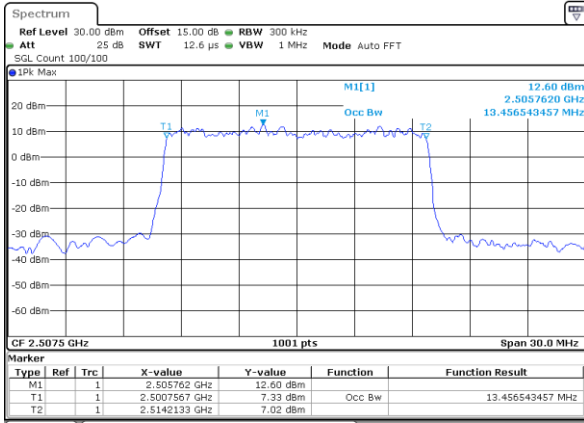




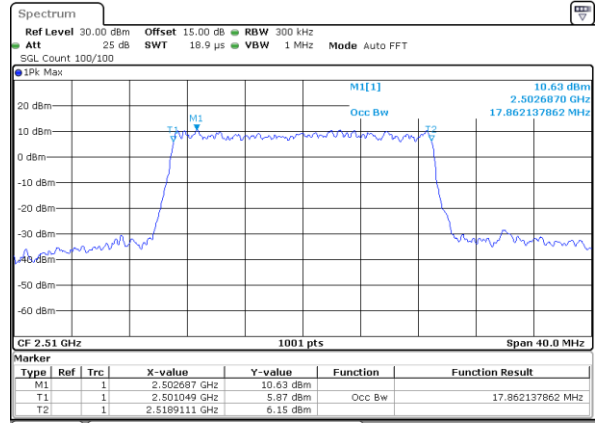
LTE Band 7

Lowest Channel / 15MHz / 64QAM



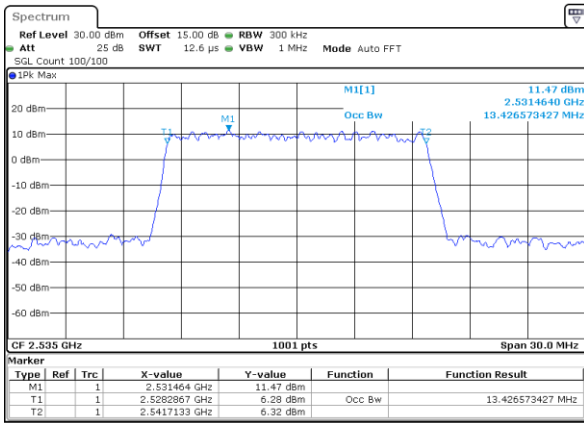
Date: 21. DEC. 2020 03:17:37

Lowest Channel / 20MHz / 64QAM



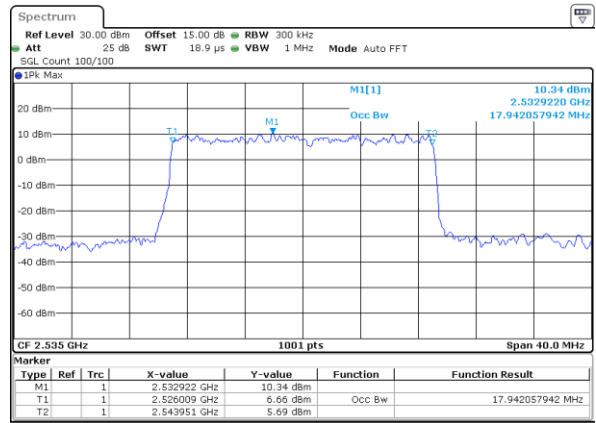
Date: 21. DEC. 2020 03:15:49

Middle Channel / 15MHz / 64QAM



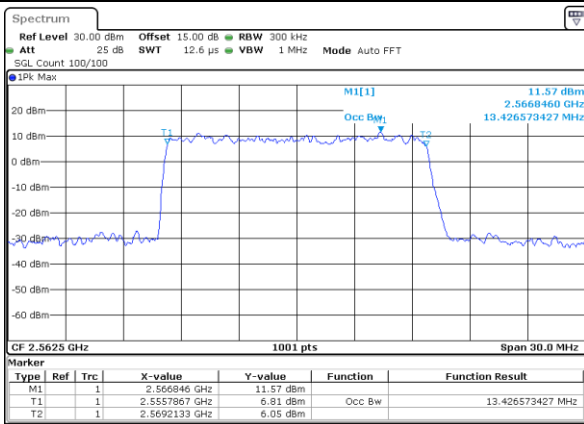
Date: 21. DEC. 2020 03:32:37

Middle Channel / 20MHz / 64QAM



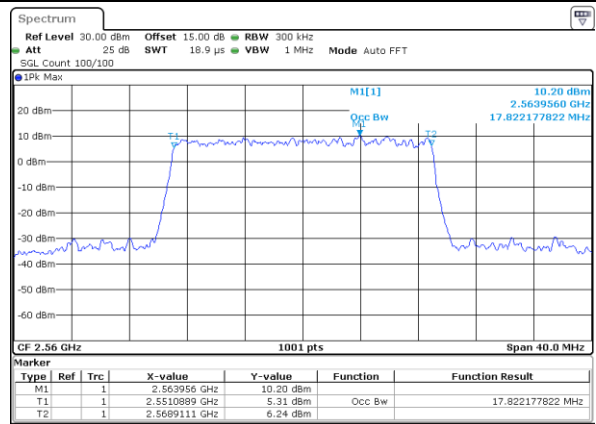
Date: 21. DEC. 2020 04:15:32

Highest Channel / 15MHz / 64QAM



Date: 21. DEC. 2020 03:38:04

Highest Channel / 20MHz / 64QAM



Date: 21. DEC. 2020 04:17:01

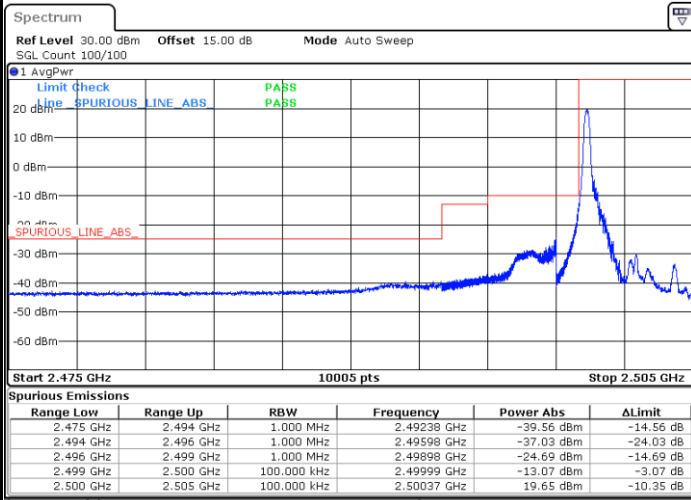


Conducted Band Edge



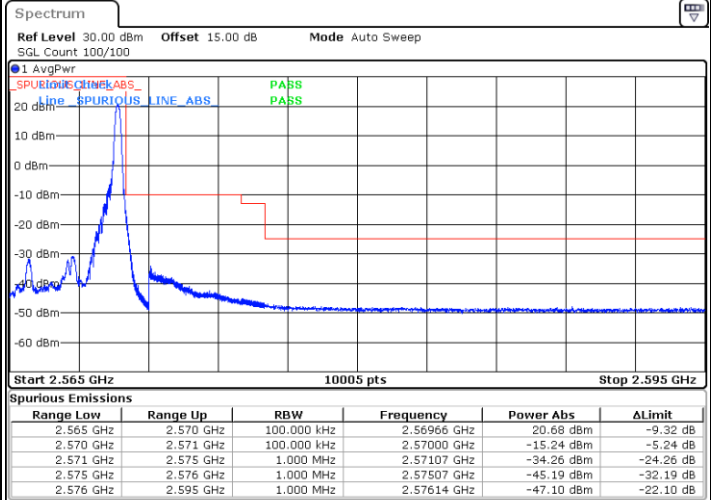
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



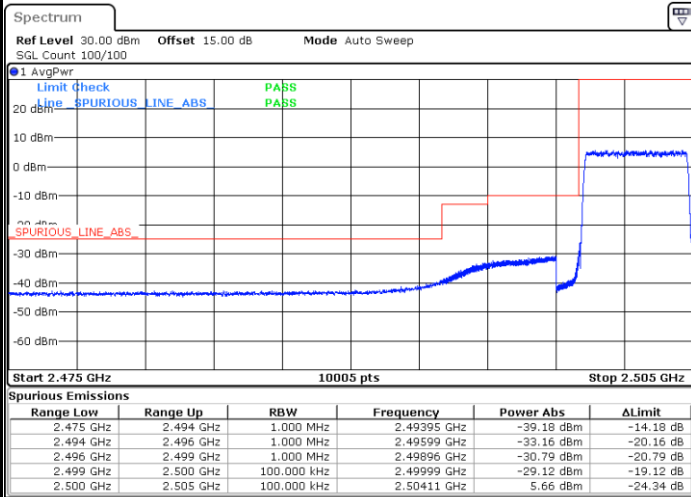
Date: 21.DEC.2020 01:59:06

Highest Band Edge / 1 RB



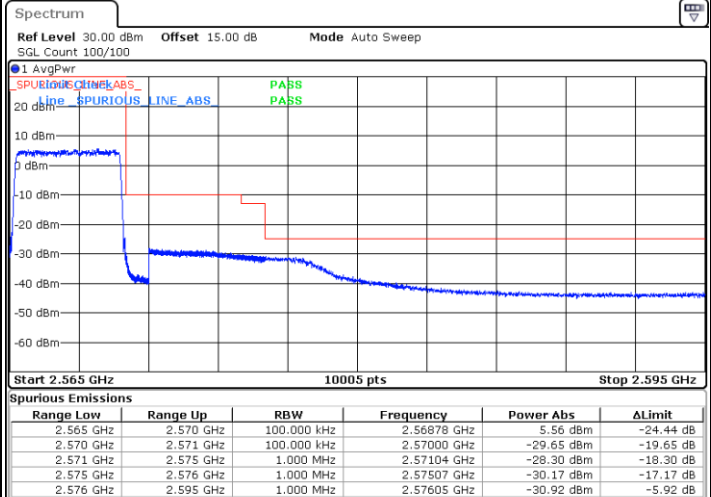
Date: 30.DEC.2020 09:04:15

Lowest Band Edge / Full RB



Date: 21.DEC.2020 01:49:00

Highest Band Edge / Full RB

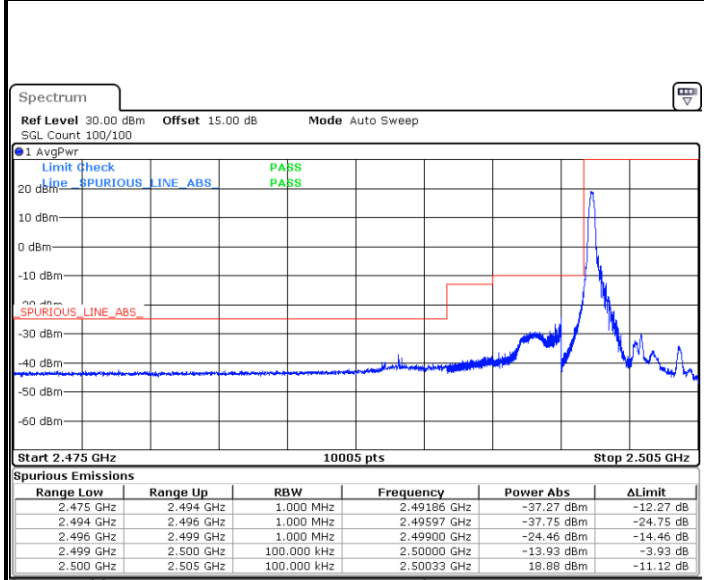


Date: 21.DEC.2020 02:32:39



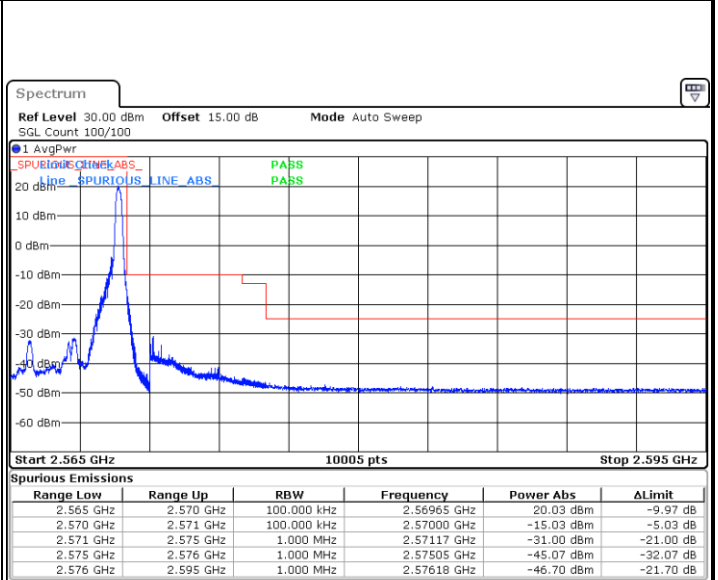
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



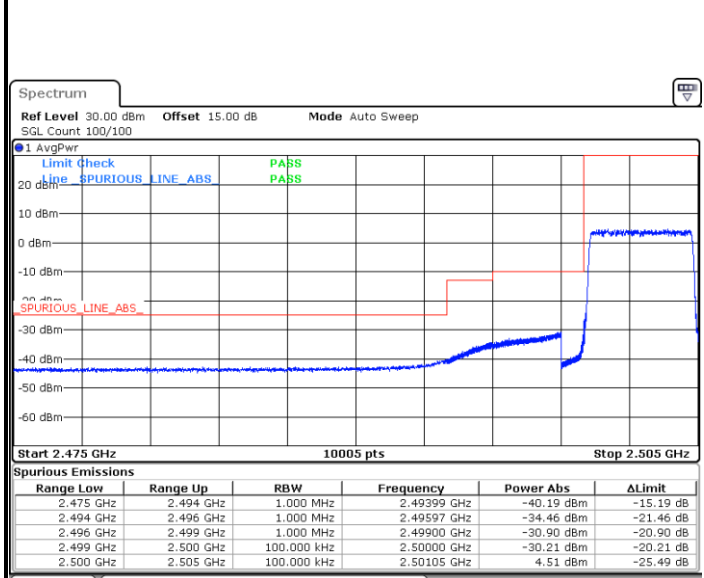
Date: 21.DEC.2020 01:56:38

Highest Band Edge / 1 RB



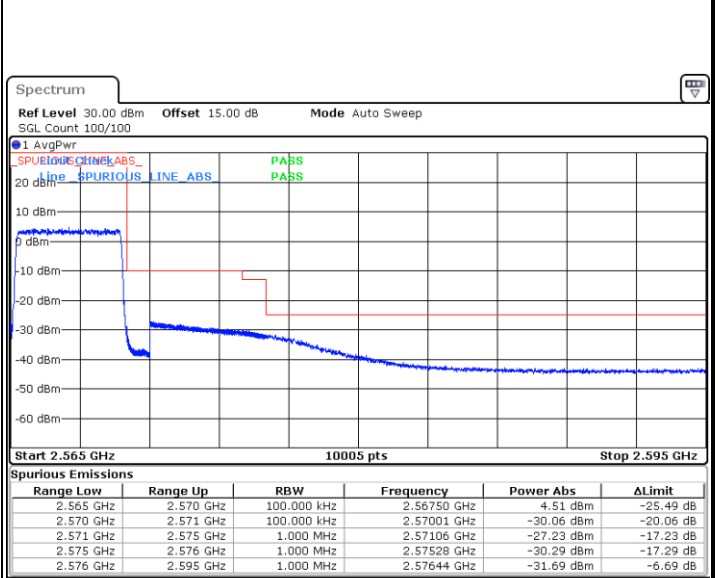
Date: 30.DEC.2020 09:04:37

Lowest Band Edge / Full RB



Date: 21.DEC.2020 01:50:53

Highest Band Edge / Full RB

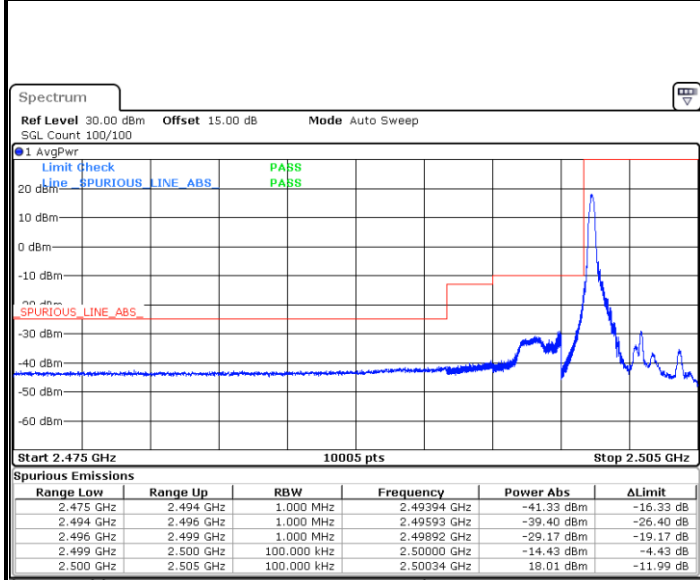


Date: 21.DEC.2020 02:31:47



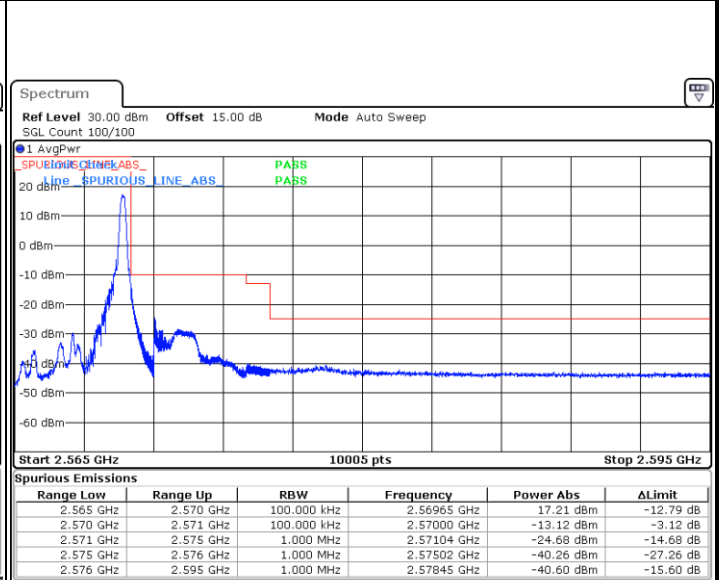
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



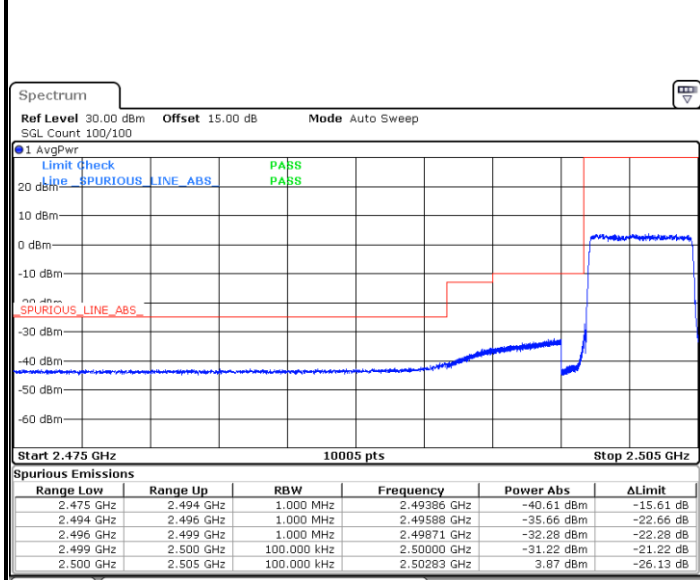
Date: 21.DEC.2020 01:54:11

Highest Band Edge / 1 RB



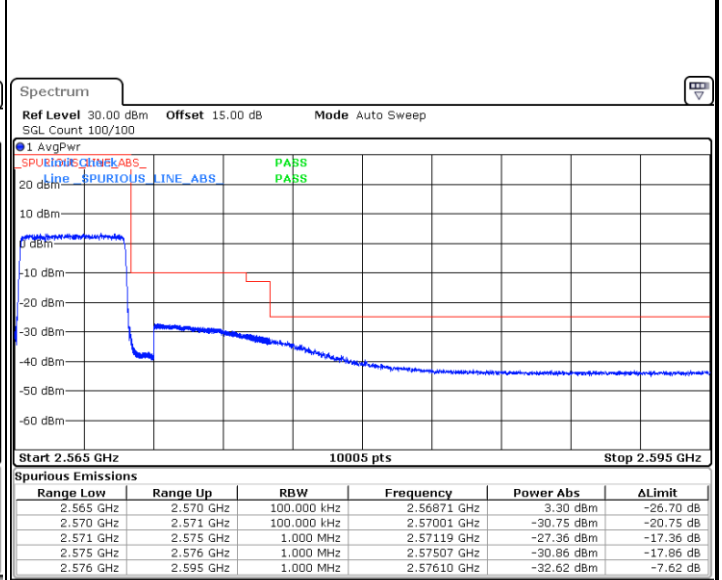
Date: 21.DEC.2020 02:28:52

Lowest Band Edge / Full RB



Date: 21.DEC.2020 01:52:47

Highest Band Edge / Full RB

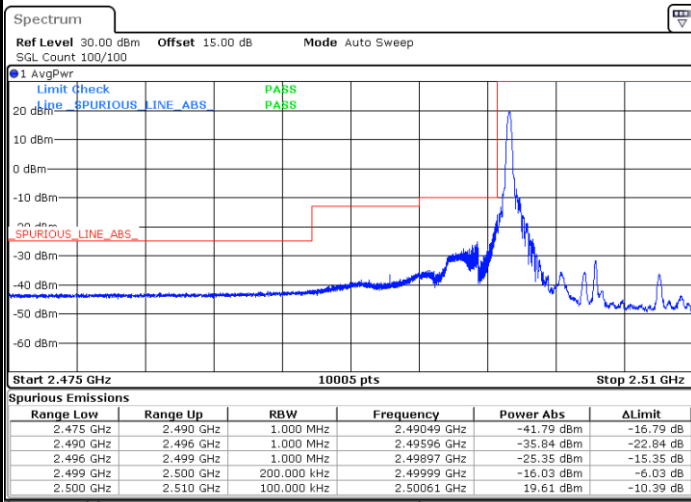


Date: 21.DEC.2020 02:30:28



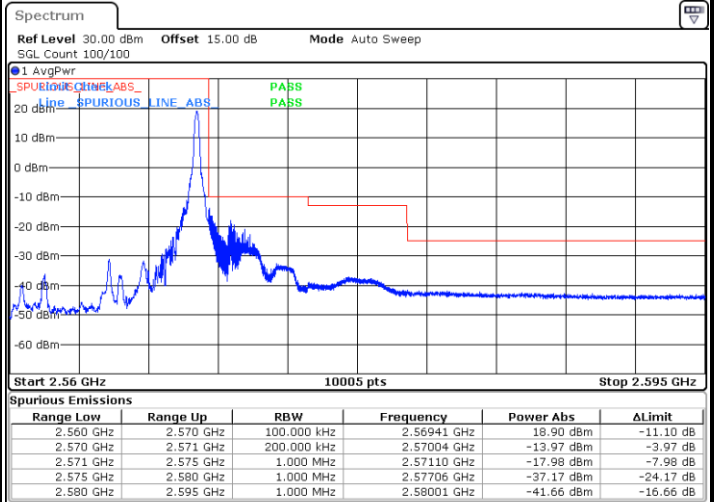
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



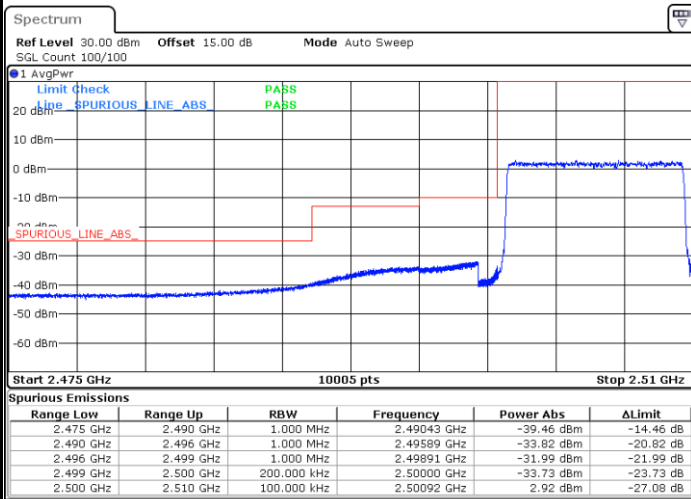
Date: 21.DEC.2020 02:44:43

Highest Band Edge / 1 RB



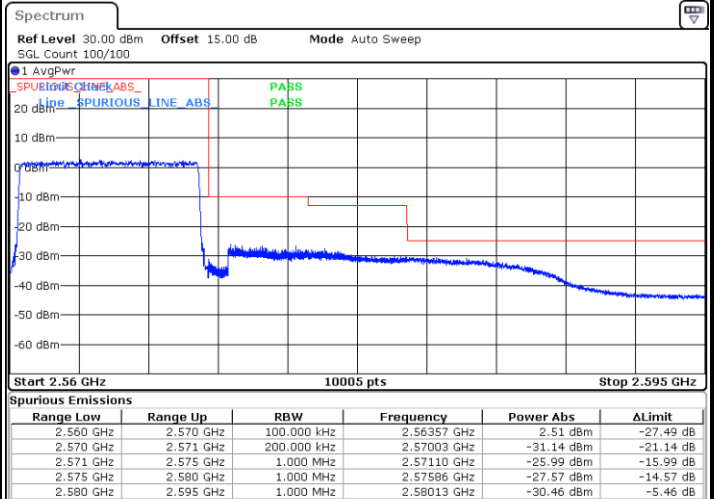
Date: 21.DEC.2020 03:08:11

Lowest Band Edge / Full RB



Date: 21.DEC.2020 02:35:41

Highest Band Edge / Full RB

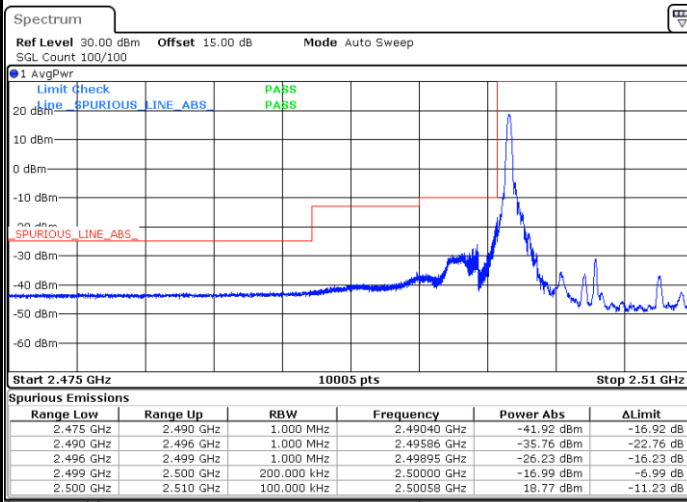


Date: 21.DEC.2020 03:13:07



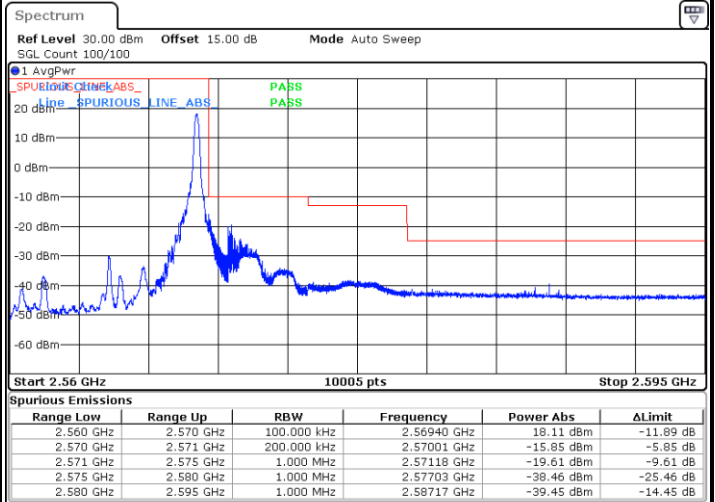
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



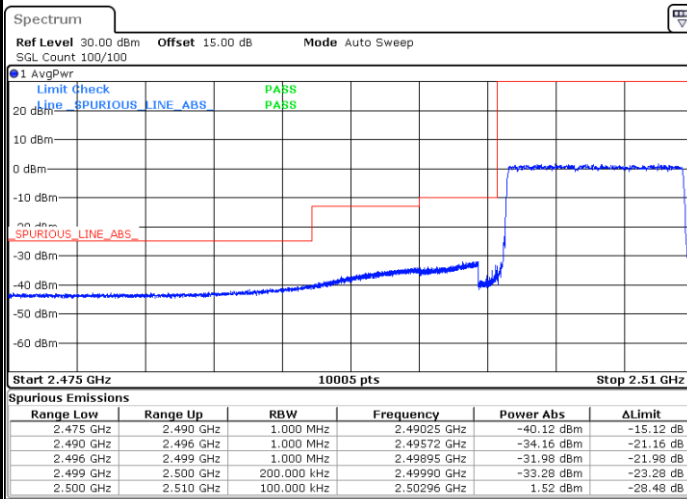
Date: 21.DEC.2020 02:42:34

Highest Band Edge / 1 RB



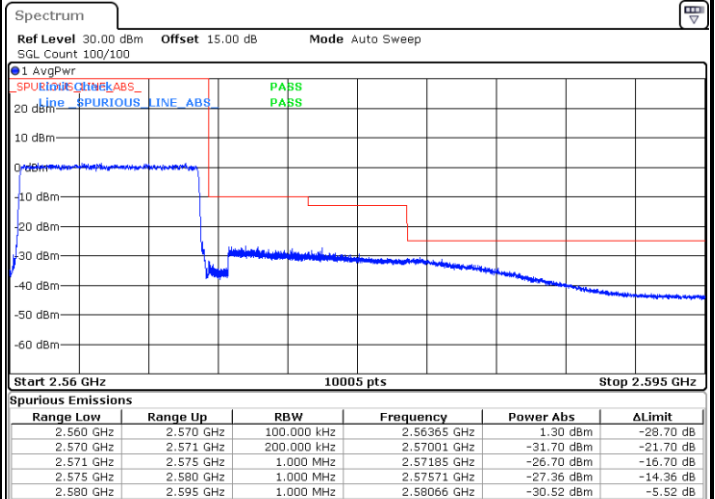
Date: 21.DEC.2020 03:09:05

Lowest Band Edge / Full RB



Date: 21.DEC.2020 02:36:58

Highest Band Edge / Full RB

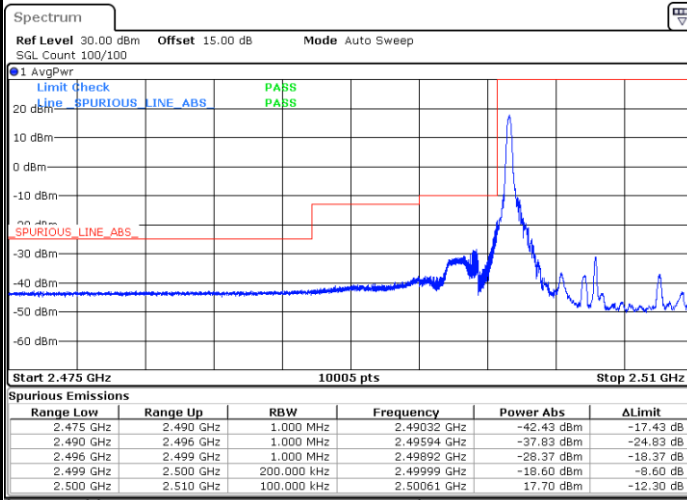


Date: 21.DEC.2020 03:12:33



LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



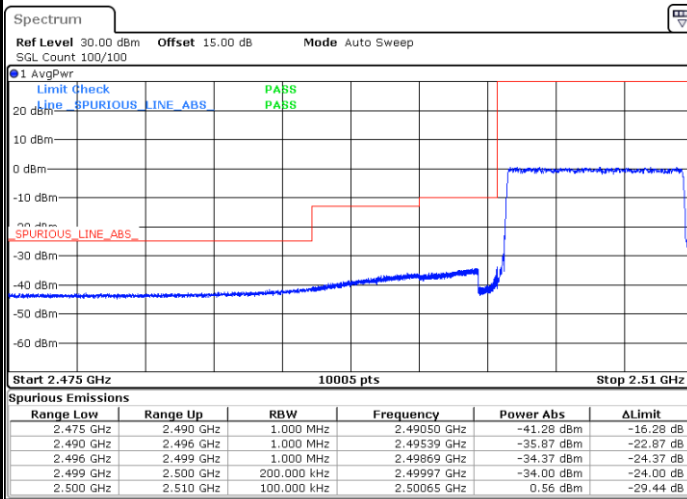
Date: 21.DEC.2020 02:40:02

Highest Band Edge / 1 RB



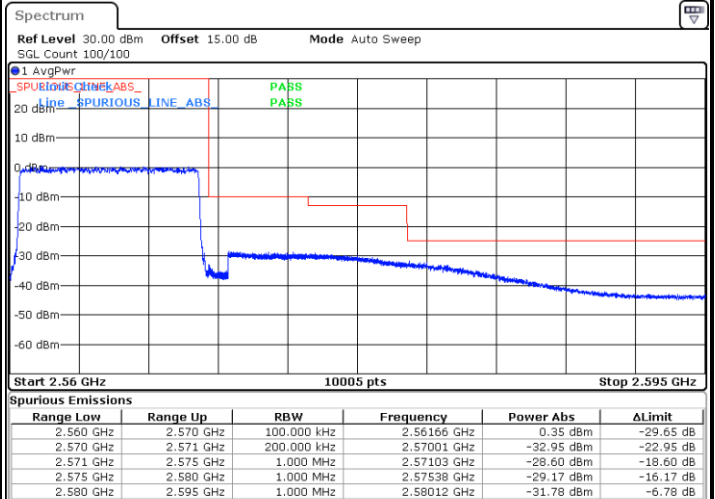
Date: 21.DEC.2020 03:09:48

Lowest Band Edge / Full RB



Date: 21.DEC.2020 02:39:36

Highest Band Edge / Full RB

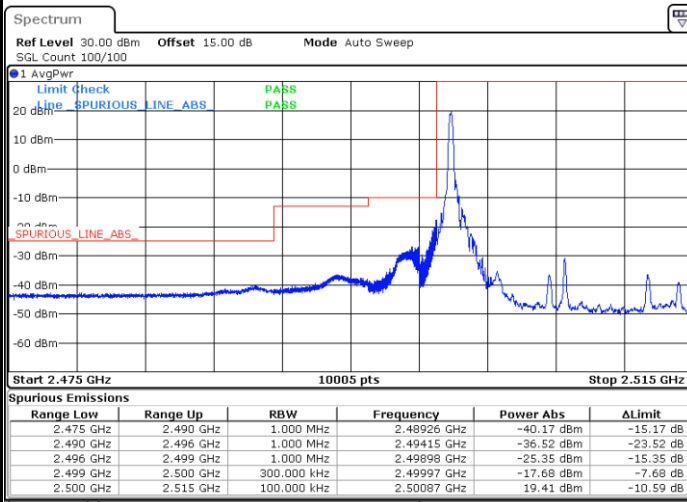


Date: 21.DEC.2020 03:11:22



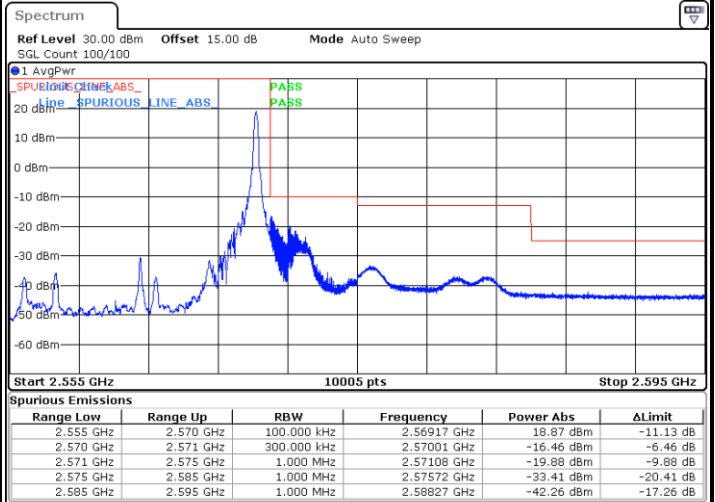
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



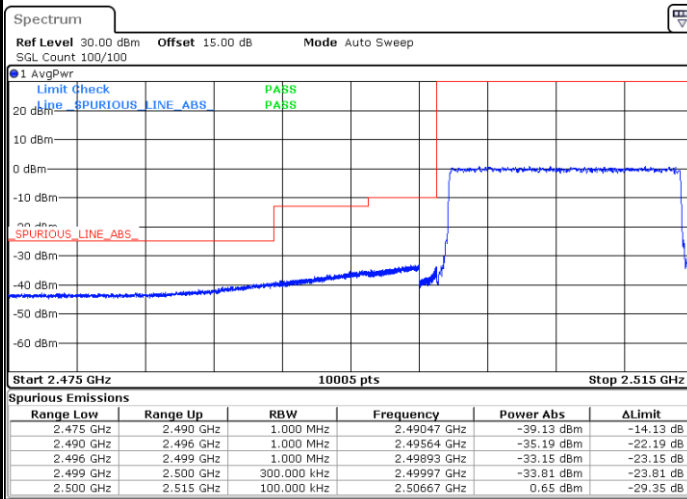
Date: 21.DEC.2020 03:25:14

Highest Band Edge / 1 RB



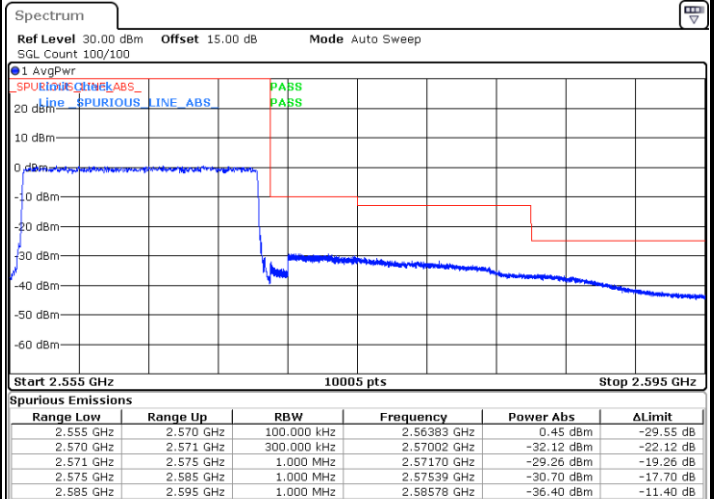
Date: 21.DEC.2020 03:47:30

Lowest Band Edge / Full RB



Date: 21.DEC.2020 03:16:05

Highest Band Edge / Full RB

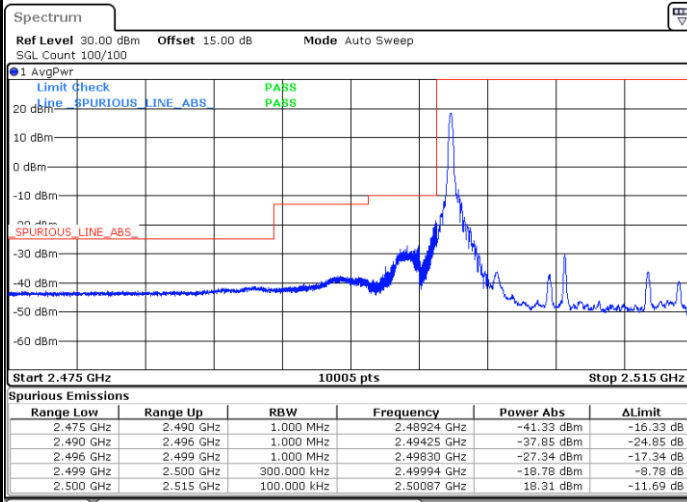


Date: 21.DEC.2020 03:36:32



LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



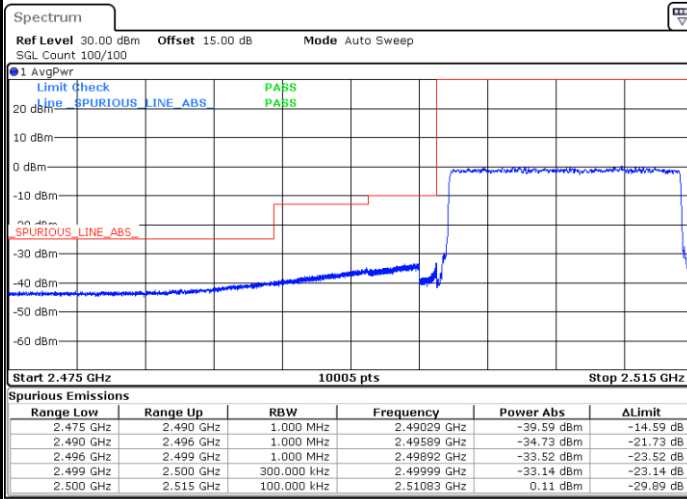
Date: 21.DEC.2020 03:23:36

Highest Band Edge / 1 RB



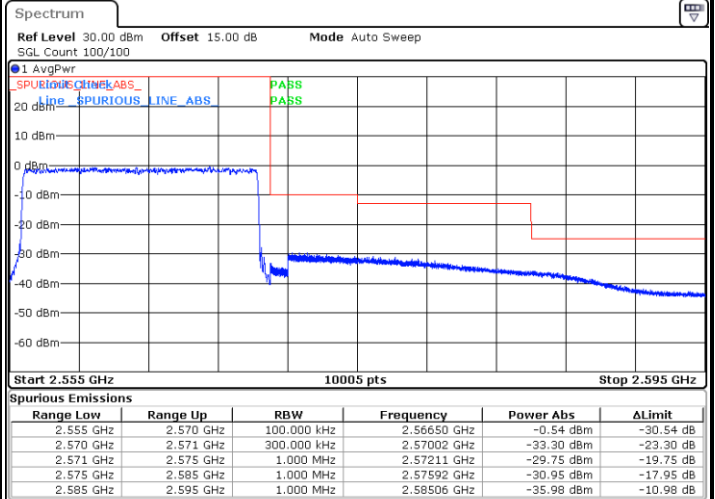
Date: 21.DEC.2020 03:47:54

Lowest Band Edge / Full RB



Date: 21.DEC.2020 03:17:06

Highest Band Edge / Full RB

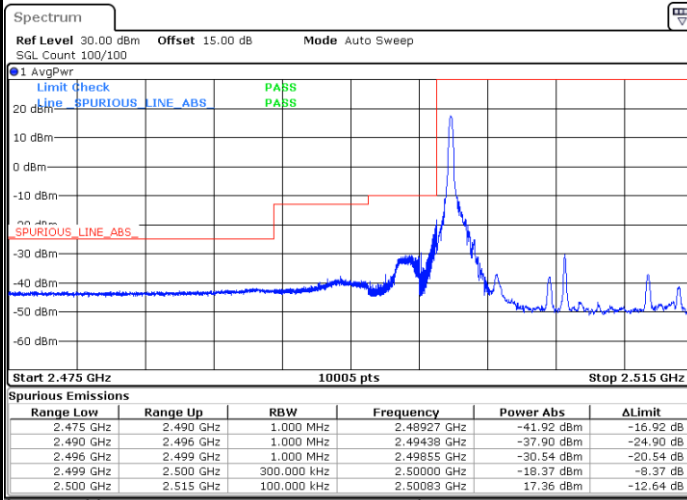


Date: 21.DEC.2020 03:37:37



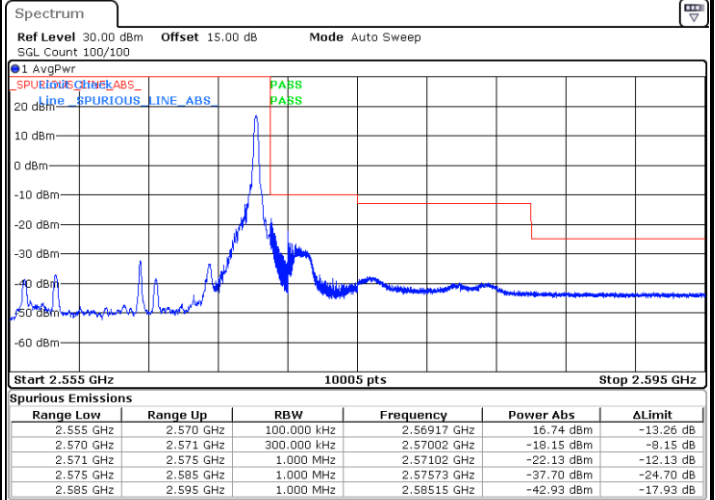
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



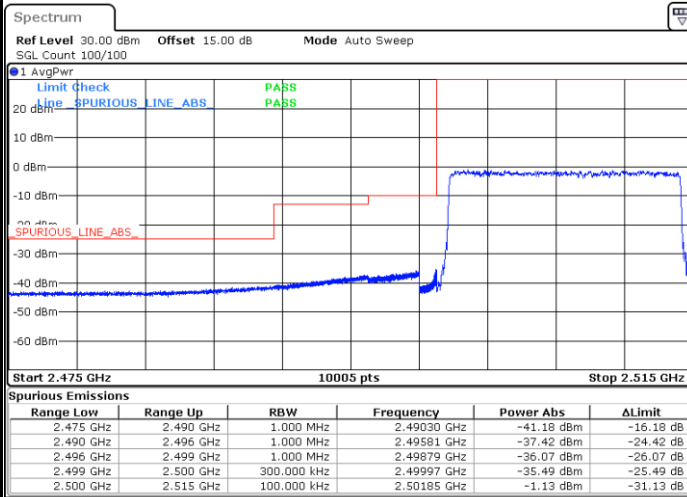
Date: 21.DEC.2020 03:21:48

Highest Band Edge / 1 RB



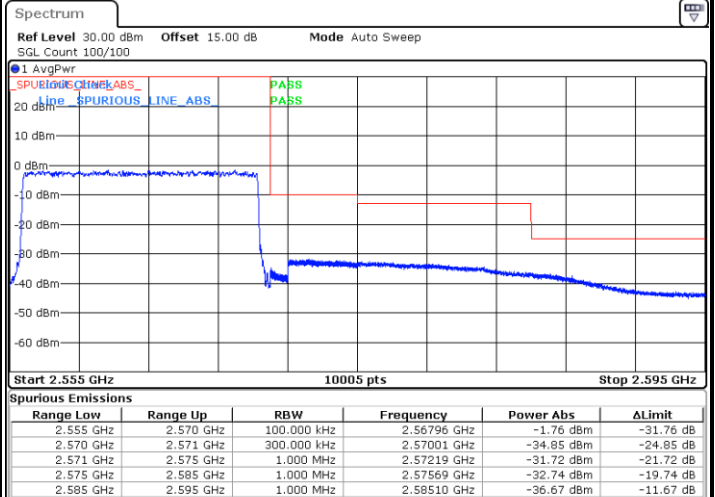
Date: 21.DEC.2020 03:48:21

Lowest Band Edge / Full RB



Date: 21.DEC.2020 03:19:33

Highest Band Edge / Full RB



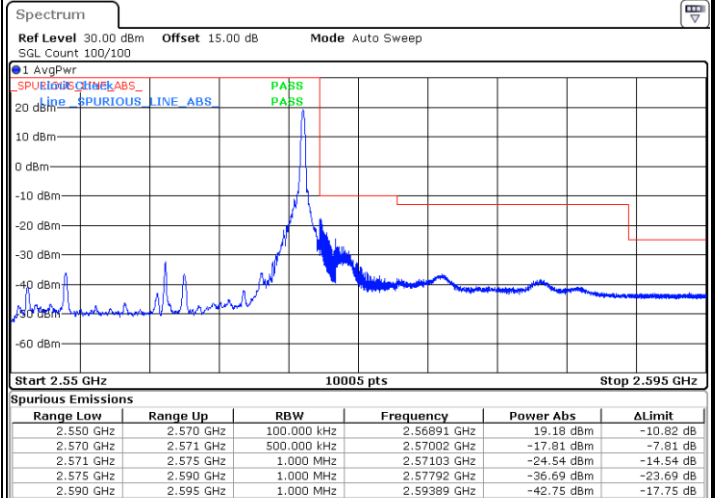
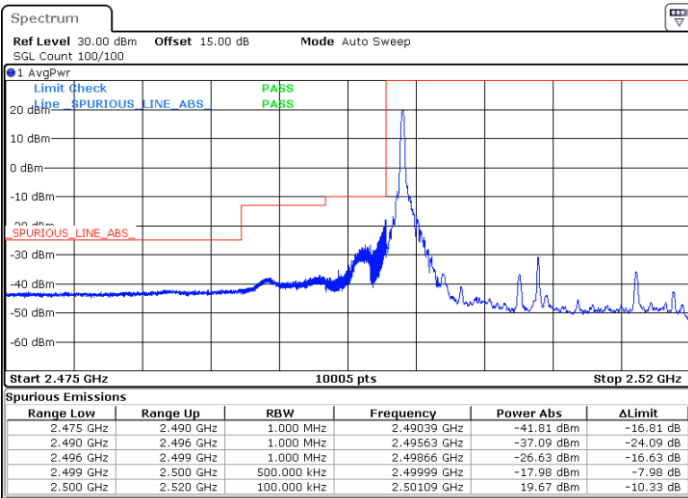
Date: 21.DEC.2020 03:39:15



LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

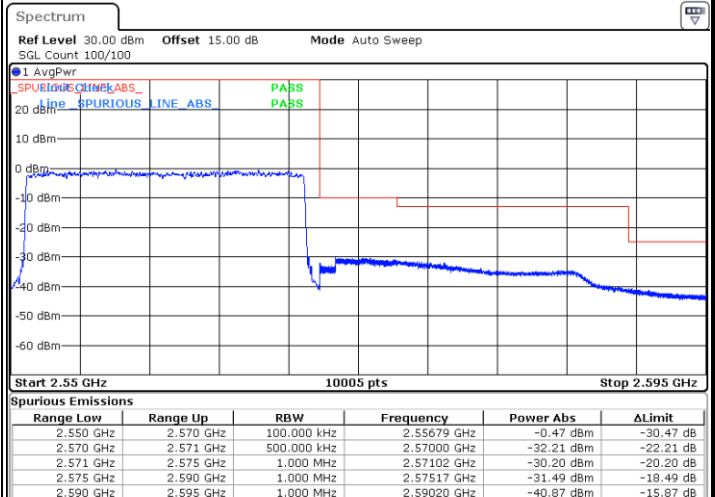
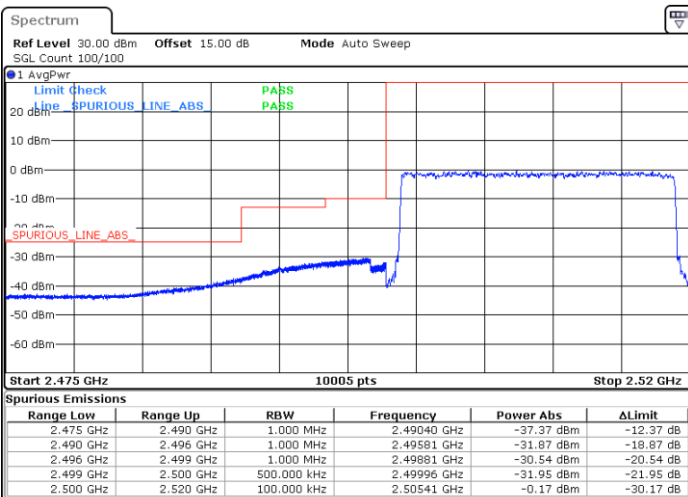


Date: 21.DEC.2020 03:59:02

Date: 21.DEC.2020 04:31:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



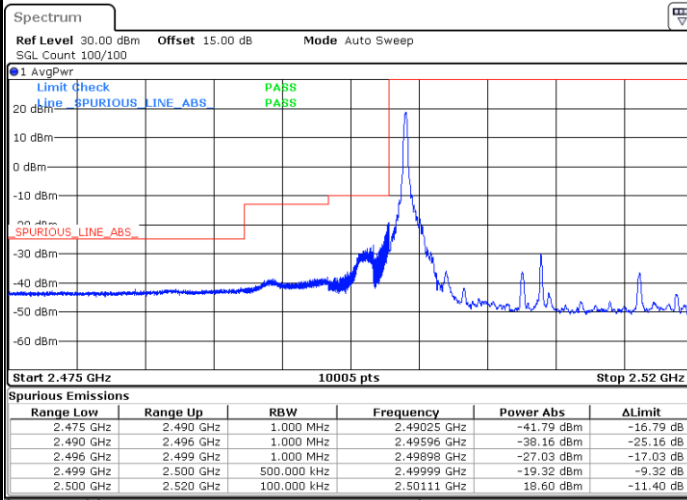
Date: 21.DEC.2020 03:52:43

Date: 21.DEC.2020 04:20:00



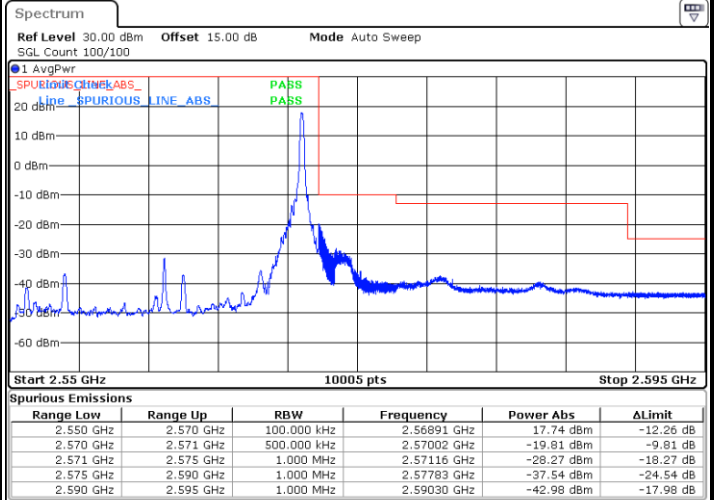
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



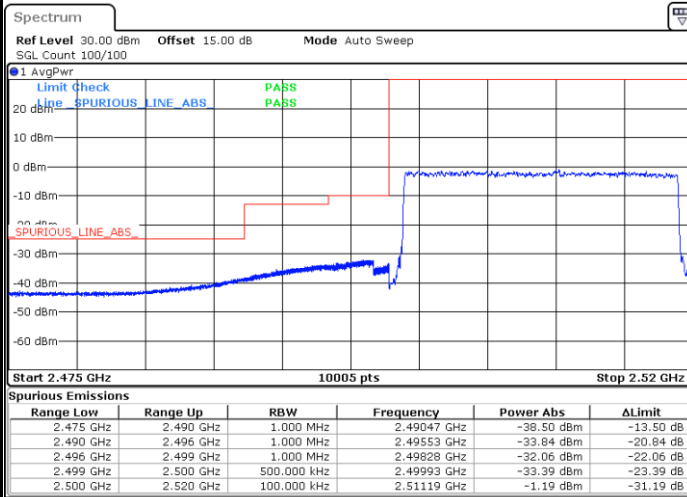
Date: 21.DEC.2020 04:01:09

Highest Band Edge / 1RB



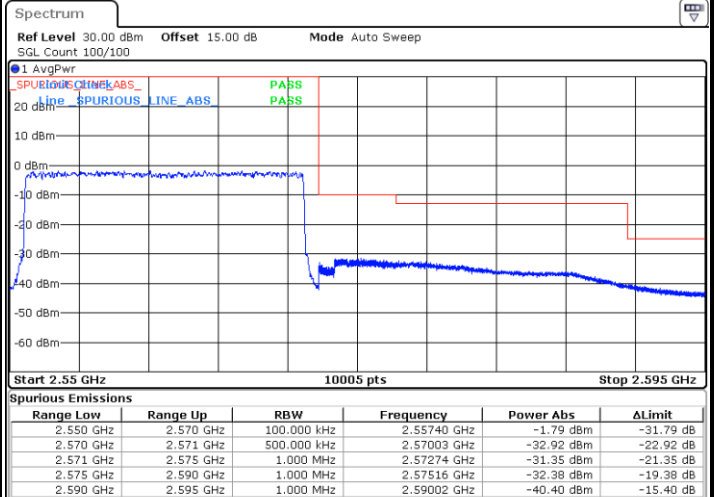
Date: 21.DEC.2020 04:30:52

Lowest Band Edge / Full RB



Date: 21.DEC.2020 03:54:27

Highest Band Edge / Full RB

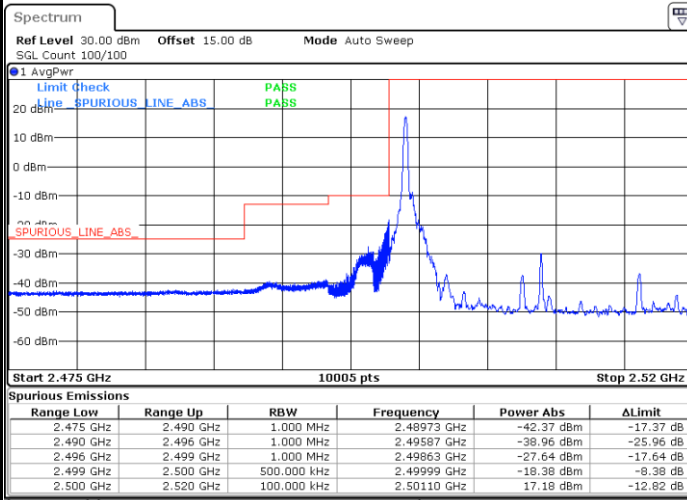


Date: 21.DEC.2020 04:18:26



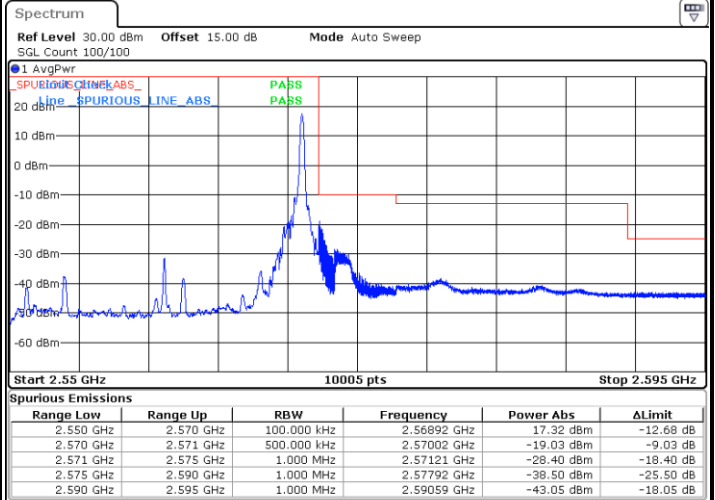
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



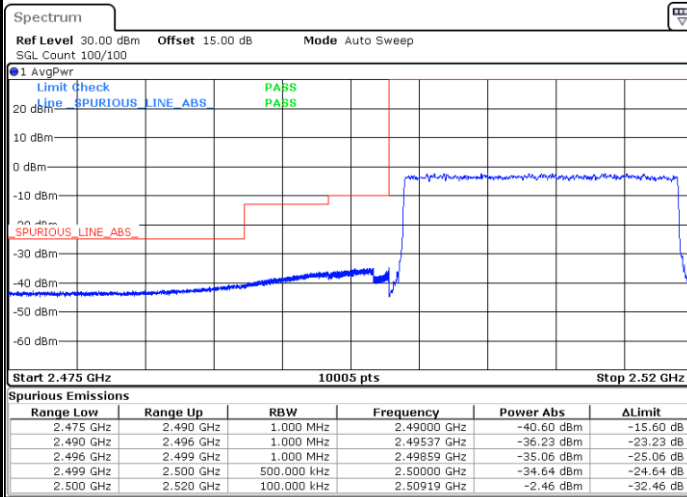
Date: 21.DEC.2020 04:04:27

Highest Band Edge / 1 RB



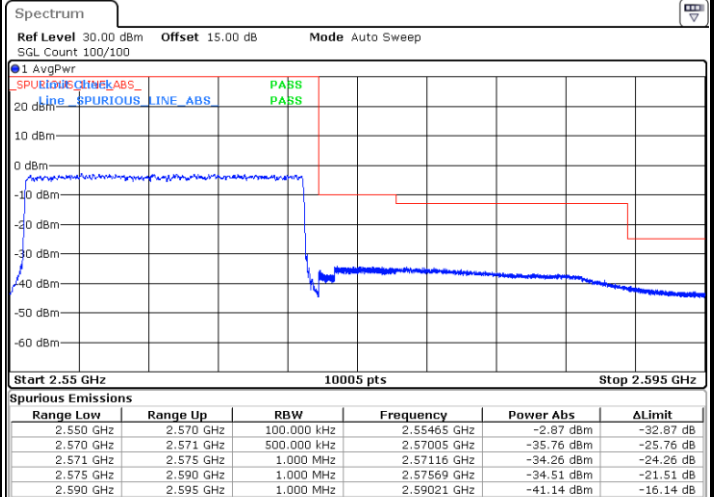
Date: 21.DEC.2020 04:30:30

Lowest Band Edge / Full RB



Date: 21.DEC.2020 03:55:26

Highest Band Edge / Full RB



Date: 21.DEC.2020 04:17:27



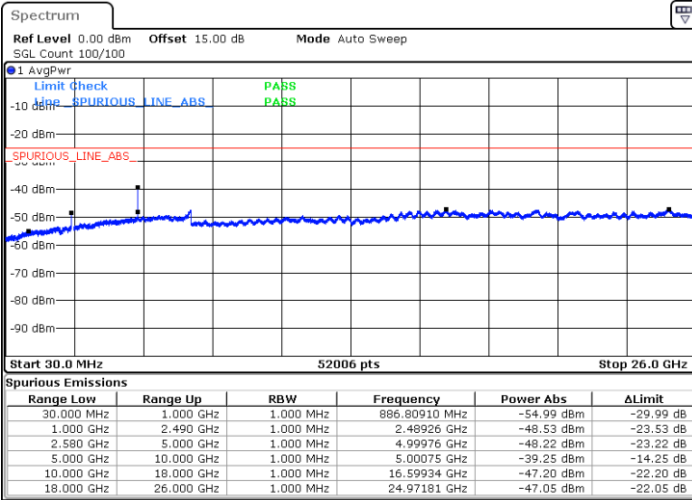
Conducted Spurious Emission



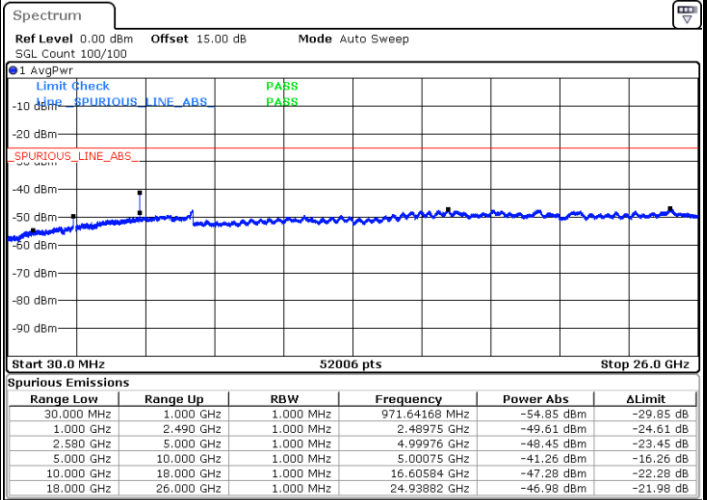
LTE Band 7 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



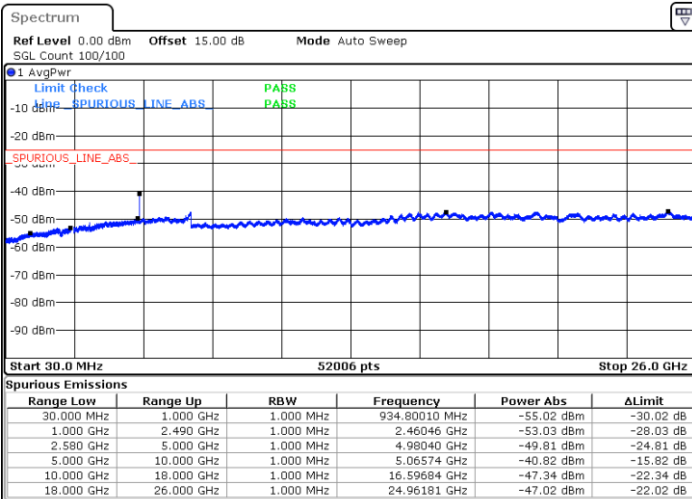
Date: 21.DEC.2020 02:00:29



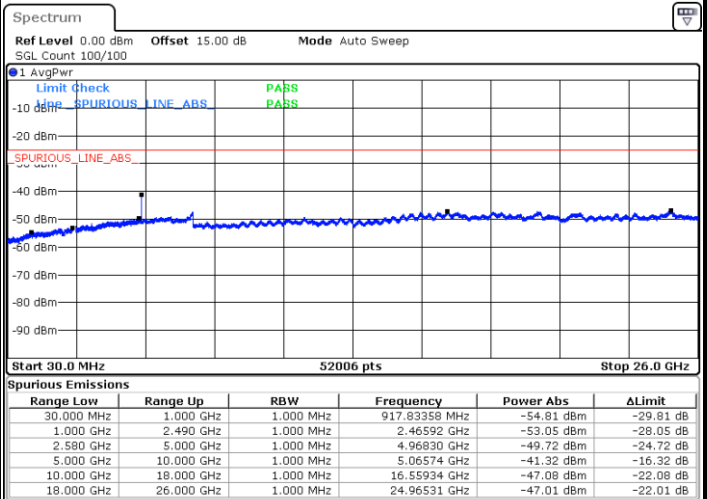
Date: 21.DEC.2020 01:58:00

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 21.DEC.2020 02:03:26

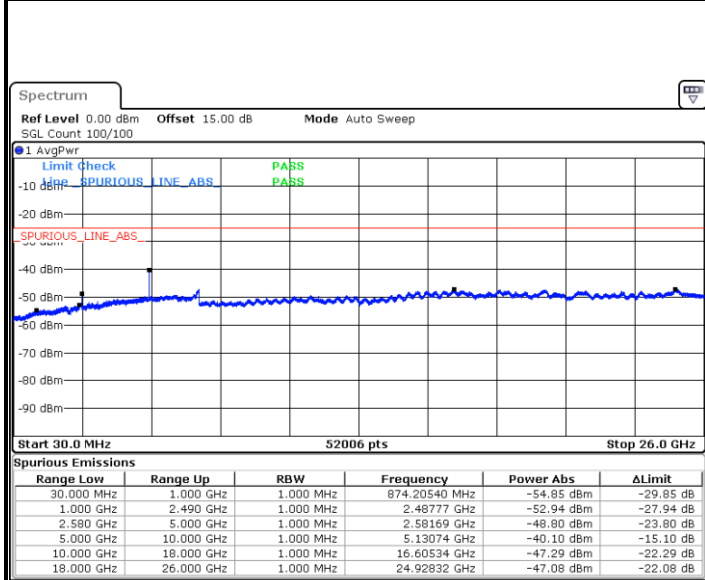


Date: 21.DEC.2020 02:04:53



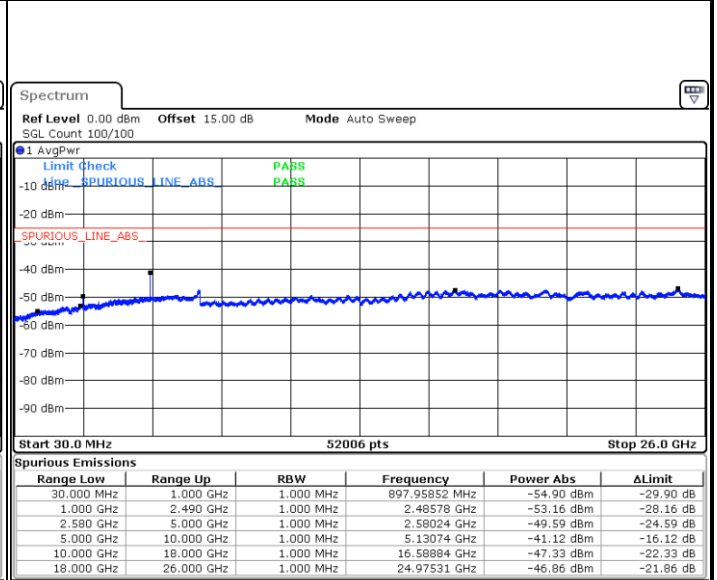
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 21.DEC.2020 02:15:22

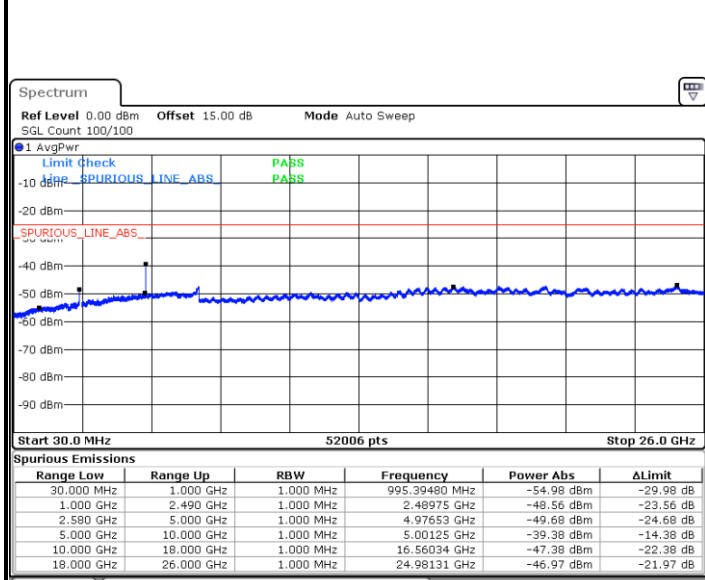
Highest Channel / 16QAM



Date: 21.DEC.2020 02:14:01

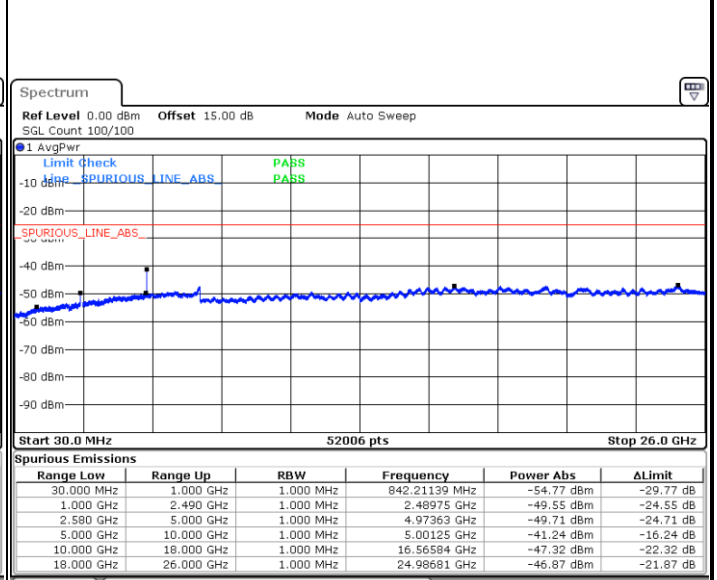
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 21.DEC.2020 02:45:58

Lowest Channel / 16QAM



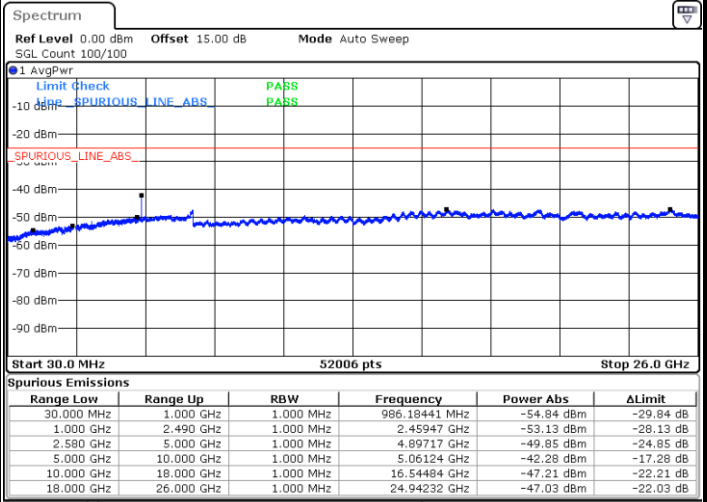
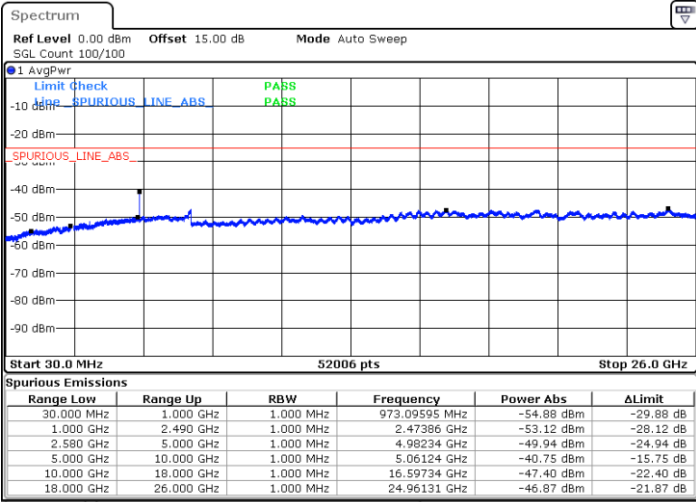
Date: 21.DEC.2020 02:43:55



LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

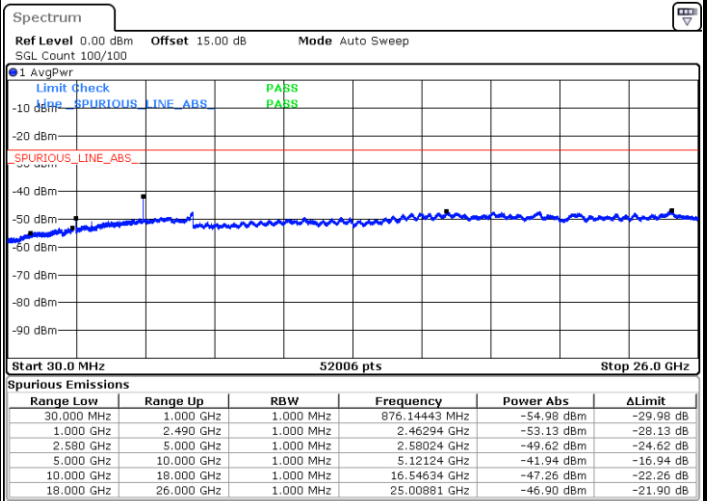
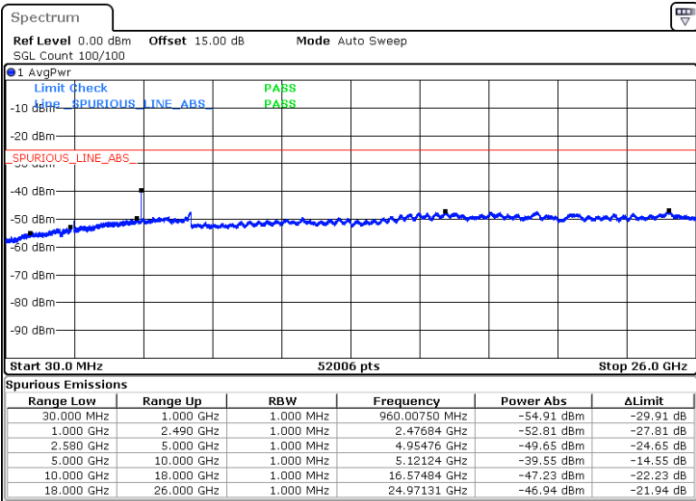


Date: 21.DEC.2020 02:55:26

Date: 21.DEC.2020 02:57:19

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 21.DEC.2020 03:07:30

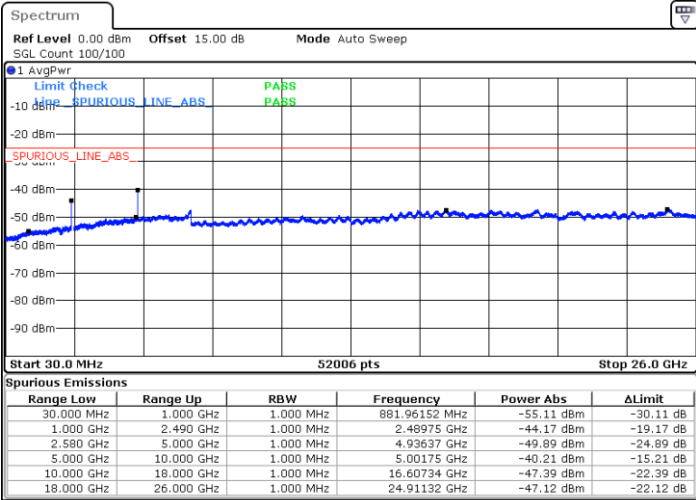
Date: 21.DEC.2020 03:06:08



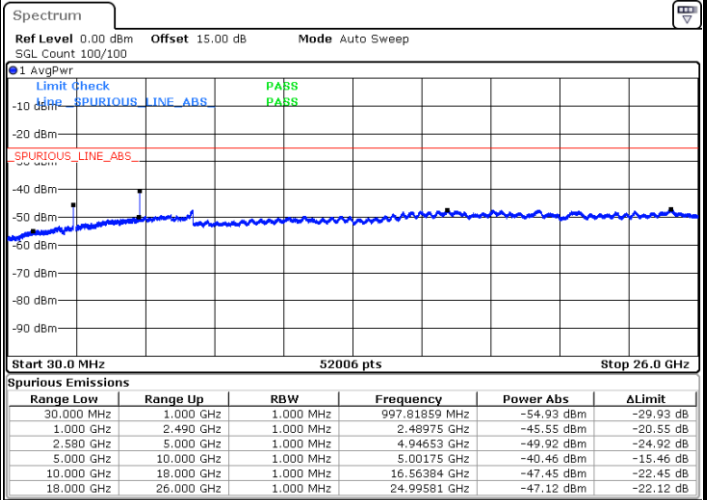
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



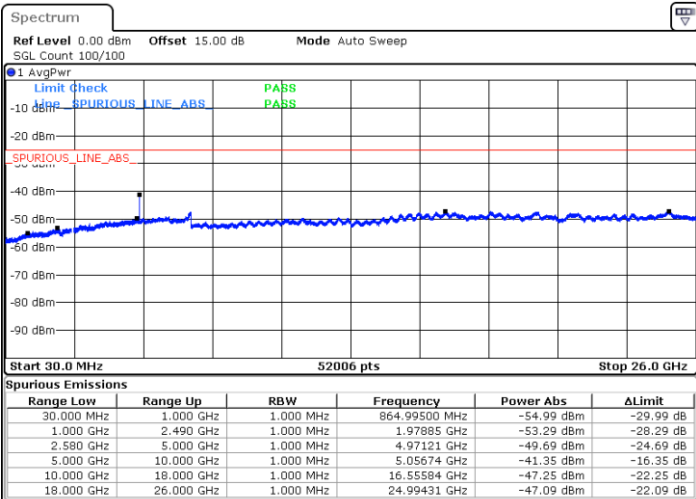
Date: 21.DEC.2020 03:26:30



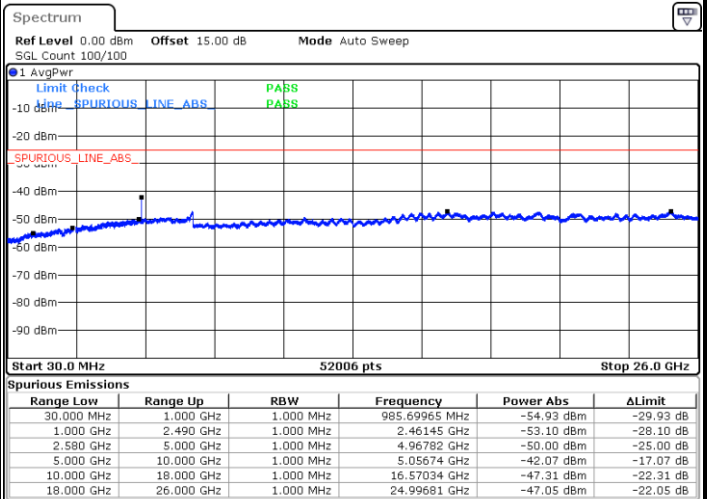
Date: 21.DEC.2020 03:24:50

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 21.DEC.2020 03:29:00

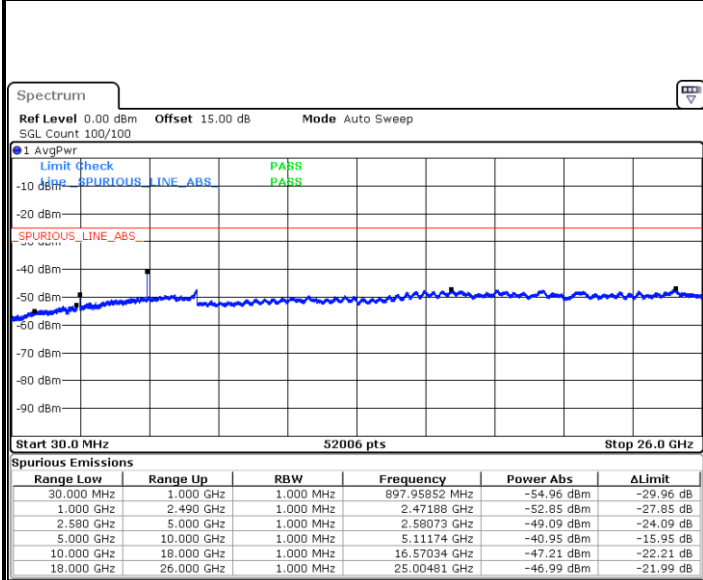


Date: 21.DEC.2020 03:30:21



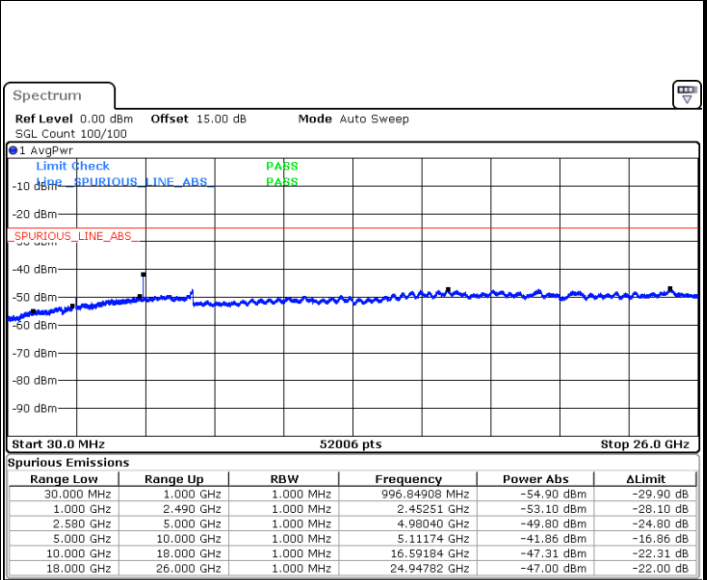
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 21.DEC.2020 03:45:11

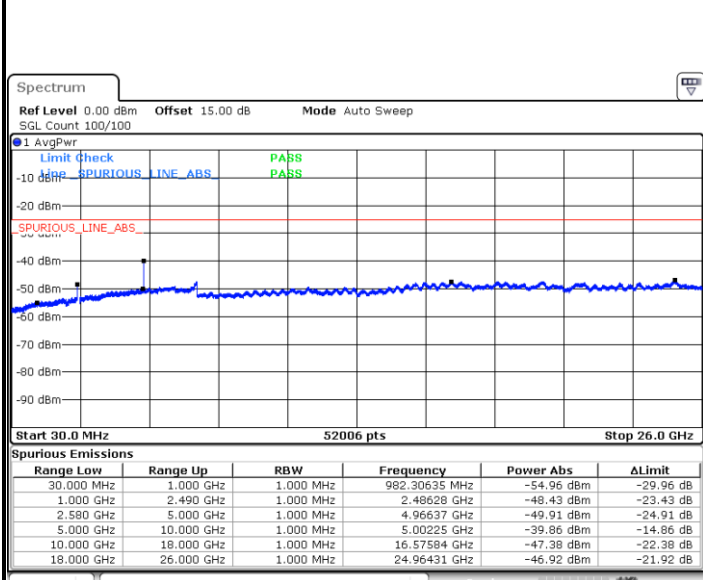
Highest Channel / 16QAM



Date: 21.DEC.2020 03:43:37

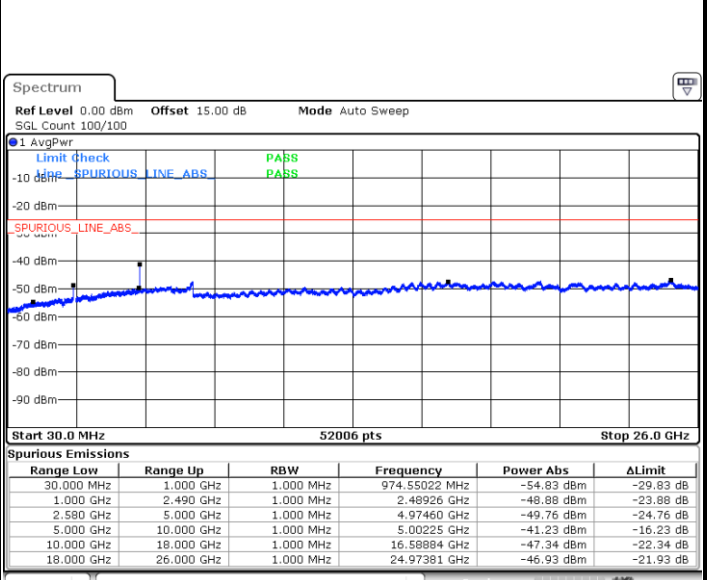
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 21.DEC.2020 04:00:15

Lowest Channel / 16QAM



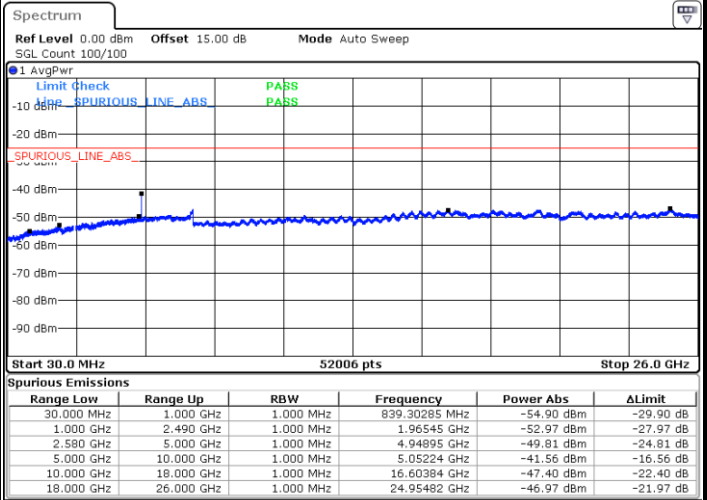
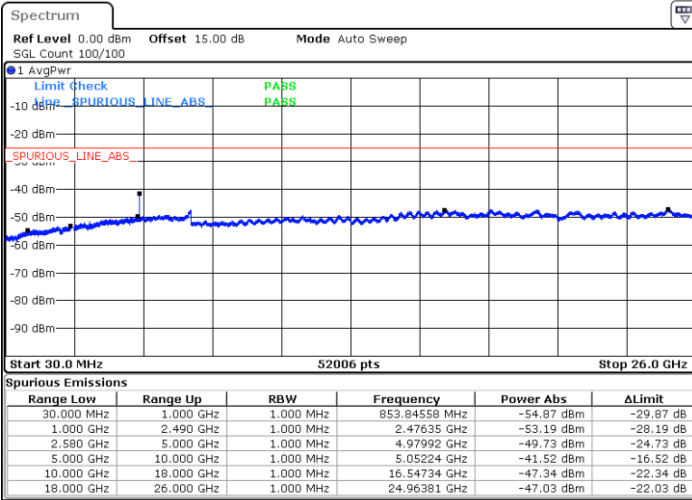
Date: 21.DEC.2020 04:02:28



LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

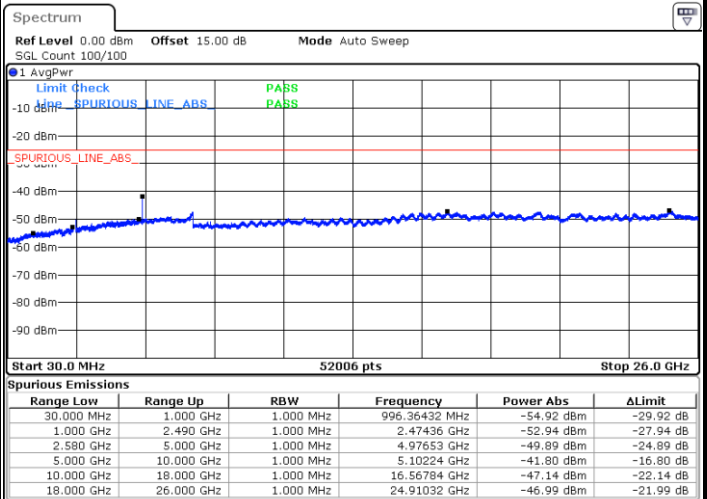
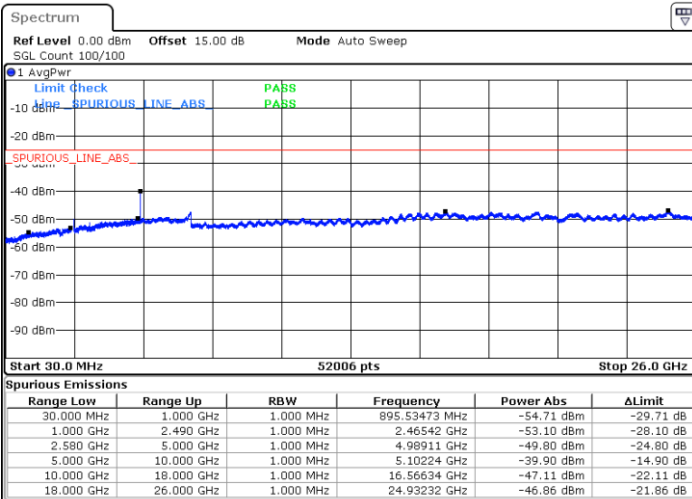


Date: 21.DEC.2020 04:13:17

Date: 21.DEC.2020 04:11:46

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 21.DEC.2020 04:21:35

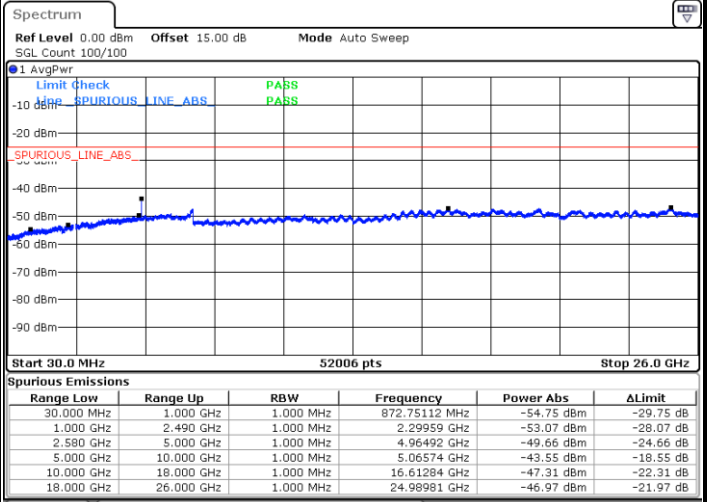
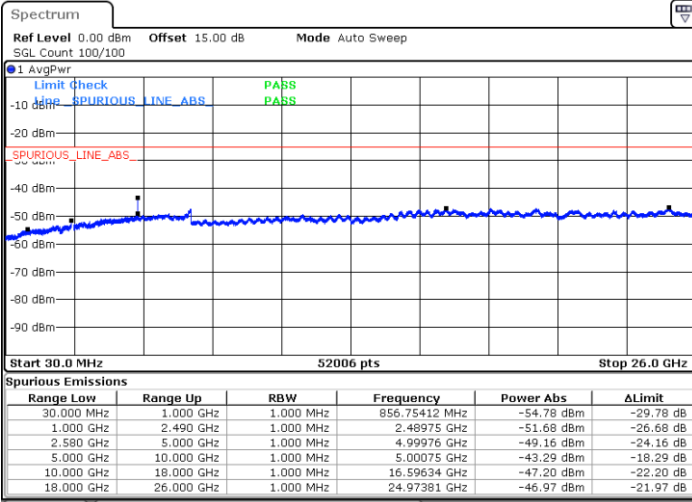
Date: 21.DEC.2020 04:28:23



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

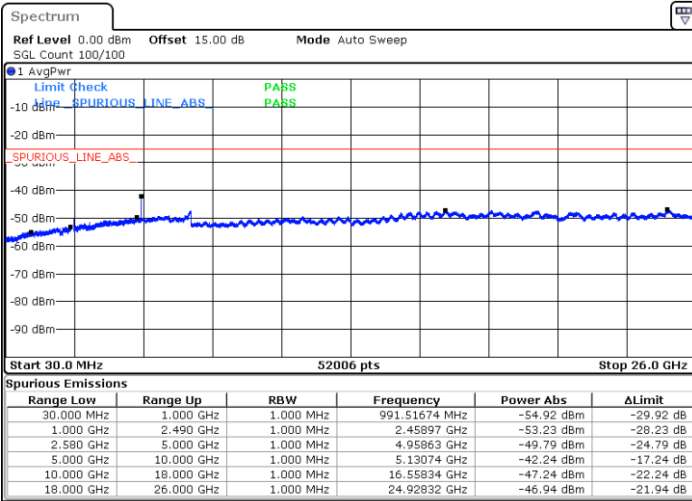
Middle Channel / 64QAM



Date: 21.DEC.2020 01:55:26

Date: 21.DEC.2020 02:07:30

Highest Channel / 64QAM



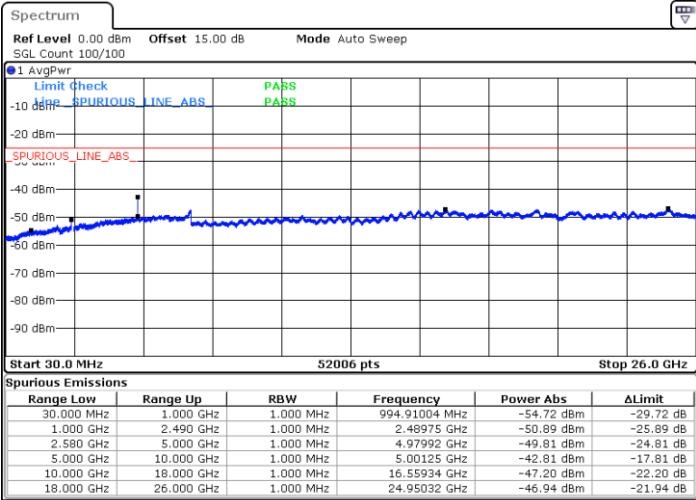
Date: 21.DEC.2020 02:12:41



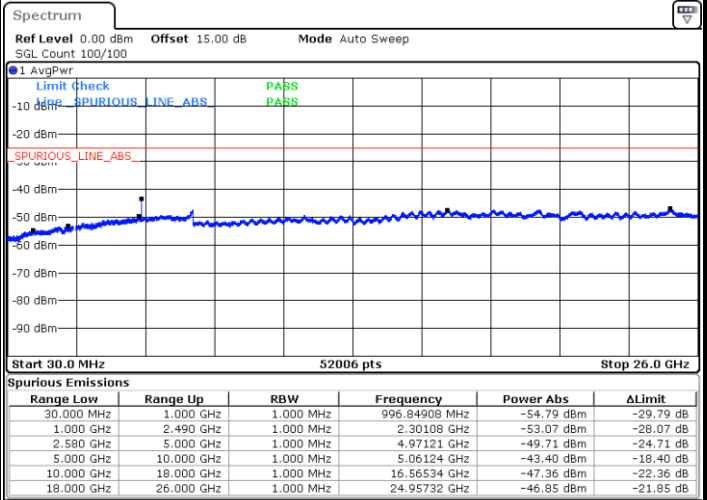
LTE Band 7 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

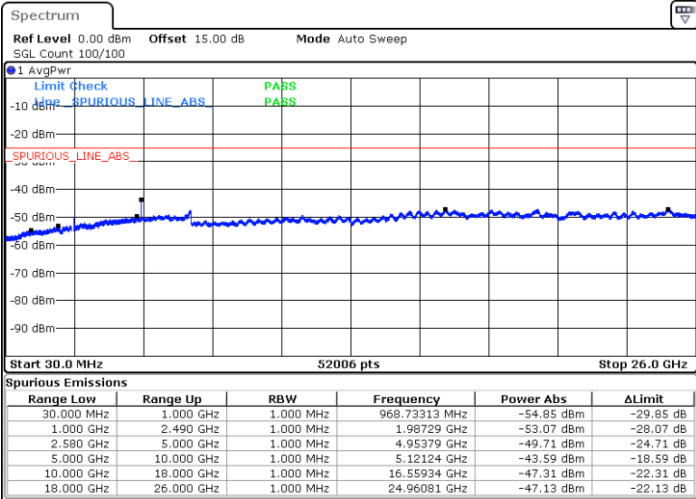


Date: 21.DEC.2020 02:41:20



Date: 21.DEC.2020 02:58:44

Highest Channel / 64QAM



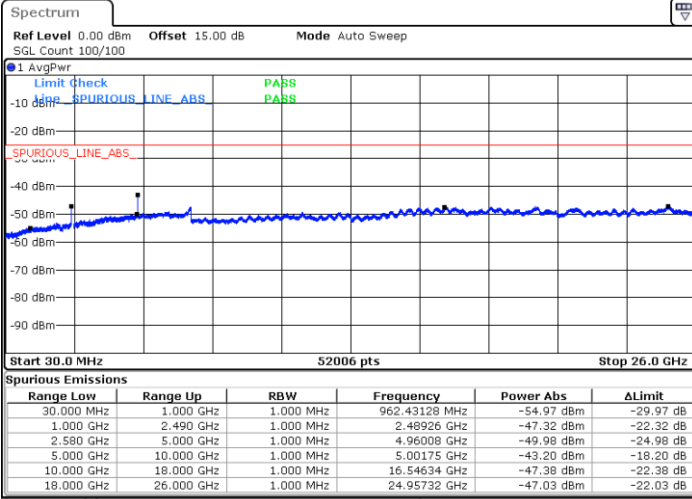
Date: 21.DEC.2020 03:04:48



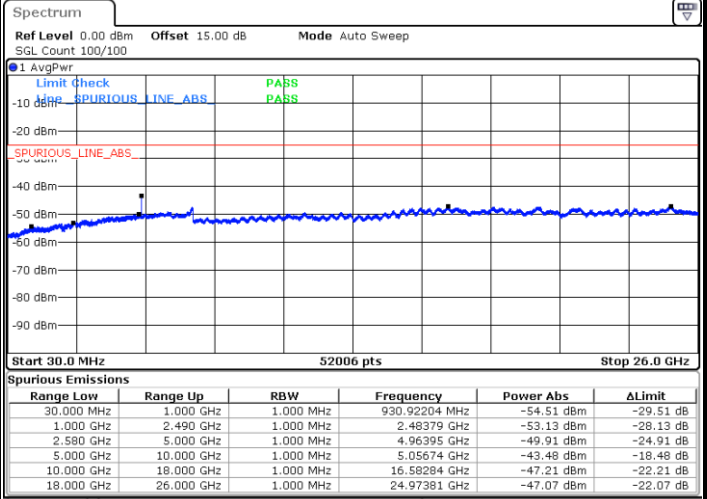
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

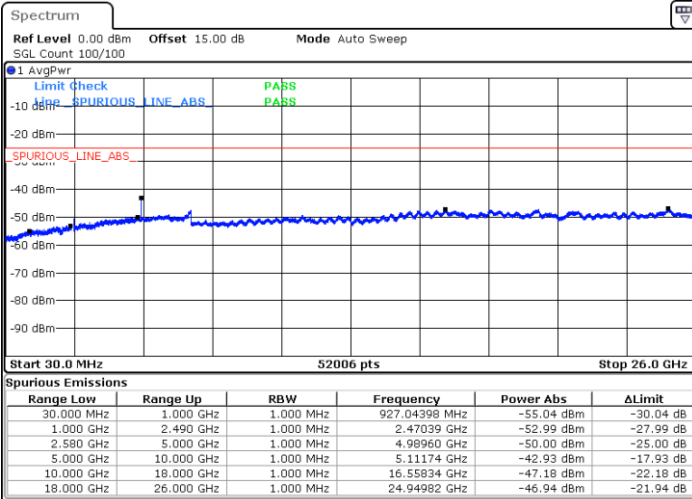


Date: 21.DEC.2020 03:23:07



Date: 21.DEC.2020 03:31:49

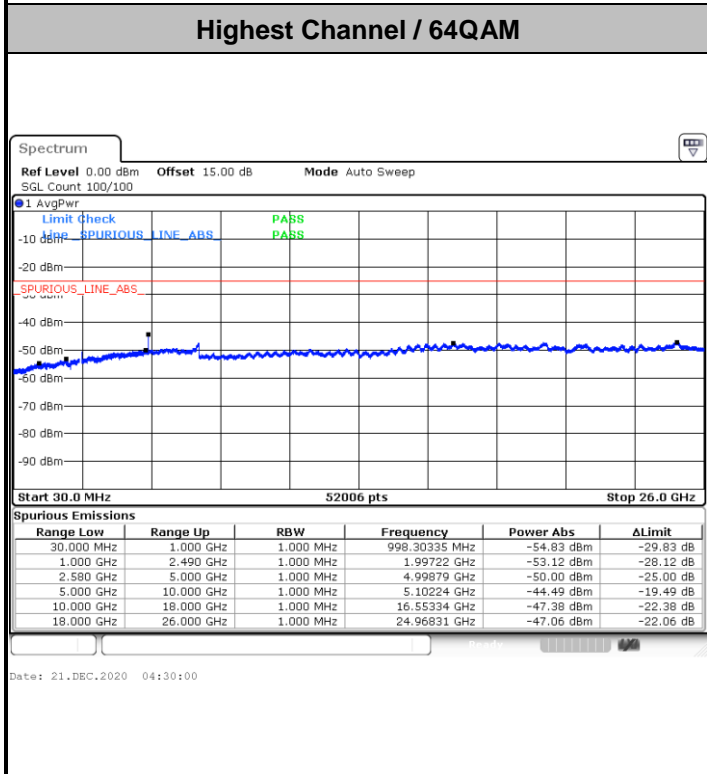
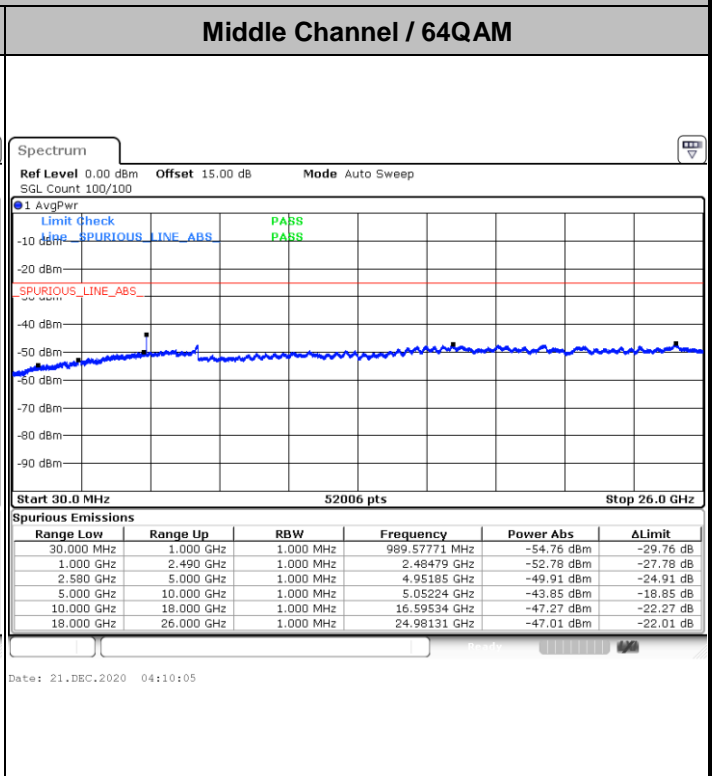
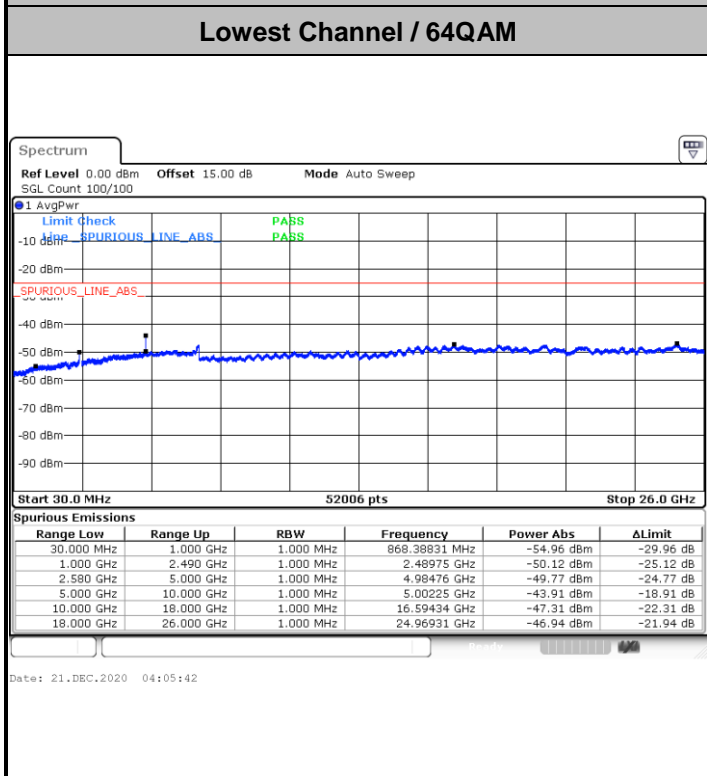
Highest Channel / 64QAM



Date: 21.DEC.2020 03:40:51



LTE Band 7 / 20MHz





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	0.0010	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 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	5.68	5.54	6.41	6.29	PASS
Middle CH	5.28	5.30	6.81	6.26	
Highest CH	5.91	5.48	7.10	6.20	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	7.07	6.41	-	-	PASS
Middle CH	7.04	6.52	-	-	
Highest CH	7.48	6.55	-	-	