

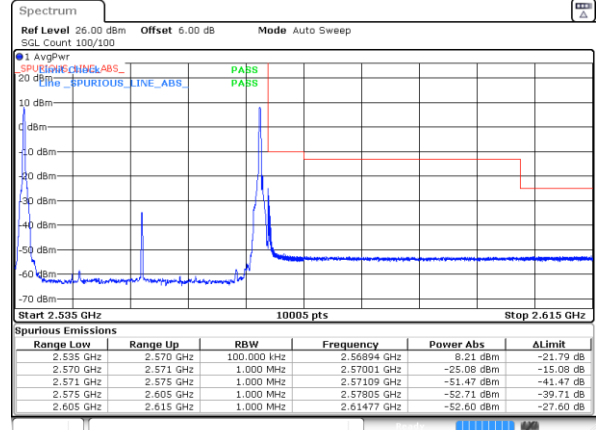
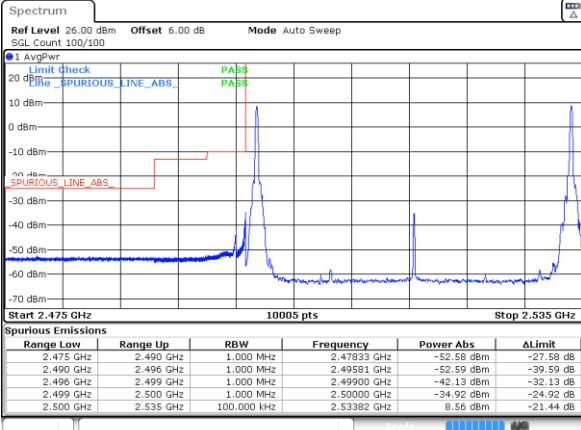


LTE Band 7 / 15MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

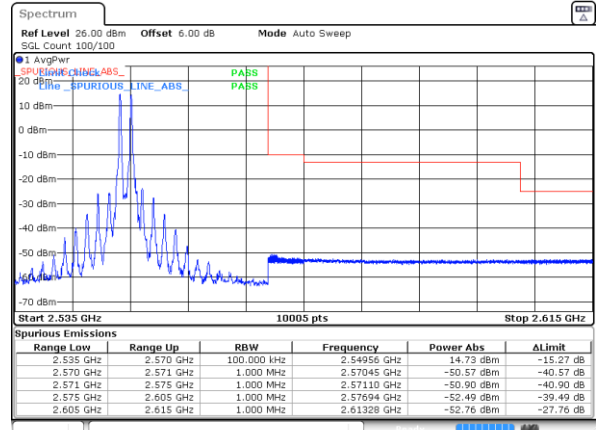
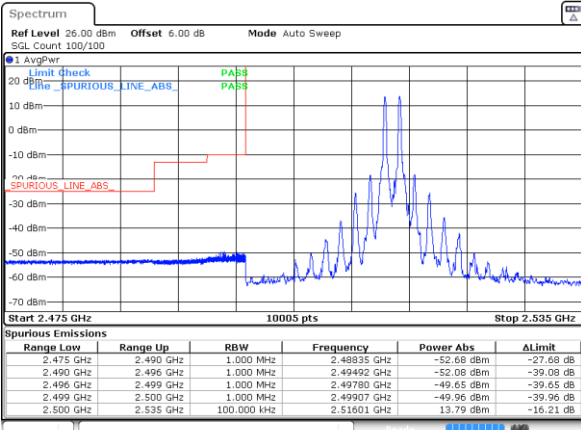


Date: 28 JAN 2022 01:09:54

Date: 28 JAN 2022 01:30:34

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

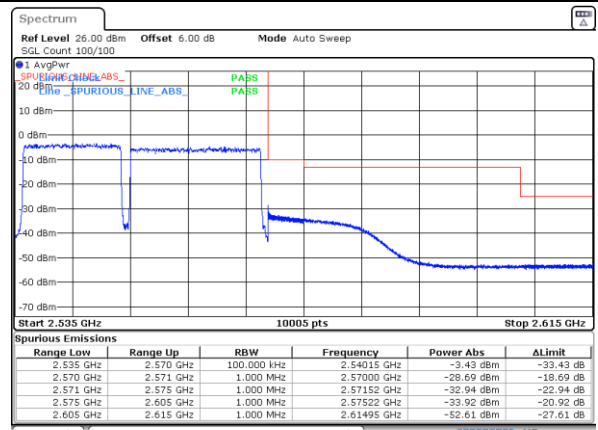
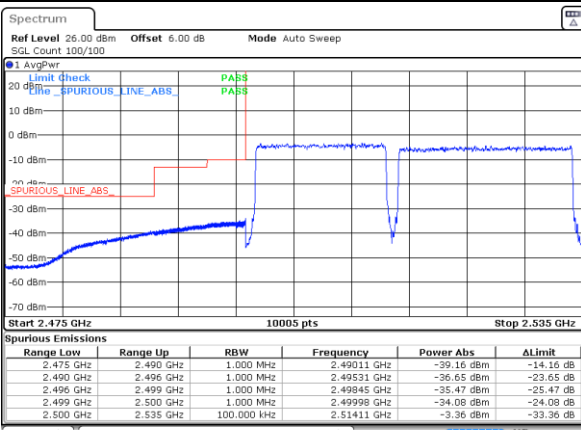


Date: 28 JAN 2022 01:11:43

Date: 28 JAN 2022 01:32:22

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28 JAN 2022 01:20:47

Date: 28 JAN 2022 01:41:22

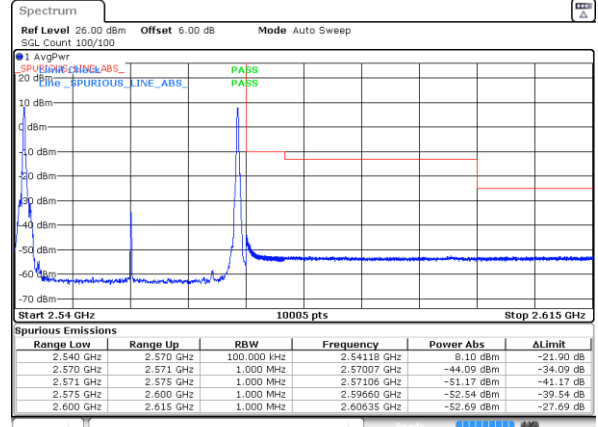
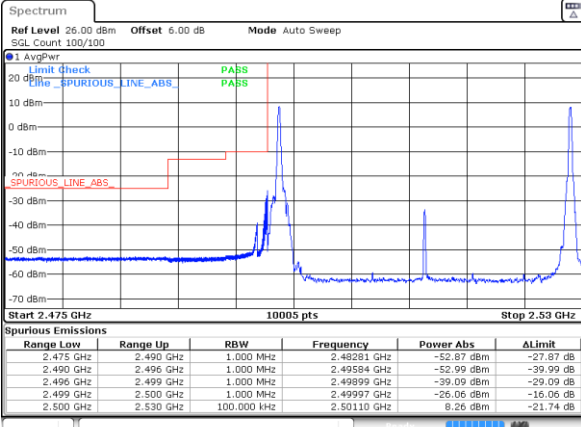


LTE Band 7 / 20MHz+10MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

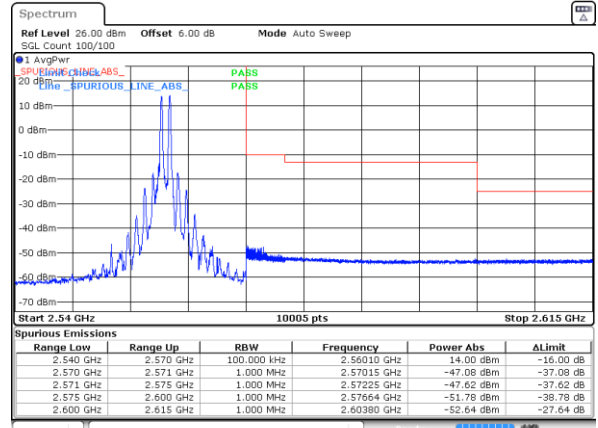
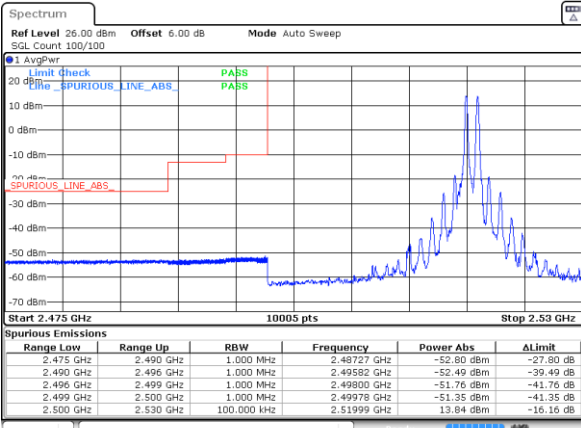


Date: 28 JAN 2022 01:49:00

Date: 28 JAN 2022 02:09:39

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

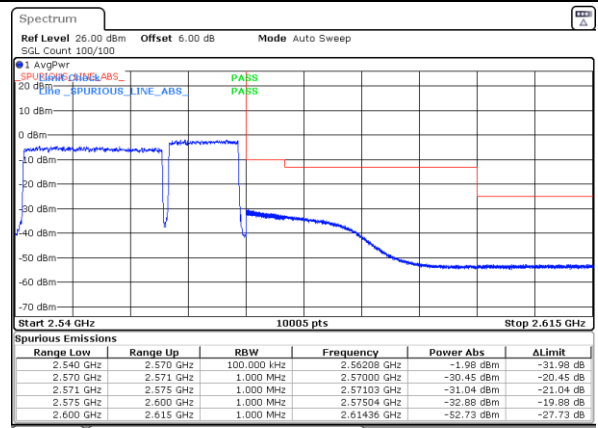
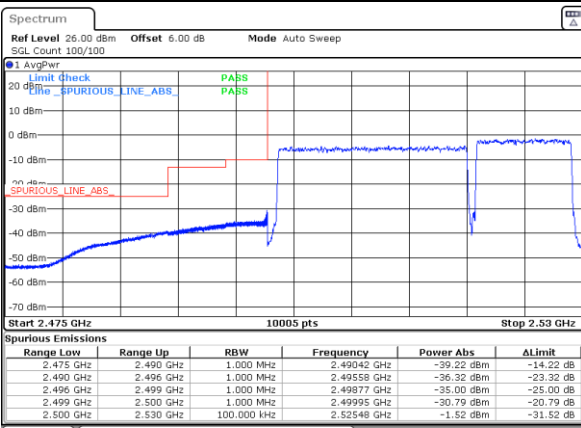


Date: 28 JAN 2022 01:50:49

Date: 28 JAN 2022 02:11:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28 JAN 2022 01:59:52

Date: 28 JAN 2022 02:20:28

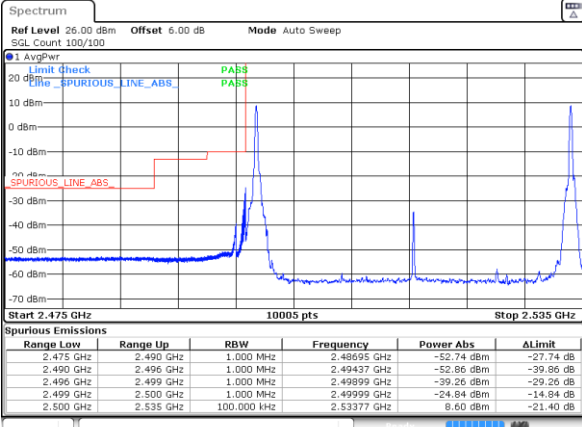


LTE Band 7 / 20MHz+15MHz

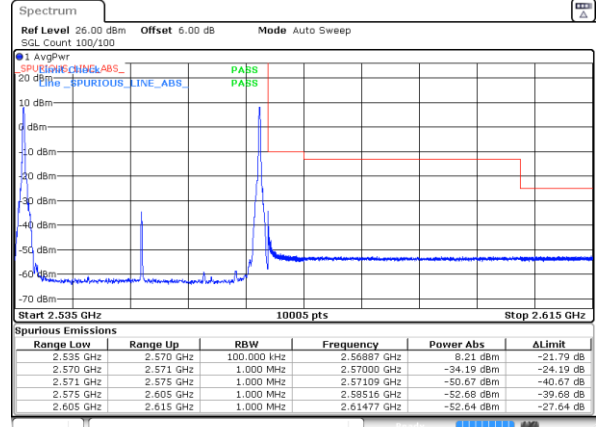
64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74



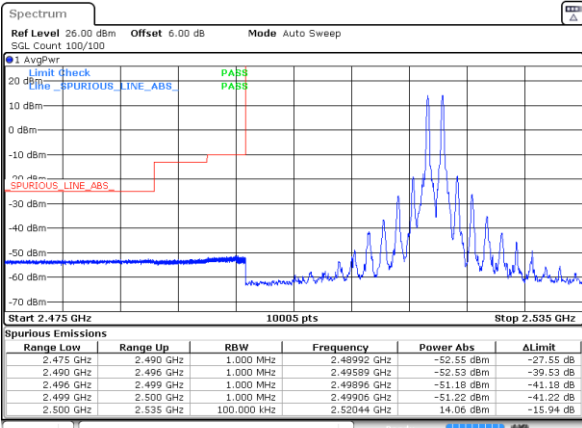
Date: 28 JAN 2022 02:28:07



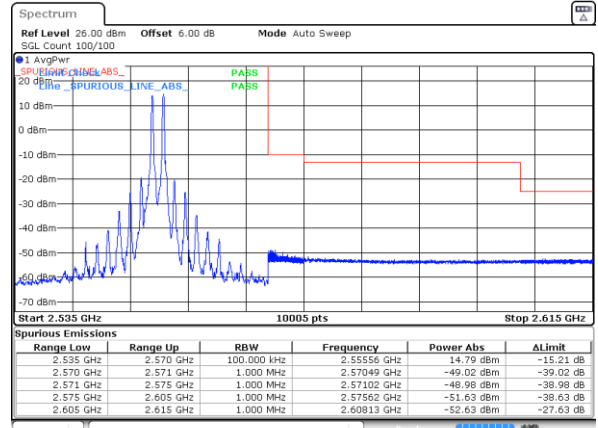
Date: 28 JAN 2022 02:48:45

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0



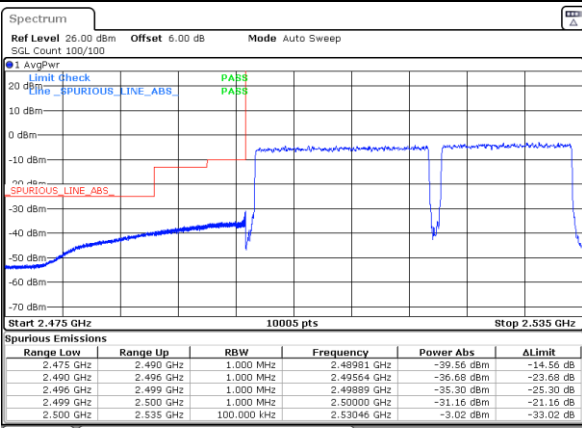
Date: 28 JAN 2022 02:29:55



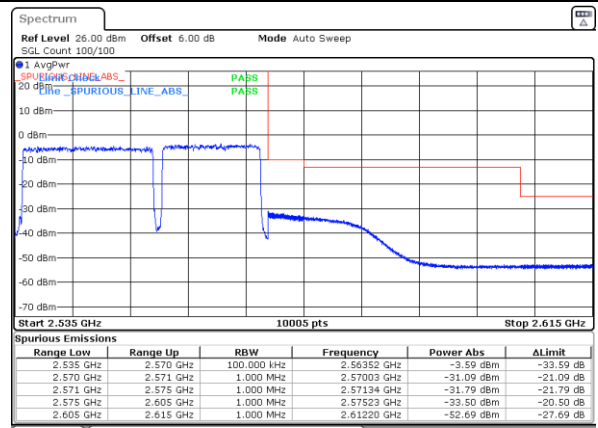
Date: 28 JAN 2022 02:50:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28 JAN 2022 02:38:58



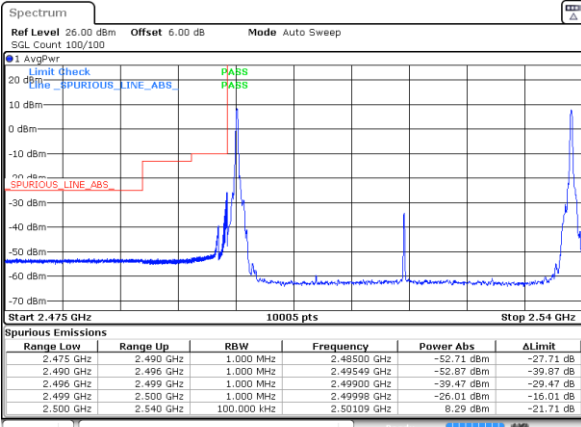
Date: 28 JAN 2022 02:59:33



LTE Band 7 / 20MHz+20MHz

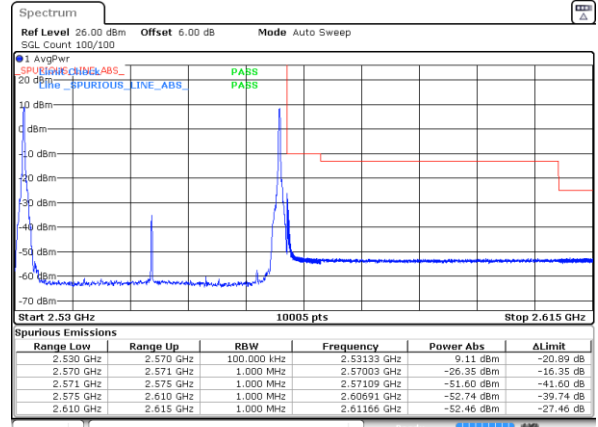
64QAM

Lowest Band Edge / 1RB0 and 1RB9



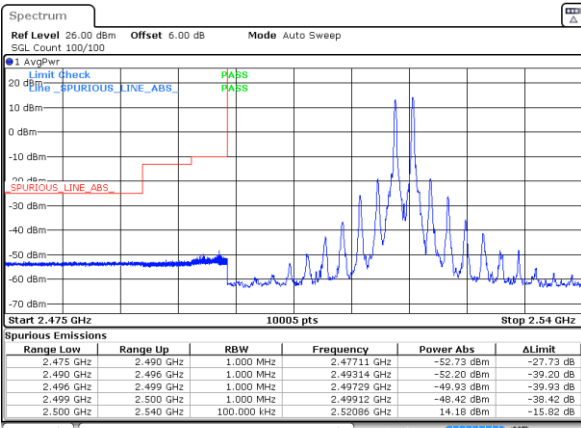
Date: 28 JAN 2022 03:07:11

Highest Band Edge / 1RB0 and 1RB9



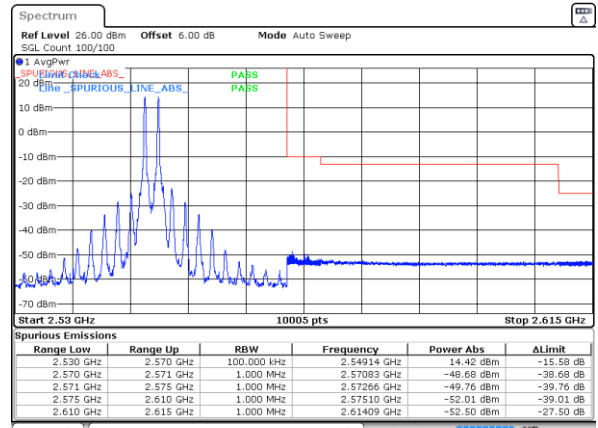
Date: 28 JAN 2022 03:28:00

Lowest Band Edge / 1RB99 and 1RB0



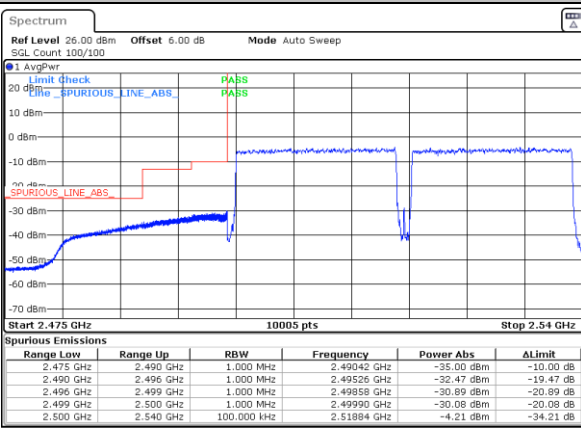
Date: 28 JAN 2022 03:09:09

Highest Band Edge / 1RB99 and 1RB0



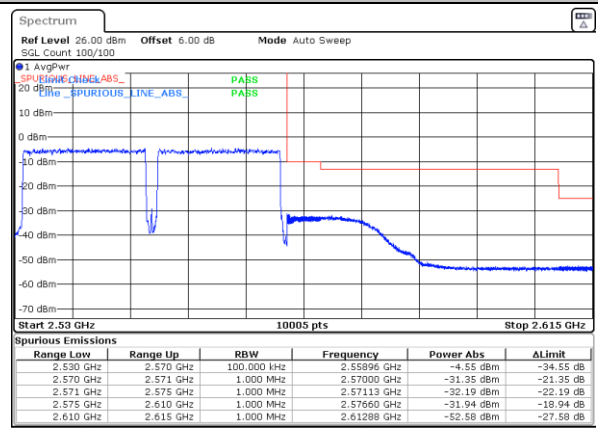
Date: 28 JAN 2022 03:29:49

Lowest Band Edge / Full RB



Date: 28 JAN 2022 03:18:13

Highest Band Edge / Full RB



Date: 28 JAN 2022 03:38:49



# Conducted Spurious Emission

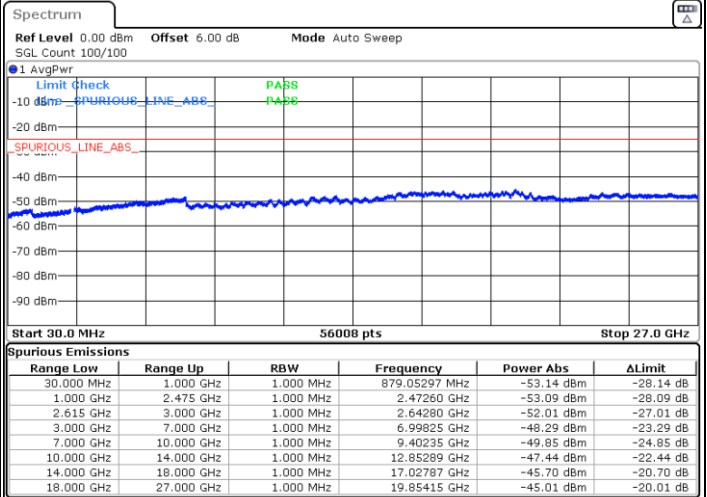
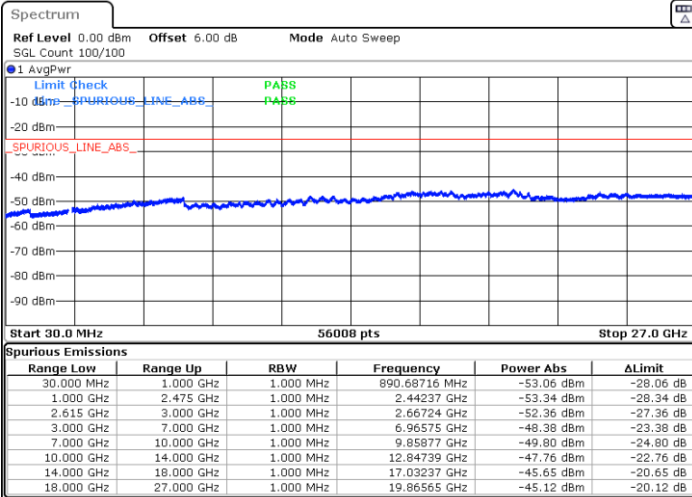




LTE Band 7 / 15MHz+10MHz

Lowest Channel / QPSK

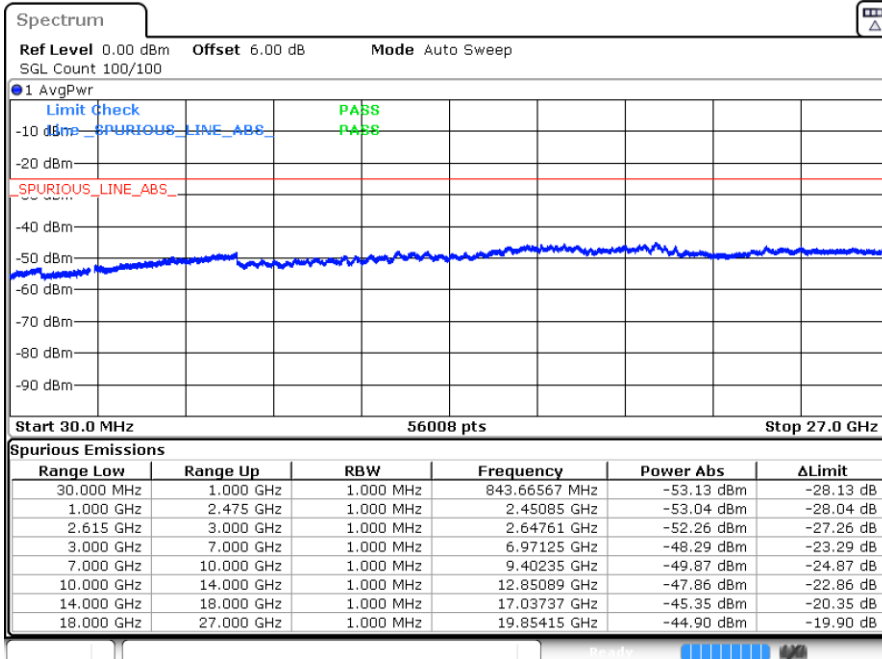
Middle Channel / QPSK



Date: 27.JAN.2022 23:39:31

Date: 27.JAN.2022 23:58:00

Highest Channel / QPSK



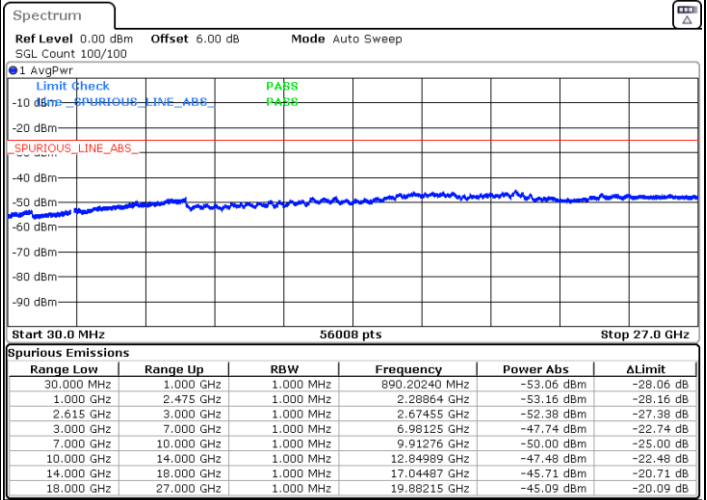
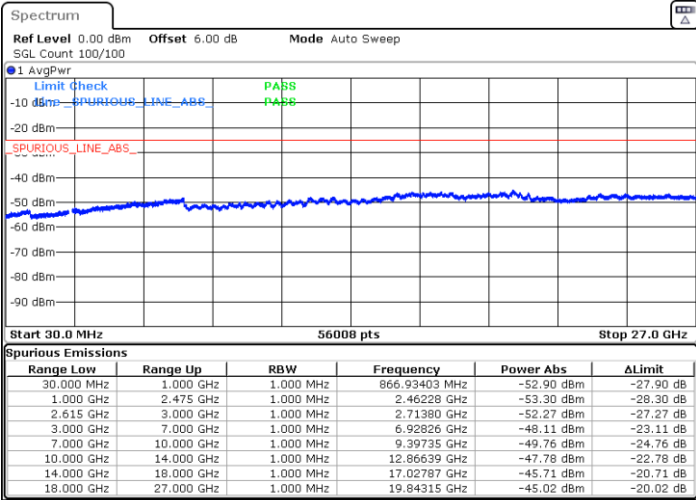
Date: 28.JAN.2022 00:00:12



LTE Band 7 / 15MHz+15MHz

Lowest Channel / QPSK

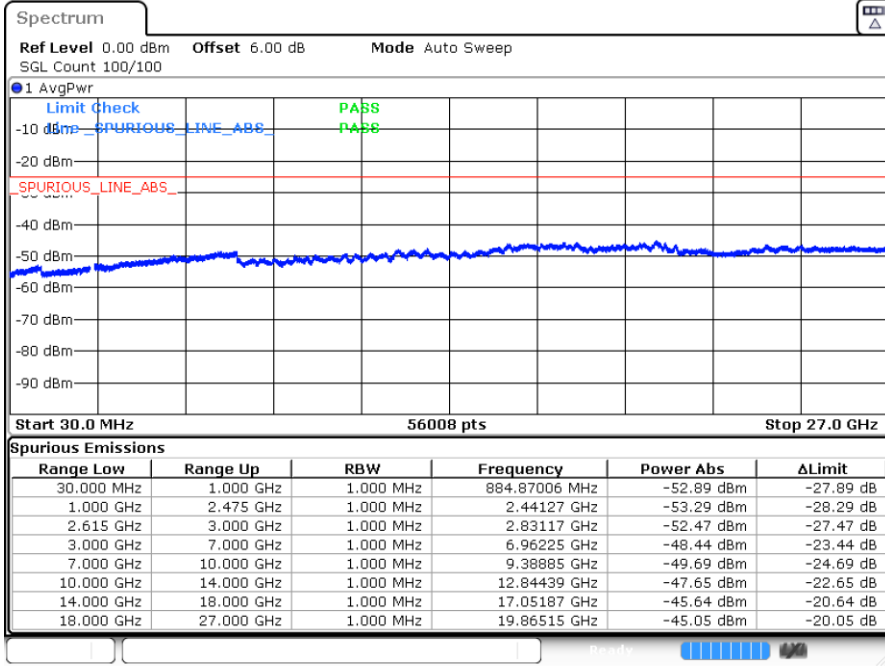
Middle Channel / QPSK



Date: 28 JAN 2022 00:18:41

Date: 28 JAN 2022 00:37:11

Highest Channel / QPSK



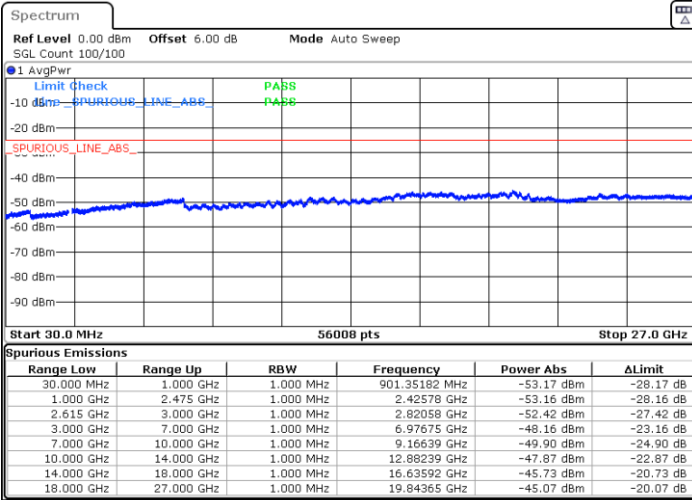
Date: 28 JAN 2022 00:39:22



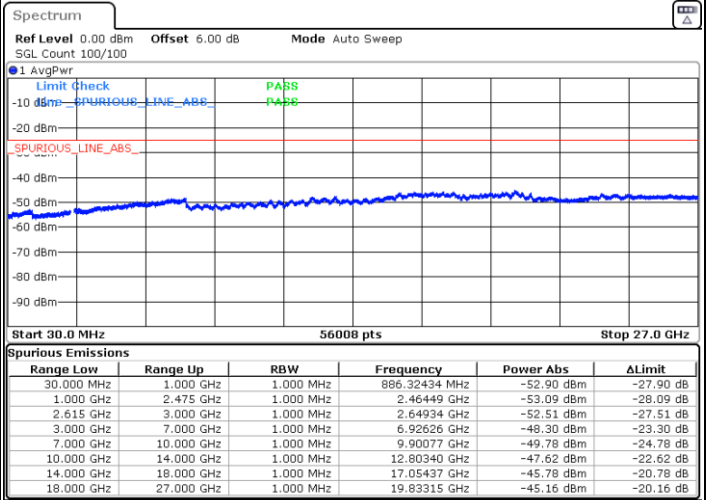
LTE Band 7 / 15MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

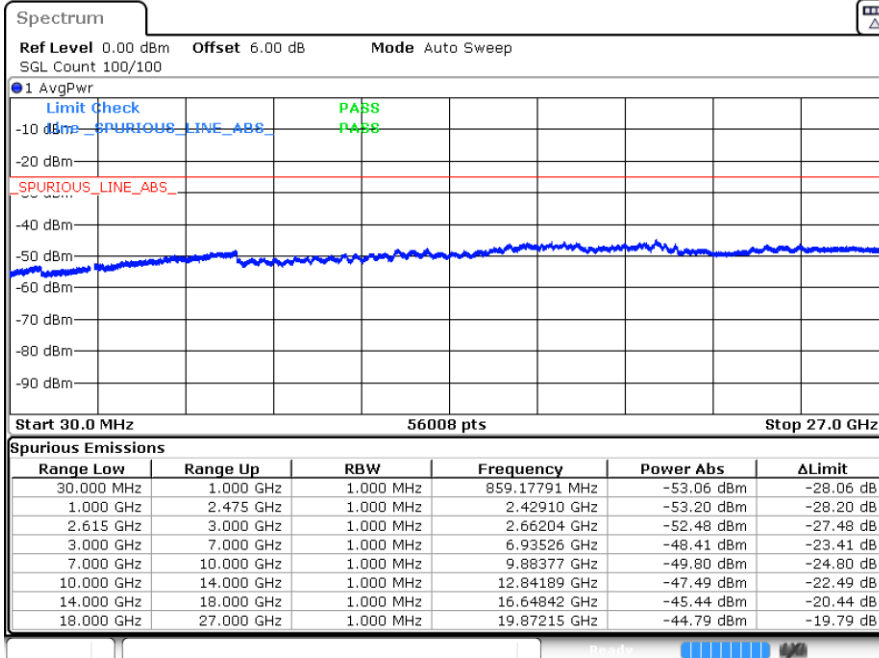


Date: 28 JAN 2022 01:04:27



Date: 28 JAN 2022 01:22:58

Highest Channel / QPSK



Date: 28 JAN 2022 01:25:09

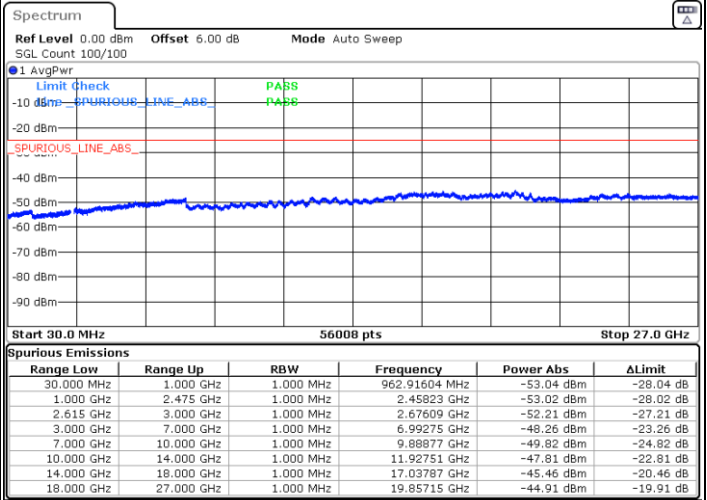
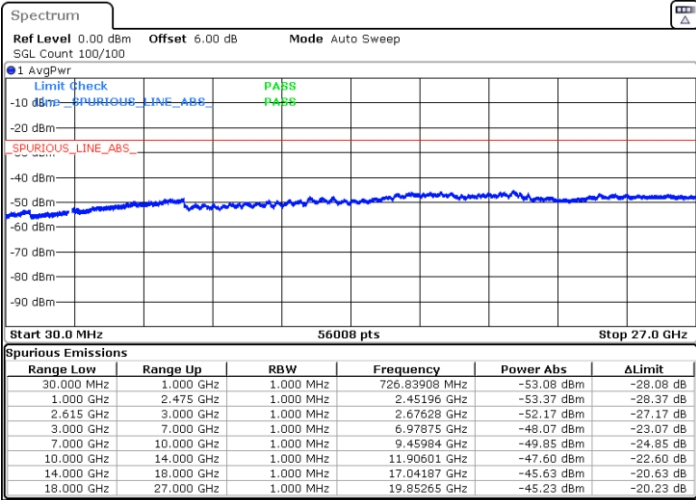




LTE Band 7 / 20MHz+10MHz

Lowest Channel / QPSK

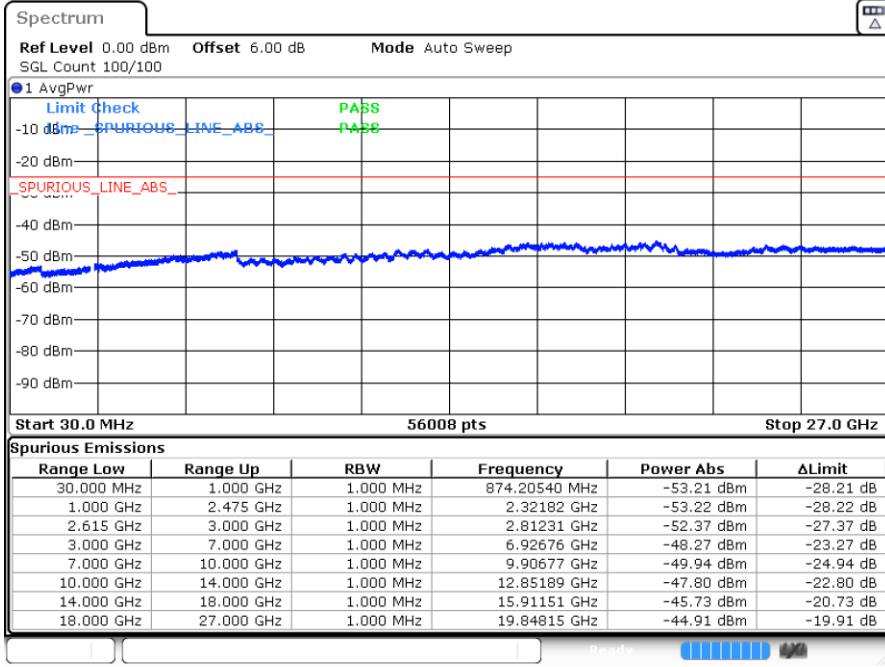
Middle Channel / QPSK



Date: 28 JAN 2022 01:43:34

Date: 28 JAN 2022 02:02:03

Highest Channel / QPSK



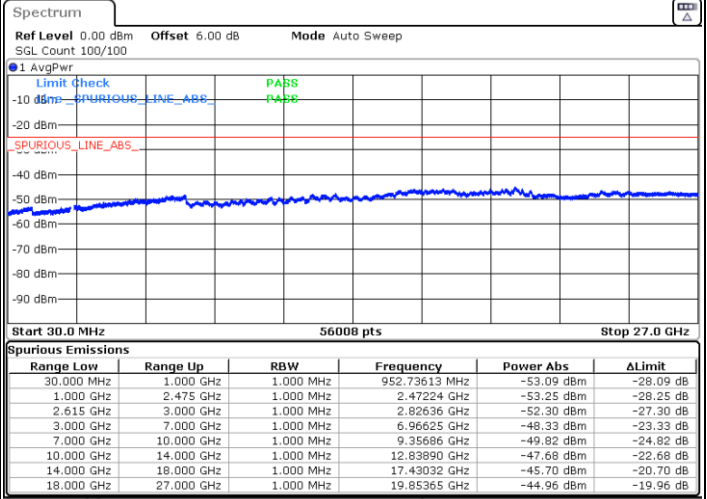
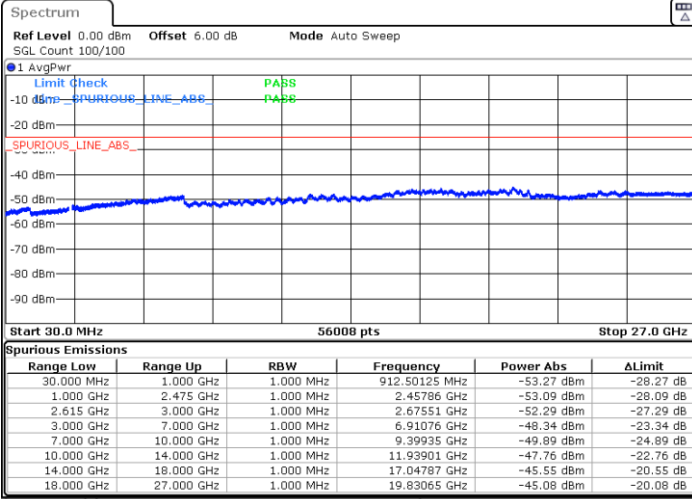
Date: 28 JAN 2022 02:04:14



LTE Band 7 / 20MHz+15MHz

Lowest Channel / QPSK

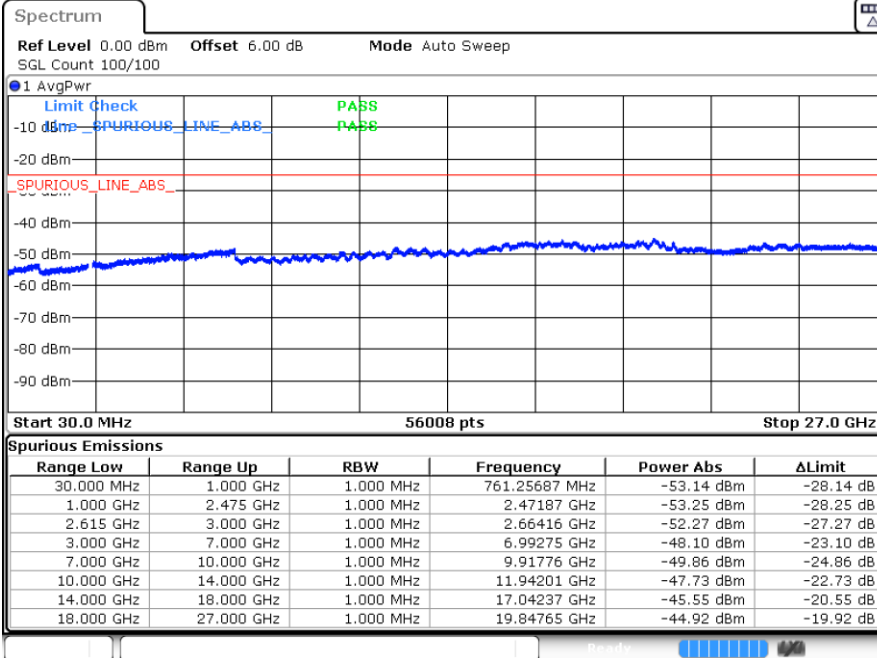
Middle Channel / QPSK



Date: 28 JAN 2022 02:22:41

Date: 28 JAN 2022 02:41:09

Highest Channel / QPSK



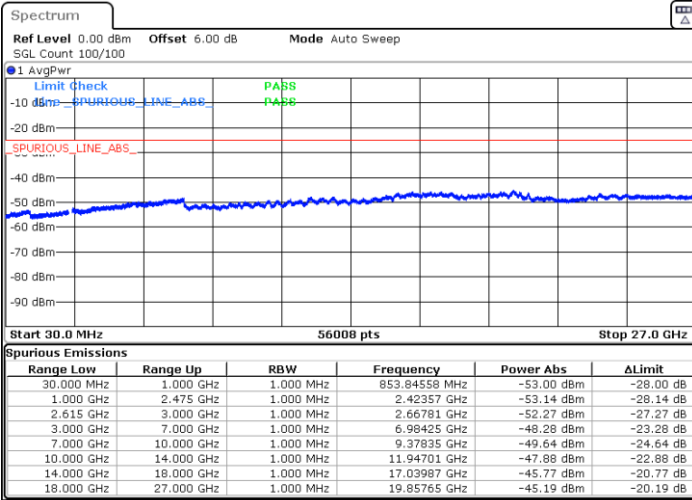
Date: 28 JAN 2022 02:43:20



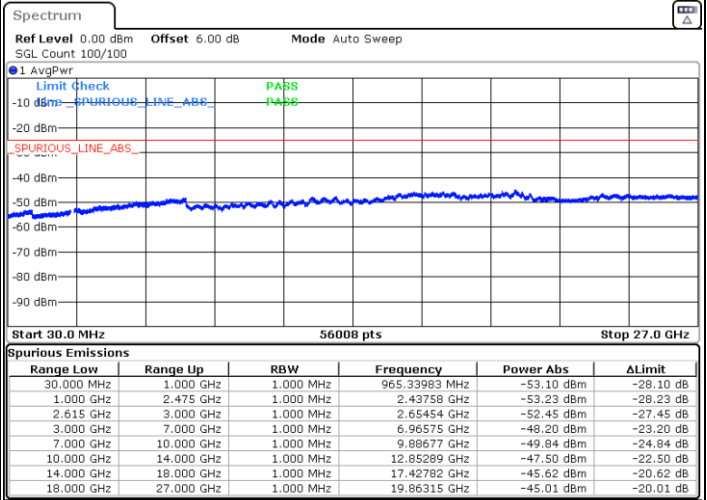
LTE Band 7 /20MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

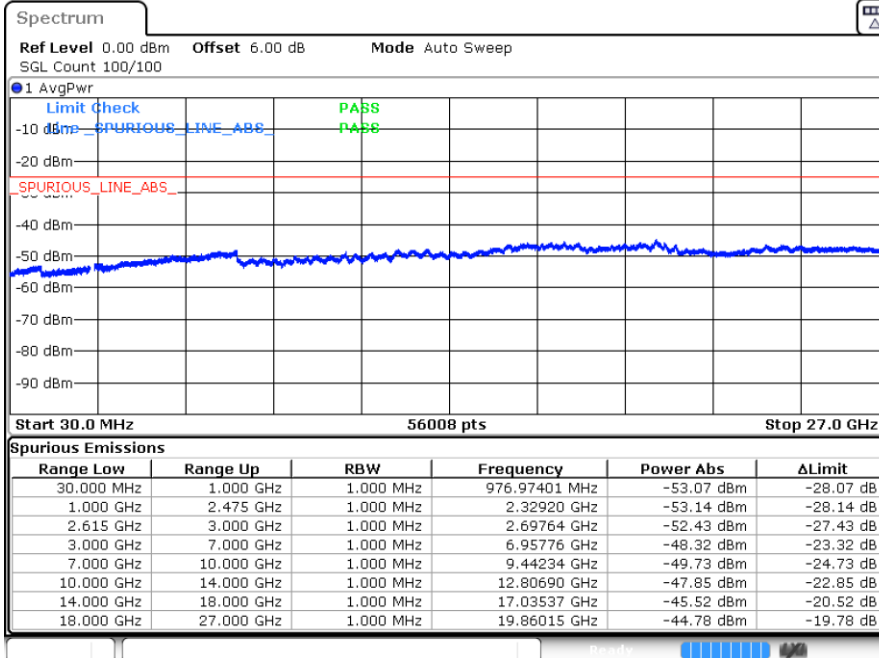


Date: 28 JAN 2022 03:01:45



Date: 28 JAN 2022 03:20:24

Highest Channel / QPSK



Date: 28 JAN 2022 03:22:36



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0021	
20	Battery End Point	0.0015	

Note:

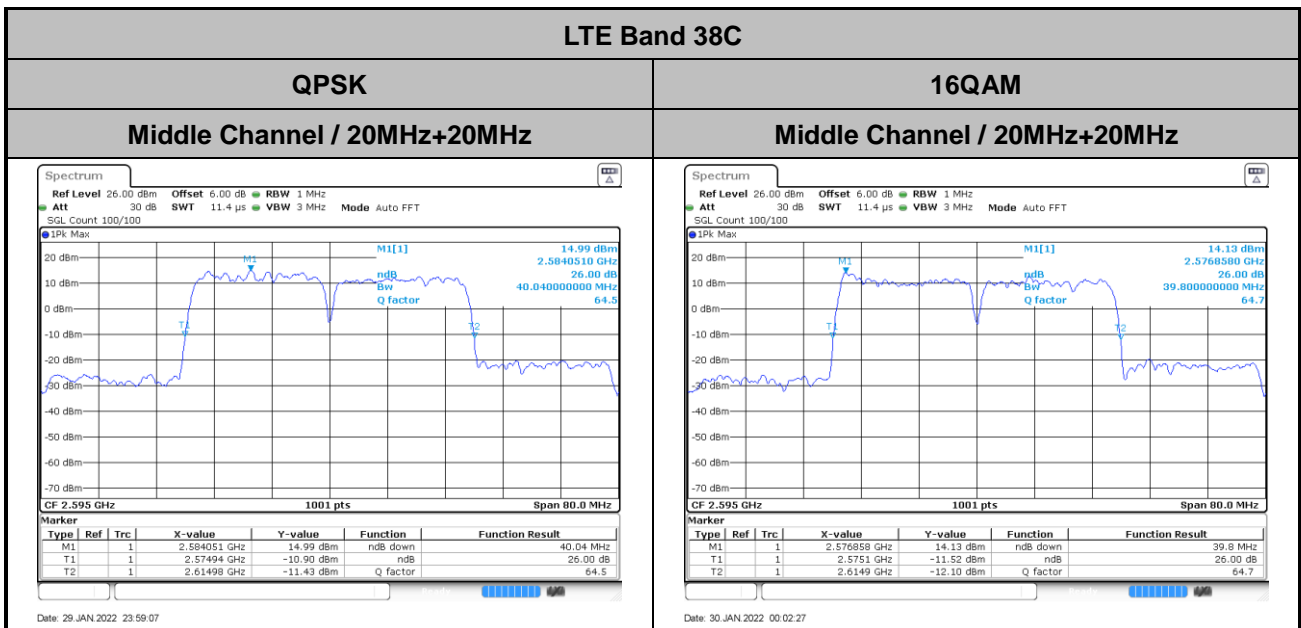
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 38C

## 26dB Bandwidth

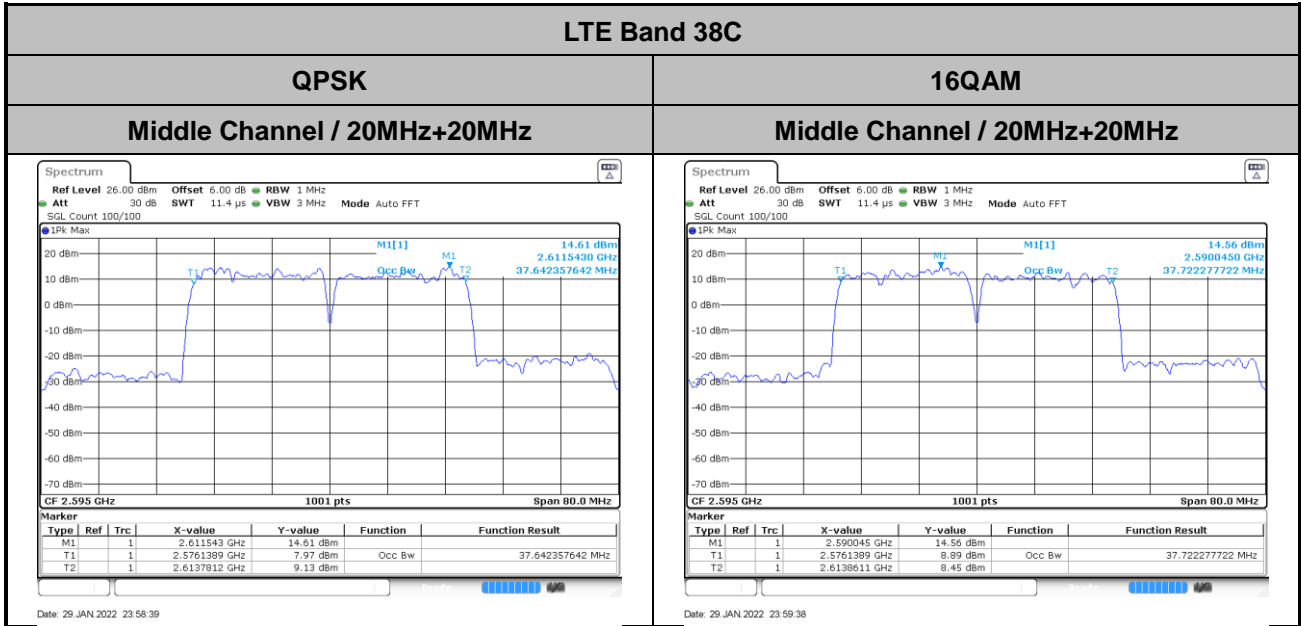
Mode	LTE Band 38C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	40.04	39.80





# Occupied Bandwidth

Mode	LTE Band 38C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.64	37.72





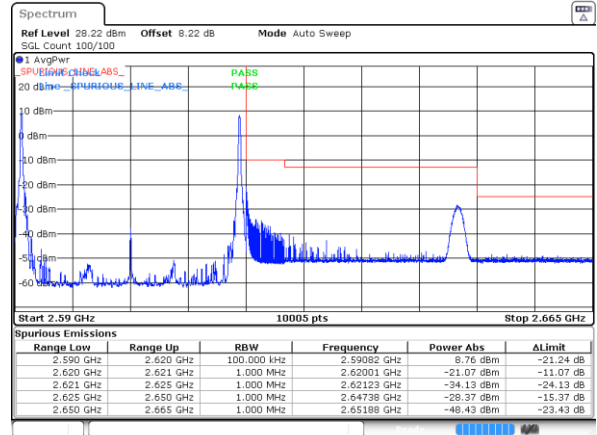
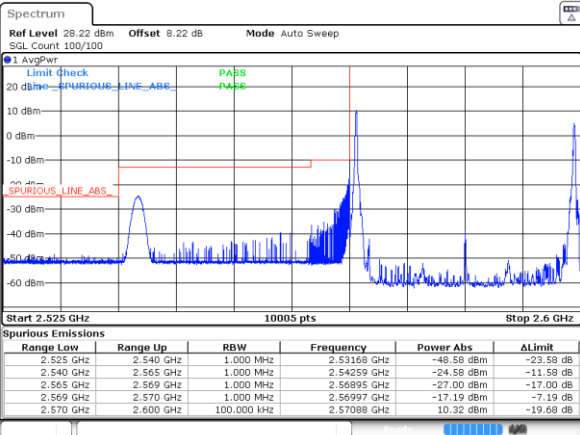
# Conducted Band Edge

## LTE Band 38C / 15MHz+15MHz

### QPSK

#### Lowest Band Edge / 1RB0 and 1RB74

#### Highest Band Edge / 1RB0 and 1RB74

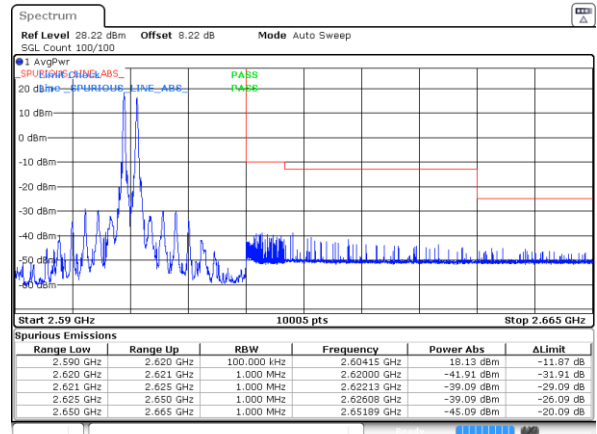
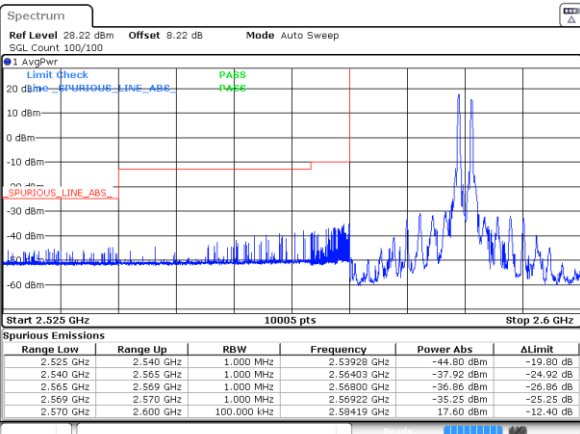


Date: 29 JAN 2022 22:03:50

Date: 29 JAN 2022 22:16:55

#### Lowest Band Edge / 1RB74 and 1RB0

#### Highest Band Edge / 1RB74 and 1RB0

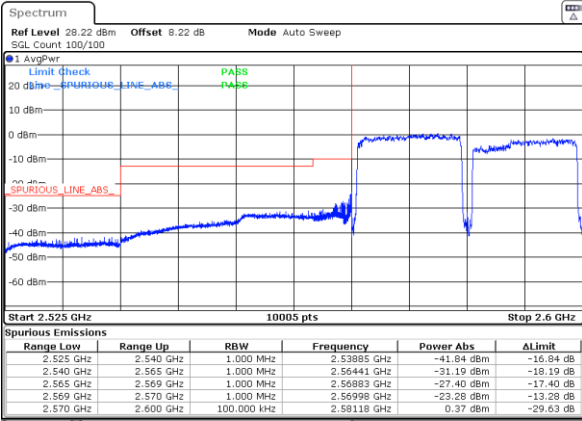


Date: 29 JAN 2022 22:05:37

Date: 29 JAN 2022 22:25:51

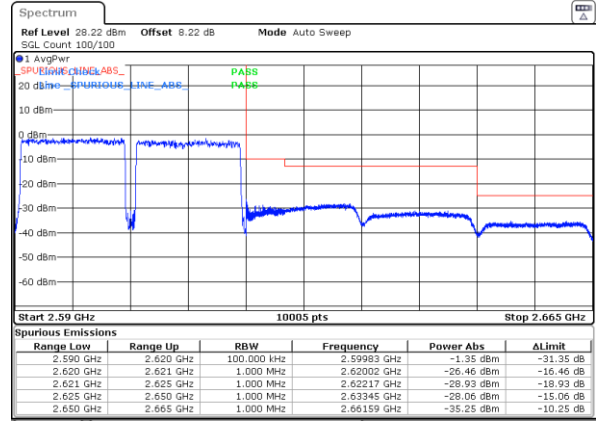


Lowest Band Edge / Full RB



Date: 28 JAN 2022 21:54:50

Highest Band Edge / Full RB



Date: 29 JAN 2022 22:15:07

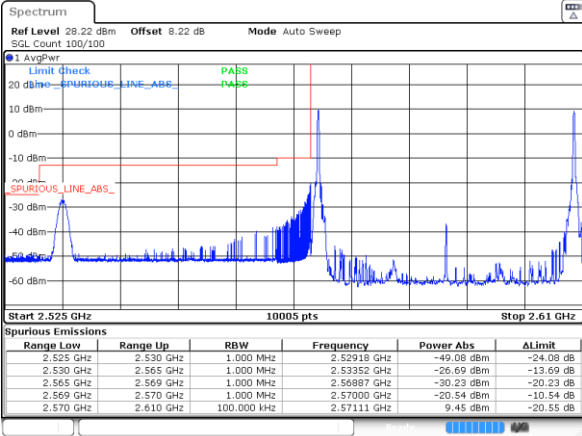




LTE Band 38C / 20MHz+20MHz

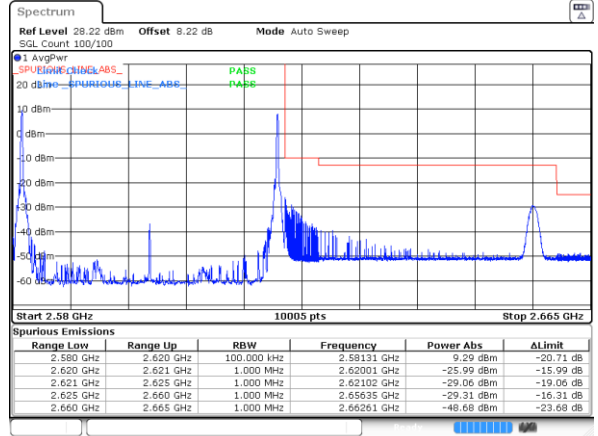
QPSK

Lowest Band Edge / 1RB0 and 1RB9



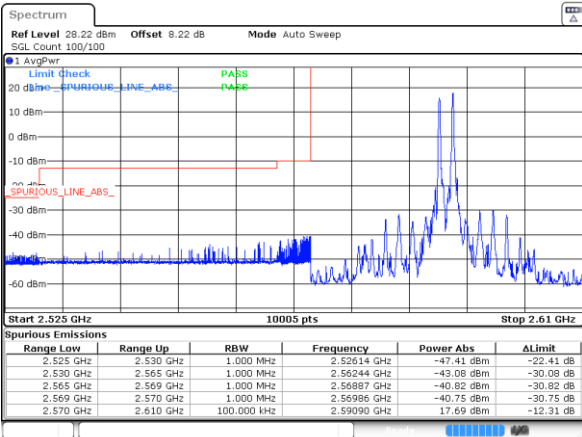
Date: 29 JAN 2022 23:19:22

Highest Band Edge / 1RB0 and 1RB9



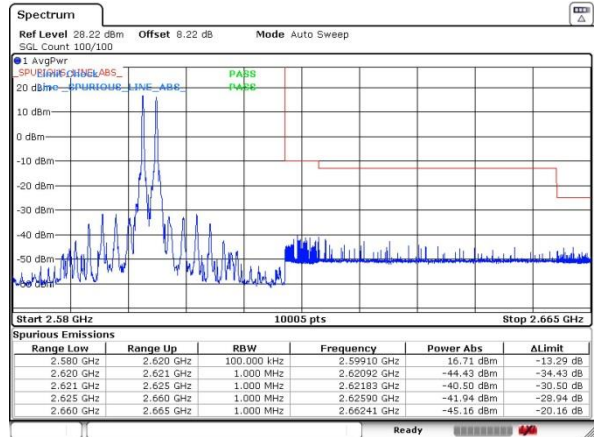
Date: 29 JAN 2022 23:32:10

Lowest Band Edge / 1RB99 and 1RB0



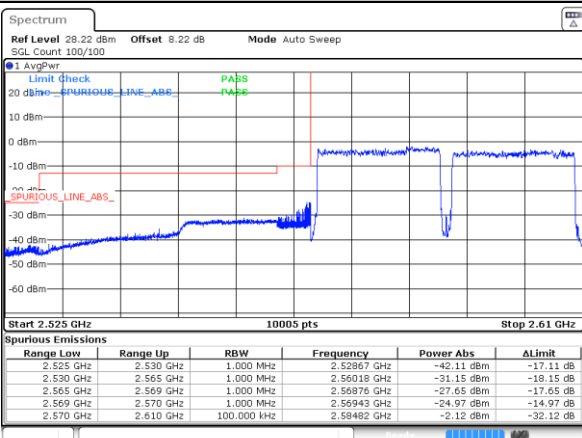
Date: 29 JAN 2022 23:21:22

Highest Band Edge / 1RB99 and 1RB0



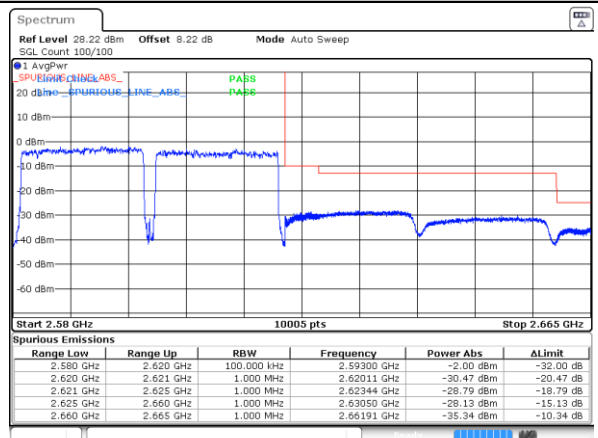
Date: 30 JAN 2022 07:38:01

Lowest Band Edge / Full RB



Date: 29 JAN 2022 23:10:21

Highest Band Edge / Full RB



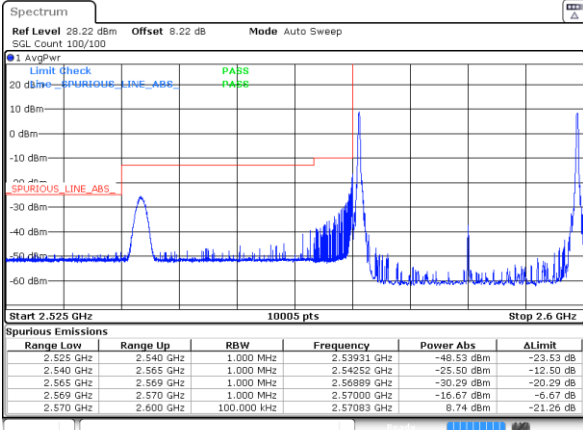
Date: 29 JAN 2022 23:30:23



LTE Band 38C / 15MHz+15MHz

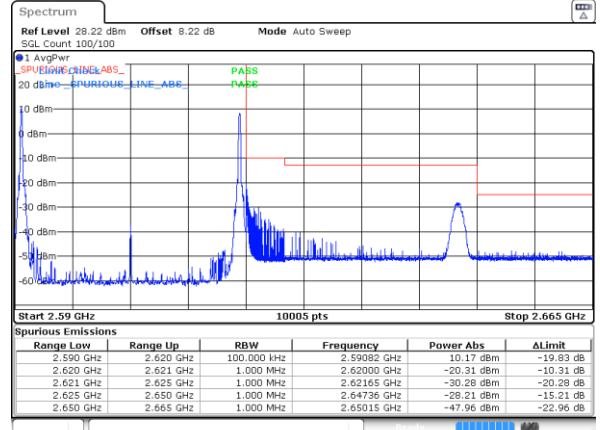
16QAM

Lowest Band Edge / 1RB0 and 1RB74



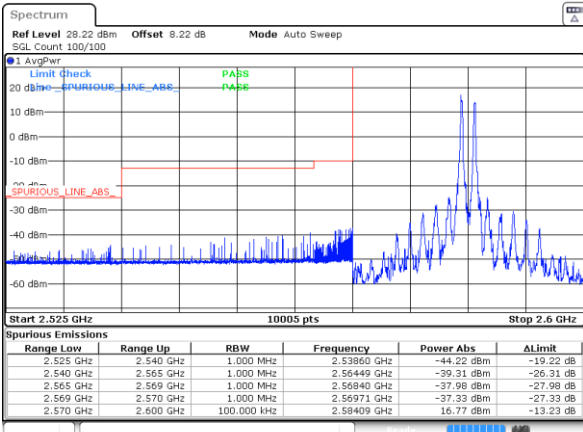
Date: 29 JAN 2022 22:02:02

Highest Band Edge / 1RB0 and 1RB74



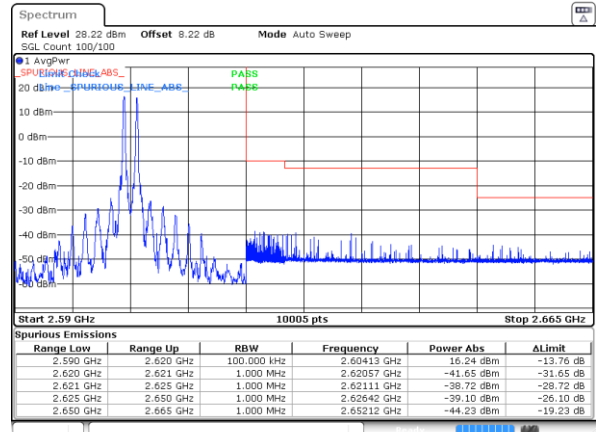
Date: 29 JAN 2022 22:18:42

Lowest Band Edge / 1RB74 and 1RB0



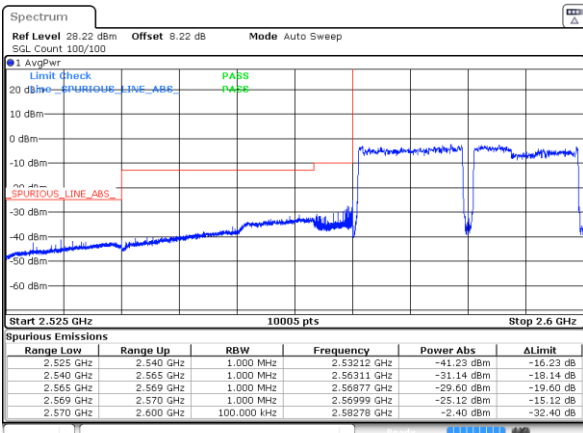
Date: 29 JAN 2022 22:07:25

Highest Band Edge / 1RB74 and 1RB0



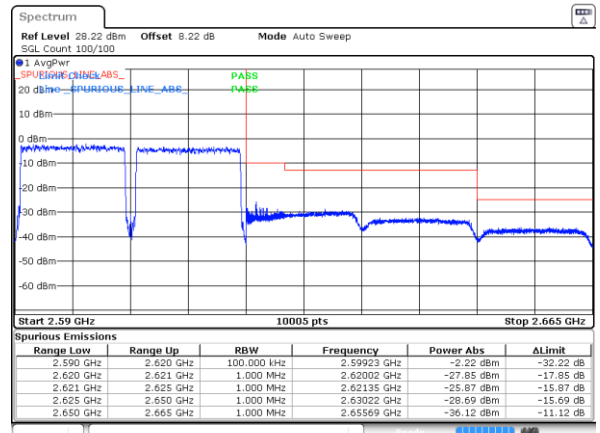
Date: 29 JAN 2022 22:24:04

Lowest Band Edge / Full RB



Date: 29 JAN 2022 21:56:38

Highest Band Edge / Full RB



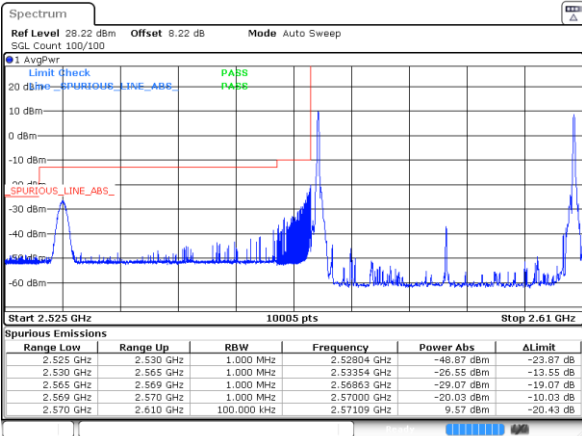
Date: 29 JAN 2022 22:13:20



LTE Band 38C / 20MHz+20MHz

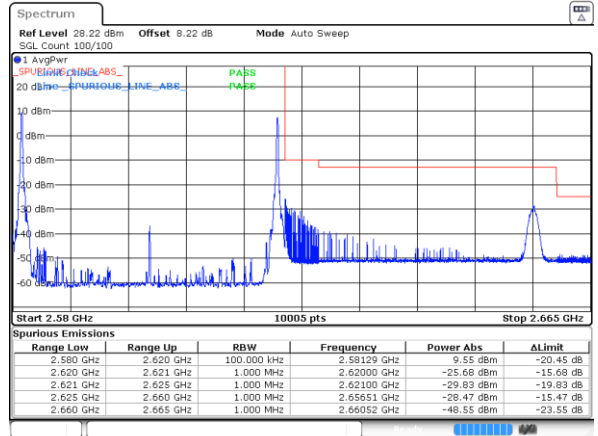
16QAM

Lowest Band Edge / 1RB0 and 1RB9



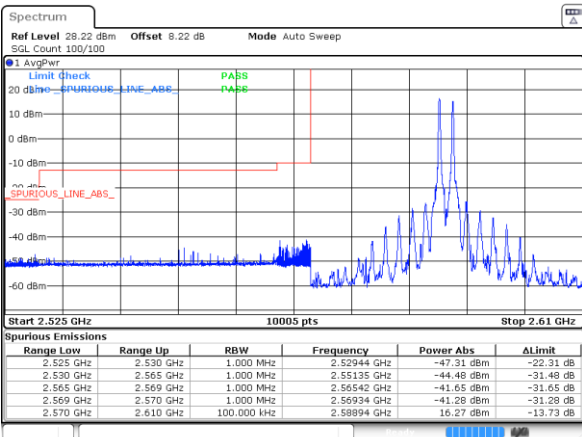
Date: 29 JAN 2022 23:17:34

Highest Band Edge / 1RB0 and 1RB9



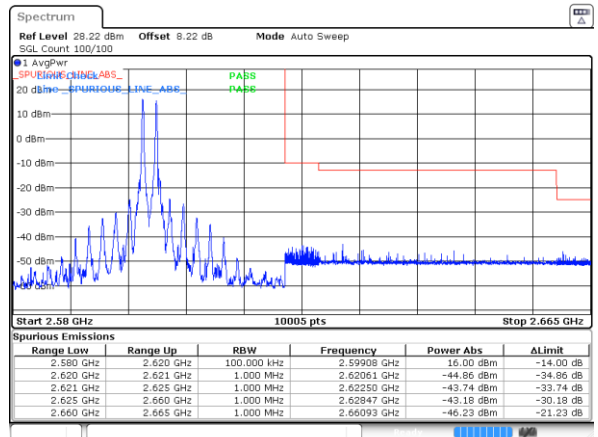
Date: 29 JAN 2022 23:33:57

Lowest Band Edge / 1RB99 and 1RB0



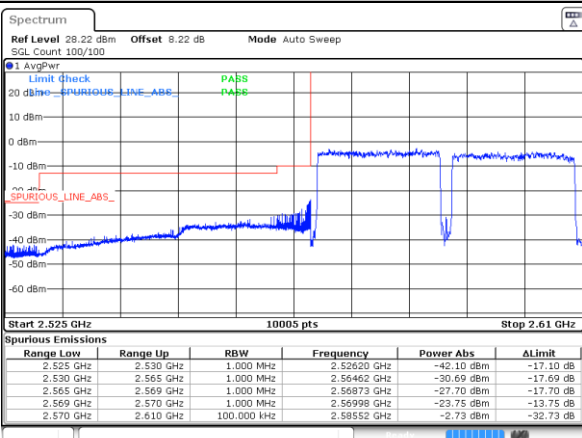
Date: 29 JAN 2022 23:23:10

Highest Band Edge / 1RB99 and 1RB0



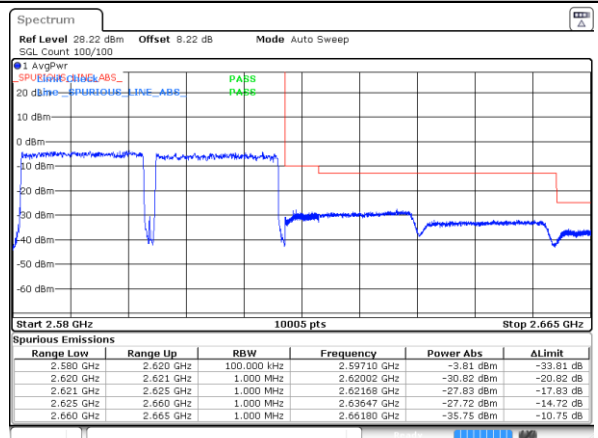
Date: 29 JAN 2022 23:39:20

Lowest Band Edge / Full RB



Date: 29 JAN 2022 23:12:10

Highest Band Edge / Full RB



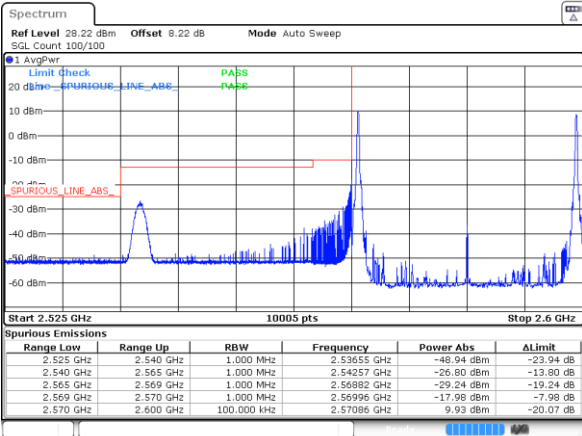
Date: 29 JAN 2022 23:28:35



LTE Band 38C / 15MHz+15MHz

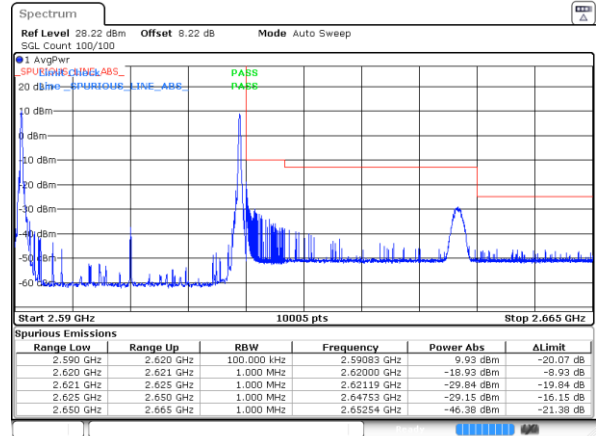
64QAM

Lowest Band Edge / 1RB0 and 1RB74



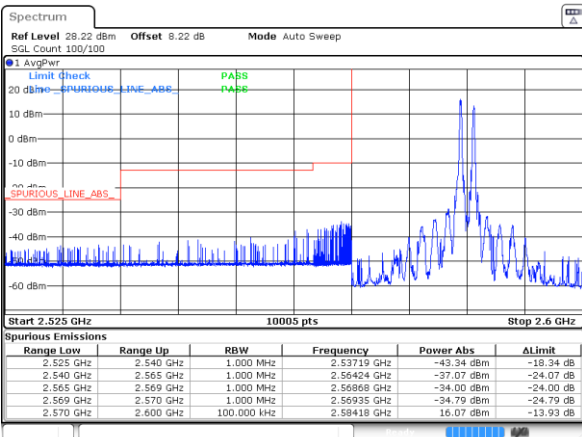
Date: 29 JAN 2022 22:00:15

Highest Band Edge / 1RB0 and 1RB74



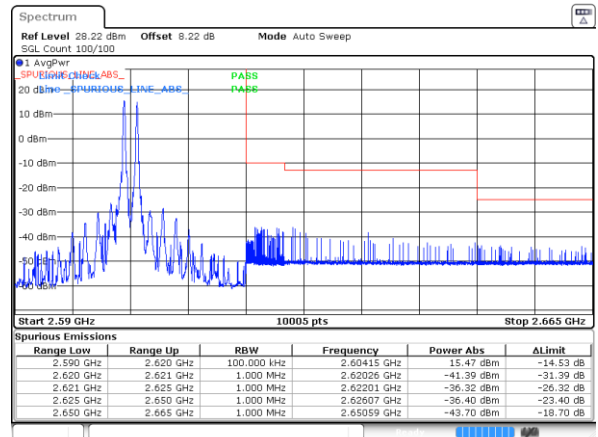
Date: 29 JAN 2022 22:20:29

Lowest Band Edge / 1RB74 and 1RB0



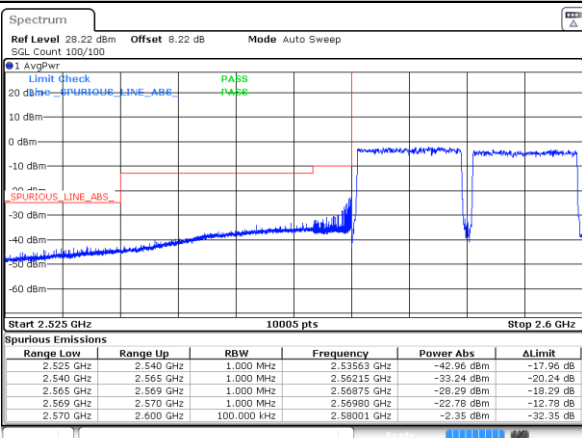
Date: 29 JAN 2022 22:09:13

Highest Band Edge / 1RB74 and 1RB0



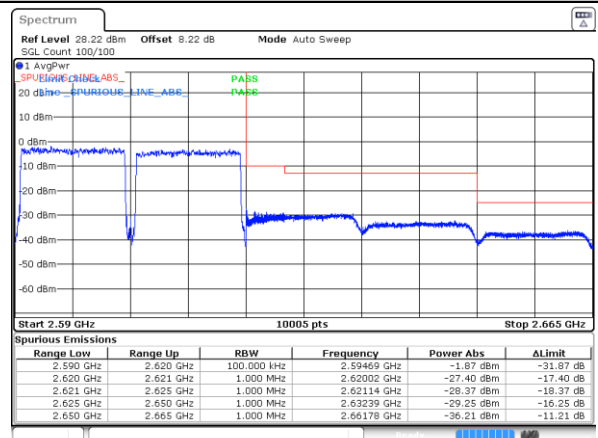
Date: 29 JAN 2022 22:22:17

Lowest Band Edge / Full RB



Date: 29 JAN 2022 21:58:27

Highest Band Edge / Full RB



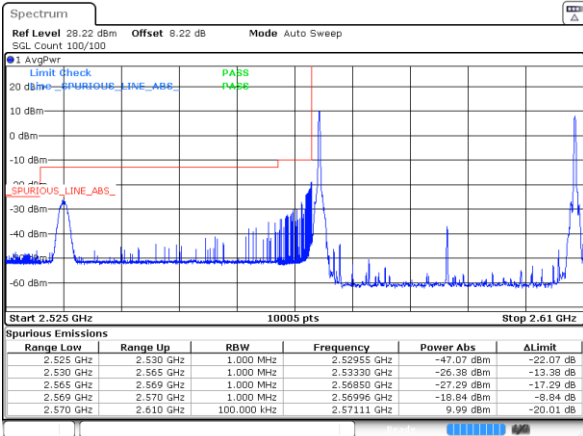
Date: 29 JAN 2022 22:11:33



LTE Band 38C / 20MHz+20MHz

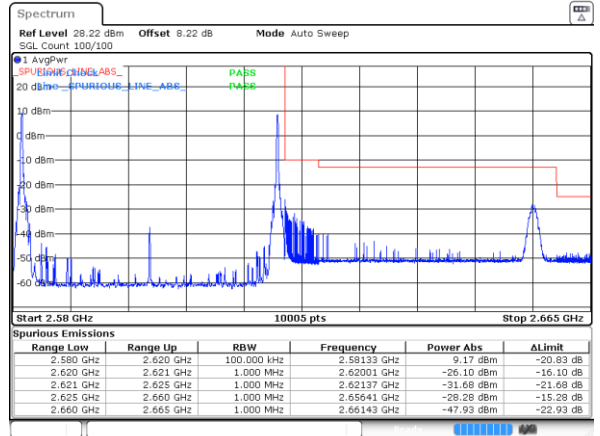
64QAM

Lowest Band Edge / 1RB0 and 1RB9



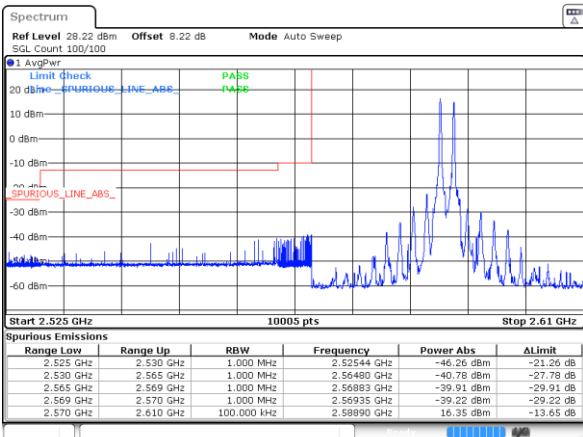
Date: 29 JAN 2022 23:15:46

Highest Band Edge / 1RB0 and 1RB9



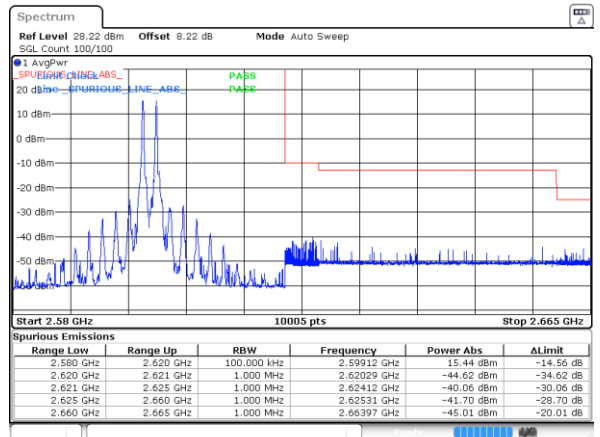
Date: 29 JAN 2022 23:35:45

Lowest Band Edge / 1RB99 and 1RB0



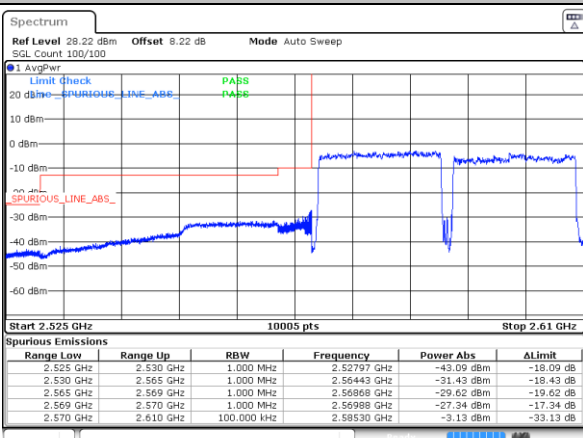
Date: 29 JAN 2022 23:24:58

Highest Band Edge / 1RB99 and 1RB0



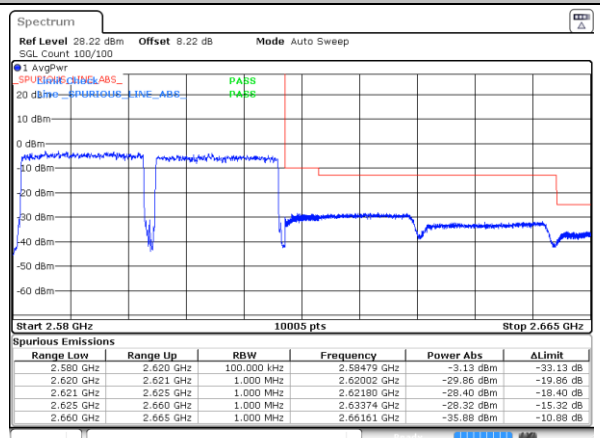
Date: 29 JAN 2022 23:37:32

Lowest Band Edge / Full RB



Date: 29 JAN 2022 23:13:58

Highest Band Edge / Full RB



Date: 29 JAN 2022 23:26:48



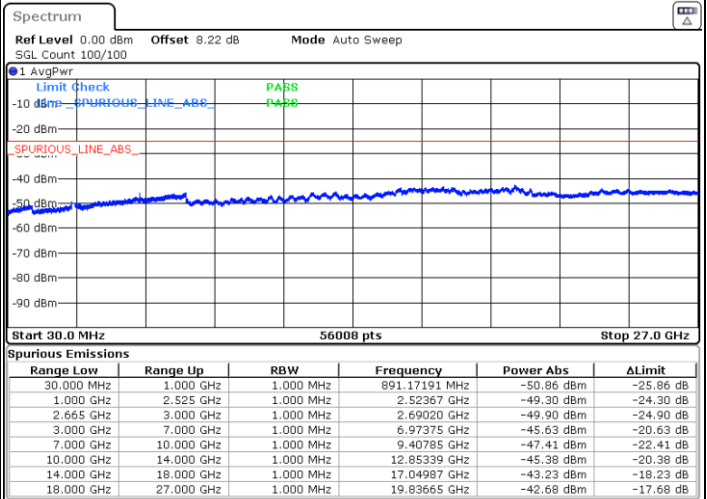
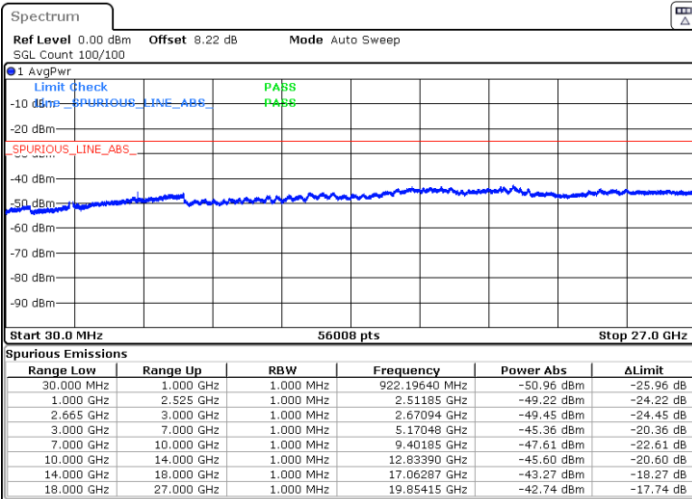
# Conducted Spurious Emission

## LTE Band 38C / 15MHz+15MHz

### QPSK

#### Lowest Channel / 1RB74 and 1RB0

#### Middle Channel / 1RB74 and 1RB0

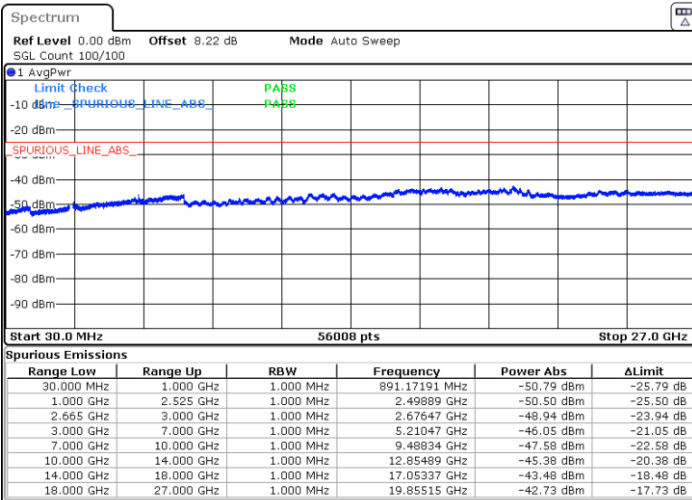


Date: 29 JAN 2022 23:51:46

Date: 29 JAN 2022 23:54:11

#### Highest Channel / 1RB74 and 1RB0

N/A



Date: 29 JAN 2022 23:56:36

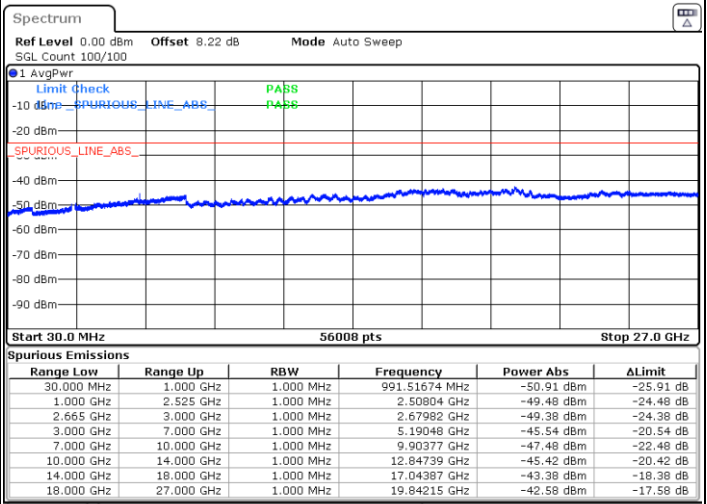
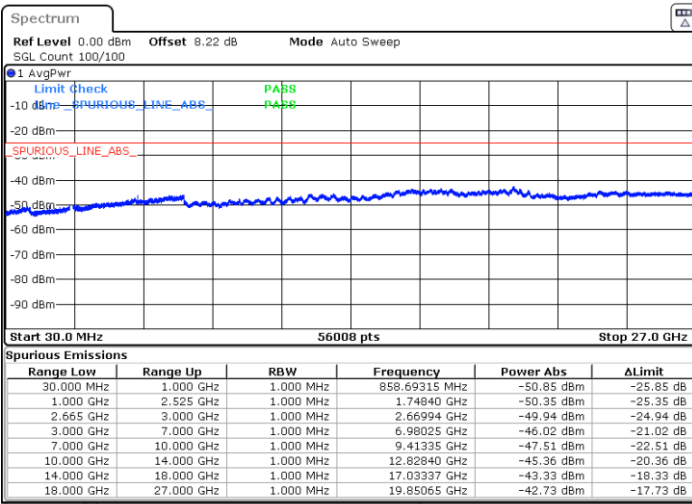


LTE Band 38C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

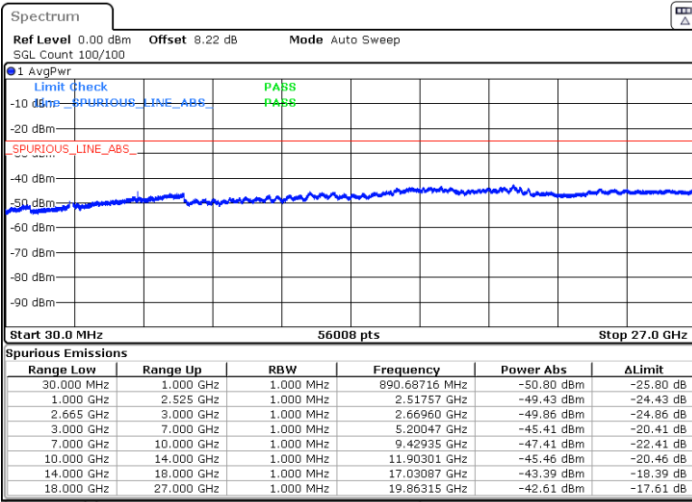


Date: 29 JAN 2022 23:49:04

Date: 29 JAN 2022 23:46:19

Highest Channel / 1RB99 and 1RB0

N/A



Date: 29 JAN 2022 23:43:48



### Frequency Stability

Test Conditions		LTE Band 38C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0003	

**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.





# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for testing, we choose the worst antenna mode to test.

LTE Band 7 / 20MHz / QPSK for Ant.3								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5050	-62.90	-25	-37.90	-73.11	3.03	13.24	H
	7584	-56.64	-25	-31.64	-66.09	3.56	13.01	H
	10104	-61.35	-25	-36.35	-70.87	3.92	13.44	H
	5050	-64.41	-25	-39.41	-74.62	3.03	13.24	V
	7584	-58.31	-25	-33.31	-67.76	3.56	13.01	V
	10104	-61.88	-25	-36.88	-71.40	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 41 / 20MHz / QPSK for Ant.4								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168	-64.44	-25	-39.44	-74.65	3.03	13.24	H
	7752	-53.41	-25	-28.41	-62.86	3.56	13.01	H
	10340	-58.35	-25	-33.35	-67.87	3.92	13.44	H
	5168	-65.40	-25	-40.40	-75.61	3.03	13.24	V
	7752	-60.48	-25	-35.48	-69.93	3.56	13.01	V
	10340	-58.85	-25	-33.85	-68.37	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 7C_CA / 20MHz+20MHz / QPSK for Ant.3								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5036	-63.62	-25	-38.62	-73.83	3.03	13.24	H
	7542	-55.74	-25	-30.74	-65.19	3.56	13.01	H
	10062	-59.68	-25	-34.68	-69.20	3.92	13.44	H
	5036	-64.24	-25	-39.24	-74.45	3.03	13.24	V
	7542	-59.09	-25	-34.09	-68.54	3.56	13.01	V
	10062	-60.92	-25	-35.92	-70.44	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 38C_CA / 20MHz+20MHz / QPSK for Ant.4								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5176	-63.78	-25	-38.78	-73.99	3.03	13.24	H
	7752	-54.56	-25	-29.56	-64.01	3.56	13.01	H
	10342	-59.35	-25	-34.35	-68.87	3.92	13.44	H
	5176	-64.89	-25	-39.89	-75.10	3.03	13.24	V
	7752	-55.35	-25	-30.35	-64.80	3.56	13.01	V
	10342	-59.32	-25	-34.32	-68.84	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.