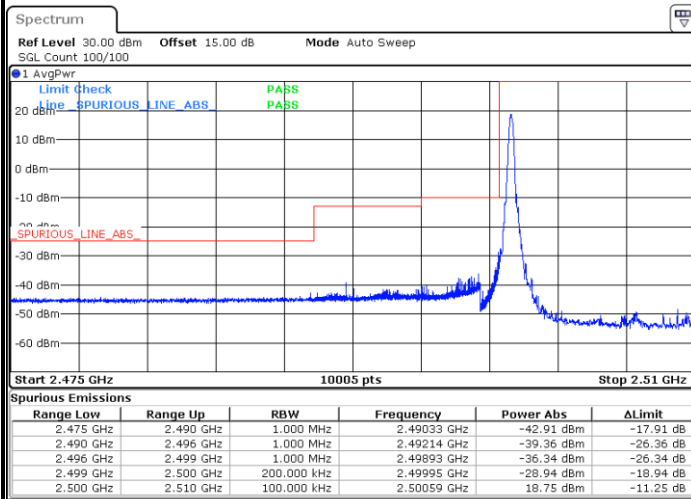


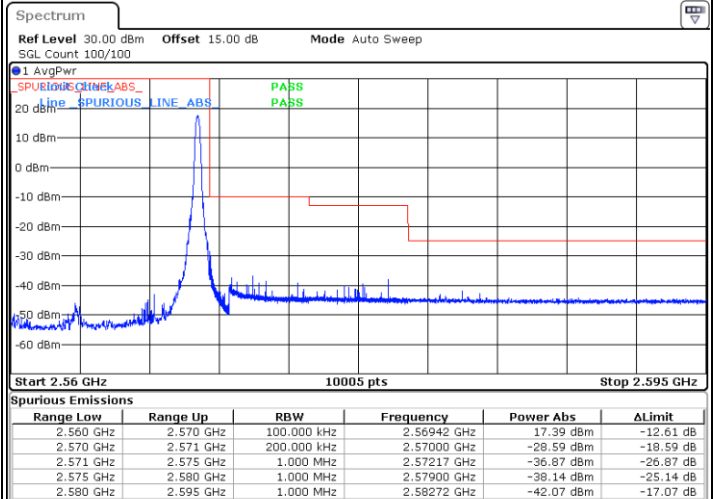


LTE Band 7 / 10MHz / 16QAM

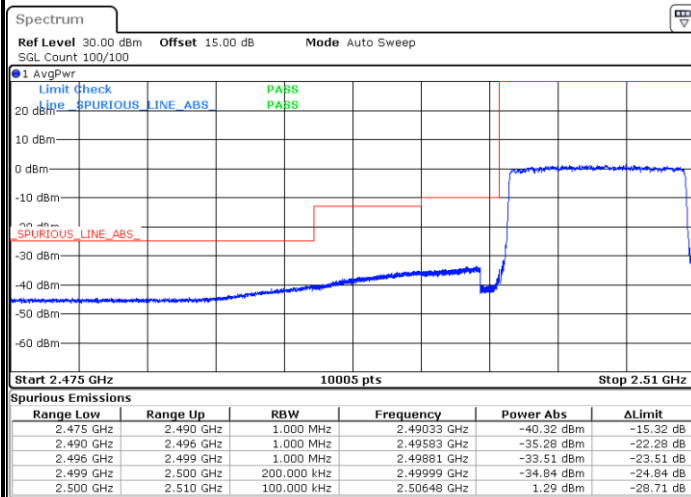
Lowest Band Edge / 1 RB



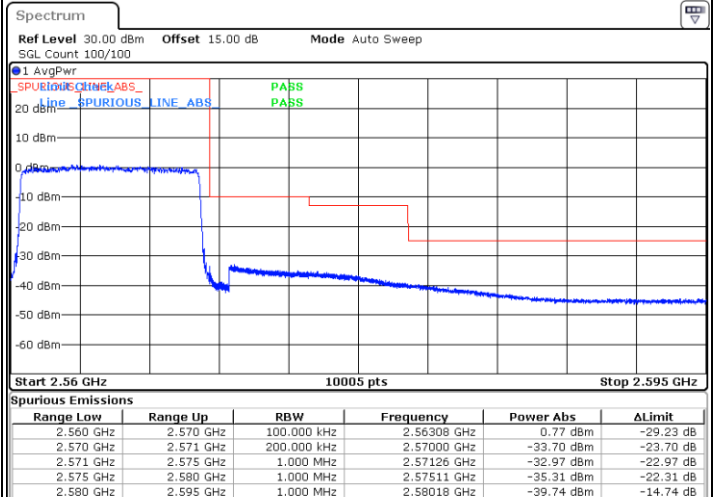
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



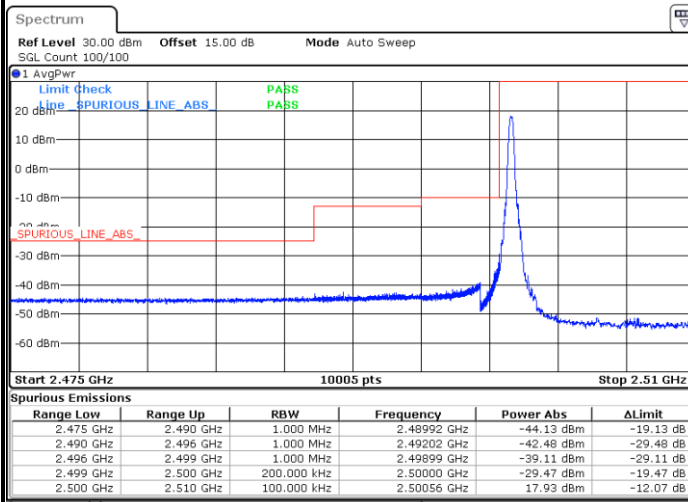
Highest Band Edge / Full RB



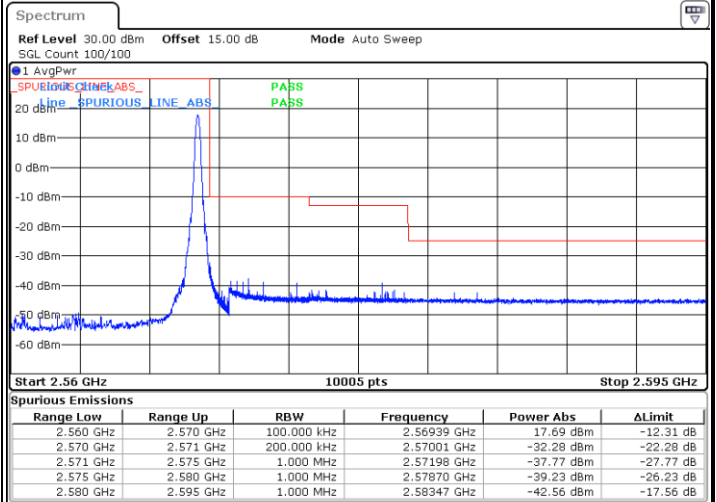


LTE Band 7 / 10MHz / 64QAM

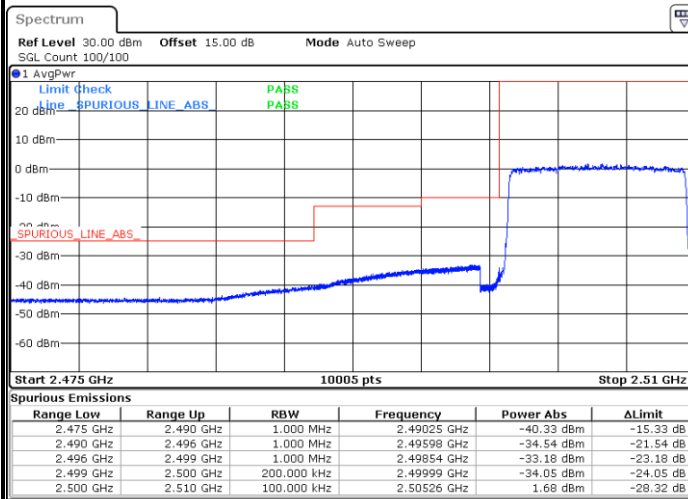
Lowest Band Edge / 1 RB



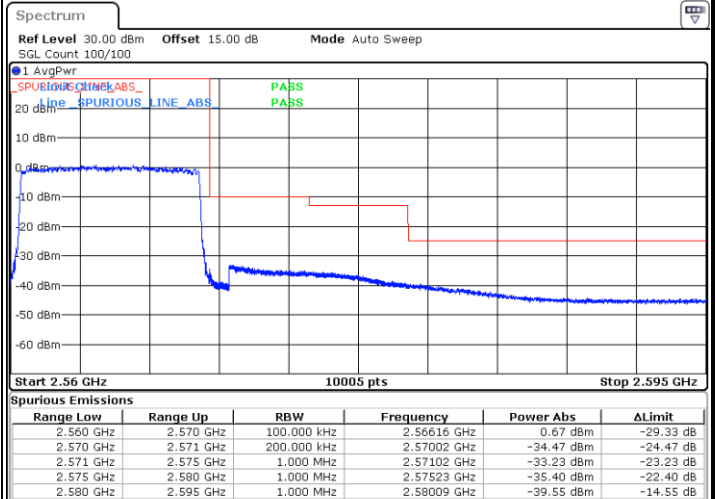
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



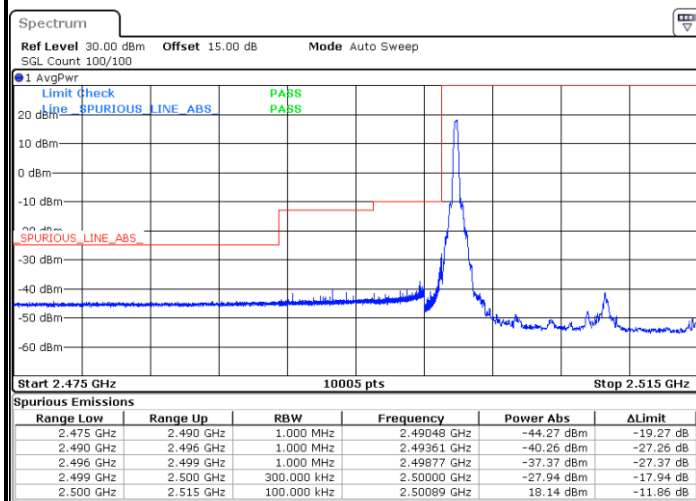
Highest Band Edge / Full RB



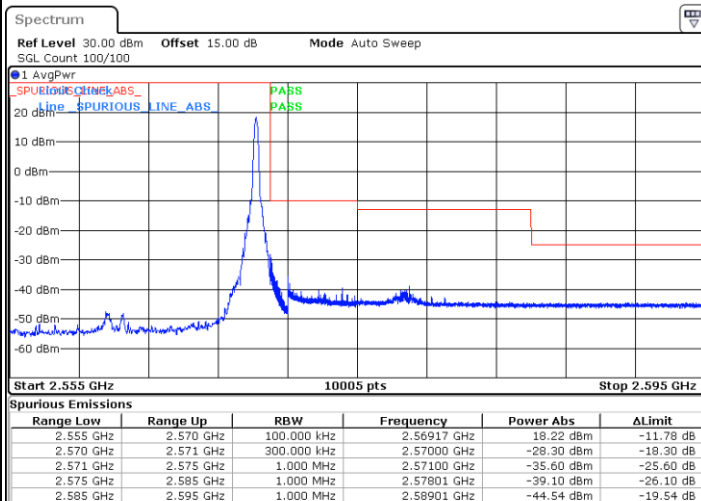


LTE Band 7 / 15MHz / QPSK

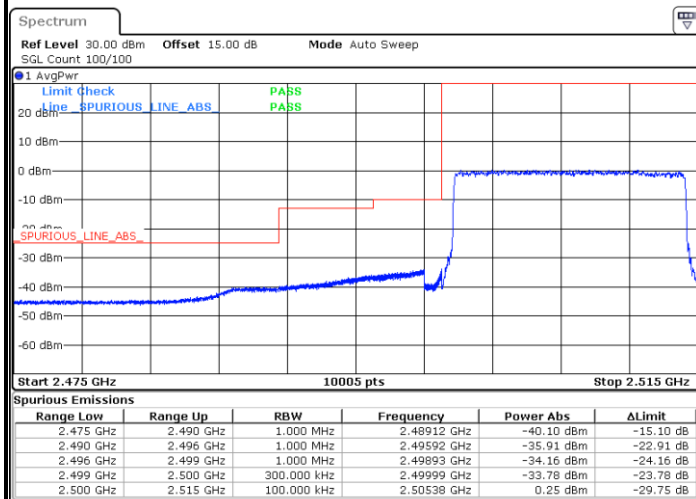
Lowest Band Edge / 1 RB



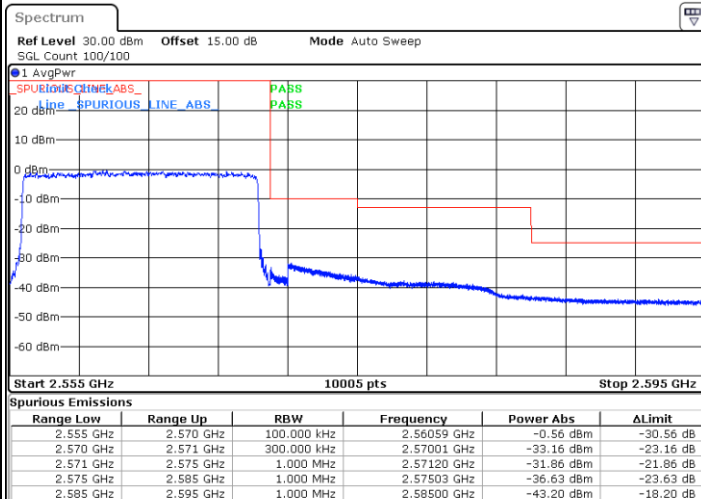
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



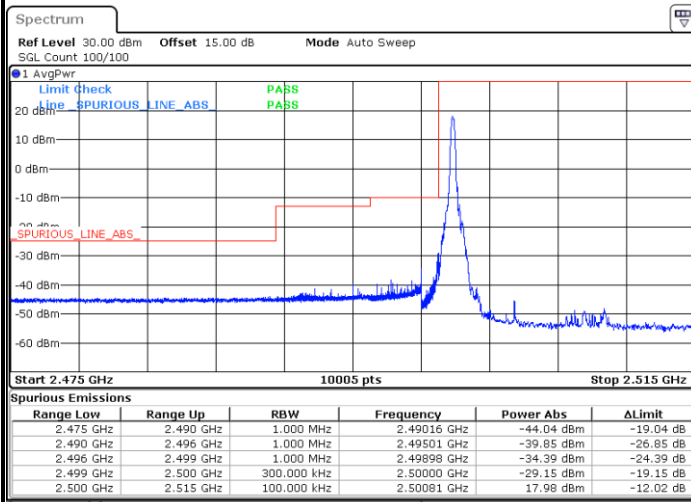
Highest Band Edge / Full RB



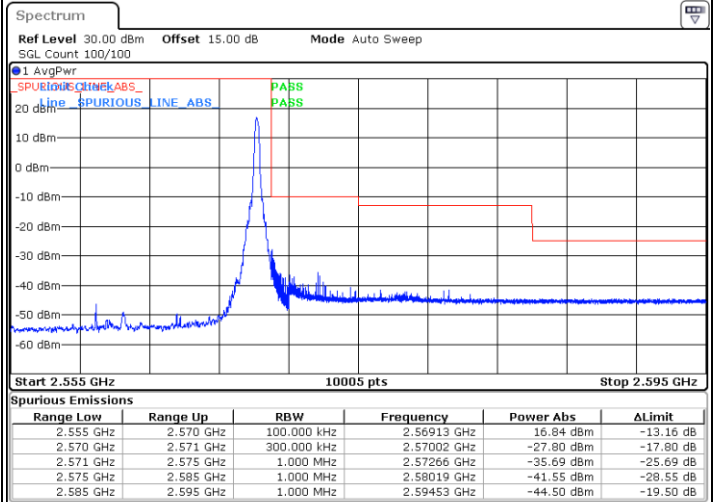


LTE Band 7 / 15MHz / 16QAM

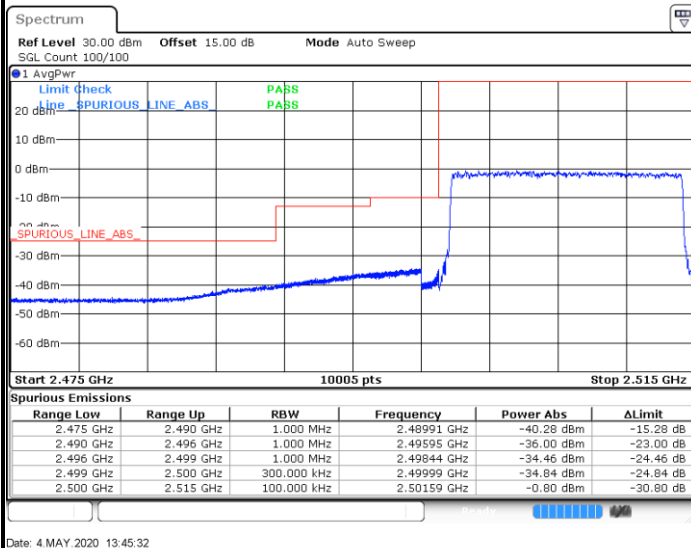
Lowest Band Edge / 1 RB



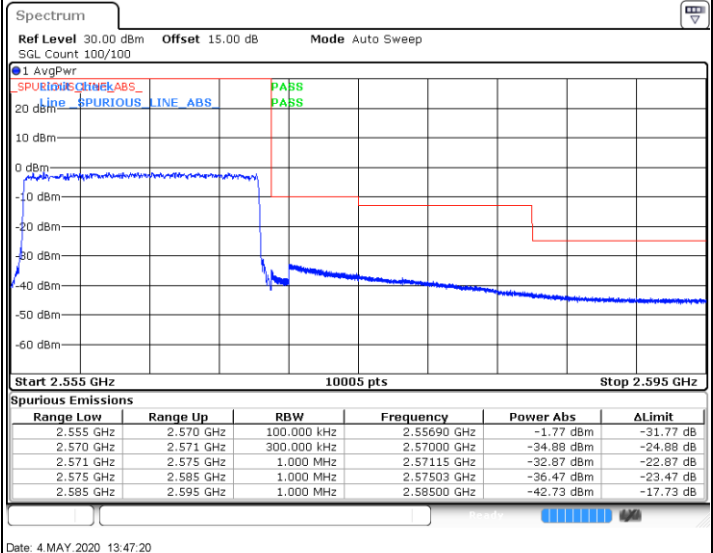
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



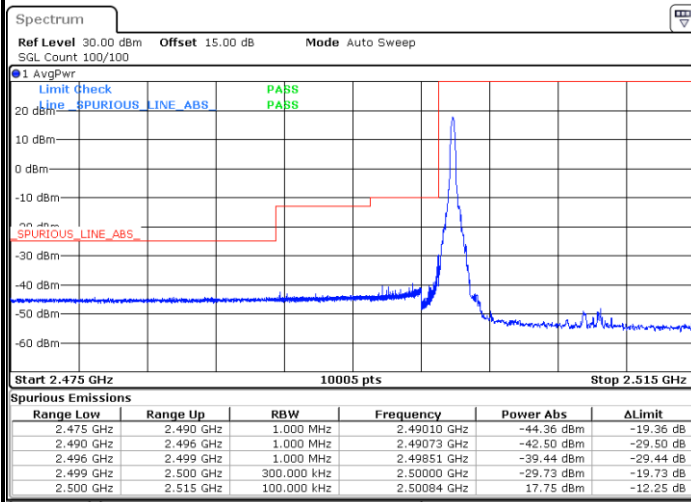
Highest Band Edge / Full RB



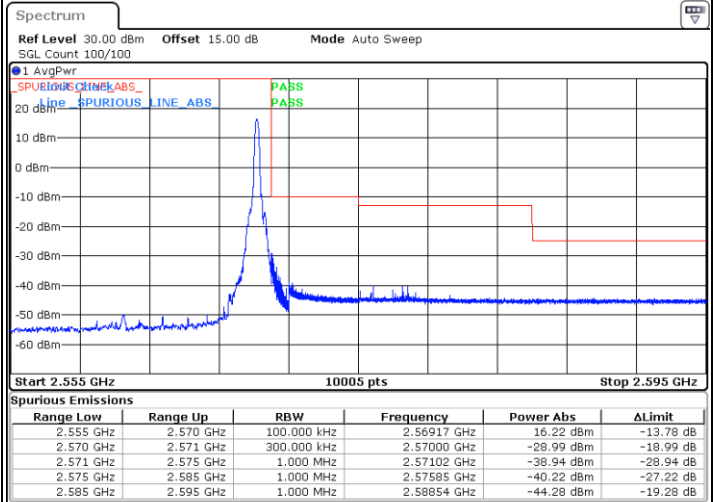


LTE Band 7 / 15MHz / 64QAM

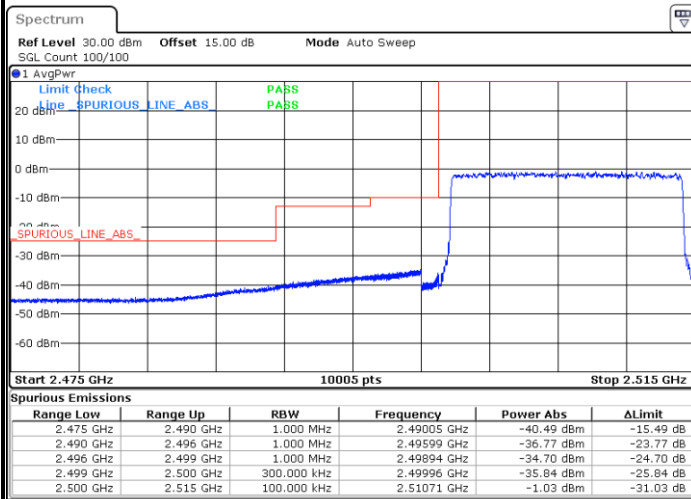
Lowest Band Edge / 1 RB



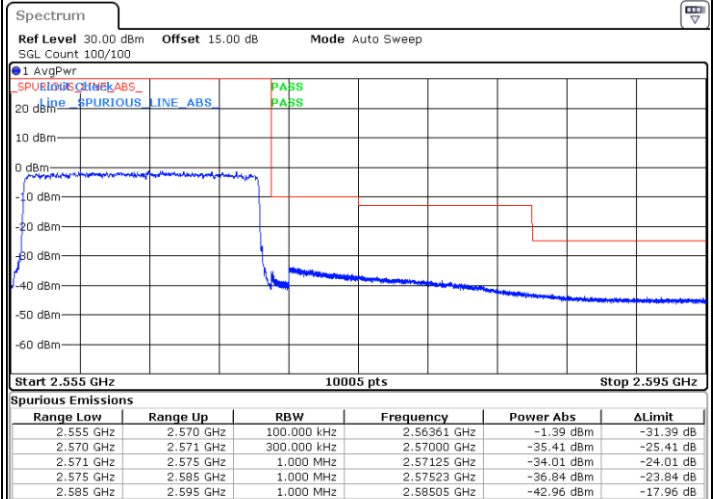
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



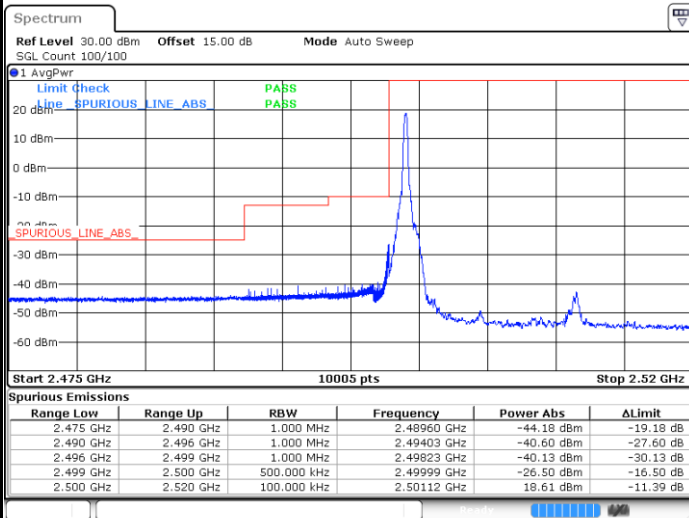
Highest Band Edge / Full RB



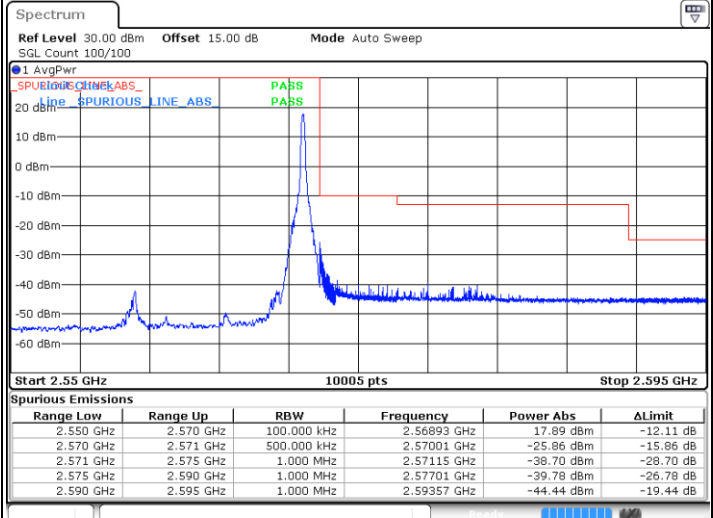


LTE Band 7 / 20MHz / QPSK

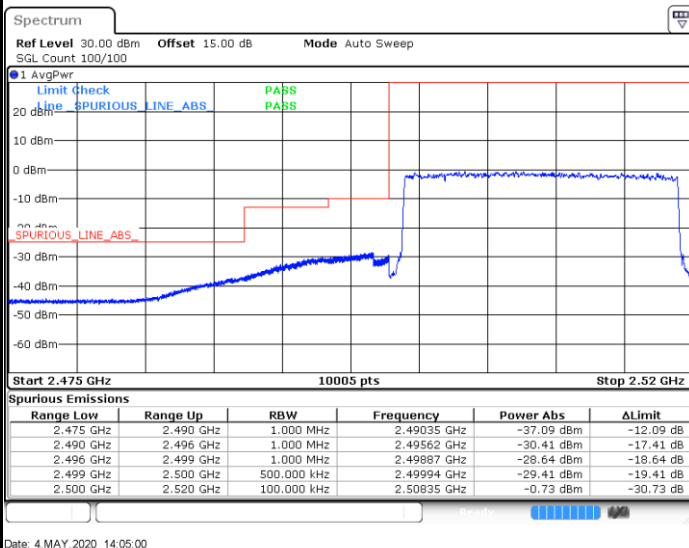
Lowest Band Edge / 1 RB



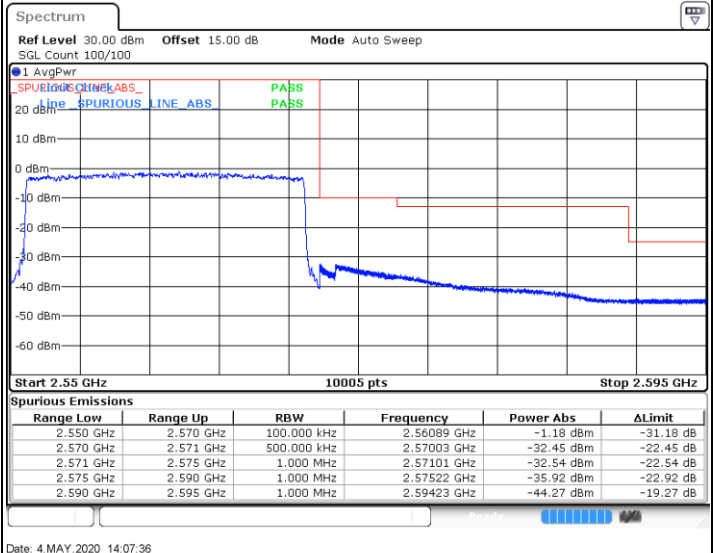
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



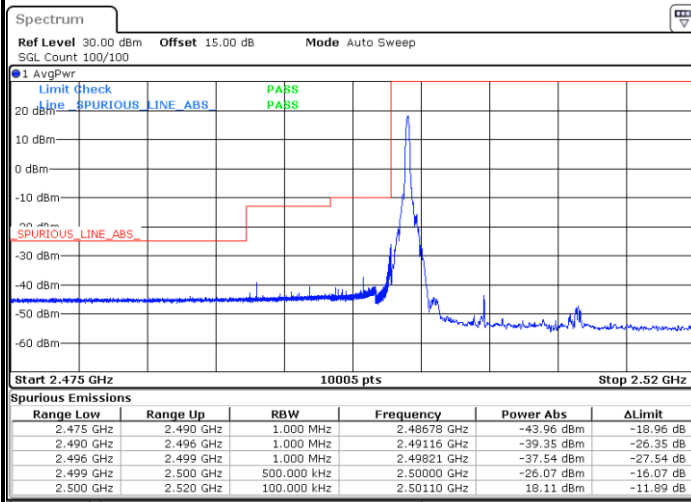
Highest Band Edge / Full RB



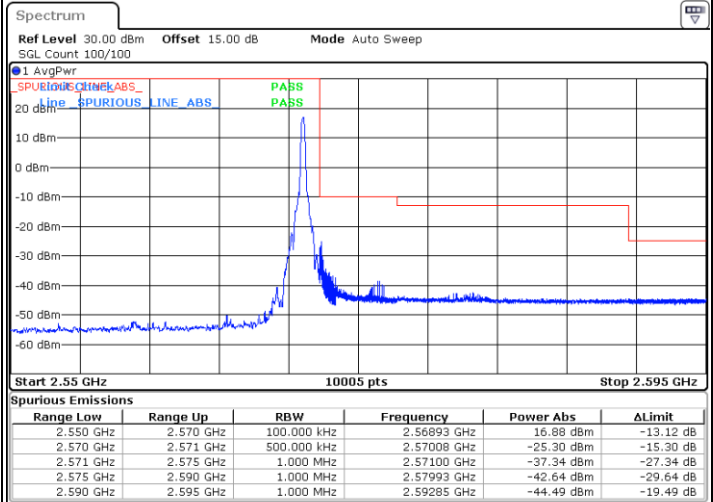


LTE Band 7 / 20MHz / 16QAM

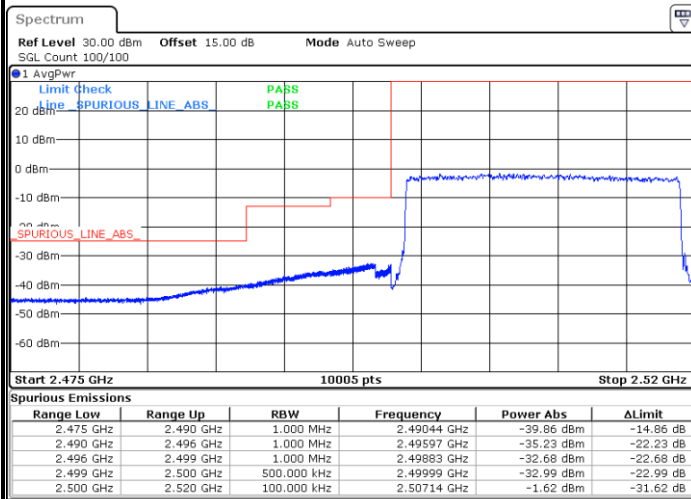
Lowest Band Edge / 1 RB



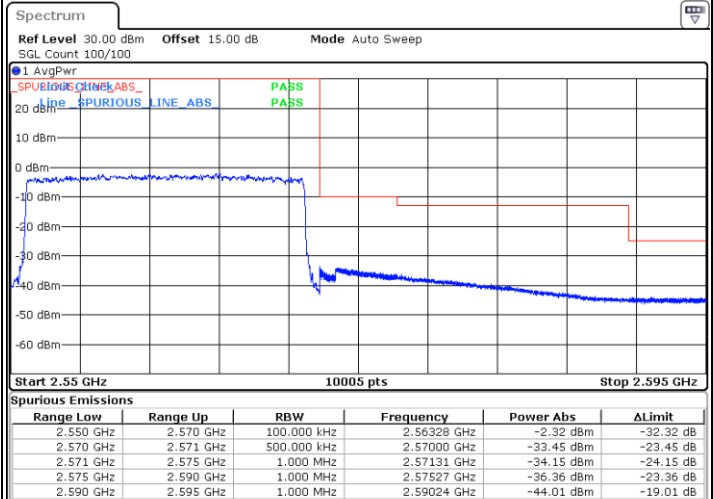
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



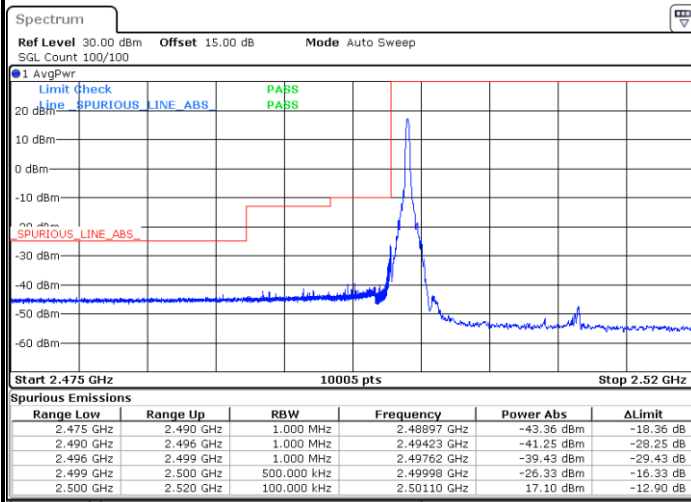
Highest Band Edge / Full RB



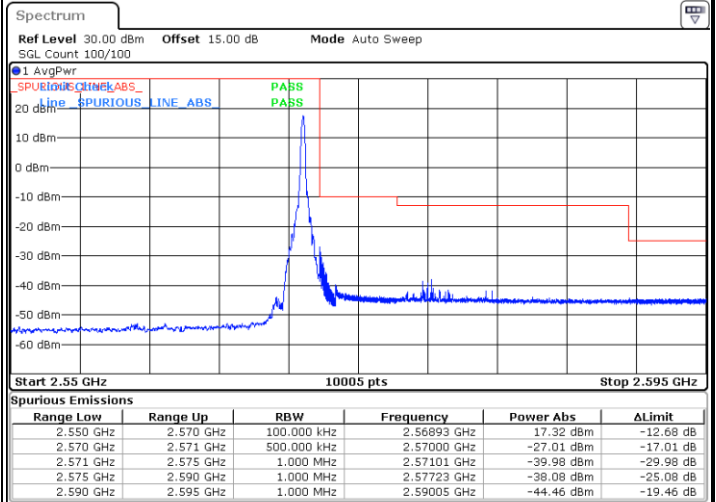


LTE Band 7 / 20MHz / 64QAM

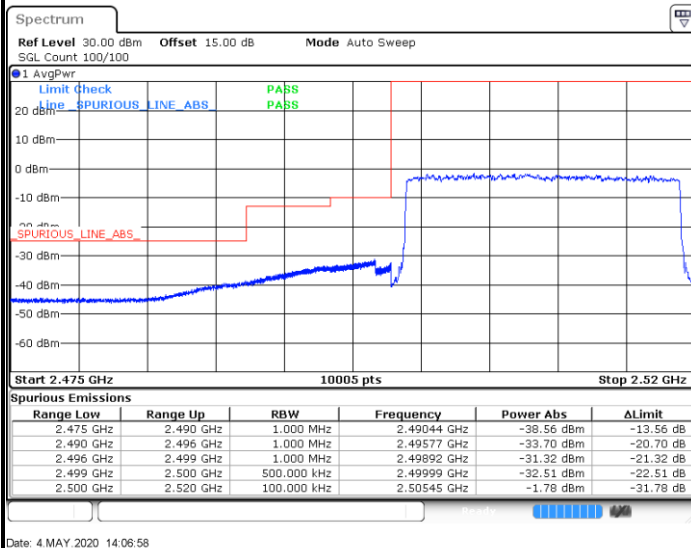
Lowest Band Edge / 1 RB



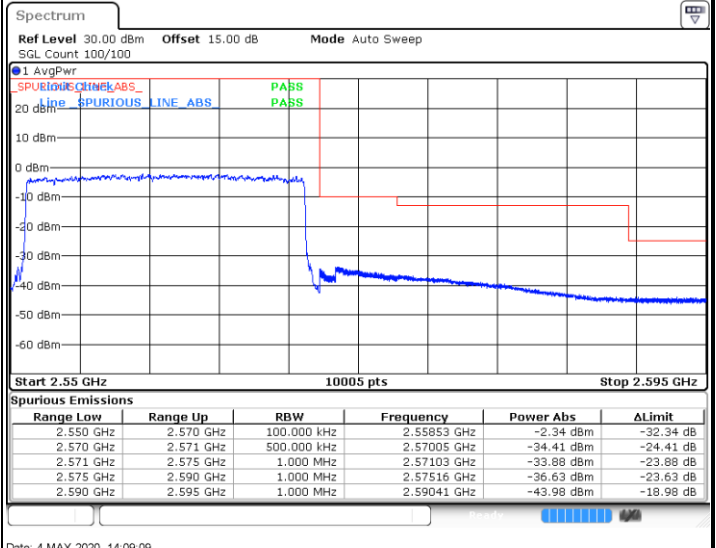
Highest Band Edge / 1 RB

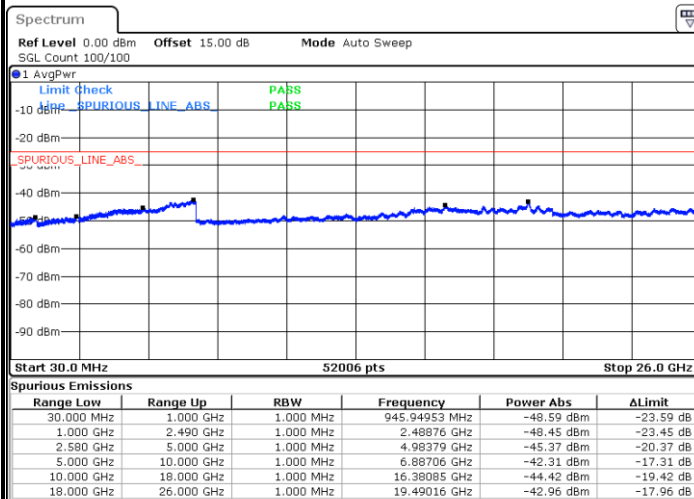


Lowest Band Edge / Full RB

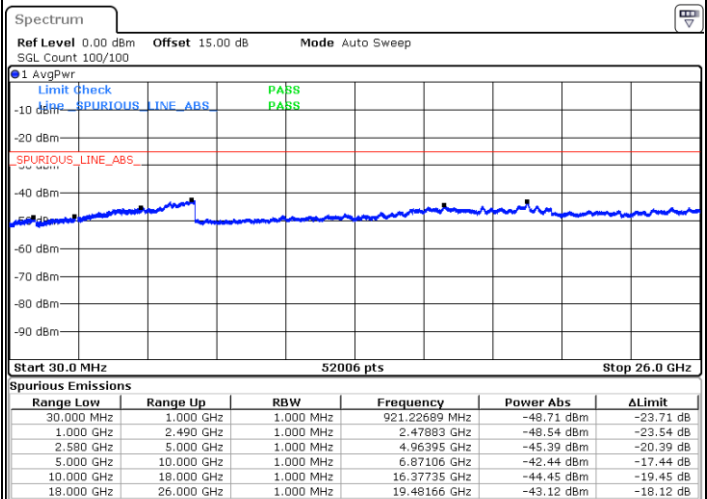


Highest Band Edge / Full RB

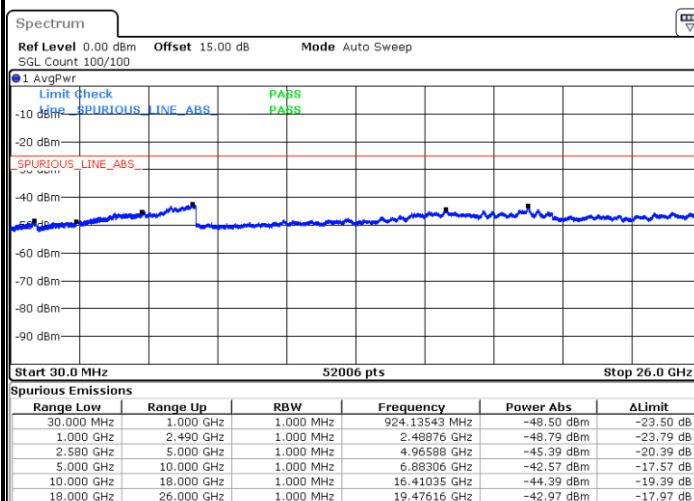


**Conducted Spurious Emission****LTE Band 7 / 5MHz****Lowest Channel / QPSK**

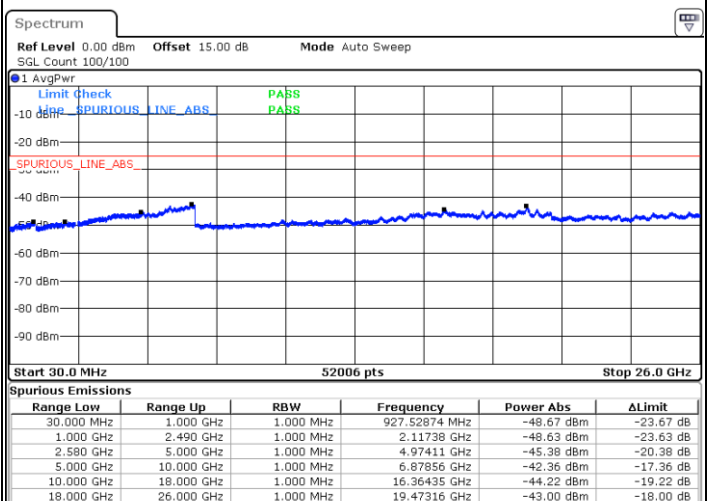
Date: 4 MAY.2020 11:32:58

Lowest Channel / 16QAM

Date: 4 MAY.2020 11:33:47

Middle Channel / QPSK

Date: 4 MAY.2020 11:37:05

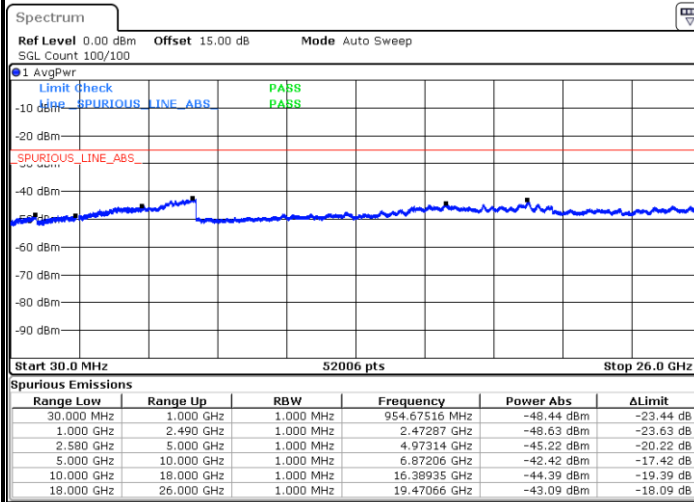
Middle Channel / 16QAM

Date: 4 MAY.2020 11:37:56



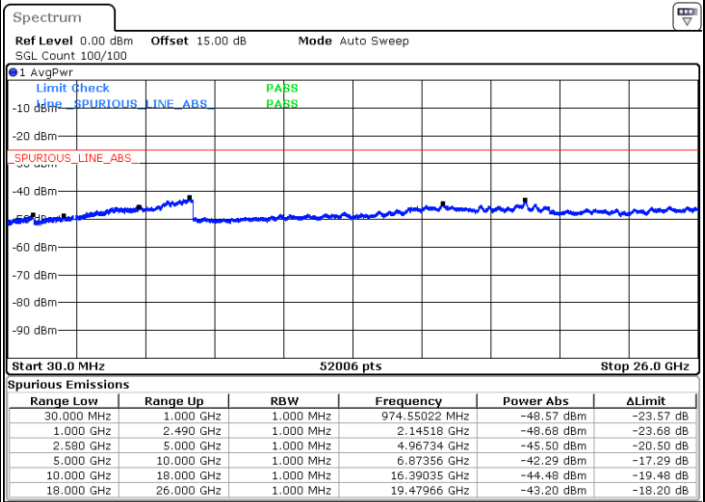
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 4 MAY 2020 11:40:47

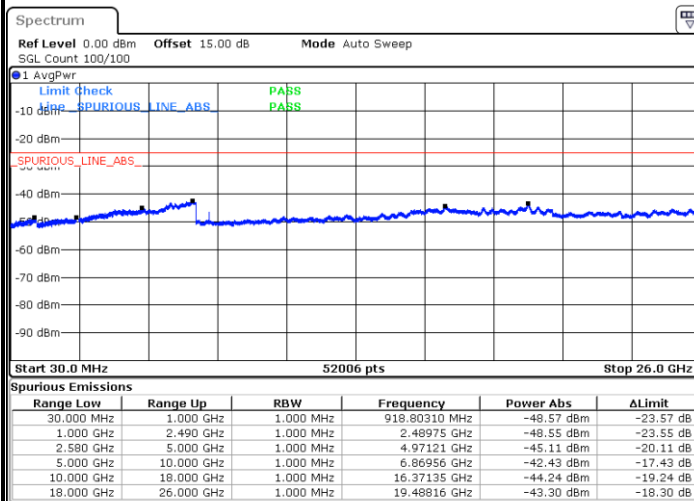
Highest Channel / 16QAM



Date: 4 MAY 2020 11:41:53

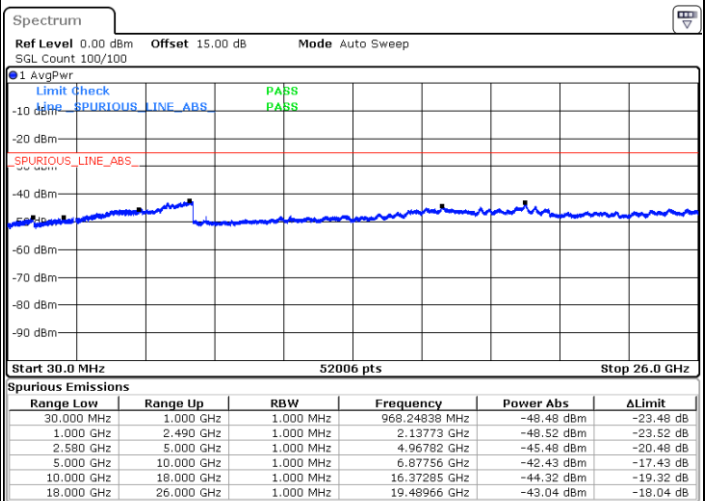
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 4 MAY 2020 13:39:42

Lowest Channel / 16QAM

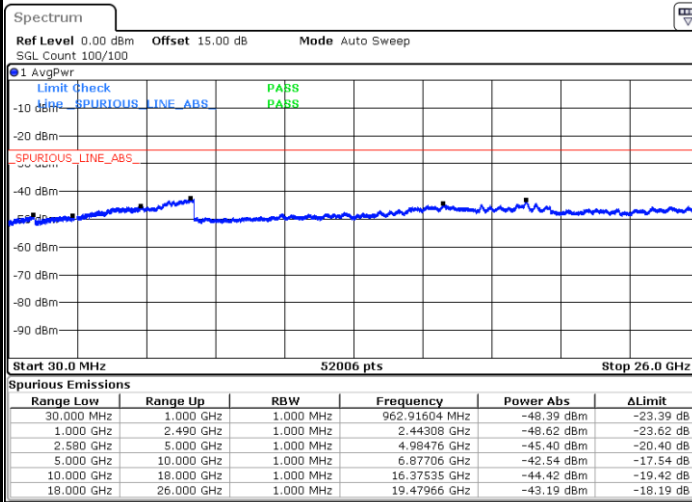


Date: 4 MAY 2020 13:32:17



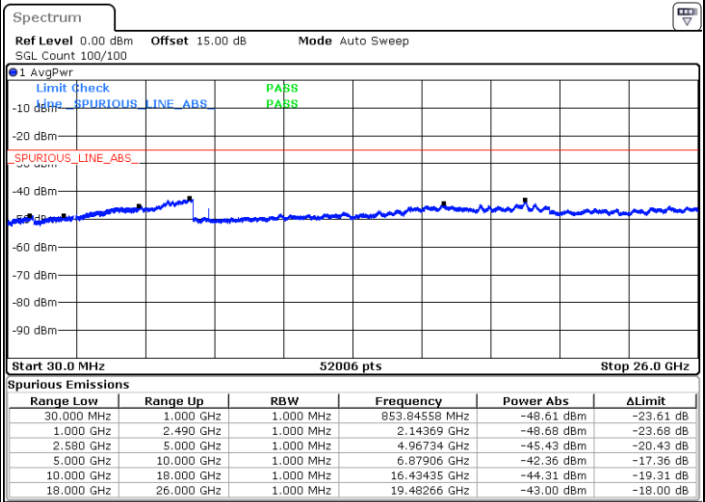
LTE Band 7 / 10MHz

Middle Channel / QPSK



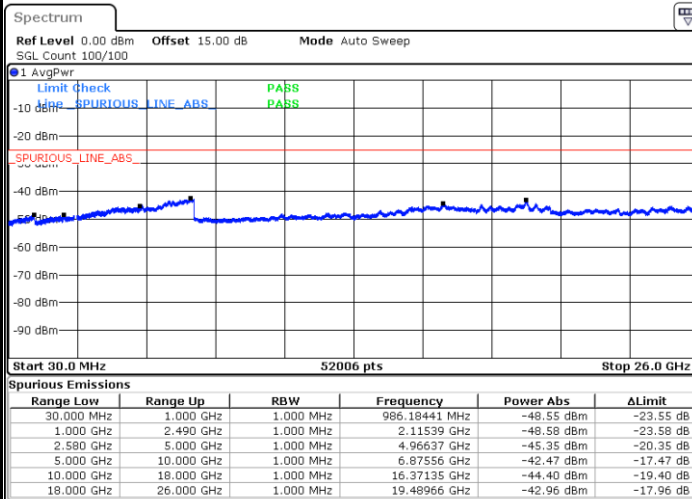
Date: 4 MAY 2020 13:40:45

Middle Channel / 16QAM



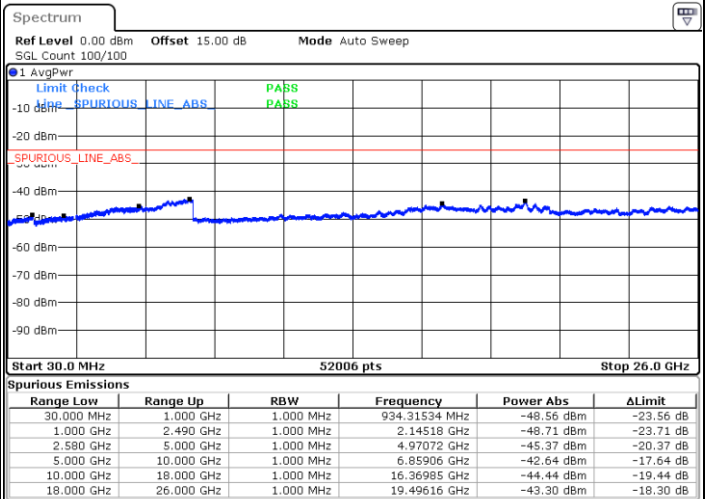
Date: 4 MAY 2020 11:59:58

Highest Channel / QPSK



Date: 4 MAY 2020 13:41:52

Highest Channel / 16QAM

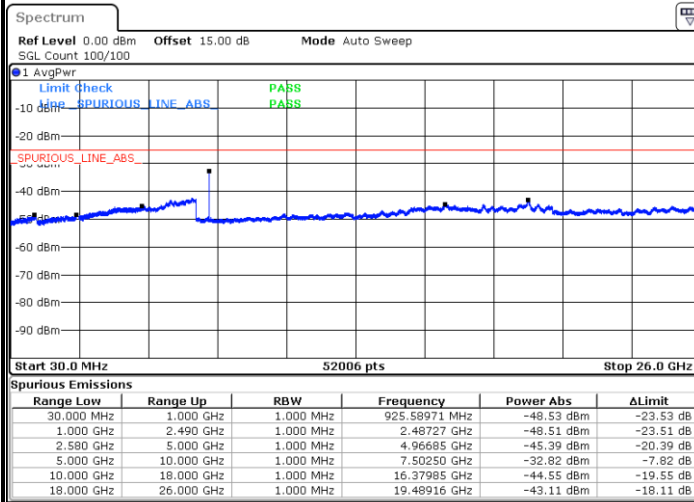


Date: 4 MAY 2020 13:42:48



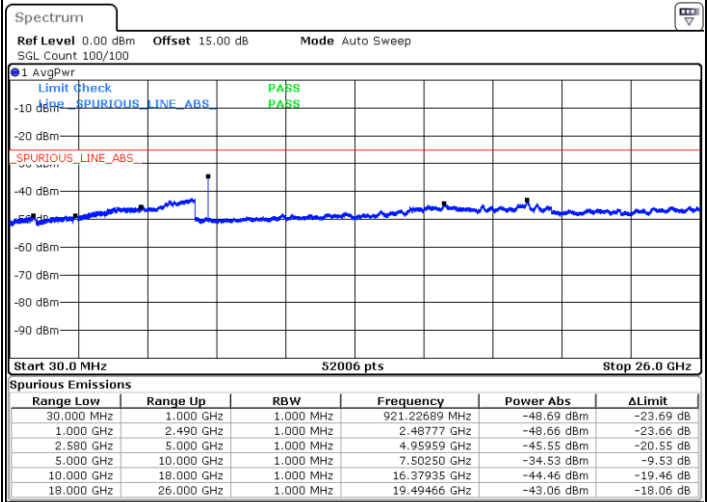
LTE Band 7 / 15MHz

Lowest Channel / QPSK



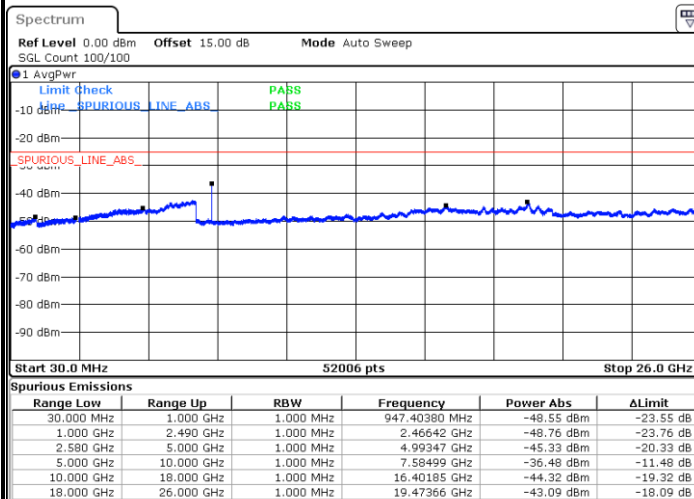
Date: 4 MAY 2020 13:52:05

Lowest Channel / 16QAM



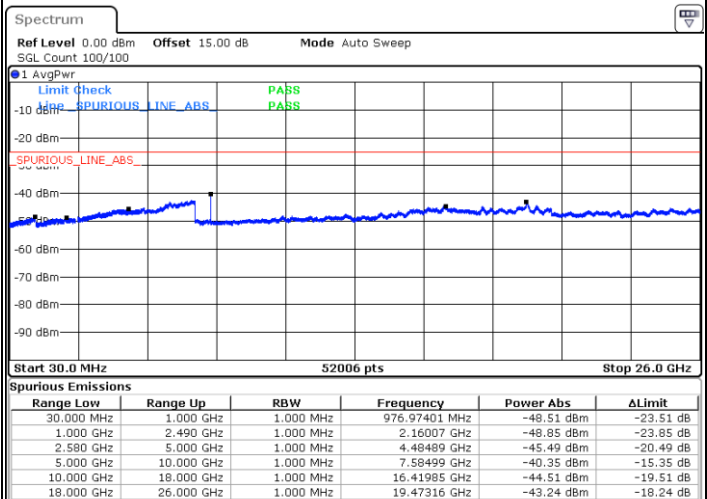
Date: 4 MAY 2020 13:52:58

Middle Channel / QPSK



Date: 4 MAY 2020 13:57:00

Middle Channel / 16QAM

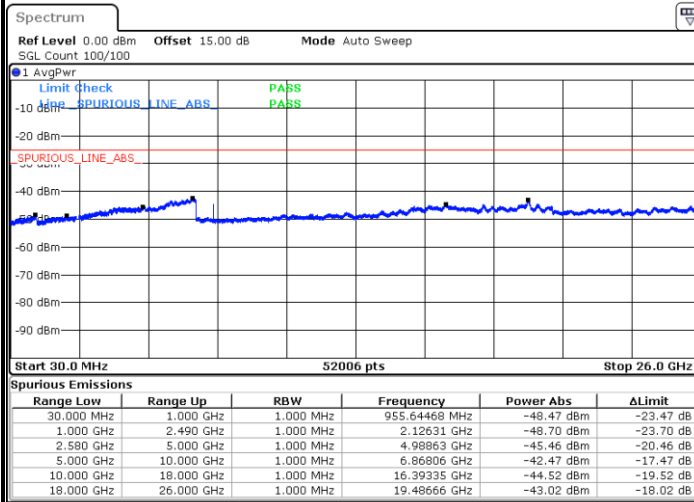


Date: 4 MAY 2020 13:58:11



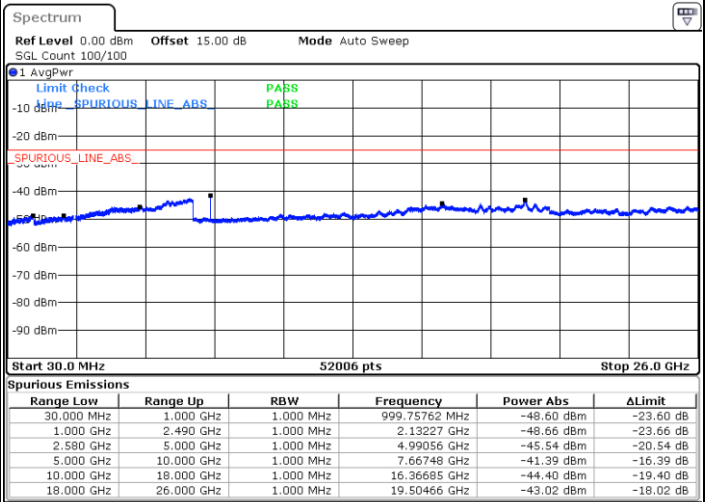
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 4 MAY 2020 14:00:14

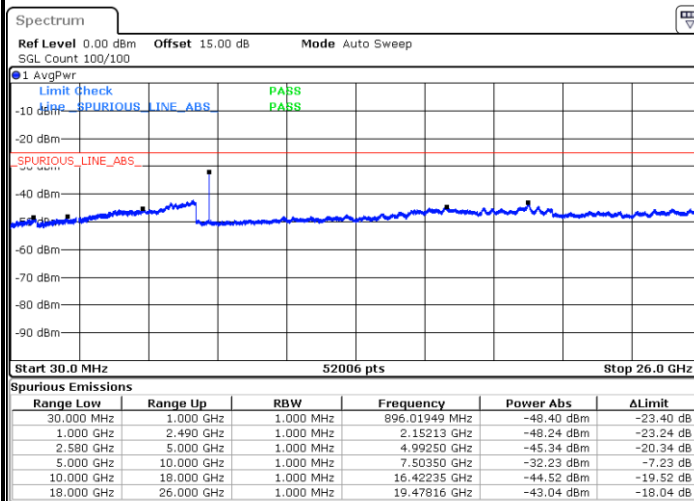
Highest Channel / 16QAM



Date: 4 MAY 2020 14:01:10

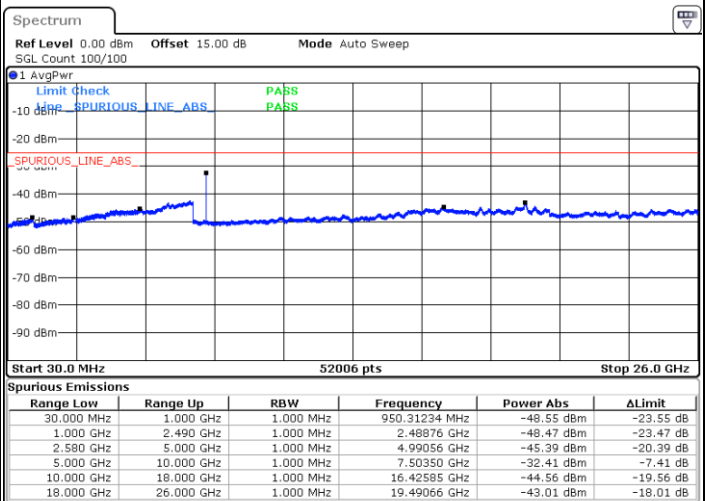
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 4 MAY 2020 14:18:04

Lowest Channel / 16QAM

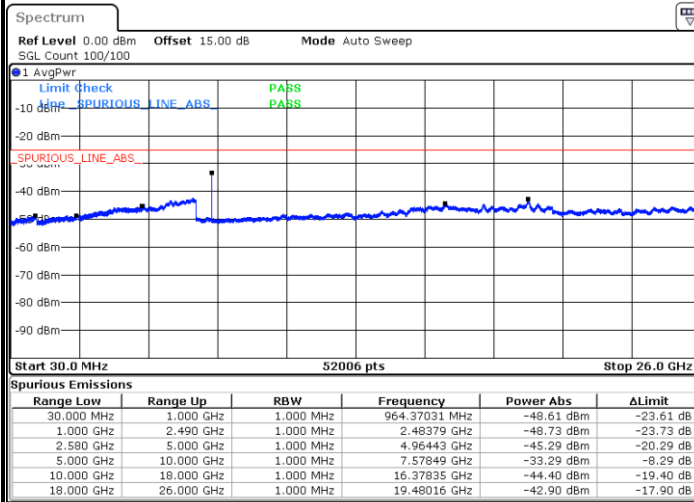


Date: 4 MAY 2020 14:20:43



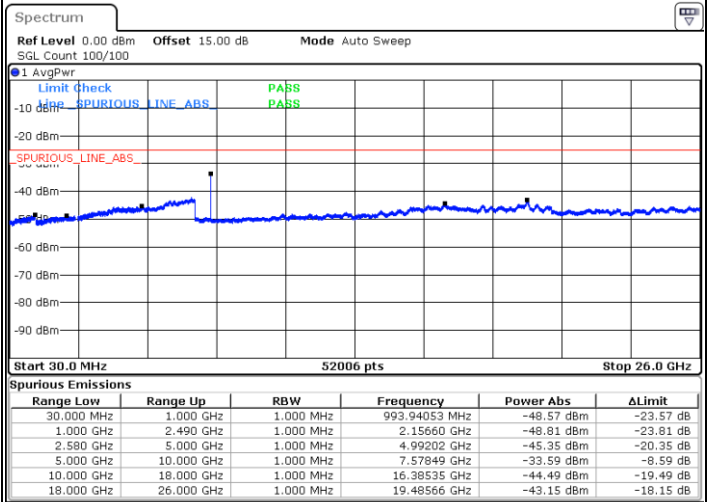
LTE Band 7 / 20MHz

Middle Channel / QPSK



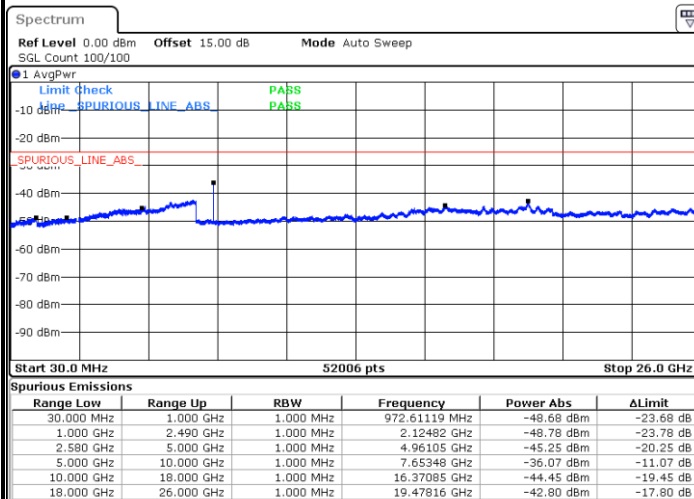
Date: 4 MAY 2020 14:22:59

Middle Channel / 16QAM



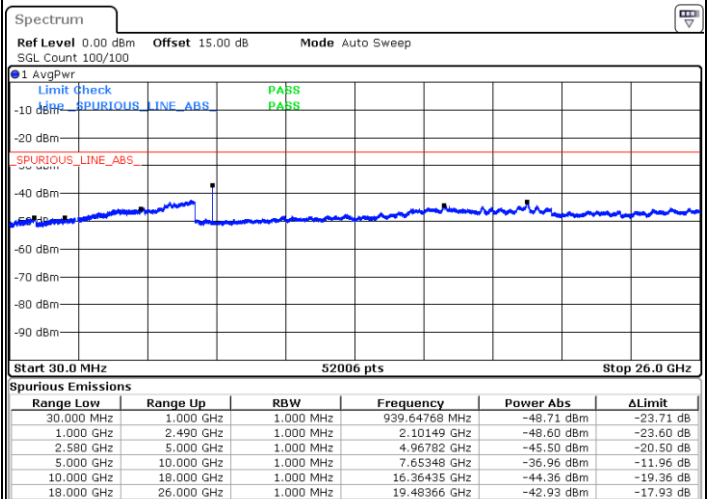
Date: 4 MAY 2020 14:24:21

Highest Channel / QPSK



Date: 4 MAY 2020 14:26:53

Highest Channel / 16QAM



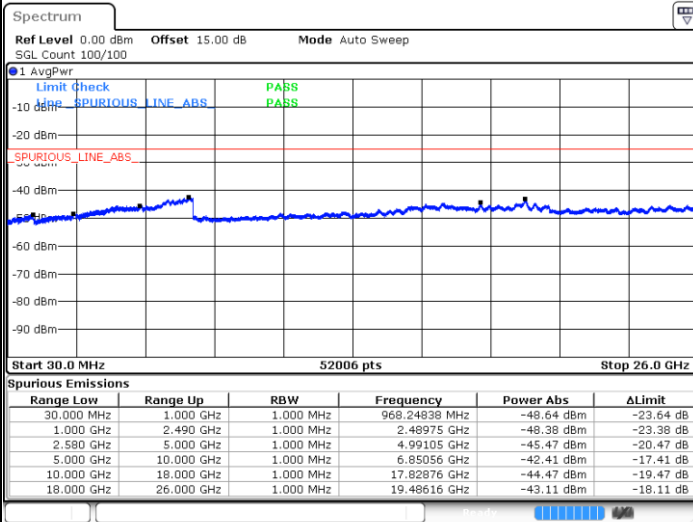
Date: 4 MAY 2020 14:28:01



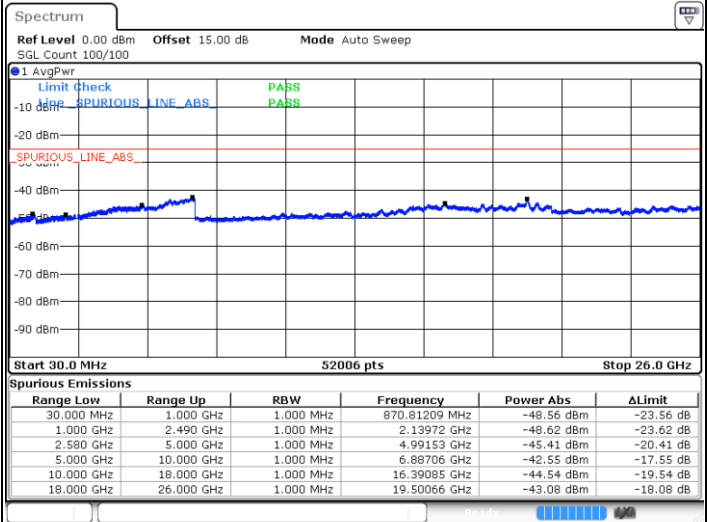
LTE Band 7 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

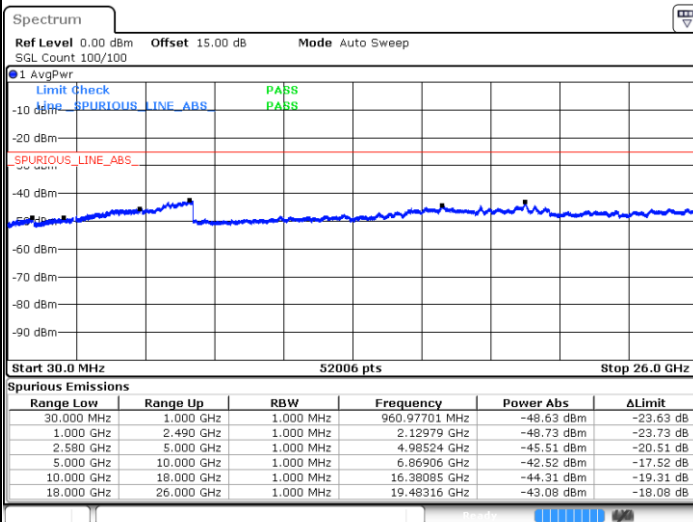


Date: 4 MAY 2020 11:34:43



Date: 4 MAY 2020 11:38:50

Highest Channel / 64QAM

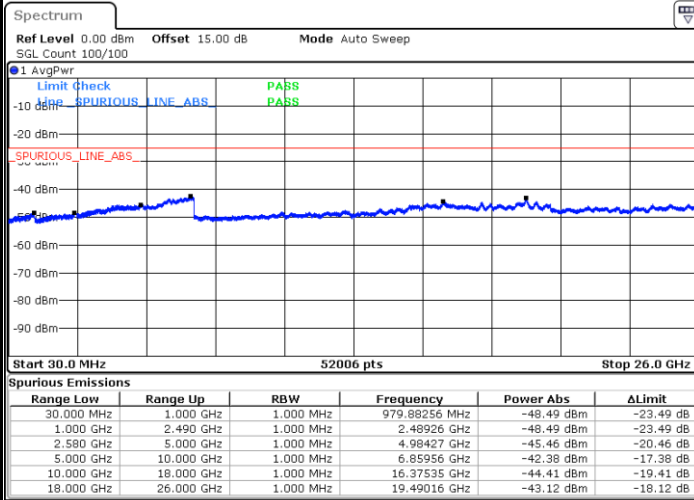


Date: 4 MAY 2020 11:42:50



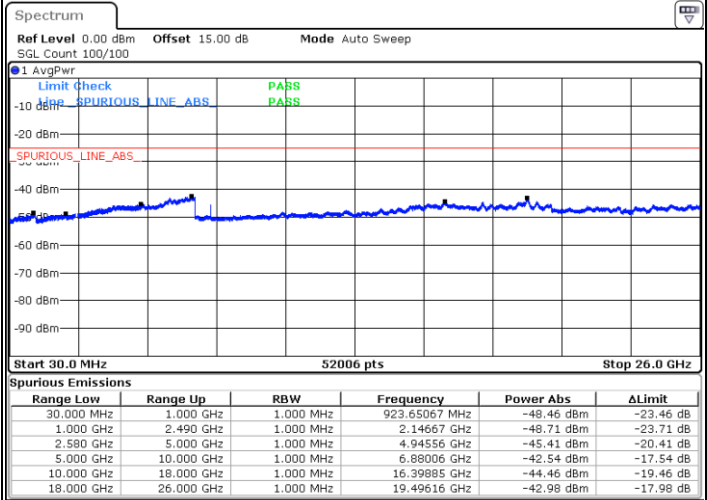
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



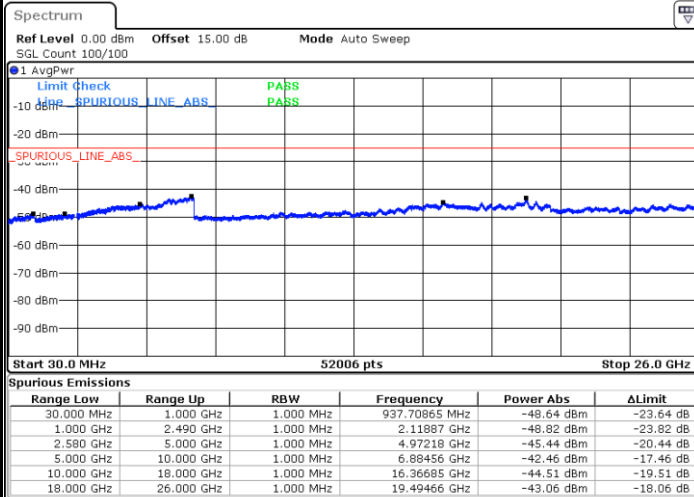
Date: 4 MAY 2020 13:38:25

Middle Channel / 64QAM



Date: 4 MAY 2020 11:58:58

Highest Channel / 64QAM

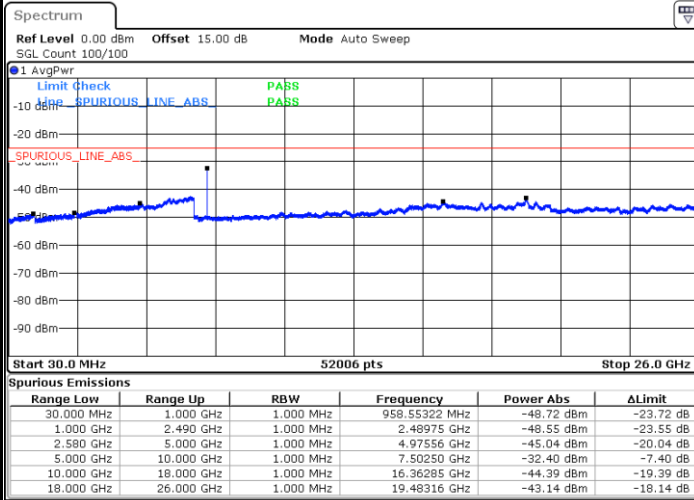


Date: 4 MAY 2020 13:43:41



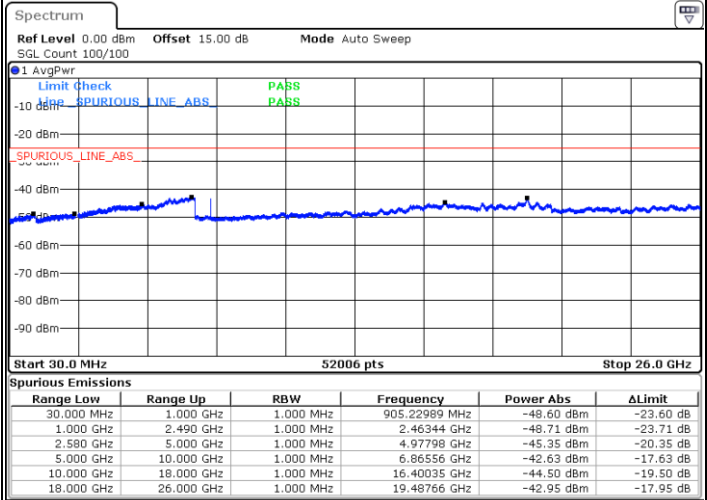
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



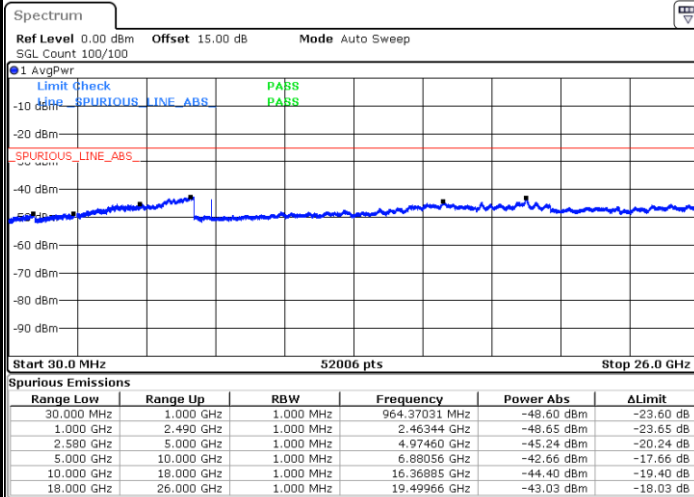
Date: 4 MAY 2020 13:53:47

Middle Channel / 64QAM



Date: 4 MAY 2020 13:59:04

Highest Channel / 64QAM

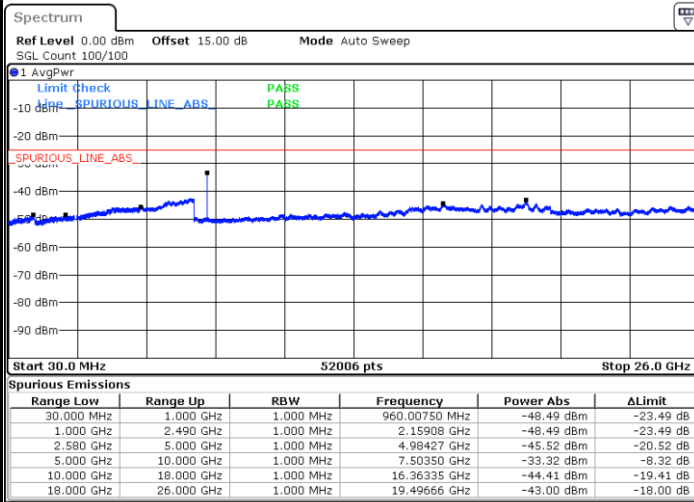


Date: 4 MAY 2020 14:02:11



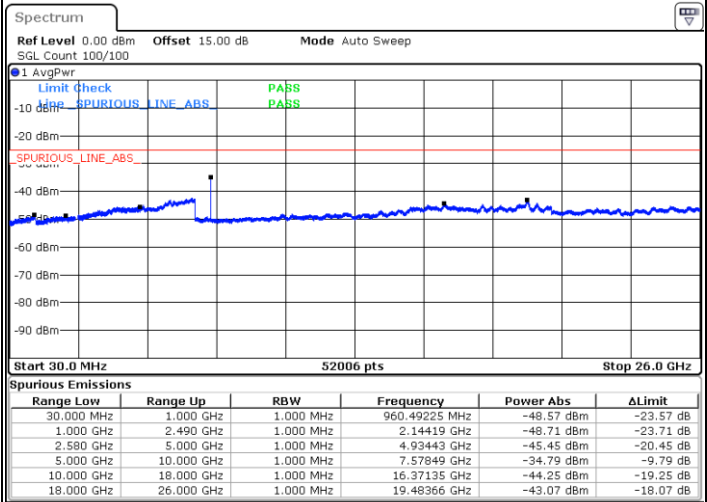
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



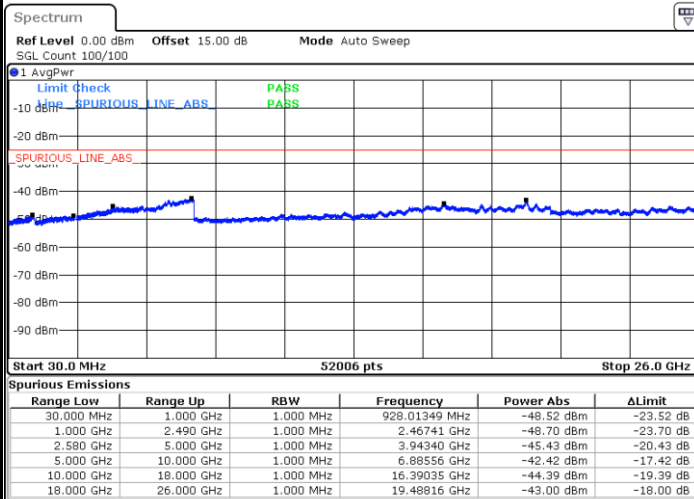
Date: 4 MAY 2020 14:21:45

Middle Channel / 64QAM



Date: 4 MAY 2020 14:25:45

Highest Channel / 64QAM



Date: 4 MAY 2020 14:30:49

**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	0.0006	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note:

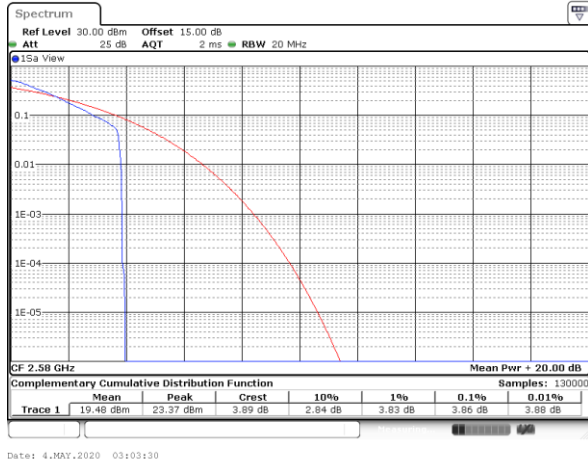
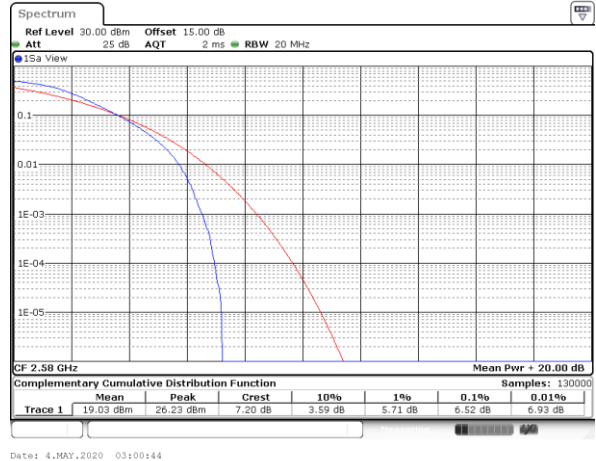
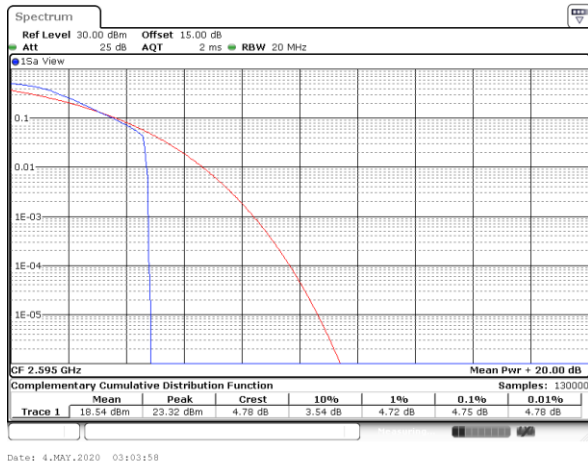
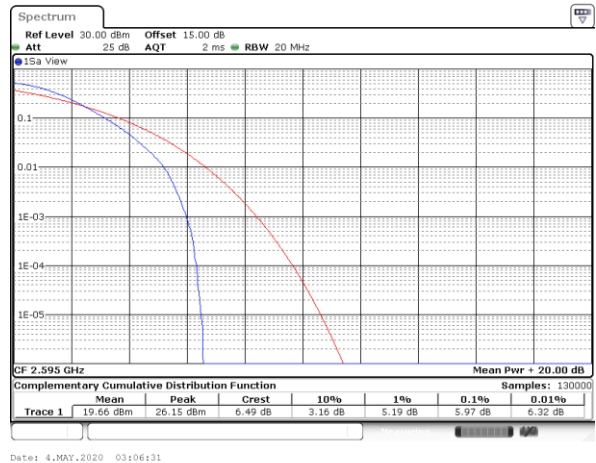
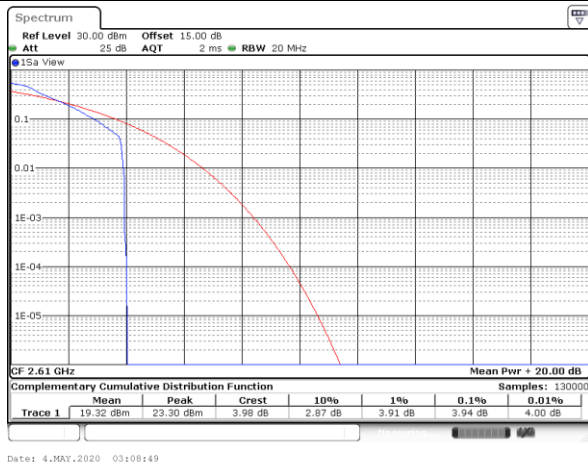
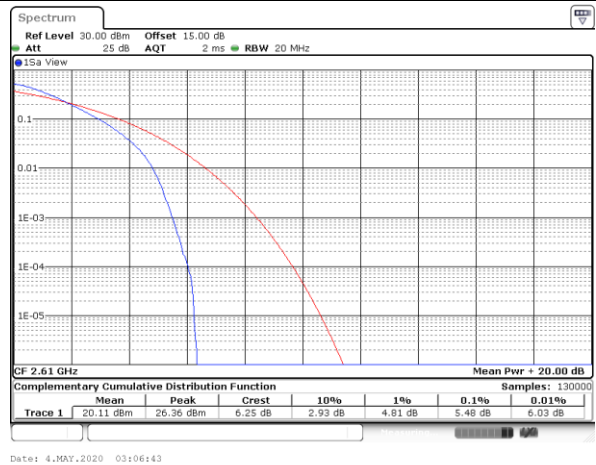
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

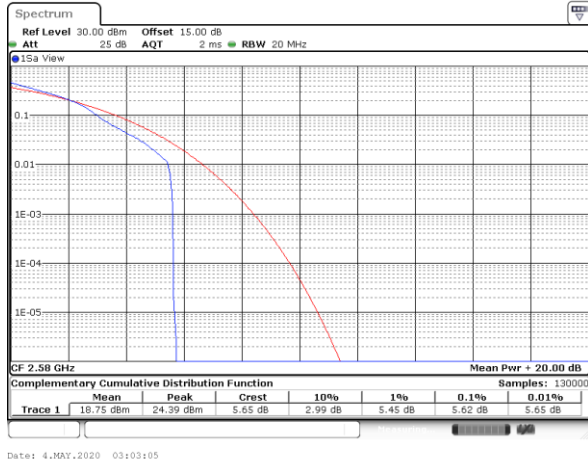
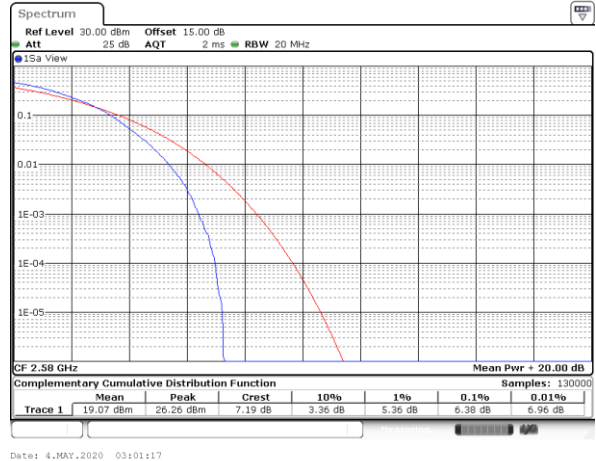
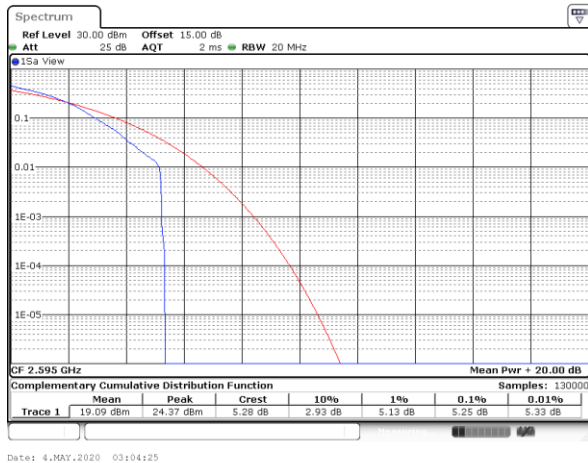
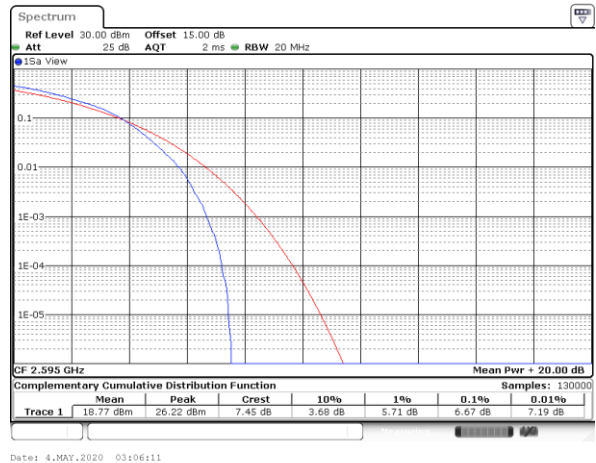
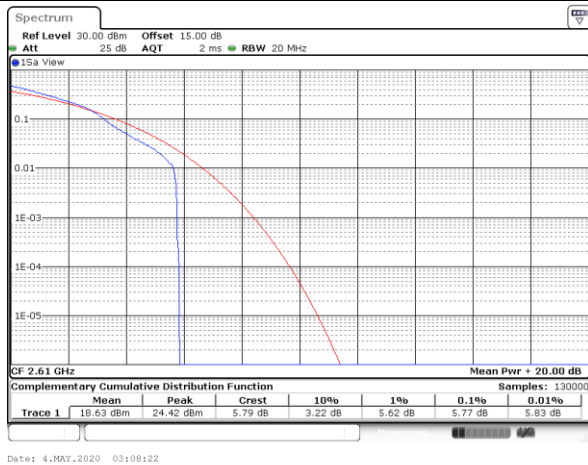
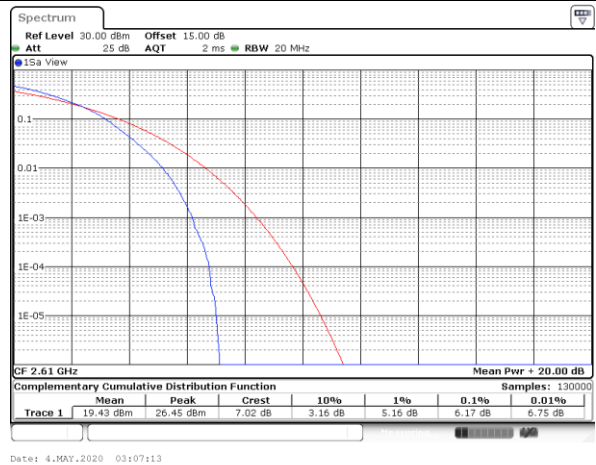


LTE Band 38

Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.86	6.52	5.62	6.38	PASS
Middle CH	4.75	5.97	5.25	6.67	
Highest CH	3.94	5.48	5.77	6.17	
Mode	LTE Band 38 / 20MHz				
Mod.	64QAM		-		Limit: 13dB
RB Size	1RB	Full RB	-	-	Result
Lowest CH	5.77	6.49	-	-	PASS
Middle CH	5.62	6.32	-	-	
Highest CH	6.03	6.81	-	-	

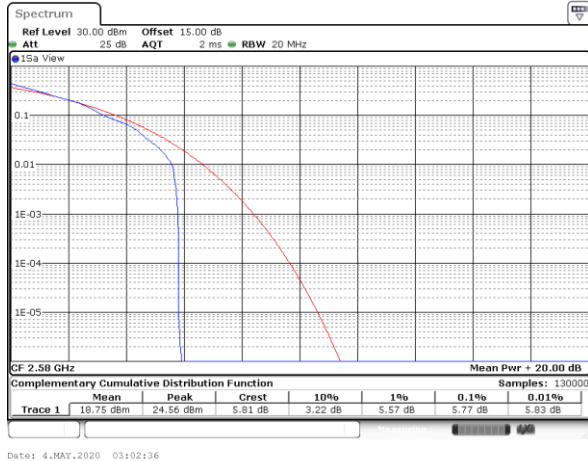
LTE Band 38 / 20MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


LTE Band 38 / 20MHz / 16QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


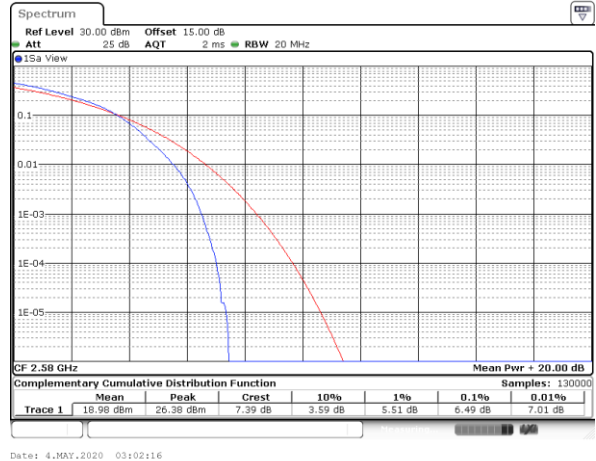


LTE Band 38 / 20MHz / 64QAM

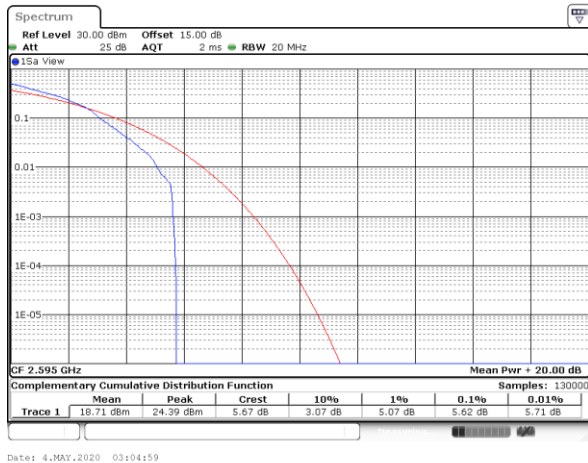
Lowest Channel / 1RB



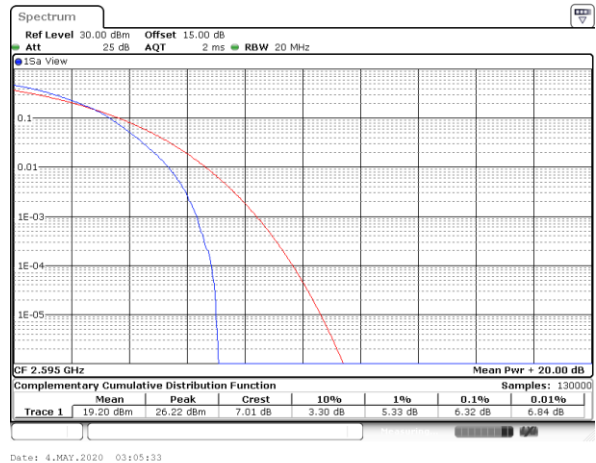
Lowest Channel / Full RB



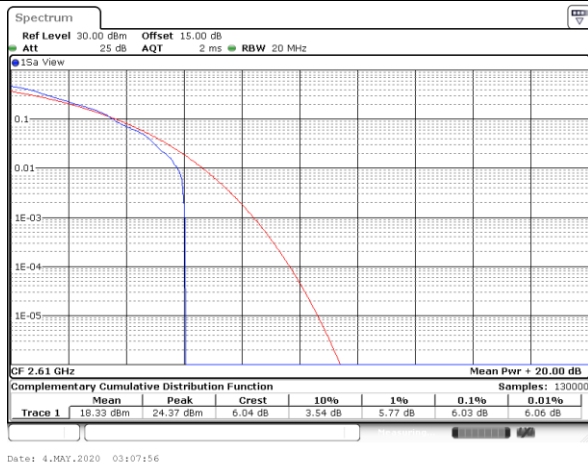
Middle Channel / 1RB



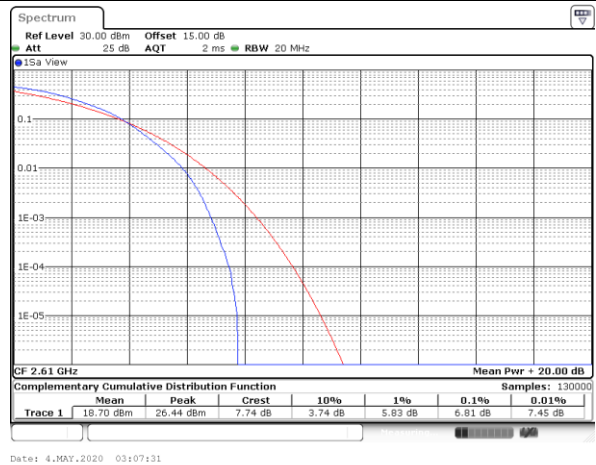
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



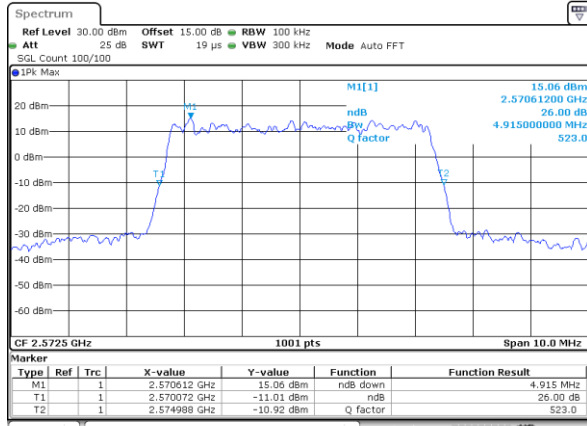
**26dB Bandwidth**

Mode	LTE Band 38 : 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	-	-	-	-	4.92	4.90	9.63	9.87	14.30	14.30	18.94	18.70
Middle CH	-	-	-	-	4.90	4.93	9.67	9.63	14.12	14.24	18.78	18.74
Highest CH	-	-	-	-	4.93	4.78	9.79	9.63	14.21	14.51	18.86	18.74
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	-	-	-	-	4.78	-	9.75	-	14.66	-	18.82	-
Middle CH	-	-	-	-	4.85	-	9.63	-	14.18	-	18.78	-
Highest CH	-	-	-	-	4.74	-	9.73	-	14.24	-	18.62	-



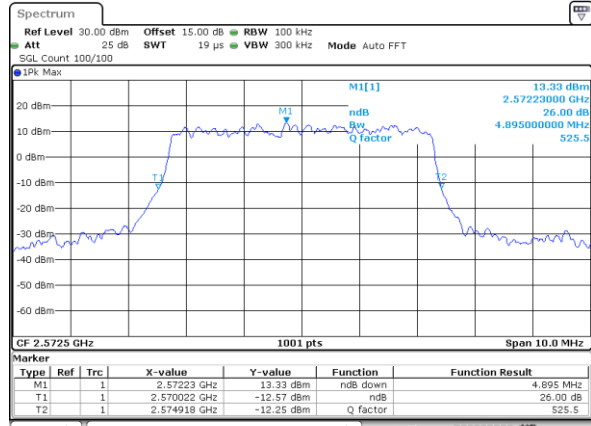
LTE Band 38

Lowest Channel / 5MHz / QPSK



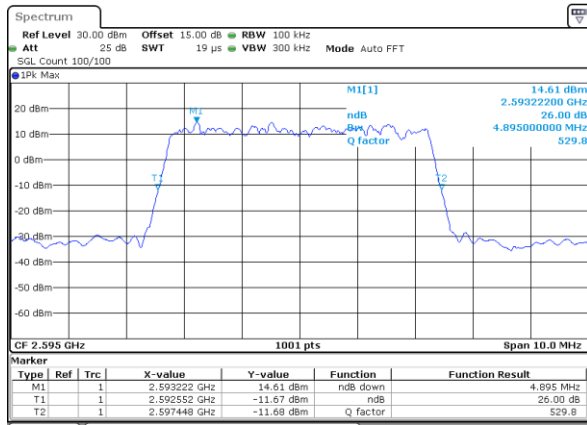
Date: 4.MAY.2020 02:42:22

Lowest Channel / 5MHz / 16QAM



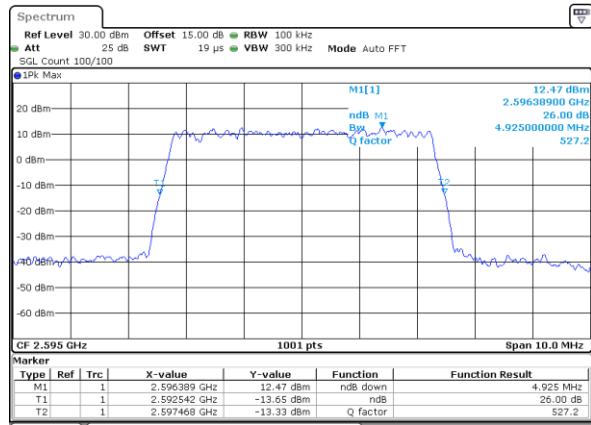
Date: 4.MAY.2020 02:42:33

Middle Channel / 5MHz / QPSK



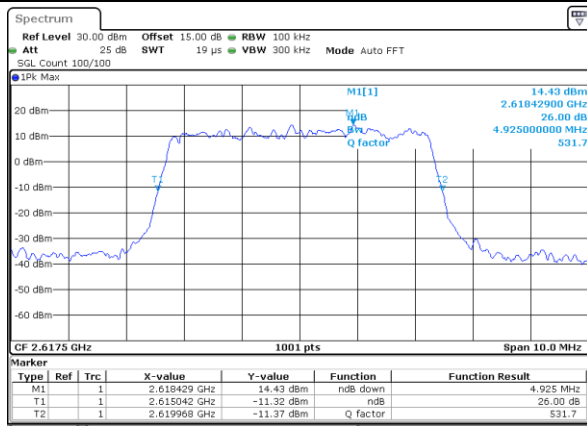
Date: 4.MAY.2020 02:43:06

Middle Channel / 5MHz / 16QAM



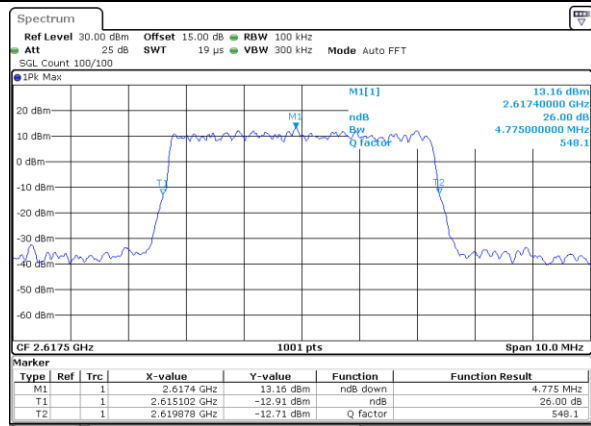
Date: 4.MAY.2020 02:43:17

Highest Channel / 5MHz / QPSK



Date: 4.MAY.2020 02:43:51

Highest Channel / 5MHz / 16QAM

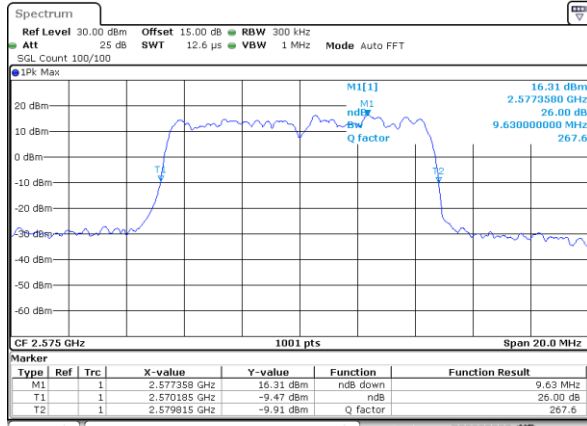


Date: 4.MAY.2020 02:44:02



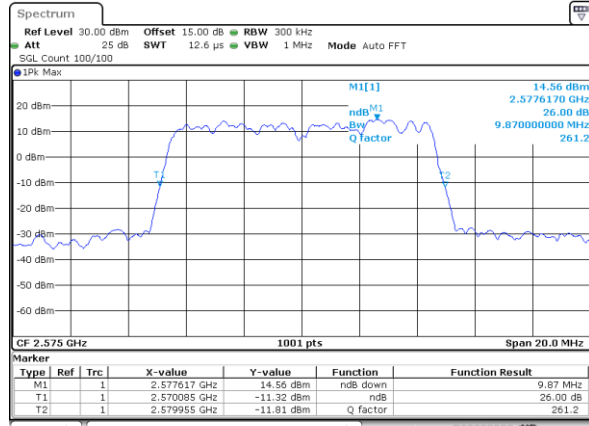
LTE Band 38

Lowest Channel / 10MHz / QPSK



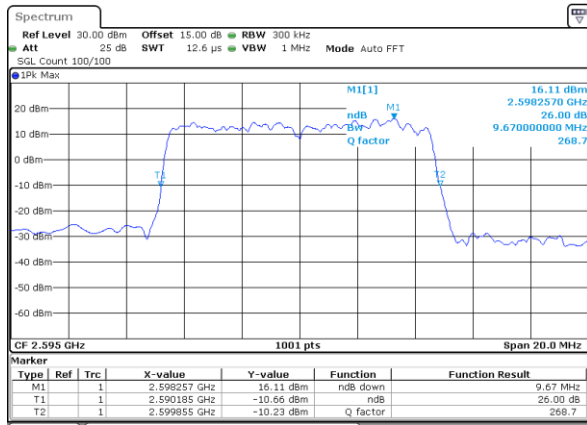
Date: 4.MAY.2020 02:44:35

Lowest Channel / 10MHz / 16QAM



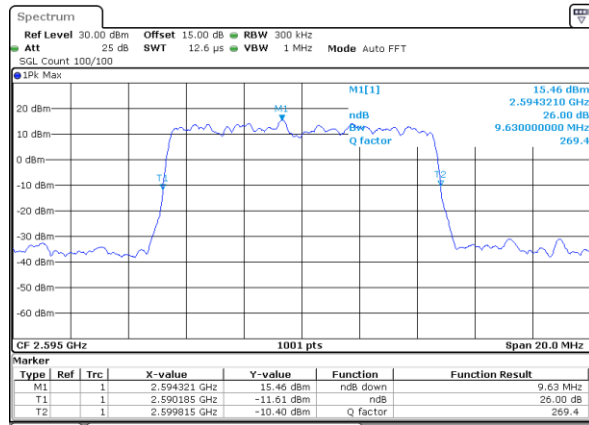
Date: 4.MAY.2020 02:44:46

Middle Channel / 10MHz / QPSK



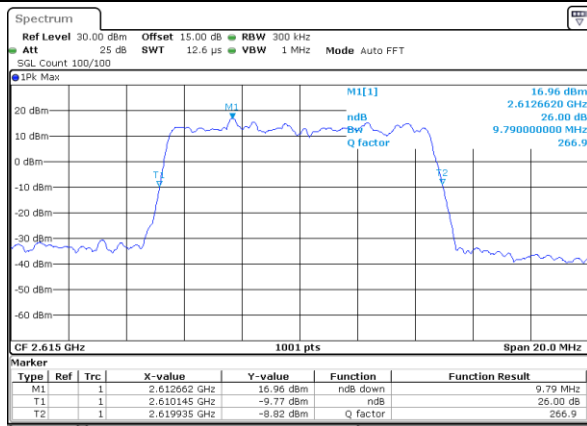
Date: 4.MAY.2020 02:45:19

Middle Channel / 10MHz / 16QAM



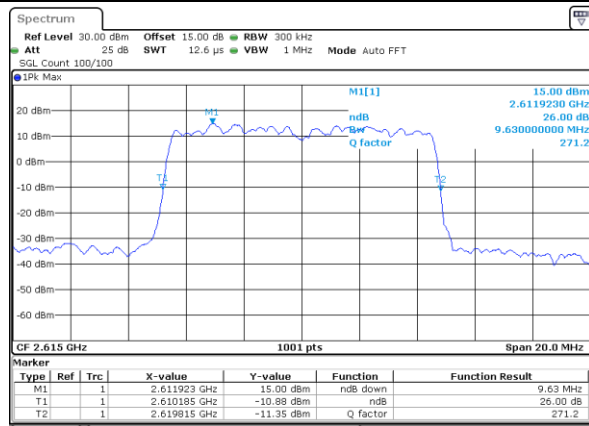
Date: 4.MAY.2020 02:45:30

Highest Channel / 10MHz / QPSK



Date: 4.MAY.2020 02:46:03

Highest Channel / 10MHz / 16QAM

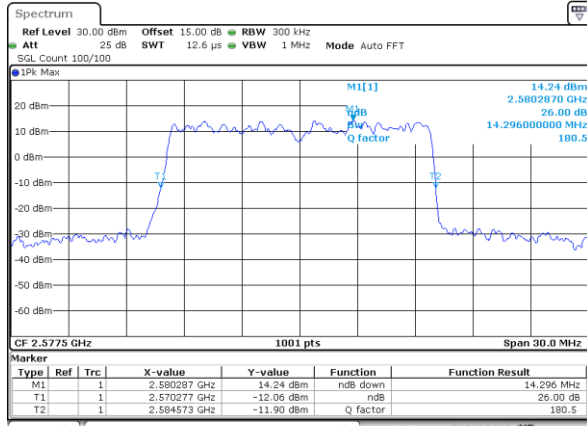


Date: 4.MAY.2020 02:46:14



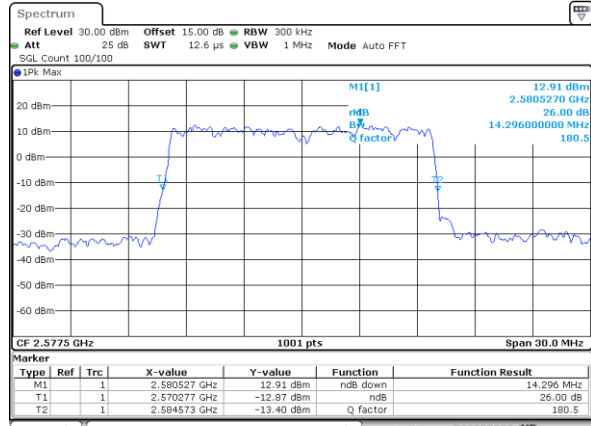
LTE Band 38

Lowest Channel / 15MHz / QPSK



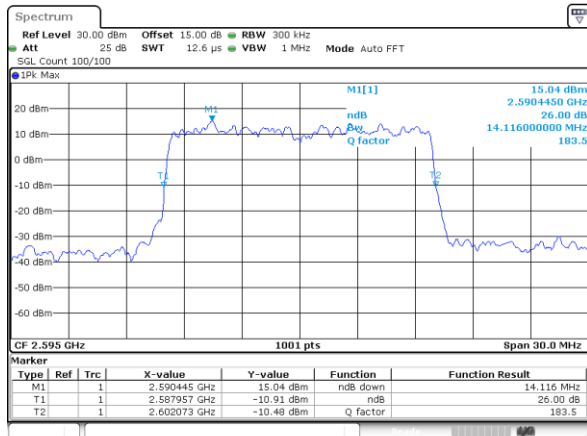
Date: 4.MAY.2020 02:46:47

Lowest Channel / 15MHz / 16QAM



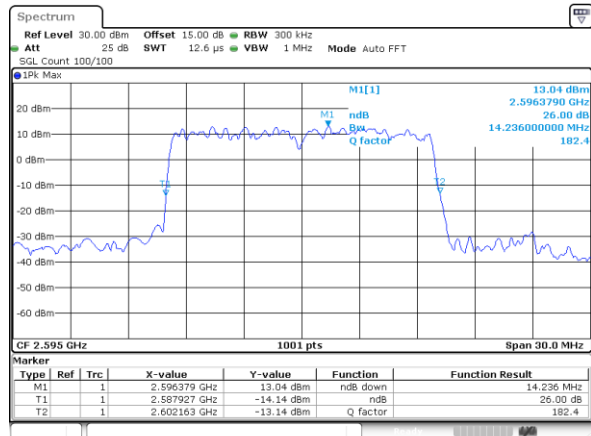
Date: 4.MAY.2020 02:46:58

Middle Channel / 15MHz / QPSK



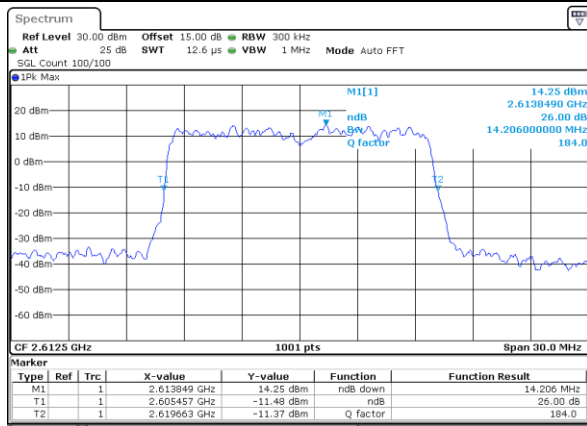
Date: 4.MAY.2020 02:47:32

Middle Channel / 15MHz / 16QAM



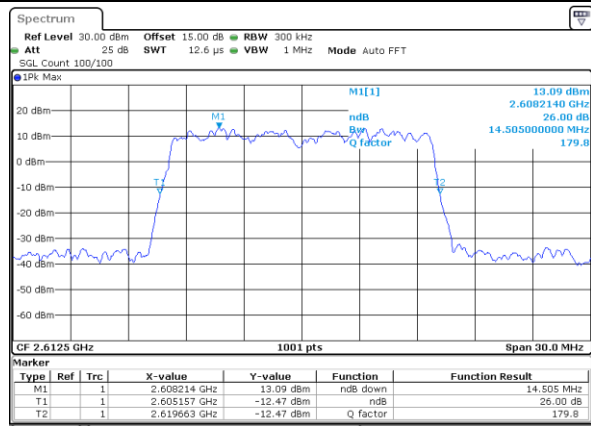
Date: 4.MAY.2020 02:47:43

Highest Channel / 15MHz / QPSK



Date: 4.MAY.2020 02:48:16

Highest Channel / 15MHz / 16QAM



Date: 4.MAY.2020 02:48:27