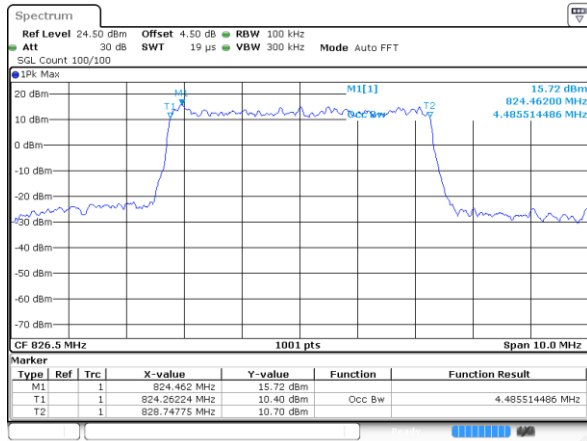


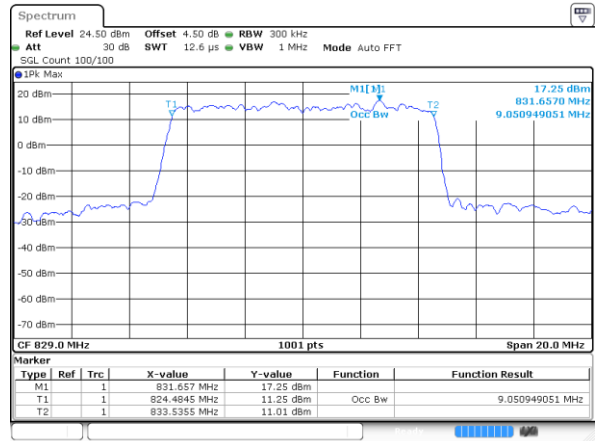


LTE Band 5

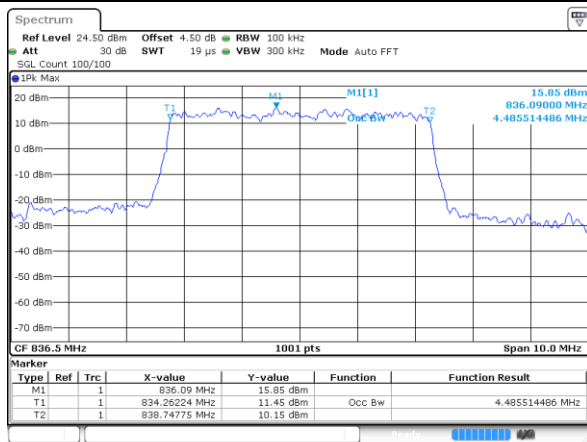
Lowest Channel / 5MHz / 64QAM



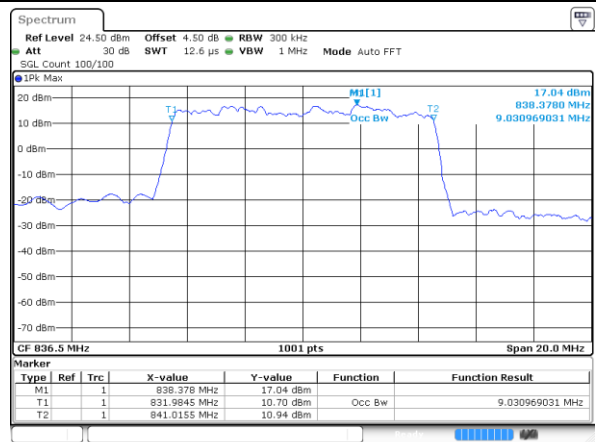
Lowest Channel / 10MHz / 64QAM



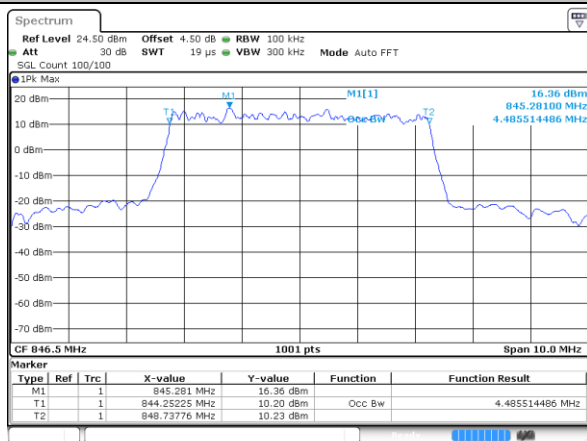
Middle Channel / 5MHz / 64QAM



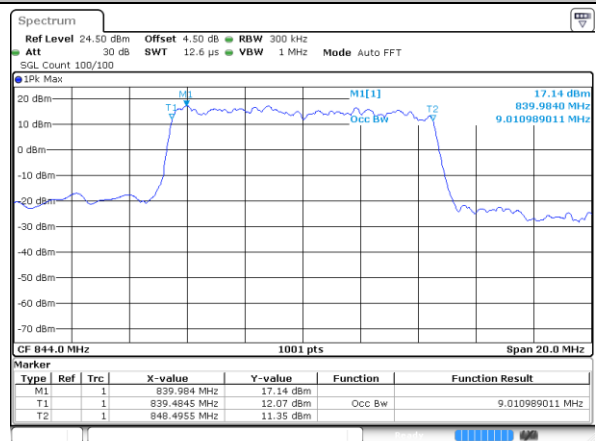
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

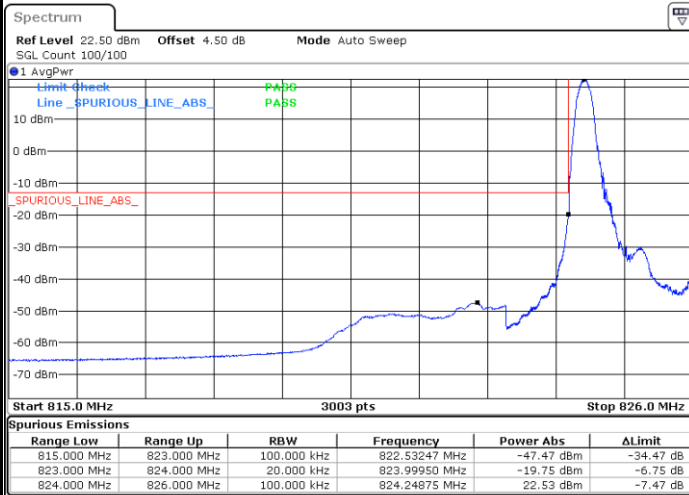




Conducted Band Edge

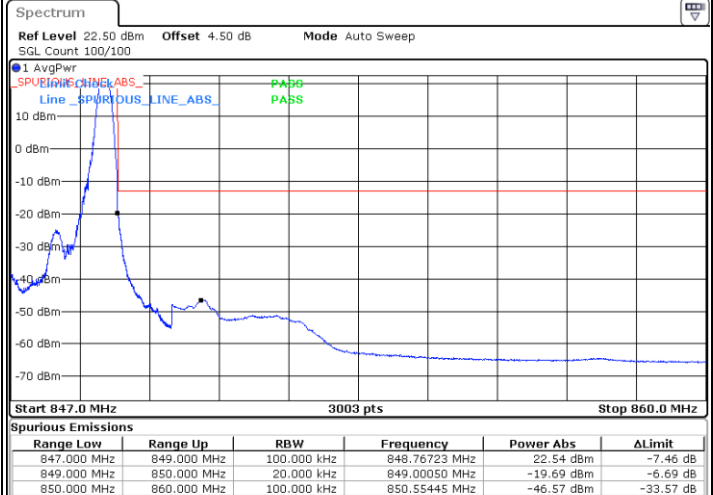
LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



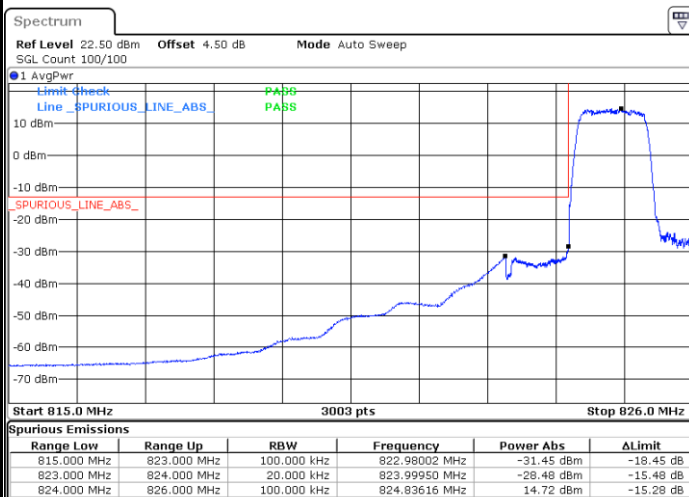
Date: 22 FEB 2020 00:56:25

Highest Band Edge / 1RB



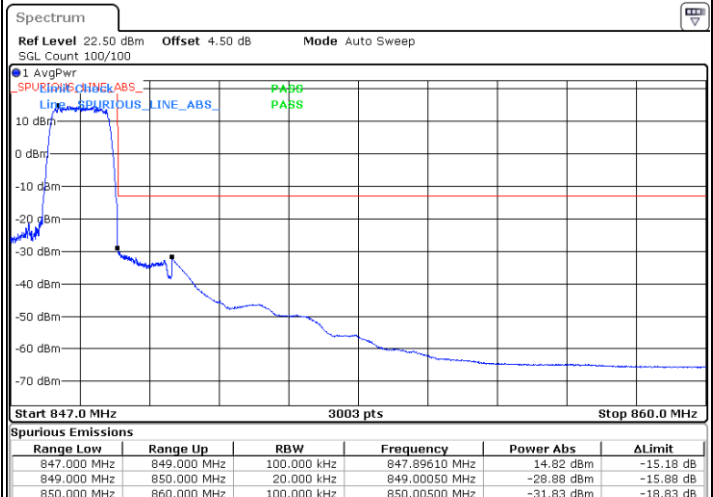
Date: 22 FEB 2020 01:11:07

Lowest Band Edge / Full RB



Date: 22 FEB 2020 00:59:40

Highest Band Edge / Full RB



Date: 22 FEB 2020 01:07:52

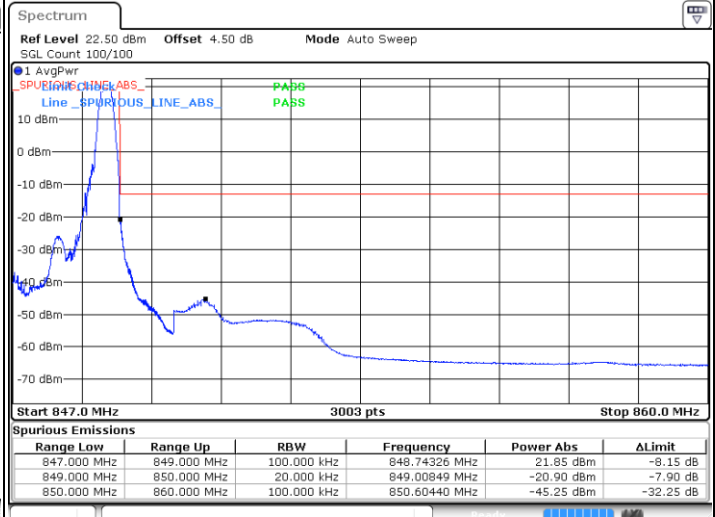


LTE Band 5 / 1.4MHz / 16QAM

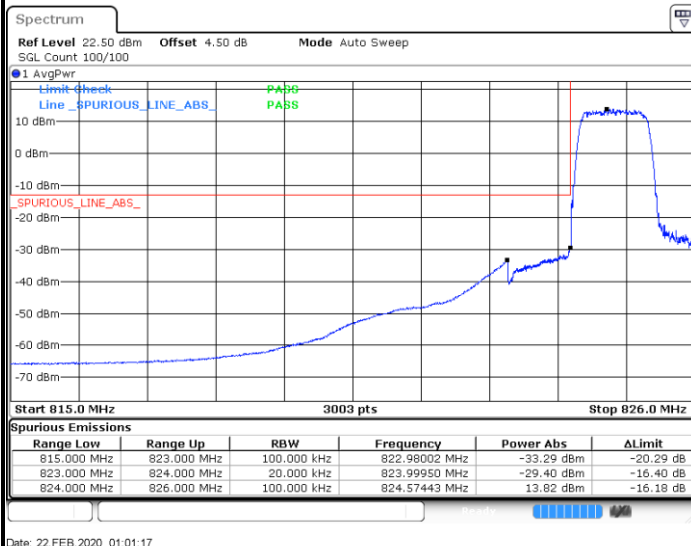
Lowest Band Edge / 1 RB



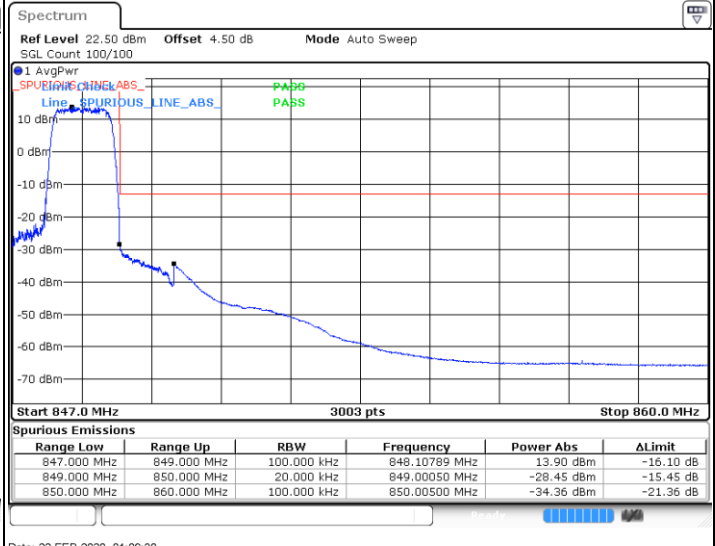
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



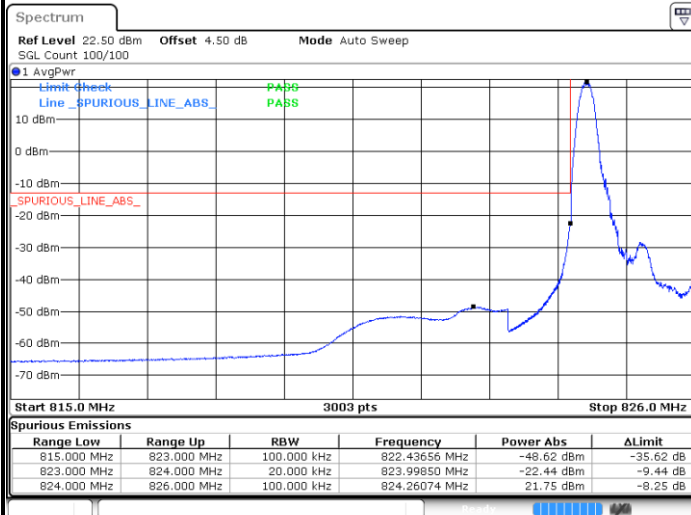
Highest Band Edge / Full RB



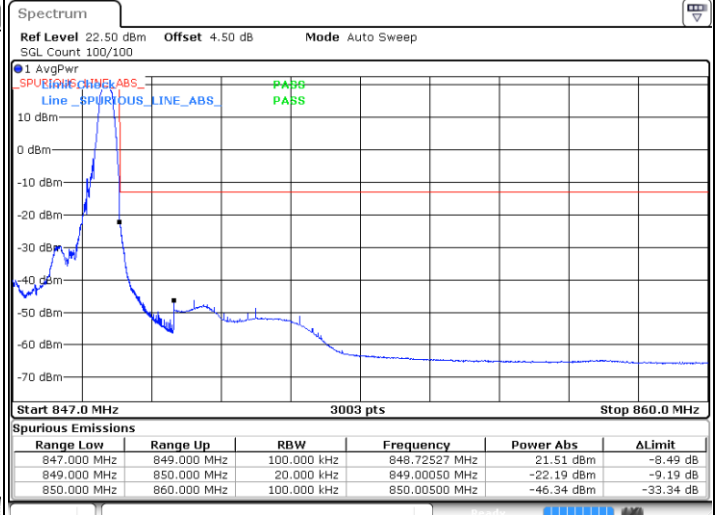


LTE Band 5 / 1.4MHz / 64QAM

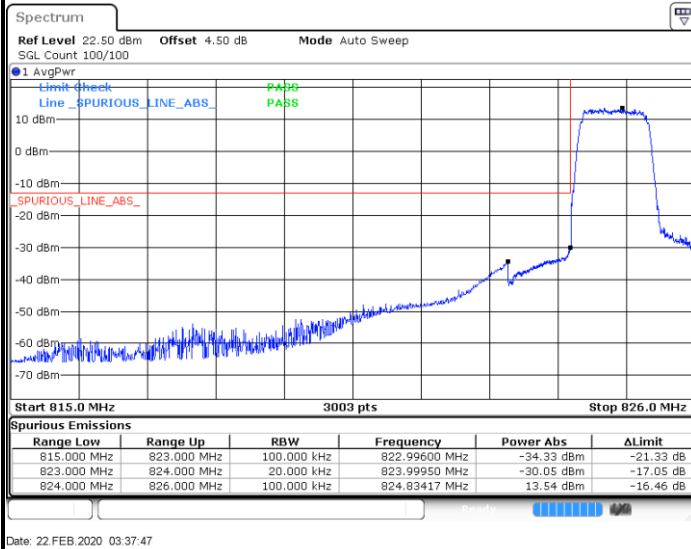
Lowest Band Edge / 1 RB



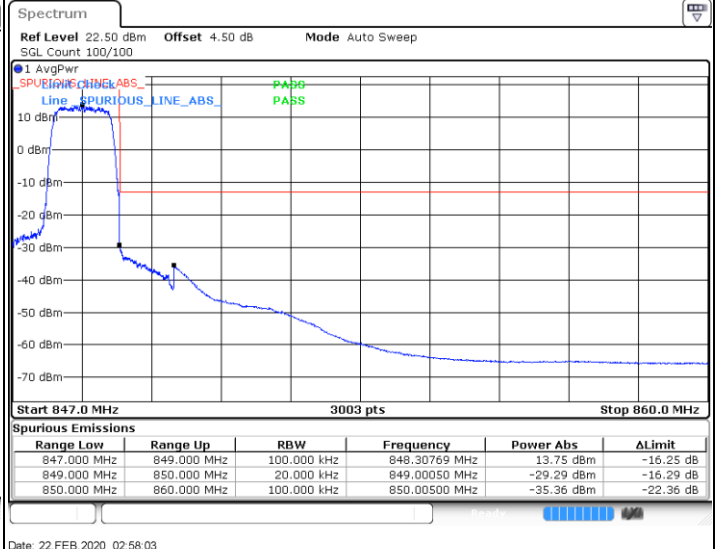
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



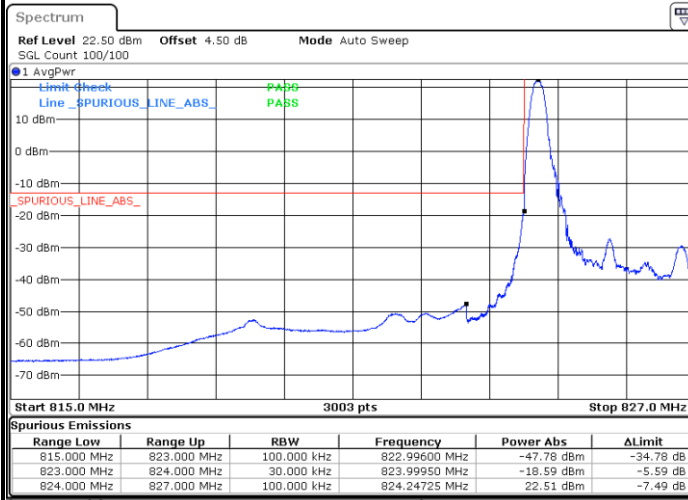
Highest Band Edge / Full RB



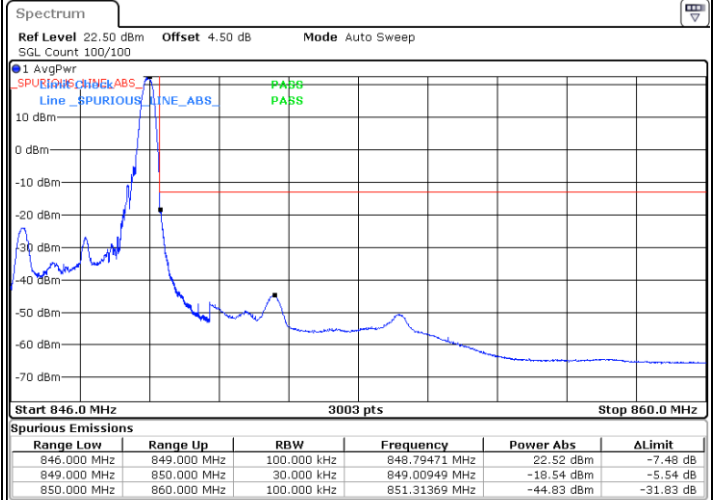


LTE Band 5 / 3MHz / QPSK

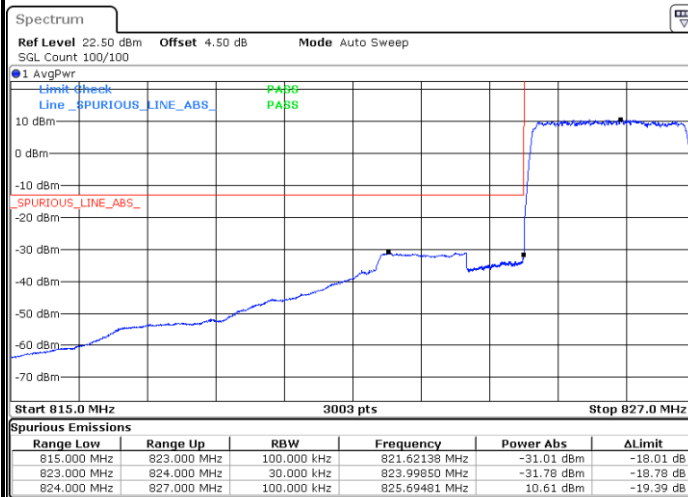
Lowest Band Edge / 1RB



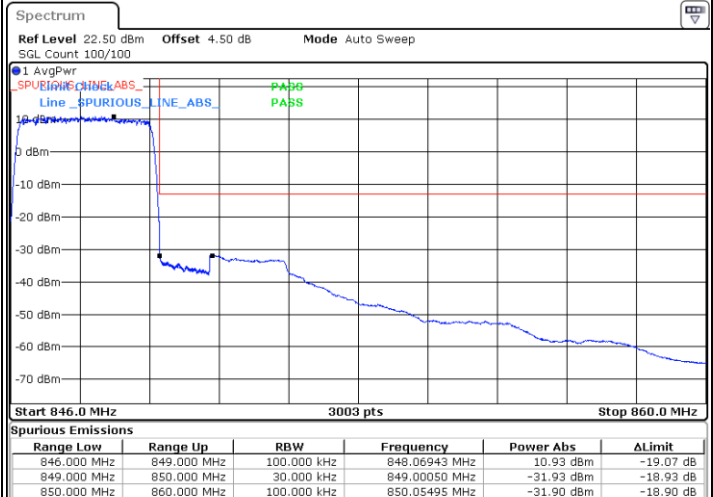
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



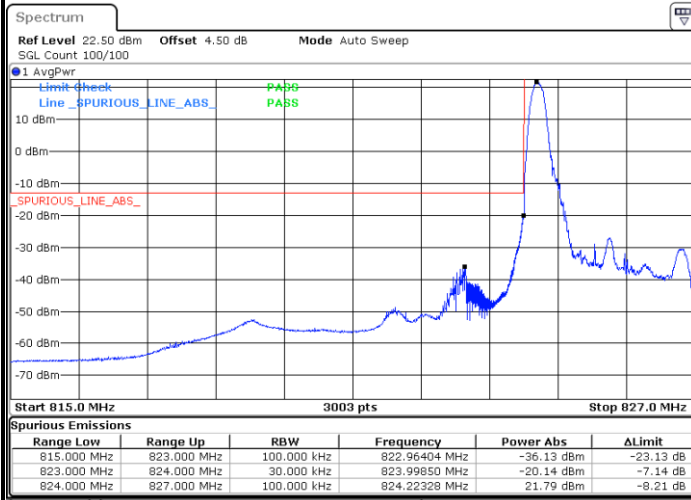
Highest Band Edge / Full RB





LTE Band 5 / 3MHz / 16QAM

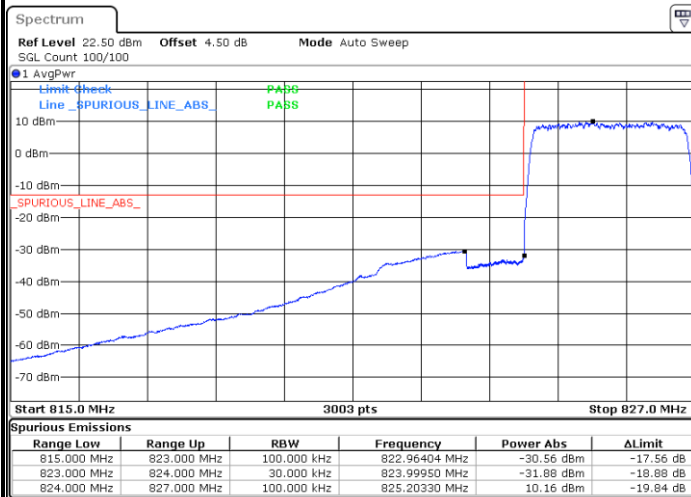
Lowest Band Edge / 1 RB



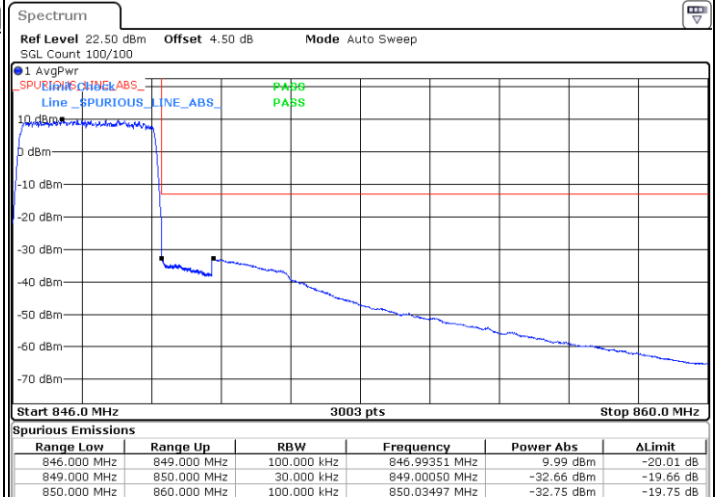
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



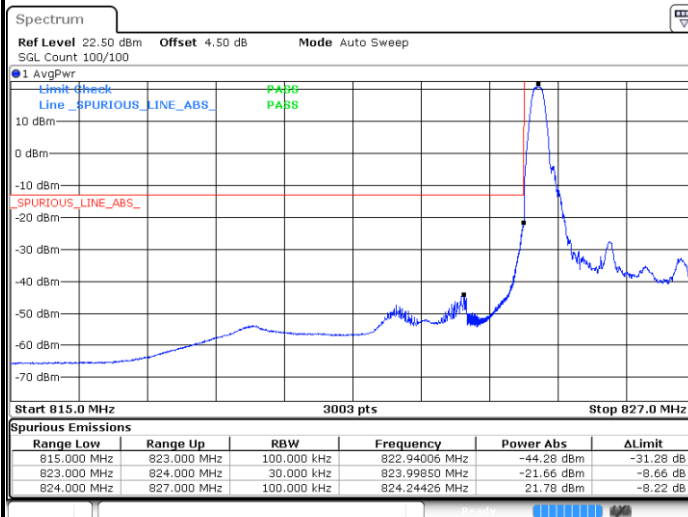
Highest Band Edge / Full RB



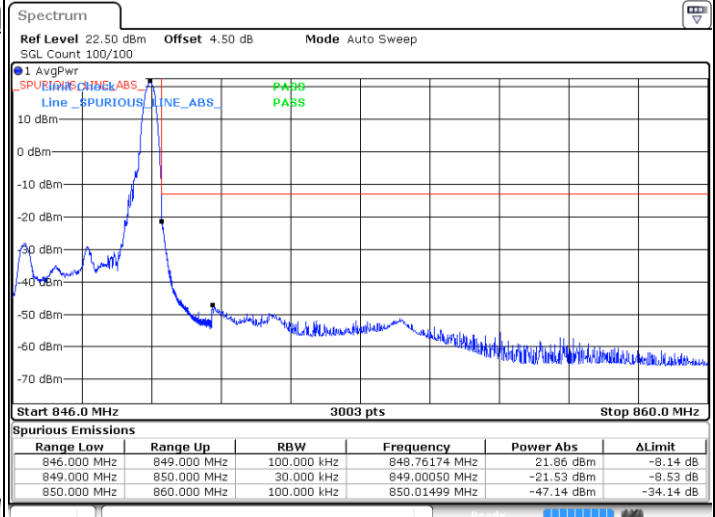


LTE Band 5 / 3MHz / 64QAM

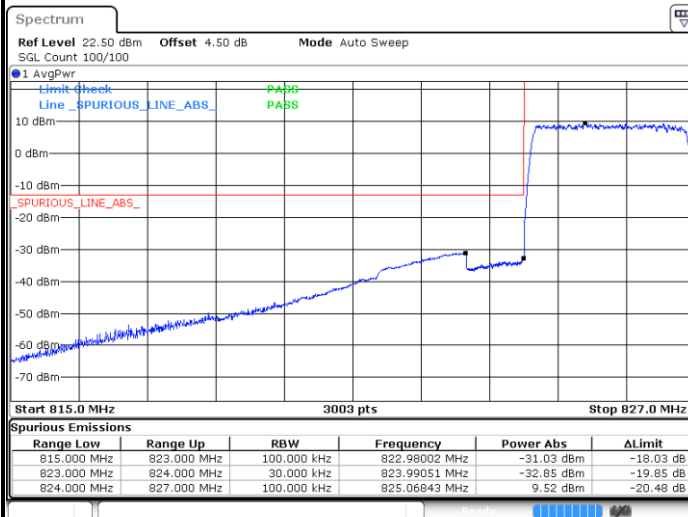
Lowest Band Edge / 1 RB



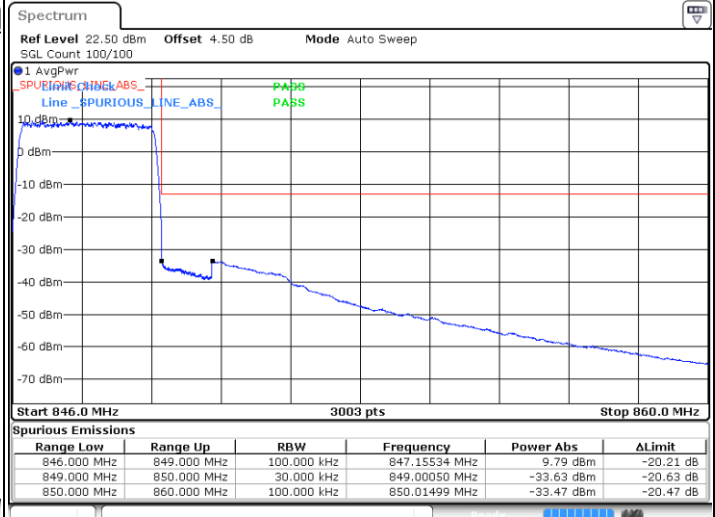
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



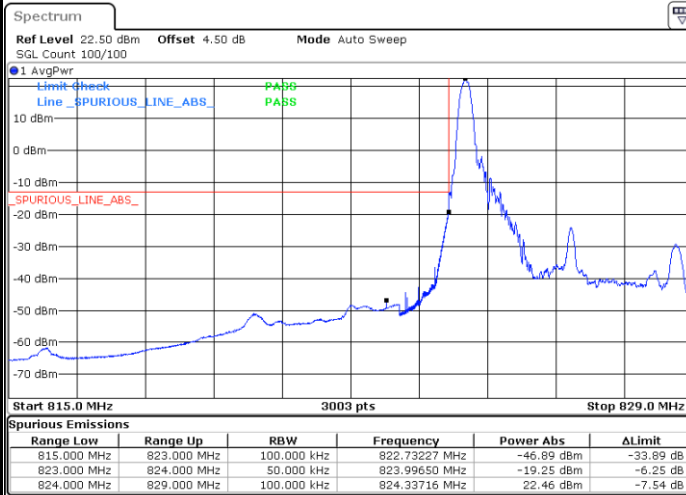
Highest Band Edge / Full RB



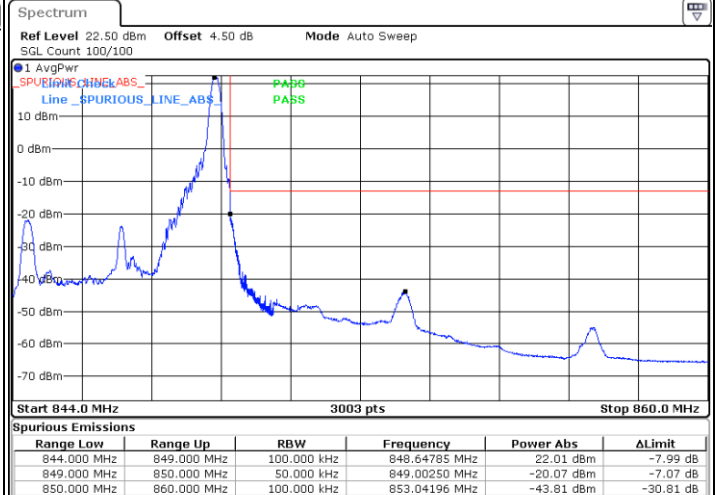


LTE Band 5 / 5MHz / QPSK

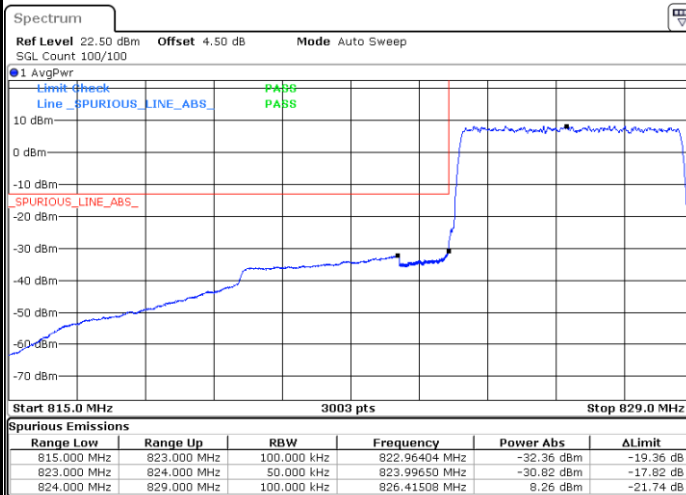
Lowest Band Edge / 1 RB



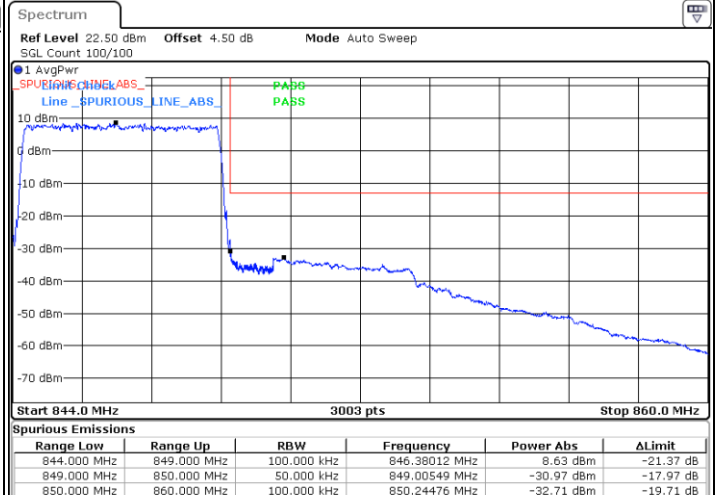
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



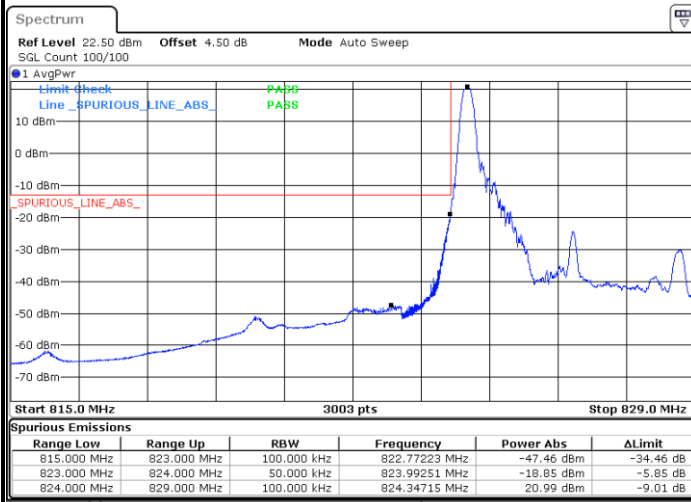
Highest Band Edge / Full RB



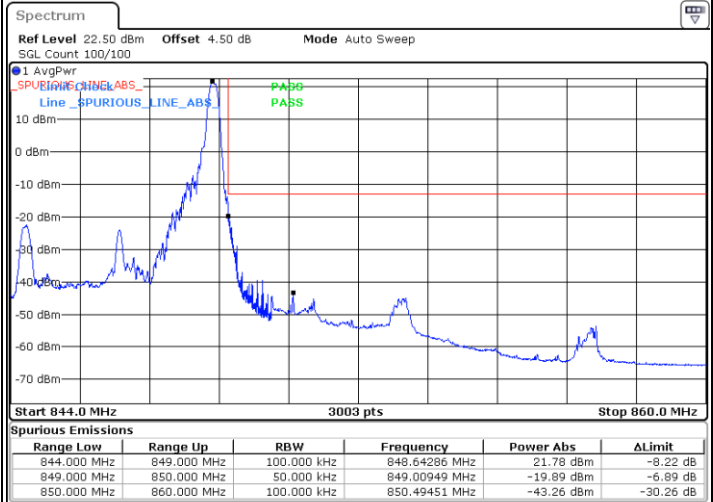


LTE Band 5 / 5MHz / 16QAM

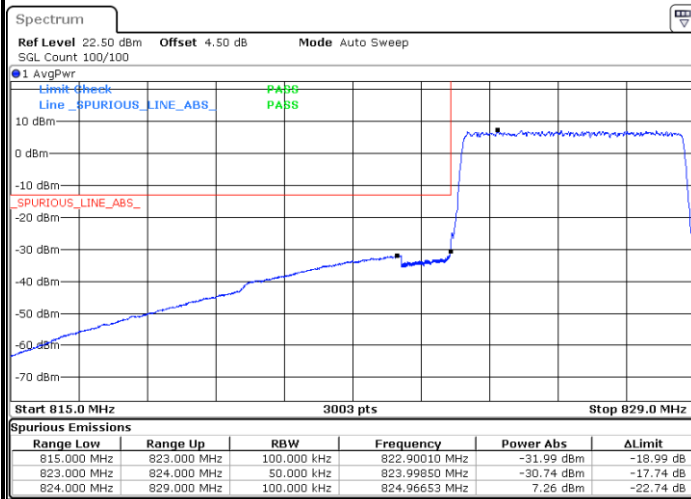
Lowest Band Edge / 1RB



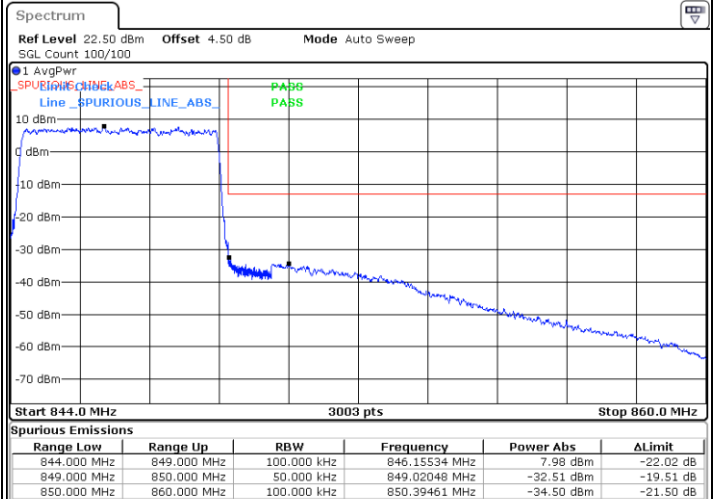
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



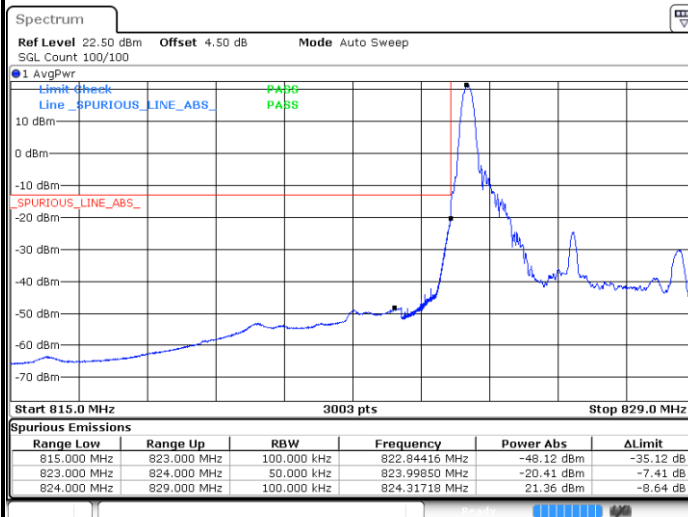
Highest Band Edge / Full RB





LTE Band 5 / 5MHz / 64QAM

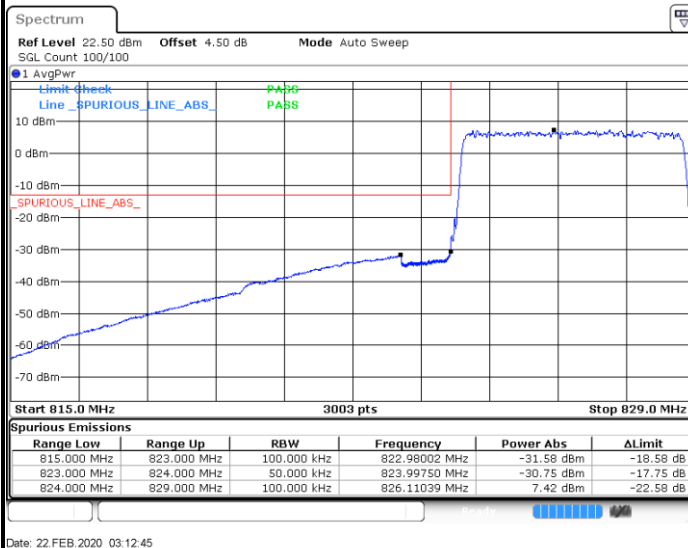
Lowest Band Edge / 1RB



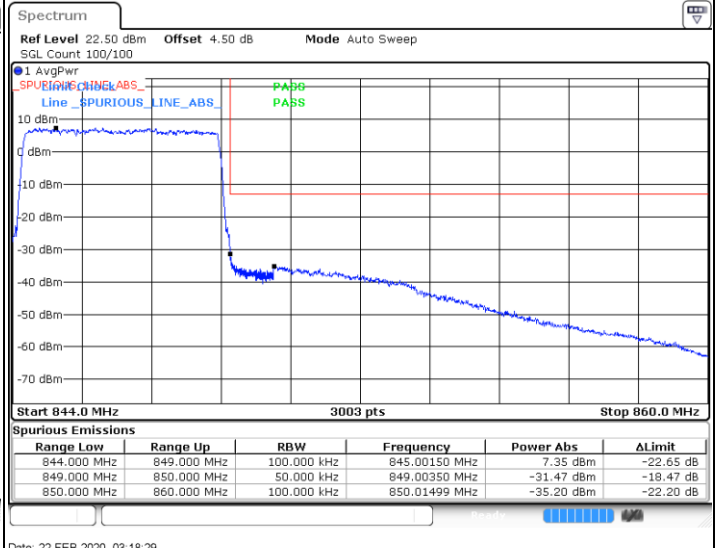
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



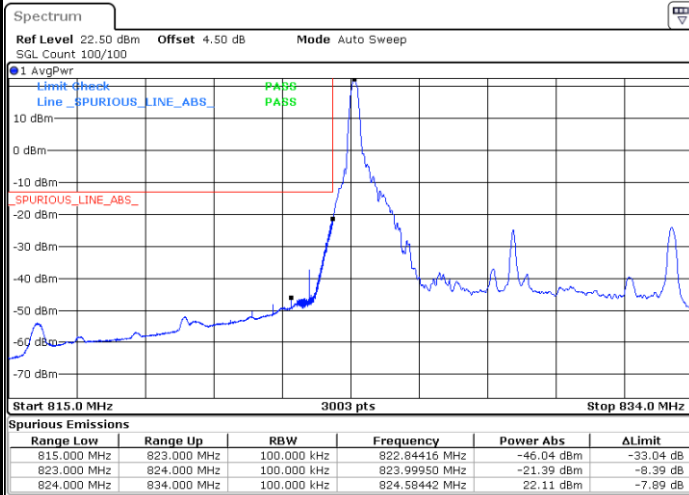
Highest Band Edge / Full RB



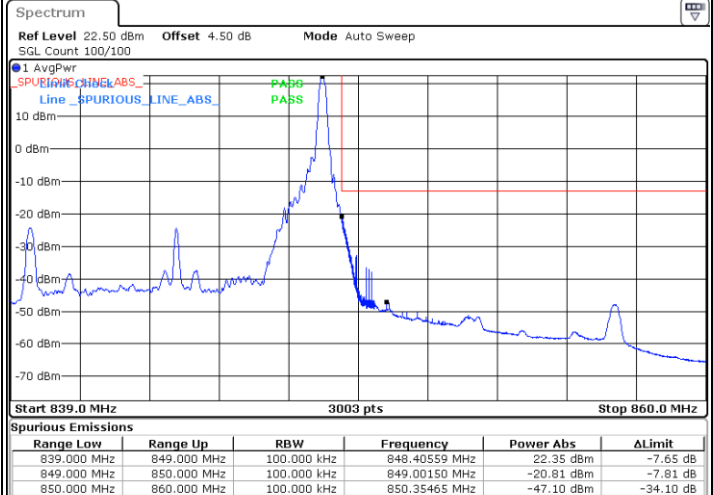


LTE Band 5 / 10MHz / QPSK

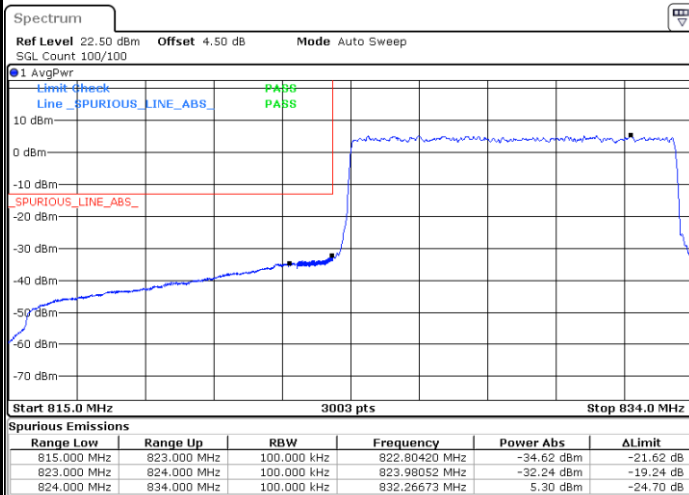
Lowest Band Edge / 1 RB



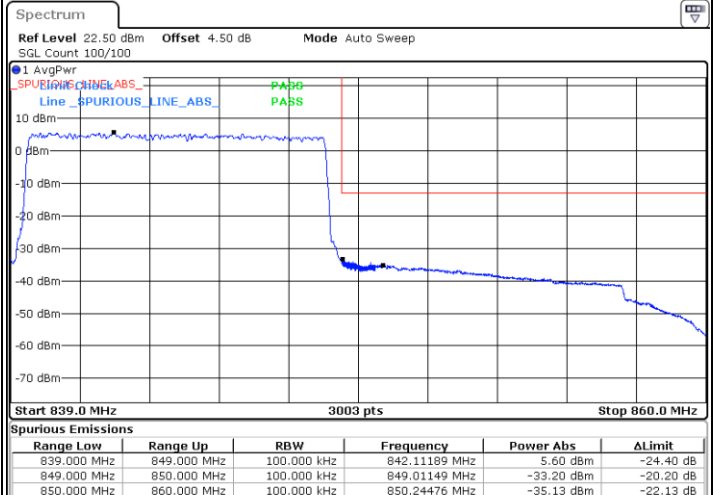
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



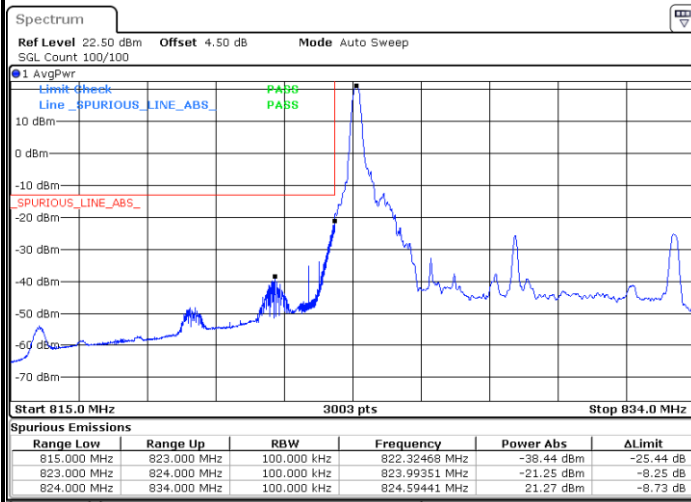
Highest Band Edge / Full RB





LTE Band 5 / 10MHz / 16QAM

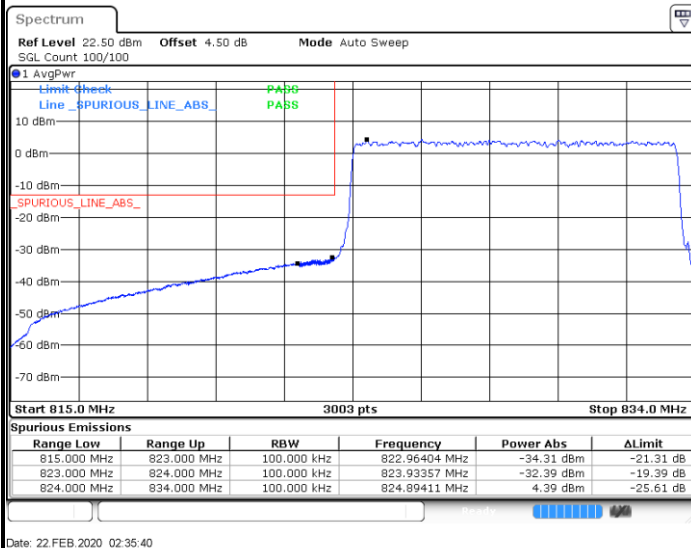
Lowest Band Edge / 1 RB



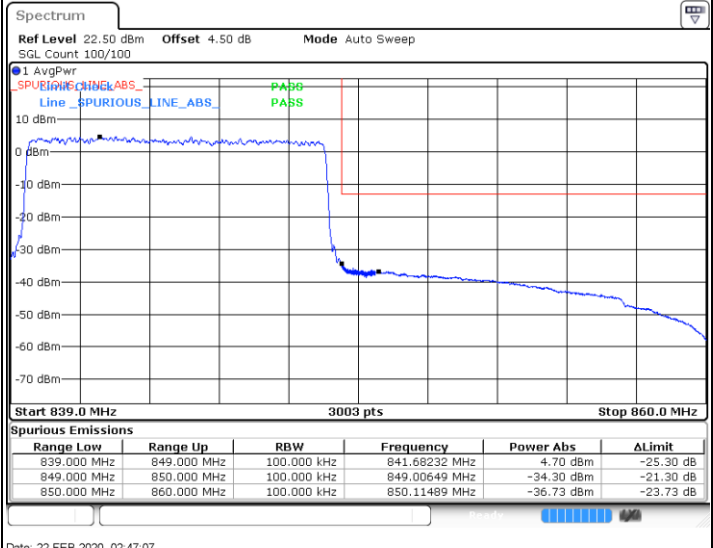
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



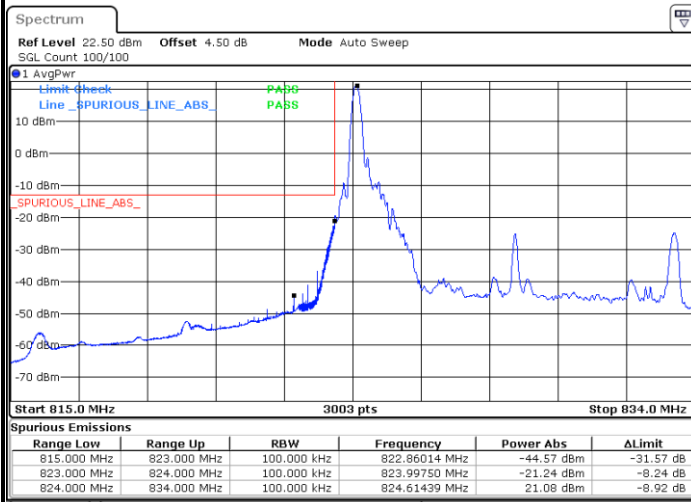
Highest Band Edge / Full RB



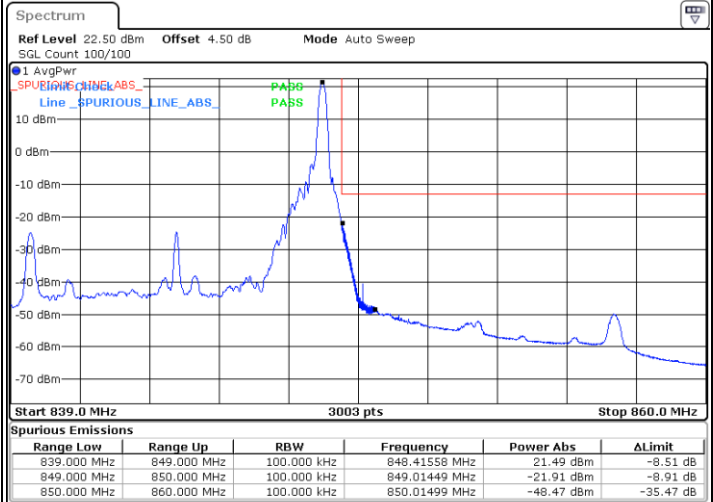


LTE Band 5 / 10MHz / 64QAM

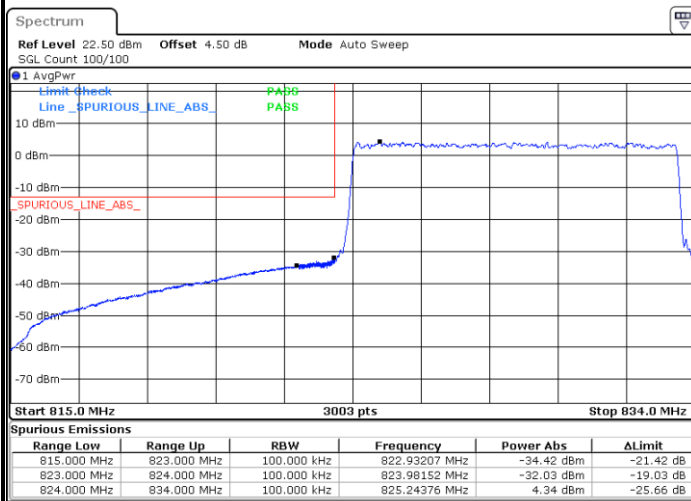
Lowest Band Edge / 1 RB



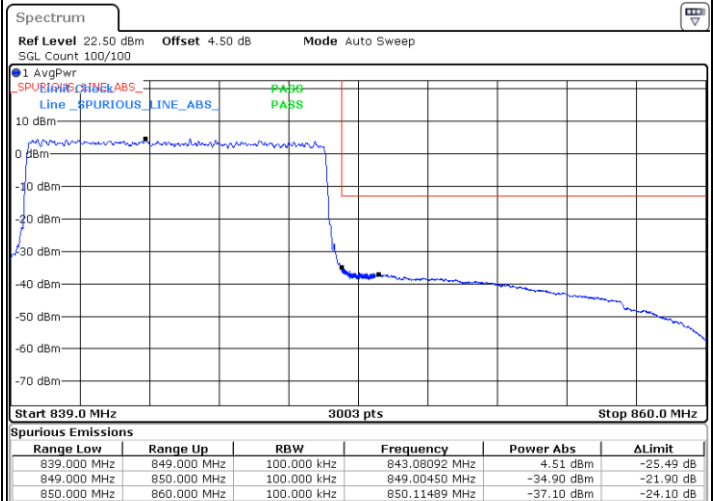
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

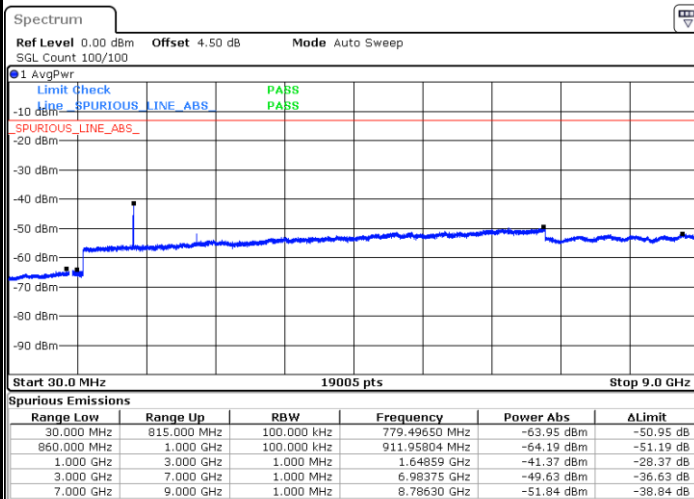




Conducted Spurious Emission

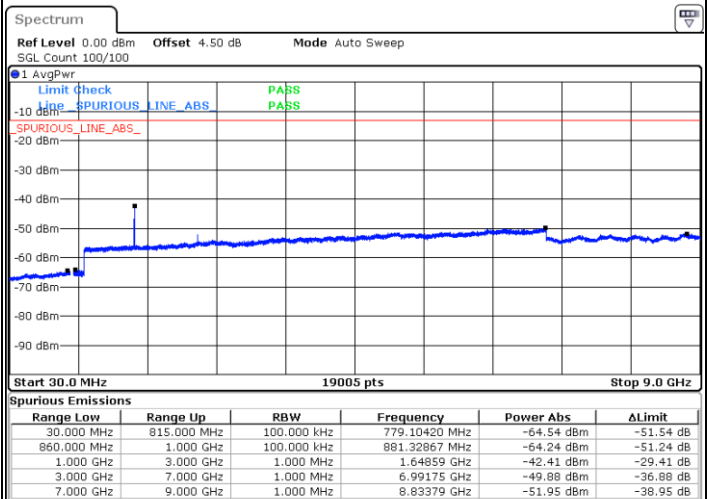
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



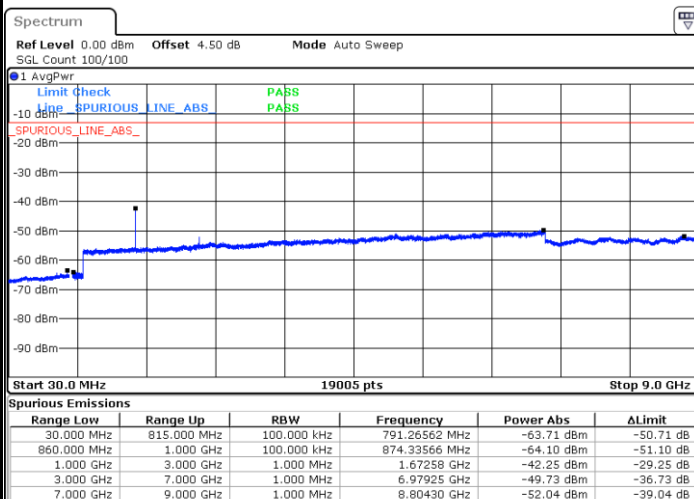
Date: 22 FEB 2020 01:02:11

Lowest Channel / 16QAM



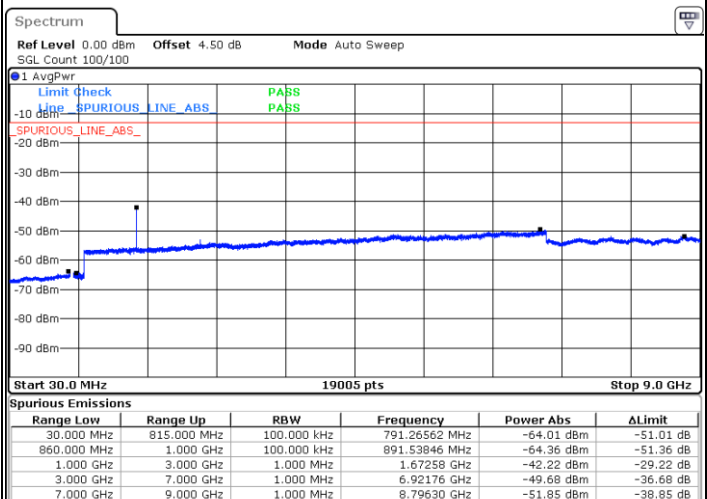
Date: 22 FEB 2020 01:03:05

Middle Channel / QPSK



Date: 22 FEB 2020 01:04:40

Middle Channel / 16QAM

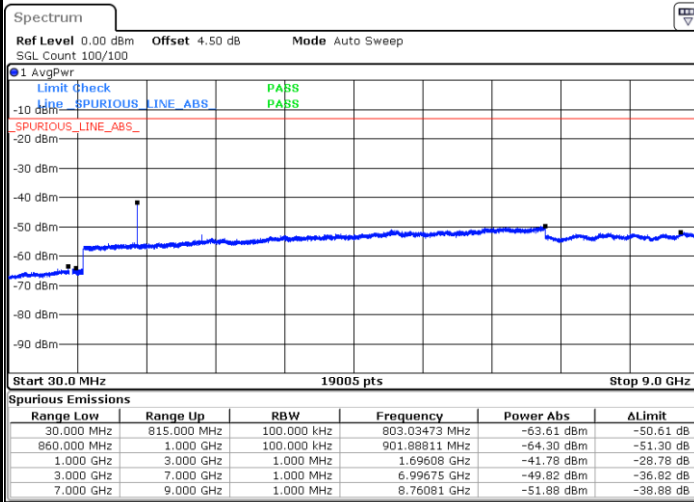


Date: 22 FEB 2020 01:05:34



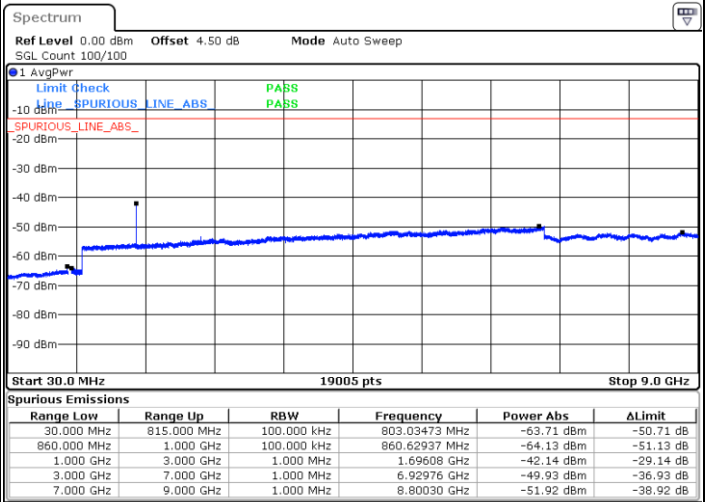
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 22 FEB 2020 01:13:38

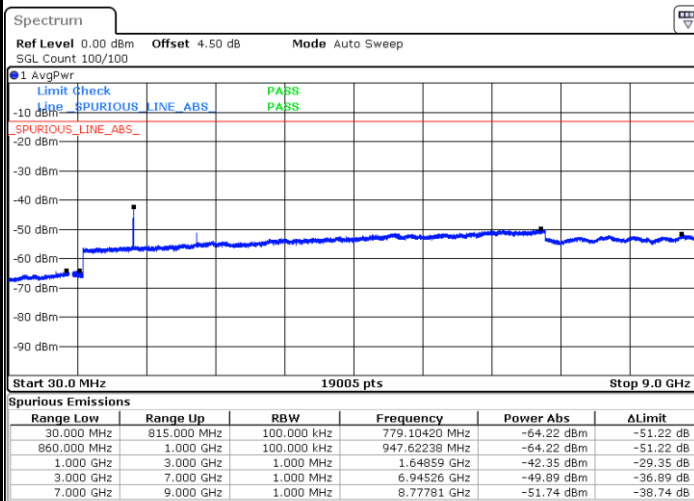
Highest Channel / 16QAM



Date: 22 FEB 2020 01:14:32

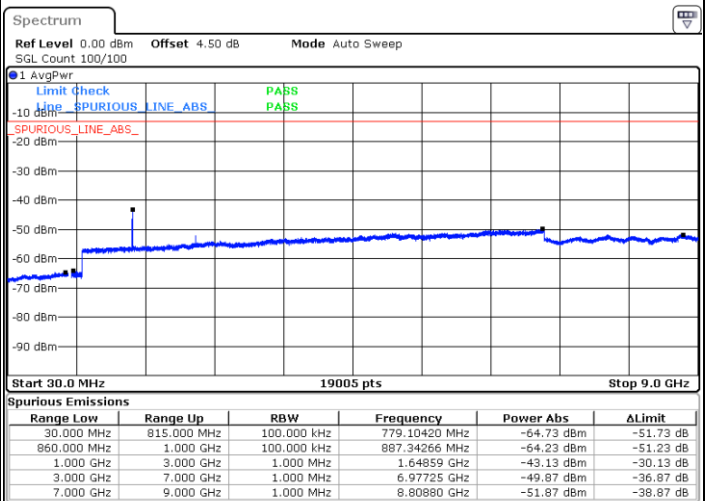
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 22 FEB 2020 01:22:37

Lowest Channel / 16QAM

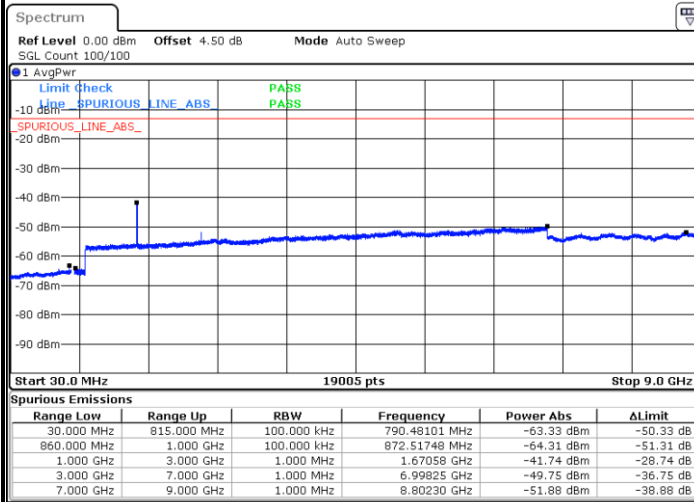


Date: 22 FEB 2020 01:23:31



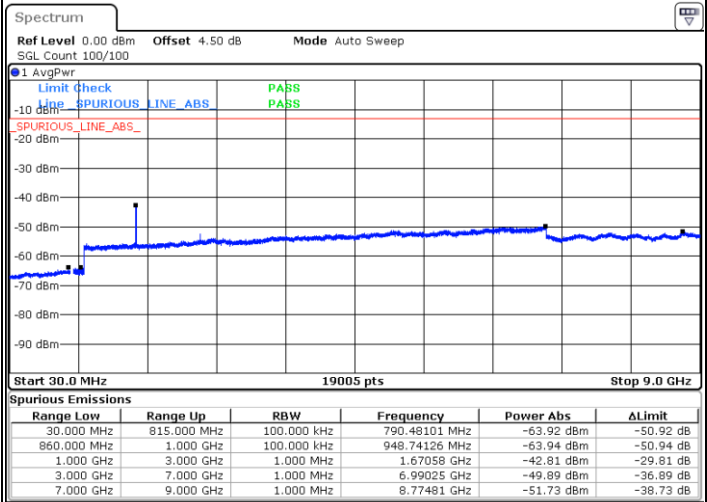
LTE Band 5 / 3MHz

Middle Channel / QPSK



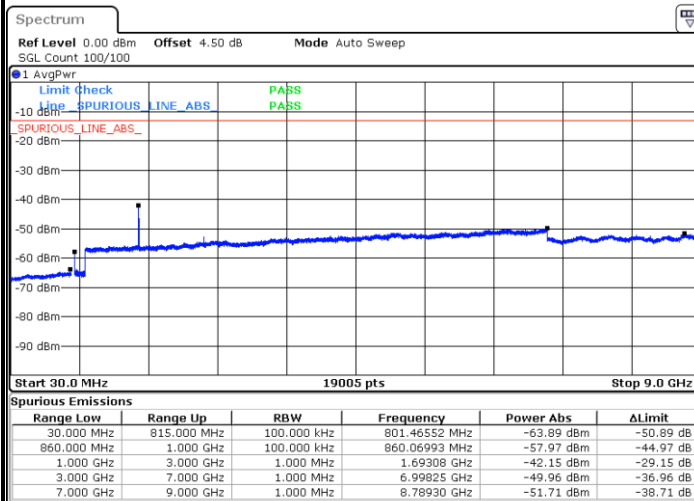
Date: 22 FEB 2020 01:25:06

Middle Channel / 16QAM



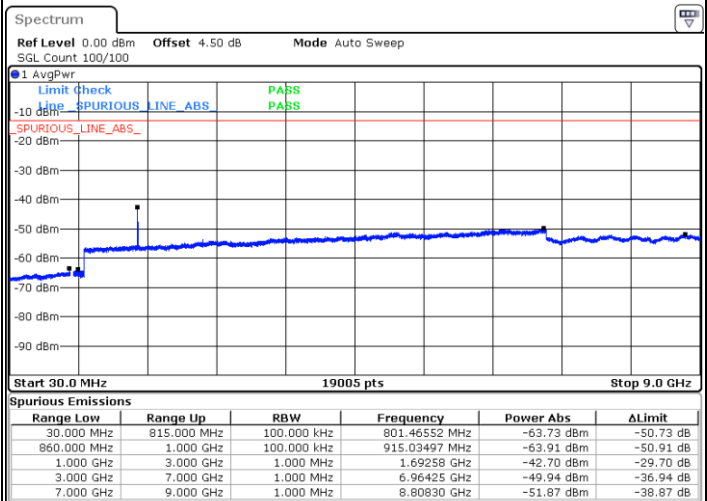
Date: 22 FEB 2020 01:26:00

Highest Channel / QPSK



Date: 22 FEB 2020 01:34:04

Highest Channel / 16QAM

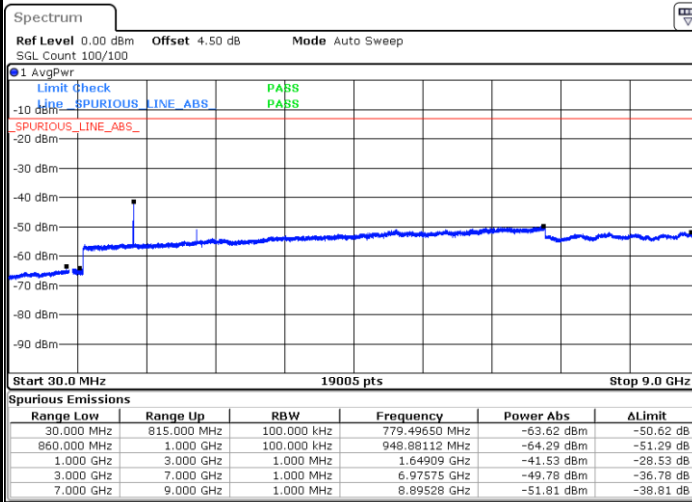


Date: 22 FEB 2020 01:34:58



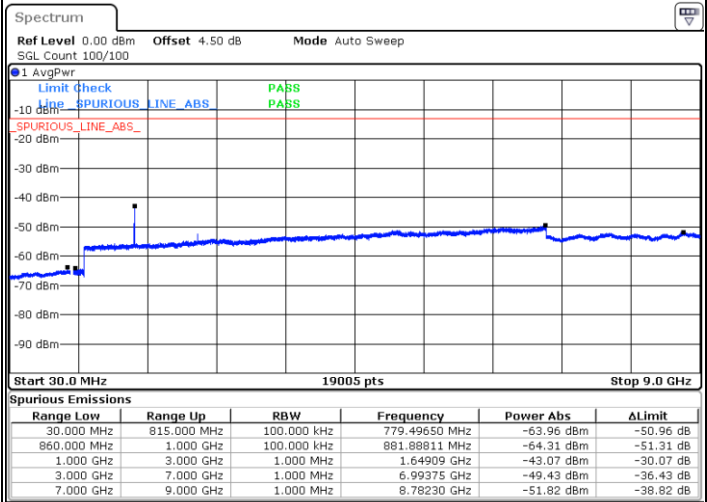
LTE Band 5 / 5MHz

Lowest Channel / QPSK



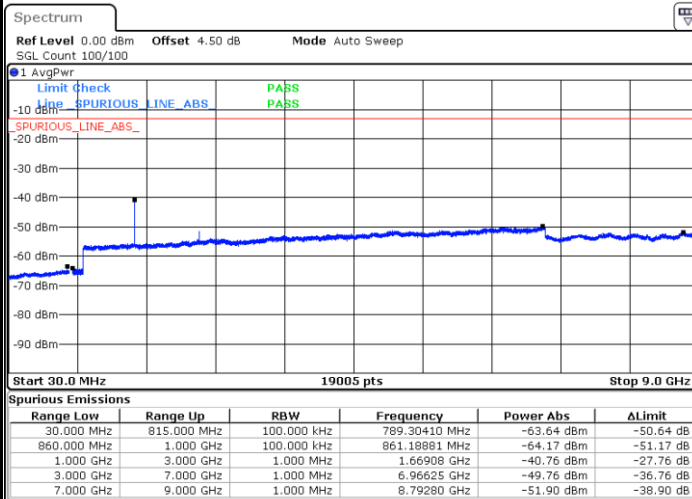
Date: 22 FEB 2020 00:52:24

Lowest Channel / 16QAM



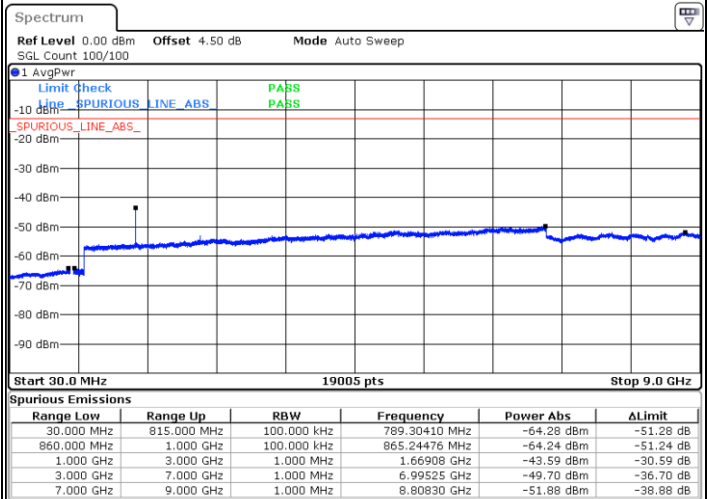
Date: 22 FEB 2020 01:43:03

Middle Channel / QPSK



Date: 22 FEB 2020 01:44:37

Middle Channel / 16QAM

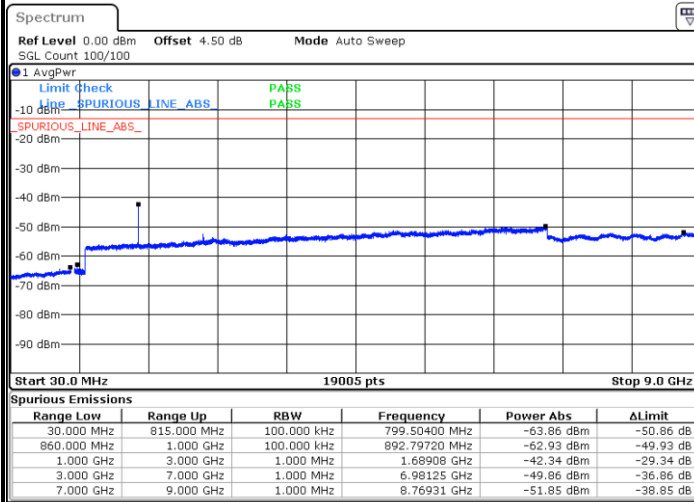


Date: 22 FEB 2020 01:45:32



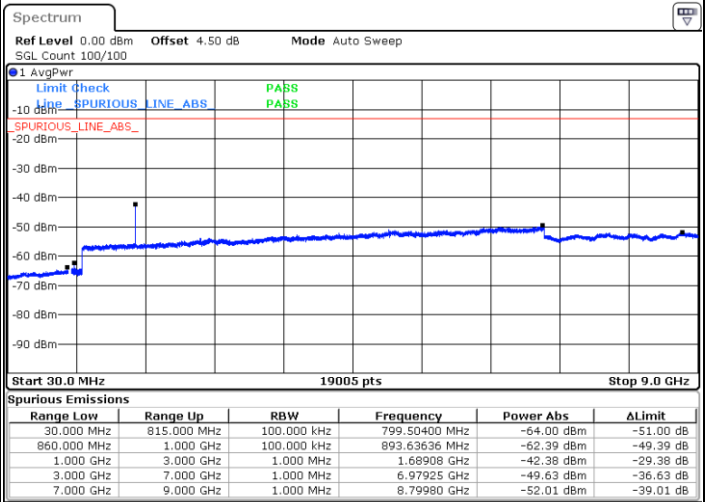
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 22 FEB 2020 02:27:34

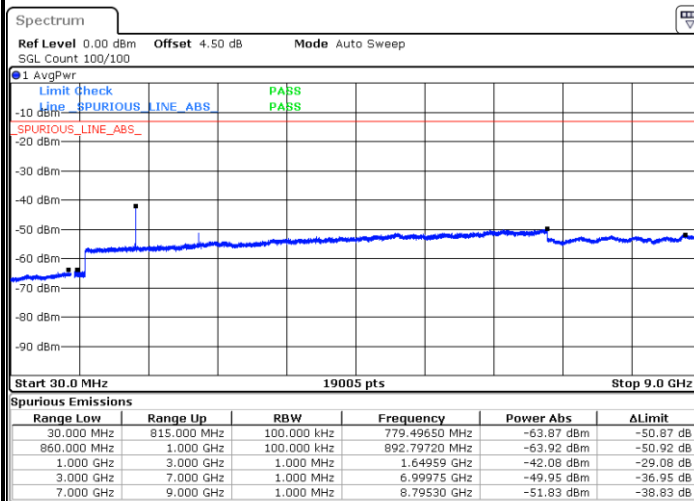
Highest Channel / 16QAM



Date: 22 FEB 2020 02:28:29

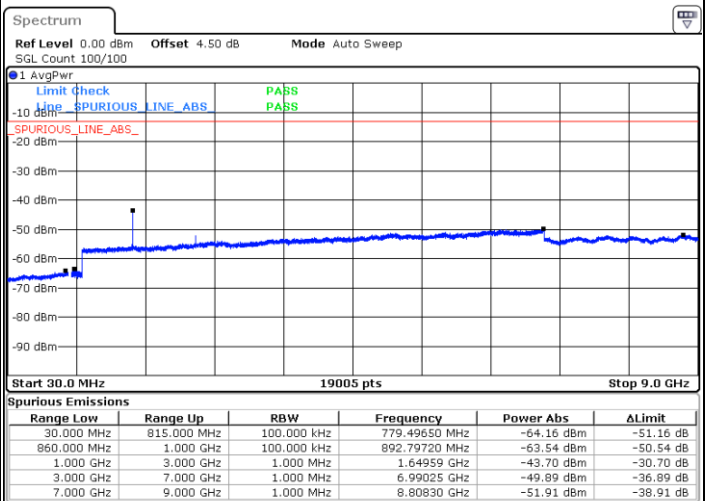
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 22 FEB 2020 02:36:33

Lowest Channel / 16QAM

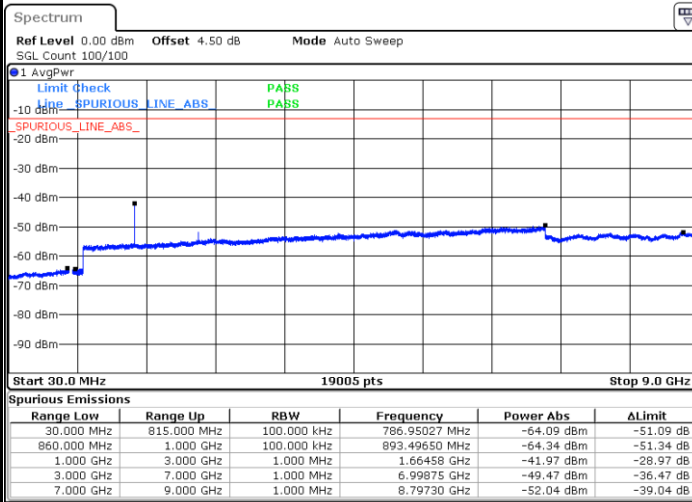


Date: 22 FEB 2020 02:37:27



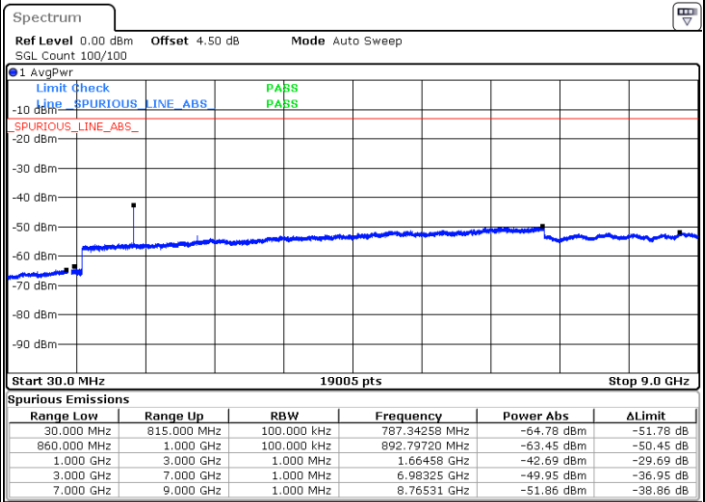
LTE Band 5 / 10MHz

Middle Channel / QPSK



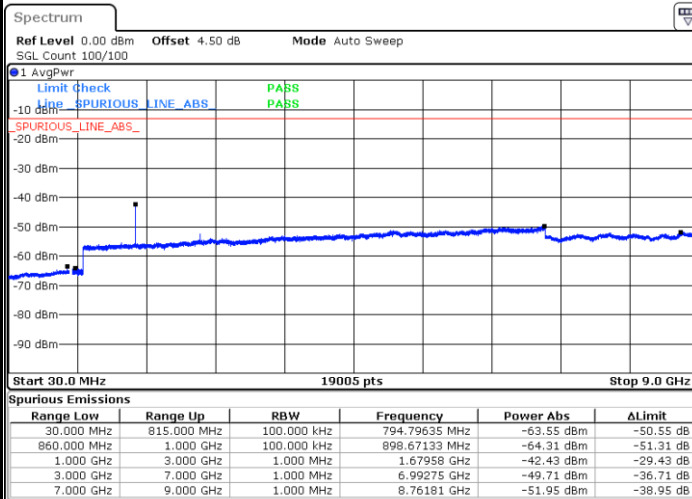
Date: 22 FEB 2020 02:39:02

Middle Channel / 16QAM



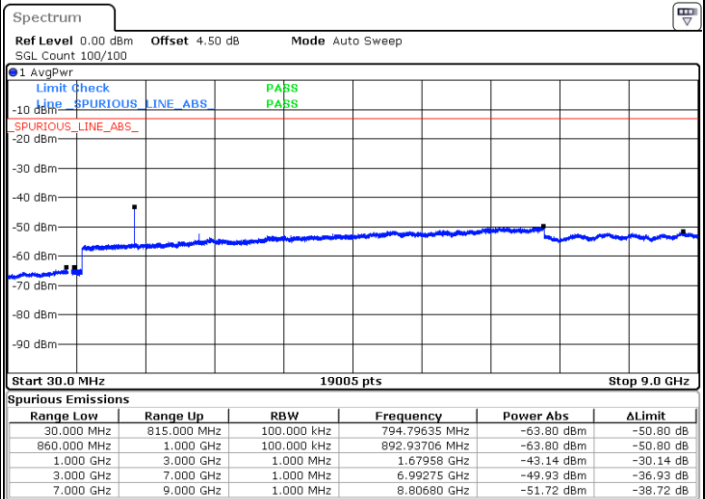
Date: 22 FEB 2020 02:39:56

Highest Channel / QPSK



Date: 22 FEB 2020 02:48:01

Highest Channel / 16QAM

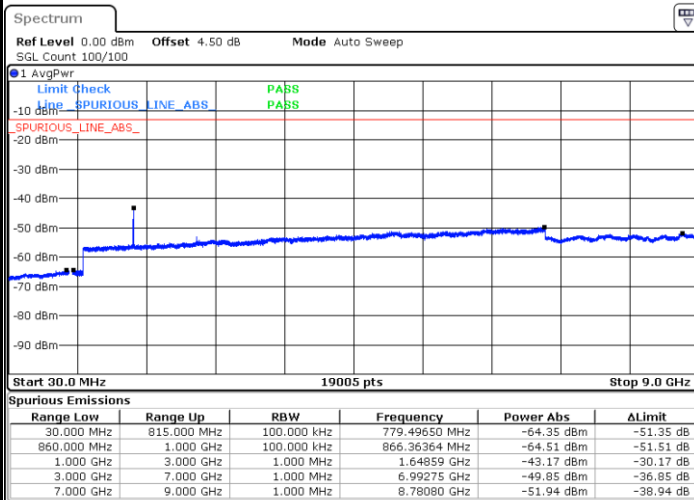


Date: 22 FEB 2020 02:48:55



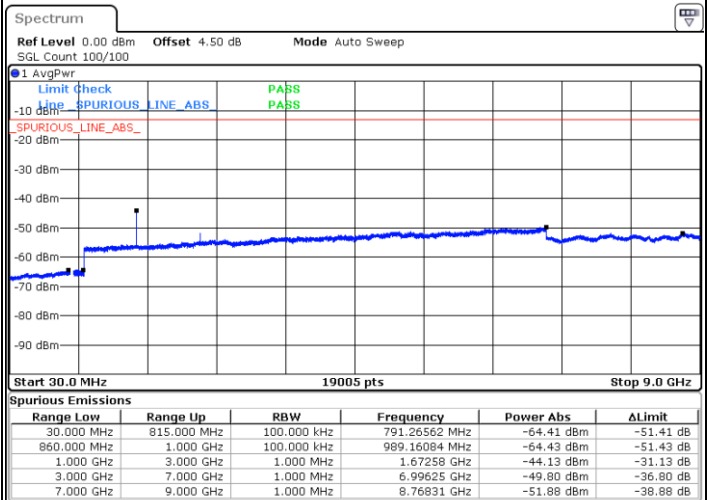
LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM



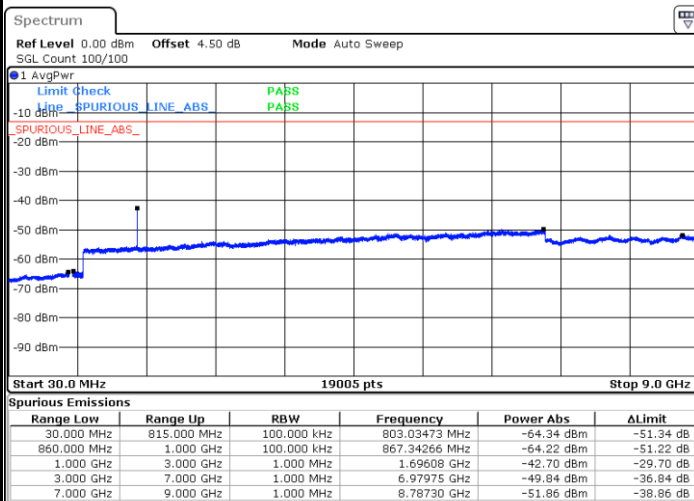
Date: 22 FEB 2020 02:54:50

Middle Channel / 64QAM



Date: 22 FEB 2020 02:55:44

Highest Channel / 64QAM

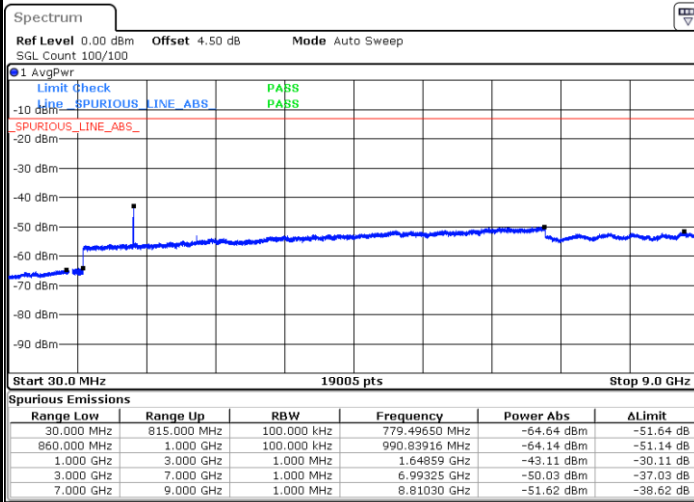


Date: 22 FEB 2020 03:00:33



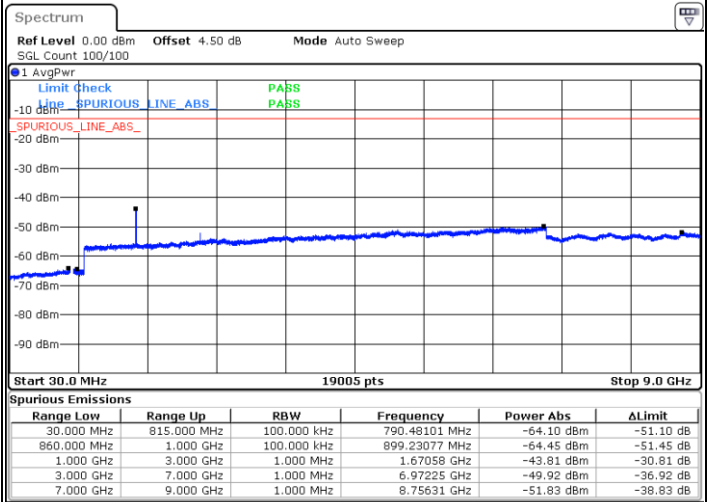
LTE Band 5 / 3MHz

Lowest Channel / 64QAM



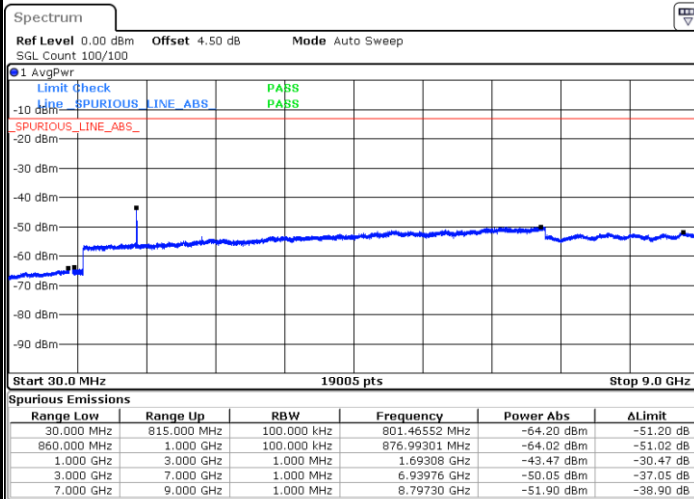
Date: 22 FEB 2020 03:05:03

Middle Channel / 64QAM



Date: 22 FEB 2020 03:05:57

Highest Channel / 64QAM

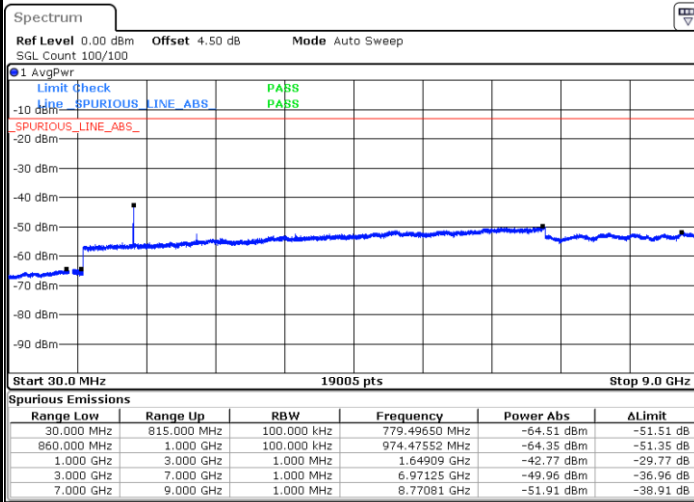


Date: 22 FEB 2020 03:10:46



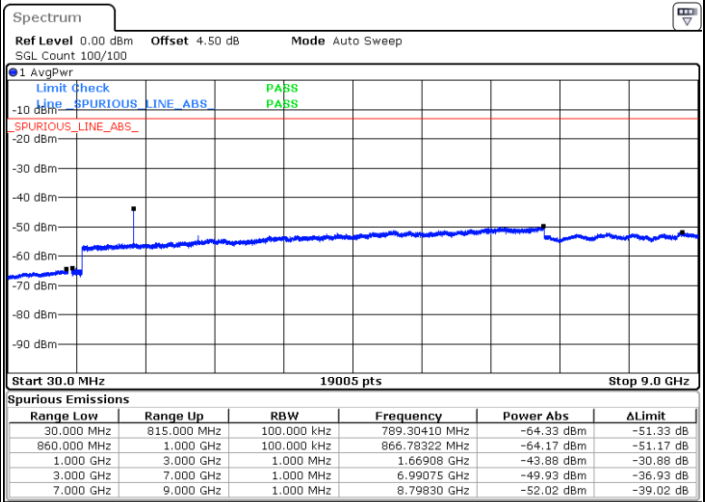
LTE Band 5 / 5MHz

Lowest Channel / 64QAM



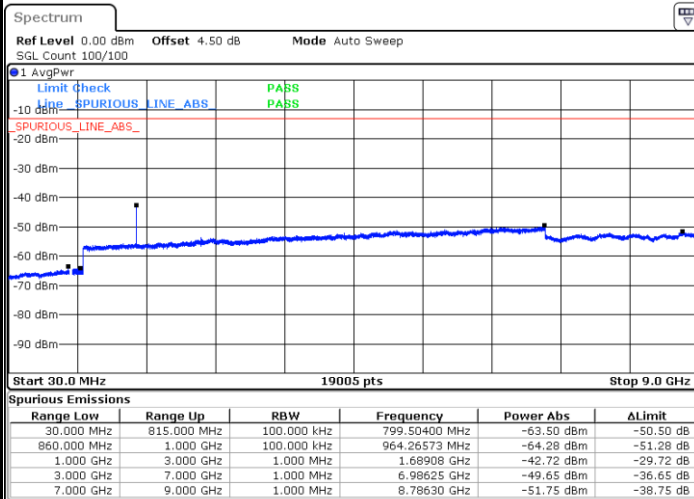
Date: 22 FEB 2020 03:15:16

Middle Channel / 64QAM



Date: 22 FEB 2020 03:16:10

Highest Channel / 64QAM

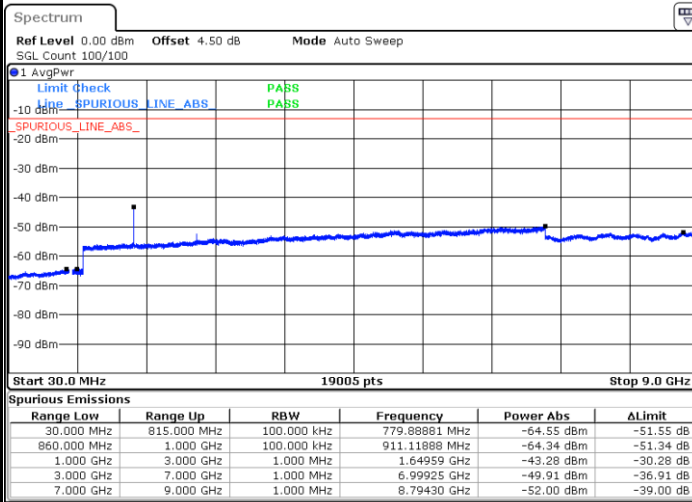


Date: 22 FEB 2020 03:20:59



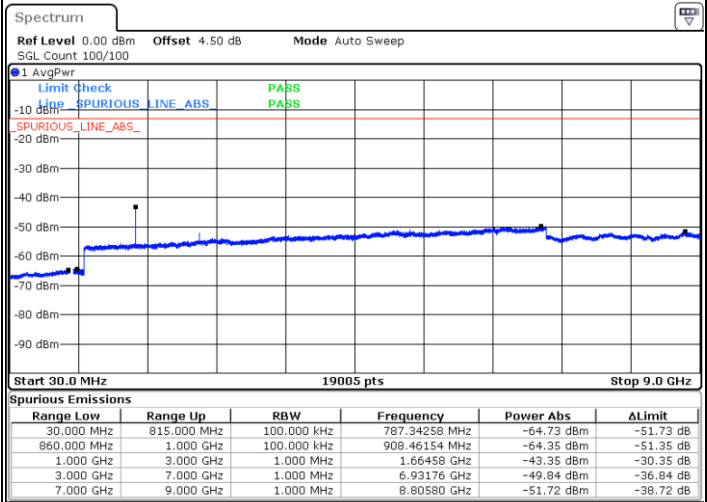
LTE Band 5 / 10MHz

Lowest Channel / 64QAM



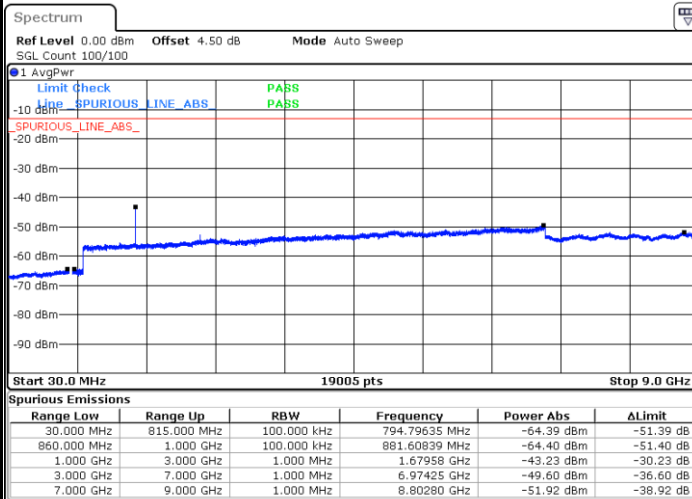
Date: 22 FEB 2020 03:25:29

Middle Channel / 64QAM



Date: 22 FEB 2020 03:26:23

Highest Channel / 64QAM



Date: 22 FEB 2020 03:31:12

**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	0.0005	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0053	
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	0.0051	
20	Normal Voltage	0.0060	
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

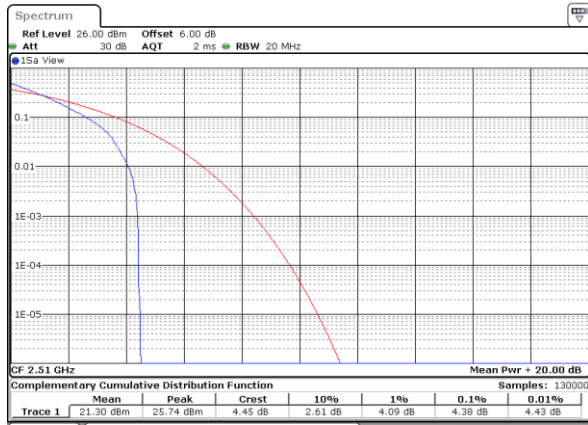
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.38	5.19	5.33	6.12	PASS
Middle CH	3.86	4.46	4.78	5.36	
Highest CH	4.29	5.16	5.36	6.03	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	5.07	6.06	PASS		
Middle CH	4.58	5.36			
Highest CH	4.93	6.00			

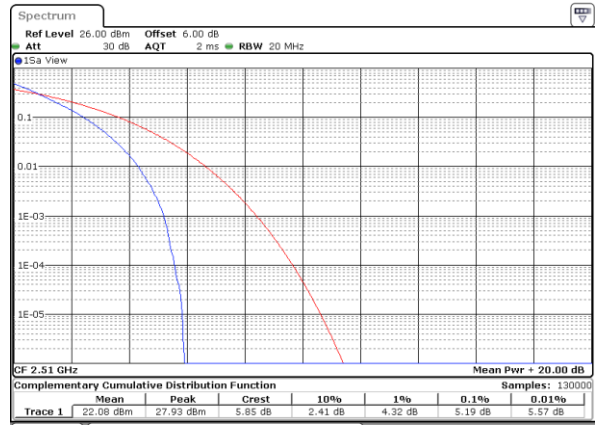


LTE Band 7 / 20MHz / QPSK

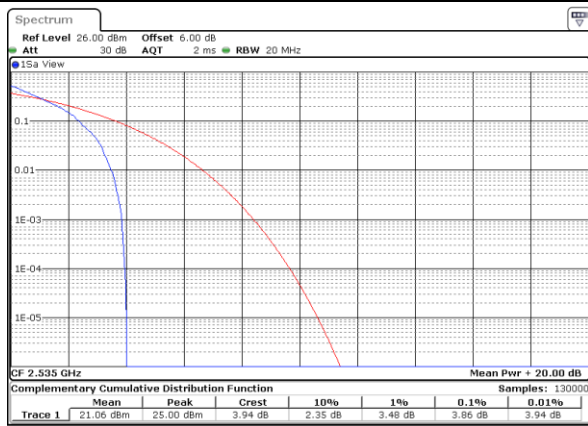
Lowest Channel / 1RB



Lowest Channel / Full RB



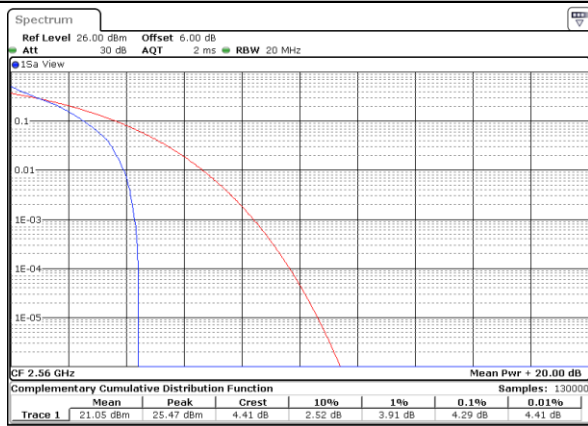
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



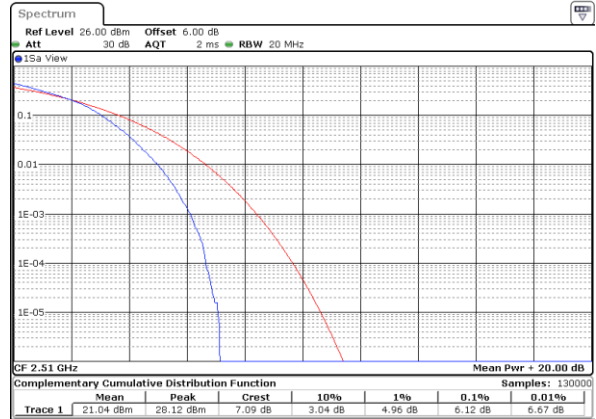


LTE Band 7 / 20MHz / 16QAM

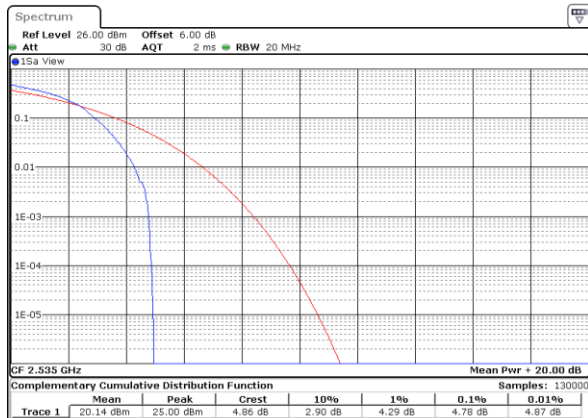
Lowest Channel / 1RB



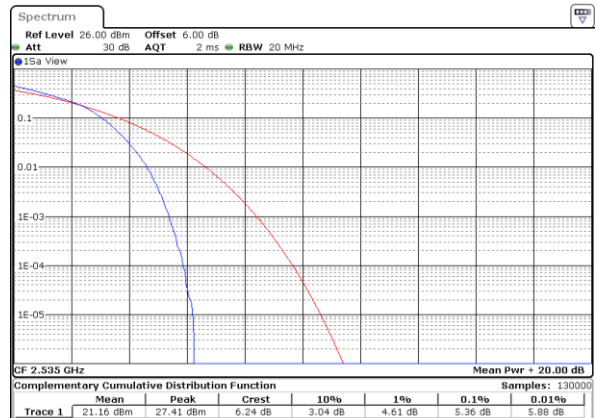
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB

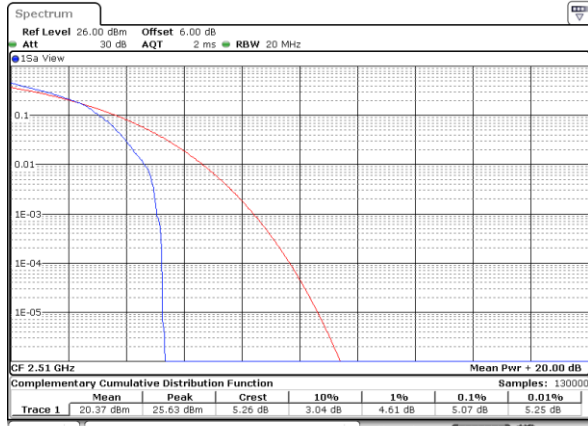


Highest Channel / 1RB

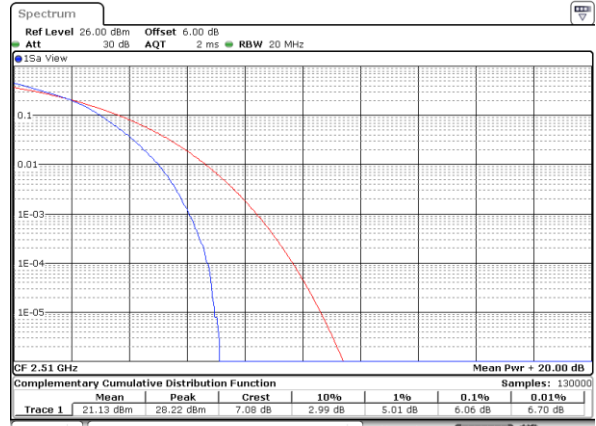


Highest Channel / Full RB

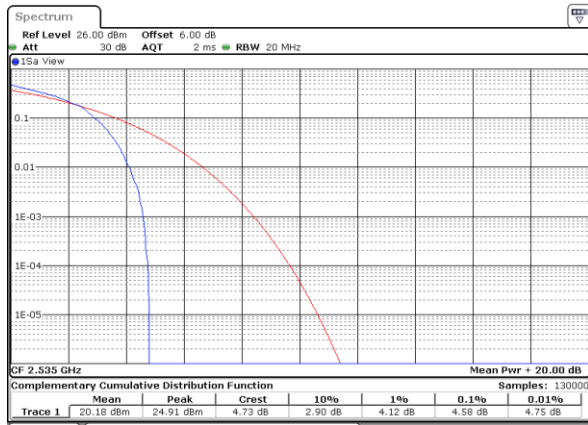


LTE Band 7 / 20MHz / 64QAM
Lowest Channel / 1RB


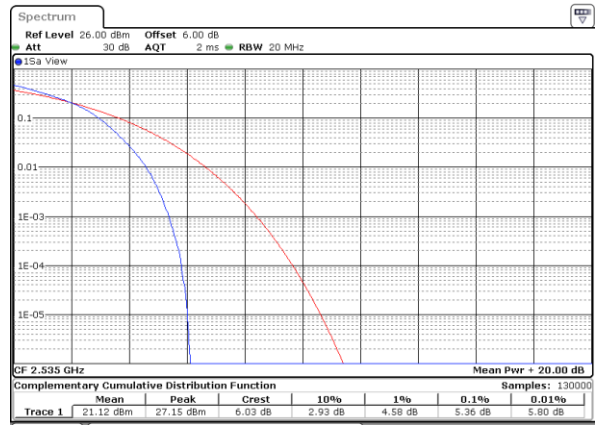
Date: 22 FEB 2020 00:47:08

Lowest Channel / Full RB


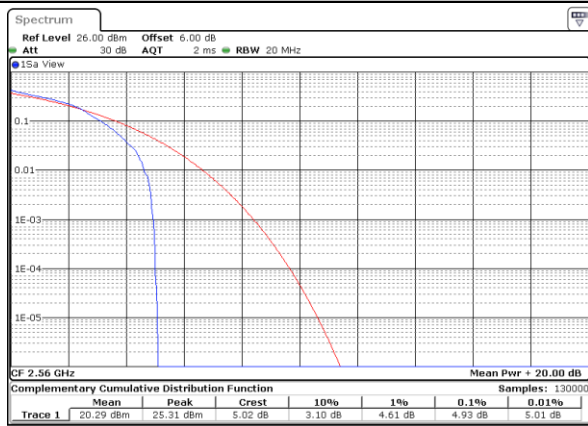
Date: 22 FEB 2020 00:47:18

Middle Channel / 1RB


Date: 22 FEB 2020 00:47:39

Middle Channel / Full RB


Date: 22 FEB 2020 00:47:29

Highest Channel / 1RB


Date: 22 FEB 2020 00:47:49

Highest Channel / Full RB


Date: 22 FEB 2020 00:48:01



26dB Bandwidth

Mode	LTE Band 7											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.905	4.865	9.71	9.71	14.206	14.386	20.14	20.22	4.895	9.69	14.206	20.06
Middle CH	4.815	4.895	9.79	9.71	14.416	14.416	20.18	20.26	4.775	9.75	14.236	20.18
Highest CH	4.835	4.785	9.65	9.81	14.535	14.416	20.22	20.18	4.835	9.73	14.715	20.34