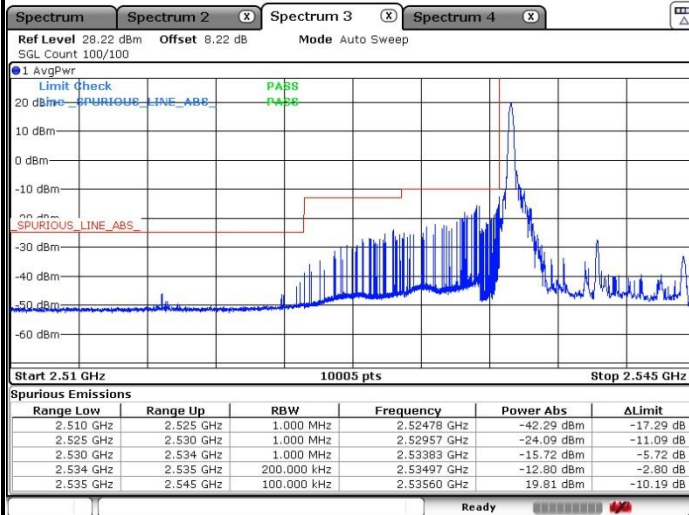


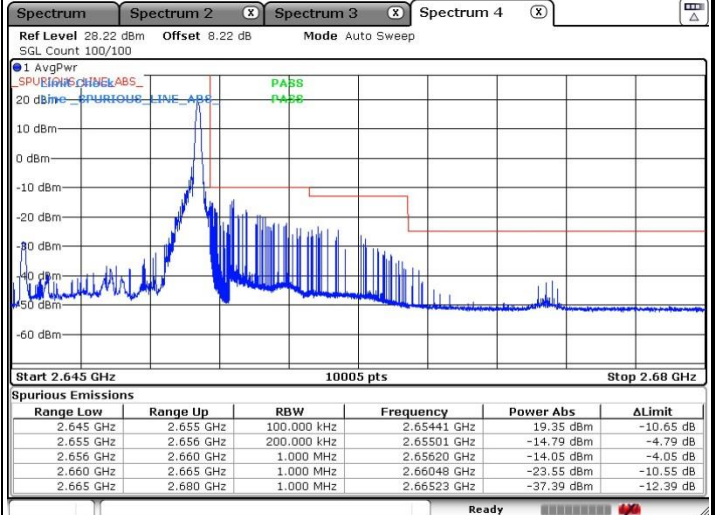


LTE Band 41 / 10MHz / 16QAM

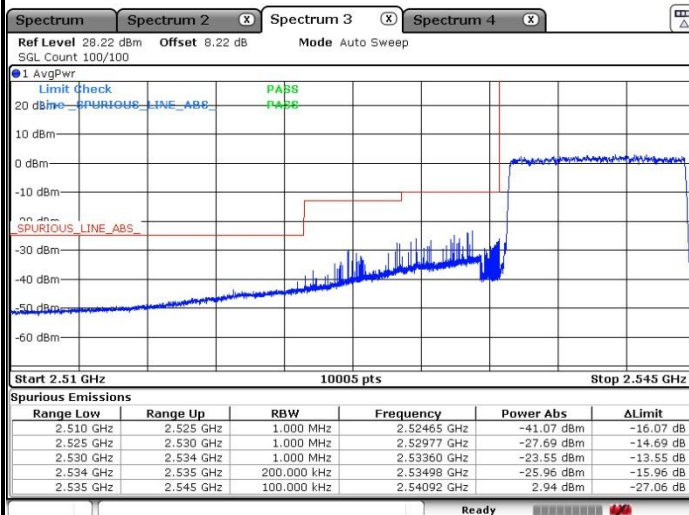
Lowest Band Edge / 1 RB



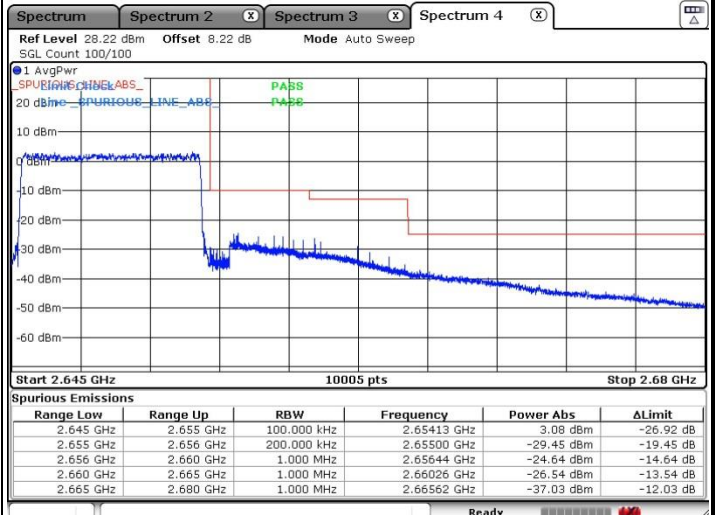
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



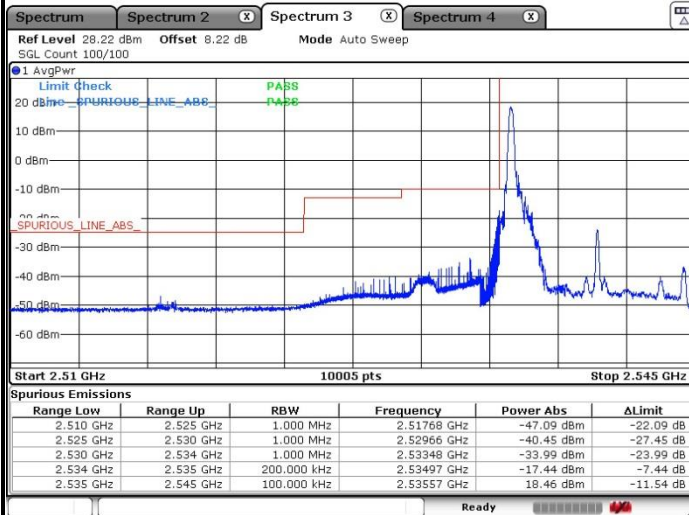
Highest Band Edge / Full RB





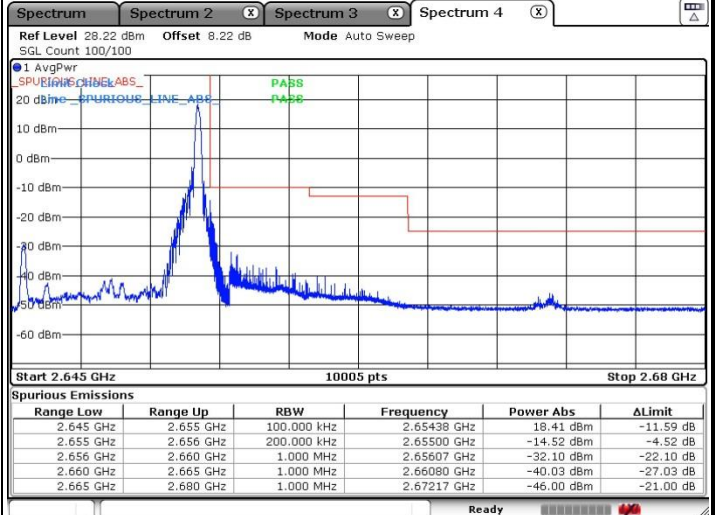
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



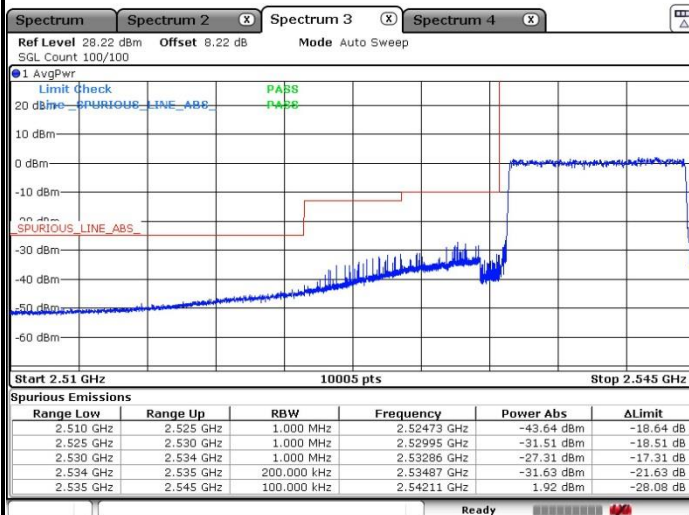
Date: 19.FEB.2021 13:02:59

Highest Band Edge / 1 RB



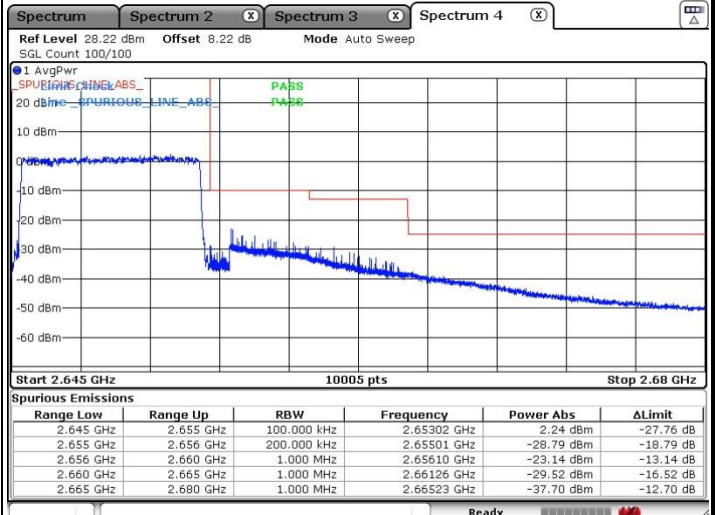
Date: 19.FEB.2021 13:06:03

Lowest Band Edge / Full RB



Date: 19.FEB.2021 13:04:03

Highest Band Edge / Full RB



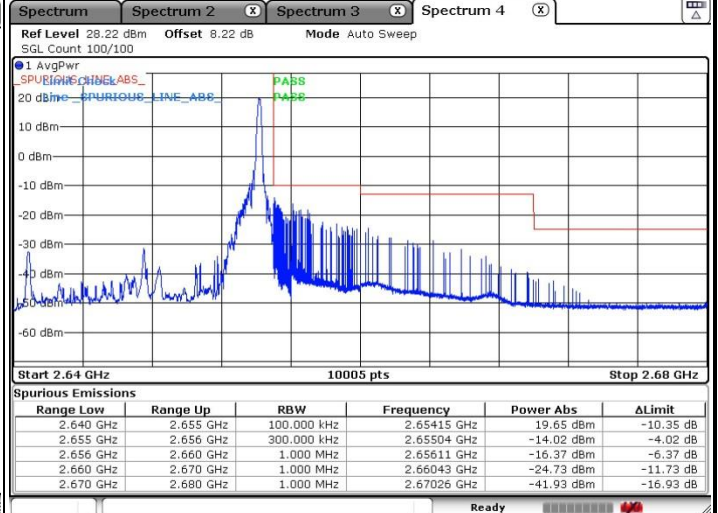
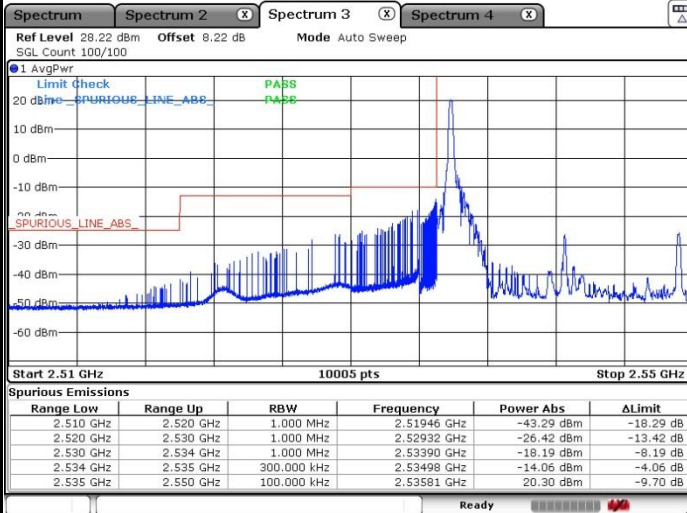
Date: 19.FEB.2021 13:05:05



LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

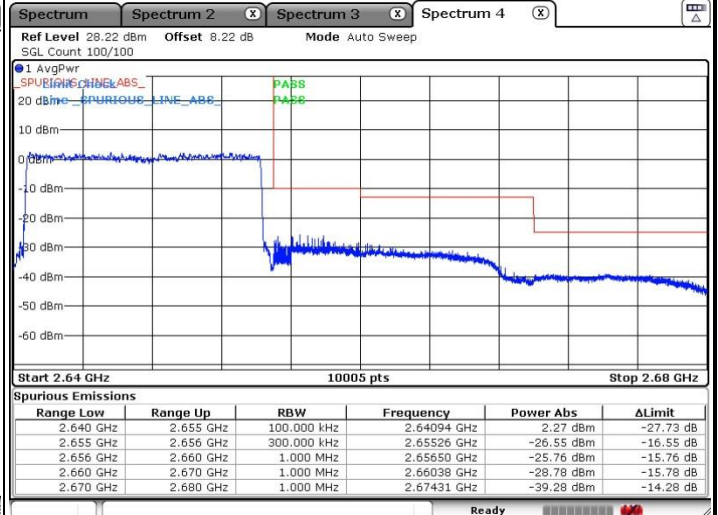
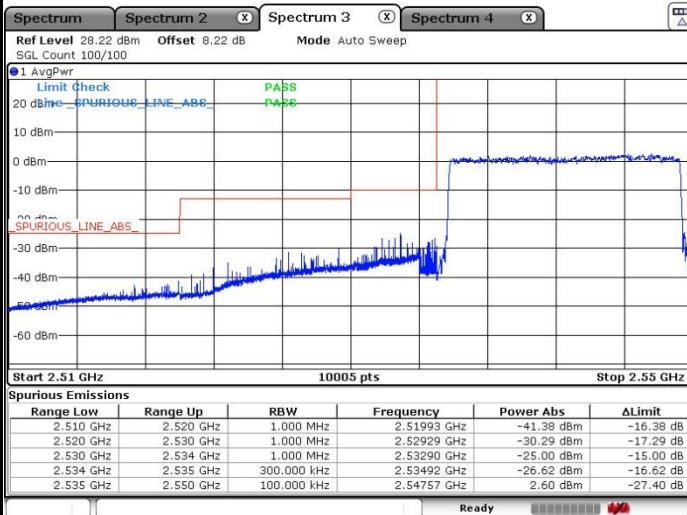


Date: 19.FEB.2021 13:07:36

Date: 19.FEB.2021 13:08:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



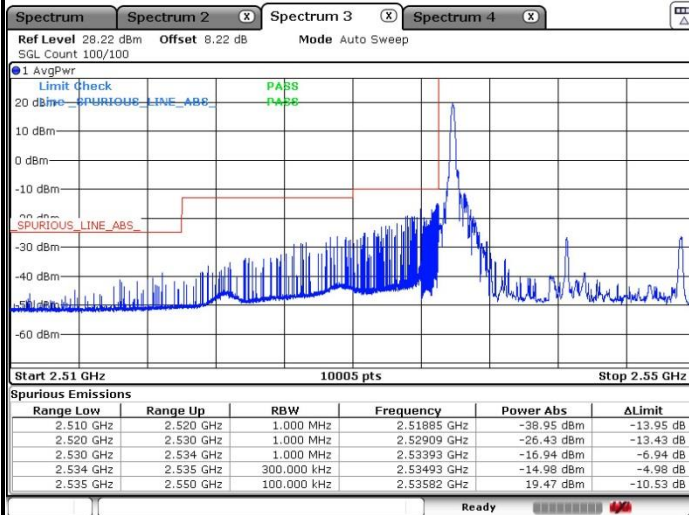
Date: 19.FEB.2021 13:06:40

Date: 19.FEB.2021 13:10:05



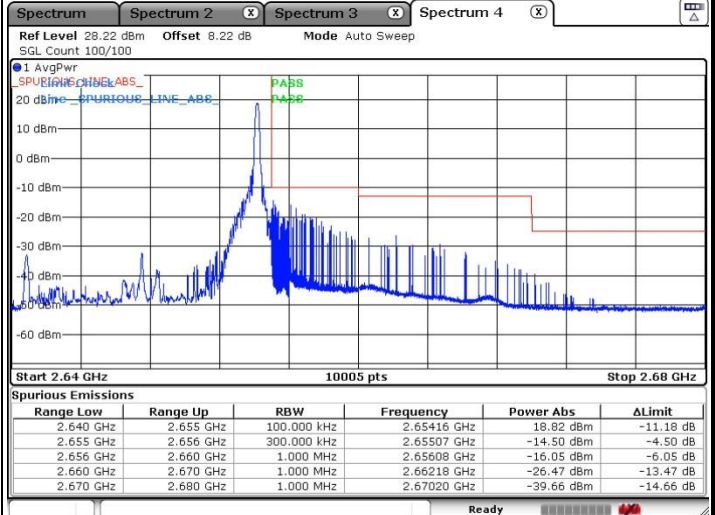
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



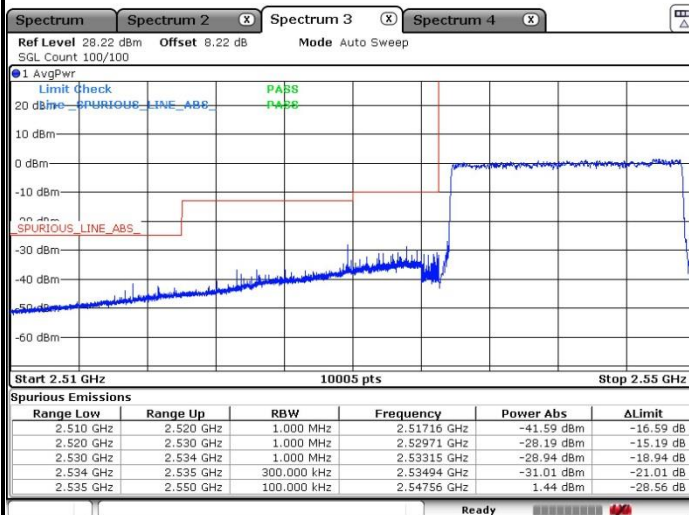
Date: 19.FEB.2021 13:08:00

Highest Band Edge / 1 RB



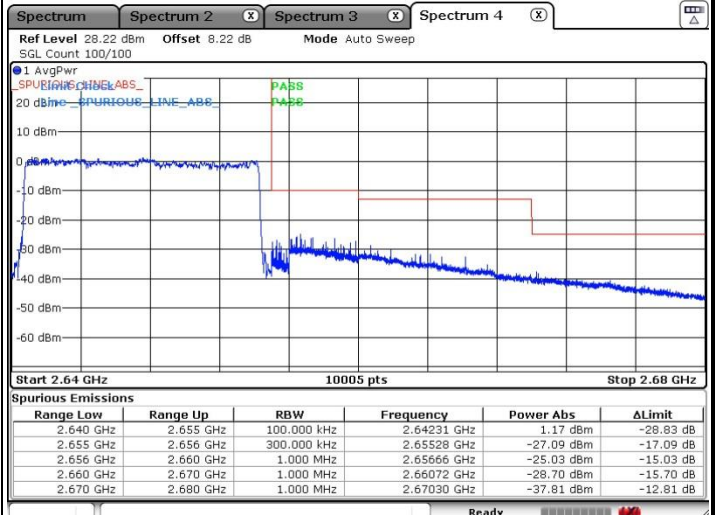
Date: 19.FEB.2021 13:09:12

Lowest Band Edge / Full RB



Date: 19.FEB.2021 13:07:02

Highest Band Edge / Full RB



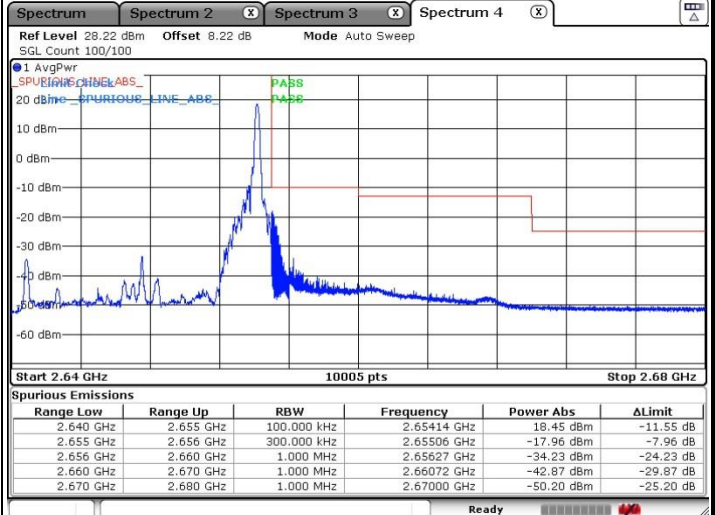
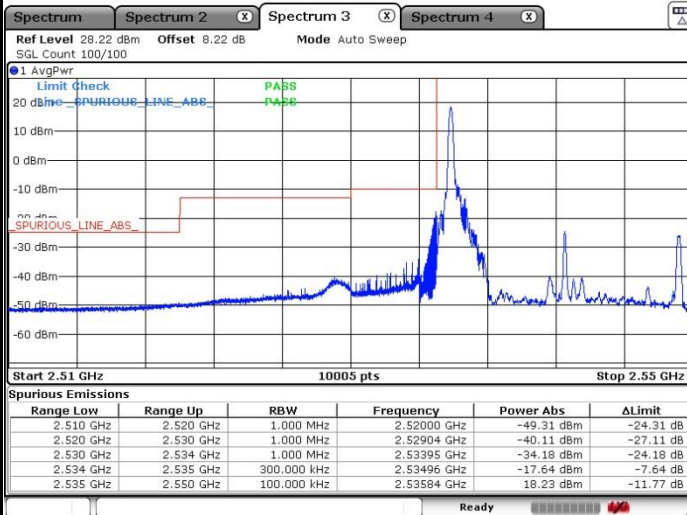
Date: 19.FEB.2021 13:10:27



LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

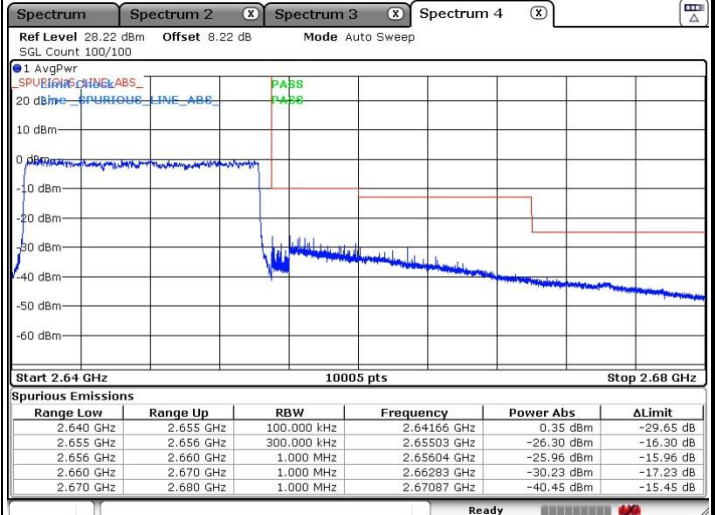
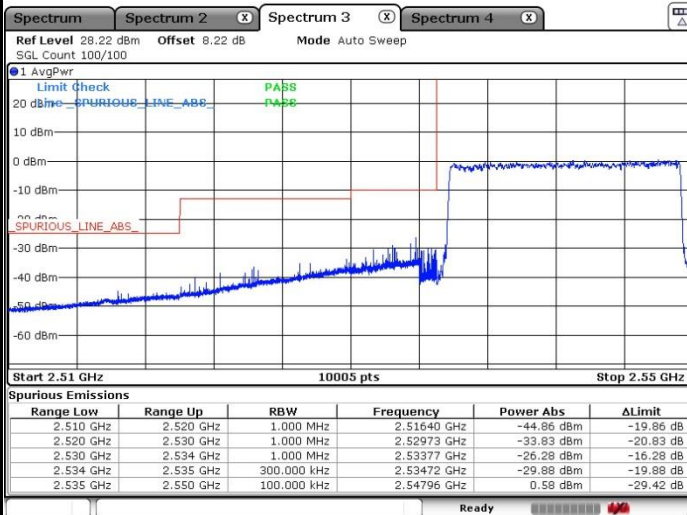


Date: 19.FEB.2021 13:08:17

Date: 19.FEB.2021 13:09:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



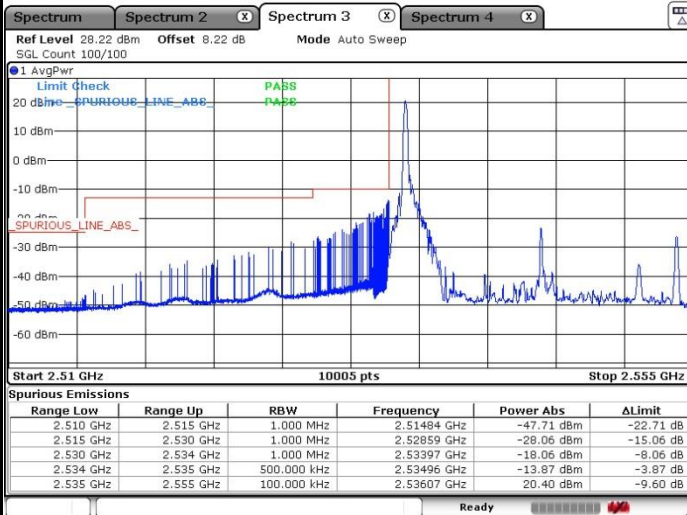
Date: 19.FEB.2021 13:07:16

Date: 19.FEB.2021 13:10:42

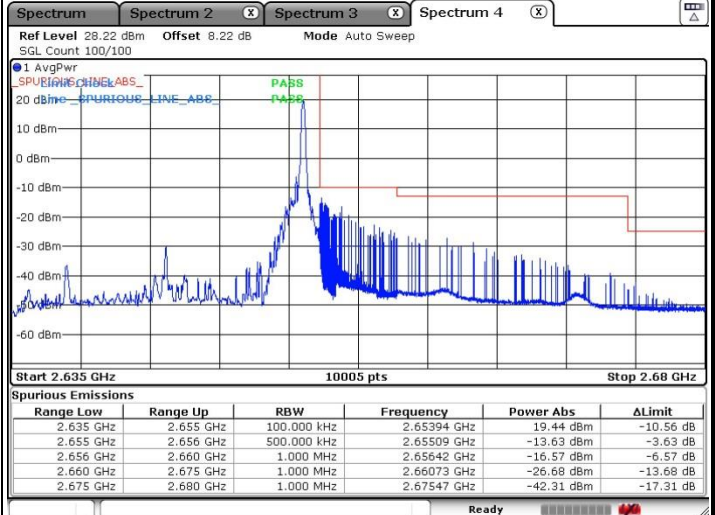


LTE Band 41 / 20MHz / QPSK

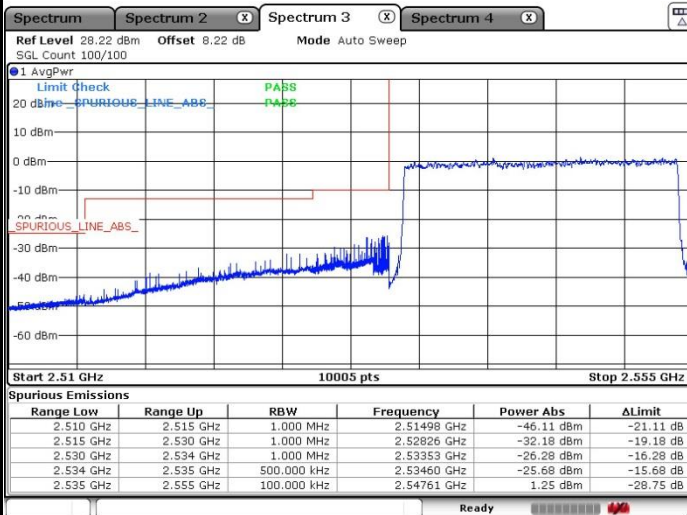
Lowest Band Edge / 1 RB



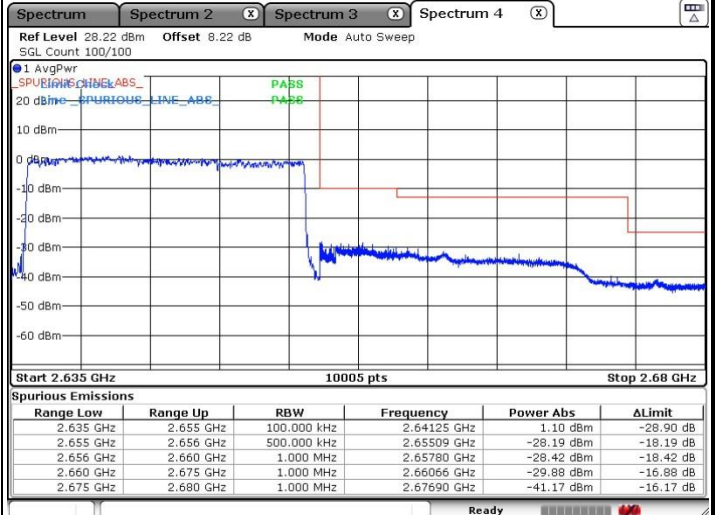
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



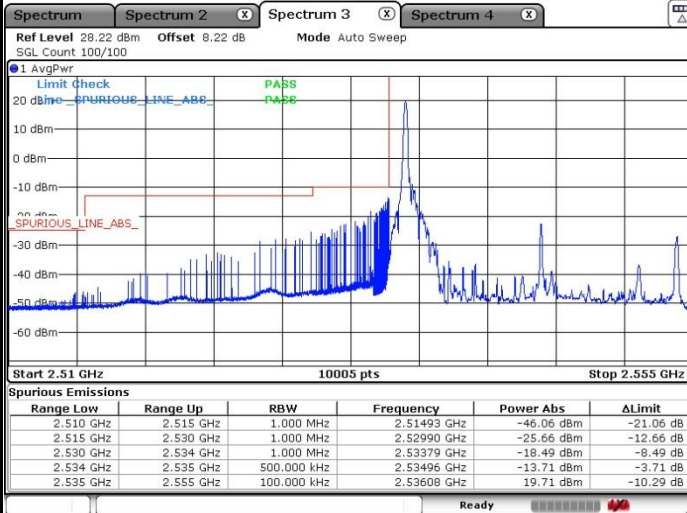
Highest Band Edge / Full RB



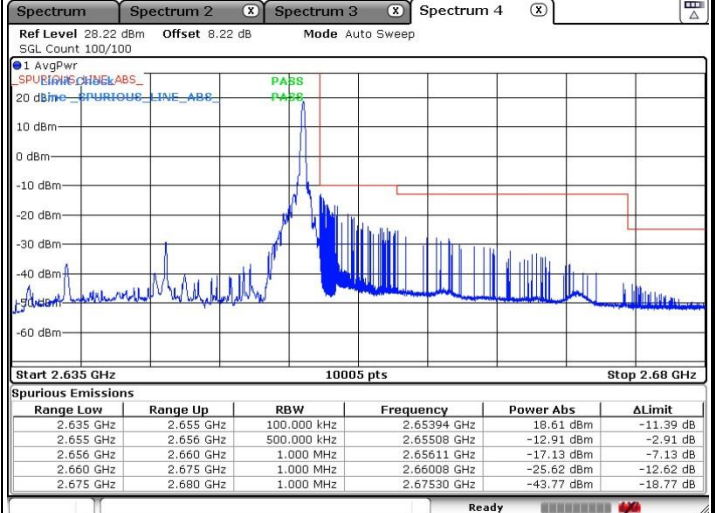


LTE Band 41 / 20MHz / 16QAM

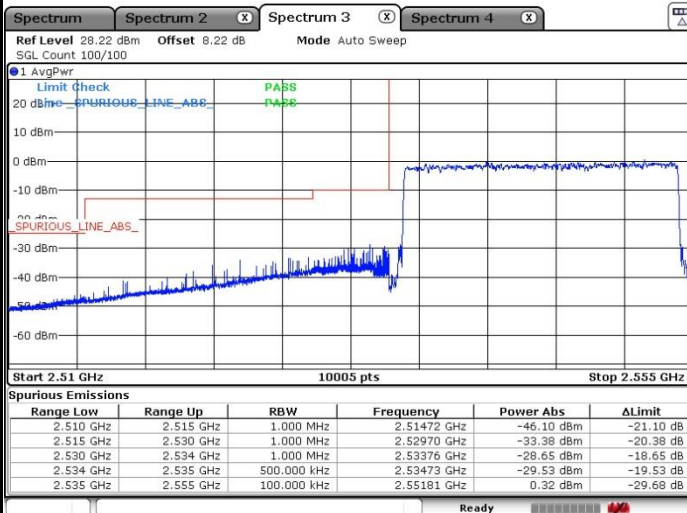
Lowest Band Edge / 1 RB



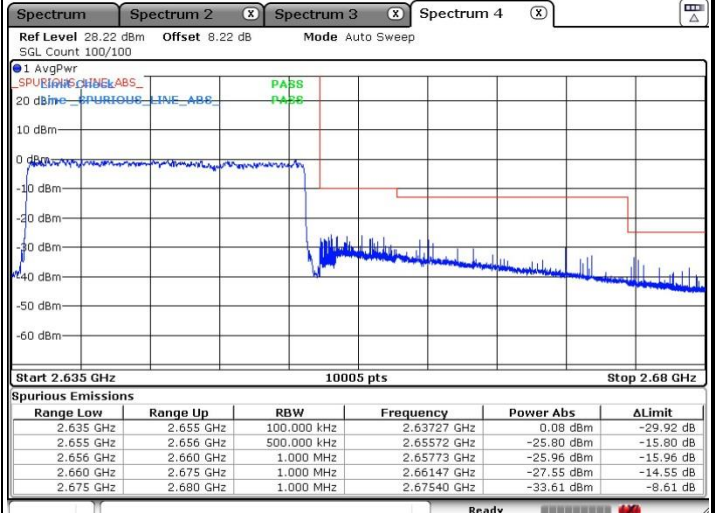
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



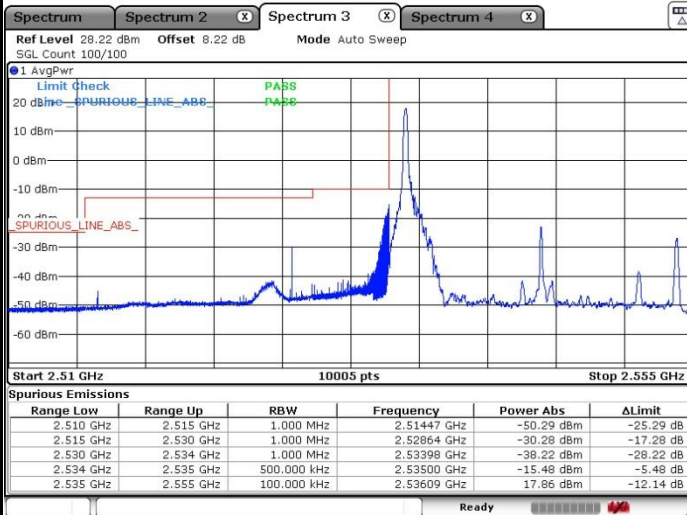
Highest Band Edge / Full RB





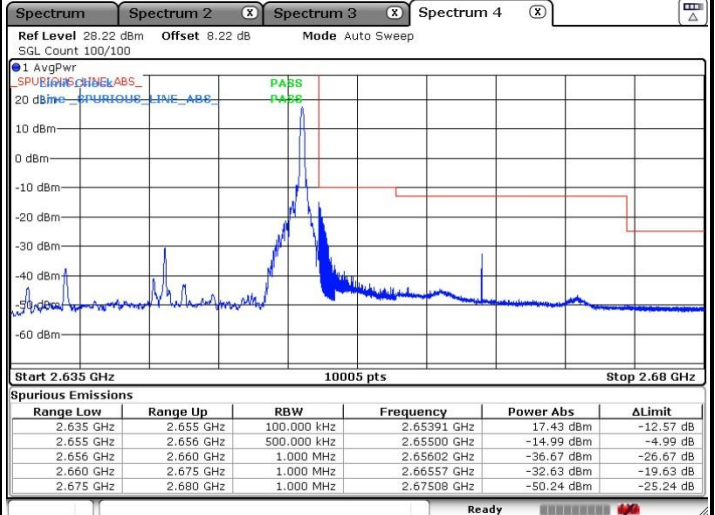
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



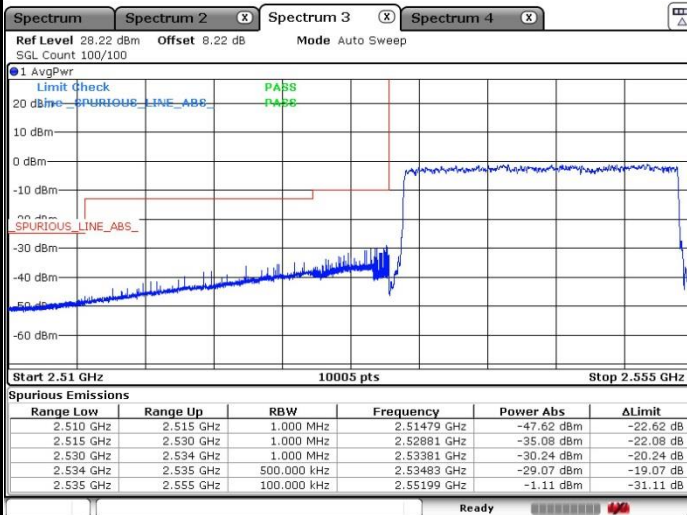
Date: 19.FEB.2021 13:27:12

Highest Band Edge / 1 RB



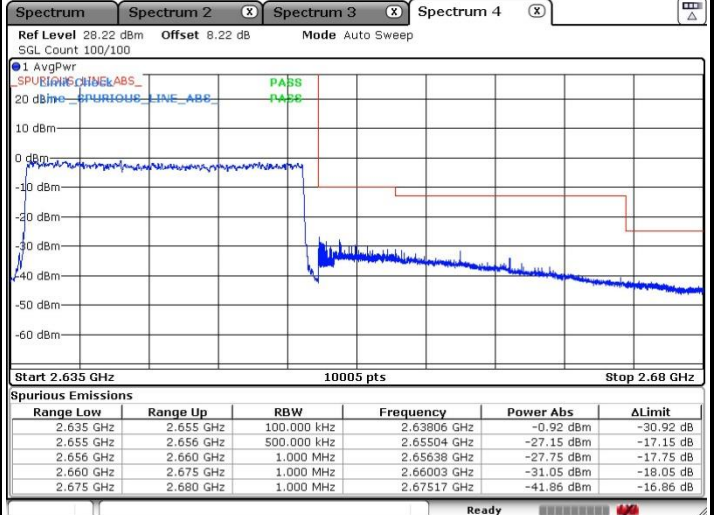
Date: 19.FEB.2021 13:28:40

Lowest Band Edge / Full RB



Date: 19.FEB.2021 13:26:16

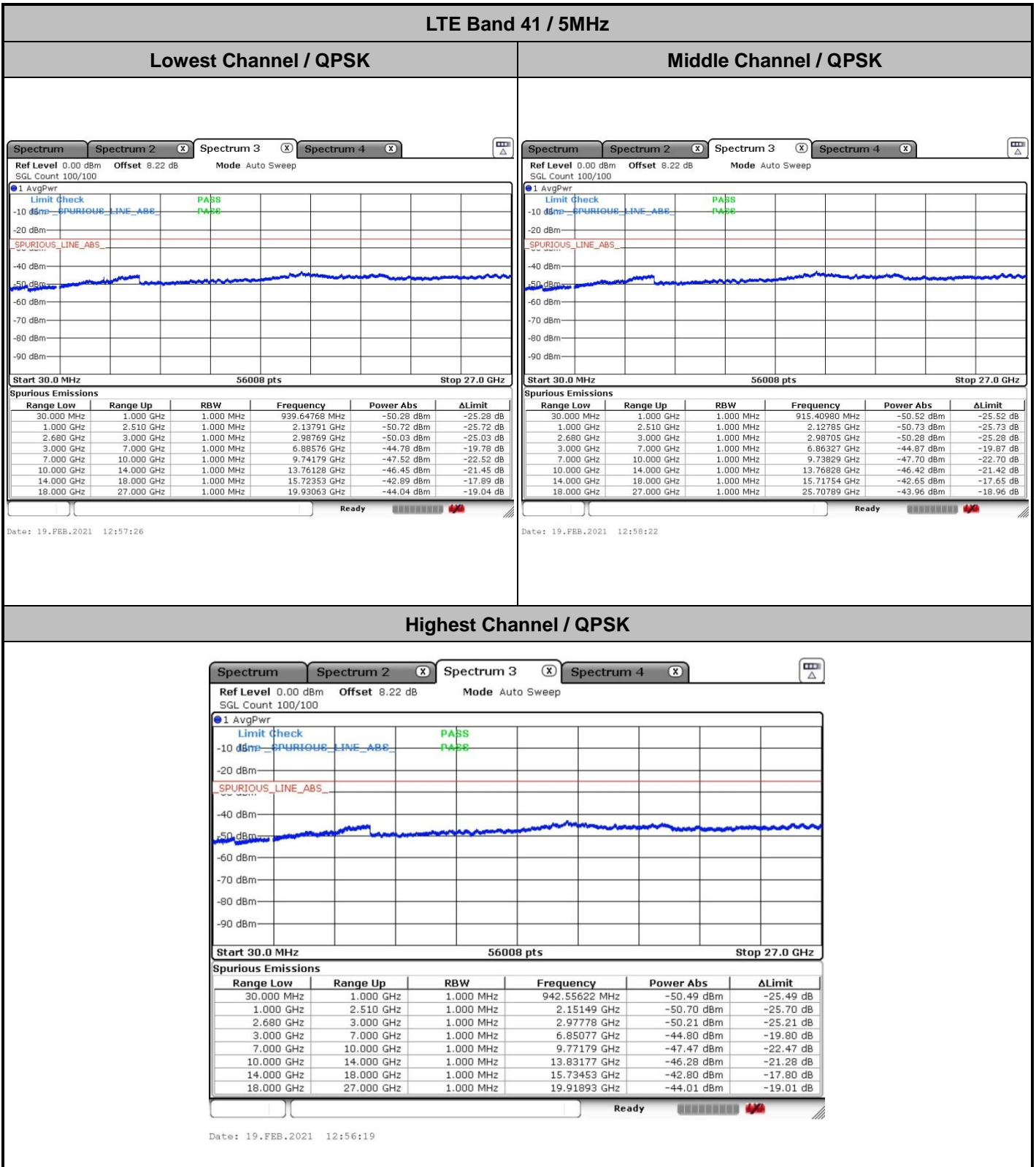
Highest Band Edge / Full RB



Date: 19.FEB.2021 13:29:43



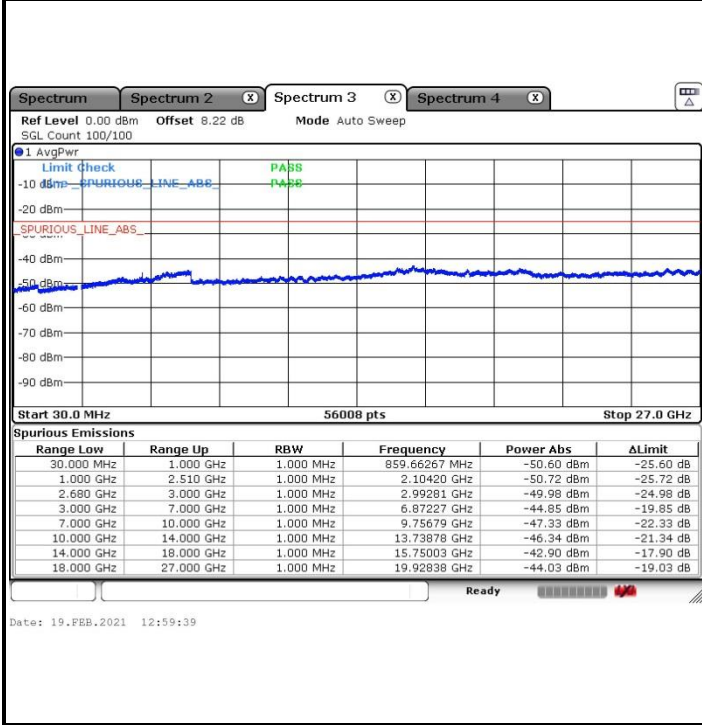
Conducted Spurious Emission





LTE Band 41 / 10MHz

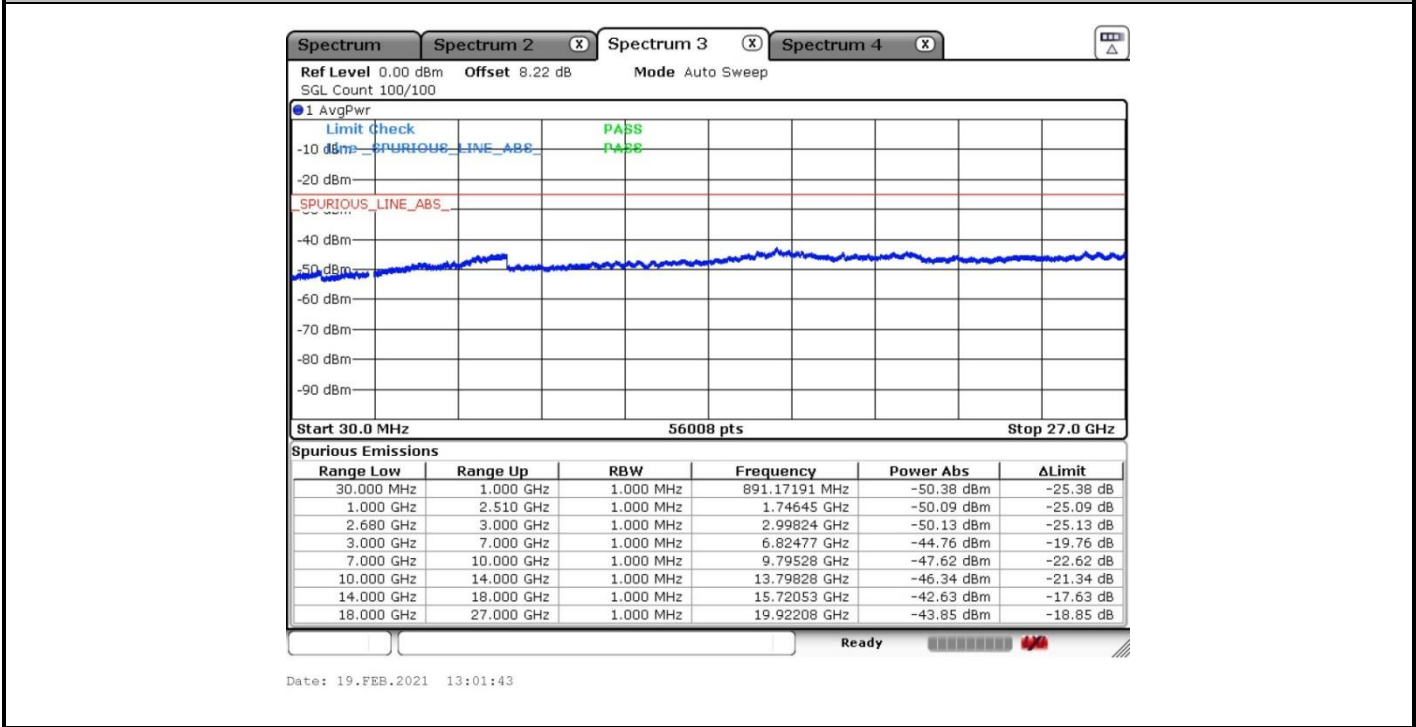
Lowest Channel / QPSK



Middle Channel / QPSK



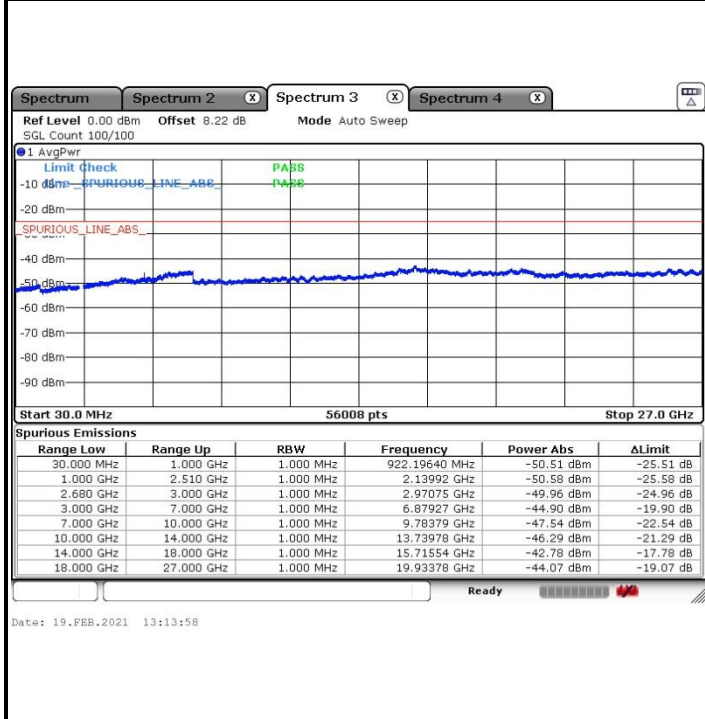
Highest Channel / QPSK



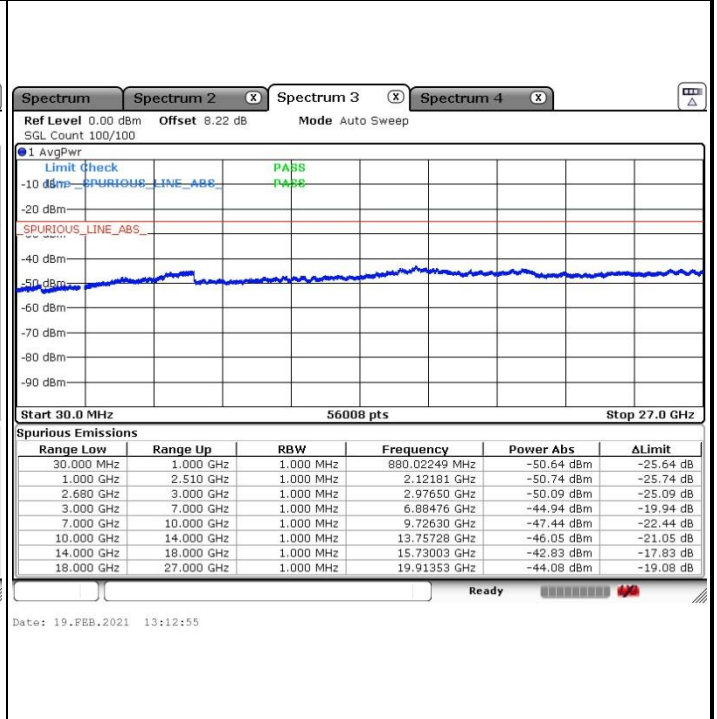


LTE Band 41 / 15MHz

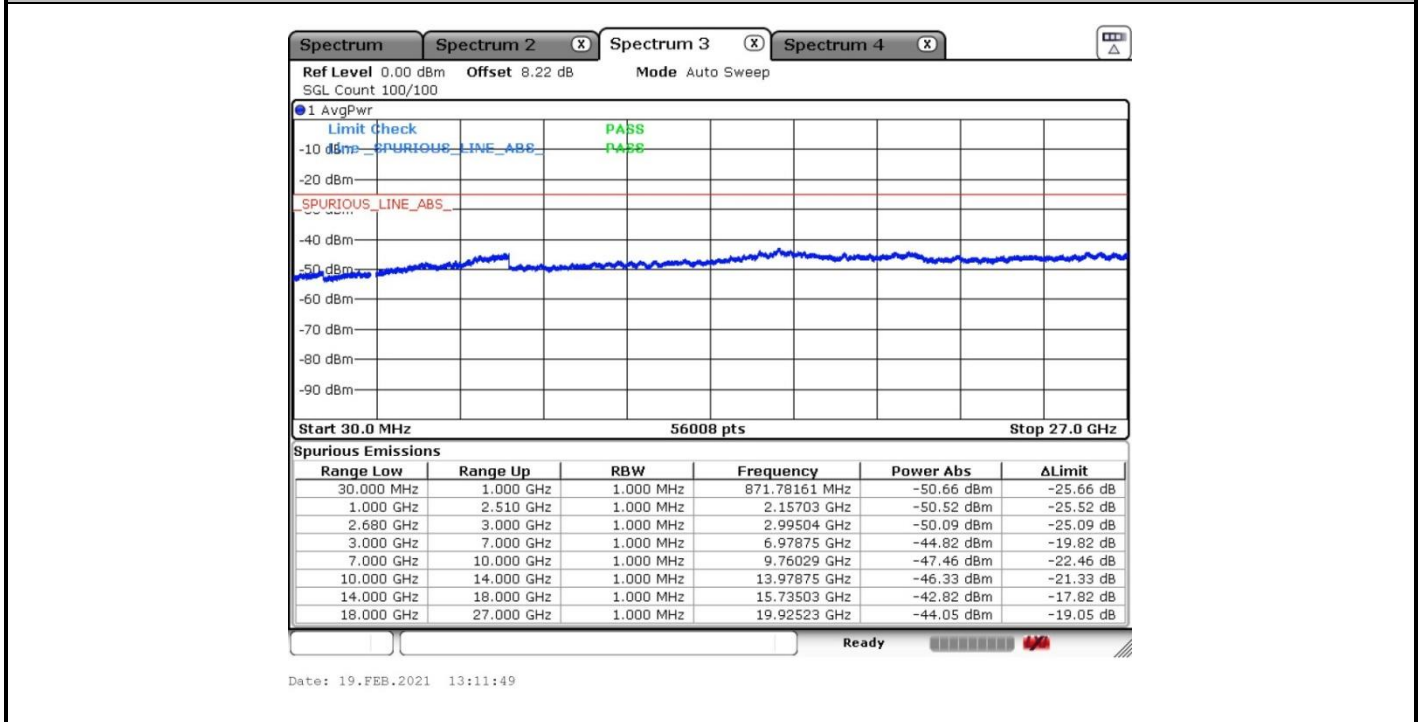
Lowest Channel / QPSK



Middle Channel / QPSK



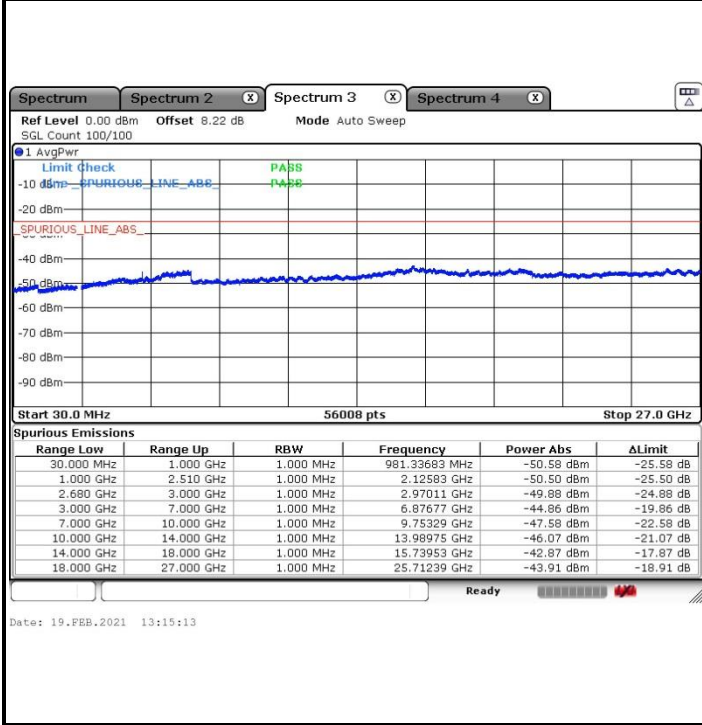
Highest Channel / QPSK



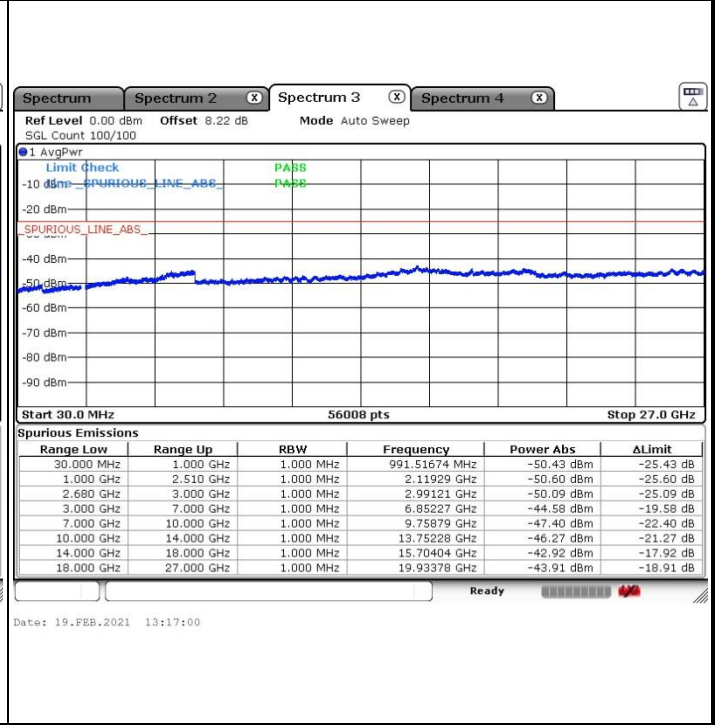


LTE Band 41 / 20MHz

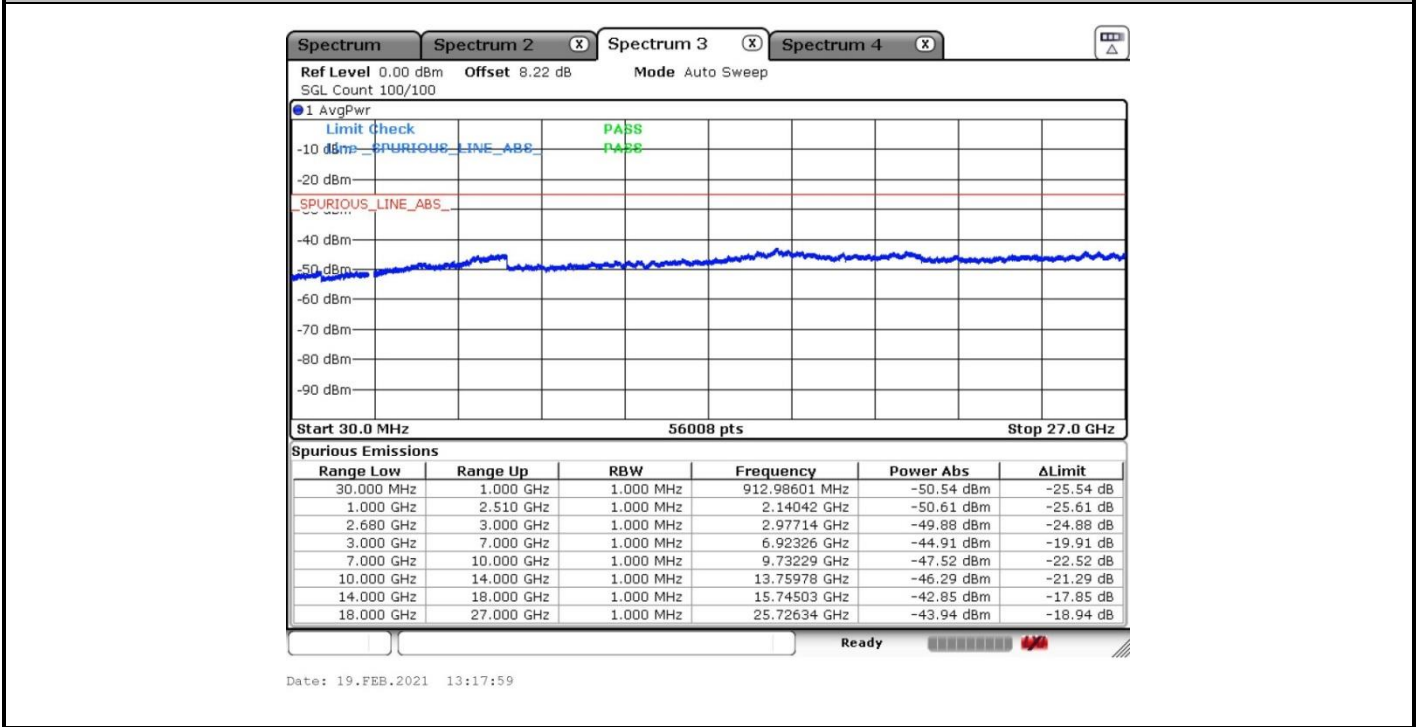
Lowest Channel / QPSK



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	0.0004	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5V. ; Maximum Voltage =4.4 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 2 / 20MHz / QPSK								
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	3741	-56.38	-13	-43.38	-68.64	2.64	14.90	H
	5613	-54.64	-13	-41.64	-66.50	2.94	14.80	H
	7488	-52.00	-13	-39.00	-61.77	3.39	13.16	H
	3741	-56.49	-13	-43.49	-68.75	2.64	14.90	V
	5613	-55.37	-13	-42.37	-67.23	2.94	14.80	V
	7488	-51.93	-13	-38.93	-61.70	3.39	13.16	V

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

LTE Band 7 / 20MHz / QPSK								
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	5052	-54.76	-25	-29.76	-64.97	3.03	13.24	H
	7580	-60.38	-25	-35.38	-69.83	3.56	13.01	H
	10100	-59.01	-25	-34.01	-68.53	3.92	13.44	H
	5052	-53.25	-25	-28.25	-63.46	3.03	13.24	V
	7580	-59.50	-25	-34.50	-68.95	3.56	13.01	V
	10100	-59.33	-25	-34.33	-68.85	3.92	13.44	V

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

LTE Band 26 / 15MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1660	-58.42	-13	-45.42	-65.39	1.58	10.70	H
	2490	-57.83	-13	-44.83	-66.08	2.102	12.50	H
	3318	-60.41	-13	-47.41	-69.30	2.856	13.90	H
	4146	-58.65	-13	-45.65	-67.11	2.689	13.30	H
	1660	-60.18	-13	-47.18	-67.15	1.58	10.70	V
	2490	-56.78	-13	-43.78	-65.03	2.10	12.50	V
	3318	-60.33	-13	-47.33	-69.22	2.86	13.90	V
	4146	-59.09	-13	-46.09	-67.55	2.69	13.30	V

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



LTE Band 41 / 20MHz / QPSK								
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	5172	-54.76	-25	-29.76	-64.97	3.03	13.24	H
	7760	-36.56	-25	-11.56	-46.01	3.56	13.01	H
	10340	-57.68	-25	-32.68	-67.20	3.92	13.44	H
	5172	-56.92	-25	-31.92	-67.13	3.03	13.24	V
	7760	-43.83	-25	-18.83	-53.28	3.56	13.01	V
	10340	-57.64	-25	-32.64	-67.16	3.92	13.44	V

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