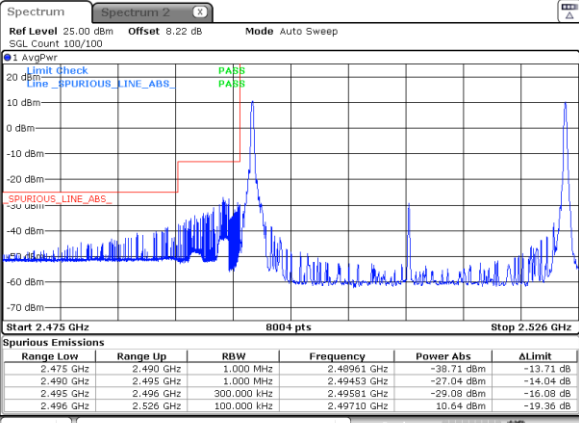




LTE Band 41C / 20MHz+10MHz

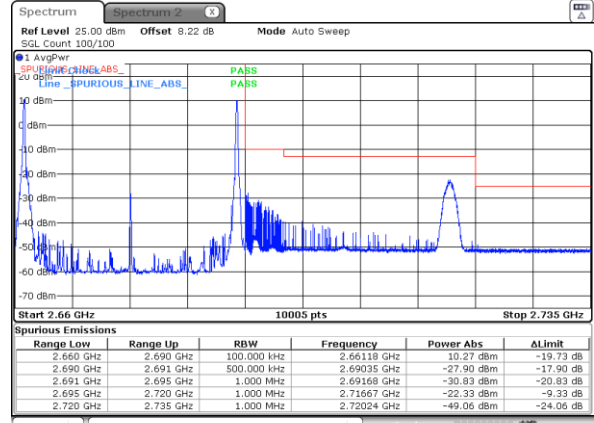
16QAM

Lowest Band Edge / 1RB0 and 1RB49



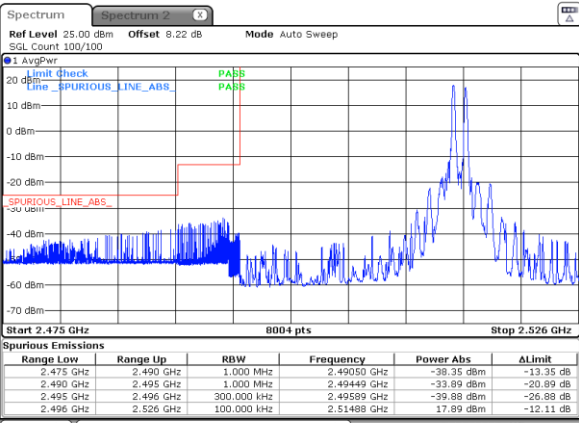
Date: 20.OCT.2023 15:43:09

Highest Band Edge / 1RB0 and 1RB49



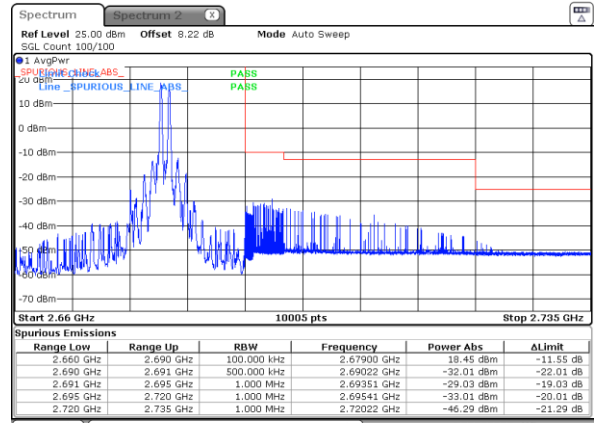
Date: 20.OCT.2023 15:57:48

Lowest Band Edge / 1RB99 and 1RB0



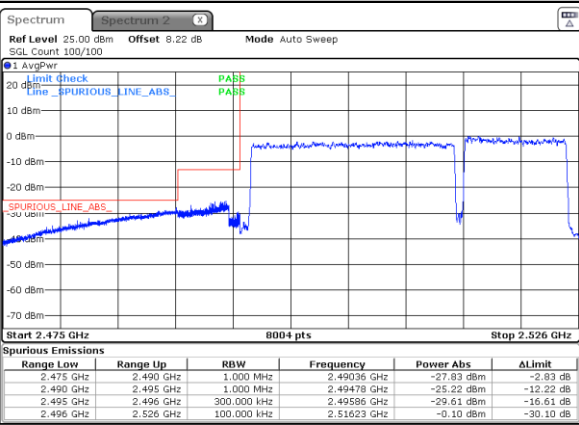
Date: 20.OCT.2023 15:39:15

Highest Band Edge / 1RB99 and 1RB0



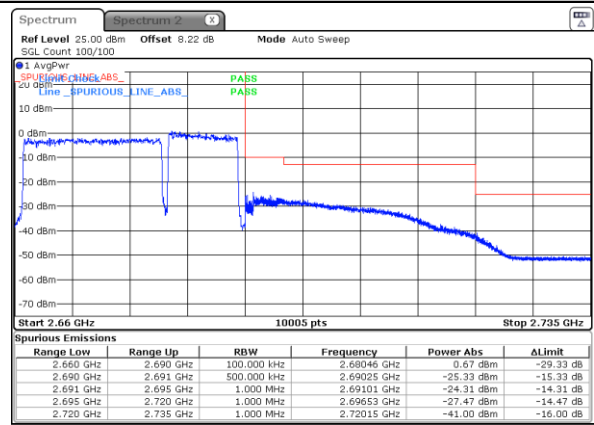
Date: 20.OCT.2023 15:54:00

Lowest Band Edge / Full RB



Date: 20.OCT.2023 15:47:02

Highest Band Edge / Full RB



Date: 20.OCT.2023 16:01:36

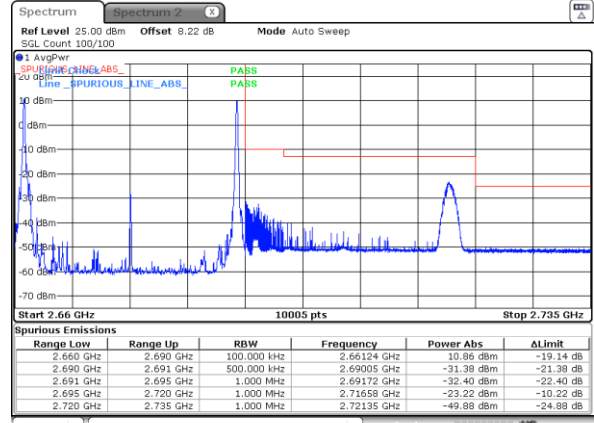
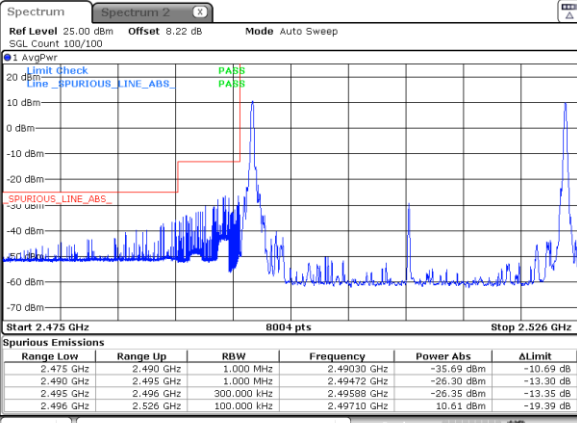


LTE Band 41C / 20MHz+10MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

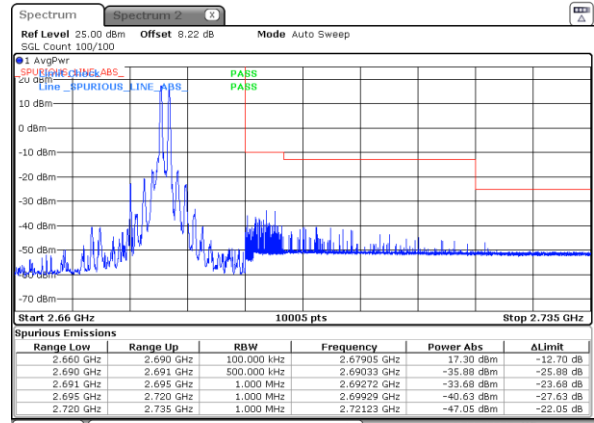
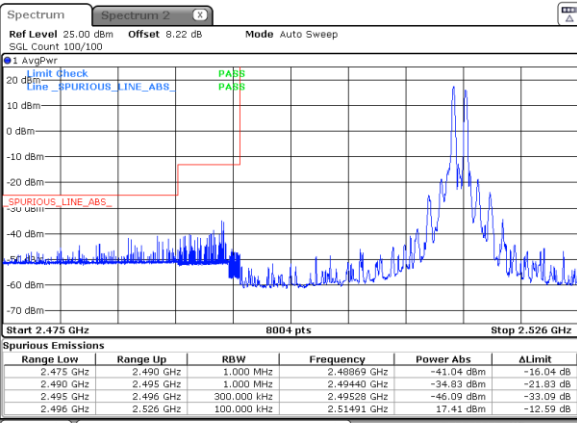


Date: 20.OCT.2023 15:44:07

Date: 20.OCT.2023 15:58:45

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

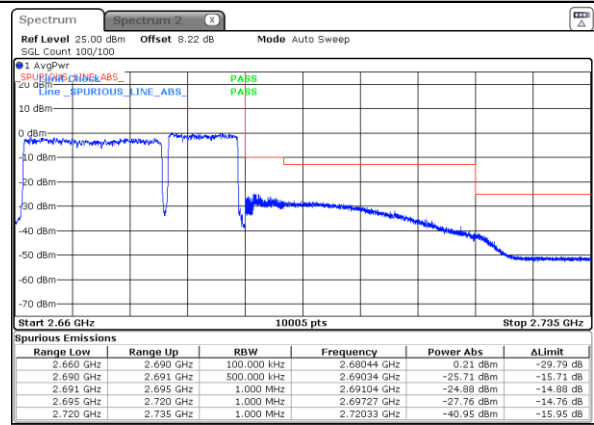
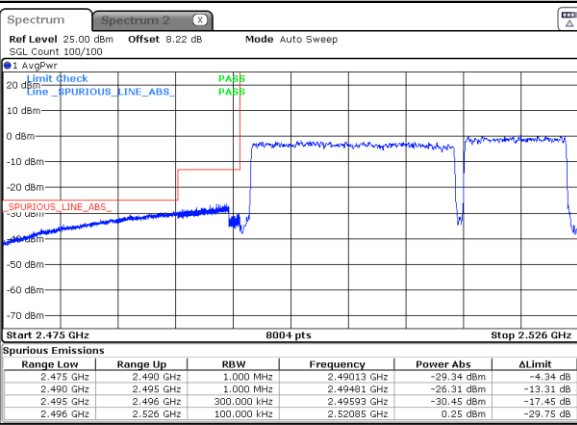


Date: 20.OCT.2023 15:40:14

Date: 20.OCT.2023 15:54:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20.OCT.2023 15:48:01

Date: 20.OCT.2023 16:02:33

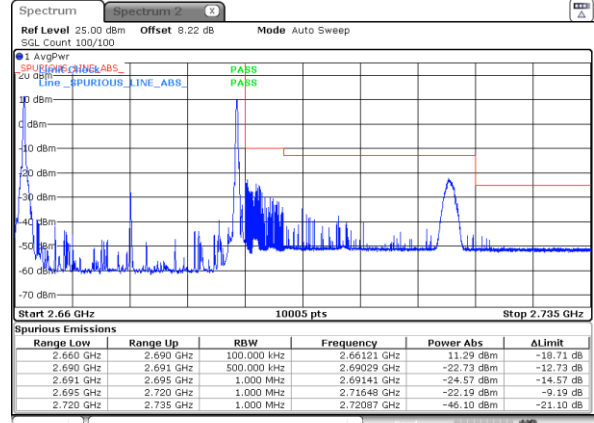
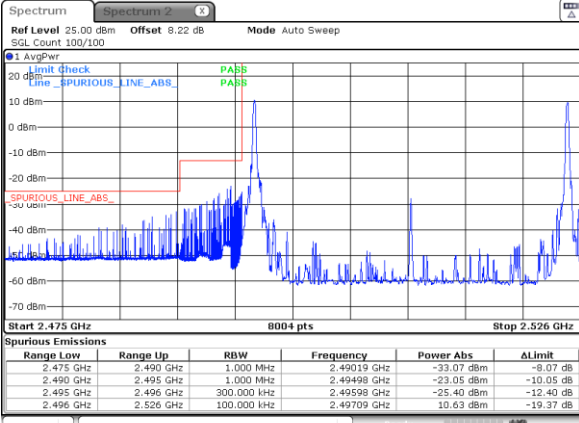


LTE Band 41C / 20MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

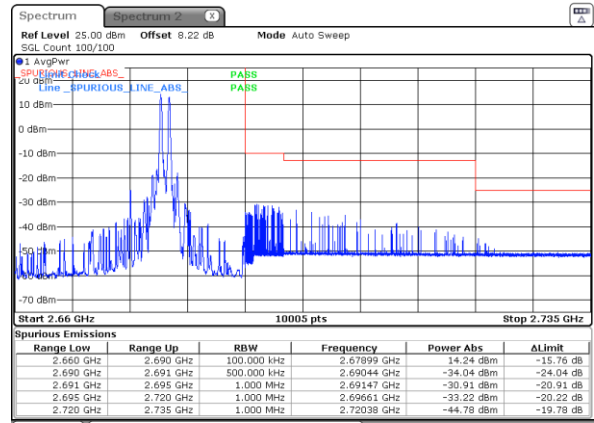
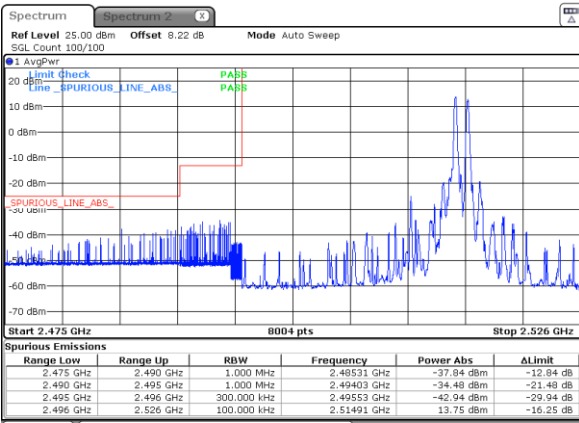


Date: 20_OCT_2023 15:45:05

Date: 20_OCT_2023 15:59:42

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

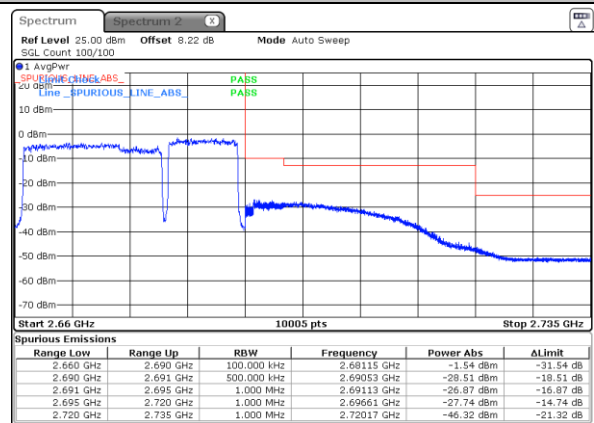
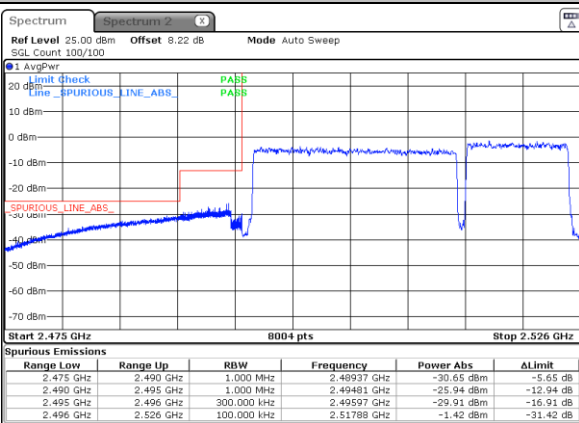


Date: 20_OCT_2023 15:41:12

Date: 20_OCT_2023 15:55:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20_OCT_2023 15:48:59

Date: 20_OCT_2023 16:03:22

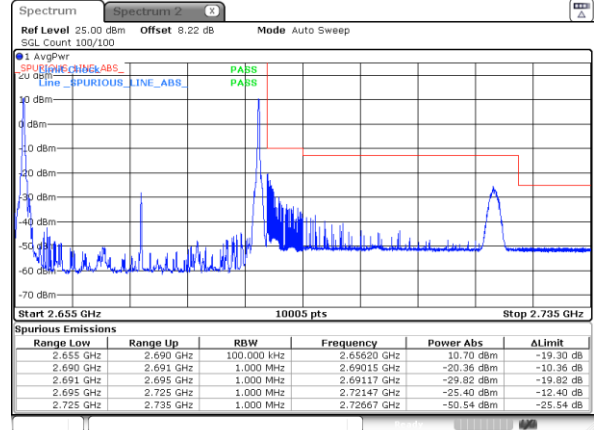
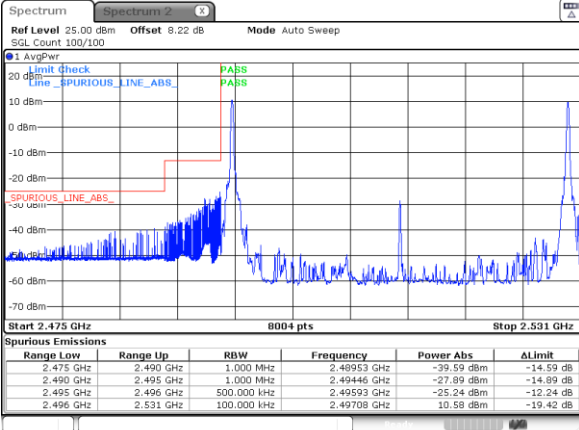


LTE Band 41C / 20MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

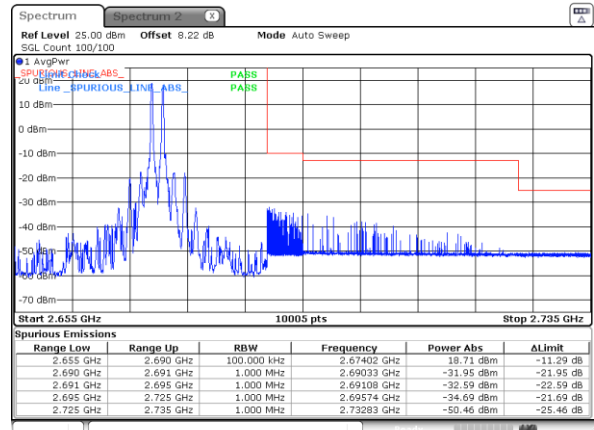
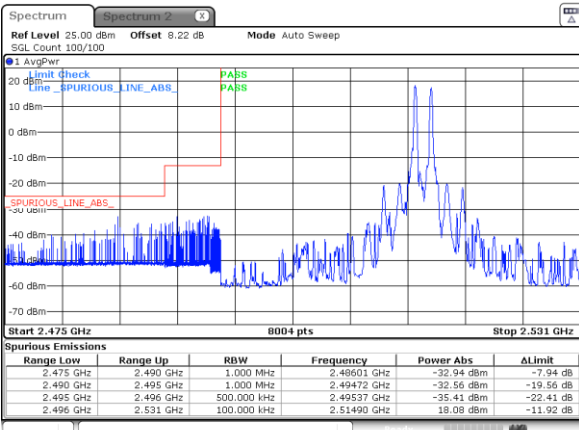


Date: 20_OCT_2023 16:09:09

Date: 20_OCT_2023 16:22:14

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

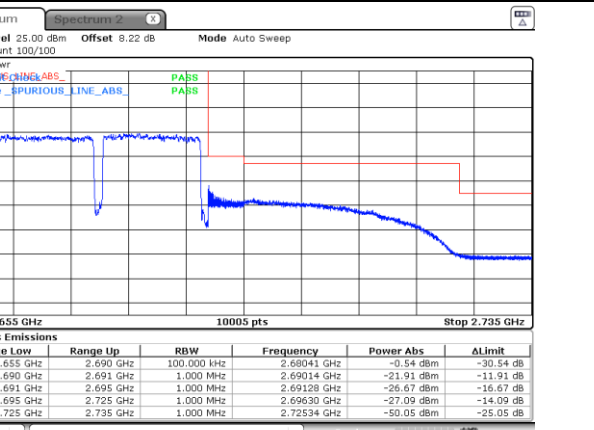
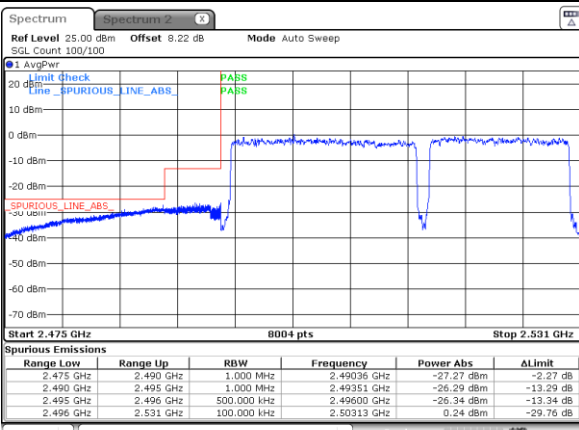


Date: 20_OCT_2023 16:05:47

Date: 20_OCT_2023 16:18:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20_OCT_2023 16:12:51

Date: 20_OCT_2023 16:25:30

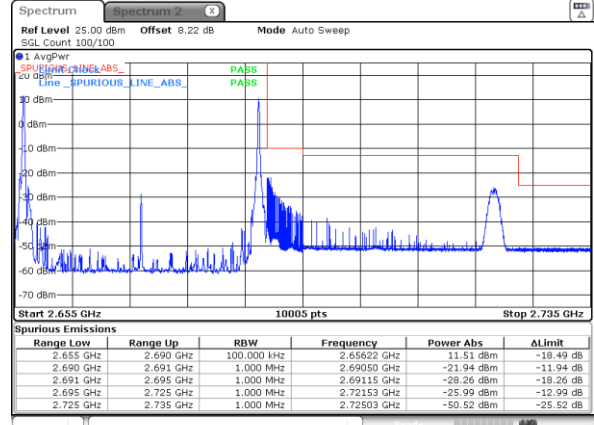
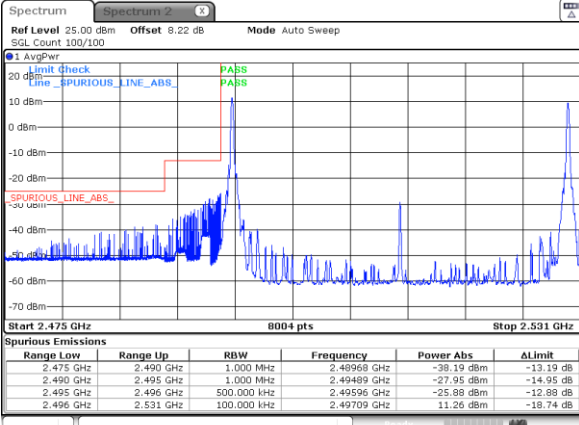


LTE Band 41C / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

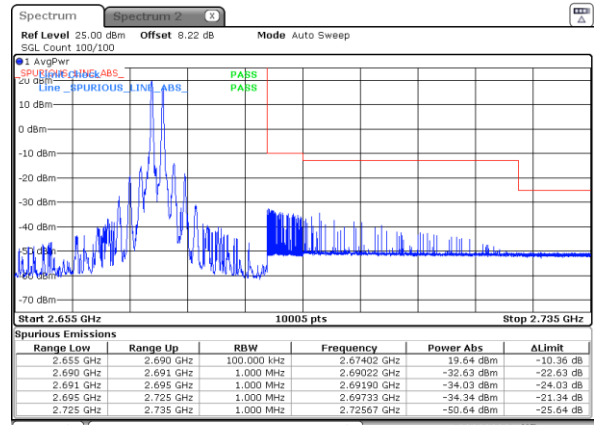
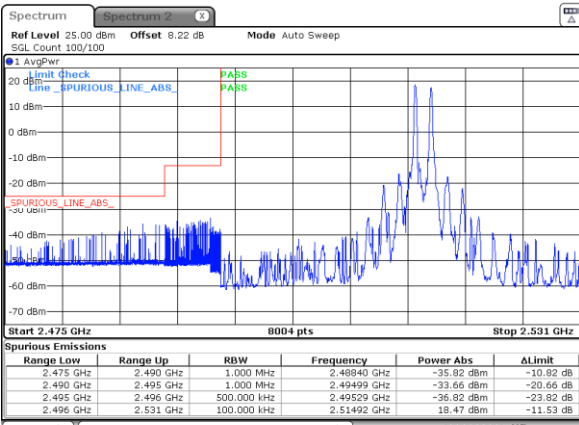


Date: 20.OCT.2023 16:09:59

Date: 20.OCT.2023 16:23:03

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

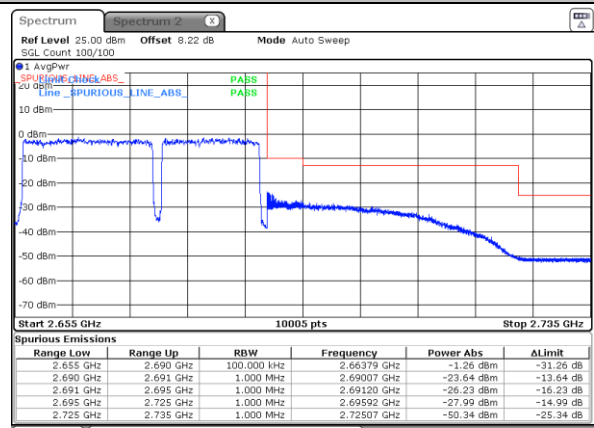
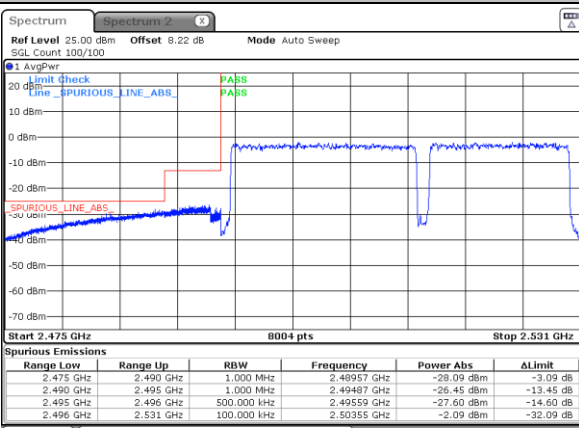


Date: 20.OCT.2023 16:06:38

Date: 20.OCT.2023 16:19:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20.OCT.2023 16:13:21

Date: 20.OCT.2023 16:26:19

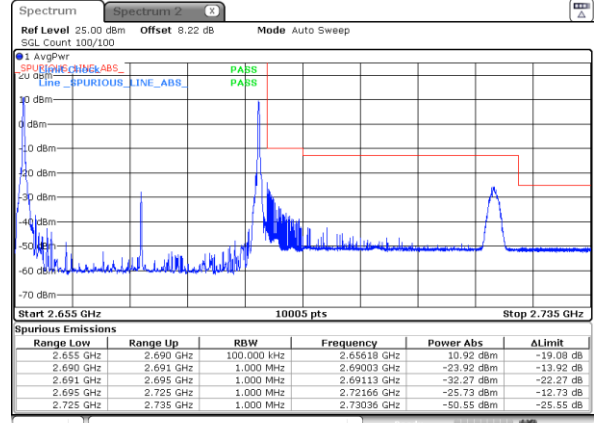
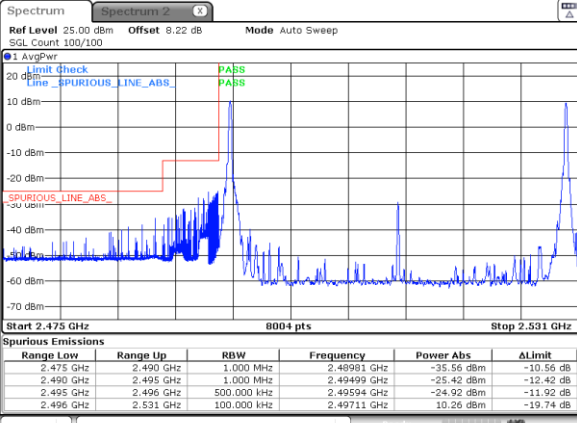


LTE Band 41C / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

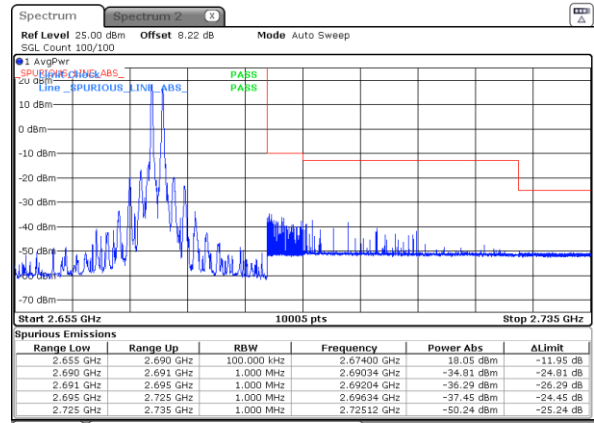
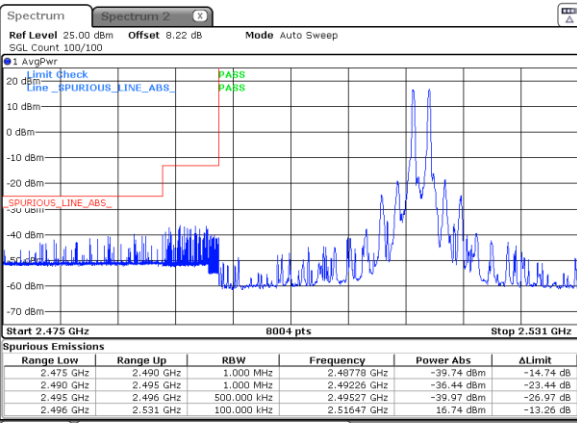


Date: 20.OCT.2023 16:10:50

Date: 20.OCT.2023 16:23:52

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

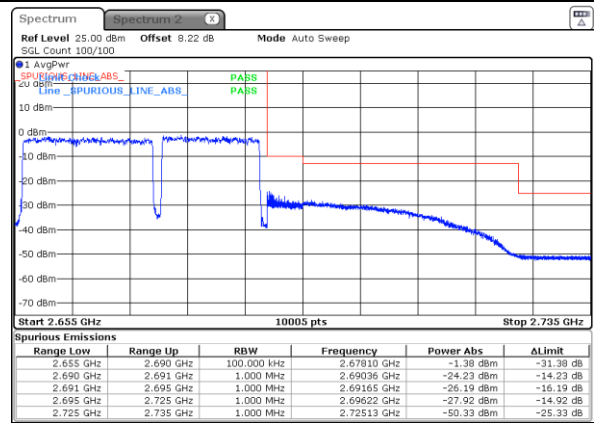
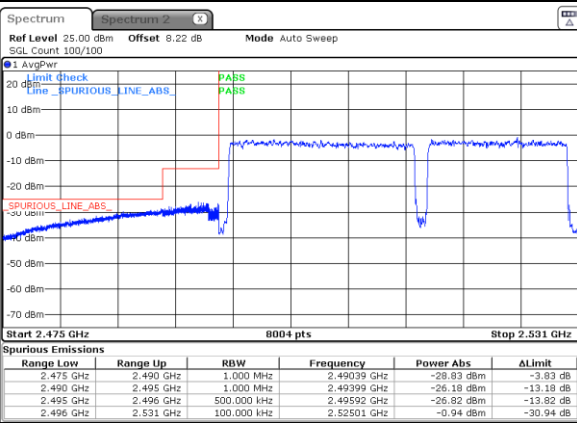


Date: 20.OCT.2023 16:07:28

Date: 20.OCT.2023 16:20:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20.OCT.2023 16:14:11

Date: 20.OCT.2023 16:27:08

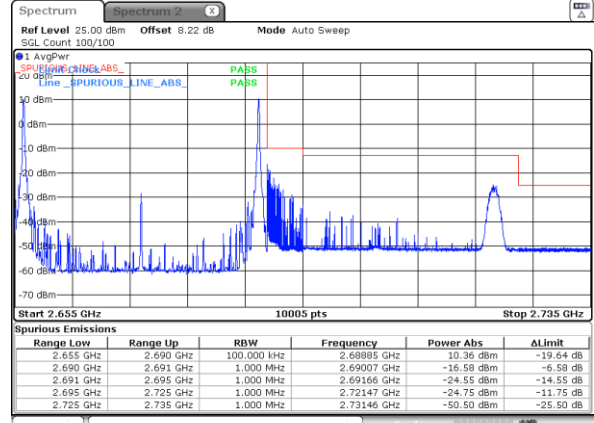
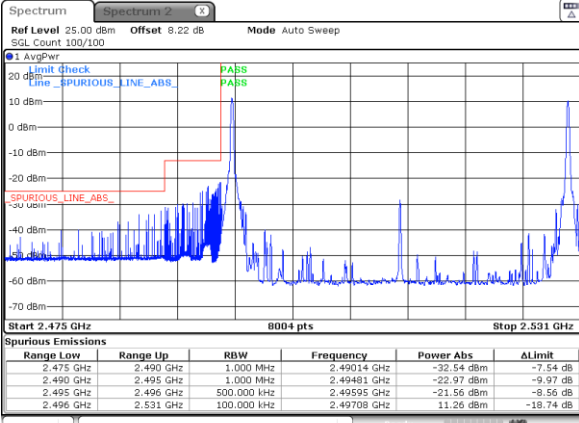


LTE Band 41C / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

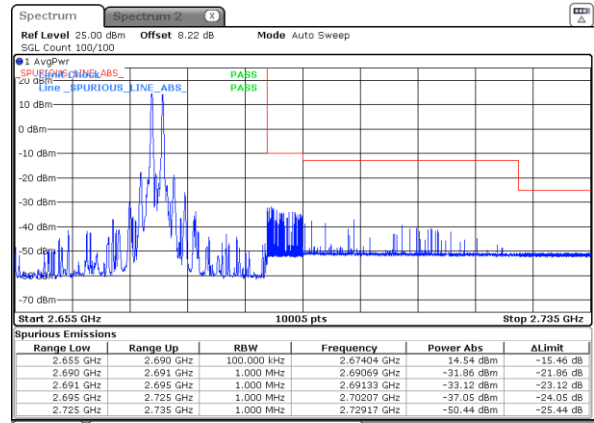
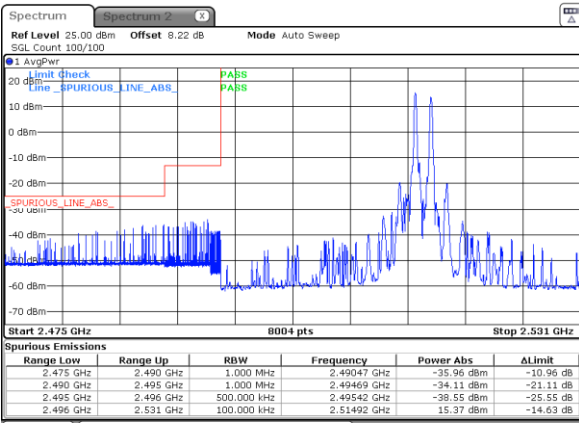


Date: 20_OCT_2023 16:11:40

Date: 20_OCT_2023 16:24:41

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

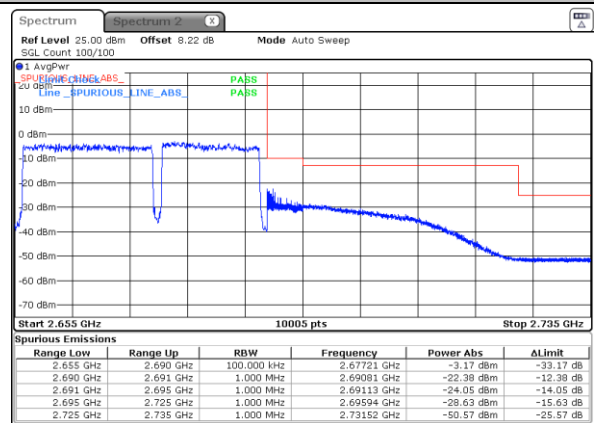
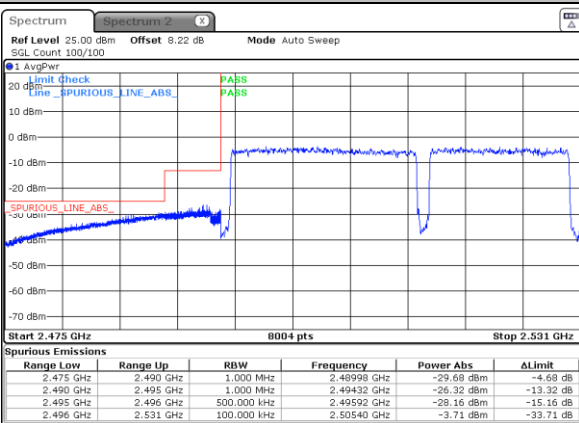


Date: 20_OCT_2023 16:08:19

Date: 20_OCT_2023 16:21:25

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20_OCT_2023 16:15:02

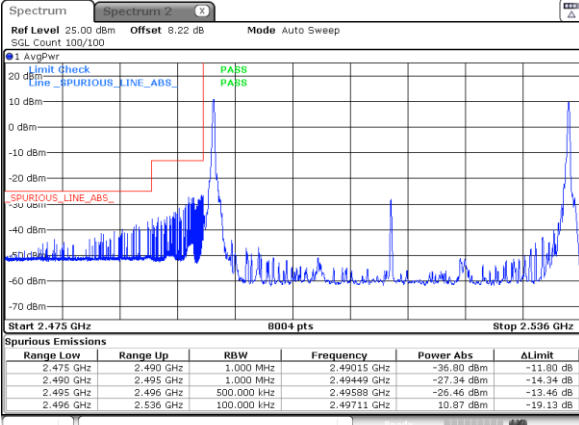
Date: 20_OCT_2023 16:27:56



LTE Band 41C / 20MHz+20MHz

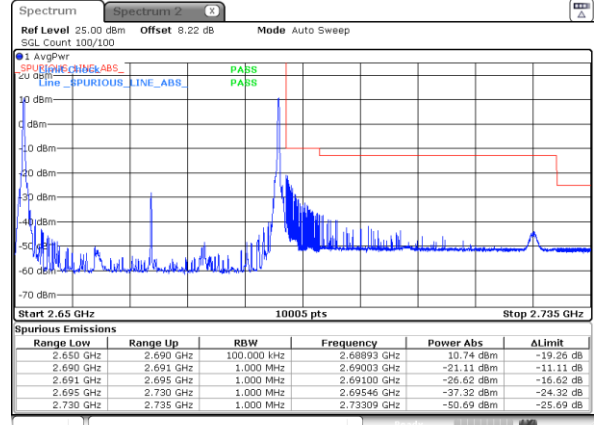
QPSK

Lowest Band Edge / 1RB0 and 1RB99



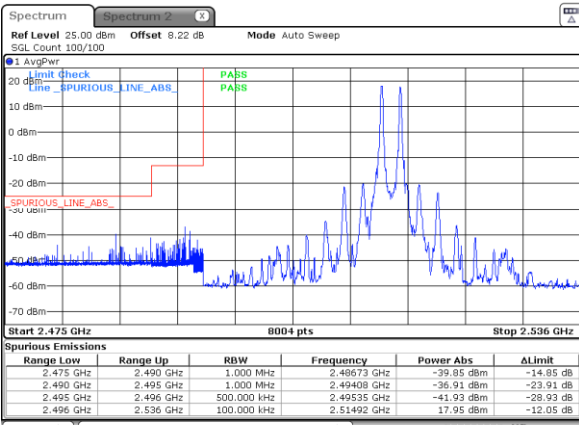
Date: 20_OCT_2023 16:33:46

Highest Band Edge / 1RB0 and 1RB99



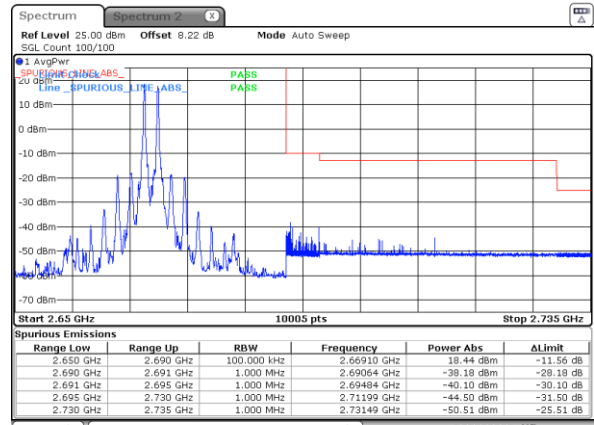
Date: 20_OCT_2023 16:46:52

Lowest Band Edge / 1RB99 and 1RB0



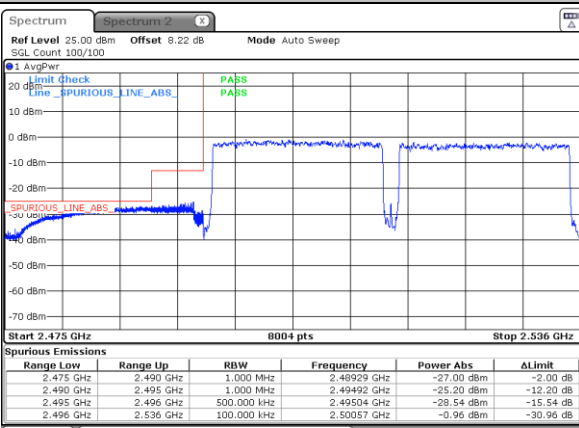
Date: 20_OCT_2023 16:30:23

Highest Band Edge / 1RB99 and 1RB0



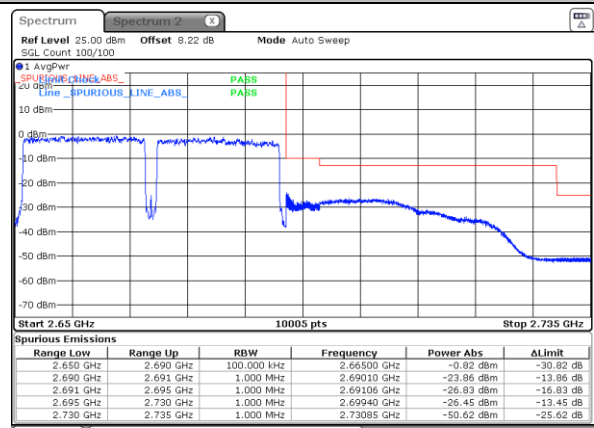
Date: 20_OCT_2023 16:43:36

Lowest Band Edge / Full RB



Date: 20_OCT_2023 16:37:07

Highest Band Edge / Full RB



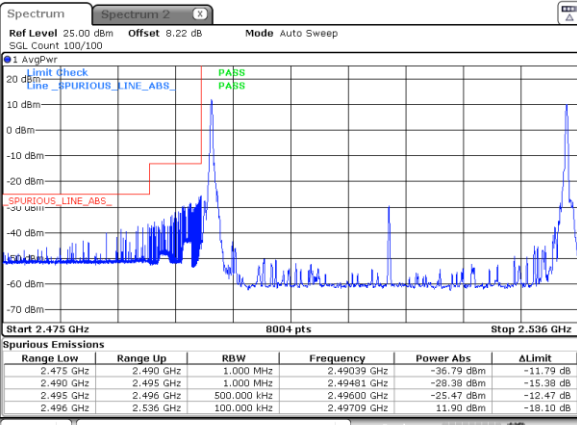
Date: 20_OCT_2023 16:50:08



LTE Band 41C / 20MHz+20MHz

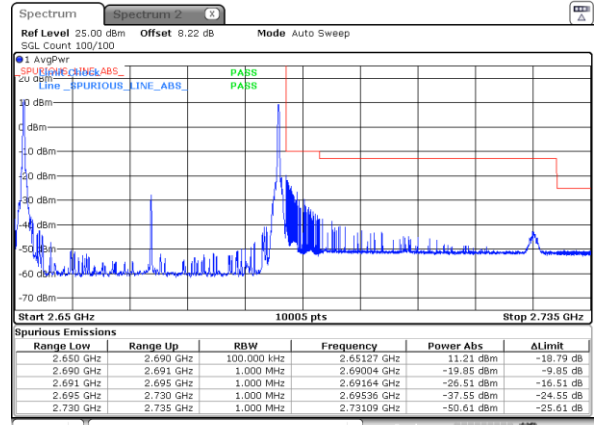
16QAM

Lowest Band Edge / 1RB0 and 1RB9



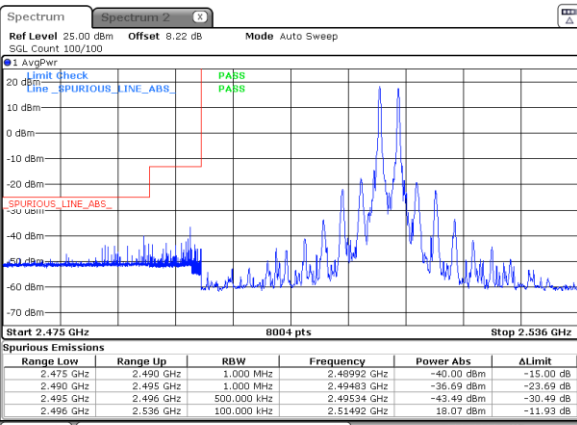
Date: 20.OCT.2023 16:14:36

Highest Band Edge / 1RB0 and 1RB9



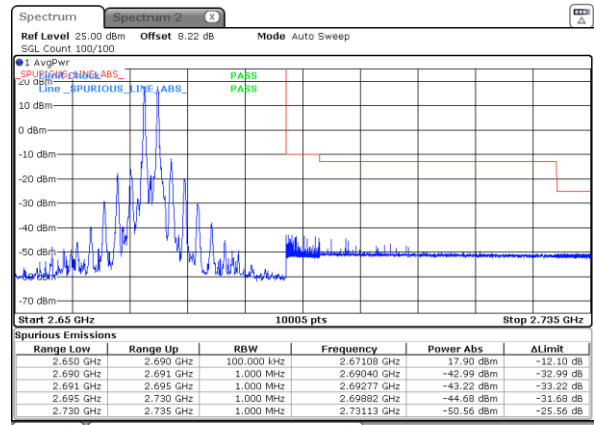
Date: 20.OCT.2023 16:14:41

Lowest Band Edge / 1RB99 and 1RB0



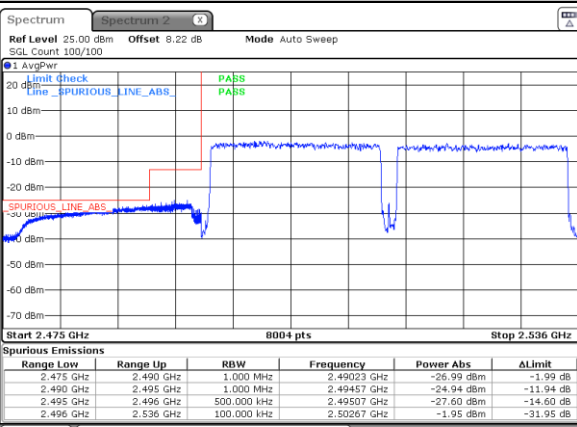
Date: 20.OCT.2023 16:31:14

Highest Band Edge / 1RB99 and 1RB0



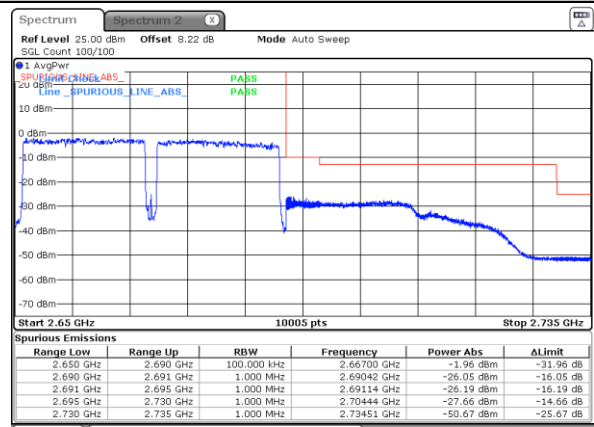
Date: 20.OCT.2023 16:14:25

Lowest Band Edge / Full RB



Date: 20.OCT.2023 16:37:58

Highest Band Edge / Full RB



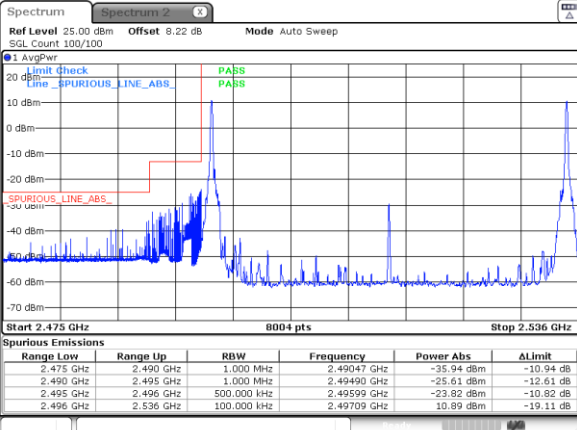
Date: 20.OCT.2023 16:50:57



LTE Band 41C / 20MHz+20MHz

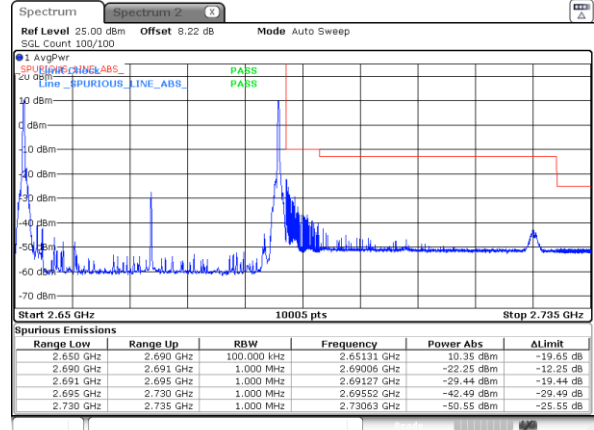
64QAM

Lowest Band Edge / 1RB0 and 1RB9



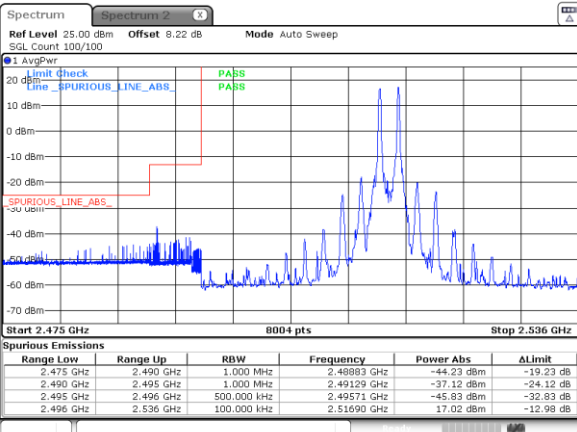
Date: 20.OCT.2023 16:35:26

Highest Band Edge / 1RB0 and 1RB9



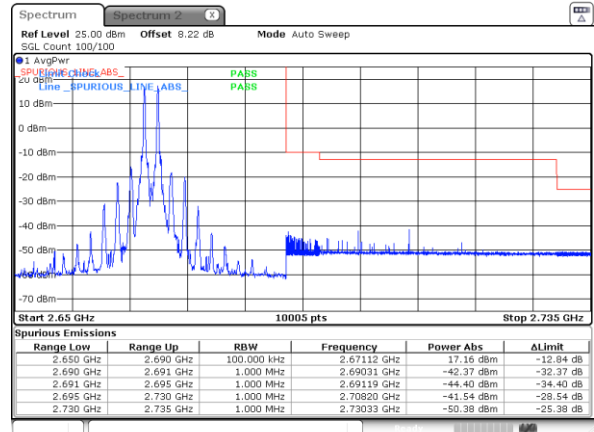
Date: 20.OCT.2023 16:48:30

Lowest Band Edge / 1RB99 and 1RB0



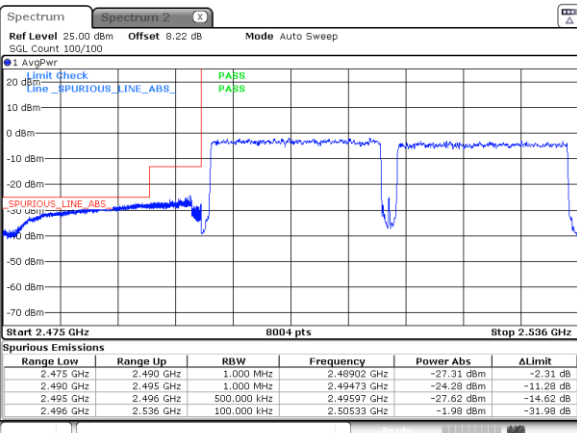
Date: 20.OCT.2023 16:32:05

Highest Band Edge / 1RB99 and 1RB0



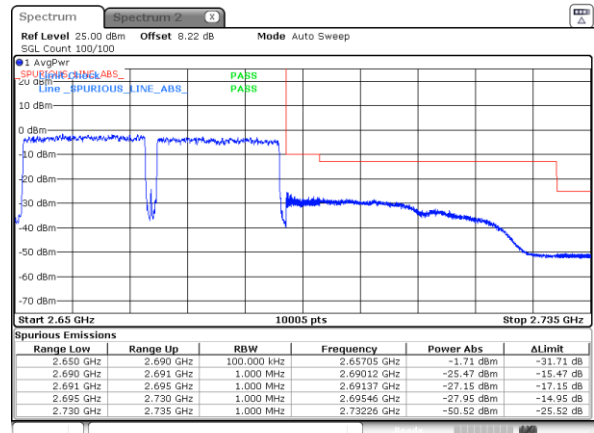
Date: 20.OCT.2023 16:45:14

Lowest Band Edge / Full RB



Date: 20.OCT.2023 16:38:48

Highest Band Edge / Full RB



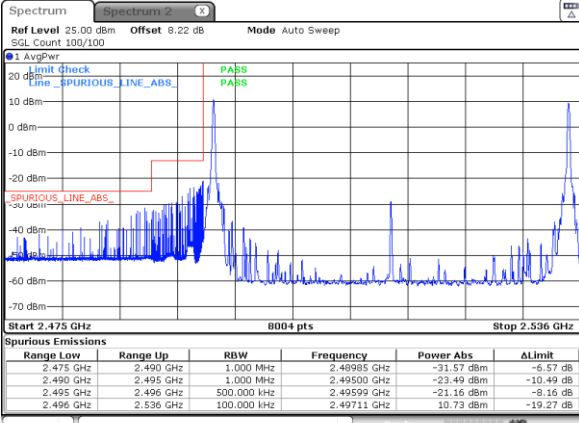
Date: 20.OCT.2023 16:51:46



LTE Band 41C / 20MHz+20MHz

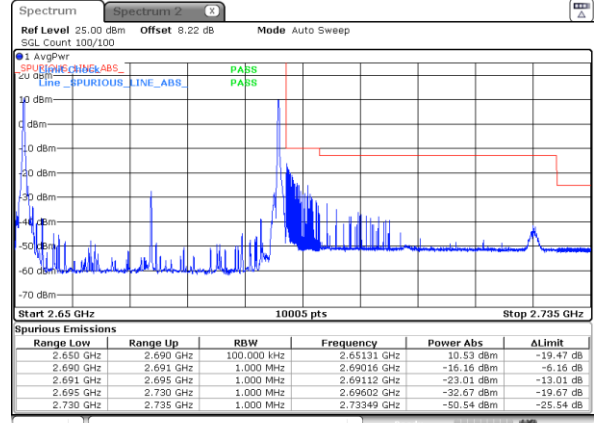
256QAM

Lowest Band Edge / 1RB0 and 1RB9



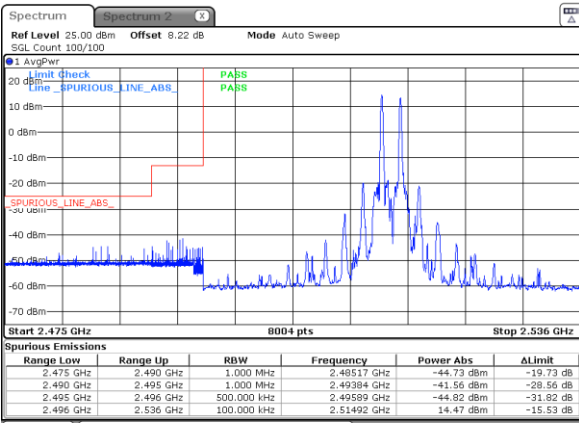
Date: 20.OCT.2023 16:36:17

Highest Band Edge / 1RB0 and 1RB9



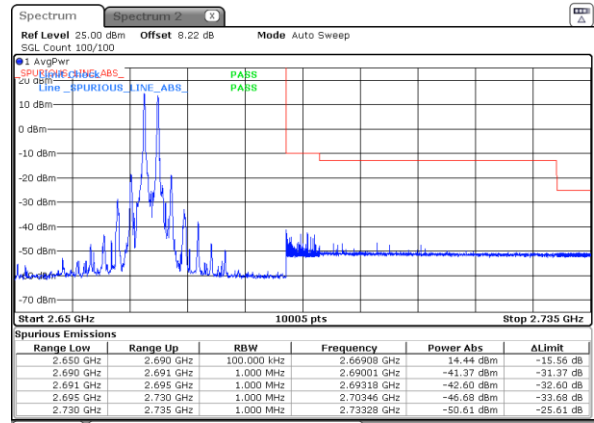
Date: 20.OCT.2023 16:49:18

Lowest Band Edge / 1RB99 and 1RB0



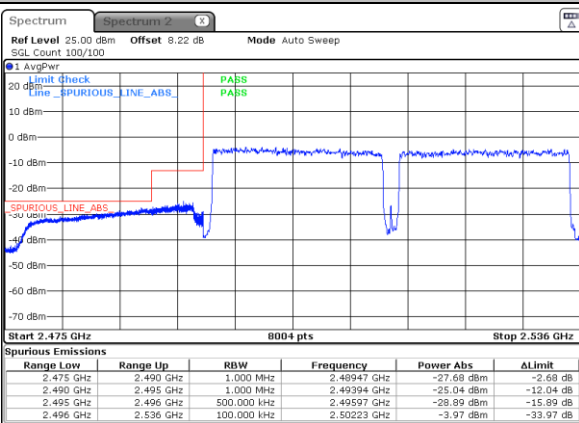
Date: 20.OCT.2023 16:32:55

Highest Band Edge / 1RB99 and 1RB0



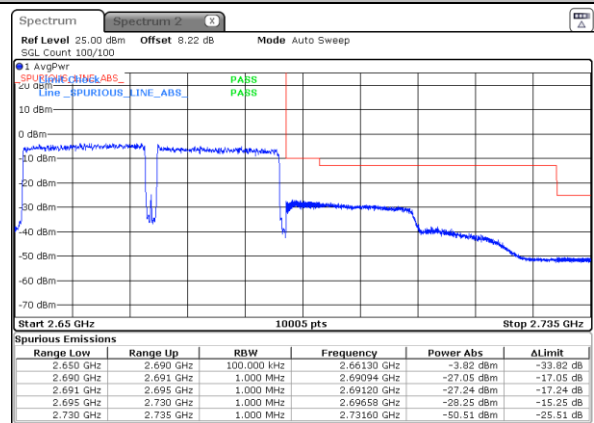
Date: 20.OCT.2023 16:46:03

Lowest Band Edge / Full RB



Date: 20.OCT.2023 16:39:39

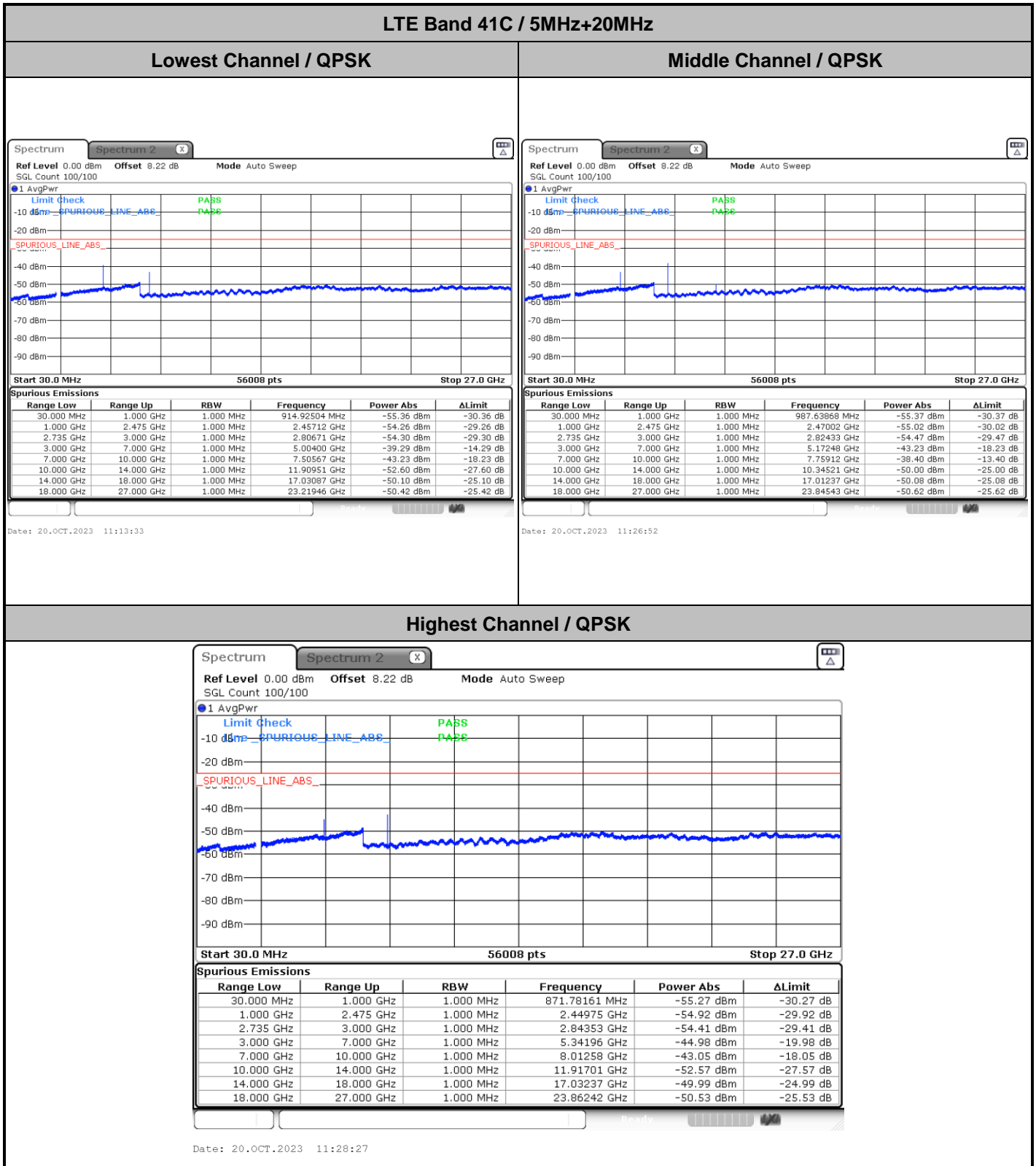
Highest Band Edge / Full RB



Date: 20.OCT.2023 16:52:35



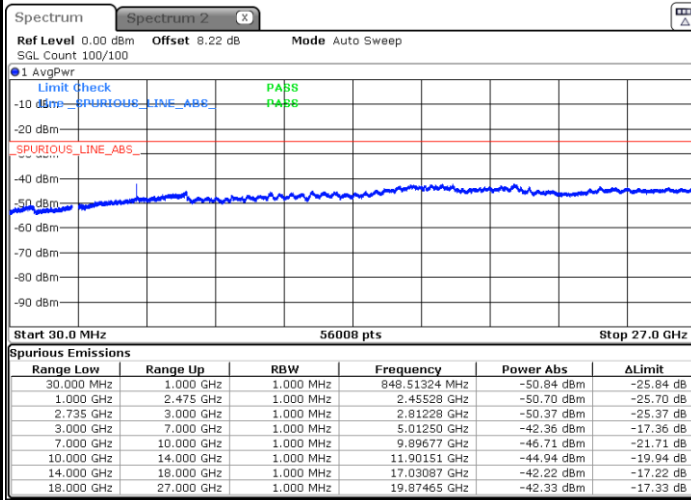
Conducted Spurious Emission





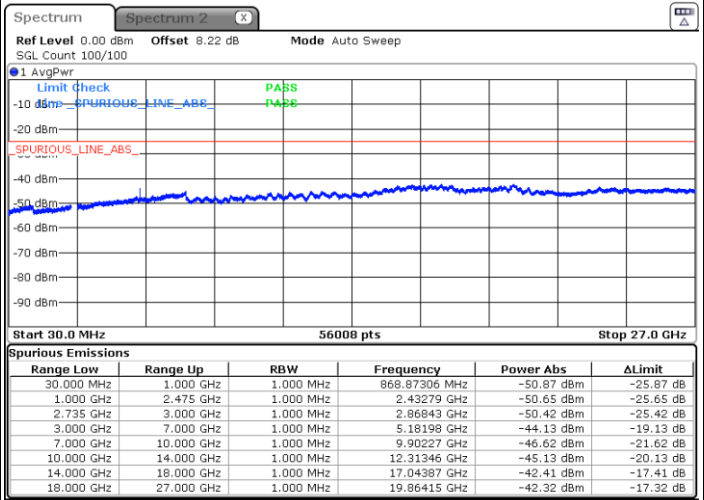
LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK



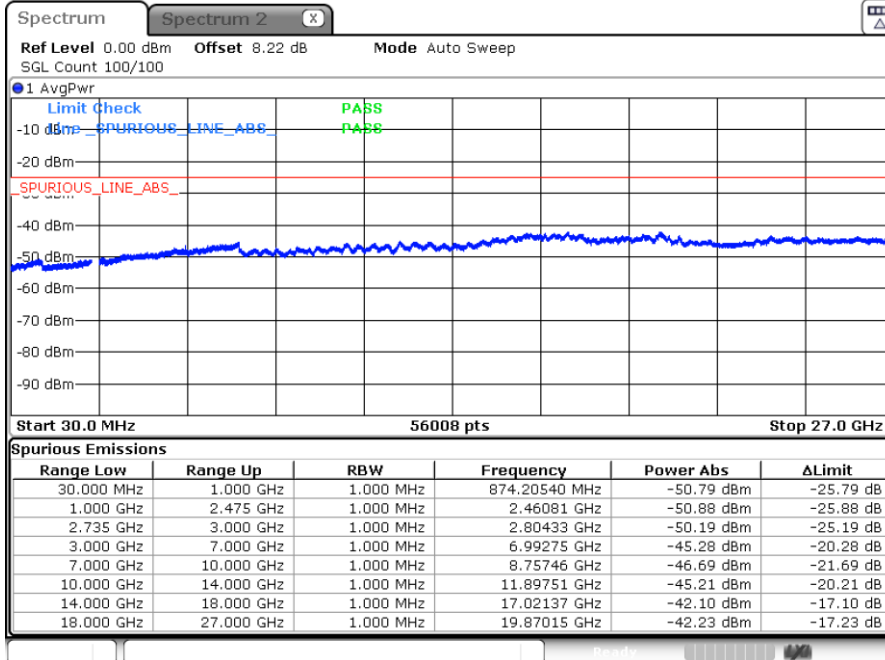
Date: 20.OCT.2023 11:54:23

Middle Channel / QPSK



Date: 20.OCT.2023 12:07:43

Highest Channel / QPSK



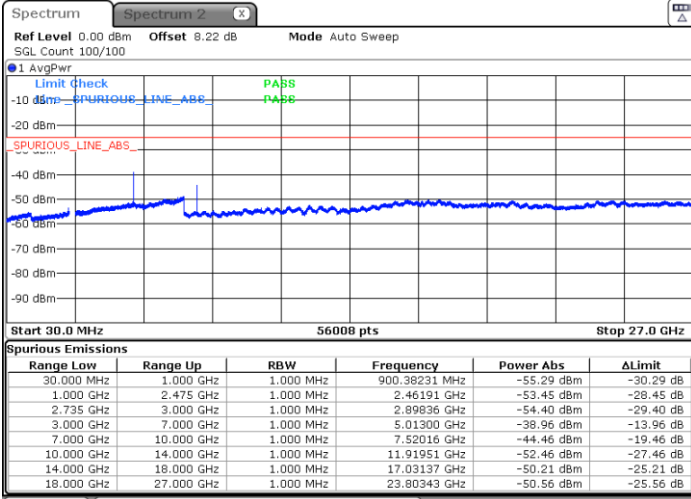
Date: 20.OCT.2023 12:09:17



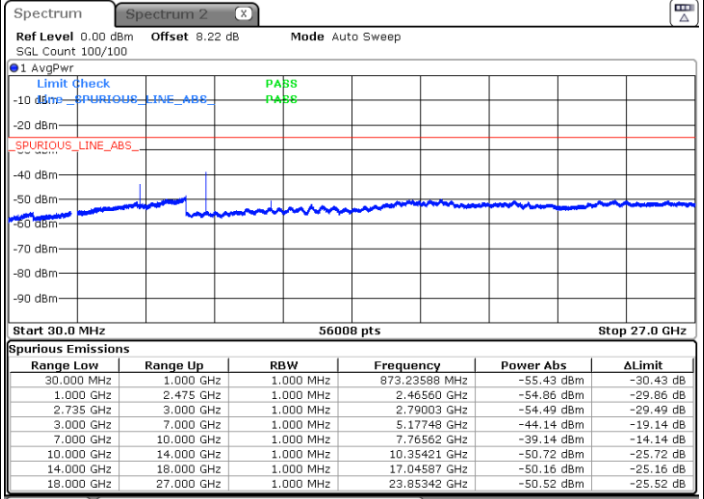
LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

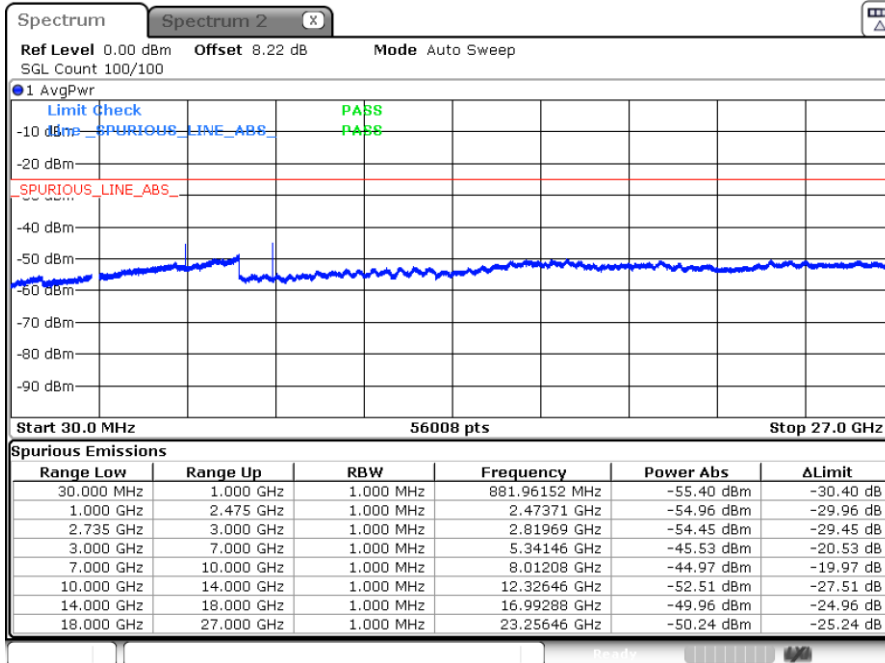


Date: 20.OCT.2023 12:22:24



Date: 20.OCT.2023 12:35:43

Highest Channel / QPSK



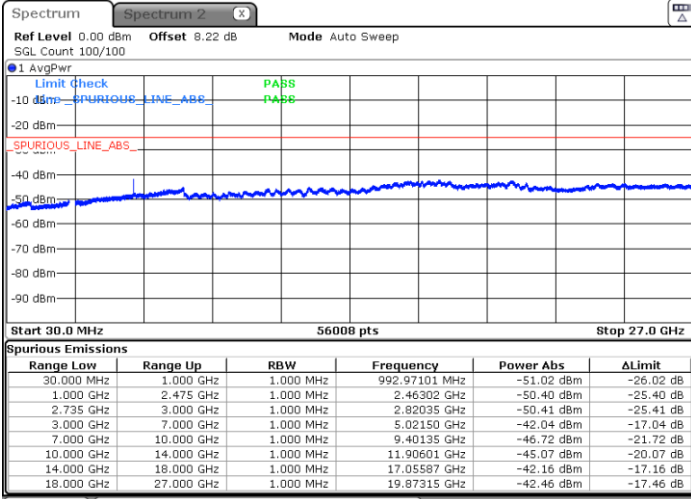
Date: 20.OCT.2023 12:37:17



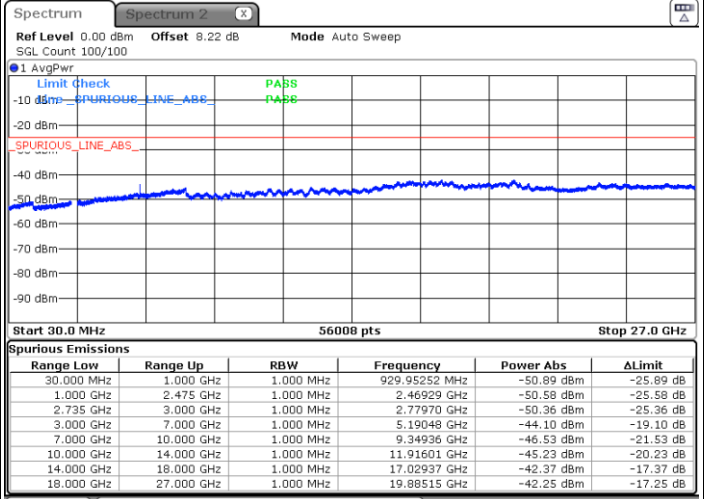
LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

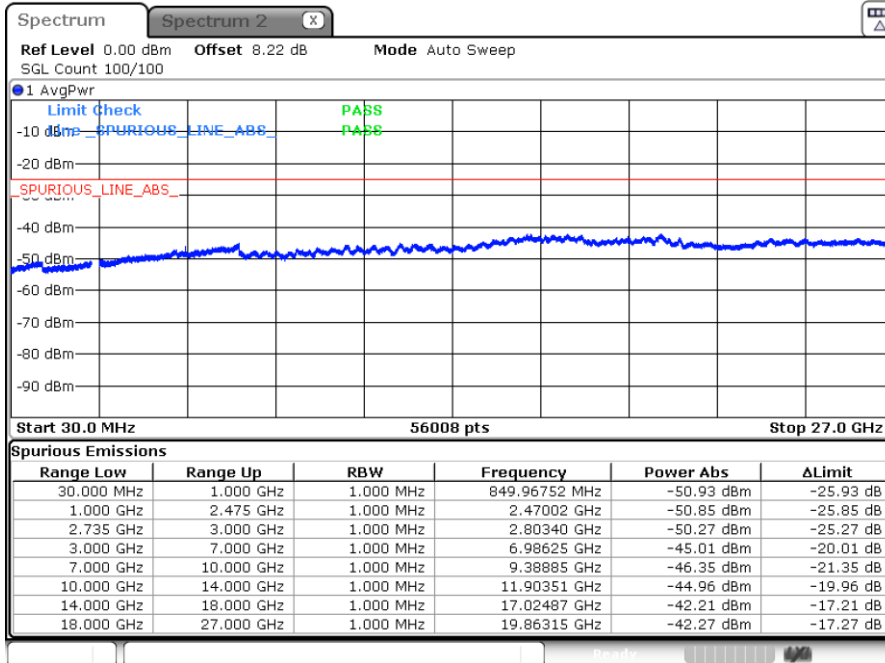


Date: 20.OCT.2023 13:11:35



Date: 20.OCT.2023 14:03:34

Highest Channel / QPSK



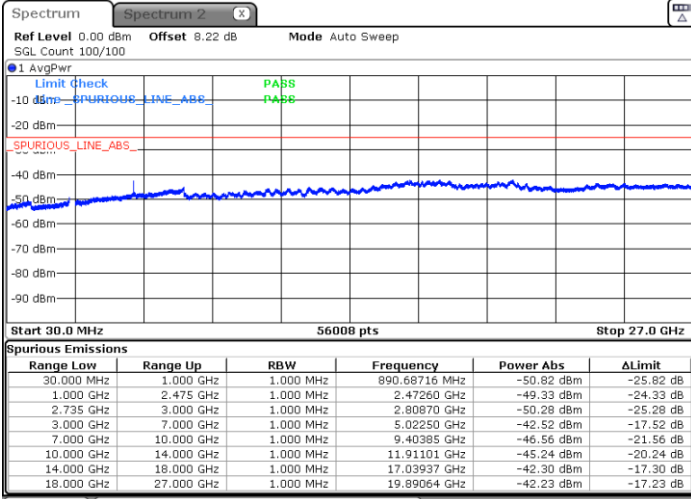
Date: 20.OCT.2023 14:05:08



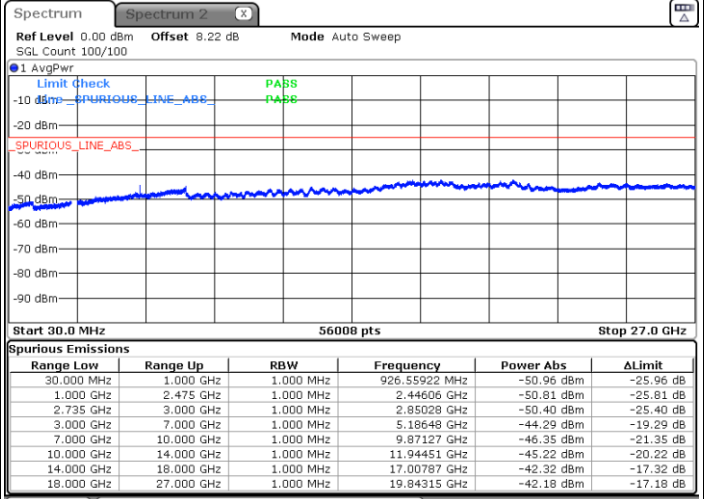
LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

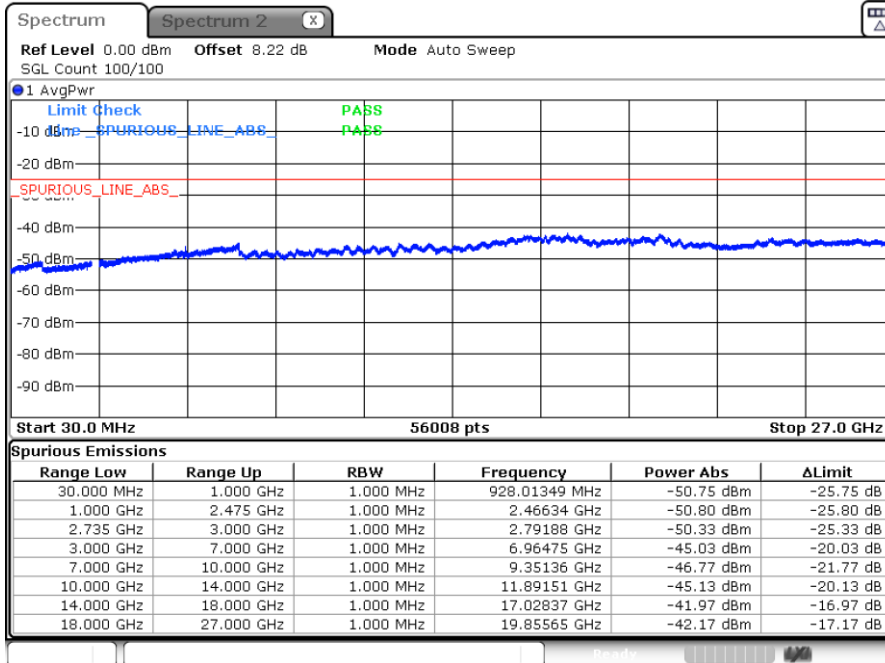


Date: 20.OCT.2023 13:49:06



Date: 20.OCT.2023 13:29:56

Highest Channel / QPSK



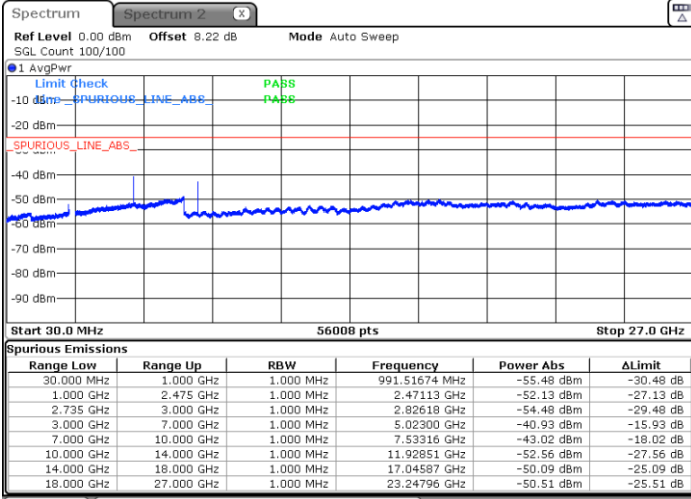
Date: 20.OCT.2023 13:31:30



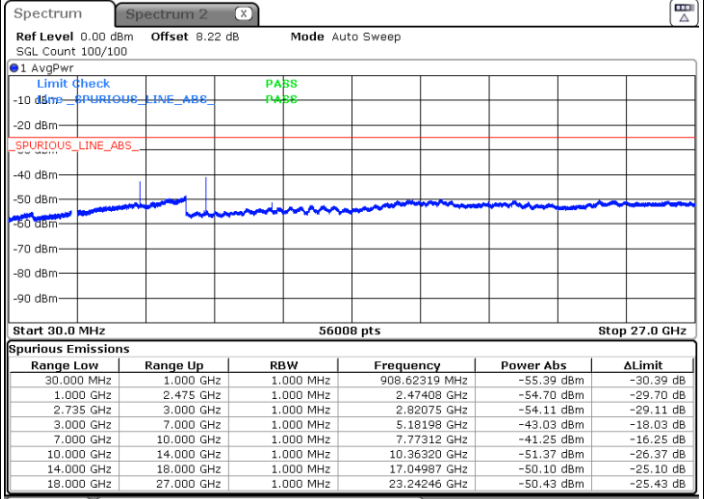
LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

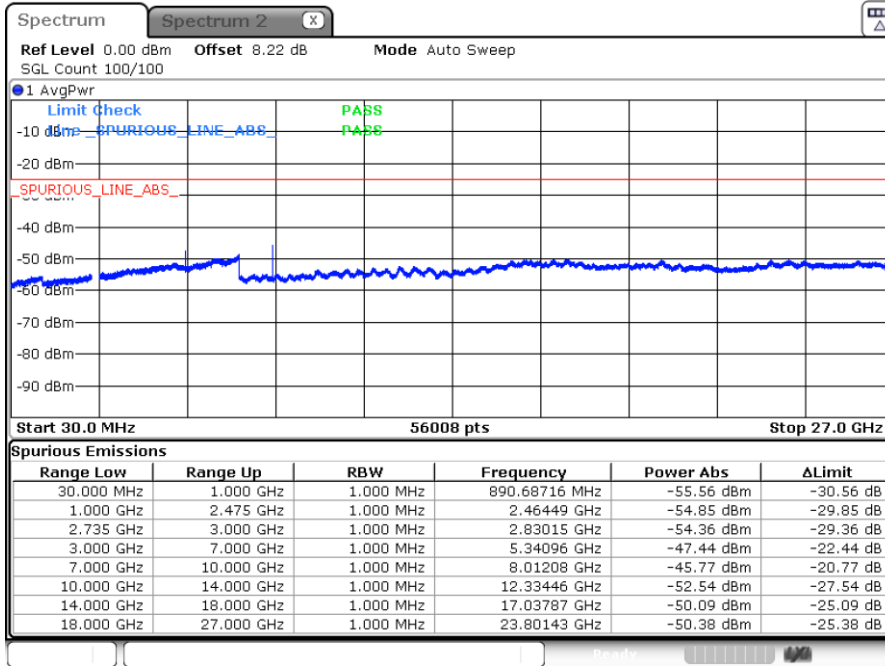


Date: 20.OCT.2023 13:44:33



Date: 20.OCT.2023 14:29:04

Highest Channel / QPSK



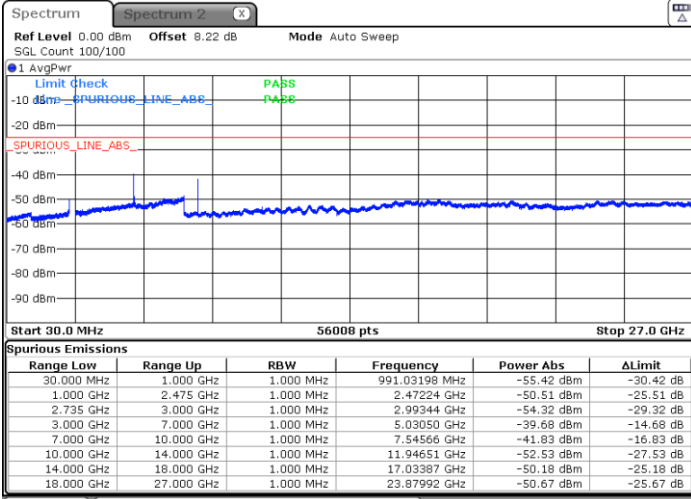
Date: 20.OCT.2023 14:30:39



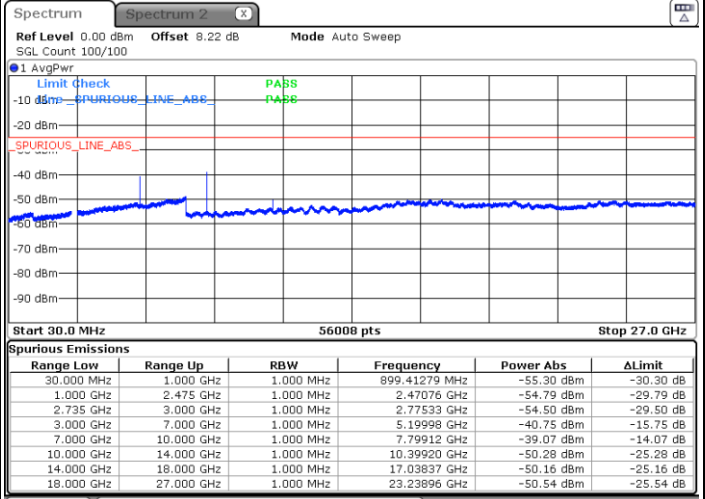
LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

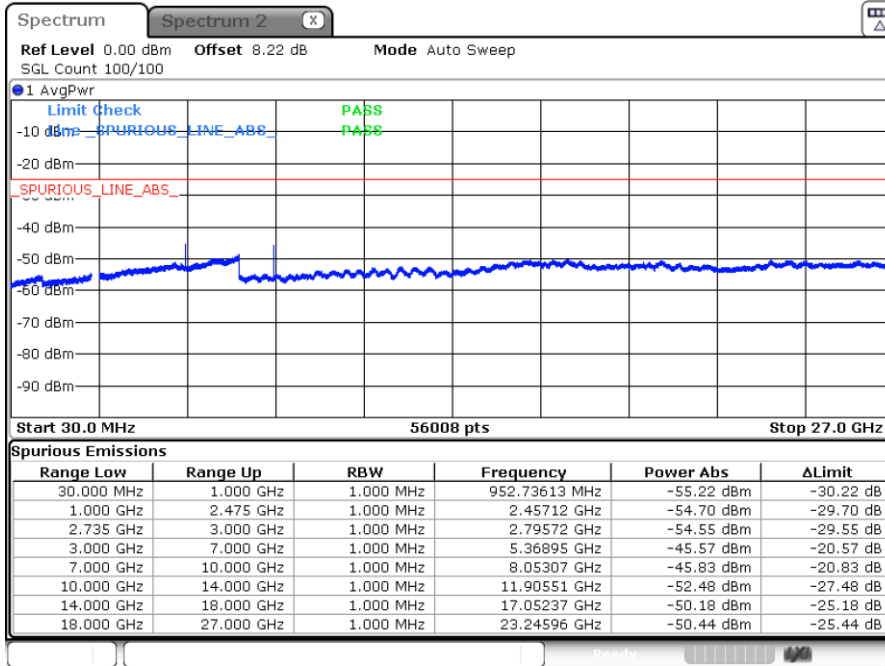


Date: 20.OCT.2023 15:09:26



Date: 20.OCT.2023 15:22:41

Highest Channel / QPSK



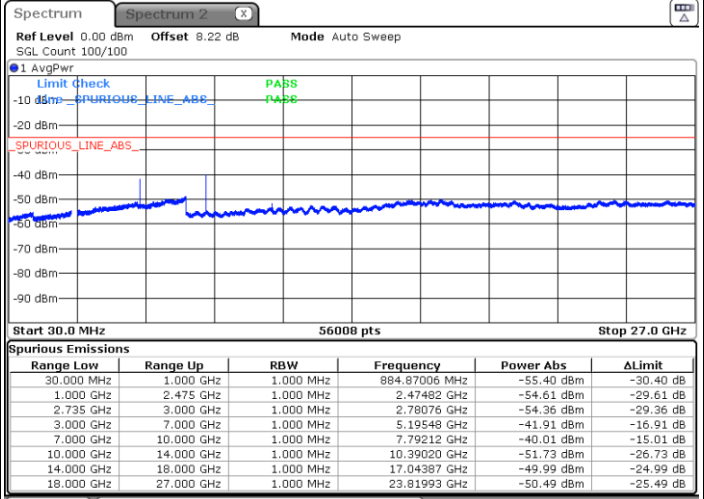
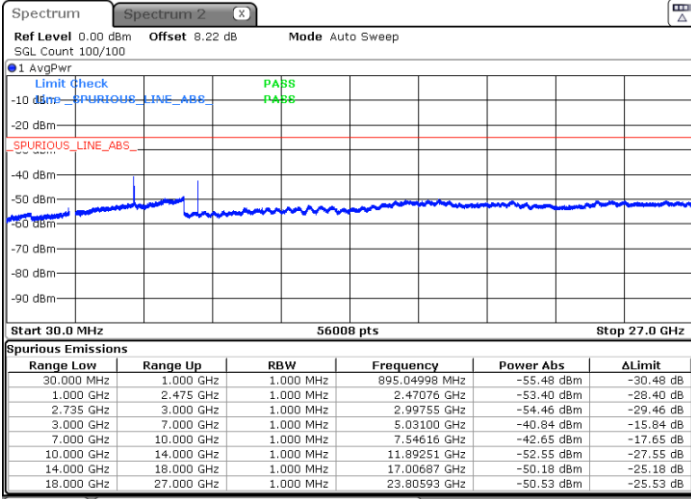
Date: 20.OCT.2023 15:24:15



LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

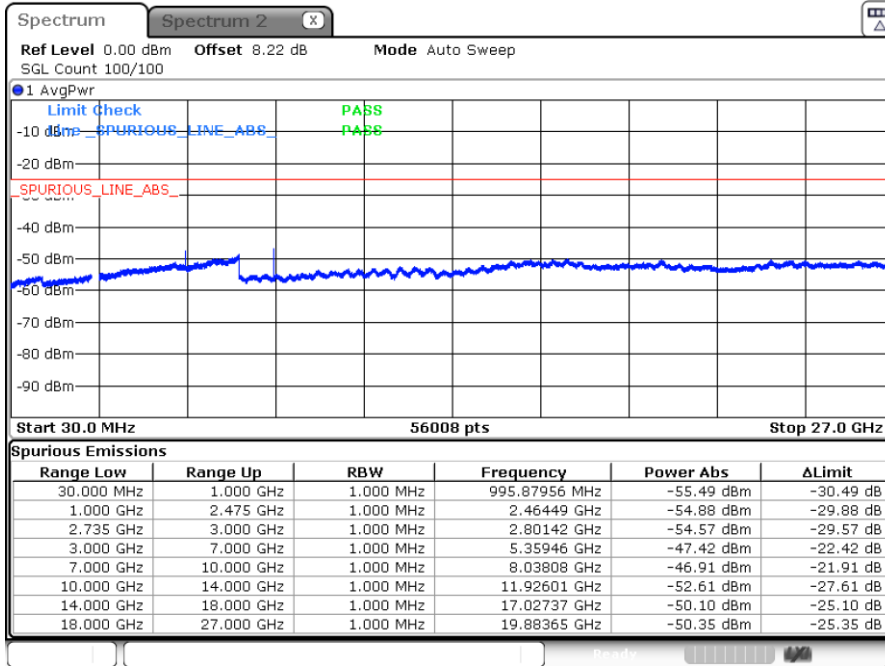
Middle Channel / QPSK



Date: 20.OCT.2023 15:37:18

Date: 20.OCT.2023 15:50:33

Highest Channel / QPSK



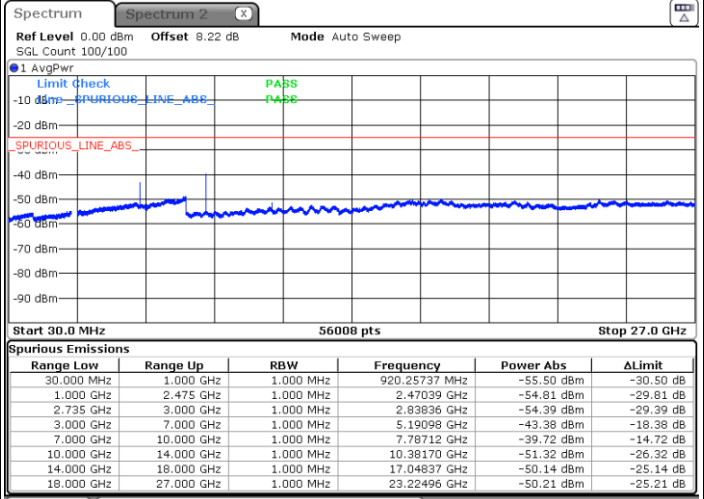
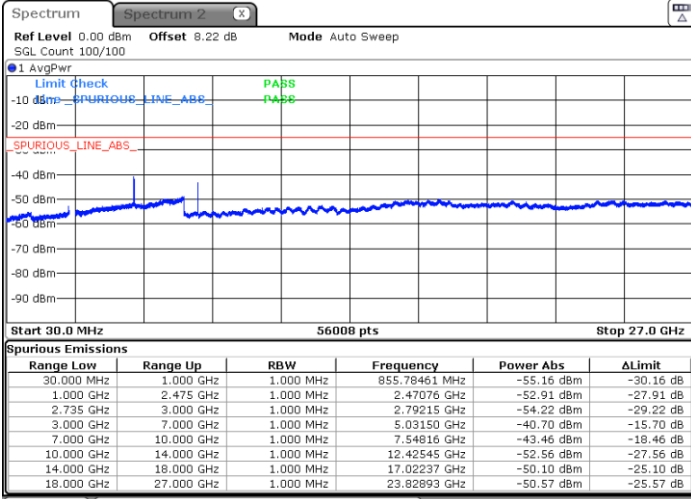
Date: 20.OCT.2023 15:52:06



LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

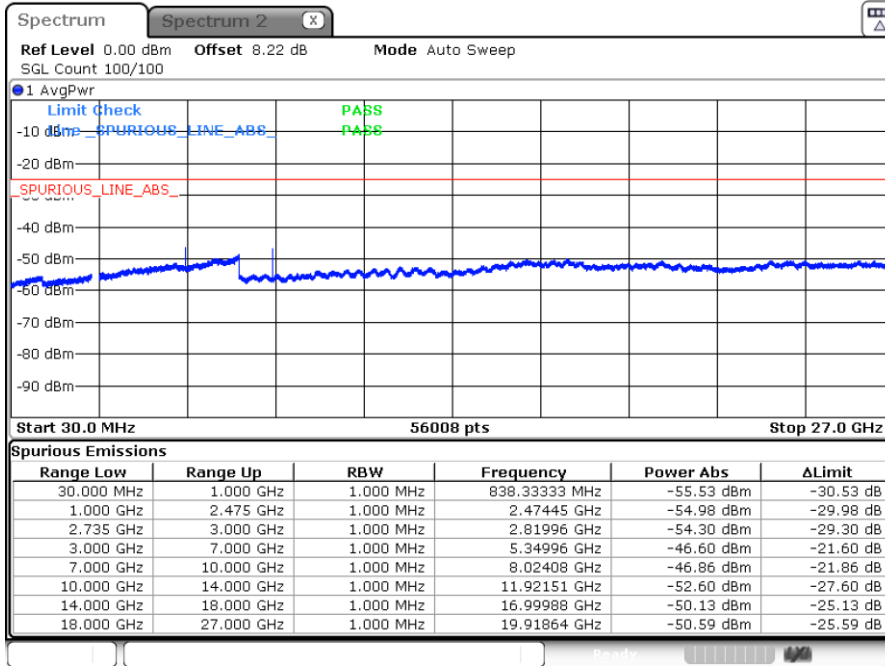
Middle Channel / QPSK



Date: 20.OCT.2023 16:04:57

Date: 20.OCT.2023 16:16:36

Highest Channel / QPSK



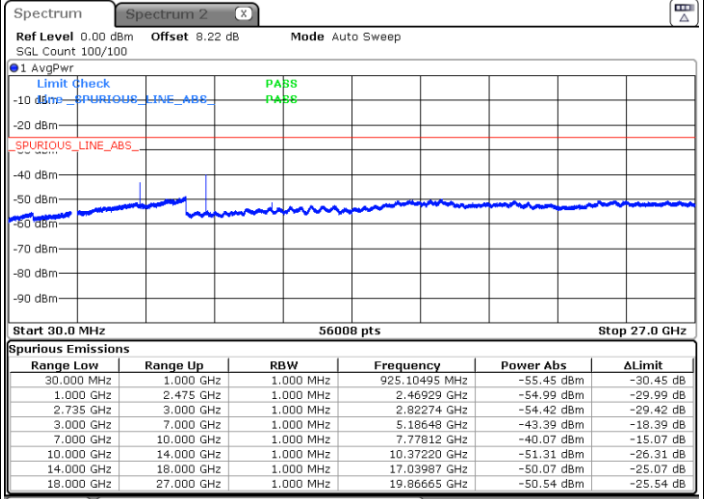
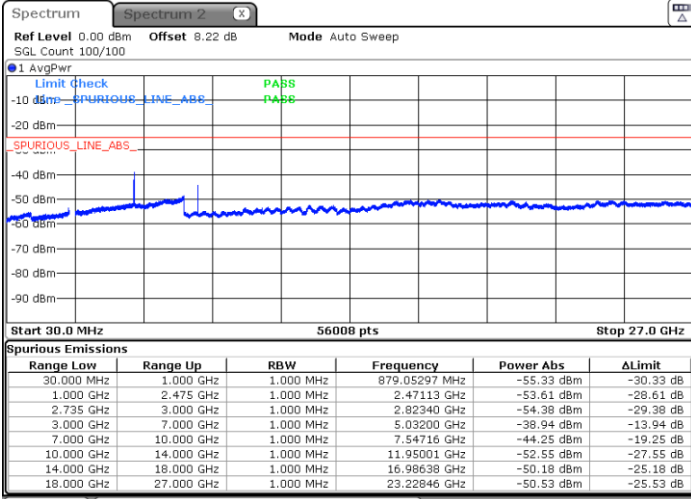
Date: 20.OCT.2023 16:18:10



LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

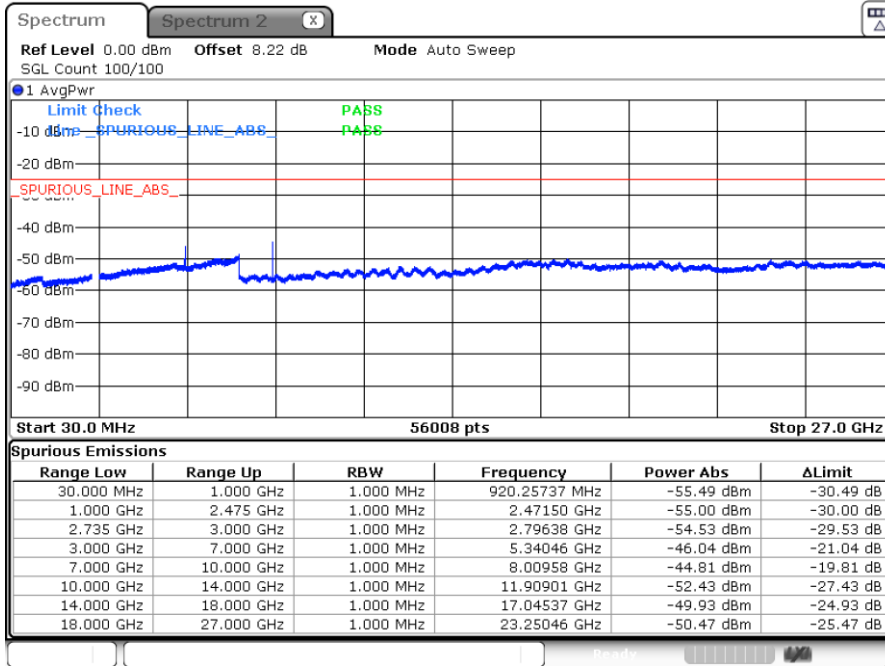
Middle Channel / QPSK



Date: 20.OCT.2023 16:29:31

Date: 20.OCT.2023 16:41:13

Highest Channel / QPSK



Date: 20.OCT.2023 16:42:47



Frequency Stability

Test Conditions		LTE Band 41C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0029	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0034	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 41 / 20MHz / QPSK_Ant4								
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	5162	-63.28	-25	-38.28	-73.49	3.03	13.24	H
	7752	-62.50	-25	-37.50	-71.95	3.56	13.01	H
	10342	-61.52	-25	-36.52	-71.04	3.92	13.44	H
	5162	-63.56	-25	-38.56	-73.77	3.03	13.24	V
	7752	-62.51	-25	-37.51	-71.96	3.56	13.01	V
	10342	-61.11	-25	-36.11	-70.63	3.92	13.44	V

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

1RB0

LTE Band 41C / 20MHz + 20MHz / QPSK_Ant4								
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	5148	-63.10	-25	-38.10	-73.31	3.03	13.24	H
	7724	-61.87	-25	-36.87	-71.32	3.56	13.01	H
	10300	-61.03	-25	-36.03	-70.55	3.92	13.44	H
	5148	-63.50	-25	-38.50	-73.71	3.03	13.24	V
	7724	-61.98	-25	-36.98	-71.43	3.56	13.01	V
	10300	-61.52	-25	-36.52	-71.04	3.92	13.44	V

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

1RBMAX

LTE Band 41C / 20MHz + 20MHz / QPSK_Ant4								
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	5190	-63.32	-25	-38.32	-73.53	3.03	13.24	H
	7780	-62.44	-25	-37.44	-71.89	3.56	13.01	H
	10370	-61.14	-25	-36.14	-70.66	3.92	13.44	H
	5190	-63.44	-25	-38.44	-73.65	3.03	13.24	V
	7780	-62.23	-25	-37.23	-71.68	3.56	13.01	V
	10370	-61.43	-25	-36.43	-70.95	3.92	13.44	V

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



Other PA

EN-DC_41A_n78A / LTE 20MHz + NR 100MHz / QPSK / ANT1(LTE) & ANT5(NR)								
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	5162	-63.38	-25	-38.38	-73.59	3.03	13.24	H
	7752	-62.62	-25	-37.62	-72.07	3.56	13.01	H
	10342	-60.00	-25	-35.00	-69.52	3.92	13.44	H
	5162	-63.14	-25	-38.14	-73.35	3.03	13.24	V
	7752	-62.48	-25	-37.48	-71.93	3.56	13.01	V
	10342	-61.99	-25	-36.99	-71.51	3.92	13.44	V

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