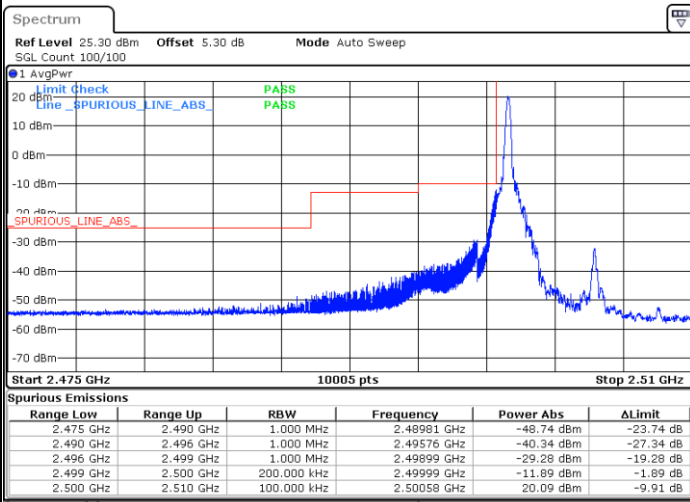




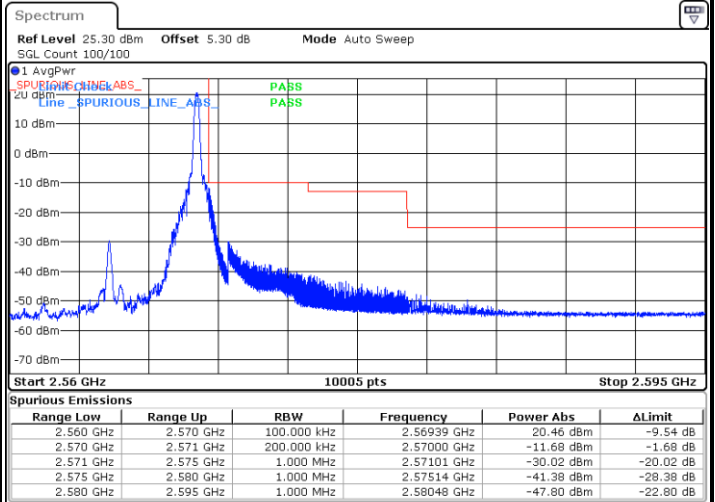
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



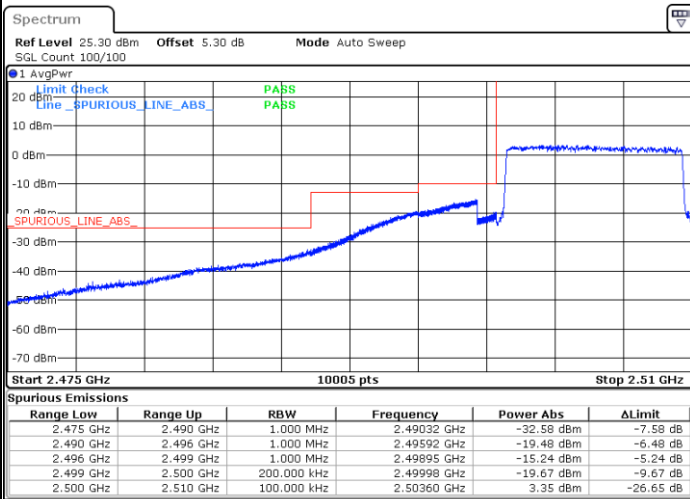
Date: 27.NOV.2020 03:25:49



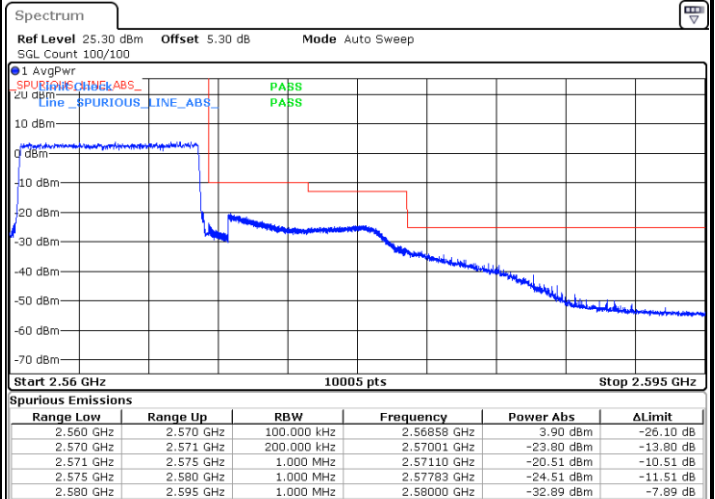
Date: 27.NOV.2020 03:35:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.NOV.2020 03:28:05



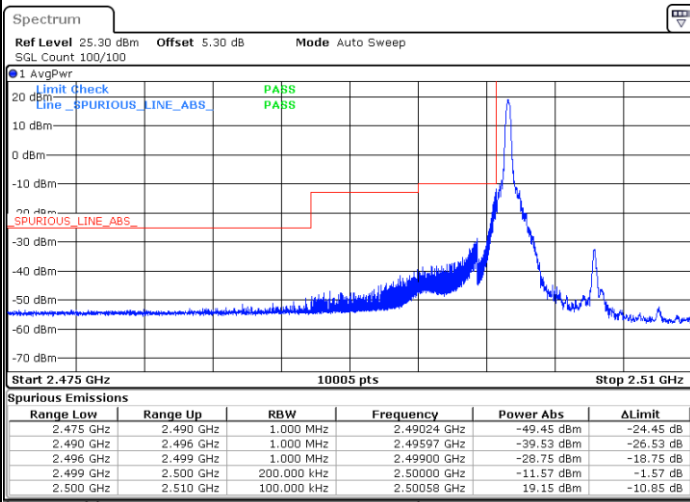
Date: 27.NOV.2020 03:37:33



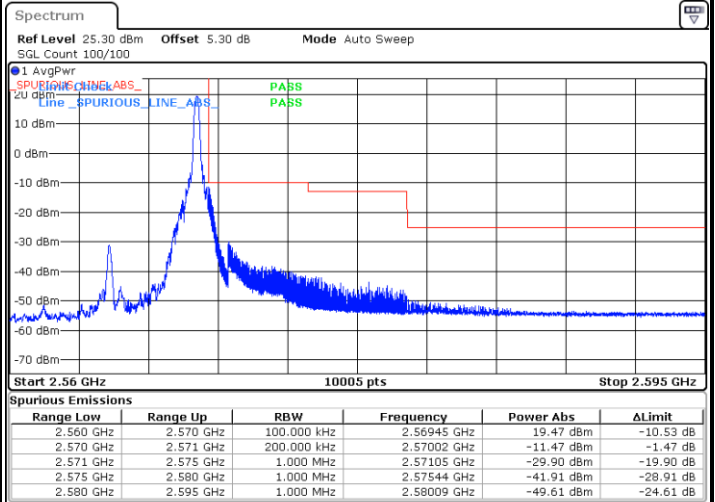
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



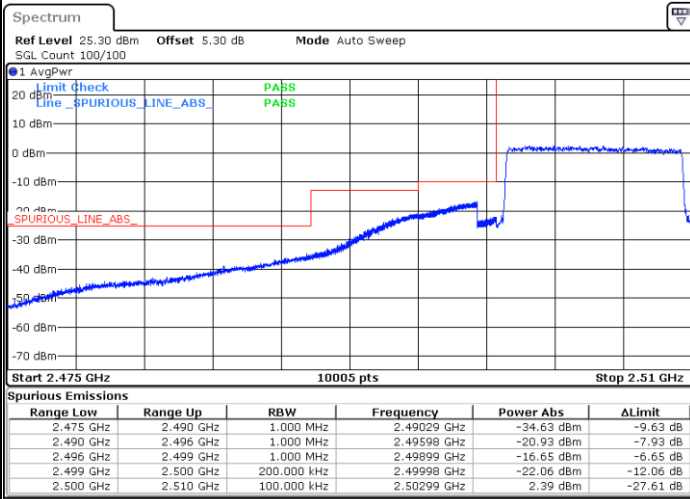
Date: 27.NOV.2020 03:26:57



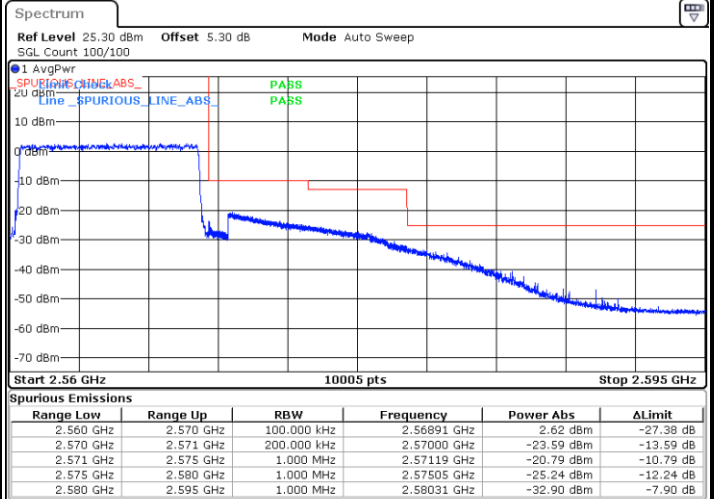
Date: 27.NOV.2020 03:36:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.NOV.2020 03:29:13



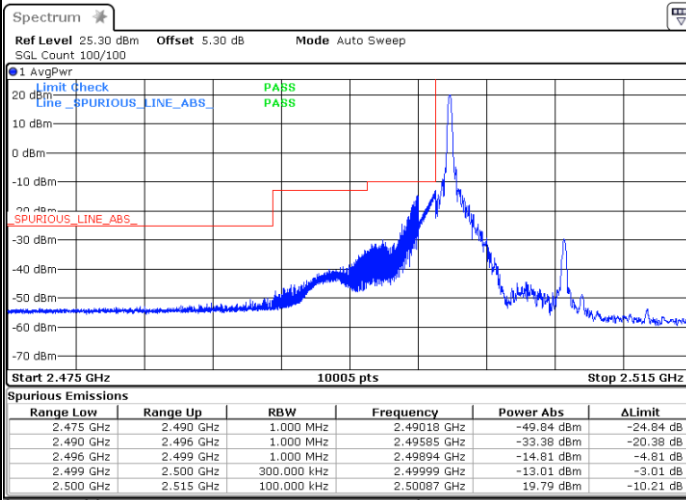
Date: 27.NOV.2020 03:38:41



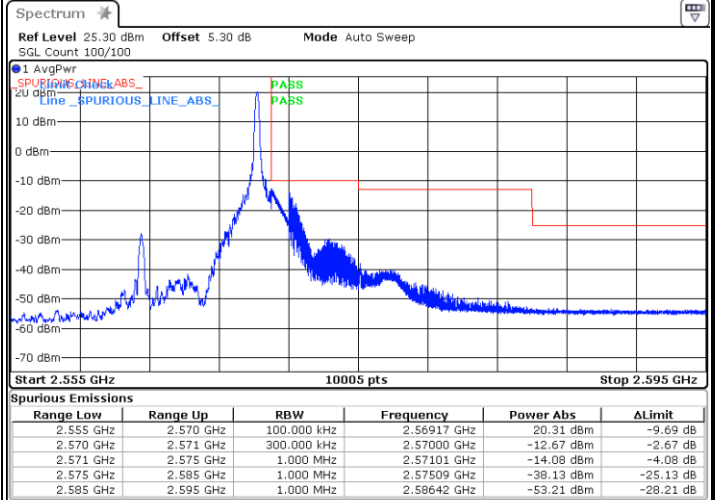
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



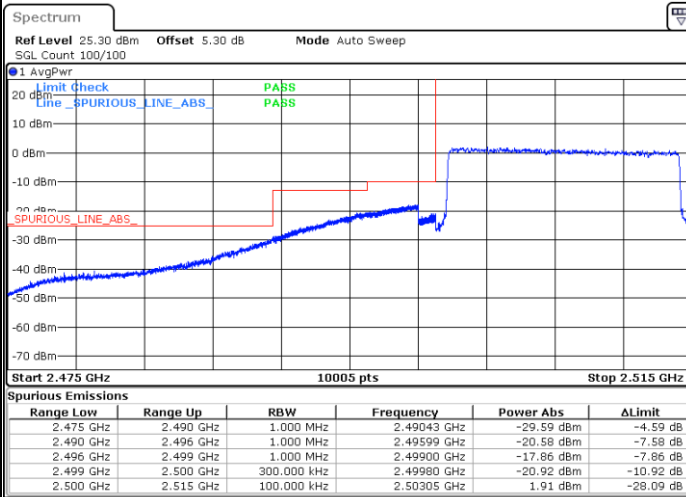
Date: 27.NOV.2020 05:17:44



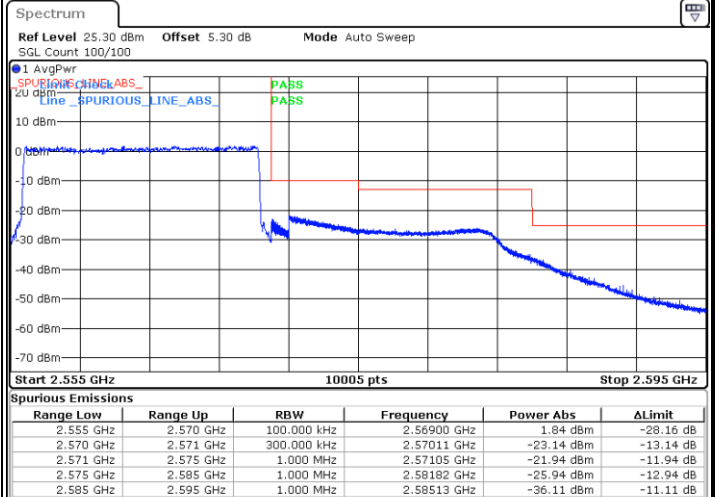
Date: 27.NOV.2020 05:20:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.NOV.2020 03:53:32

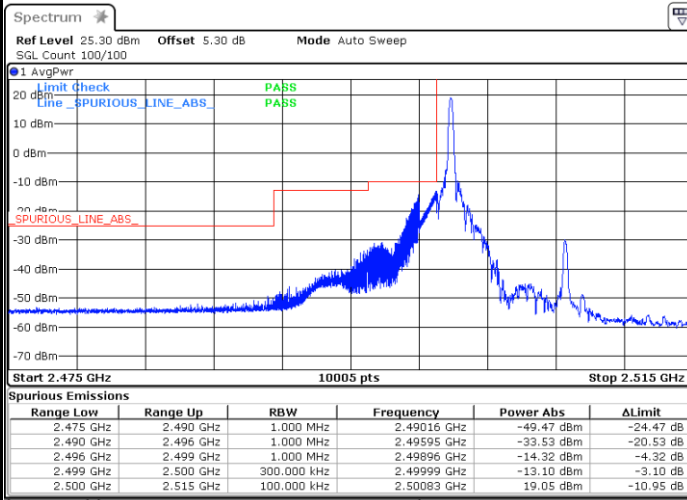


Date: 27.NOV.2020 04:02:59



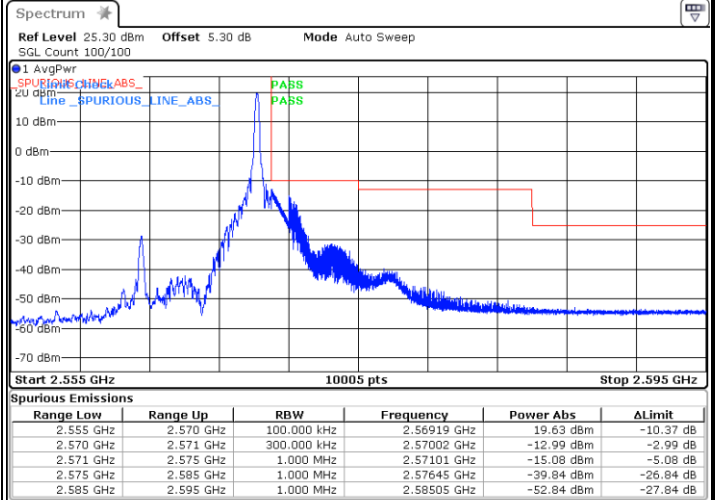
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



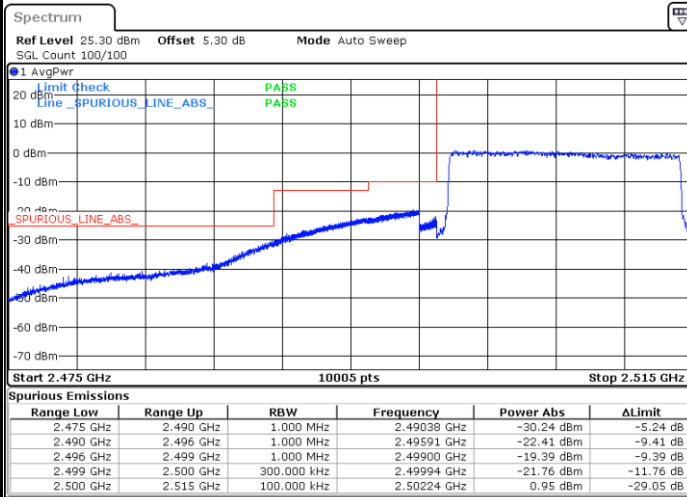
Date: 27.NOV.2020 05:18:27

Highest Band Edge / 1 RB



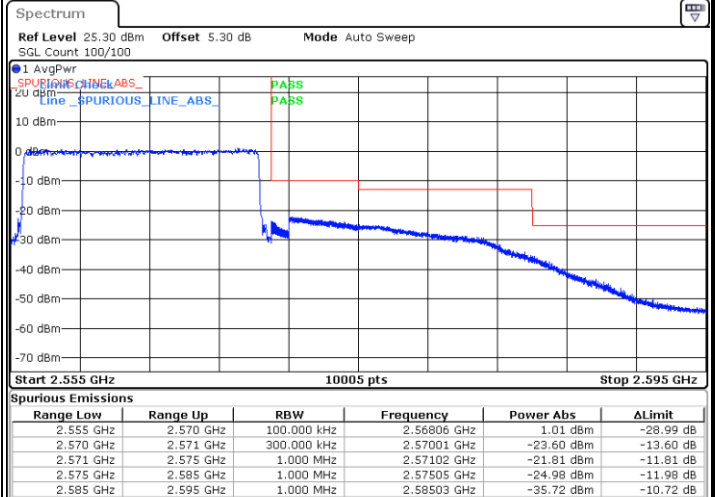
Date: 27.NOV.2020 05:20:52

Lowest Band Edge / Full RB



Date: 27.NOV.2020 03:54:40

Highest Band Edge / Full RB

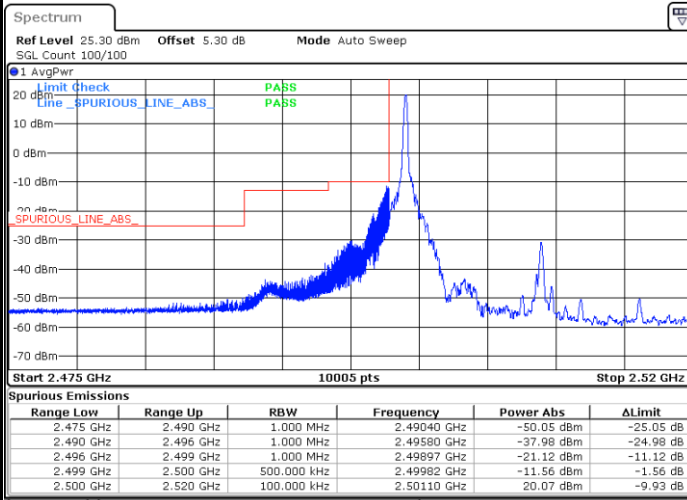


Date: 27.NOV.2020 04:04:07



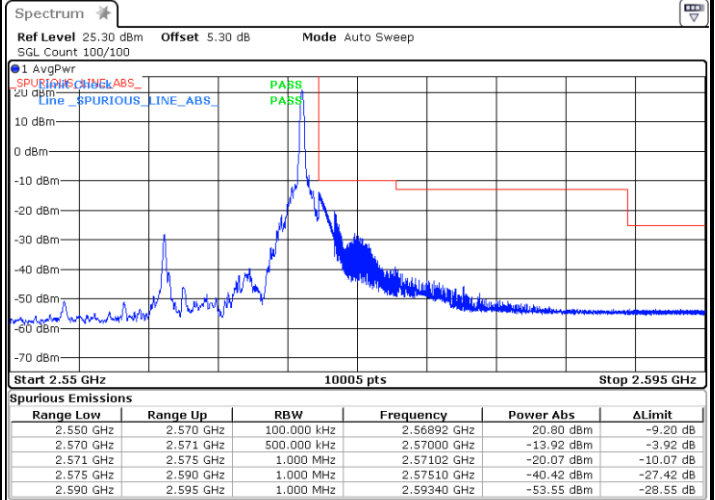
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



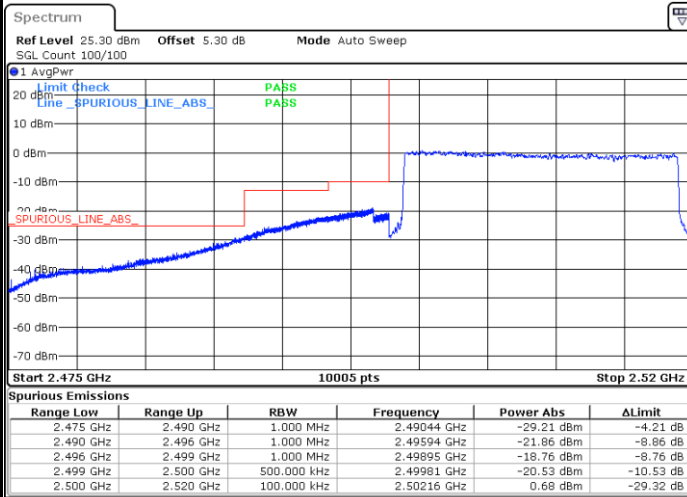
Date: 27.NOV.2020 04:17:01

Highest Band Edge / 1 RB



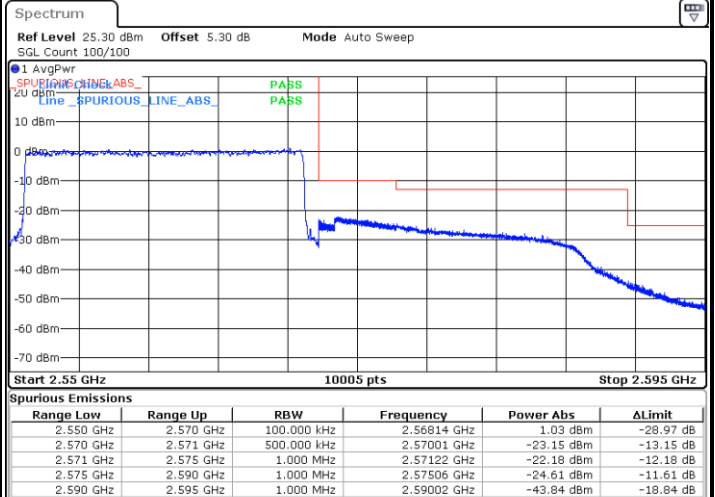
Date: 27.NOV.2020 04:50:25

Lowest Band Edge / Full RB



Date: 27.NOV.2020 04:19:18

Highest Band Edge / Full RB

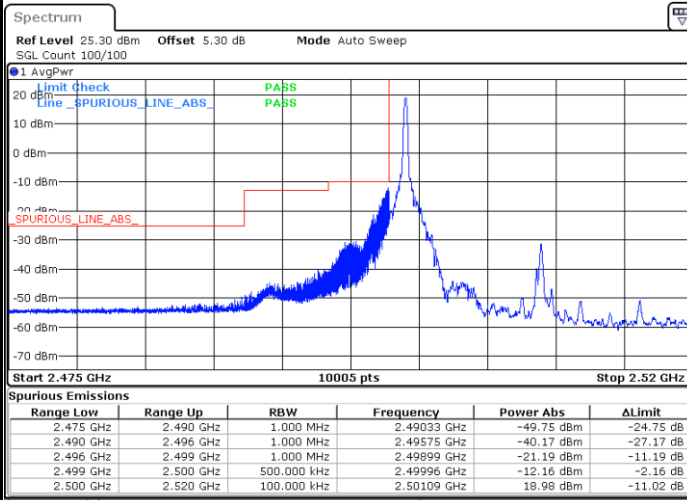


Date: 27.NOV.2020 04:29:53



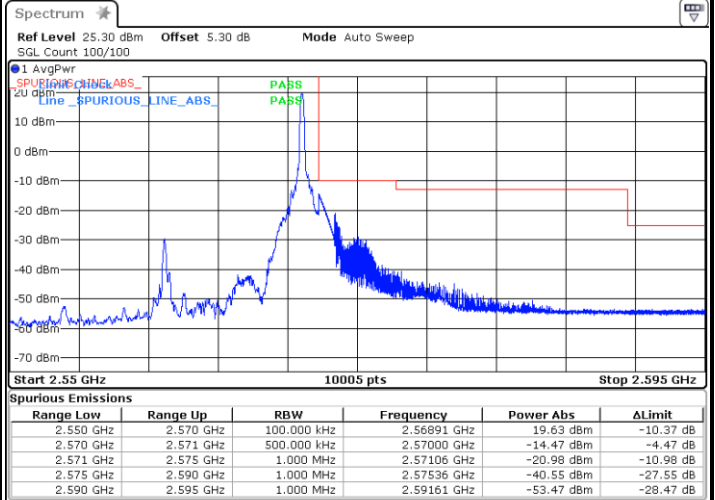
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



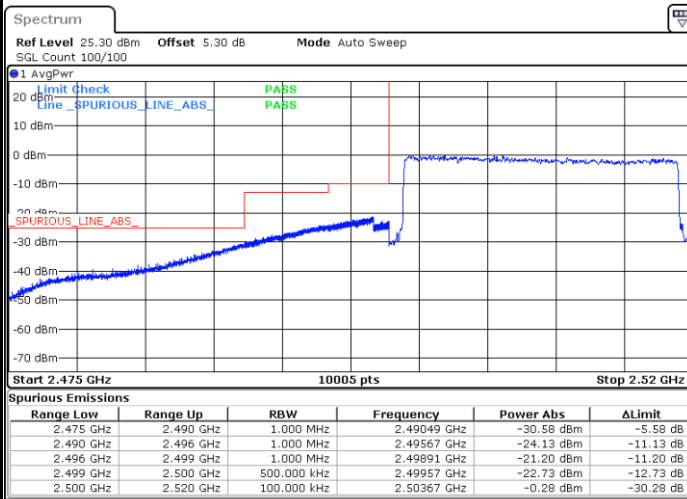
Date: 27.NOV.2020 04:18:10

Highest Band Edge / 1RB



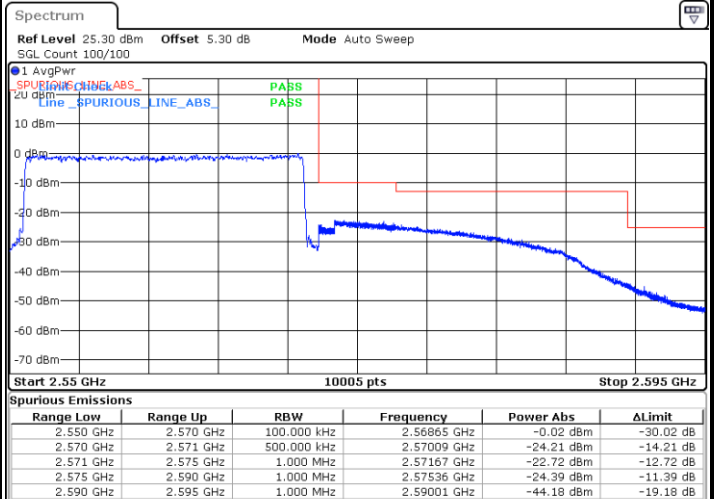
Date: 27.NOV.2020 04:49:16

Lowest Band Edge / Full RB



Date: 27.NOV.2020 04:20:26

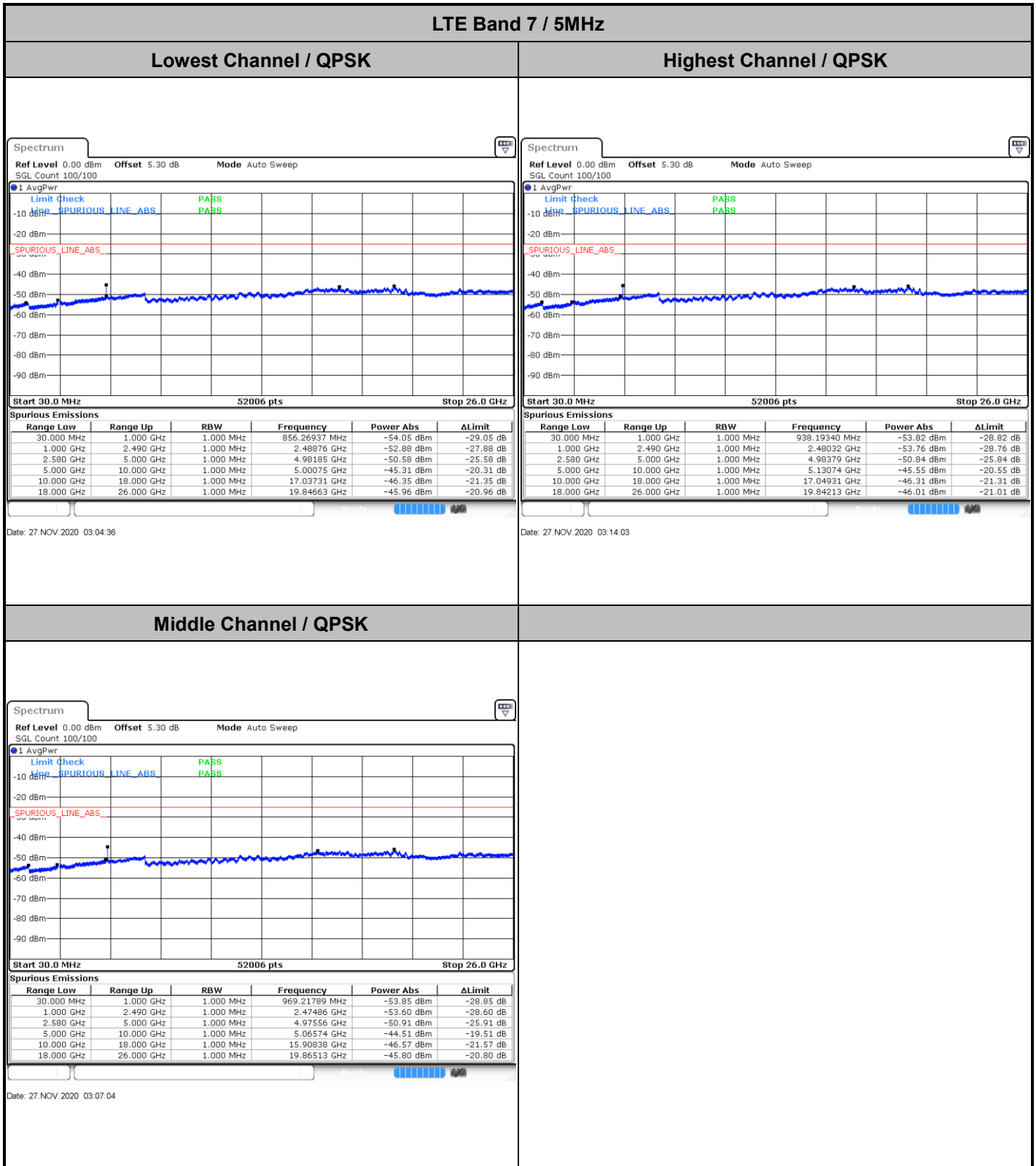
Highest Band Edge / Full RB



Date: 27.NOV.2020 04:28:45



Conducted Spurious Emission

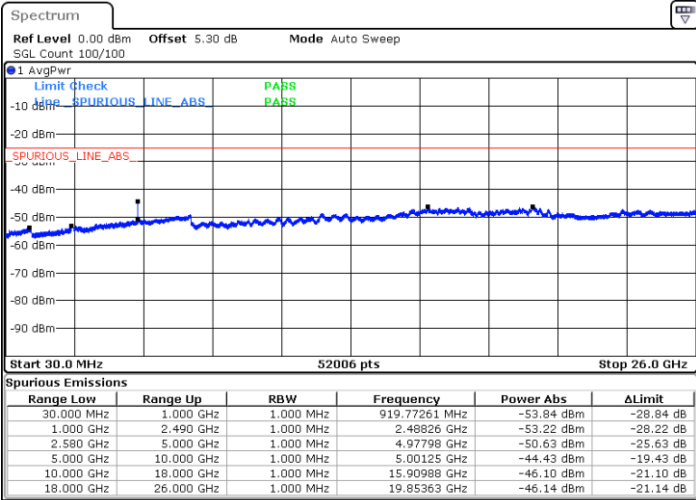




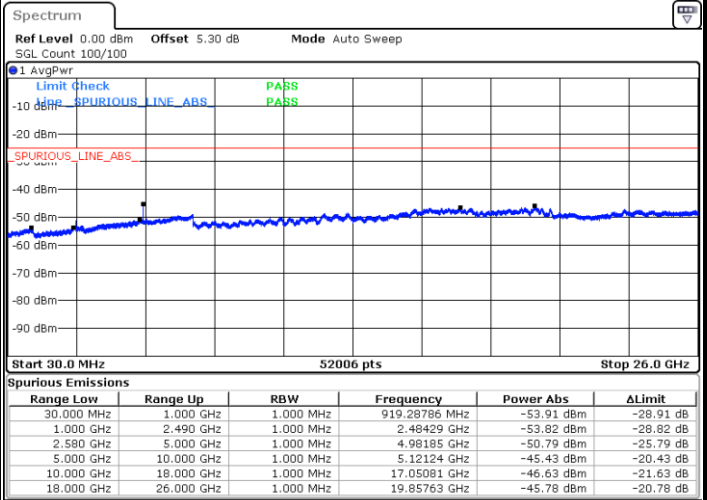
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Highest Channel / QPSK

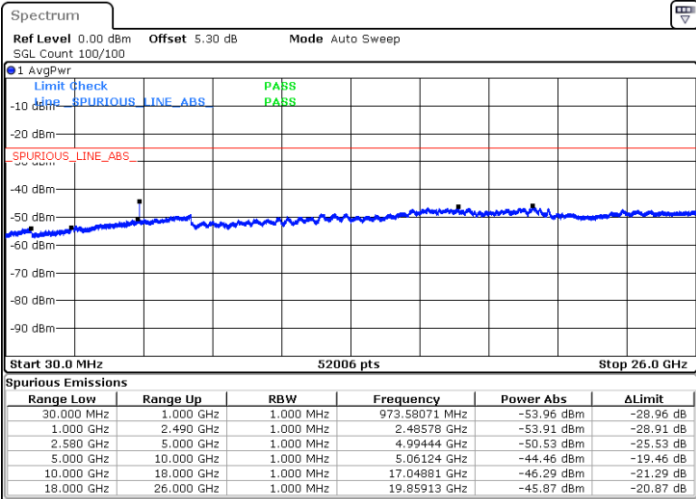


Date: 27.NOV.2020 03:30:06



Date: 27.NOV.2020 03:39:33

Middle Channel / QPSK



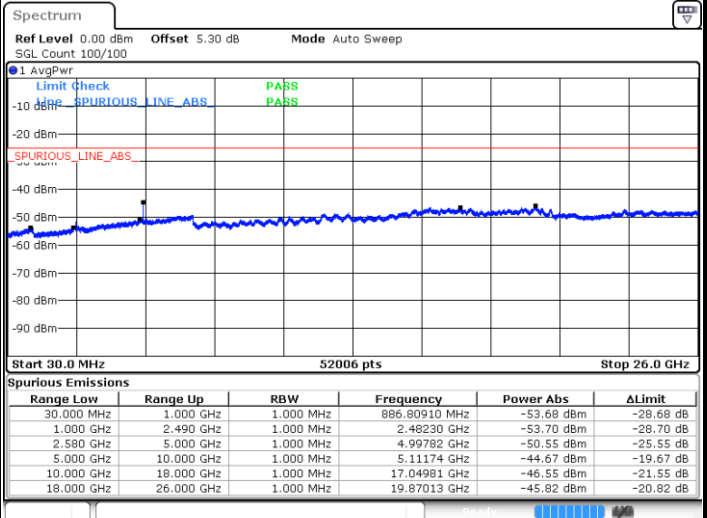
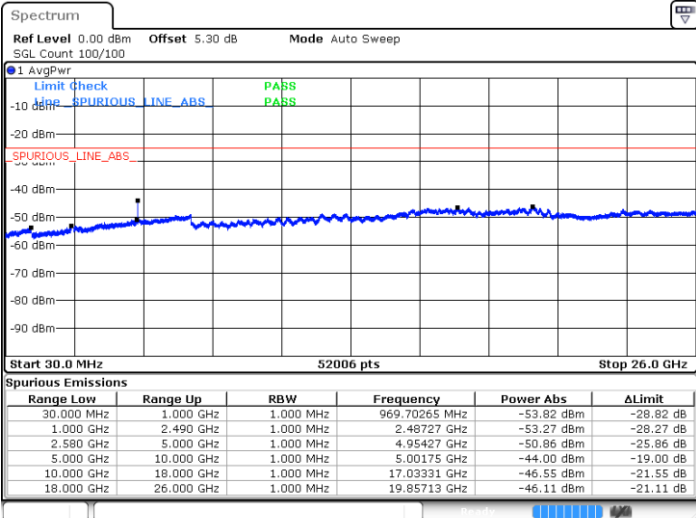
Date: 27.NOV.2020 03:32:33



LTE Band 7 / 15MHz

Lowest Channel / QPSK

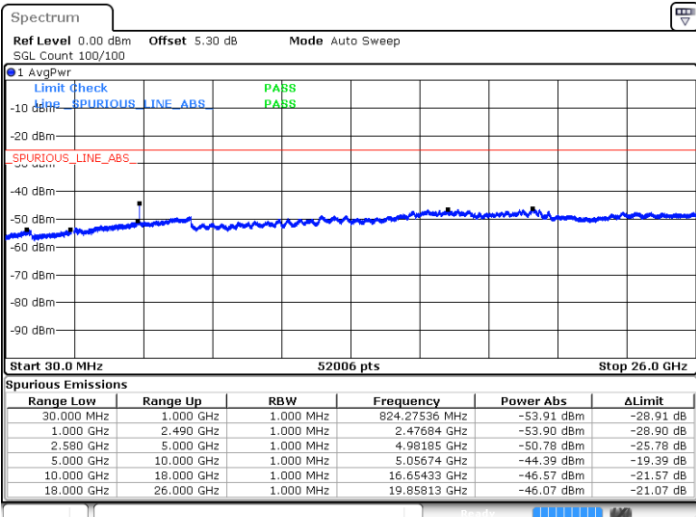
Highest Channel / QPSK



Date: 27.NOV.2020 03:55:33

Date: 27.NOV.2020 04:05:00

Middle Channel / QPSK



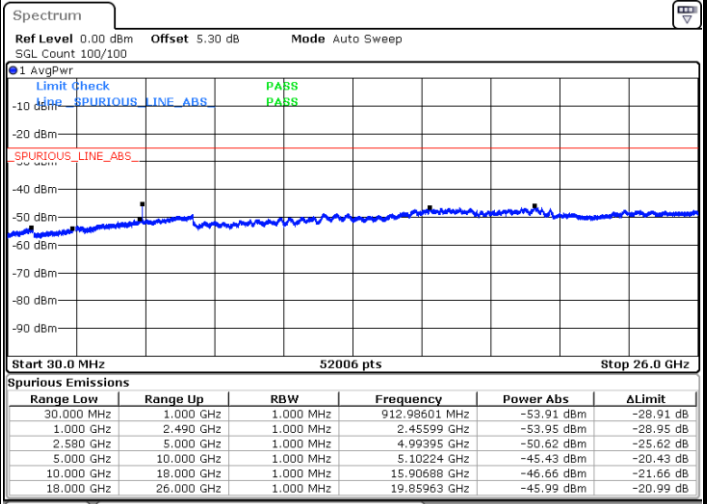
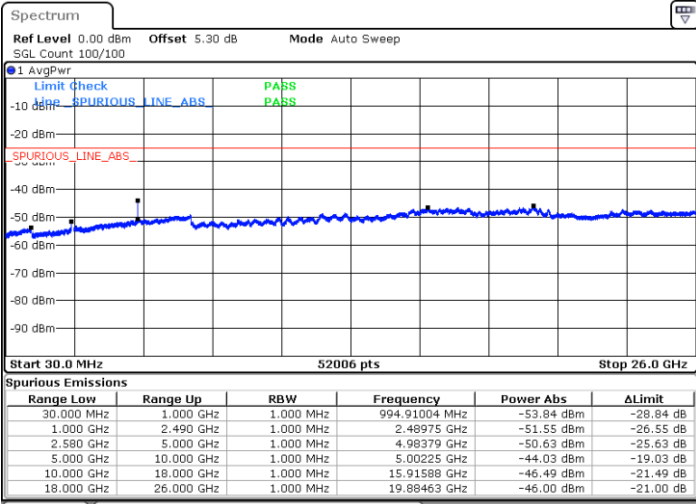
Date: 27.NOV.2020 03:58:00



LTE Band 7 / 20MHz

Lowest Channel / QPSK

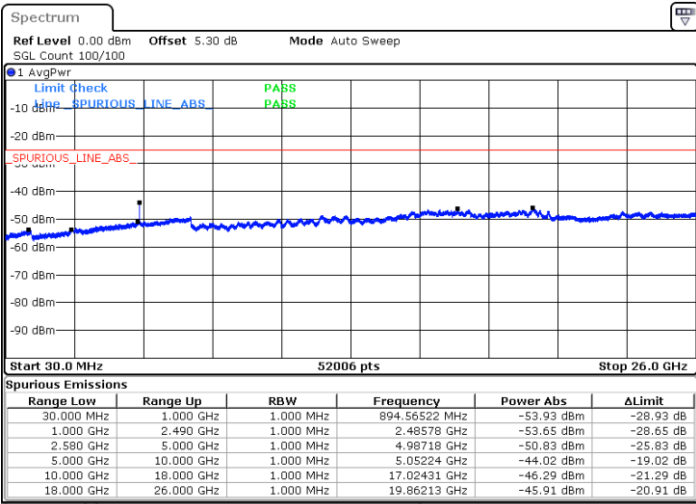
Highest Channel / QPSK



Date: 27.NOV.2020 04:21:19

Date: 27.NOV.2020 04:30:46

Middle Channel / QPSK



Date: 27.NOV.2020 04:23:46



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0004	

Note:

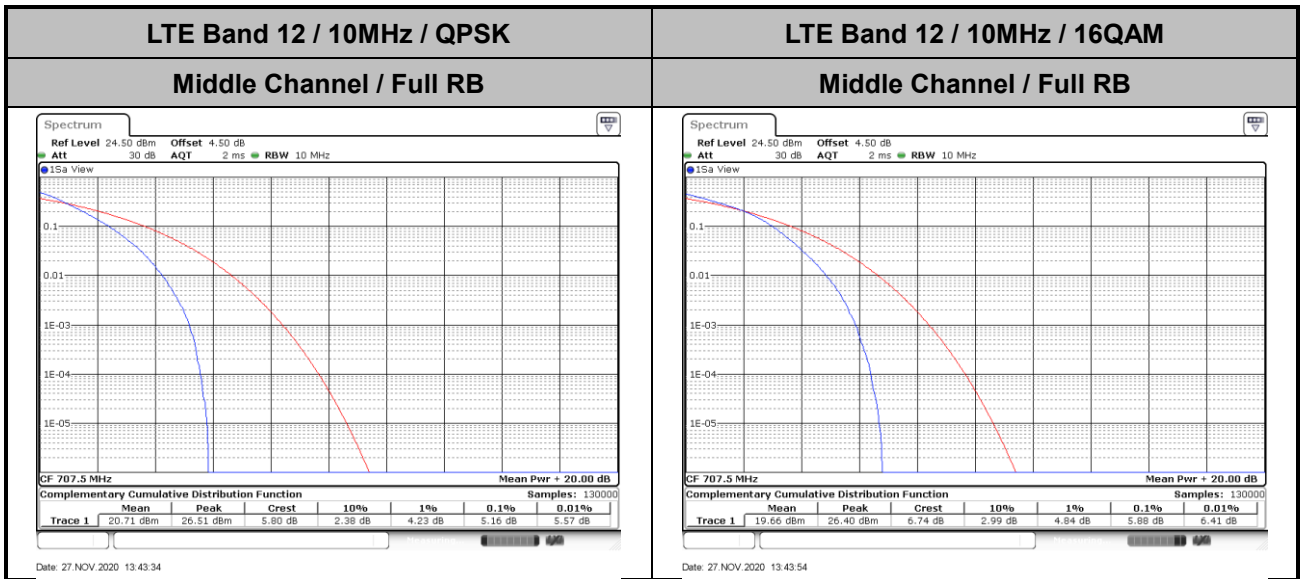
1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.135 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

Peak-to-Average Ratio

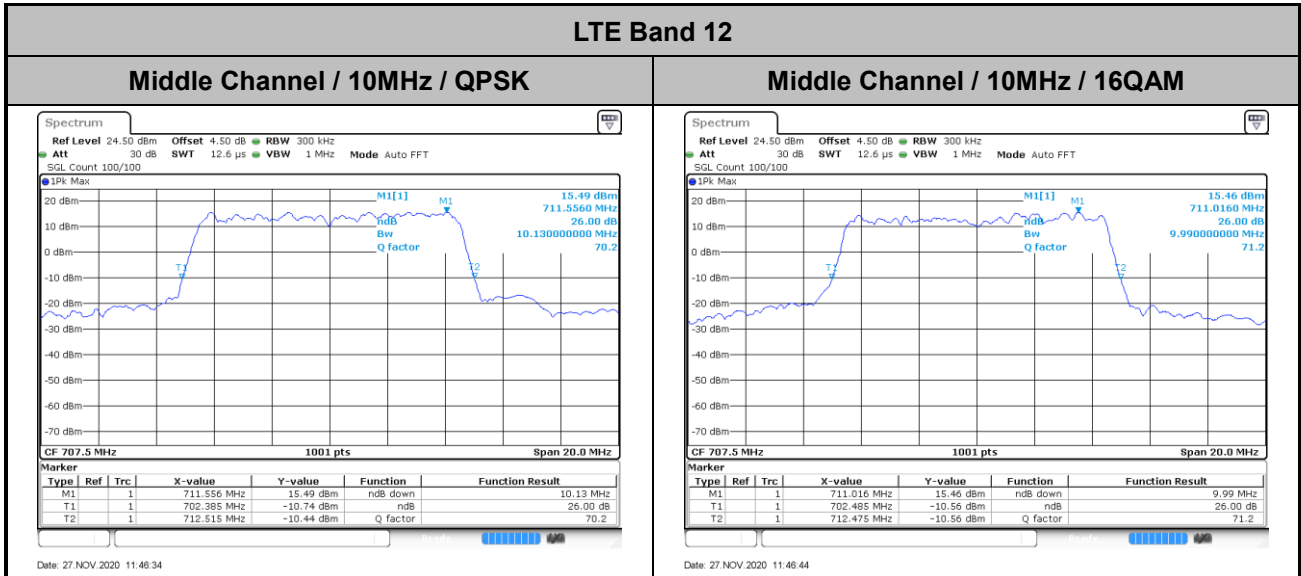
Mode	LTE Band 12 / 10MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	5.16	5.88	PASS





26dB Bandwidth

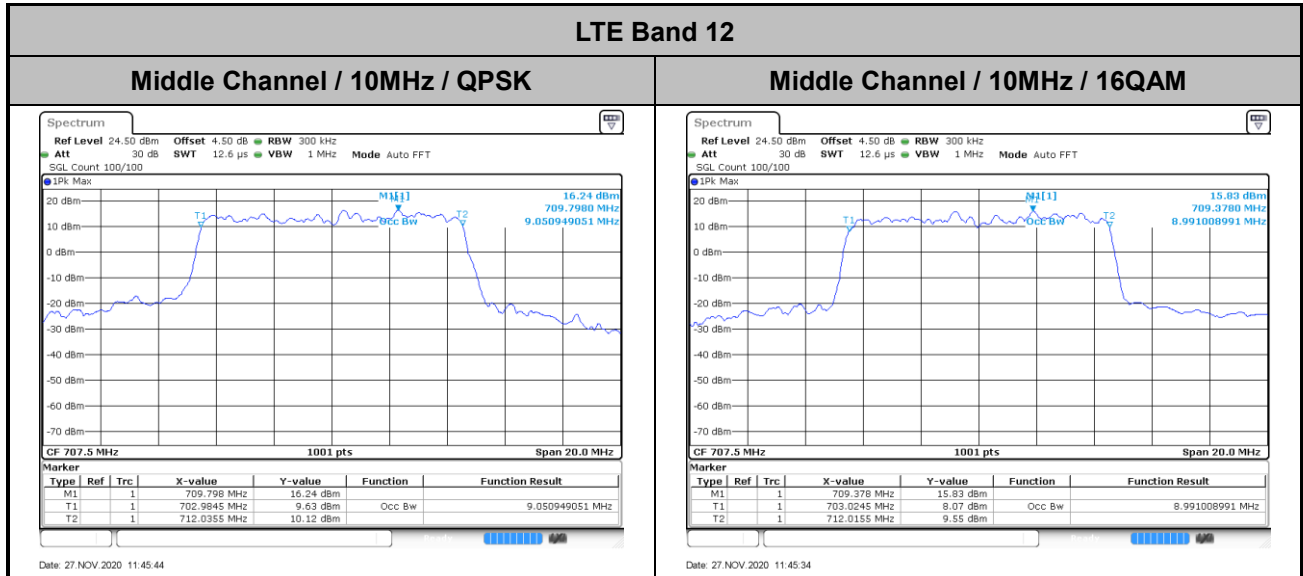
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	10.13	9.99





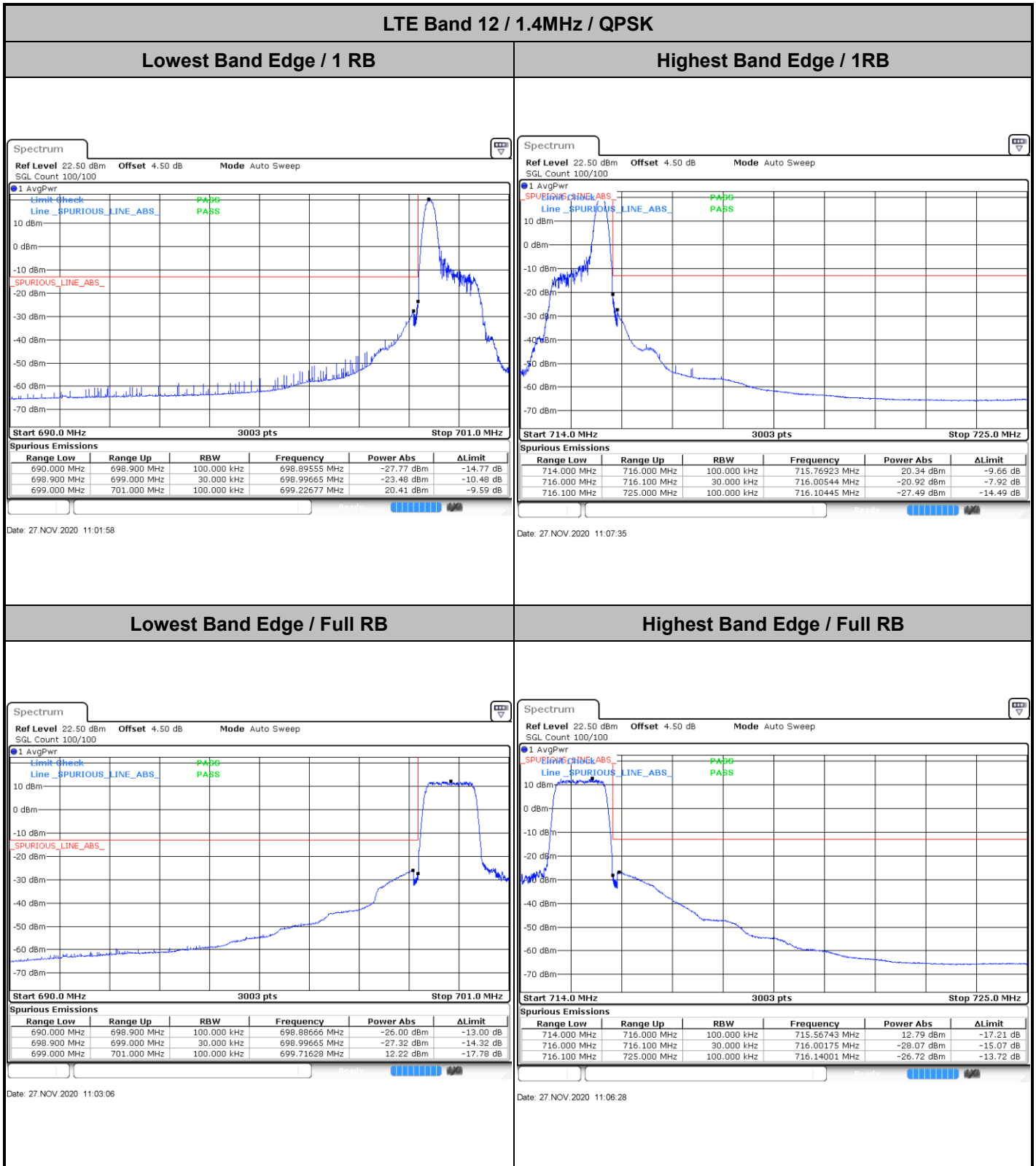
Occupied Bandwidth

Mode	LTE Band 12 : OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	8.99





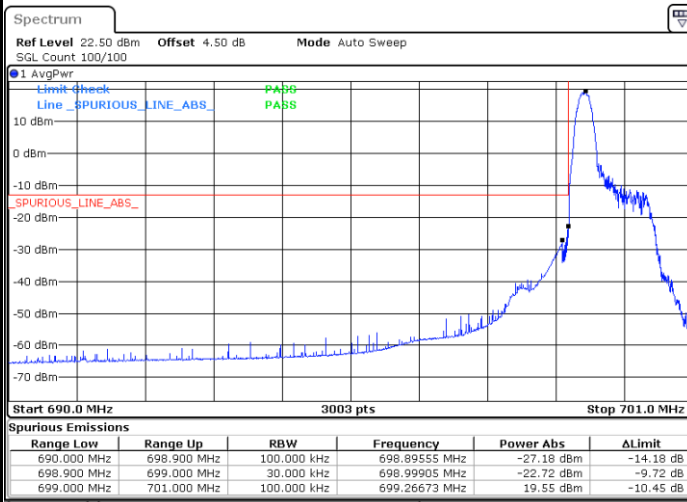
Conducted Band Edge





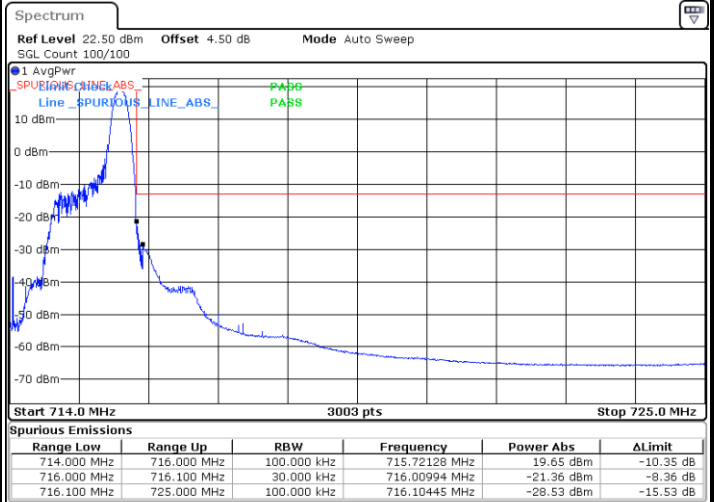
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



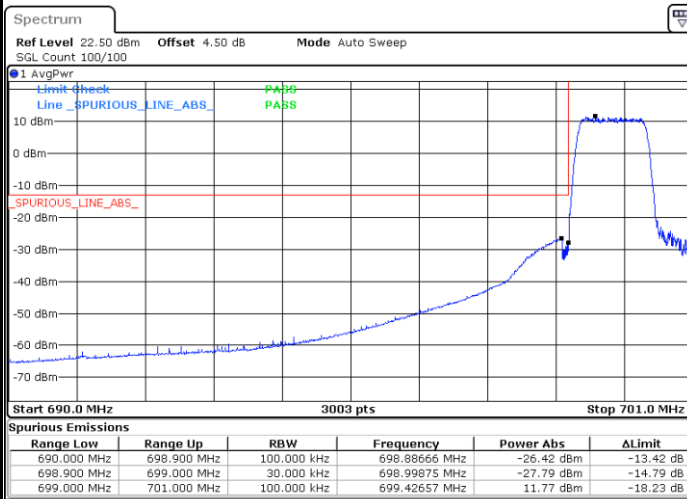
Date: 27.NOV.2020 11:00:51

Highest Band Edge / 1 RB



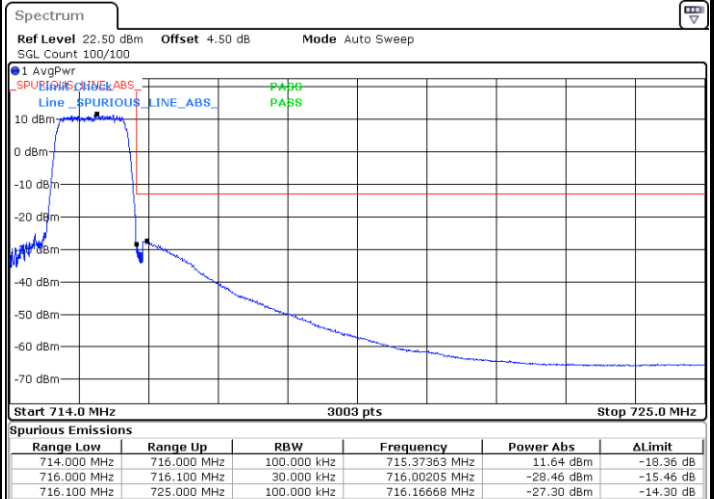
Date: 27.NOV.2020 11:08:43

Lowest Band Edge / Full RB



Date: 27.NOV.2020 11:04:13

Highest Band Edge / Full RB

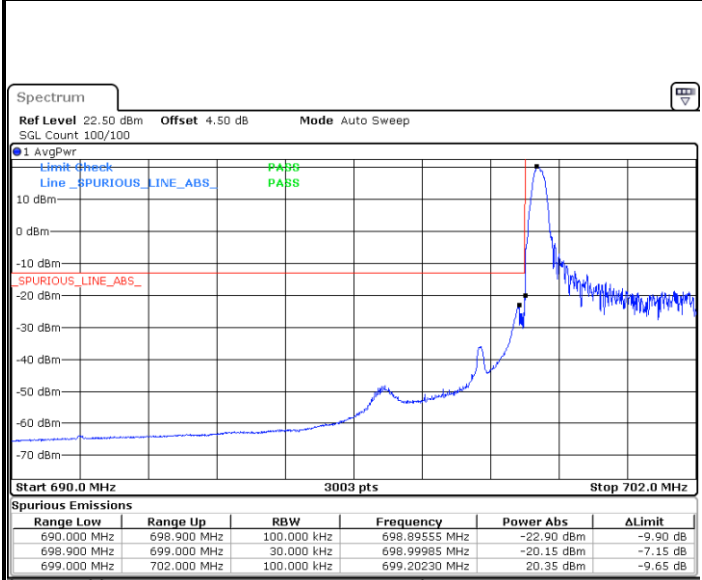


Date: 27.NOV.2020 11:05:21



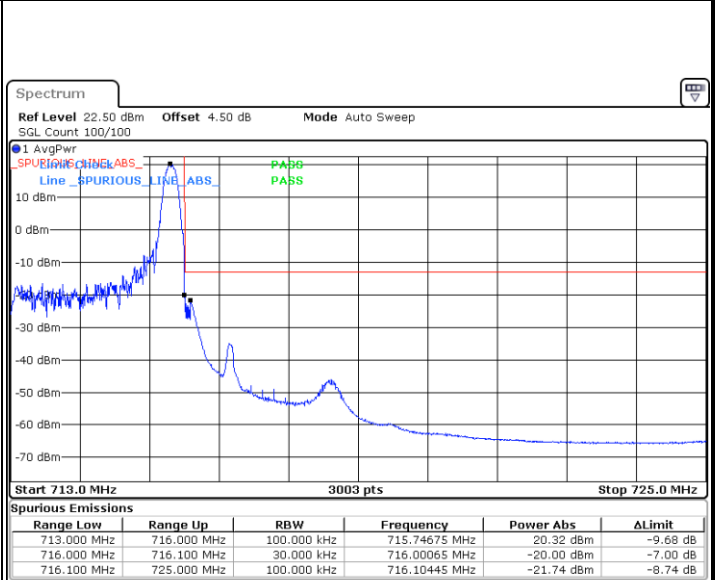
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



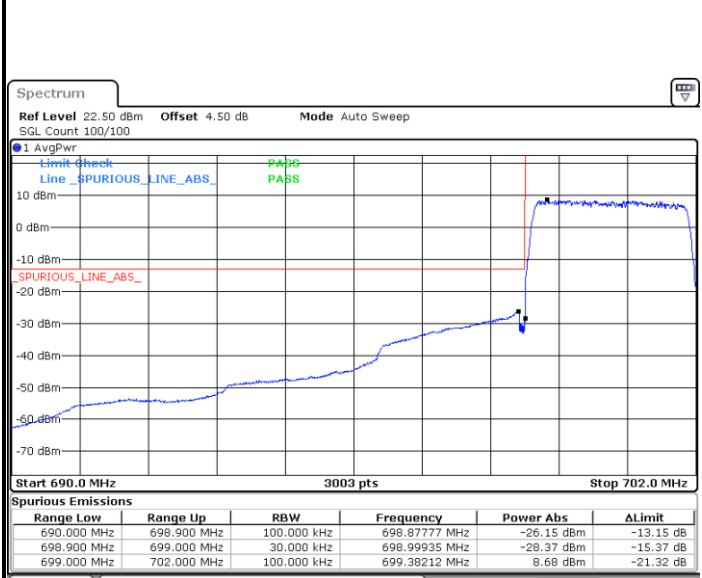
Date: 27.NOV.2020 11:19:44

Highest Band Edge / 1 RB



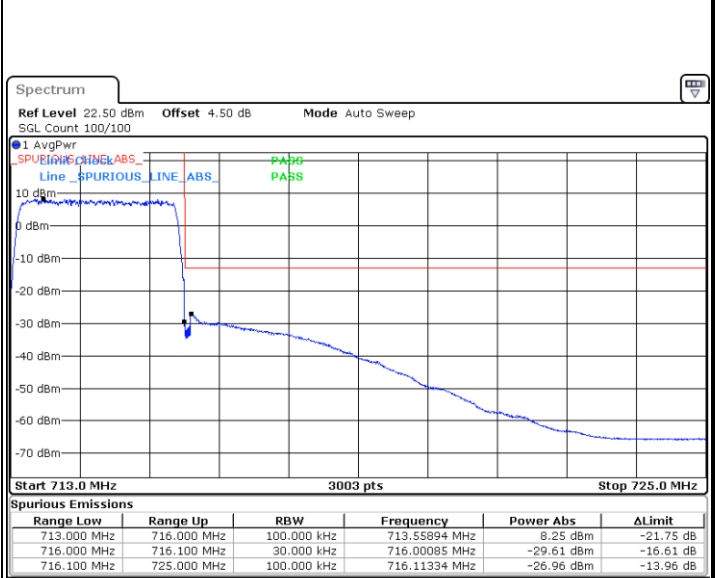
Date: 27.NOV.2020 11:25:21

Lowest Band Edge / Full RB



Date: 27.NOV.2020 11:20:51

Highest Band Edge / Full RB

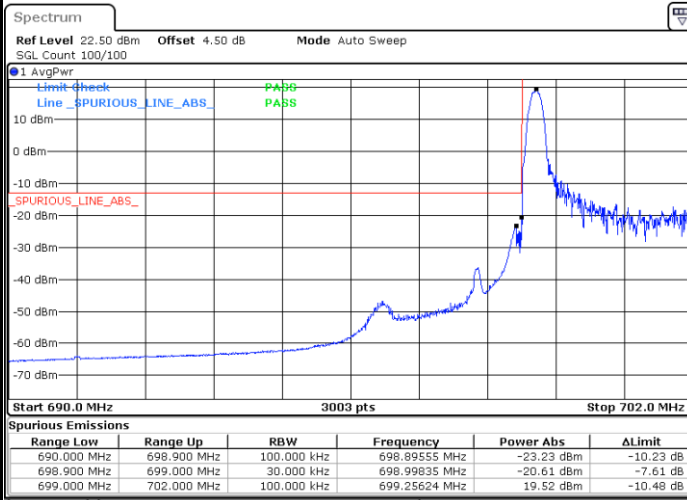


Date: 27.NOV.2020 11:24:14



LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



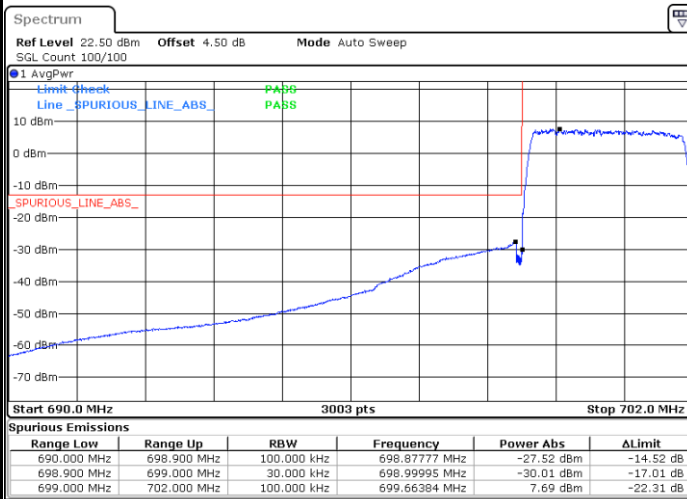
Date: 27.NOV.2020 11:18:37

Highest Band Edge / 1 RB



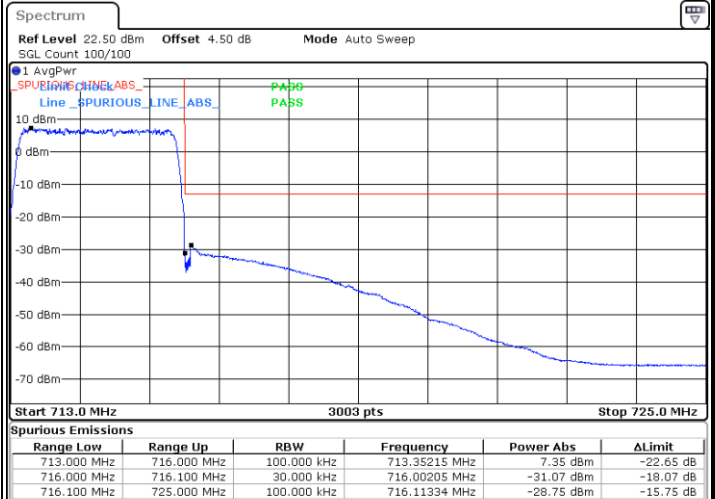
Date: 27.NOV.2020 11:26:28

Lowest Band Edge / Full RB



Date: 27.NOV.2020 11:21:59

Highest Band Edge / Full RB

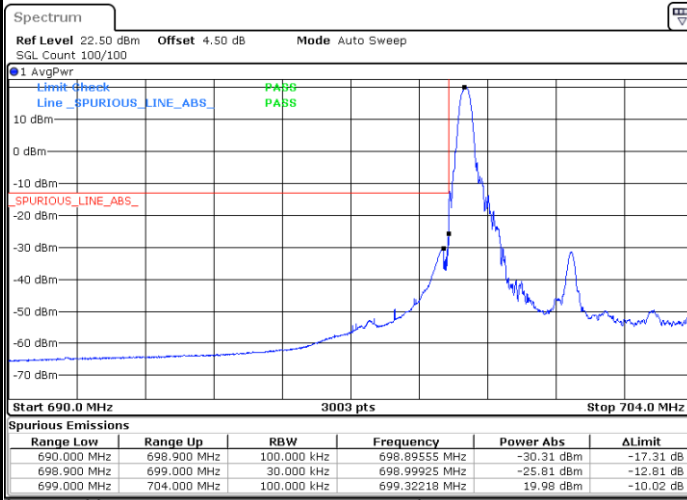


Date: 27.NOV.2020 11:23:06



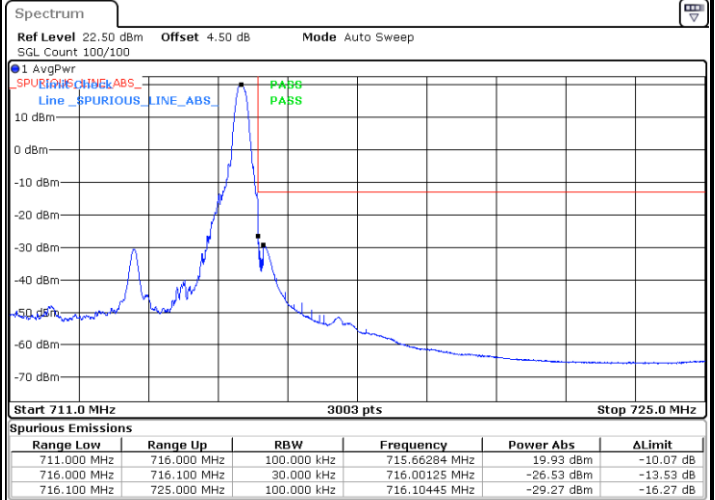
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



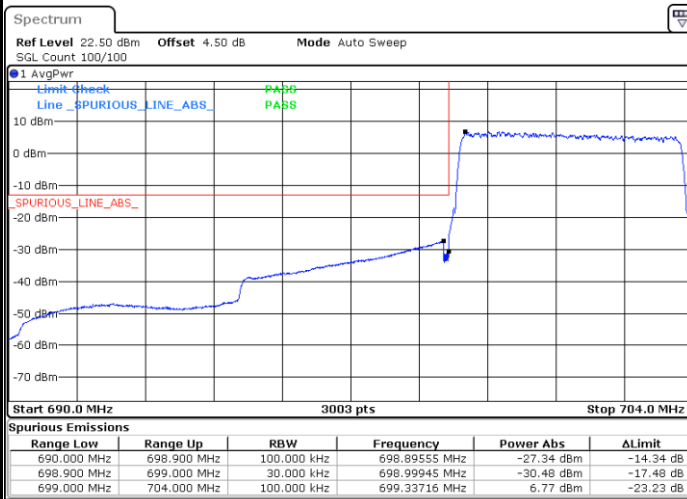
Date: 27.NOV.2020 11:37:05

Highest Band Edge / 1 RB



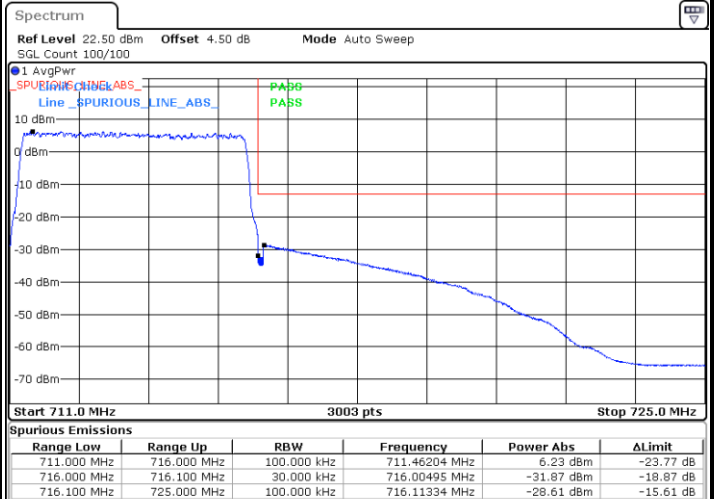
Date: 27.NOV.2020 11:42:42

Lowest Band Edge / Full RB



Date: 27.NOV.2020 11:38:12

Highest Band Edge / Full RB

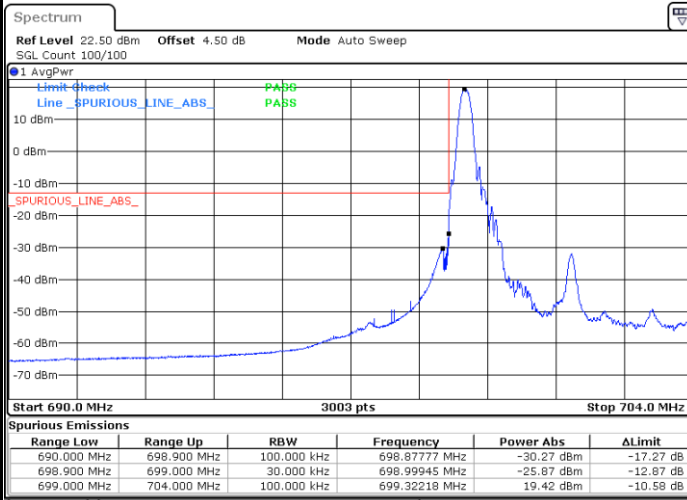


Date: 27.NOV.2020 11:41:35



LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



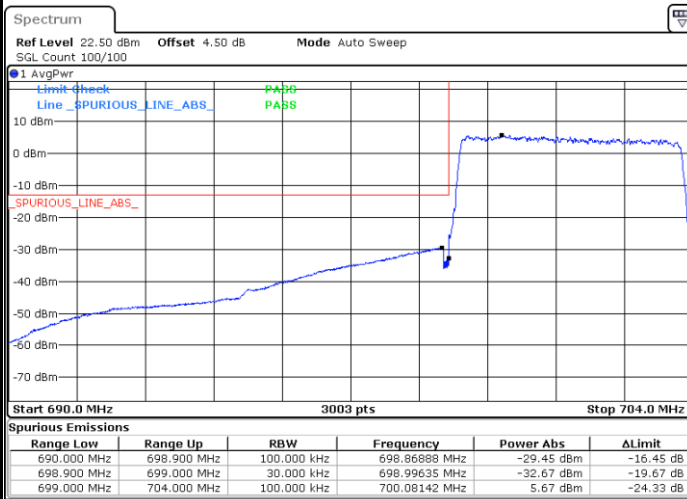
Date: 27.NOV.2020 11:35:58

Highest Band Edge / 1 RB



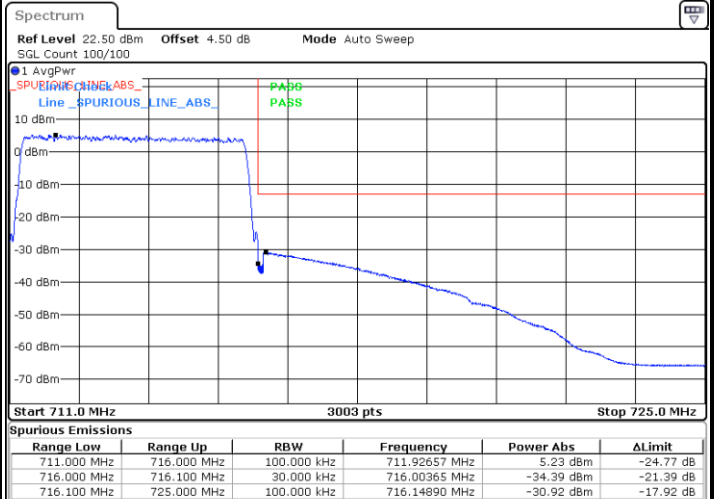
Date: 27.NOV.2020 11:43:49

Lowest Band Edge / Full RB



Date: 27.NOV.2020 11:39:20

Highest Band Edge / Full RB

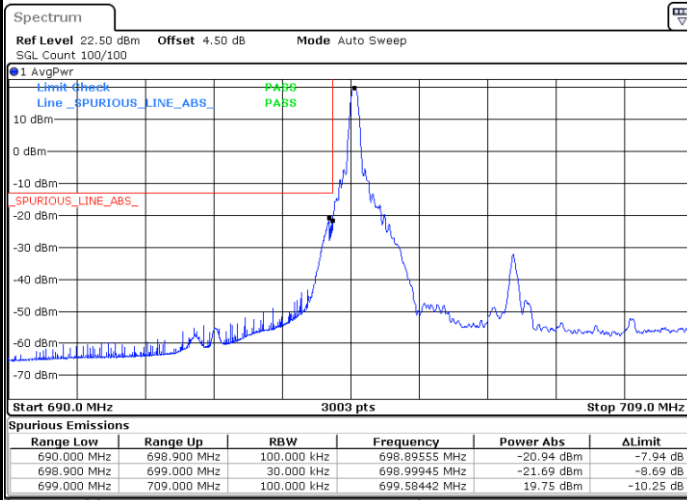


Date: 27.NOV.2020 11:40:27



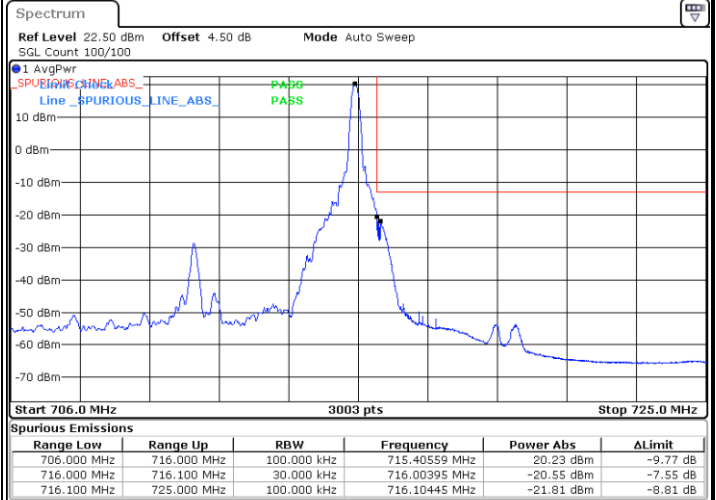
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



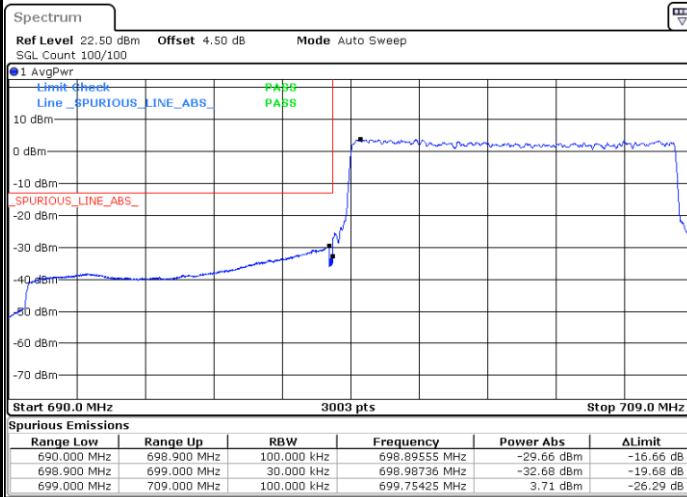
Date: 27.NOV.2020 11:54:44

Highest Band Edge / 1 RB



Date: 27.NOV.2020 12:00:21

Lowest Band Edge / Full RB



Date: 27.NOV.2020 11:55:52

Highest Band Edge / Full RB

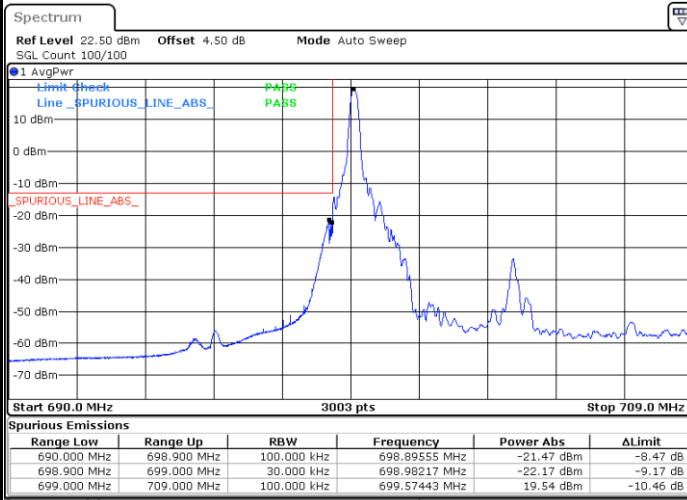


Date: 27.NOV.2020 11:58:14



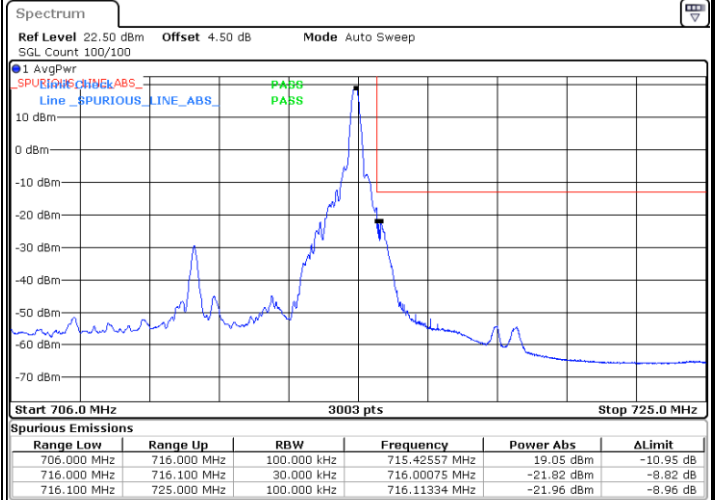
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



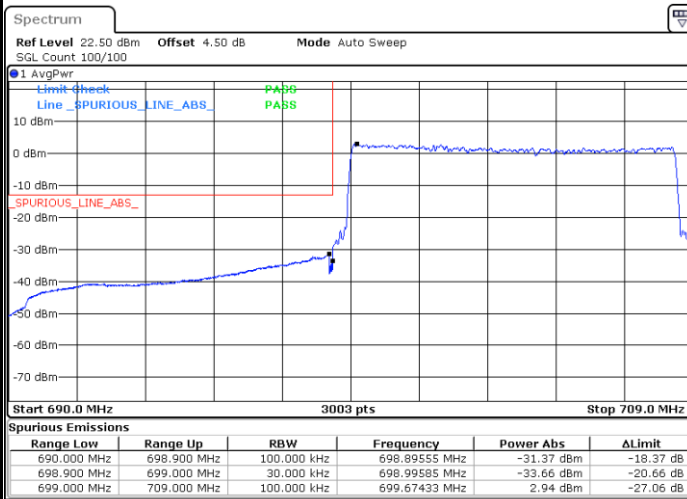
Date: 27.NOV.2020 11:53:37

Highest Band Edge / 1 RB



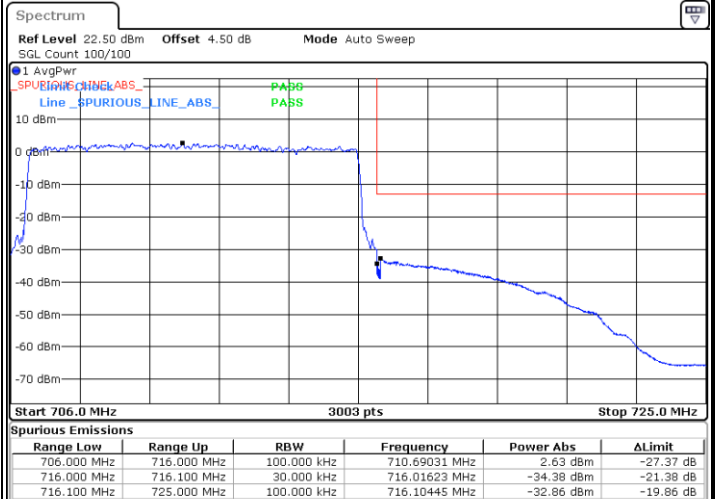
Date: 27.NOV.2020 12:01:29

Lowest Band Edge / Full RB



Date: 27.NOV.2020 11:56:59

Highest Band Edge / Full RB

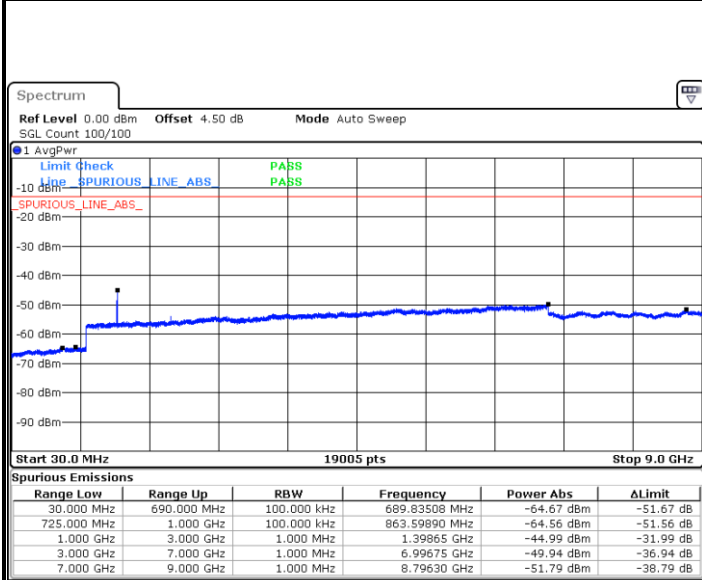


Date: 27.NOV.2020 11:58:07



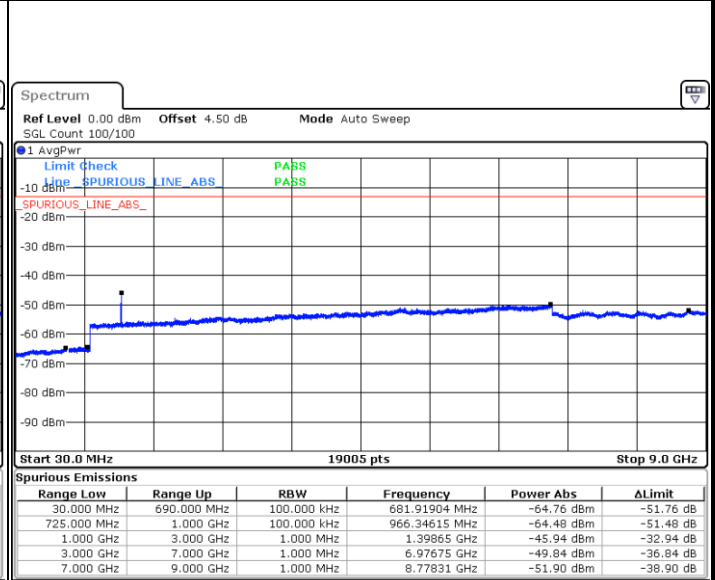
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



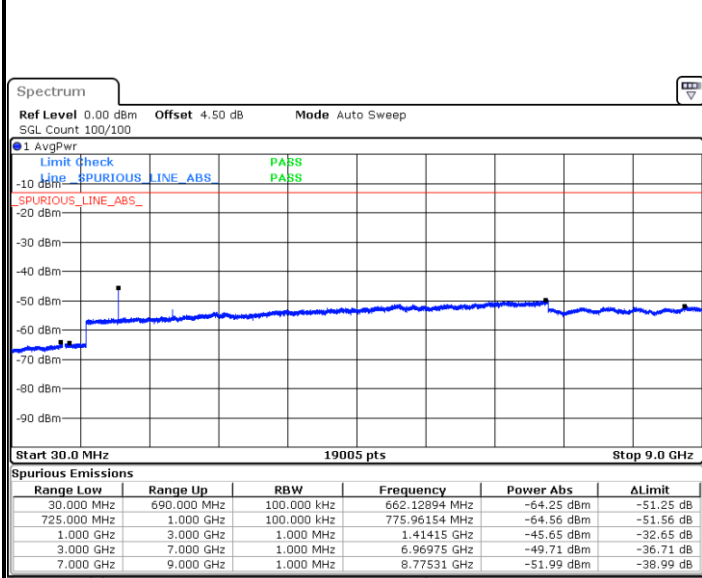
Date: 27.NOV.2020 10:55:11

Lowest Channel / 16QAM



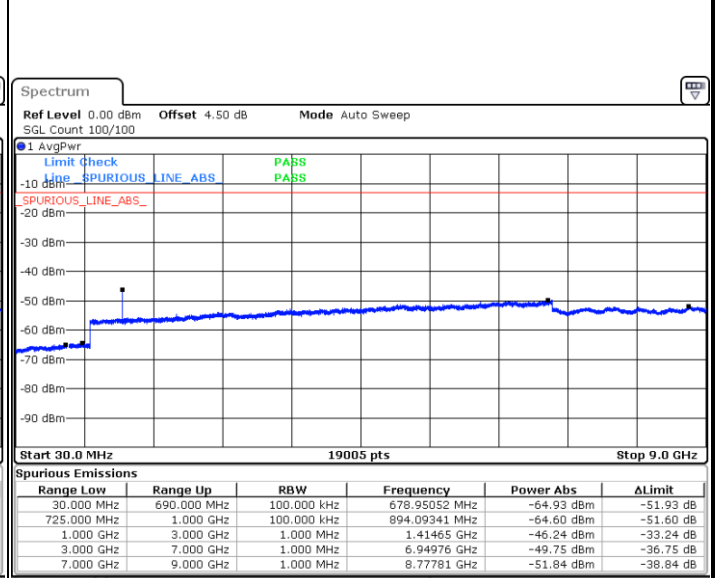
Date: 27.NOV.2020 10:56:05

Middle Channel / QPSK



Date: 27.NOV.2020 10:57:54

Middle Channel / 16QAM

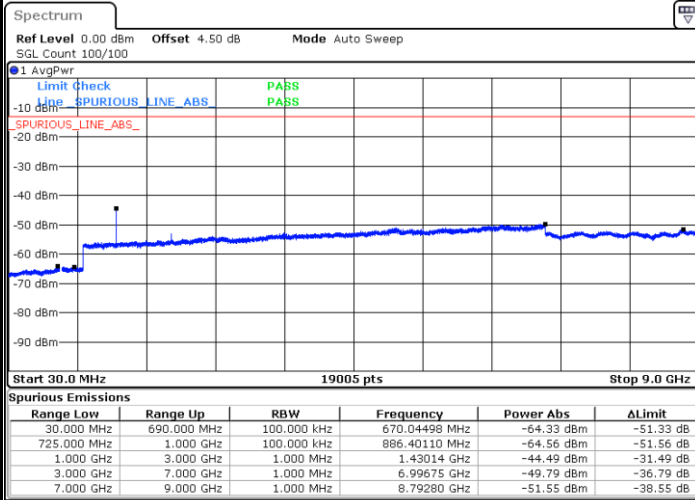


Date: 27.NOV.2020 10:57:00



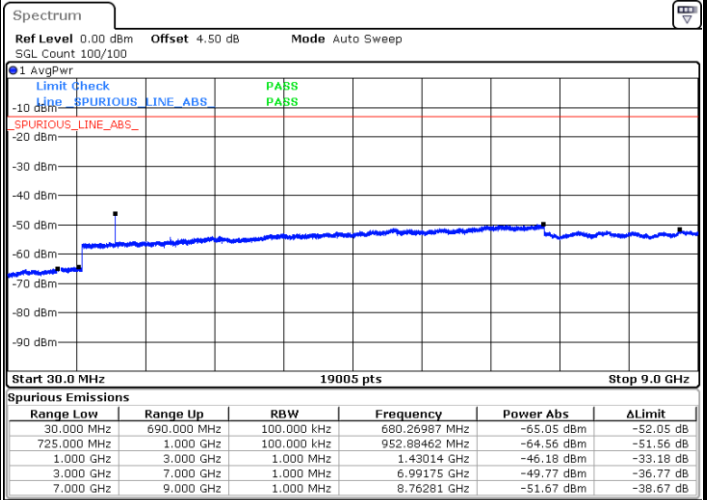
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 27.NOV.2020 10:58:48

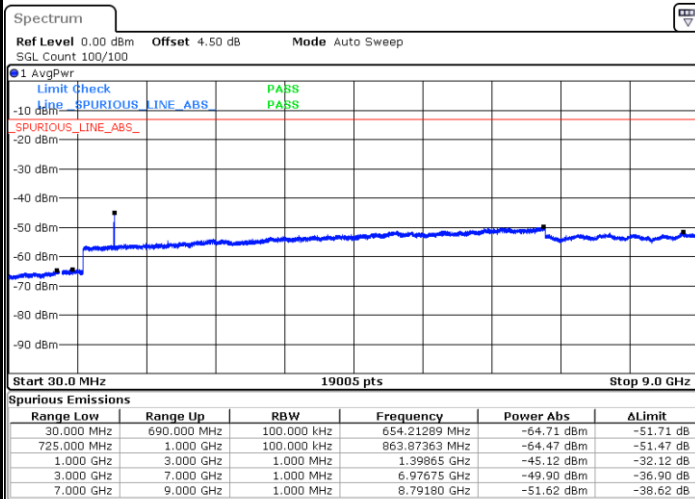
Highest Channel / 16QAM



Date: 27.NOV.2020 10:59:42

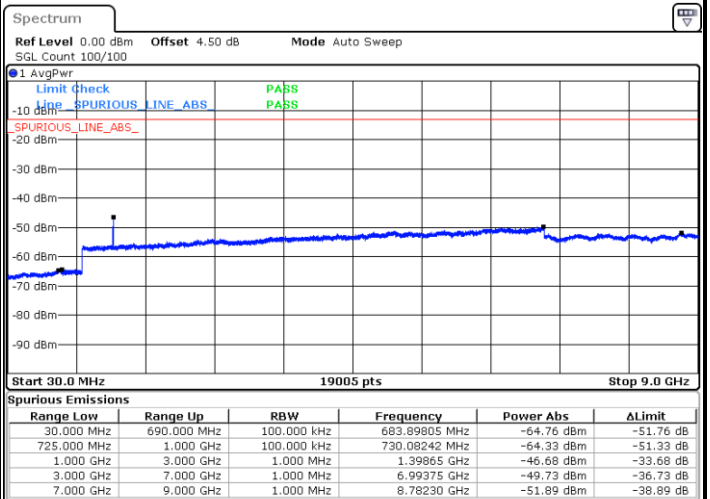
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 27.NOV.2020 11:12:57

Lowest Channel / 16QAM

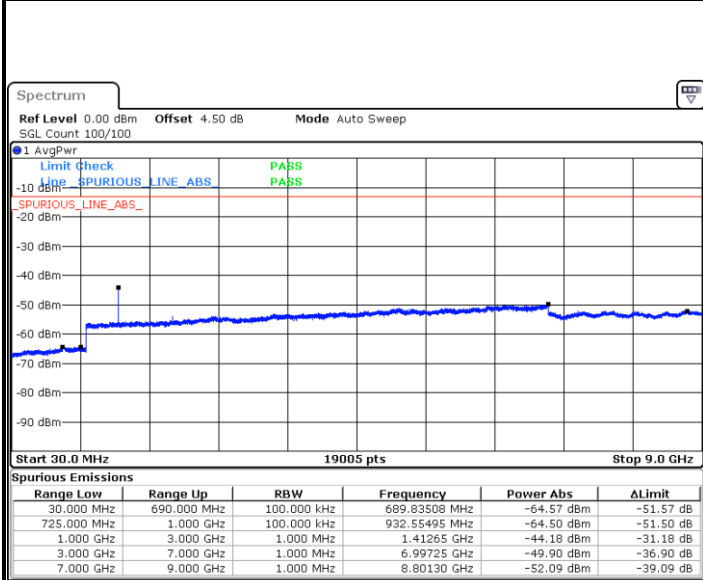


Date: 27.NOV.2020 11:13:51



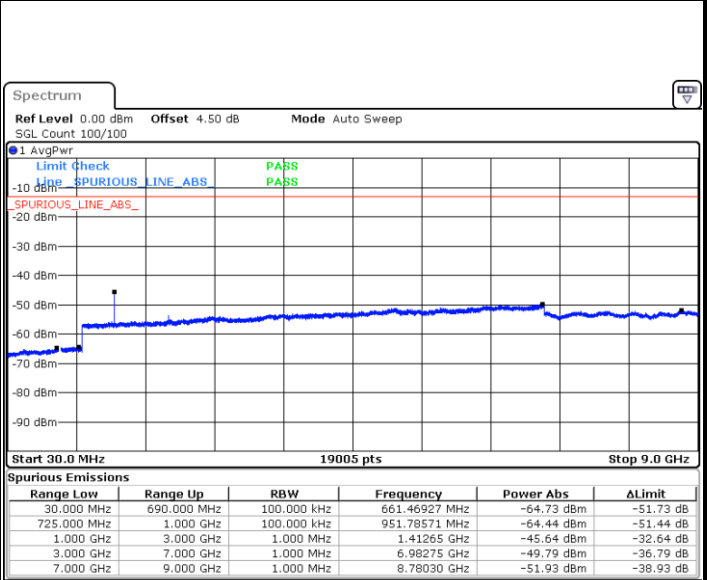
LTE Band 12 / 3MHz

Middle Channel / QPSK



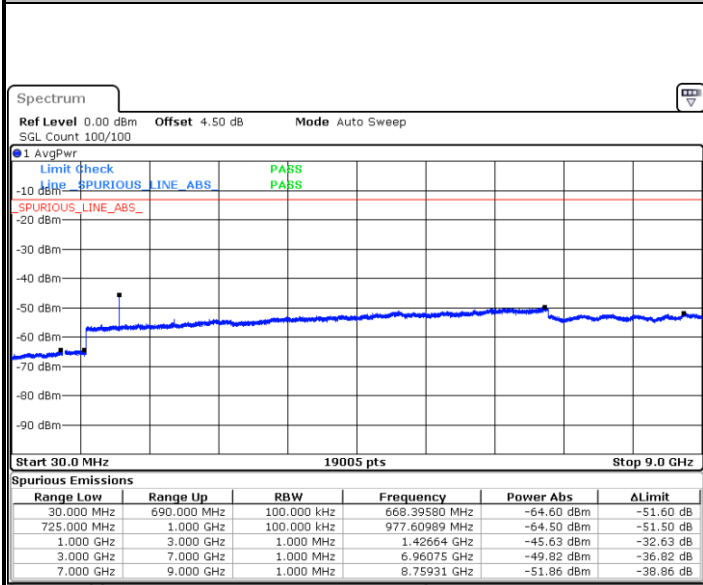
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Middle Channel / 16QAM



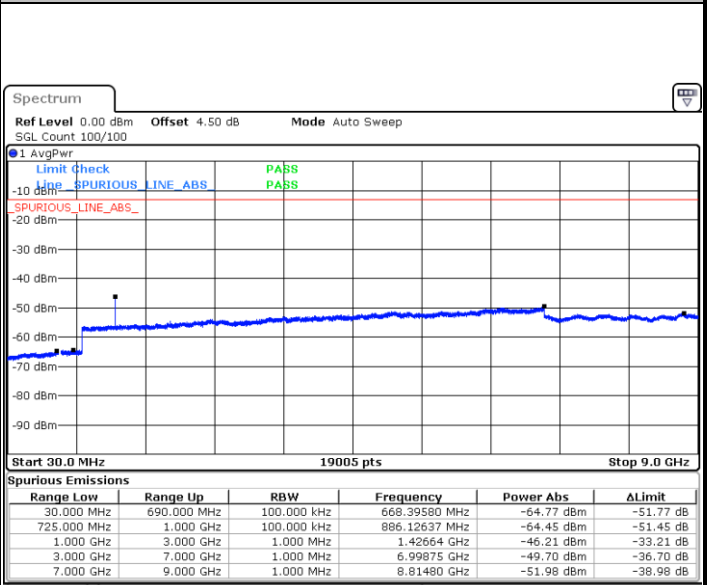
Date: 27.NOV.2020 11:14:46

Highest Channel / QPSK



Date: 27.NOV.2020 11:16:34

Highest Channel / 16QAM



Date: 27.NOV.2020 11:17:28