

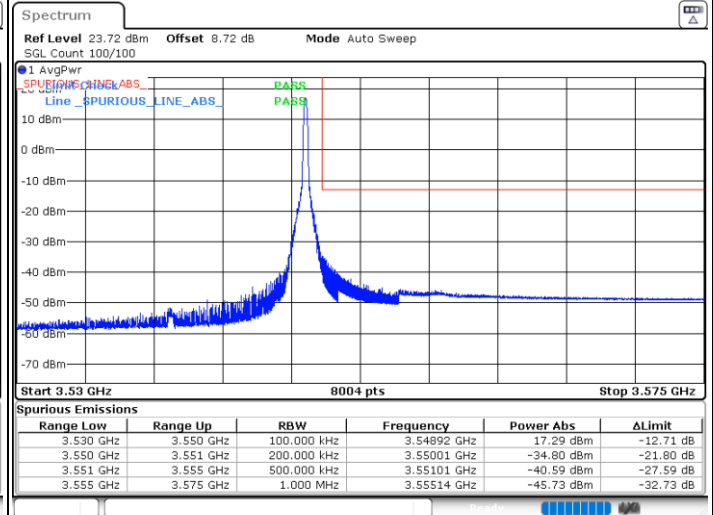
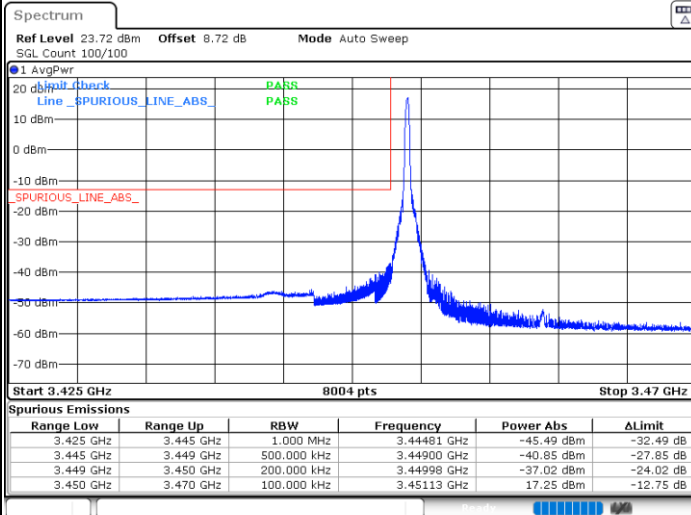


LTE Band 42 / 20MHz

64QAM

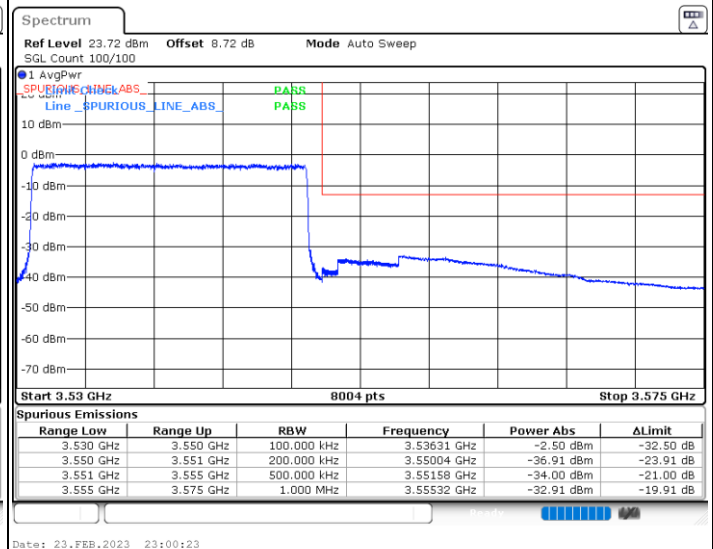
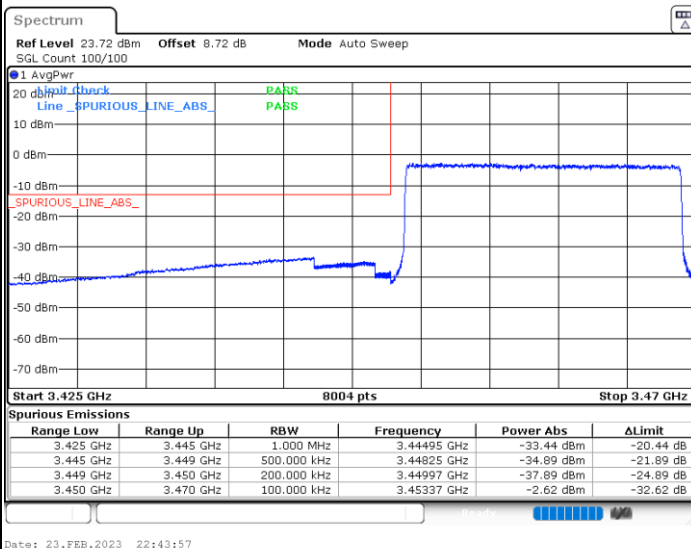
Lowest Channel / 1RB0

Highest Channel / 1RBmax



Lowest Channel / FullRB

Highest Channel / FullRB



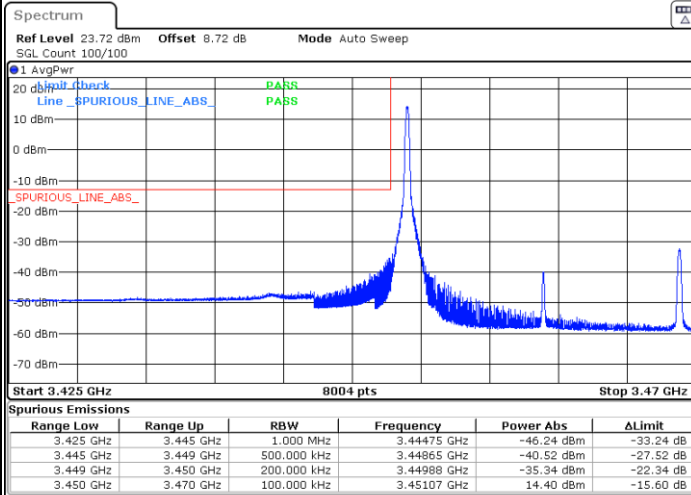


LTE Band 42 / 20MHz

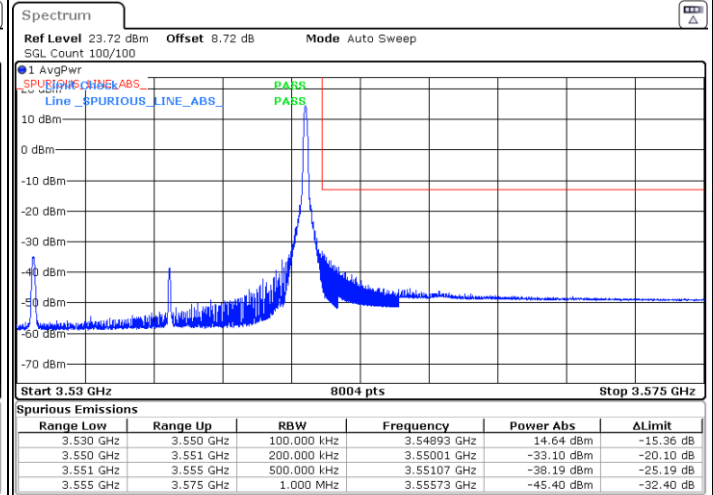
256QAM

Lowest Channel / 1RB0

Highest Channel / 1RBmax



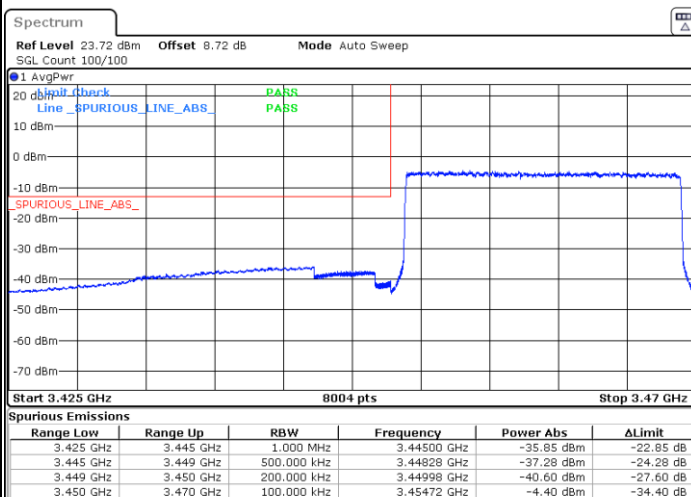
Date: 23.FEB.2023 22:49:04



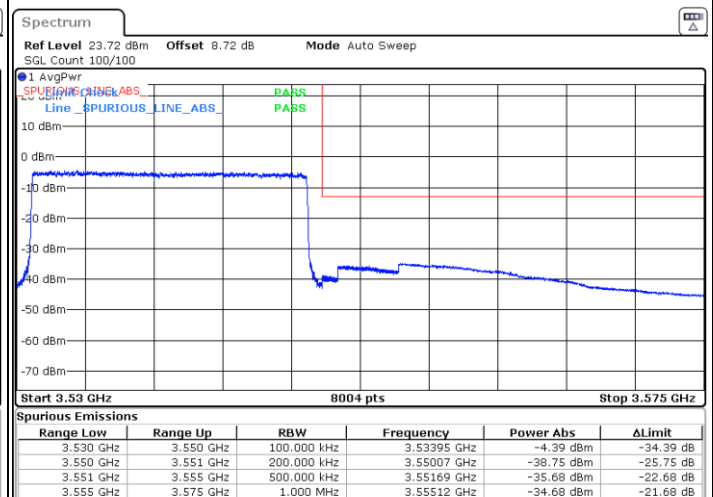
Date: 23.FEB.2023 22:57:17

Lowest Channel / FullRB

Highest Channel / FullRB



Date: 23.FEB.2023 22:44:58



Date: 23.FEB.2023 23:01:23



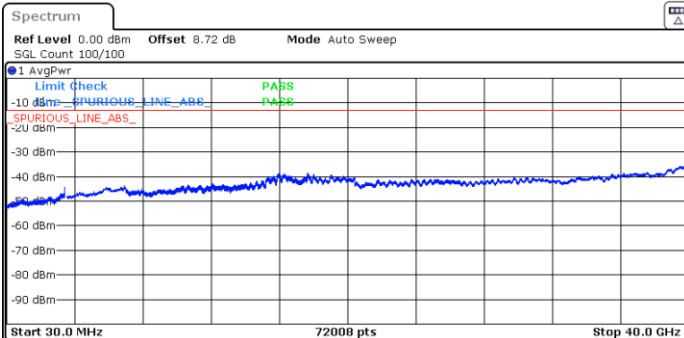
Conducted Spurious Emission

LTE Band 42/ 5MHz

QPSK / 1RB0

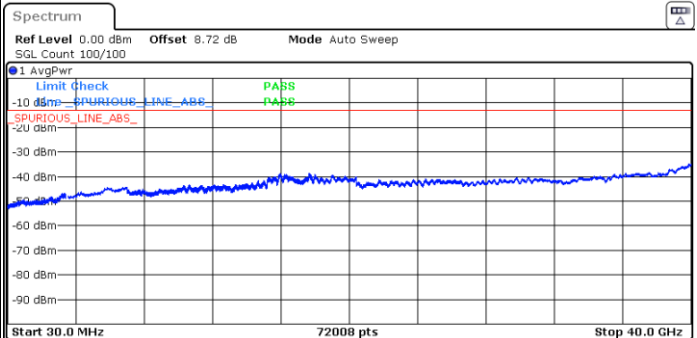
Lowest Channel

Middle Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	963.66134 MHz	-49.40 dBm	-36.40 dB
1.000 GHz	3.425 GHz	1.000 MHz	3.42288 GHz	-44.42 dBm	-31.42 dB
3.575 GHz	7.000 GHz	1.000 MHz	6.90249 GHz	-43.82 dBm	-30.82 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98256 GHz	-44.86 dBm	-31.86 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98713 GHz	-43.08 dBm	-30.08 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.66617 GHz	-38.70 dBm	-25.70 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00591 GHz	-39.14 dBm	-26.14 dB
27.000 GHz	40.000 GHz	1.000 MHz	39.92038 GHz	-34.78 dBm	-21.78 dB

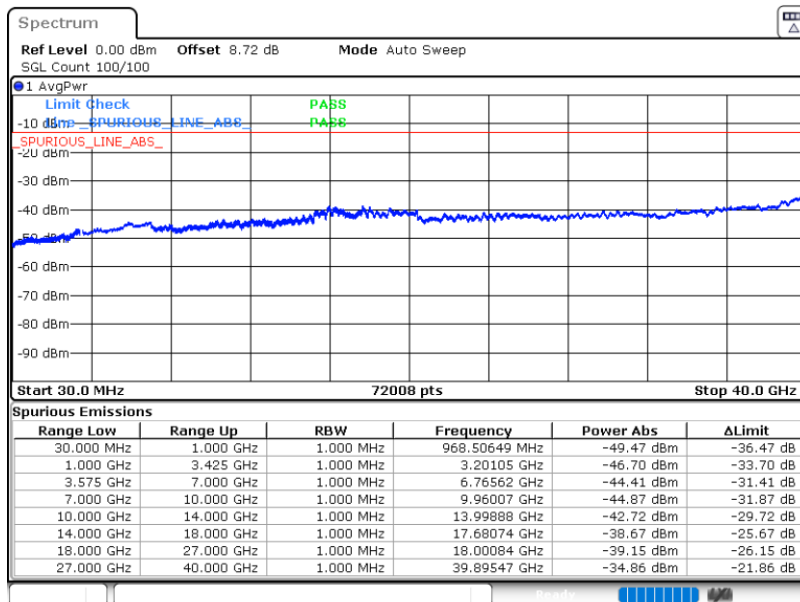
Date: 23.FEB.2023 21:30:49



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	897.76723 MHz	-49.61 dBm	-36.61 dB
1.000 GHz	3.425 GHz	1.000 MHz	3.35318 GHz	-46.72 dBm	-33.72 dB
3.575 GHz	7.000 GHz	1.000 MHz	6.99829 GHz	-44.27 dBm	-31.27 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96682 GHz	-44.83 dBm	-31.83 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.94913 GHz	-43.01 dBm	-30.01 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.67331 GHz	-38.71 dBm	-25.71 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.02278 GHz	-39.31 dBm	-26.31 dB
27.000 GHz	40.000 GHz	1.000 MHz	39.90305 GHz	-34.92 dBm	-21.92 dB

Date: 23.FEB.2023 21:32:10

Highest Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	968.50649 MHz	-49.47 dBm	-36.47 dB
1.000 GHz	3.425 GHz	1.000 MHz	3.20105 GHz	-46.70 dBm	-33.70 dB
3.575 GHz	7.000 GHz	1.000 MHz	6.76562 GHz	-44.41 dBm	-31.41 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96007 GHz	-44.87 dBm	-31.87 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99888 GHz	-42.72 dBm	-29.72 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.68074 GHz	-38.67 dBm	-25.67 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.00084 GHz	-39.15 dBm	-26.15 dB
27.000 GHz	40.000 GHz	1.000 MHz	39.89547 GHz	-34.86 dBm	-21.86 dB

Date: 23.FEB.2023 21:33:30

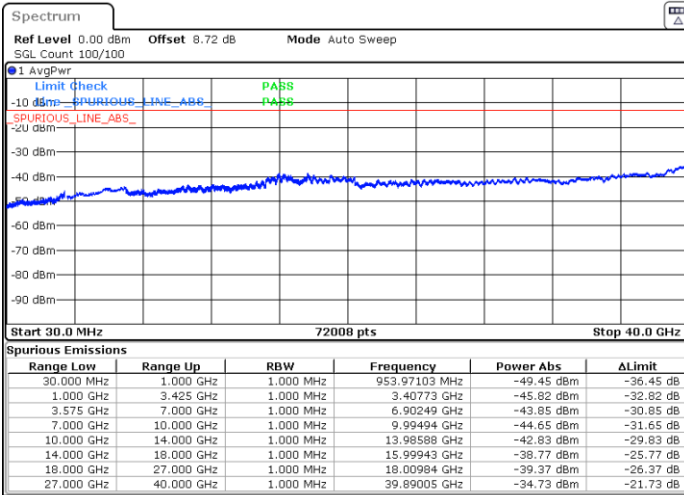


LTE Band 42/ 10MHz

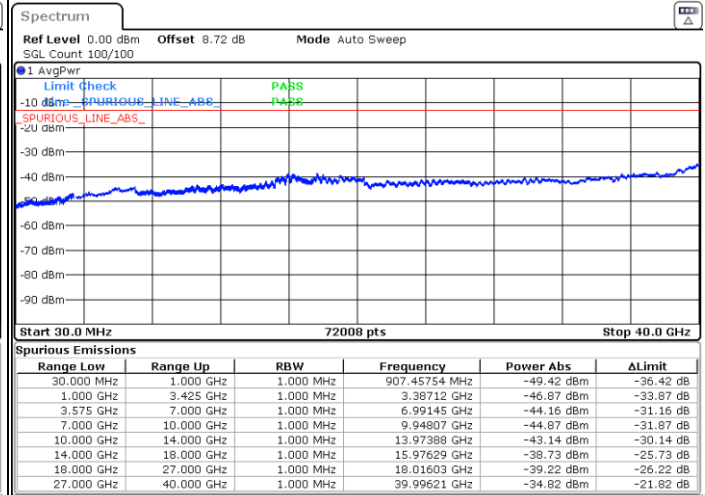
QPSK / 1RB0

Lowest Channel

Middle Channel

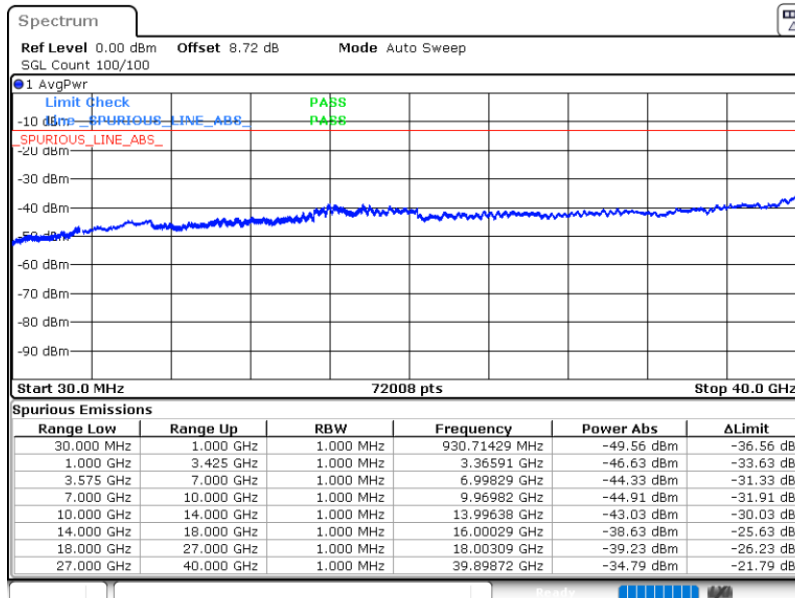


Date: 23.FEB.2023 22:06:07



Date: 23.FEB.2023 22:07:28

Highest Channel



Date: 23.FEB.2023 22:08:48

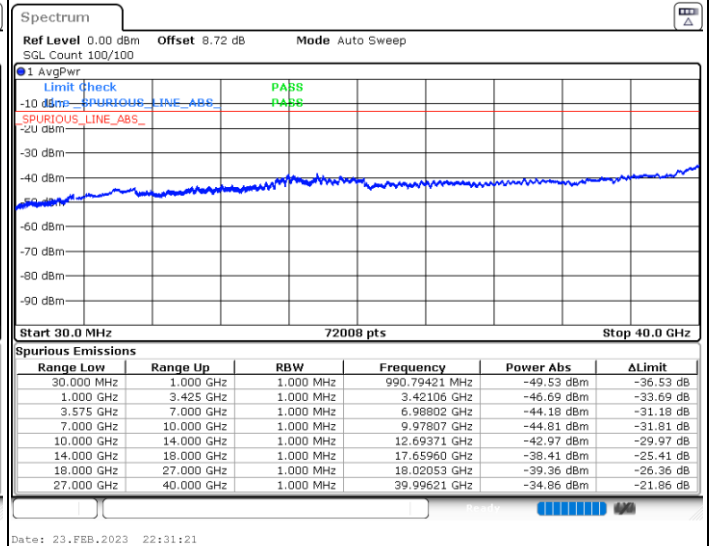
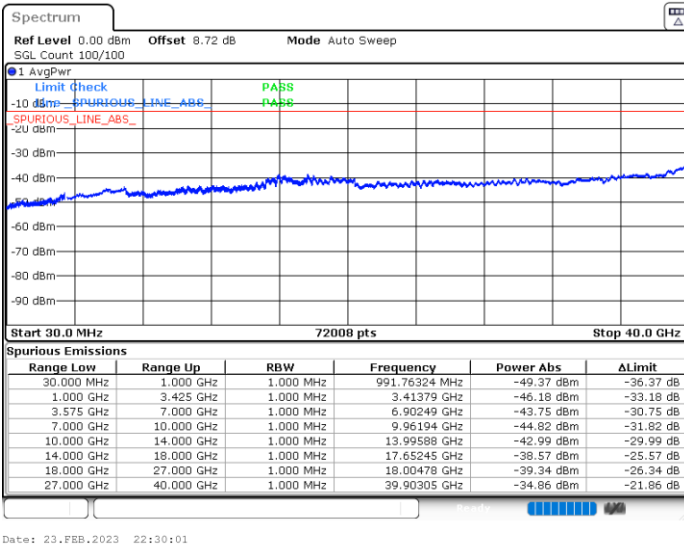


LTE Band 42/ 15MHz

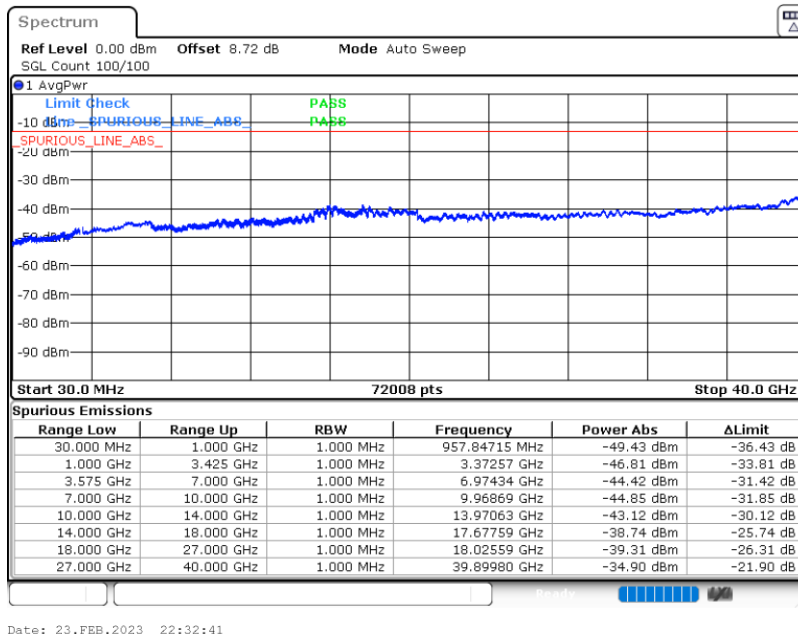
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



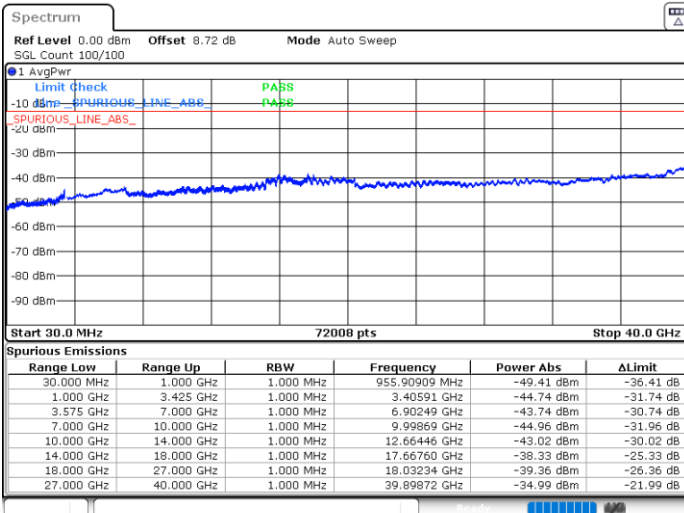


LTE Band 42/ 20MHz

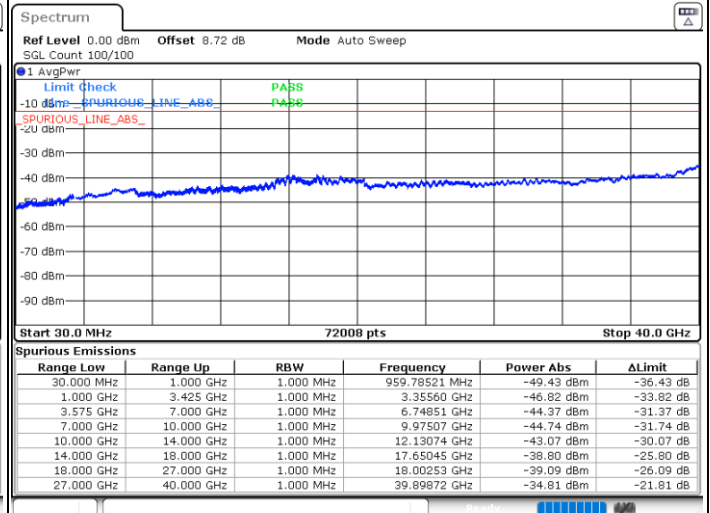
QPSK / 1RB0

Lowest Channel

Middle Channel

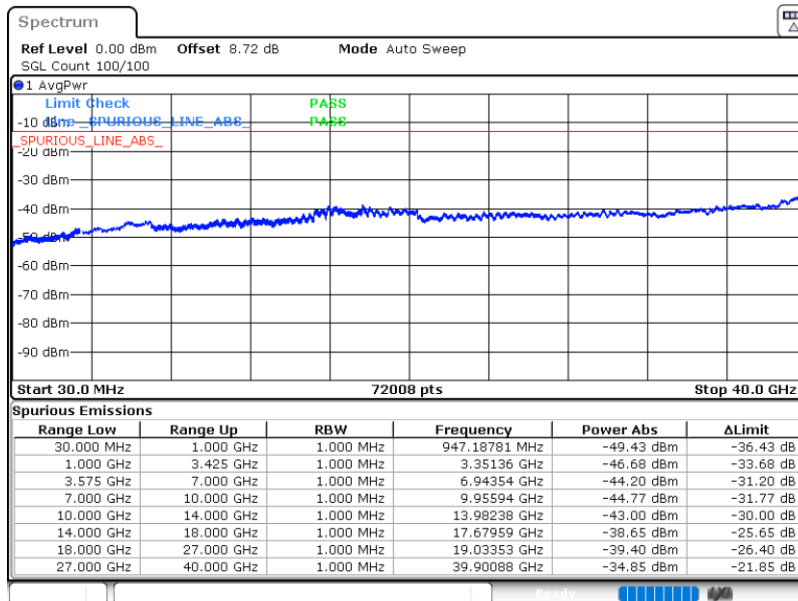


Date: 23.FEB.2023 22:50:31



Date: 23.FEB.2023 22:51:54

Highest Channel



Date: 23.FEB.2023 22:53:14

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	0.0052	PASS
40	Normal Voltage	0.0043	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.85 ; Battery End Point (BEP) =3.45 ; Maximum Voltage =4.41
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

LTE Band 42 / 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)
Lowest	6911	-55.19	-13	-42.19	-65.40	3.03	13.24	H
	10356	-62.10	-13	-49.10	-71.55	3.56	13.01	H
	13804.36	-61.31	-13	-48.31	-70.83	3.92	13.44	H
	6911	-61.19	-13	-48.19	-71.40	3.03	13.24	V
	10353.27	-62.25	-13	-49.25	-71.70	3.56	13.01	V
	13801	-61.07	-13	-48.07	-70.59	3.92	13.44	V
Middle	6989	-60.71	-13	-47.71	-70.92	3.03	13.24	H
	10473	-62.23	-13	-49.23	-71.68	3.56	13.01	H
	13964.36	-61.08	-13	-48.08	-70.60	3.92	13.44	H
	6976	-63.72	-13	-50.72	-73.93	3.03	13.24	V
	10473.27	-62.46	-13	-49.46	-71.91	3.56	13.01	V
	13964.36	-61.24	-13	-48.24	-70.76	3.92	13.44	V
Highest	7062.18	-63.42	-13	-50.42	-73.63	3.03	13.24	H
	10593.27	-61.10	-13	-48.10	-70.55	3.56	13.01	H
	14126	-60.76	-13	-47.76	-70.28	3.92	13.44	H
	7067	-63.86	-13	-50.86	-74.07	3.03	13.24	V
	10593.27	-61.41	-13	-48.41	-70.86	3.56	13.01	V
	14126	-60.92	-13	-47.92	-70.44	3.92	13.44	V

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