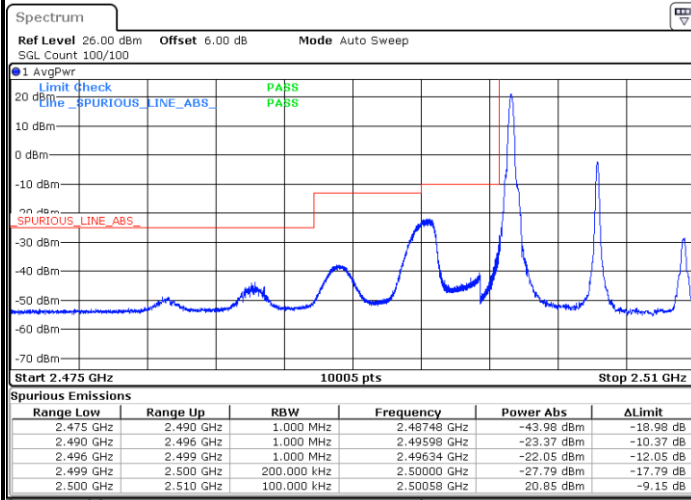


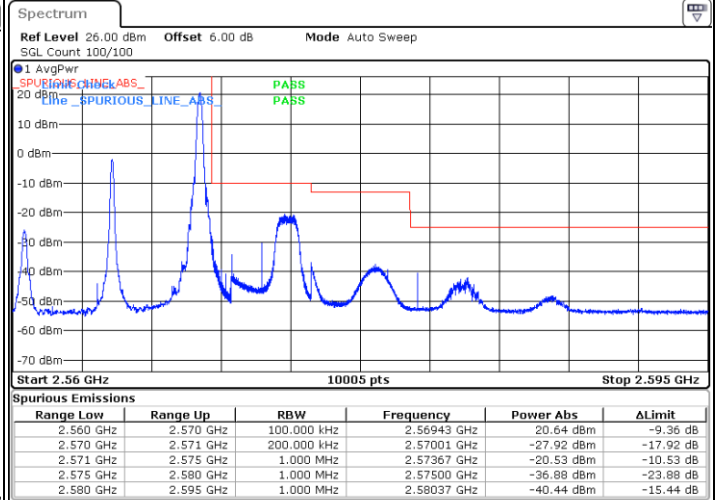


LTE Band 7 / 10MHz / QPSK

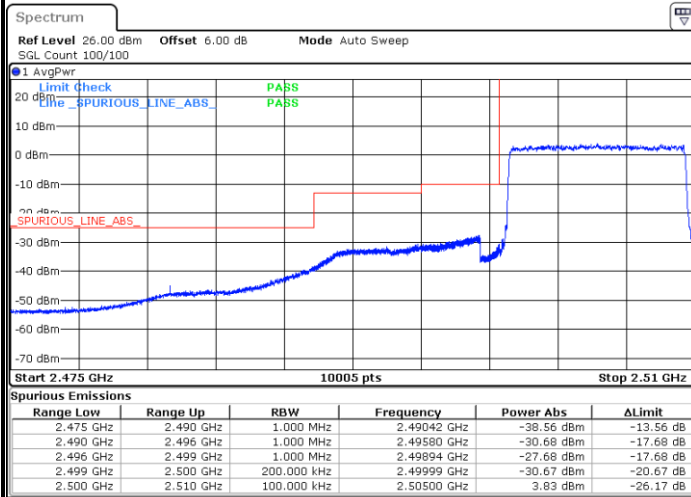
Lowest Band Edge / 1 RB



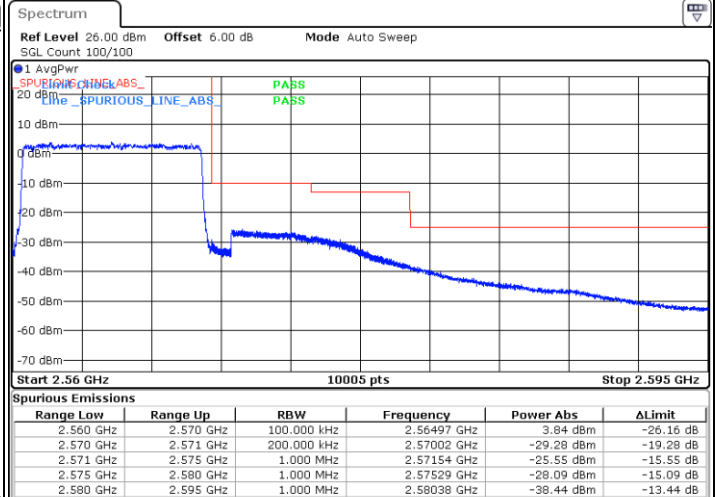
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



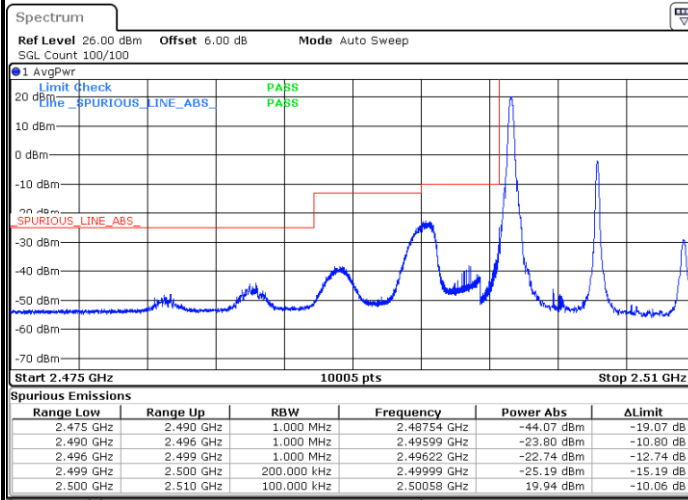
Highest Band Edge / Full RB



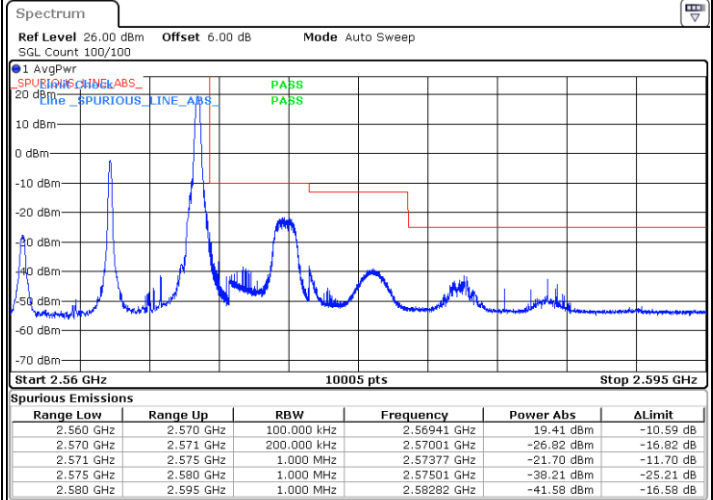


LTE Band 7 / 10MHz / 16QAM

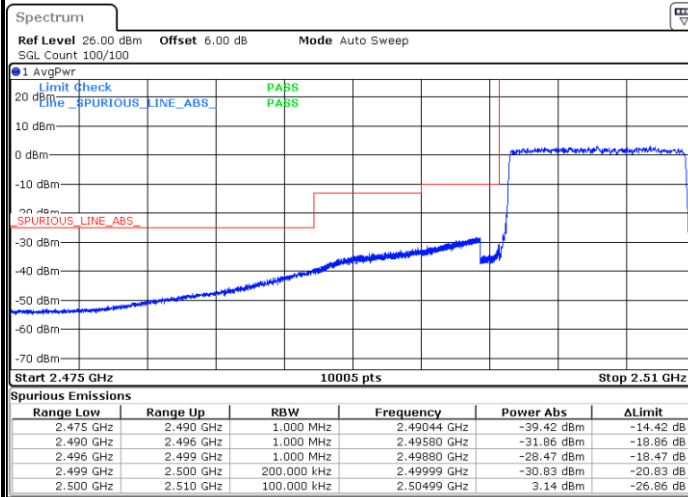
Lowest Band Edge / 1 RB



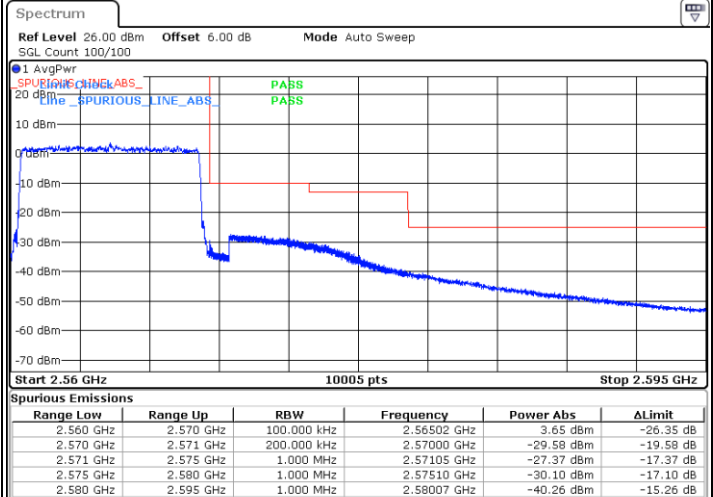
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



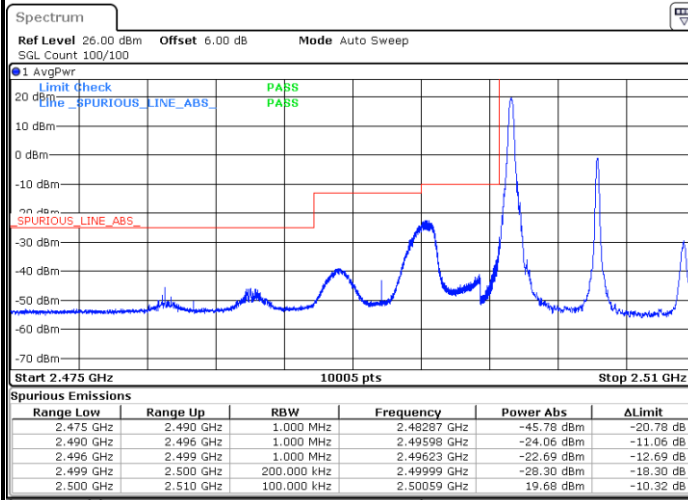
Highest Band Edge / Full RB



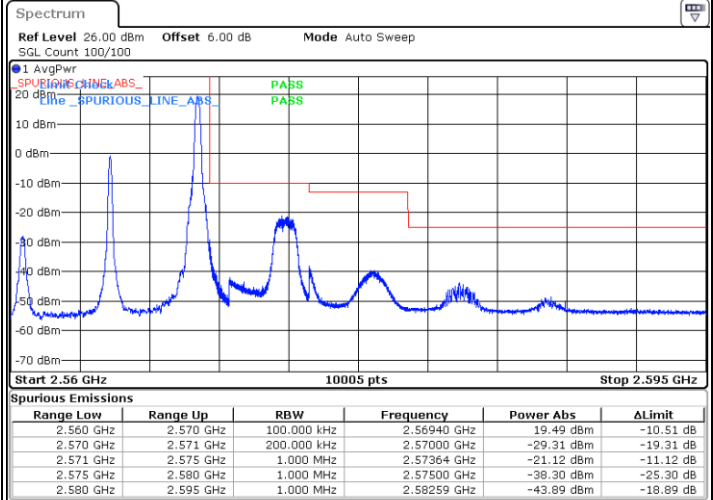


LTE Band 7 / 10MHz / 64QAM

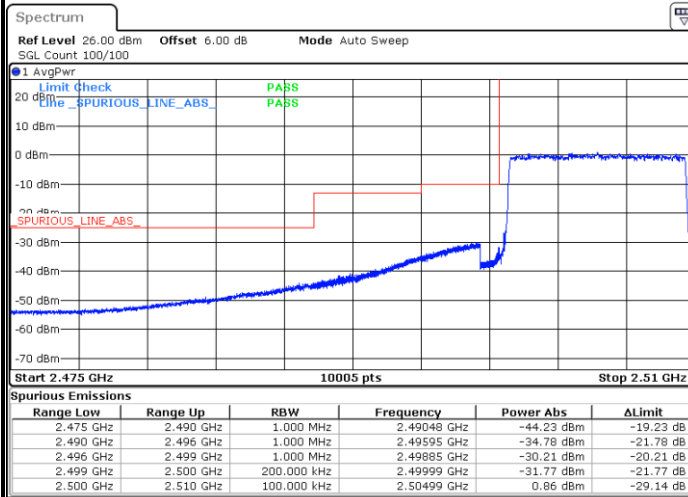
Lowest Band Edge / 1 RB



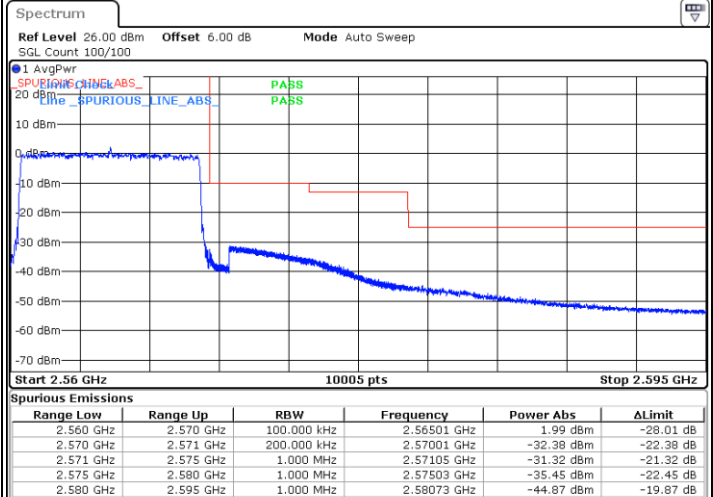
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



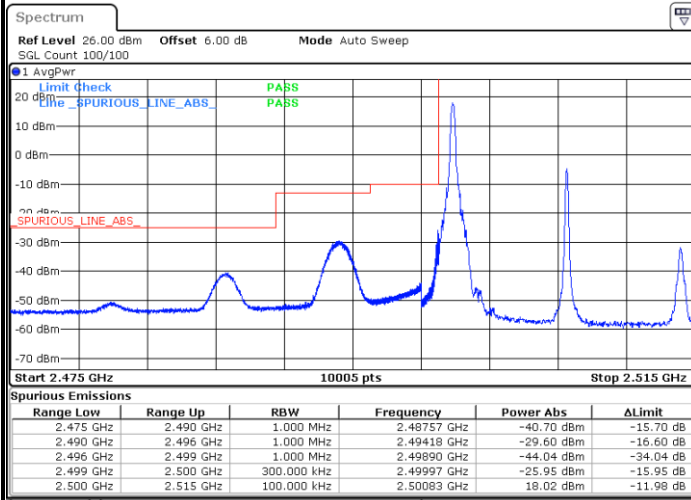
Highest Band Edge / Full RB





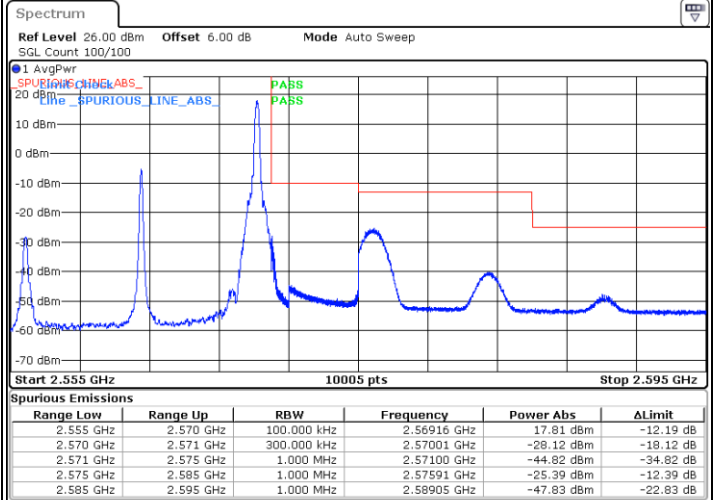
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



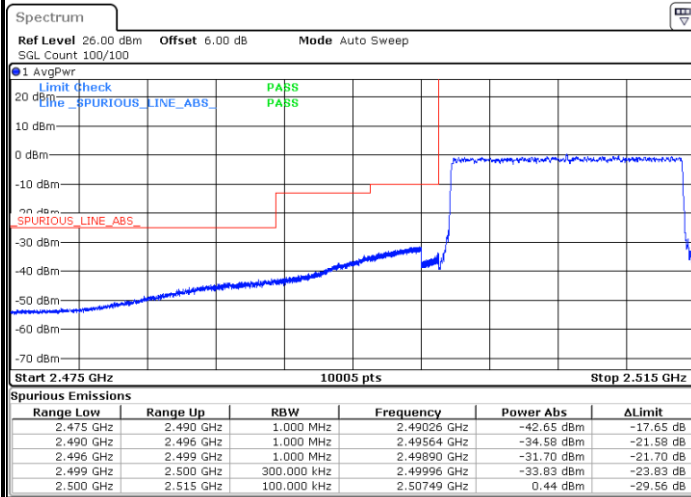
Date: 12 AUG 2020 02:37:53

Highest Band Edge / 1 RB



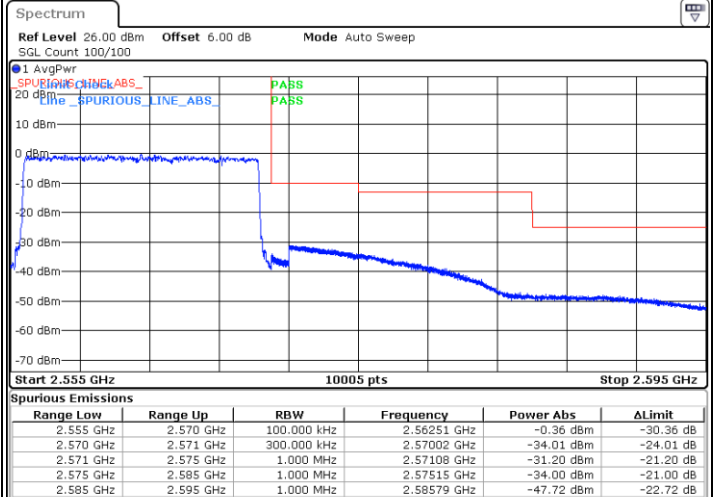
Date: 12 AUG 2020 02:45:52

Lowest Band Edge / Full RB



Date: 12 AUG 2020 02:41:19

Highest Band Edge / Full RB

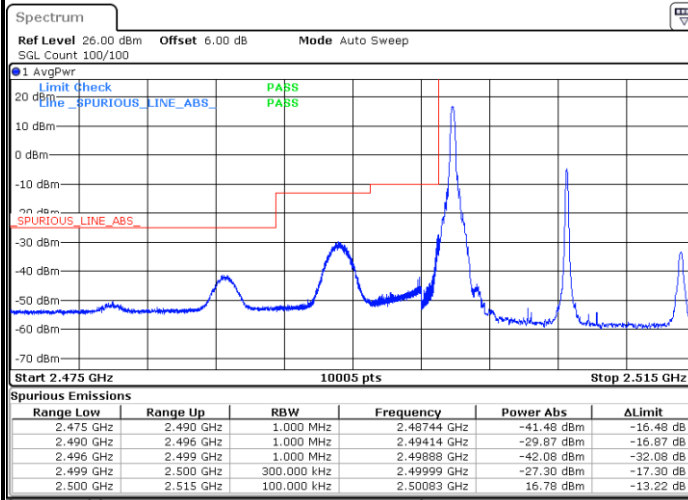


Date: 12 AUG 2020 02:42:27

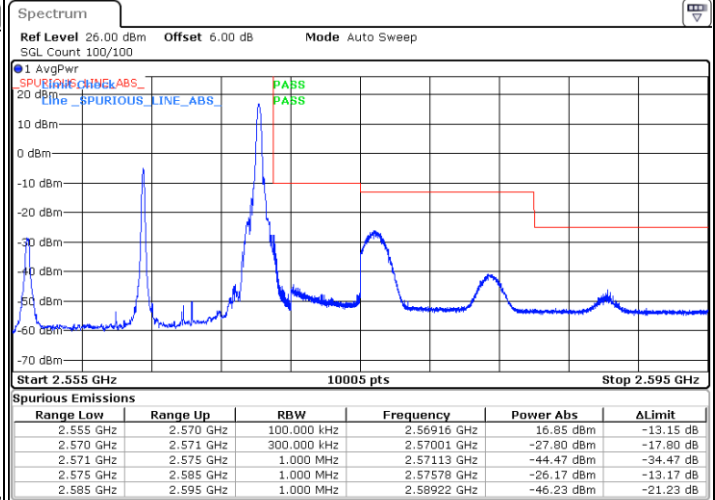


LTE Band 7 / 15MHz / 16QAM

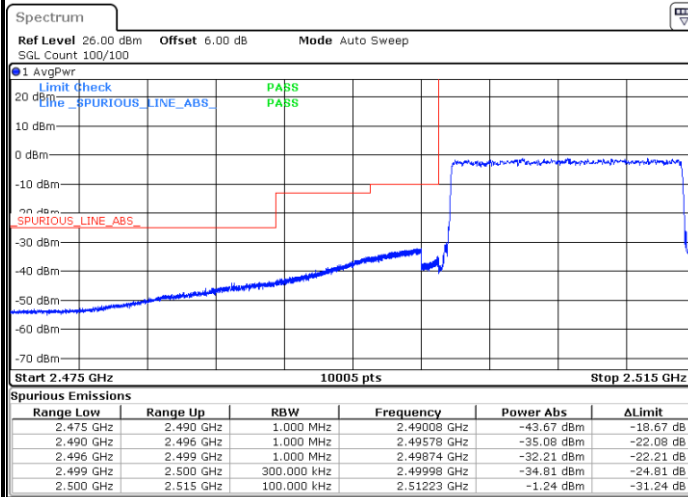
Lowest Band Edge / 1 RB



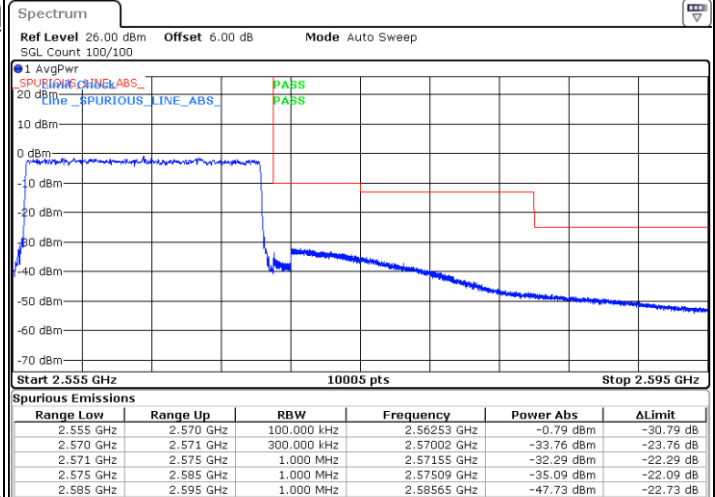
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



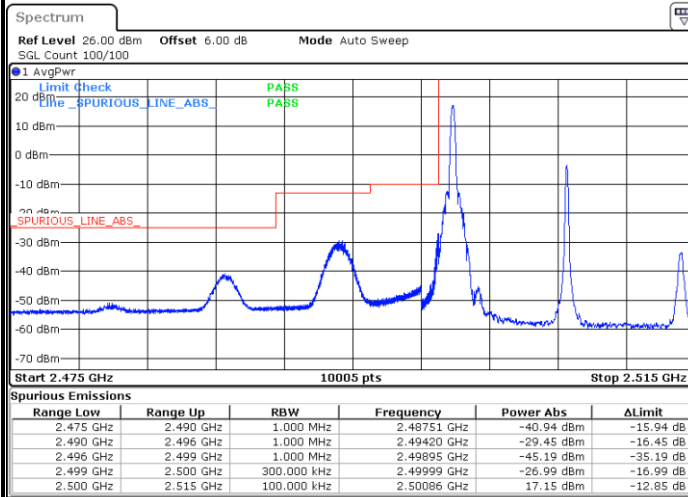
Highest Band Edge / Full RB



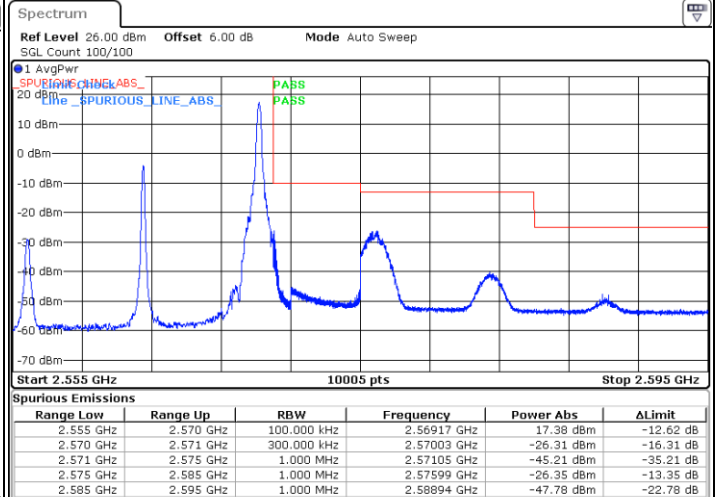


LTE Band 7 / 15MHz / 64QAM

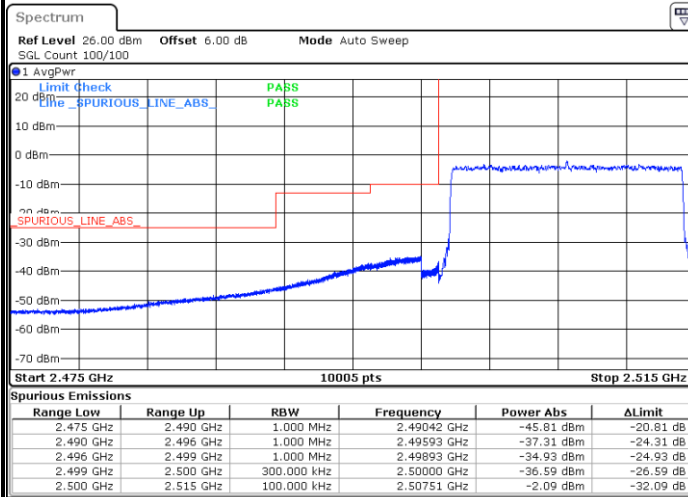
Lowest Band Edge / 1 RB



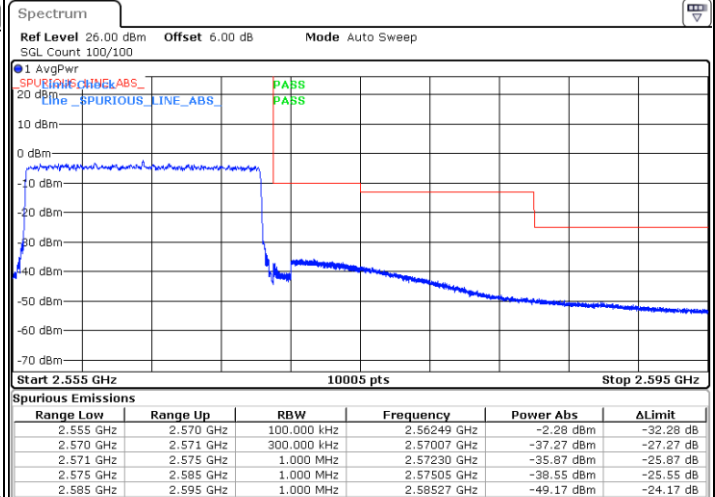
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



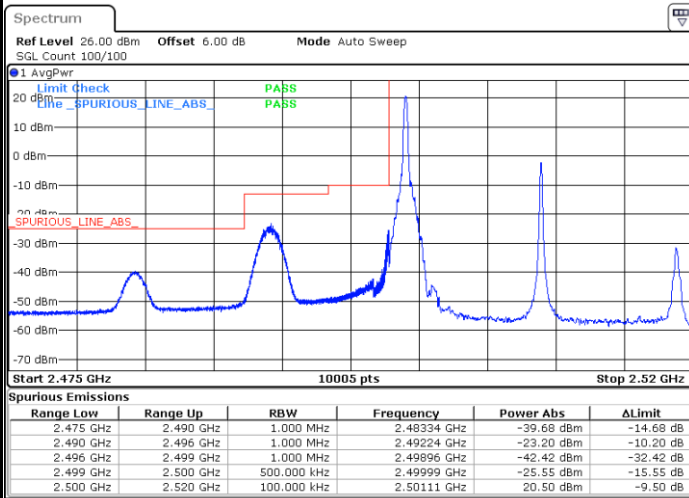
Highest Band Edge / Full RB



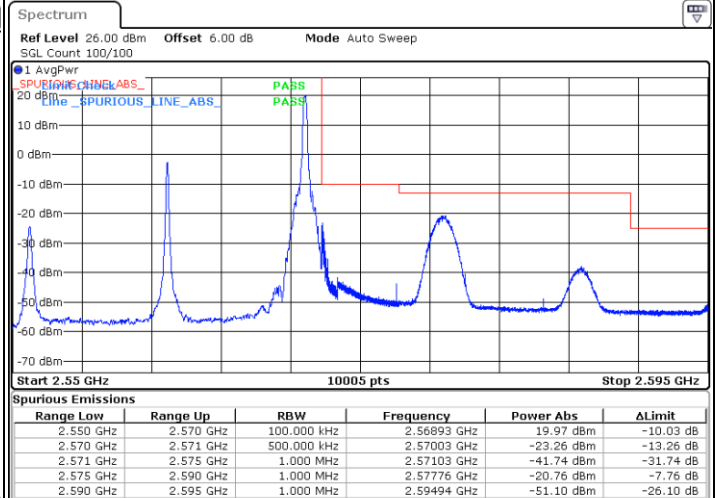


LTE Band 7 / 20MHz / QPSK

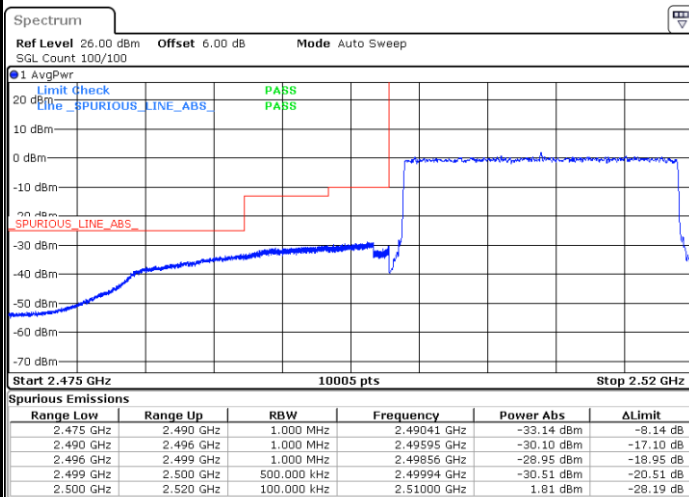
Lowest Band Edge / 1 RB



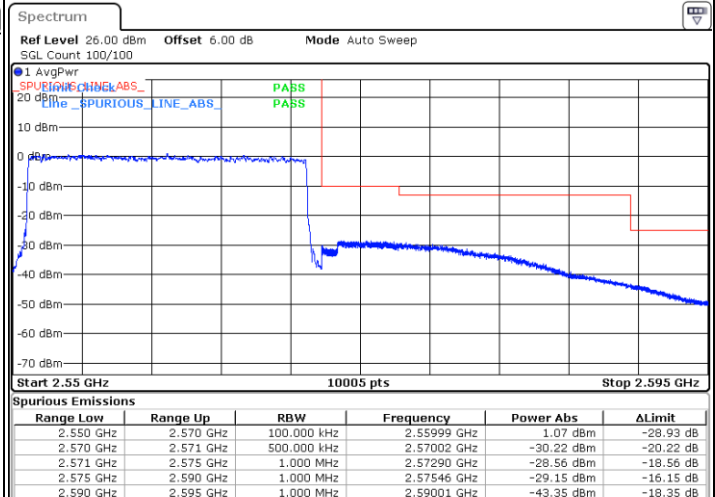
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



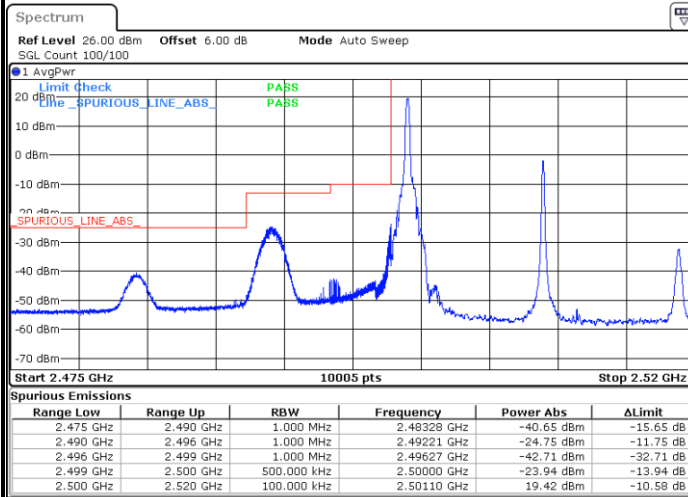
Highest Band Edge / Full RB



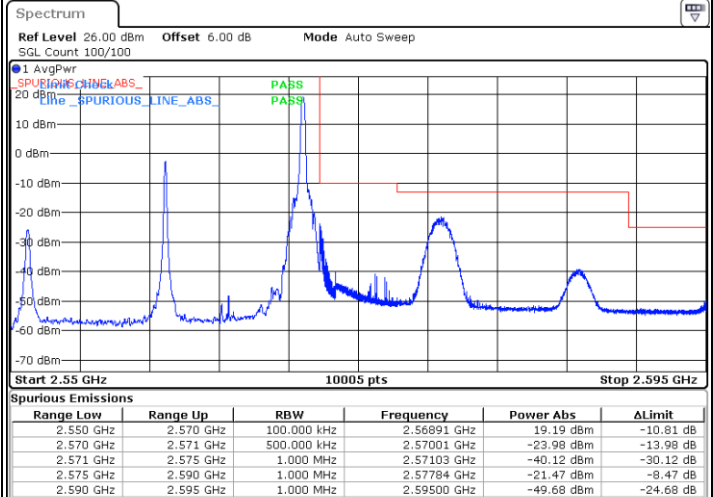


LTE Band 7 / 20MHz / 16QAM

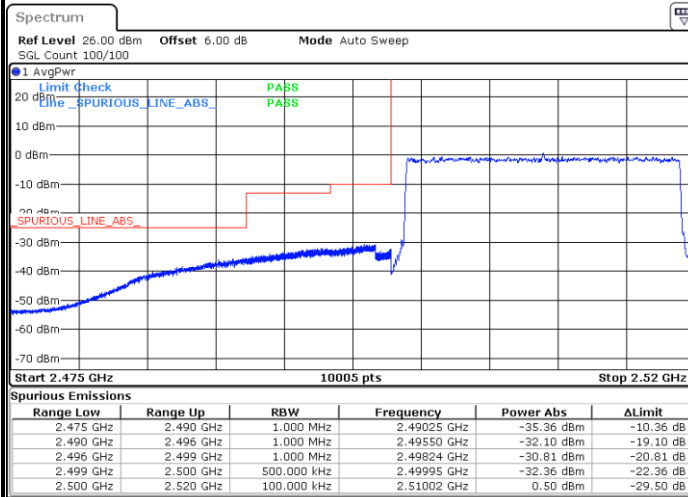
Lowest Band Edge / 1 RB



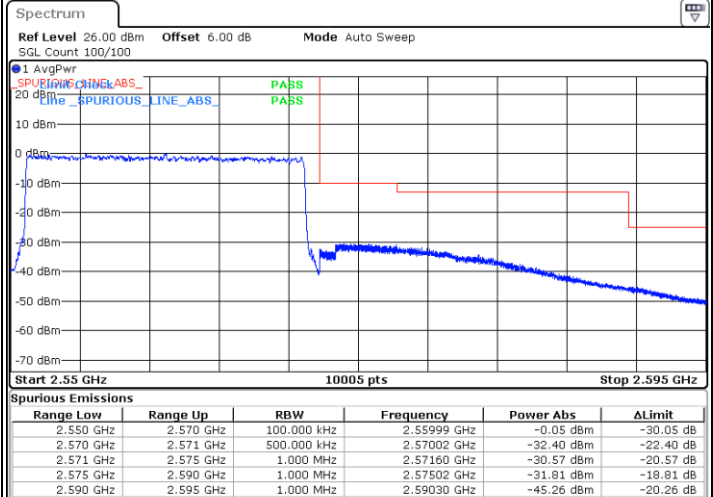
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



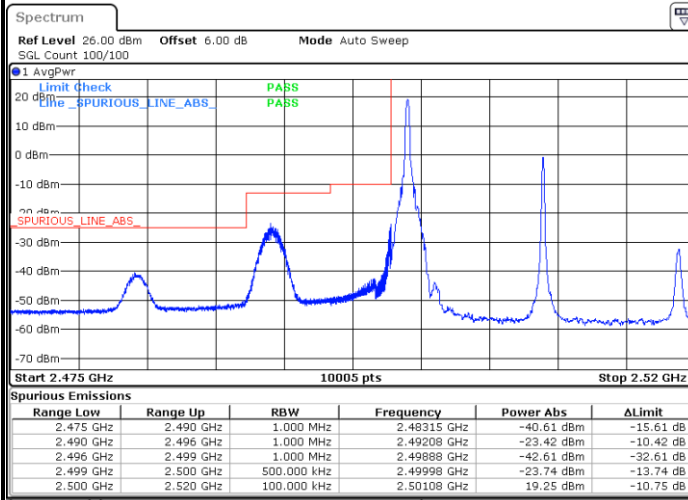
Highest Band Edge / Full RB



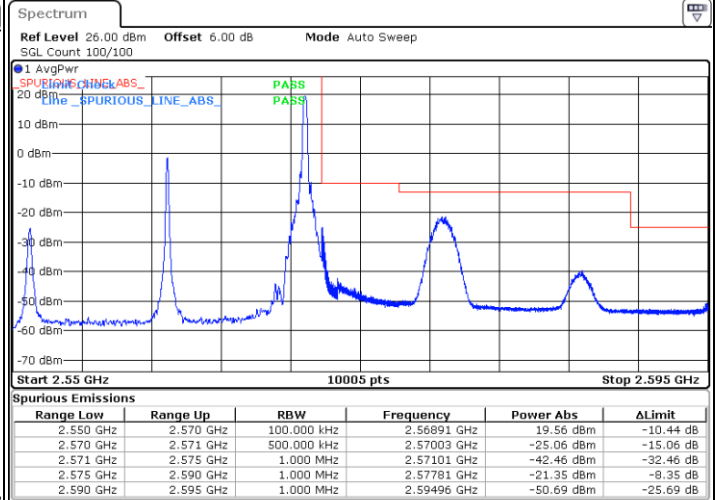


LTE Band 7 / 20MHz / 64QAM

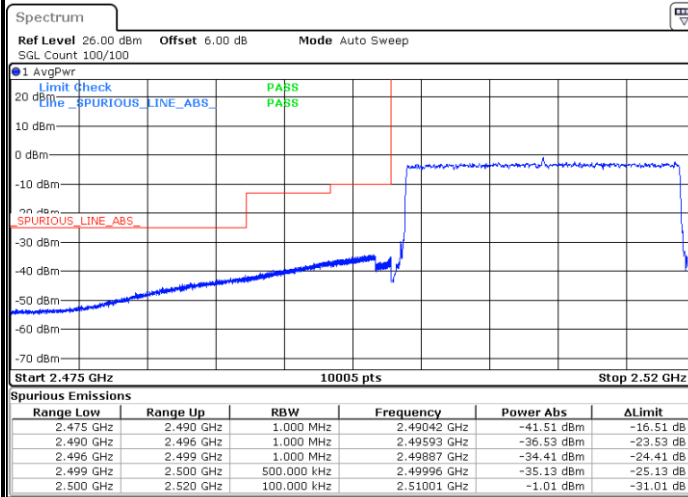
Lowest Band Edge / 1 RB



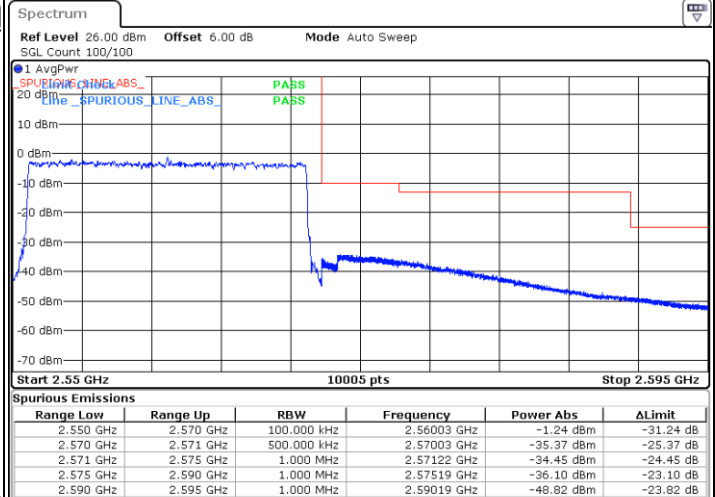
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

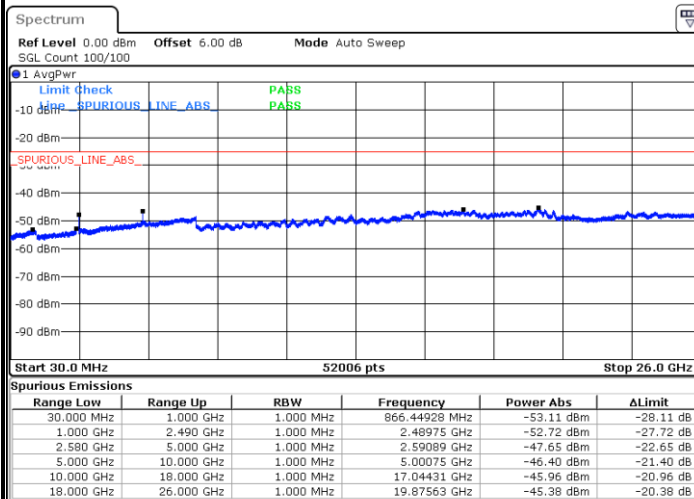




Conducted Spurious Emission

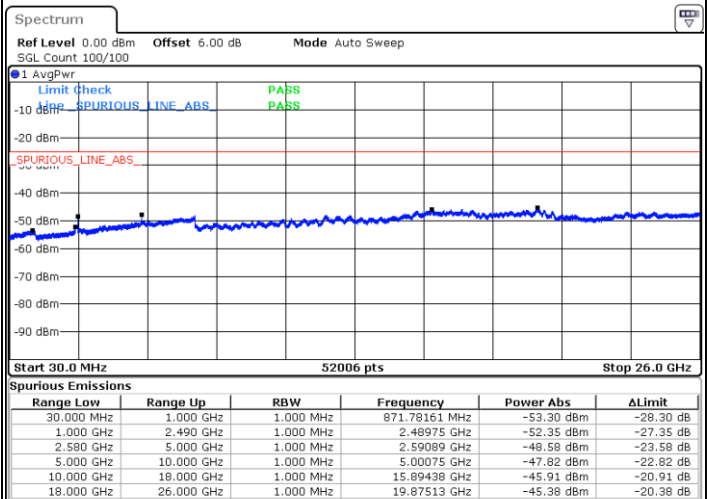
LTE Band 7 / 5MHz

Lowest Channel / QPSK



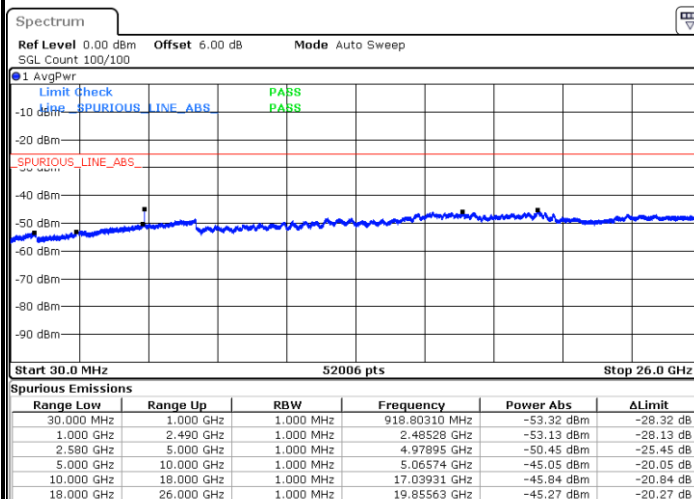
Date: 12 AUG 2020 02:13:43

Lowest Channel / 16QAM



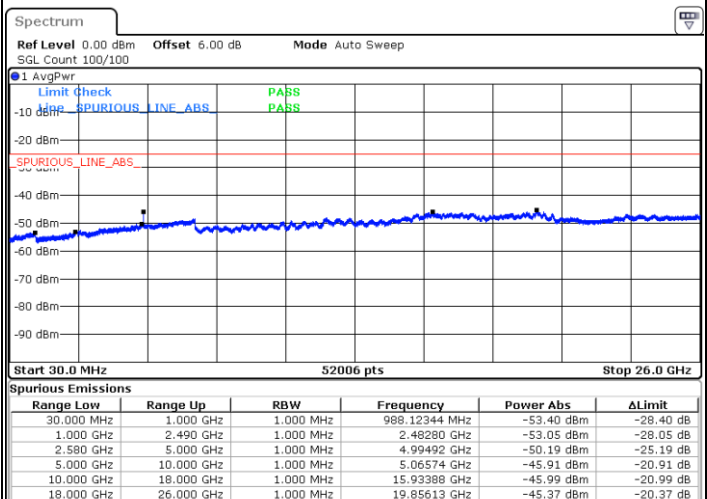
Date: 12 AUG 2020 02:14:37

Middle Channel / QPSK



Date: 12 AUG 2020 02:16:25

Middle Channel / 16QAM

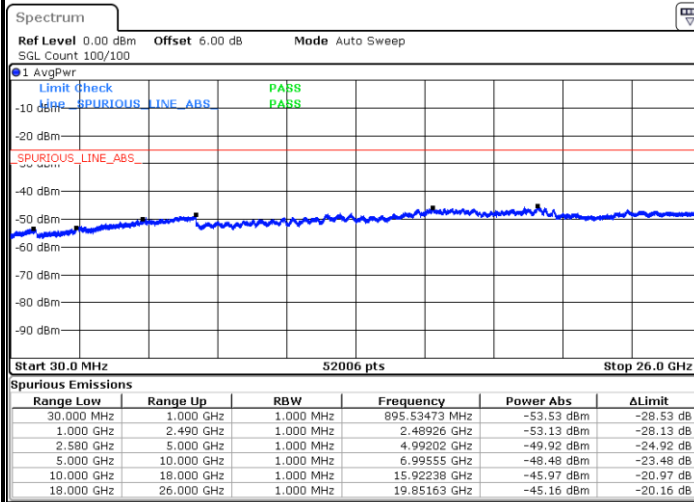


Date: 12 AUG 2020 02:15:31



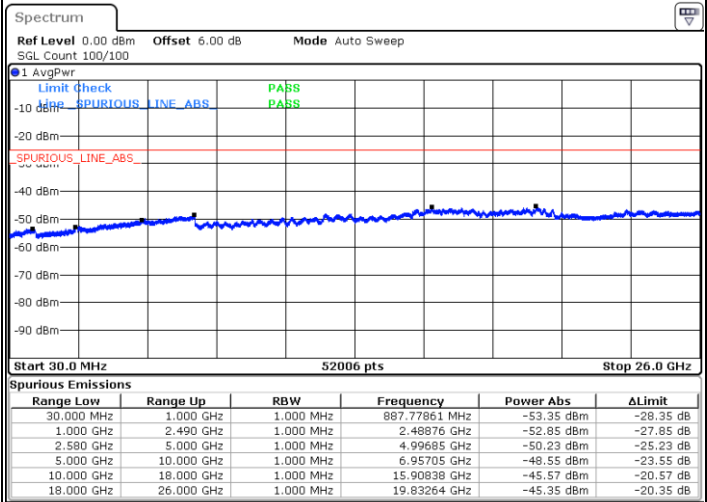
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 12 AUG 2020 02:17:19

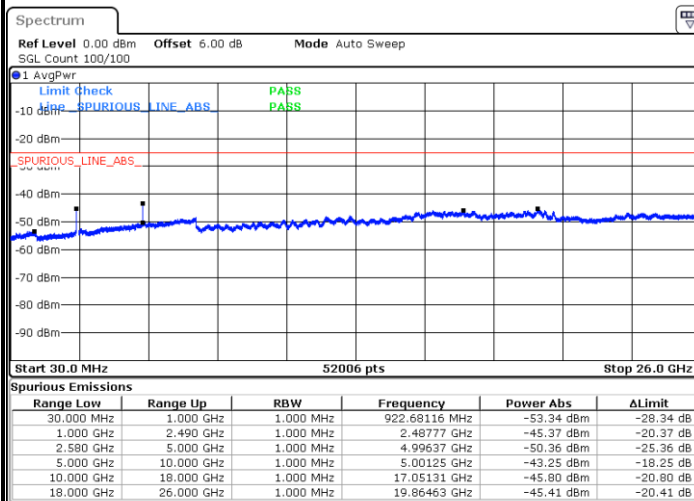
Highest Channel / 16QAM



Date: 12 AUG 2020 02:18:13

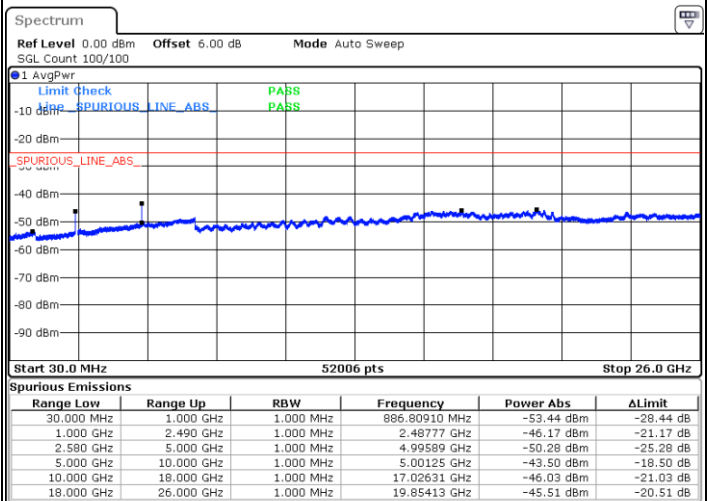
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 12 AUG 2020 02:30:14

Lowest Channel / 16QAM

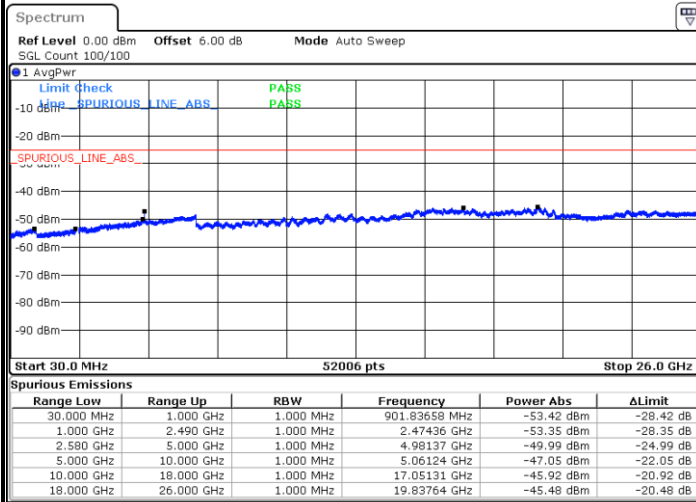


Date: 12 AUG 2020 02:31:07



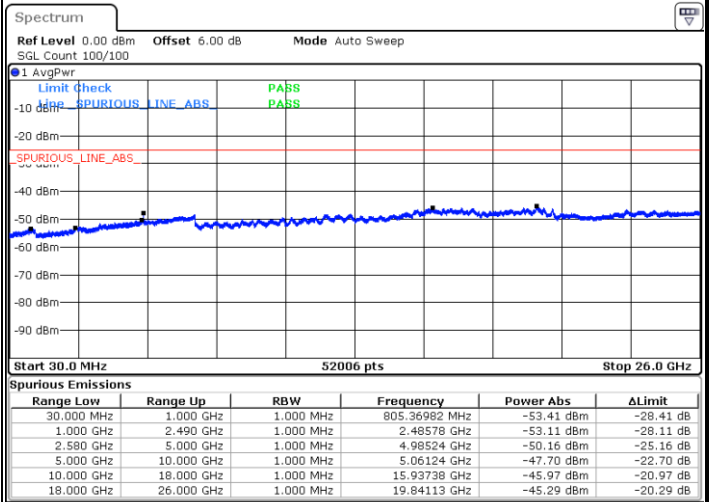
LTE Band 7 / 10MHz

Middle Channel / QPSK



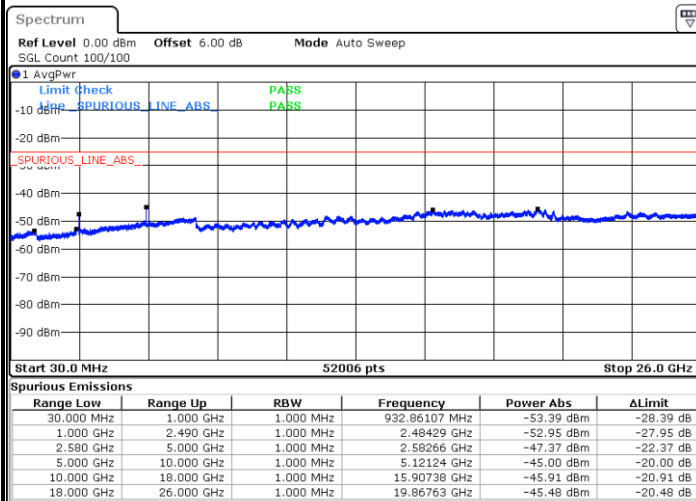
Date: 12 AUG 2020 02:32:56

Middle Channel / 16QAM



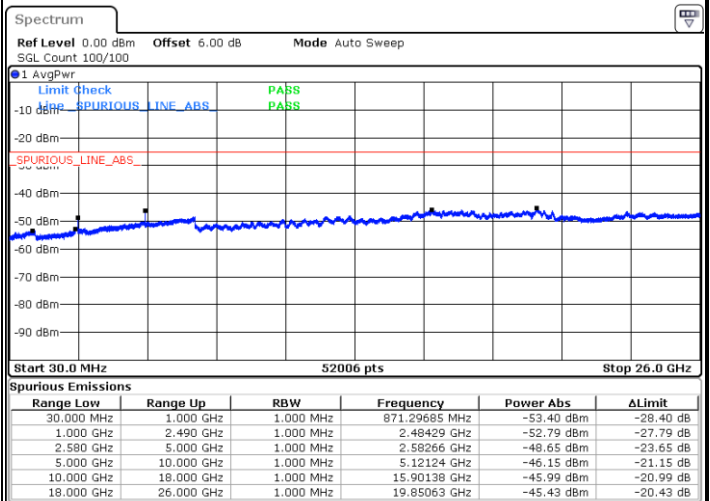
Date: 12 AUG 2020 02:32:02

Highest Channel / QPSK



Date: 12 AUG 2020 02:33:49

Highest Channel / 16QAM

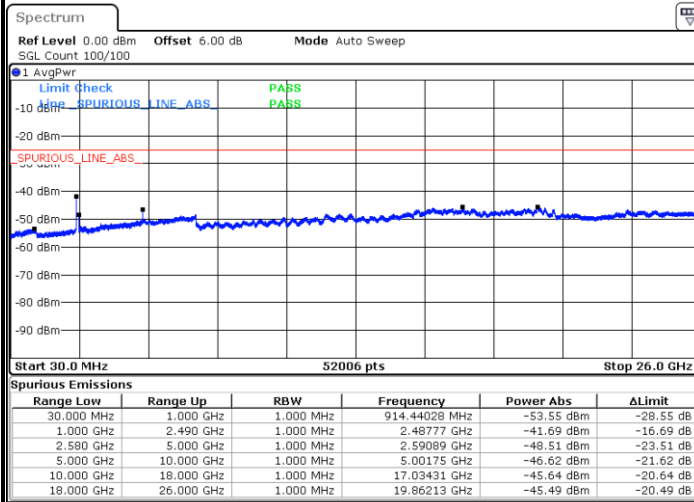


Date: 12 AUG 2020 02:34:43



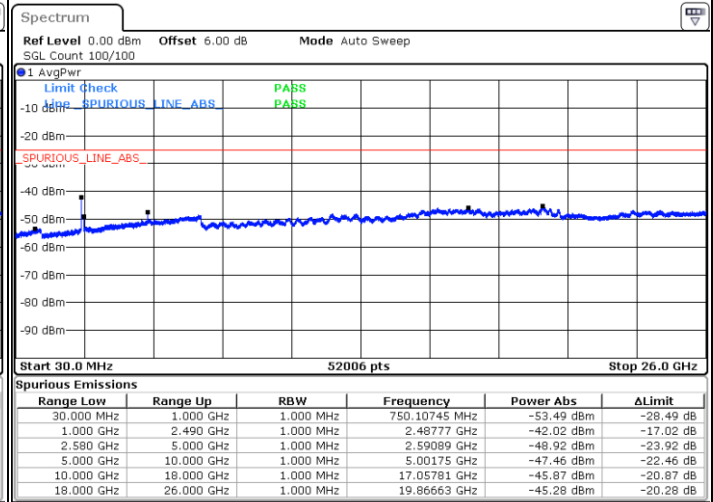
LTE Band 7 / 15MHz

Lowest Channel / QPSK



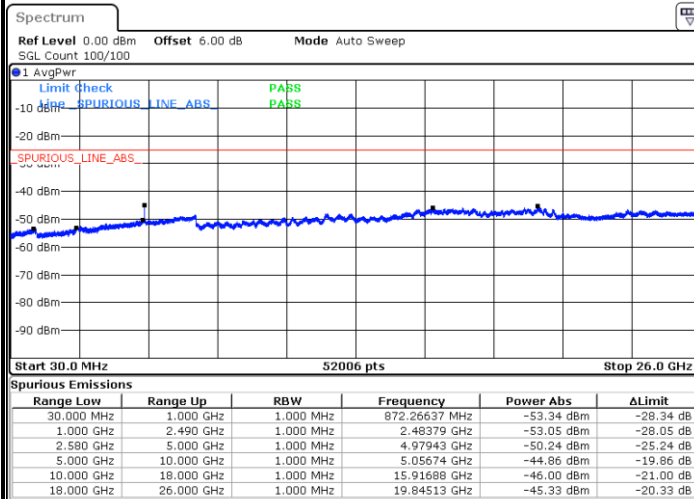
Date: 12 AUG 2020 02:46:45

Lowest Channel / 16QAM



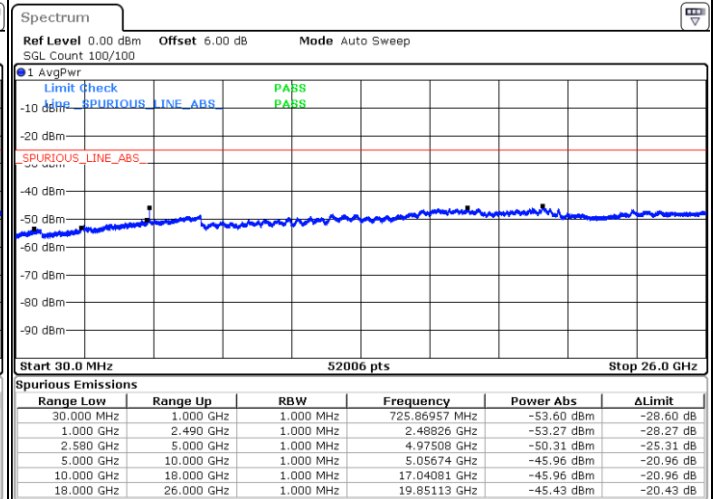
Date: 12 AUG 2020 02:47:39

Middle Channel / QPSK



Date: 12 AUG 2020 02:49:27

Middle Channel / 16QAM

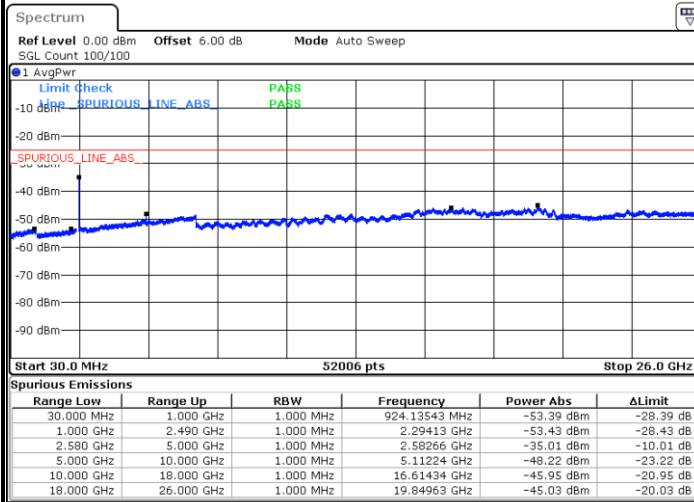


Date: 12 AUG 2020 02:48:33



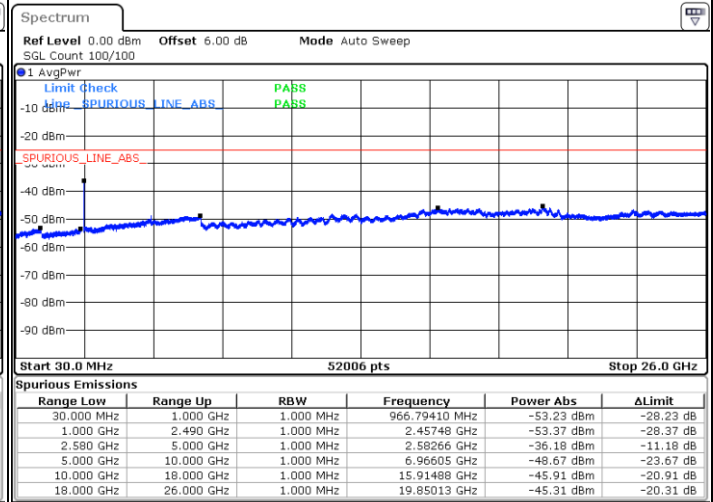
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 12 AUG 2020 02:50:21

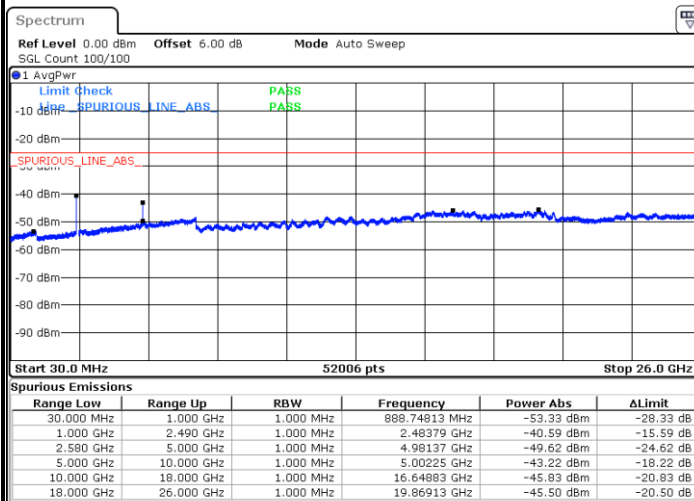
Highest Channel / 16QAM



Date: 12 AUG 2020 02:51:15

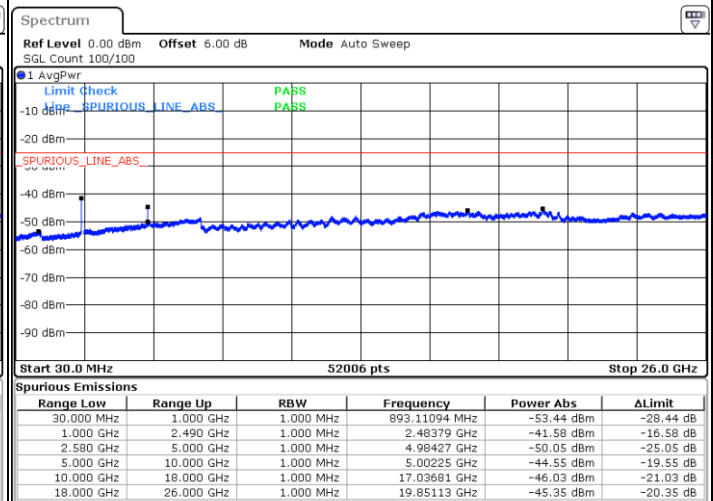
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 12 AUG 2020 03:03:17

Lowest Channel / 16QAM

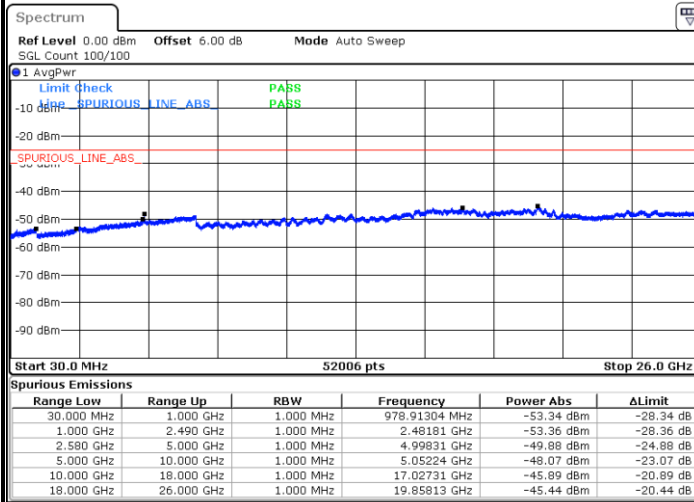


Date: 12 AUG 2020 03:04:11



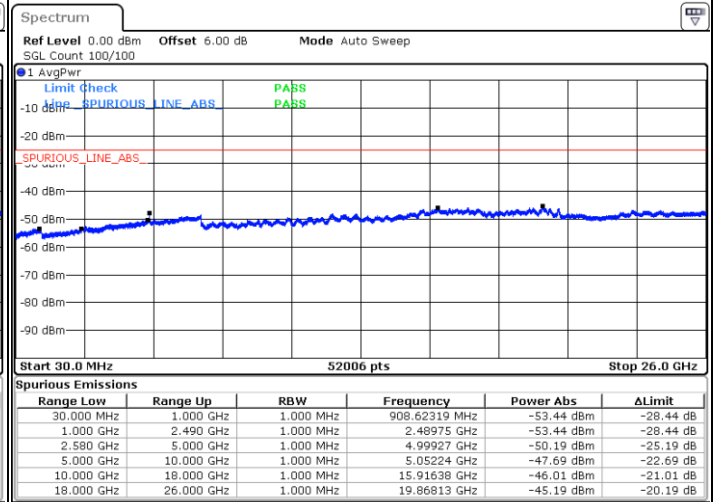
LTE Band 7 / 20MHz

Middle Channel / QPSK



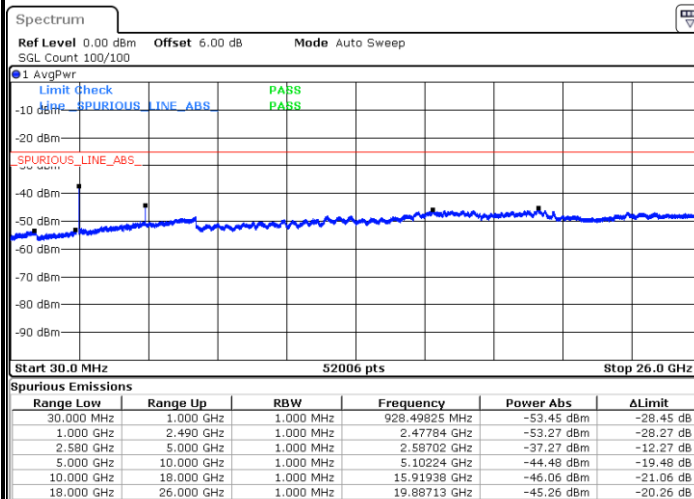
Date: 12 AUG 2020 03:05:59

Middle Channel / 16QAM



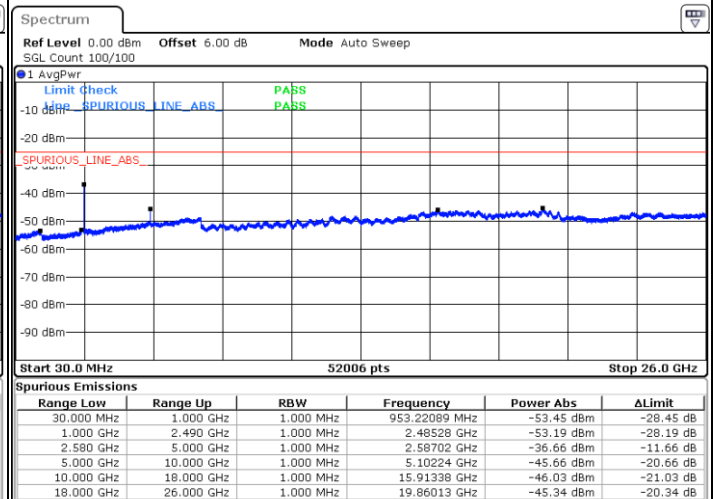
Date: 12 AUG 2020 03:05:05

Highest Channel / QPSK



Date: 12 AUG 2020 03:06:53

Highest Channel / 16QAM

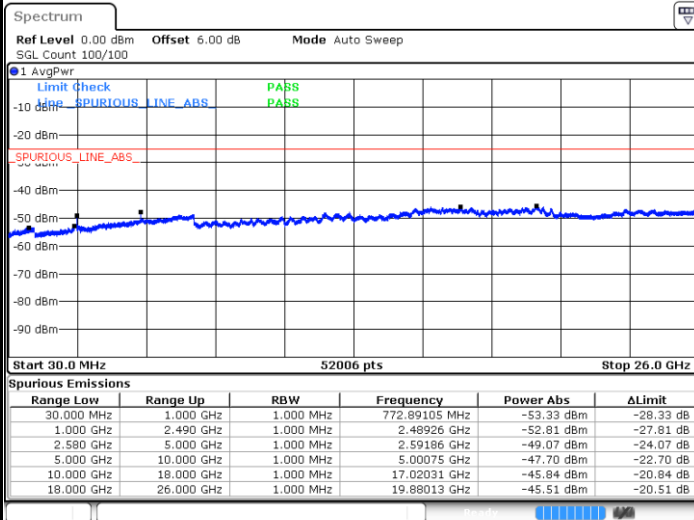


Date: 12 AUG 2020 03:07:47



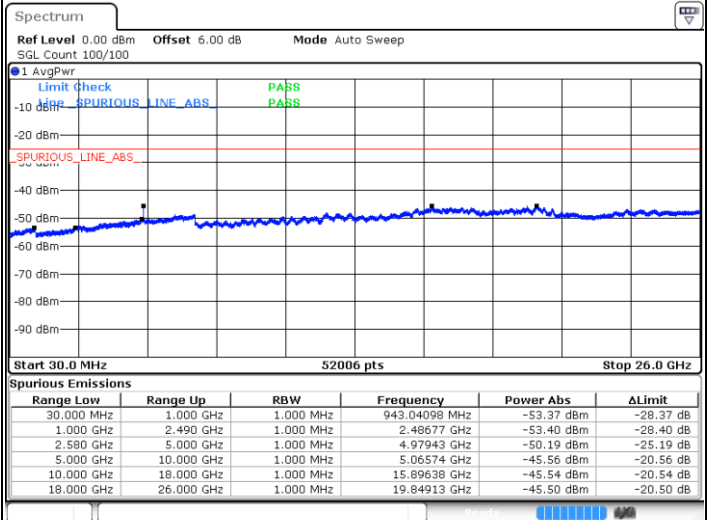
LTE Band 7 / 5MHz

Lowest Channel / 64QAM



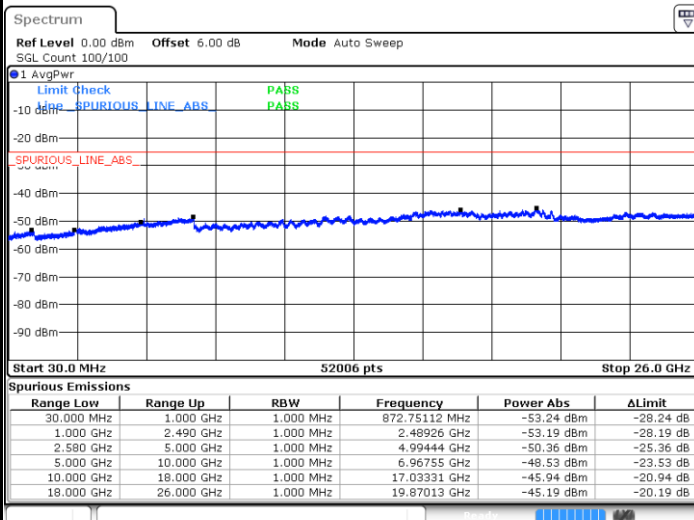
Date: 12 AUG 2020 03:18:37

Middle Channel / 64QAM



Date: 12 AUG 2020 03:19:31

Highest Channel / 64QAM

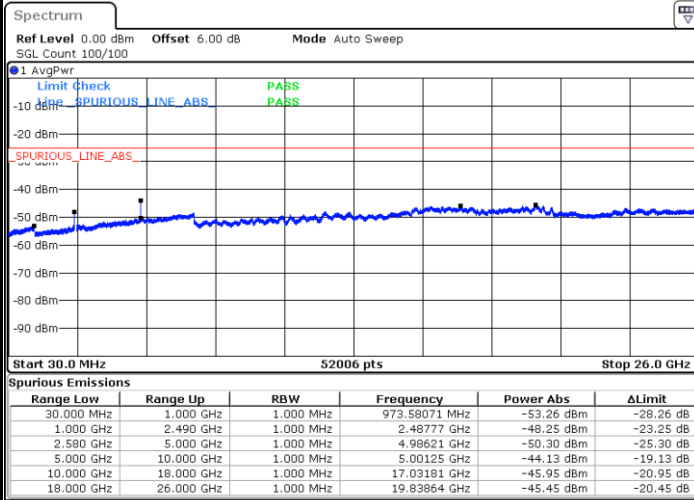


Date: 12 AUG 2020 03:20:25



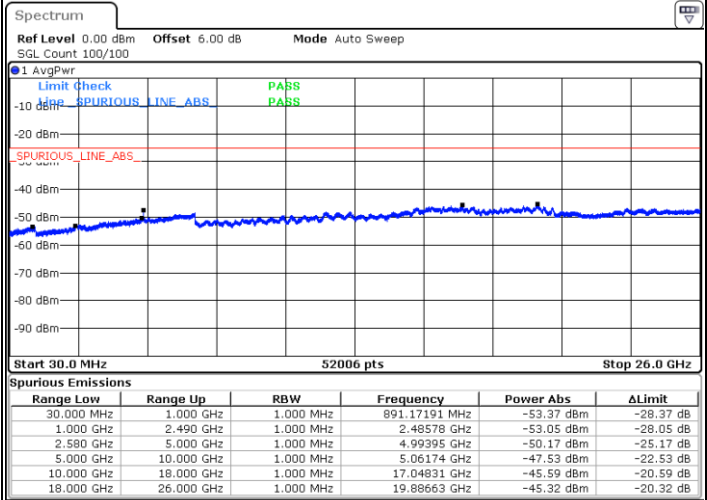
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



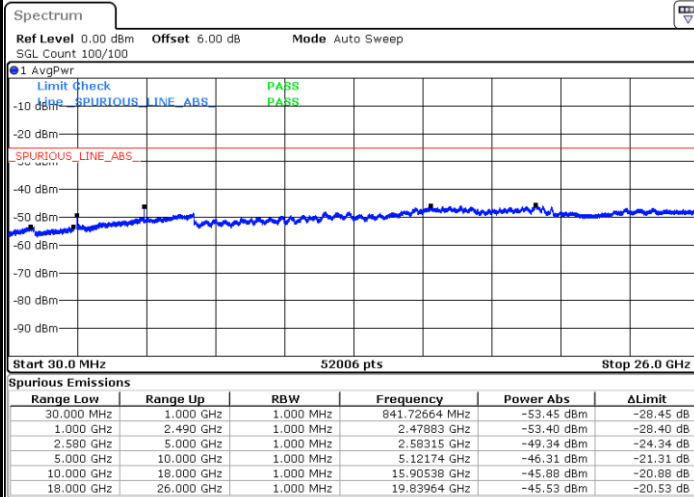
Date: 12 AUG 2020 03:26:53

Middle Channel / 64QAM



Date: 12 AUG 2020 03:27:47

Highest Channel / 64QAM

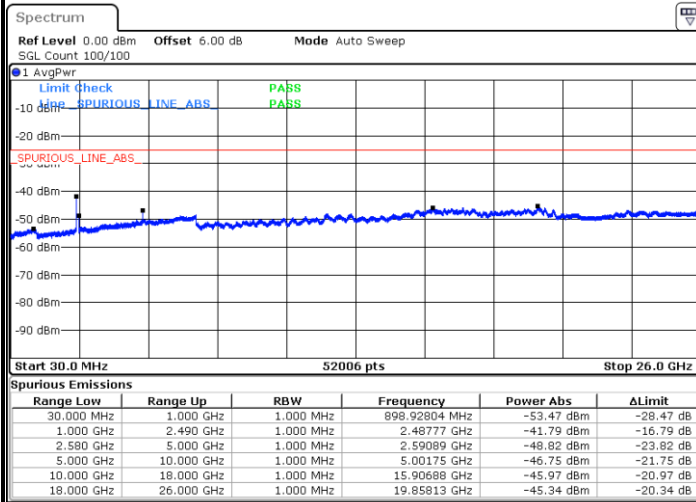


Date: 12 AUG 2020 03:28:41



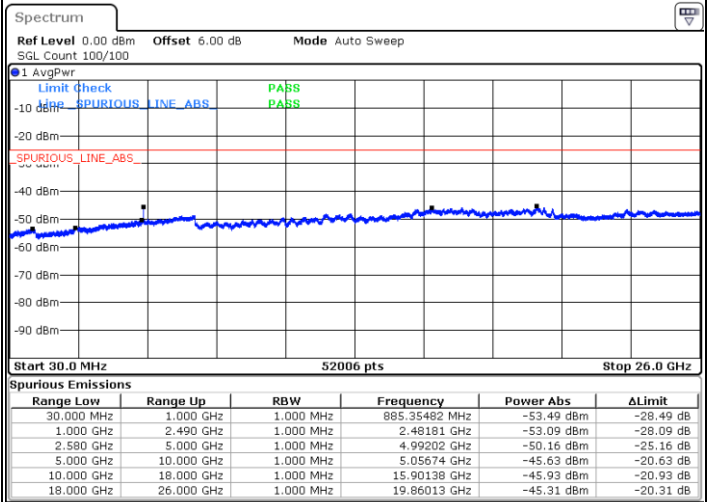
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



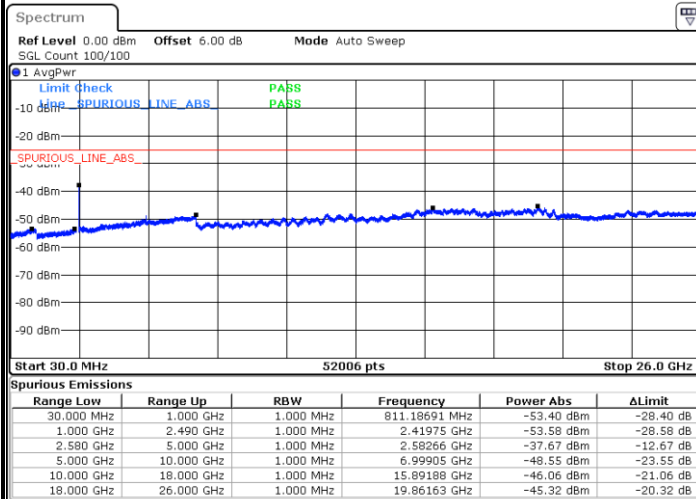
Date: 12 AUG 2020 03:39:42

Middle Channel / 64QAM



Date: 12 AUG 2020 03:40:36

Highest Channel / 64QAM

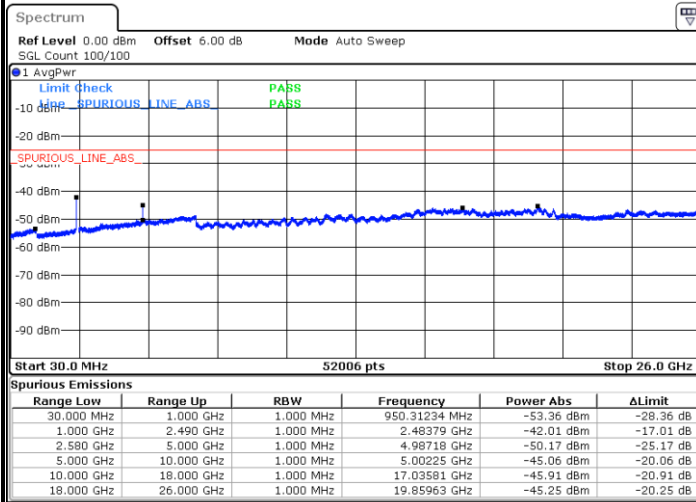


Date: 12 AUG 2020 03:41:29



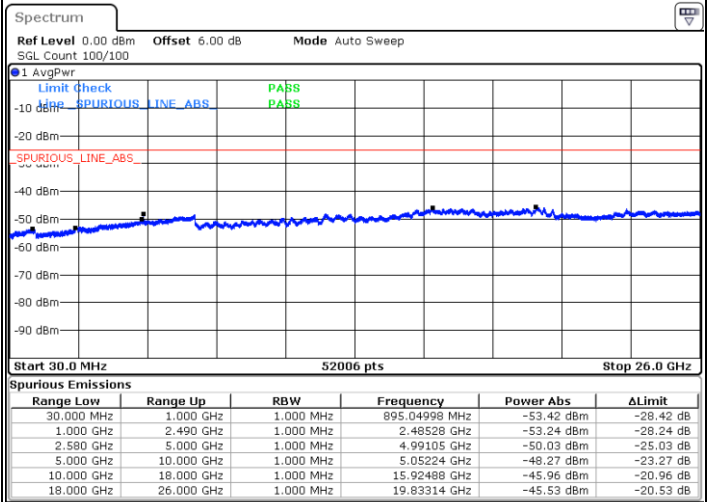
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



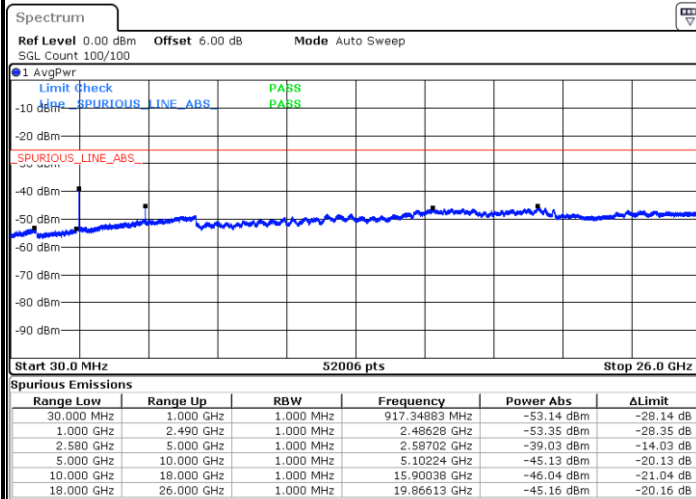
Date: 12 AUG 2020 03:47:57

Middle Channel / 64QAM



Date: 12 AUG 2020 03:48:52

Highest Channel / 64QAM



Date: 12 AUG 2020 03:49:46

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	0.0020	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0020	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



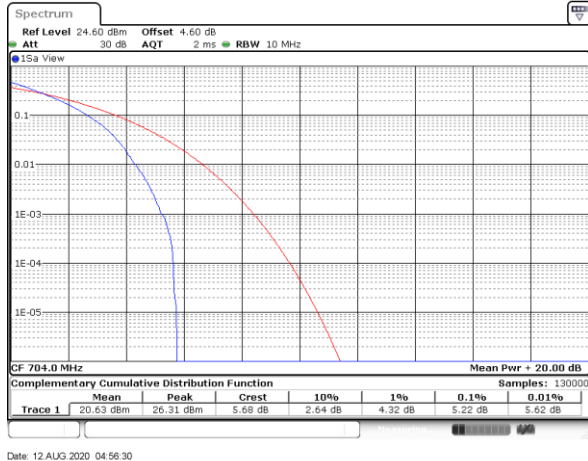
LTE Band 12

Peak-to-Average Ratio

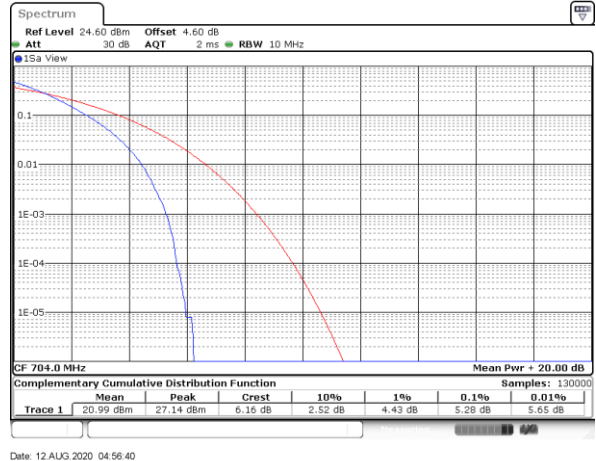
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.22	5.28	6.29	6.09	PASS
Middle CH	4.90	5.25	5.77	6.14	
Highest CH	4.90	5.19	5.88	6.14	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.06	6.61	-	-	PASS
Middle CH	5.62	6.75	-	-	
Highest CH	5.54	6.72	-	-	

LTE Band 12 / 10MHz / QPSK

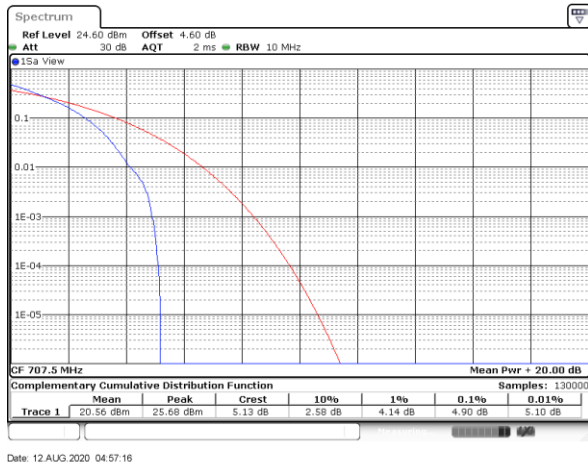
Lowest Channel / 1RB



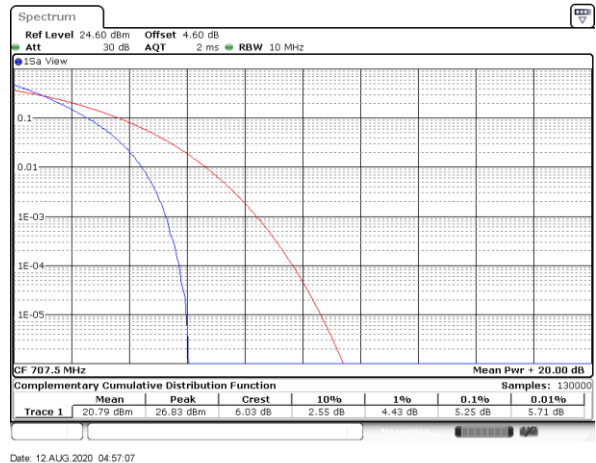
Lowest Channel / Full RB



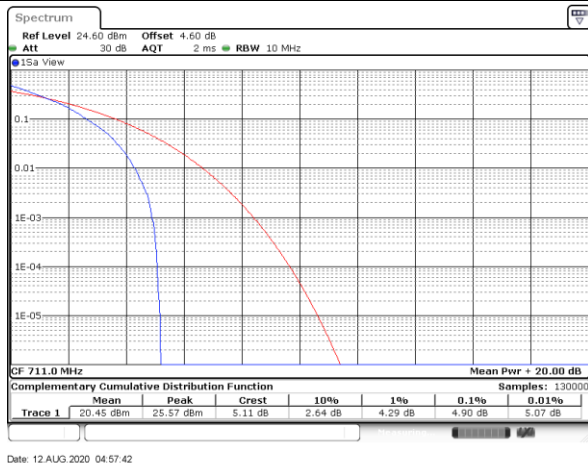
Middle Channel / 1RB



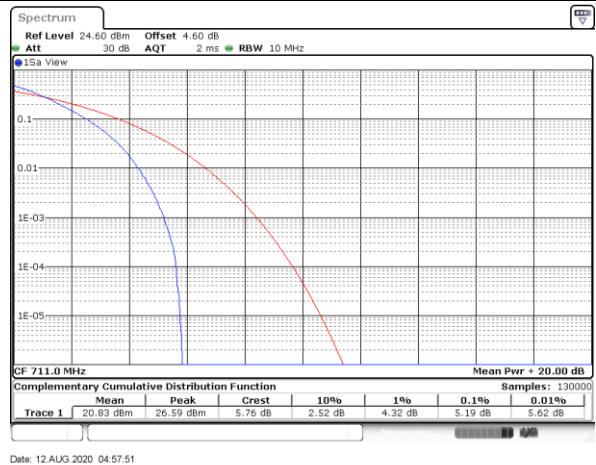
Middle Channel / Full RB

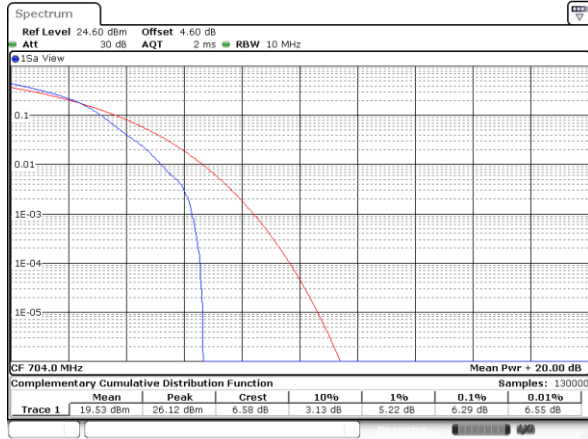


Highest Channel / 1RB

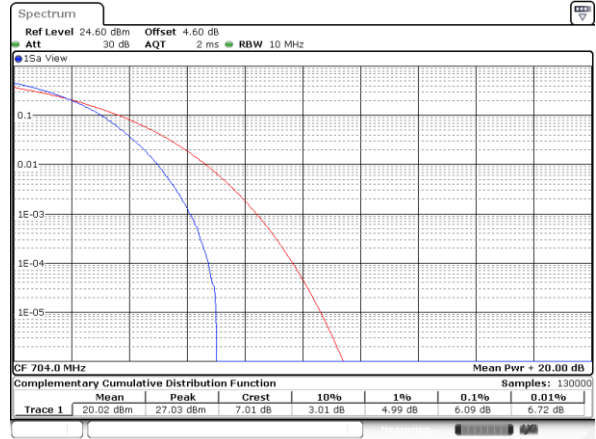


Highest Channel / Full RB

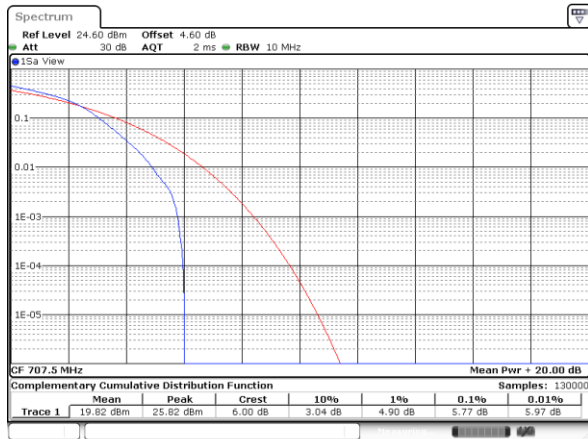


LTE Band 12 / 10MHz / 16QAM
Lowest Channel / 1RB


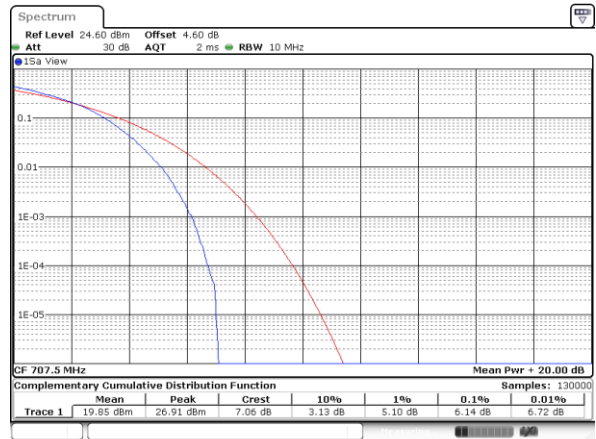
Date: 12 AUG 2020 04:56:21

Lowest Channel / Full RB


Date: 12 AUG 2020 04:56:49

Middle Channel / 1RB


Date: 12 AUG 2020 04:57:25

Middle Channel / Full RB


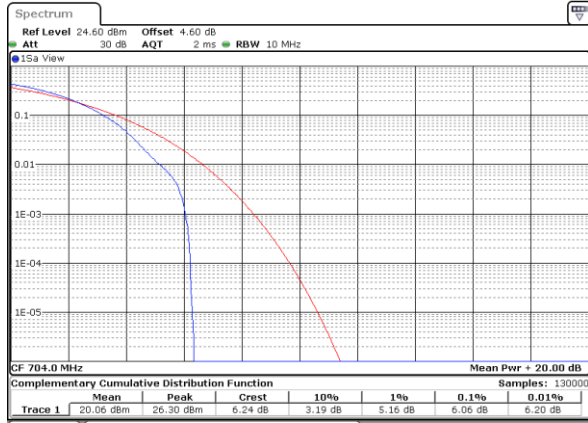
Date: 12 AUG 2020 04:56:58

Highest Channel / 1RB


Date: 12 AUG 2020 04:57:34

Highest Channel / Full RB

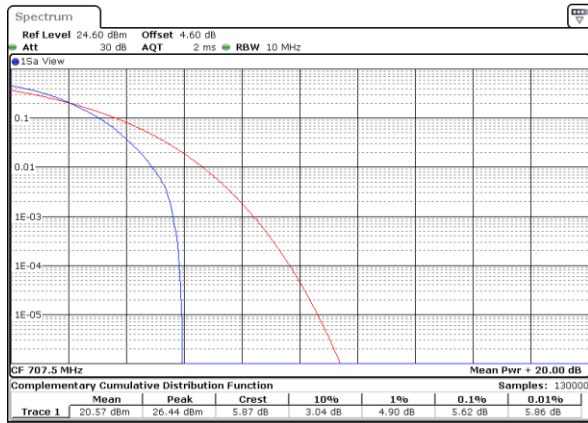

Date: 12 AUG 2020 04:58:00

LTE Band 12 / 10MHz / 64QAM
Lowest Channel / 1RB


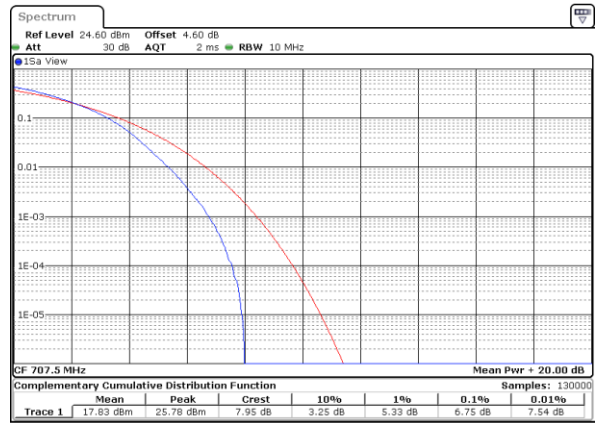
Date: 12 AUG 2020 04:55:28

Lowest Channel / Full RB


Date: 12 AUG 2020 04:55:35

Middle Channel / 1RB


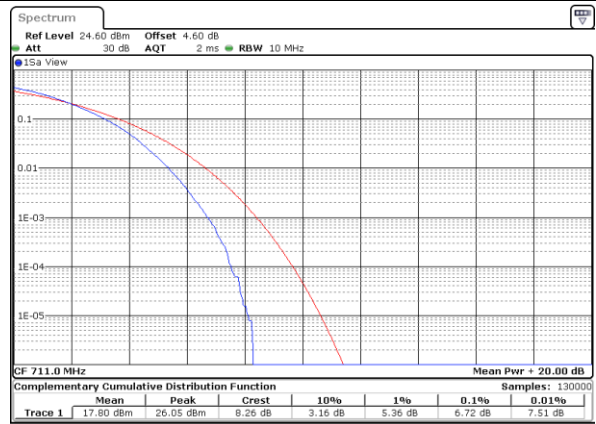
Date: 12 AUG 2020 04:55:53

Middle Channel / Full RB


Date: 12 AUG 2020 04:55:44

Highest Channel / 1RB


Date: 12 AUG 2020 04:56:02

Highest Channel / Full RB


Date: 12 AUG 2020 04:56:12

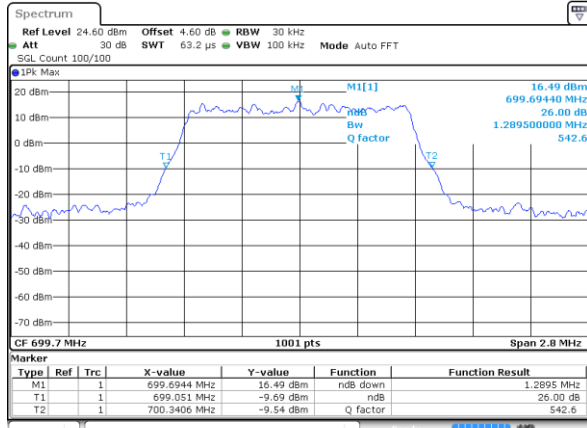
**26dB Bandwidth**

Mode	LTE Band 12 : 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	1.29	1.29	3.02	3.05	4.92	4.92	9.69	9.87	-	-	-	-
Middle CH	1.29	1.28	3.02	2.97	4.92	4.91	9.75	9.93	-	-	-	-
Highest CH	1.28	1.28	3.04	3.02	4.91	4.89	9.63	9.69	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.28	-	2.97	-	4.97	-	9.77	-	-	-	-	-
Middle CH	1.28	-	3.00	-	4.93	-	9.71	-	-	-	-	-
Highest CH	1.26	-	3.03	-	4.99	-	9.69	-	-	-	-	-



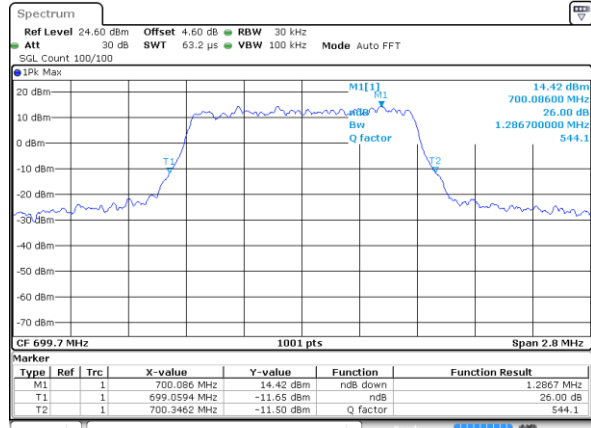
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



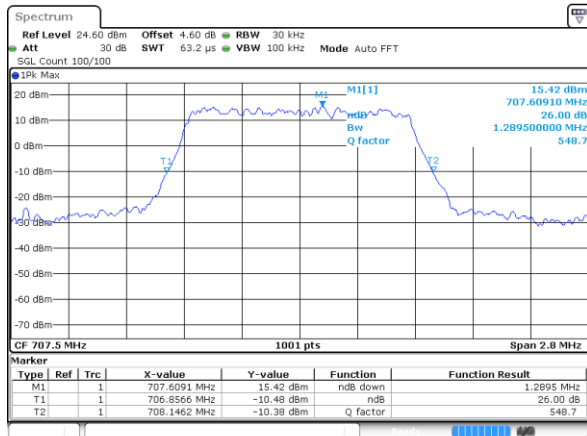
Date: 12 AUG 2020 05:00:36

Lowest Channel / 1.4MHz / 16QAM



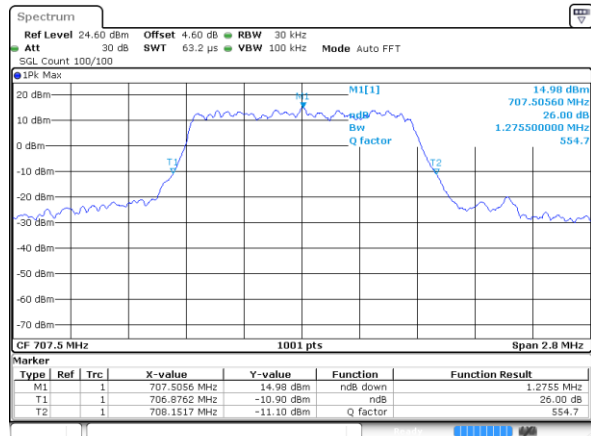
Date: 12 AUG 2020 05:00:26

Middle Channel / 1.4MHz / QPSK



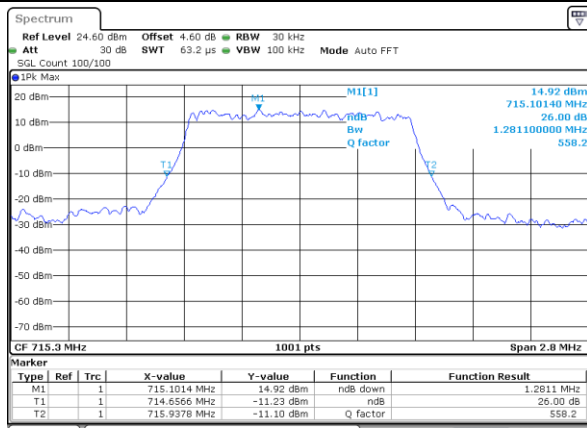
Date: 12 AUG 2020 05:00:06

Middle Channel / 1.4MHz / 16QAM



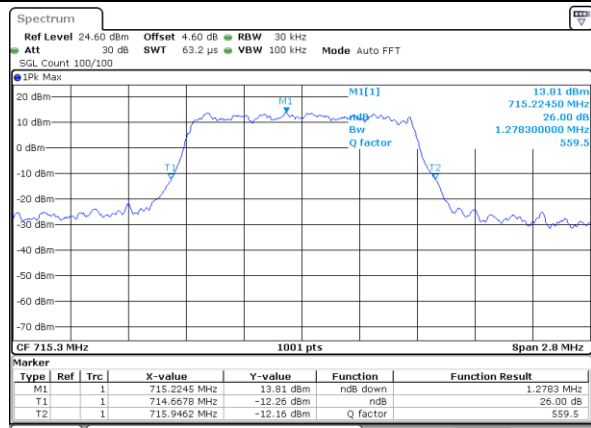
Date: 12 AUG 2020 05:00:16

Highest Channel / 1.4MHz / QPSK



Date: 12 AUG 2020 04:59:56

Highest Channel / 1.4MHz / 16QAM

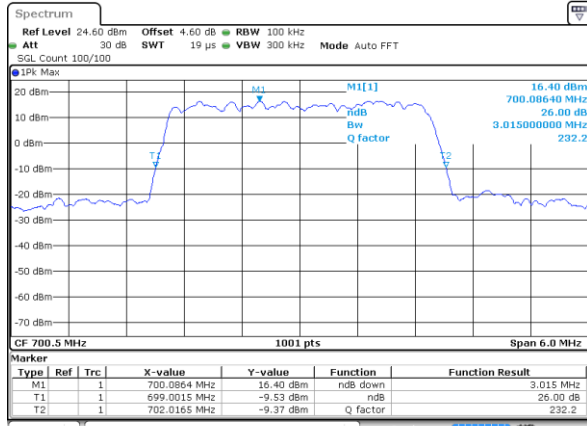


Date: 12 AUG 2020 04:59:46



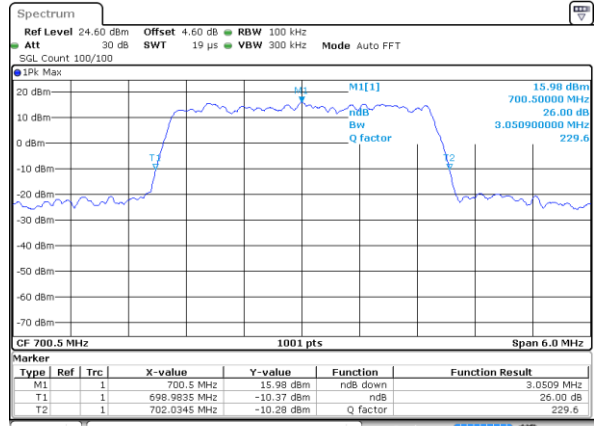
LTE Band 12

Lowest Channel / 3MHz / QPSK



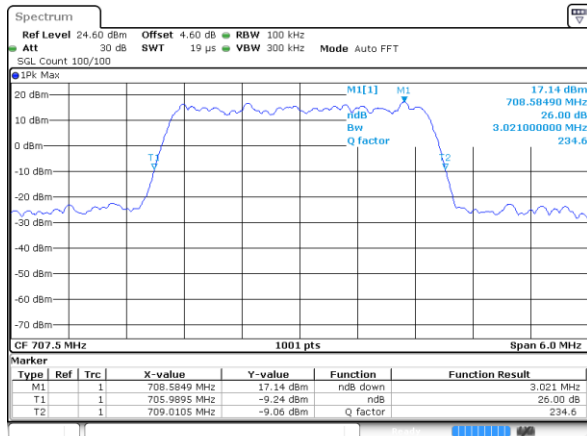
Date: 12 AUG 2020 05:17:06

Lowest Channel / 3MHz / 16QAM



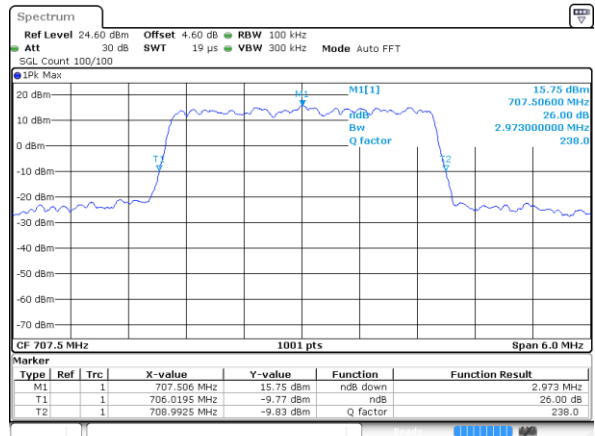
Date: 12 AUG 2020 05:16:56

Middle Channel / 3MHz / QPSK



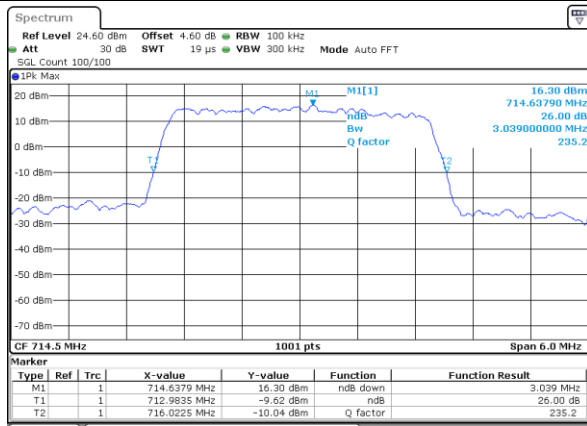
Date: 12 AUG 2020 05:16:36

Middle Channel / 3MHz / 16QAM



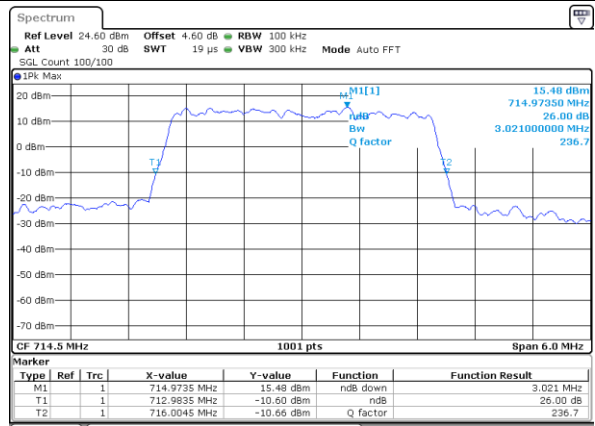
Date: 12 AUG 2020 05:16:46

Highest Channel / 3MHz / QPSK



Date: 12 AUG 2020 05:16:26

Highest Channel / 3MHz / 16QAM



Date: 12 AUG 2020 05:16:15