

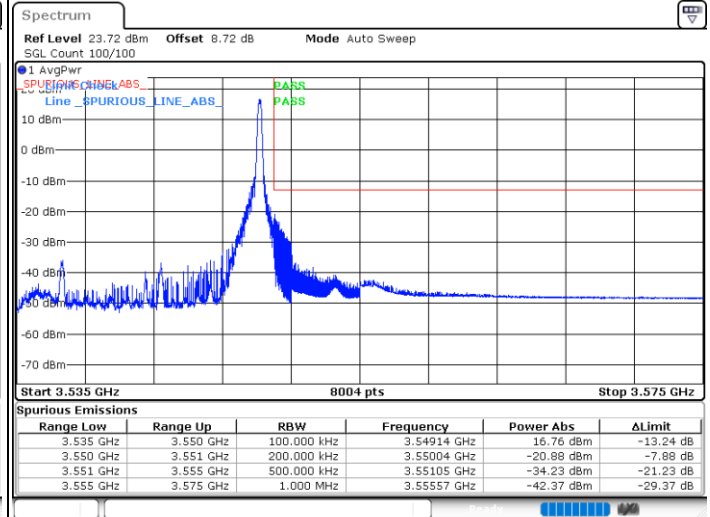
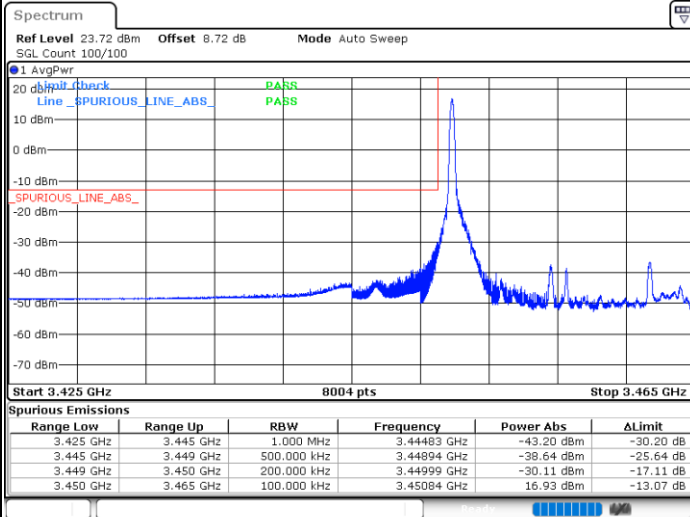


LTE Band 42 / 15MHz

256QAM

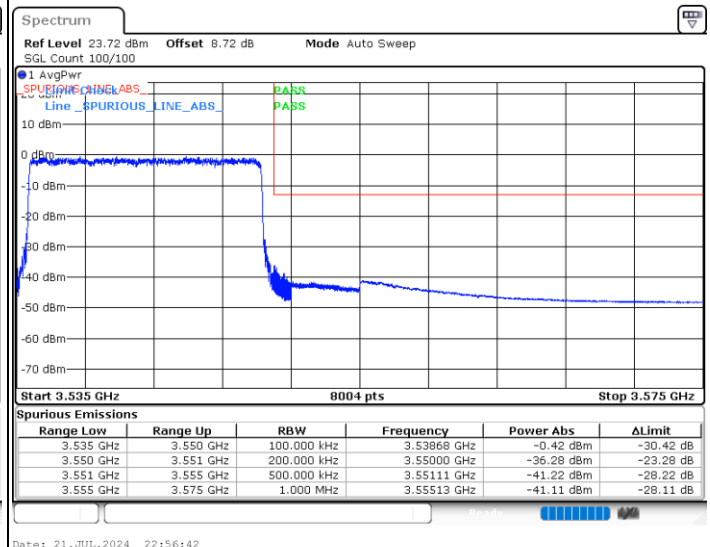
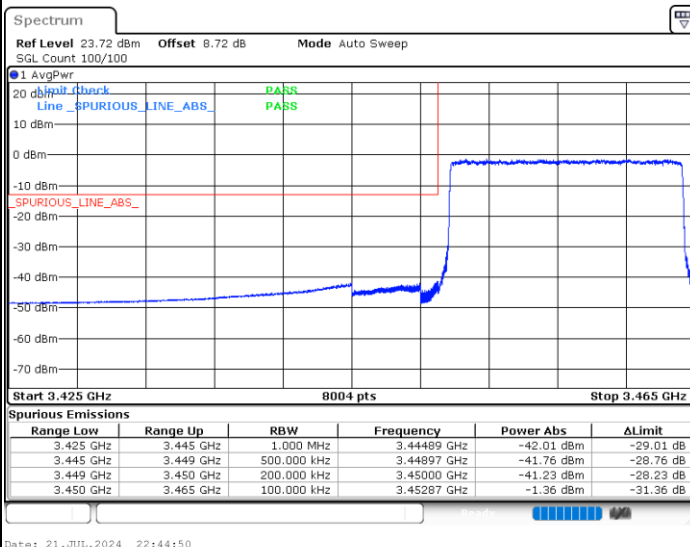
Lowest Channel / 1RB0

Highest Channel / 1RBmax



Lowest Channel / FullRB

Highest Channel / FullRB



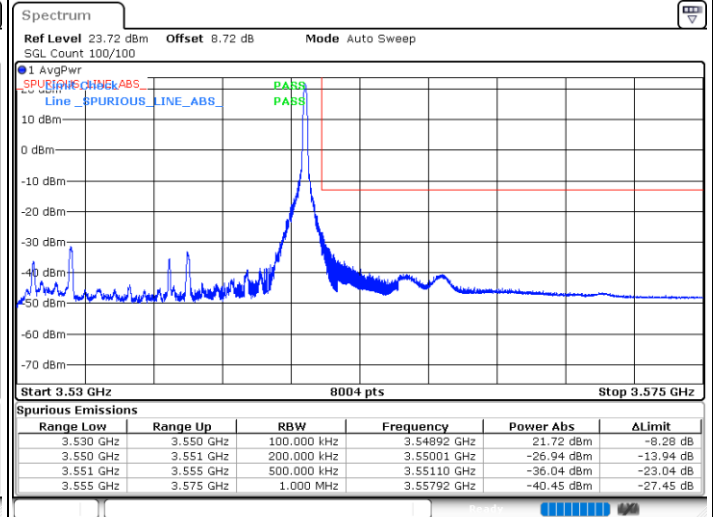
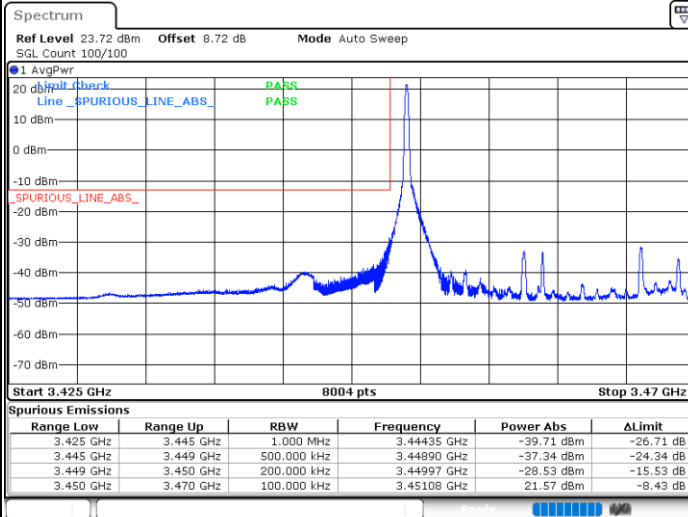


LTE Band 42 / 20MHz

QPSK

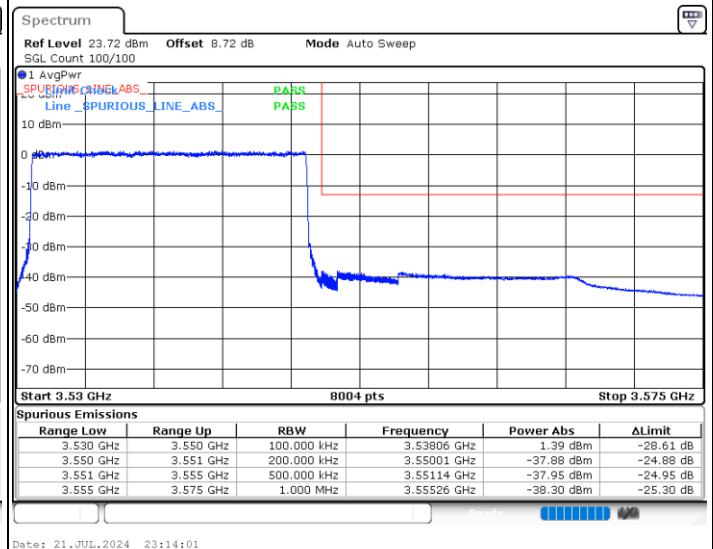
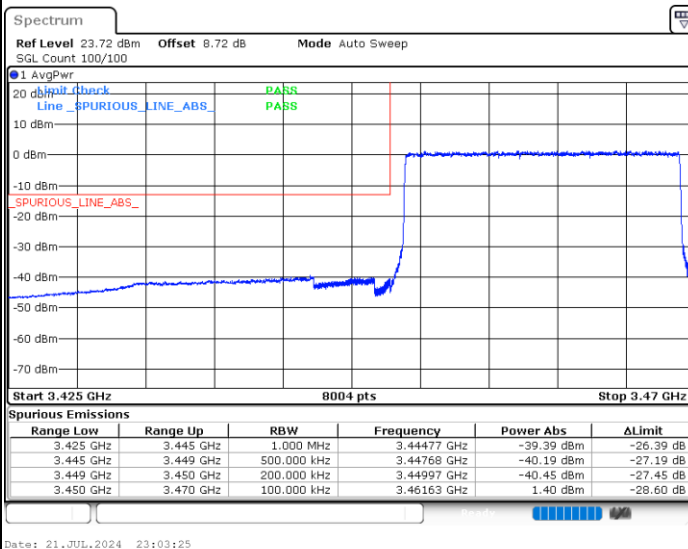
Lowest Channel / 1RB0

Highest Channel / 1RBmax



Lowest Channel / FullRB

Highest Channel / FullRB

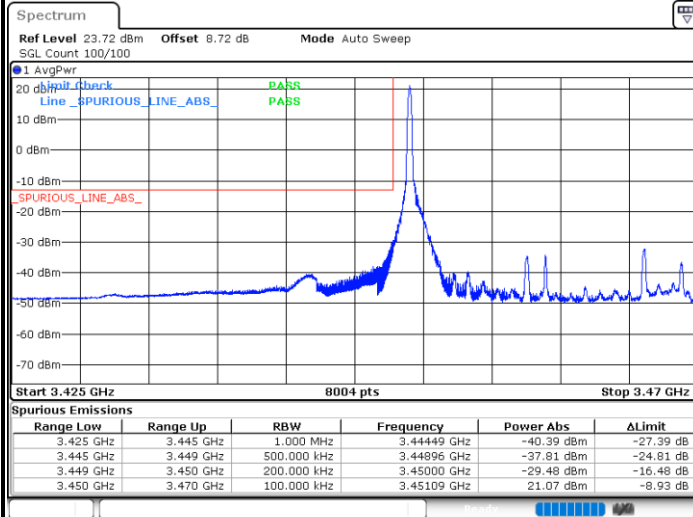




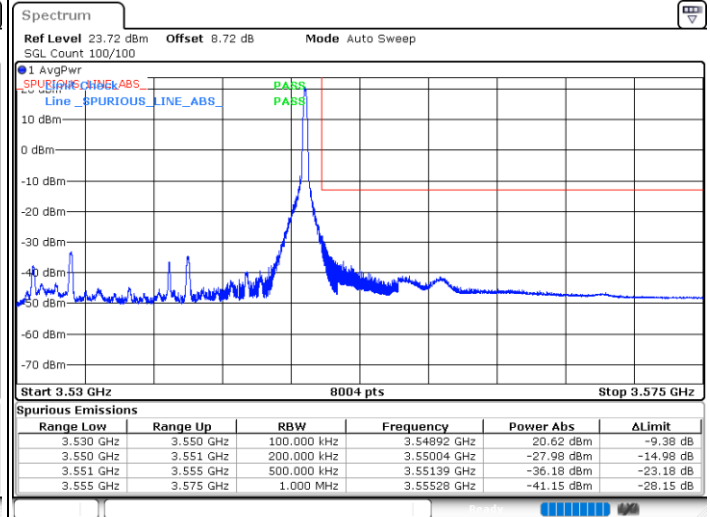
LTE Band 42 / 20MHz

16QAM

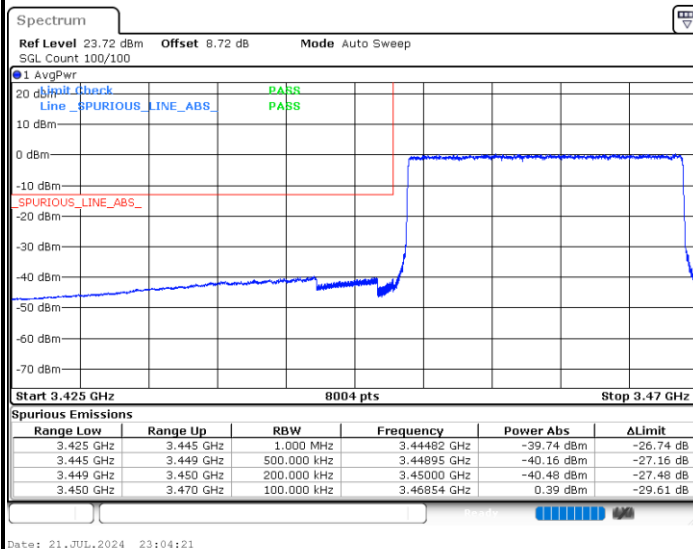
Lowest Channel / 1RB0



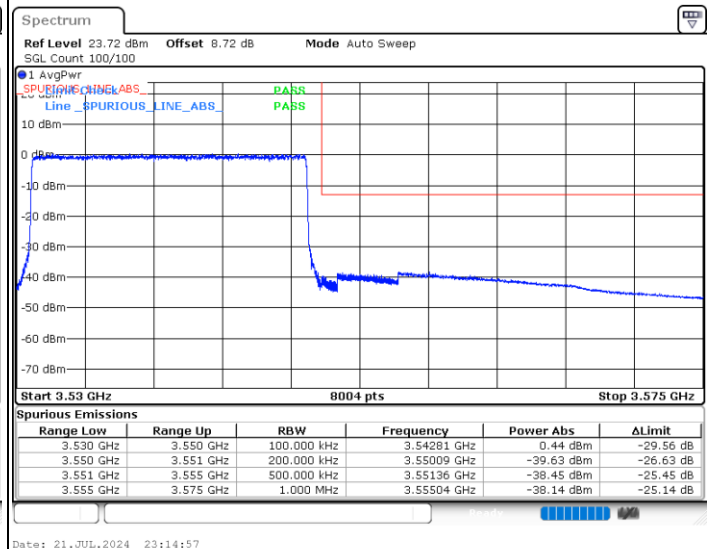
Highest Channel / 1RBmax



Lowest Channel / FullRB



Highest Channel / FullRB



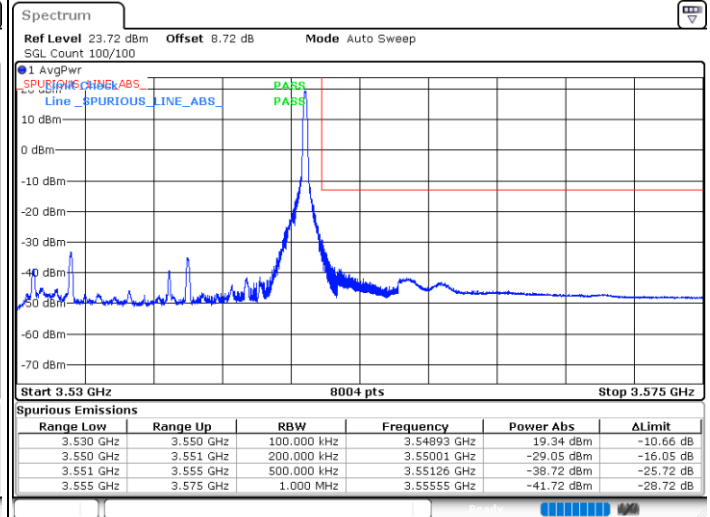
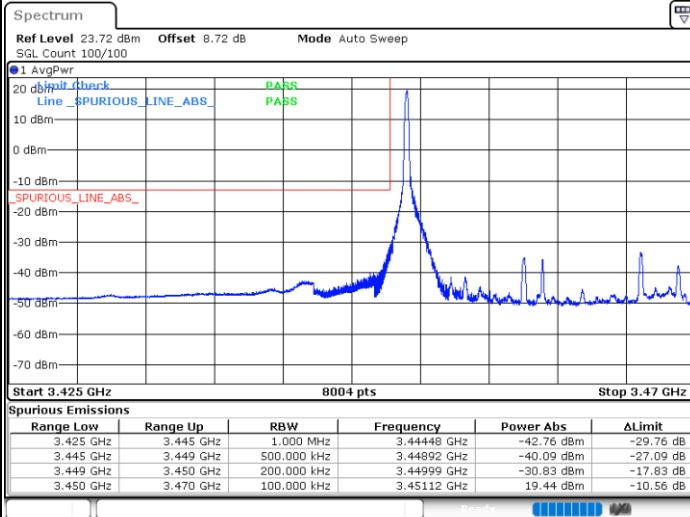


LTE Band 42 / 20MHz

64QAM

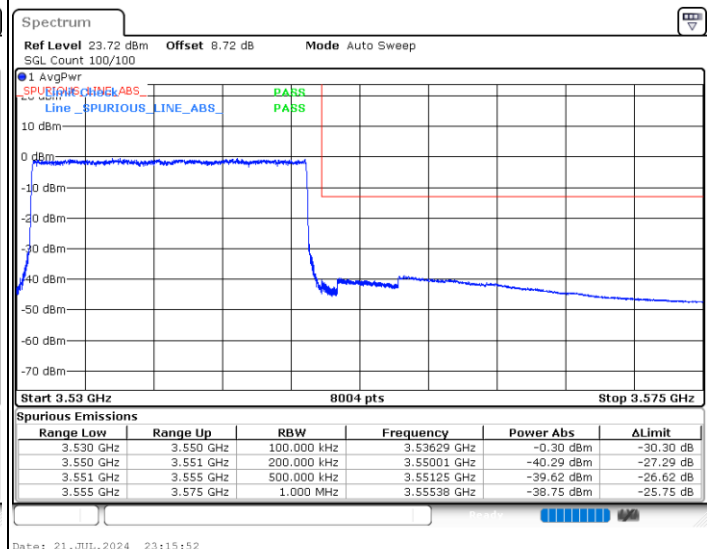
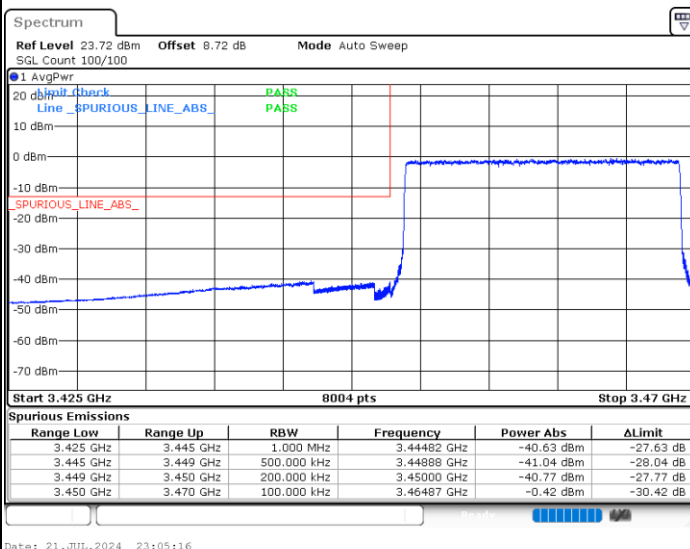
Lowest Channel / 1RB0

Highest Channel / 1RBmax



Lowest Channel / FullRB

Highest Channel / FullRB



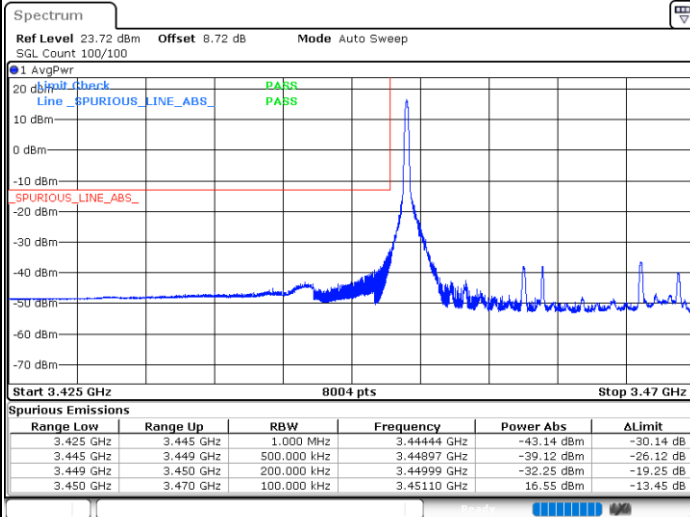


LTE Band 42 / 20MHz

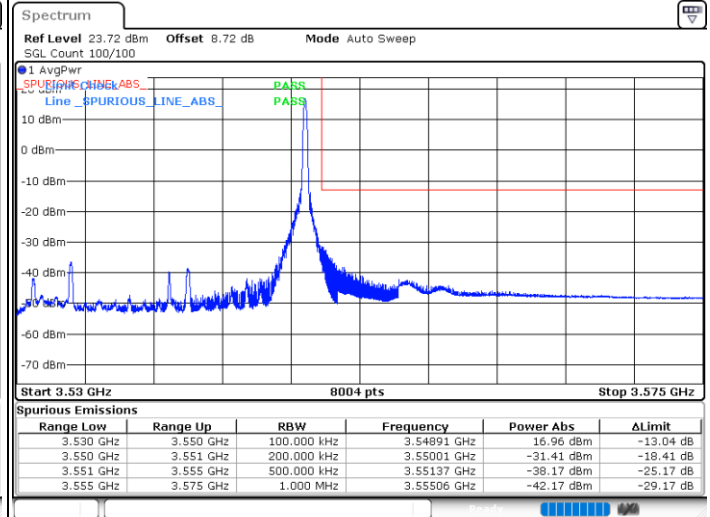
256QAM

Lowest Channel / 1RB0

Highest Channel / 1RBmax



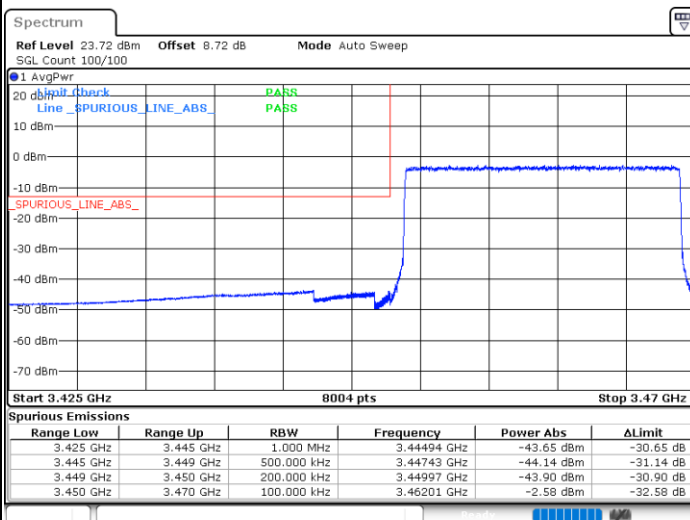
Date: 21.JUL.2024 23:02:29



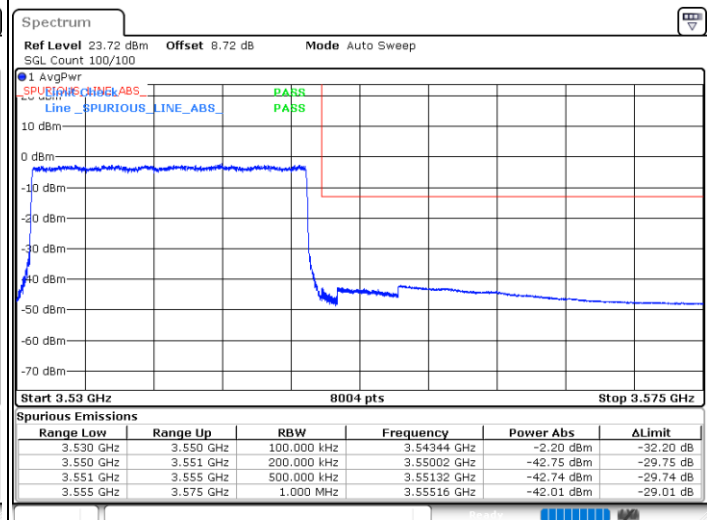
Date: 21.JUL.2024 23:13:05

Lowest Channel / FullRB

Highest Channel / FullRB



Date: 21.JUL.2024 23:06:12



Date: 21.JUL.2024 23:16:48



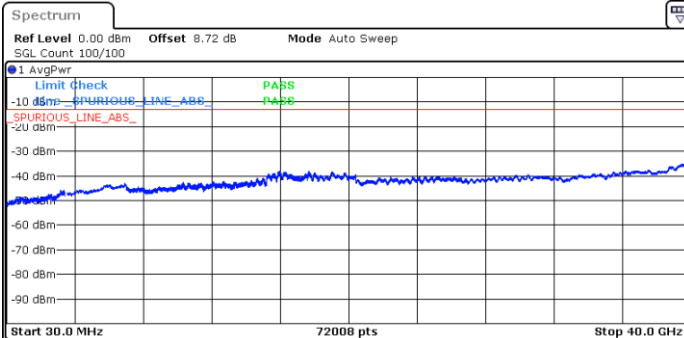
Conducted Spurious Emission

LTE Band 42/ 5MHz

QPSK / 1RB0

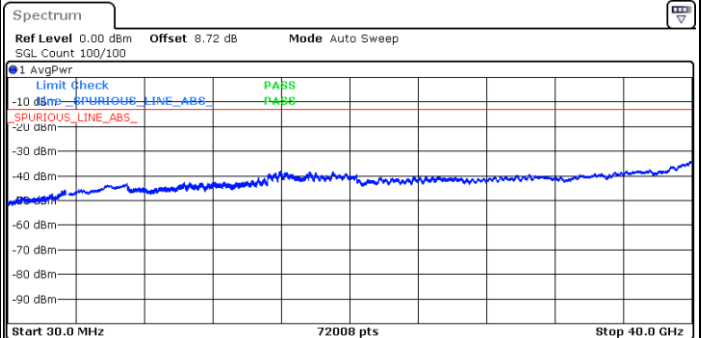
Lowest Channel

Middle Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.74525 MHz	-48.72 dBm	-35.72 dB
1.000 GHz	3.425 GHz	1.000 MHz	3.19196 GHz	-45.69 dBm	-32.69 dB
3.575 GHz	7.000 GHz	1.000 MHz	6.90249 GHz	-42.79 dBm	-29.79 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.97094 GHz	-44.25 dBm	-31.25 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99788 GHz	-42.18 dBm	-29.18 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.99571 GHz	-38.08 dBm	-25.08 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.03972 GHz	-38.42 dBm	-25.42 dB
27.000 GHz	40.000 GHz	1.000 MHz	39.88680 GHz	-34.09 dBm	-21.09 dB

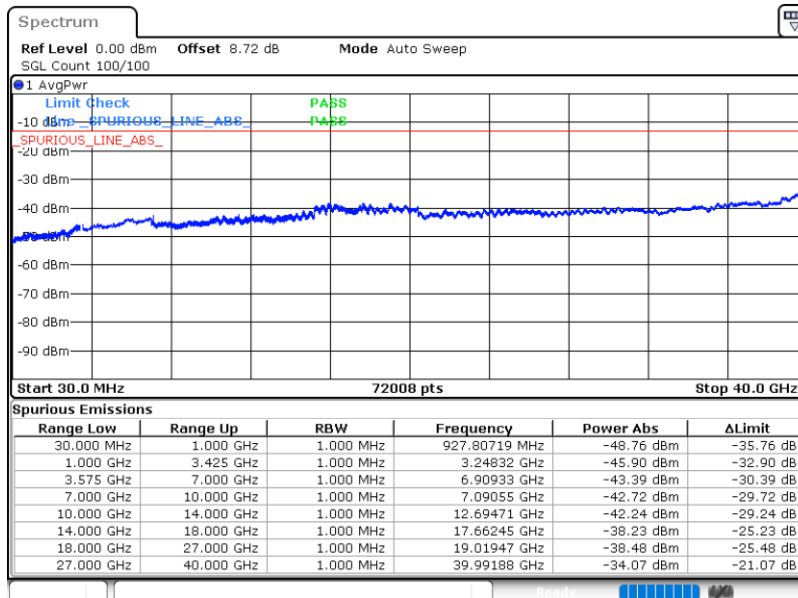
Date: 21.JUL.2024 21:53:02



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.57742 MHz	-48.62 dBm	-35.62 dB
1.000 GHz	3.425 GHz	1.000 MHz	3.36772 GHz	-45.67 dBm	-32.67 dB
3.575 GHz	7.000 GHz	1.000 MHz	6.99487 GHz	-42.90 dBm	-29.90 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96644 GHz	-44.21 dBm	-31.21 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98038 GHz	-42.30 dBm	-29.30 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.97629 GHz	-38.13 dBm	-25.13 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.03859 GHz	-38.34 dBm	-25.34 dB
27.000 GHz	40.000 GHz	1.000 MHz	39.89113 GHz	-34.00 dBm	-21.00 dB

Date: 21.JUL.2024 22:01:47

Highest Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	927.80719 MHz	-48.76 dBm	-35.76 dB
1.000 GHz	3.425 GHz	1.000 MHz	3.24832 GHz	-45.90 dBm	-32.90 dB
3.575 GHz	7.000 GHz	1.000 MHz	6.90933 GHz	-43.39 dBm	-30.39 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.09055 GHz	-42.72 dBm	-29.72 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.69471 GHz	-42.24 dBm	-29.24 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.66245 GHz	-38.23 dBm	-25.23 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.01947 GHz	-38.48 dBm	-25.48 dB
27.000 GHz	40.000 GHz	1.000 MHz	39.99188 GHz	-34.07 dBm	-21.07 dB

Date: 21.JUL.2024 22:04:36

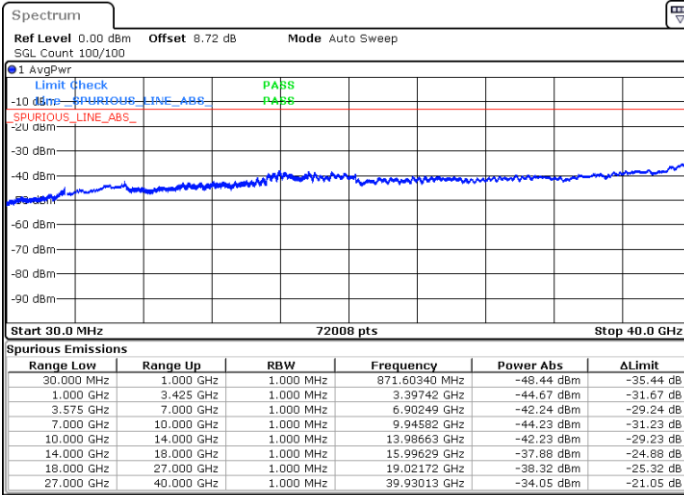


LTE Band 42/ 10MHz

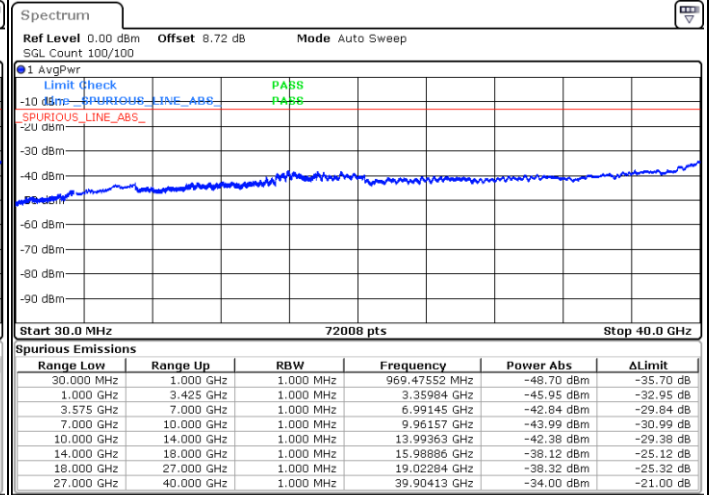
QPSK / 1RB0

Lowest Channel

Middle Channel

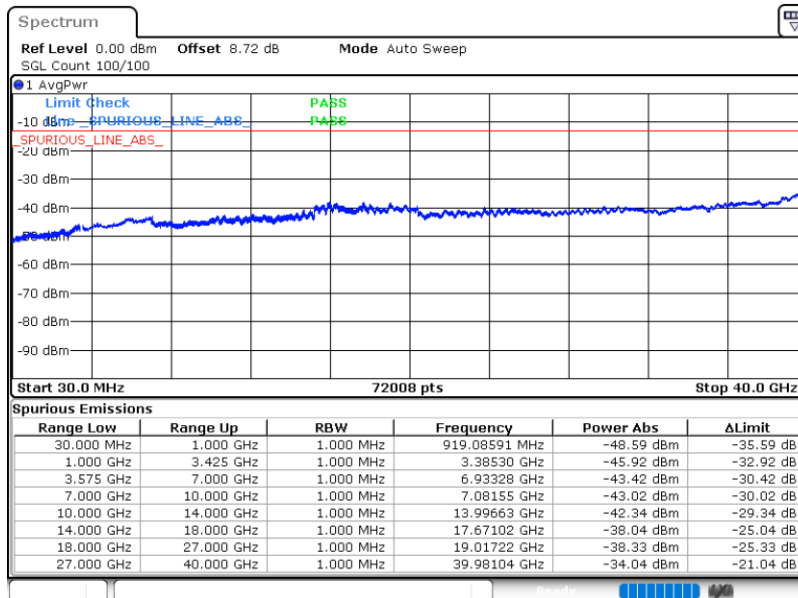


Date: 21.JUL.2024 22:14:26



Date: 21.JUL.2024 22:23:13

Highest Channel



Date: 21.JUL.2024 22:26:03

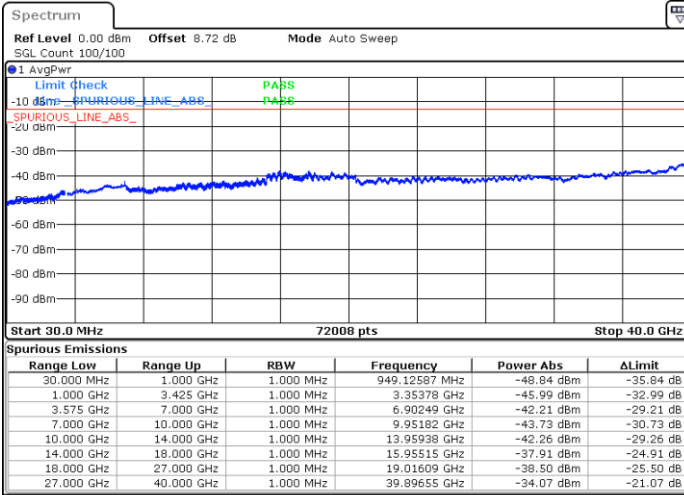


LTE Band 42/ 15MHz

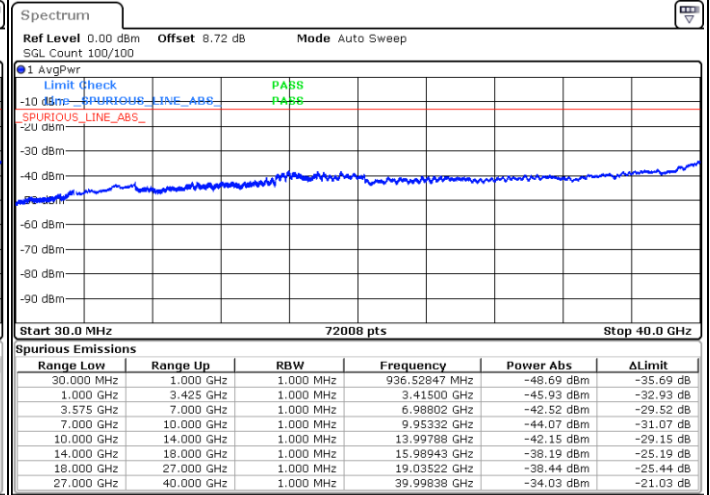
QPSK / 1RB0

Lowest Channel

Middle Channel

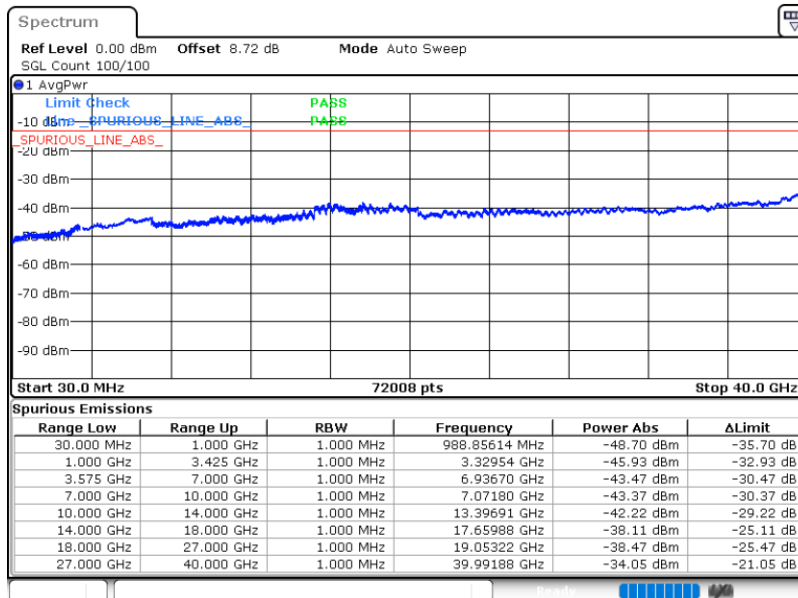


Date: 21.JUL.2024 22:37:32



Date: 21.JUL.2024 22:46:20

Highest Channel



Date: 21.JUL.2024 22:49:09

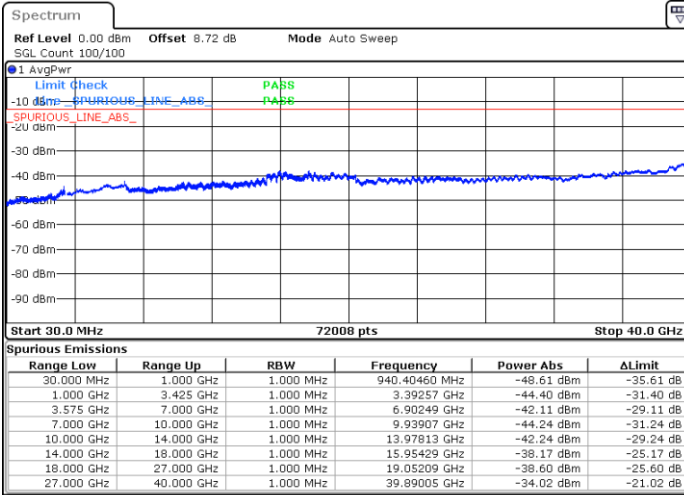


LTE Band 42/ 20MHz

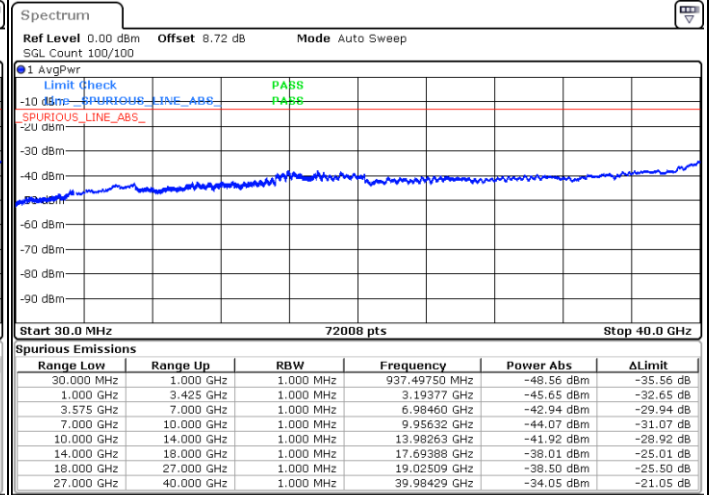
QPSK / 1RB0

Lowest Channel

Middle Channel

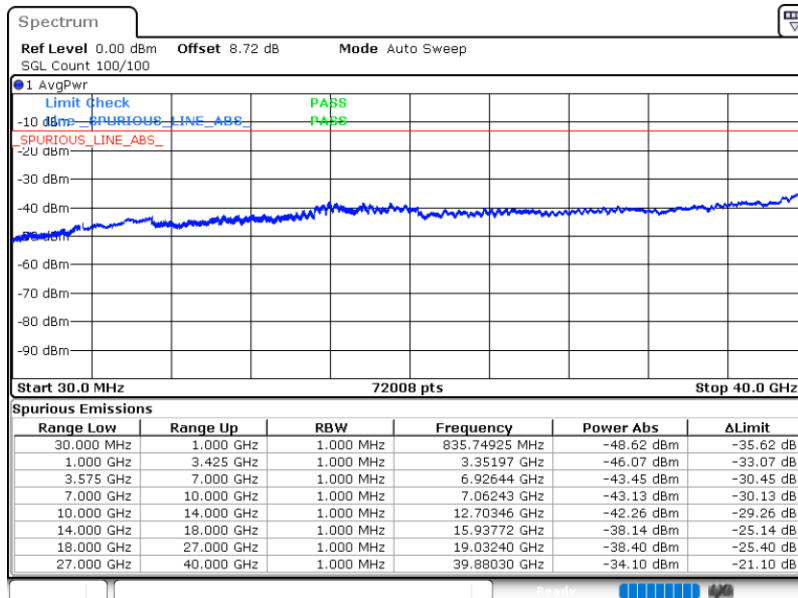


Date: 21.JUL.2024 22:58:55



Date: 21.JUL.2024 23:07:42

Highest Channel



Date: 21.JUL.2024 23:09:12

Frequency Stability

Test Conditions		LTE Band 42 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0032	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0027	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage =3.91V ; Battery End Point (BEP) =3.6V ; Maximum Voltage =4.3V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to perform final test and record in the report.

LTE Band 42 / 20MHz / QPSK / 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	6984	-55.93	-13	-42.93	-66.14	3.03	13.24	H
	10476	-46.12	-13	-33.12	-55.57	3.56	13.01	H
	13968	-55.14	-13	-42.14	-64.66	3.92	13.44	H
	6984	-61.38	-13	-48.38	-71.59	3.03	13.24	V
	10476	-52.17	-13	-39.17	-61.62	3.56	13.01	V
	13968	-59.63	-13	-46.63	-69.15	3.92	13.44	V

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