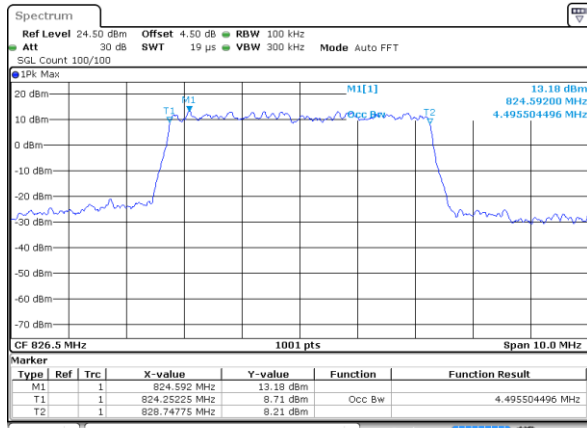


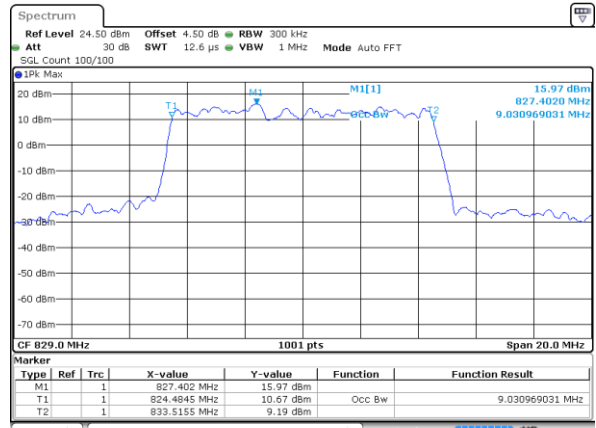


LTE Band 5

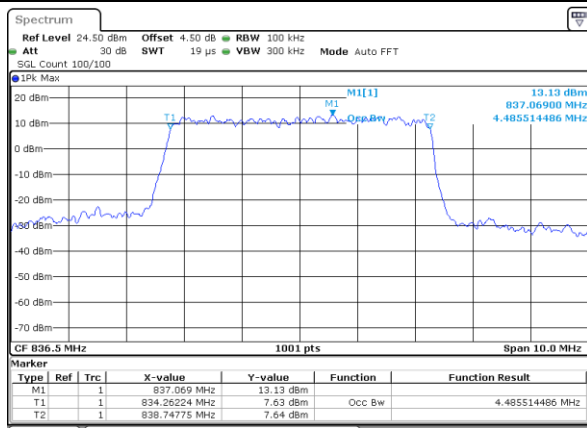
Lowest Channel / 5MHz / 64QAM



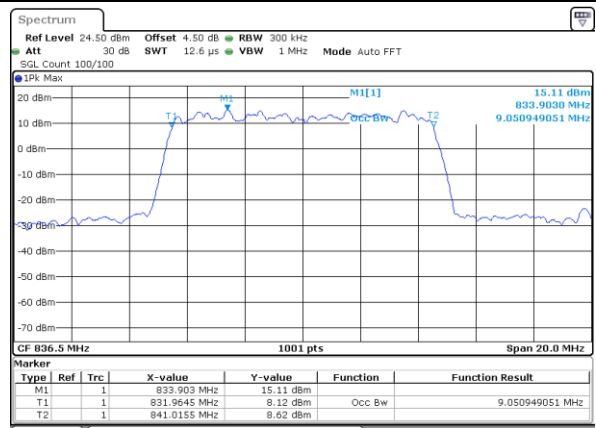
Lowest Channel / 10MHz / 64QAM



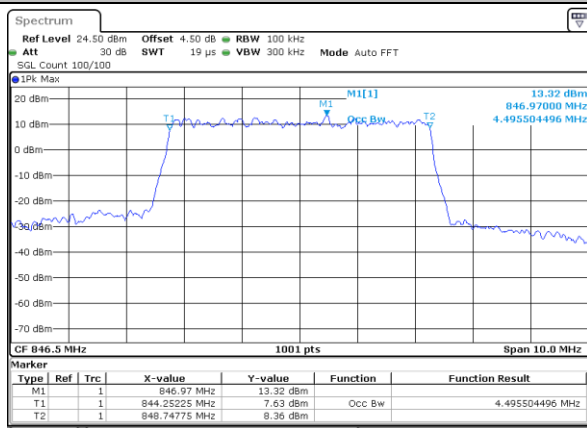
Middle Channel / 5MHz / 64QAM



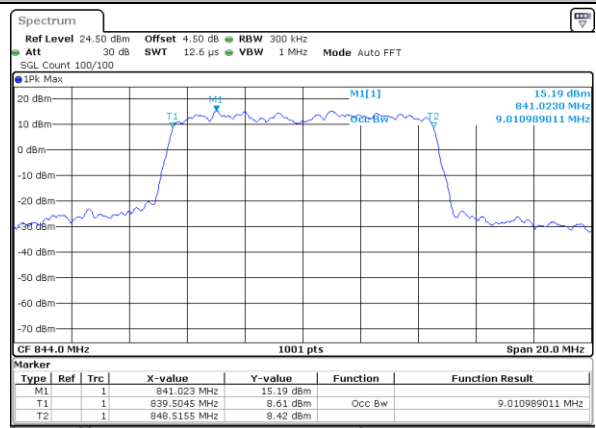
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

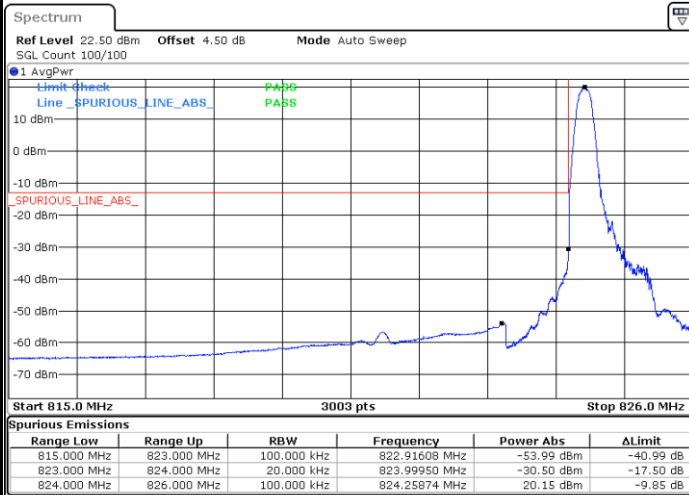




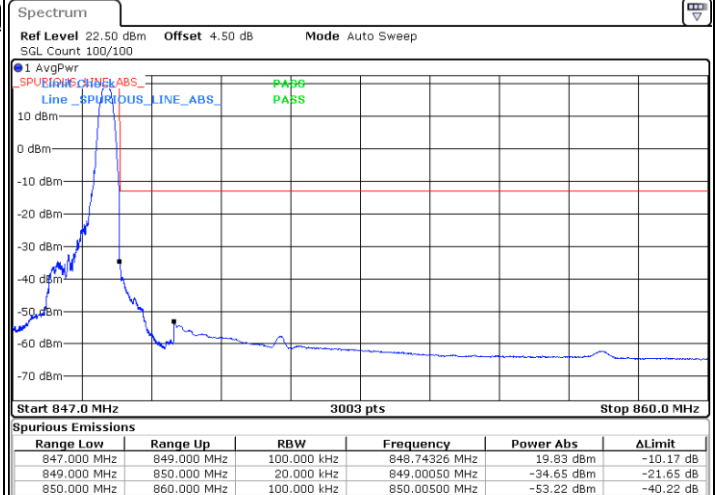
Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

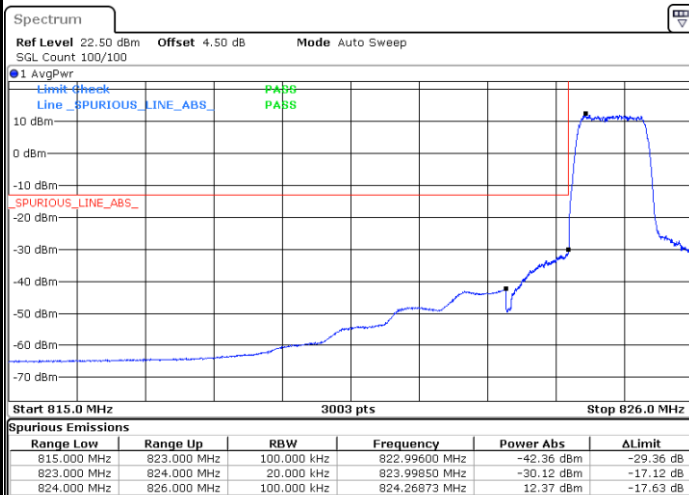
Lowest Band Edge / 1RB



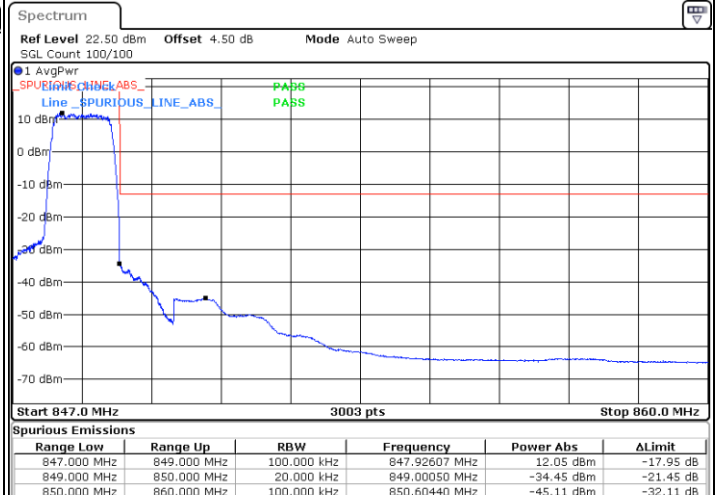
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



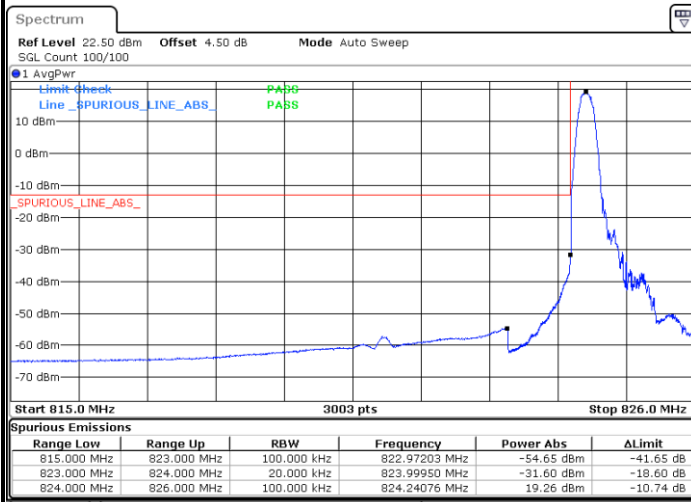
Highest Band Edge / Full RB



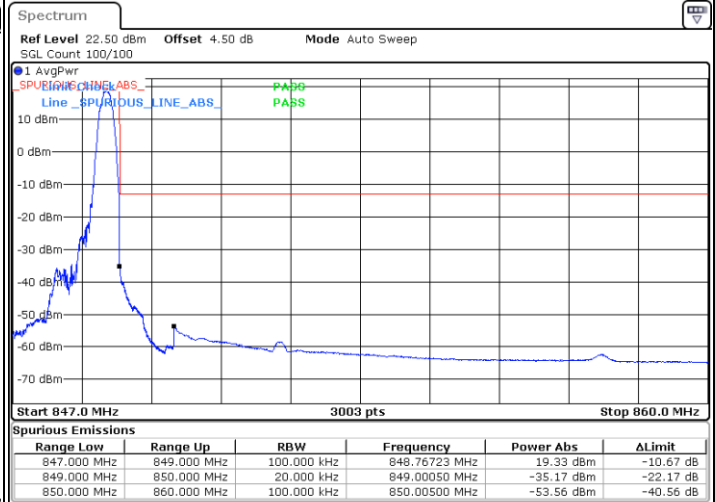


LTE Band 5 / 1.4MHz / 16QAM

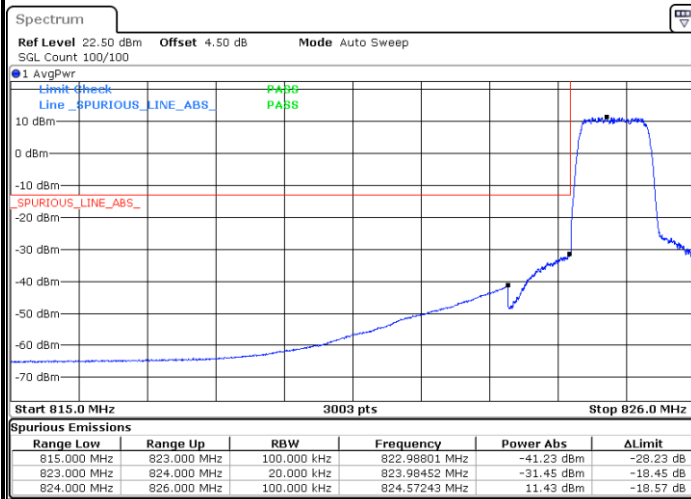
Lowest Band Edge / 1 RB



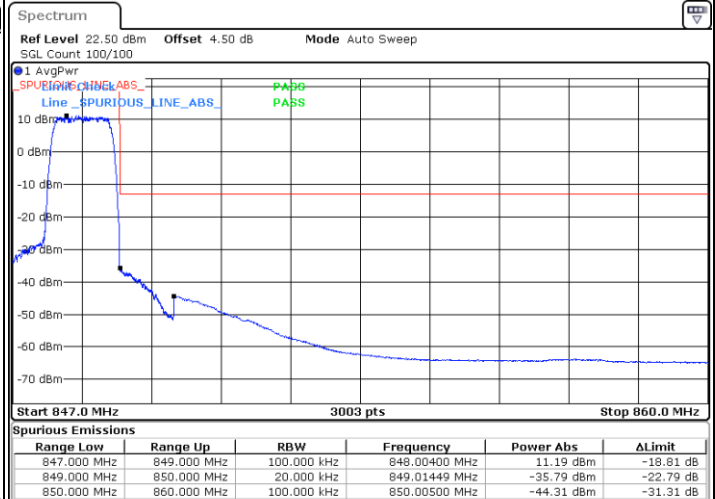
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



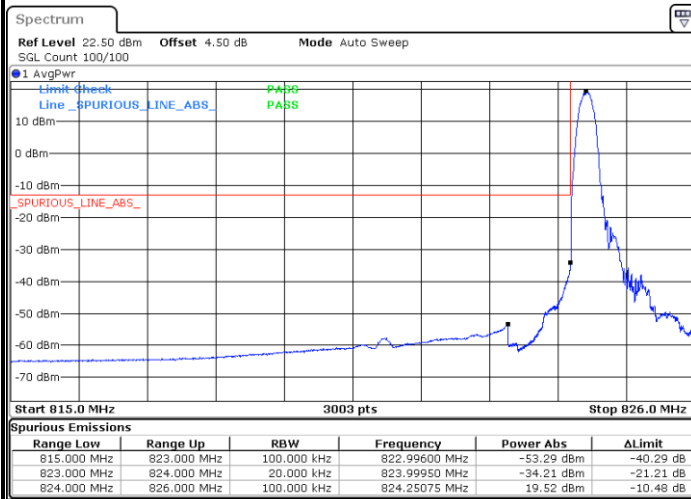
Highest Band Edge / Full RB



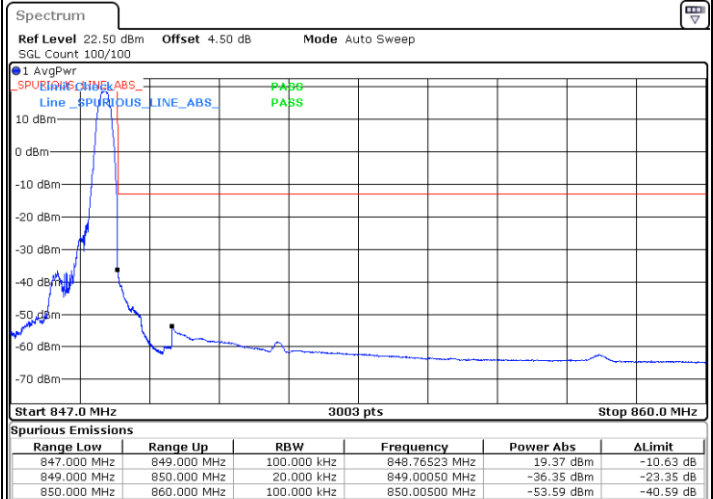


LTE Band 5 / 1.4MHz / 64QAM

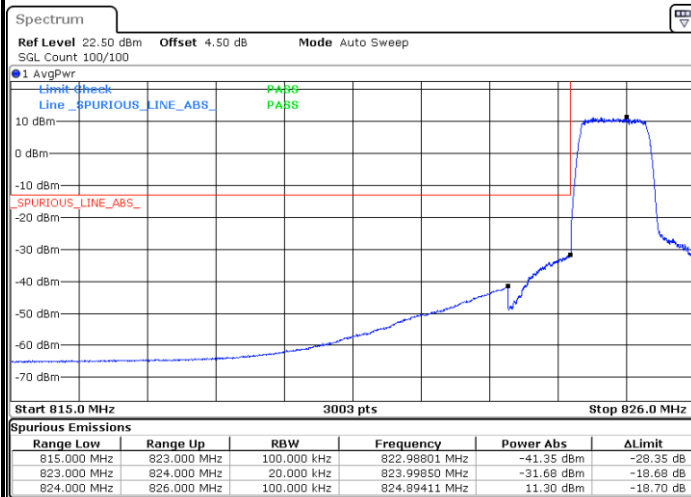
Lowest Band Edge / 1 RB



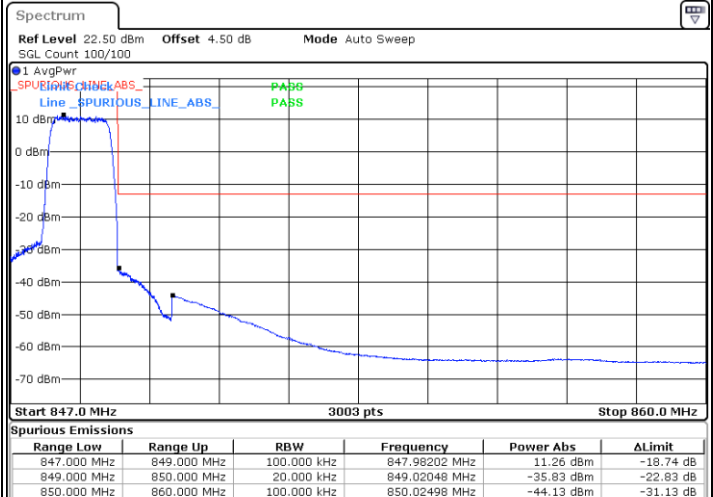
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



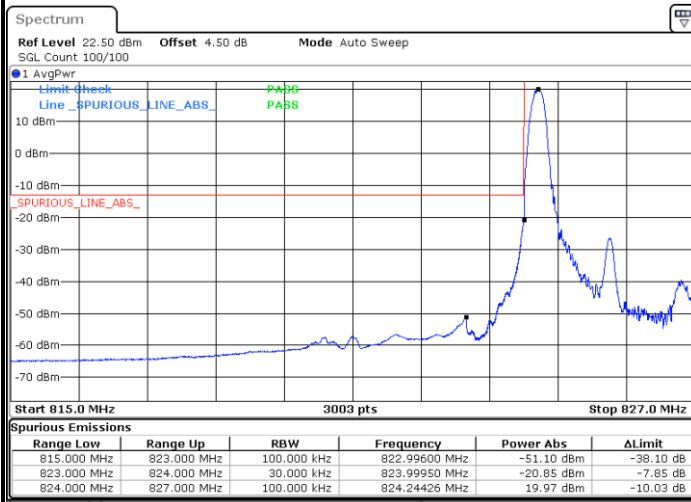
Highest Band Edge / Full RB



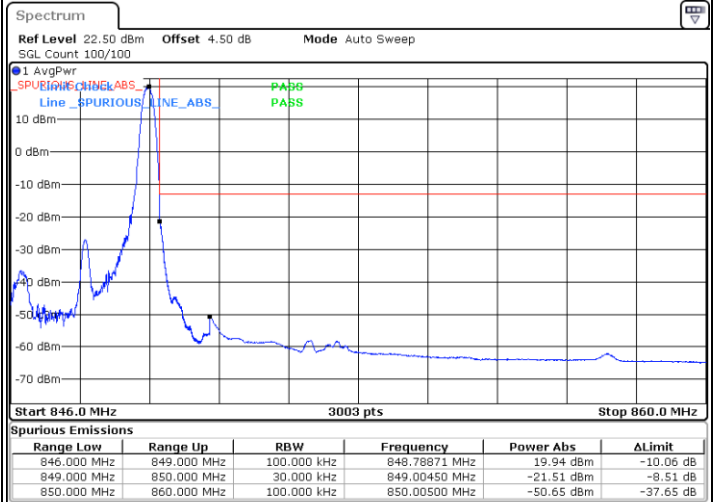


LTE Band 5 / 3MHz / QPSK

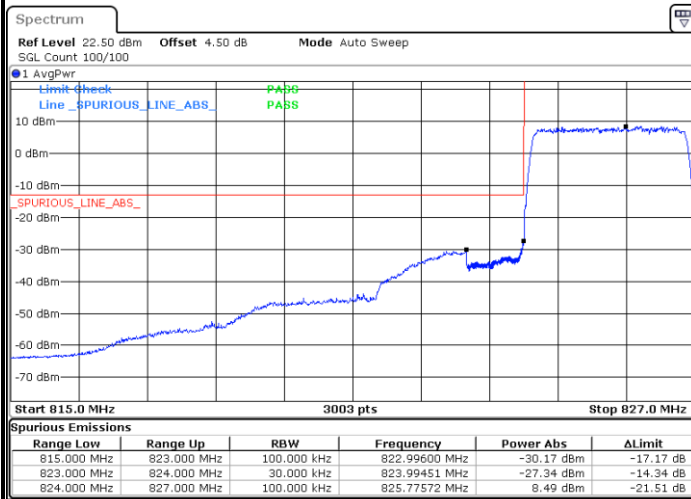
Lowest Band Edge / 1RB



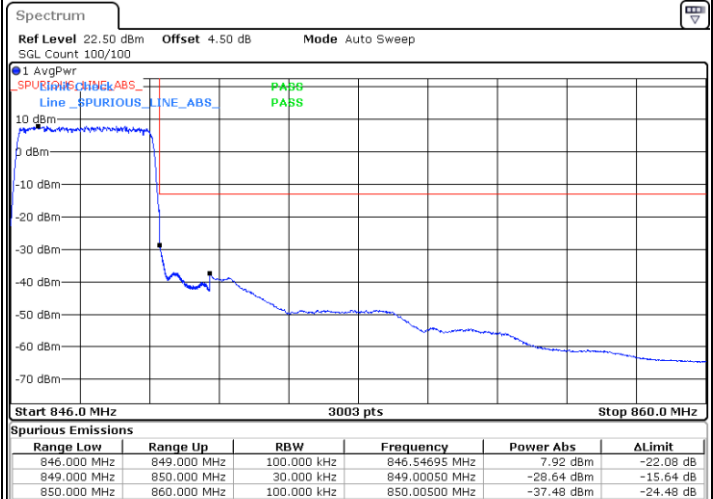
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



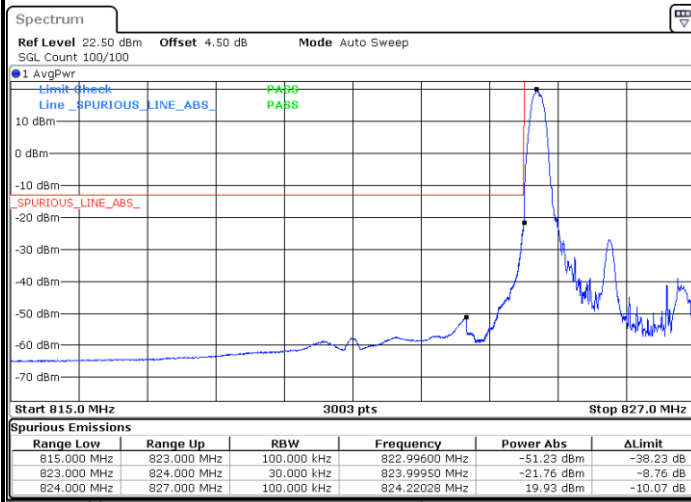
Highest Band Edge / Full RB



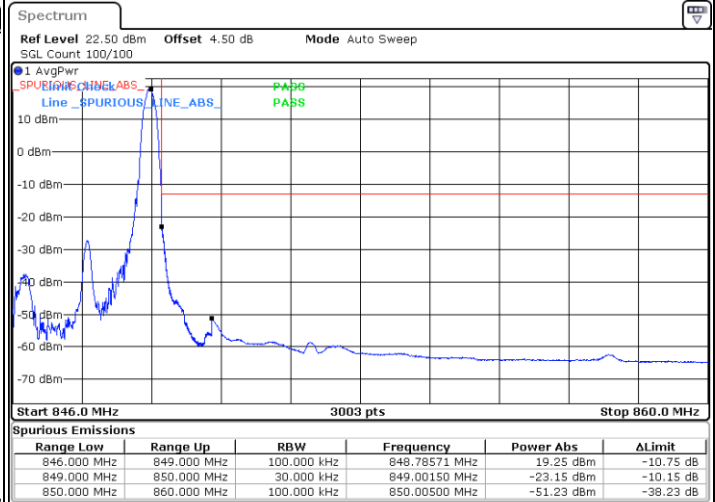


LTE Band 5 / 3MHz / 16QAM

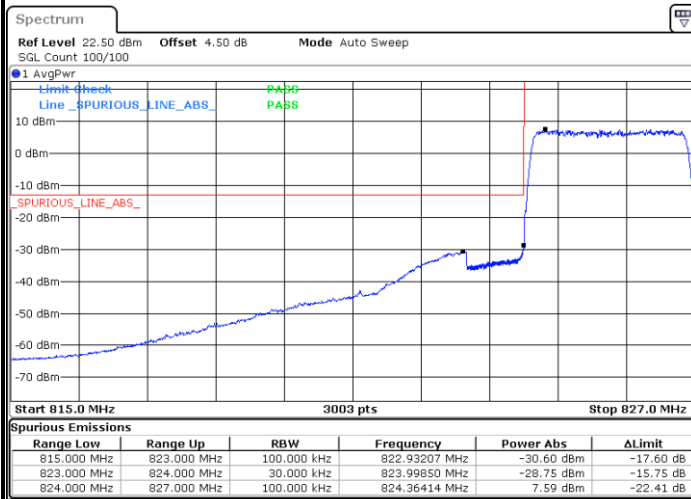
Lowest Band Edge / 1 RB



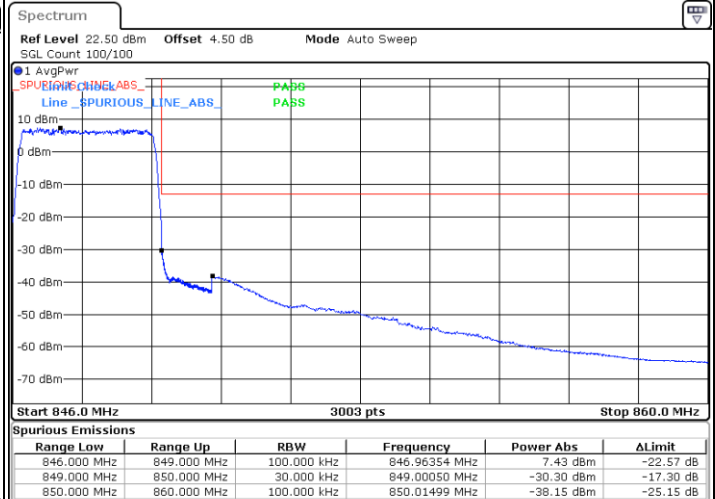
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



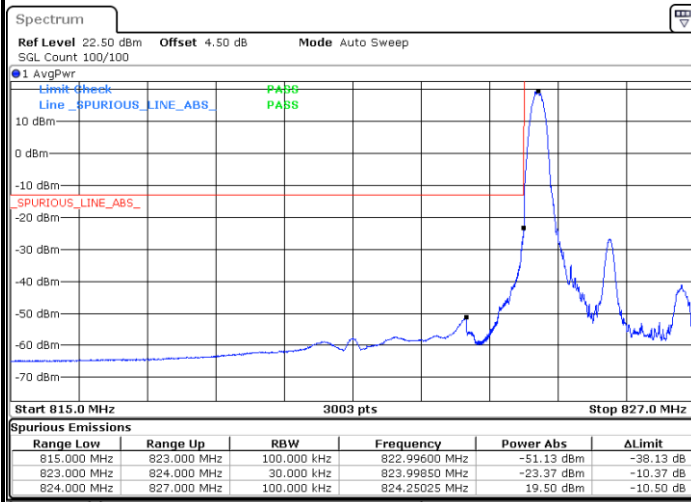
Highest Band Edge / Full RB





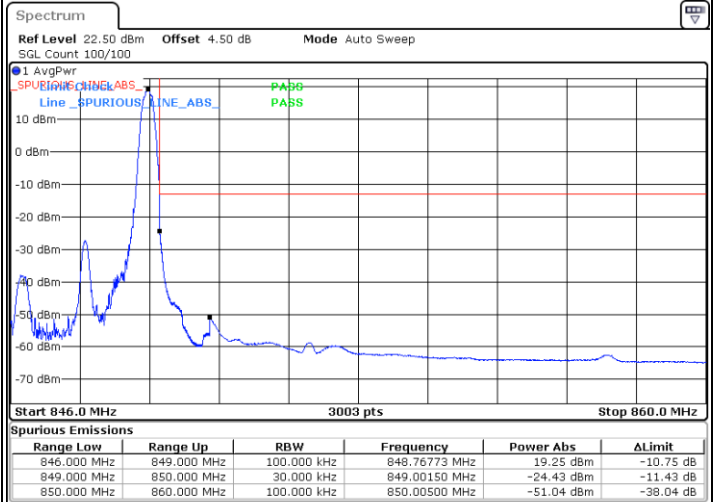
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



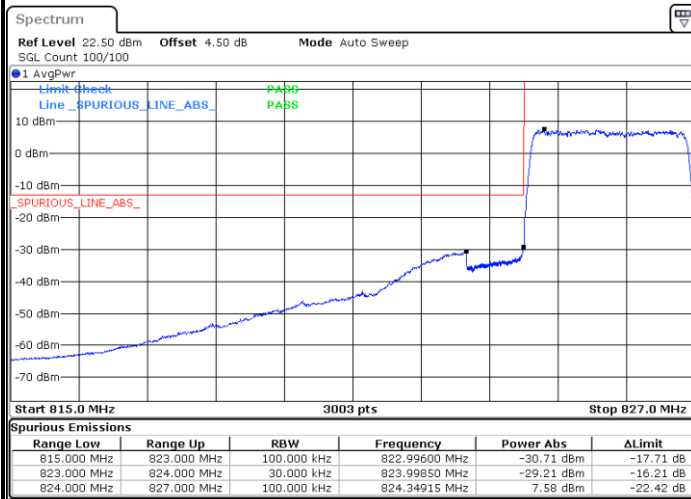
Date: 15.FEB.2020 06:23:03

Highest Band Edge / 1 RB



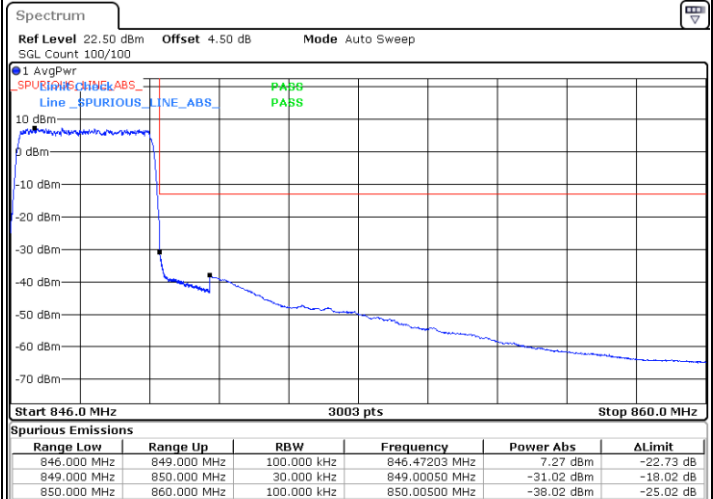
Date: 15.FEB.2020 06:28:46

Lowest Band Edge / Full RB



Date: 15.FEB.2020 06:21:25

Highest Band Edge / Full RB

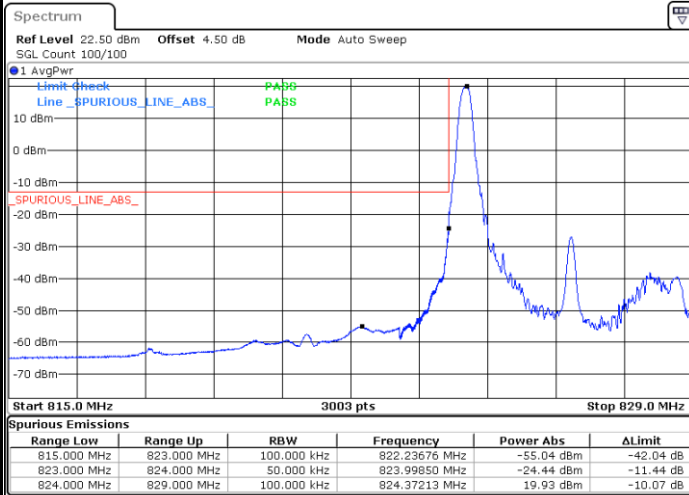


Date: 15.FEB.2020 06:27:08



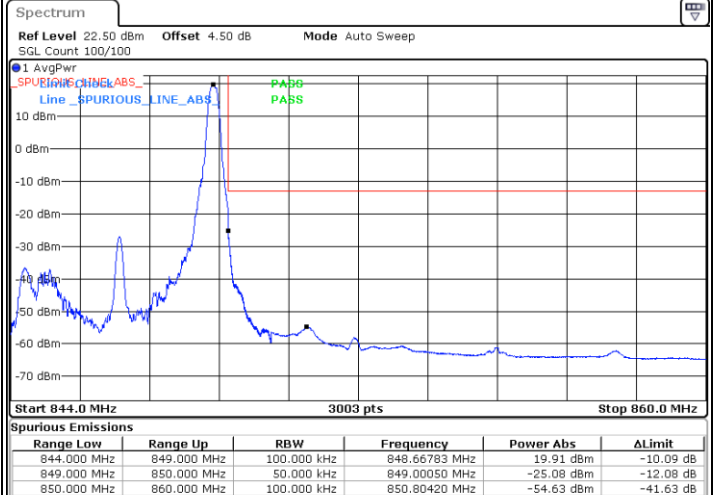
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



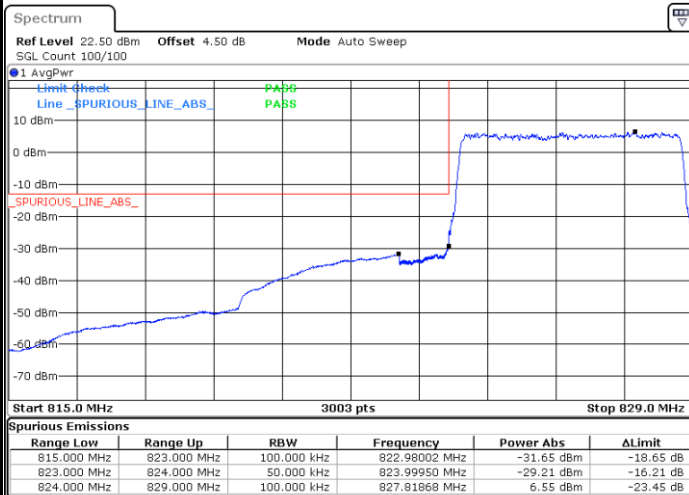
Date: 15.FEB.2020 05:48:52

Highest Band Edge / 1 RB



Date: 15.FEB.2020 05:59:24

Lowest Band Edge / Full RB



Date: 15.FEB.2020 05:42:46

Highest Band Edge / Full RB

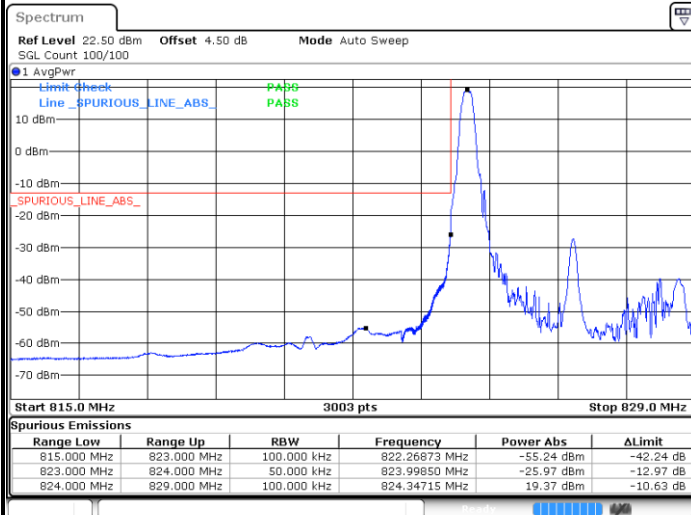


Date: 15.FEB.2020 05:54:12

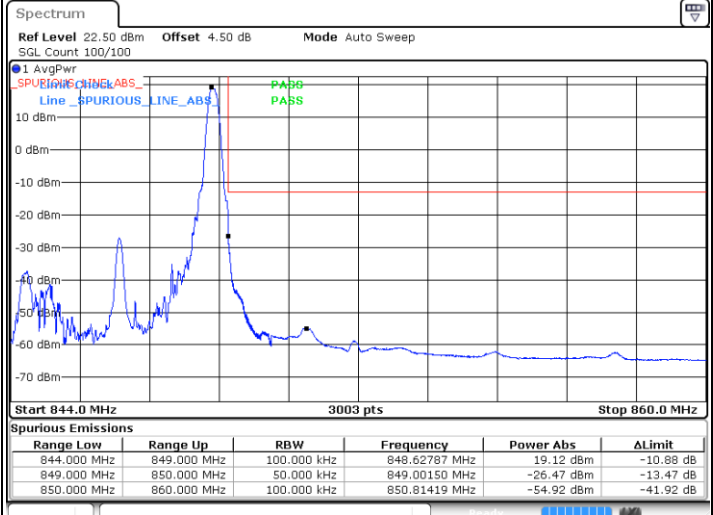


LTE Band 5 / 5MHz / 16QAM

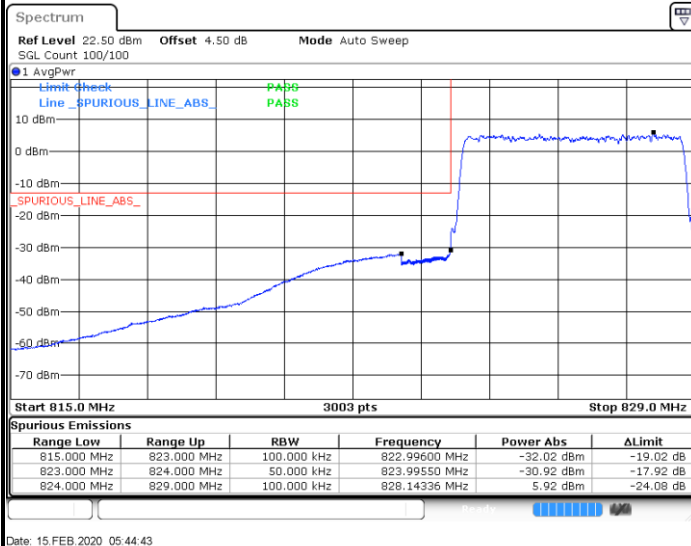
Lowest Band Edge / 1RB



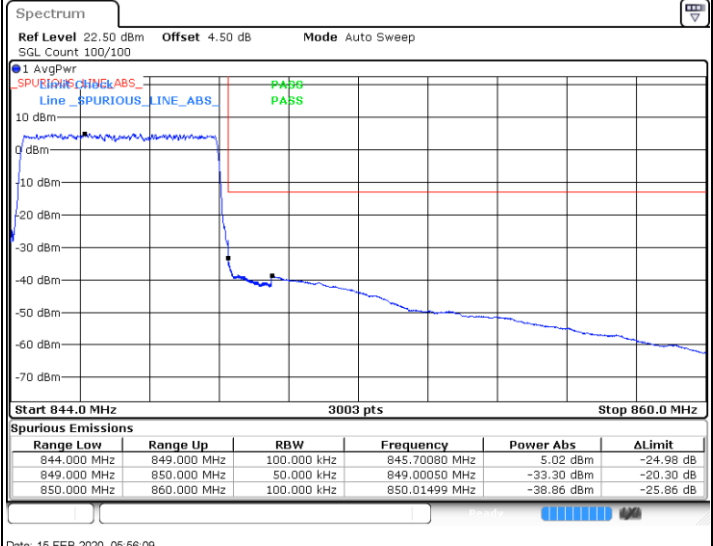
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



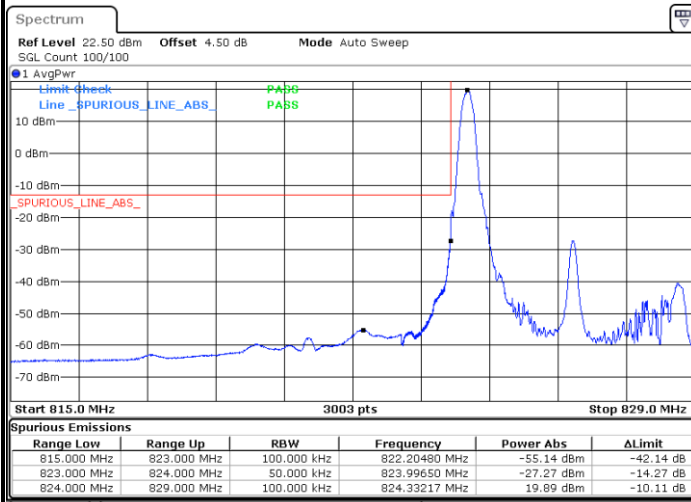
Highest Band Edge / Full RB



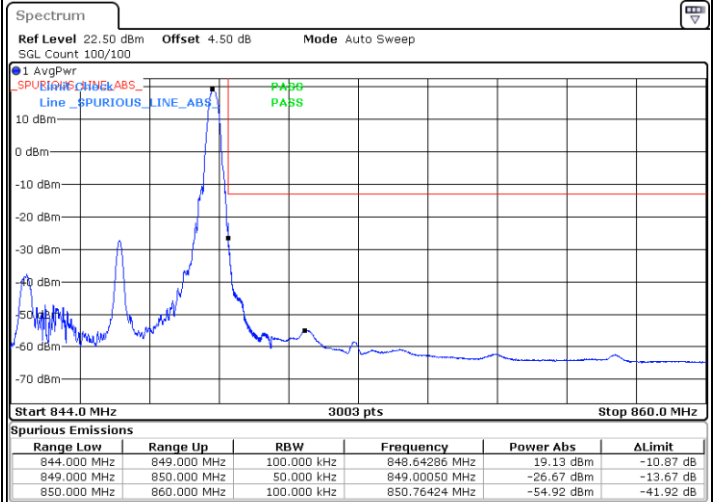


LTE Band 5 / 5MHz / 64QAM

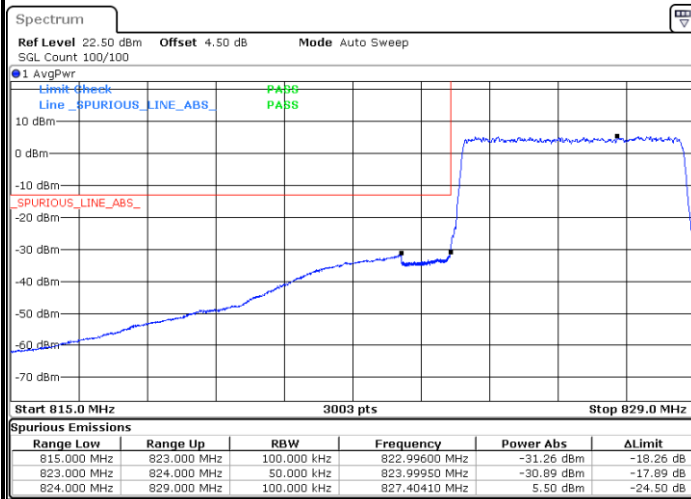
Lowest Band Edge / 1RB



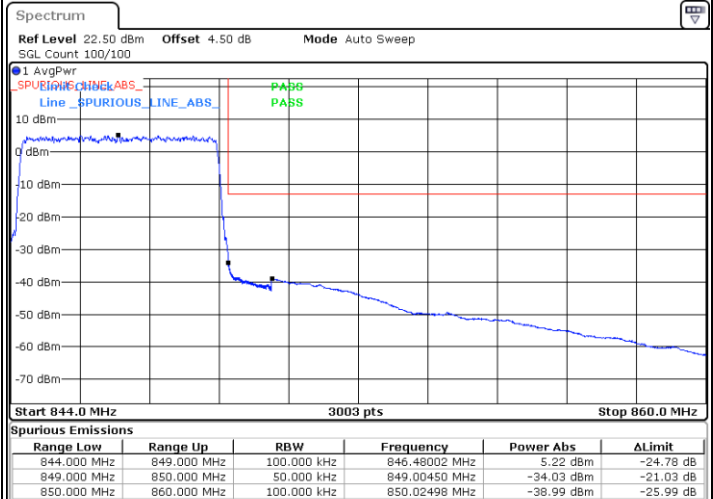
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



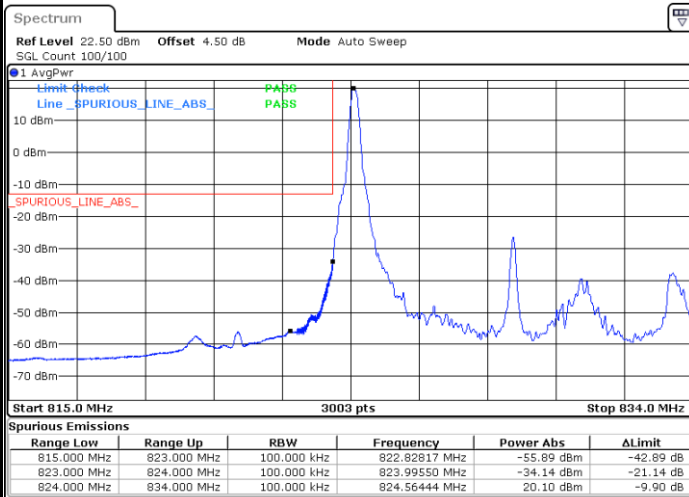
Highest Band Edge / Full RB



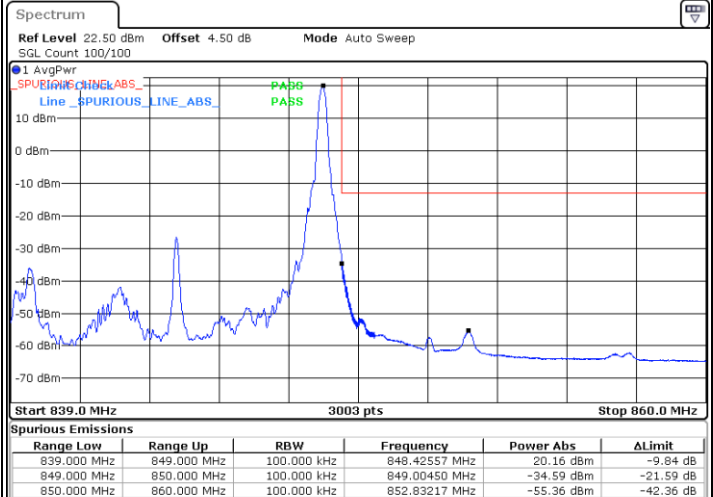


LTE Band 5 / 10MHz / QPSK

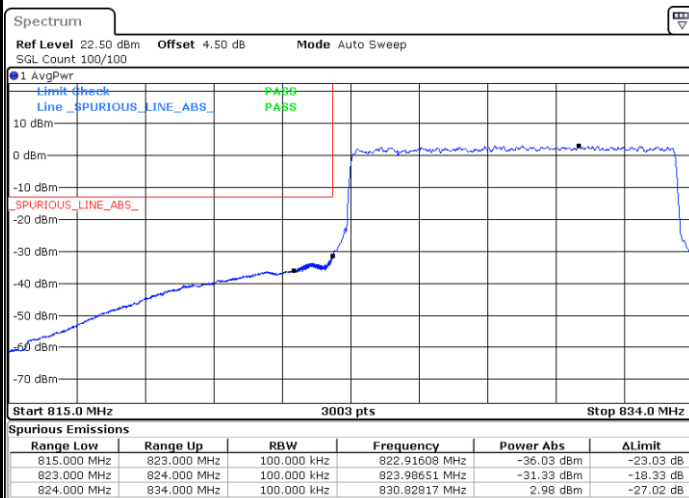
Lowest Band Edge / 1 RB



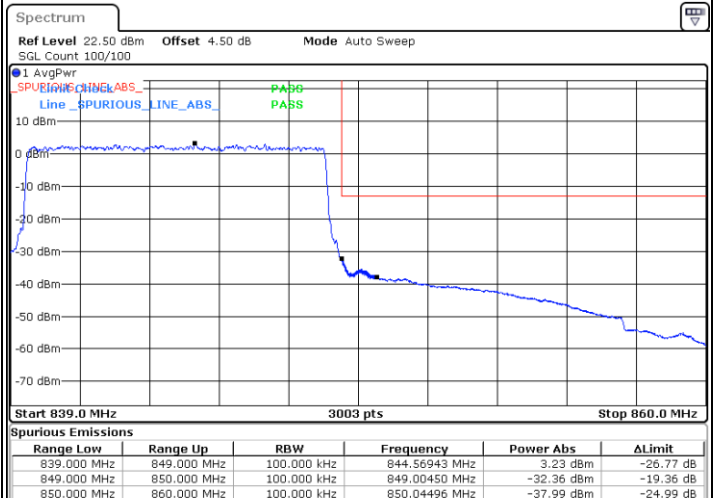
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



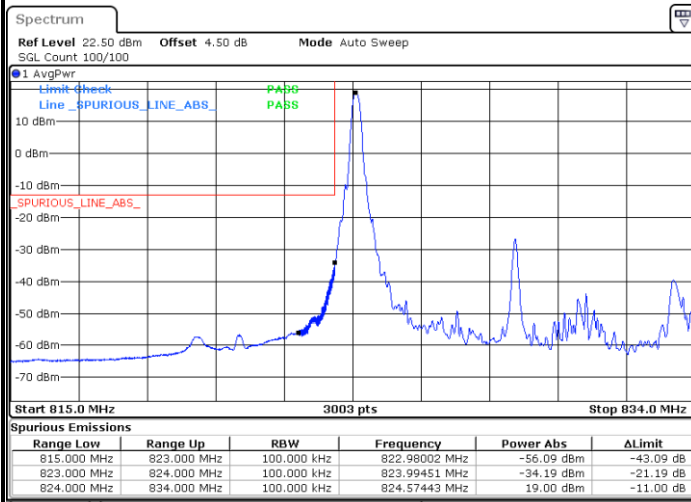
Highest Band Edge / Full RB



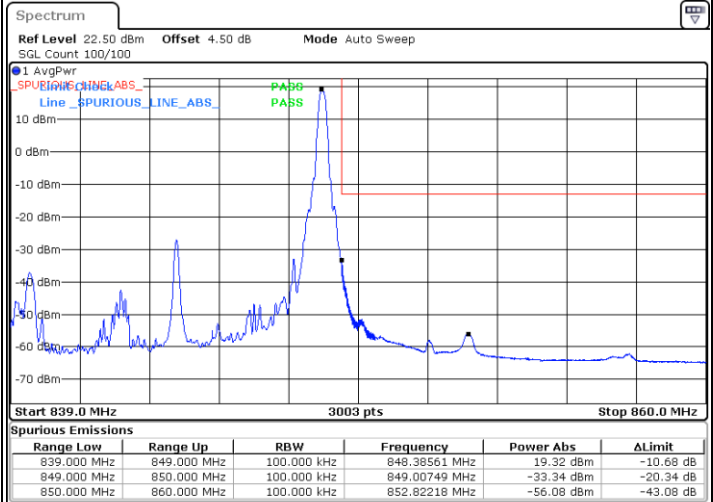


LTE Band 5 / 10MHz / 16QAM

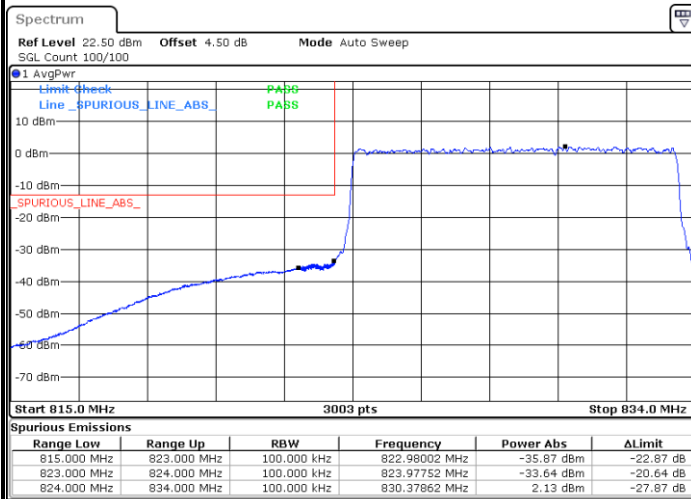
Lowest Band Edge / 1 RB



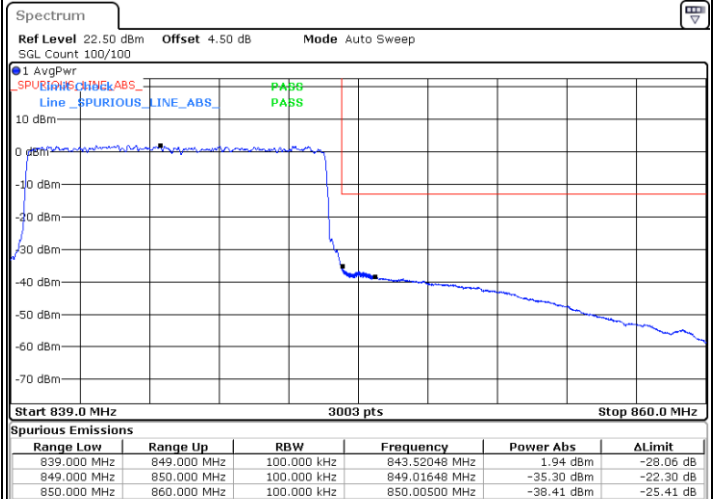
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



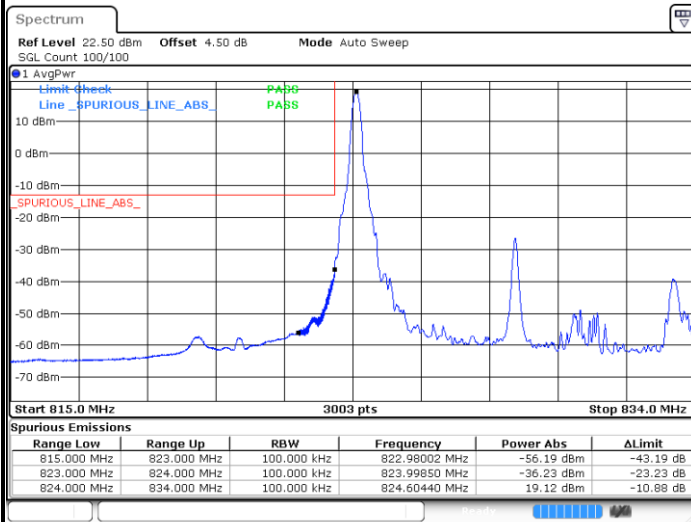
Highest Band Edge / Full RB



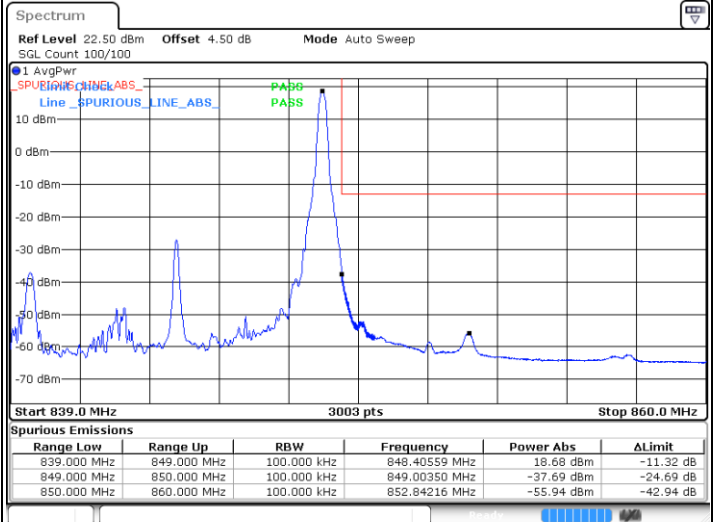


LTE Band 5 / 10MHz / 64QAM

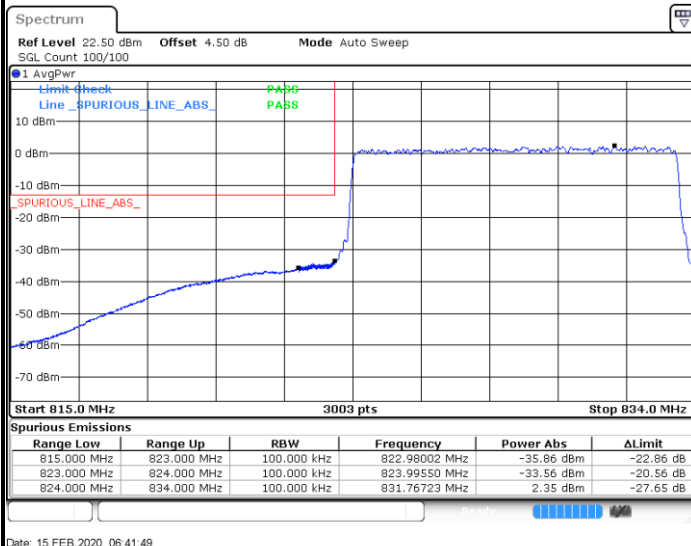
Lowest Band Edge / 1 RB



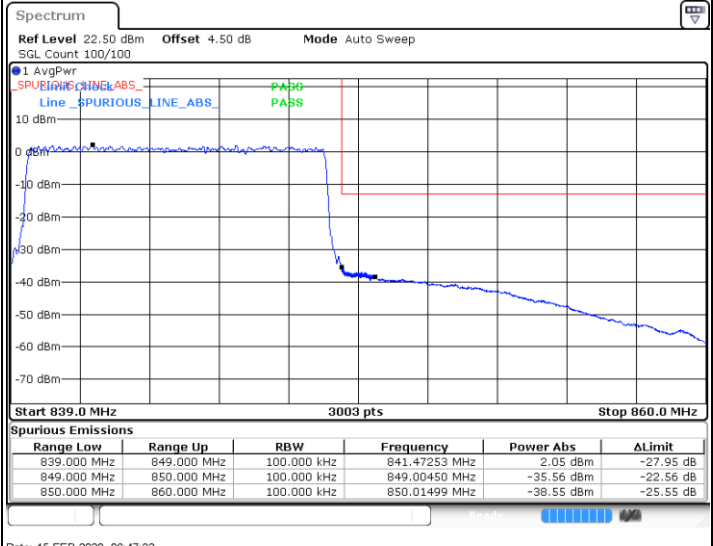
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

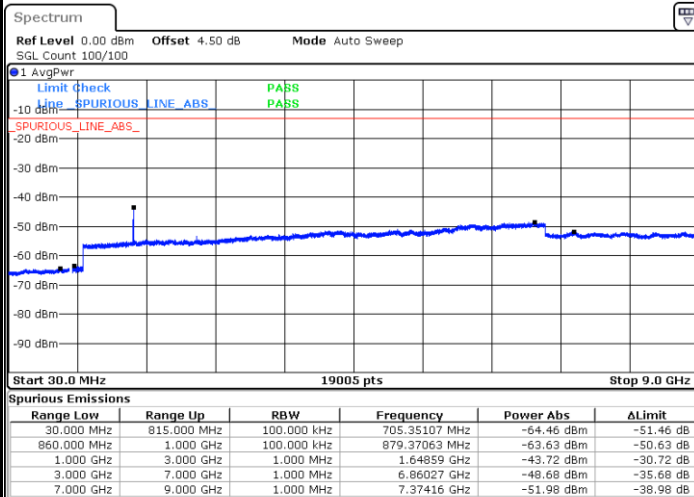




Conducted Spurious Emission

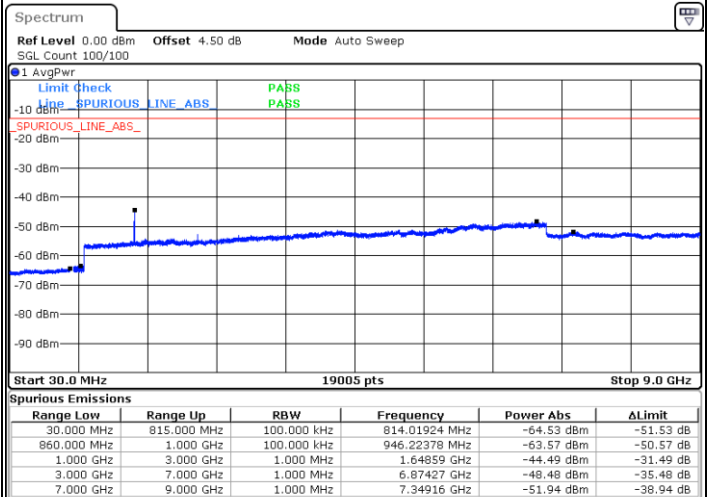
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



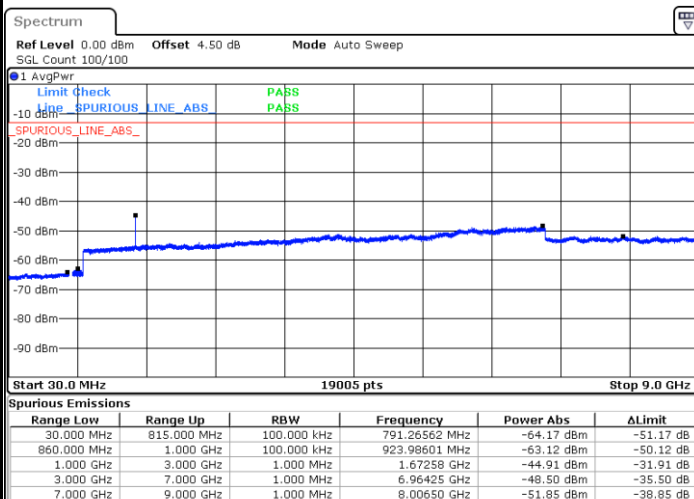
Date: 15 FEB 2020 04:44:02

Lowest Channel / 16QAM



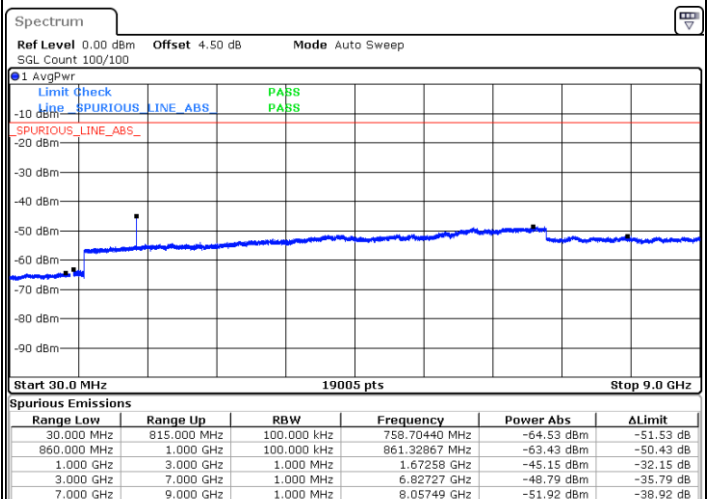
Date: 15 FEB 2020 04:44:56

Middle Channel / QPSK



Date: 15 FEB 2020 04:46:30

Middle Channel / 16QAM

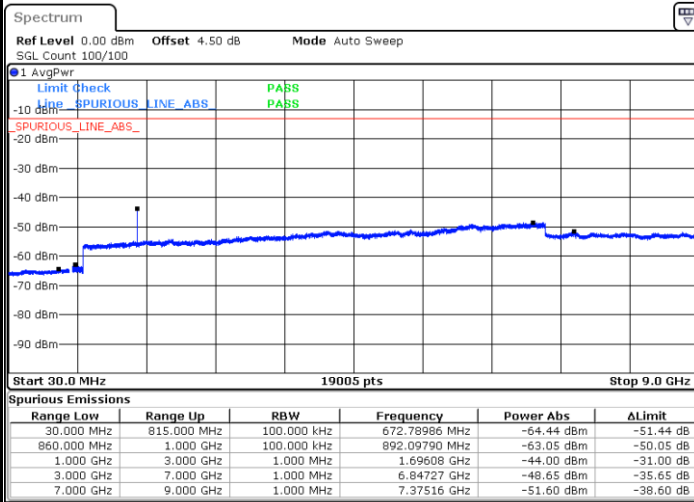


Date: 15 FEB 2020 04:47:24



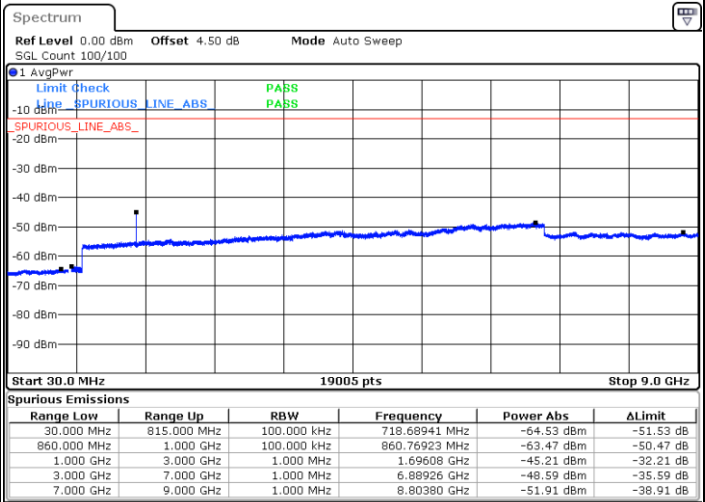
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 15 FEB 2020 04:55:28

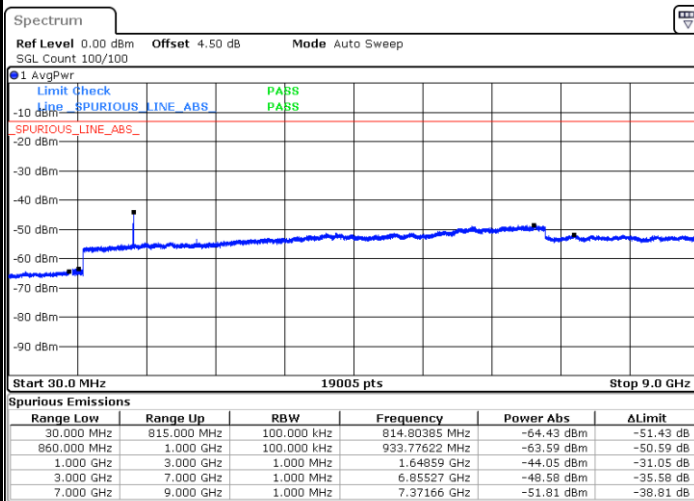
Highest Channel / 16QAM



Date: 15 FEB 2020 04:56:22

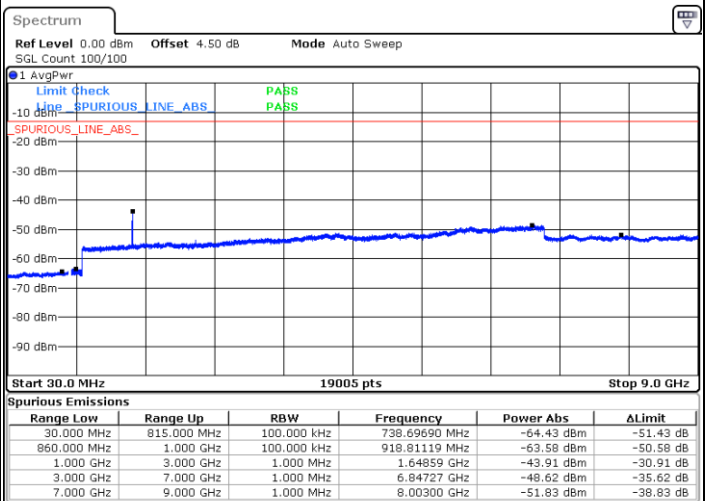
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 15 FEB 2020 05:25:29

Lowest Channel / 16QAM

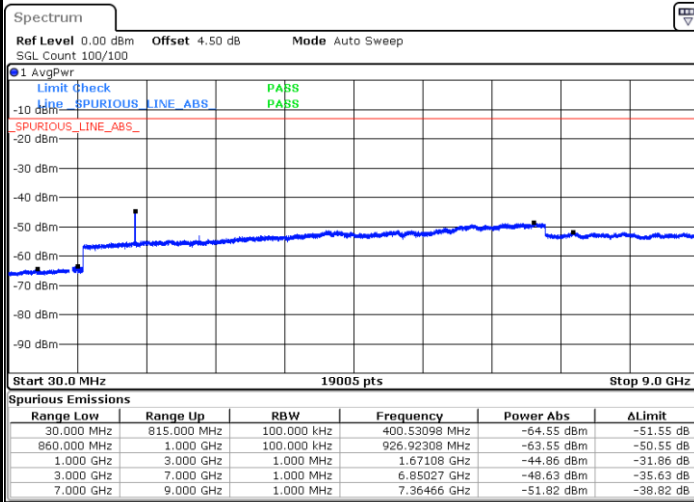


Date: 15 FEB 2020 05:26:23



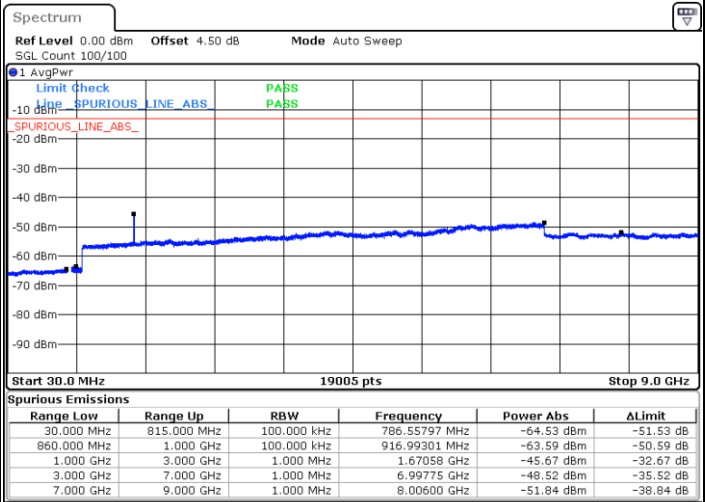
LTE Band 5 / 3MHz

Middle Channel / QPSK



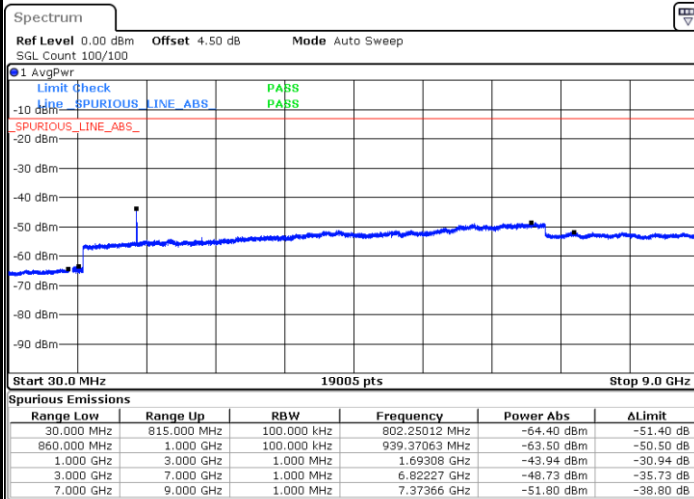
Date: 15.FEB.2020 05:28:12

Middle Channel / 16QAM



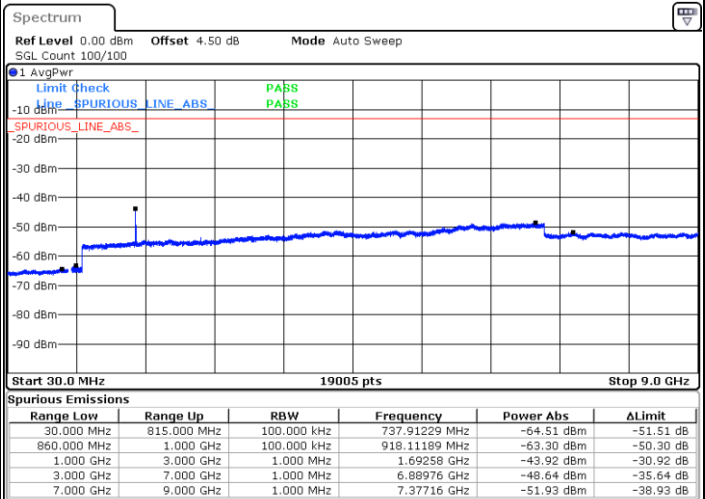
Date: 15.FEB.2020 05:27:18

Highest Channel / QPSK



Date: 15.FEB.2020 05:37:33

Highest Channel / 16QAM

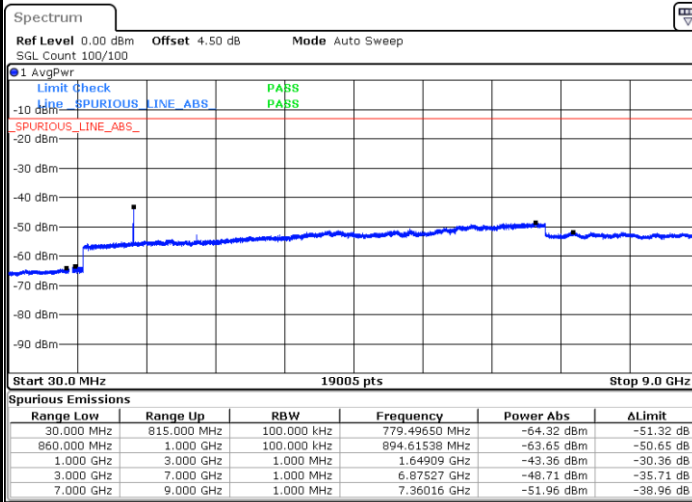


Date: 15.FEB.2020 05:32:21



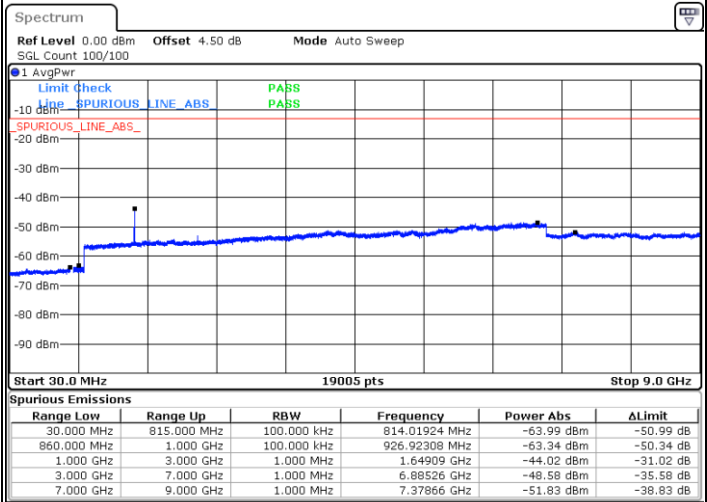
LTE Band 5 / 5MHz

Lowest Channel / QPSK



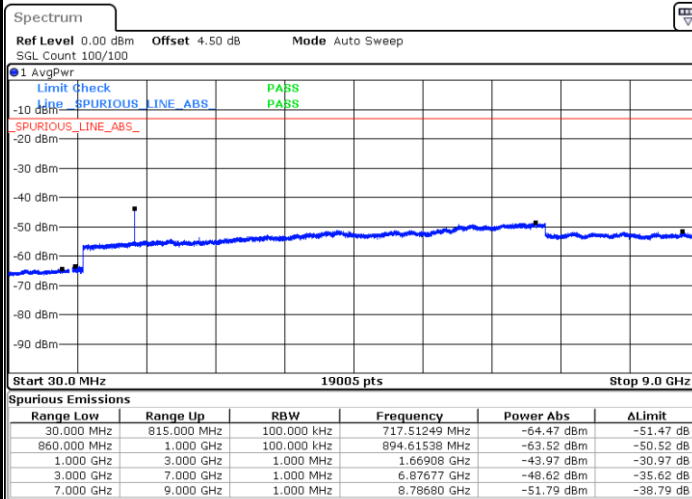
Date: 15.FEB.2020 05:49:45

Lowest Channel / 16QAM



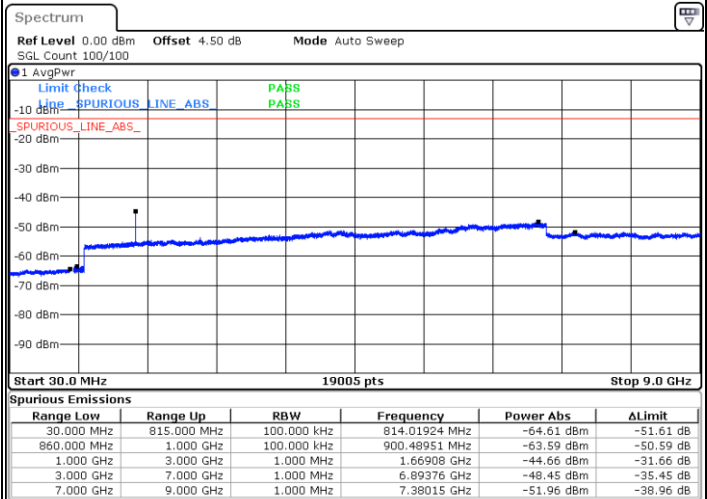
Date: 15.FEB.2020 05:47:14

Middle Channel / QPSK



Date: 15.FEB.2020 05:52:14

Middle Channel / 16QAM

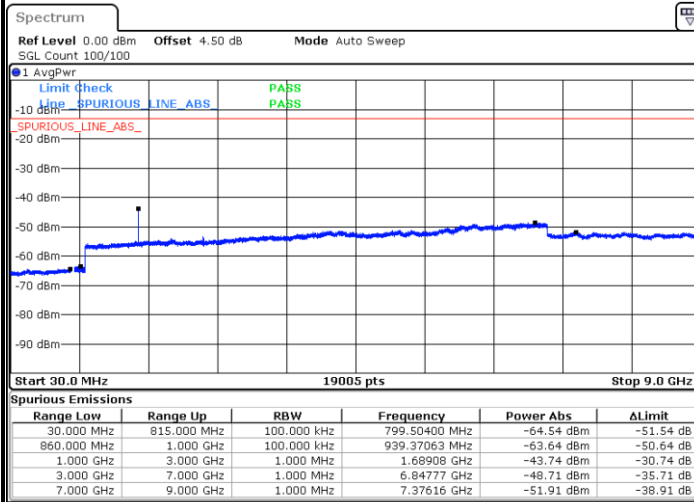


Date: 15.FEB.2020 05:51:19



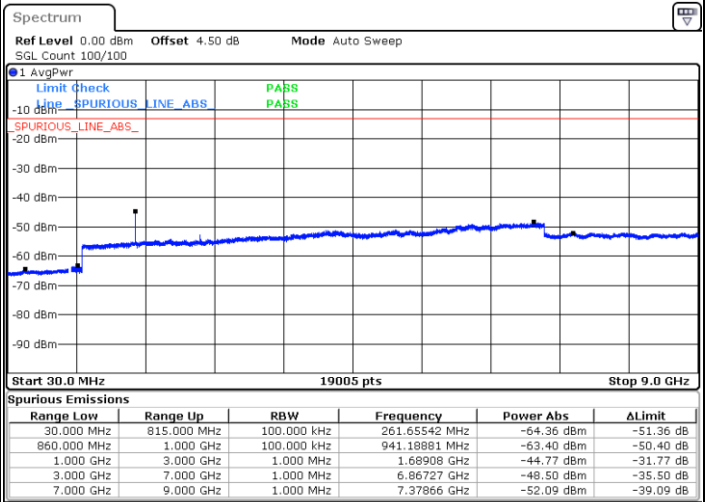
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 15 FEB 2020 06:00:17

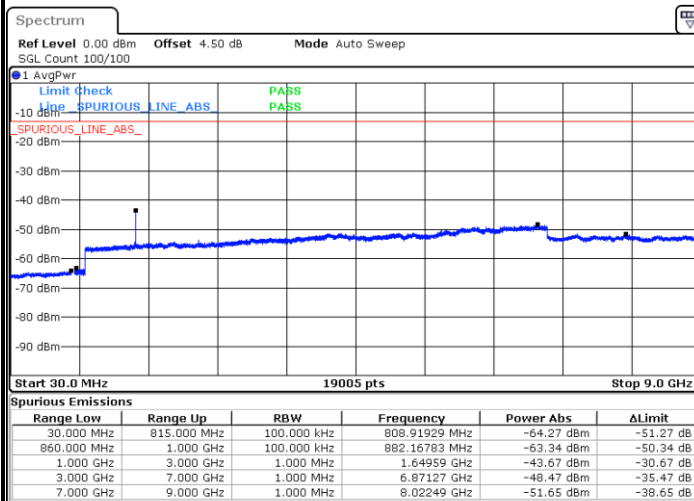
Highest Channel / 16QAM



Date: 15 FEB 2020 06:01:11

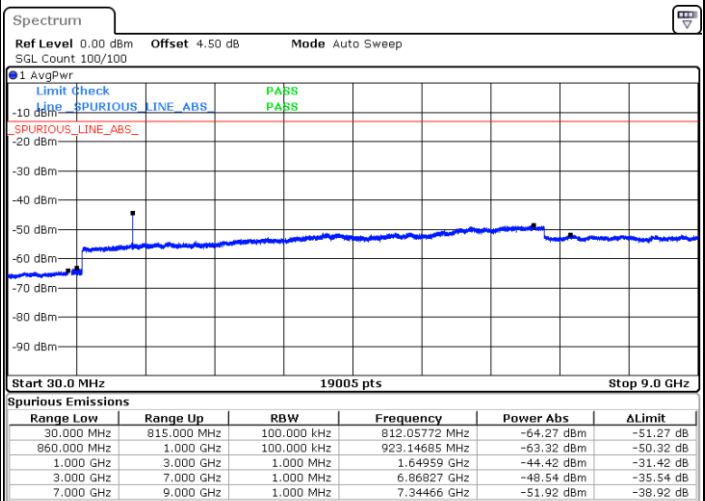
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 15 FEB 2020 05:04:26

Lowest Channel / 16QAM

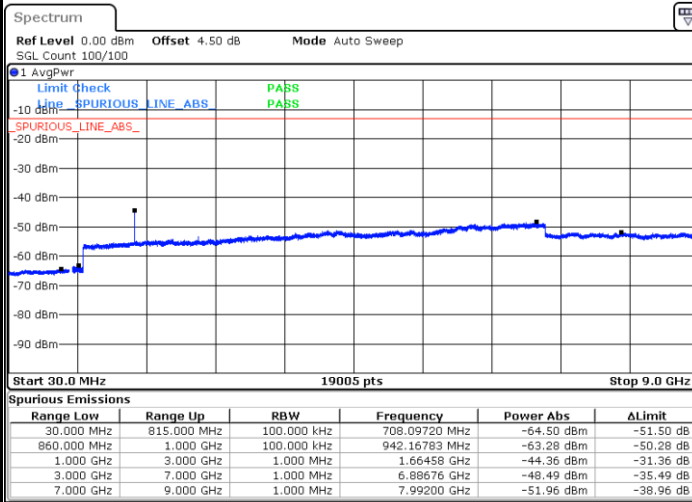


Date: 15 FEB 2020 05:05:20



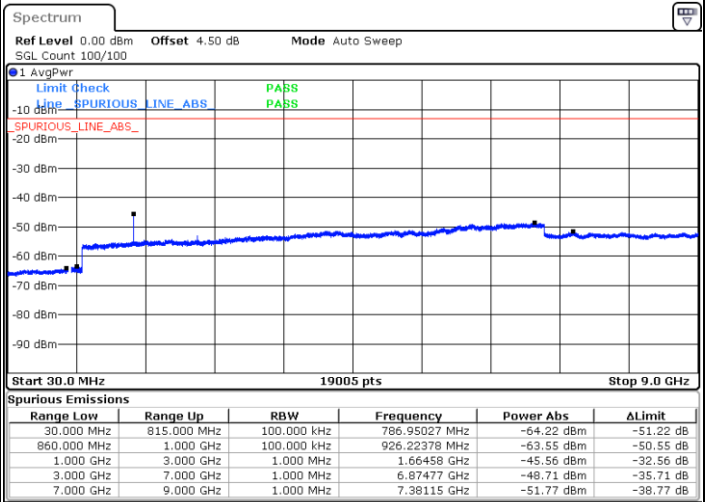
LTE Band 5 / 10MHz

Middle Channel / QPSK



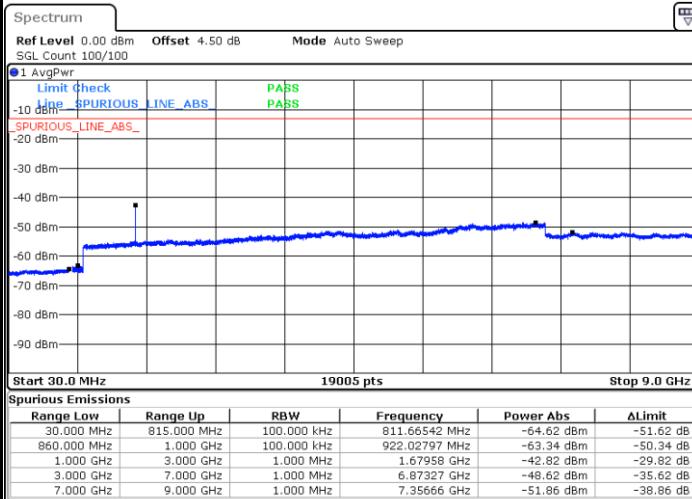
Date: 15.FEB.2020 05:06:54

Middle Channel / 16QAM



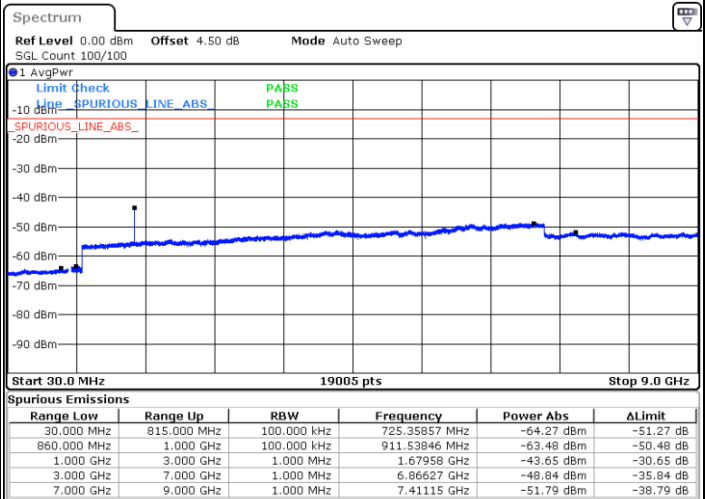
Date: 15.FEB.2020 05:07:48

Highest Channel / QPSK



Date: 15.FEB.2020 05:15:52

Highest Channel / 16QAM

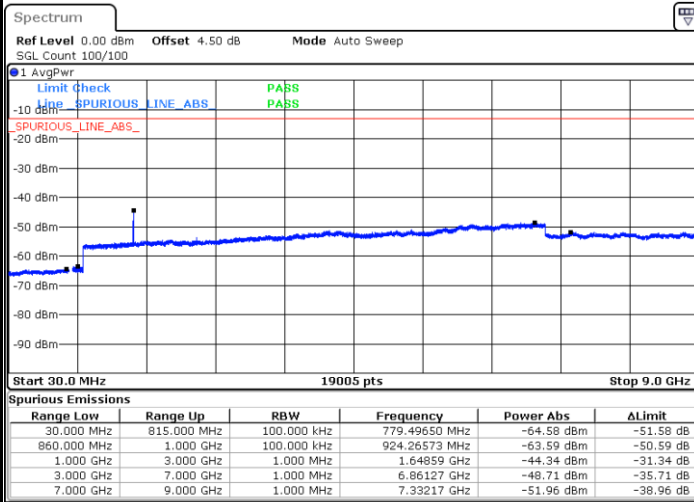


Date: 15.FEB.2020 05:16:46



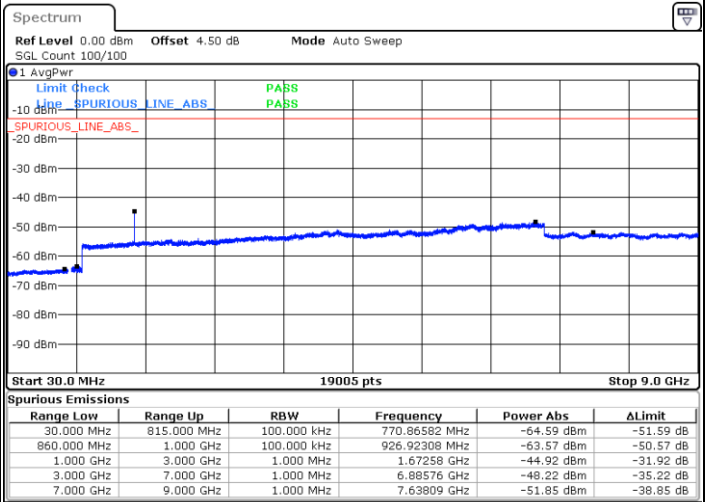
LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM



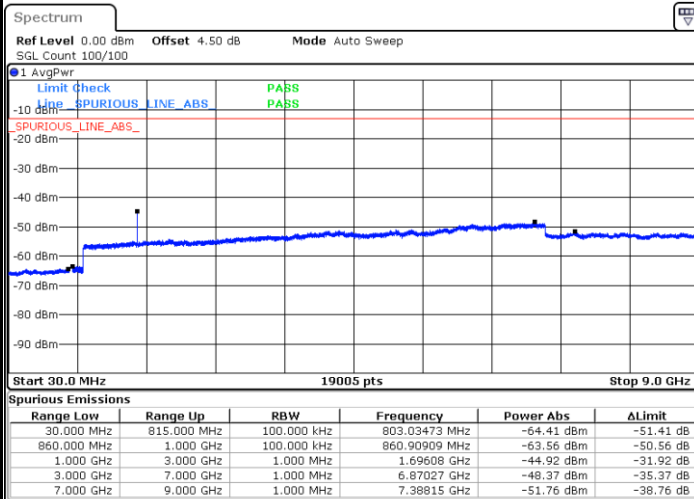
Date: 15.FEB.2020 06:13:44

Middle Channel / 64QAM



Date: 15.FEB.2020 06:14:38

Highest Channel / 64QAM

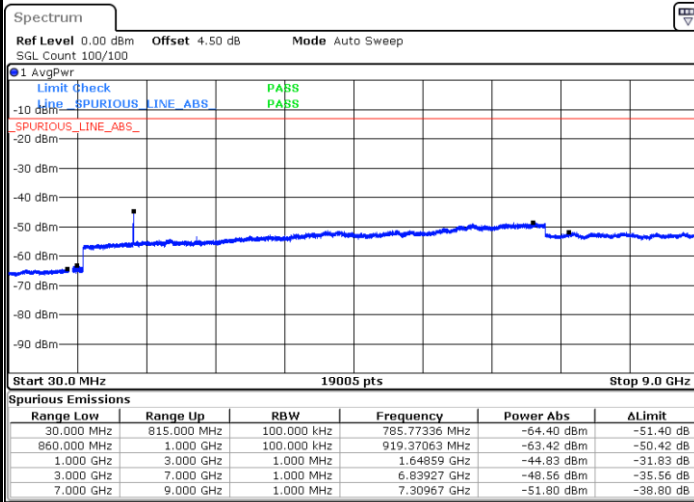


Date: 15.FEB.2020 06:19:27



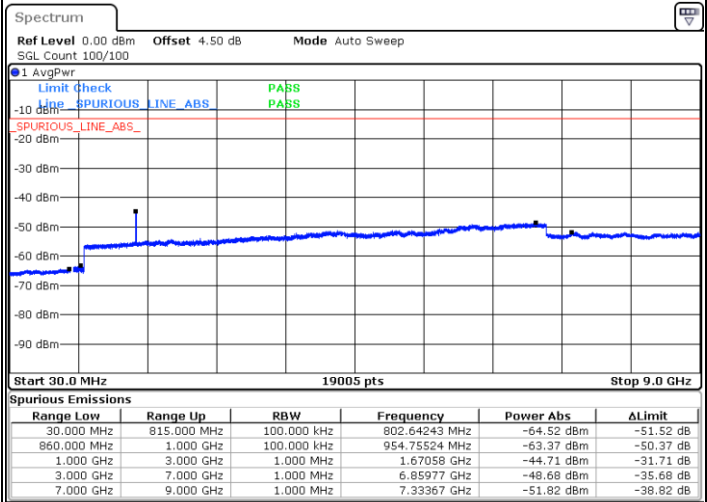
LTE Band 5 / 3MHz

Lowest Channel / 64QAM



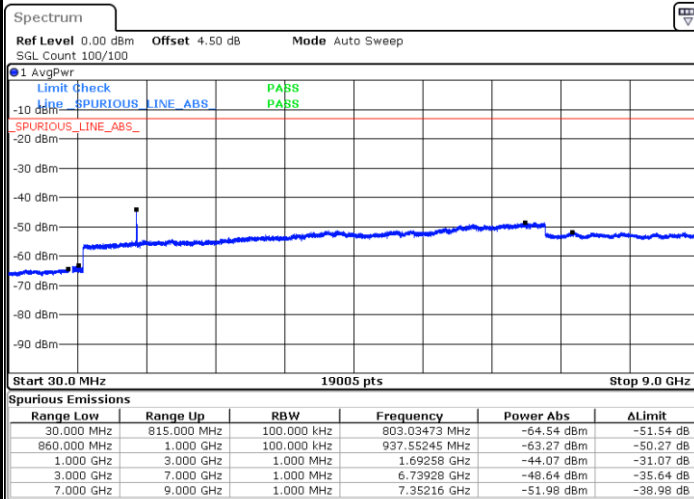
Date: 15.FEB.2020 06:23:56

Middle Channel / 64QAM



Date: 15.FEB.2020 06:24:50

Highest Channel / 64QAM

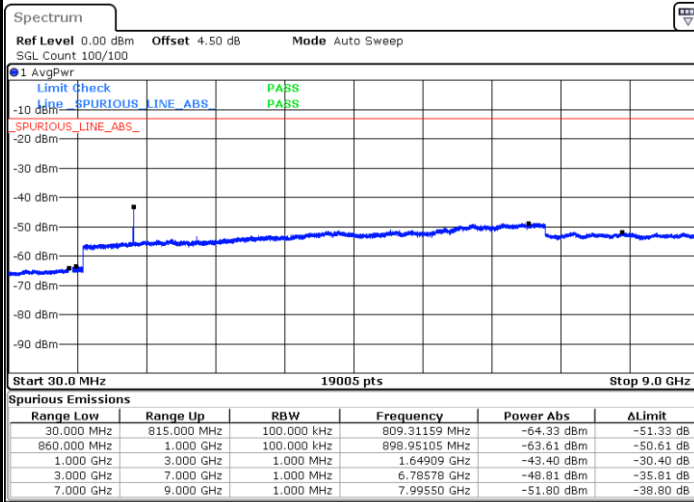


Date: 15.FEB.2020 06:29:39



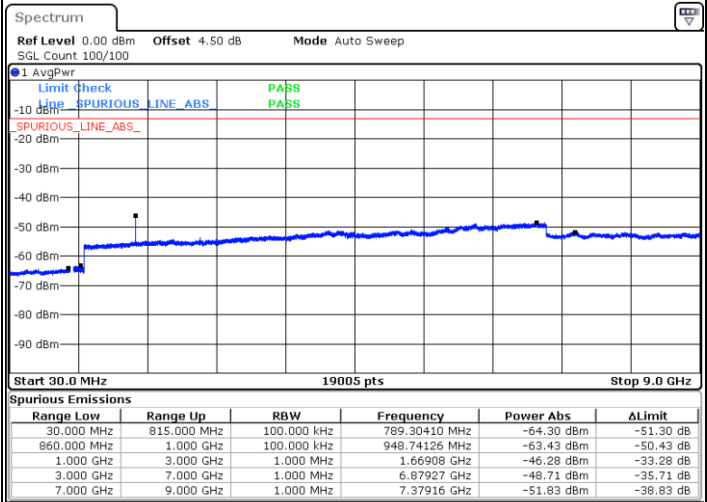
LTE Band 5 / 5MHz

Lowest Channel / 64QAM



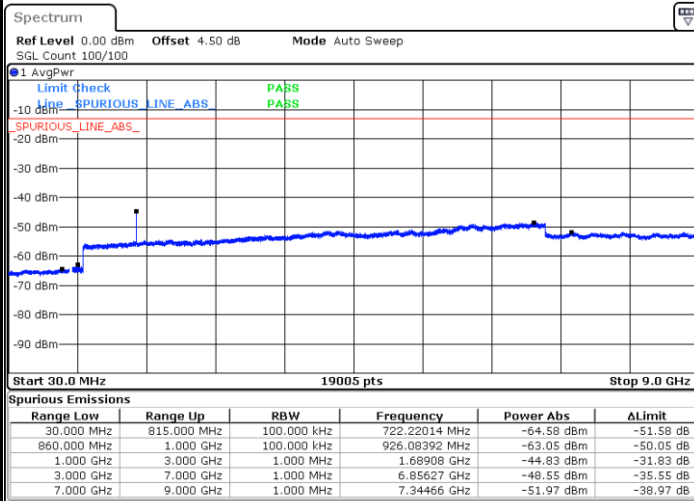
Date: 15 FEB 2020 06:34:08

Middle Channel / 64QAM



Date: 15 FEB 2020 06:35:02

Highest Channel / 64QAM

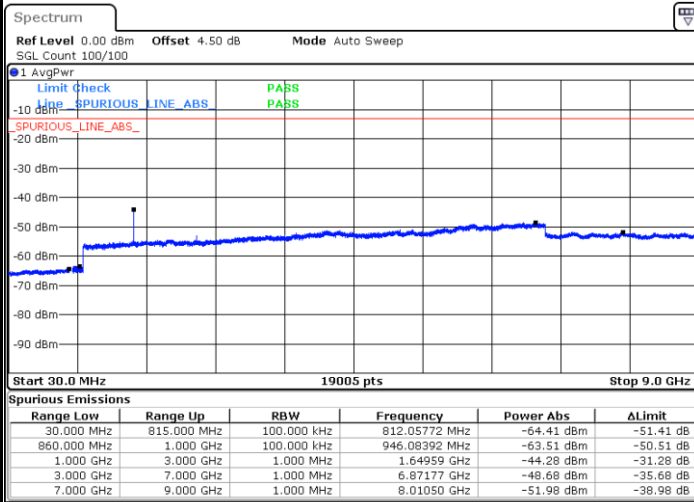


Date: 15 FEB 2020 06:39:51



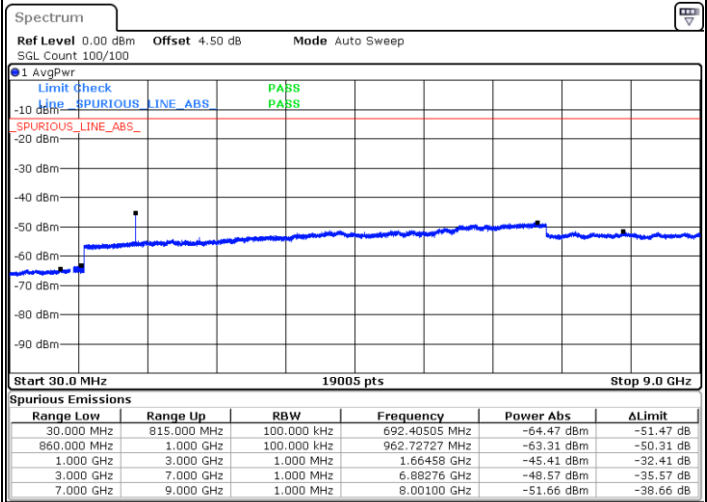
LTE Band 5 / 10MHz

Lowest Channel / 64QAM



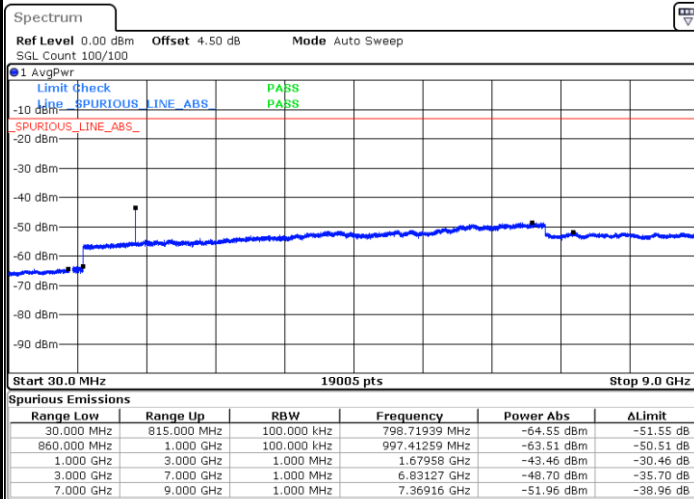
Date: 15 FEB 2020 06:44:20

Middle Channel / 64QAM



Date: 15 FEB 2020 06:45:14

Highest Channel / 64QAM



Date: 15 FEB 2020 06:50:03

**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	

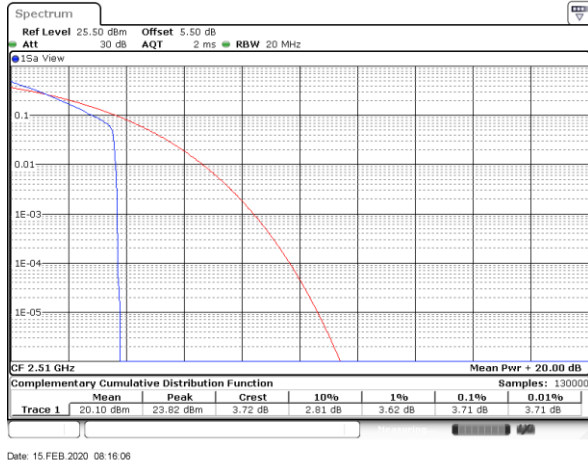
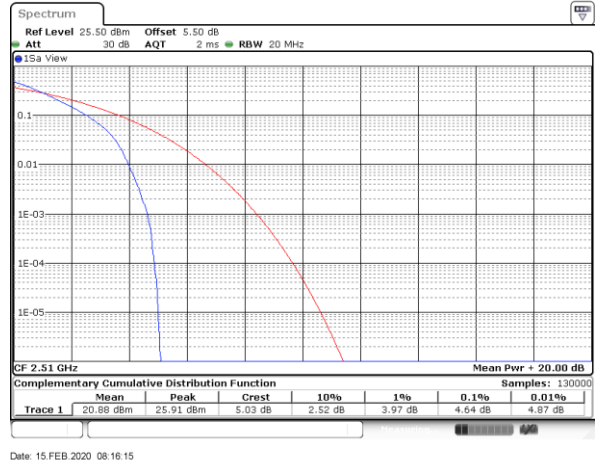
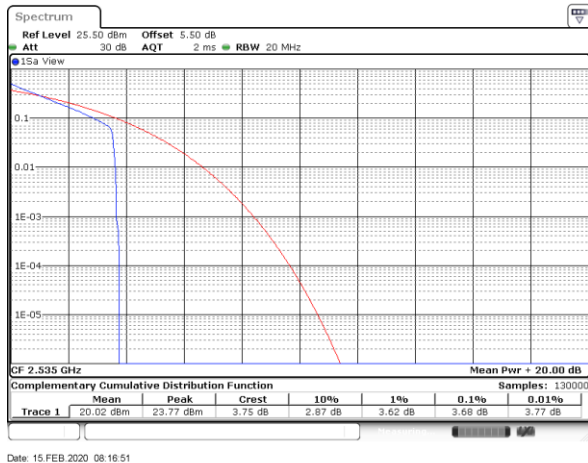
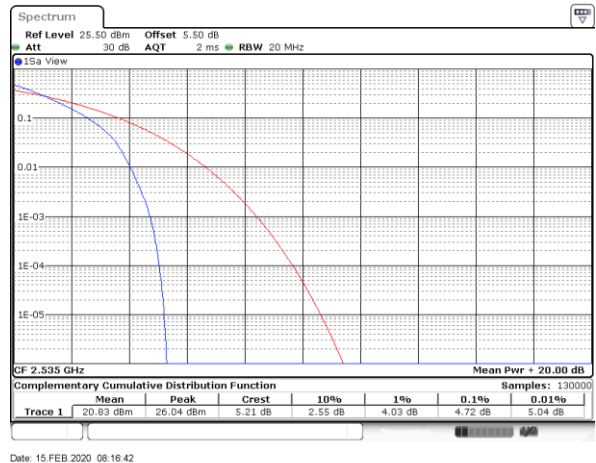
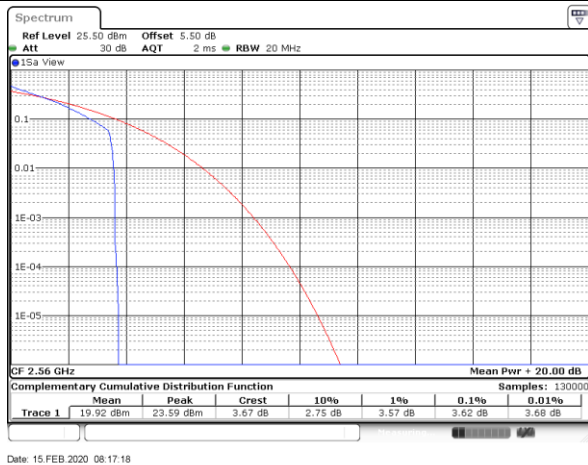
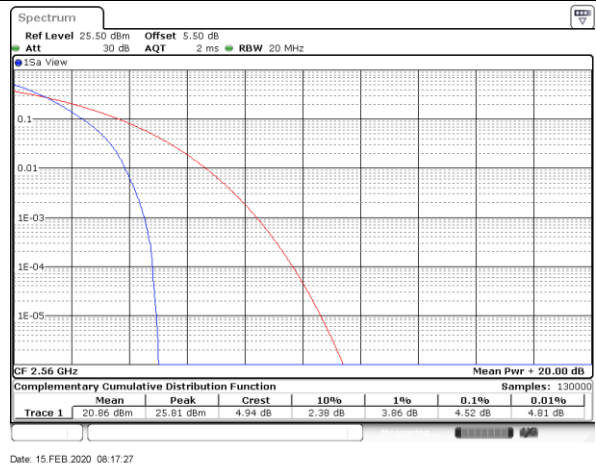
Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.



LTE Band 7

Peak-to-Average Ratio

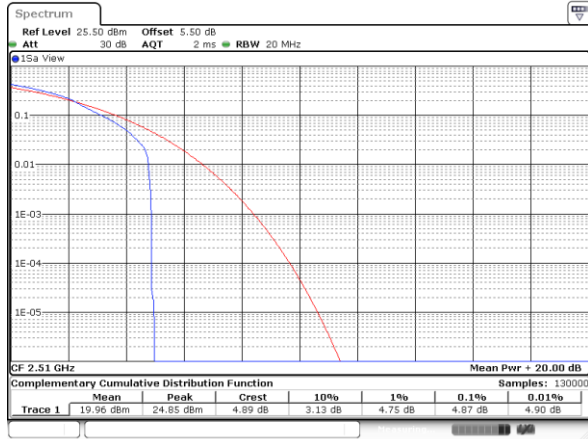
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.71	4.64	4.87	5.97	PASS
Middle CH	3.68	4.72	5.51	6.03	
Highest CH	3.62	4.52	5.22	5.97	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.19	5.97	-	-	PASS
Middle CH	5.36	6.03	-	-	
Highest CH	5.57	5.91	-	-	

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


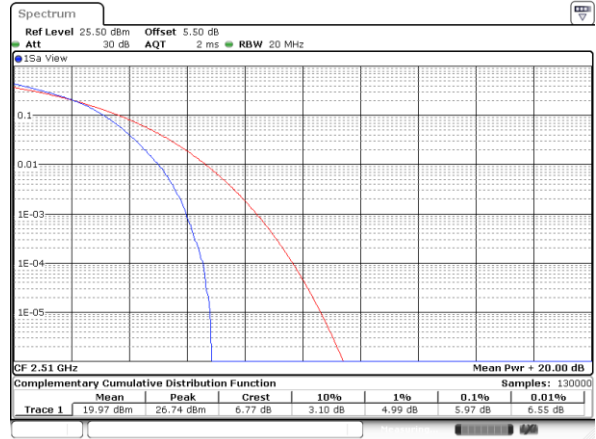


LTE Band 7 / 20MHz / 16QAM

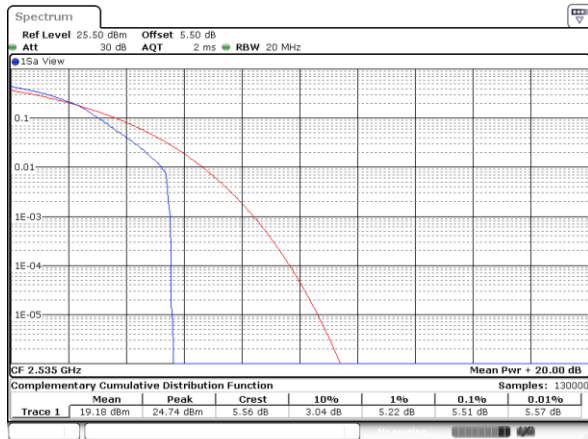
Lowest Channel / 1RB



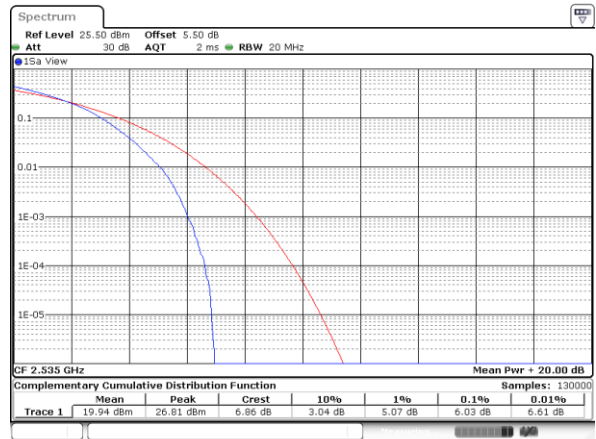
Lowest Channel / Full RB



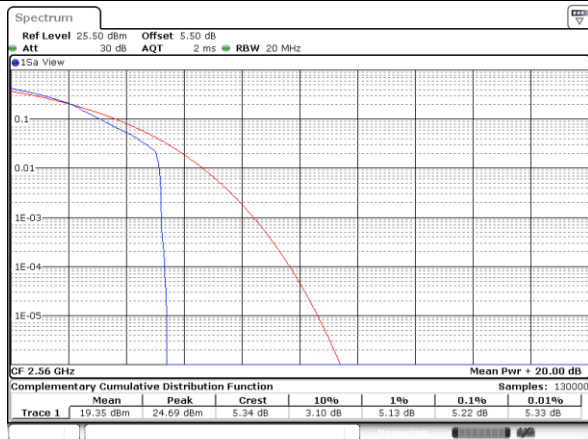
Middle Channel / 1RB



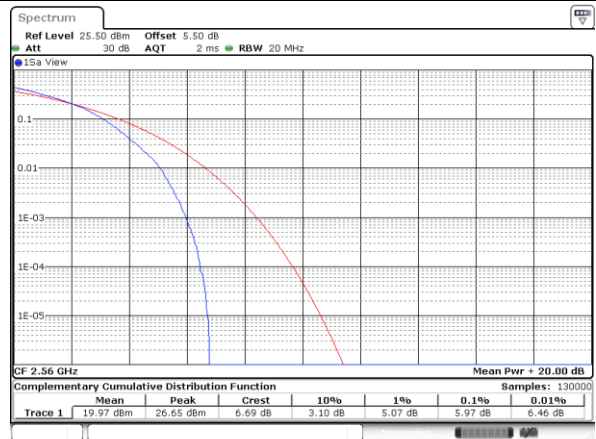
Middle Channel / Full RB



Highest Channel / 1RB



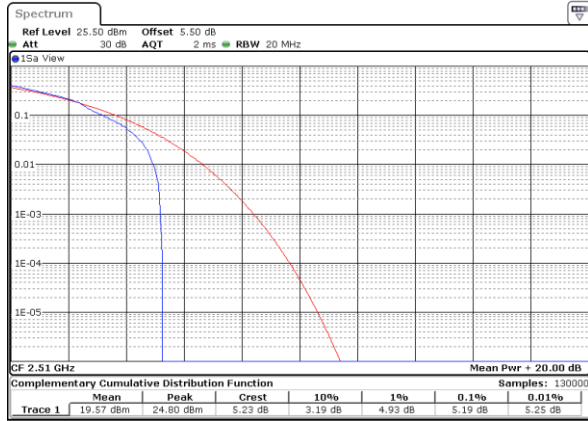
Highest Channel / Full RB



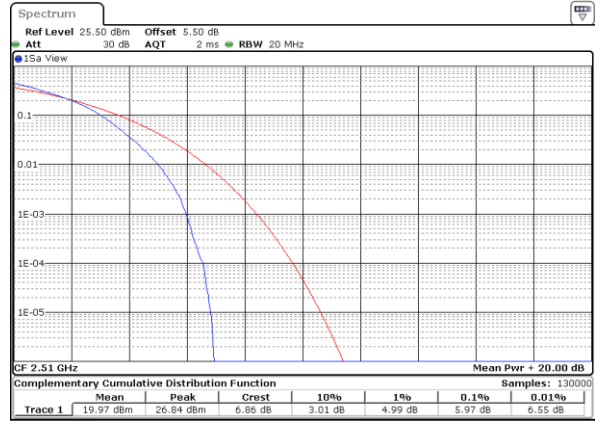


LTE Band 7 / 20MHz / 64QAM

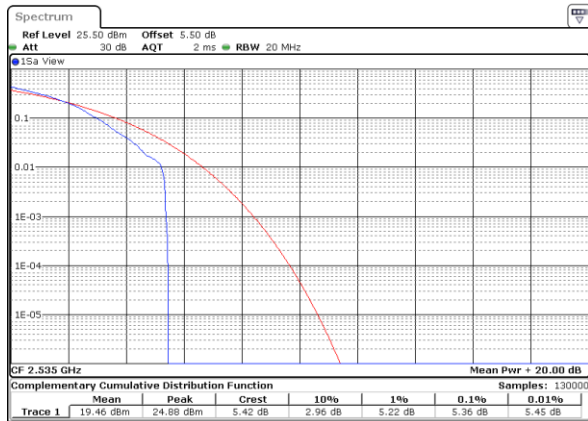
Lowest Channel / 1RB



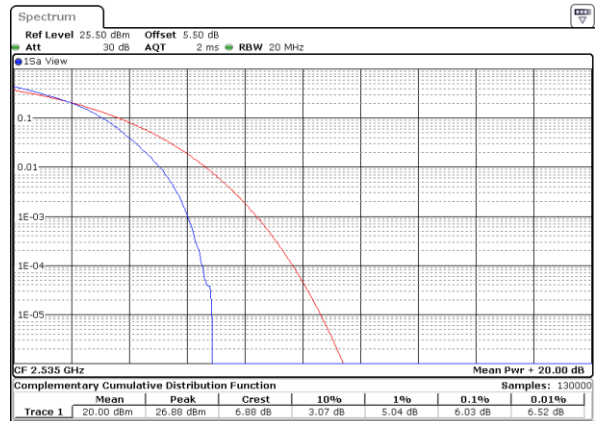
Lowest Channel / Full RB



Middle Channel / 1RB



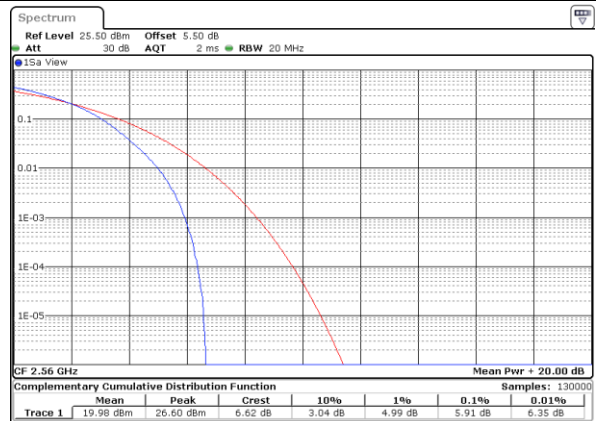
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



**26dB Bandwidth**

Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.91	4.90	9.77	9.61	14.24	14.21	20.26	20.18
Middle CH	-	-	-	-	4.89	4.83	9.81	9.73	14.27	14.27	20.14	20.34
Highest CH	-	-	-	-	4.95	4.88	9.75	9.85	14.42	14.51	20.06	20.06
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.89	-	9.85	-	14.39	-	20.26	-
Middle CH	-	-	-	-	4.90	-	9.75	-	14.33	-	20.06	-
Highest CH	-	-	-	-	4.89	-	9.89	-	14.30	-	20.14	-