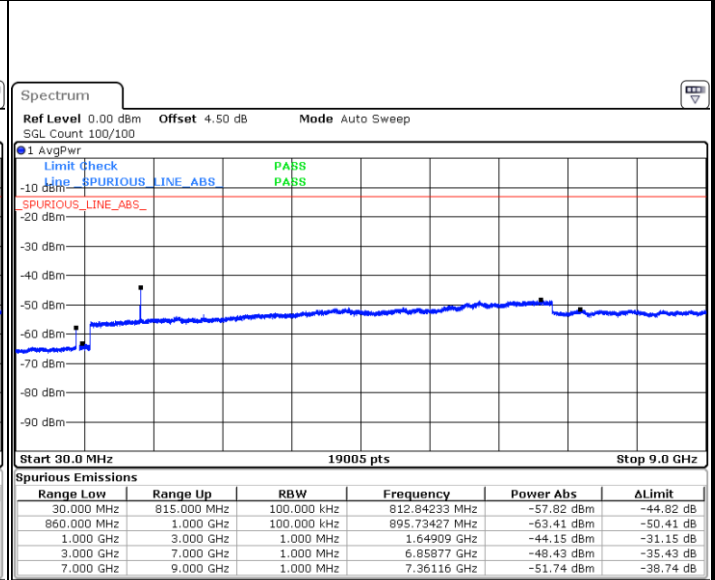
LTE Band 5 / 5MHz

Lowest Channel / QPSK



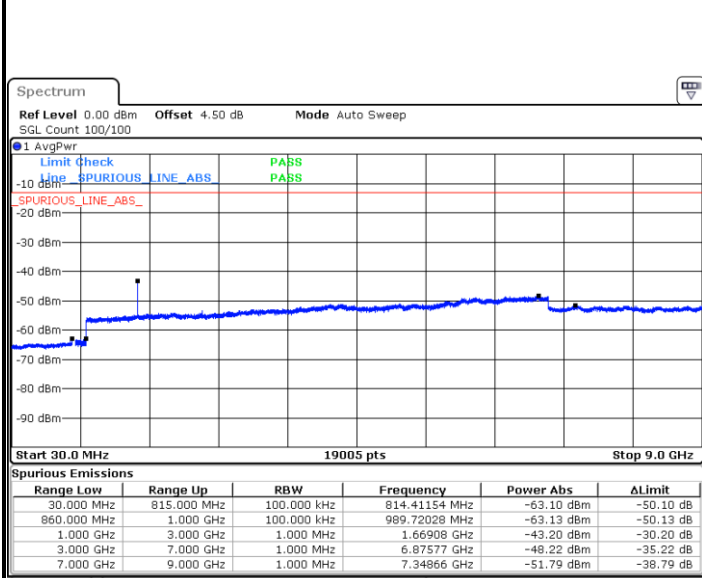
Date: 1.NOV.2019 13:06:30

Lowest Channel / 16QAM



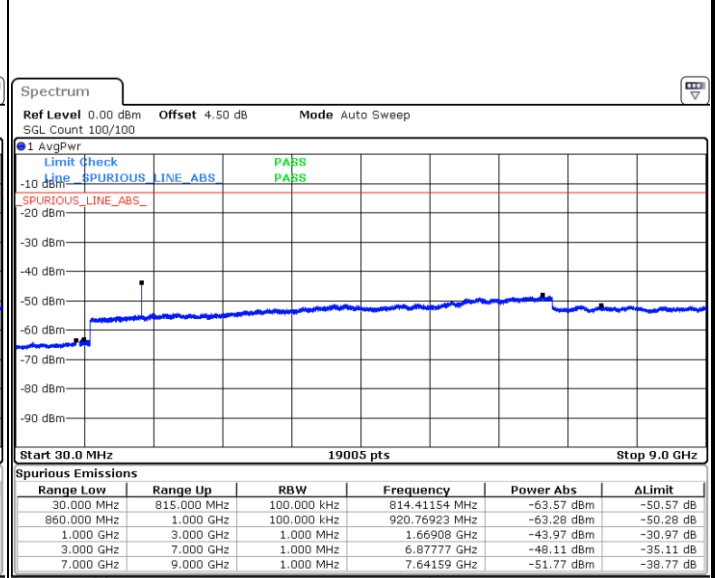
Date: 1.NOV.2019 13:07:24

Middle Channel / QPSK



Date: 1.NOV.2019 13:08:58

Middle Channel / 16QAM

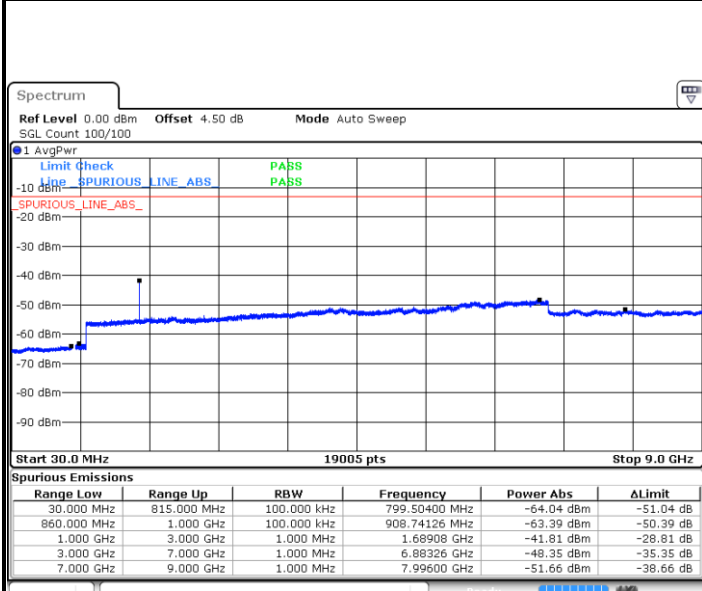


Date: 1.NOV.2019 13:09:52



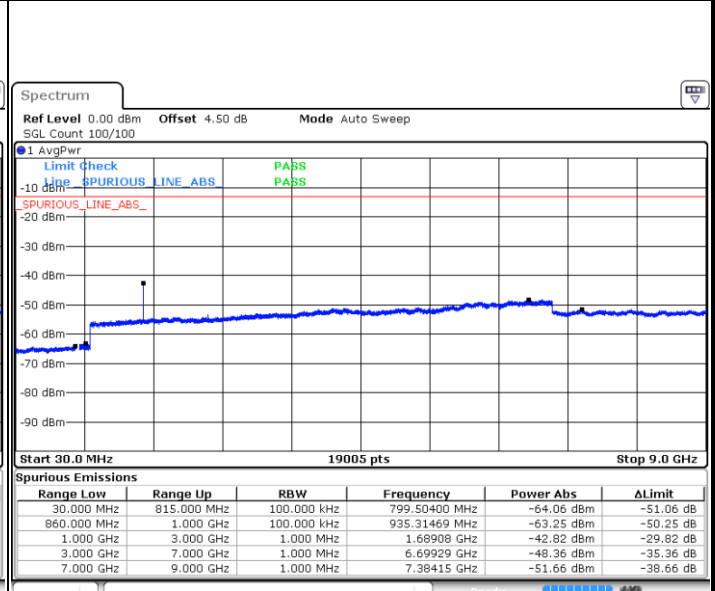
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 1.NOV.2019 13:11:27

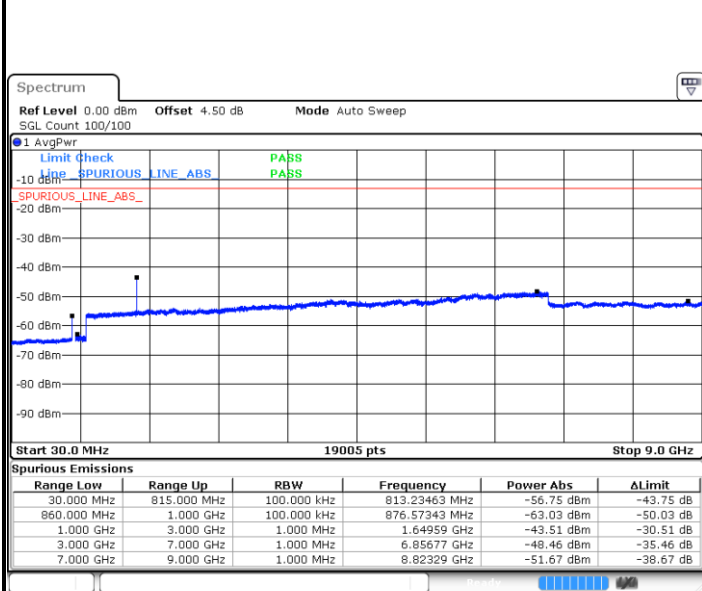
Highest Channel / 16QAM



Date: 1.NOV.2019 13:12:21

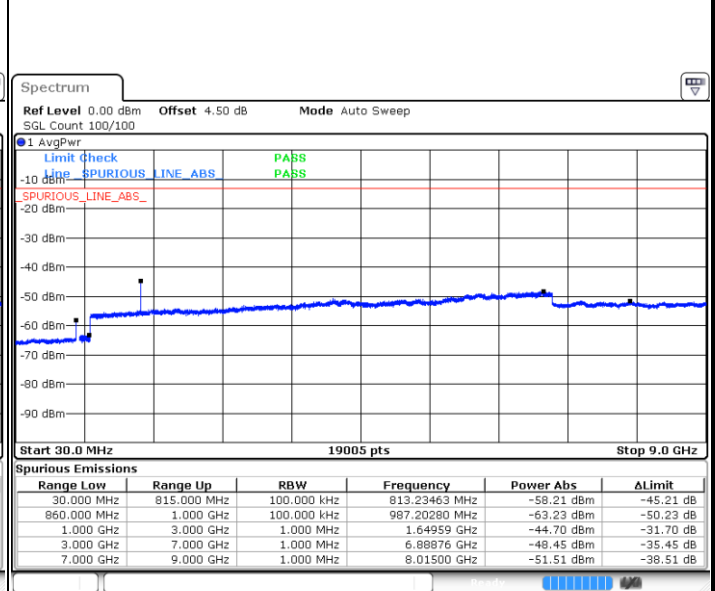
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 1.NOV.2019 13:13:57

Lowest Channel / 16QAM



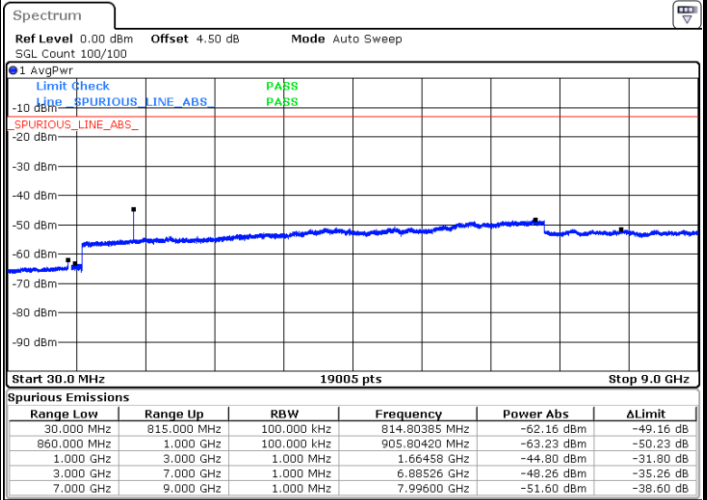
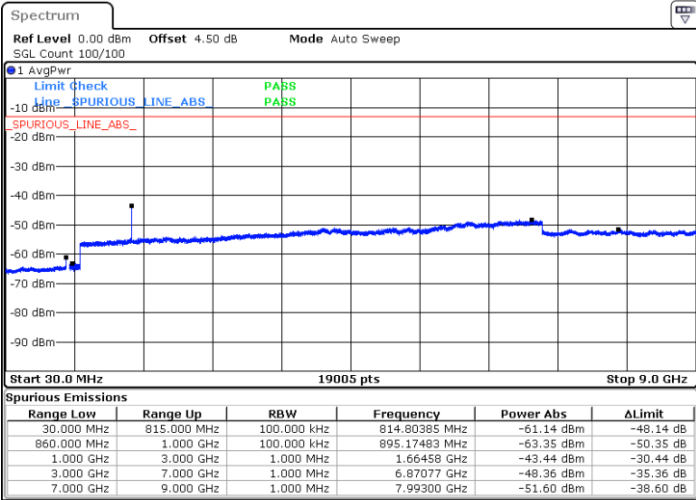
Date: 1.NOV.2019 13:14:51



LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

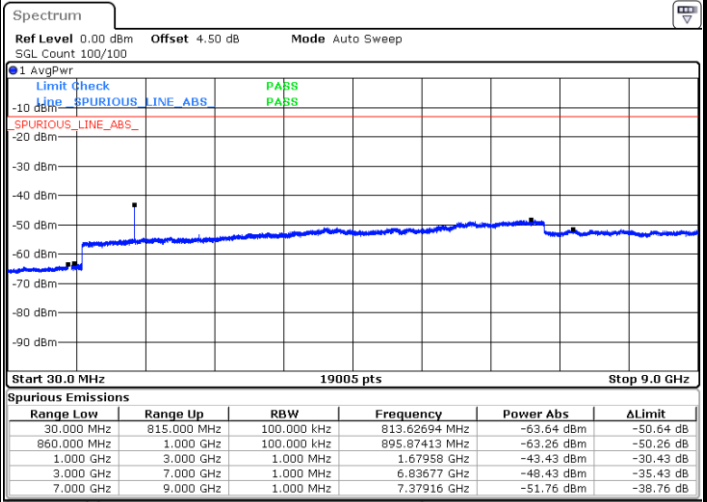
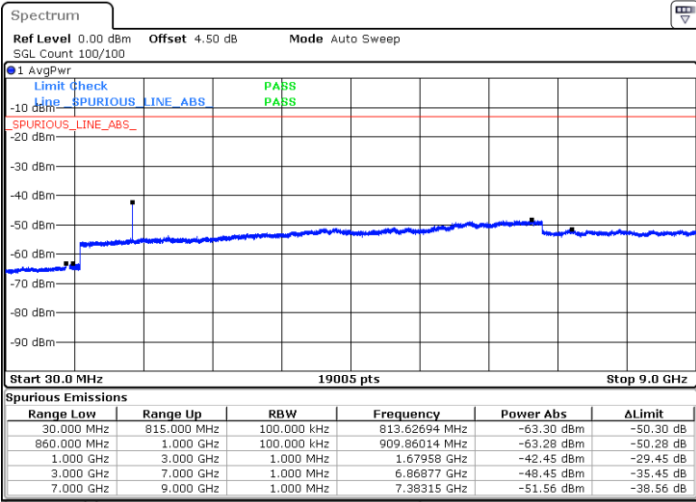


Date: 1.NOV.2019 13:16:26

Date: 1.NOV.2019 13:17:20

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.NOV.2019 13:18:54

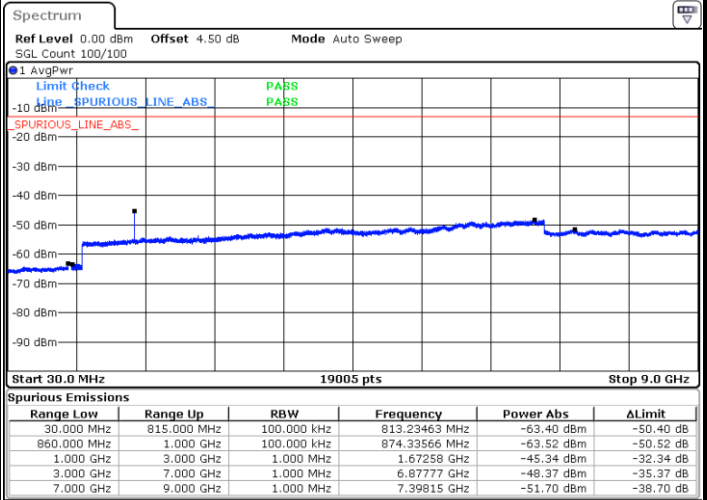
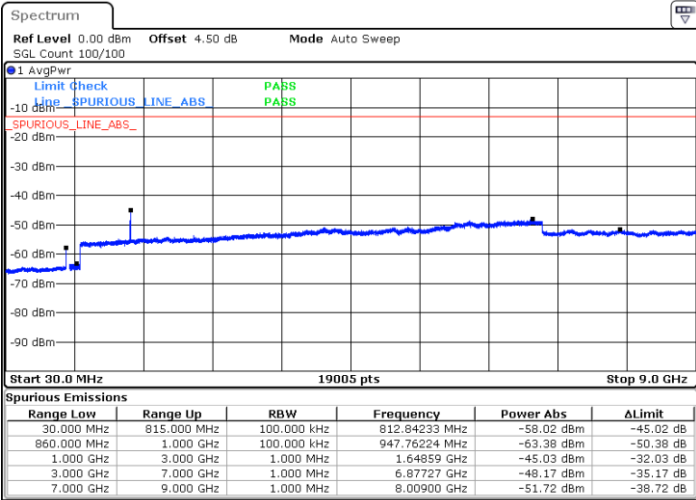
Date: 1.NOV.2019 13:19:48



LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

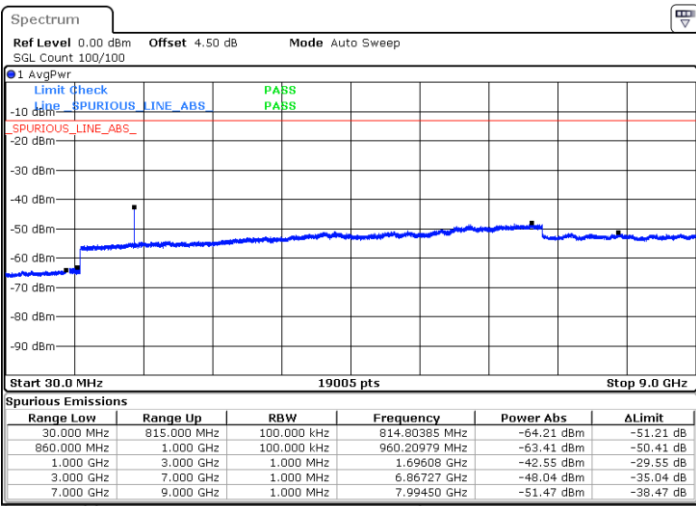
Middle Channel / 64QAM



Date: 1.NOV.2019 13:39:27

Date: 1.NOV.2019 13:40:21

Highest Channel / 64QAM



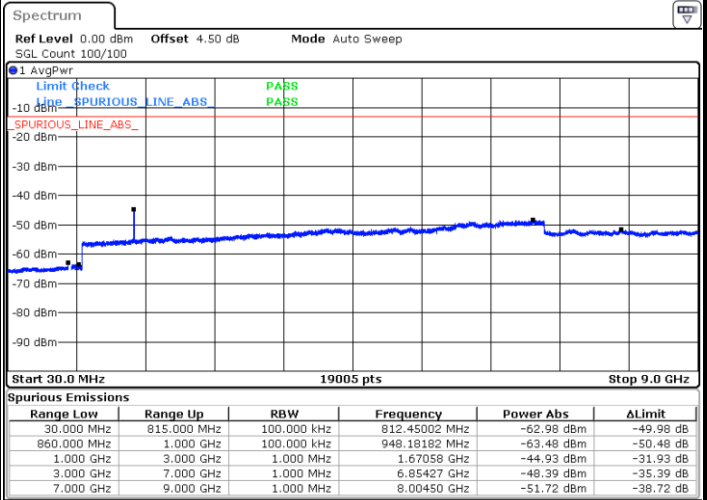
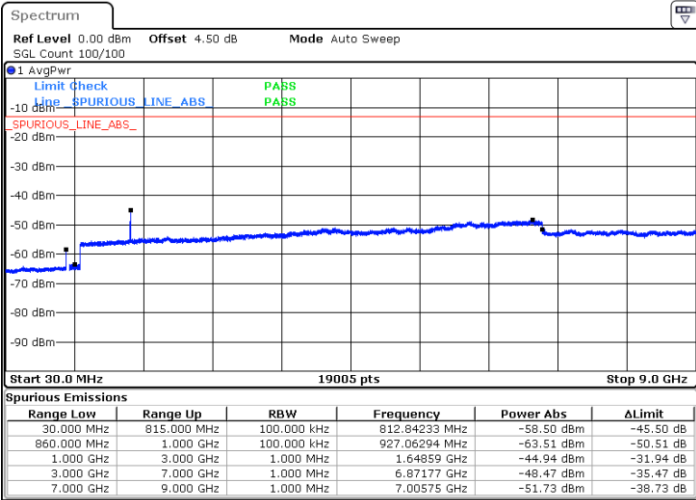
Date: 1.NOV.2019 13:45:10



LTE Band 5 / 3MHz

Lowest Channel / 64QAM

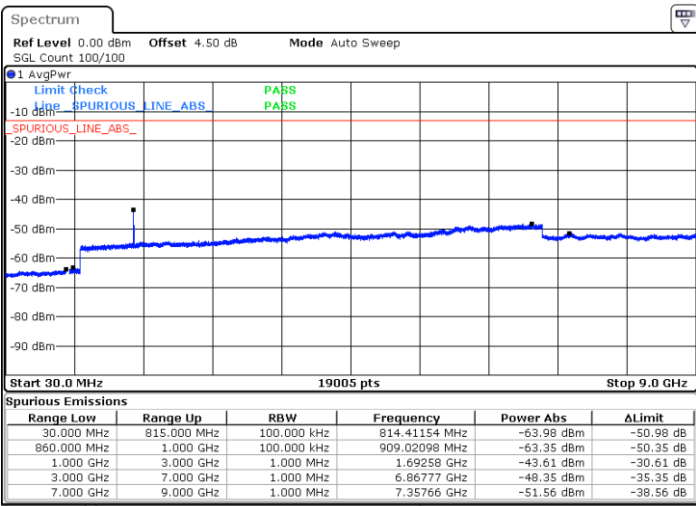
Middle Channel / 64QAM



Date: 1.NOV.2019 13:49:39

Date: 1.NOV.2019 13:50:33

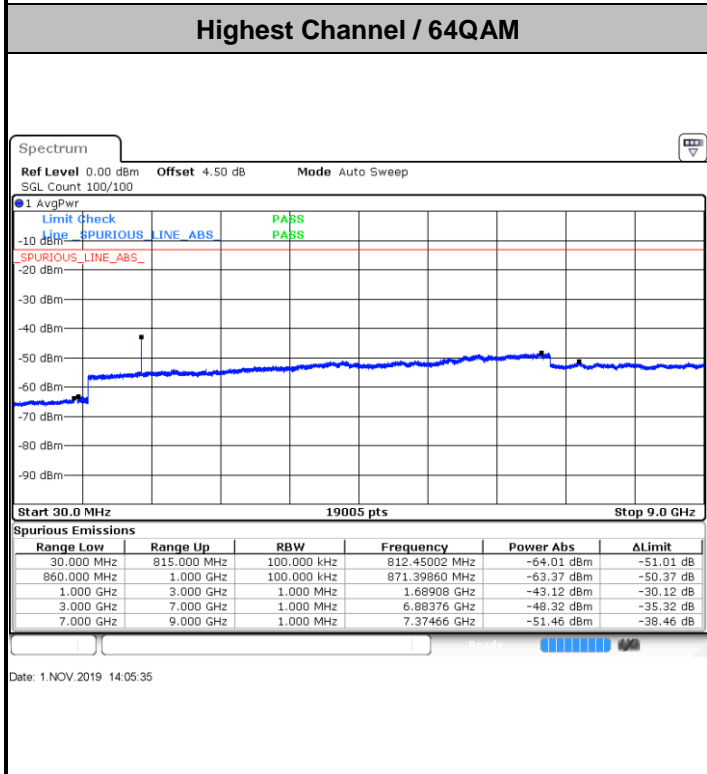
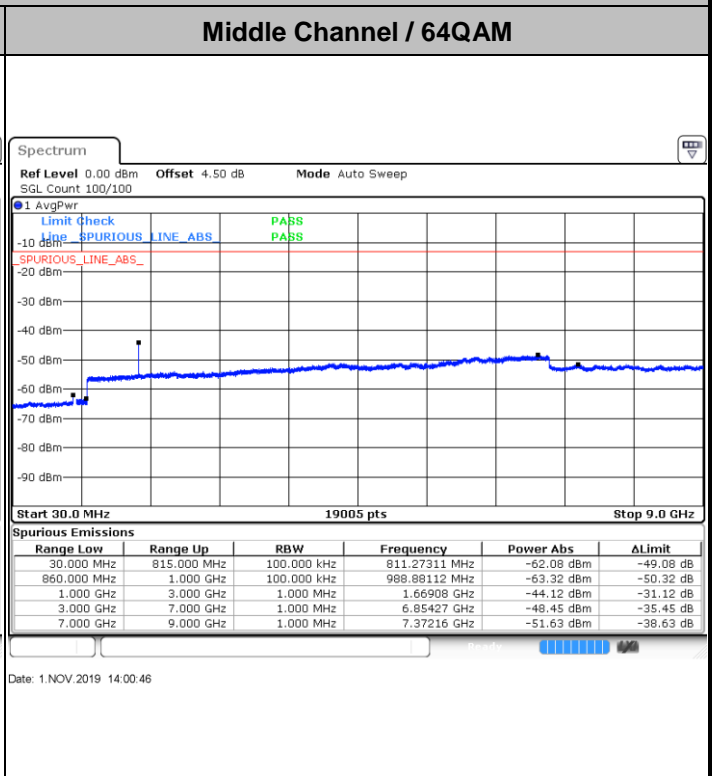
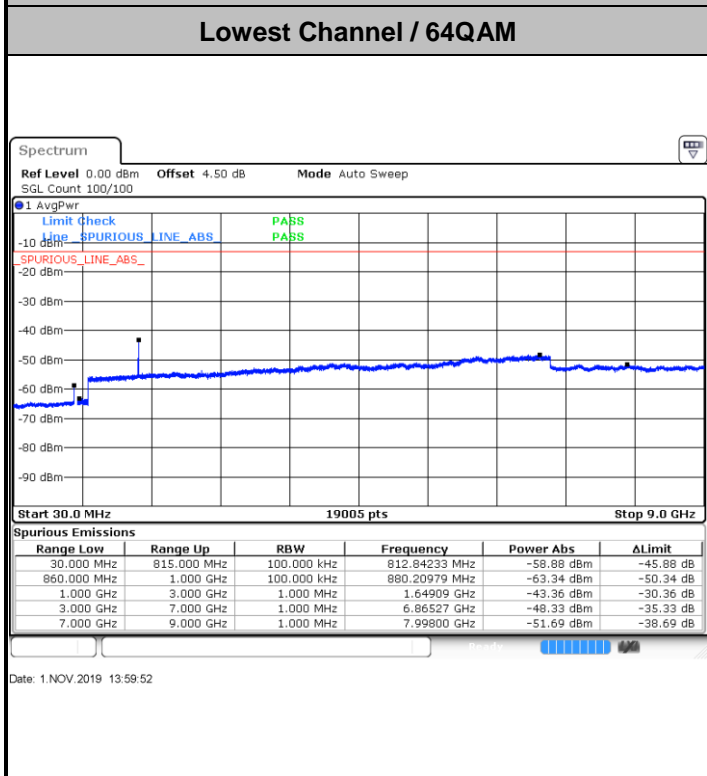
Highest Channel / 64QAM



Date: 1.NOV.2019 13:55:22



**LTE Band 5 / 5MHz**

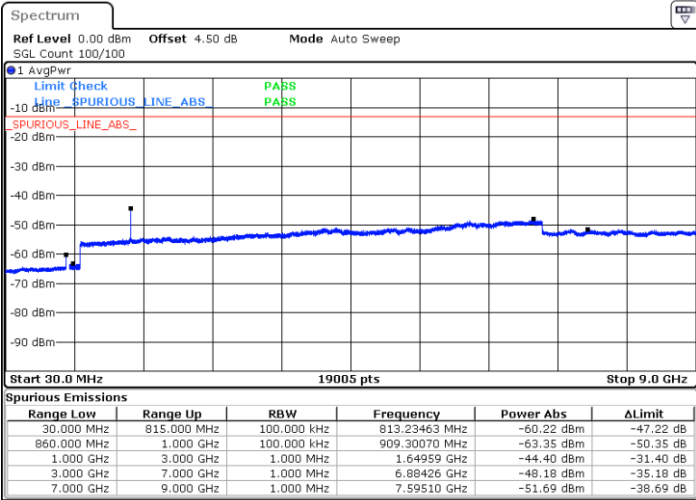




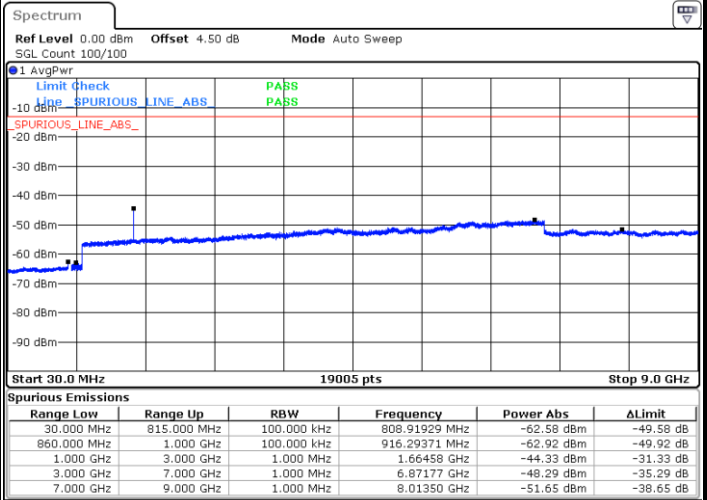
LTE Band 5 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

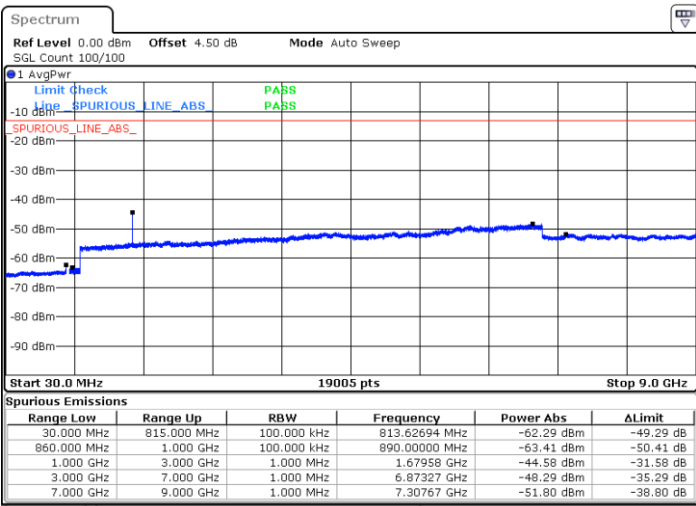


Date: 1.NOV.2019 14:10:04



Date: 1.NOV.2019 14:10:58

Highest Channel / 64QAM



Date: 1.NOV.2019 14:15:50



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	0.0003	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0047	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0051	
0	Normal Voltage	0.0059	
-10	Normal Voltage	0.0048	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0044	
20	Normal Voltage	0.0056	
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 26

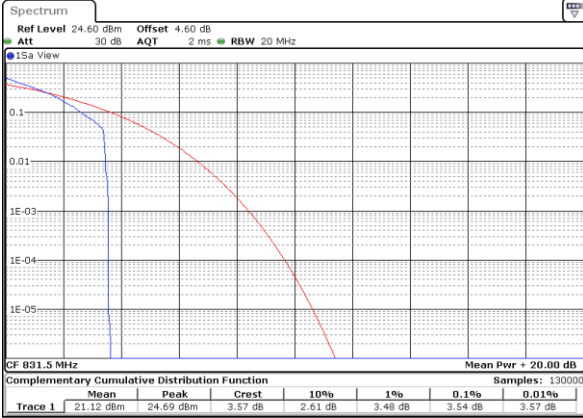
## Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.54	4.72	4.99	5.86	PASS
Middle CH	3.48	4.61	5.04	5.91	
Highest CH	3.59	4.81	5.01	5.97	
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.33	6.49			PASS
Middle CH	6.32	6.55			
Highest CH	6.55	6.61			



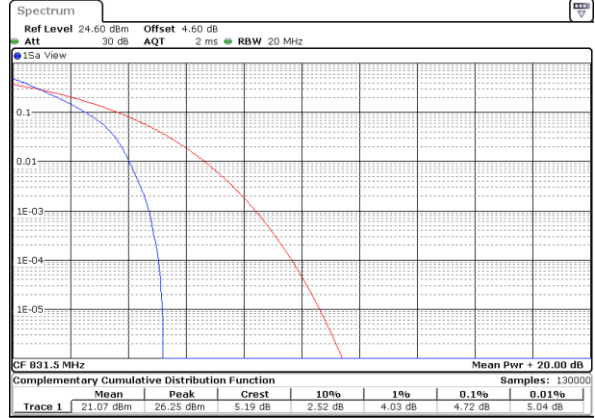
LTE Band 26 / 15MHz / QPSK

Lowest Channel / 1RB



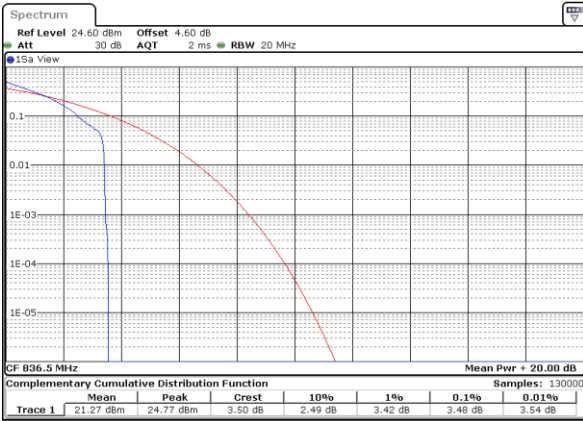
Date: 1 NOV 2019 23:53:40

Lowest Channel / Full RB



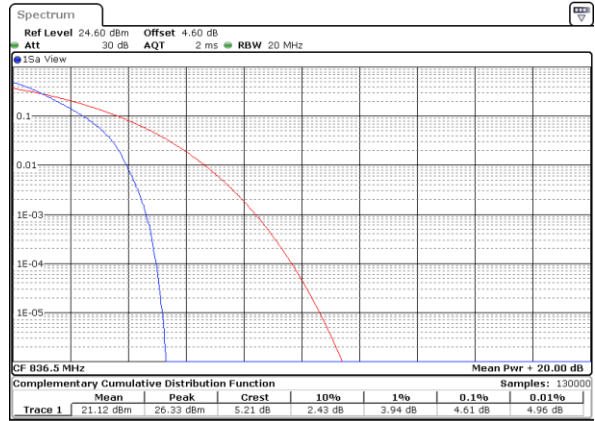
Date: 1 NOV 2019 23:55:06

Middle Channel / 1RB



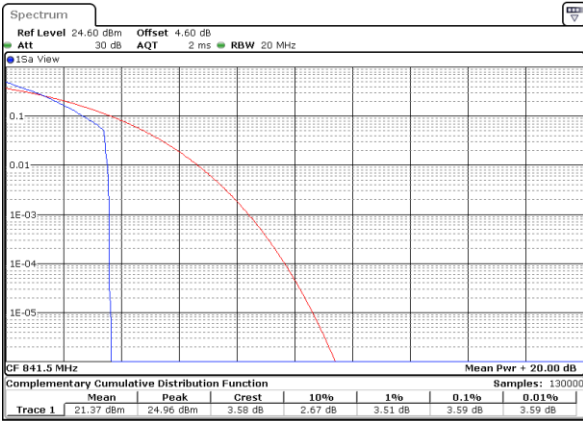
Date: 1 NOV 2019 23:54:29

Middle Channel / Full RB



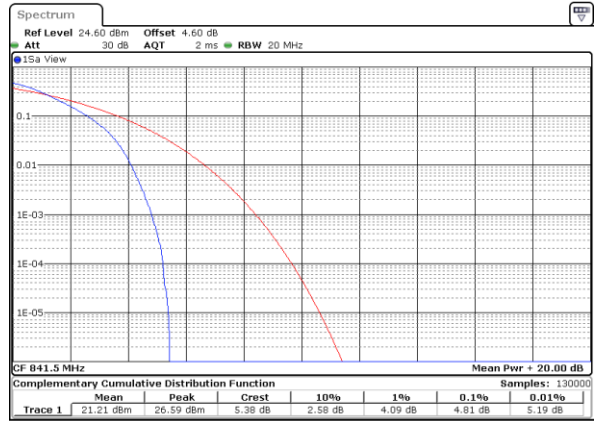
Date: 1 NOV 2019 23:55:57

Highest Channel / 1RB



Date: 1 NOV 2019 23:54:38

Highest Channel / Full RB

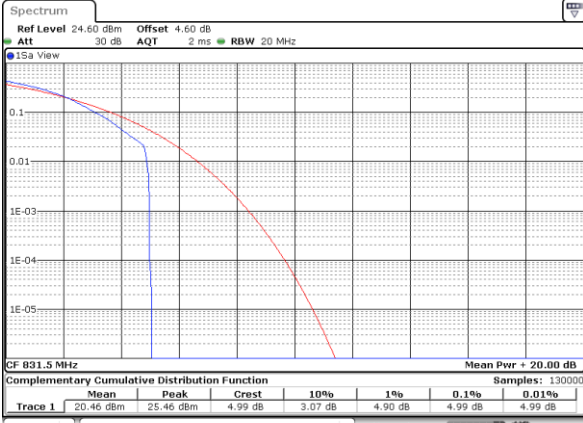


Date: 1 NOV 2019 23:56:06



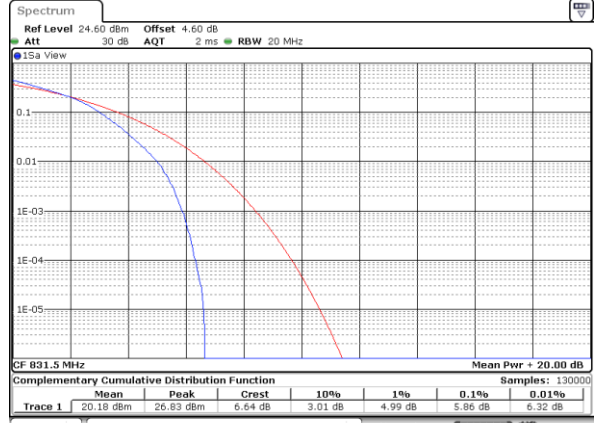
LTE Band 26 / 15MHz / 16QAM

Lowest Channel / 1RB



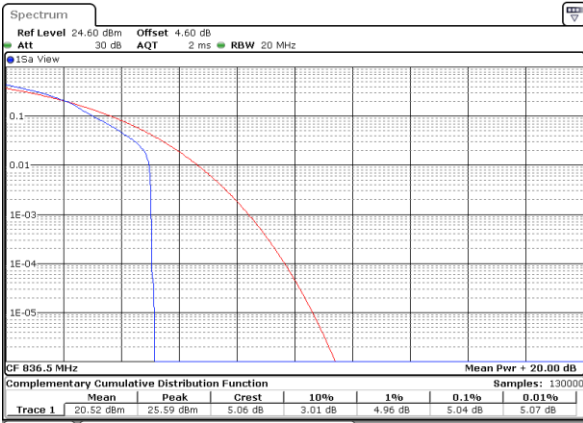
Date: 1 NOV 2019 23:53:48

Lowest Channel / Full RB



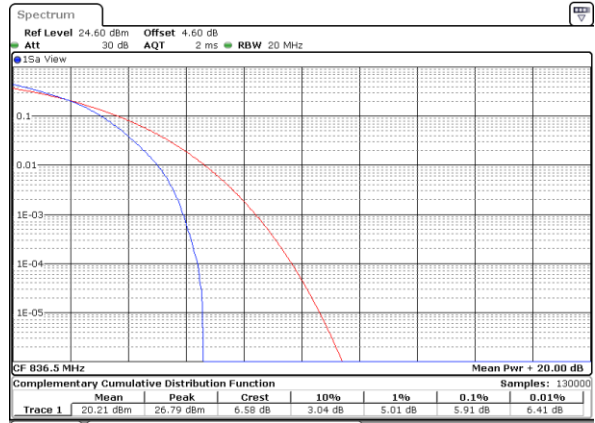
Date: 1 NOV 2019 23:55:19

Middle Channel / 1RB



Date: 1 NOV 2019 23:54:15

Middle Channel / Full RB



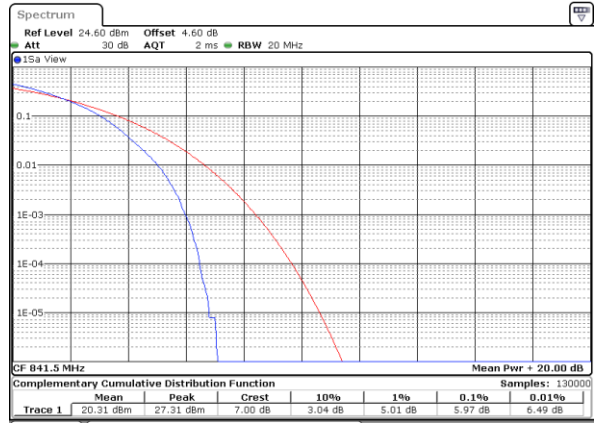
Date: 1 NOV 2019 23:55:48

Highest Channel / 1RB



Date: 1 NOV 2019 23:54:48

Highest Channel / Full RB

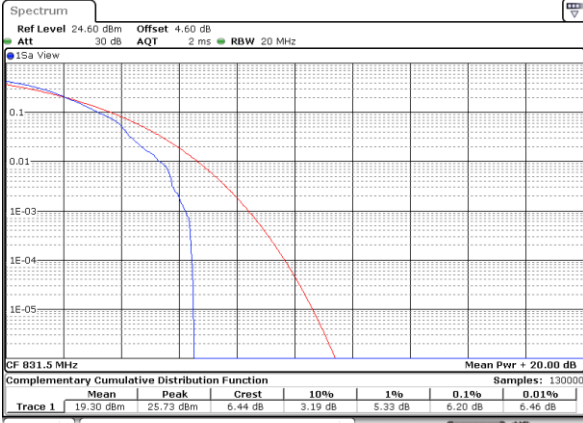


Date: 1 NOV 2019 23:56:16



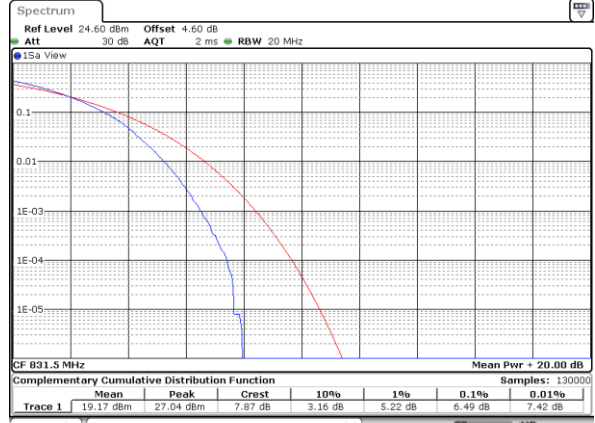
LTE Band 26 / 15MHz / 64QAM

Lowest Channel / 1RB



Date: 1 NOV 2019 23:53:57

Lowest Channel / Full RB



Date: 1 NOV 2019 23:55:29

Middle Channel / 1RB



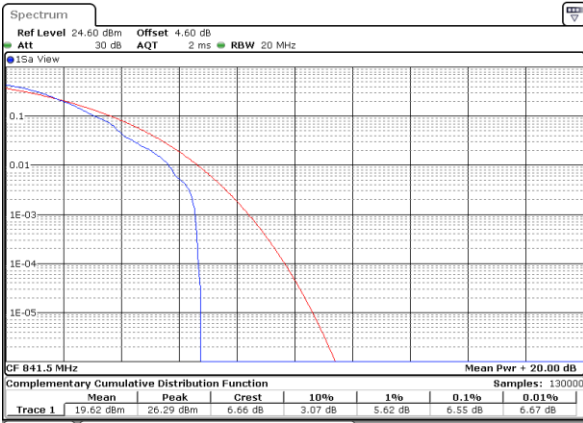
Date: 1 NOV 2019 23:54:06

Middle Channel / Full RB



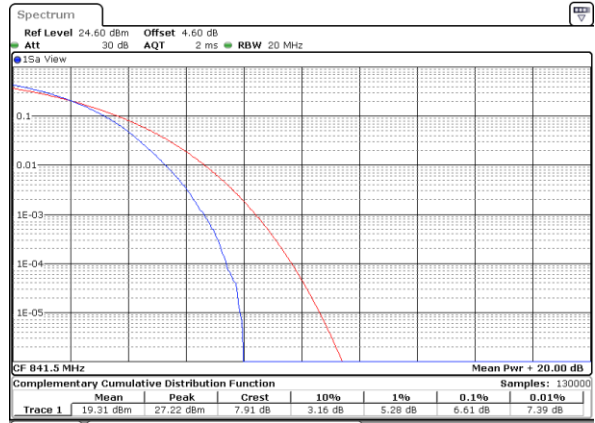
Date: 1 NOV 2019 23:55:38

Highest Channel / 1RB



Date: 1 NOV 2019 23:54:57

Highest Channel / Full RB



Date: 1 NOV 2019 23:56:25



26dB Bandwidth

Mode	LTE Band 26 : 26dB BW(MHz)									
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.22	1.22	2.99	2.96	4.98	4.86	9.79	9.81	14.45	14.51
Middle CH	1.23	1.23	3.05	3.05	4.92	4.89	9.83	9.73	14.39	14.54
Highest CH	1.23	1.22	2.99	3.00	4.91	4.92	9.63	9.81	14.36	14.24
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.24		3.05		4.98		9.77		14.48	
Middle CH	1.21		3.05		4.94		9.87		14.48	
Highest CH	1.23		3.05		4.91		9.95		14.39	