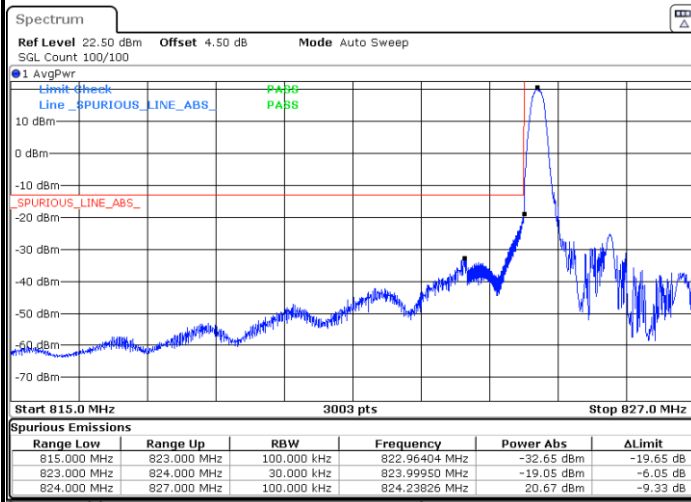




LTE Band 5 / 3MHz / 16QAM

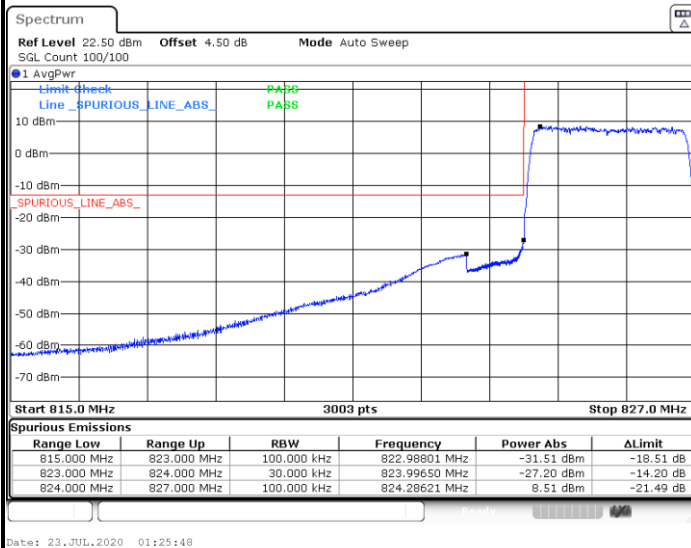
Lowest Band Edge / 1 RB



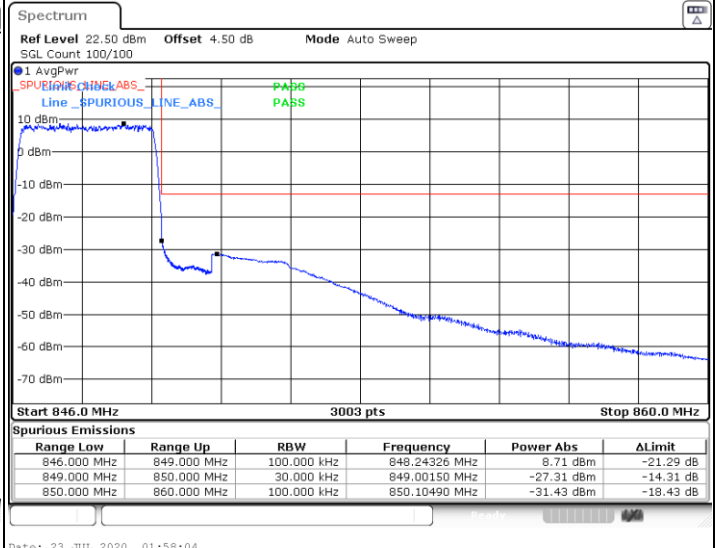
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



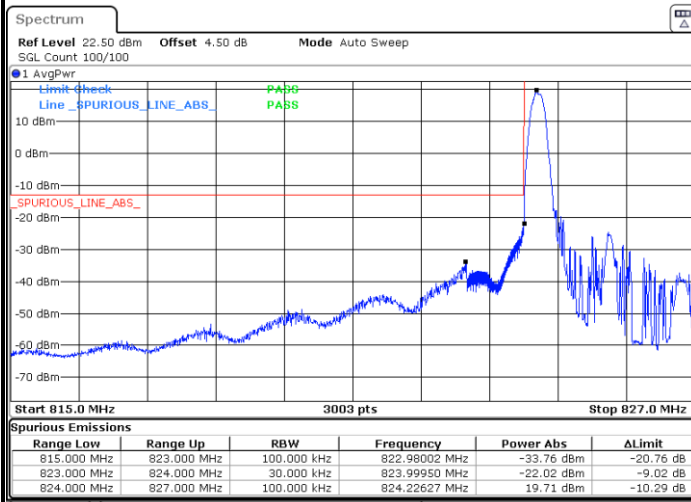
Highest Band Edge / Full RB





LTE Band 5 / 3MHz / 64QAM

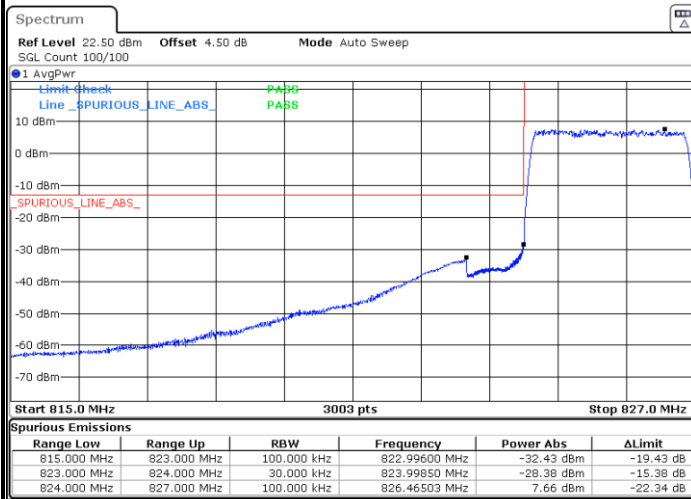
Lowest Band Edge / 1 RB



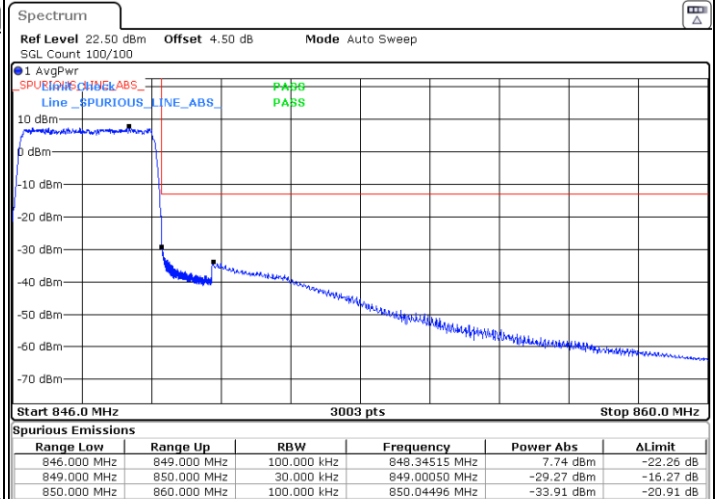
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



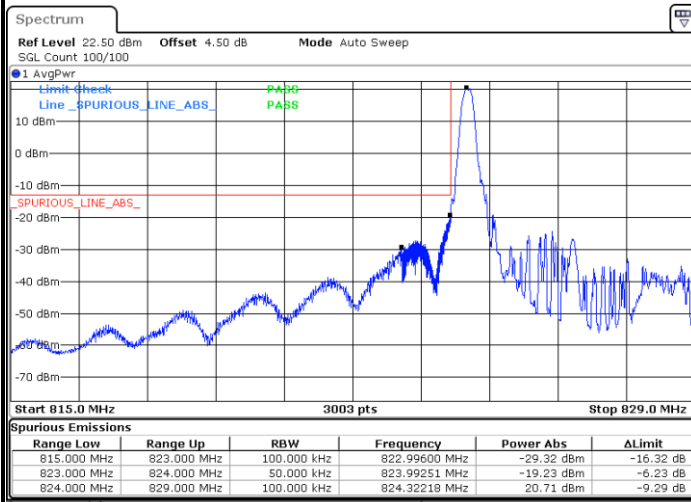
Highest Band Edge / Full RB





LTE Band 5 / 5MHz / QPSK

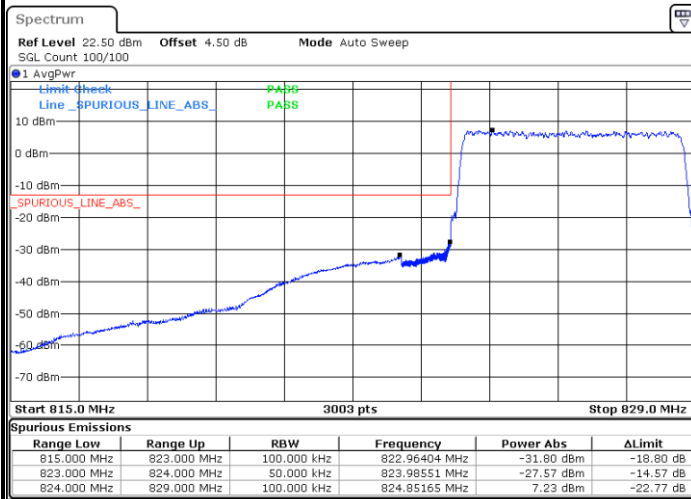
Lowest Band Edge / 1 RB



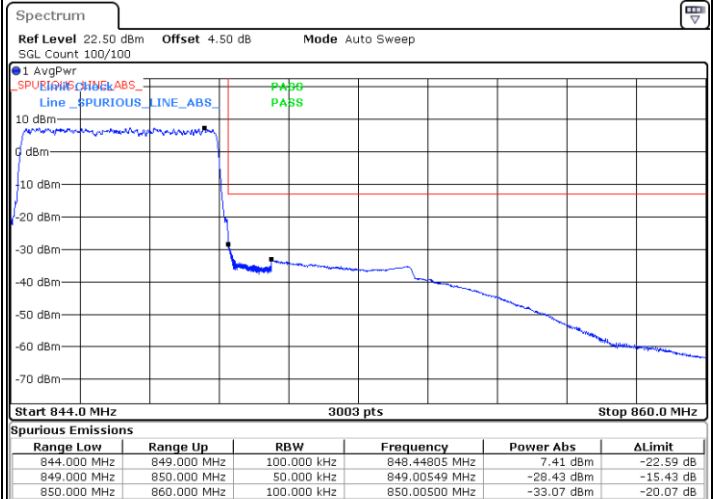
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



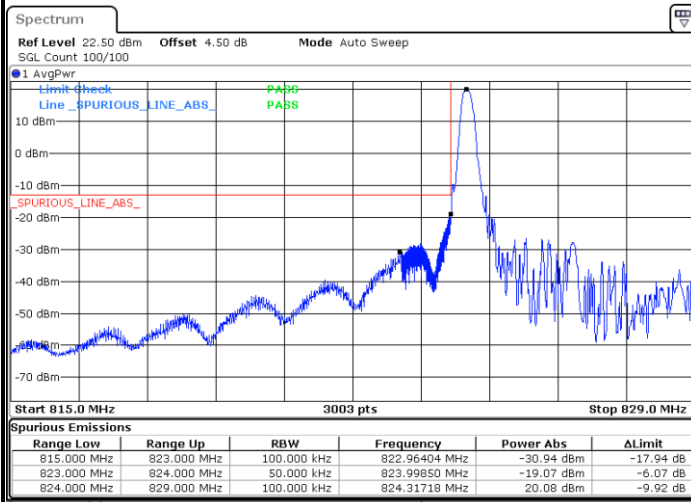
Highest Band Edge / Full RB





LTE Band 5 / 5MHz / 16QAM

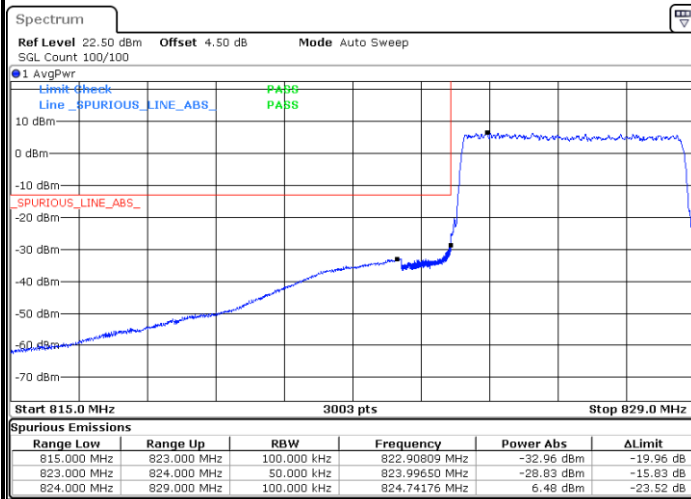
Lowest Band Edge / 1RB



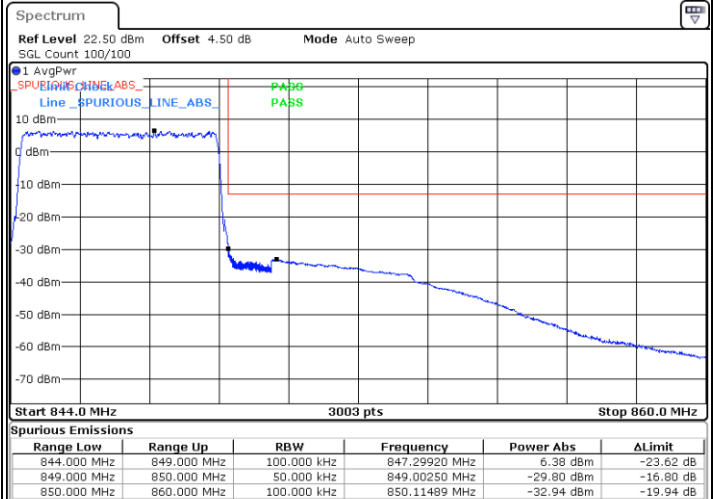
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



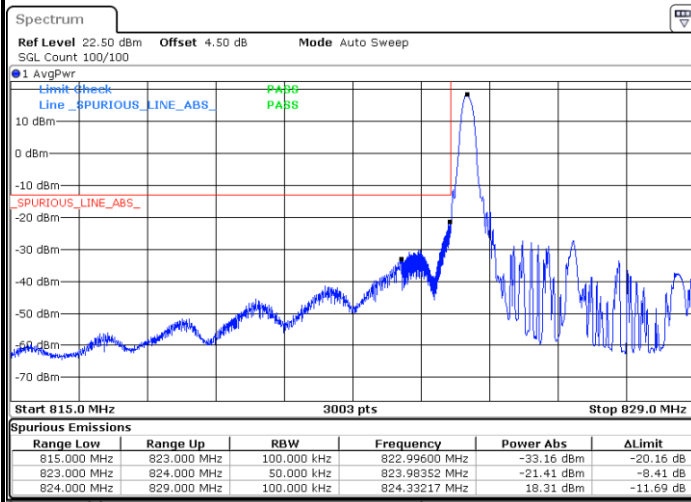
Highest Band Edge / Full RB





LTE Band 5 / 5MHz / 64QAM

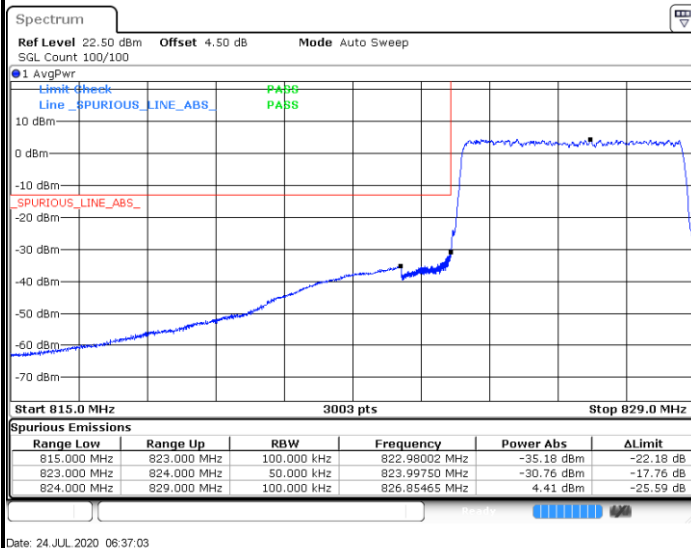
Lowest Band Edge / 1RB



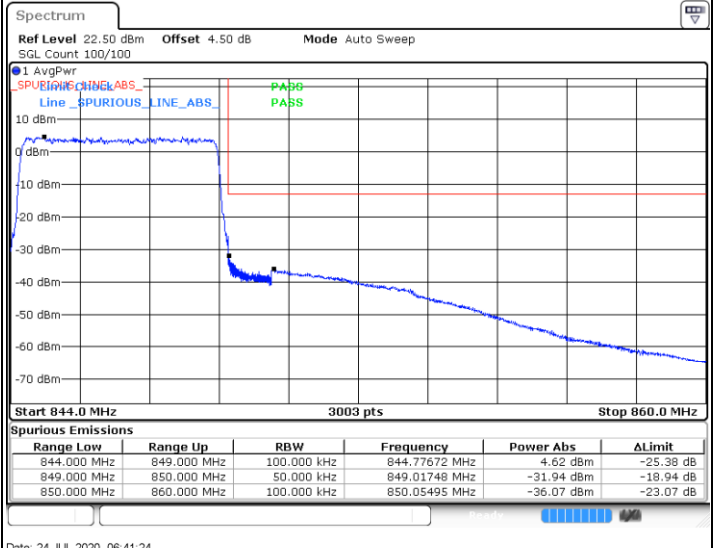
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



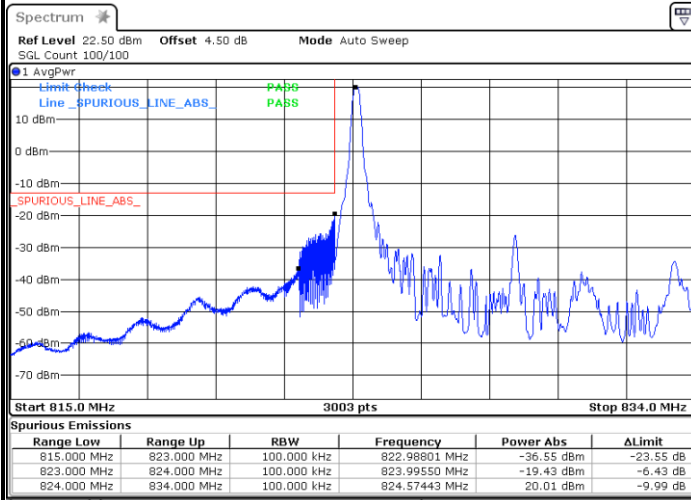
Highest Band Edge / Full RB



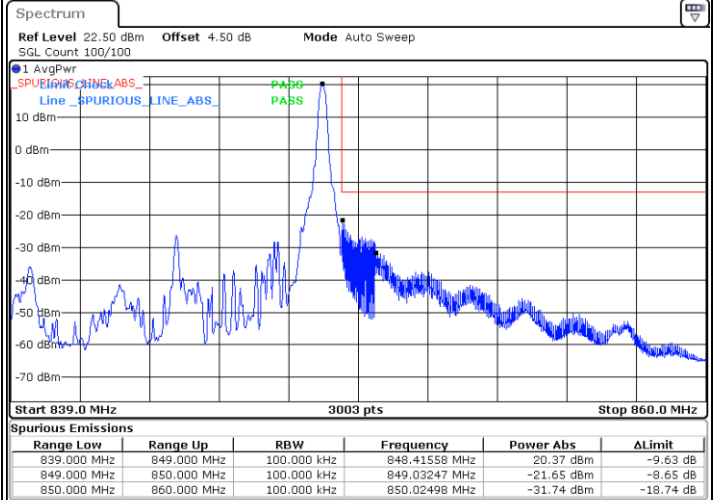


LTE Band 5 / 10MHz / QPSK

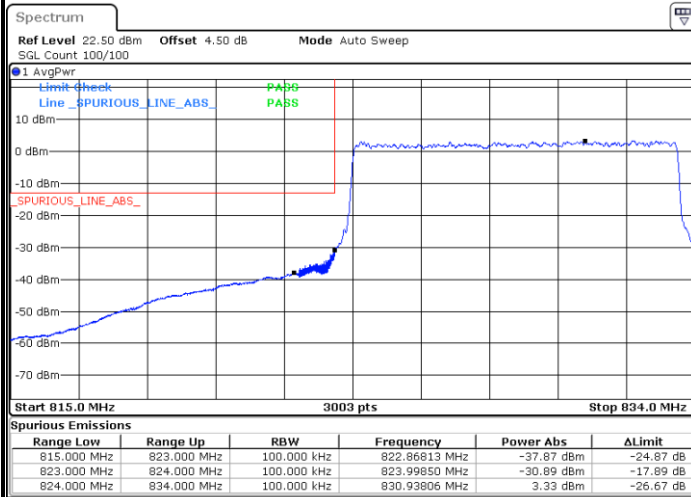
Lowest Band Edge / 1 RB



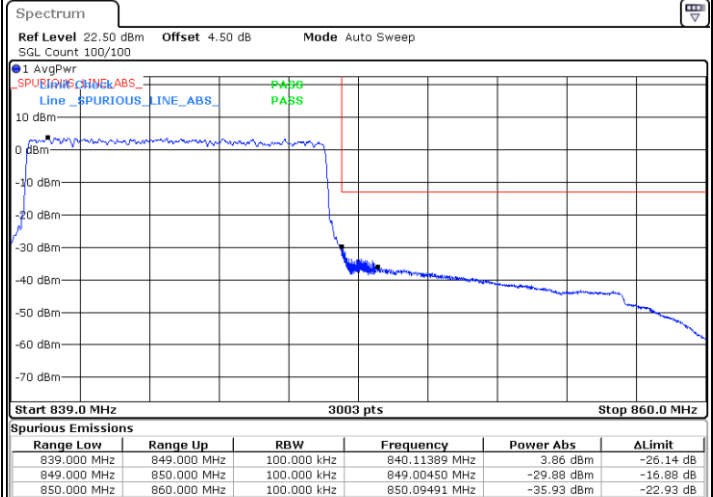
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



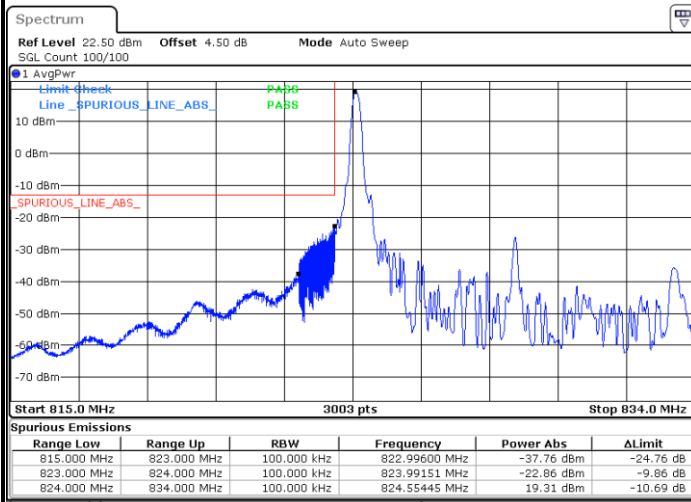
Highest Band Edge / Full RB



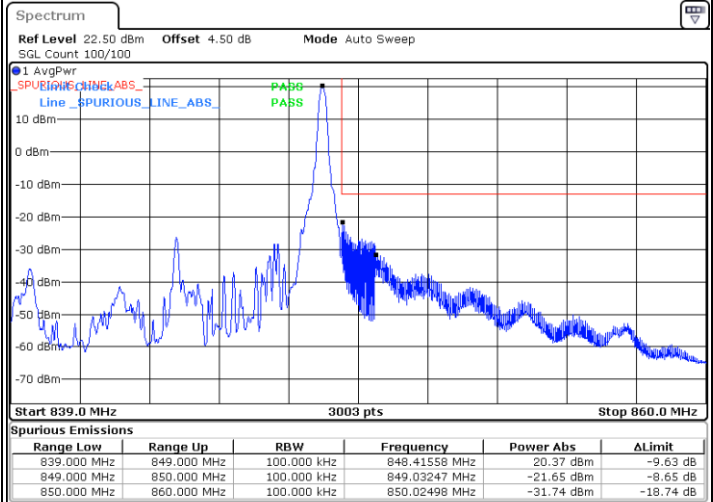


LTE Band 5 / 10MHz / 16QAM

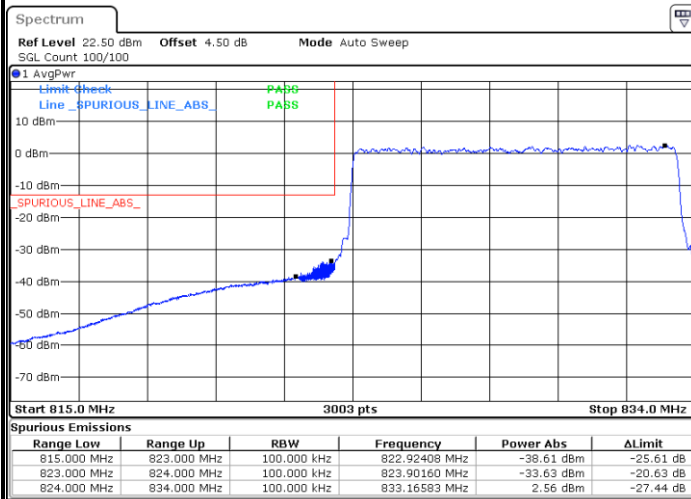
Lowest Band Edge / 1 RB



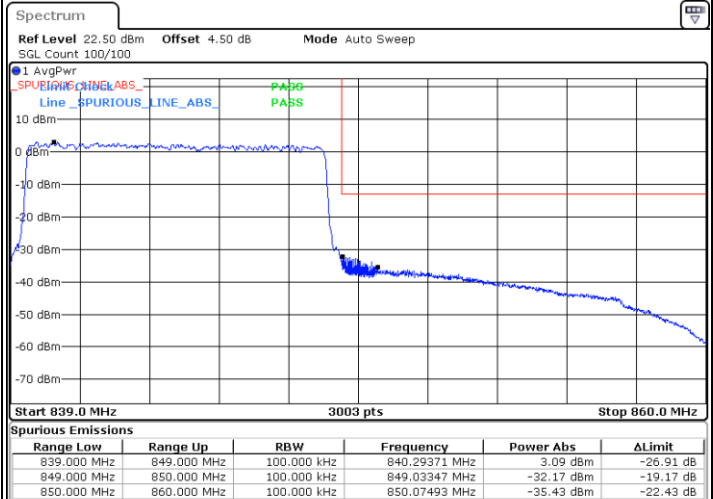
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



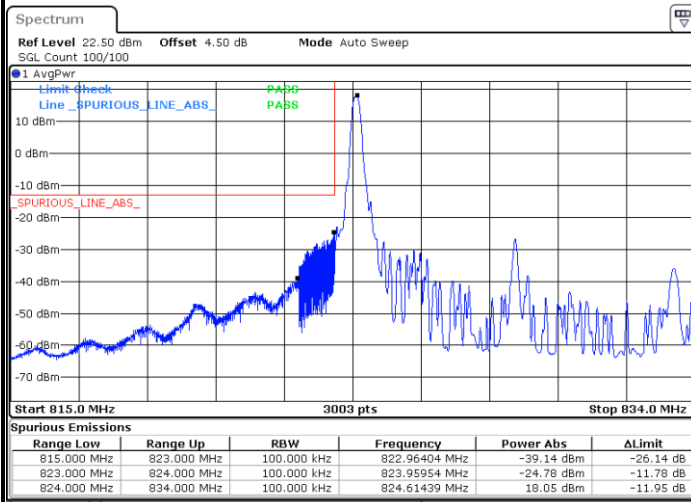
Highest Band Edge / Full RB



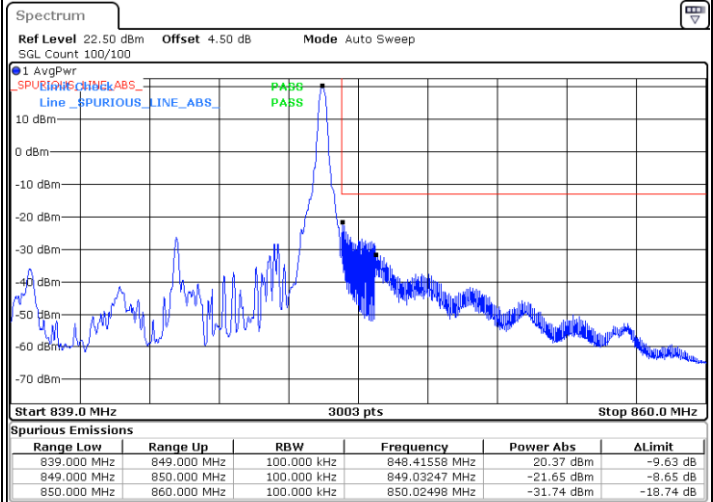


LTE Band 5 / 10MHz / 64QAM

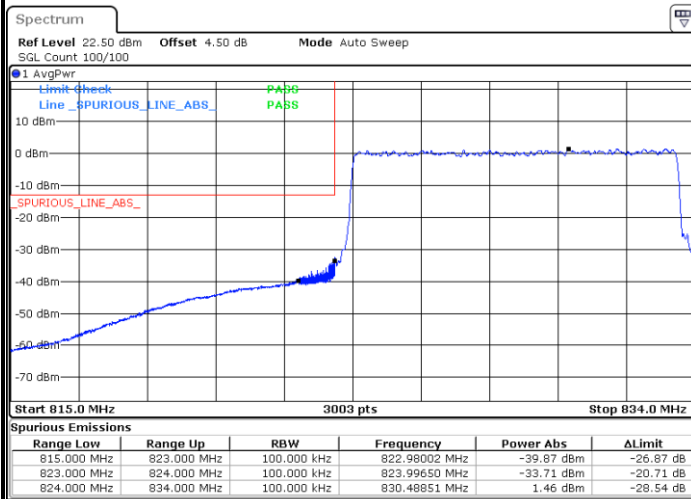
Lowest Band Edge / 1 RB



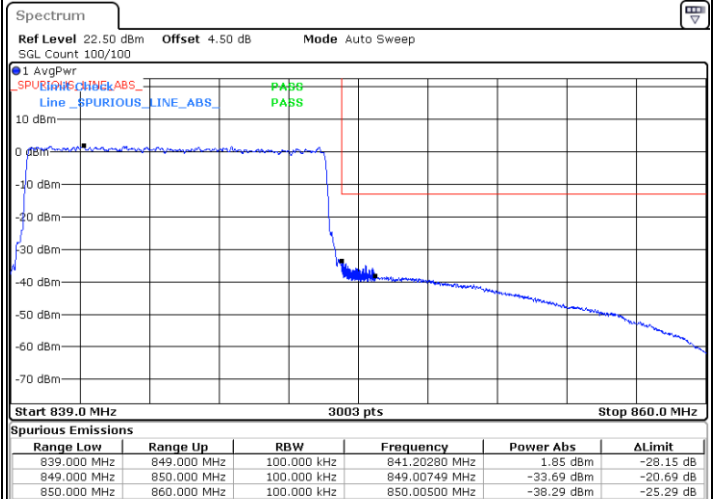
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

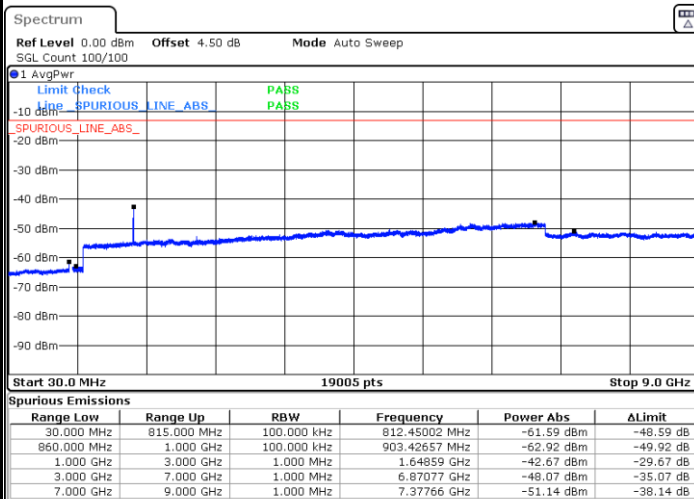




Conducted Spurious Emission

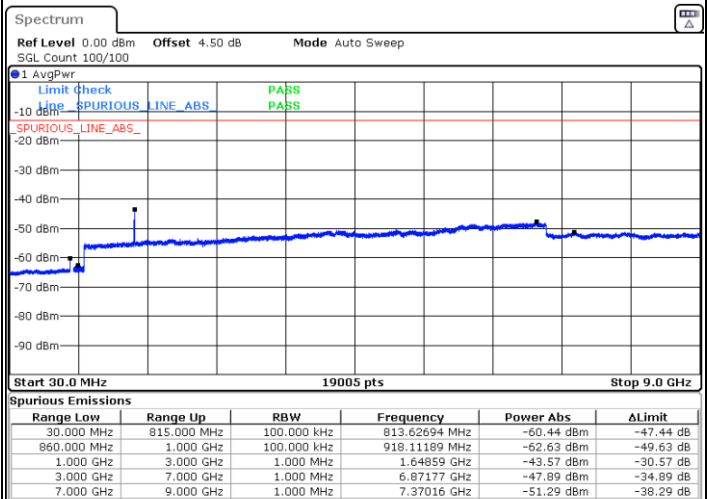
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



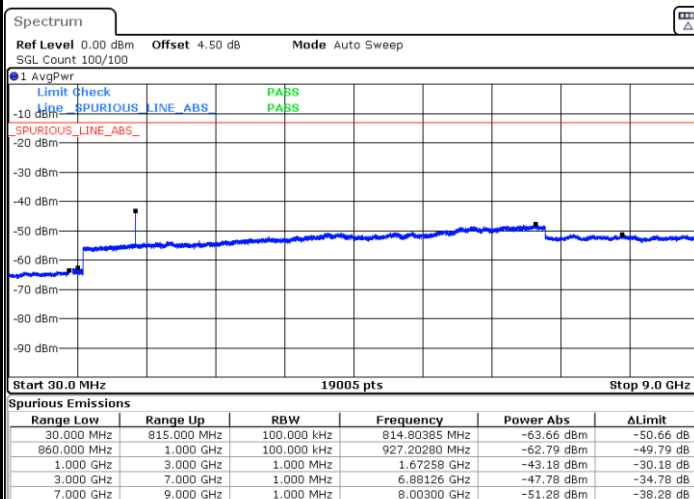
Date: 23.JUL.2020 00:04:35

Lowest Channel / 16QAM



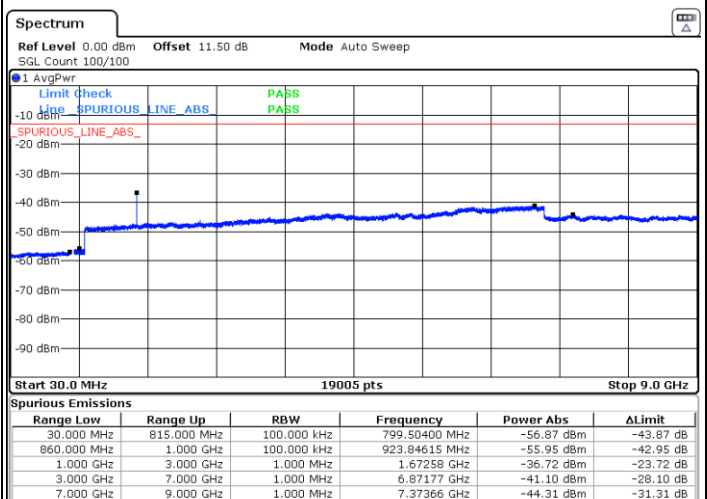
Date: 23.JUL.2020 00:05:31

Middle Channel / QPSK



Date: 23.JUL.2020 00:07:08

Middle Channel / 16QAM

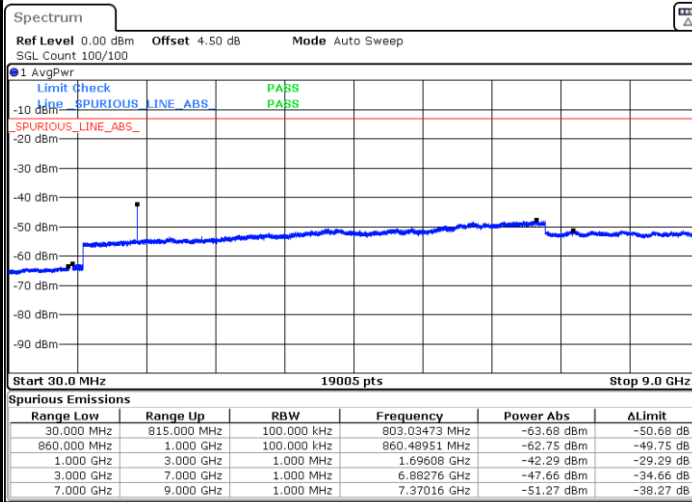


Date: 23.JUL.2020 00:55:59



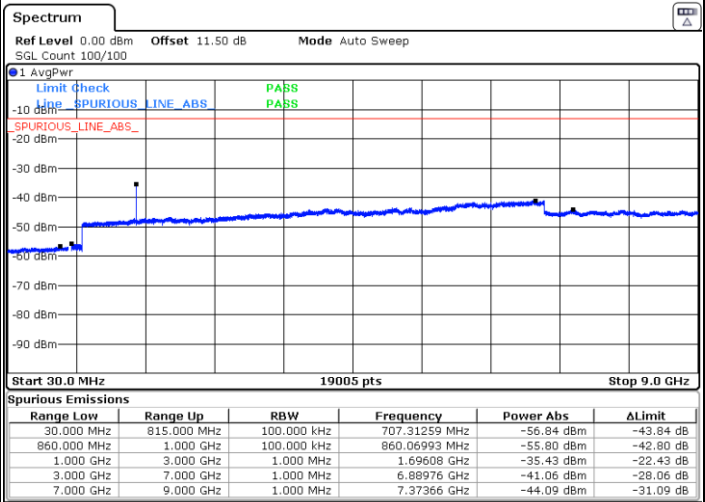
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 23.JUL.2020 00:42:38

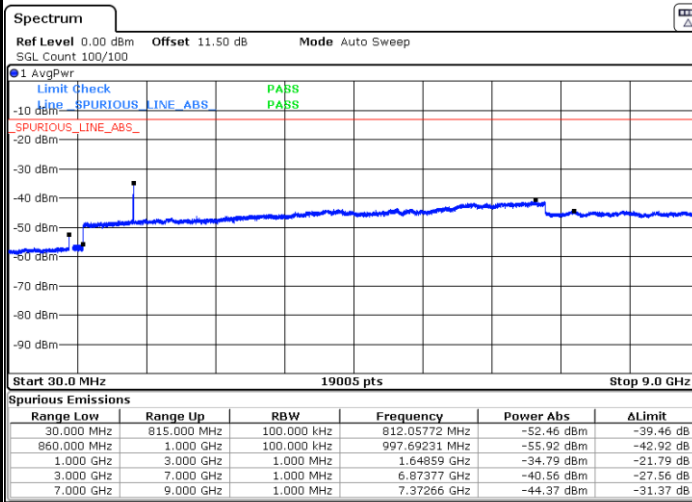
Highest Channel / 16QAM



Date: 23.JUL.2020 00:58:09

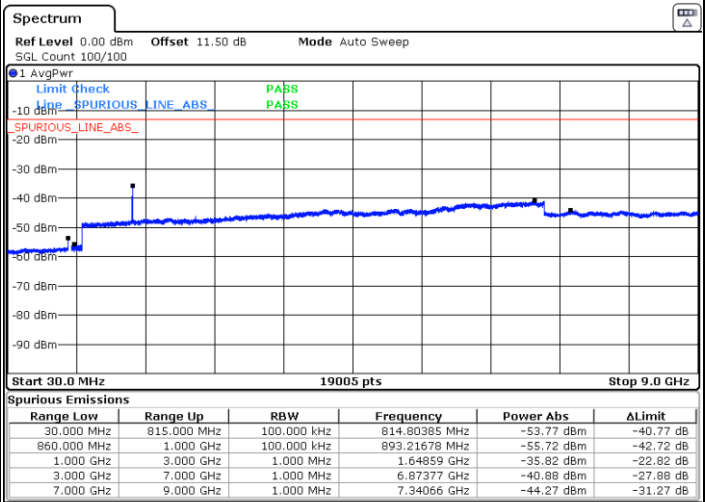
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 23.JUL.2020 01:37:15

Lowest Channel / 16QAM

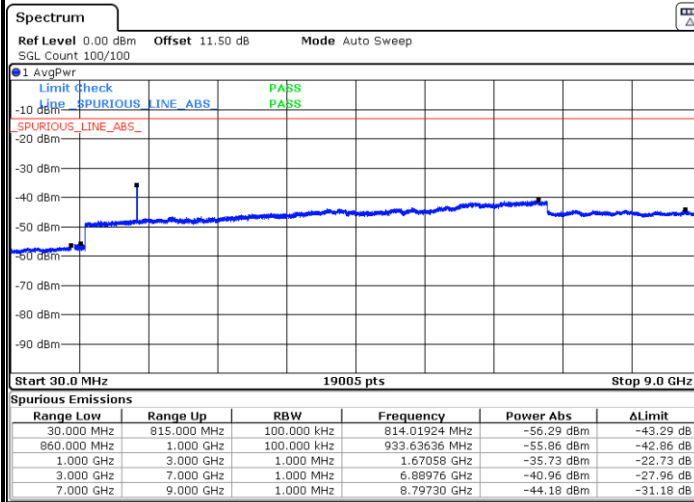


Date: 23.JUL.2020 01:34:03



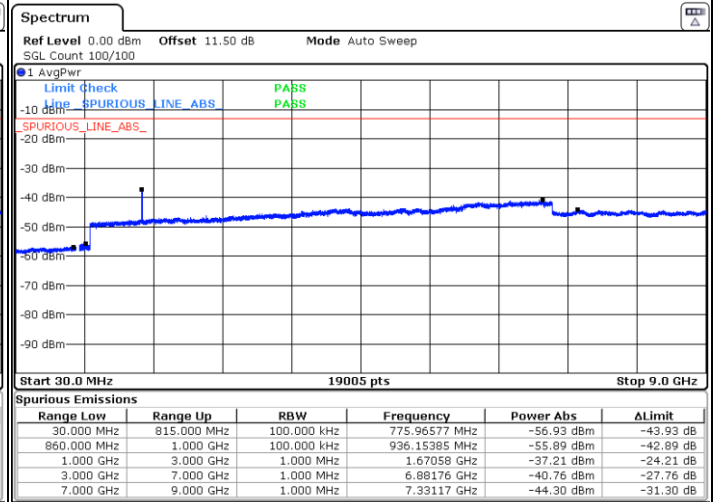
LTE Band 5 / 3MHz

Middle Channel / QPSK



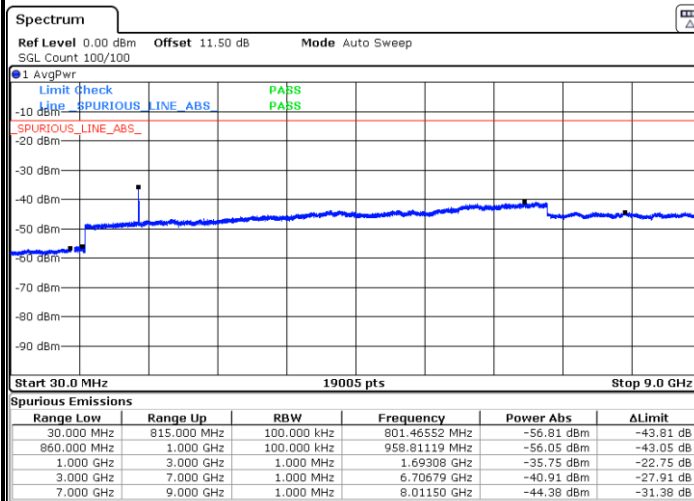
Date: 23.JUL.2020 01:53:49

Middle Channel / 16QAM



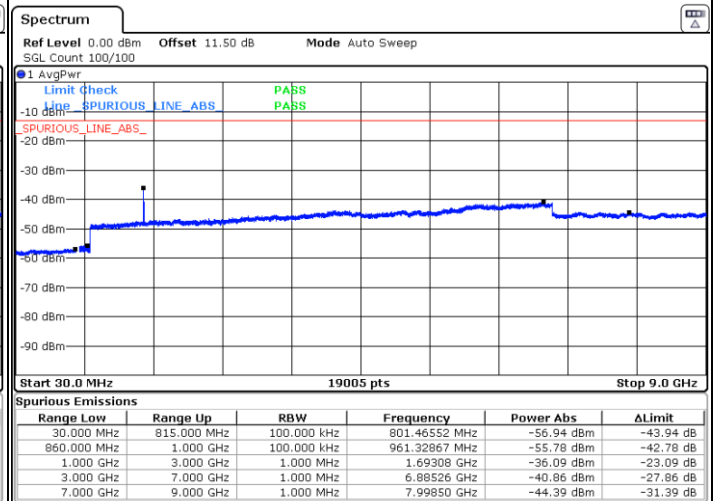
Date: 23.JUL.2020 01:52:11

Highest Channel / QPSK



Date: 23.JUL.2020 02:10:03

Highest Channel / 16QAM

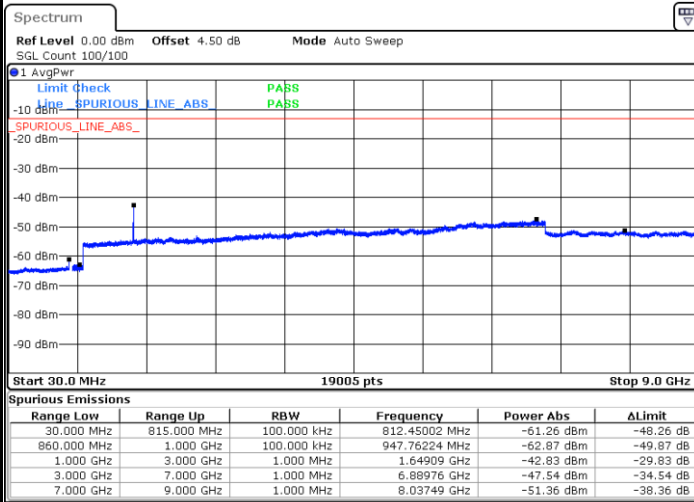


Date: 23.JUL.2020 02:06:28



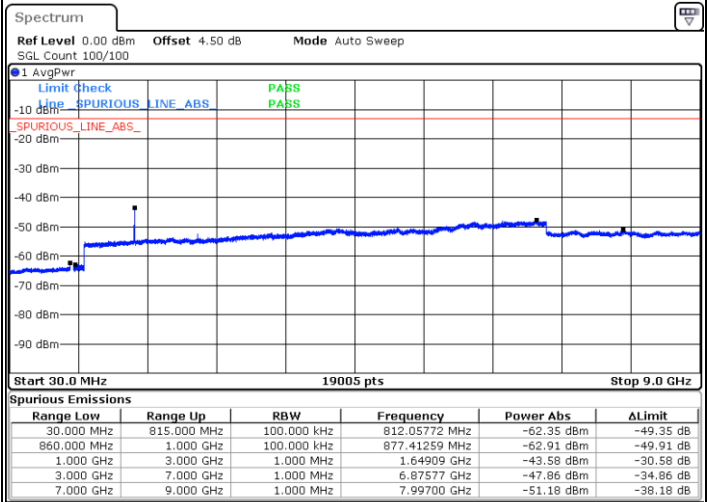
LTE Band 5 / 5MHz

Lowest Channel / QPSK



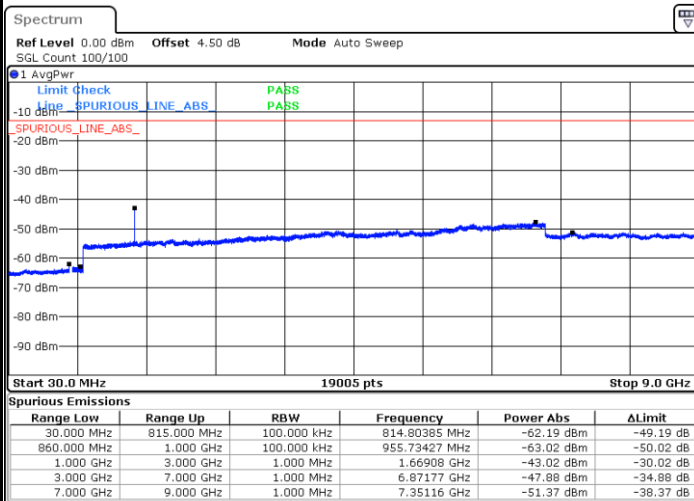
Date: 23.JUL.2020 03:20:33

Lowest Channel / 16QAM



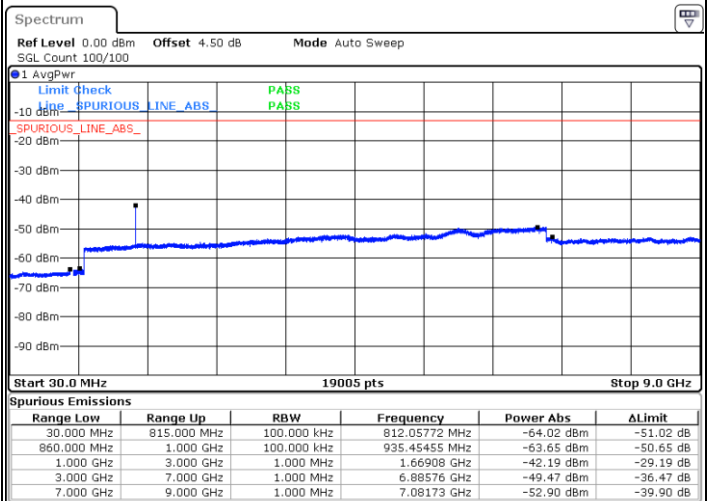
Date: 23.JUL.2020 03:21:28

Middle Channel / QPSK



Date: 23.JUL.2020 03:23:05

Middle Channel / 16QAM

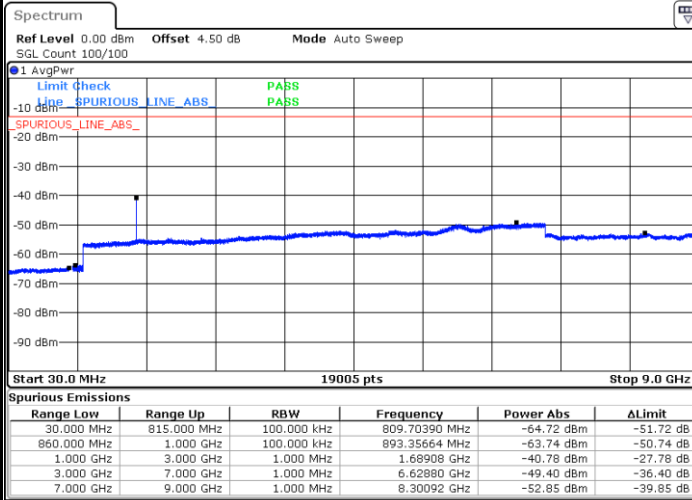


Date: 24.JUL.2020 06:46:32



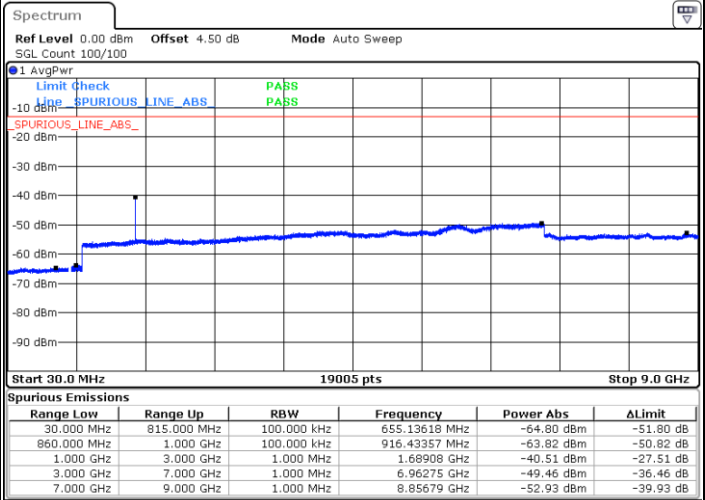
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 24 JUL 2020 06:47:48

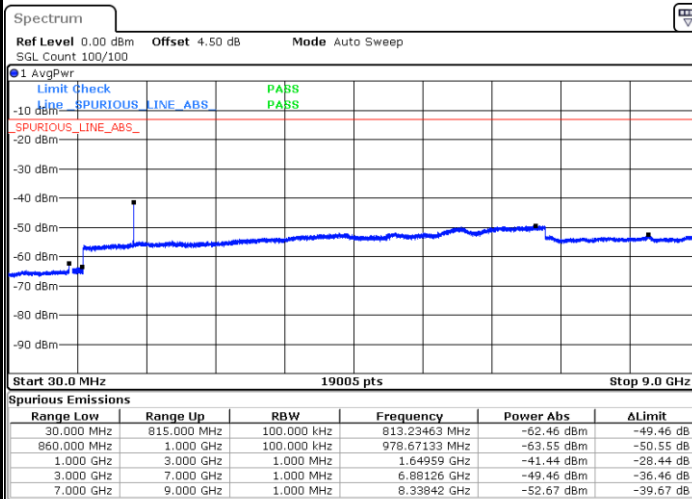
Highest Channel / 16QAM



Date: 24 JUL 2020 06:48:50

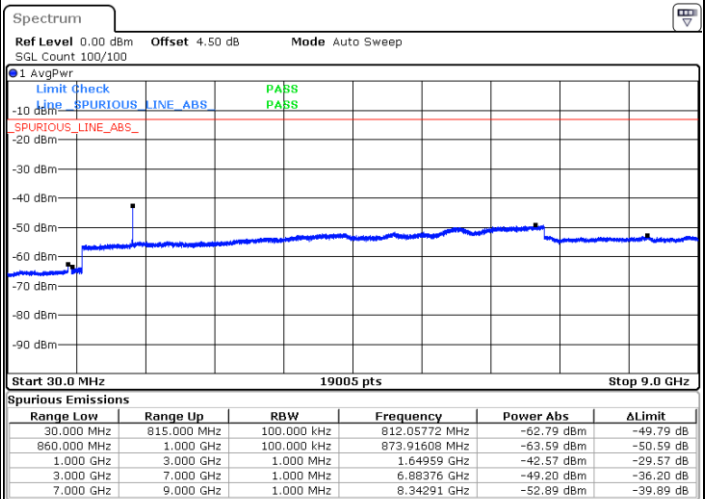
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 24 JUL 2020 07:00:21

Lowest Channel / 16QAM

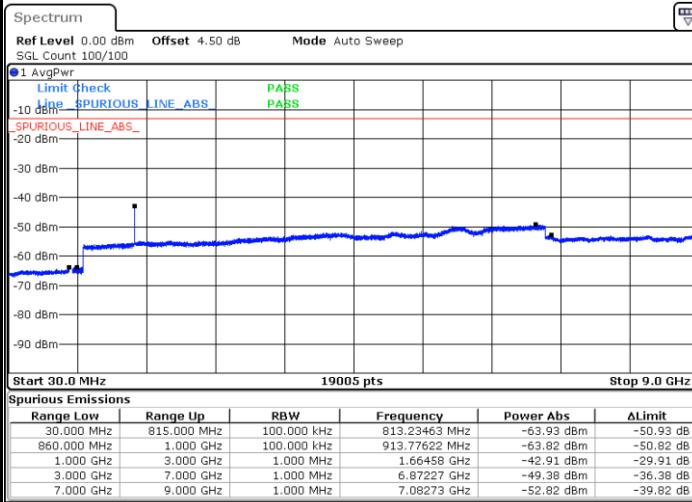


Date: 24 JUL 2020 06:58:08



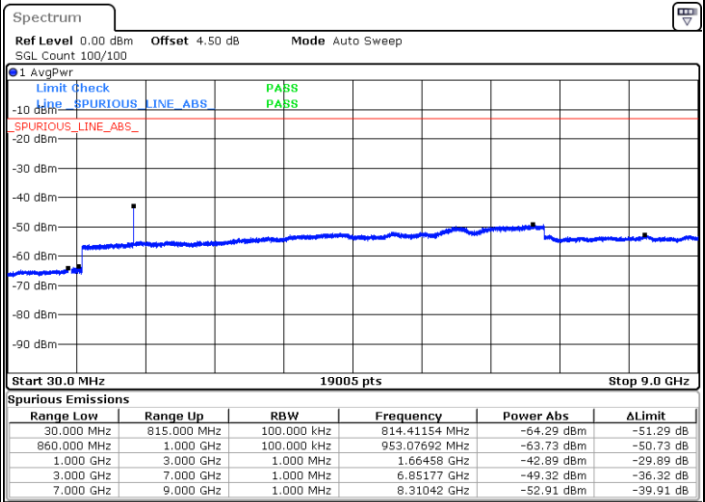
LTE Band 5 / 10MHz

Middle Channel / QPSK



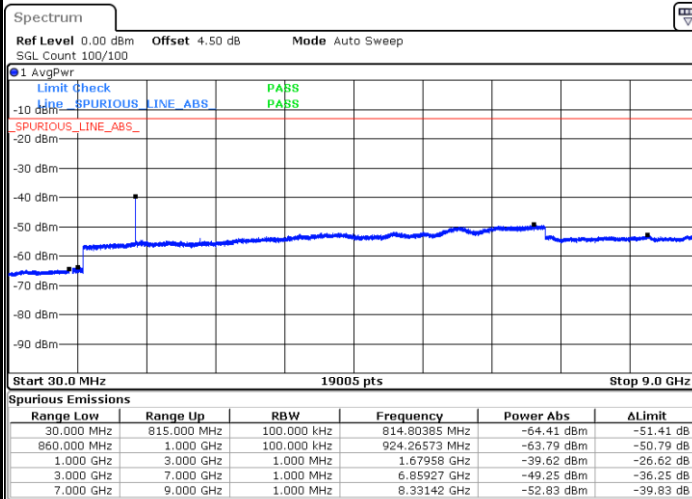
Date: 24 JUL 2020 07:02:08

Middle Channel / 16QAM



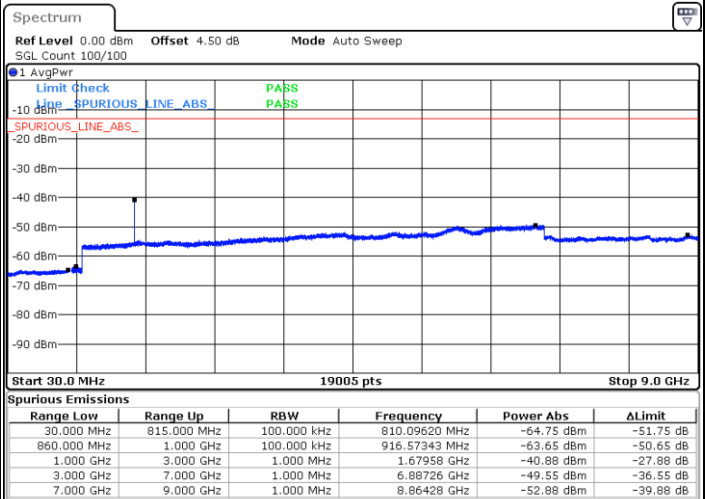
Date: 24 JUL 2020 07:02:38

Highest Channel / QPSK



Date: 24 JUL 2020 07:11:27

Highest Channel / 16QAM

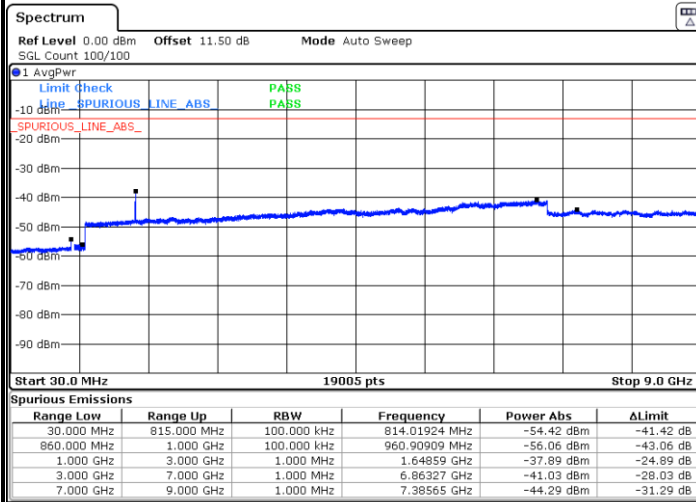


Date: 24 JUL 2020 07:10:58



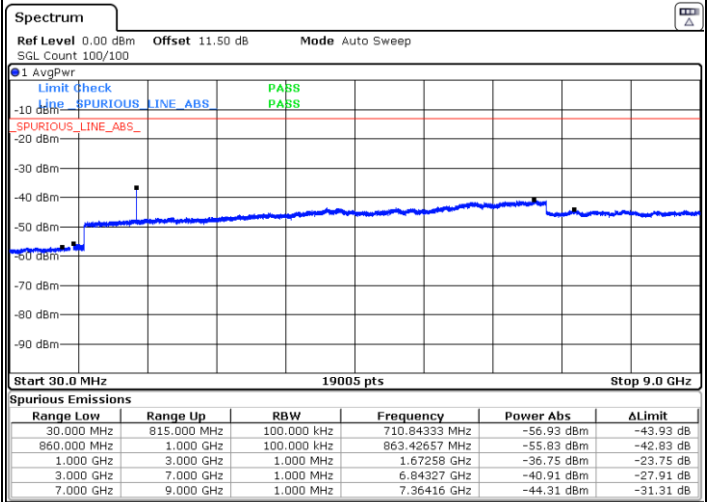
LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM



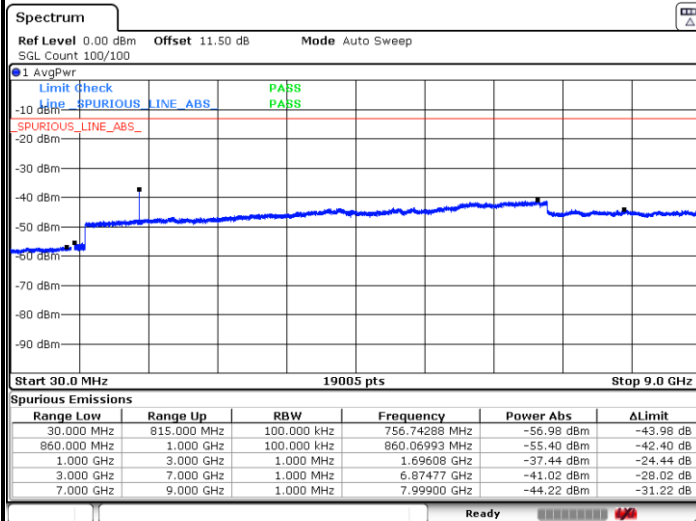
Date: 23.JUL.2020 00:49:08

Middle Channel / 64QAM



Date: 23.JUL.2020 00:52:03

Highest Channel / 64QAM

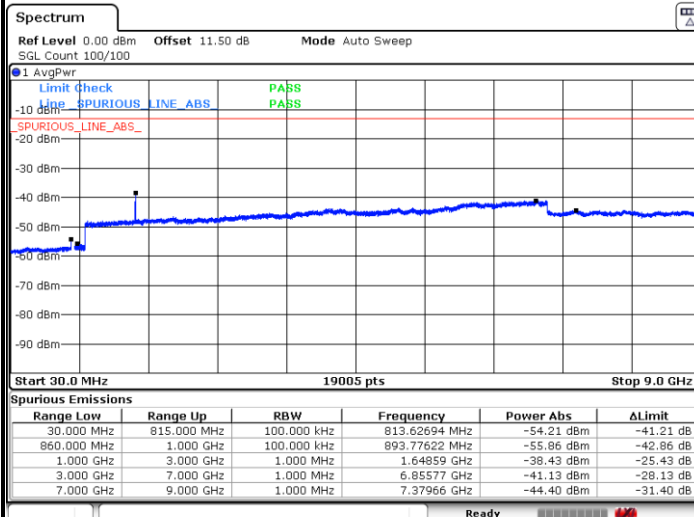


Date: 23.JUL.2020 01:01:47



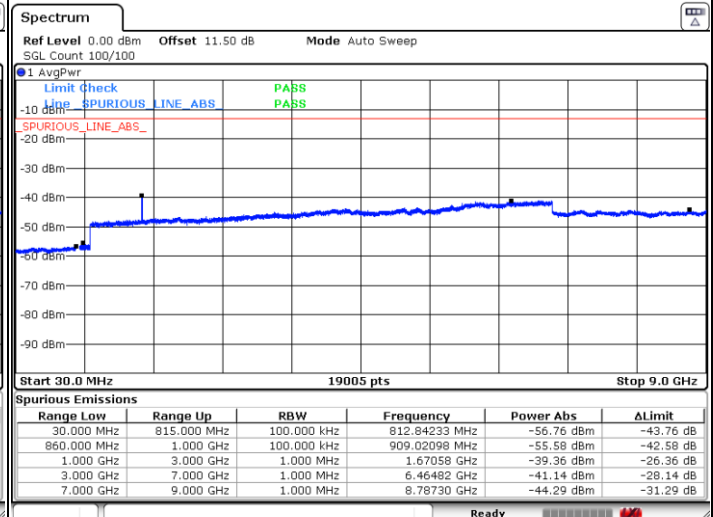
LTE Band 5 / 3MHz

Lowest Channel / 64QAM



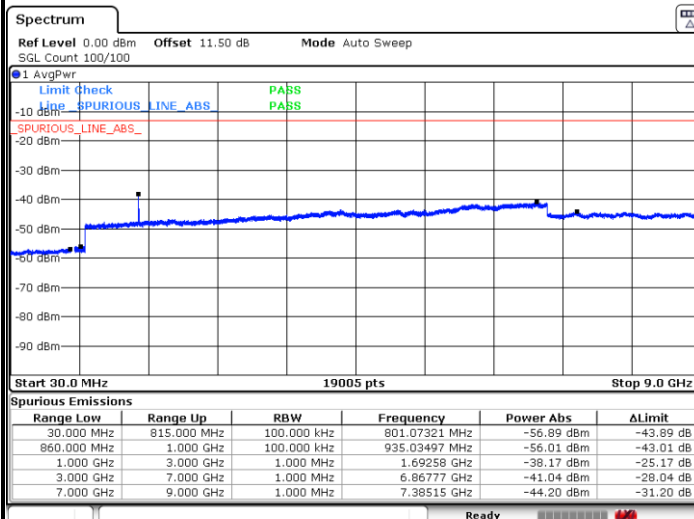
Date: 23.JUL.2020 01:29:22

Middle Channel / 64QAM



Date: 23.JUL.2020 01:49:55

Highest Channel / 64QAM

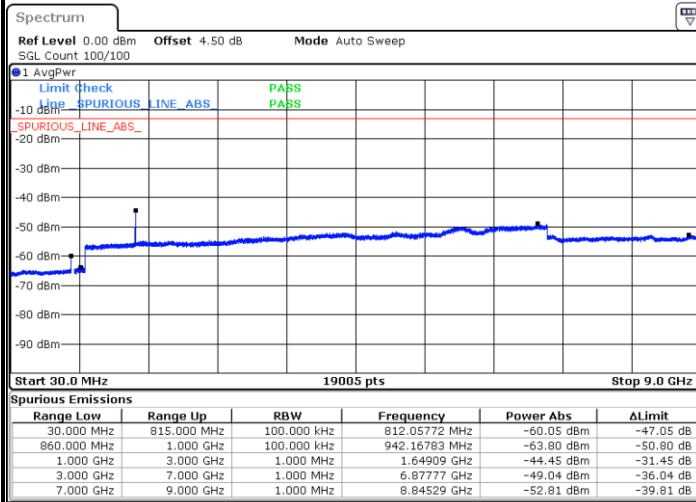


Date: 23.JUL.2020 02:01:57



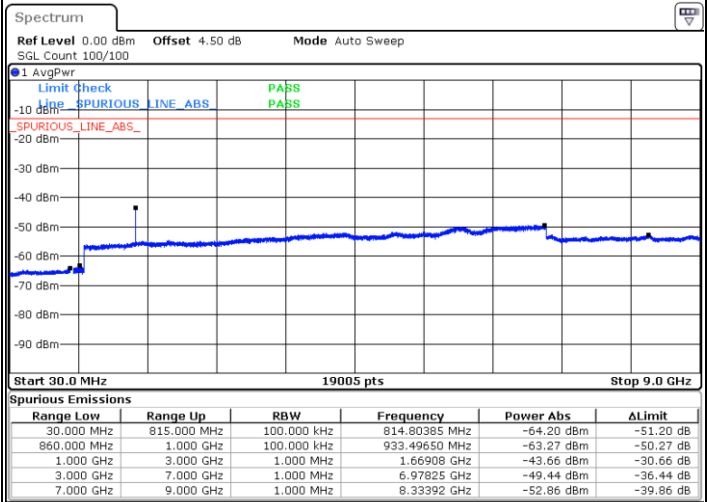
LTE Band 5 / 5MHz

Lowest Channel / 64QAM



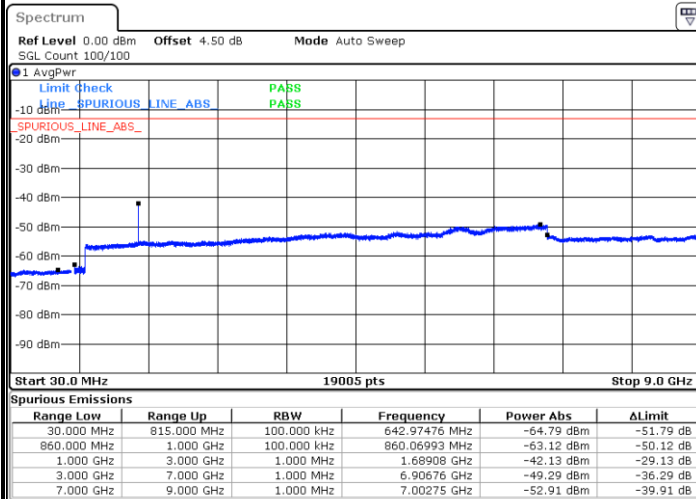
Date: 24 JUL 2020 06:38:24

Middle Channel / 64QAM



Date: 24 JUL 2020 06:39:39

Highest Channel / 64QAM

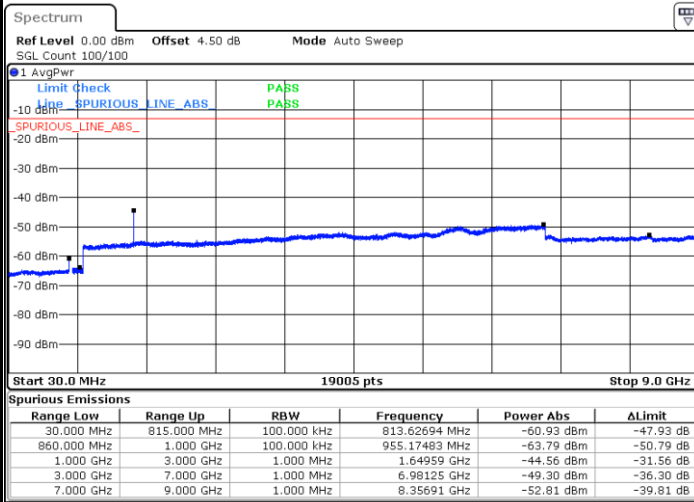


Date: 24 JUL 2020 06:49:44



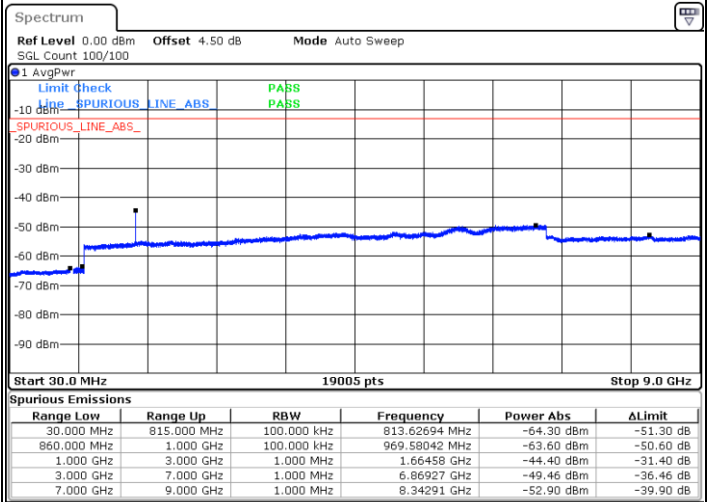
LTE Band 5 / 10MHz

Lowest Channel / 64QAM



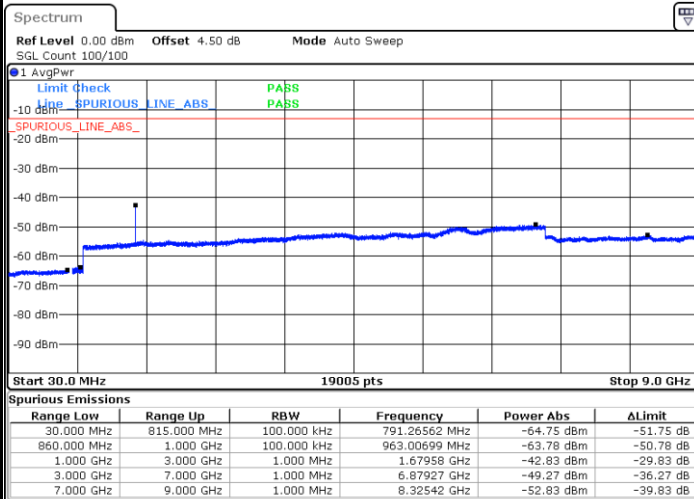
Date: 24 JUL 2020 06:55:54

Middle Channel / 64QAM



Date: 24 JUL 2020 07:03:10

Highest Channel / 64QAM



Date: 24 JUL 2020 07:10:30

**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	0.0010	
20	Maximum Voltage	0.0051	
20	Normal Voltage	0.0060	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

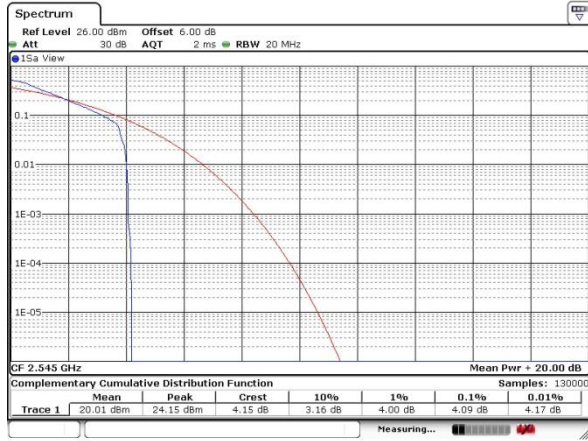
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.09	4.49	5.97	6.67	PASS
Middle CH	4.20	4.96	6.00	6.26	
Highest CH	4.29	5.68	6.72	6.32	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	5.91	6.99	PASS		
Middle CH	5.71	6.20			
Highest CH	6.20	6.99			

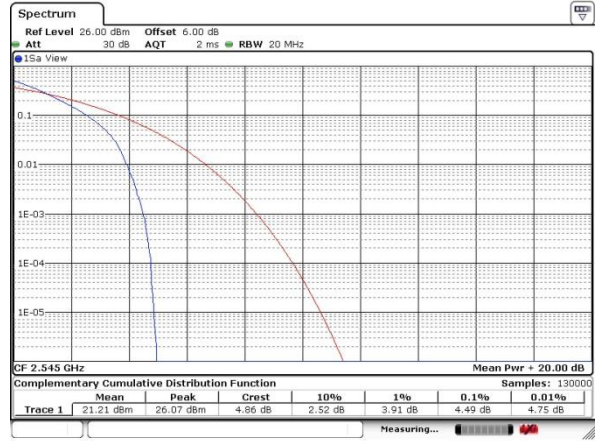


LTE Band 41 / 20MHz / QPSK

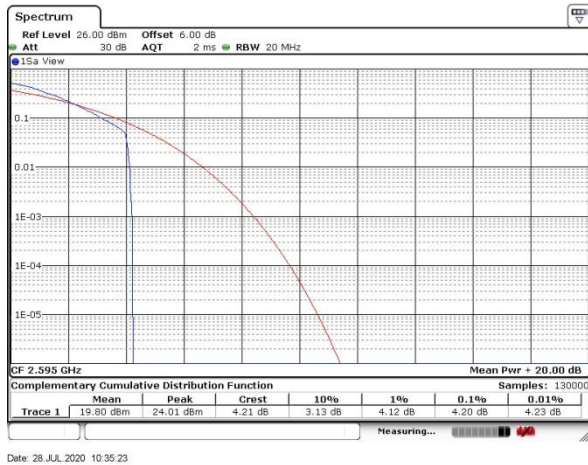
Lowest Channel / 1RB



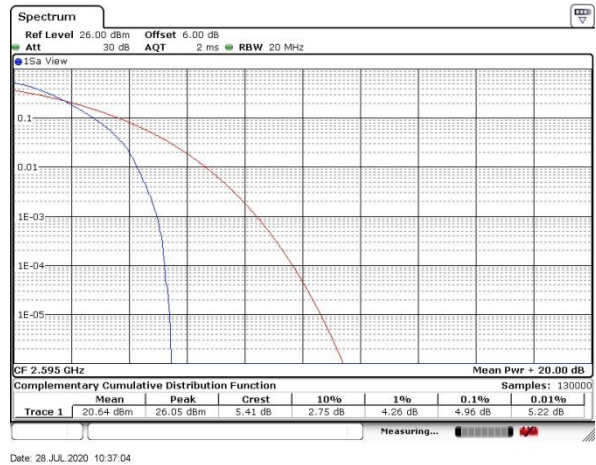
Lowest Channel / Full RB



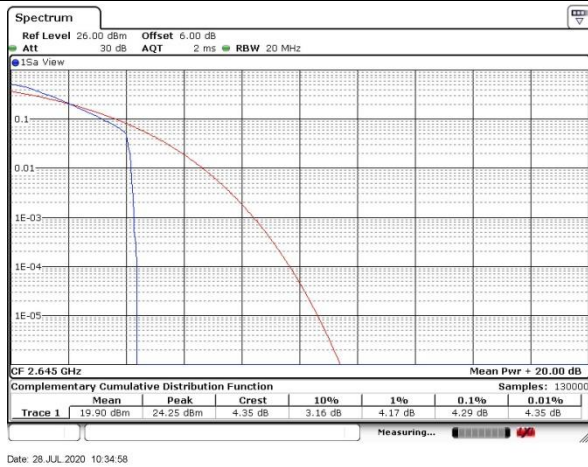
Middle Channel / 1RB



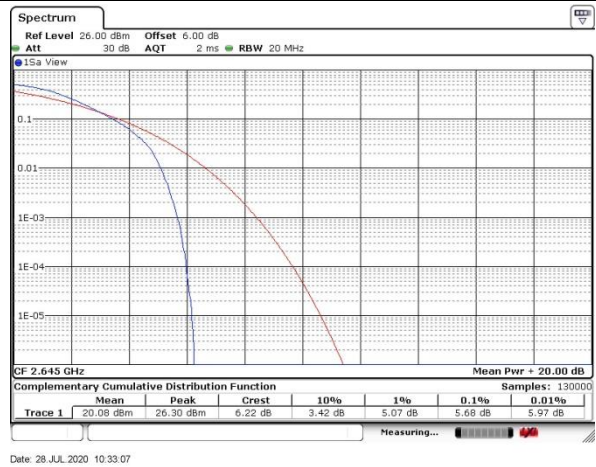
Middle Channel / Full RB



Highest Channel / 1RB

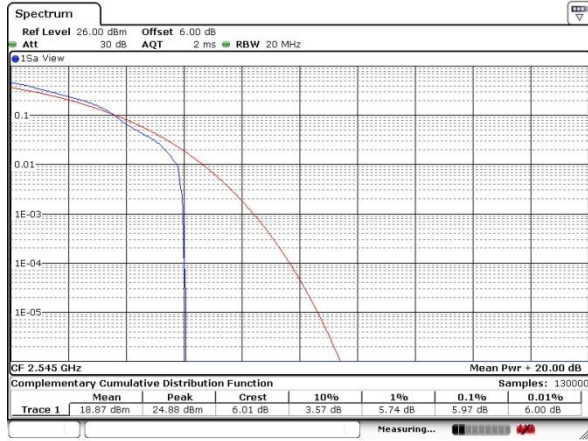


Highest Channel / Full RB

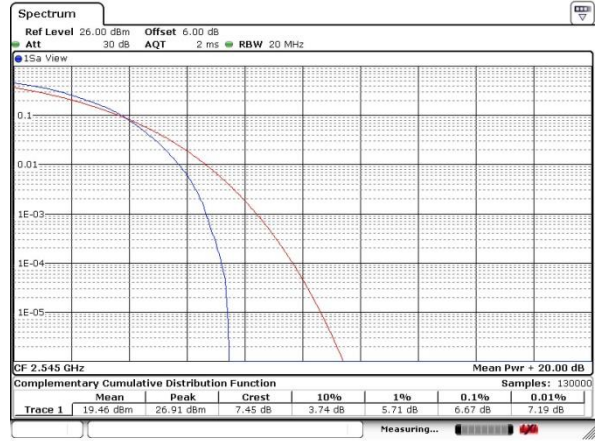


LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



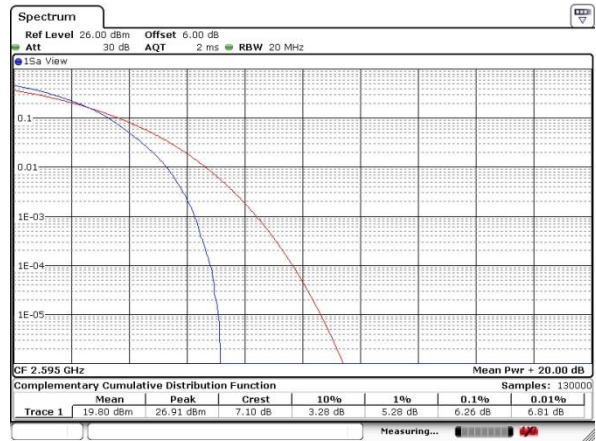
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



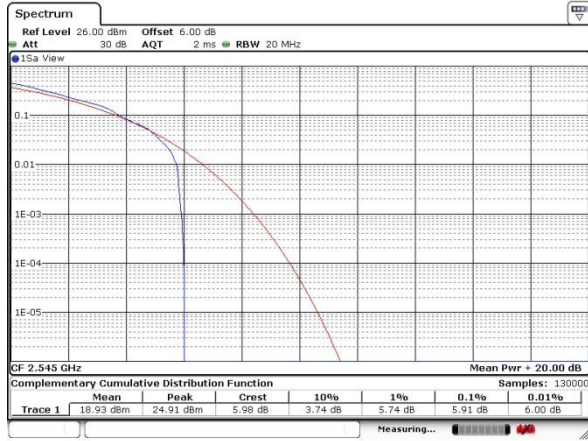
Highest Channel / Full RB



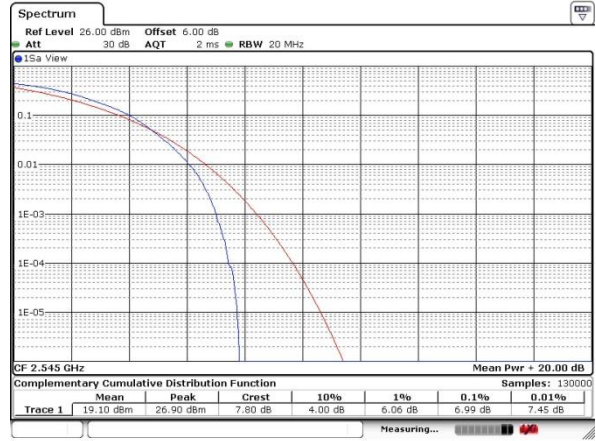


LTE Band 41 / 20MHz / 64QAM

Lowest Channel / 1RB



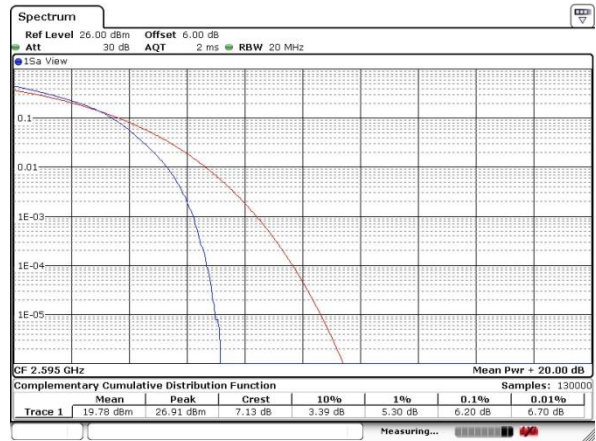
Lowest Channel / Full RB



Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





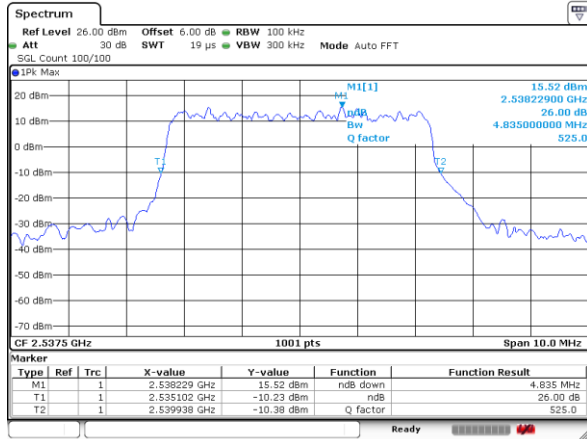
26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.84	4.81	9.67	9.67	14.57	14.51	20.14	20.06	4.86	9.63	14.27	20.06
Middle CH	4.745	4.81	9.75	9.77	14.15	14.12	20.14	20.22	4.70	9.93	14.15	20.10
Highest CH	4.78	4.91	9.83	9.73	14.45	14.12	20.30	20.14	4.81	9.71	14.36	20.10



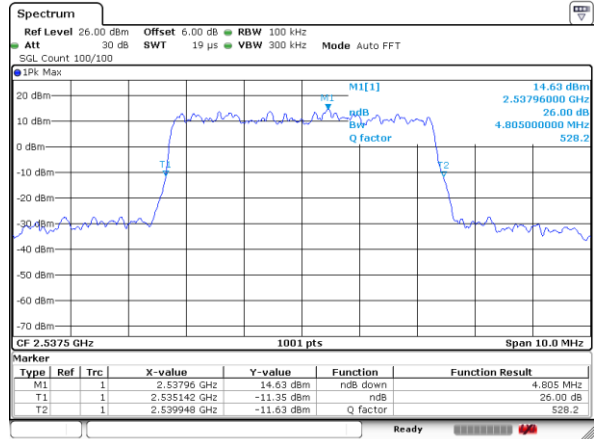
LTE Band 41

Lowest Channel / 5MHz / QPSK



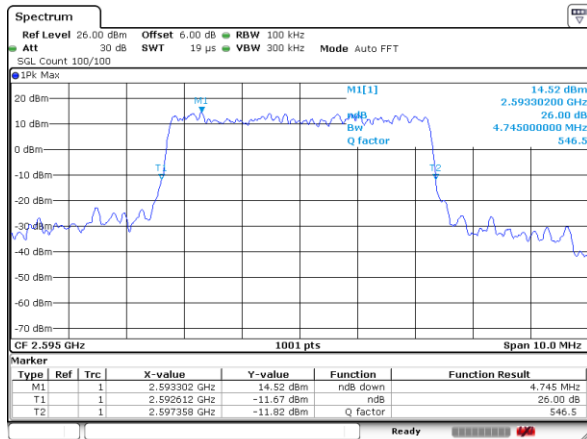
Date: 27.JUL.2020 16:28:00

Lowest Channel / 5MHz / 16QAM



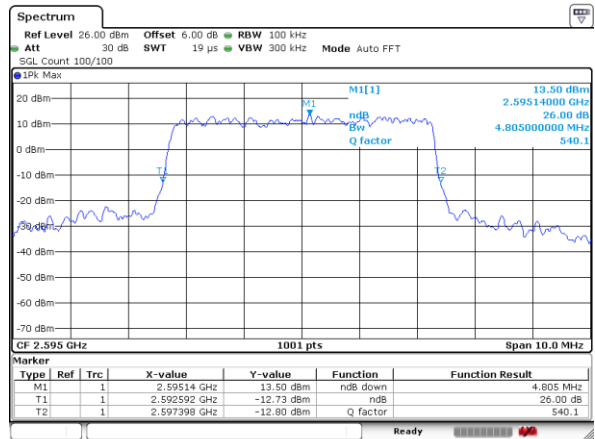
Date: 27.JUL.2020 16:28:17

Middle Channel / 5MHz / QPSK



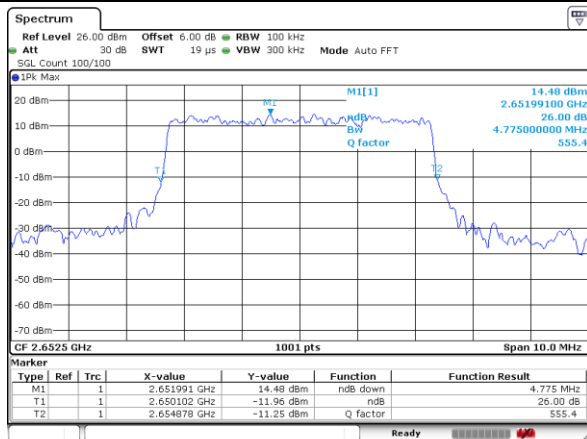
Date: 27.JUL.2020 16:27:32

Middle Channel / 5MHz / 16QAM



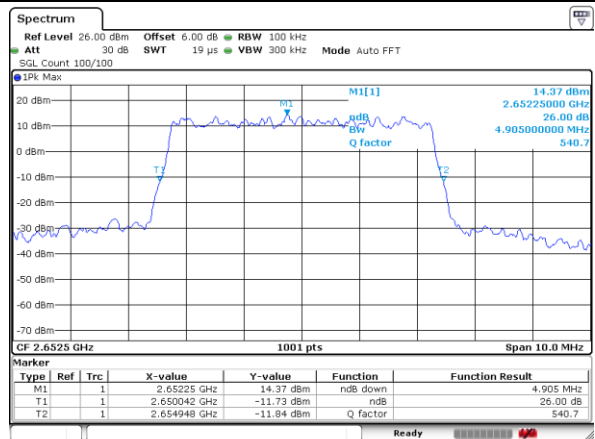
Date: 27.JUL.2020 16:27:12

Highest Channel / 5MHz / QPSK



Date: 27.JUL.2020 16:29:51

Highest Channel / 5MHz / 16QAM

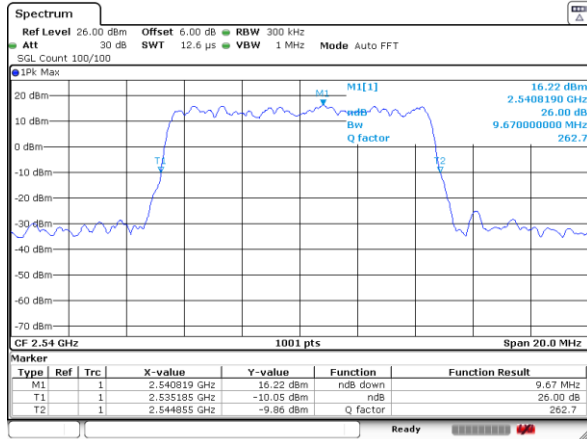


Date: 27.JUL.2020 16:29:37



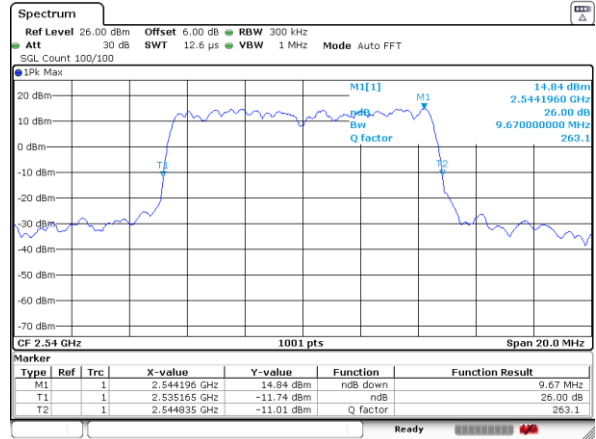
LTE Band 41

Lowest Channel / 10MHz / QPSK



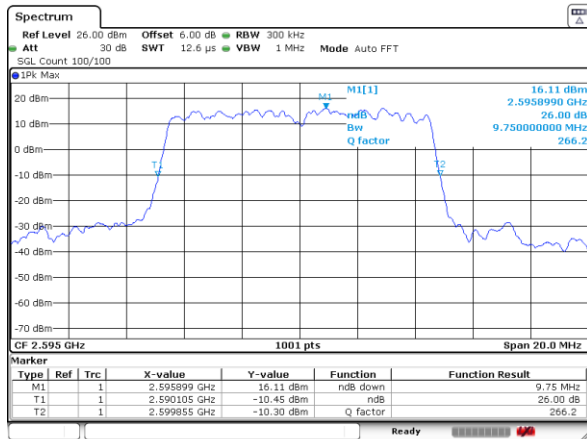
Date: 27.JUL.2020 20:27:26

Lowest Channel / 10MHz / 16QAM



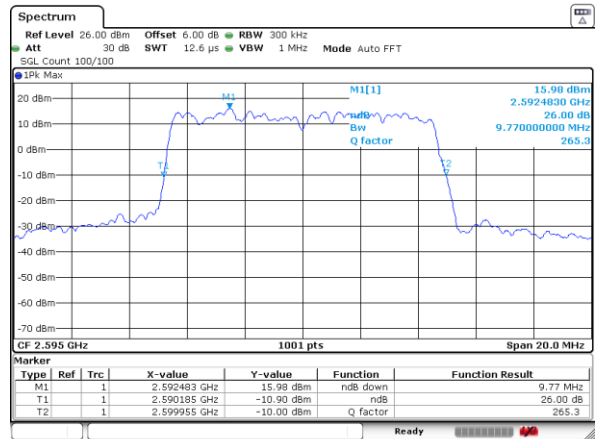
Date: 27.JUL.2020 20:27:13

Middle Channel / 10MHz / QPSK



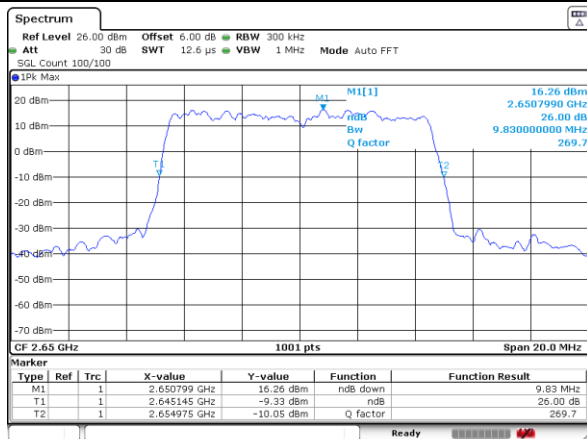
Date: 27.JUL.2020 20:26:00

Middle Channel / 10MHz / 16QAM



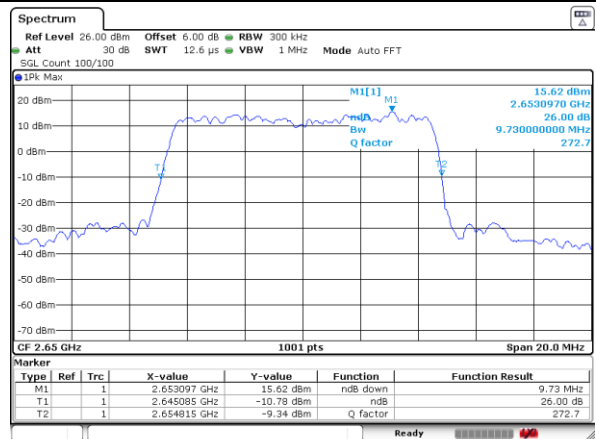
Date: 27.JUL.2020 20:26:13

Highest Channel / 10MHz / QPSK



Date: 27.JUL.2020 20:25:43

Highest Channel / 10MHz / 16QAM



Date: 27.JUL.2020 20:25:23