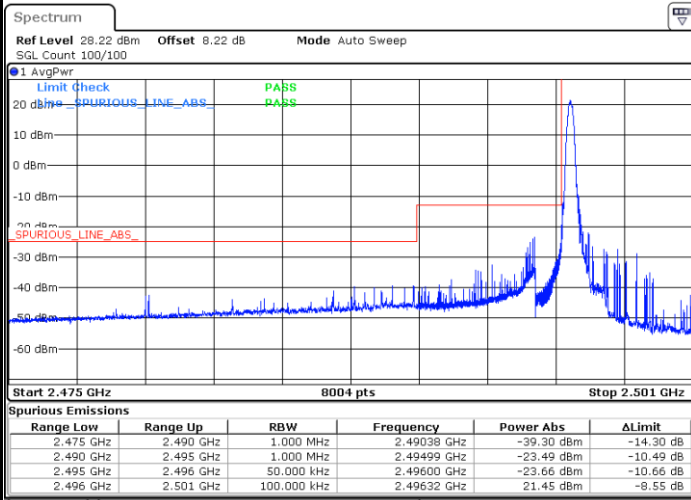




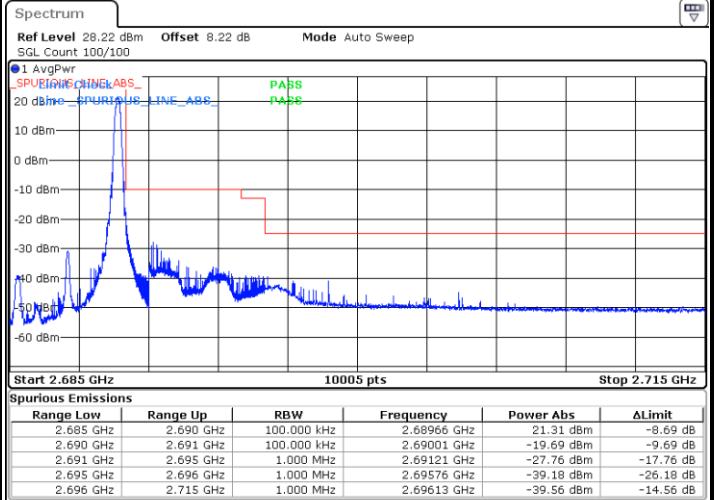
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



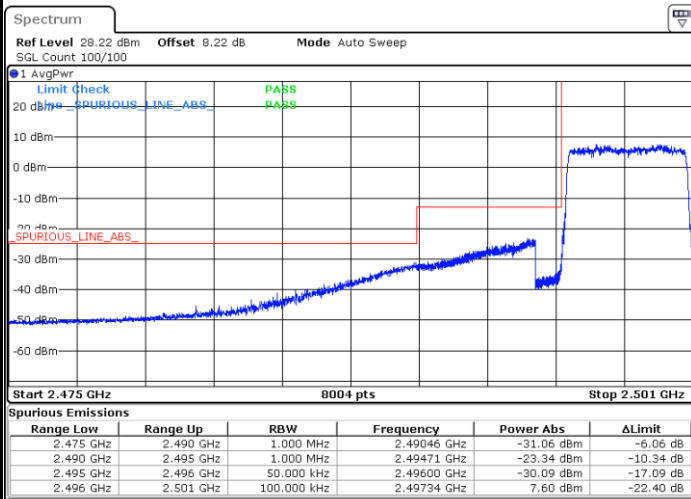
Date: 1.JAN.2021 22:48:20

Highest Band Edge / 1 RB



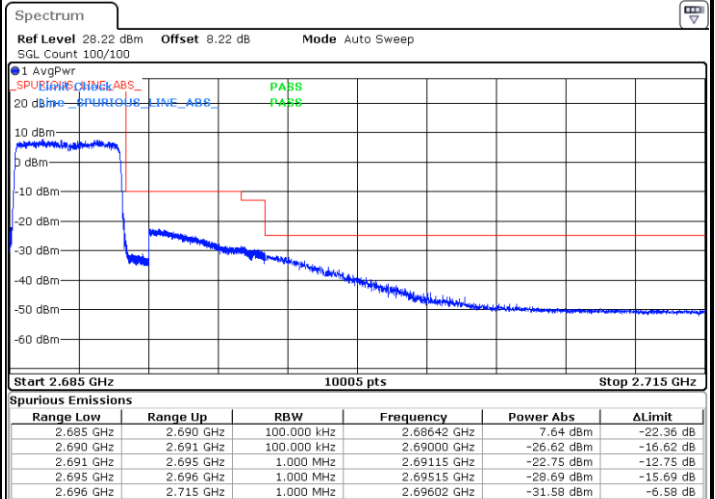
Date: 1.JAN.2021 22:51:44

Lowest Band Edge / Full RB



Date: 1.JAN.2021 22:49:28

Highest Band Edge / Full RB

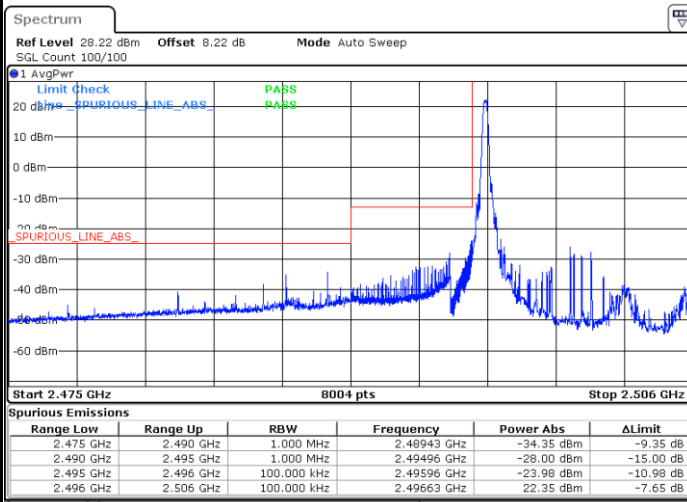


Date: 1.JAN.2021 22:50:36



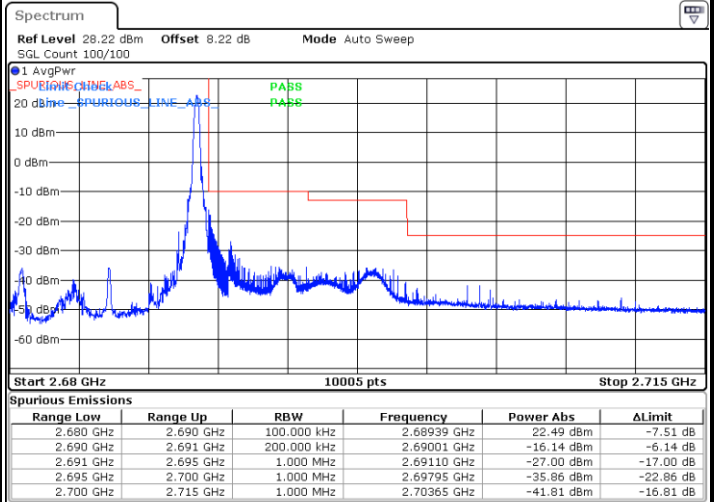
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



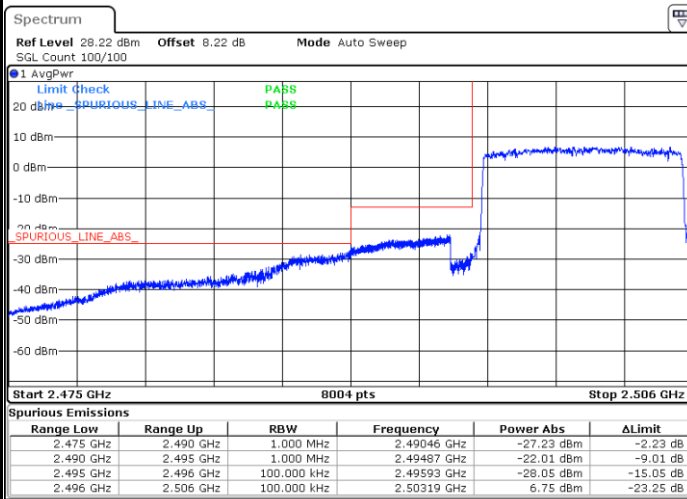
Date: 1.JAN.2021 22:21:08

Highest Band Edge / 1 RB



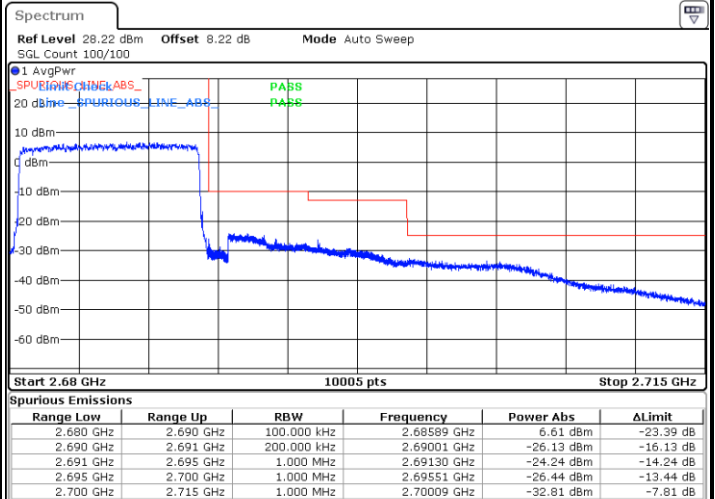
Date: 1.JAN.2021 22:25:40

Lowest Band Edge / Full RB



Date: 1.JAN.2021 22:23:25

Highest Band Edge / Full RB

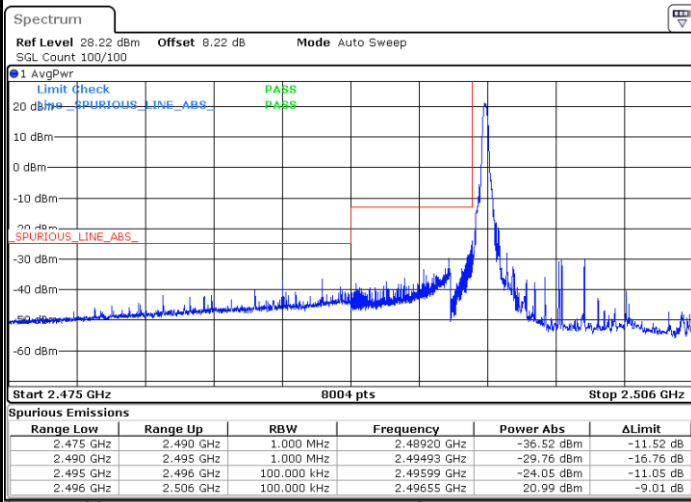


Date: 1.JAN.2021 22:27:56



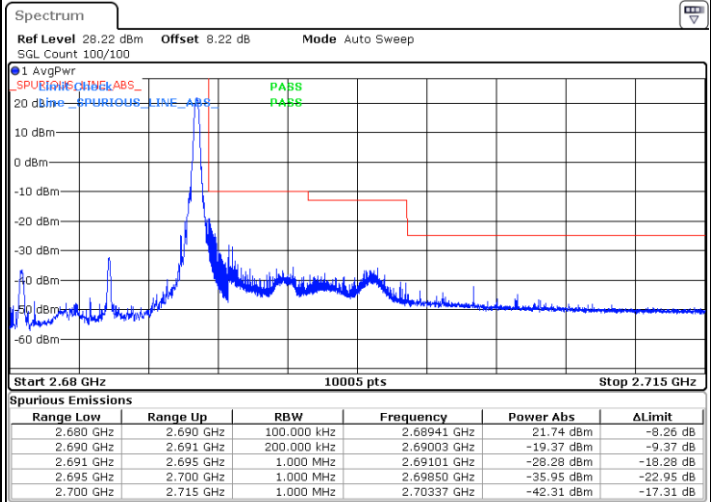
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



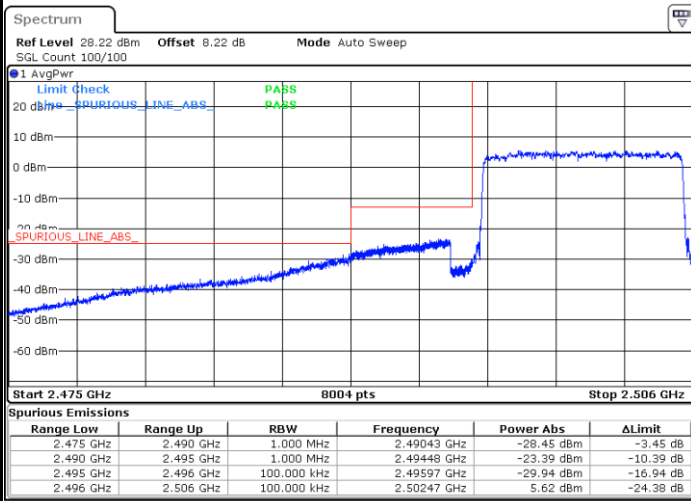
Date: 1.JAN.2021 22:22:16

Highest Band Edge / 1 RB



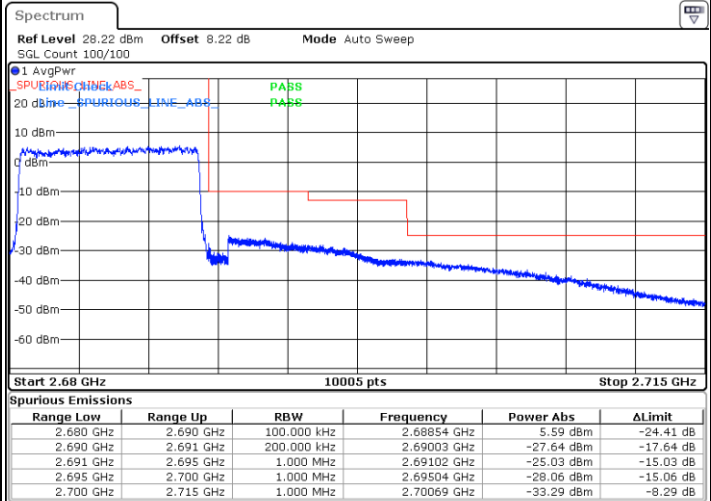
Date: 1.JAN.2021 22:26:48

Lowest Band Edge / Full RB



Date: 1.JAN.2021 22:24:33

Highest Band Edge / Full RB

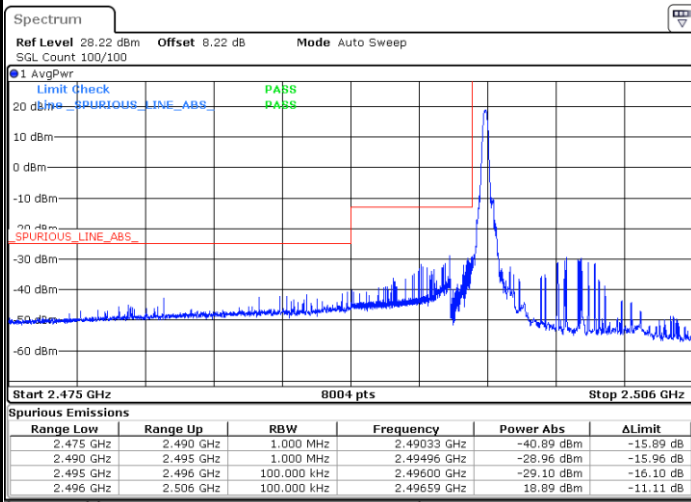


Date: 1.JAN.2021 22:29:04



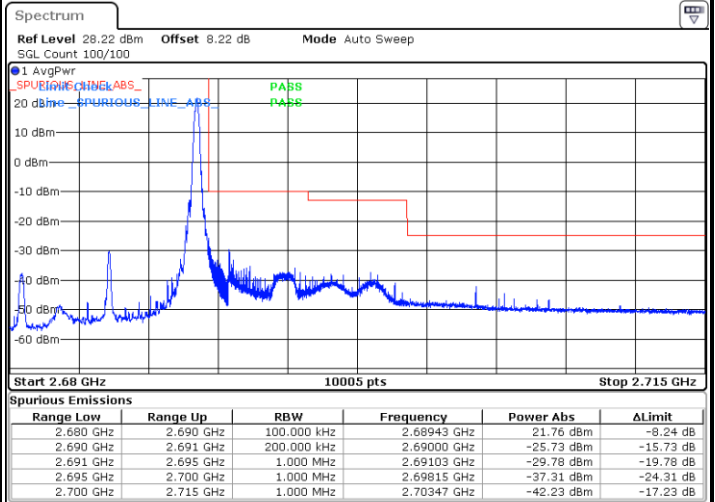
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



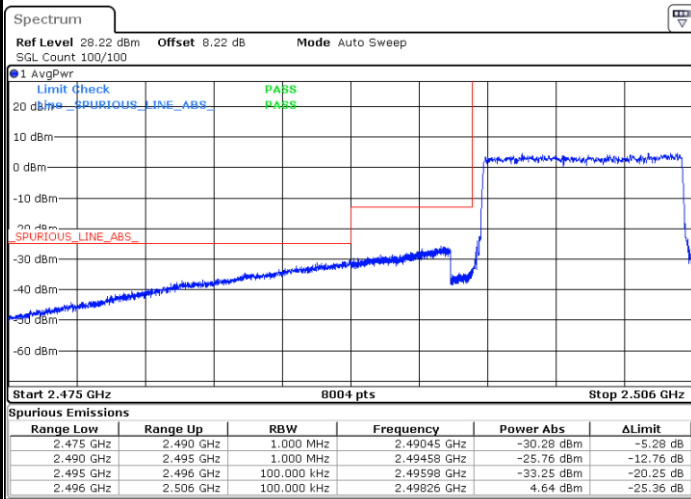
Date: 1.JAN.2021 22:52:52

Highest Band Edge / 1 RB



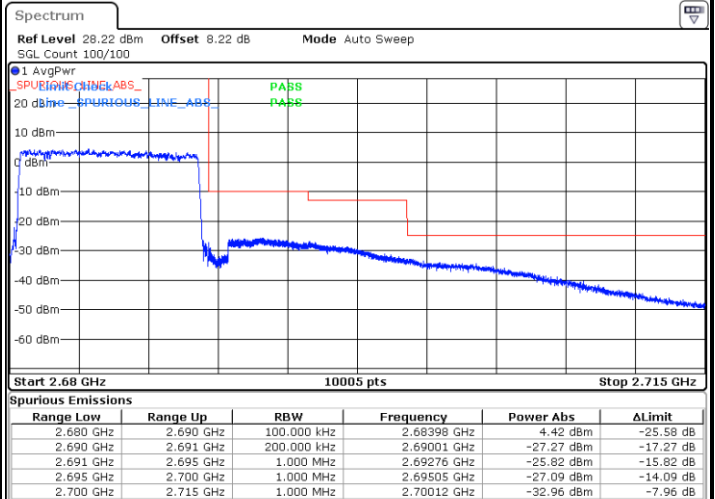
Date: 1.JAN.2021 22:56:16

Lowest Band Edge / Full RB



Date: 1.JAN.2021 22:54:00

Highest Band Edge / Full RB

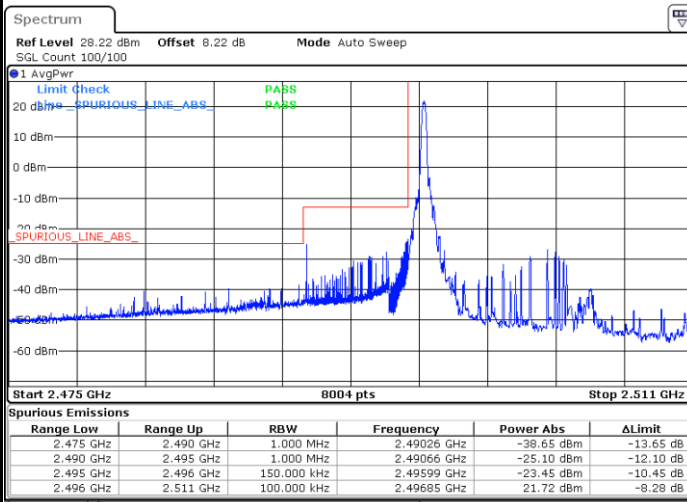


Date: 1.JAN.2021 22:55:08



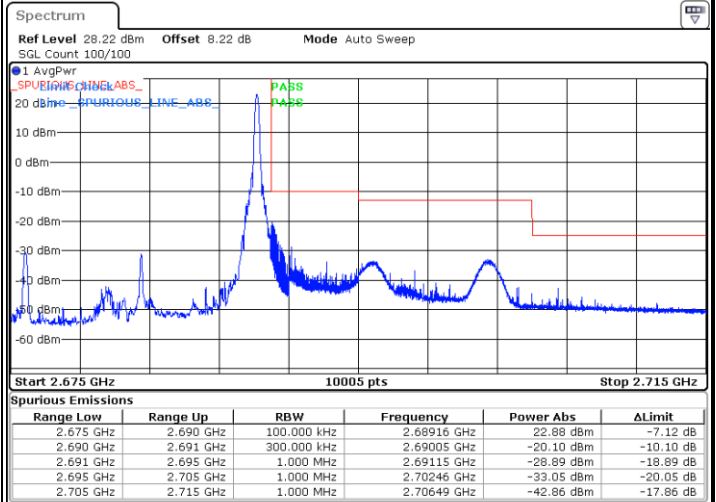
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



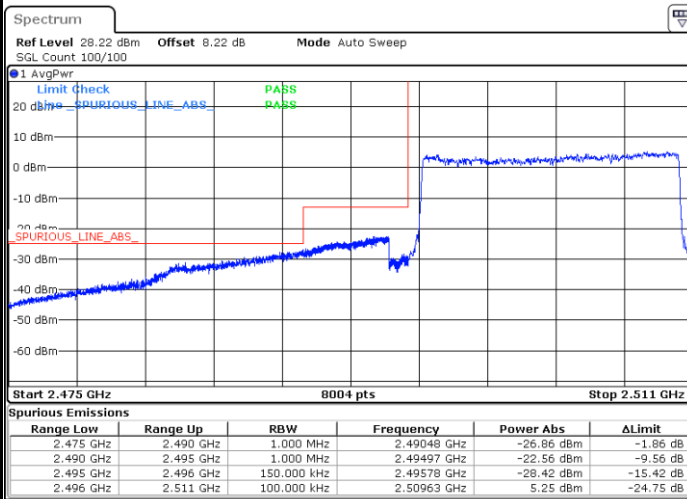
Date: 1.JAN.2021 22:30:12

Highest Band Edge / 1 RB



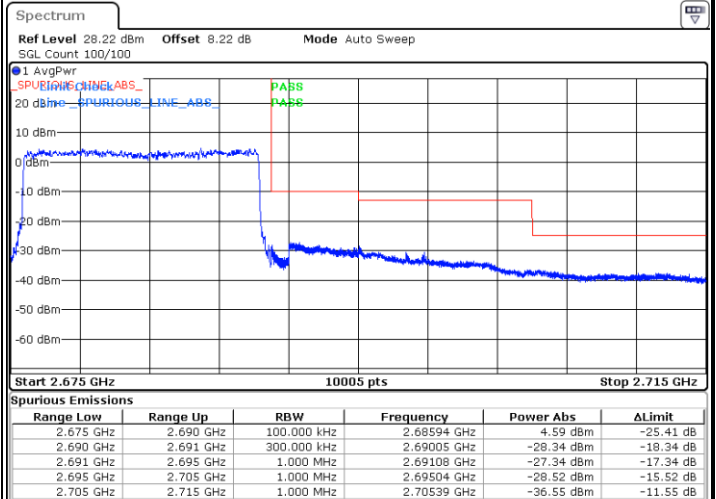
Date: 1.JAN.2021 22:34:44

Lowest Band Edge / Full RB



Date: 1.JAN.2021 23:18:37

Highest Band Edge / Full RB

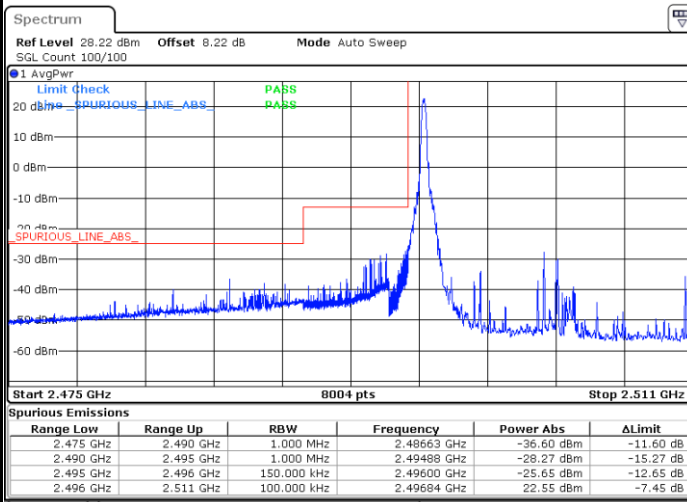


Date: 1.JAN.2021 22:37:00



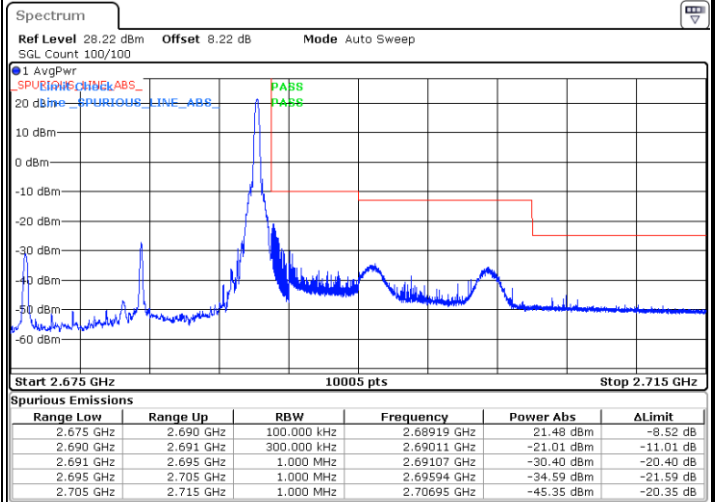
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



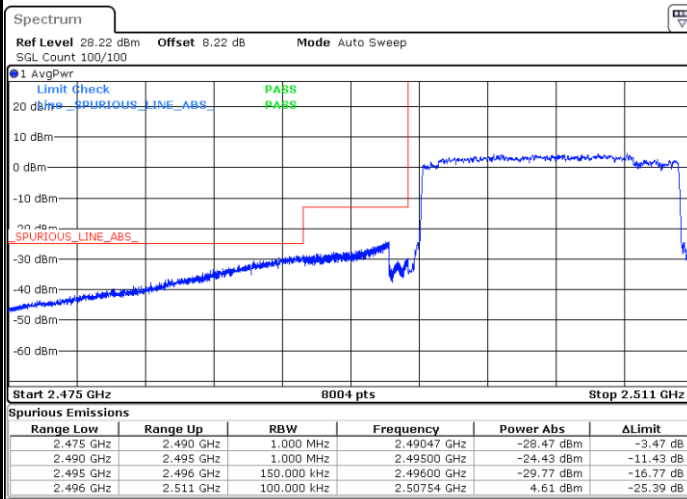
Date: 1.JAN.2021 23:17:55

Highest Band Edge / 1 RB



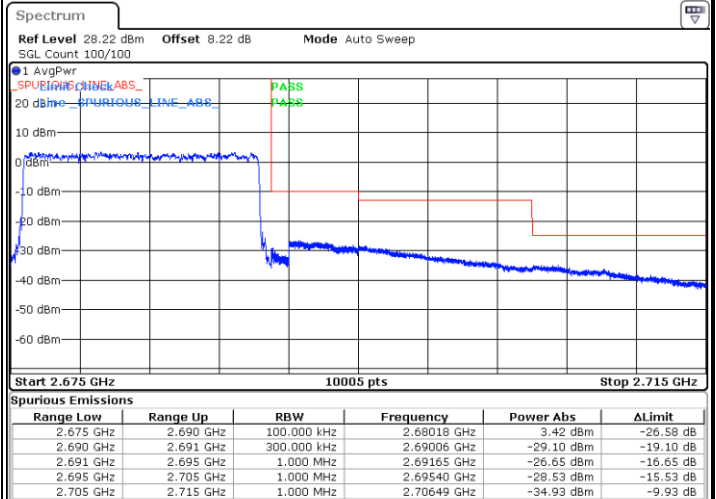
Date: 1.JAN.2021 22:35:52

Lowest Band Edge / Full RB



Date: 1.JAN.2021 22:33:36

Highest Band Edge / Full RB

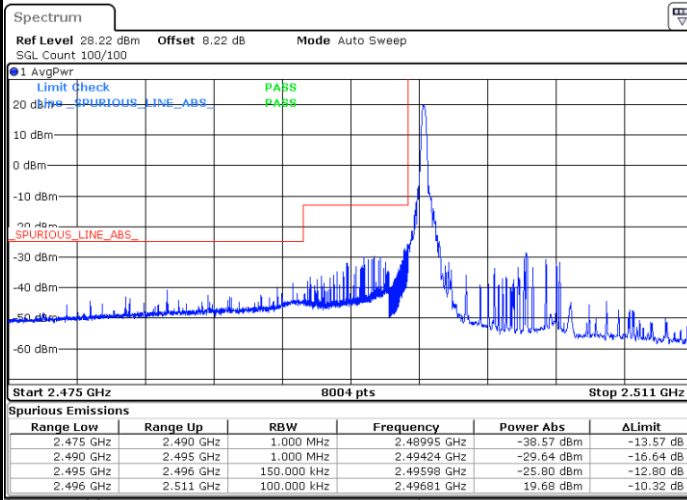


Date: 1.JAN.2021 22:38:08



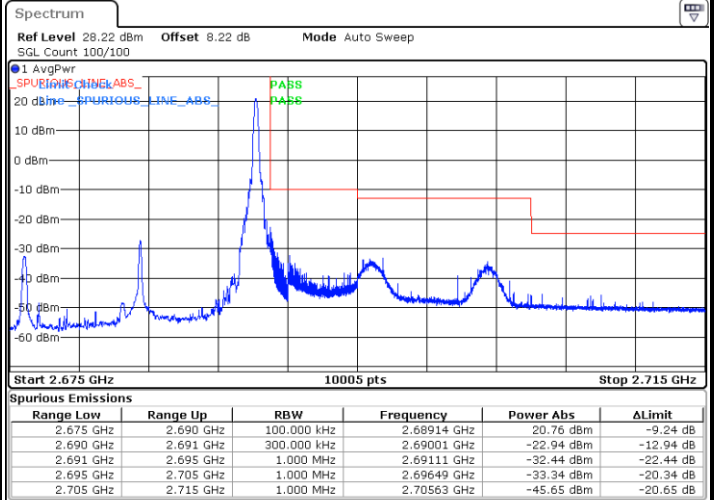
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



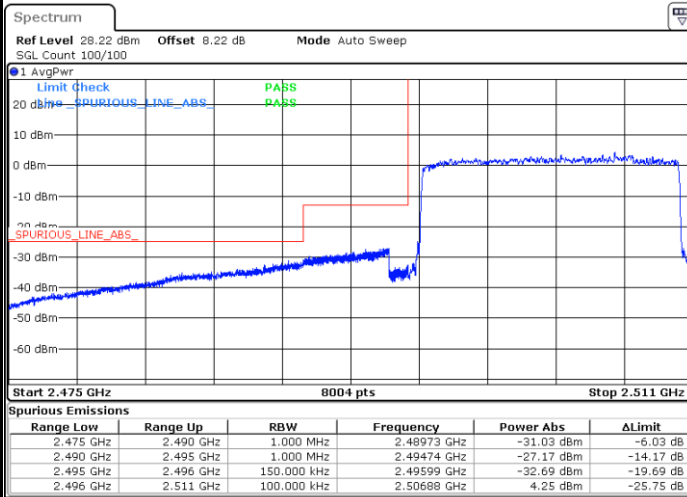
Date: 1.JAN.2021 22:57:24

Highest Band Edge / 1 RB



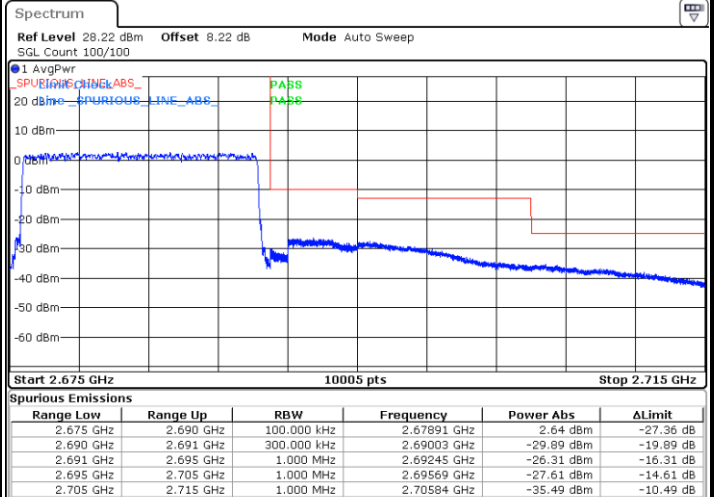
Date: 1.JAN.2021 23:00:47

Lowest Band Edge / Full RB



Date: 1.JAN.2021 22:58:31

Highest Band Edge / Full RB

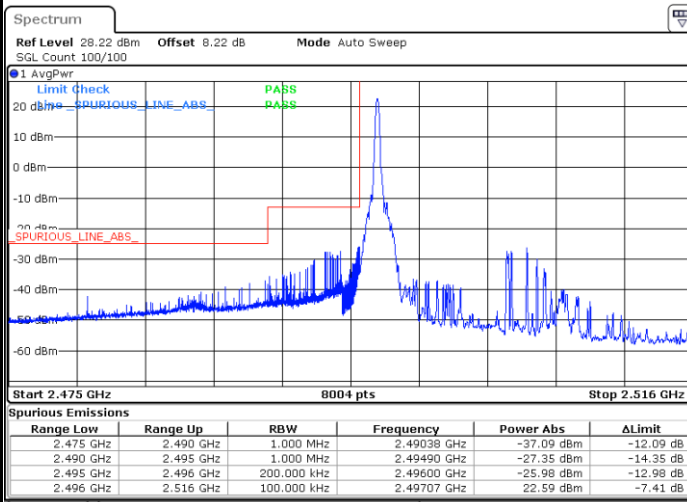


Date: 1.JAN.2021 22:59:39



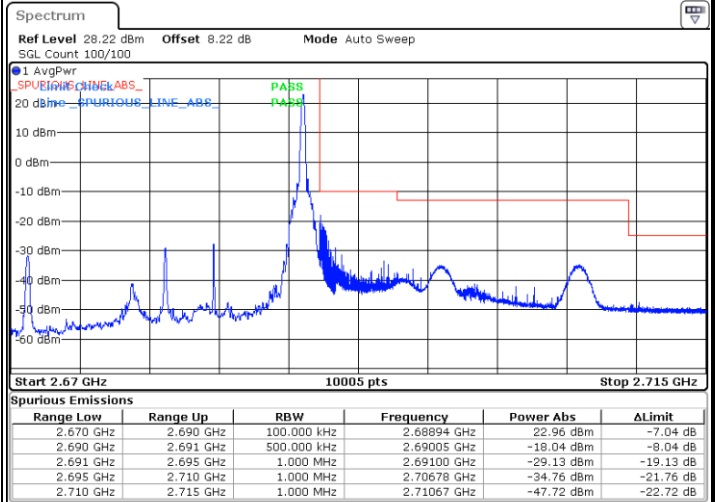
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



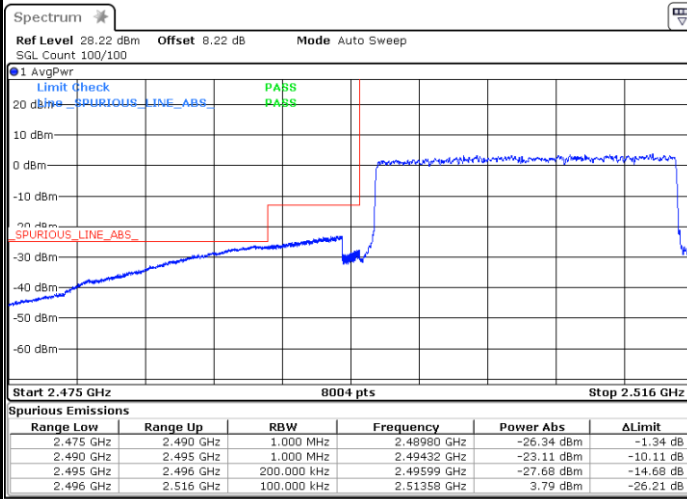
Date: 1.JAN.2021 22:39:16

Highest Band Edge / 1 RB



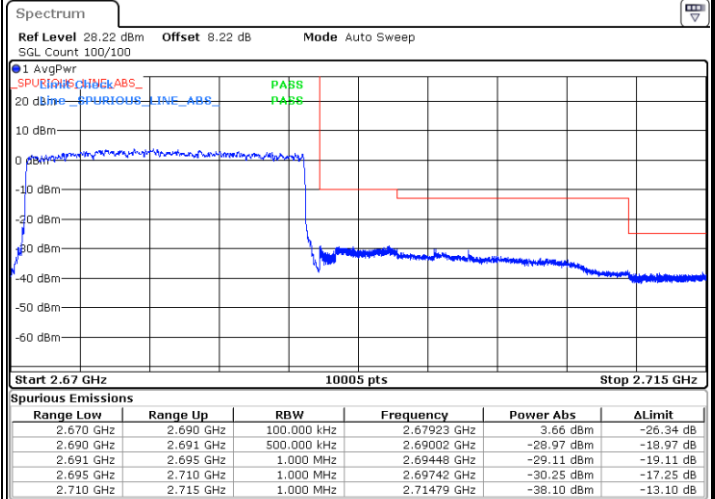
Date: 1.JAN.2021 22:43:48

Lowest Band Edge / Full RB



Date: 1.JAN.2021 23:20:29

Highest Band Edge / Full RB

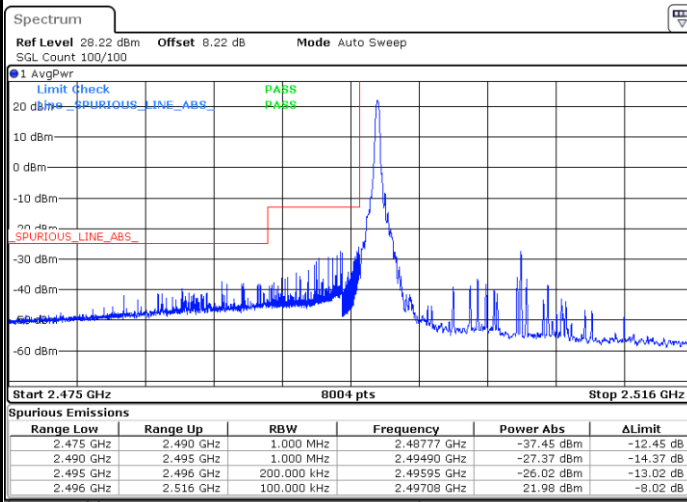


Date: 1.JAN.2021 22:47:12



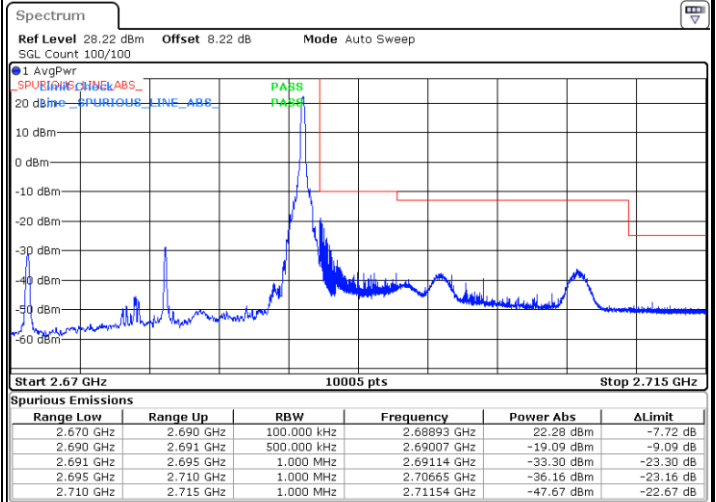
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



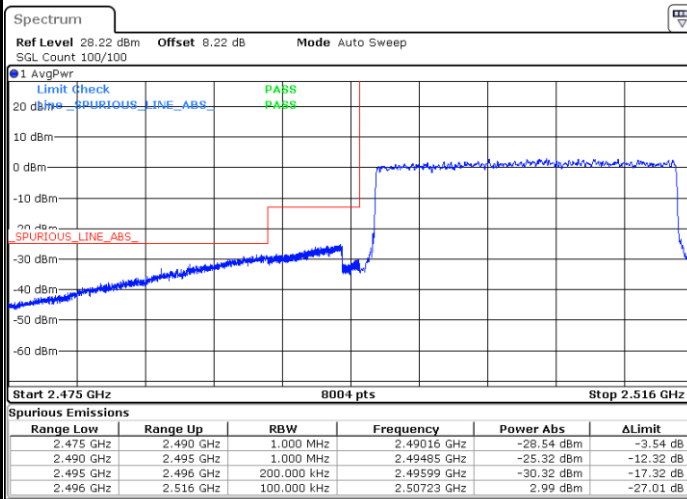
Date: 1.JAN.2021 22:40:24

Highest Band Edge / 1 RB



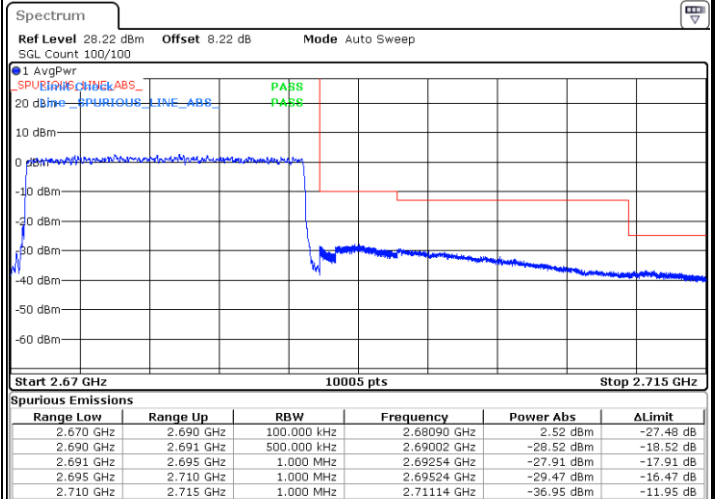
Date: 1.JAN.2021 22:44:56

Lowest Band Edge / Full RB



Date: 1.JAN.2021 22:42:40

Highest Band Edge / Full RB

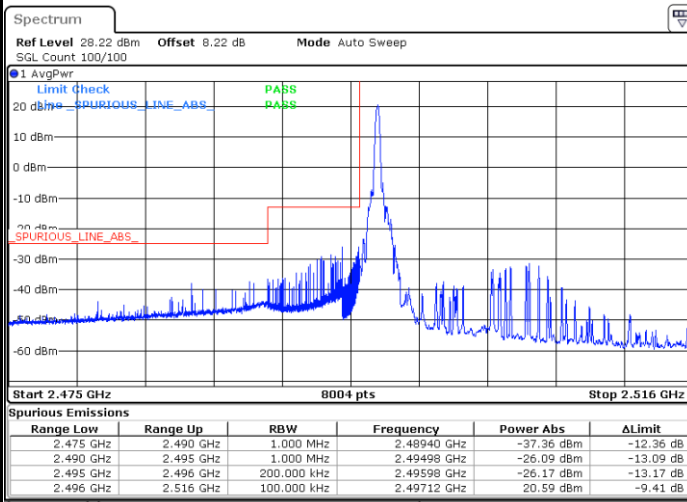


Date: 1.JAN.2021 22:46:04



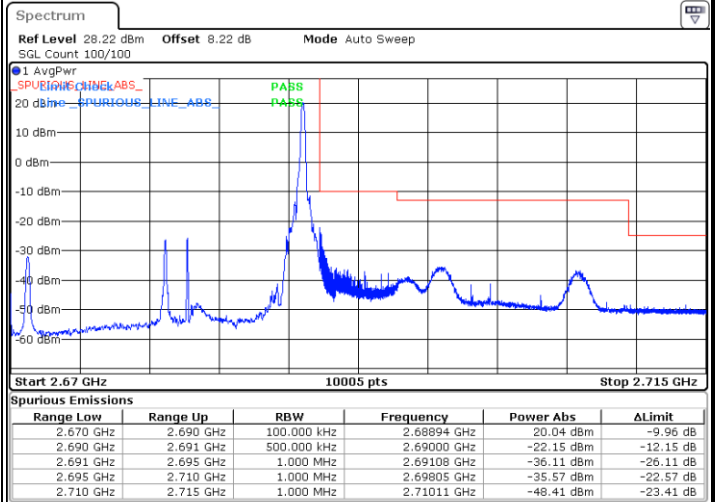
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



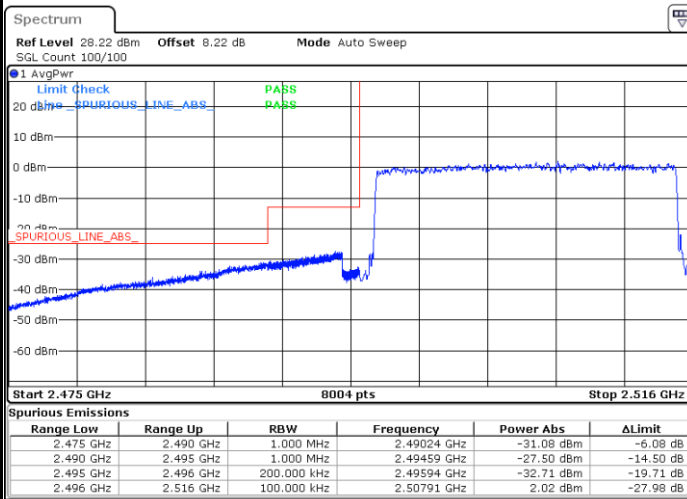
Date: 1.JAN.2021 23:01:56

Highest Band Edge / 1 RB



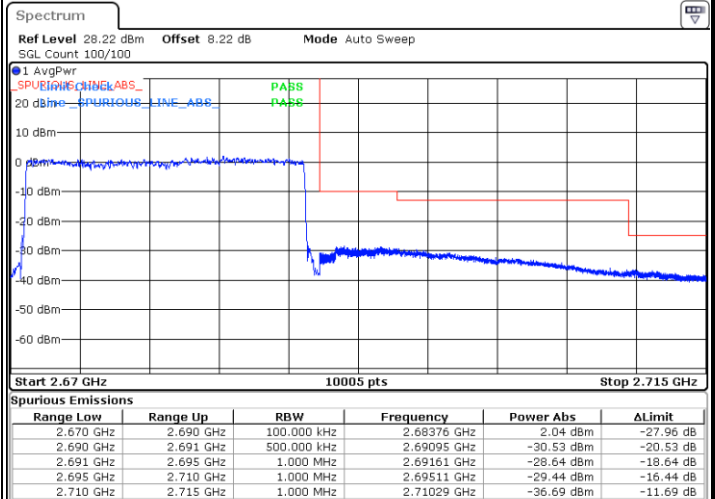
Date: 1.JAN.2021 23:05:19

Lowest Band Edge / Full RB



Date: 1.JAN.2021 23:03:04

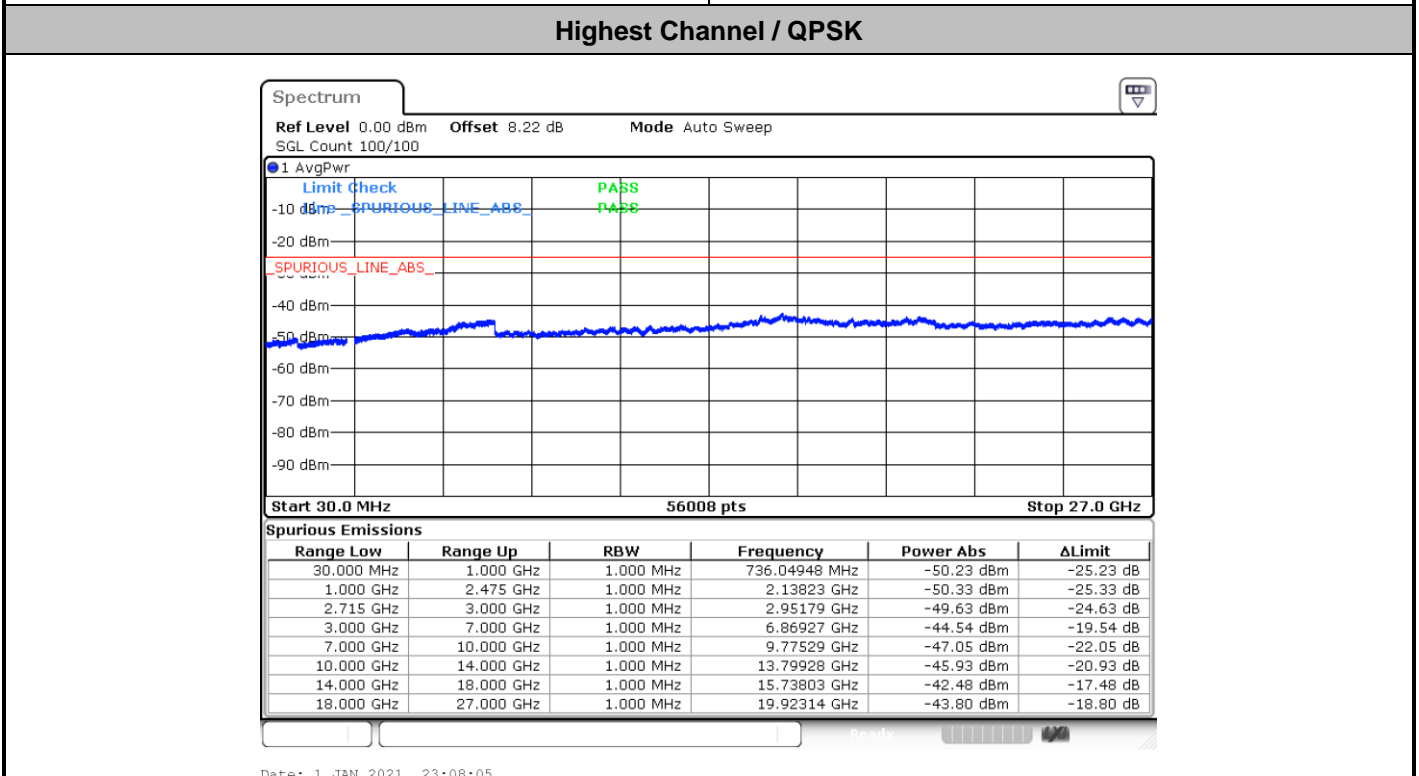
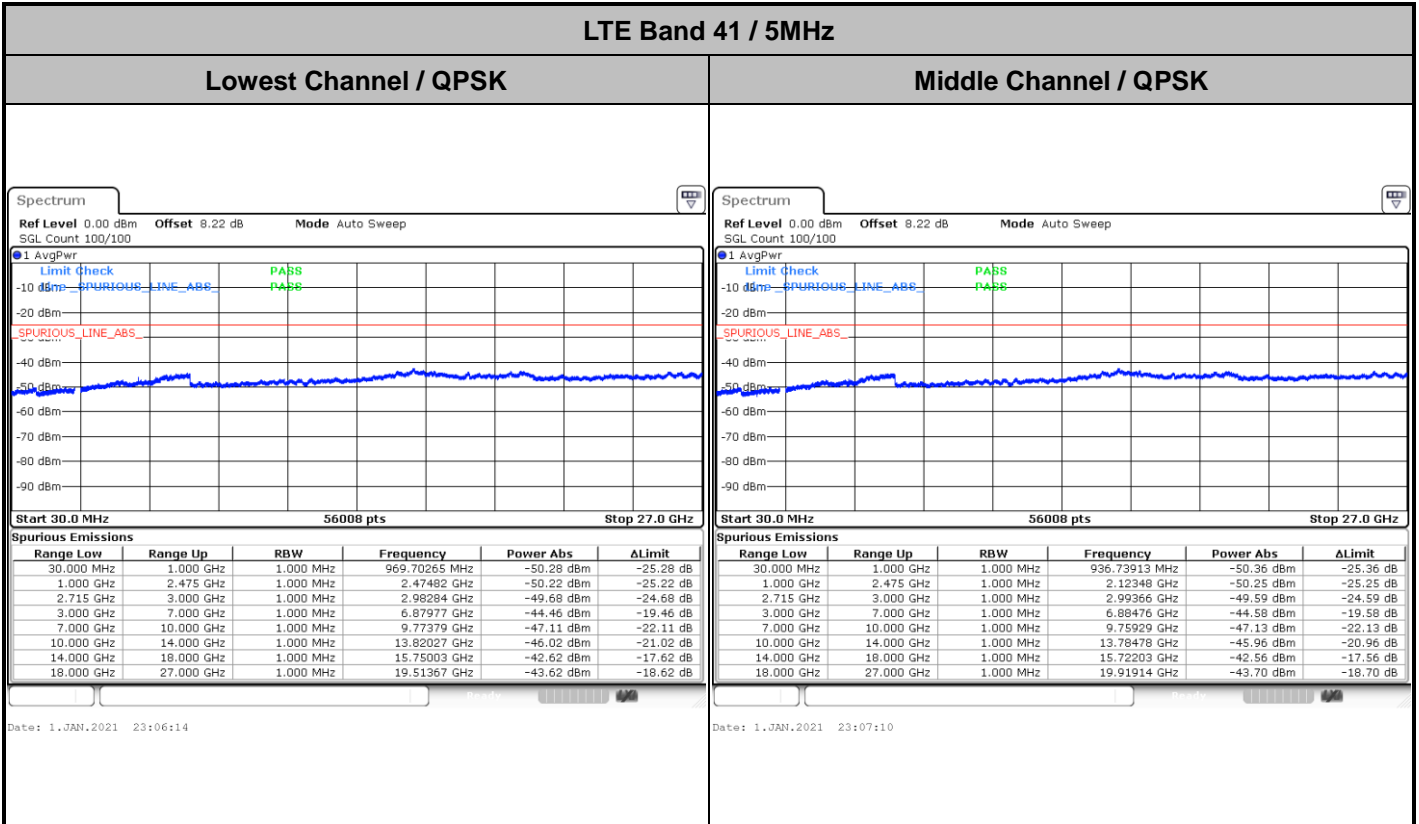
Highest Band Edge / Full RB



Date: 1.JAN.2021 23:04:11



Conducted Spurious Emission

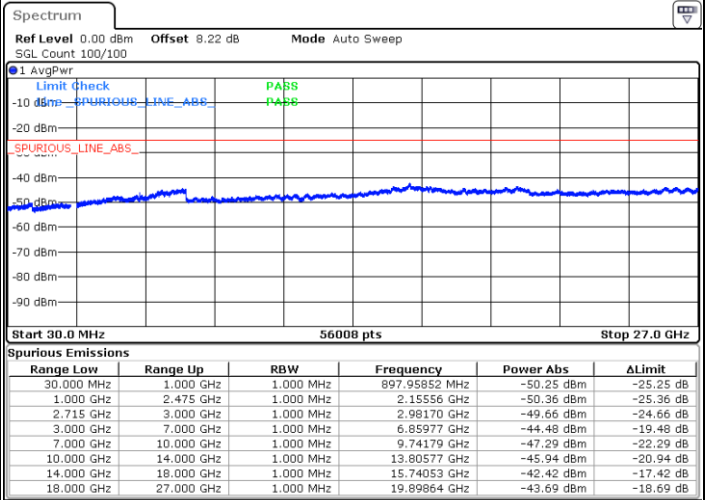
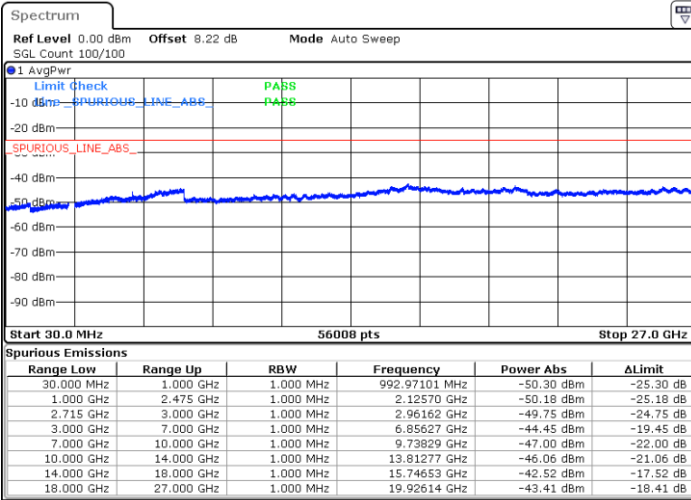




LTE Band 41 / 10MHz

Lowest Channel / QPSK

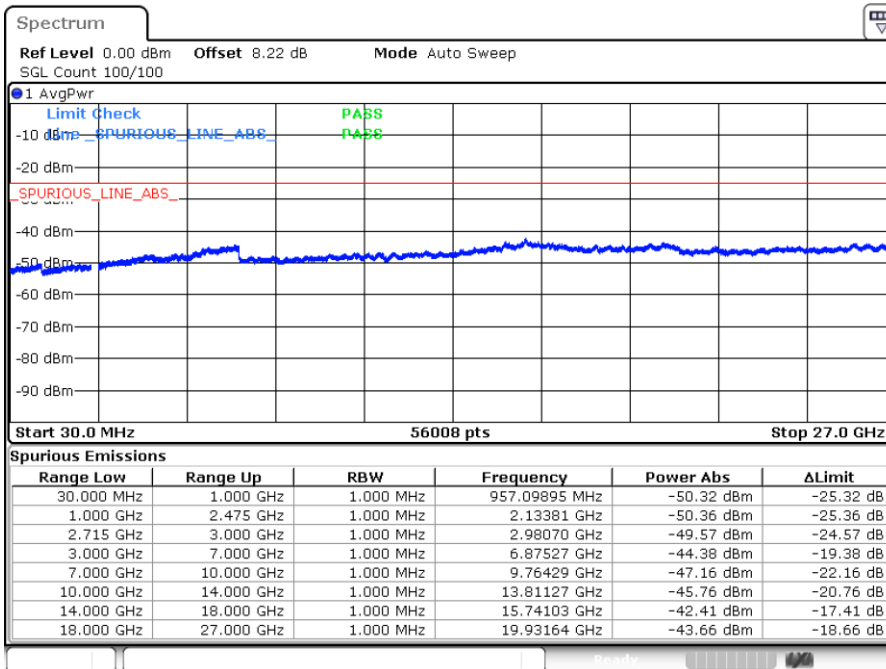
Middle Channel / QPSK



Date: 1.JAN.2021 23:09:01

Date: 1.JAN.2021 23:09:56

Highest Channel / QPSK



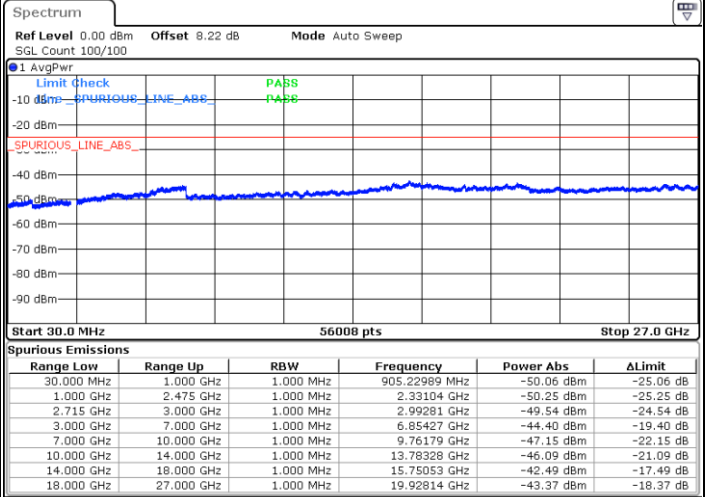
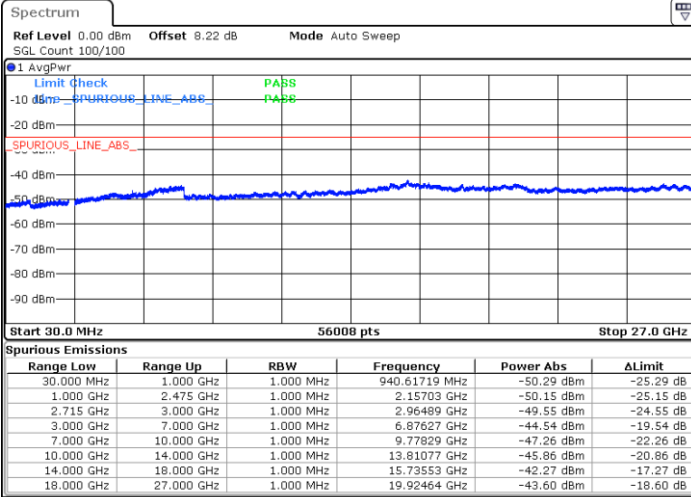
Date: 1.JAN.2021 23:10:52



LTE Band 41 / 15MHz

Lowest Channel / QPSK

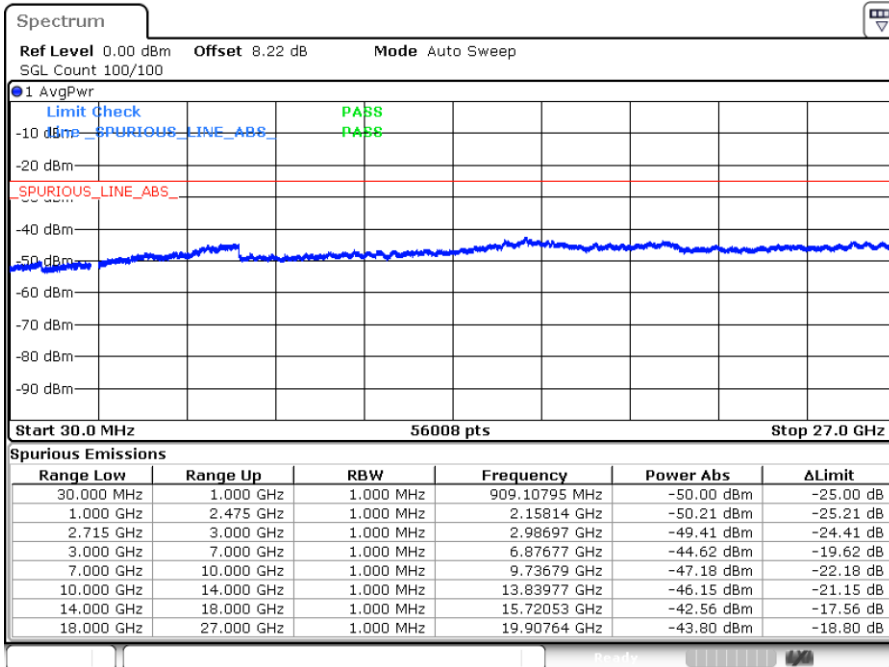
Middle Channel / QPSK



Date: 1.JAN.2021 23:11:47

Date: 1.JAN.2021 23:12:43

Highest Channel / QPSK

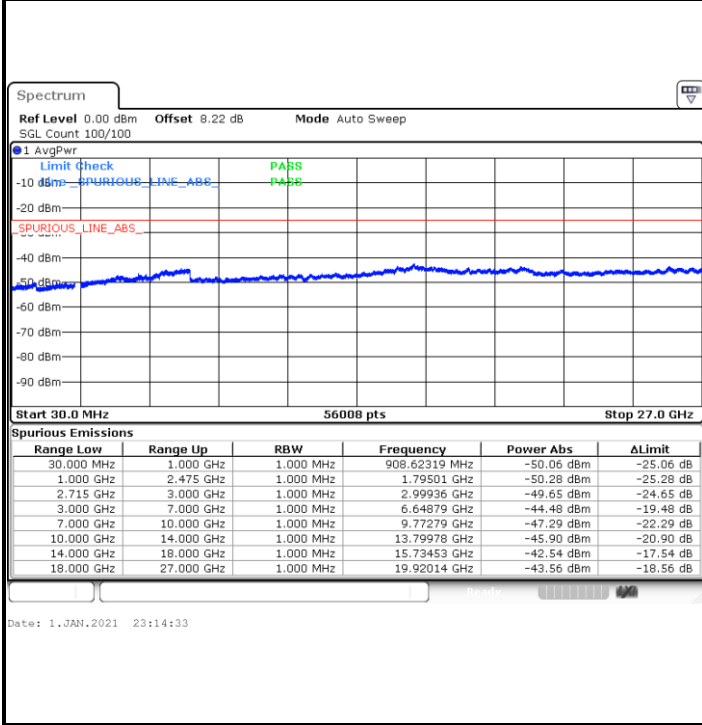


Date: 1.JAN.2021 23:13:38

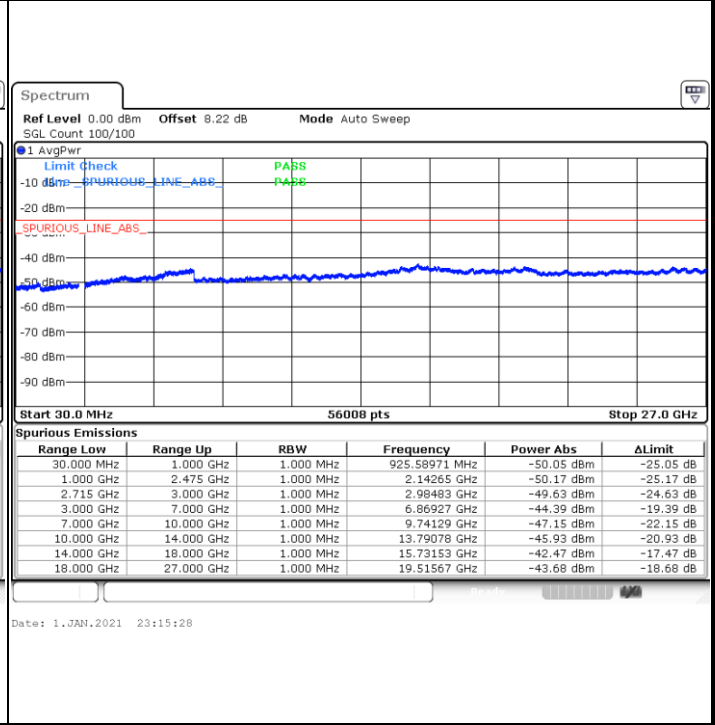


LTE Band 41 / 20MHz

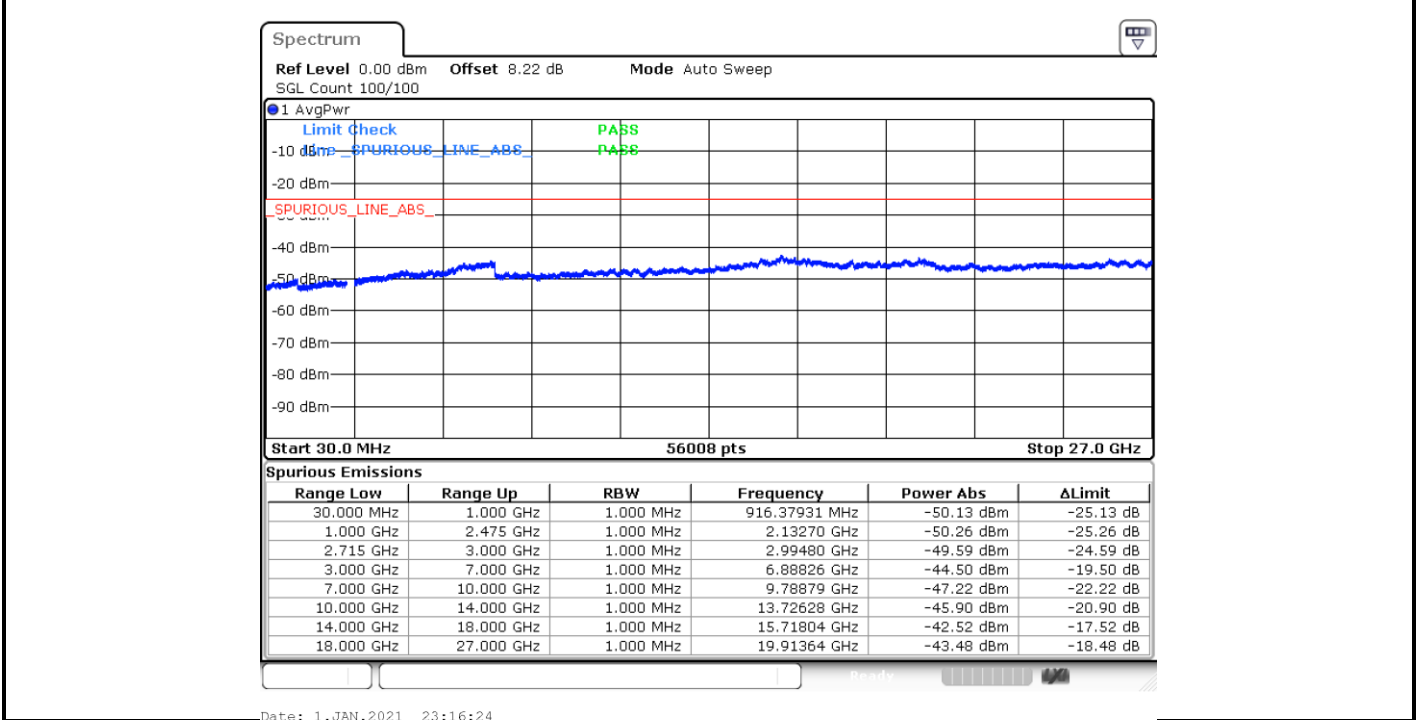
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0030	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0027	

Note:

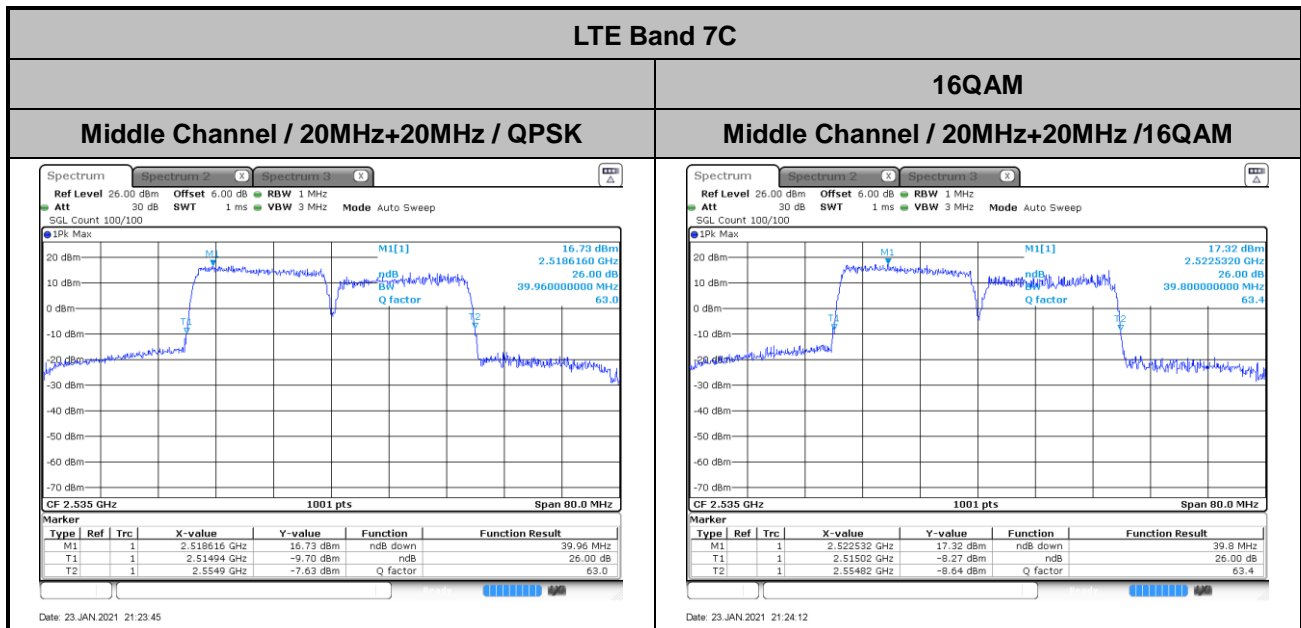
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7C

26dB Bandwidth

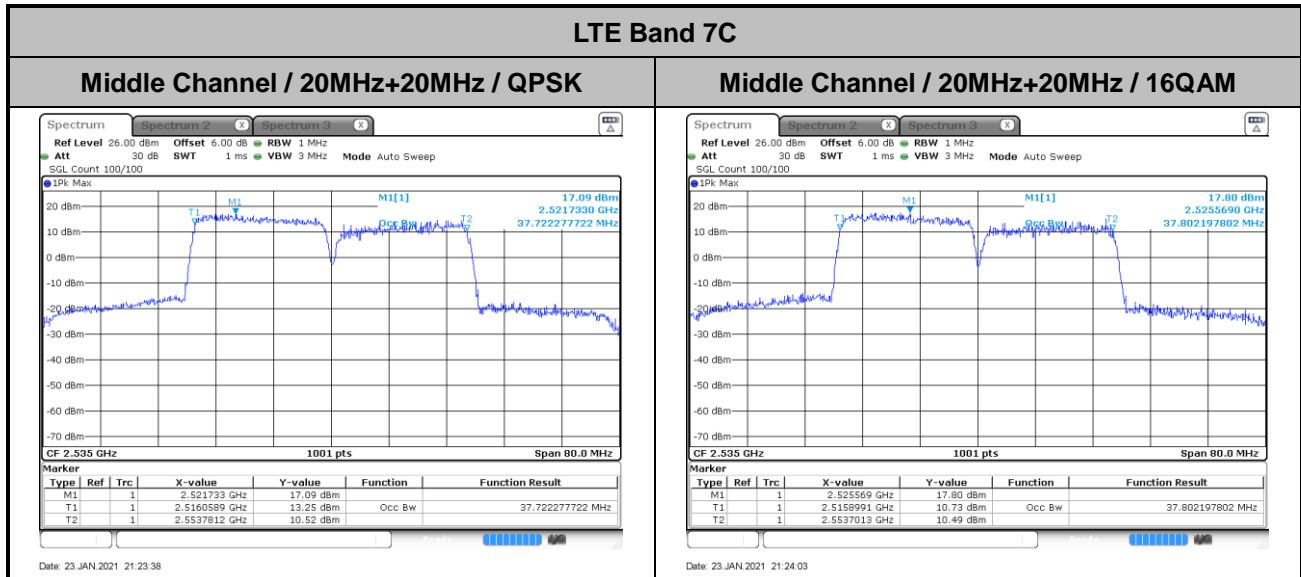
Mode	LTE Band 7C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	10MHz+10MHz	
Middle CH	39.96	39.80





Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	
Middle CH	37.72	37.80





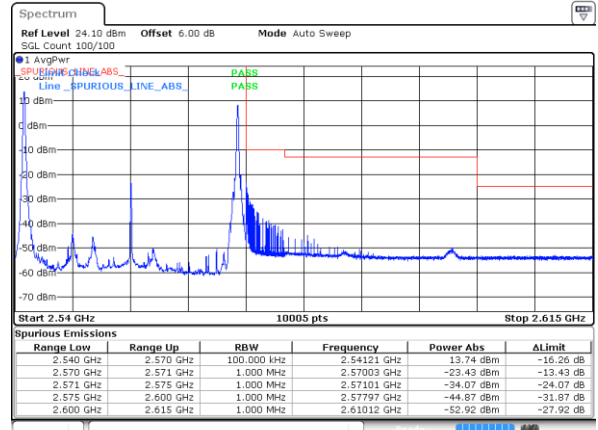
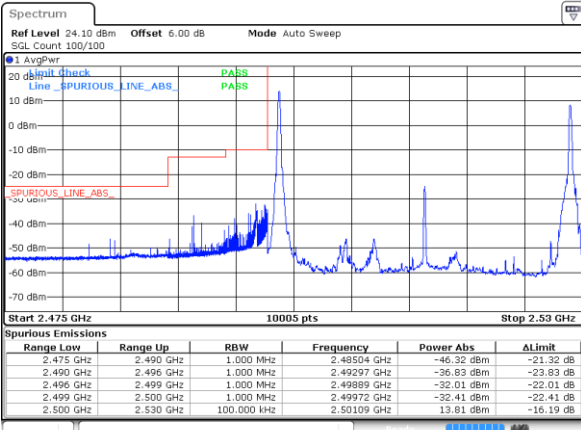
Conducted Band Edge

LTE Band 7C / 10MHz+20MHz

QPSK

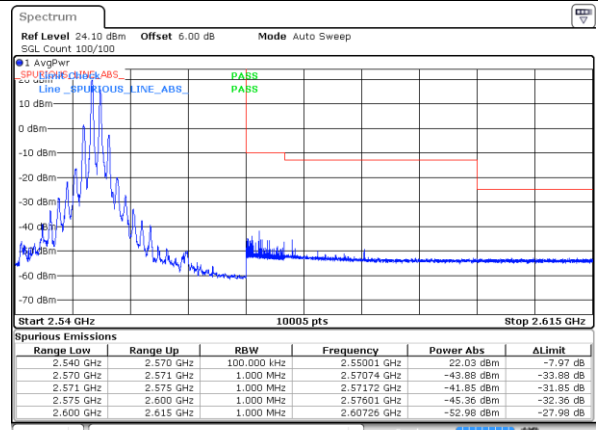
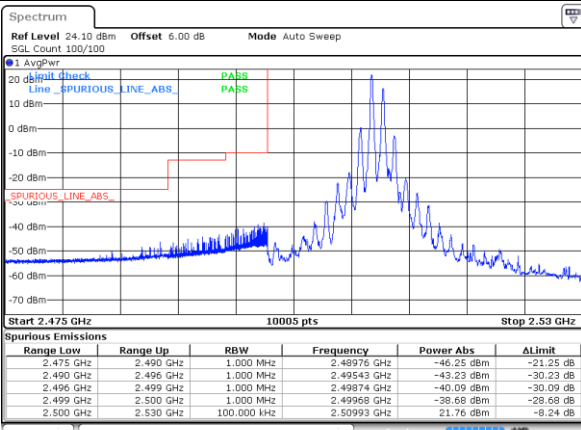
Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9



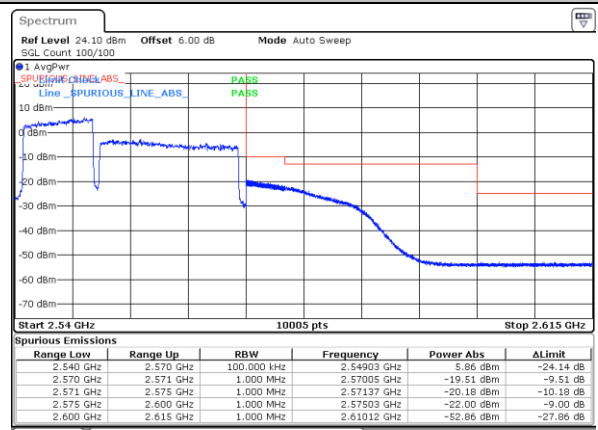
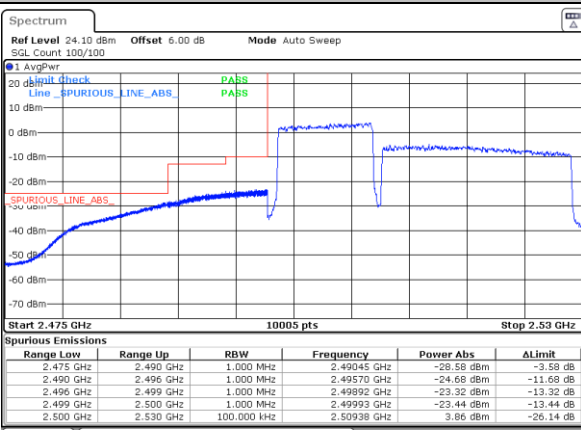
Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



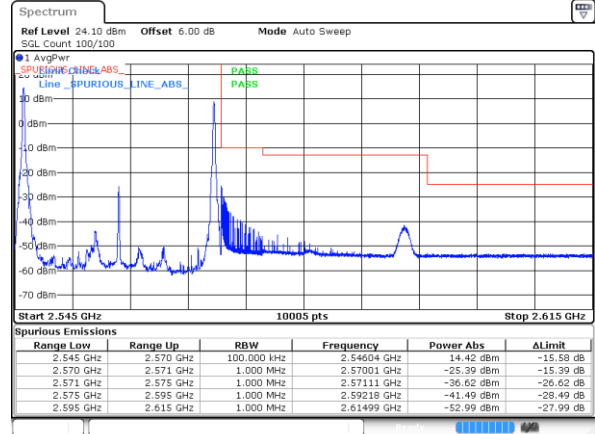
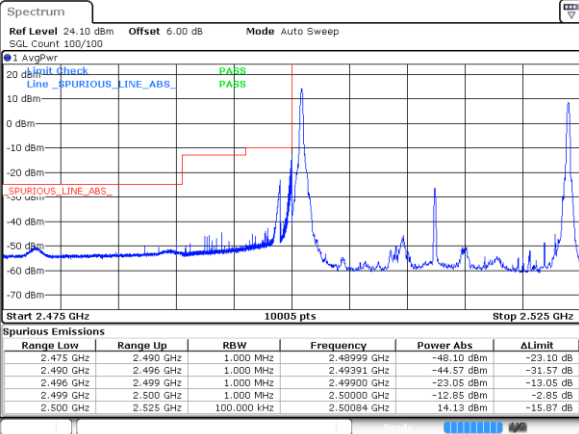


LTE Band 7C / 15MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

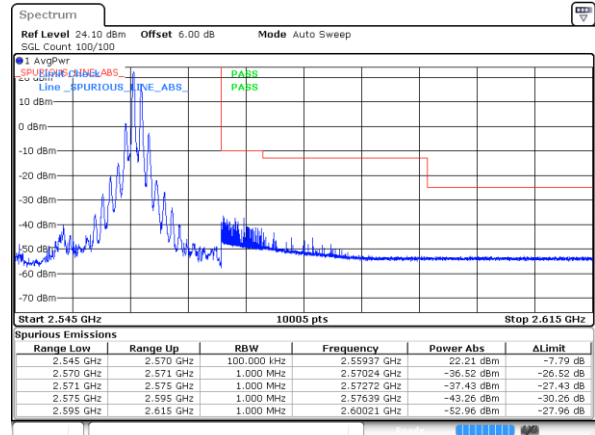
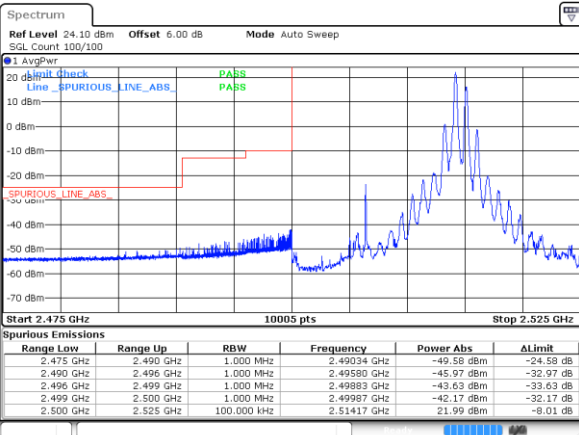


Date: 31 DEC 2020 16:30:03

Date: 31 DEC 2020 16:38:16

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

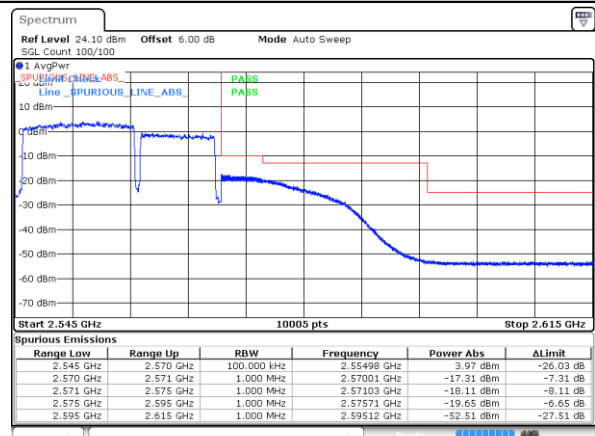
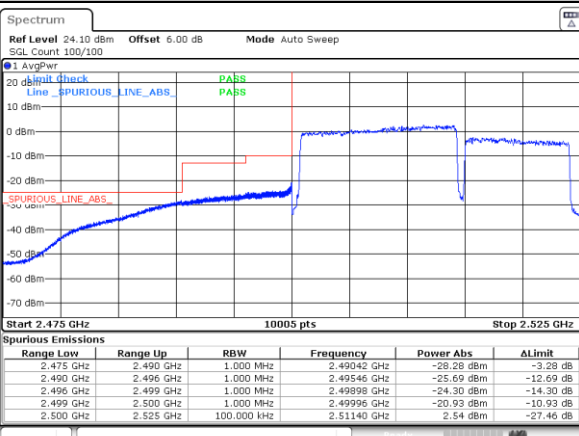


Date: 31 DEC 2020 16:31:30

Date: 31 DEC 2020 16:37:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10 JAN 2021 22:42:51

Date: 31 DEC 2020 16:40:12

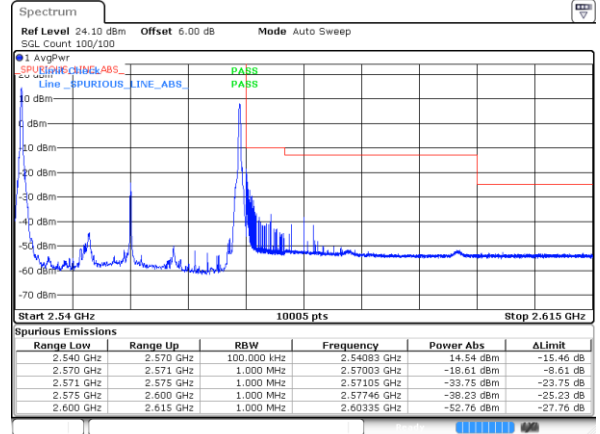
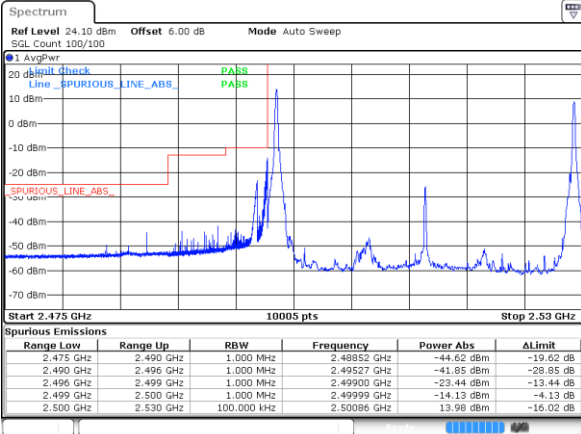


LTE Band 7C / 15MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

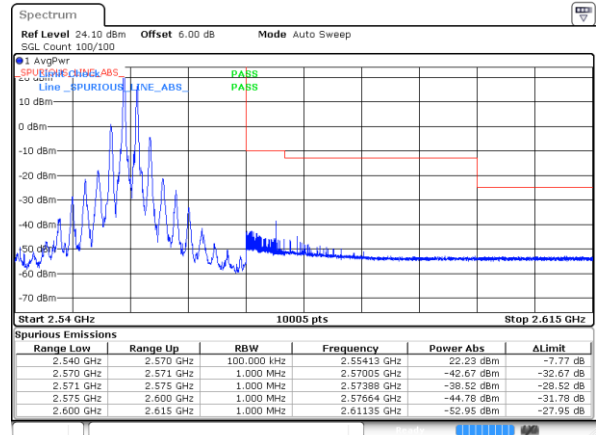
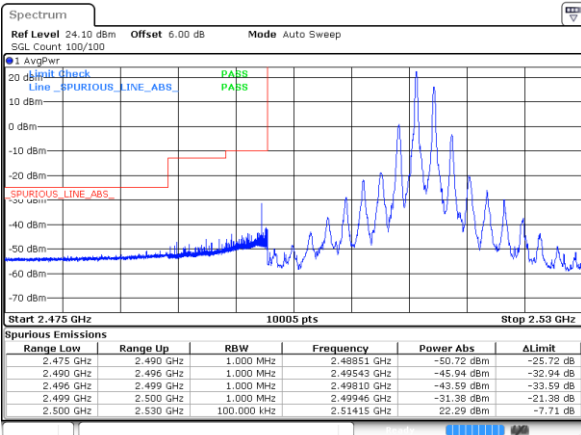


Date: 31 DEC 2020 15:22:38

Date: 31 DEC 2020 15:31:57

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

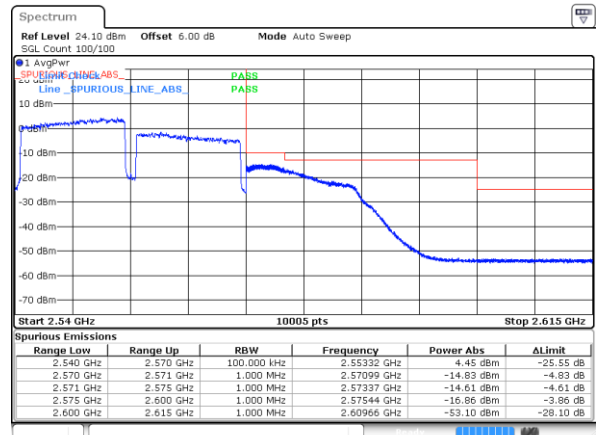
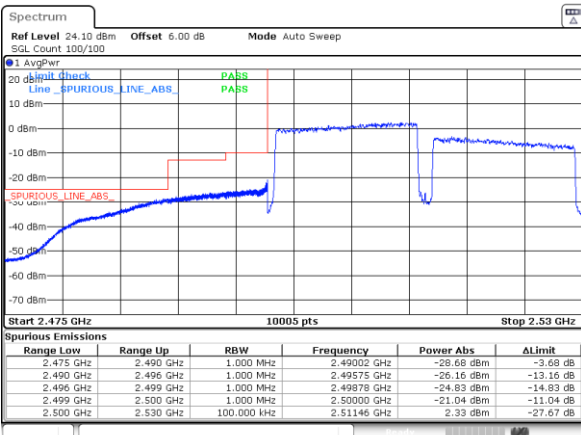


Date: 31 DEC 2020 15:24:59

Date: 31 DEC 2020 15:28:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10 JAN 2021 22:44:09

Date: 31 DEC 2020 15:33:59

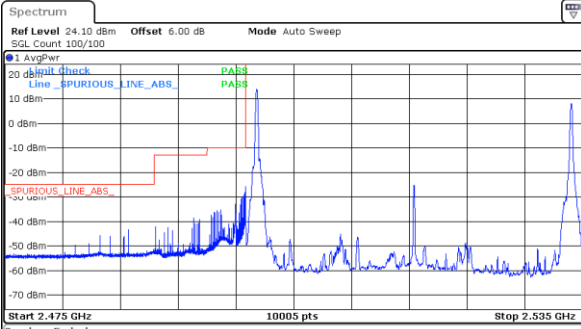


LTE Band 7C / 15MHz+20MHz

QPSK

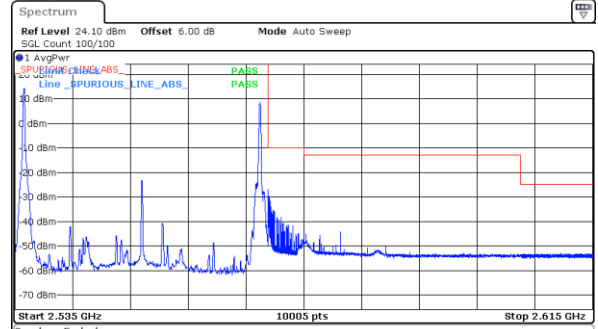
Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48756 GHz	-43.36 dBm	-18.36 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49461 GHz	-38.49 dBm	-25.49 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49891 GHz	-33.00 dBm	-23.00 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.49997 GHz	-25.64 dBm	-15.64 dB
2.500 GHz	2.535 GHz	100.000 kHz	2.50115 GHz	13.93 dBm	-16.07 dB

Date: 31 DEC 2020 15:40:08

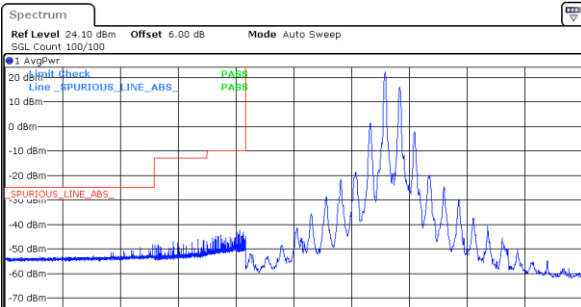


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.535 GHz	2.570 GHz	100.000 kHz	2.53927 GHz	14.39 dBm	-15.61 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57003 GHz	-27.06 dBm	-17.06 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57185 GHz	-38.23 dBm	-28.23 dB
2.575 GHz	2.605 GHz	1.000 MHz	2.58009 GHz	-44.30 dBm	-31.30 dB
2.605 GHz	2.615 GHz	1.000 MHz	2.61051 GHz	-53.03 dBm	-28.03 dB

Date: 31 DEC 2020 15:50:25

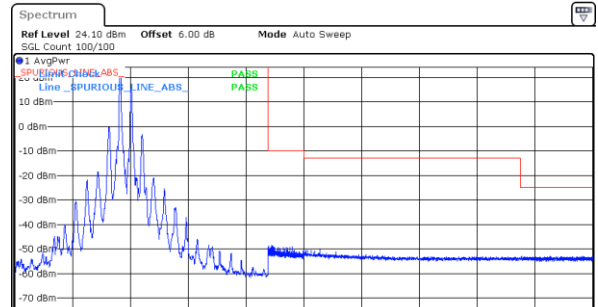
Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49036 GHz	-48.01 dBm	-23.01 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49509 GHz	-46.19 dBm	-33.19 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49743 GHz	-44.40 dBm	-34.40 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.49936 GHz	-42.27 dBm	-32.27 dB
2.500 GHz	2.535 GHz	100.000 kHz	2.51449 GHz	22.27 dBm	-7.73 dB

Date: 31 DEC 2020 15:40:53

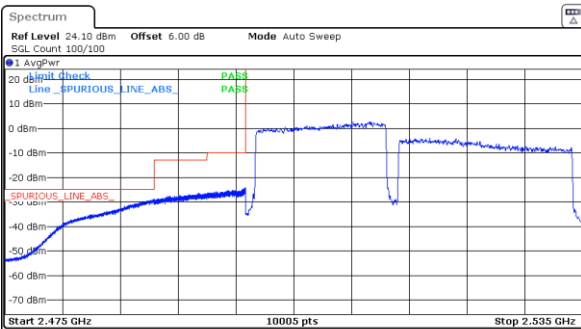


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.535 GHz	2.570 GHz	100.000 kHz	2.54959 GHz	22.25 dBm	-7.75 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57059 GHz	-48.45 dBm	-38.45 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57338 GHz	-49.08 dBm	-39.08 dB
2.575 GHz	2.605 GHz	1.000 MHz	2.57718 GHz	-50.28 dBm	-37.28 dB
2.605 GHz	2.615 GHz	1.000 MHz	2.60914 GHz	-52.95 dBm	-27.95 dB

Date: 31 DEC 2020 15:45:24

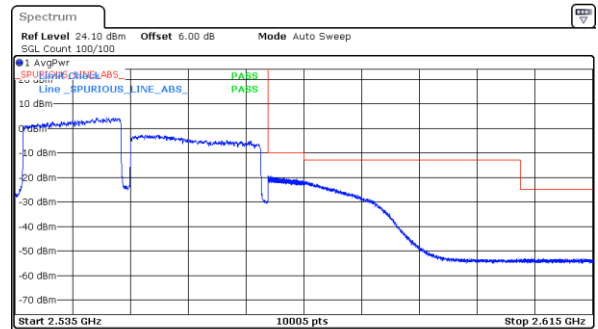
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49048 GHz	-28.60 dBm	-3.60 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49513 GHz	-26.31 dBm	-13.31 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49863 GHz	-25.29 dBm	-15.29 dB
2.499 GHz	2.500 GHz	1.000 MHz	2.49990 GHz	-24.11 dBm	-14.11 dB
2.500 GHz	2.535 GHz	100.000 kHz	2.51285 GHz	2.64 dBm	-27.36 dB

Date: 10 JAN 2021 22:45:35



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.535 GHz	2.570 GHz	100.000 kHz	2.54765 GHz	4.26 dBm	-25.74 dB
2.570 GHz	2.571 GHz	1.000 MHz	2.57044 GHz	-19.34 dBm	-9.34 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57128 GHz	-20.18 dBm	-10.18 dB
2.575 GHz	2.605 GHz	1.000 MHz	2.57526 GHz	-21.60 dBm	-8.60 dB
2.605 GHz	2.615 GHz	1.000 MHz	2.61232 GHz	-53.08 dBm	-28.08 dB

Date: 31 DEC 2020 15:51:12

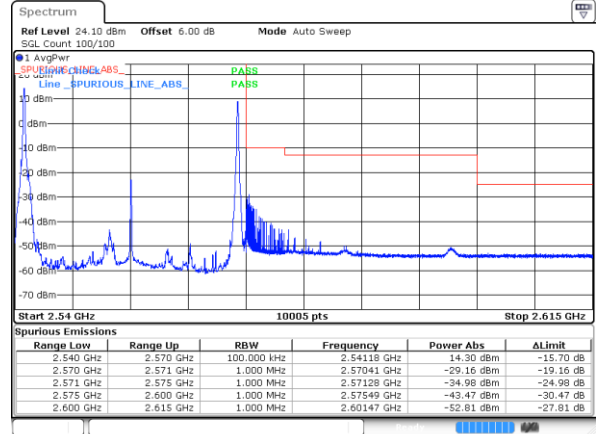
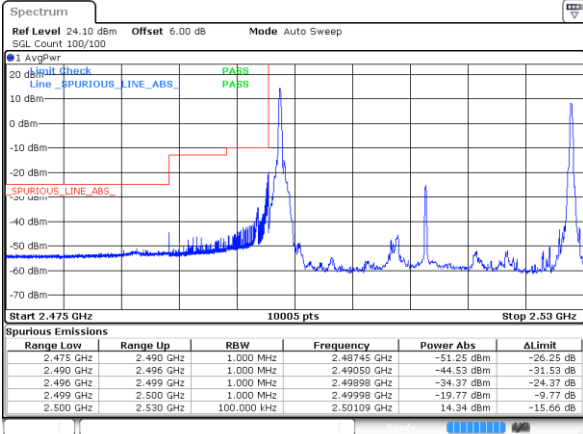


LTE Band 7C / 20MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

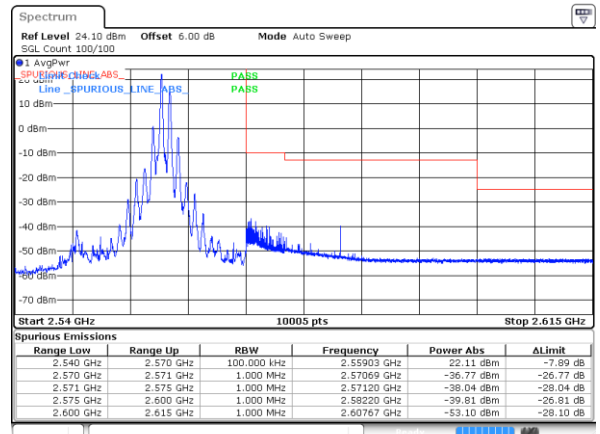
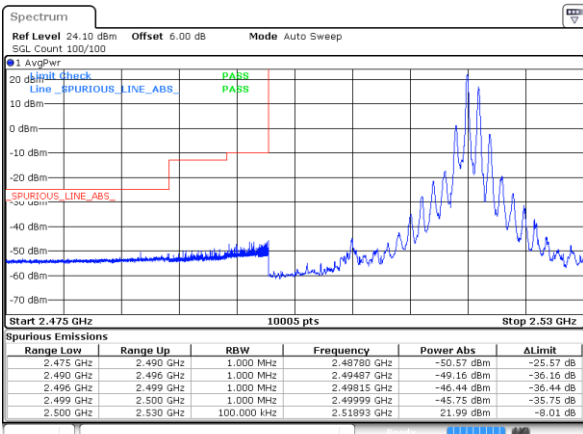


Date: 31 DEC 2020 15:09:51

Date: 31 DEC 2020 15:16:51

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

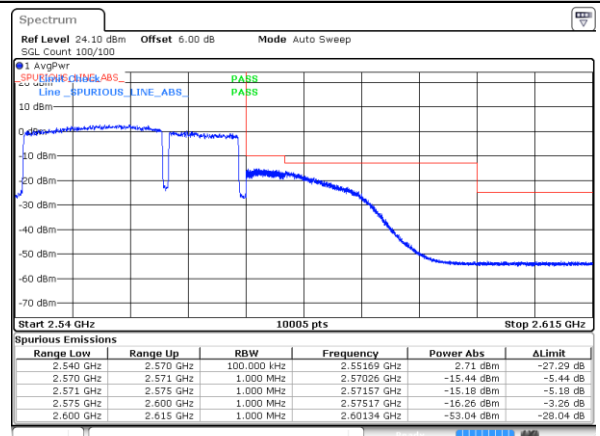
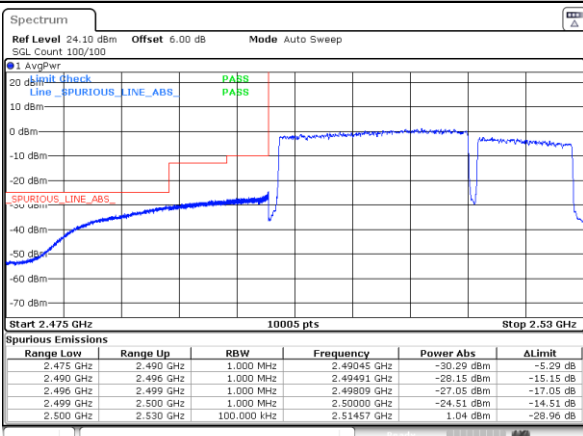


Date: 31 DEC 2020 15:10:20

Date: 31 DEC 2020 15:14:58

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10 JAN 2021 22:47:11

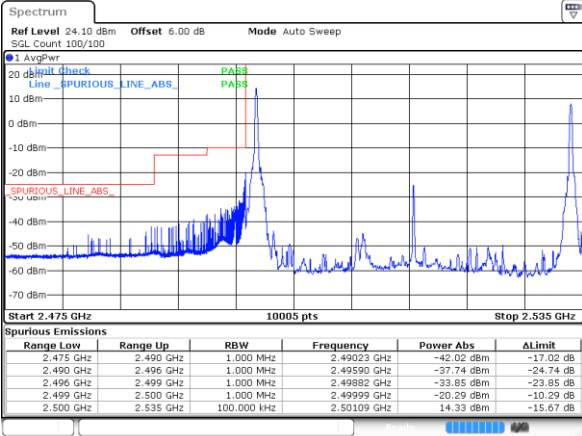
Date: 31 DEC 2020 15:17:21



LTE Band 7C / 20MHz+15MHz

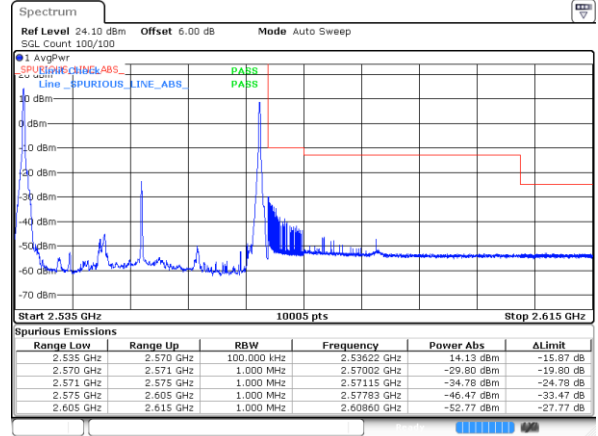
QPSK

Lowest Band Edge / 1RB0 and 1RB74



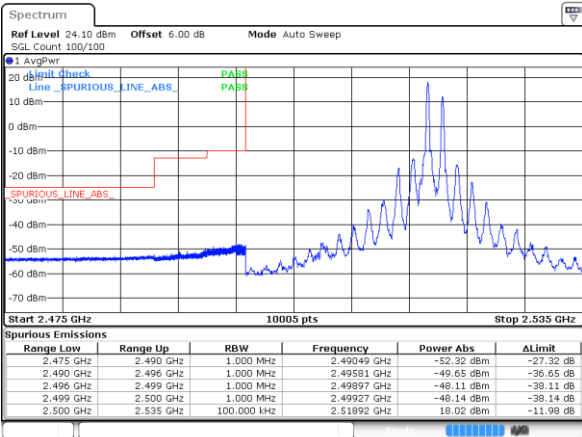
Date: 31 DEC 2020 15:58:12

Highest Band Edge / 1RB0 and 1RB74



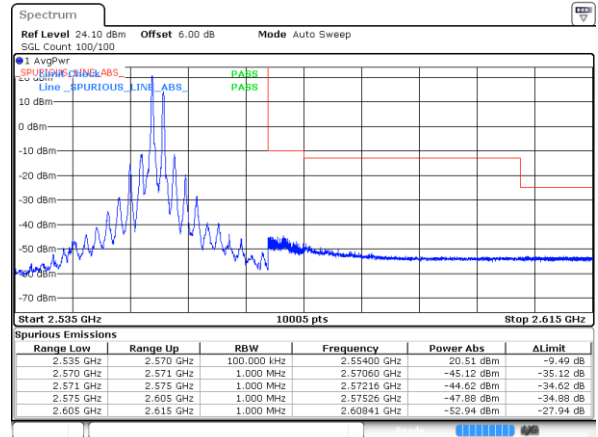
Date: 31 DEC 2020 16:08:24

Lowest Band Edge / 1RB99 and 1RB0



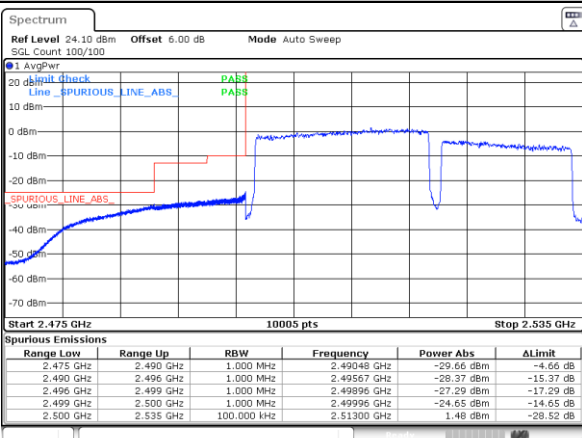
Date: 31 DEC 2020 16:00:44

Highest Band Edge / 1RB99 and 1RB0



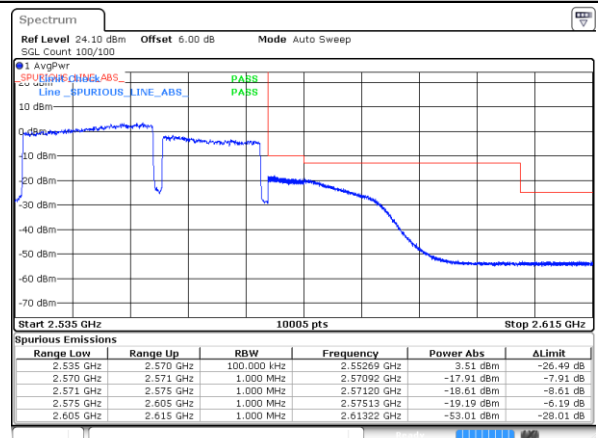
Date: 31 DEC 2020 16:05:12

Lowest Band Edge / Full RB



Date: 10 JAN 2021 22:48:00

Highest Band Edge / Full RB



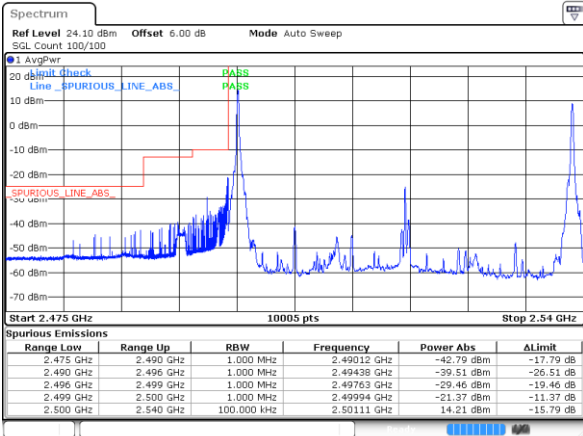
Date: 31 DEC 2020 16:08:55



LTE Band 7C / 20MHz+20MHz

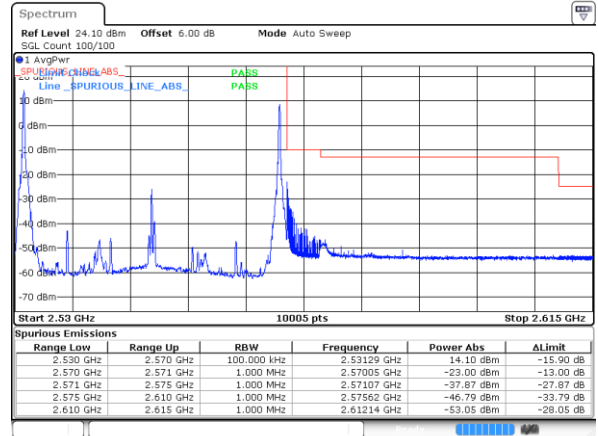
QPSK

Lowest Band Edge / 1RB0 and 1RB9



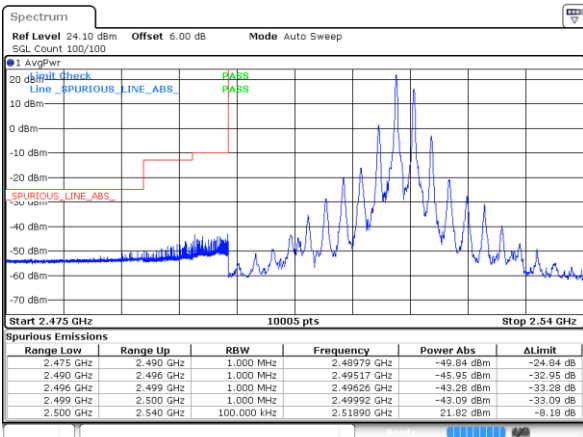
Date: 31 DEC 2020 16:16:37

Highest Band Edge / 1RB0 and 1RB9



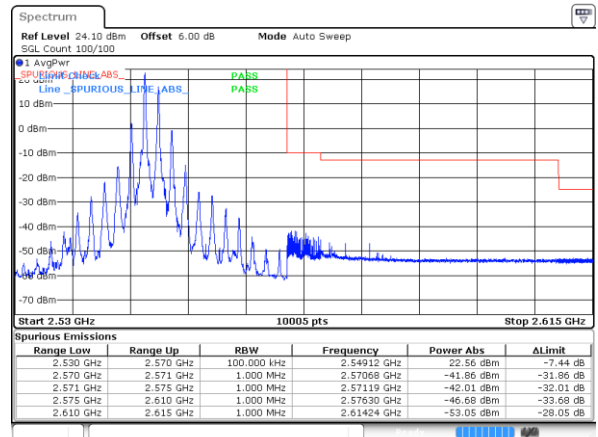
Date: 31 DEC 2020 16:23:26

Lowest Band Edge / 1RB99 and 1RB0



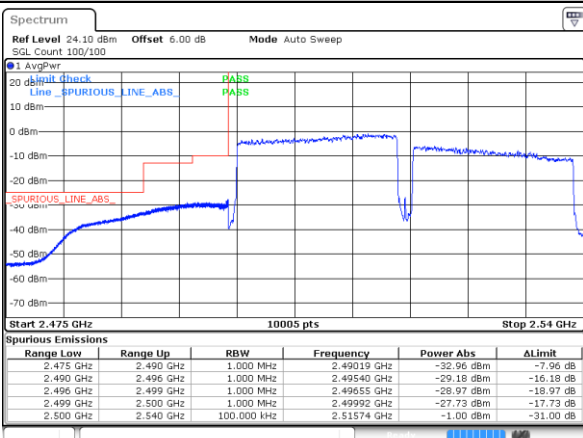
Date: 31 DEC 2020 16:17:05

Highest Band Edge / 1RB99 and 1RB0



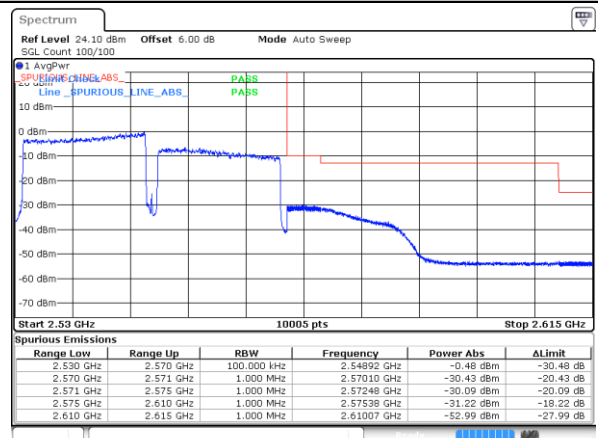
Date: 31 DEC 2020 16:22:47

Lowest Band Edge / Full RB



Date: 31 DEC 2020 16:14:14

Highest Band Edge / Full RB



Date: 31 DEC 2020 16:25:24