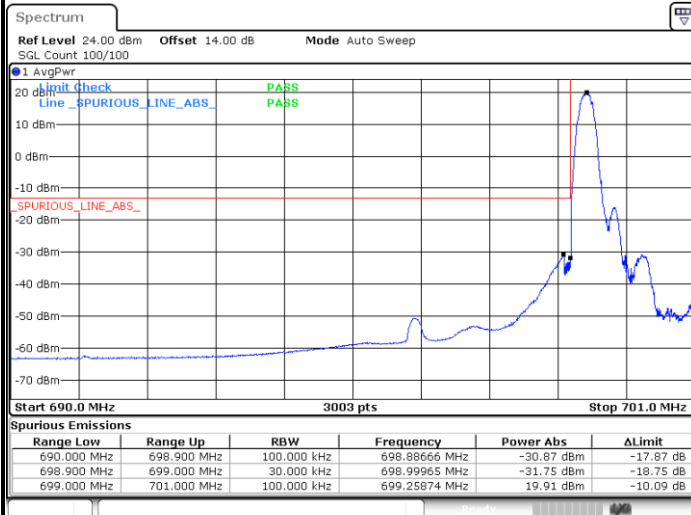


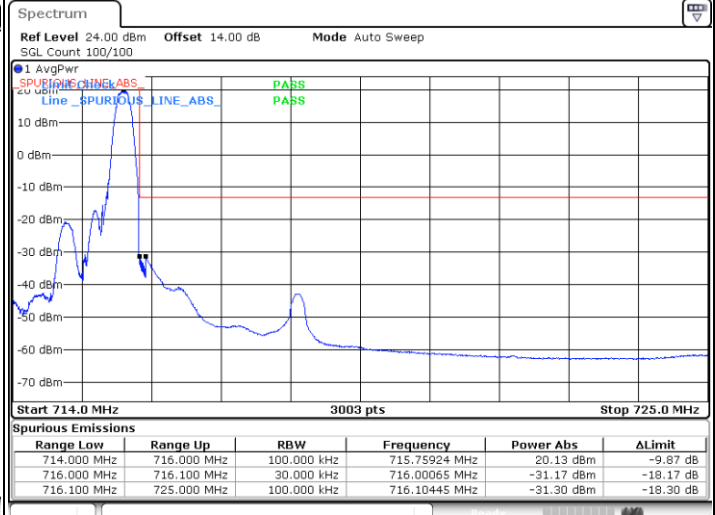


LTE Band 12 / 1.4MHz / 16QAM

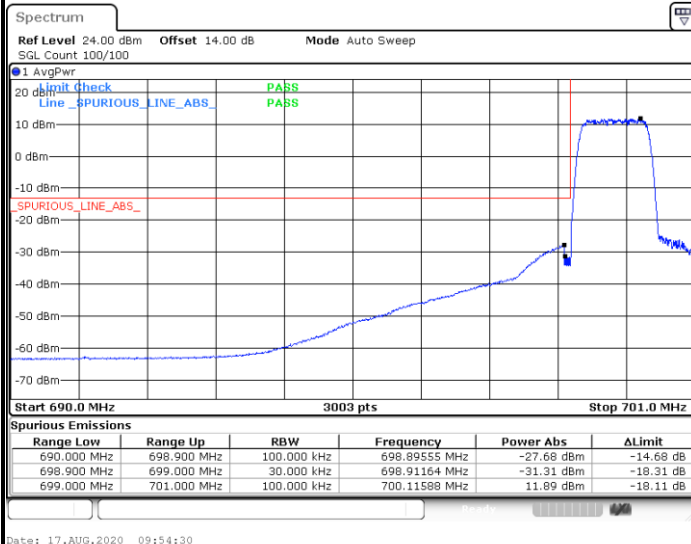
Lowest Band Edge / 1 RB



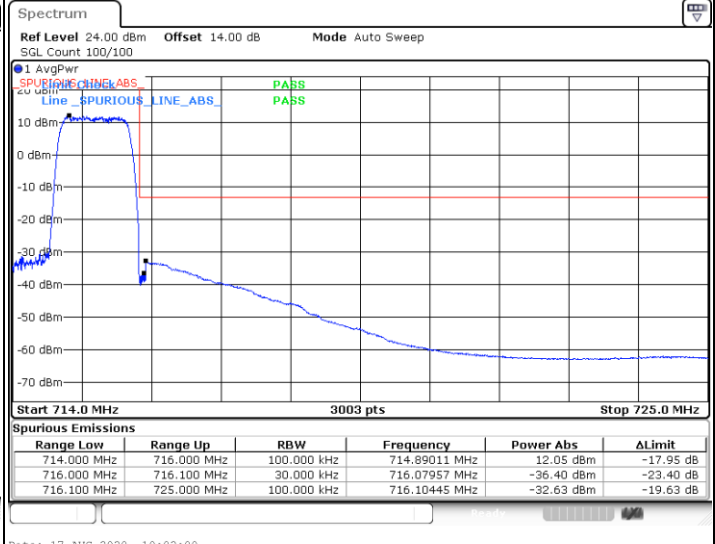
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



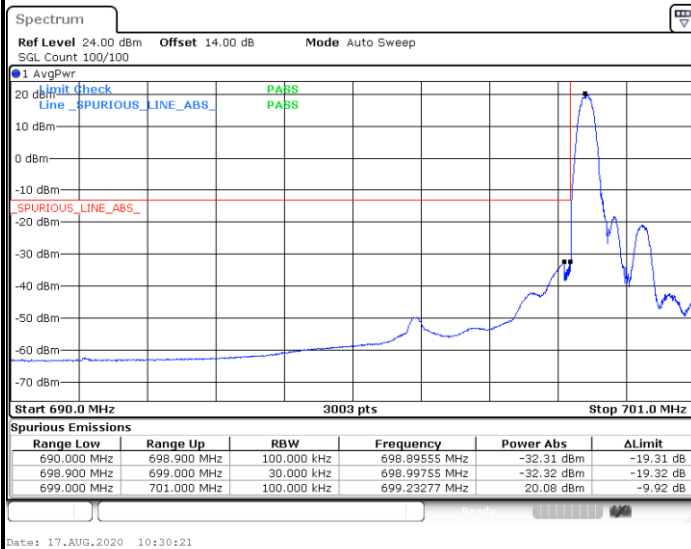
Highest Band Edge / Full RB



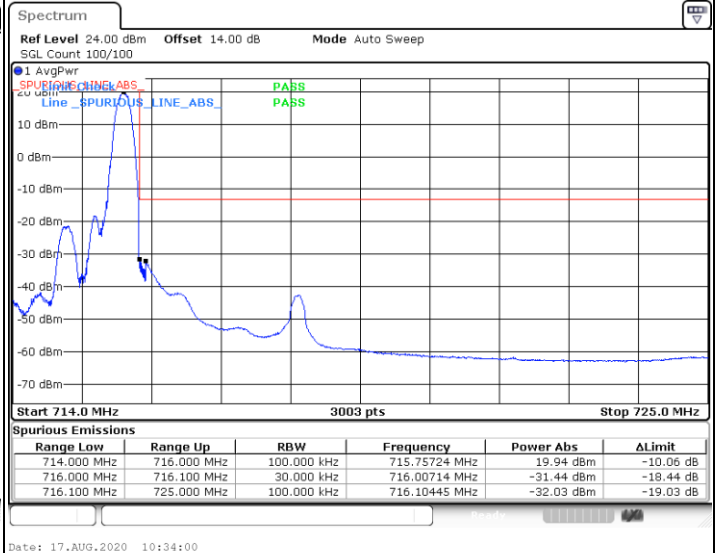


LTE Band 12 / 1.4MHz / 64QAM

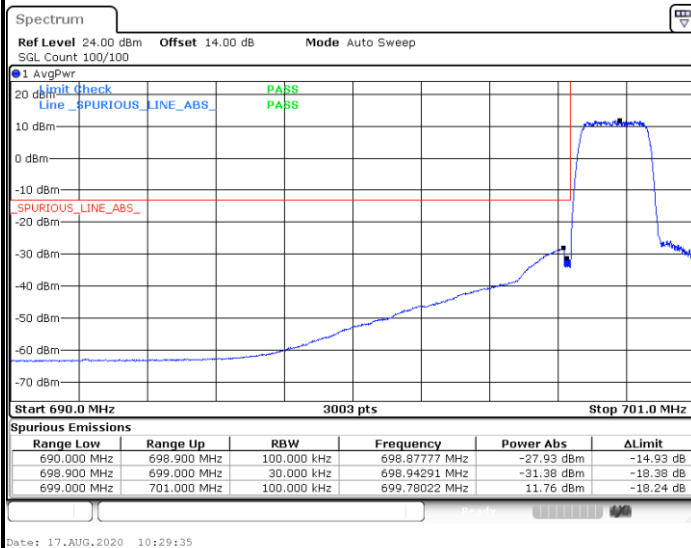
Lowest Band Edge / 1 RB



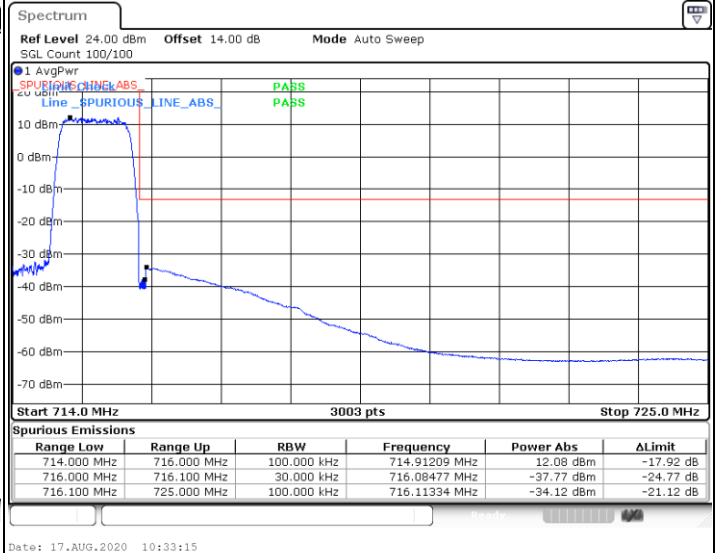
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



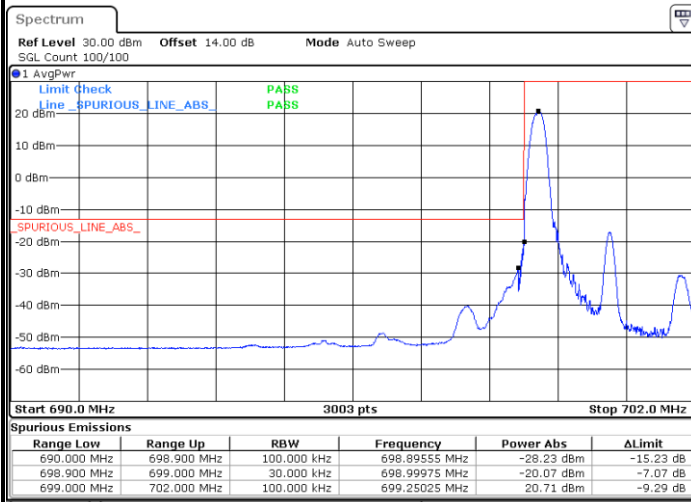
Highest Band Edge / Full RB



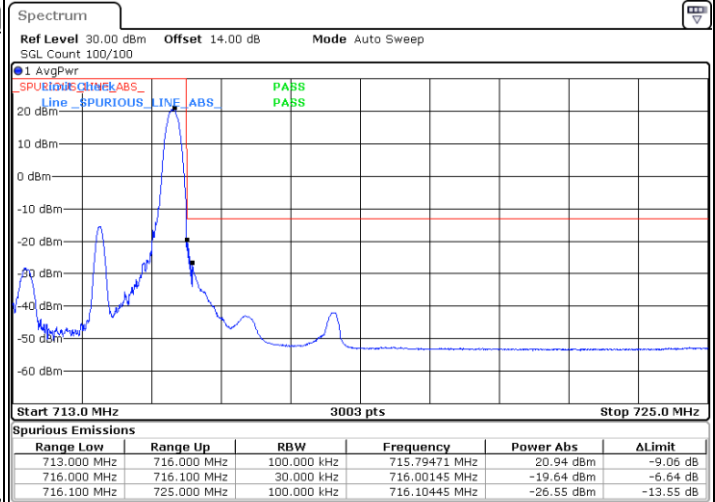


LTE Band 12 / 3MHz / QPSK

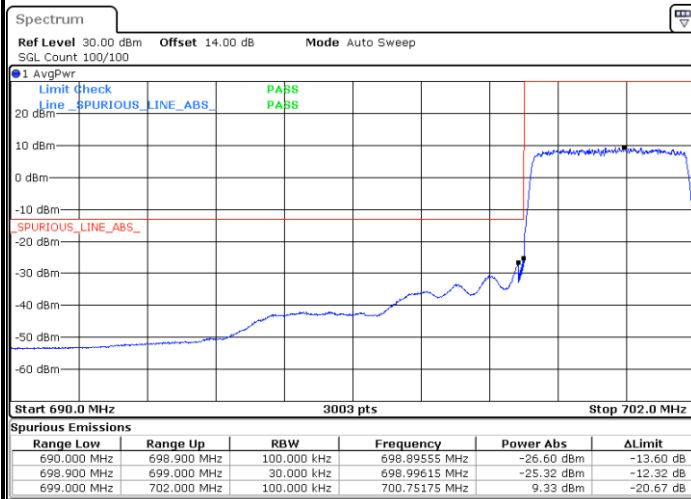
Lowest Band Edge / 1RB



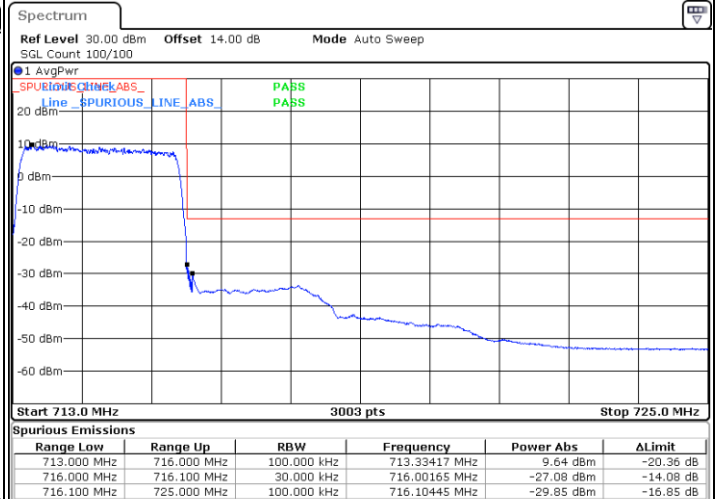
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



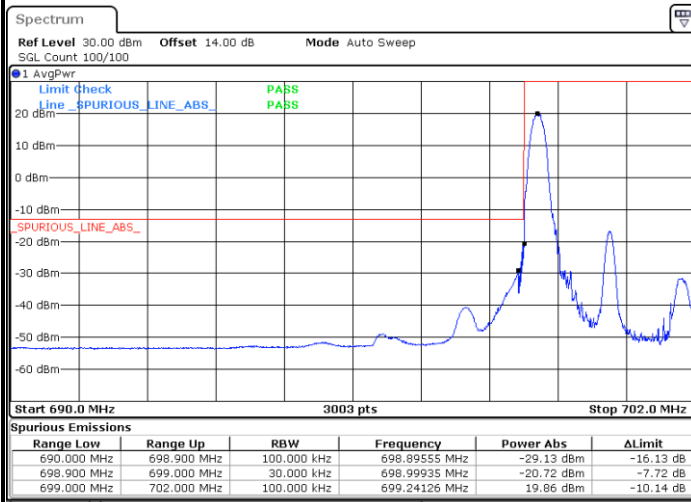
Highest Band Edge / Full RB



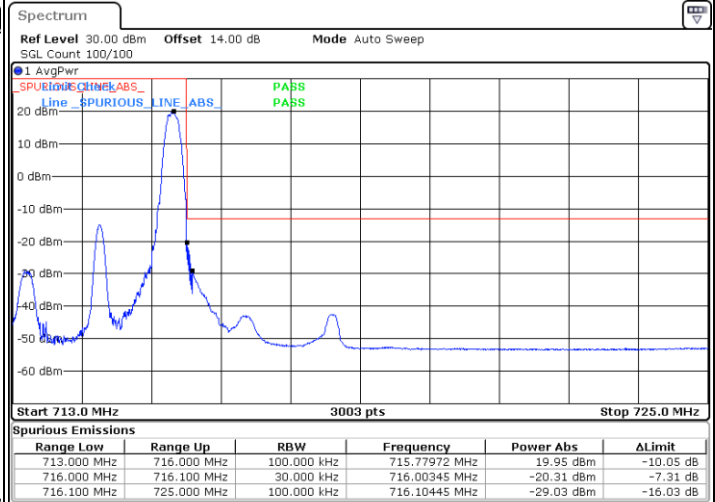


LTE Band 12 / 3MHz / 16QAM

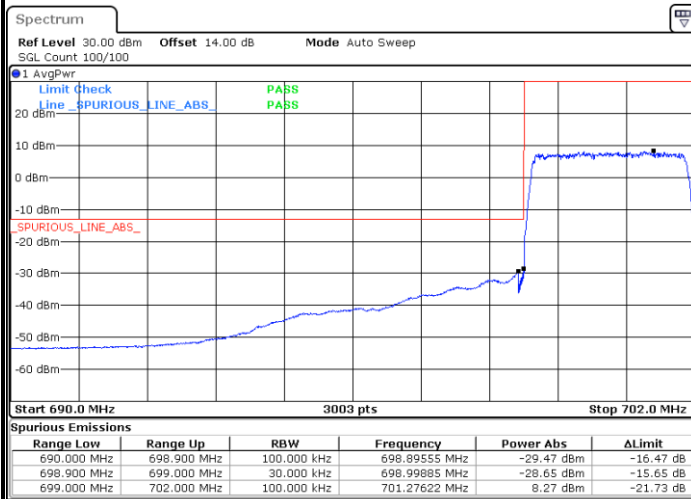
Lowest Band Edge / 1 RB



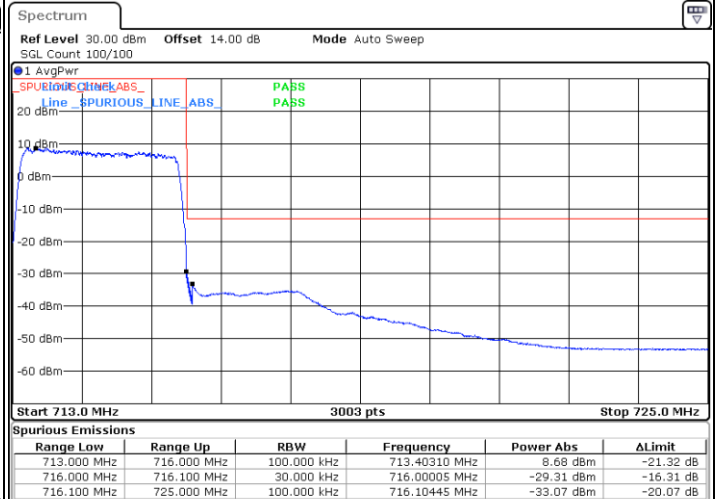
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



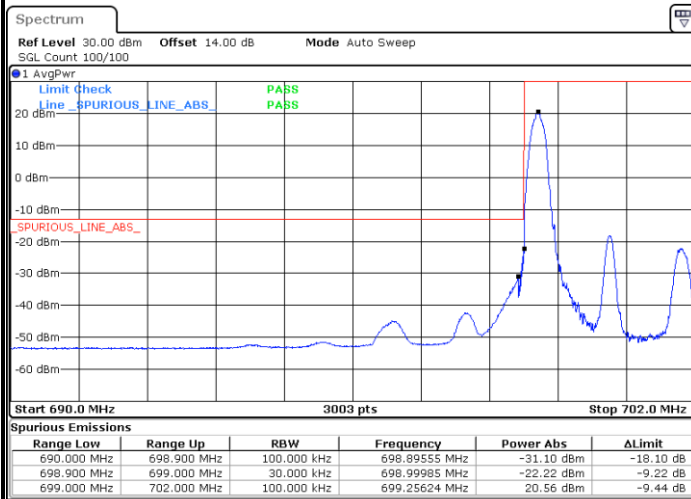
Highest Band Edge / Full RB



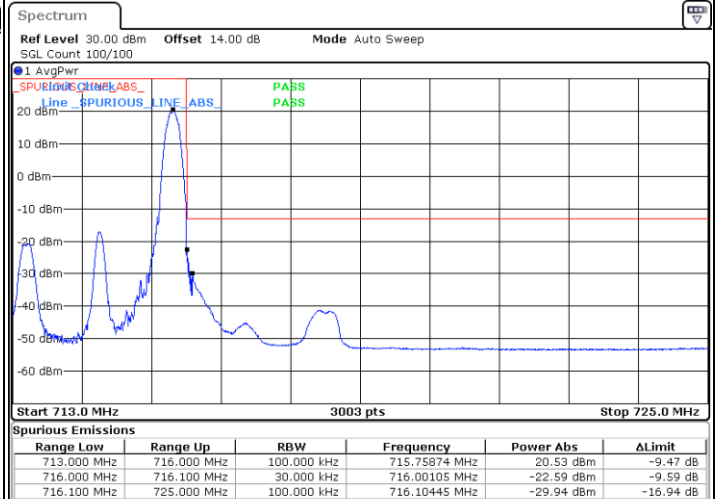


LTE Band 12 / 3MHz / 64QAM

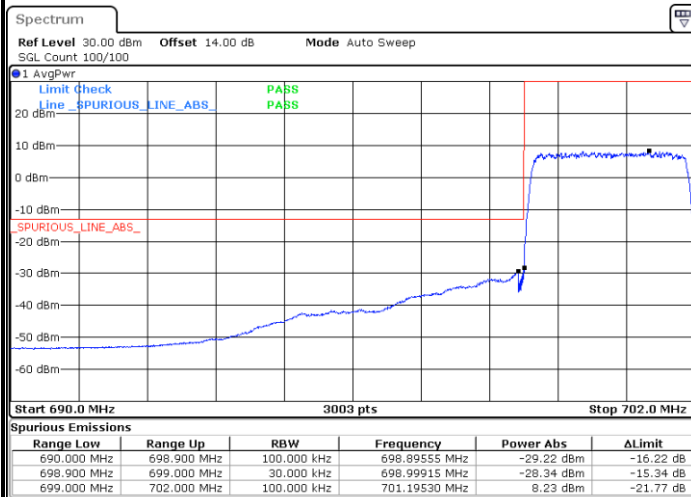
Lowest Band Edge / 1 RB



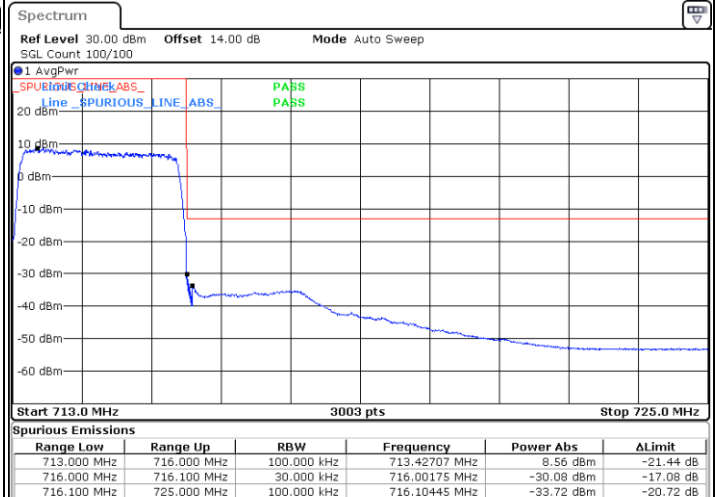
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



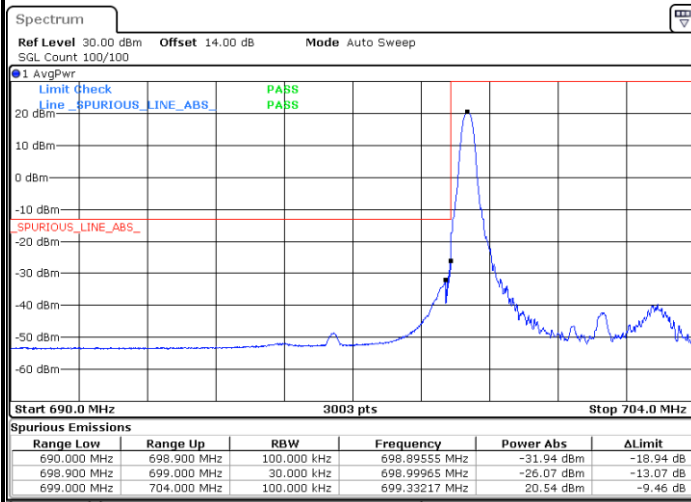
Highest Band Edge / Full RB



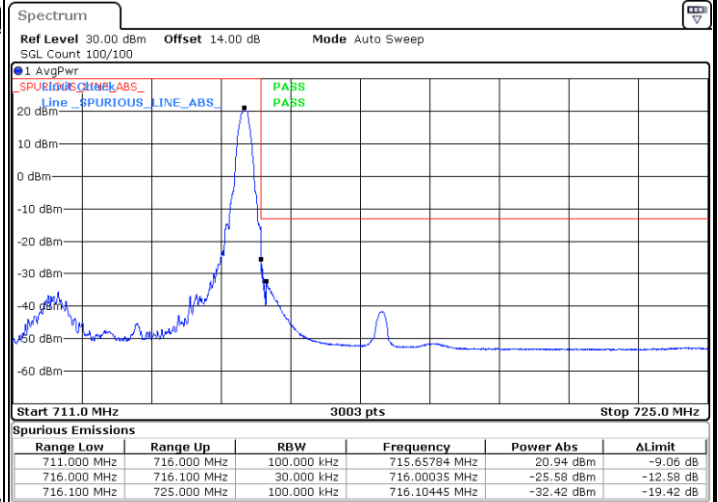


LTE Band 12 / 5MHz / QPSK

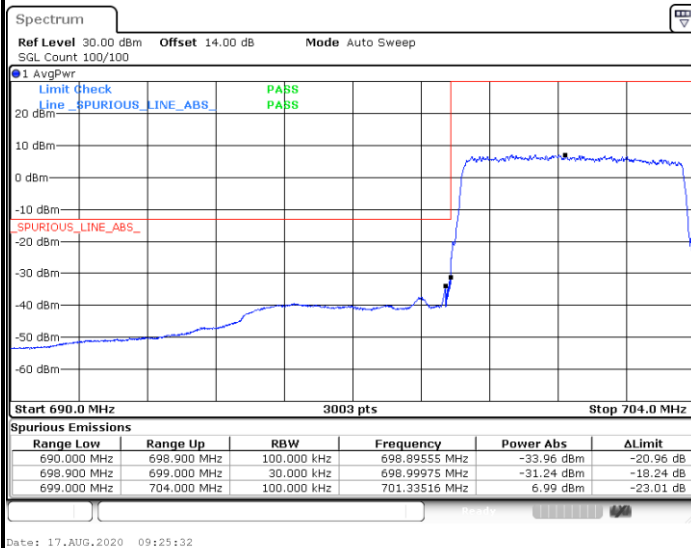
Lowest Band Edge / 1 RB



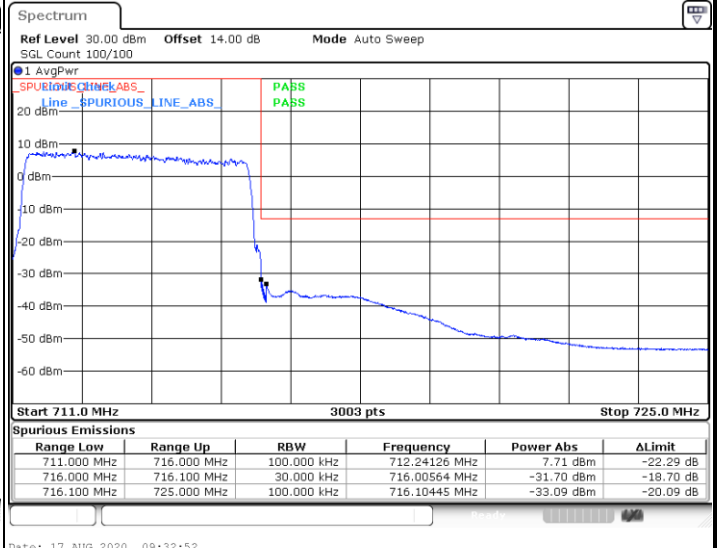
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



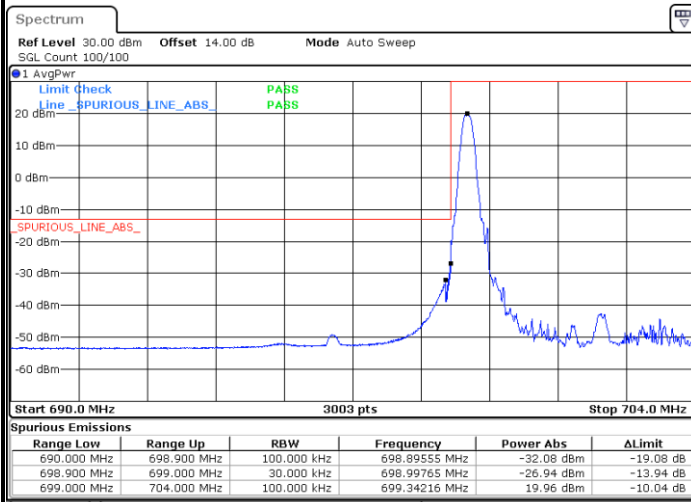
Highest Band Edge / Full RB



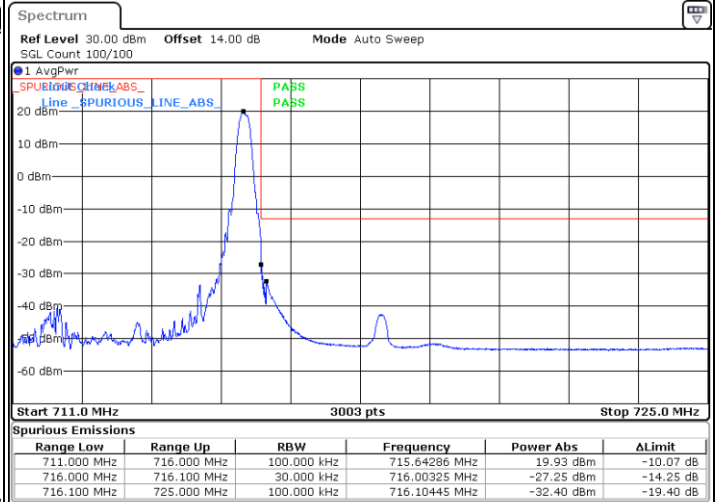


LTE Band 12 / 5MHz / 16QAM

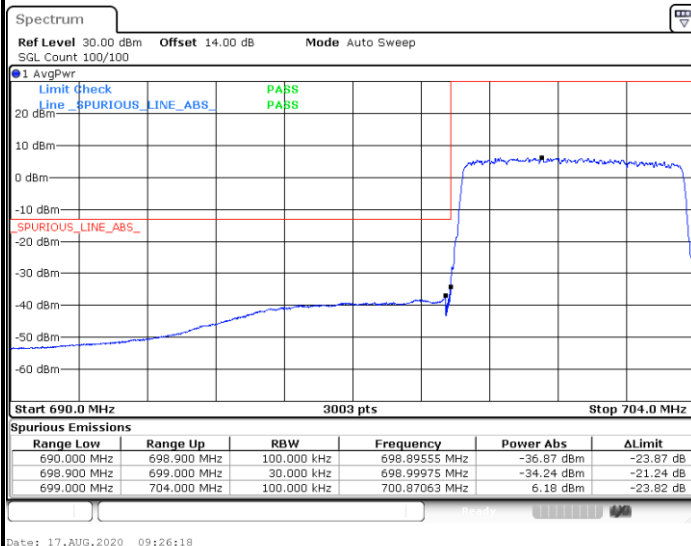
Lowest Band Edge / 1RB



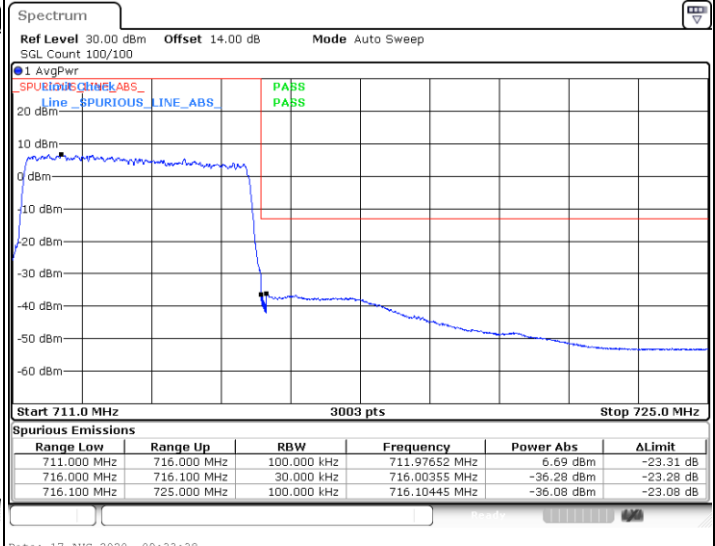
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



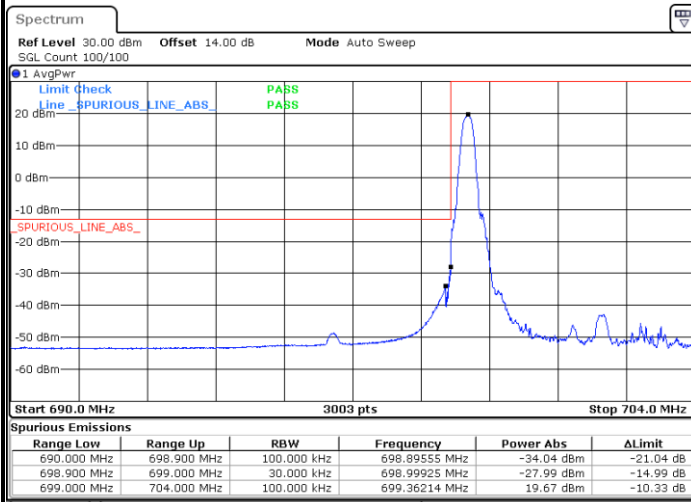
Highest Band Edge / Full RB



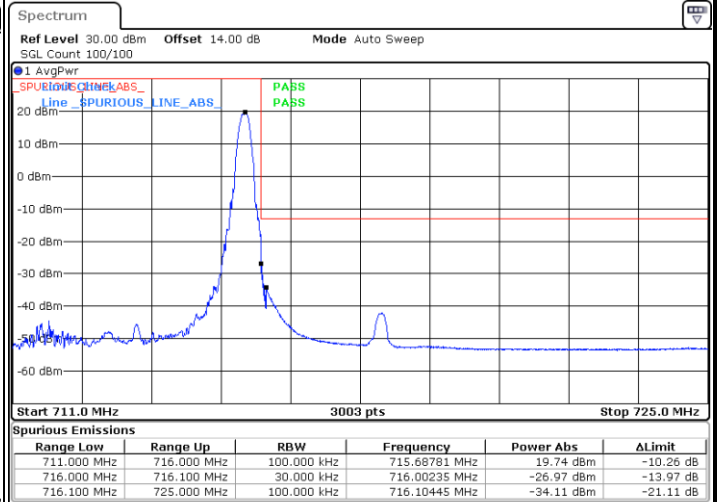


LTE Band 12 / 5MHz / 64QAM

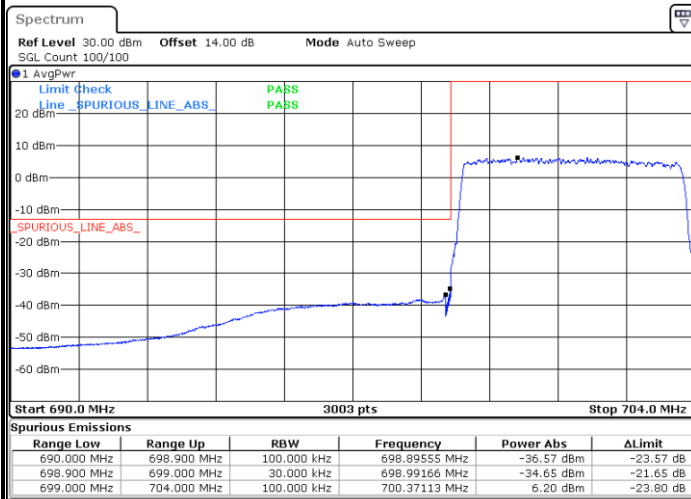
Lowest Band Edge / 1RB



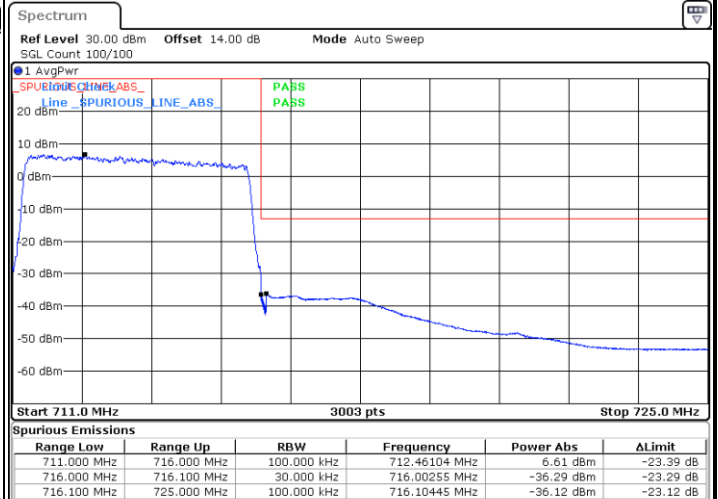
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



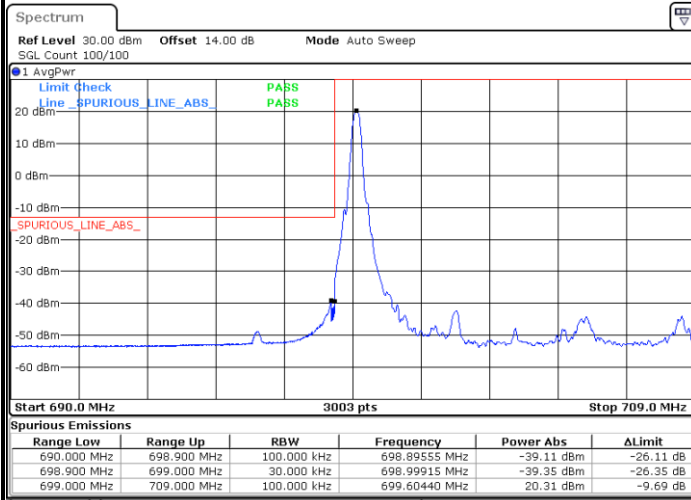
Highest Band Edge / Full RB



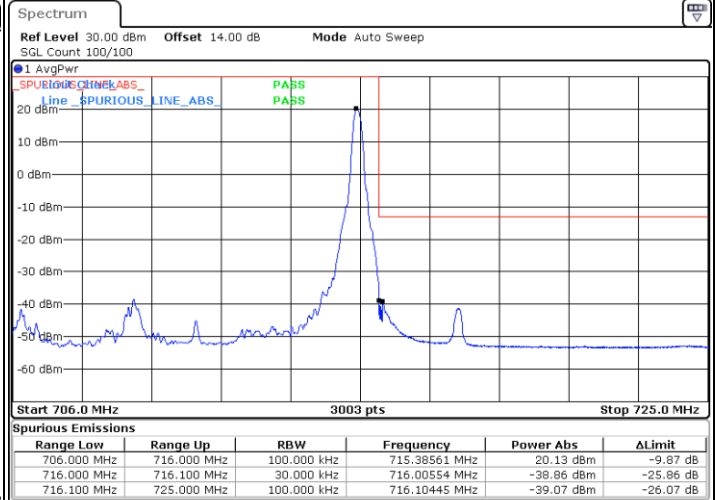


LTE Band 12 / 10MHz / QPSK

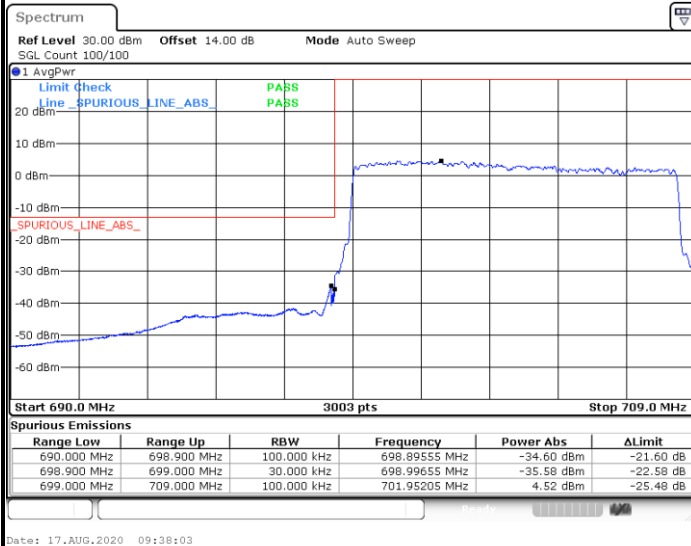
Lowest Band Edge / 1 RB



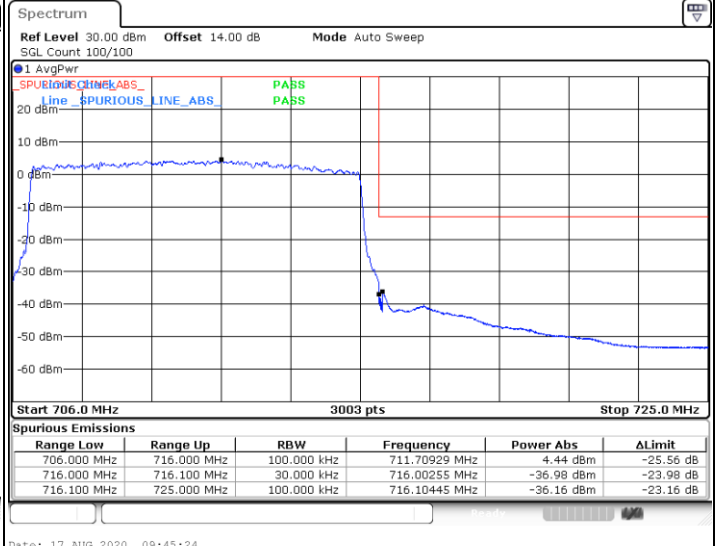
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



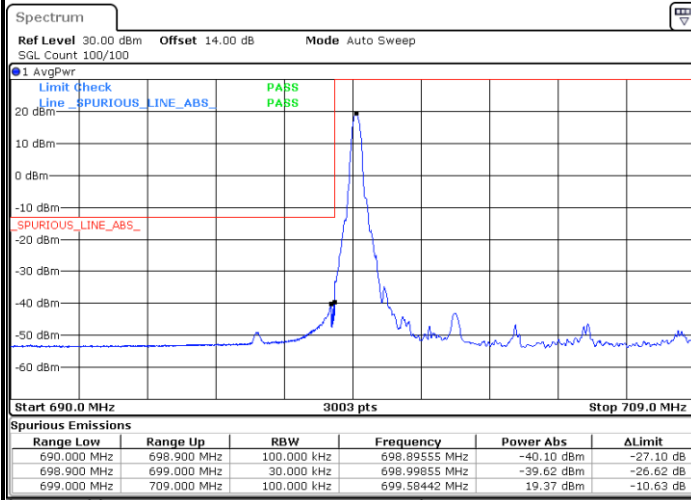
Highest Band Edge / Full RB



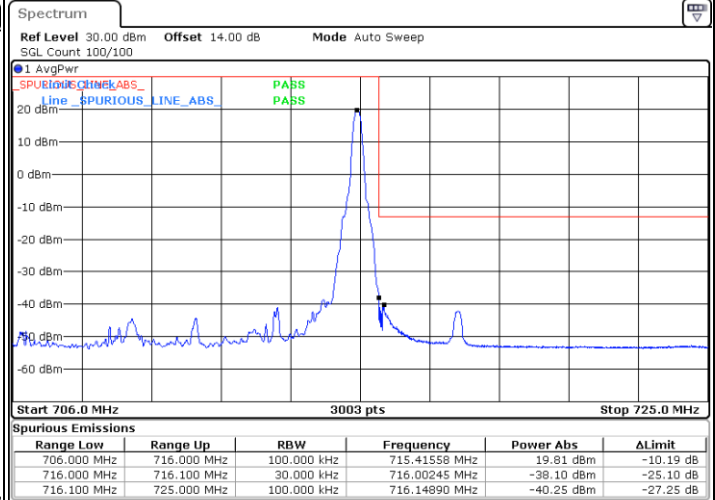


LTE Band 12 / 10MHz / 16QAM

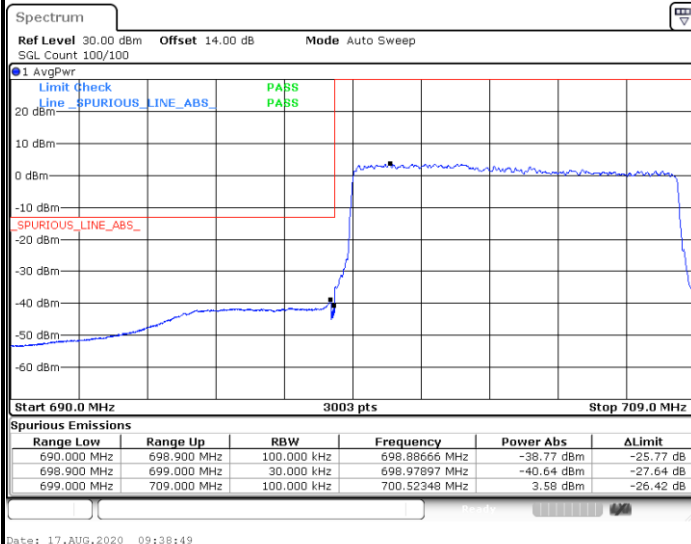
Lowest Band Edge / 1 RB



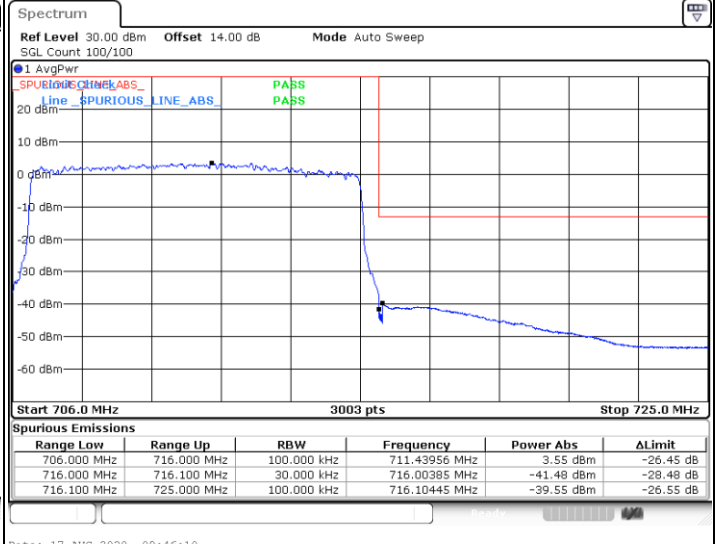
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



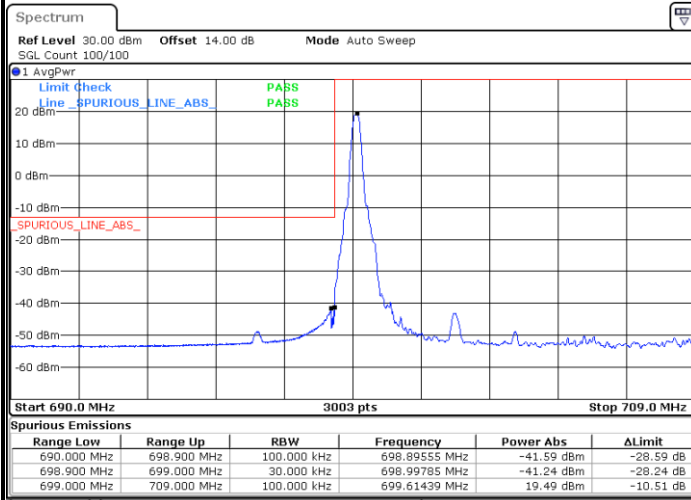
Highest Band Edge / Full RB



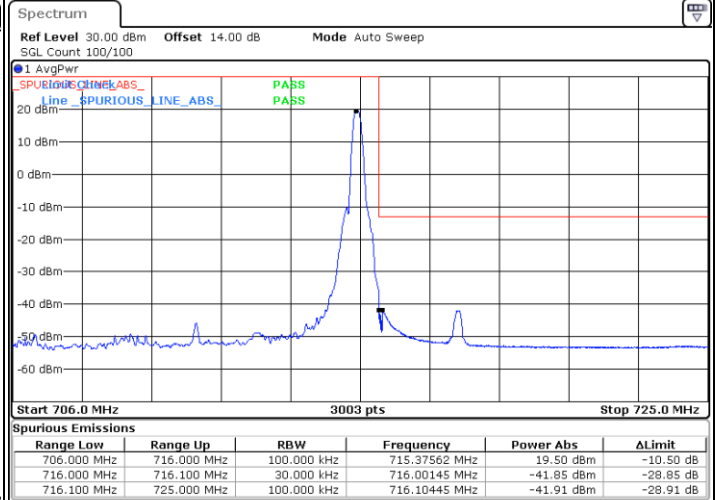


LTE Band 12 / 10MHz / 64QAM

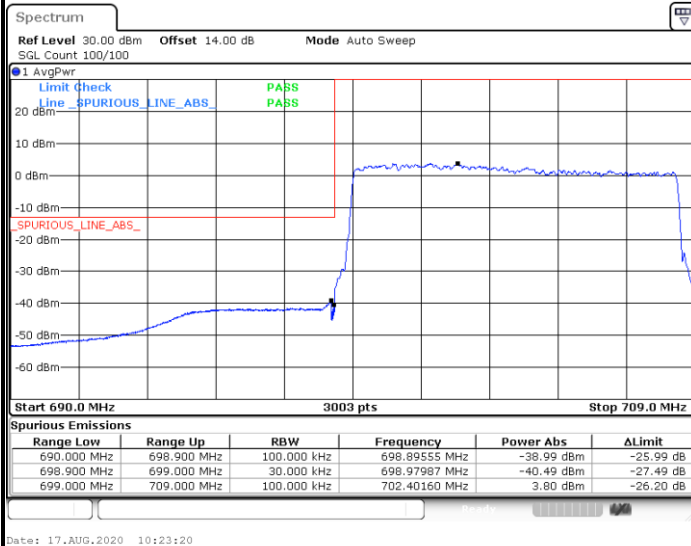
Lowest Band Edge / 1 RB



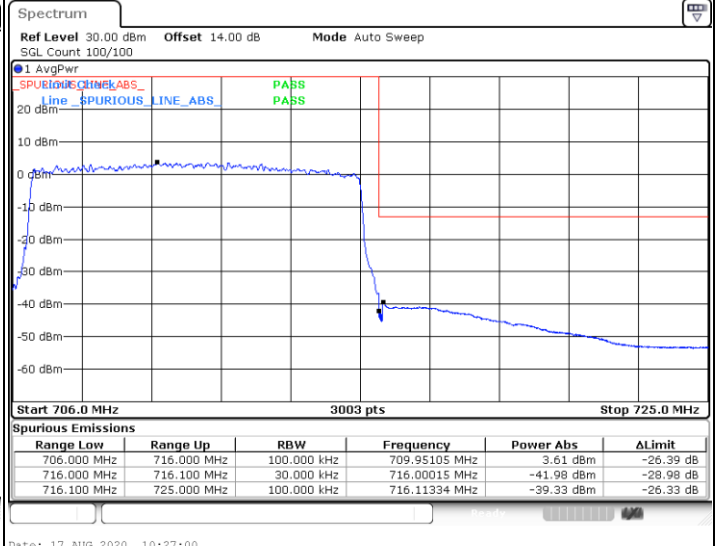
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

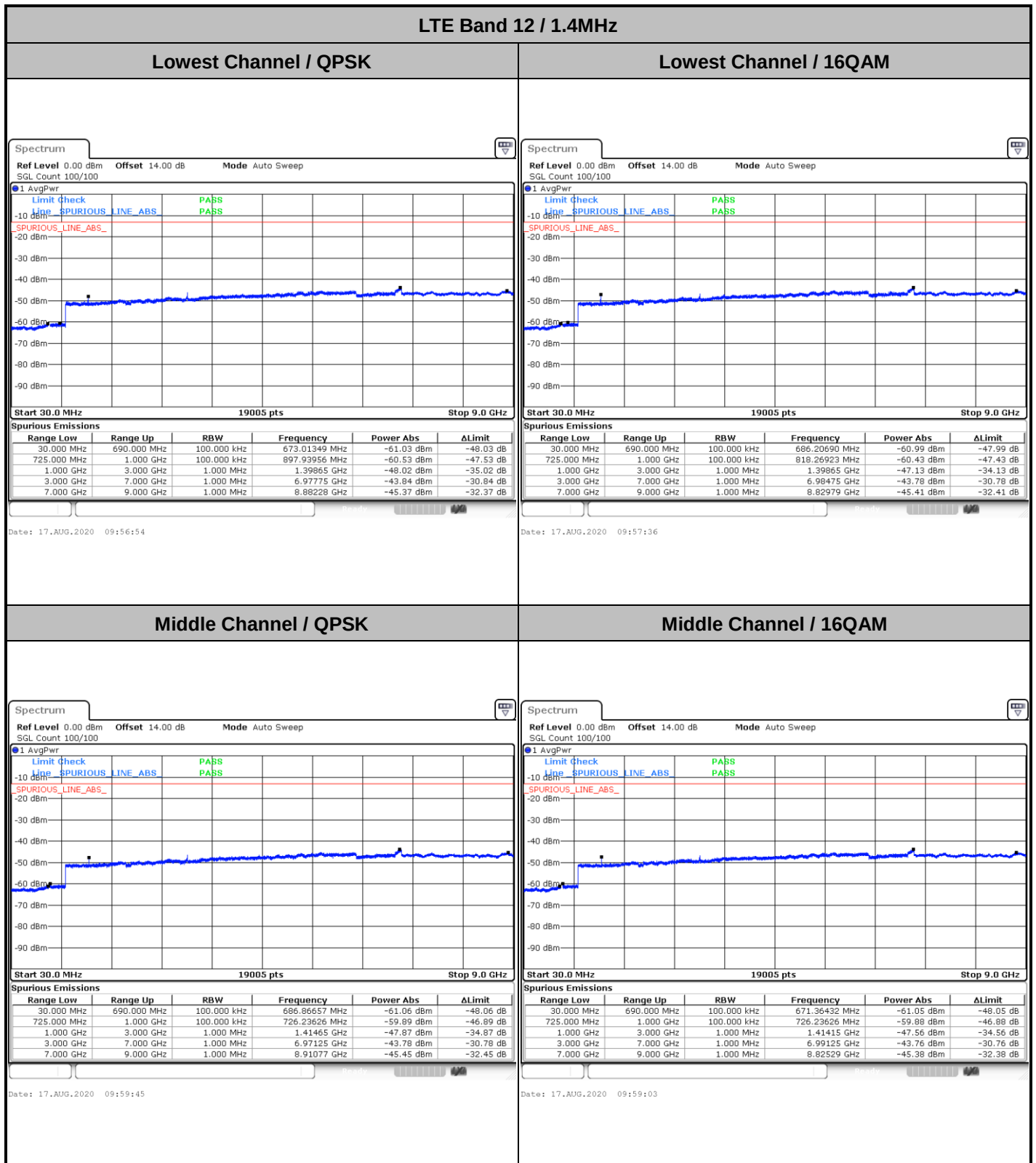


Highest Band Edge / Full RB





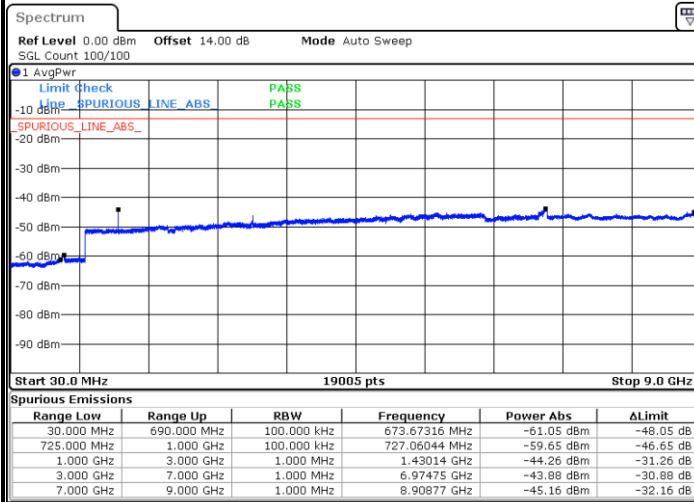
Conducted Spurious Emission





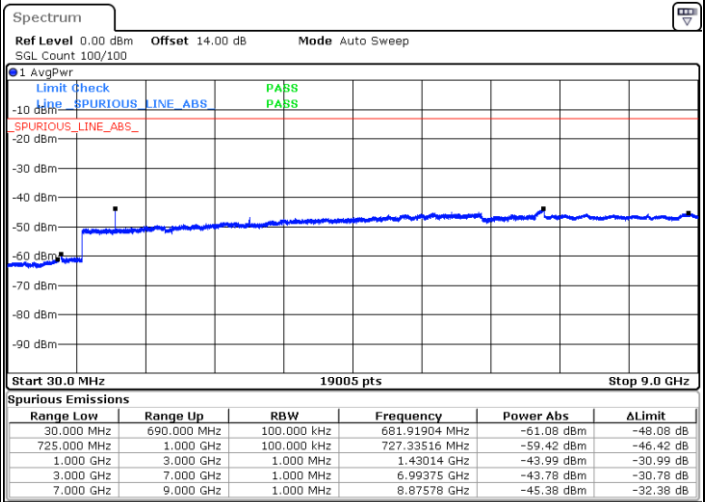
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



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

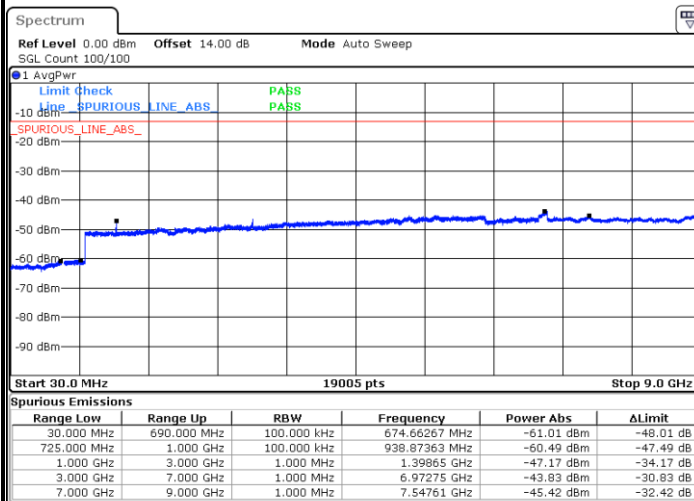
Highest Channel / 16QAM



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

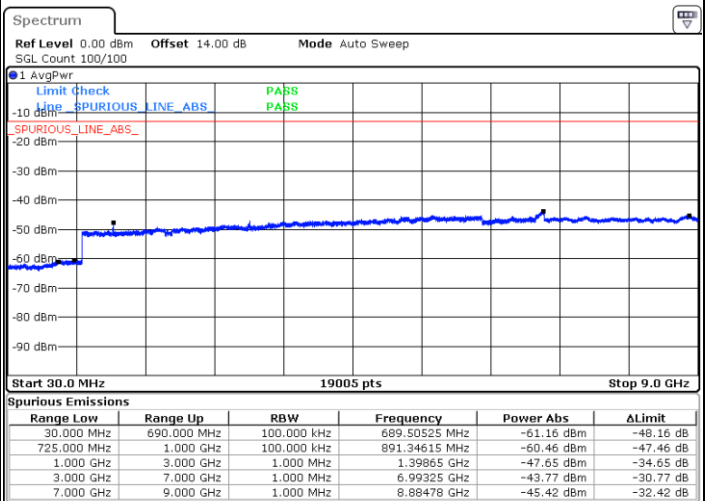
LTE Band 12 / 3MHz

Lowest Channel / QPSK



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

Lowest Channel / 16QAM

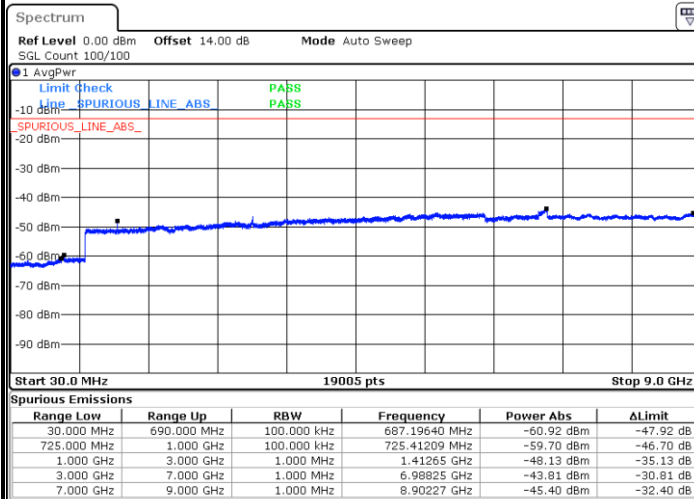


Date: 17.AUG.2020 09:14:01



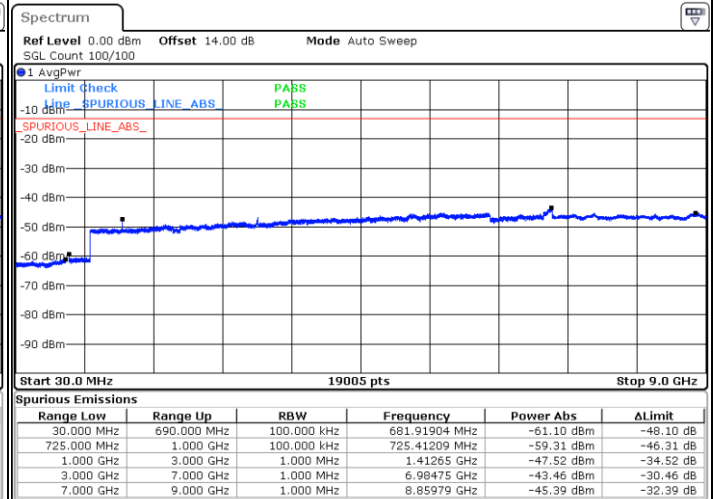
LTE Band 12 / 3MHz

Middle Channel / QPSK



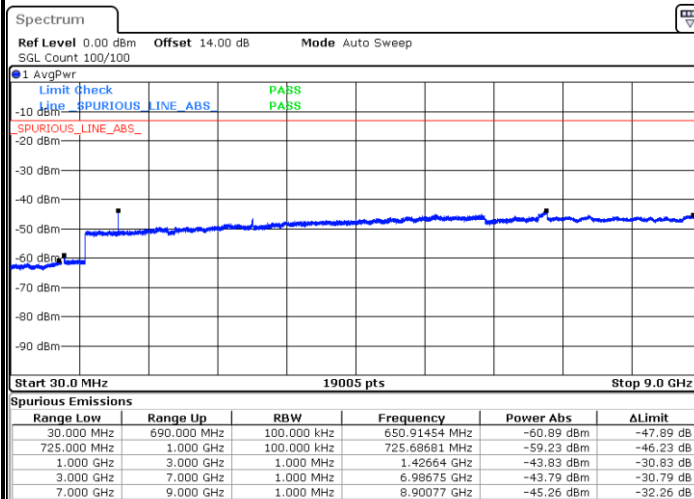
Date: 17.AUG.2020 09:16:09

Middle Channel / 16QAM



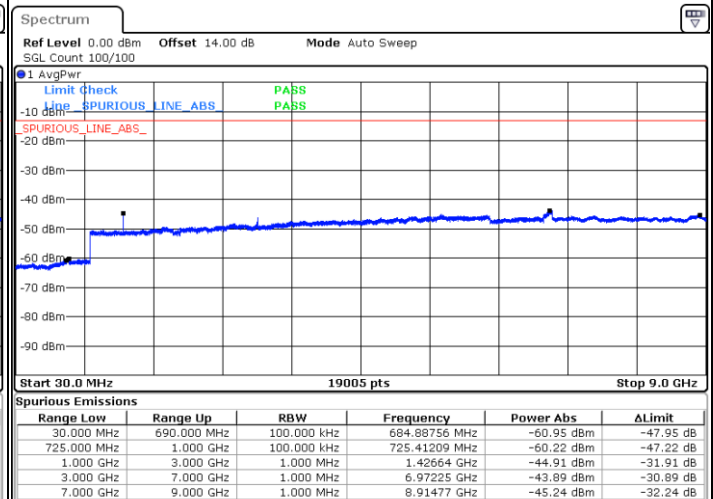
Date: 17.AUG.2020 09:15:27

Highest Channel / QPSK



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

Highest Channel / 16QAM

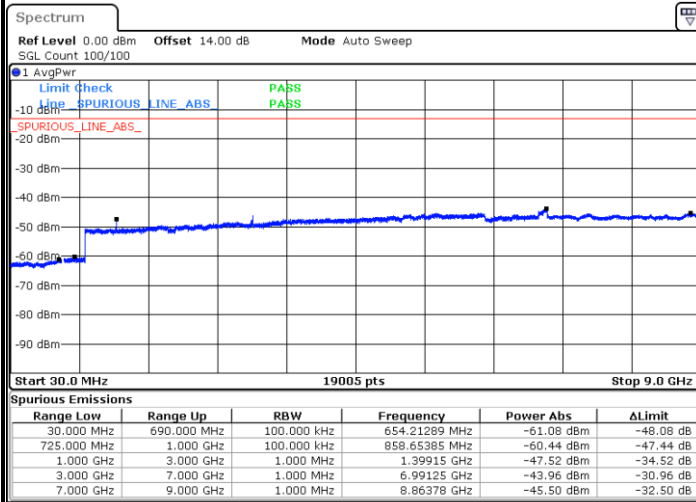


Date: 17.AUG.2020 09:24:03



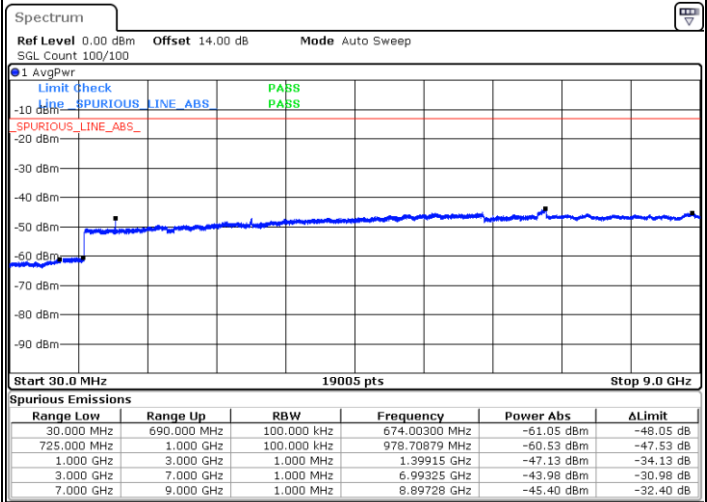
LTE Band 12 / 5MHz

Lowest Channel / QPSK



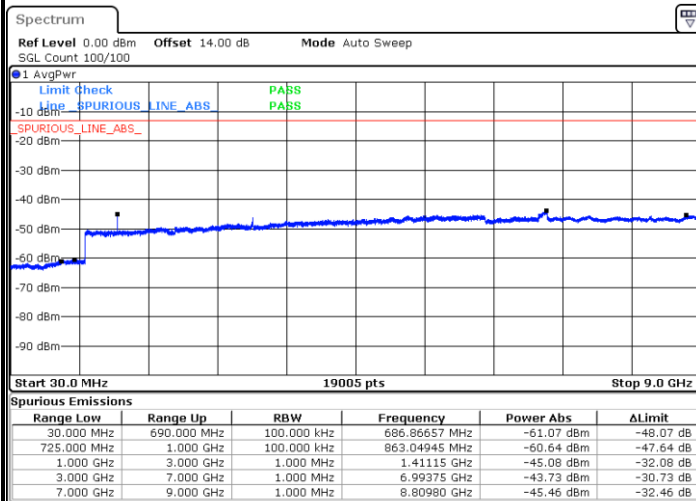
Date: 17.AUG.2020 09:28:31

Lowest Channel / 16QAM



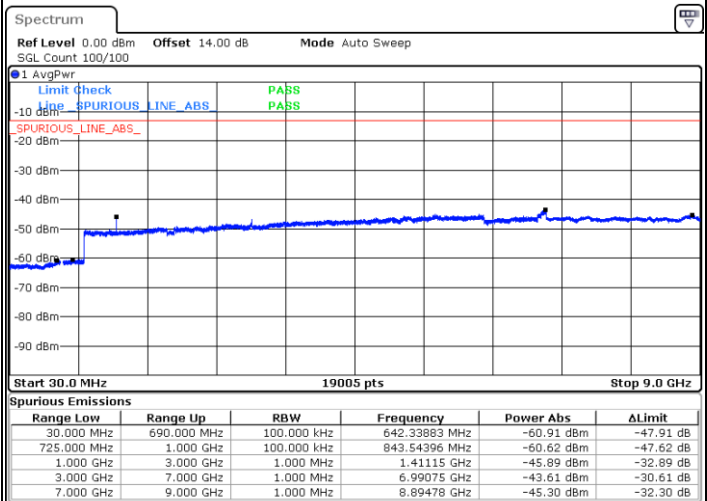
Date: 17.AUG.2020 09:29:13

Middle Channel / QPSK



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

Middle Channel / 16QAM

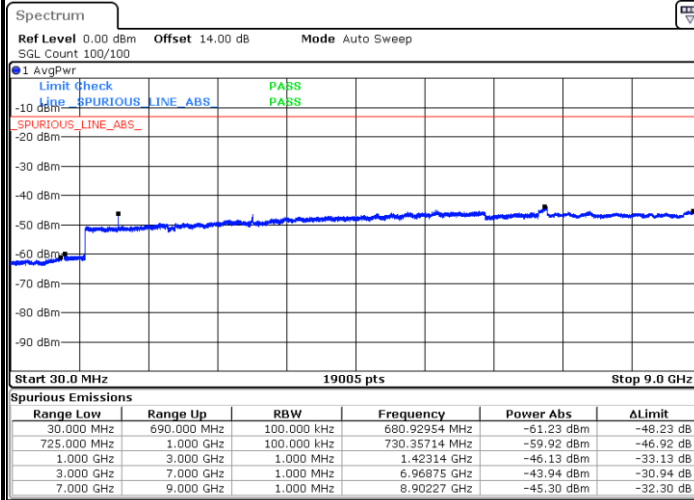


Date: 17.AUG.2020 09:30:40



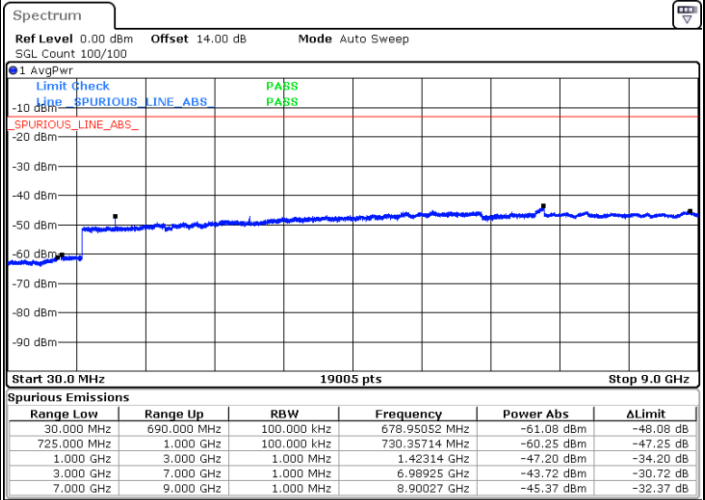
LTE Band 12 / 5MHz

Highest Channel / QPSK



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

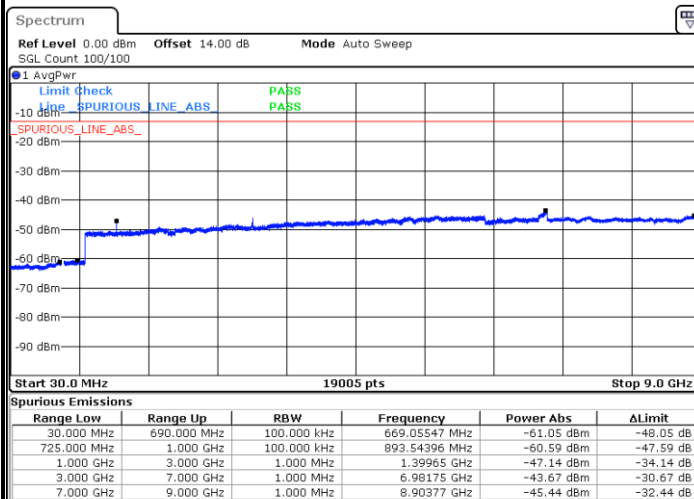
Highest Channel / 16QAM



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

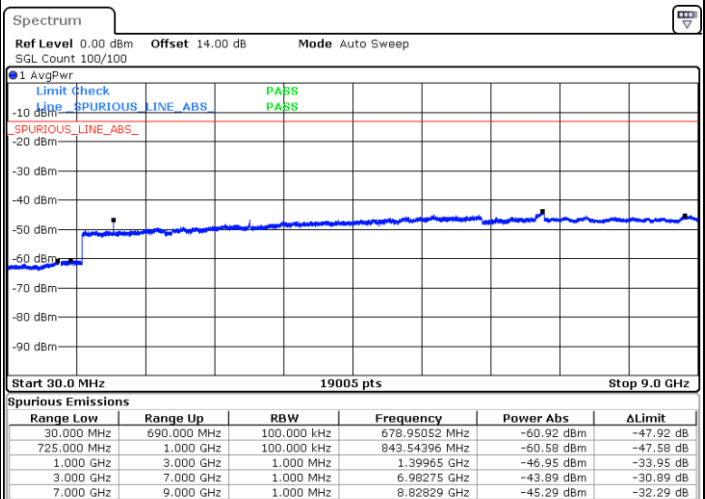
LTE Band 12 / 10MHz

Lowest Channel / QPSK



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

Lowest Channel / 16QAM

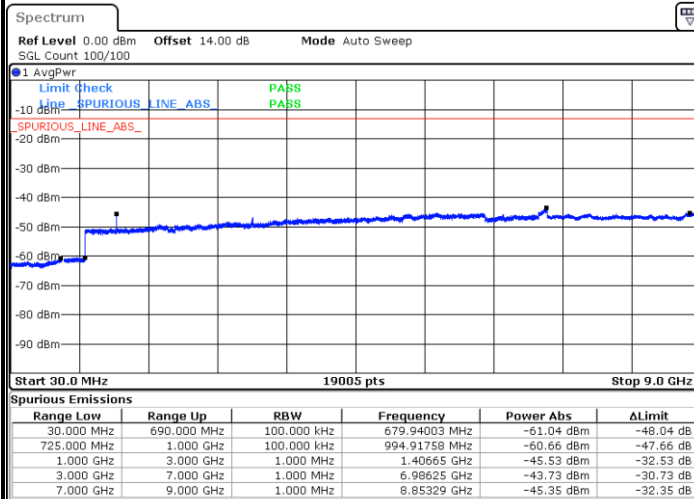


Date: 17.AUG.2020 09:41:45



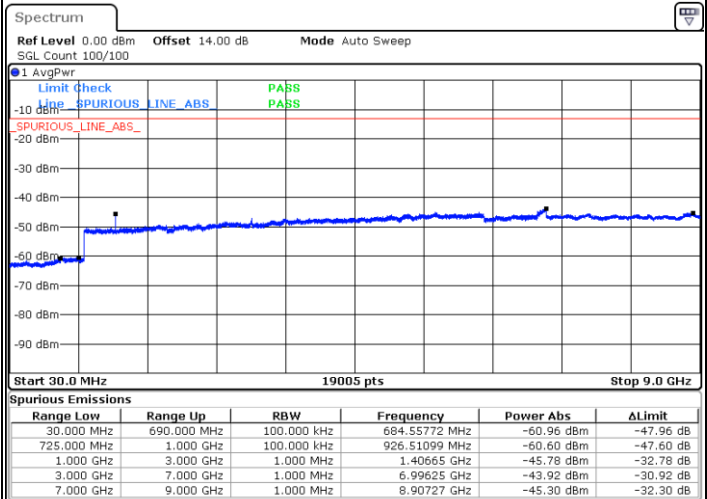
LTE Band 12 / 10MHz

Middle Channel / QPSK



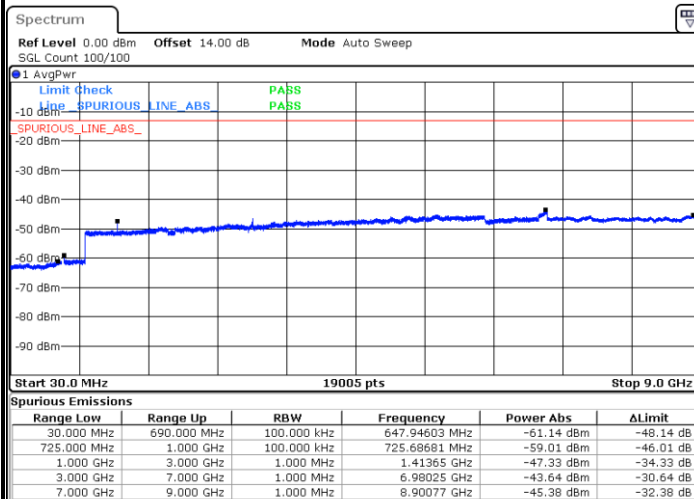
Date: 17.AUG.2020 09:43:55

Middle Channel / 16QAM



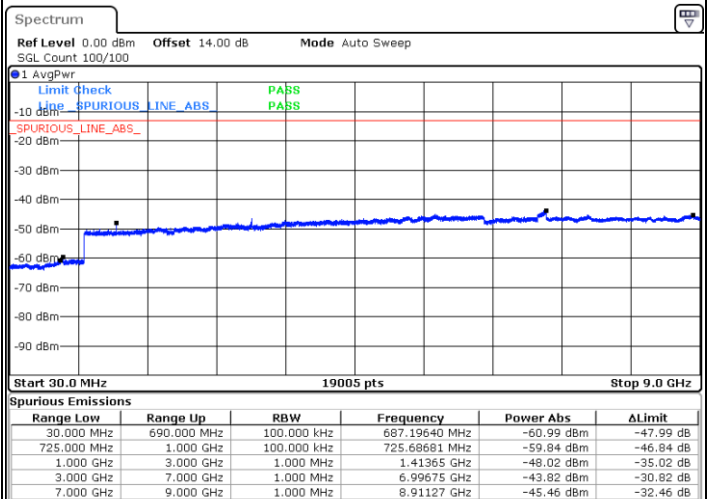
Date: 17.AUG.2020 09:43:12

Highest Channel / QPSK



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

Highest Channel / 16QAM

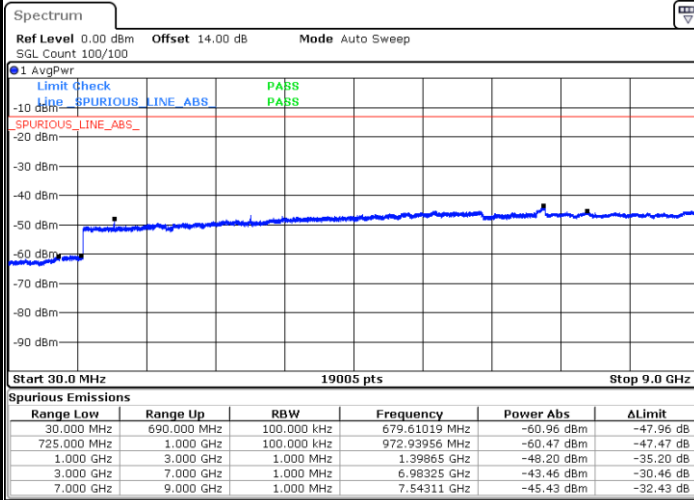


Date: 17.AUG.2020 09:49:06



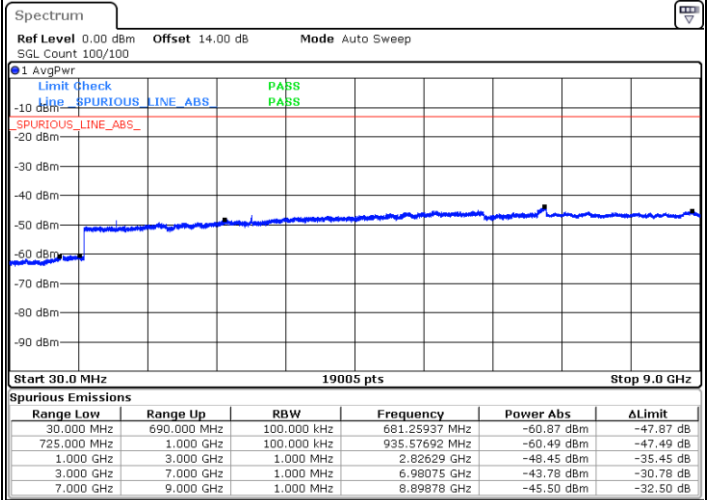
LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM



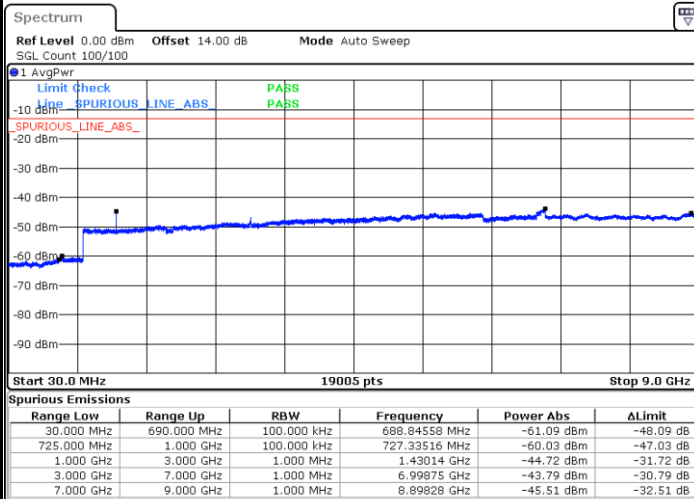
Date: 17.AUG.2020 10:31:03

Middle Channel / 64QAM



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

Highest Channel / 64QAM

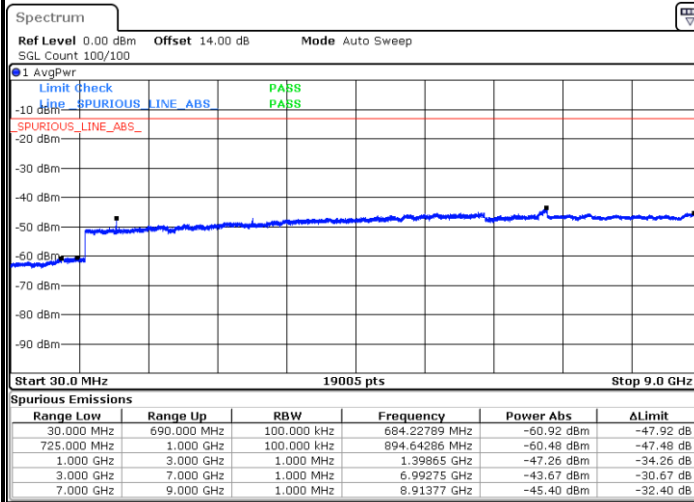


Date: 17.AUG.2020 10:34:43



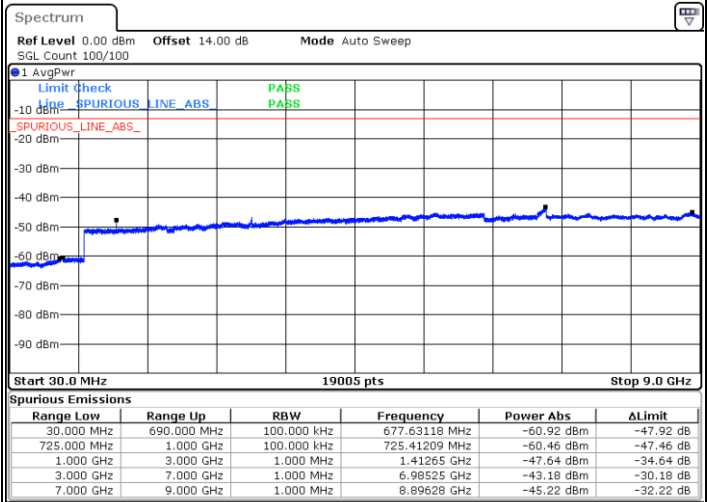
LTE Band 12 / 3MHz

Lowest Channel / 64QAM



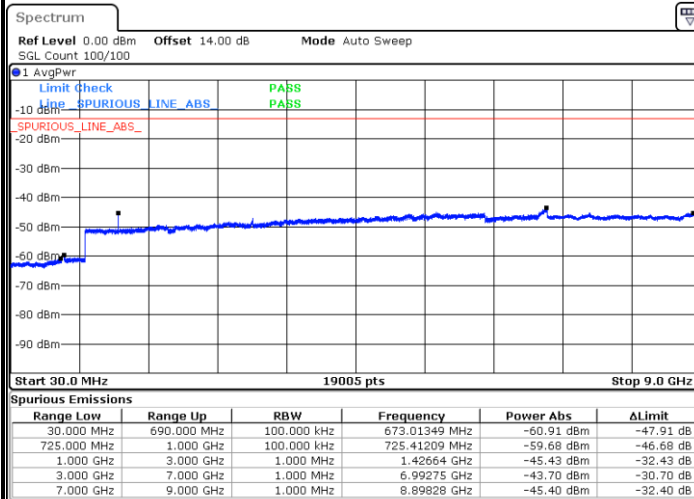
Date: 17.AUG.2020 10:12:18

Middle Channel / 64QAM



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

Highest Channel / 64QAM

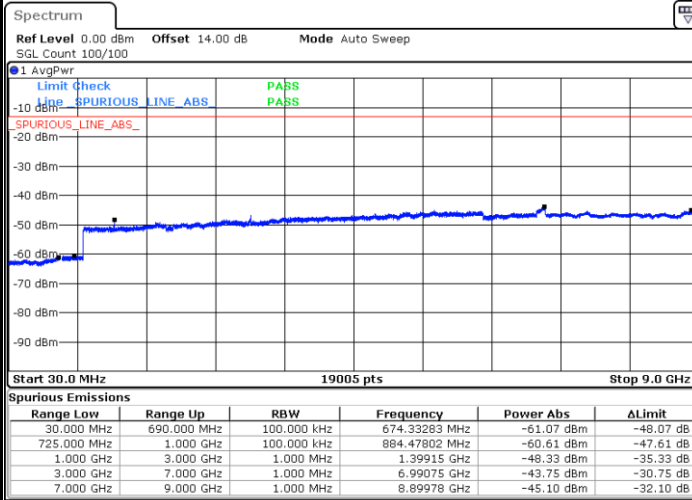


Date: 17.AUG.2020 10:15:58



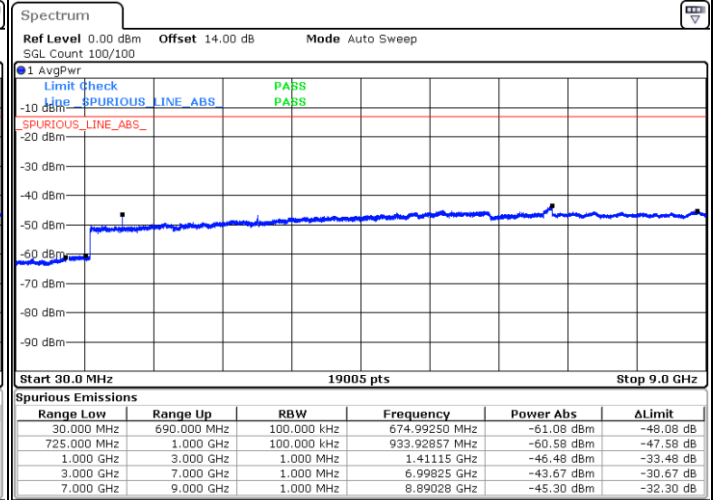
LTE Band 12 / 5MHz

Lowest Channel / 64QAM



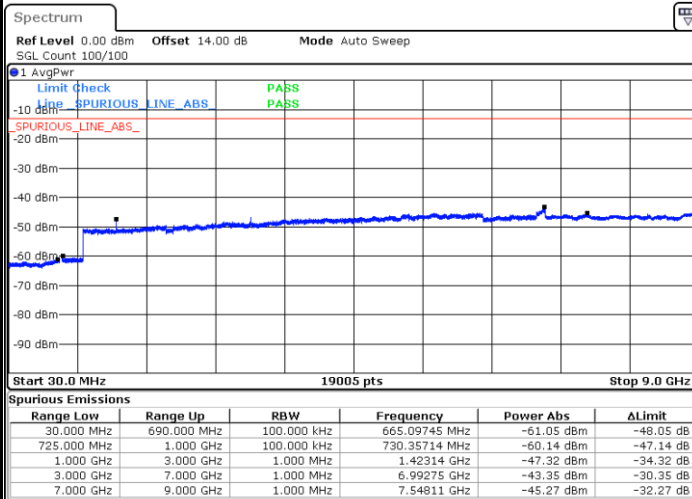
Date: 17.AUG.2020 10:18:33

Middle Channel / 64QAM



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

Highest Channel / 64QAM

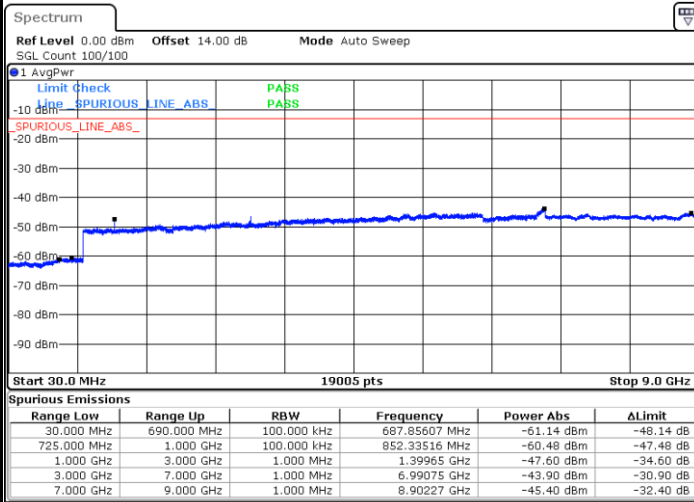


Date: 17.AUG.2020 10:22:13



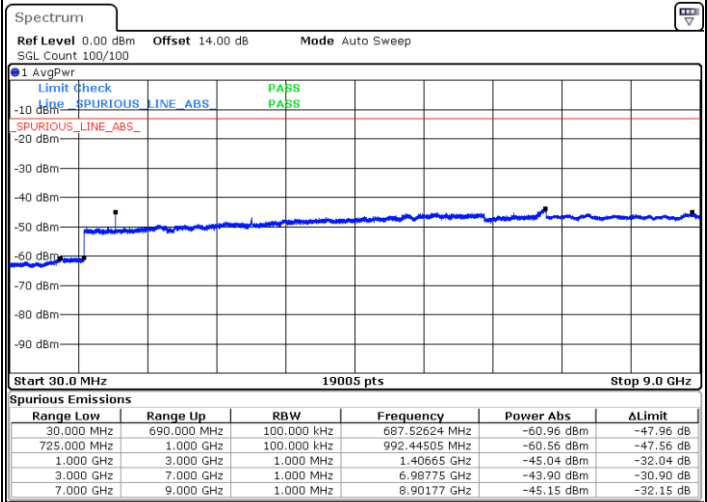
LTE Band 12 / 10MHz

Lowest Channel / 64QAM



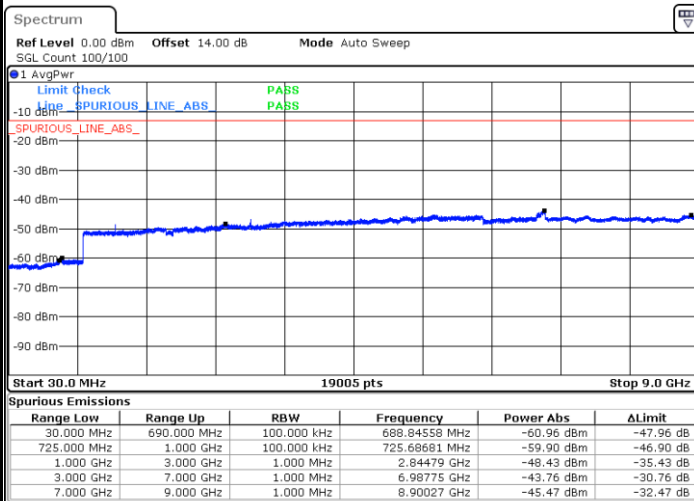
Date: 17.AUG.2020 10:24:48

Middle Channel / 64QAM



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:

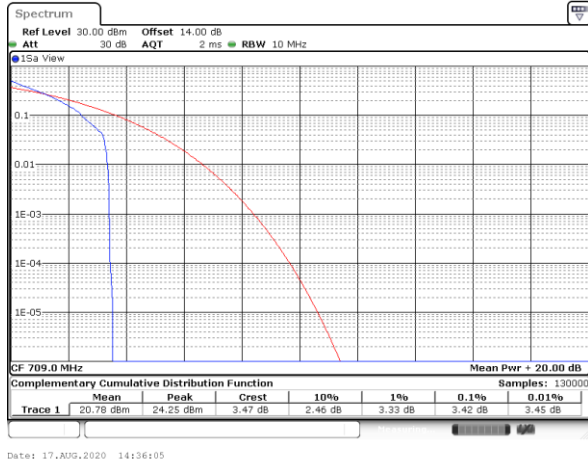
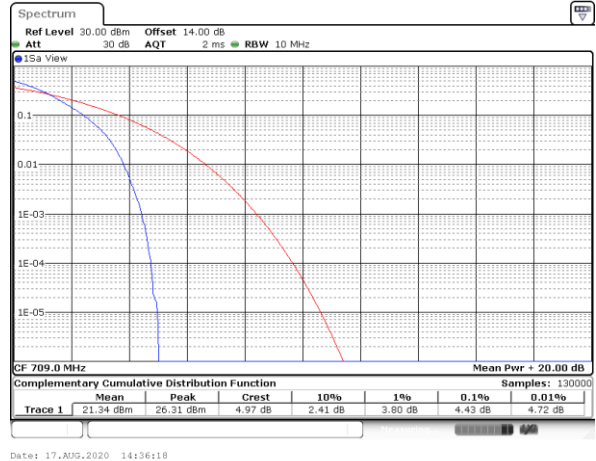
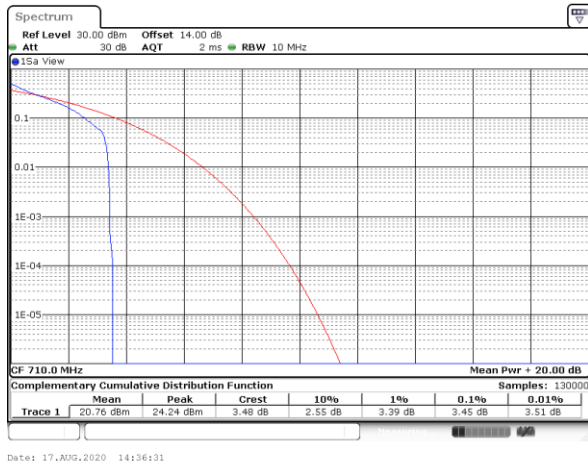
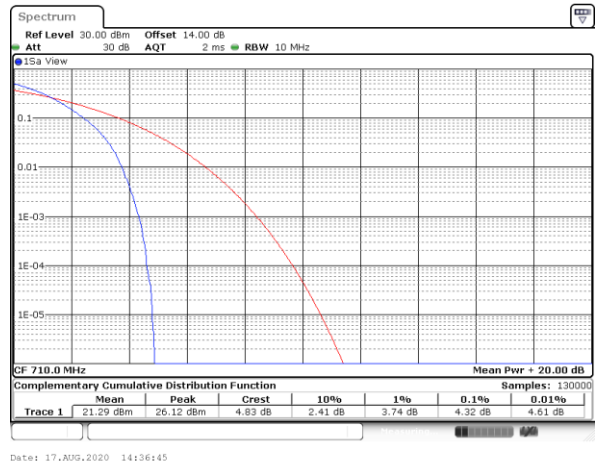
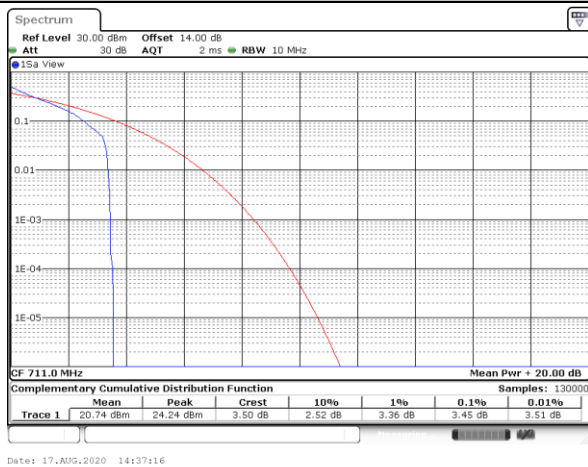
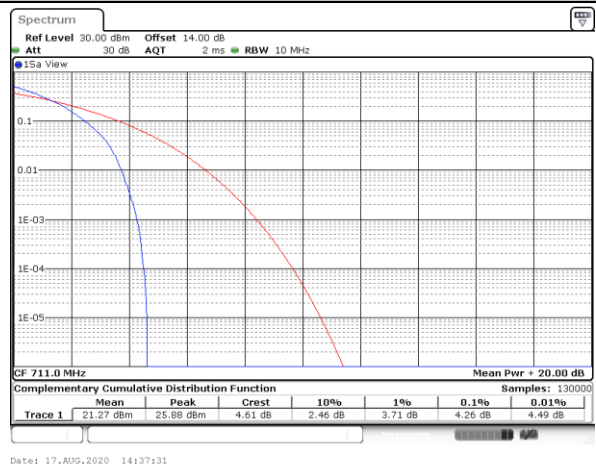
1. Normal Voltage =4 V. ; Battery End Point (BEP) =3.7 V. ; Maximum Voltage =4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 17

Peak-to-Average Ratio

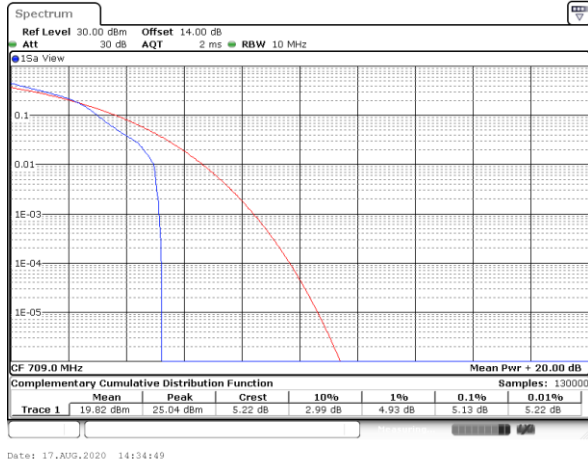
Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.42	4.43	5.13	5.68	PASS
Middle CH	3.45	4.32	4.75	5.62	
Highest CH	3.45	4.26	4.99	5.57	
Mode	LTE Band 17 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.32	6.29	-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

LTE Band 17 / 10MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


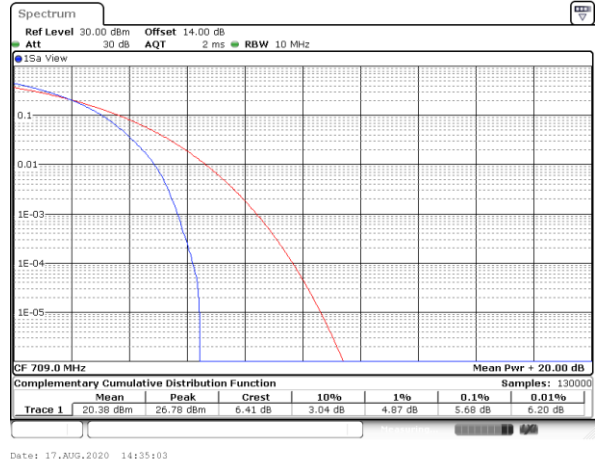


LTE Band 17 / 10MHz / 16QAM

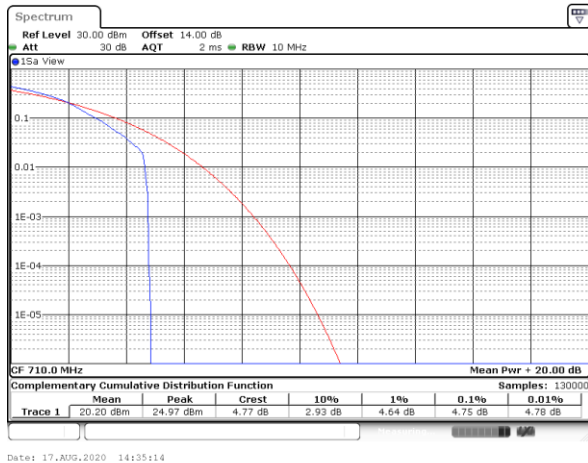
Lowest Channel / 1RB



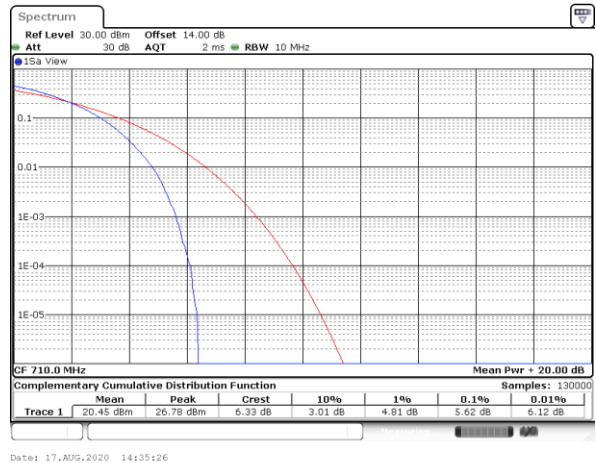
Lowest Channel / Full RB



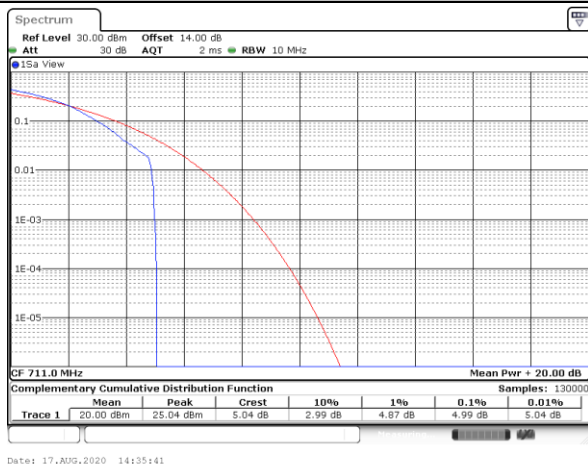
Middle Channel / 1RB



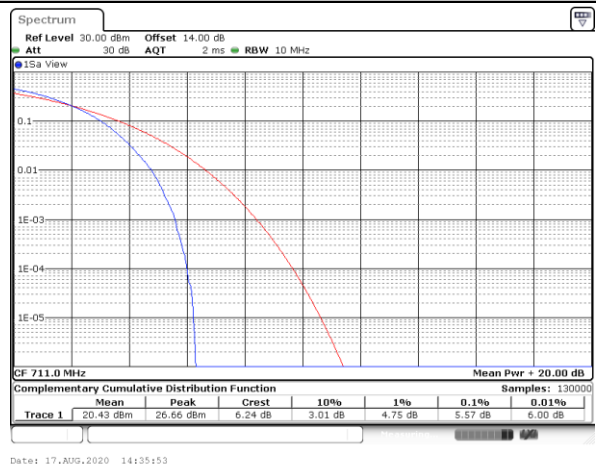
Middle Channel / Full RB



Highest Channel / 1RB



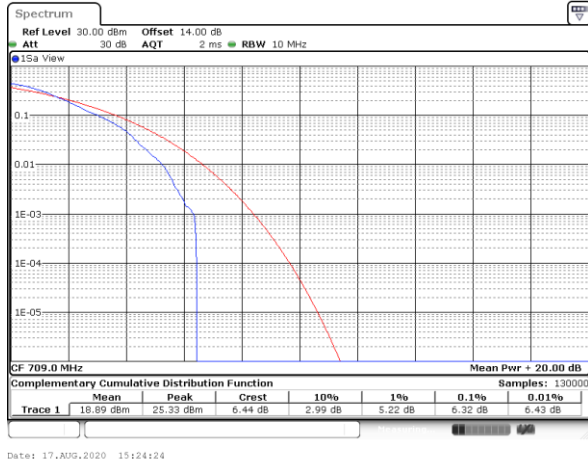
Highest Channel / Full RB



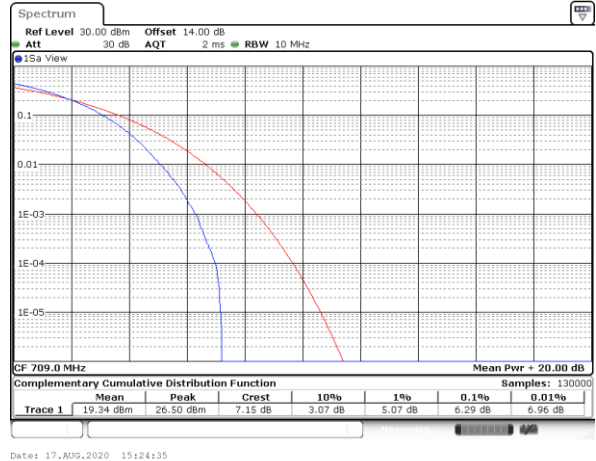


LTE Band 17 / 10MHz / 64QAM

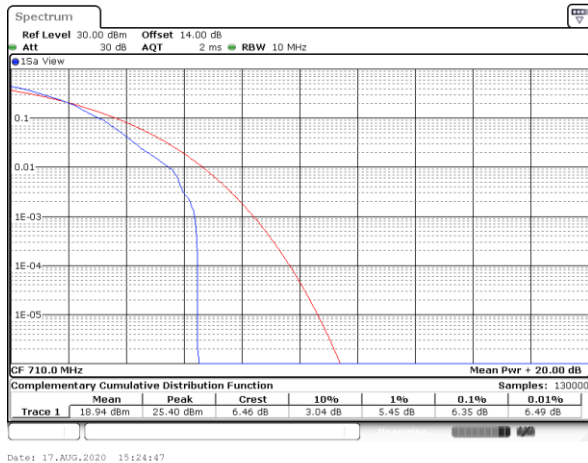
Lowest Channel / 1RB



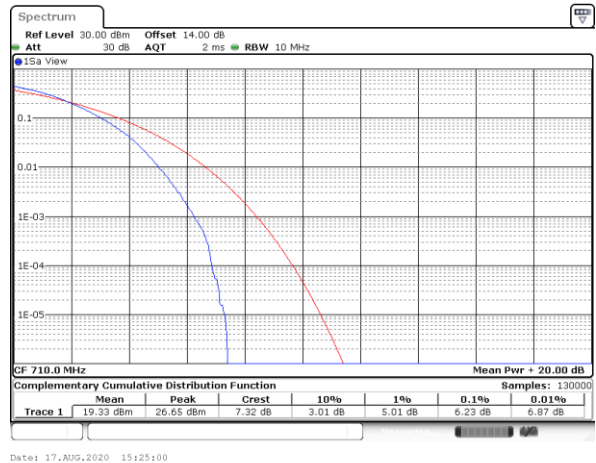
Lowest Channel / Full RB



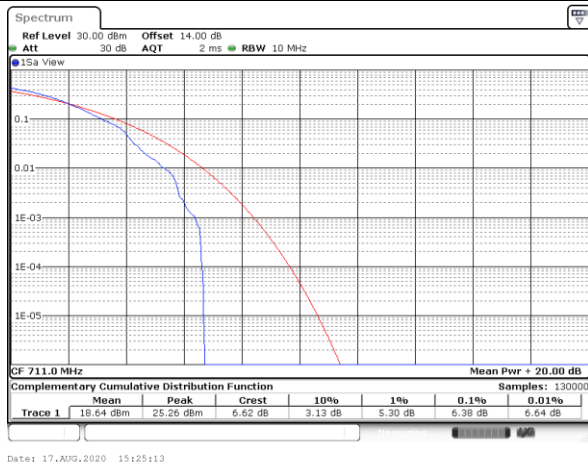
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

