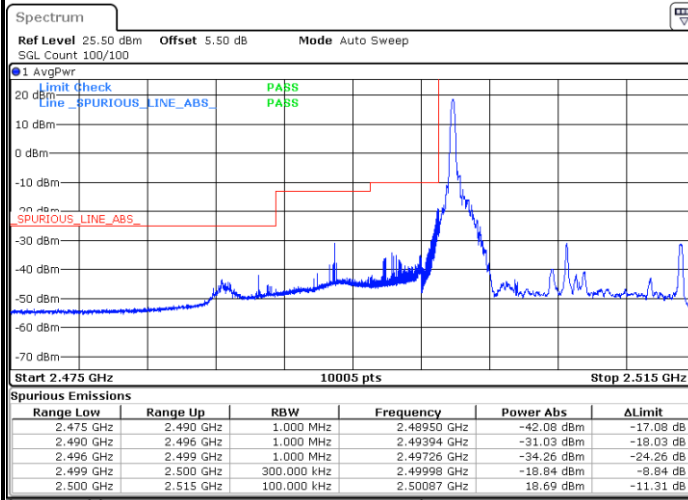


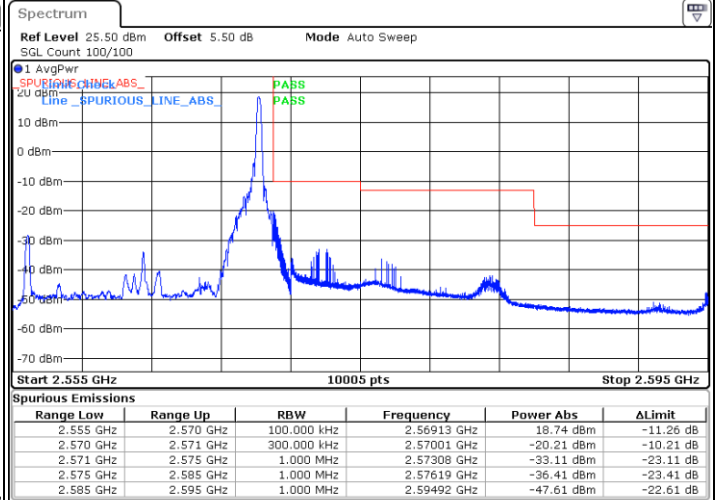


LTE Band 7 / 15MHz / 16QAM

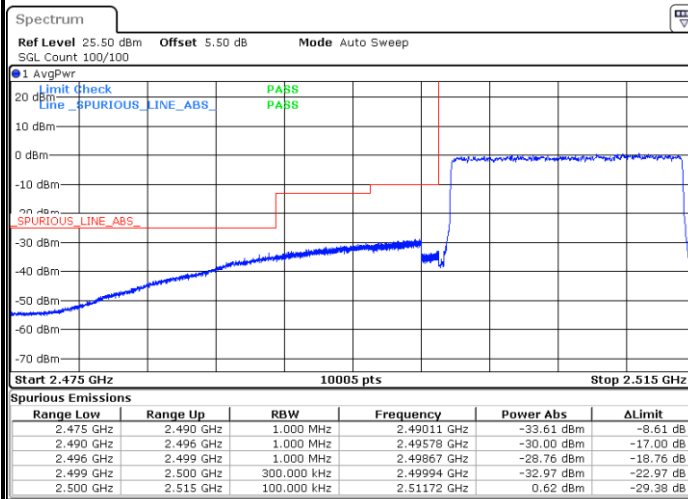
Lowest Band Edge / 1 RB



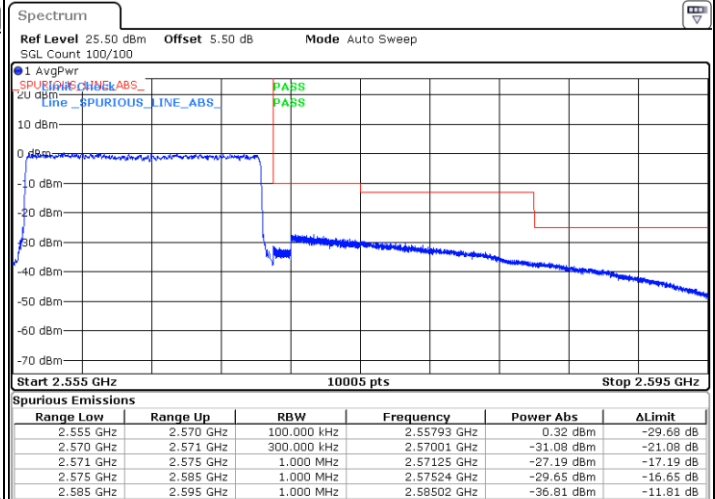
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



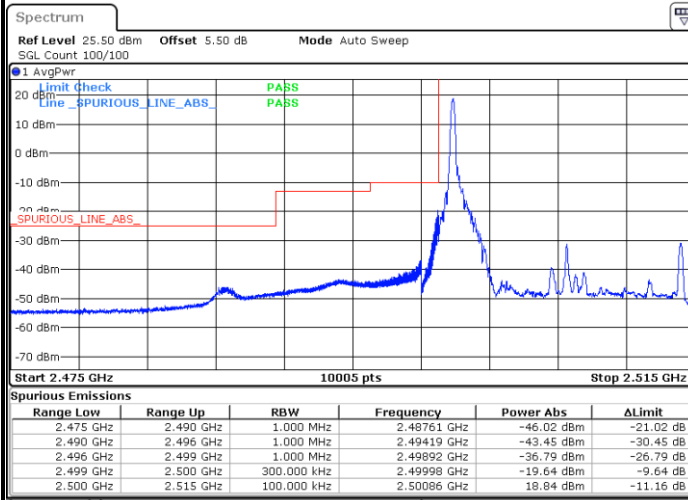
Highest Band Edge / Full RB



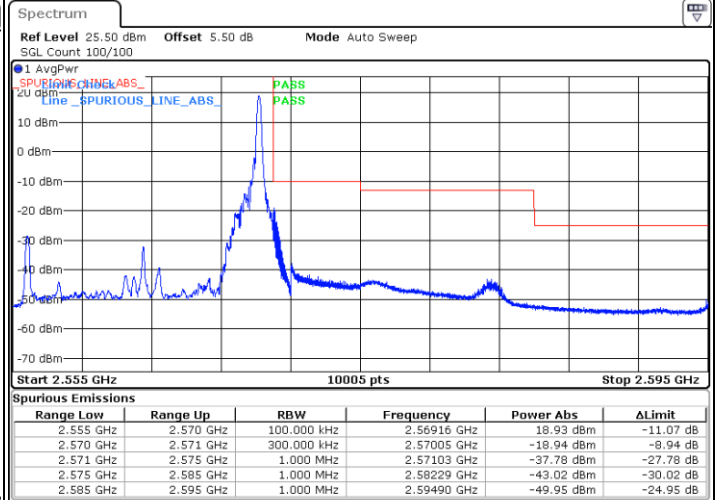


LTE Band 7 / 15MHz / 64QAM

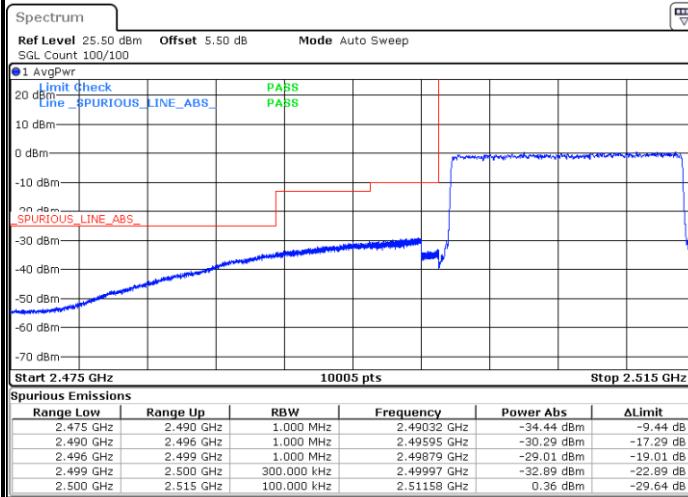
Lowest Band Edge / 1 RB



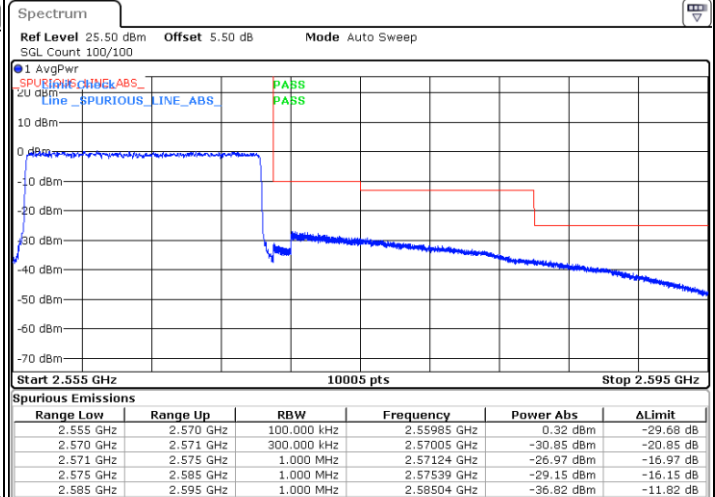
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



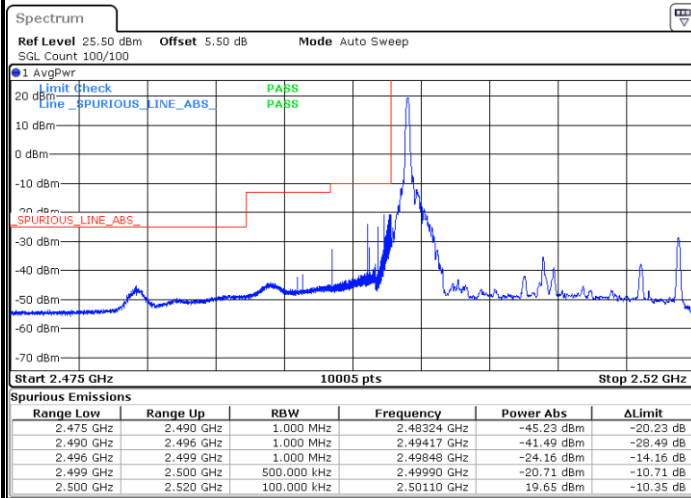
Highest Band Edge / Full RB



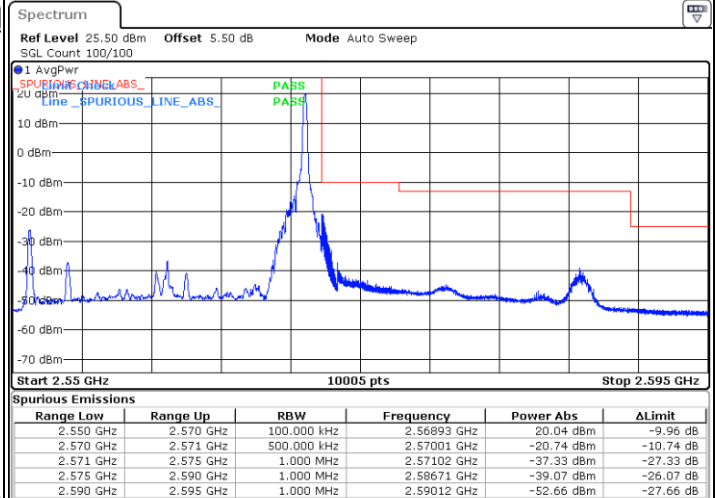


LTE Band 7 / 20MHz / QPSK

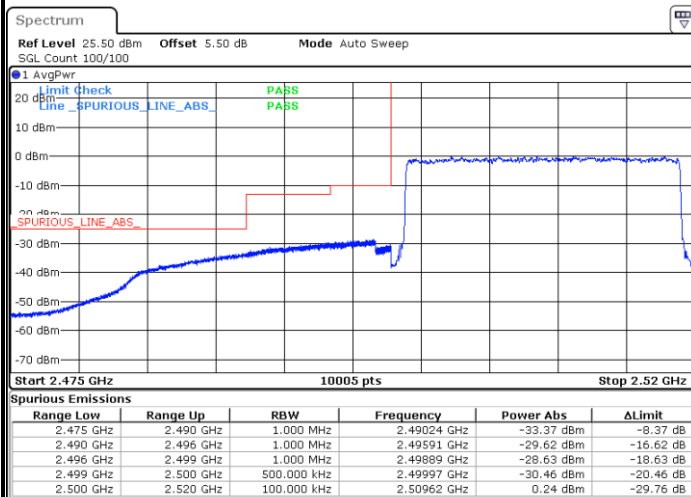
Lowest Band Edge / 1 RB



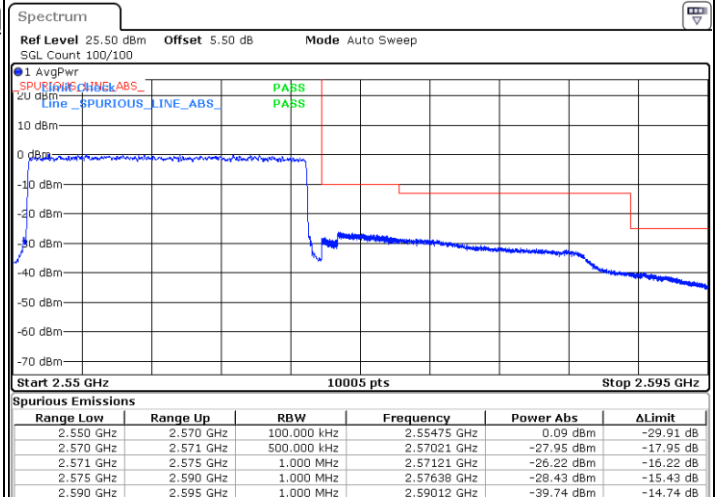
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



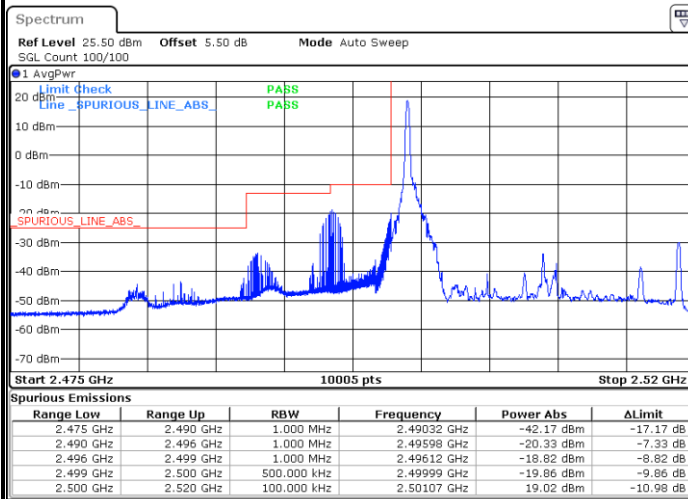
Highest Band Edge / Full RB



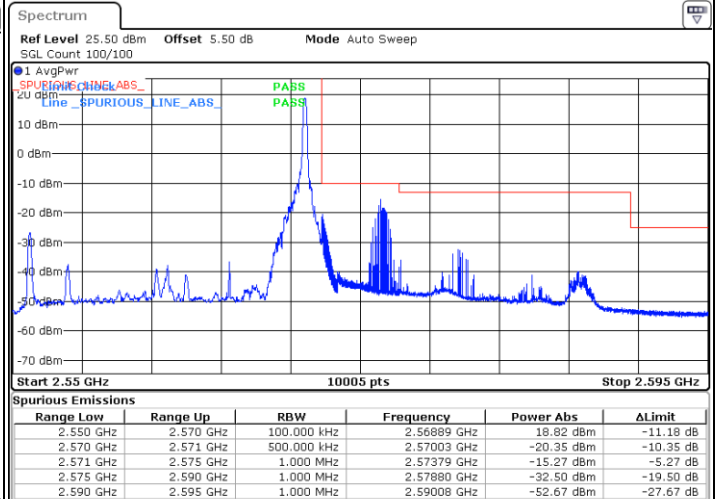


LTE Band 7 / 20MHz / 16QAM

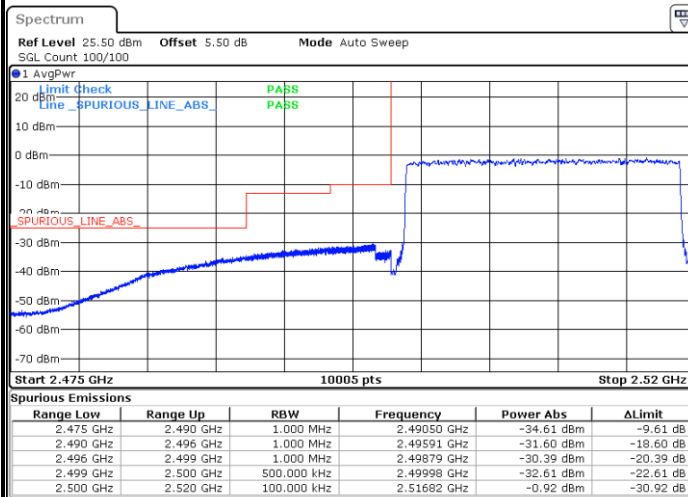
Lowest Band Edge / 1 RB



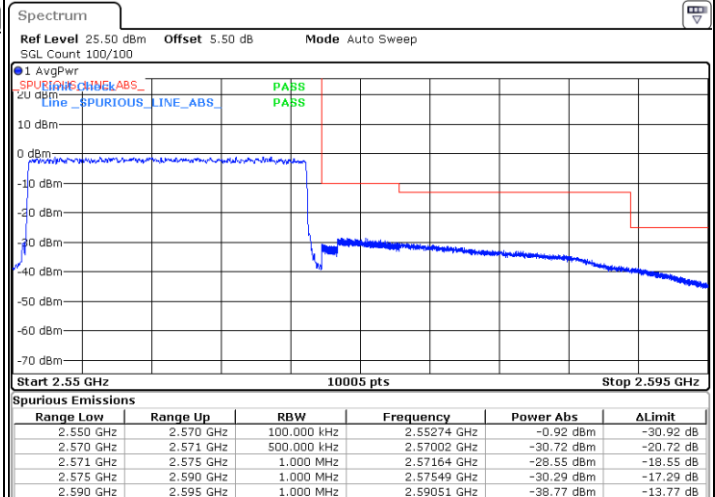
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



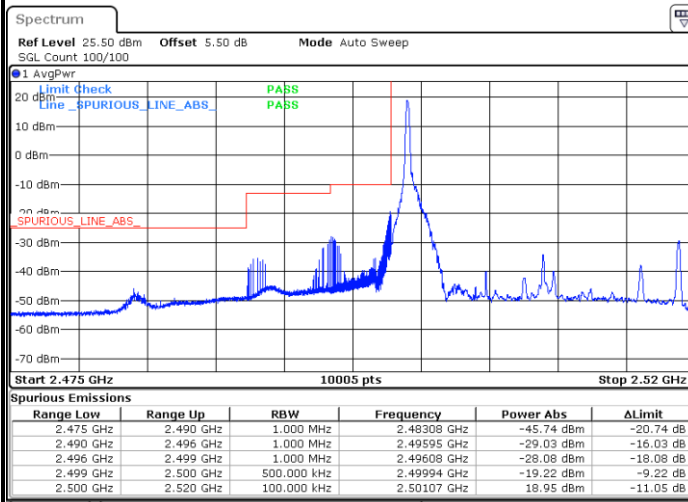
Highest Band Edge / Full RB



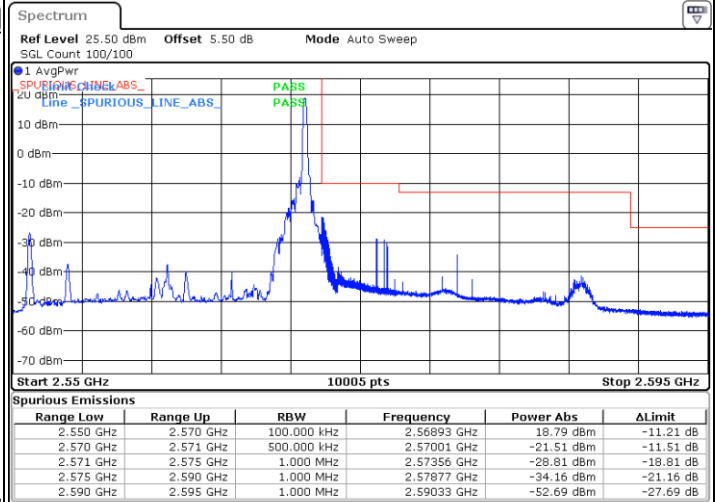


LTE Band 7 / 20MHz / 64QAM

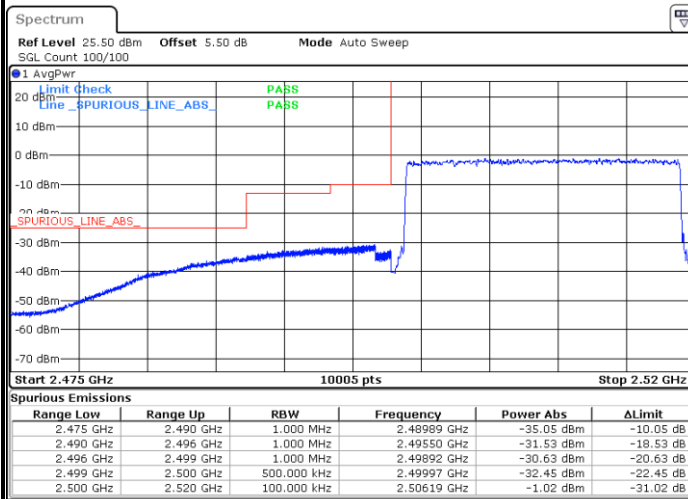
Lowest Band Edge / 1 RB



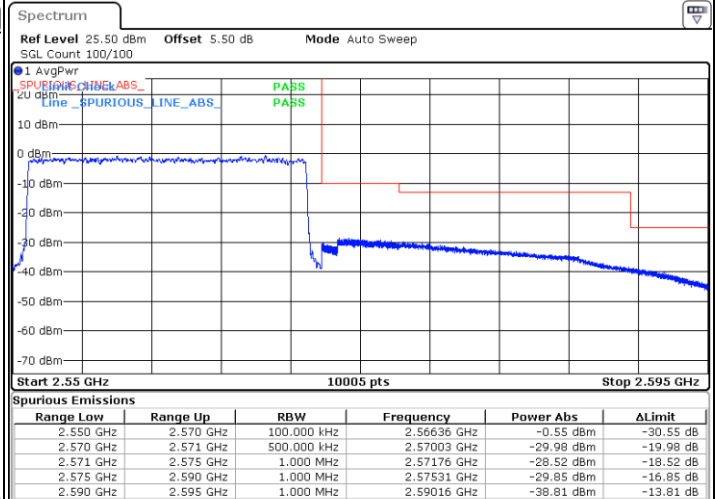
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



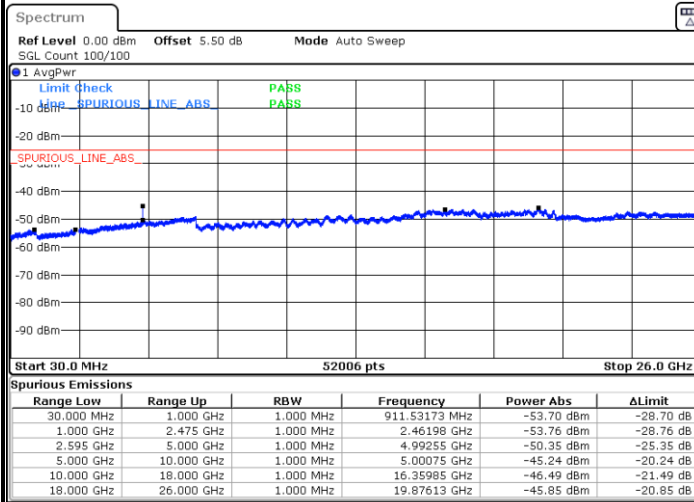


Conducted Spurious Emission



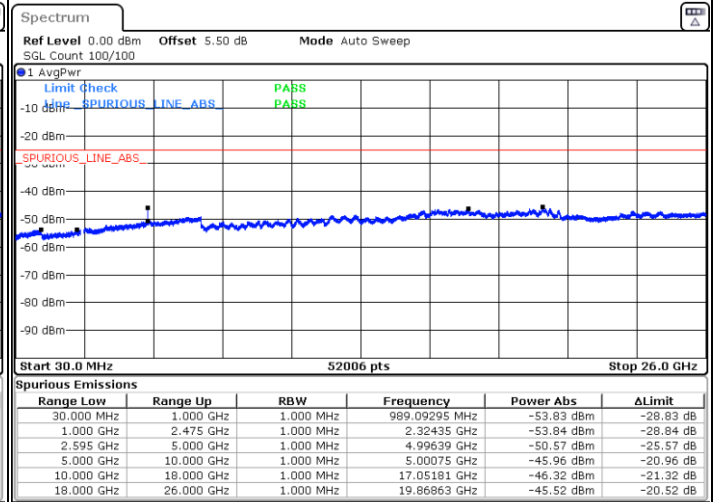
LTE Band 7 / 5MHz

Lowest Channel / QPSK



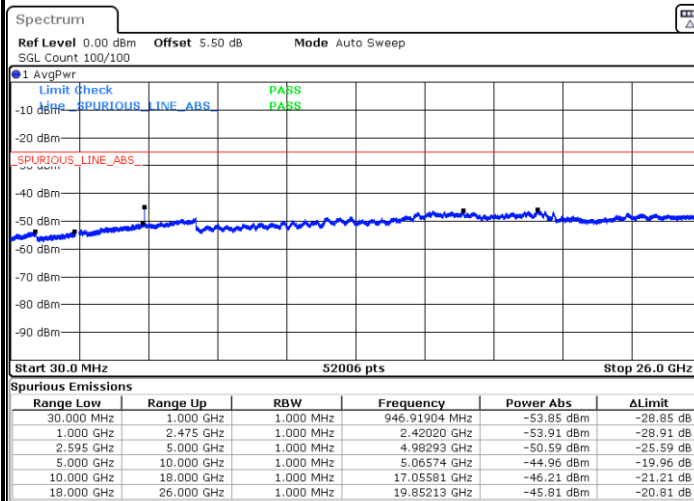
Date: 23 MAR 2020 18:39:35

Lowest Channel / 16QAM



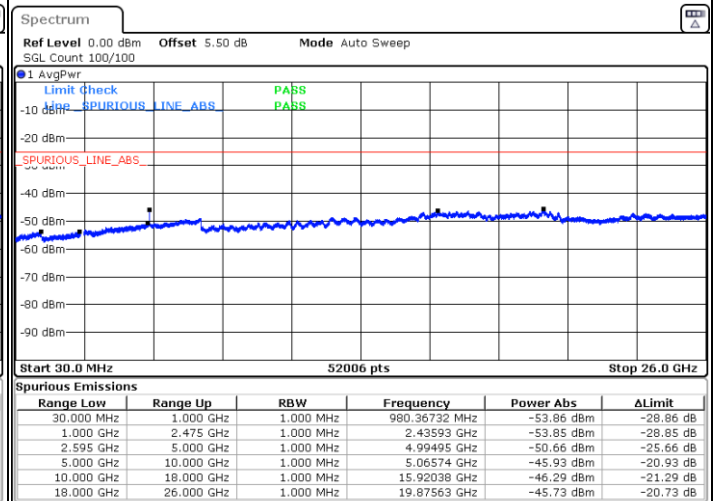
Date: 23 MAR 2020 18:40:29

Middle Channel / QPSK



Date: 23 MAR 2020 18:42:17

Middle Channel / 16QAM

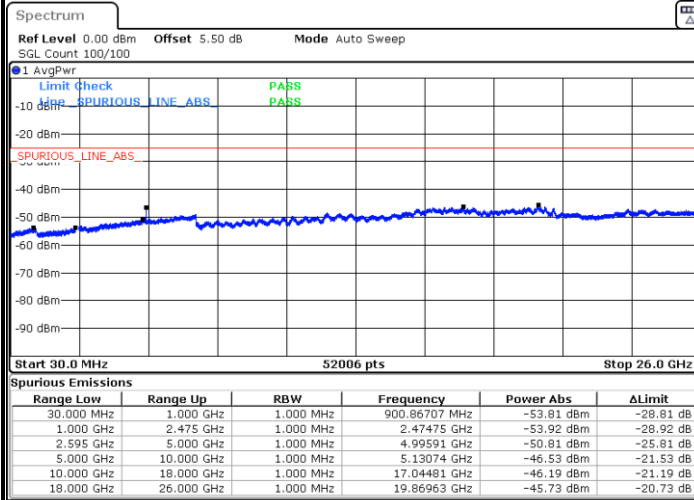


Date: 23 MAR 2020 18:41:23



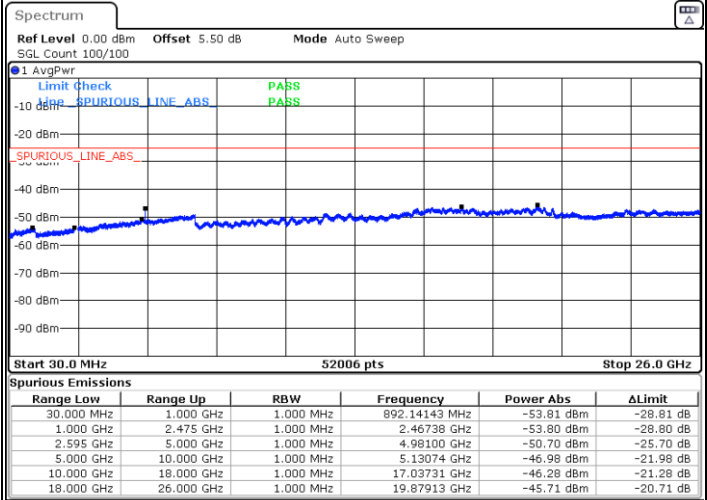
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 23 MAR 2020 18:43:11

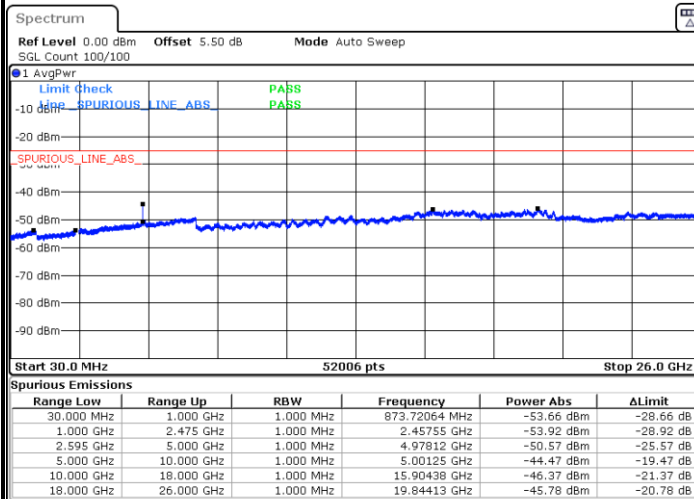
Highest Channel / 16QAM



Date: 23 MAR 2020 18:44:05

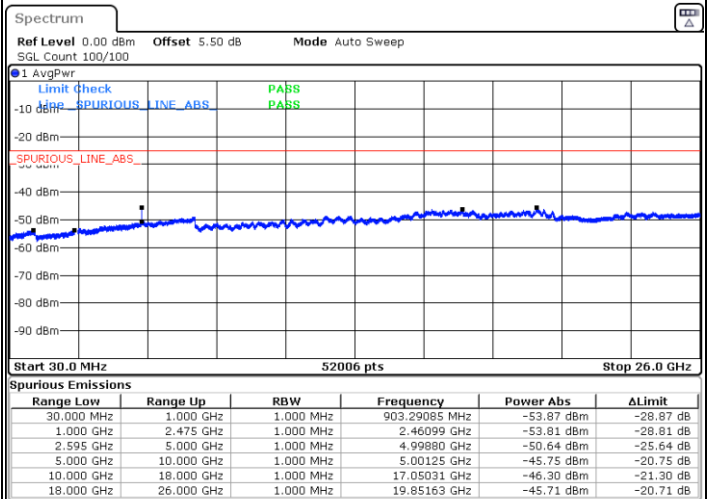
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 23 MAR 2020 18:44:58

Lowest Channel / 16QAM

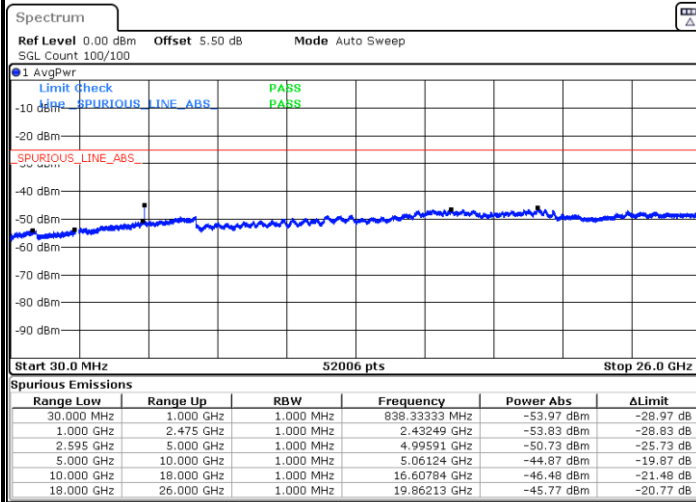


Date: 23 MAR 2020 18:45:53



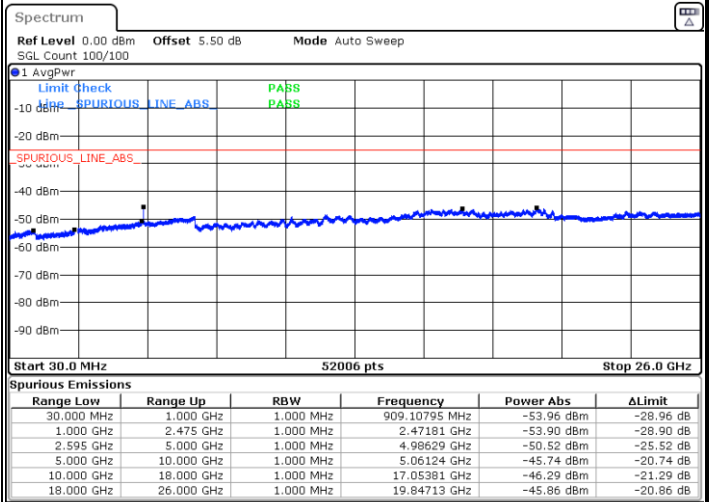
LTE Band 7 / 10MHz

Middle Channel / QPSK



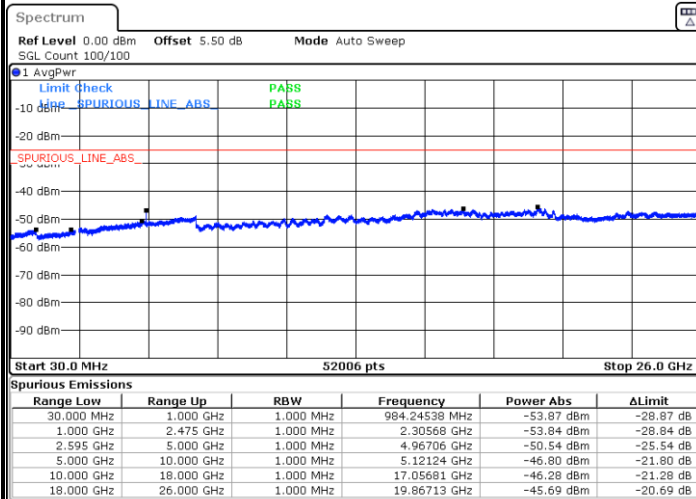
Date: 23 MAR 2020 18:47:41

Middle Channel / 16QAM



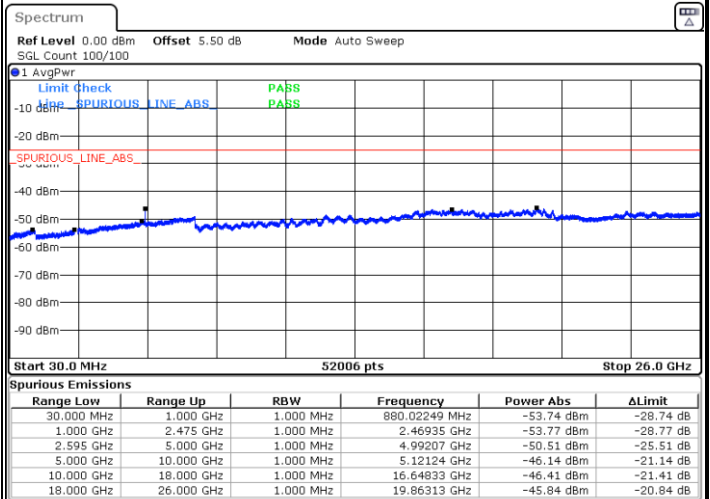
Date: 23 MAR 2020 18:46:47

Highest Channel / QPSK



Date: 23 MAR 2020 18:48:34

Highest Channel / 16QAM

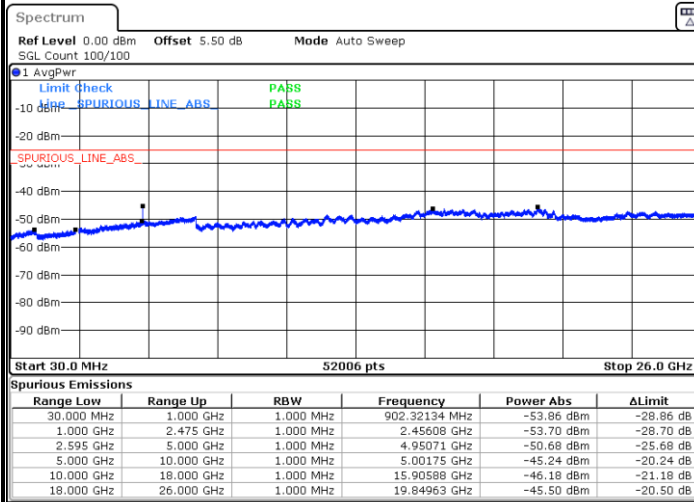


Date: 23 MAR 2020 18:49:28



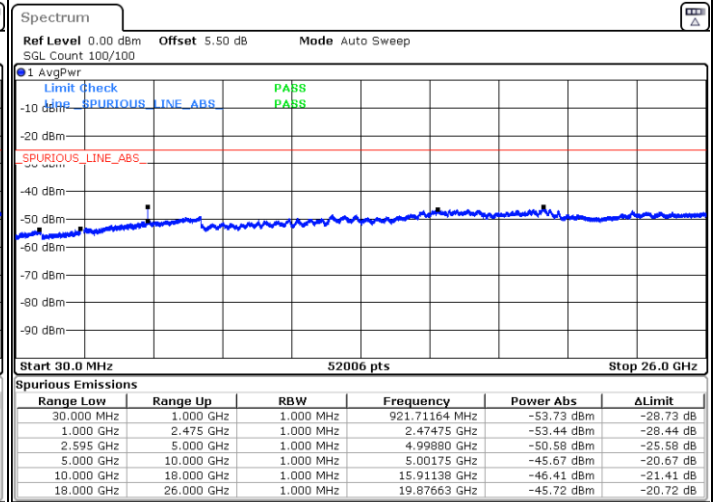
LTE Band 7 / 15MHz

Lowest Channel / QPSK



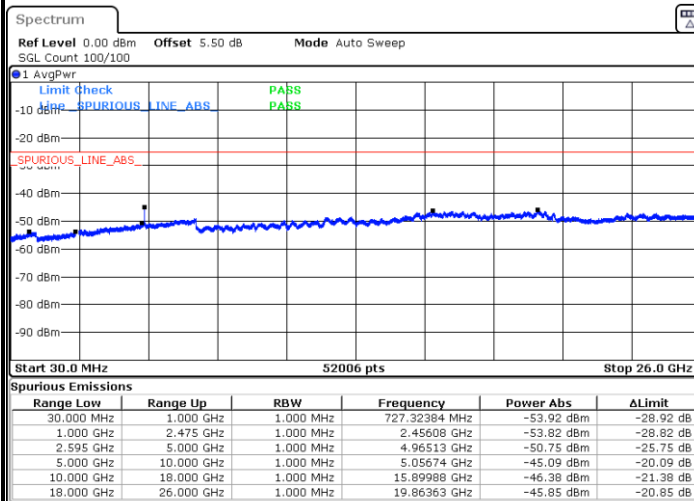
Date: 23 MAR 2020 18:50:23

Lowest Channel / 16QAM



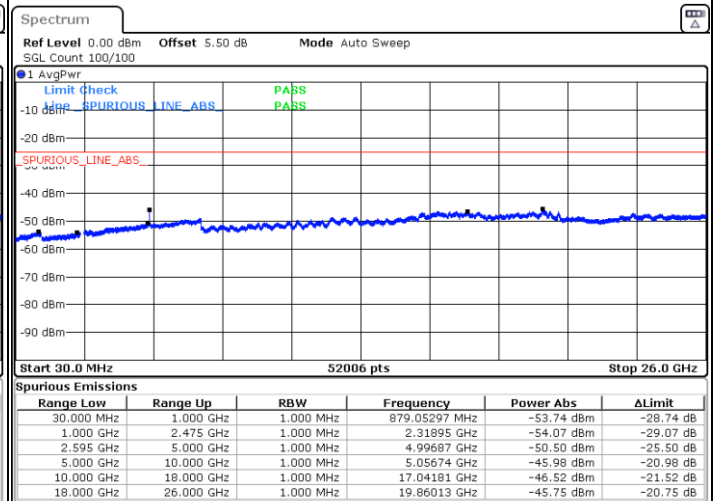
Date: 23 MAR 2020 18:51:16

Middle Channel / QPSK



Date: 23 MAR 2020 18:53:04

Middle Channel / 16QAM

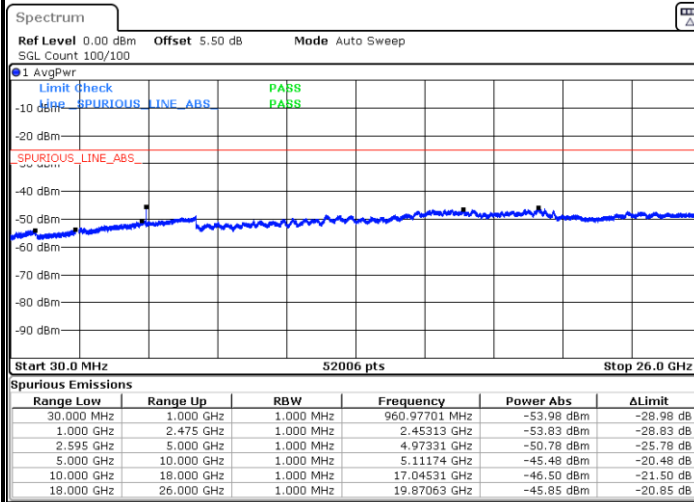


Date: 23 MAR 2020 18:52:10



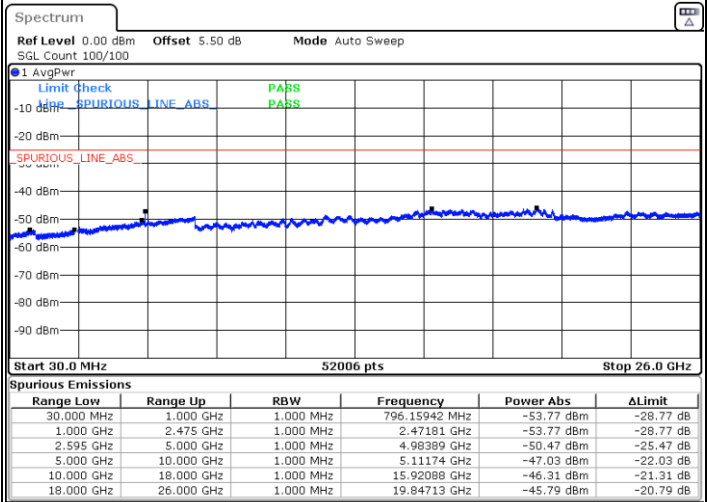
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 23 MAR 2020 18:53:58

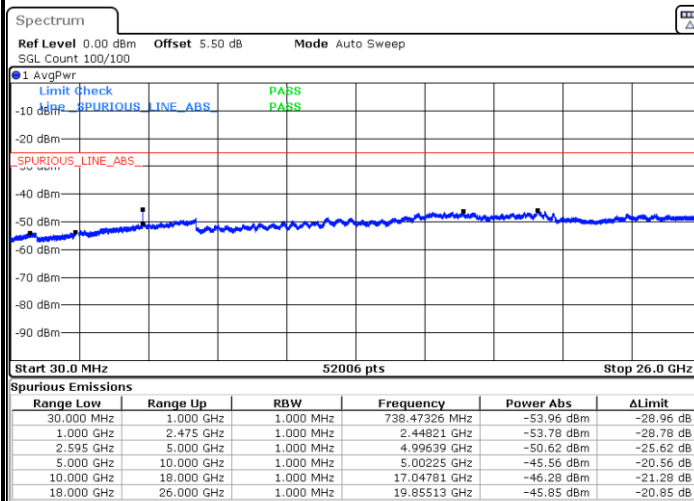
Highest Channel / 16QAM



Date: 23 MAR 2020 18:54:52

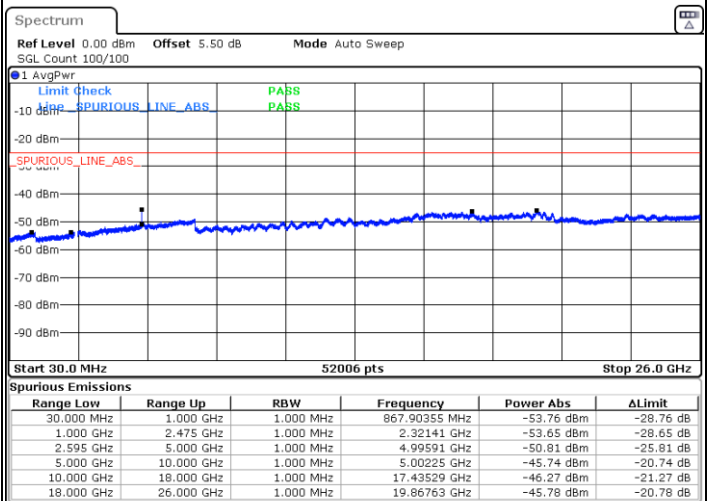
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 23 MAR 2020 18:55:46

Lowest Channel / 16QAM

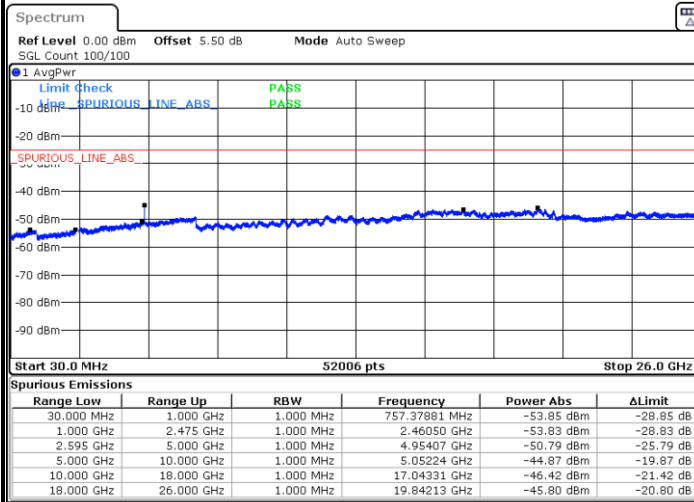


Date: 23 MAR 2020 18:56:40



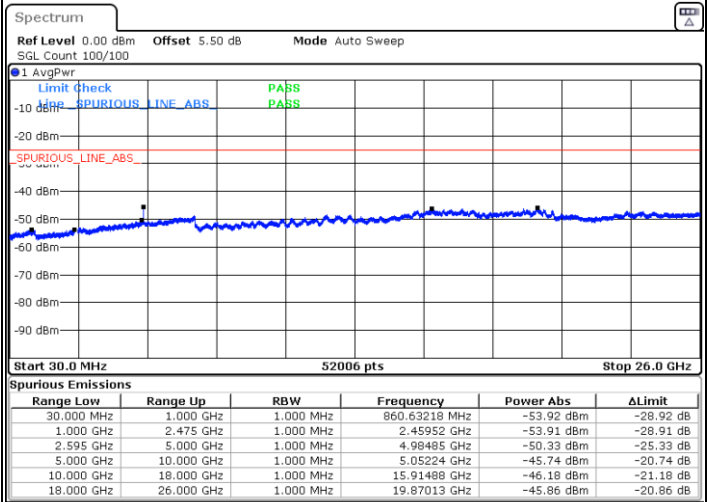
LTE Band 7 / 20MHz

Middle Channel / QPSK



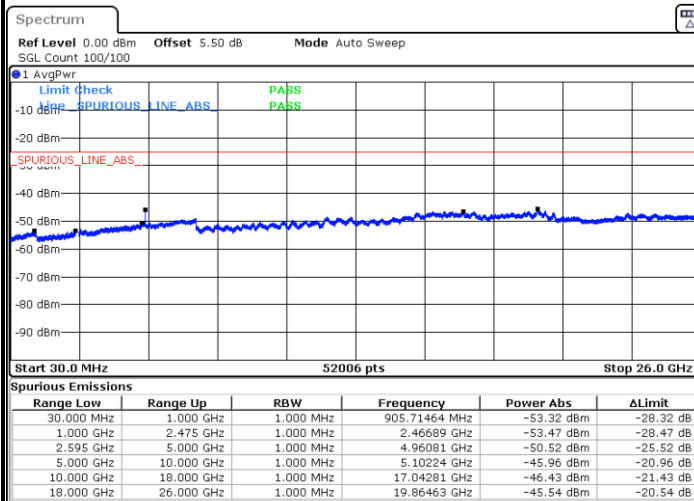
Date: 23 MAR 2020 18:58:28

Middle Channel / 16QAM



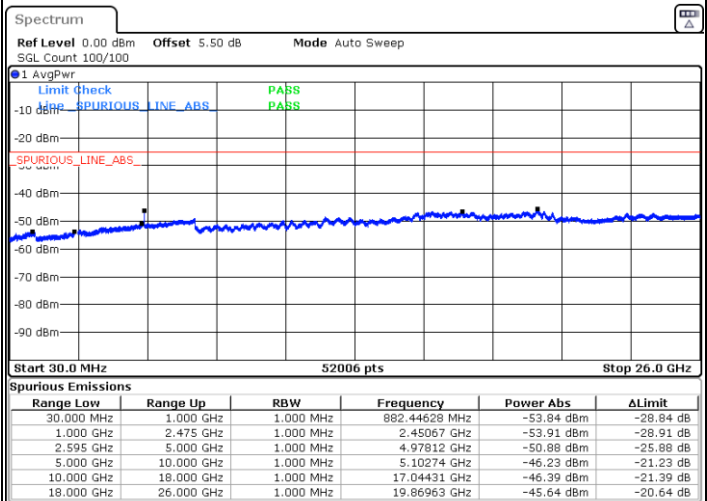
Date: 23 MAR 2020 18:57:34

Highest Channel / QPSK



Date: 23 MAR 2020 18:59:22

Highest Channel / 16QAM

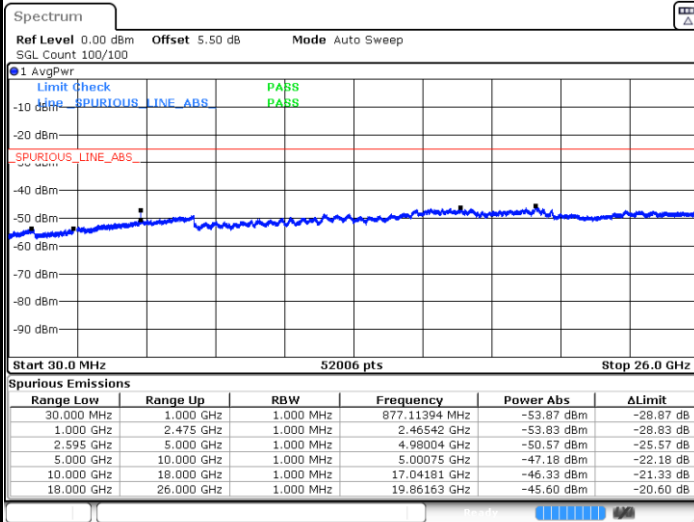


Date: 23 MAR 2020 19:00:16



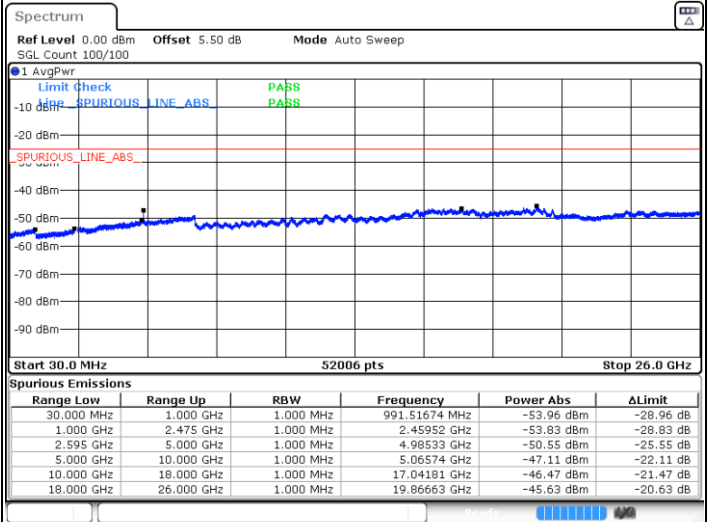
LTE Band 7 / 5MHz

Lowest Channel / 64QAM



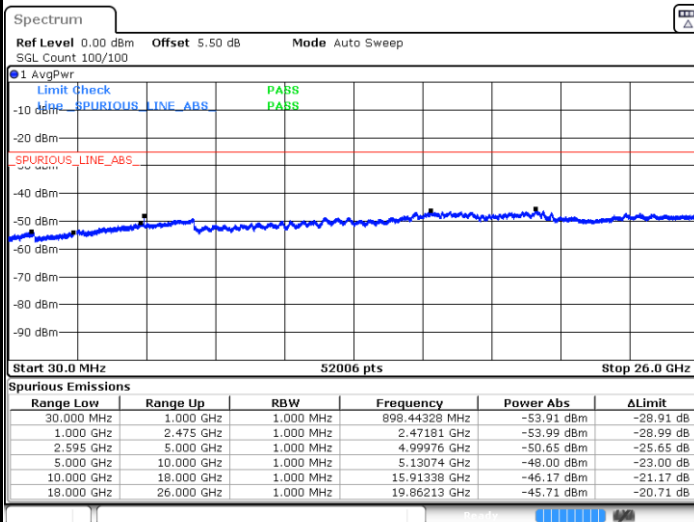
Date: 23 MAR 2020 19:13:20

Middle Channel / 64QAM



Date: 23 MAR 2020 19:14:14

Highest Channel / 64QAM

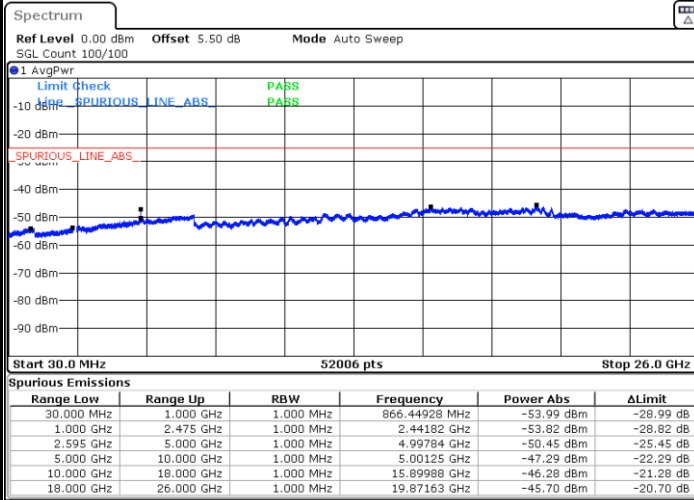


Date: 23 MAR 2020 19:15:08



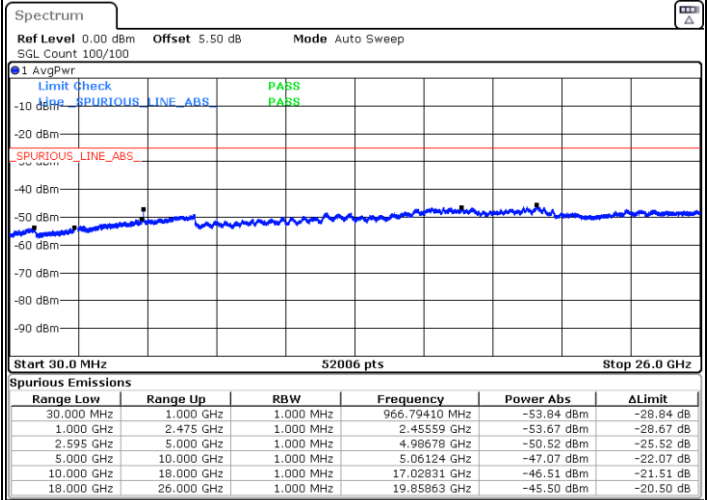
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



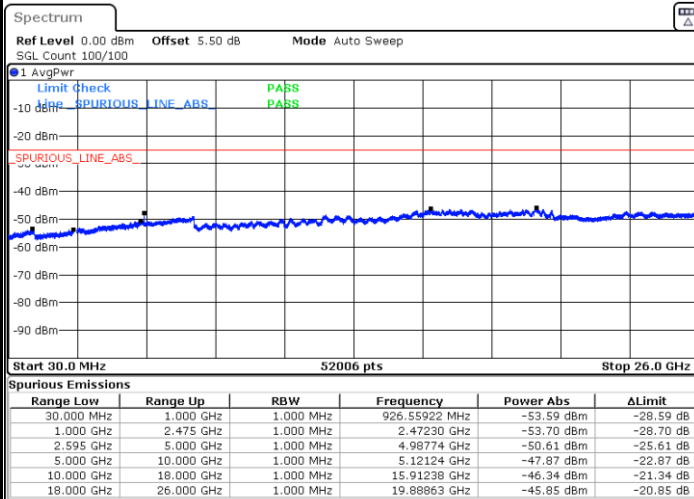
Date: 23 MAR 2020 19:16:02

Middle Channel / 64QAM



Date: 23 MAR 2020 19:16:56

Highest Channel / 64QAM

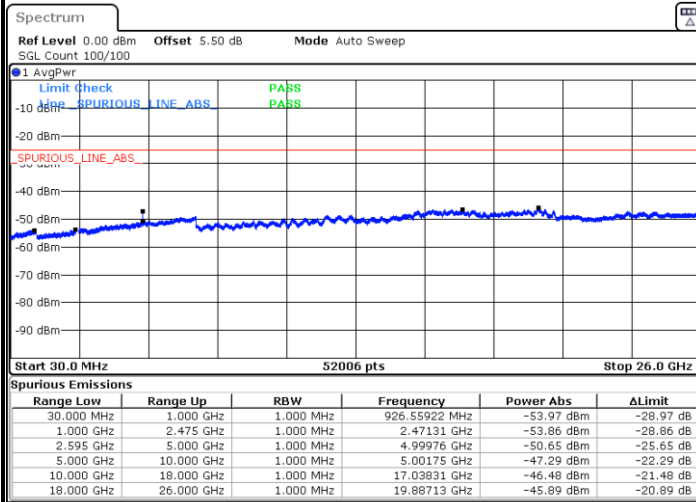


Date: 23 MAR 2020 19:17:50



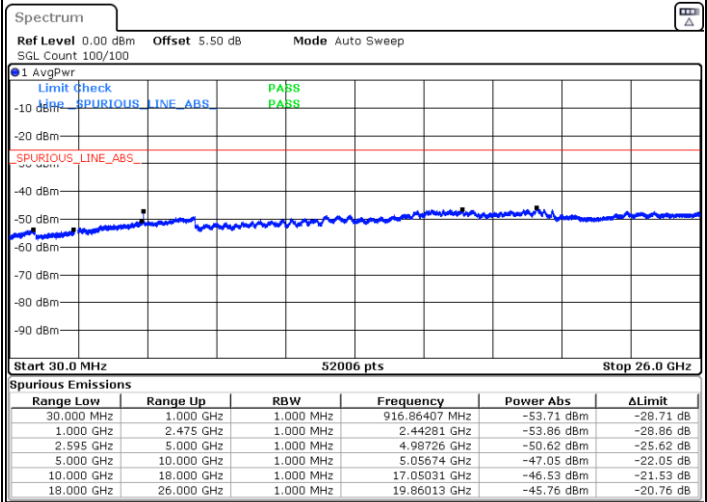
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



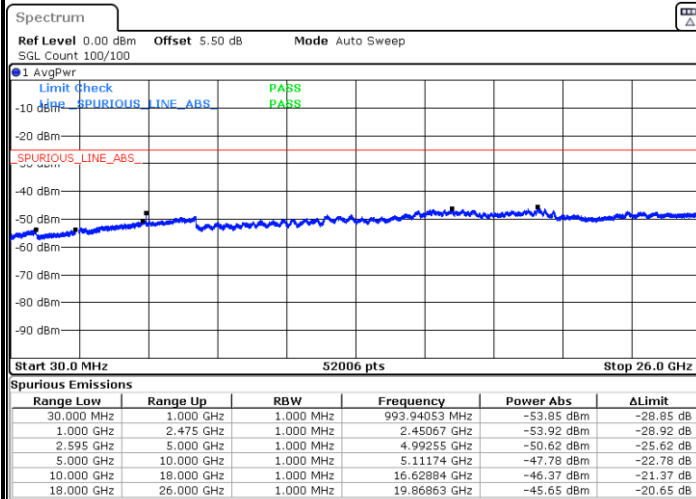
Date: 23 MAR 2020 19:18:44

Middle Channel / 64QAM



Date: 23 MAR 2020 19:19:38

Highest Channel / 64QAM

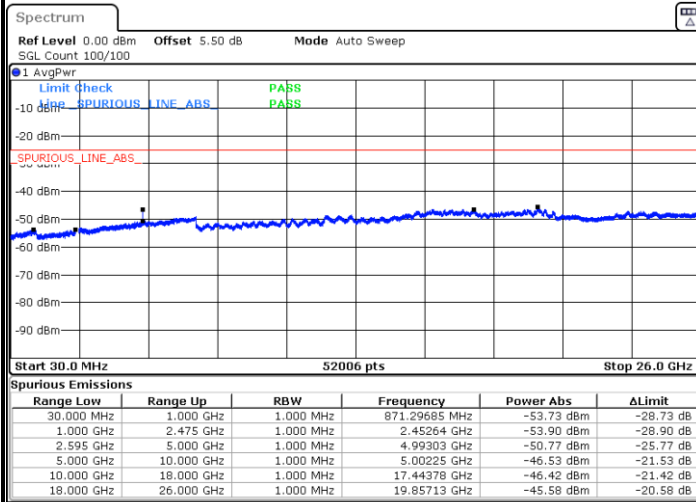


Date: 23 MAR 2020 19:20:32



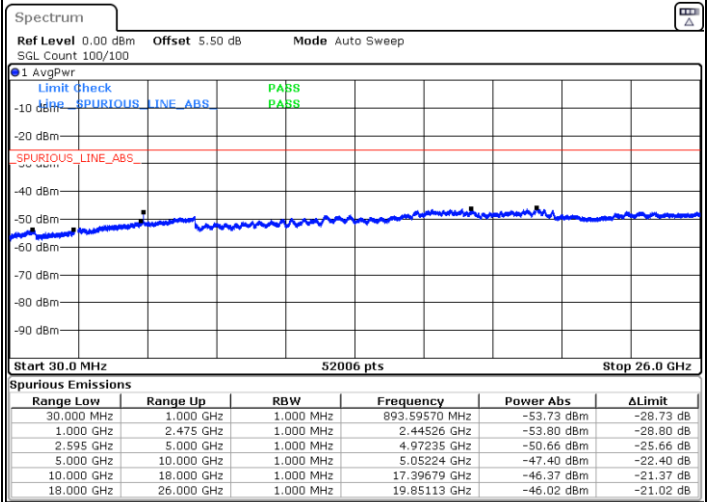
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



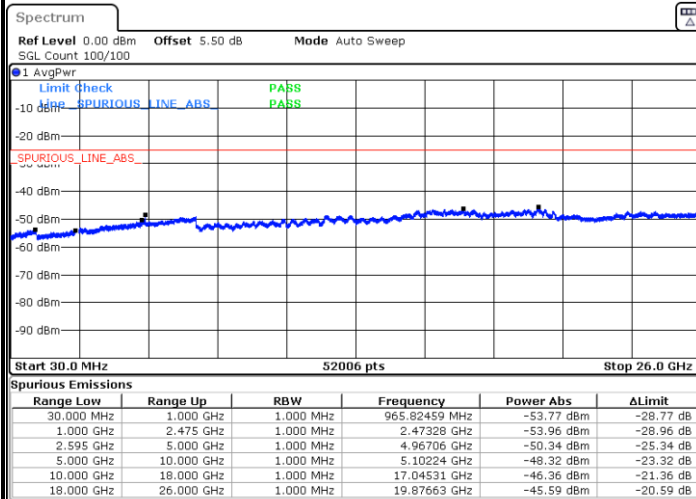
Date: 23 MAR 2020 19:21:26

Middle Channel / 64QAM



Date: 23 MAR 2020 19:22:20

Highest Channel / 64QAM



Date: 23 MAR 2020 19:23:14

**Frequency Stability**

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

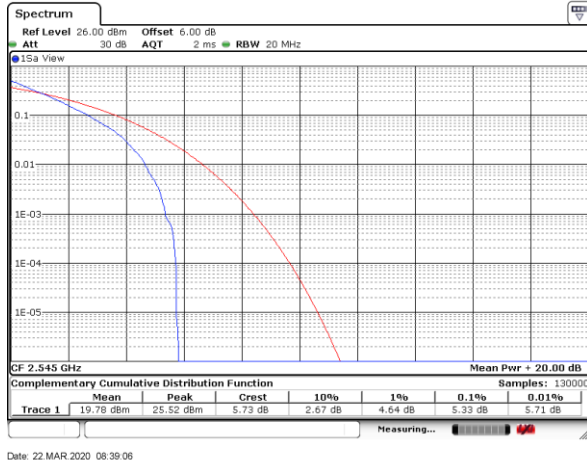
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.33	6.26	6.20	6.29	PASS
Middle CH	6.64	6.78	6.03	6.17	
Highest CH	5.62	5.54	6.38	6.26	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	6.52	6.52	PASS		
Middle CH	5.80	6.35			
Highest CH	5.97	6.70			

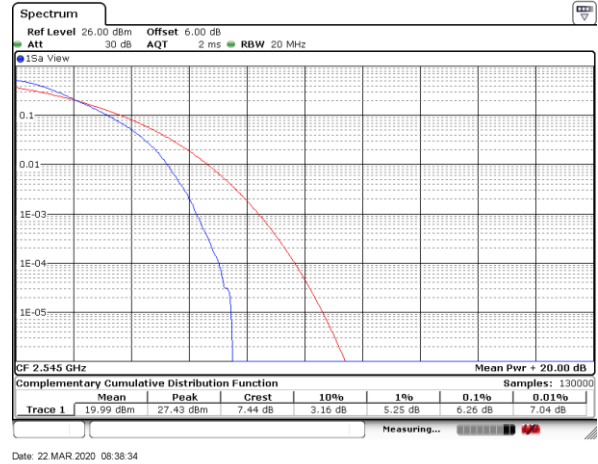


LTE Band 41 / 20MHz / QPSK

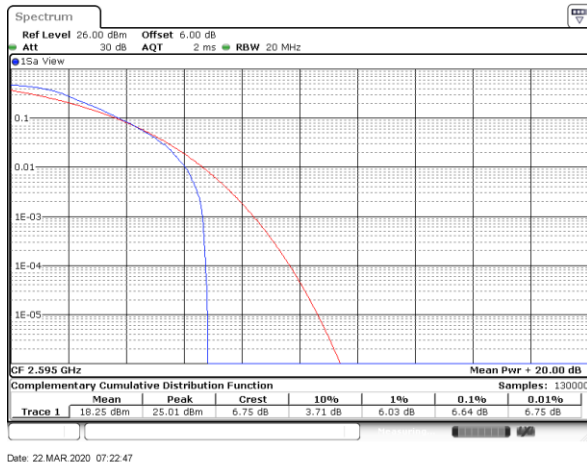
Lowest Channel / 1RB



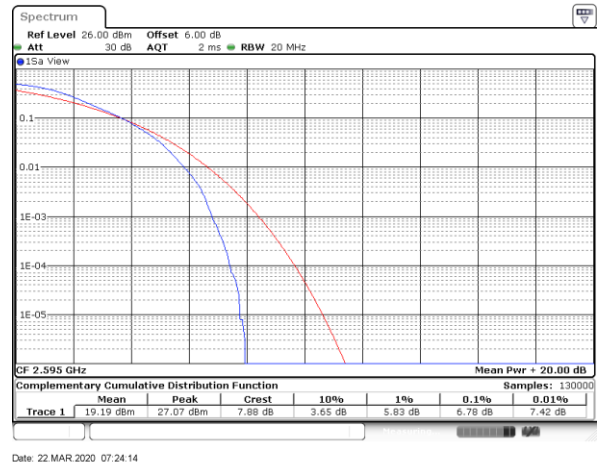
Lowest Channel / Full RB



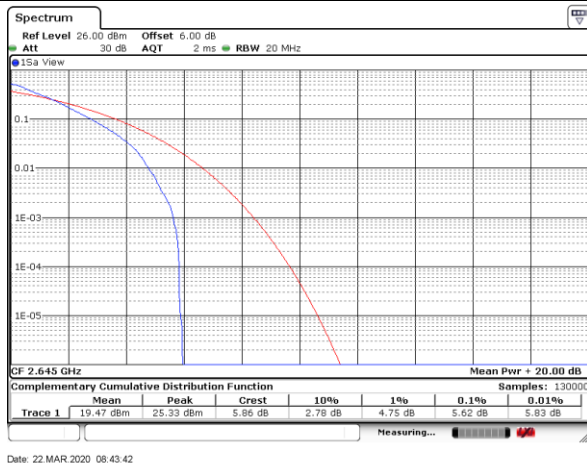
Middle Channel / 1RB



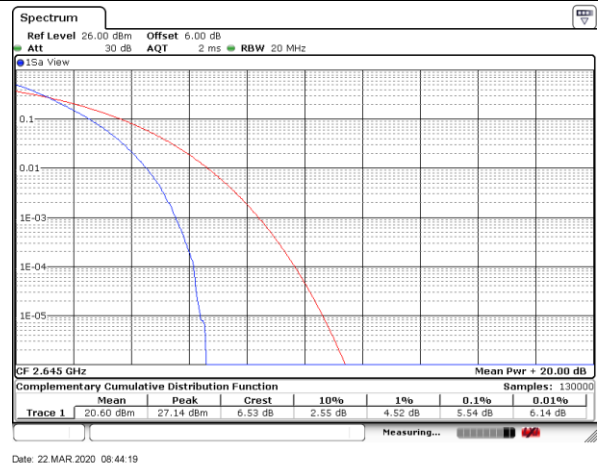
Middle Channel / Full RB



Highest Channel / 1RB



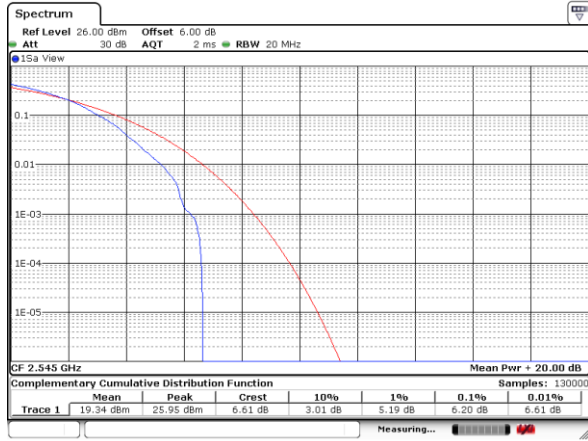
Highest Channel / Full RB



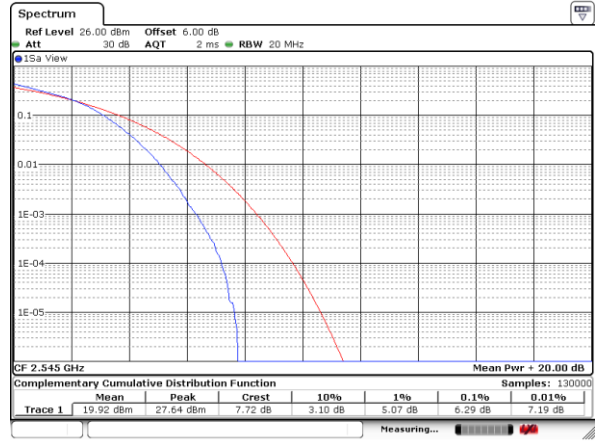


LTE Band 41 / 20MHz / 16QAM

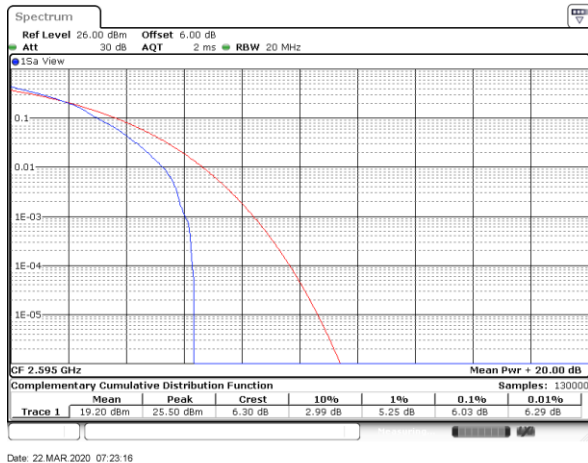
Lowest Channel / 1RB



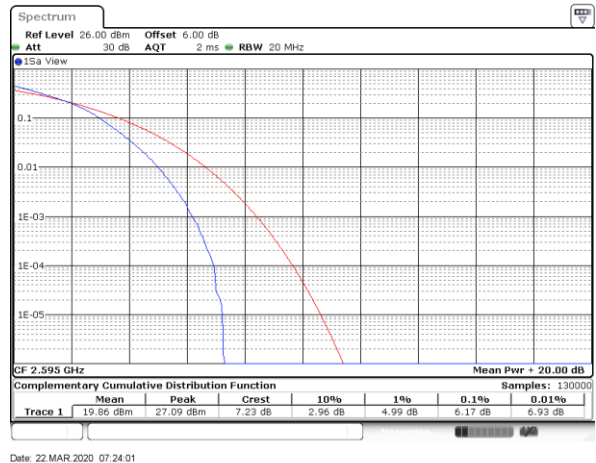
Lowest Channel / Full RB



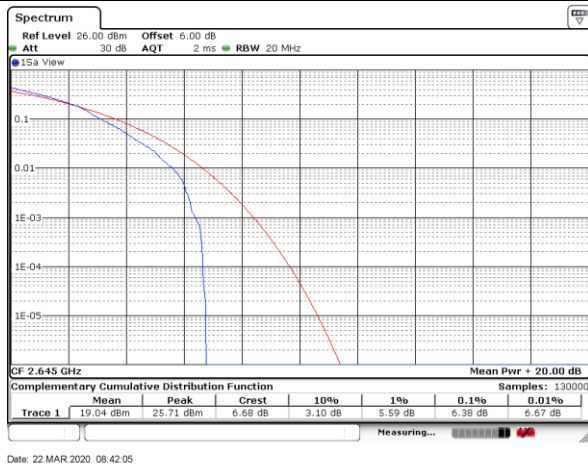
Middle Channel / 1RB



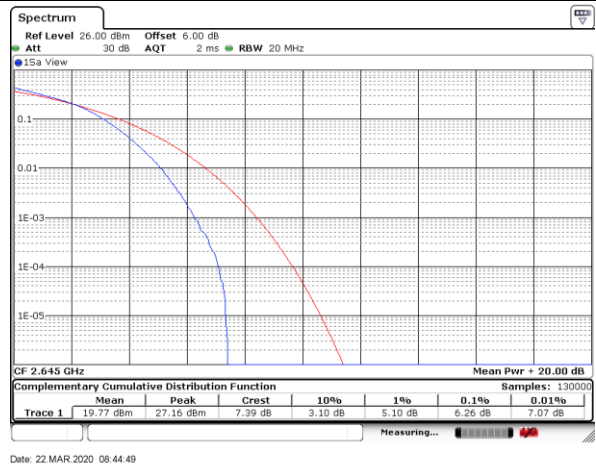
Middle Channel / Full RB



Highest Channel / 1RB



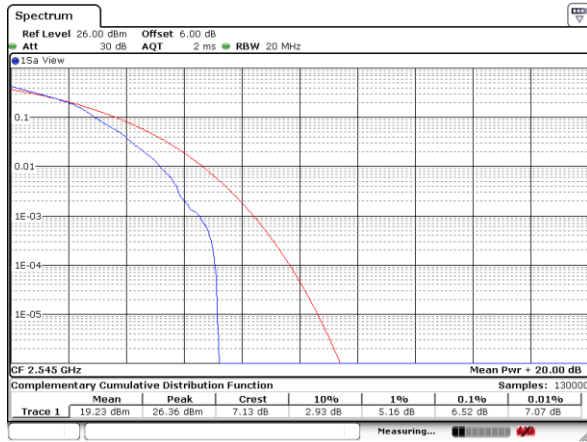
Highest Channel / Full RB



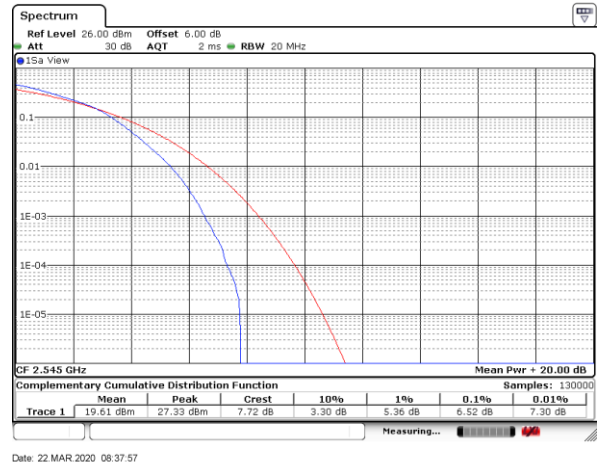


LTE Band 41 / 20MHz / 64QAM

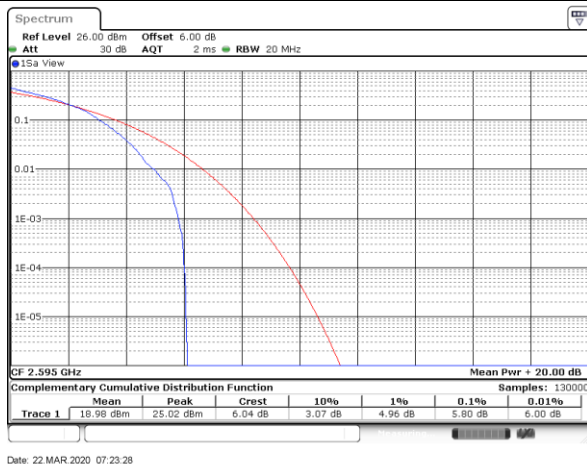
Lowest Channel / 1RB



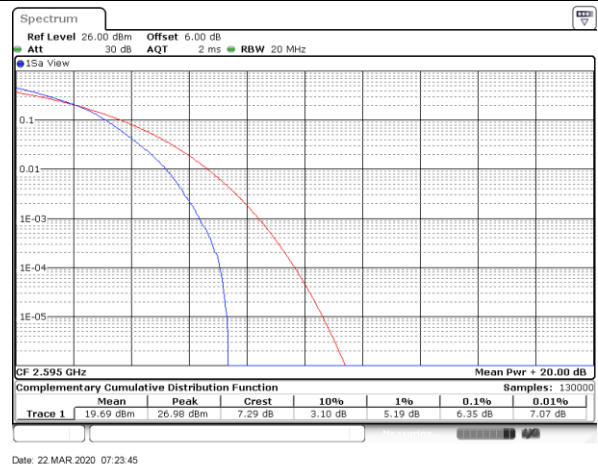
Lowest Channel / Full RB



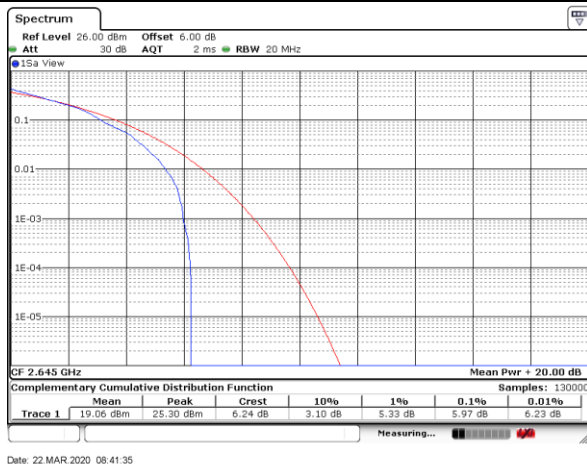
Middle Channel / 1RB



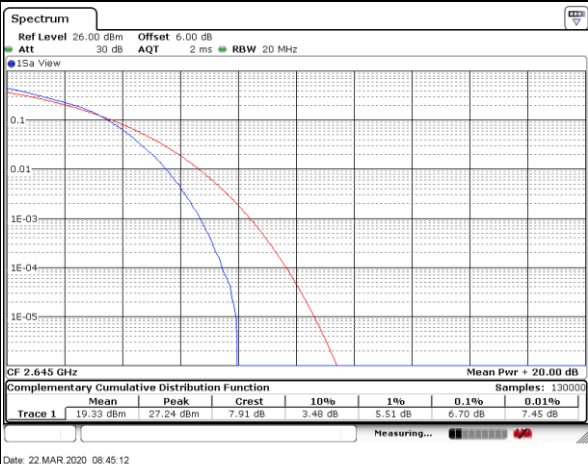
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB





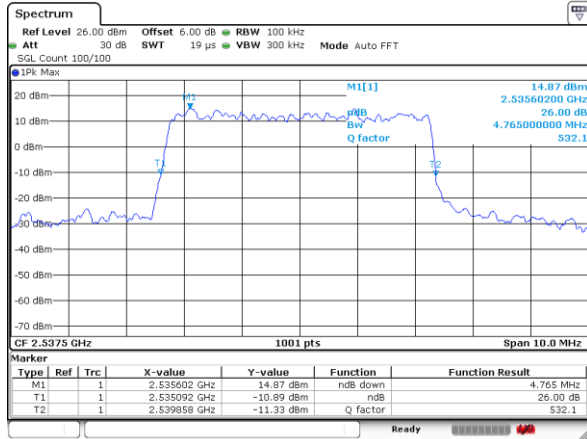
26dB Bandwidth

Mode	LTE Band 41											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.765	4.755	10.37	9.65	14.206	14.176	20.1	20.18	4.855	9.73	14.296	20.06
Middle CH	4.855	4.885	9.71	9.67	14.236	14.176	20.14	20.22	4.825	9.83	14.326	20.22
Highest CH	4.805	4.815	9.93	9.87	14.236	14.296	20.1	20.1	4.835	9.69	14.356	20.18



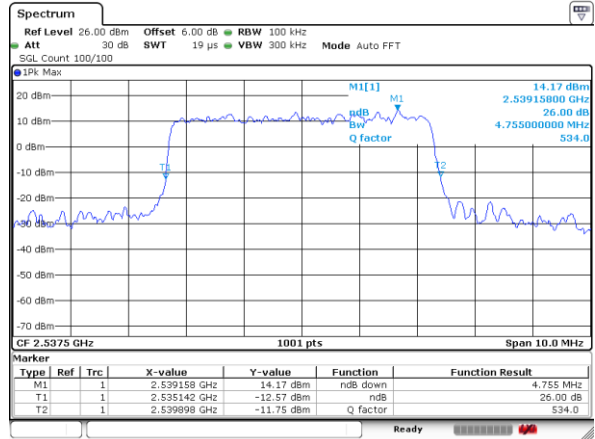
LTE Band 41

Lowest Channel / 5MHz / QPSK



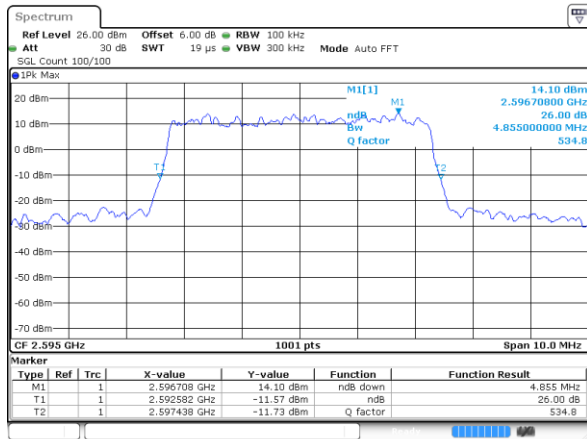
Date: 22 MAR 2020 08:03:18

Lowest Channel / 5MHz / 16QAM



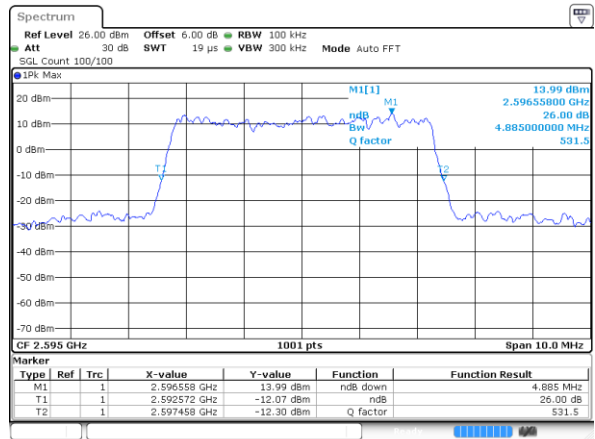
Date: 22 MAR 2020 08:02:55

Middle Channel / 5MHz / QPSK



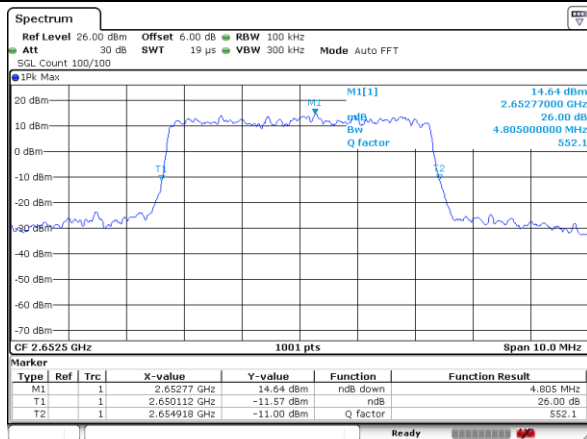
Date: 22 MAR 2020 07:12:32

Middle Channel / 5MHz / 16QAM



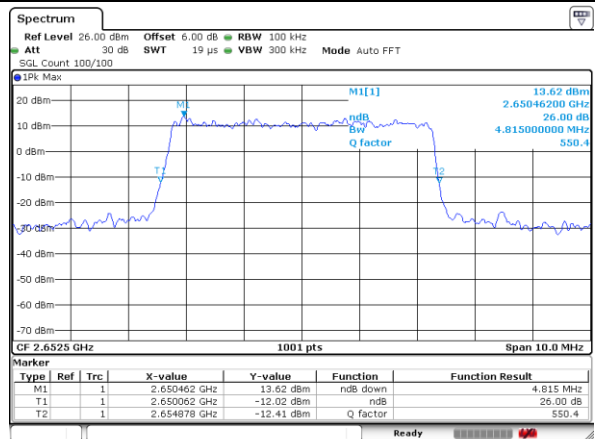
Date: 22 MAR 2020 07:12:13

Highest Channel / 5MHz / QPSK



Date: 22 MAR 2020 08:00:28

Highest Channel / 5MHz / 16QAM

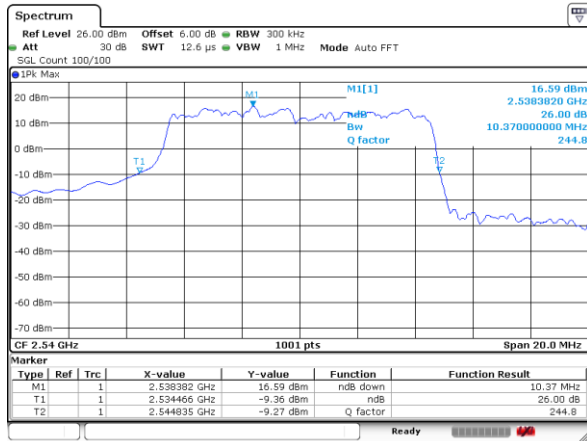


Date: 22 MAR 2020 08:01:19



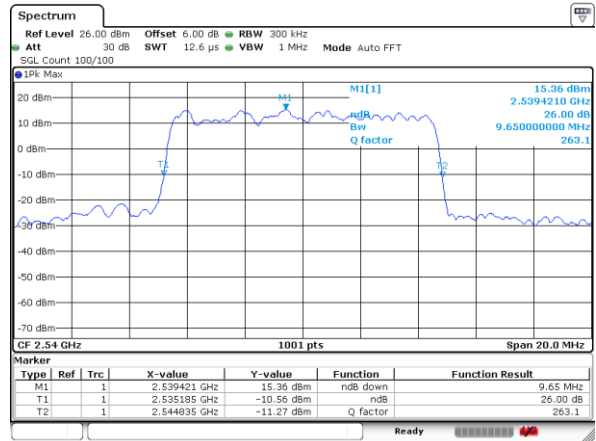
LTE Band 41

Lowest Channel / 10MHz / QPSK



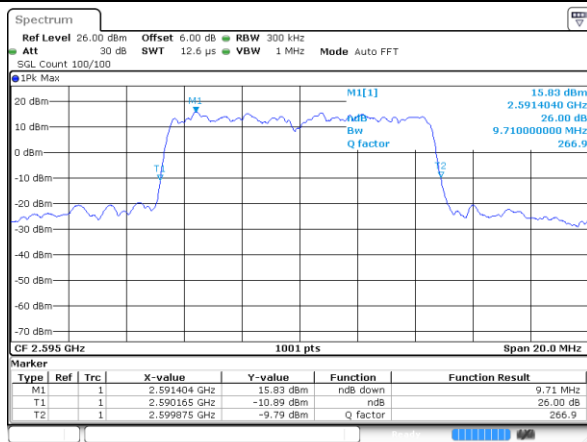
Date: 22 MAR 2020 07:49:24

Lowest Channel / 10MHz / 16QAM



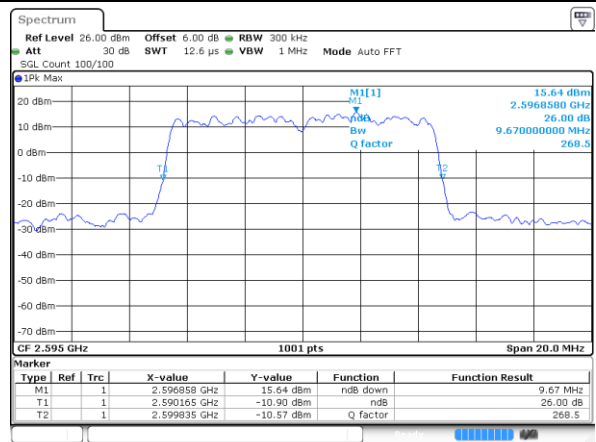
Date: 22 MAR 2020 07:49:45

Middle Channel / 10MHz / QPSK



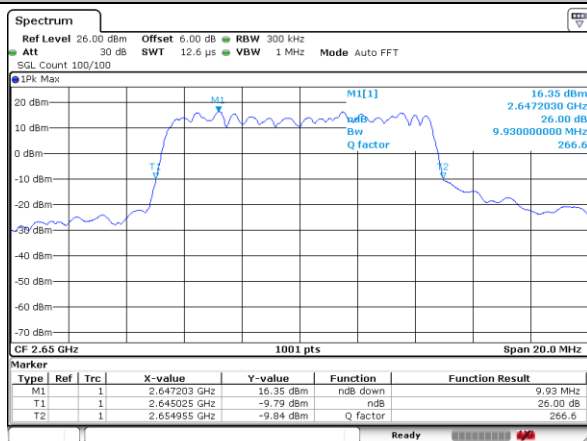
Date: 22 MAR 2020 07:30:55

Middle Channel / 10MHz / 16QAM



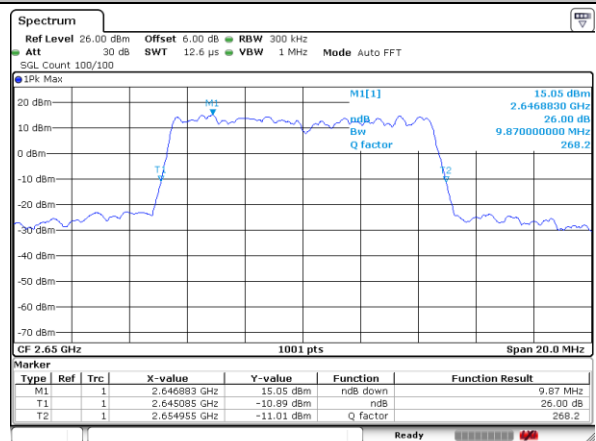
Date: 22 MAR 2020 07:30:28

Highest Channel / 10MHz / QPSK



Date: 22 MAR 2020 07:47:59

Highest Channel / 10MHz / 16QAM

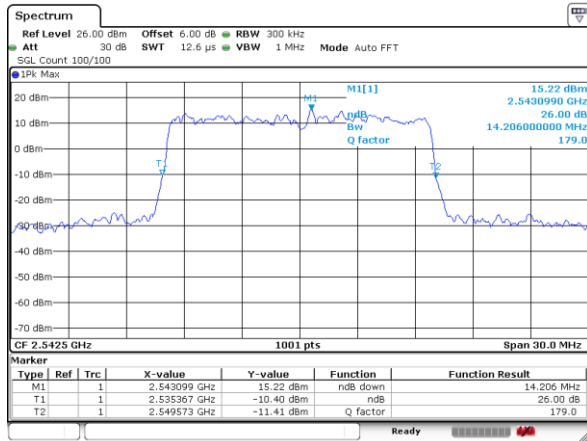


Date: 22 MAR 2020 07:47:36



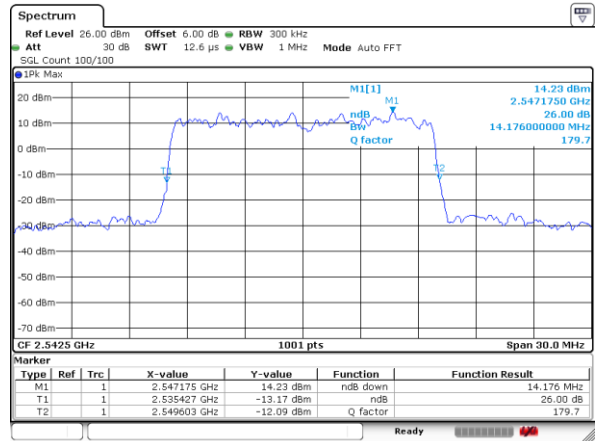
LTE Band 41

Lowest Channel / 15MHz / QPSK



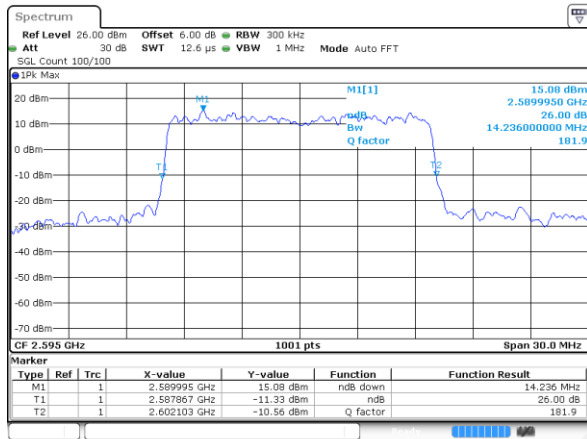
Date: 22 MAR 2020 08:08:45

Lowest Channel / 15MHz / 16QAM



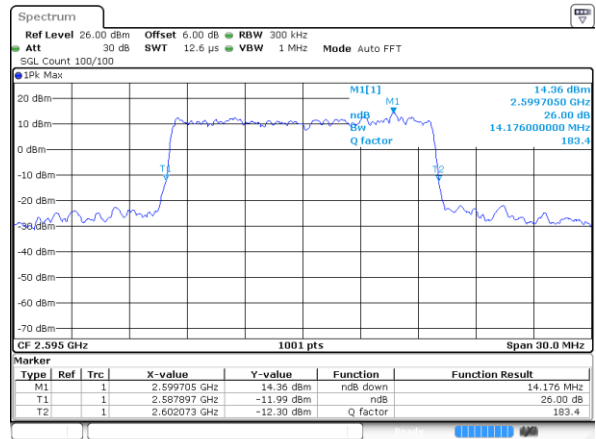
Date: 22 MAR 2020 08:08:14

Middle Channel / 15MHz / QPSK



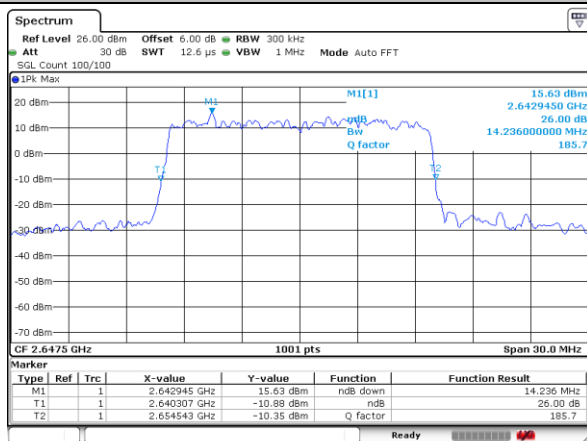
Date: 22 MAR 2020 07:28:17

Middle Channel / 15MHz / 16QAM



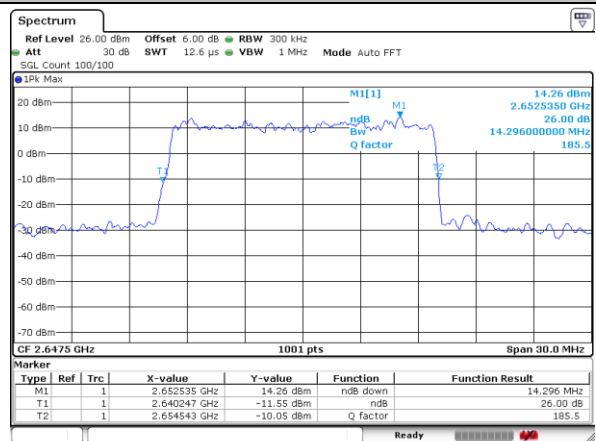
Date: 22 MAR 2020 07:28:36

Highest Channel / 15MHz / QPSK



Date: 22 MAR 2020 08:10:05

Highest Channel / 15MHz / 16QAM

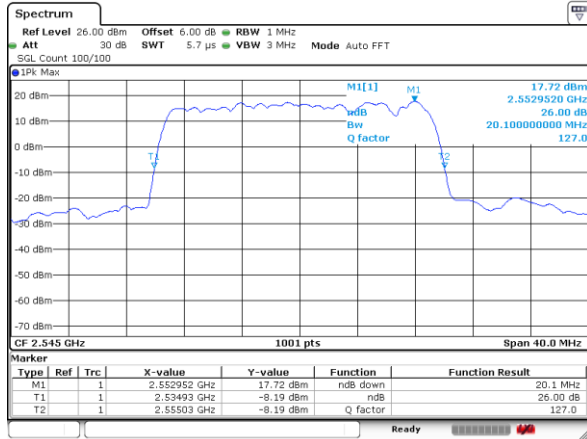


Date: 22 MAR 2020 08:10:51



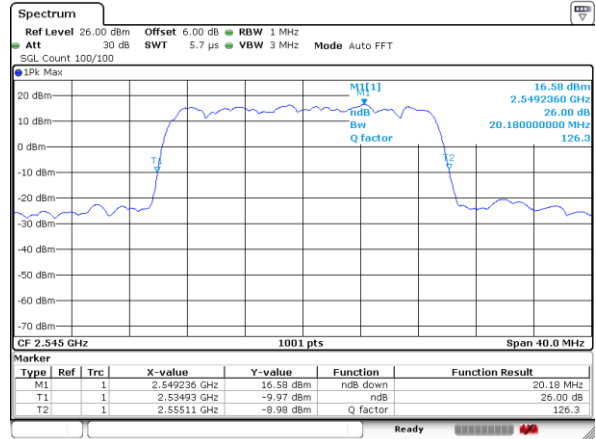
LTE Band 41

Lowest Channel / 20MHz / QPSK



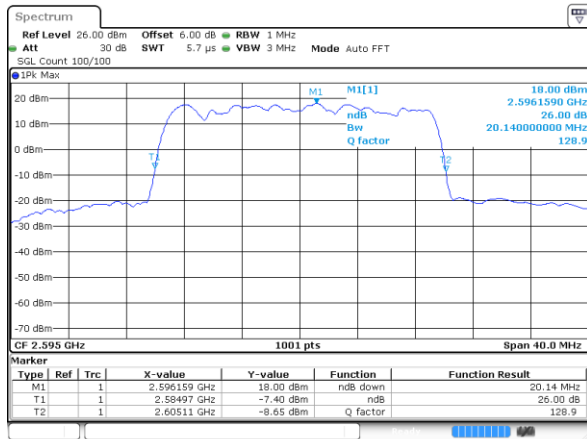
Date: 22 MAR 2020 08:25:58

Lowest Channel / 20MHz / 16QAM



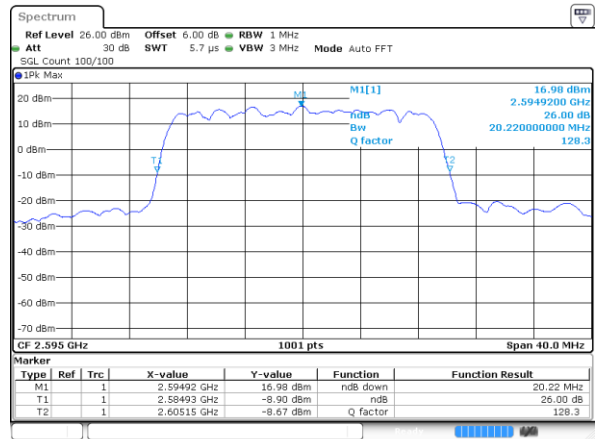
Date: 22 MAR 2020 08:25:43

Middle Channel / 20MHz / QPSK



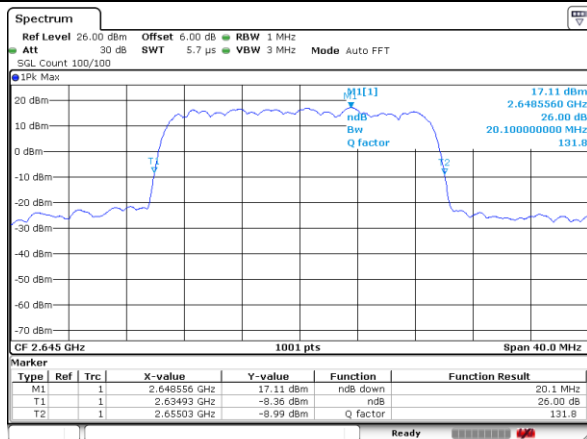
Date: 22 MAR 2020 07:24:51

Middle Channel / 20MHz / 16QAM



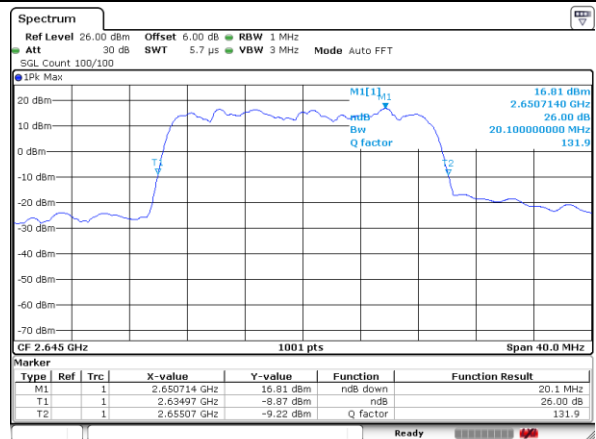
Date: 22 MAR 2020 07:25:38

Highest Channel / 20MHz / QPSK



Date: 22 MAR 2020 08:23:41

Highest Channel / 20MHz / 16QAM

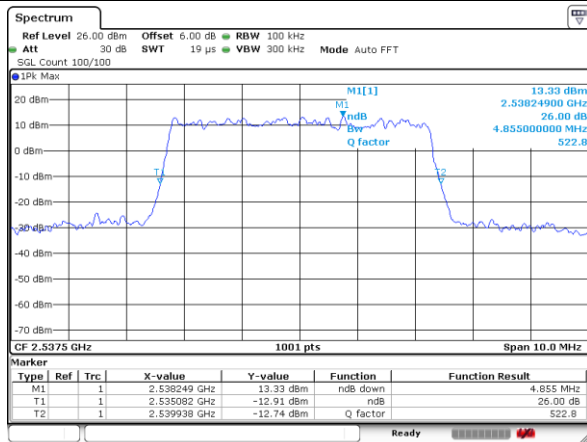


Date: 22 MAR 2020 08:24:05



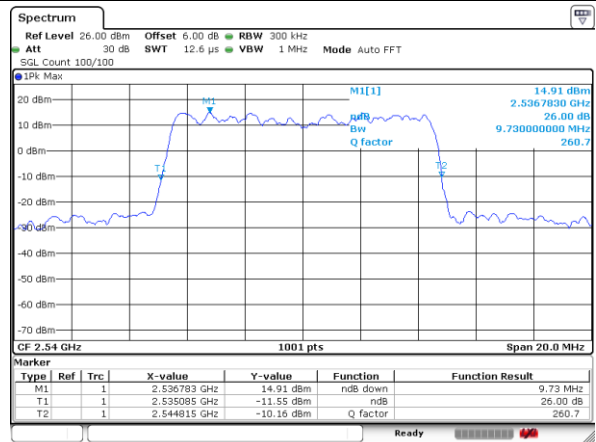
LTE Band 41

Lowest Channel / 5MHz / 64QAM



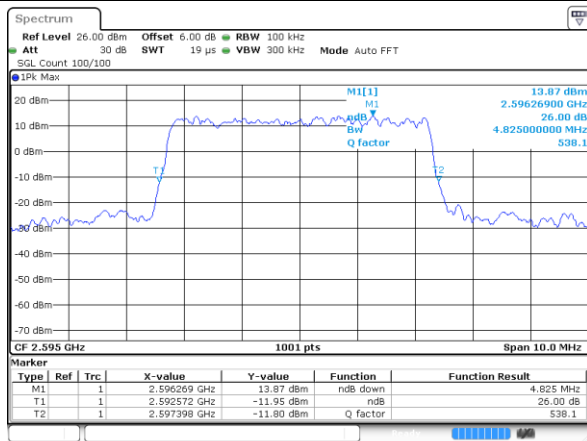
Date: 22 MAR 2020 08:02:27

Lowest Channel / 10MHz / 64QAM



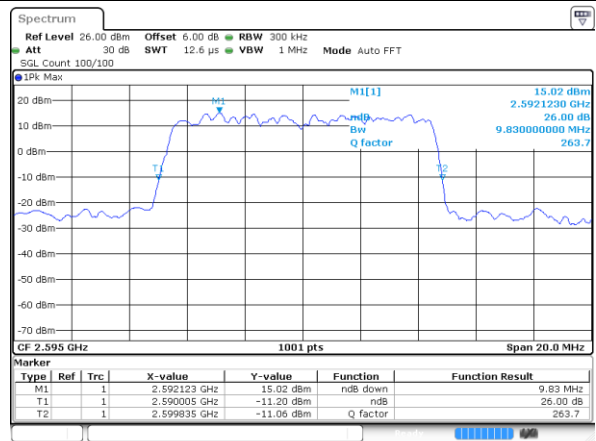
Date: 22 MAR 2020 07:50:08

Middle Channel / 5MHz / 64QAM



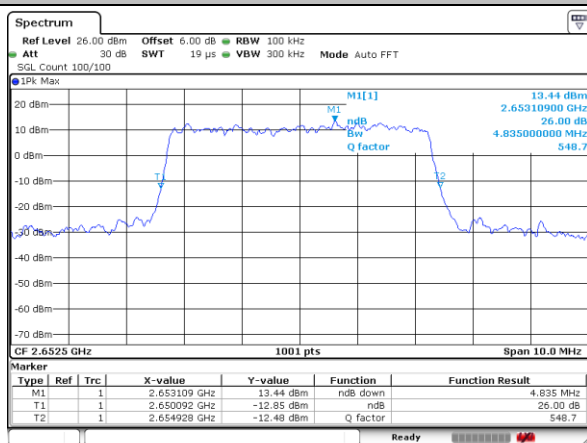
Date: 22 MAR 2020 07:11:45

Middle Channel / 10MHz / 64QAM



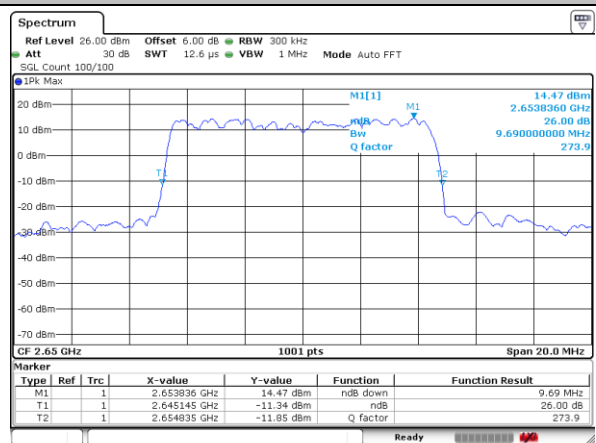
Date: 22 MAR 2020 07:30:09

Highest Channel / 5MHz / 64QAM



Date: 22 MAR 2020 08:01:48

Highest Channel / 10MHz / 64QAM



Date: 22 MAR 2020 07:47:16