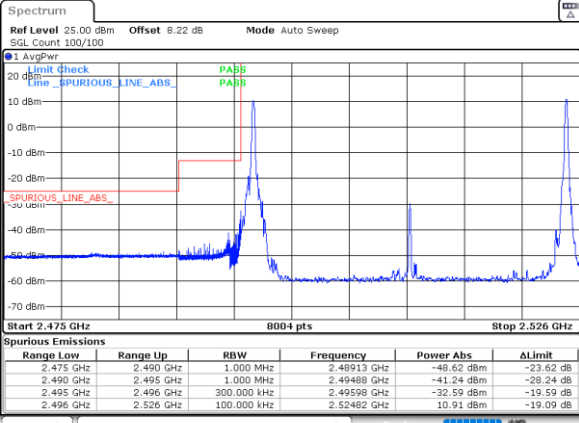




LTE Band 41C / 20MHz+10MHz

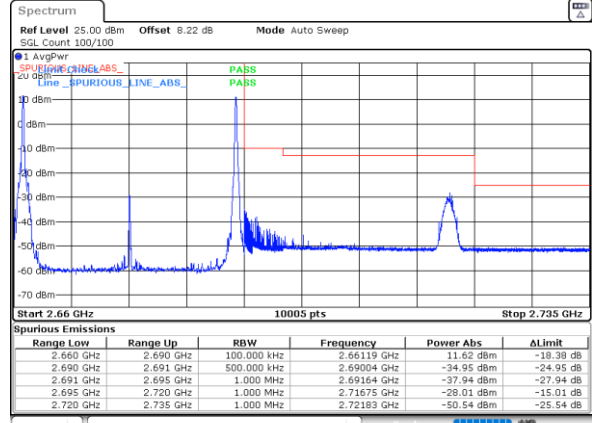
256QAM

Lowest Band Edge / 1RB0 and 1RB49



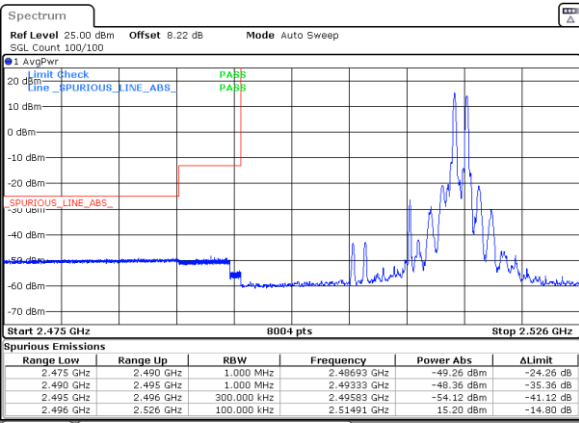
Date: 7.NOV.2022 22:12:16

Highest Band Edge / 1RB0 and 1RB49



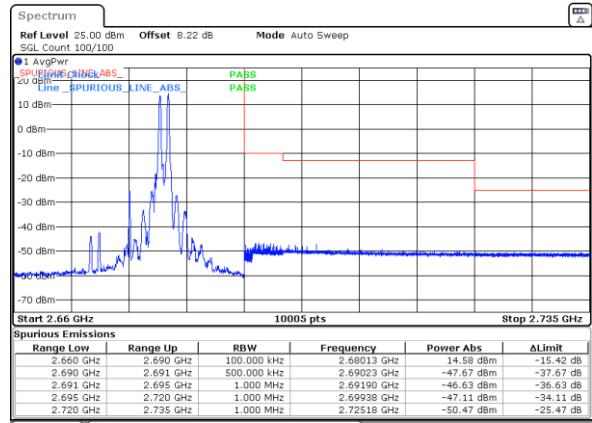
Date: 7.NOV.2022 22:27:12

Lowest Band Edge / 1RB99and 1RB0



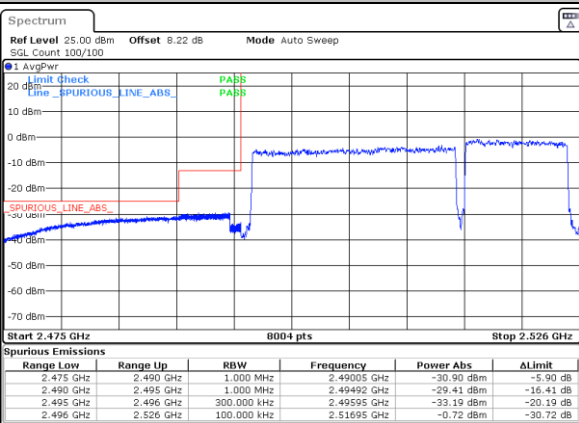
Date: 7.NOV.2022 22:08:22

Highest Band Edge / 1RB99 and 1RB0



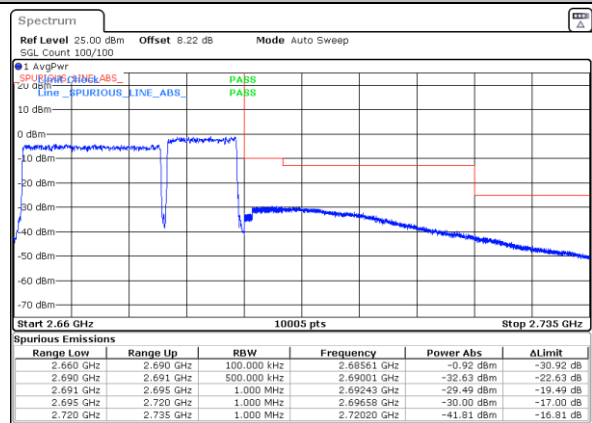
Date: 7.NOV.2022 22:23:16

Lowest Band Edge / Full RB



Date: 7.NOV.2022 22:16:12

Highest Band Edge / Full RB



Date: 7.NOV.2022 22:31:08

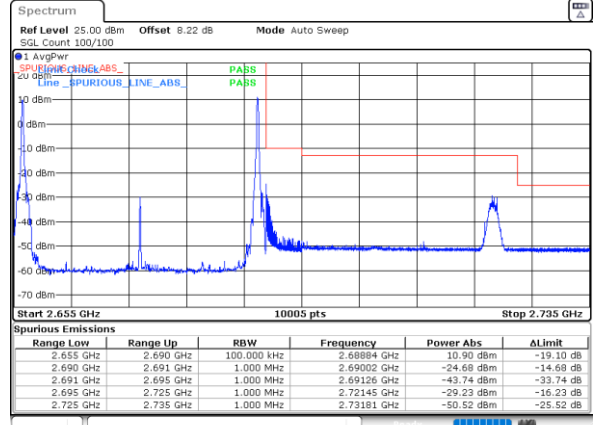
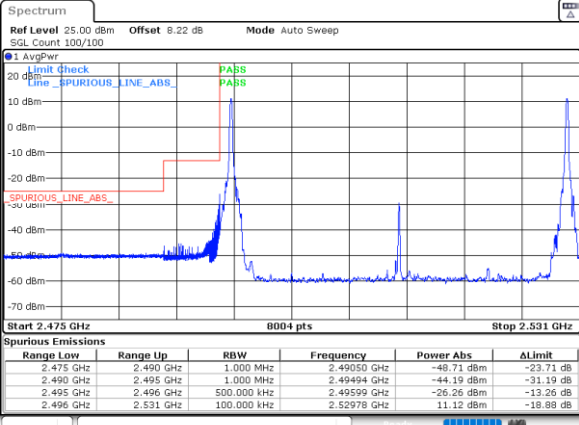


LTE Band 41C / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

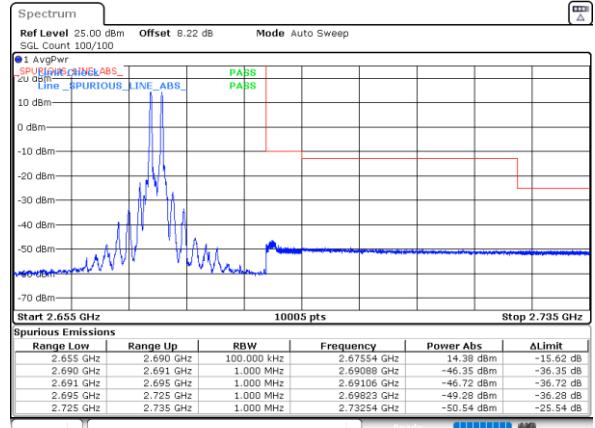
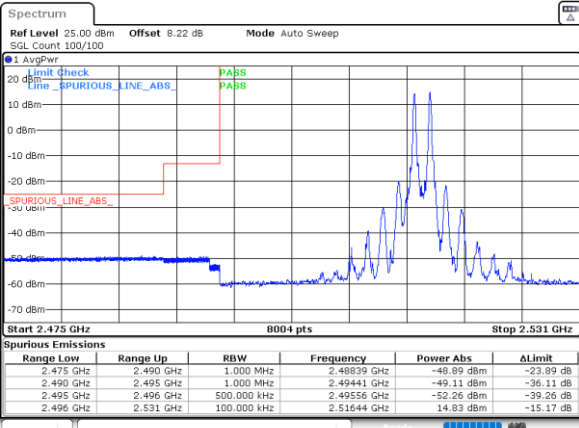


Date: 7,NOV,2022 22:40:35

Date: 7,NOV,2022 23:16:26

Lowest Band Edge / 1RB99and 1RB0

Highest Band Edge / 1RB99 and 1RB0

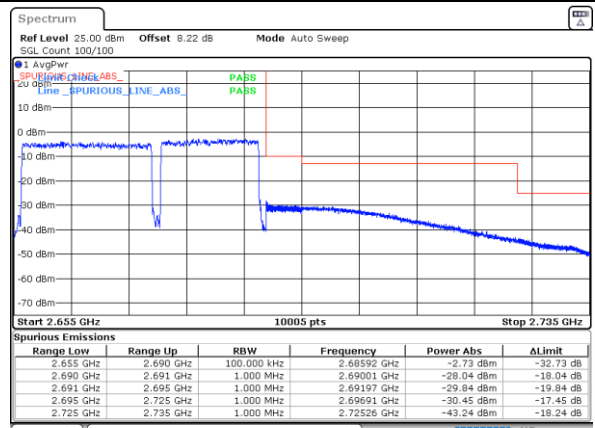
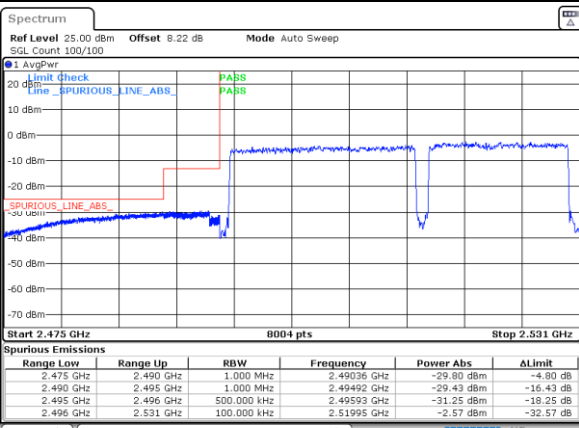


Date: 7,NOV,2022 22:36:37

Date: 7,NOV,2022 22:51:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7,NOV,2022 22:44:32

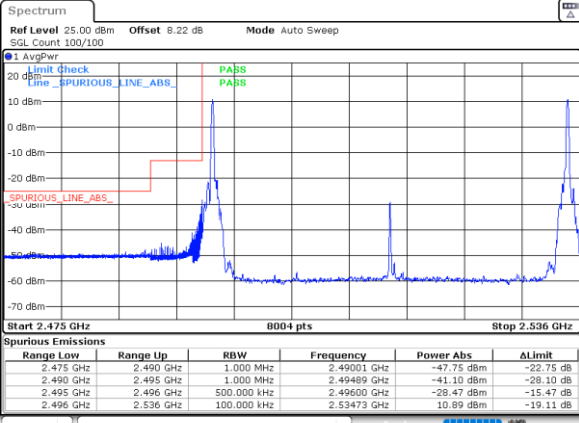
Date: 7,NOV,2022 23:22:22



LTE Band 41C / 20MHz+20MHz

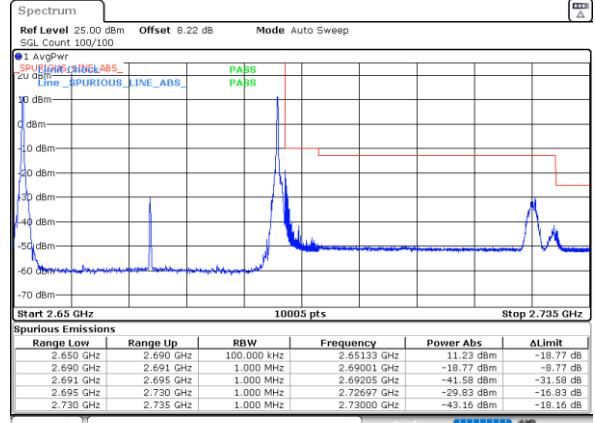
256QAM

Lowest Band Edge / 1RB0 and 1RB9



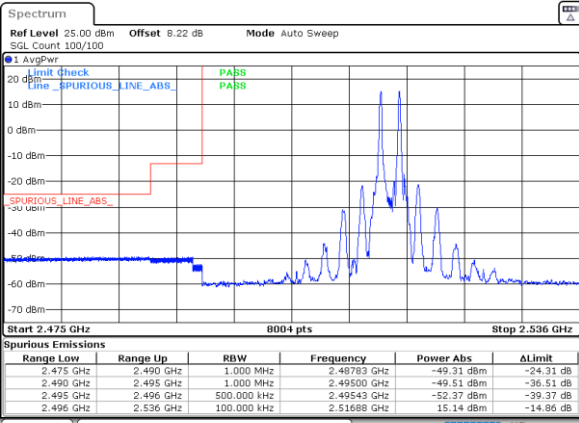
Date: 7,NOV,2022 23:35:49

Highest Band Edge / 1RB0 and 1RB9



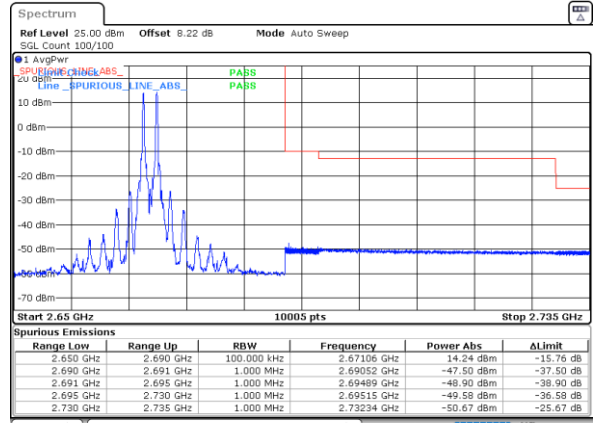
Date: 7,NOV,2022 23:56:46

Lowest Band Edge / 1RB74and 1RB0



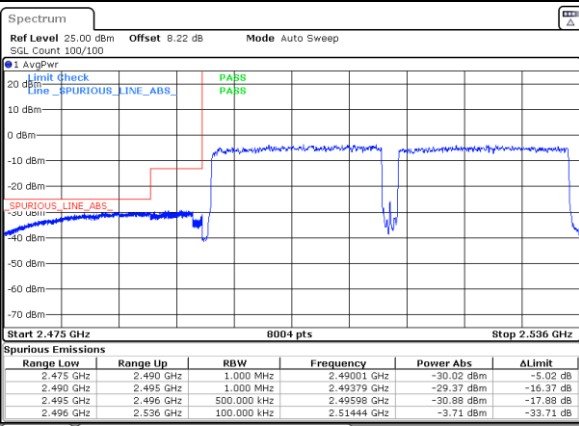
Date: 7,NOV,2022 23:29:53

Highest Band Edge / 1RB74 and 1RB0



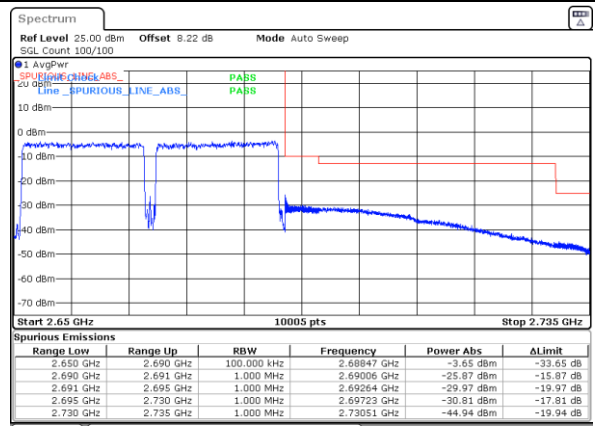
Date: 7,NOV,2022 23:50:49

Lowest Band Edge / Full RB



Date: 7,NOV,2022 23:41:47

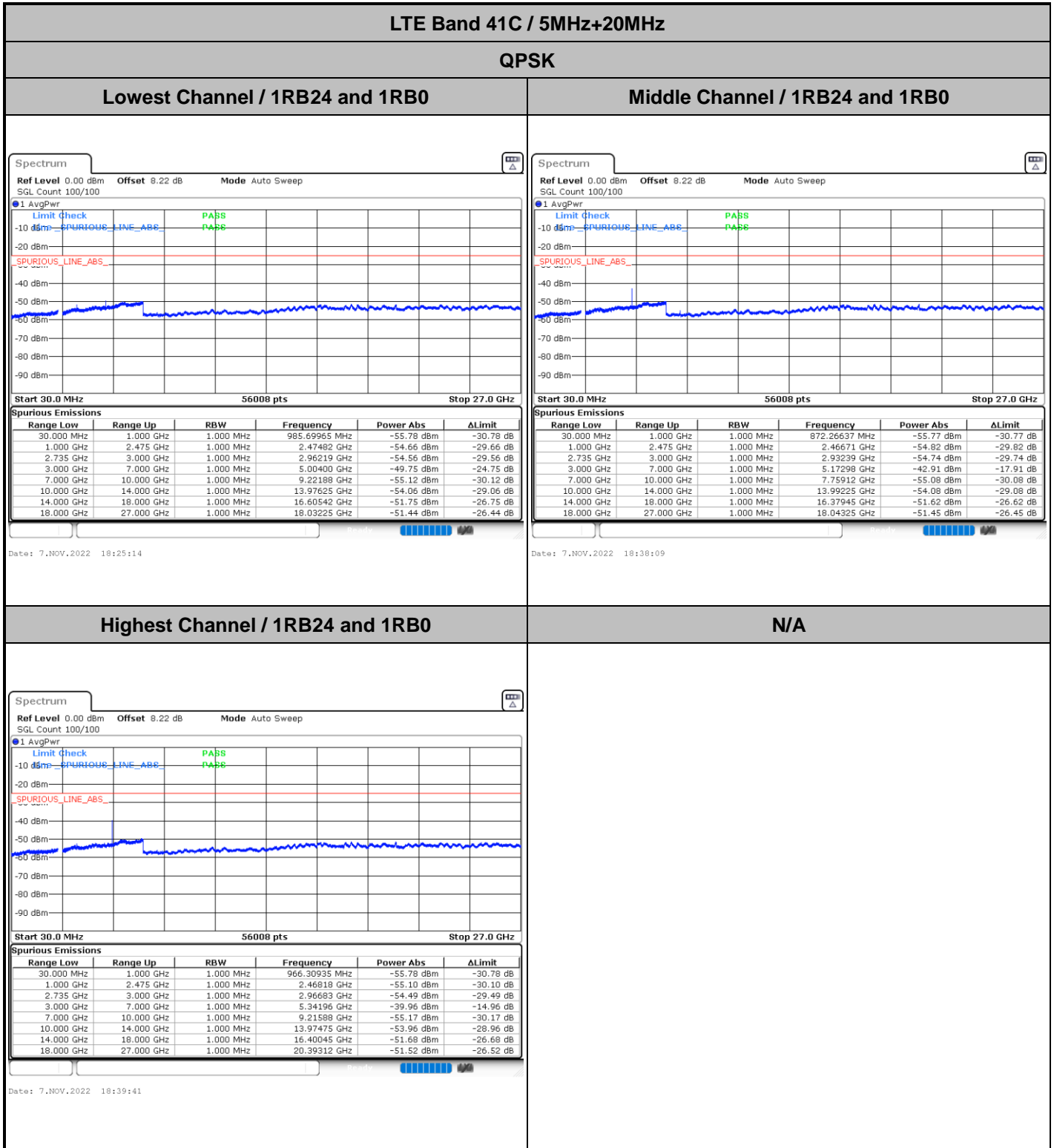
Highest Band Edge / Full RB



Date: 8,NOV,2022 00:02:42



Conducted Spurious Emission



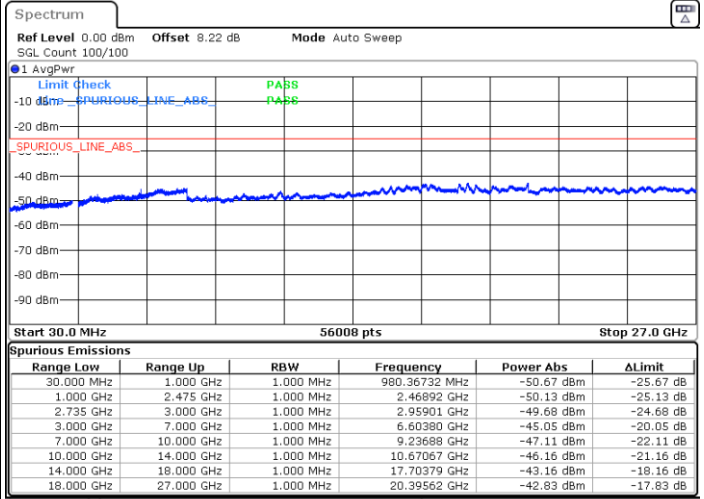
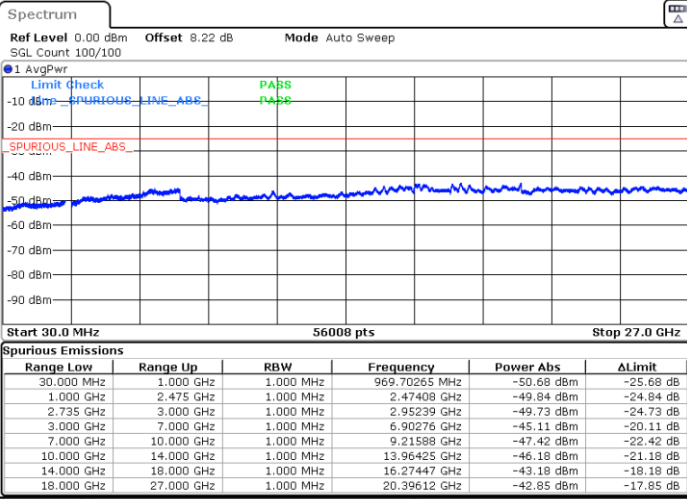


LTE Band 41C / 10MHz+15MHz

QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0

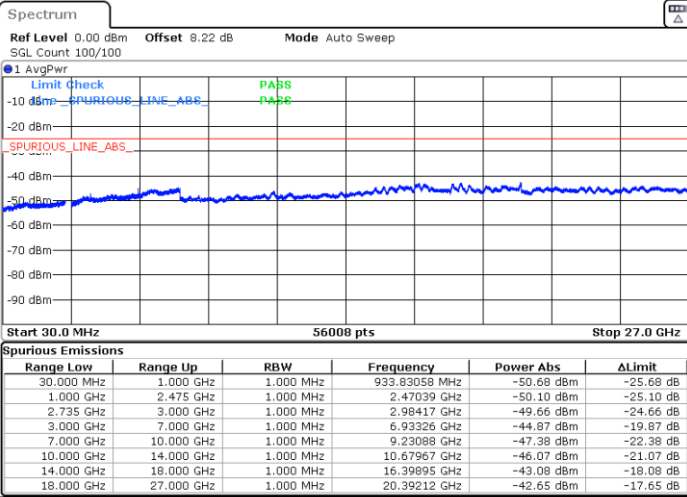


Date: 7.NOV.2022 18:53:22

Date: 7.NOV.2022 19:06:17

Highest Channel / 1RB49and 1RB0

N/A



Date: 7.NOV.2022 19:07:50

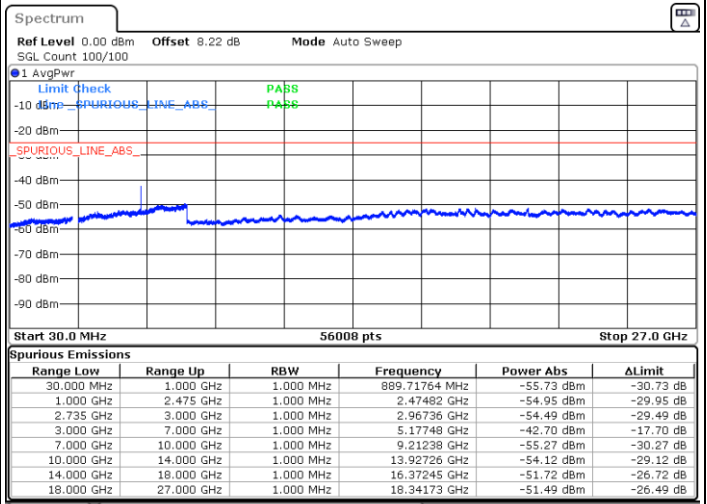
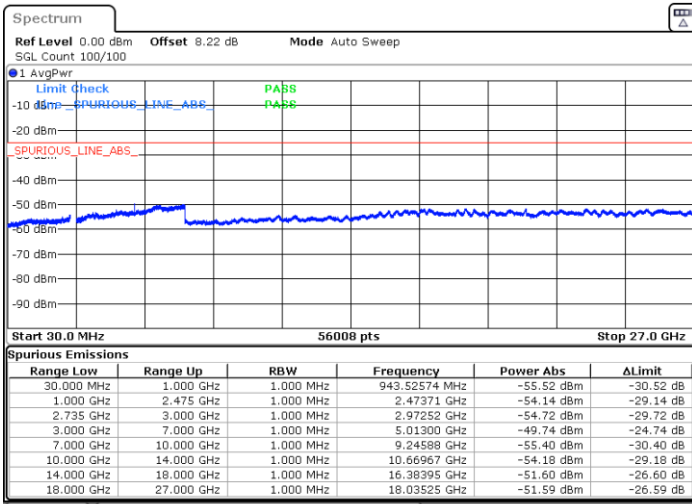


LTE Band 41C / 10MHz+20MHz

QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0

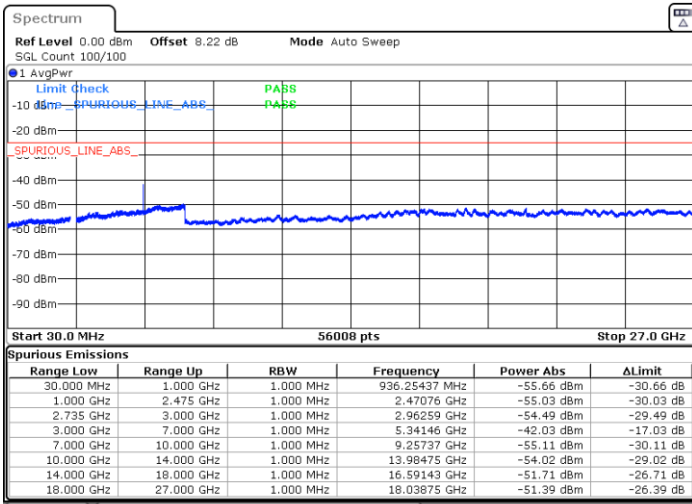


Date: 7.NOV.2022 19:20:56

Date: 7.NOV.2022 19:34:02

Highest Channel / 1RB49and 1RB0

N/A



Date: 7.NOV.2022 19:35:35

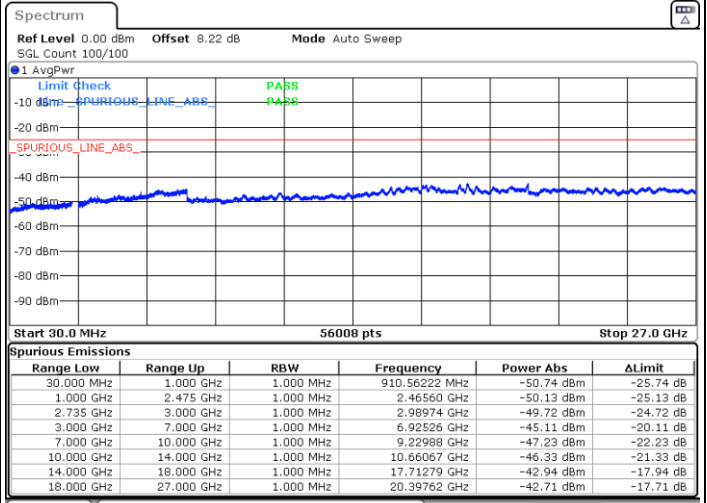
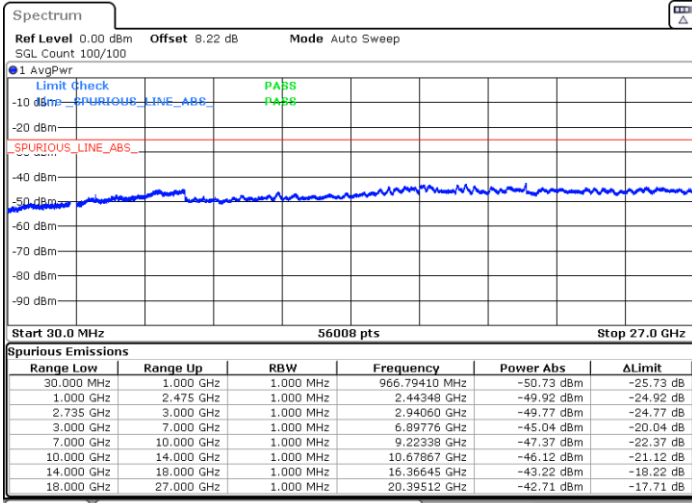


LTE Band 41C / 15MHz+10MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel /1RB74 and 1RB0

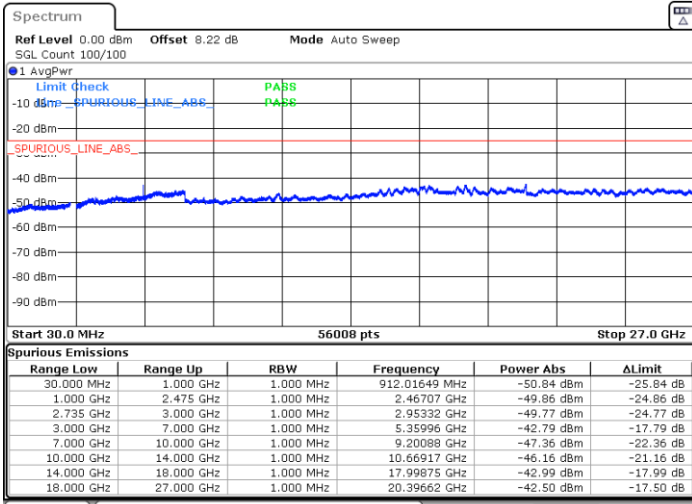


Date: 7.NOV.2022 19:48:57

Date: 7.NOV.2022 20:01:52

Highest Channel 1RB74 and 1RB0

N/A



Date: 7.NOV.2022 20:03:24

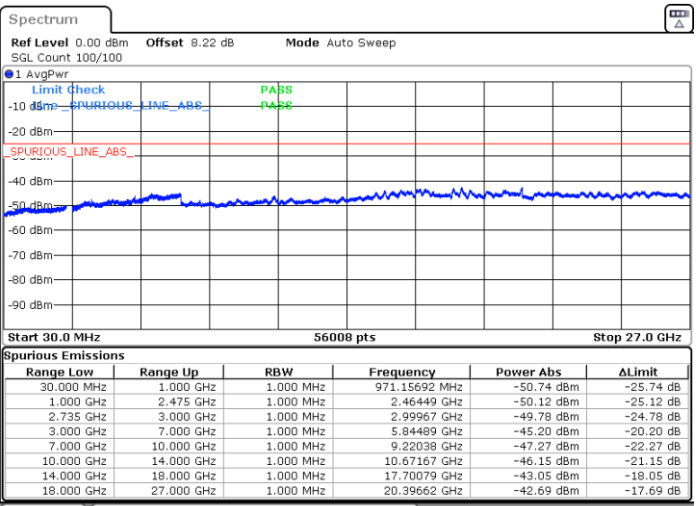
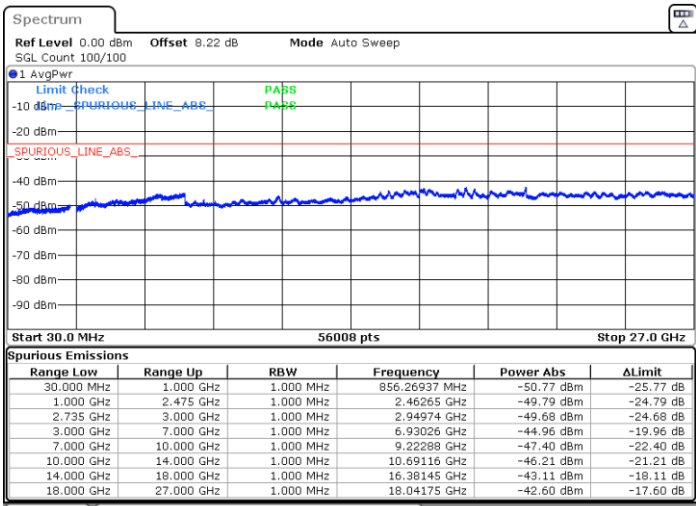


LTE Band 41C / 15MHz+15MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0

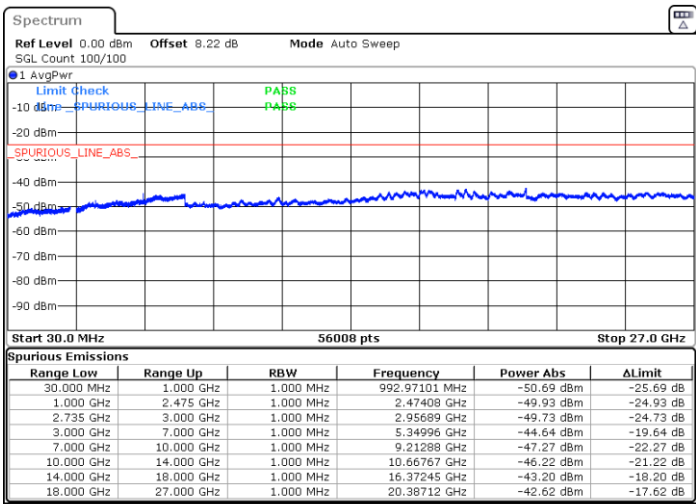


Date: 7.NOV.2022 20:16:31

Date: 7.NOV.2022 20:53:10

Highest Channel / 1RB74and 1RB0

N/A



Date: 7.NOV.2022 20:54:44

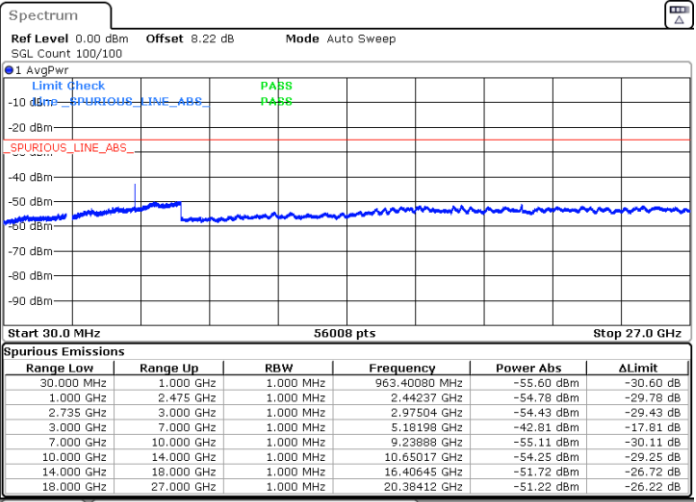
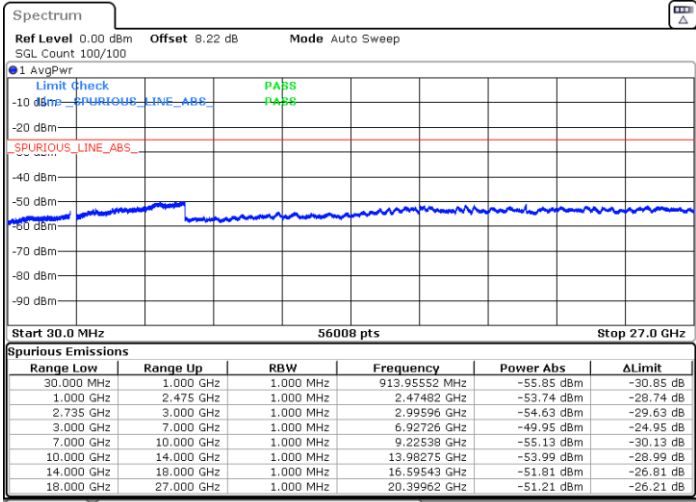


LTE Band 41C / 15MHz+20MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0

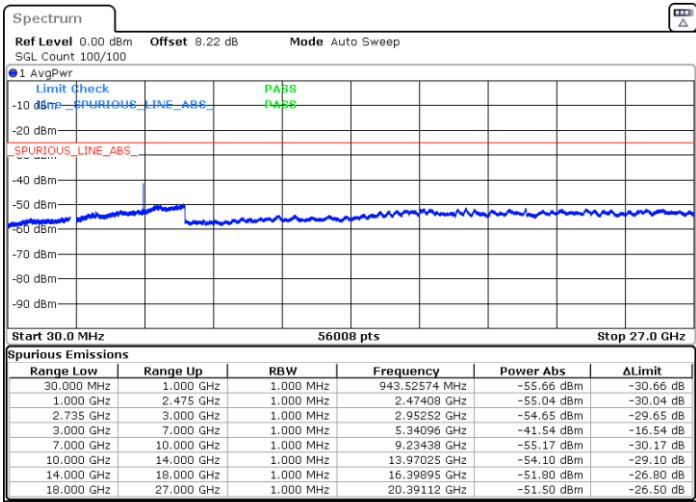


Date: 7.NOV.2022 21:07:56

Date: 7.NOV.2022 21:21:14

Highest Channel / 1RB49and 1RB0

N/A



Date: 7.NOV.2022 21:22:47

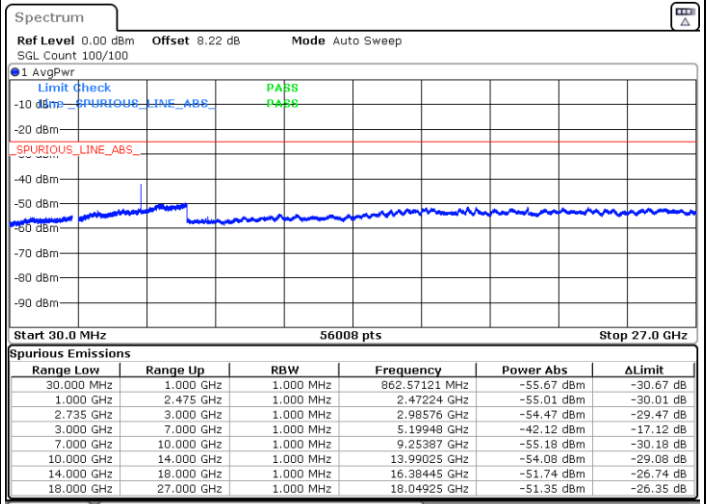
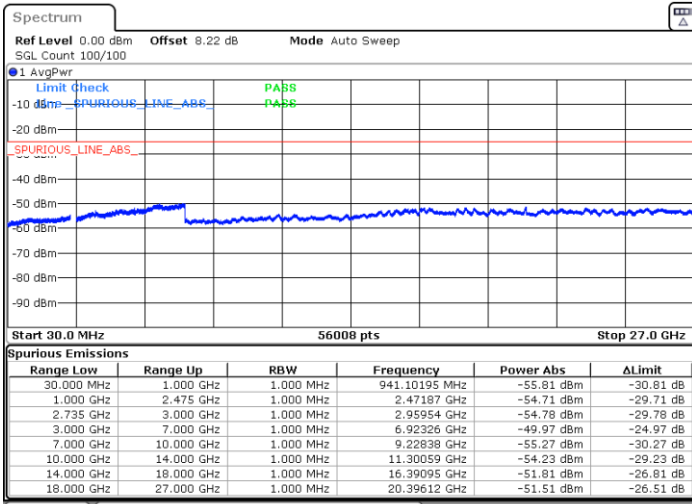


LTE Band 41C / 20MHz+5MHz

QPSK

Lowest Channel / 1RB99and 1RB0

Middle Channel / 1RB99 and 1RB0

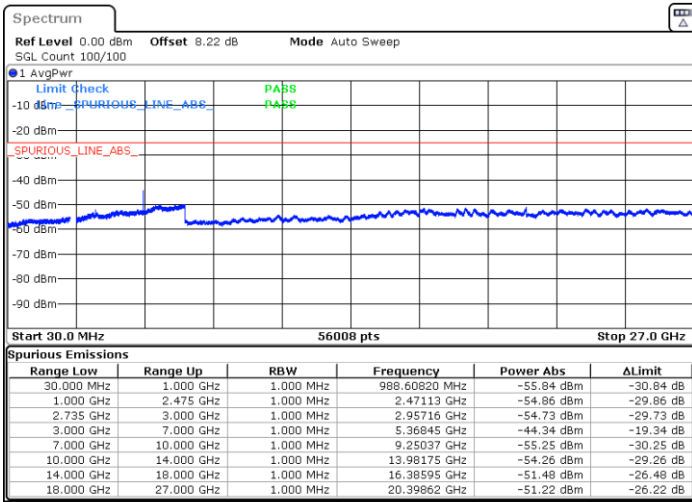


Date: 7.NOV.2022 21:36:31

Date: 7.NOV.2022 21:49:35

Highest Channel / 1RB99and 1RB0

N/A



Date: 7.NOV.2022 21:51:09

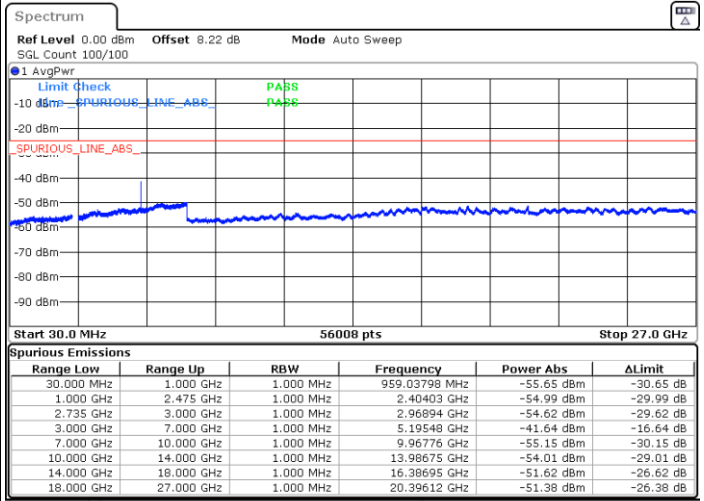
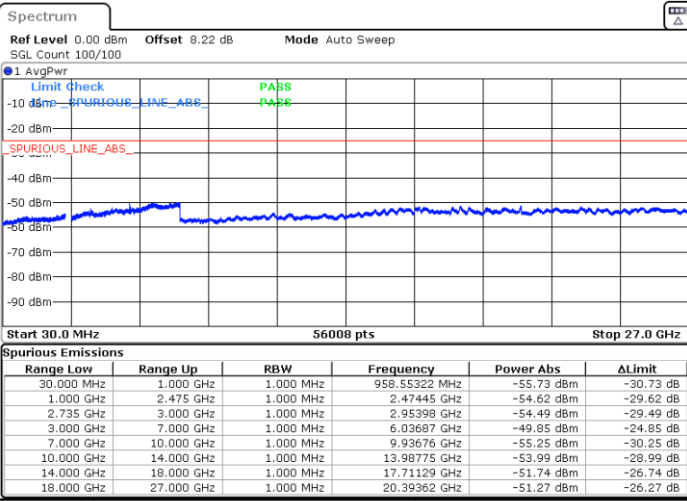


LTE Band 41C / 20MHz+10MHz

QPSK

Lowest Channel / 1RB99and 1RB0

Middle Channel / 1RB99 and 1RB0

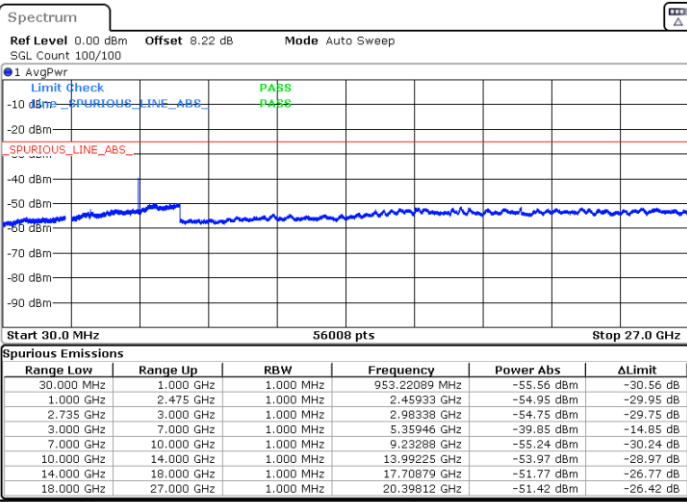


Date: 7.NOV.2022 22:04:26

Date: 7.NOV.2022 22:17:47

Highest Channel / 1RB99and 1RB0

N/A



Date: 7.NOV.2022 22:19:21

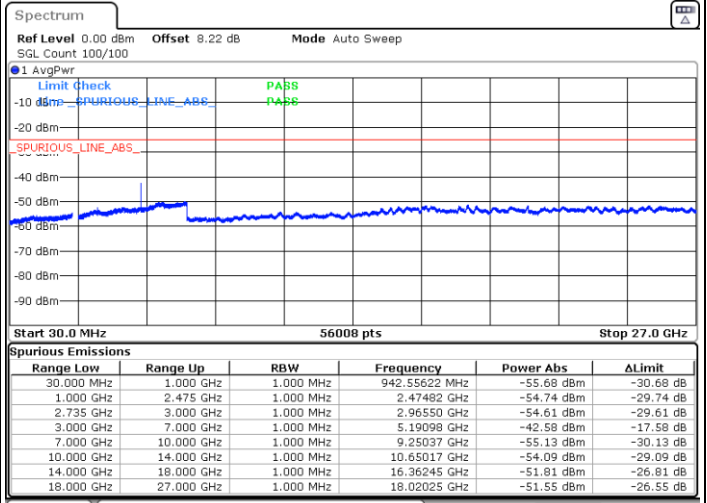
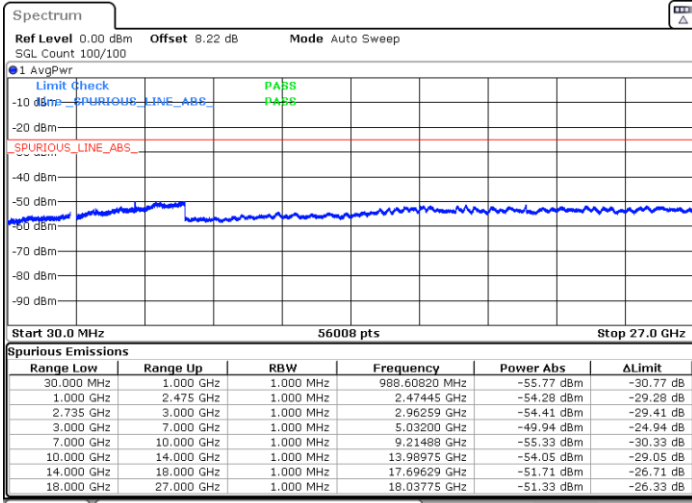


LTE Band 41C / 20MHz+15MHz

QPSK

Lowest Channel / 1RB99and 1RB0

Middle Channel / 1RB99 and 1RB0

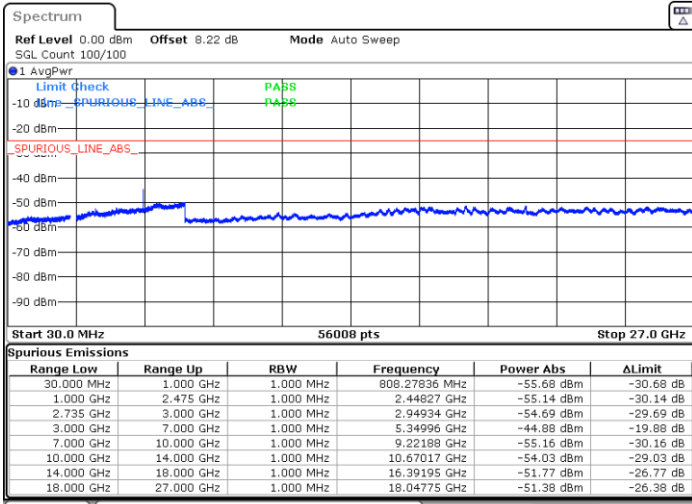


Date: 7.NOV.2022 22:32:41

Date: 7.NOV.2022 22:46:06

Highest Channel / 1RB99and 1RB0

N/A



Date: 7.NOV.2022 22:47:40

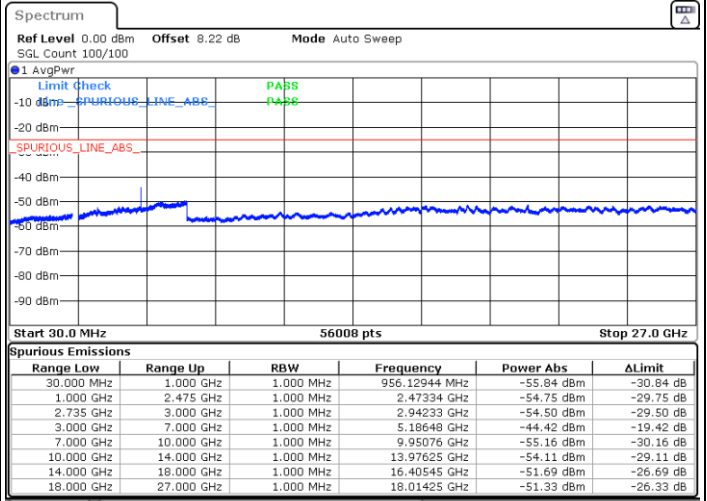
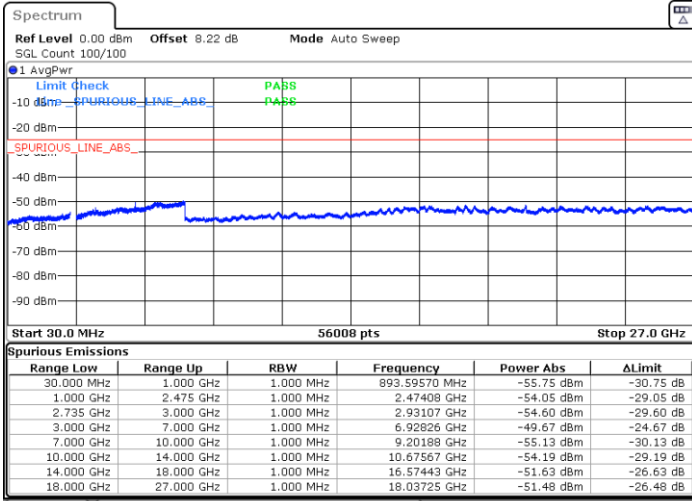


LTE Band 41C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB99and 1RB0

Middle Channel / 1RB99 and 1RB0

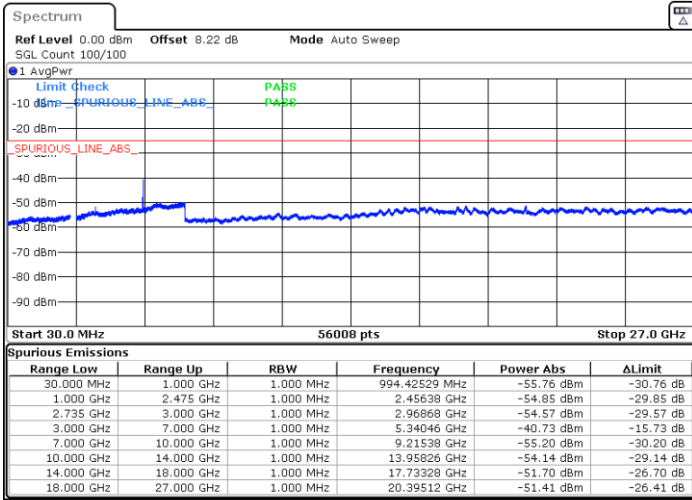


Date: 7.NOV.2022 23:23:57

Date: 7.NOV.2022 23:43:21

Highest Channel / 1RB99and 1RB0

N/A



Date: 7.NOV.2022 23:44:55



Frequency Stability

Test Conditions		LTE Band 41C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0025	

Note:

1. Normal Voltage =3.89 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

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

LTE Band 7 / 20MHz / QPSK (Ant0)								
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	-62.62	-25	-37.62	-72.83	3.03	13.24	H
	7580	-51.14	-25	-26.14	-60.59	3.56	13.01	H
	10100	-61.86	-25	-36.86	-71.38	3.92	13.44	H
	5052	-61.25	-25	-36.25	-71.46	3.03	13.24	V
	7576	-45.46	-25	-20.46	-54.91	3.56	13.01	V
	10100	-61.75	-25	-36.75	-71.27	3.92	13.44	V

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

LTE Band 38 / 20MHz / QPSK (Ant0)								
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	-50.02	-25	-25.02	-60.23	3.03	13.24	H
	7760	-52.31	-25	-27.31	-61.76	3.56	13.01	H
	10340	-61.57	-25	-36.57	-71.09	3.92	13.44	H
	5172	-52.10	-25	-27.10	-62.31	3.03	13.24	V
	7756	-53.02	-25	-28.02	-62.47	3.56	13.01	V
	10340	-61.33	-25	-36.33	-70.85	3.92	13.44	V

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

LTE Band 41 / 20MHz / QPSK (Ant0)								
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	-48.48	-25	-23.48	-58.69	3.03	13.24	H
	7752	-51.81	-25	-26.81	-61.26	3.56	13.01	H
	10342	-61.10	-25	-36.10	-70.62	3.92	13.44	H
	5168	-53.63	-25	-28.63	-63.84	3.03	13.24	V
	7752	-52.17	-25	-27.17	-61.62	3.56	13.01	V
	10340	-61.82	-25	-36.82	-71.34	3.92	13.44	V

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



1RB0:

LTE Band 7C_CA / 20MHz+20MHz / QPSK (ANT0)								
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	5032	-62.62	-25	-37.62	-72.83	3.03	13.24	H
	7548	-58.14	-25	-33.14	-67.59	3.56	13.01	H
	10060	-61.97	-25	-36.97	-71.49	3.92	13.44	H
	5032	-62.23	-25	-37.23	-72.44	3.03	13.24	V
	7548	-55.18	-25	-30.18	-64.63	3.56	13.01	V
	10060	-61.79	-25	-36.79	-71.31	3.92	13.44	V

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

1RBMAX:

LTE Band 7C_CA / 20MHz+20MHz / QPSK (ANT0)								
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	5072	-64.20	-25	-39.20	-74.41	3.03	13.24	H
	7608	-62.46	-25	-37.46	-71.91	3.56	13.01	H
	10140	-61.81	-25	-36.81	-71.33	3.92	13.44	H
	5072	-64.13	-25	-39.13	-74.34	3.03	13.24	V
	7608	-61.98	-25	-36.98	-71.43	3.56	13.01	V
	10140	-61.62	-25	-36.62	-71.14	3.92	13.44	V

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

1RB0:

LTE Band 38C_CA / 20MHz+20MHz / QPSK (ANT0)								
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	5152	-63.01	-25	-38.01	-73.22	3.03	13.24	H
	7728	-62.58	-25	-37.58	-72.03	3.56	13.01	H
	10300	-60.90	-25	-35.90	-70.42	3.92	13.44	H
	5152	-63.47	-25	-38.47	-73.68	3.03	13.24	V
	7728	-59.38	-25	-34.38	-68.83	3.56	13.01	V
	10300	-62.18	-25	-37.18	-71.70	3.92	13.44	V

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

1RBMAX:

LTE Band 38C_CA / 20MHz+20MHz / QPSK (ANT0)								
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	5188	-63.86	-25	-38.86	-74.07	3.03	13.24	H
	7784	-62.48	-25	-37.48	-71.93	3.56	13.01	H
	10380	-61.62	-25	-36.62	-71.14	3.92	13.44	H
	5188	-64.06	-25	-39.06	-74.27	3.03	13.24	V
	7784	-62.60	-25	-37.60	-72.05	3.56	13.01	V
	10380	-61.42	-25	-36.42	-70.94	3.92	13.44	V

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



1RB0:

LTE Band 41C_CA / 20MHz+20MHz / QPSK (ANT0)								
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	-58.20	-25	-33.20	-68.41	3.03	13.24	H
	7720	-61.60	-25	-36.60	-71.05	3.56	13.01	H
	10300	-61.83	-25	-36.83	-71.35	3.92	13.44	H
	5148	-60.62	-25	-35.62	-70.83	3.03	13.24	V
	7720	-62.04	-25	-37.04	-71.49	3.56	13.01	V
	10300	-62.54	-25	-37.54	-72.06	3.92	13.44	V

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

1RBMAX:

LTE Band 41C_CA / 20MHz+20MHz / QPSK (ANT0)								
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	5188	-60.93	-25	-35.93	-71.14	3.03	13.24	H
	7780	-62.25	-25	-37.25	-71.70	3.56	13.01	H
	10380	-61.54	-25	-36.54	-71.06	3.92	13.44	H
	5188	-63.60	-25	-38.60	-73.81	3.03	13.24	V
	7780	-62.14	-25	-37.14	-71.59	3.56	13.01	V
	10380	-62.44	-25	-37.44	-71.96	3.92	13.44	V

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