

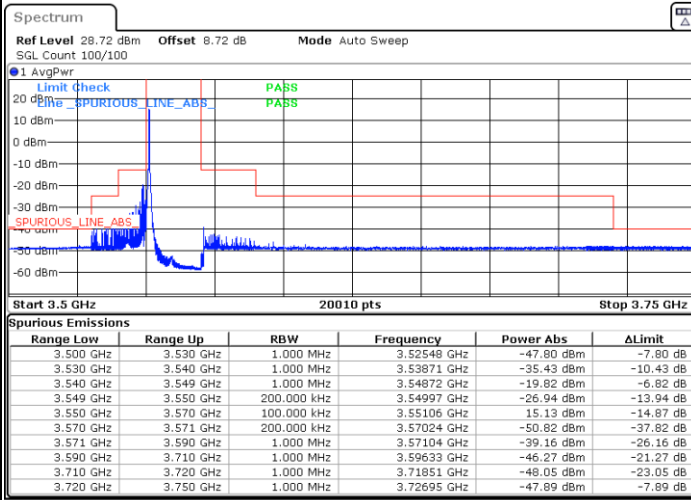


LTE Band 48 / 20MHz

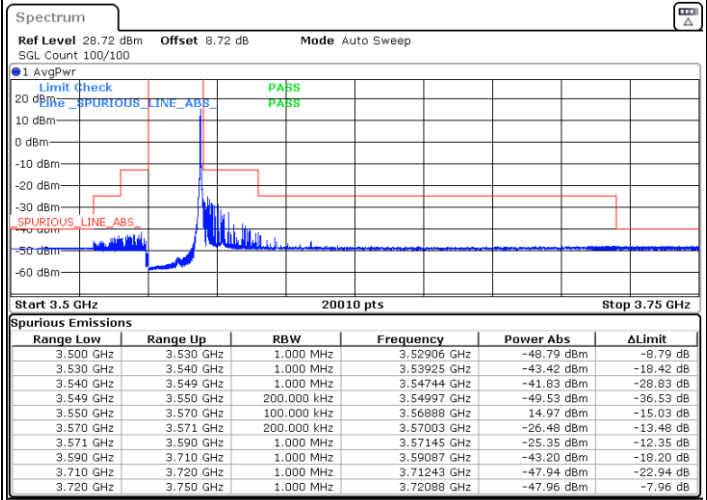
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



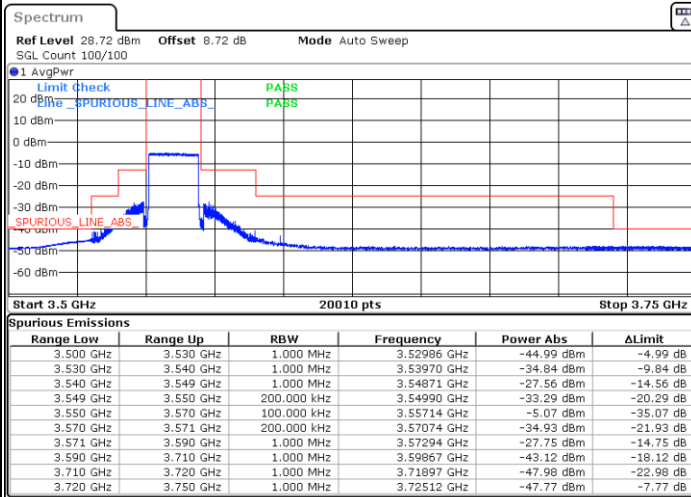
Date: 21.APR.2024 14:34:06



Date: 21.APR.2024 14:41:58

Lowest Channel / Full RB

N/A



Date: 21.APR.2024 14:49:50

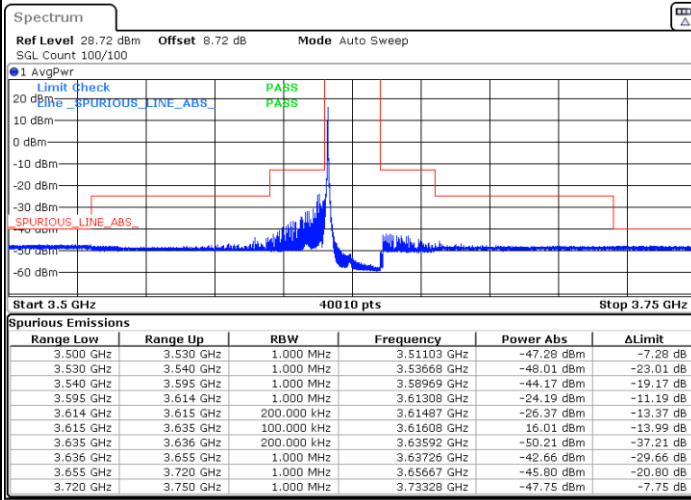


LTE Band 48 / 20MHz

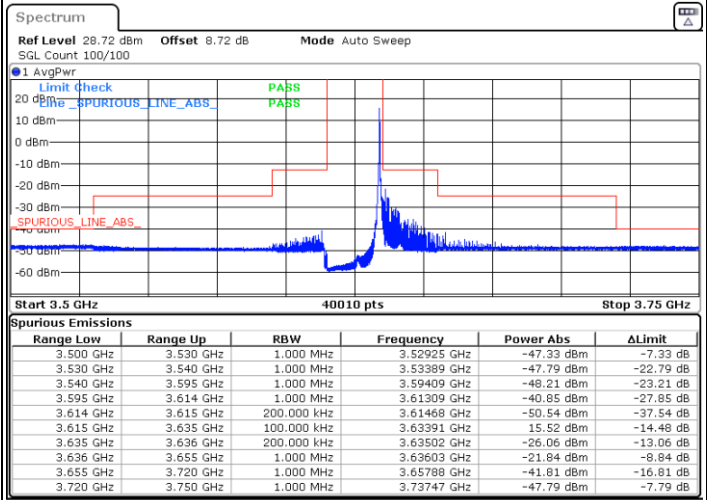
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



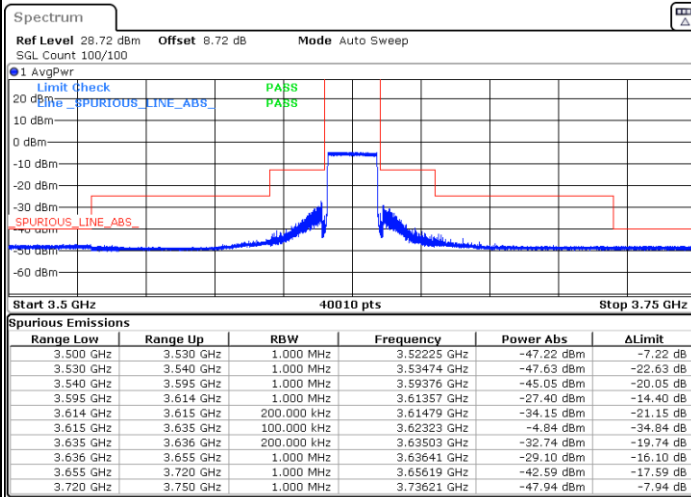
Date: 21.APR.2024 14:57:37



Date: 21.APR.2024 15:05:25

Middle Channel / Full

N/A



Date: 21.APR.2024 15:13:18

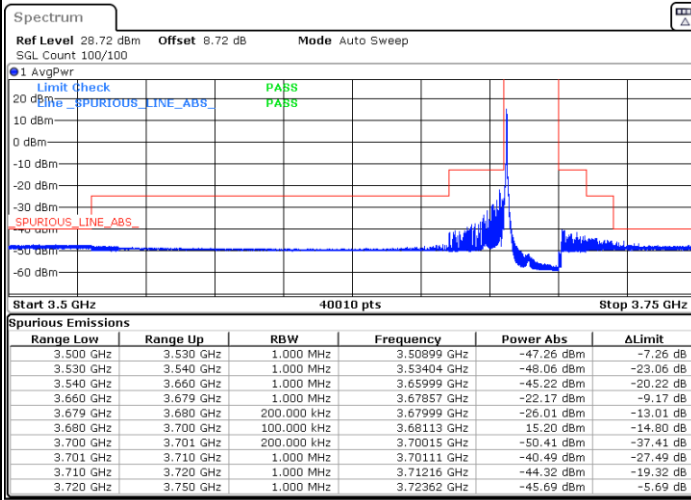


LTE Band 48 / 20MHz

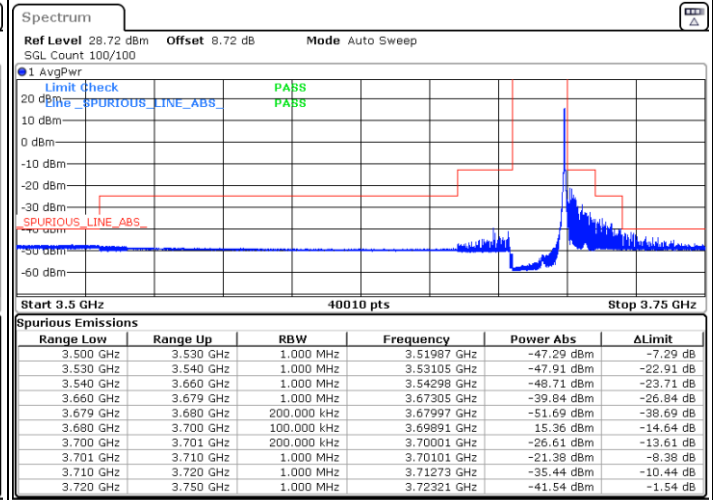
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



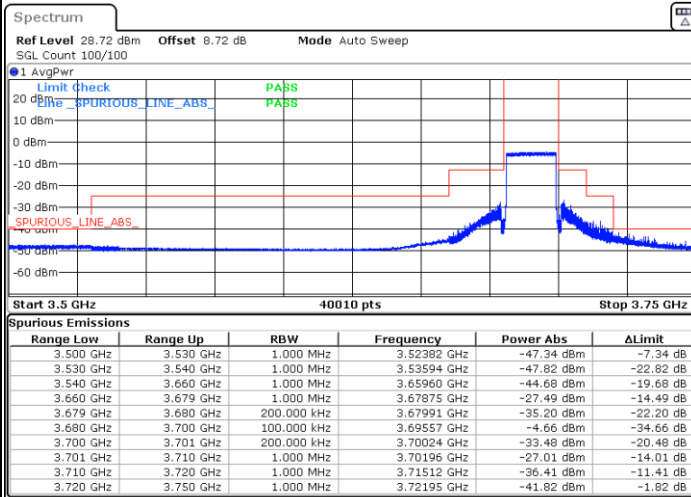
Date: 21.APR.2024 15:21:06



Date: 21.APR.2024 15:28:57

Highest Channel / Full RB

N/A



Date: 21.APR.2024 15:36:48

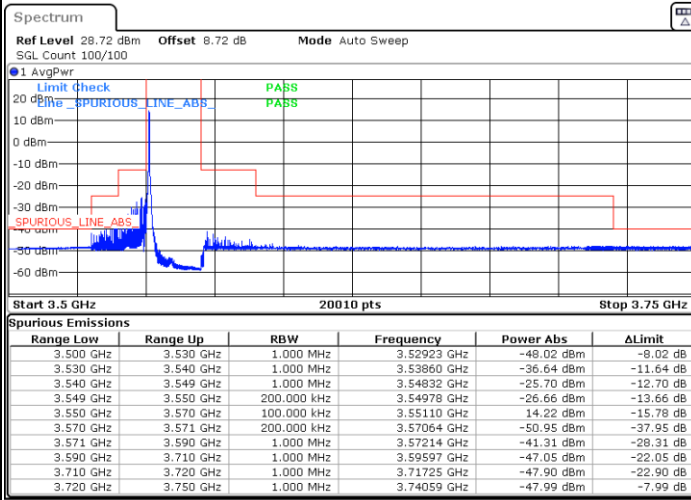


LTE Band 48 / 20MHz

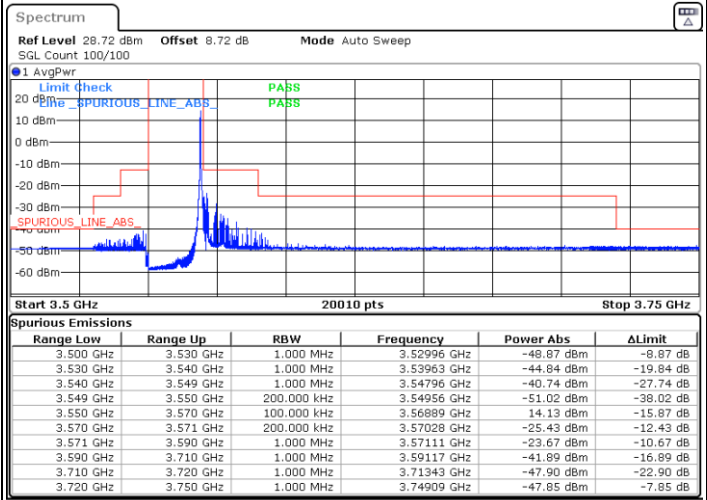
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



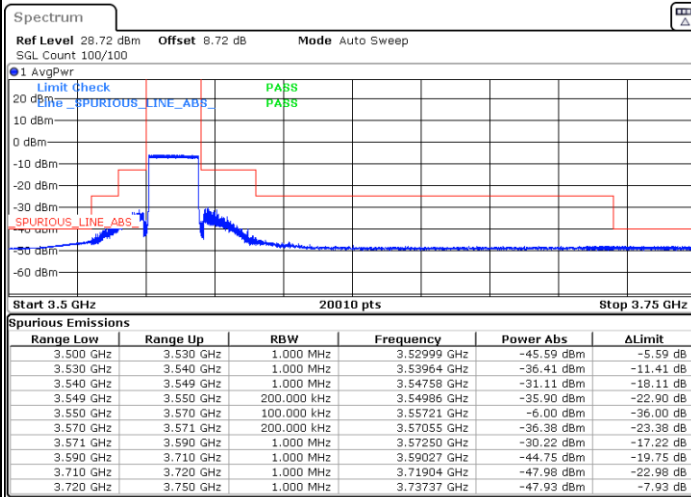
Date: 21.APR.2024 14:36:03



Date: 21.APR.2024 14:43:56

Lowest Channel / Full RB

N/A



Date: 21.APR.2024 14:51:46

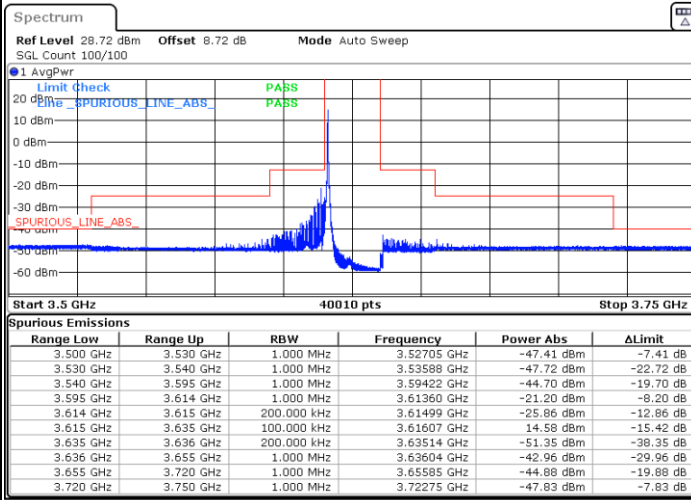


LTE Band 48 / 20MHz

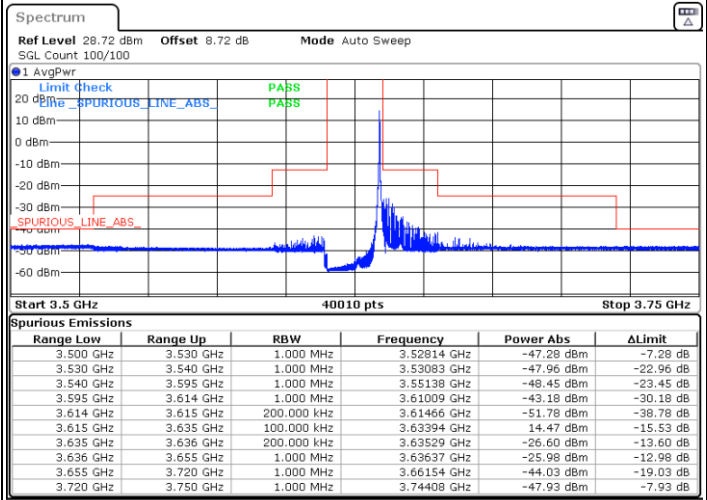
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



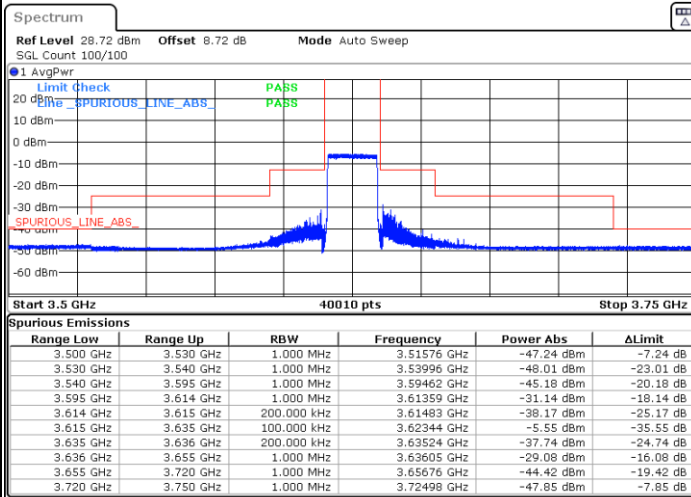
Date: 21.APR.2024 14:59:34



Date: 21.APR.2024 15:07:27

Middle Channel / Full

N/A



Date: 21.APR.2024 15:15:15

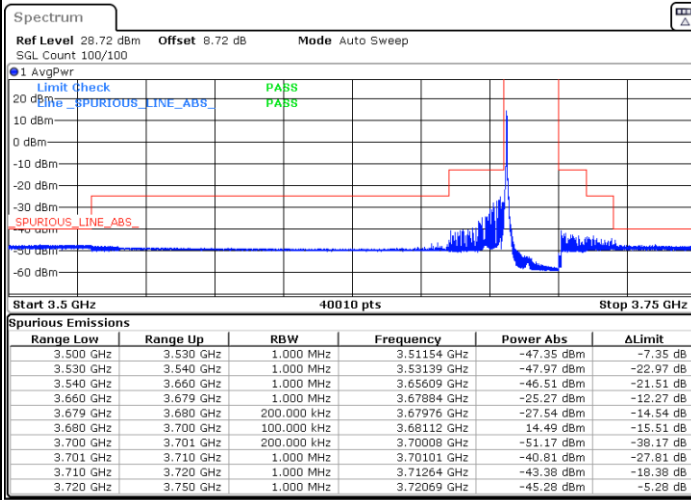


LTE Band 48 / 20MHz

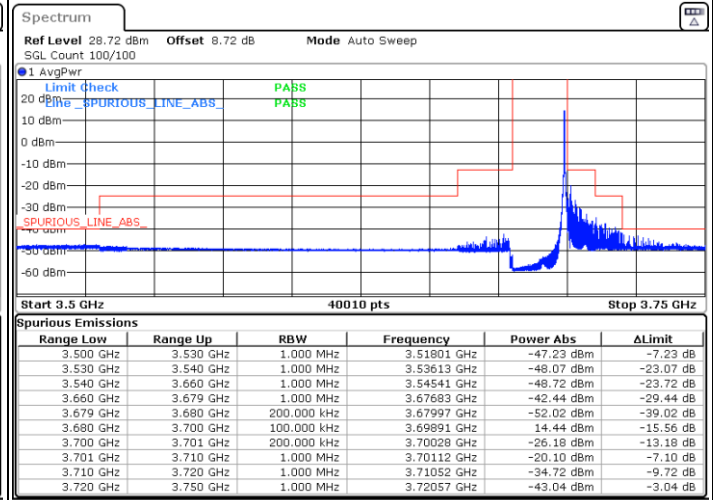
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



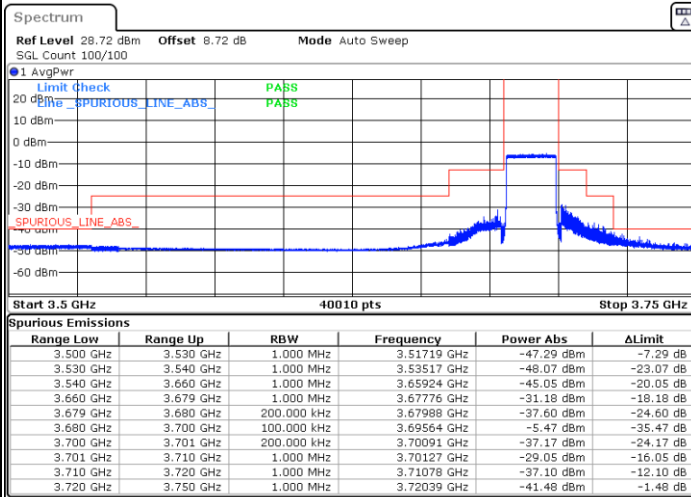
Date: 21.APR.2024 15:23:04



Date: 21.APR.2024 15:30:54

Highest Channel / Full RB

N/A



Date: 21.APR.2024 15:43:24

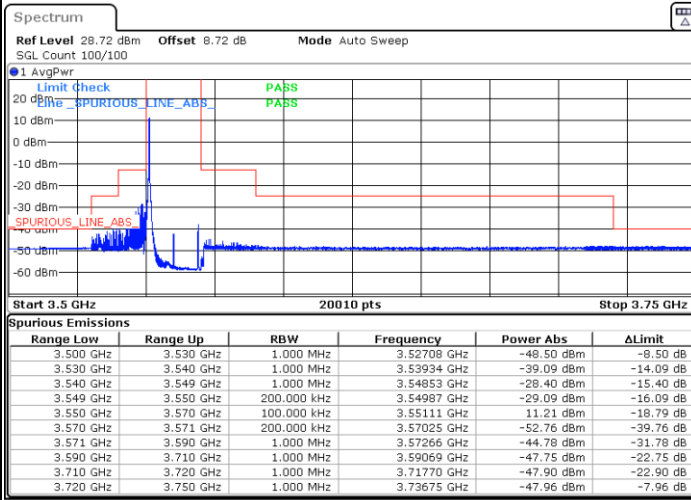


LTE Band 48 / 20MHz

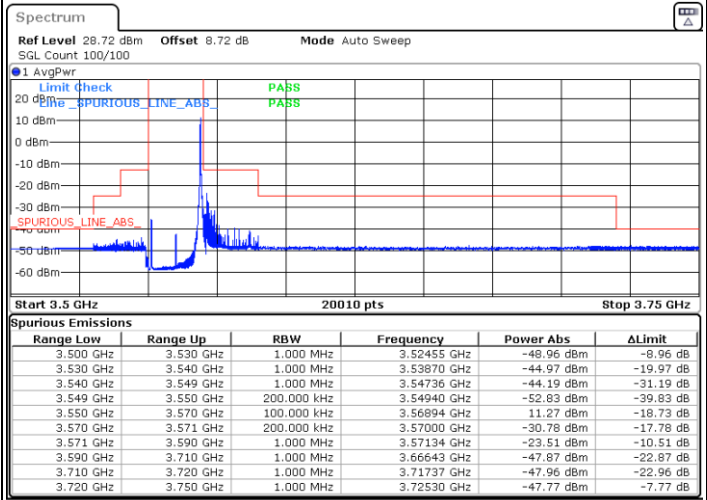
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



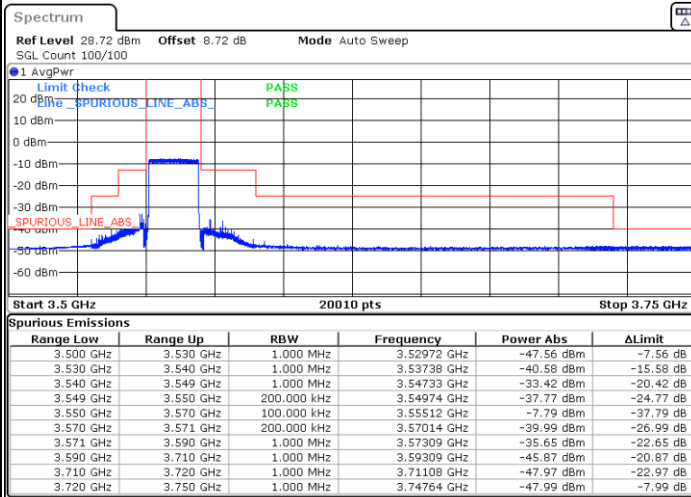
Date: 21.APR.2024 14:38:01



Date: 21.APR.2024 14:45:53

Lowest Channel / Full RB

N/A



Date: 21.APR.2024 14:53:43

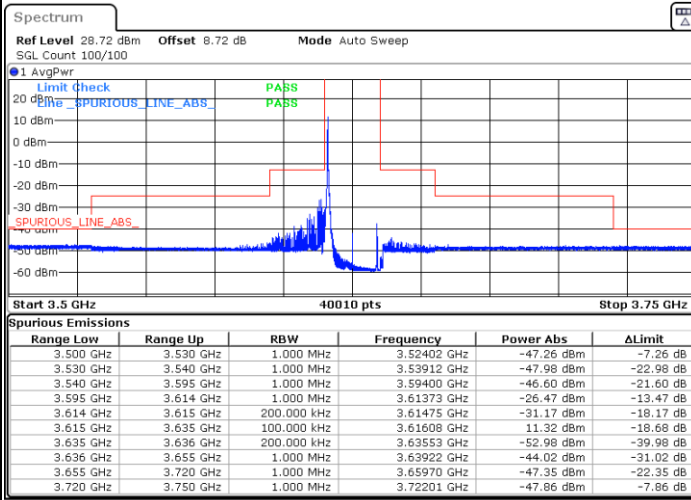


LTE Band 48 / 20MHz

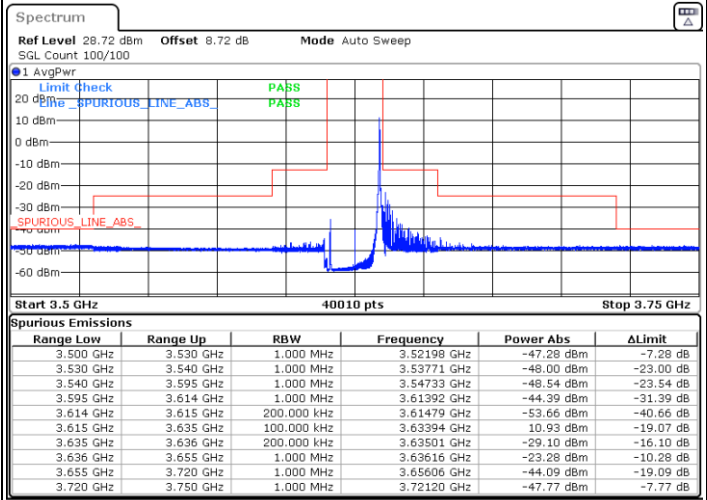
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



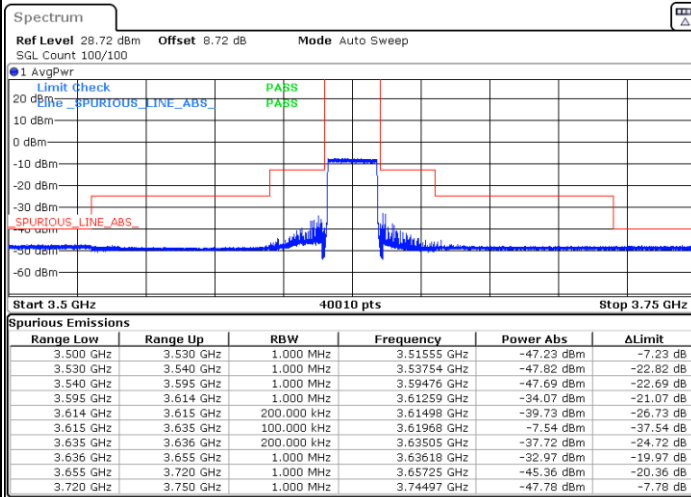
Date: 21.APR.2024 15:01:31



Date: 21.APR.2024 15:09:24

Middle Channel / Full

N/A



Date: 21.APR.2024 15:17:12

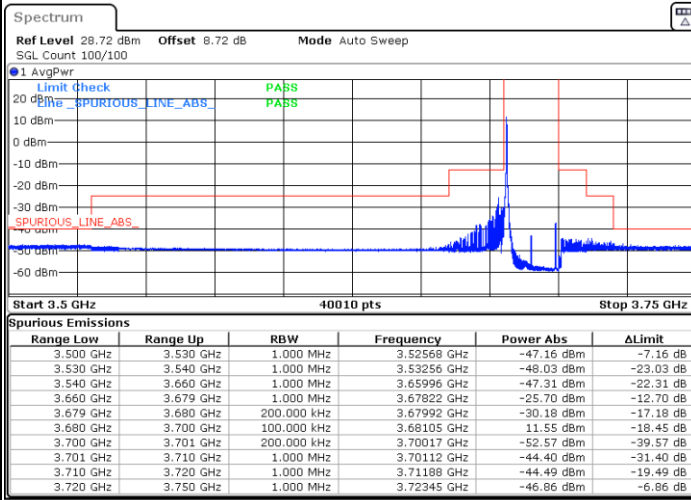


LTE Band 48 / 20MHz

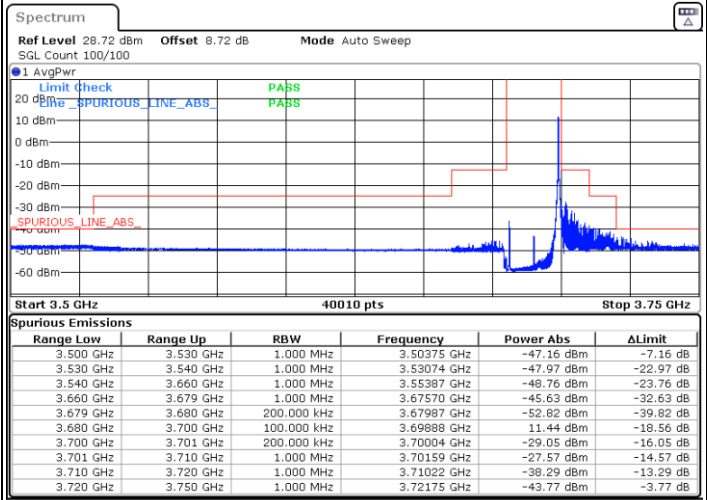
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



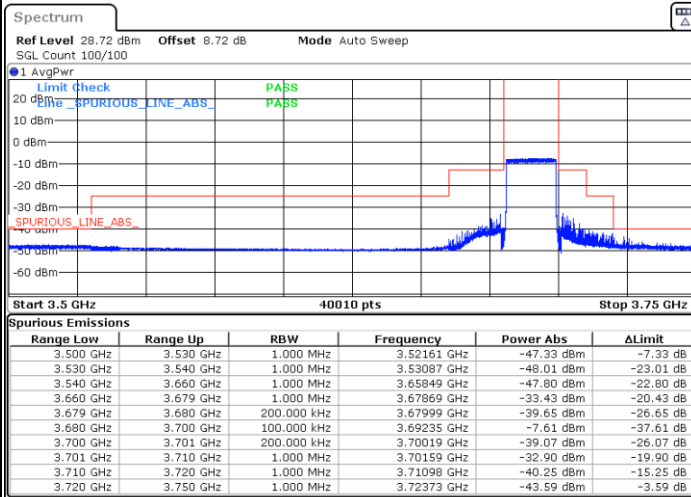
Date: 21.APR.2024 15:25:01



Date: 21.APR.2024 15:32:52

Highest Channel / Full RB

N/A



Date: 21.APR.2024 15:40:45



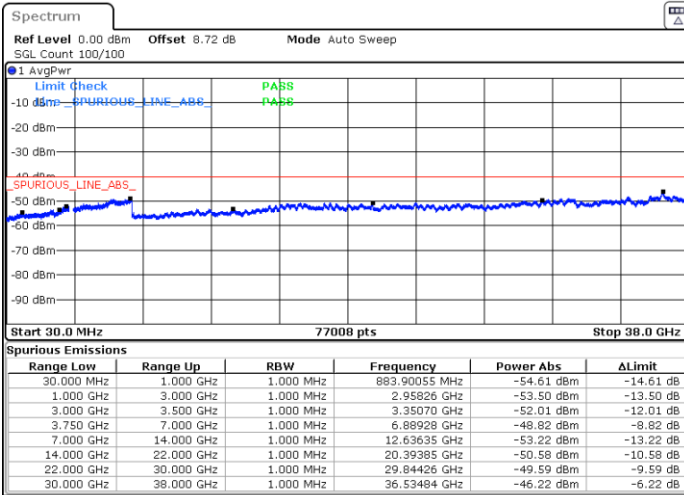
Conducted Spurious Emission

LTE Band 48 / 5MHz

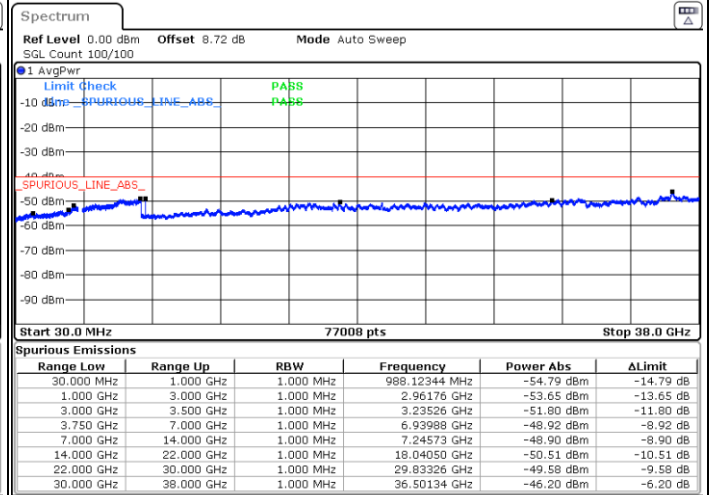
QPSK / 1RB0

Lowest Channel

Middle Channel

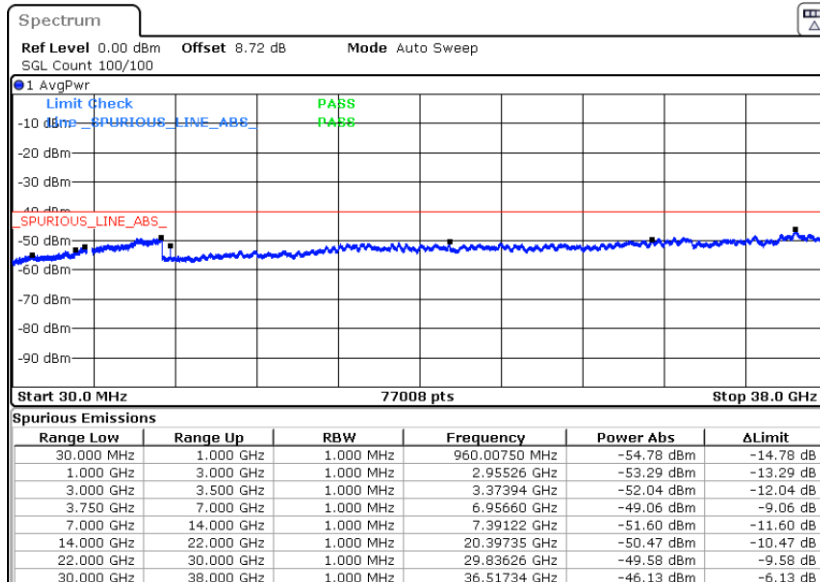


Date: 21.APR.2024 16:06:06



Date: 21.APR.2024 16:07:51

Highest Channel



Date: 21.APR.2024 16:09:37

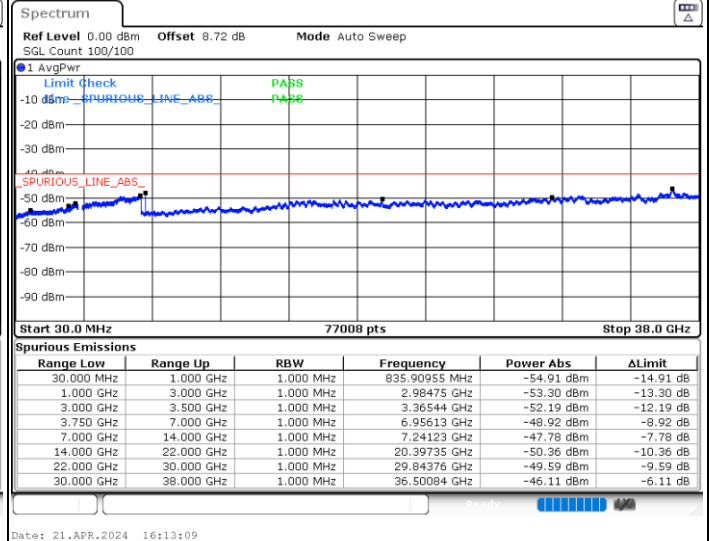
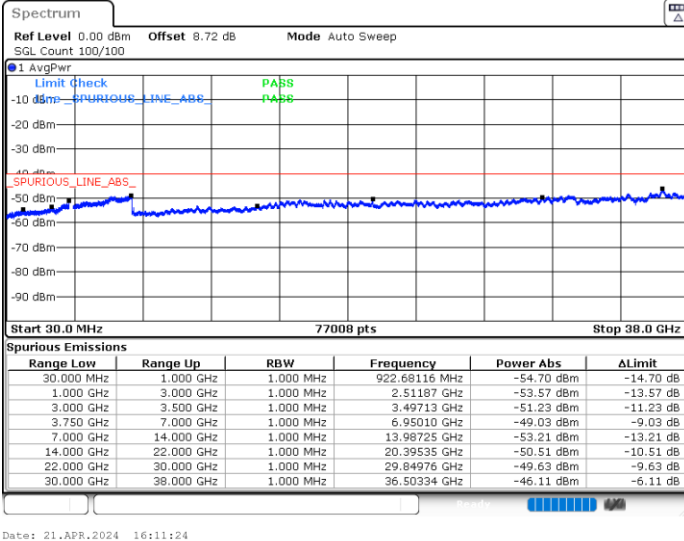


LTE Band 48 / 10MHz

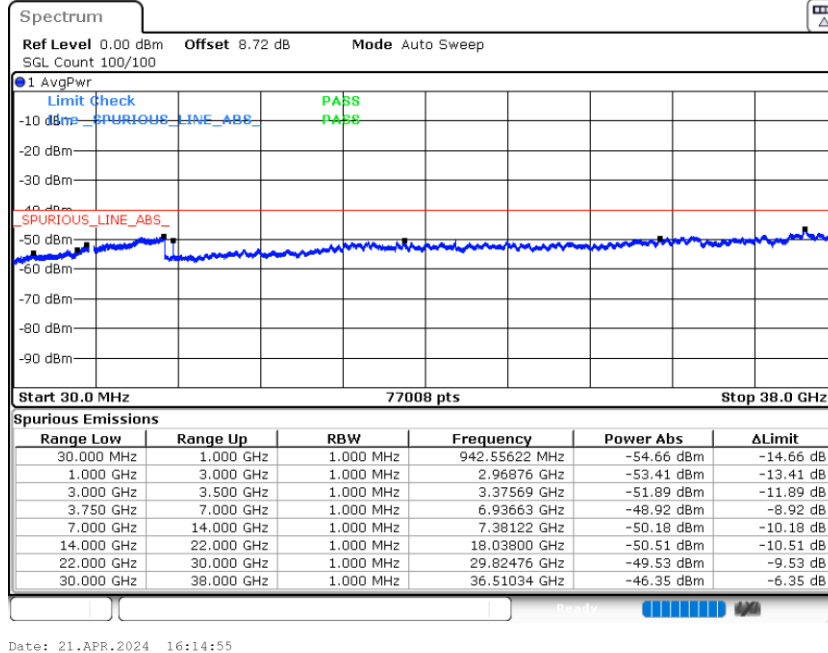
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



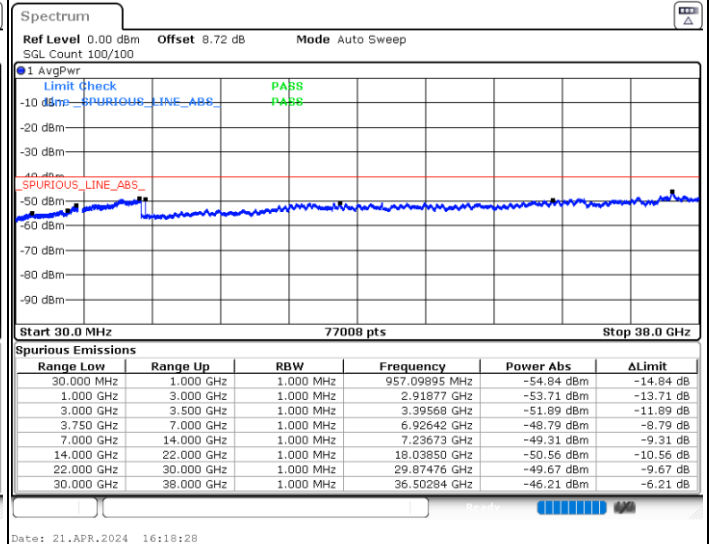
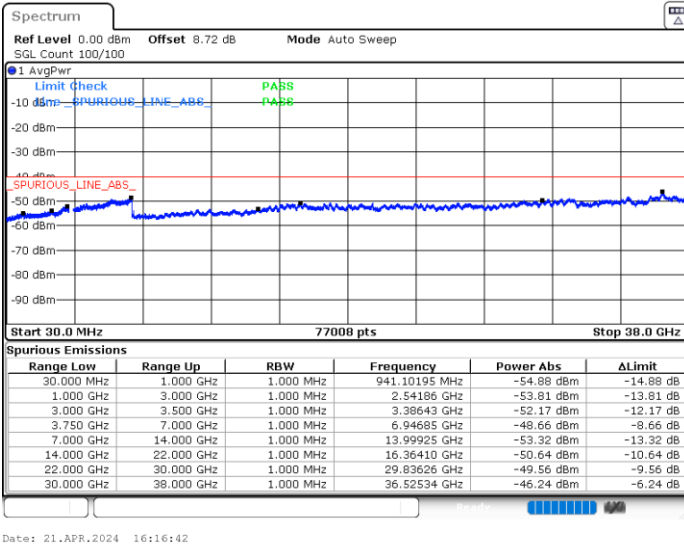


LTE Band 48 / 15MHz

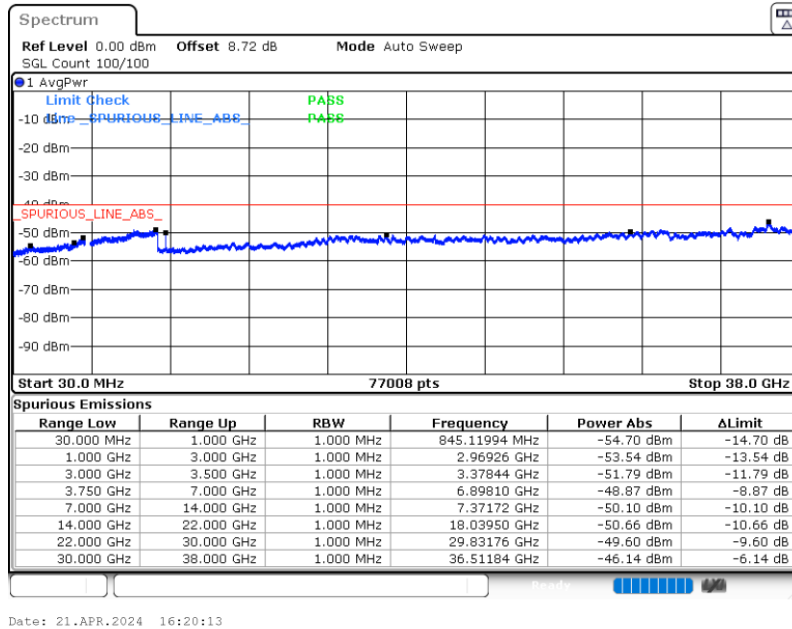
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



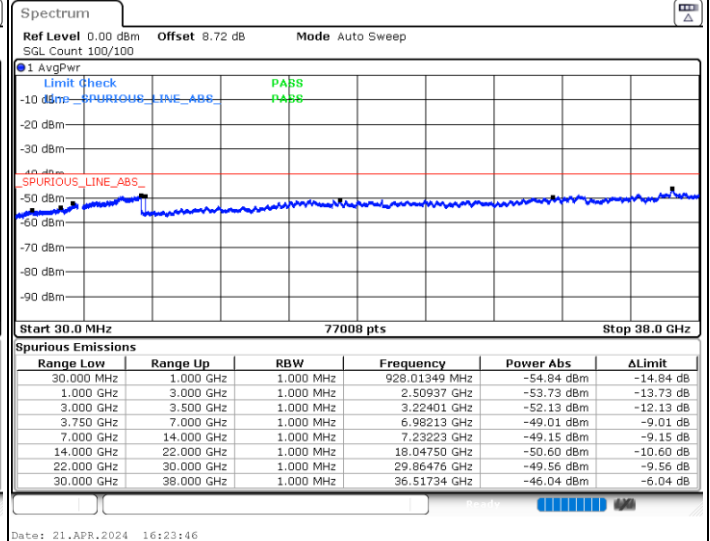
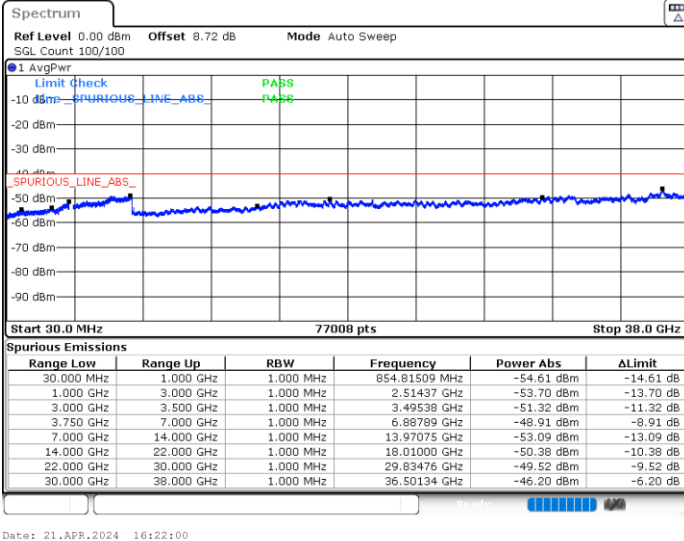


LTE Band 48 / 20MHz

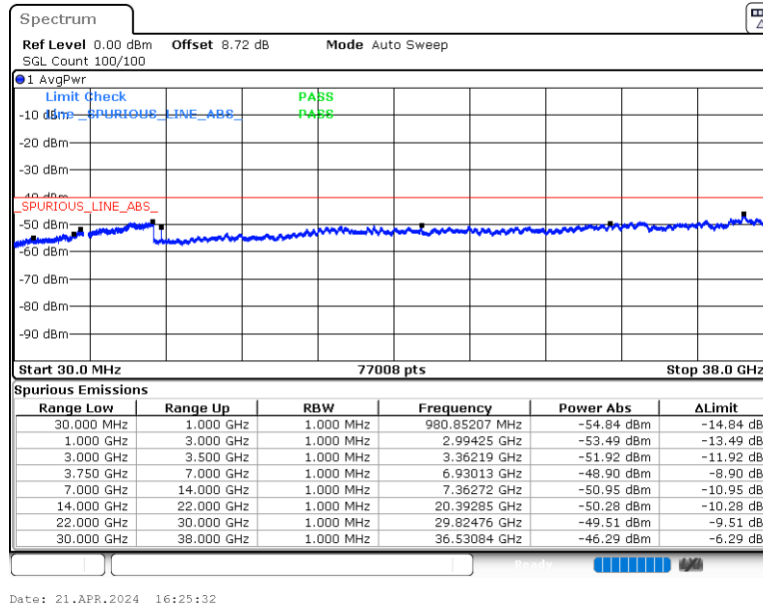
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0074	PASS
40	Normal Voltage	0.0112	
30	Normal Voltage	0.0106	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0095	
0	Normal Voltage	0.0088	
-10	Normal Voltage	0.0140	
-20	Normal Voltage	0.0061	
-30	Normal Voltage	0.0096	
20	Maximum Voltage	0.0082	
20	Normal Voltage	0.0116	
20	Battery End Point	0.0107	

Note:

1. Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

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

LTE Band 48 / 20MHz / QPSK / Ant.7 / Open								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarizaton (H/V)
Middle	7236	-63.51	-40	-23.51	-74.97	2.84	14.30	H
	10848	-61.13	-40	-21.13	-71.07	3.49	13.43	H
	14460	-60.63	-40	-20.63	-70.87	3.85	14.09	H
	7236	-63.97	-40	-23.97	-75.43	2.84	14.30	V
	10848	-61.06	-40	-21.06	-71.00	3.49	13.43	V
	14460	-59.64	-40	-19.64	-69.88	3.85	14.09	V

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