



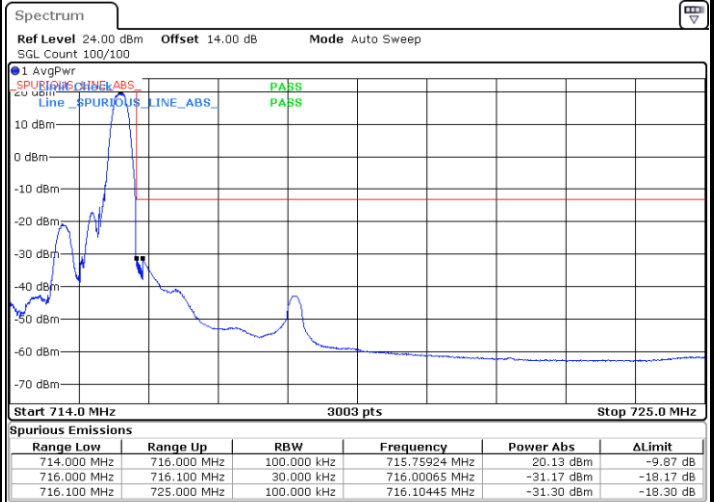
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



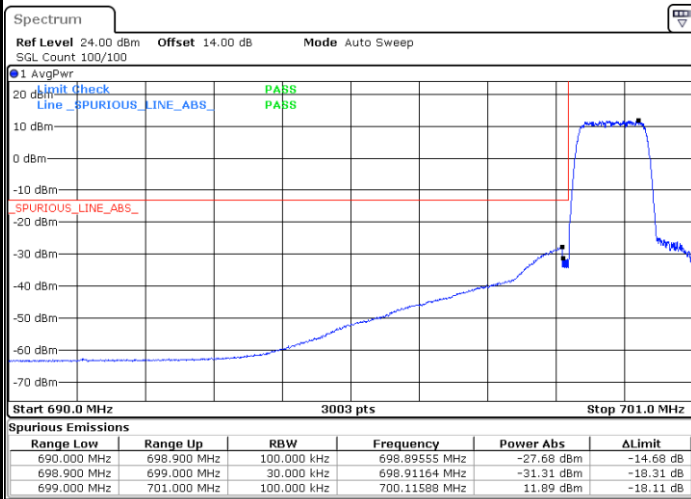
Date: 17.AUG.2020 10:57:26

Highest Band Edge / 1 RB



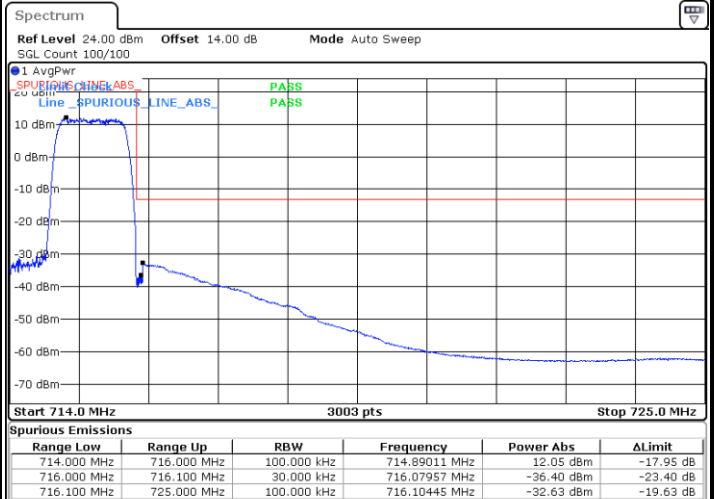
Date: 17.AUG.2020 10:02:46

Lowest Band Edge / Full RB



Date: 17.AUG.2020 09:54:30

Highest Band Edge / Full RB

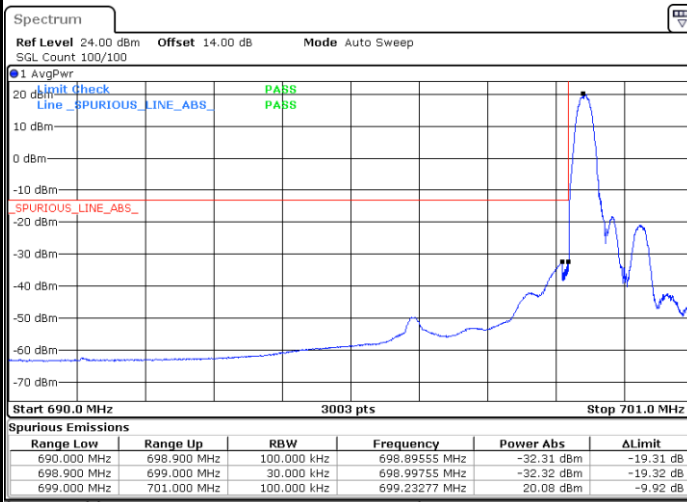


Date: 17.AUG.2020 10:02:00



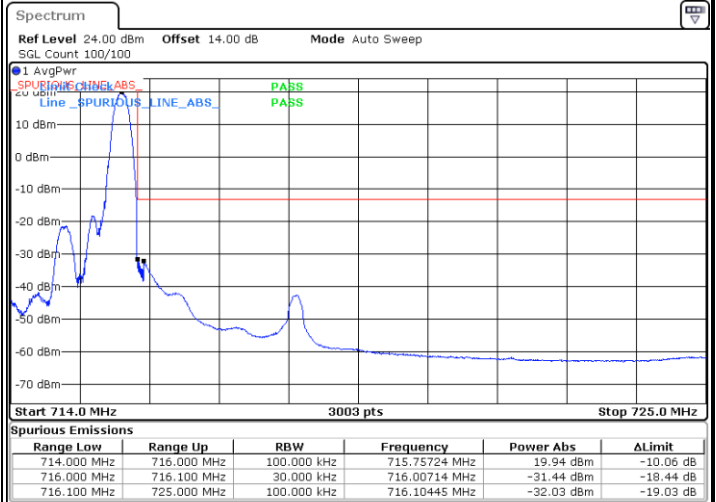
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



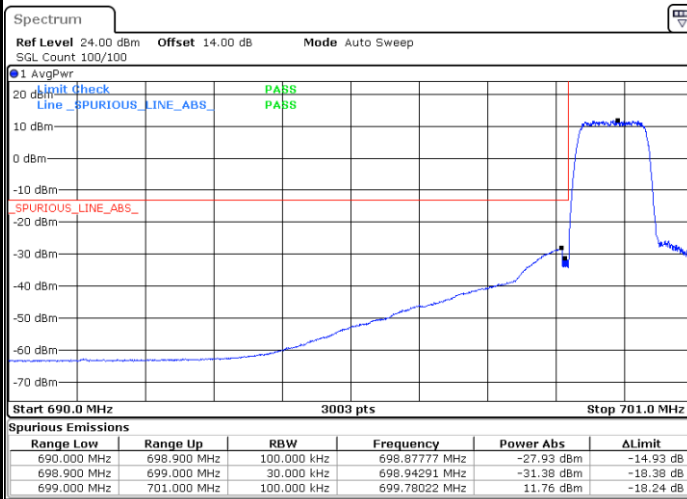
Date: 17.AUG.2020 10:30:21

Highest Band Edge / 1 RB



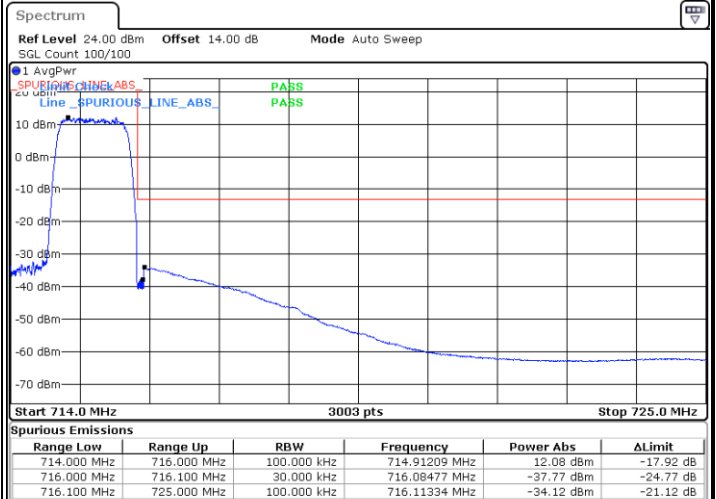
Date: 17.AUG.2020 10:34:00

Lowest Band Edge / Full RB



Date: 17.AUG.2020 10:29:35

Highest Band Edge / Full RB

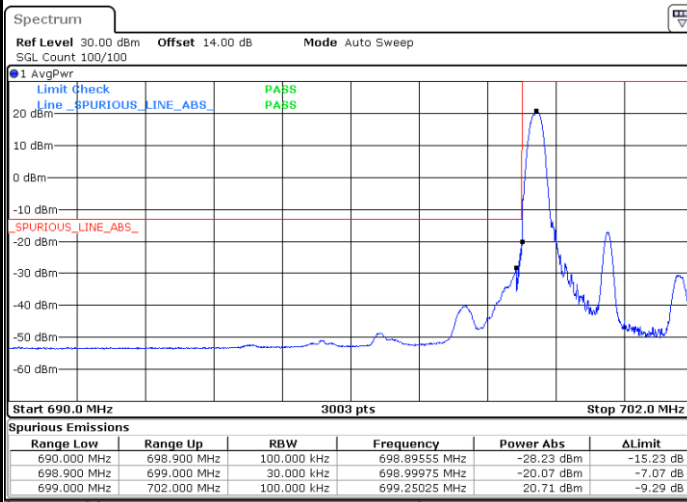


Date: 17.AUG.2020 10:33:15



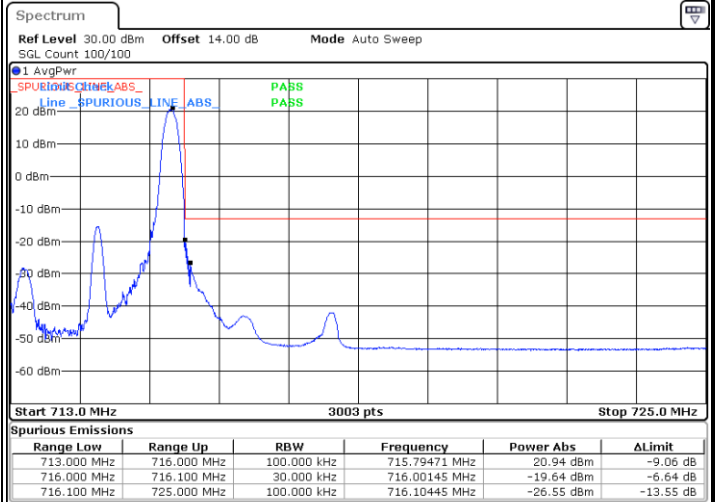
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



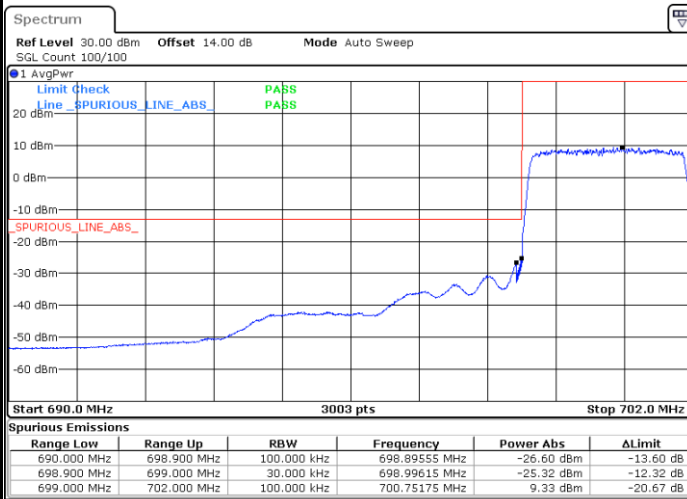
Date: 17.AUG.2020 09:12:38

Highest Band Edge / 1 RB



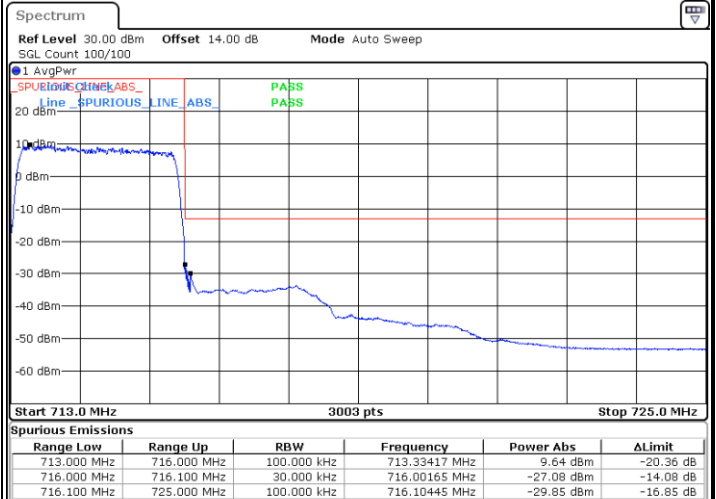
Date: 17.AUG.2020 09:22:38

Lowest Band Edge / Full RB



Date: 17.AUG.2020 09:08:59

Highest Band Edge / Full RB

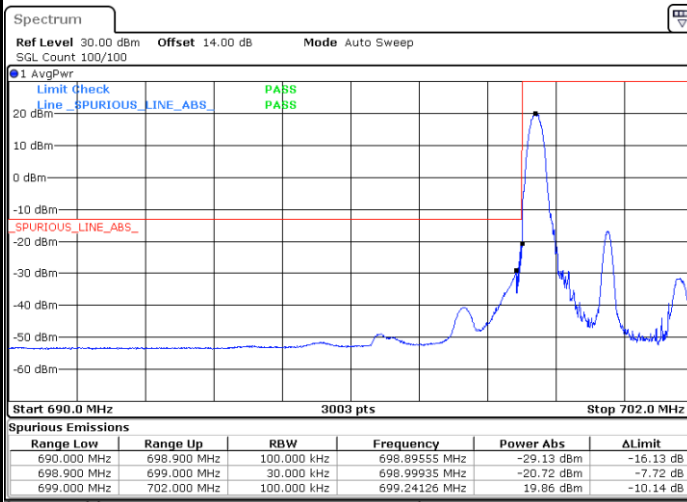


Date: 17.AUG.2020 09:20:21



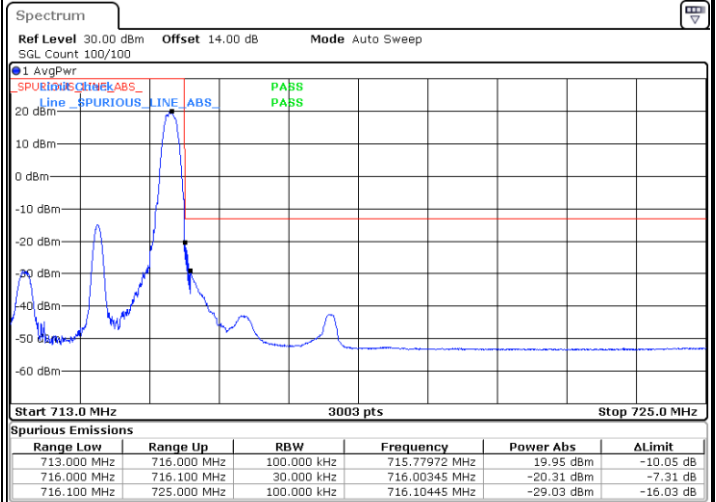
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



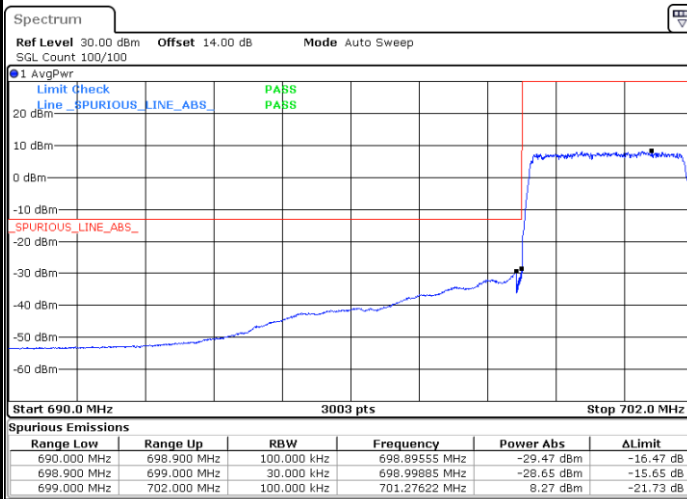
Date: 17.AUG.2020 09:10:31

Highest Band Edge / 1 RB



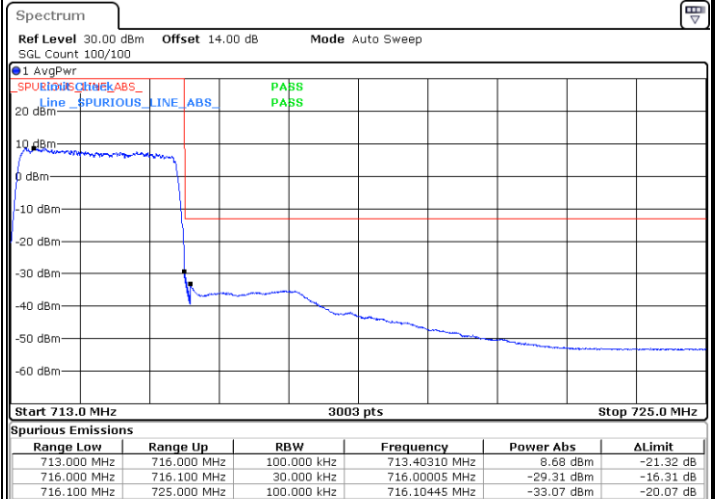
Date: 17.AUG.2020 09:21:52

Lowest Band Edge / Full RB



Date: 17.AUG.2020 09:09:45

Highest Band Edge / Full RB

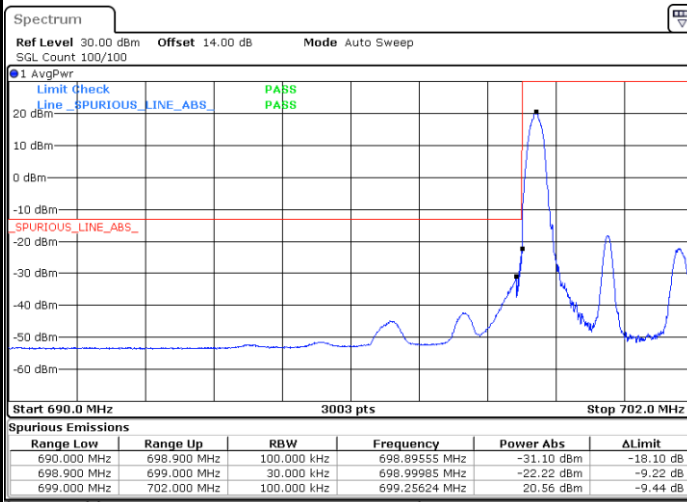


Date: 17.AUG.2020 09:21:07



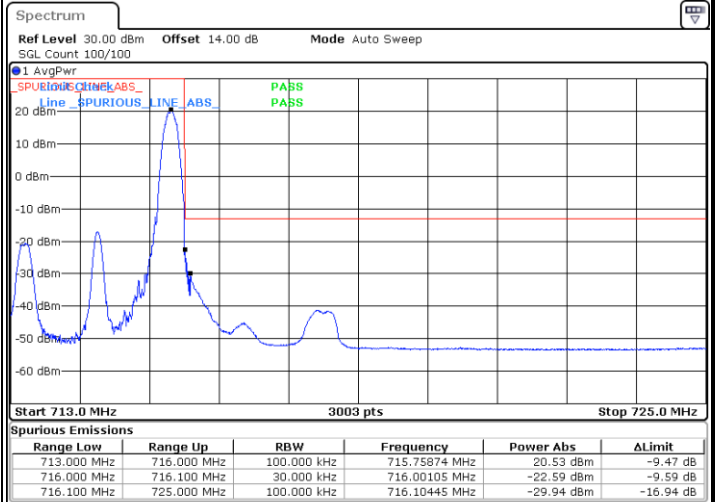
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



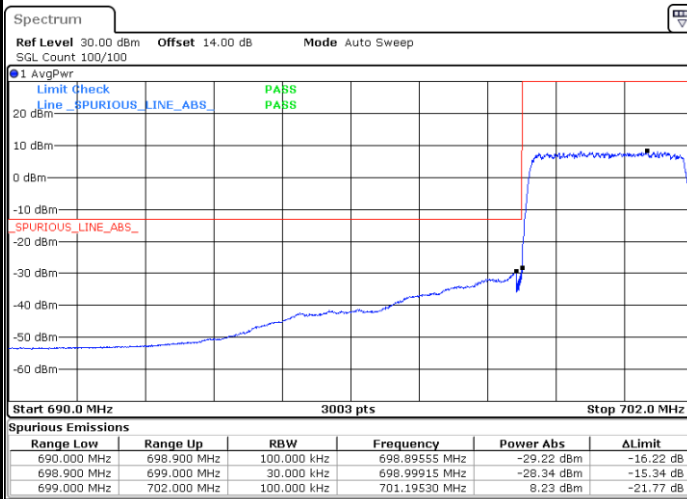
Date: 17.AUG.2020 10:11:36

Highest Band Edge / 1 RB



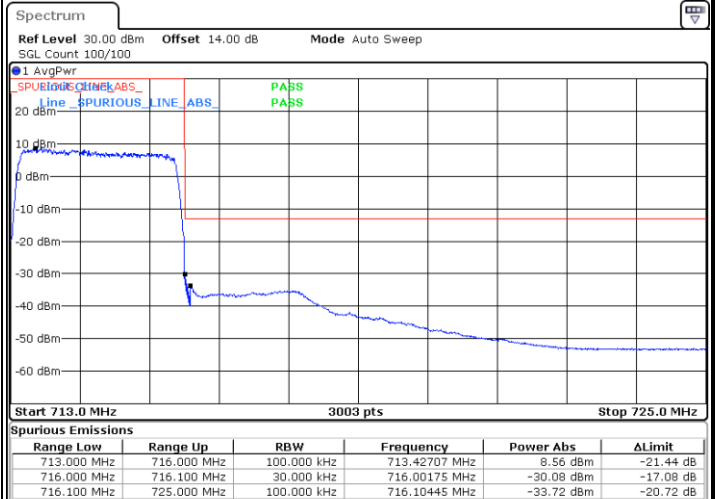
Date: 17.AUG.2020 10:15:15

Lowest Band Edge / Full RB



Date: 17.AUG.2020 10:10:50

Highest Band Edge / Full RB

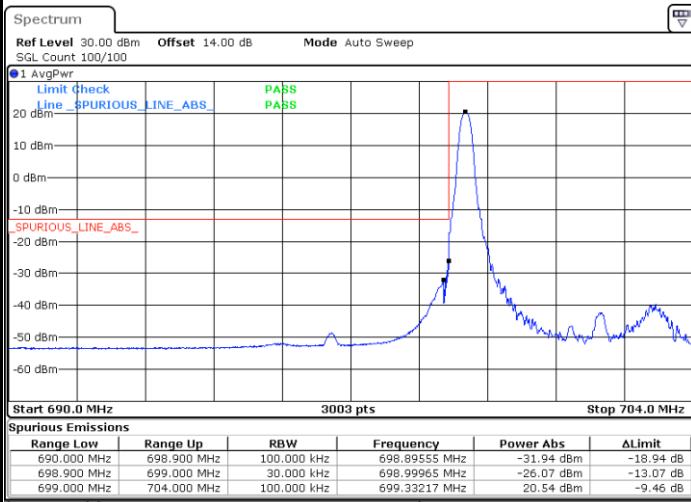


Date: 17.AUG.2020 10:14:30



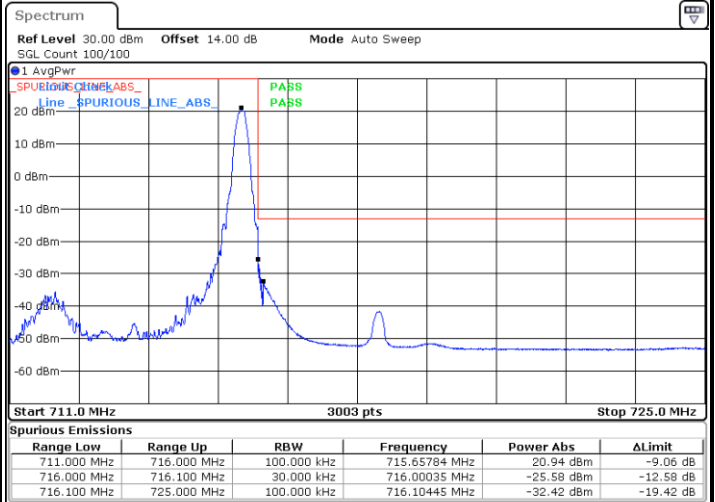
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



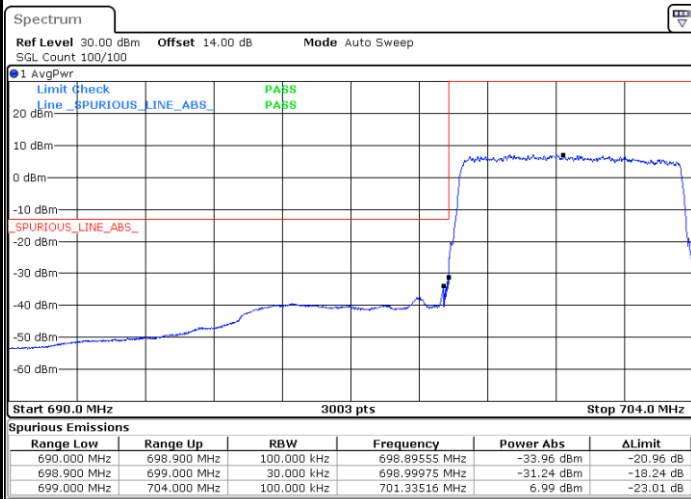
Date: 17.AUG.2020 09:27:49

Highest Band Edge / 1 RB



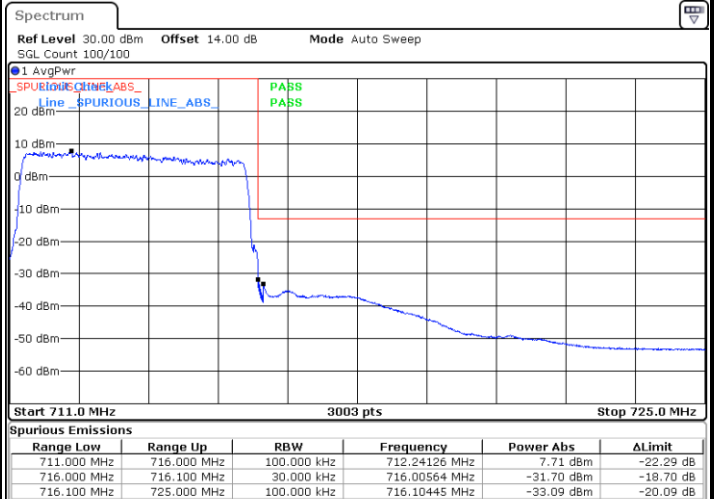
Date: 17.AUG.2020 09:34:23

Lowest Band Edge / Full RB



Date: 17.AUG.2020 09:25:32

Highest Band Edge / Full RB

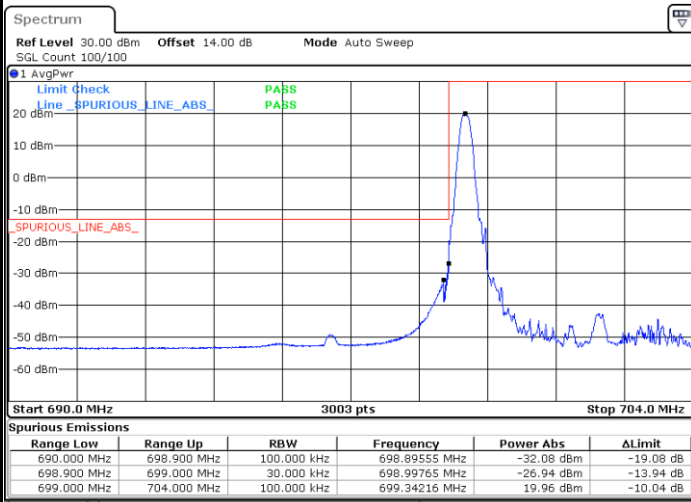


Date: 17.AUG.2020 09:32:52



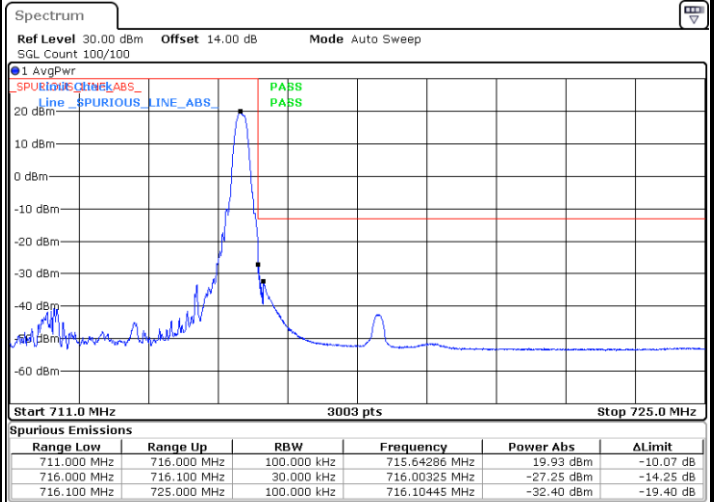
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



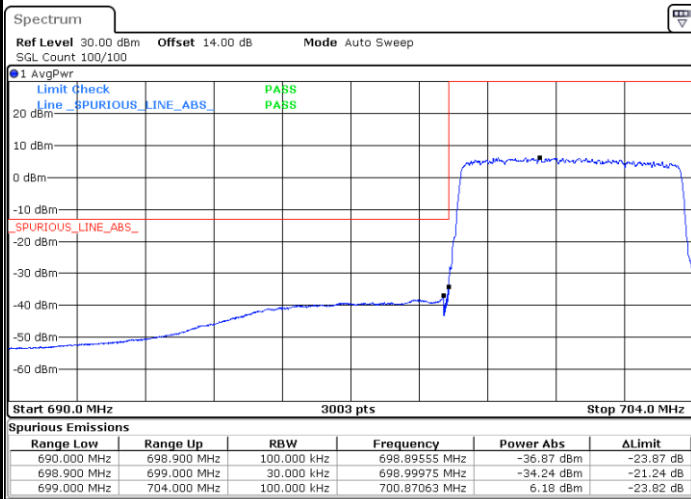
Date: 17.AUG.2020 09:27:03

Highest Band Edge / 1 RB



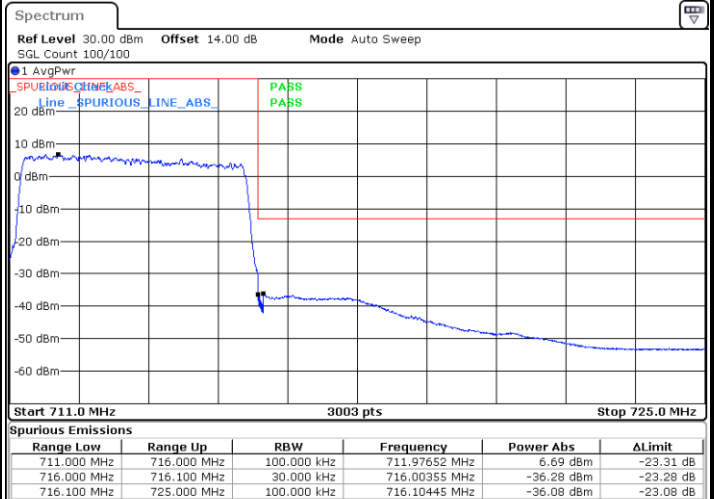
Date: 17.AUG.2020 09:35:09

Lowest Band Edge / Full RB



Date: 17.AUG.2020 09:26:18

Highest Band Edge / Full RB

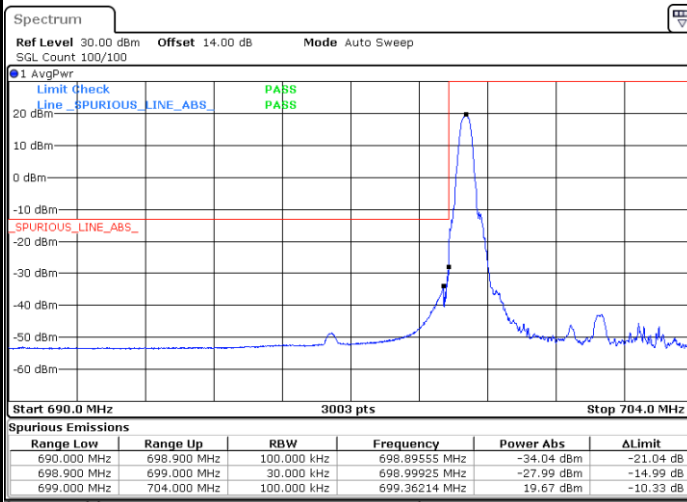


Date: 17.AUG.2020 09:33:38



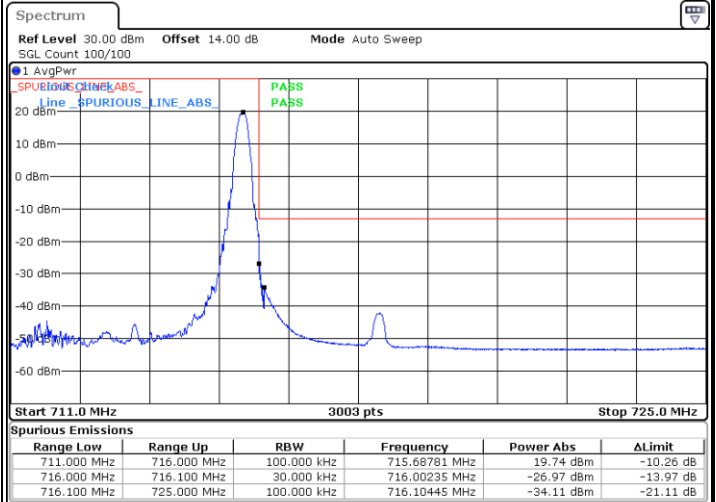
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



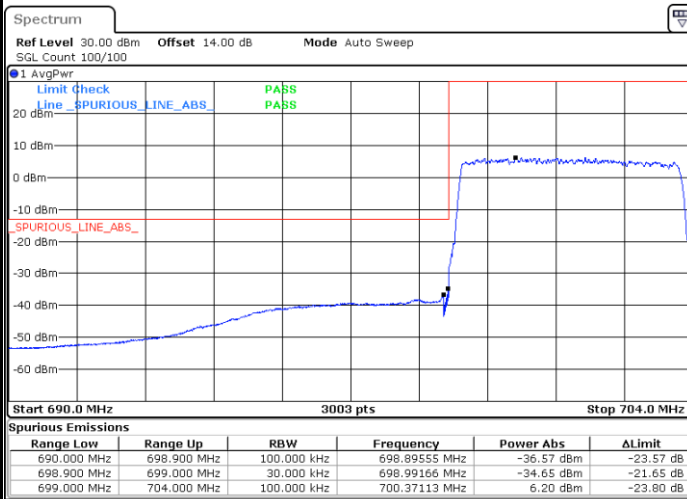
Date: 17.AUG.2020 10:17:51

Highest Band Edge / 1 RB



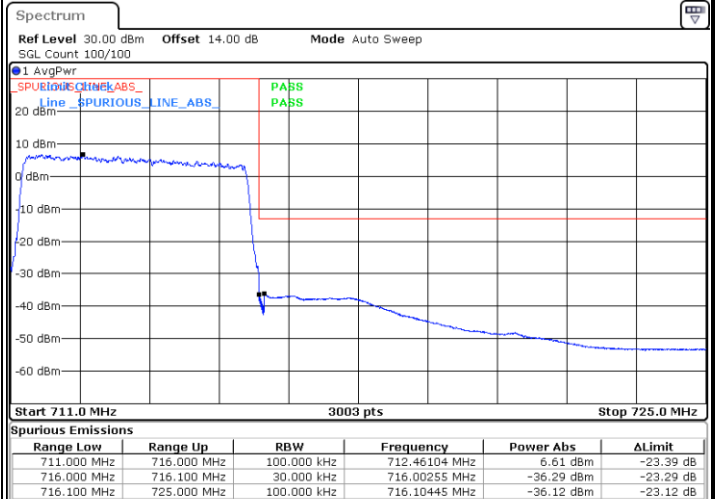
Date: 17.AUG.2020 10:21:30

Lowest Band Edge / Full RB



Date: 17.AUG.2020 10:17:05

Highest Band Edge / Full RB



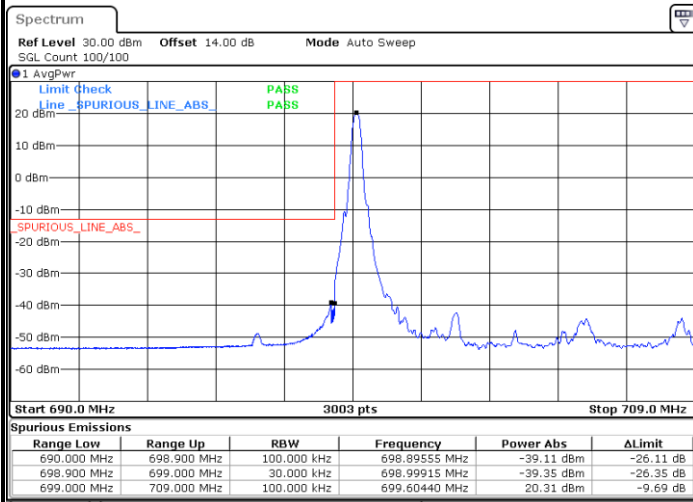
Date: 17.AUG.2020 10:20:44





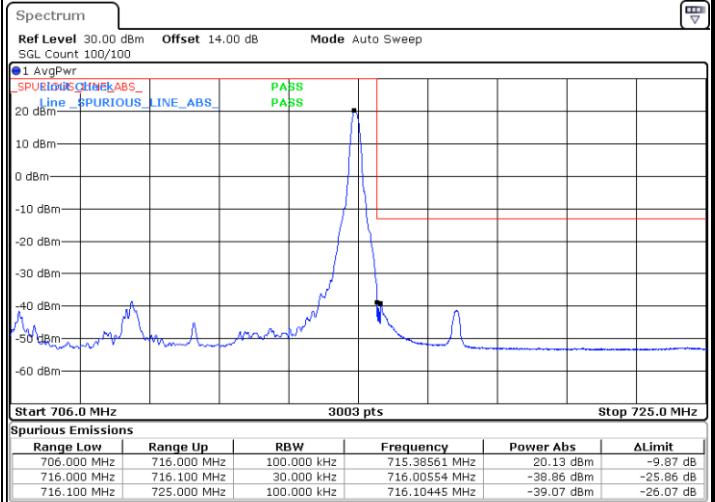
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



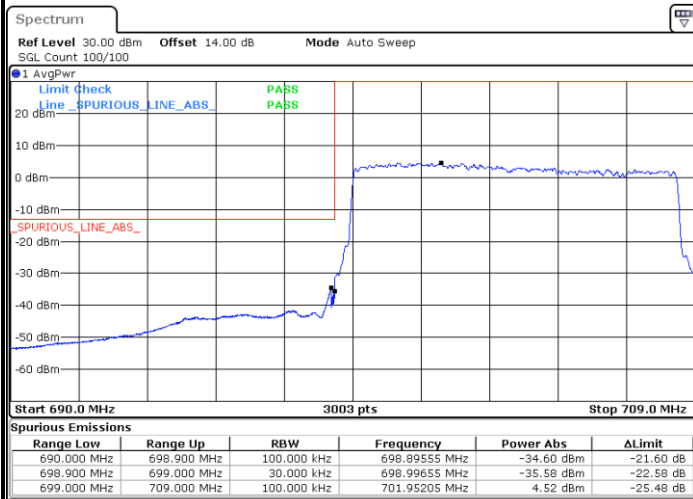
Date: 17.AUG.2020 09:40:20

Highest Band Edge / 1 RB



Date: 17.AUG.2020 09:47:41

Lowest Band Edge / Full RB



Date: 17.AUG.2020 09:38:03

Highest Band Edge / Full RB

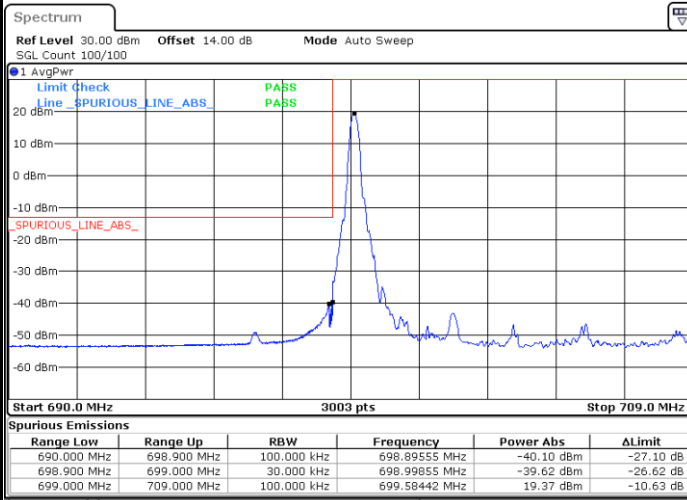


Date: 17.AUG.2020 09:45:24



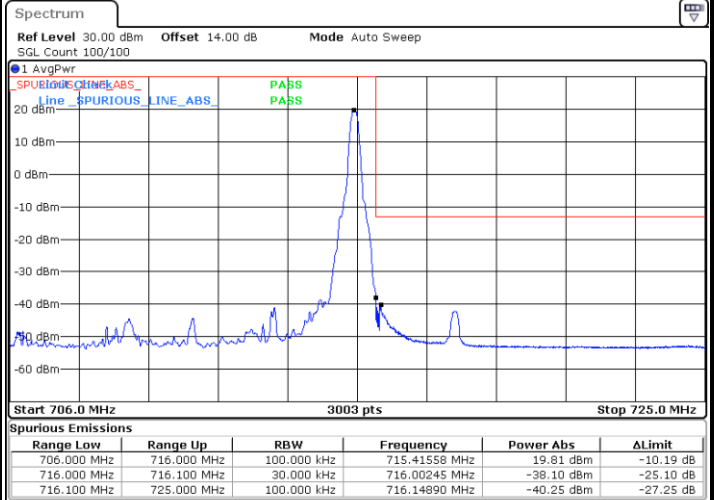
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



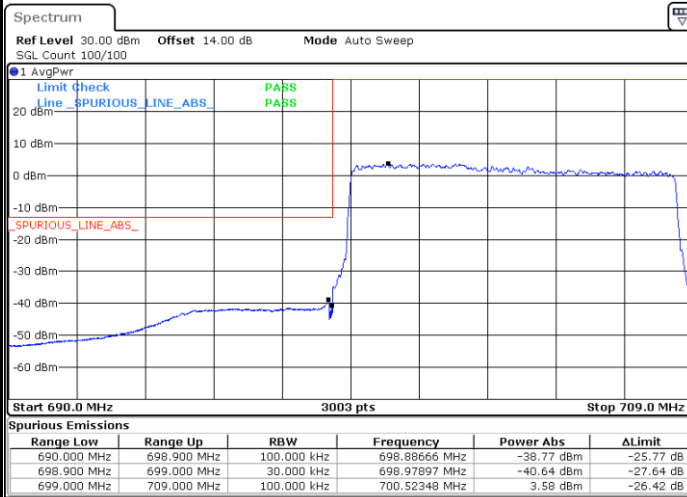
Date: 17.AUG.2020 09:39:35

Highest Band Edge / 1 RB



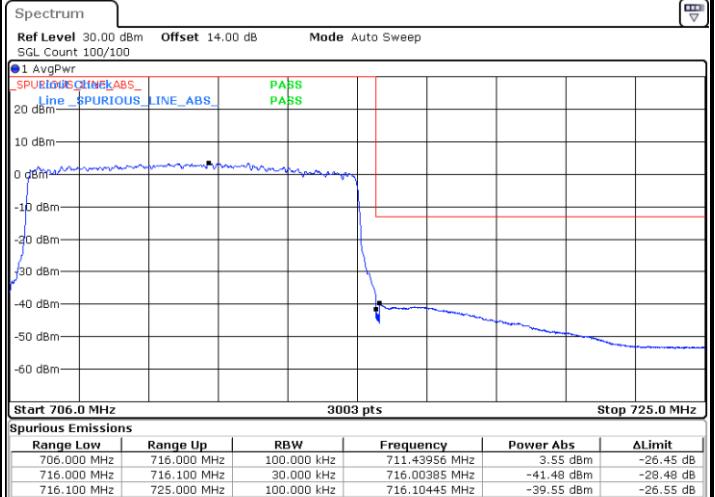
Date: 17.AUG.2020 09:46:55

Lowest Band Edge / Full RB



Date: 17.AUG.2020 09:38:49

Highest Band Edge / Full RB

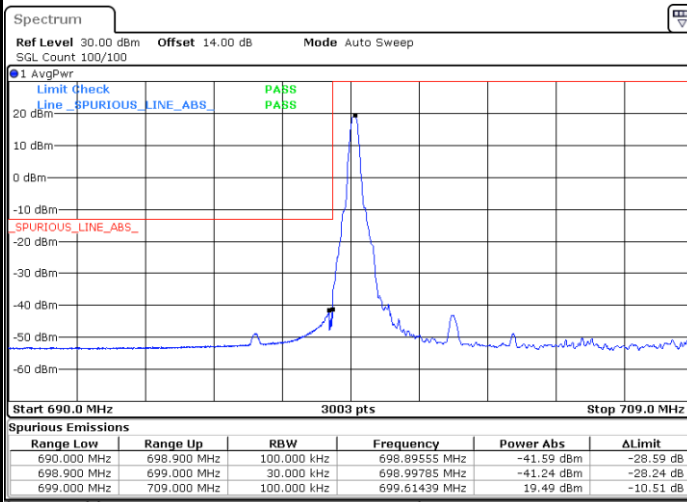


Date: 17.AUG.2020 09:46:10



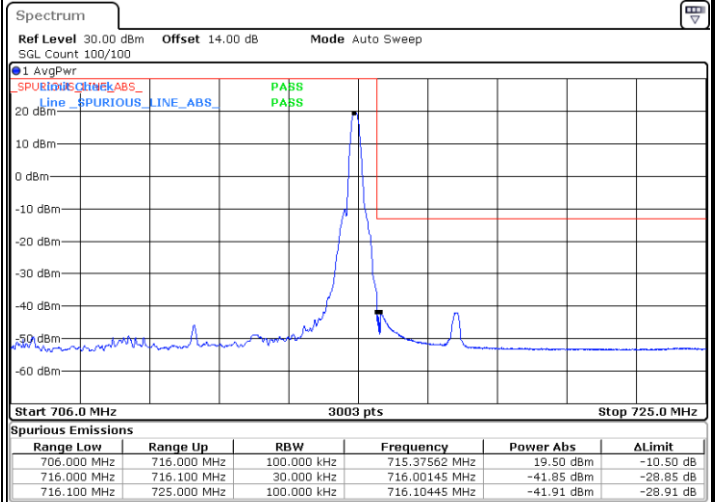
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



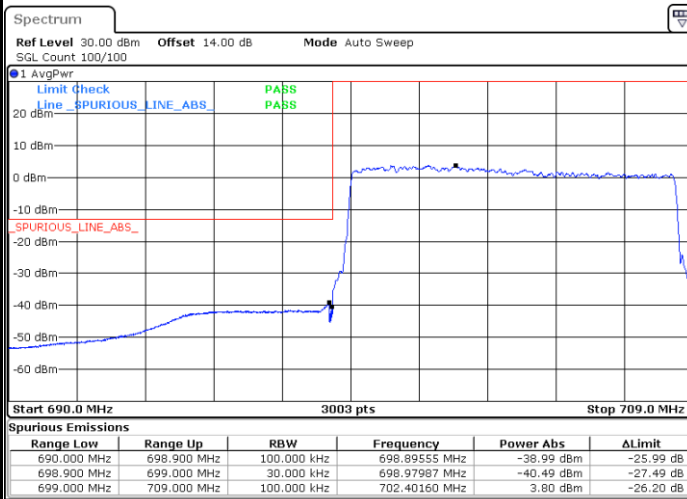
Date: 17.AUG.2020 10:24:05

Highest Band Edge / 1 RB



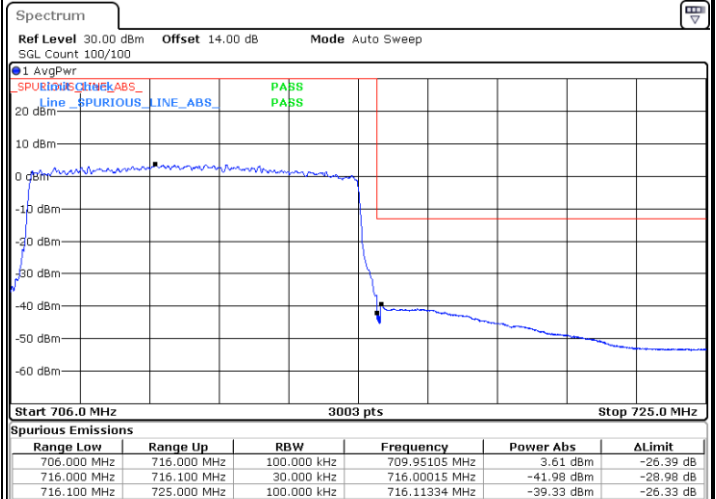
Date: 17.AUG.2020 10:27:45

Lowest Band Edge / Full RB



Date: 17.AUG.2020 10:23:20

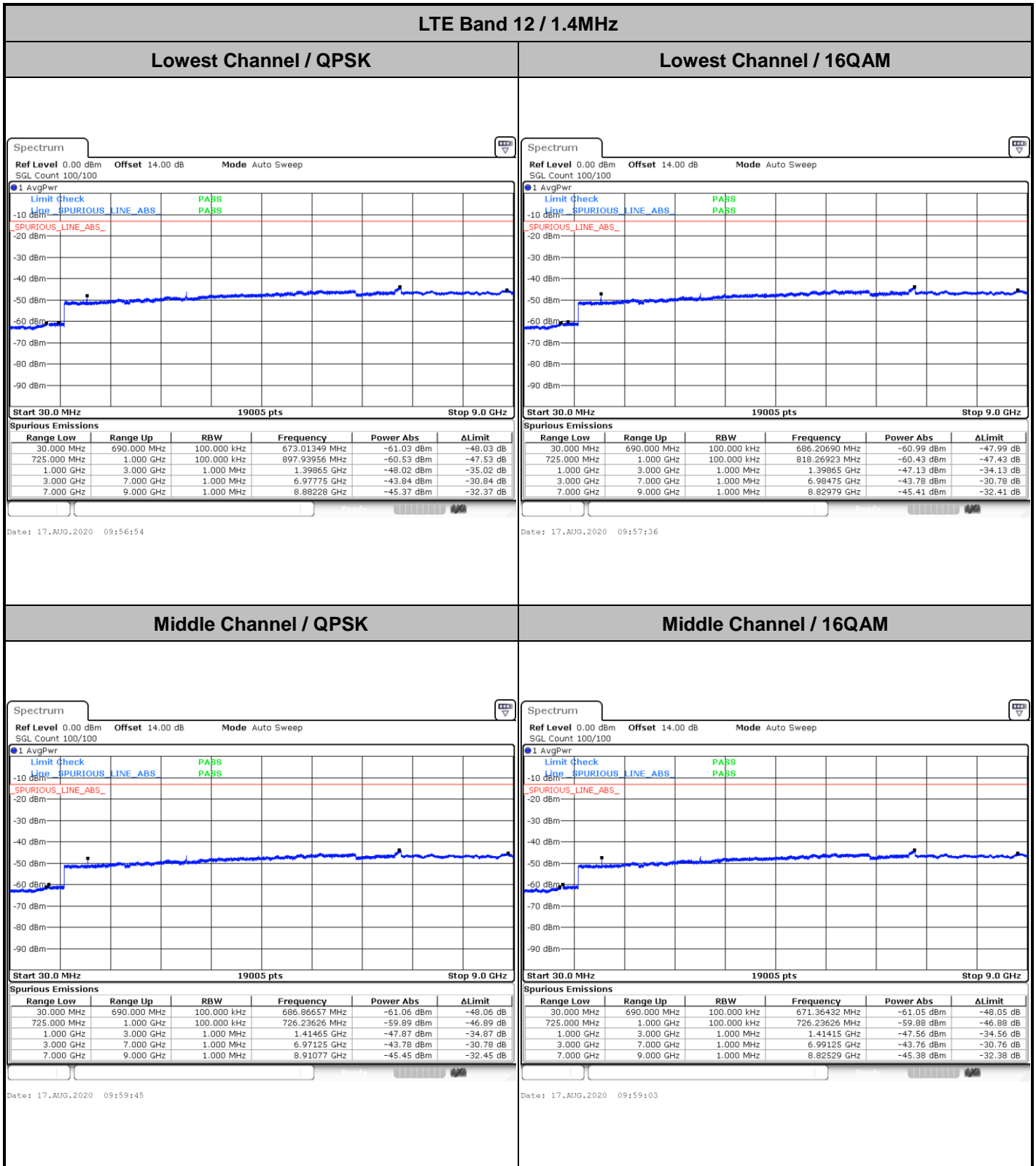
Highest Band Edge / Full RB



Date: 17.AUG.2020 10:27:00



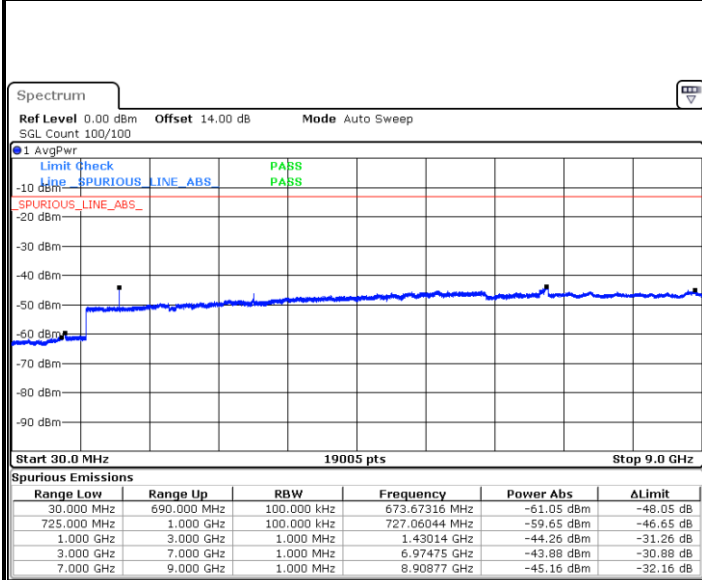
# Conducted Spurious Emission





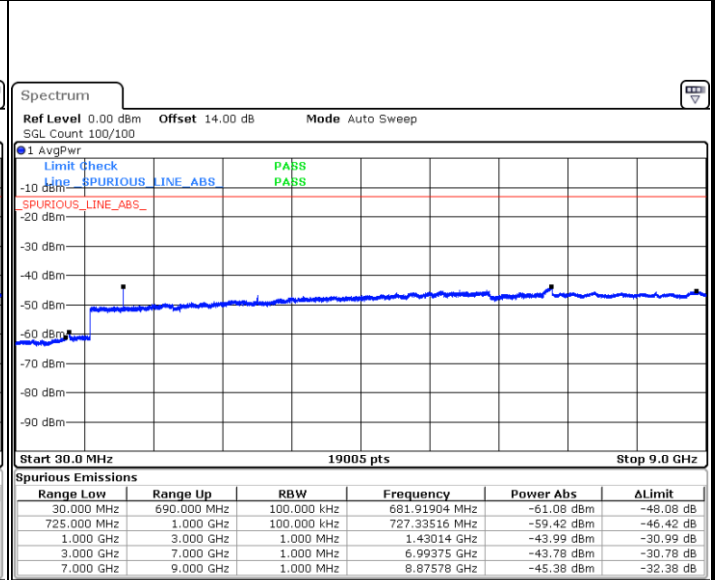
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 17.AUG.2020 10:04:14

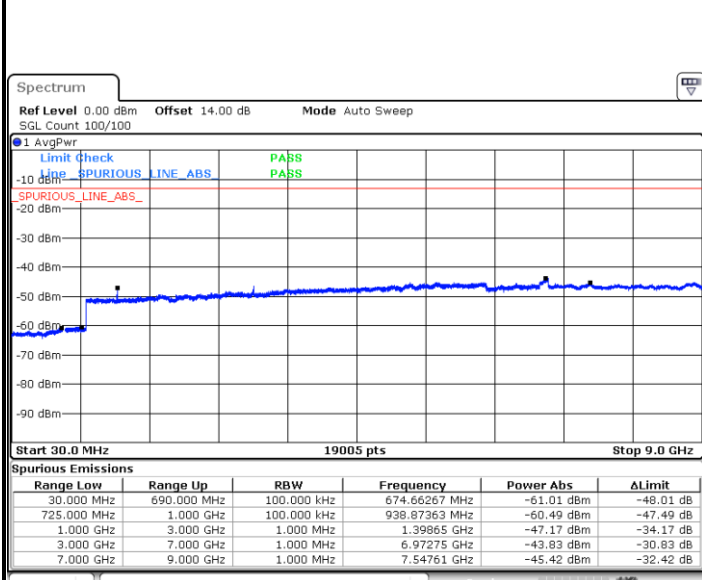
Highest Channel / 16QAM



Date: 17.AUG.2020 10:04:56

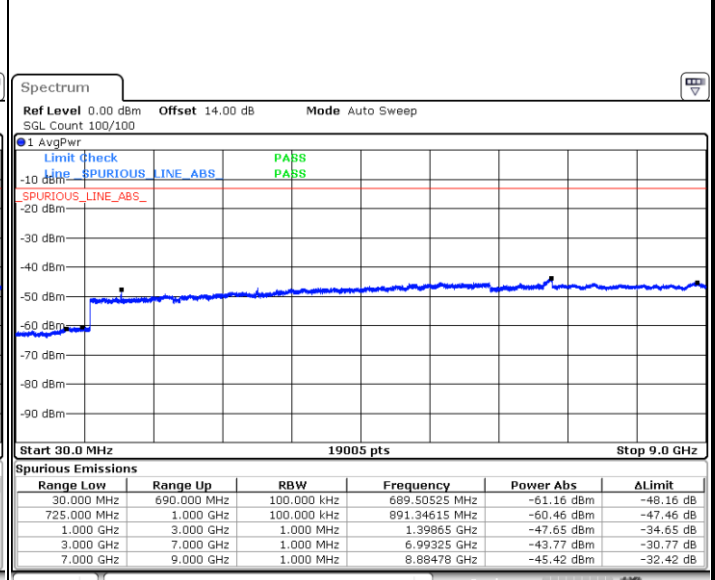
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 17.AUG.2020 09:13:20

Lowest Channel / 16QAM



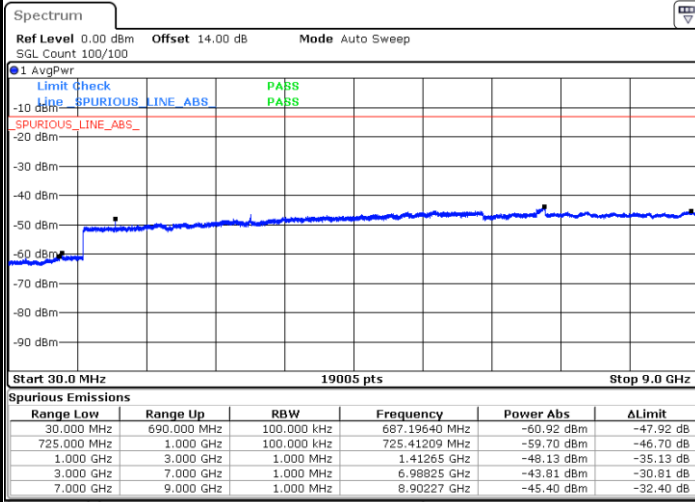
Date: 17.AUG.2020 09:14:01



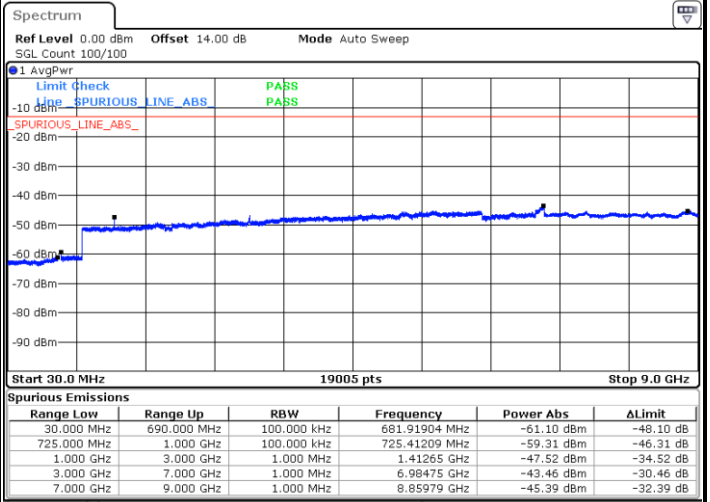
LTE Band 12 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



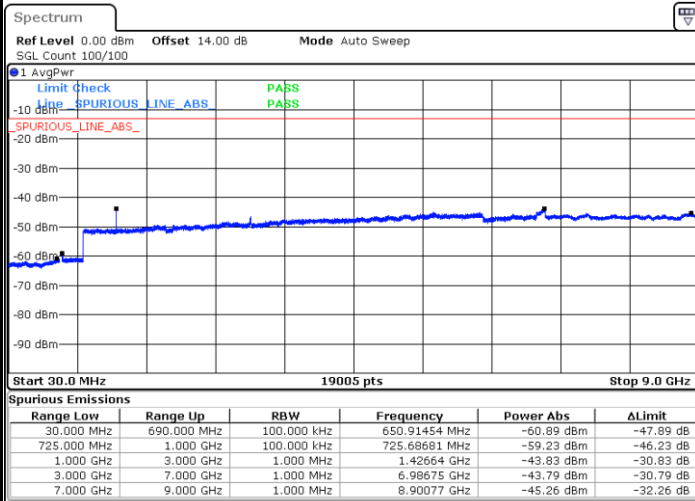
Date: 17.AUG.2020 09:16:09



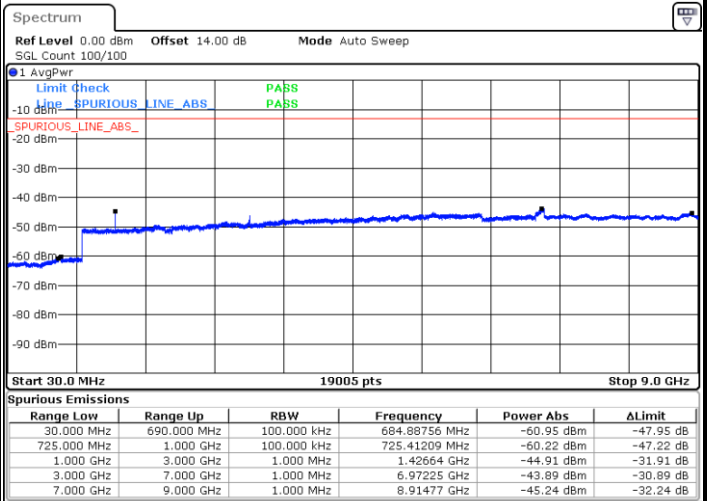
Date: 17.AUG.2020 09:15:27

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 17.AUG.2020 09:23:20



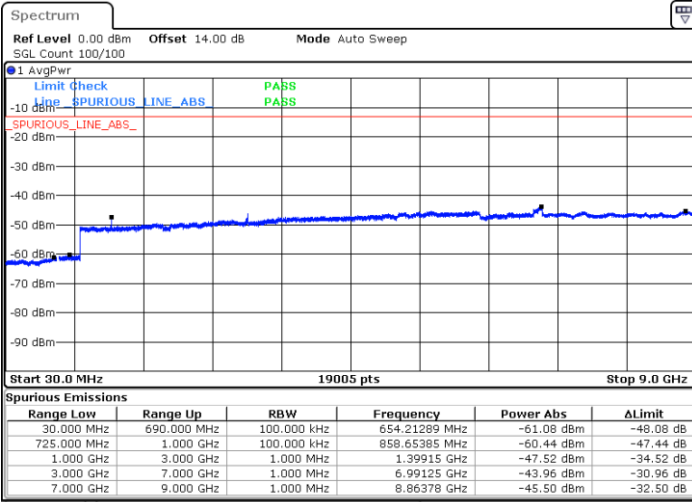
Date: 17.AUG.2020 09:24:03



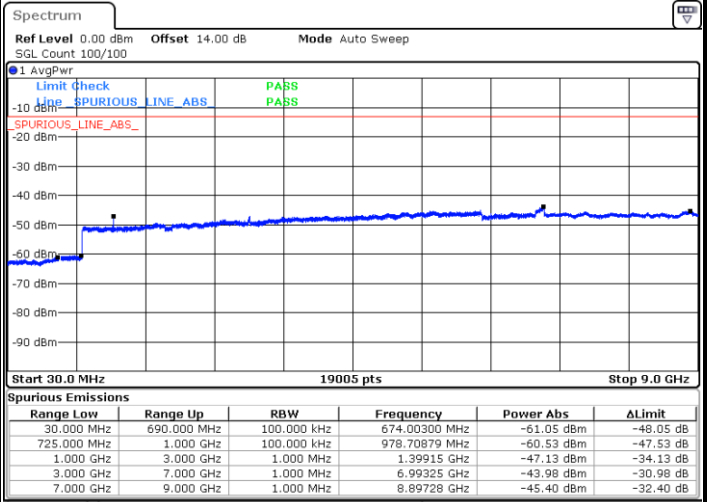
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



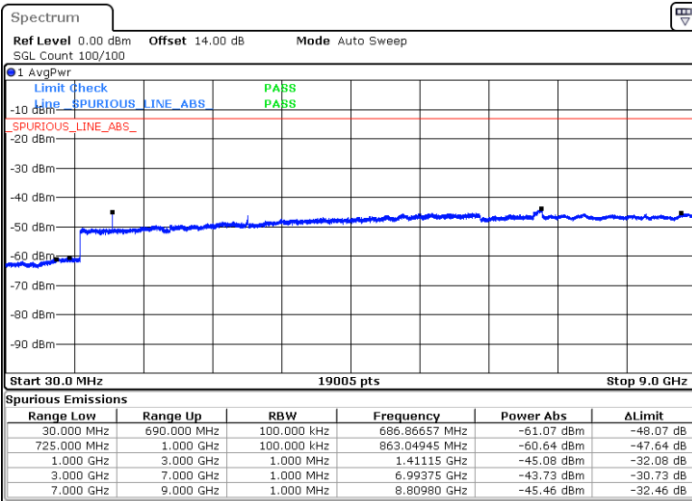
Date: 17.AUG.2020 09:28:31



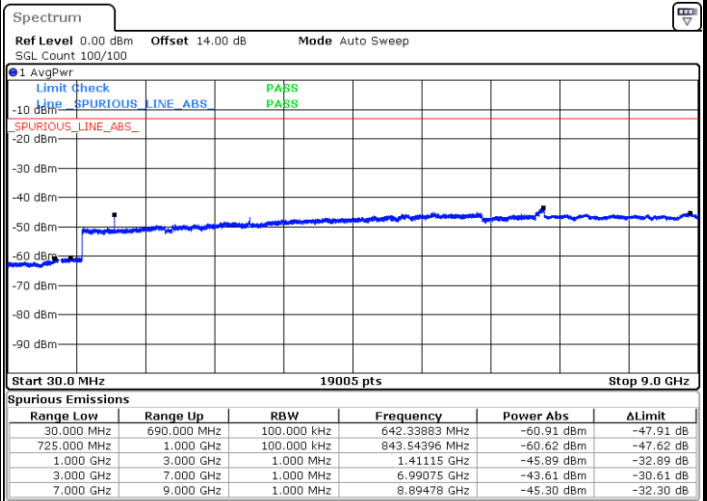
Date: 17.AUG.2020 09:29:13

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 17.AUG.2020 09:31:22

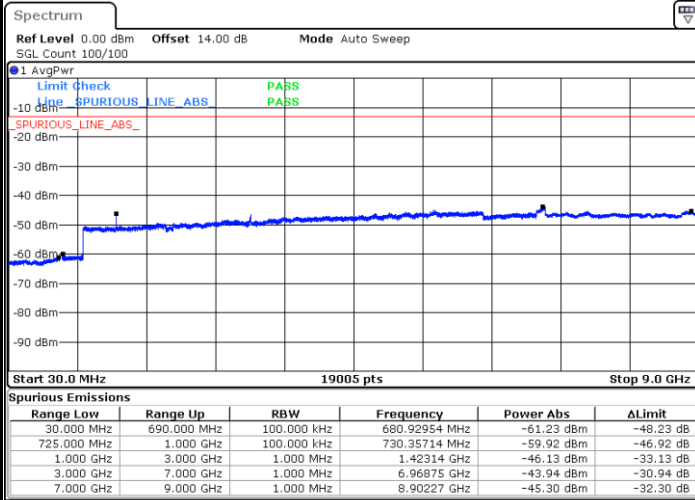


Date: 17.AUG.2020 09:30:40



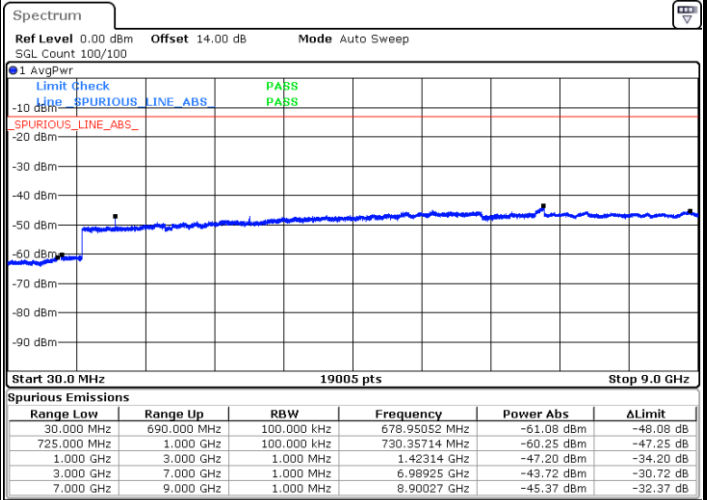
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 17.AUG.2020 09:36:34

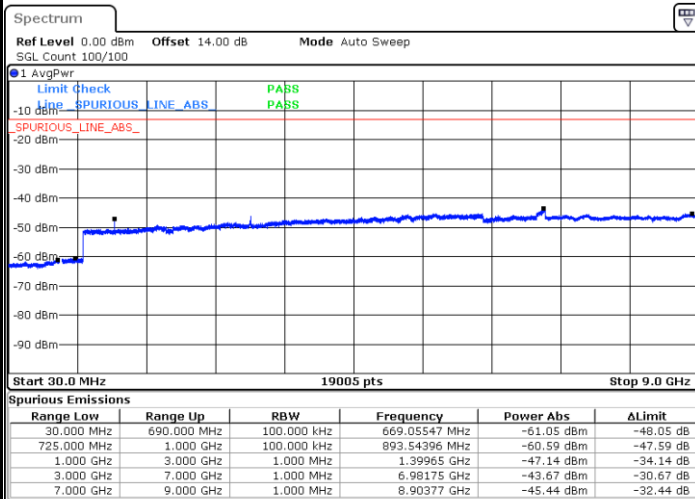
Highest Channel / 16QAM



Date: 17.AUG.2020 09:35:52

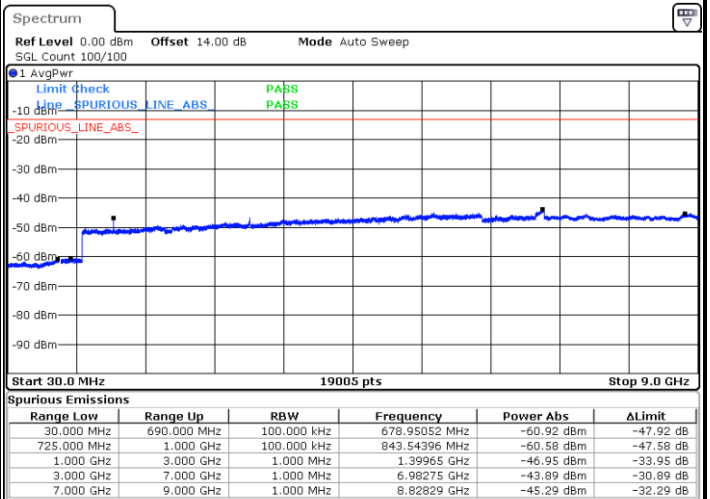
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 17.AUG.2020 09:41:03

Lowest Channel / 16QAM



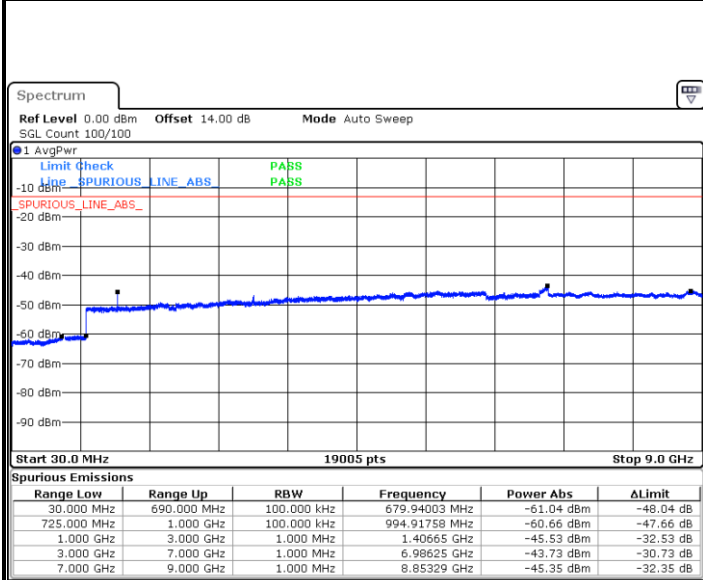
Date: 17.AUG.2020 09:41:45





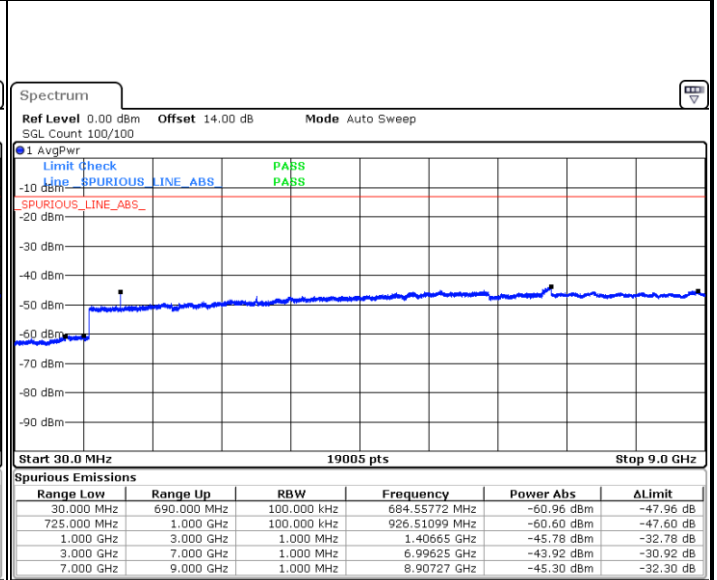
LTE Band 12 / 10MHz

Middle Channel / QPSK



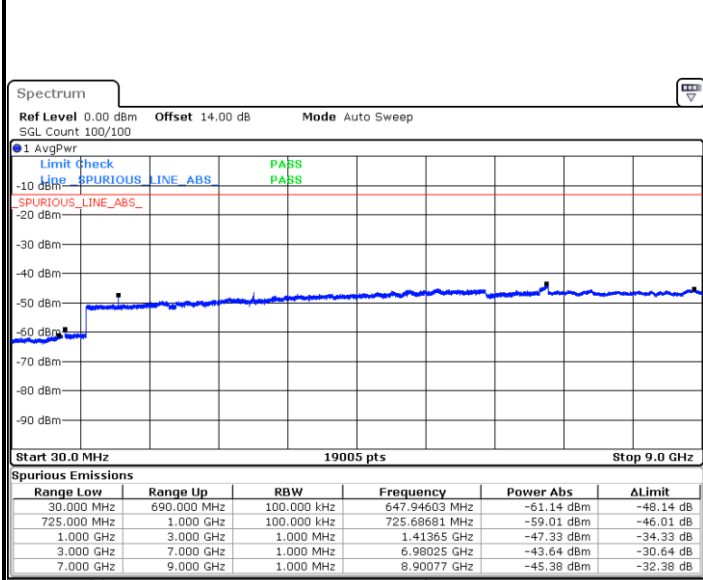
Date: 17.AUG.2020 09:43:55

Middle Channel / 16QAM



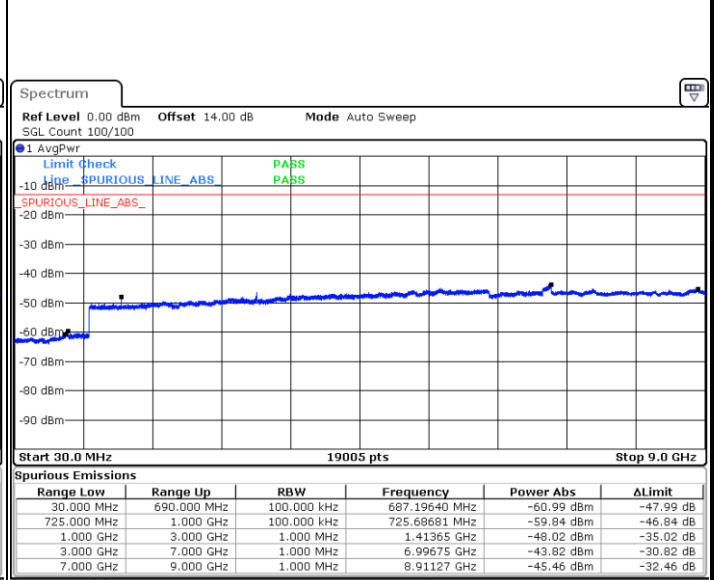
Date: 17.AUG.2020 09:43:12

Highest Channel / QPSK



Date: 17.AUG.2020 09:48:24

Highest Channel / 16QAM



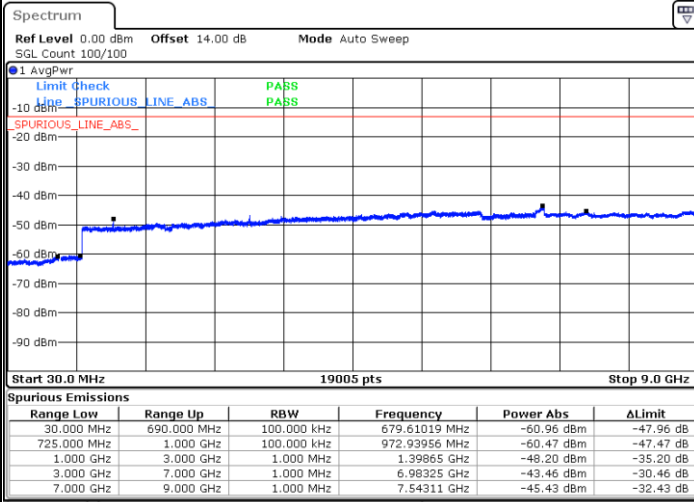
Date: 17.AUG.2020 09:49:06



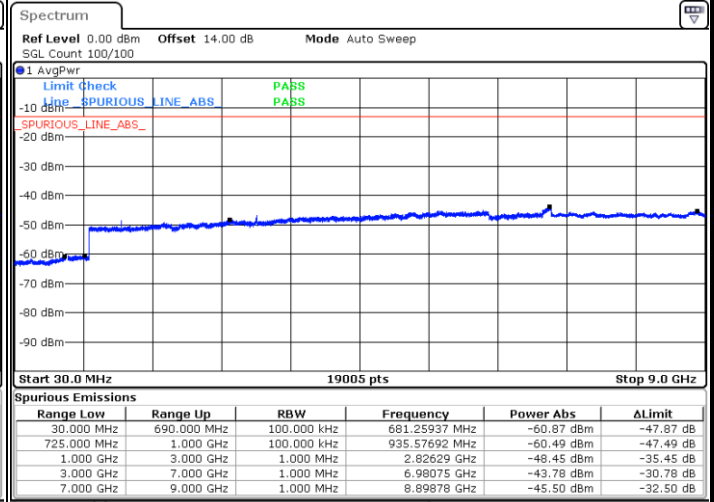
LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

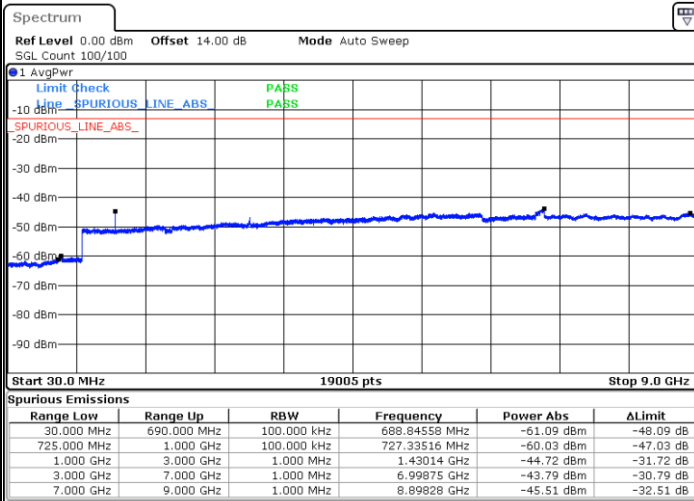


Date: 17.AUG.2020 10:31:03



Date: 17.AUG.2020 10:32:08

Highest Channel / 64QAM



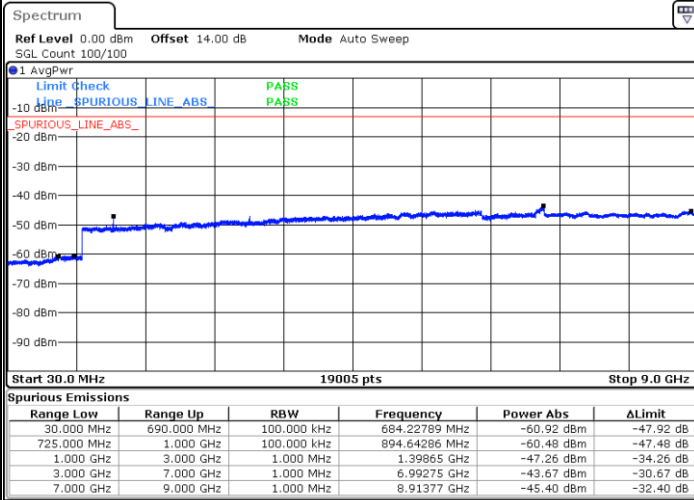
Date: 17.AUG.2020 10:34:43



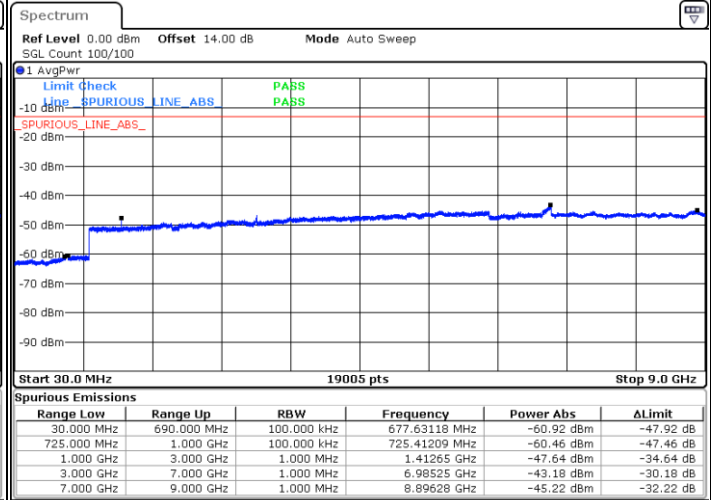
LTE Band 12 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

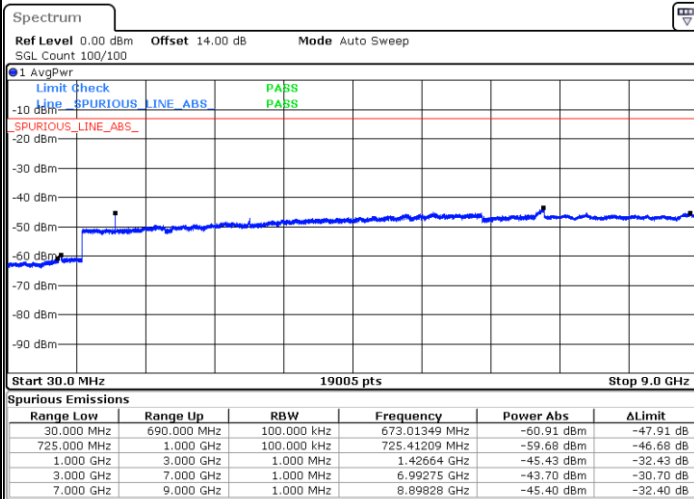


Date: 17.AUG.2020 10:12:18



Date: 17.AUG.2020 10:13:23

Highest Channel / 64QAM



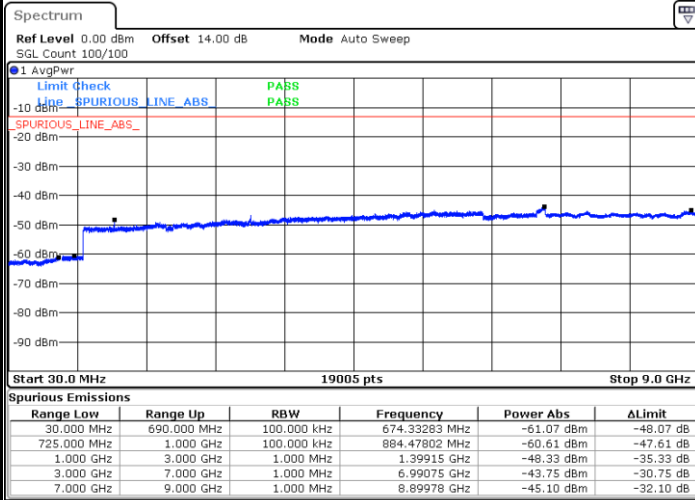
Date: 17.AUG.2020 10:15:58



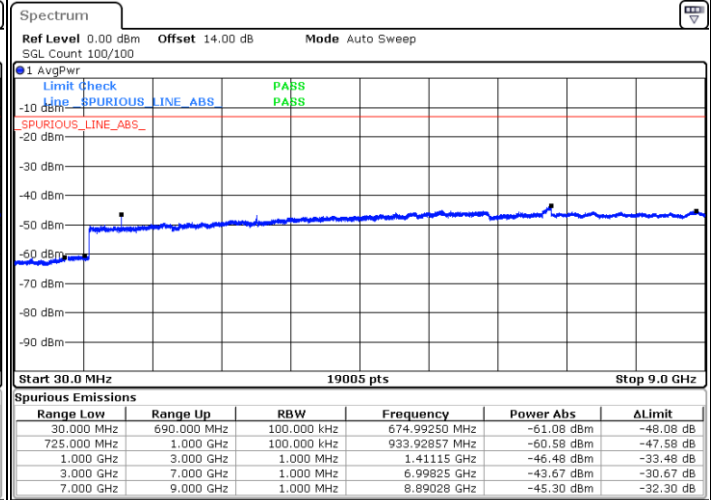
LTE Band 12 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

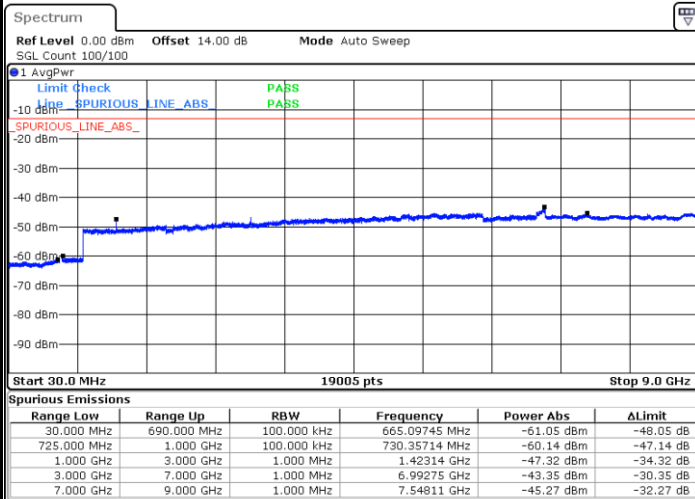


Date: 17.AUG.2020 10:18:33



Date: 17.AUG.2020 10:19:37

Highest Channel / 64QAM



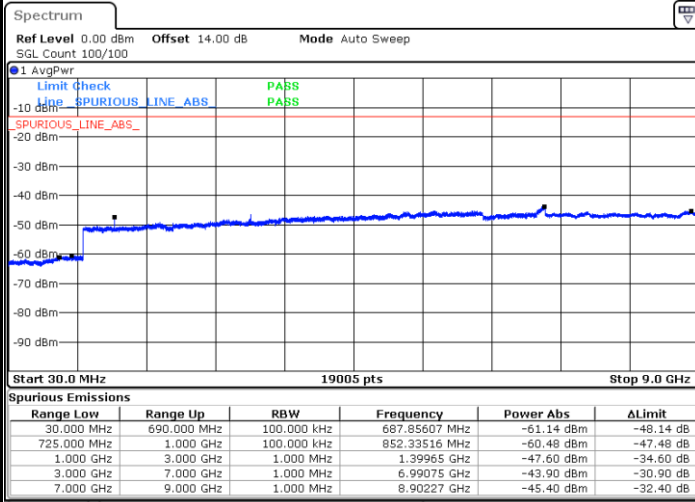
Date: 17.AUG.2020 10:22:13



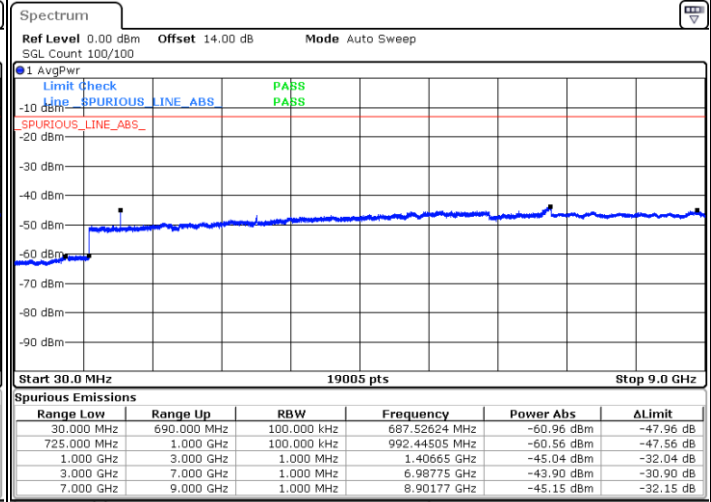
LTE Band 12 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

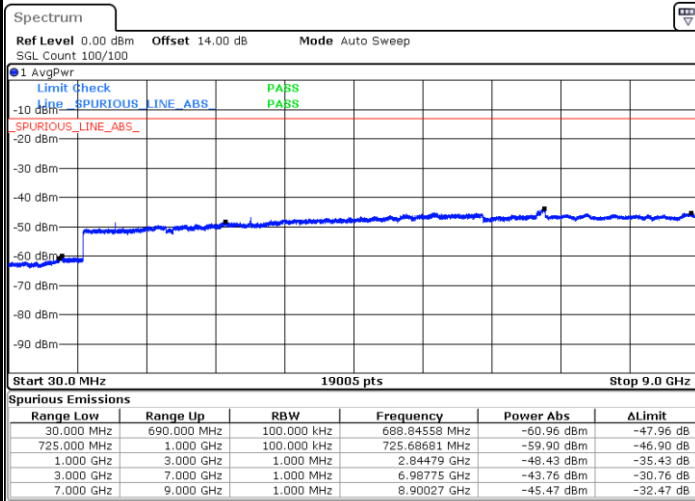


Date: 17.AUG.2020 10:24:48



Date: 17.AUG.2020 10:25:52

Highest Channel / 64QAM



Date: 17.AUG.2020 10:28:28



Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0054	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage =4 V. ; Battery End Point (BEP) =3.7 V. ; Maximum Voltage =4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 17

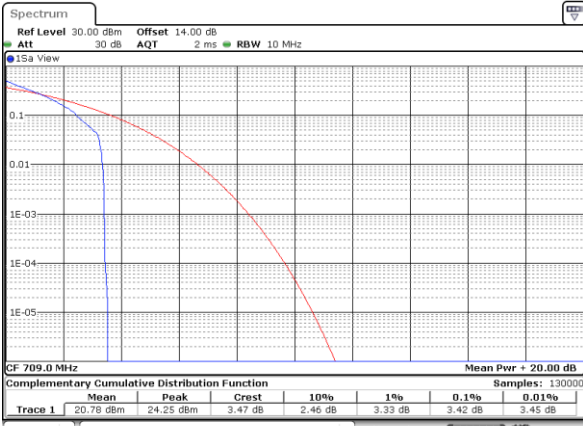
## Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.42	4.43	5.13	5.68	PASS
Middle CH	3.45	4.32	4.75	5.62	
Highest CH	3.45	4.26	4.99	5.57	
Mode	LTE Band 17 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.32	6.29	-	-	PASS
Middle CH	6.35	6.23	-	-	
Highest CH	6.38	6.20	-	-	



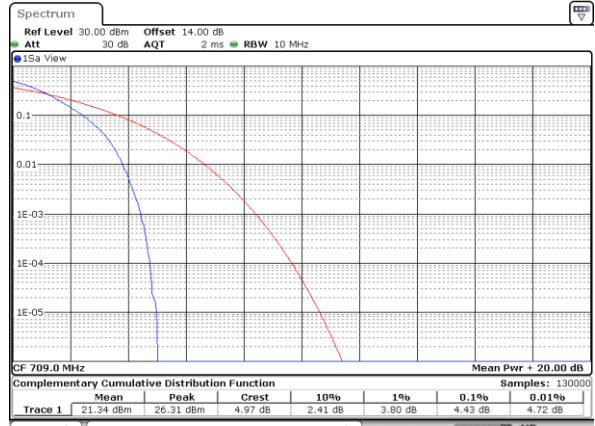
LTE Band 17 / 10MHz / QPSK

Lowest Channel / 1RB



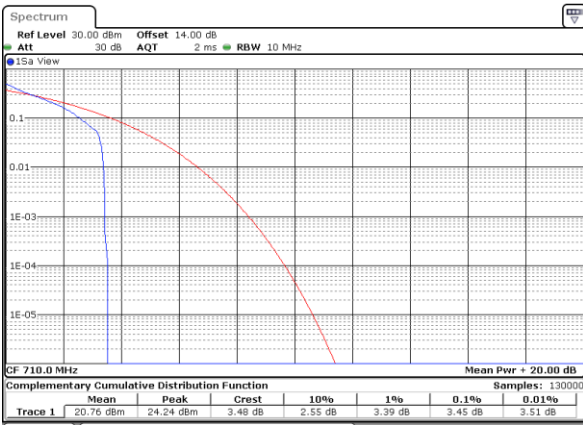
Date: 17\_AUG.2020 14:36:05

Lowest Channel / Full RB



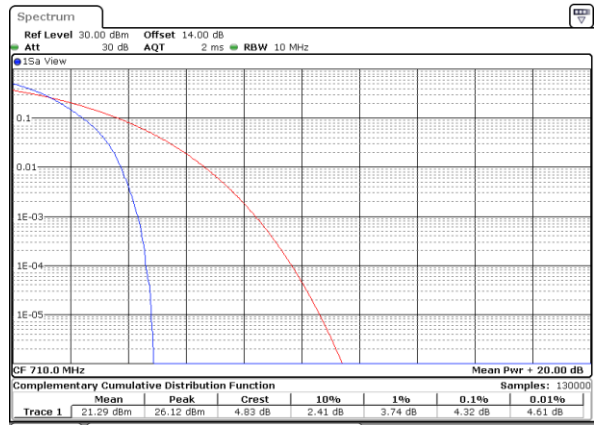
Date: 17\_AUG.2020 14:36:18

Middle Channel / 1RB



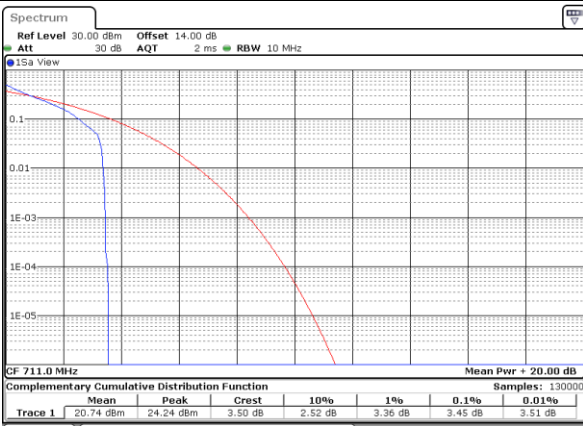
Date: 17\_AUG.2020 14:36:31

Middle Channel / Full RB



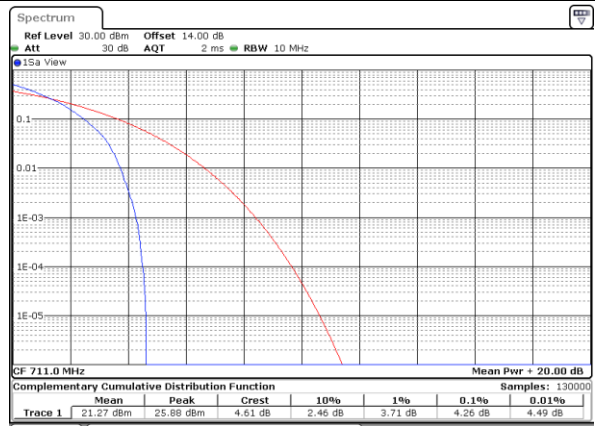
Date: 17\_AUG.2020 14:36:45

Highest Channel / 1RB



Date: 17\_AUG.2020 14:37:16

Highest Channel / Full RB



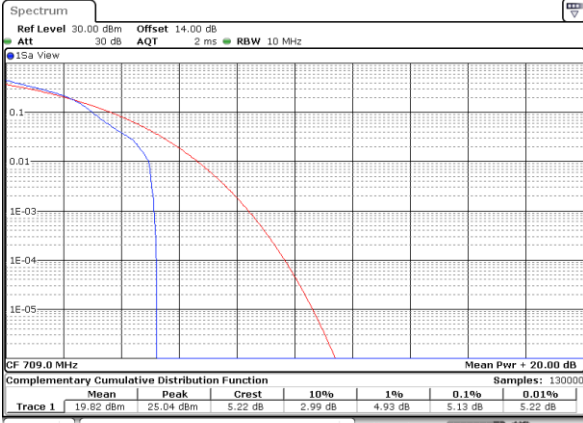
Date: 17\_AUG.2020 14:37:31





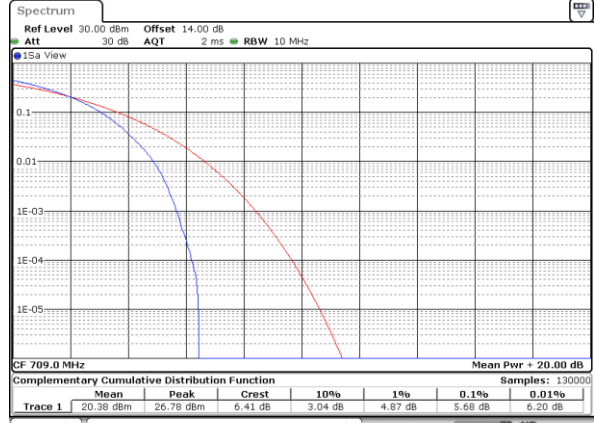
LTE Band 17 / 10MHz / 16QAM

Lowest Channel / 1RB



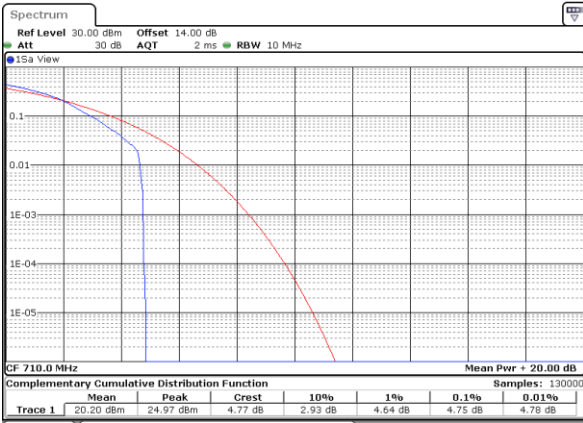
Date: 17\_AUG.2020 14:34:49

Lowest Channel / Full RB



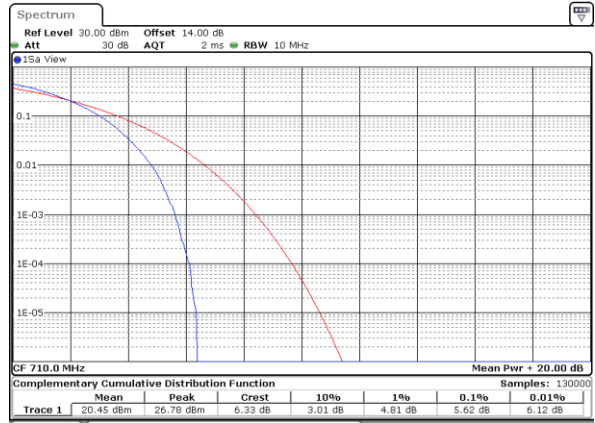
Date: 17\_AUG.2020 14:35:03

Middle Channel / 1RB



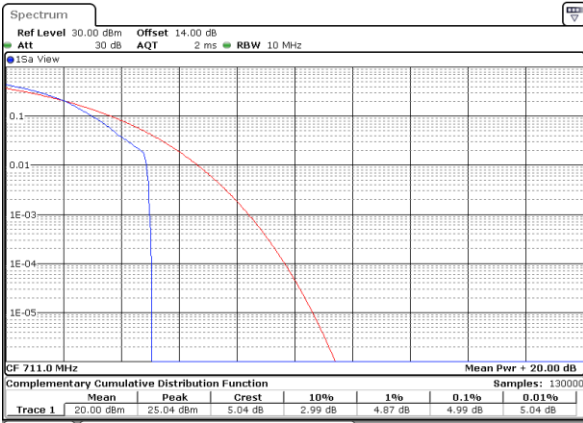
Date: 17\_AUG.2020 14:35:14

Middle Channel / Full RB



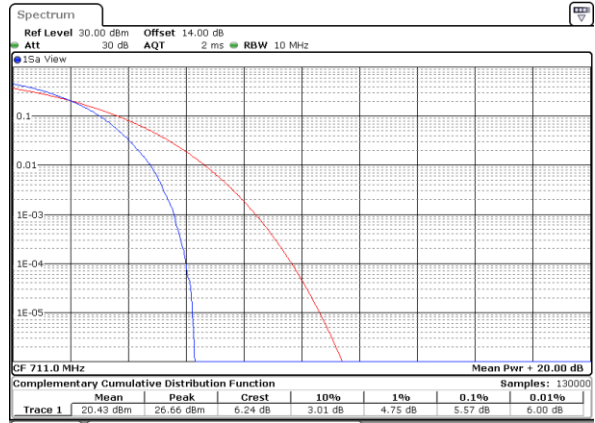
Date: 17\_AUG.2020 14:35:26

Highest Channel / 1RB



Date: 17\_AUG.2020 14:35:41

Highest Channel / Full RB

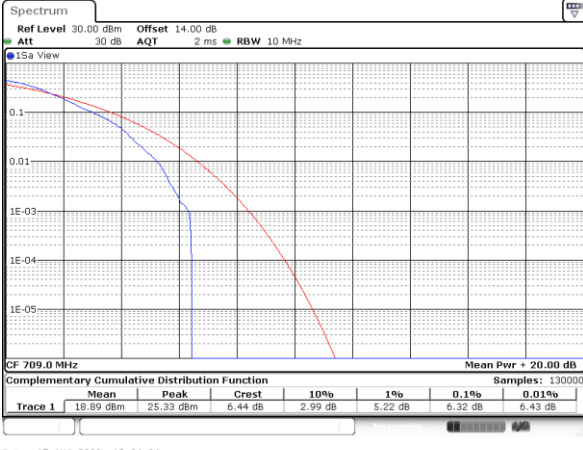


Date: 17\_AUG.2020 14:35:53



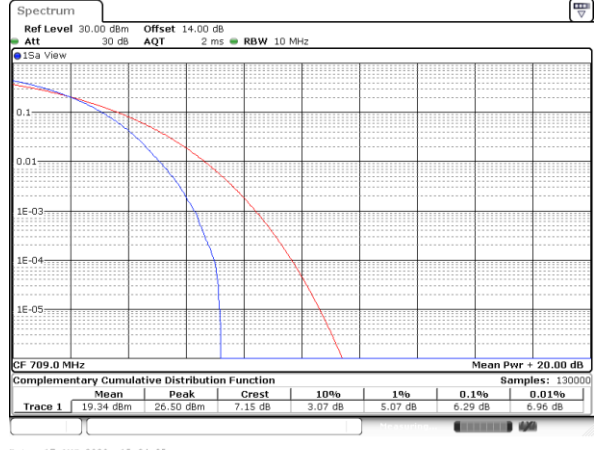
LTE Band 17 / 10MHz / 64QAM

Lowest Channel / 1RB



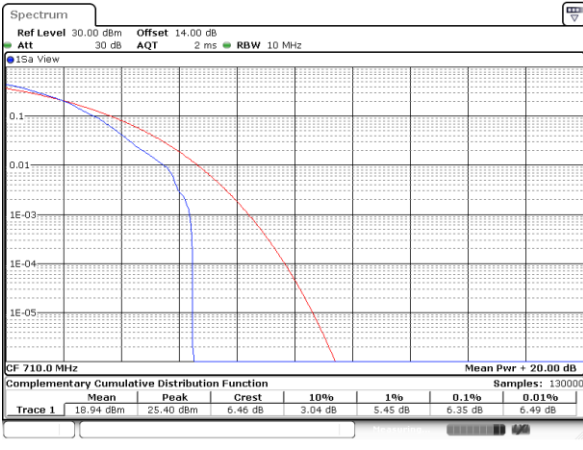
Date: 17\_AUG.2020 15:24:24

Lowest Channel / Full RB



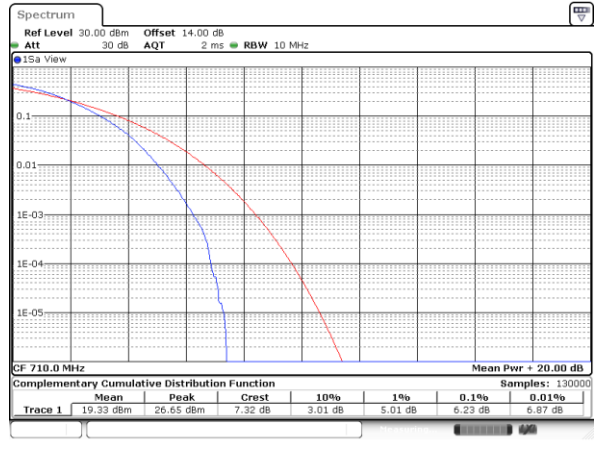
Date: 17\_AUG.2020 15:24:35

Middle Channel / 1RB



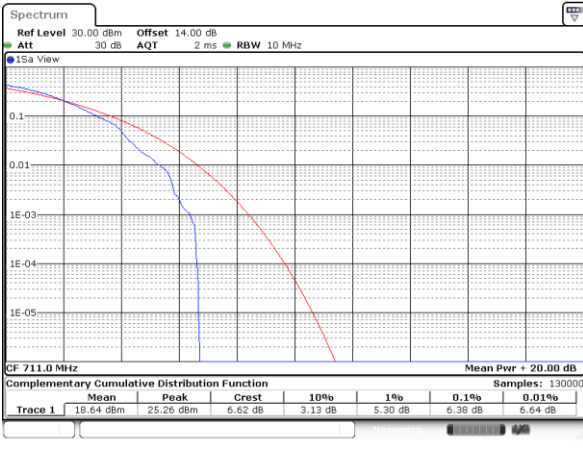
Date: 17\_AUG.2020 15:24:47

Middle Channel / Full RB



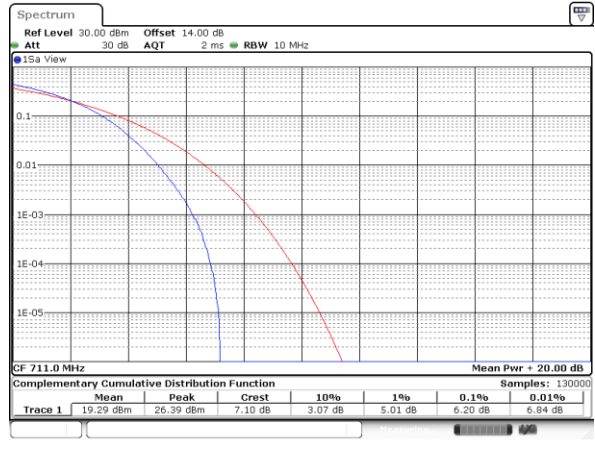
Date: 17\_AUG.2020 15:25:00

Highest Channel / 1RB



Date: 17\_AUG.2020 15:25:13

Highest Channel / Full RB



Date: 17\_AUG.2020 15:25:25