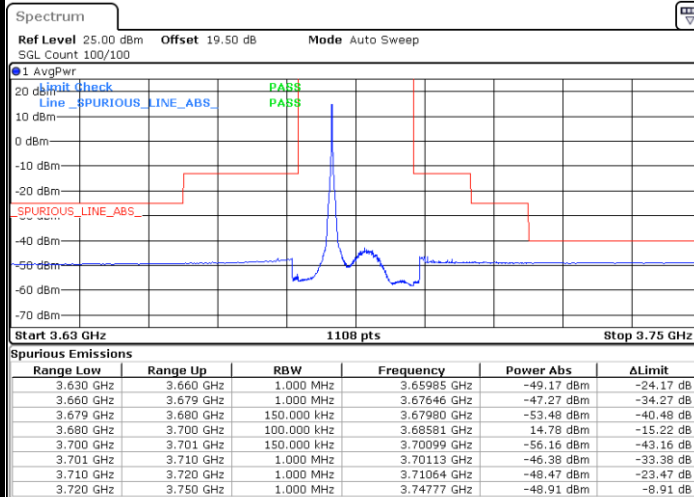




LTE Band 48 / 15MHz

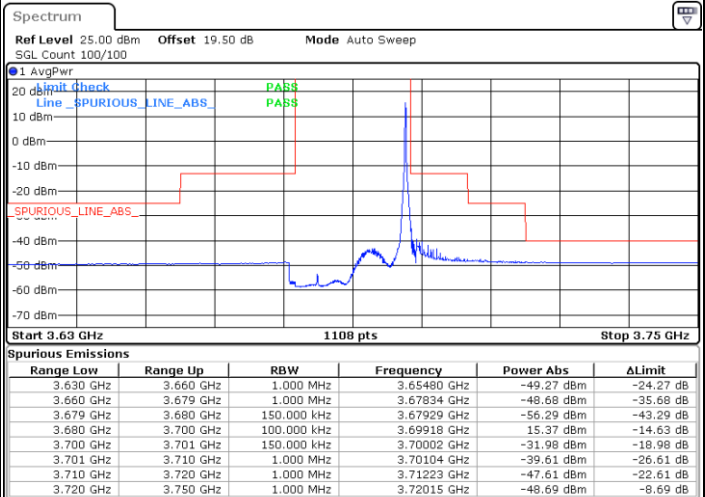
64QAM

Highest Channel / 1RB0



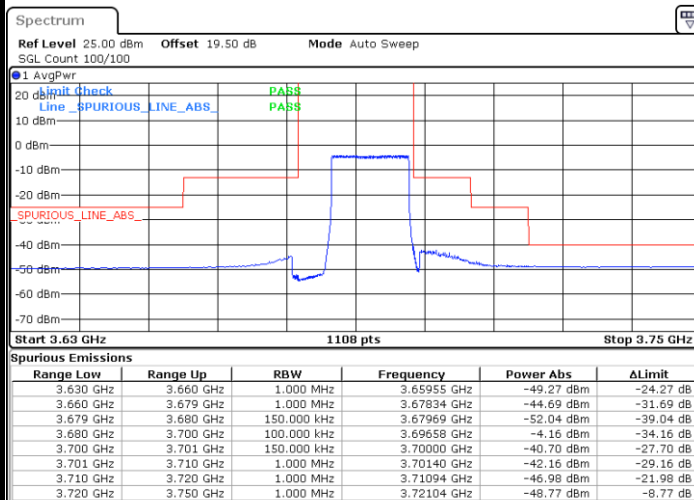
Date: 27 JUL 2024 20:48:41

Highest Channel / 1RBmax



Date: 27 JUL 2024 20:57:26

Highest Channel / FullRB



Date: 27 JUL 2024 20:59:12

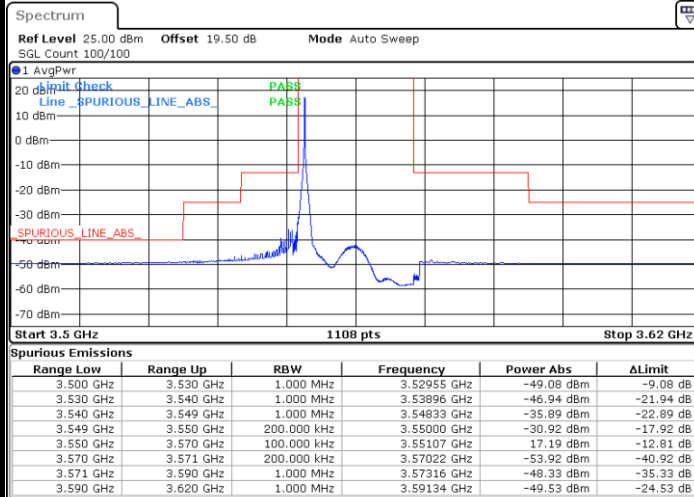
N/A



LTE Band 48 / 20MHz

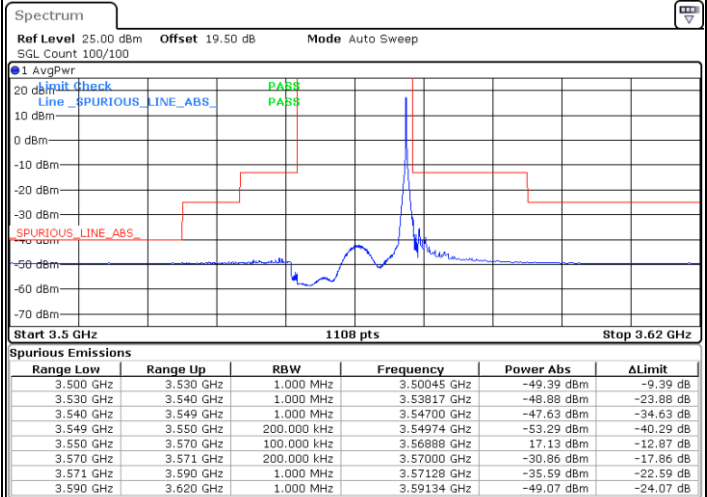
QPSK

Lowest Channel / 1RB0



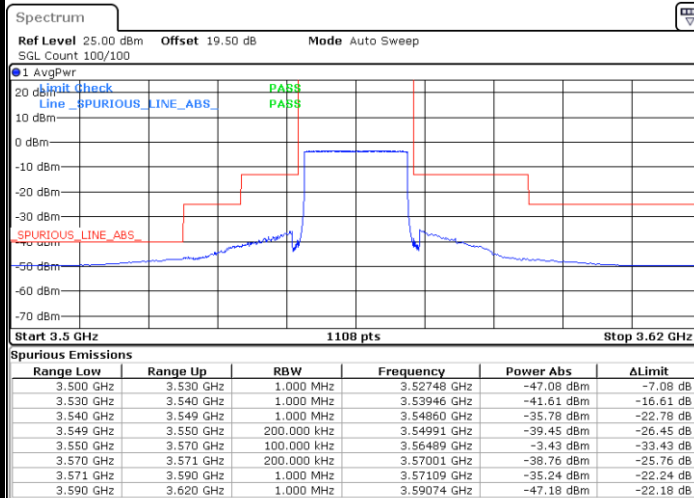
Date: 27 JUL 2024 21:14:57

Lowest Channel / 1RBmax



Date: 27 JUL 2024 21:23:44

Lowest Channel / FullIRB



Date: 27 JUL 2024 21:25:30

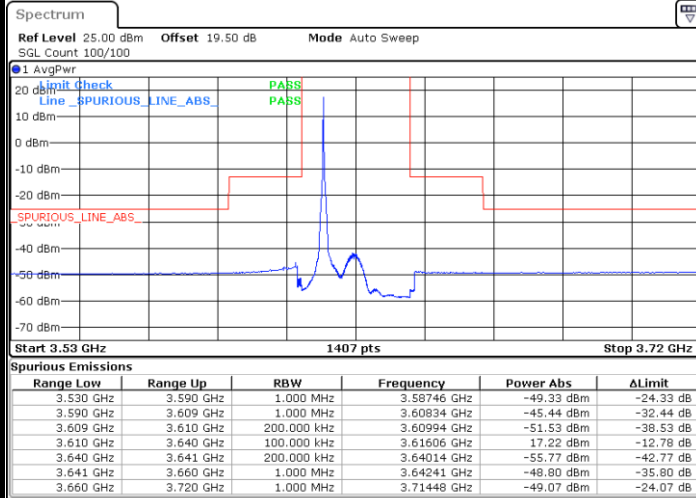
N/A



LTE Band 48 / 20MHz

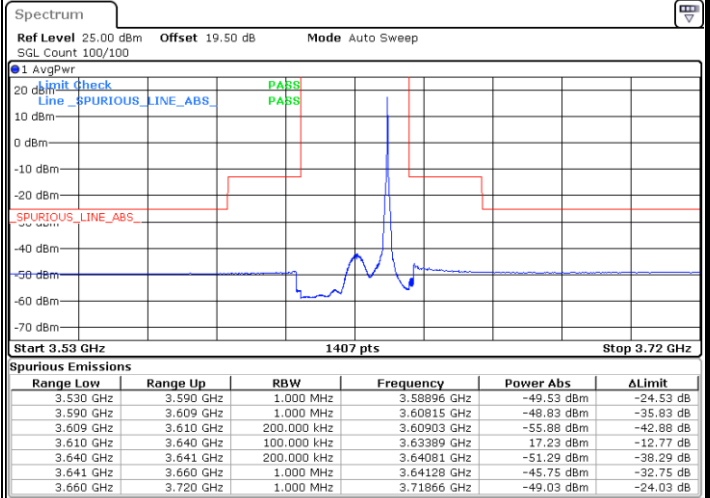
QPSK

Middle Channel / 1RB0



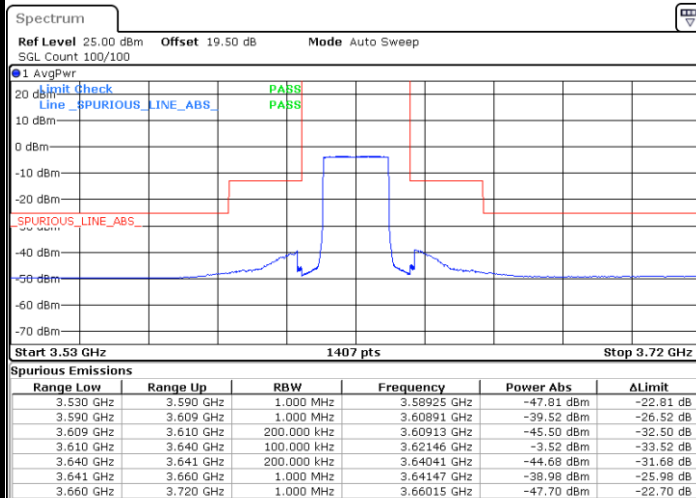
Date: 27 JUL 2024 21:54:24

Middle Channel / 1RBmax



Date: 27 JUL 2024 21:45:42

Middle Channel / FullRB



Date: 27 JUL 2024 21:43:57

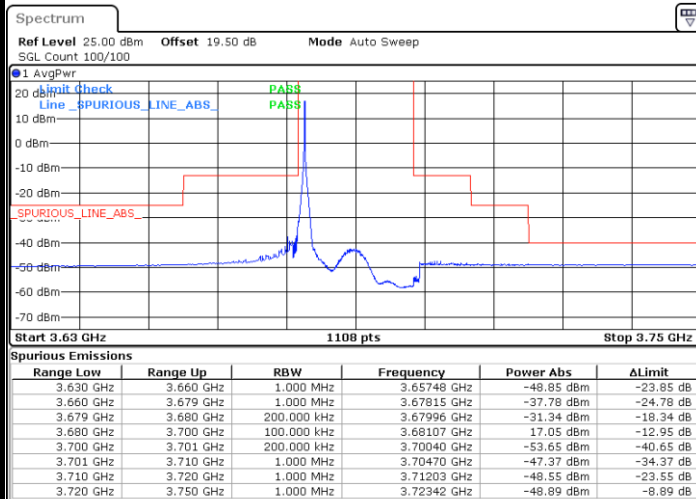
N/A



LTE Band 48 / 20MHz

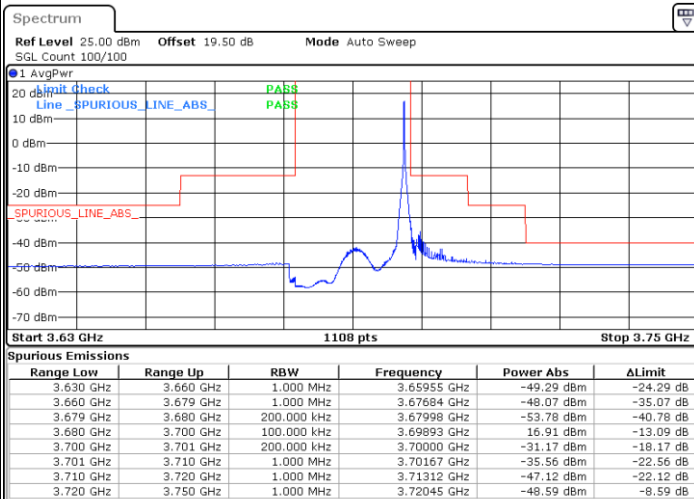
QPSK

Highest Channel / 1RB0



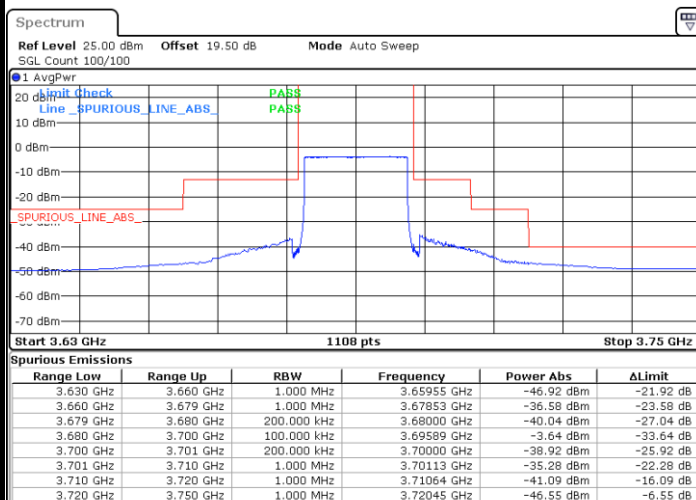
Date: 27 JUL 2024 22:08:33

Highest Channel / 1RBmax



Date: 27 JUL 2024 22:17:18

Highest Channel / FullRB



Date: 27 JUL 2024 22:19:03

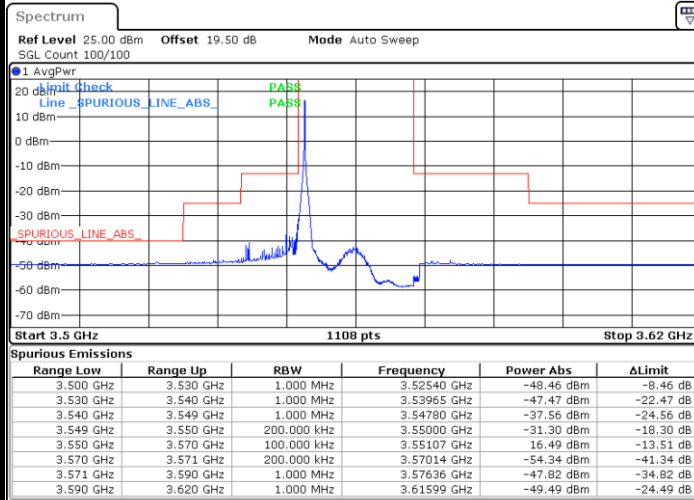
N/A



LTE Band 48 / 20MHz

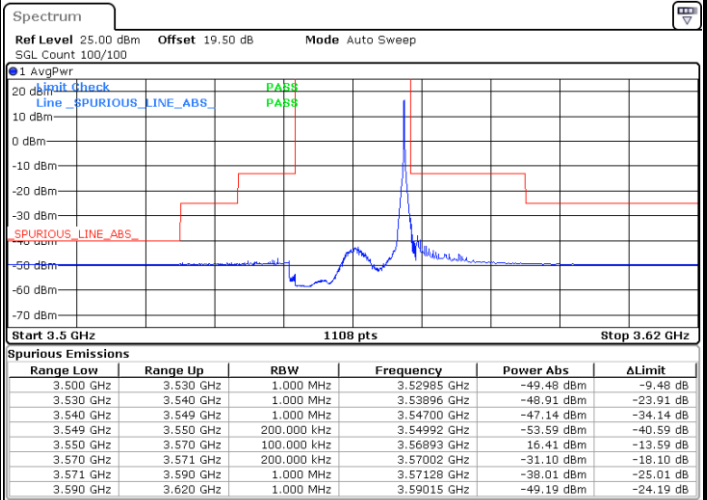
16QAM

Lowest Channel / 1RB0



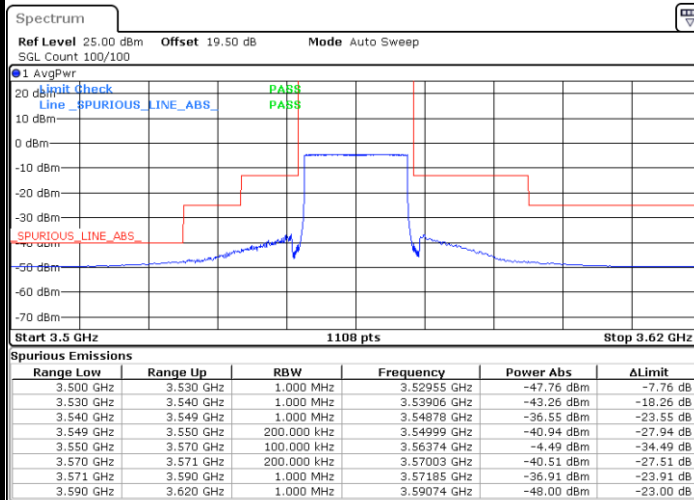
Date: 27 JUL 2024 21:16:42

Lowest Channel / 1RBmax



Date: 27 JUL 2024 21:21:59

Lowest Channel / FullRB



Date: 27 JUL 2024 21:27:15

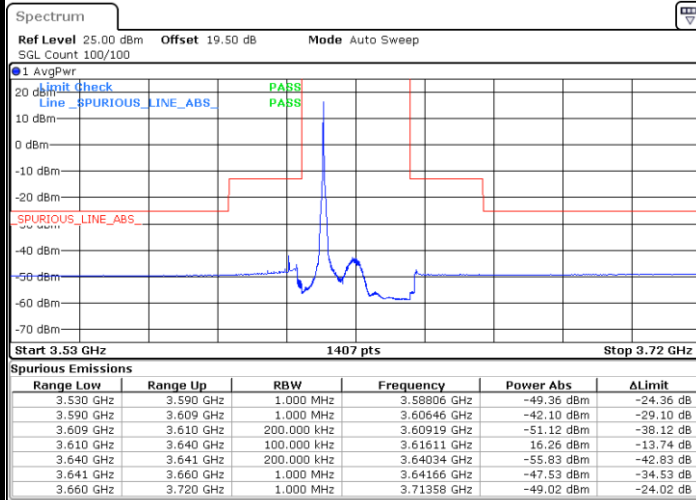
N/A



LTE Band 48 / 20MHz

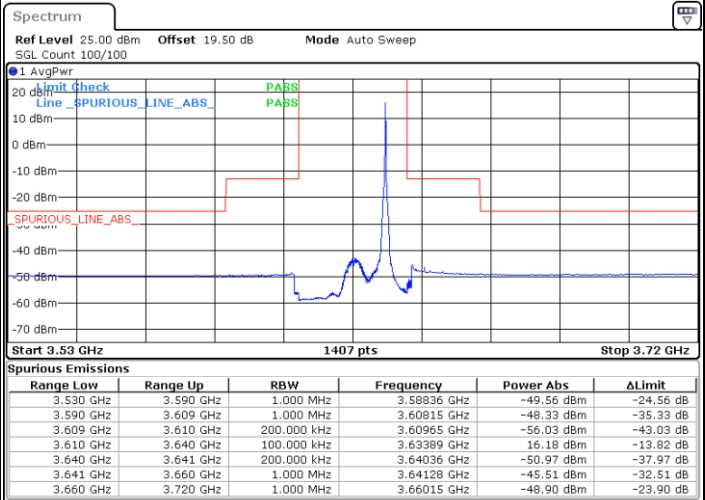
16QAM

Middle Channel / 1RB0



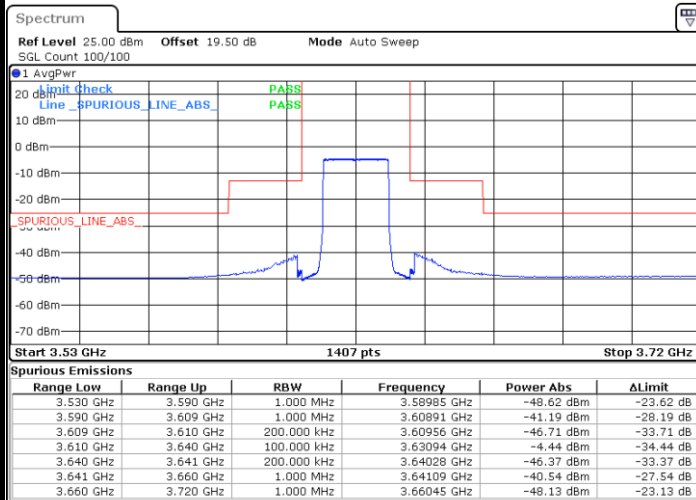
Date: 27 JUL 2024 21:52:40

Middle Channel / 1RBmax



Date: 27 JUL 2024 21:47:26

Middle Channel / FullRB



Date: 27 JUL 2024 21:42:13

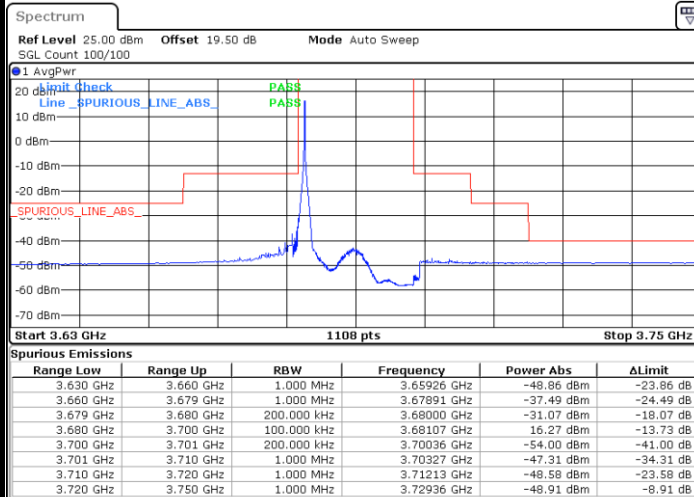
N/A



LTE Band 48 / 20MHz

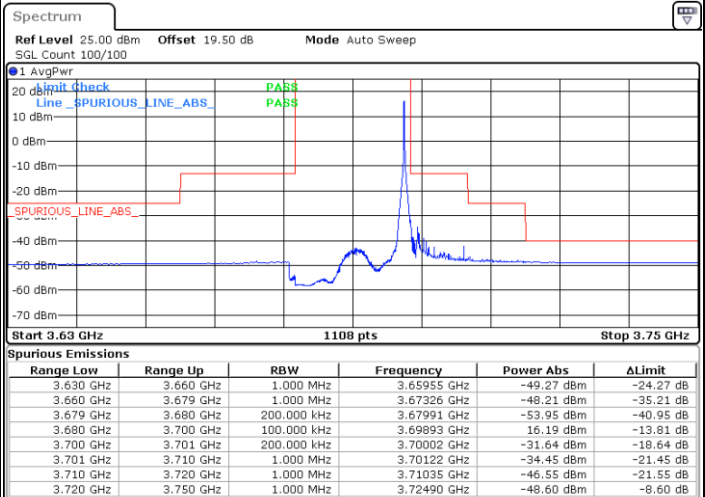
16QAM

Highest Channel / 1RB0



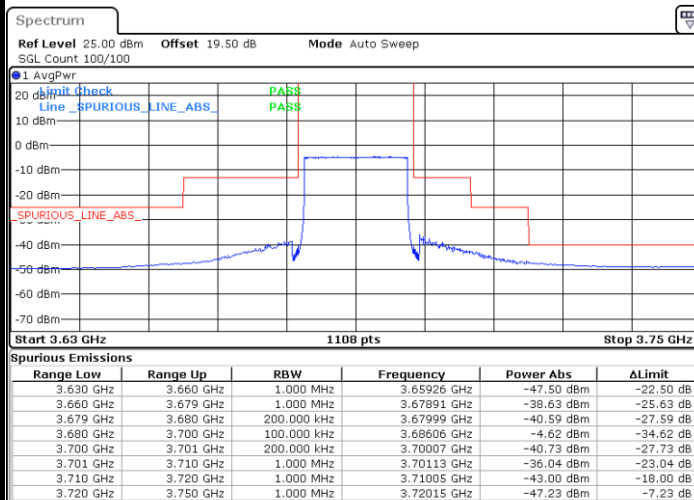
Date: 27 JUL 2024 22:10:18

Highest Channel / 1RBmax



Date: 27 JUL 2024 22:15:33

Highest Channel / FullRB



Date: 27 JUL 2024 22:20:48

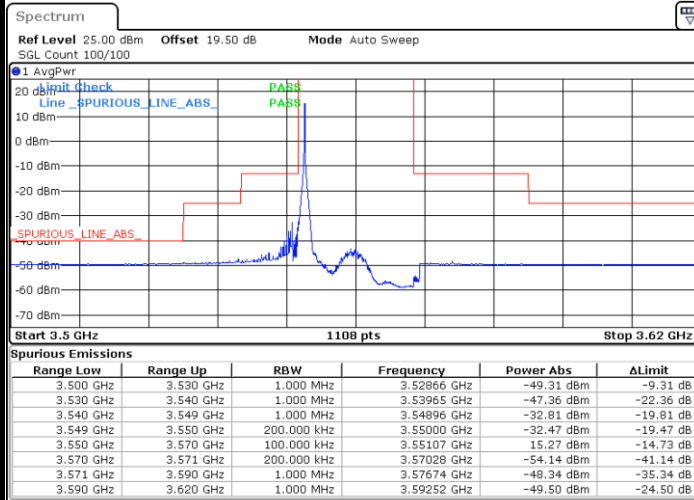
N/A



LTE Band 48 / 20MHz

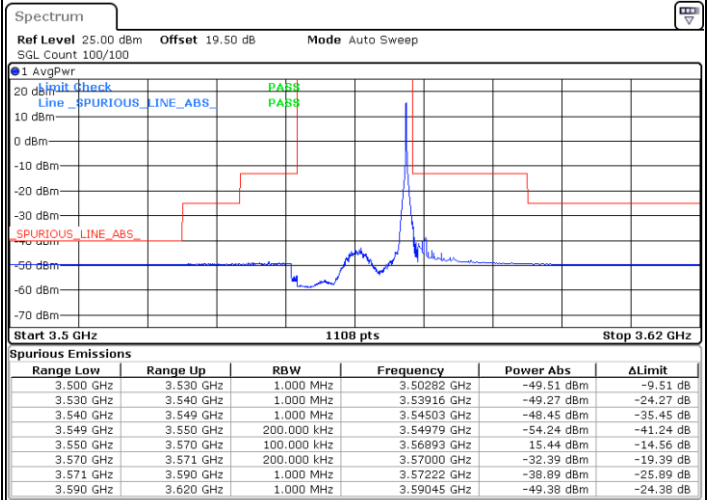
64QAM

Lowest Channel / 1RB0



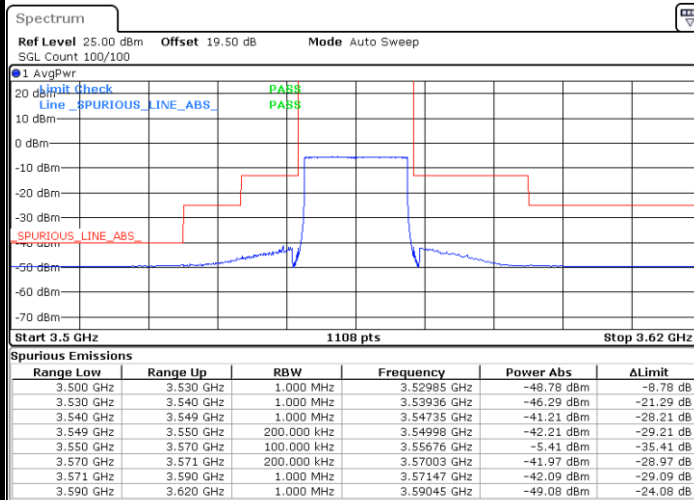
Date: 27 JUL 2024 21:18:28

Lowest Channel / 1RBmax



Date: 27 JUL 2024 21:20:13

Lowest Channel / FullIRB



Date: 27 JUL 2024 21:29:01

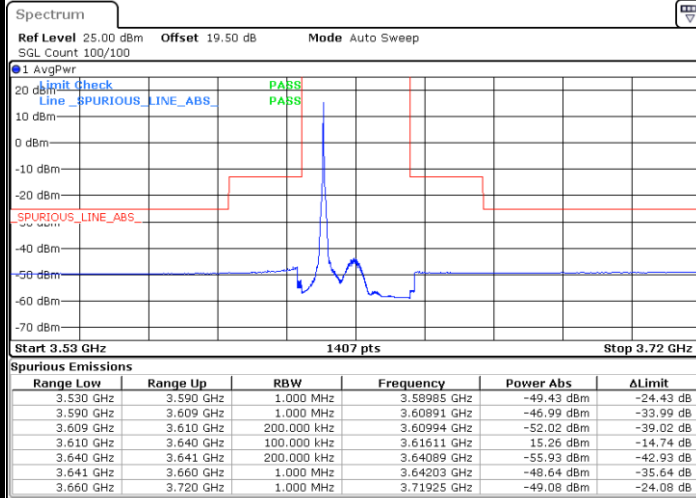
N/A



LTE Band 48 / 20MHz

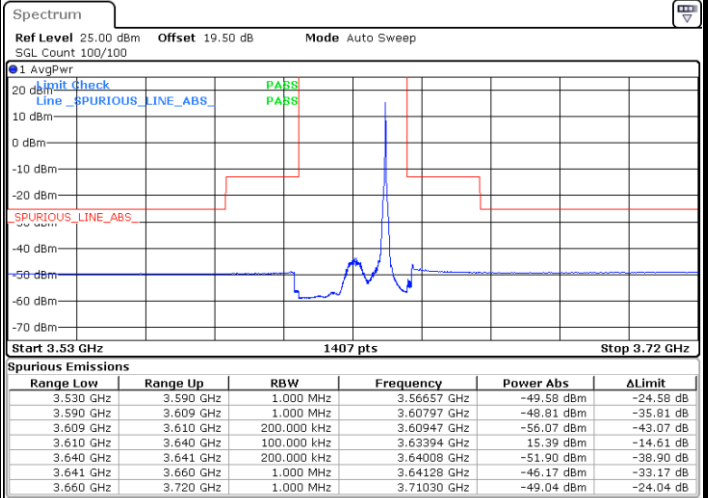
64QAM

Middle Channel / 1RB0



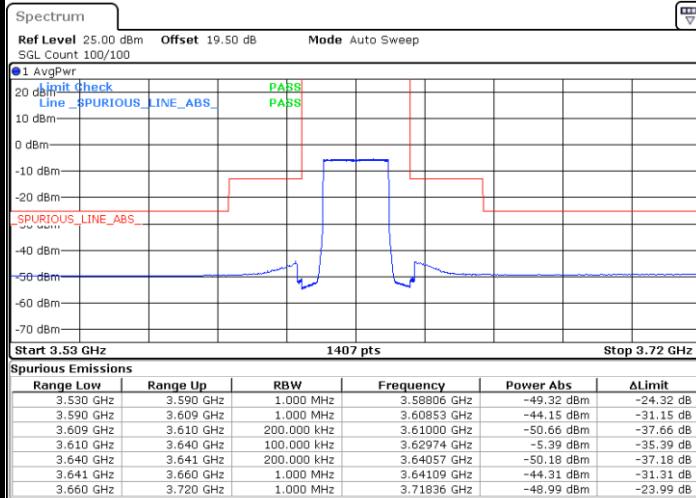
Date: 27 JUL 2024 21:50:55

Middle Channel / 1RBmax



Date: 27 JUL 2024 21:49:11

Middle Channel / FullRB



Date: 27 JUL 2024 21:40:28

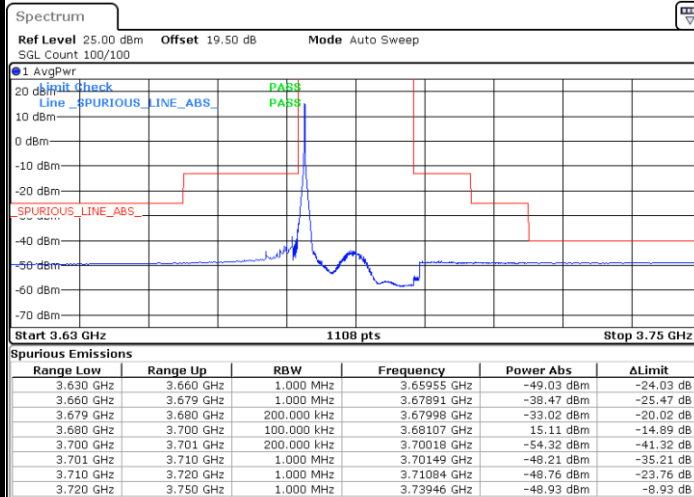
N/A



LTE Band 48 / 20MHz

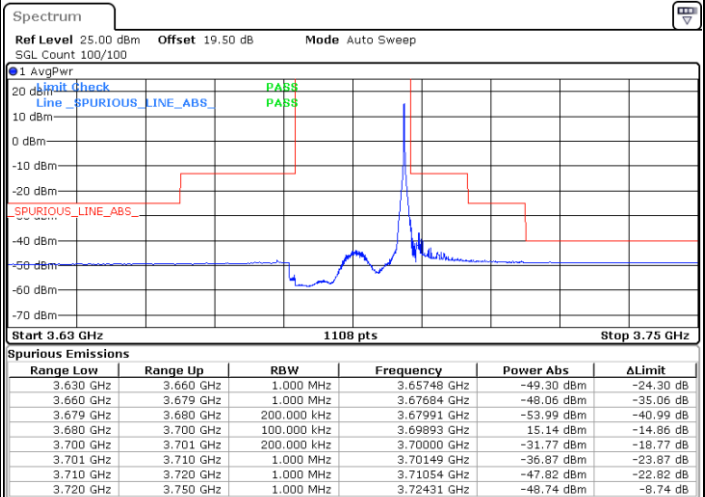
64QAM

Highest Channel / 1RB0



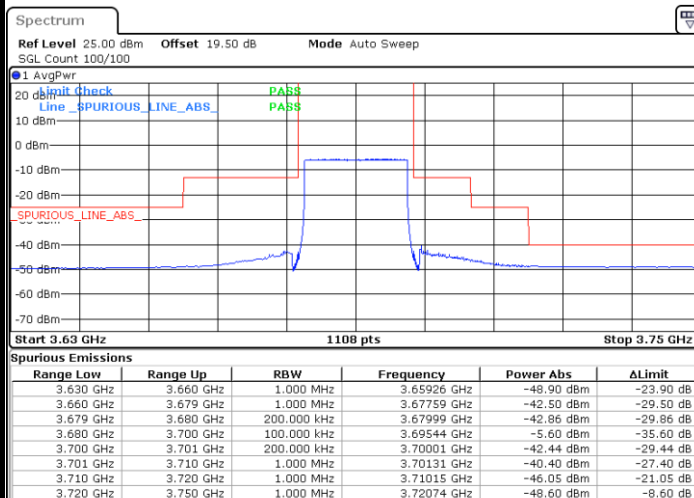
Date: 27 JUL 2024 22:12:03

Highest Channel / 1RBmax



Date: 27 JUL 2024 22:13:48

Highest Channel / FullRB



Date: 27 JUL 2024 22:22:33

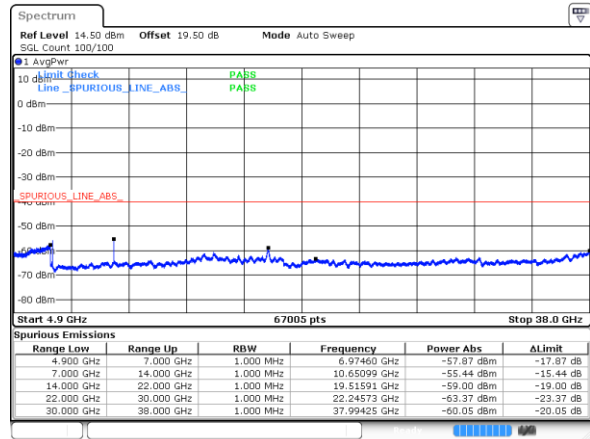
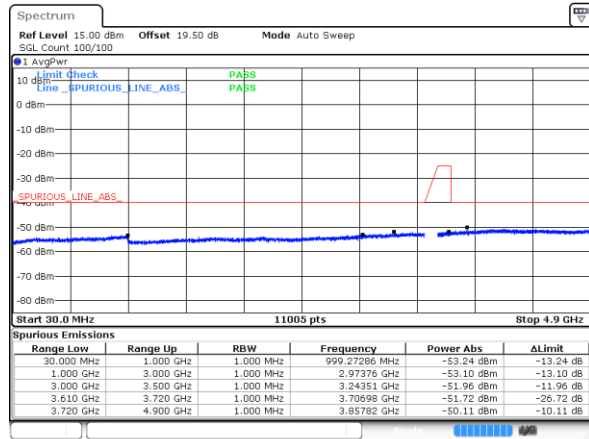
N/A



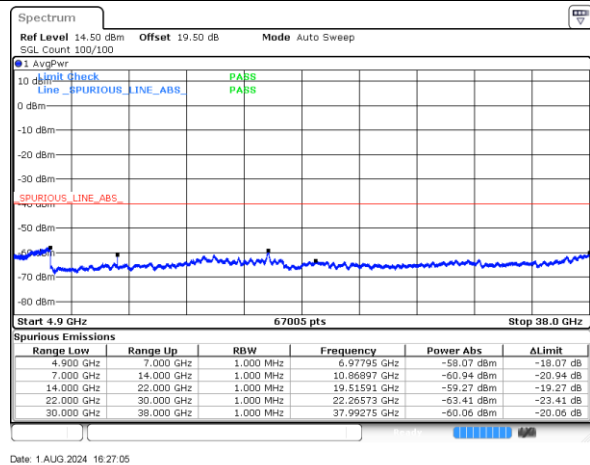
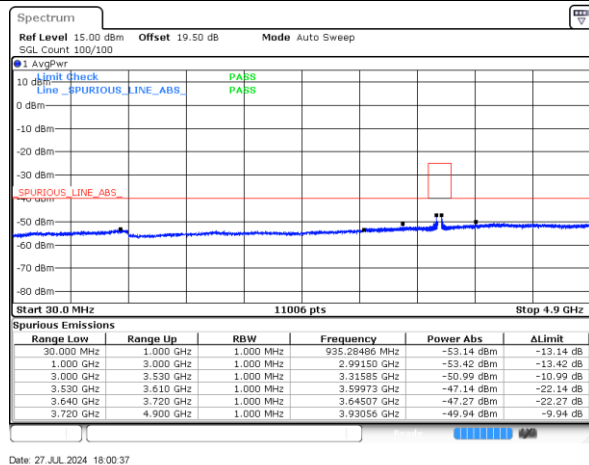
Conducted Spurious Emission

LTE Band 48 / 5MHz

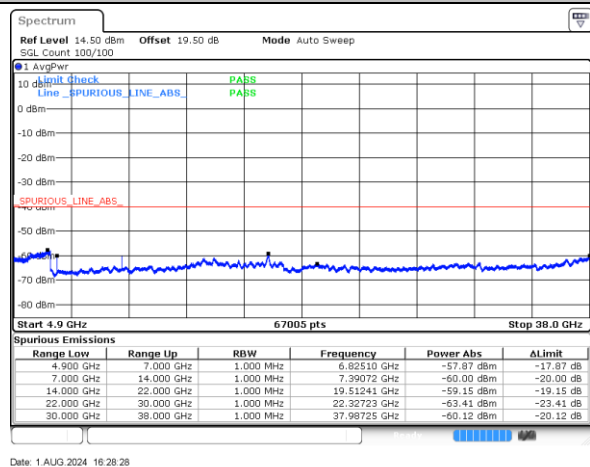
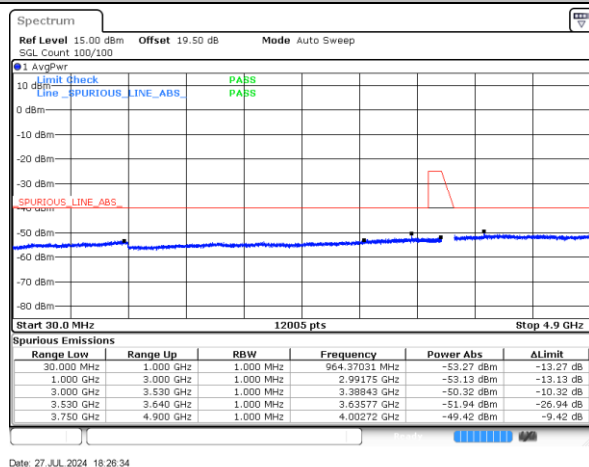
Lowest Channel / QPSK



Middle Channel / QPSK



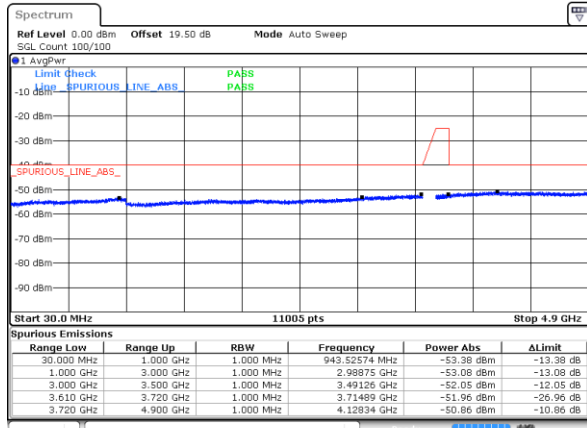
Highest Channel / QPSK



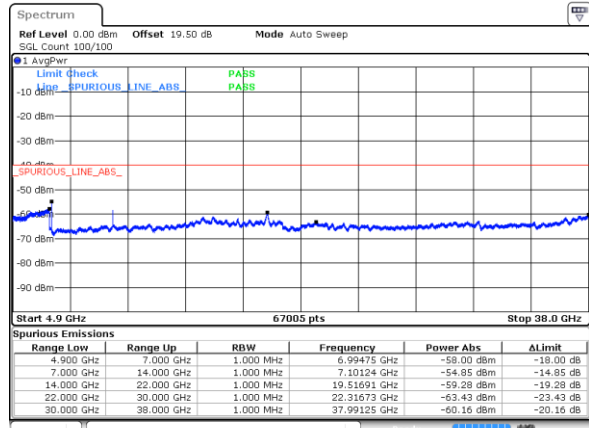


LTE Band 48 / 10MHz

Lowest Channel / QPSK

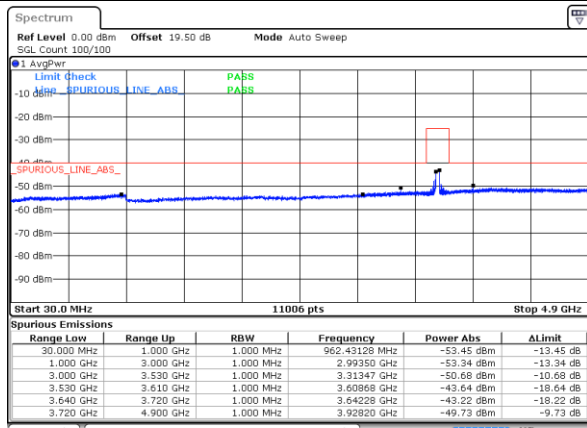


Date: 27 JUL 2024 18:52:55

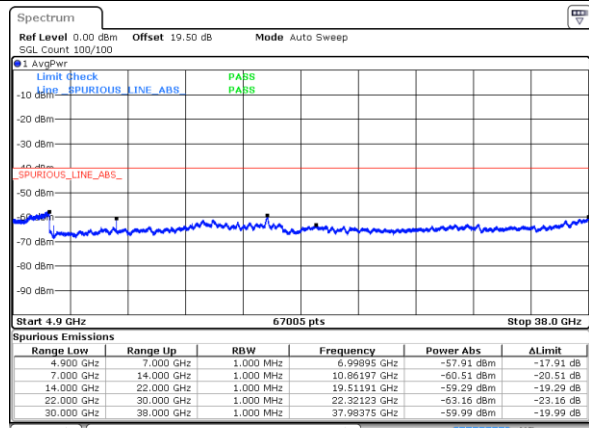


Date: 1 AUG 2024 16:30:35

Middle Channel / QPSK

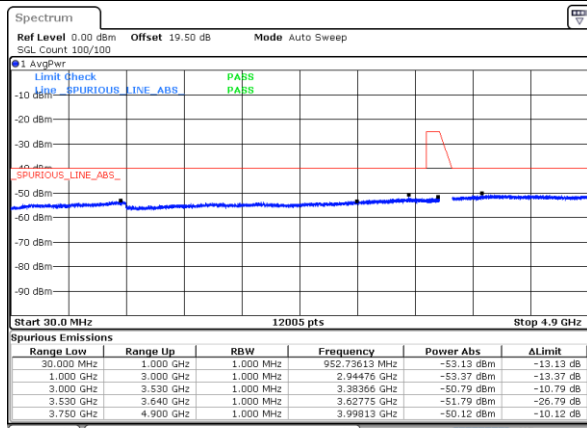


Date: 27 JUL 2024 19:19:46

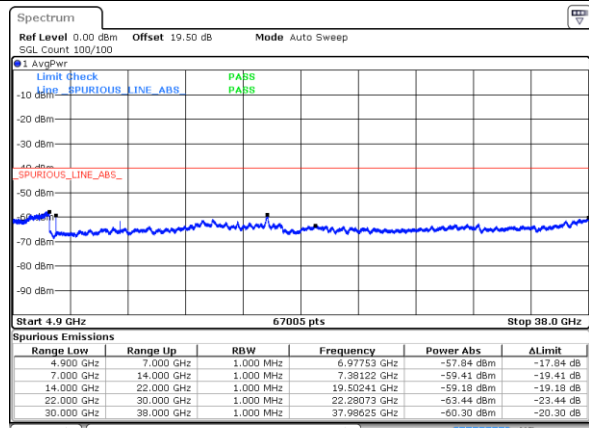


Date: 1 AUG 2024 16:32:55

Highest Channel / QPSK



Date: 27 JUL 2024 19:45:31

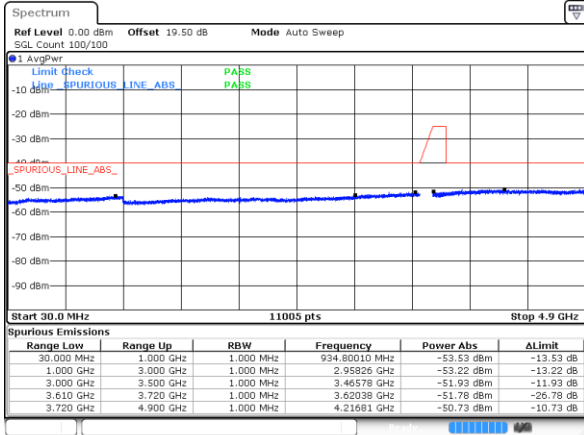


Date: 1 AUG 2024 16:34:19

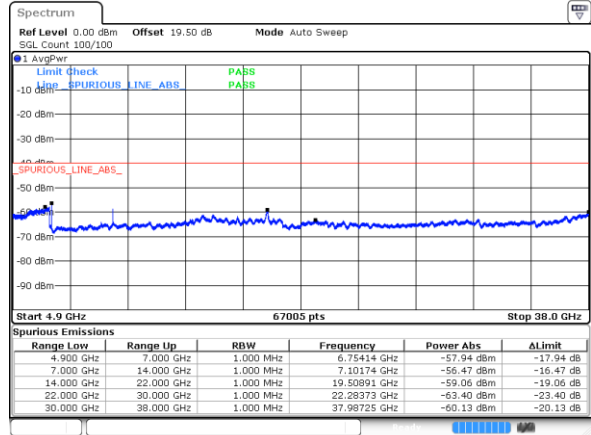


LTE Band 48 / 15MHz

Lowest Channel / QPSK

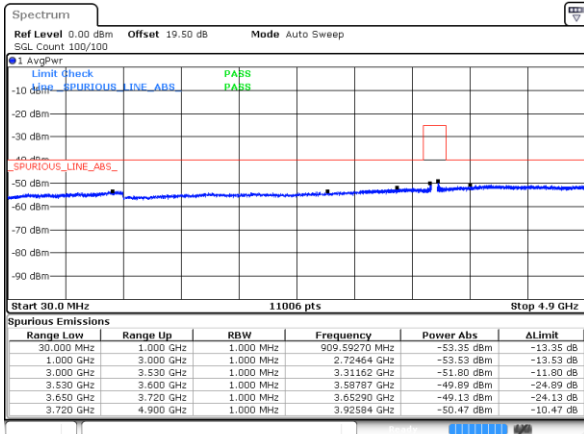


Date: 27 JUL 2024 20:11:54

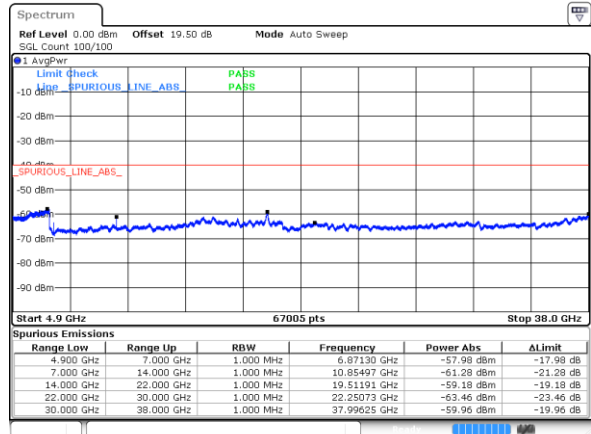


Date: 1 AUG 2024 16:36:23

Middle Channel / QPSK

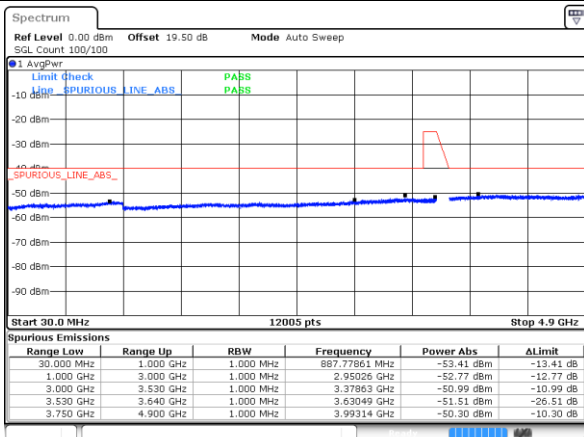


Date: 27 JUL 2024 20:38:42

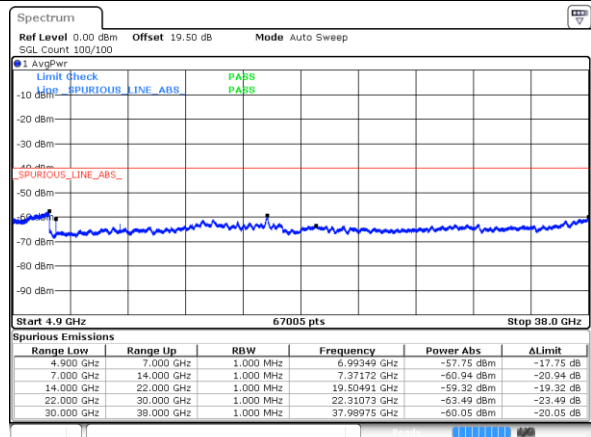


Date: 1 AUG 2024 16:37:48

Highest Channel / QPSK



Date: 27 JUL 2024 21:04:27

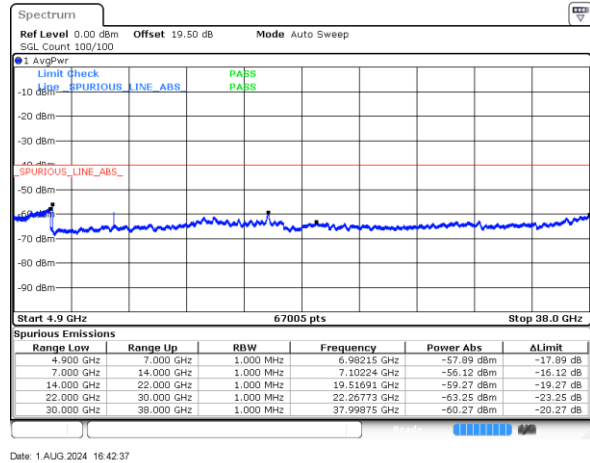
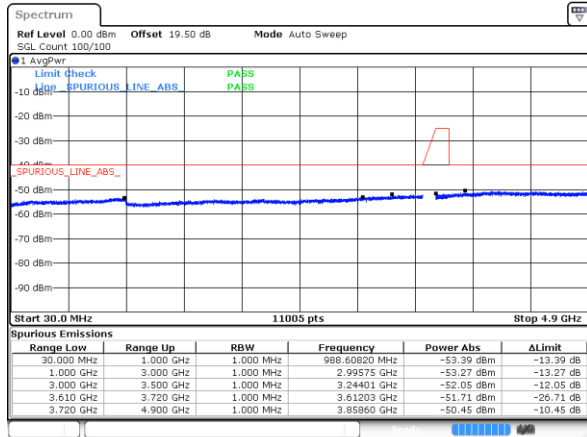


Date: 1 AUG 2024 16:38:15

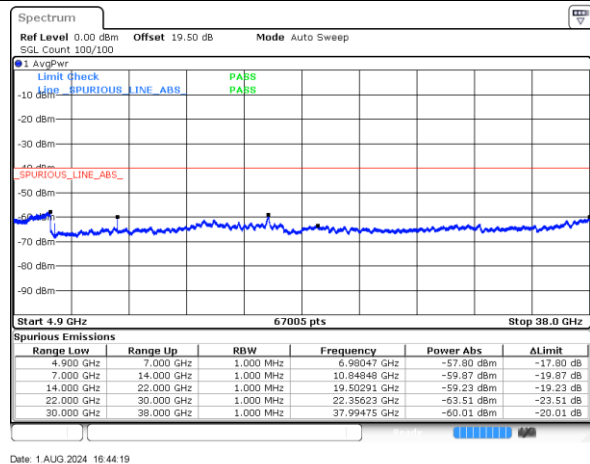
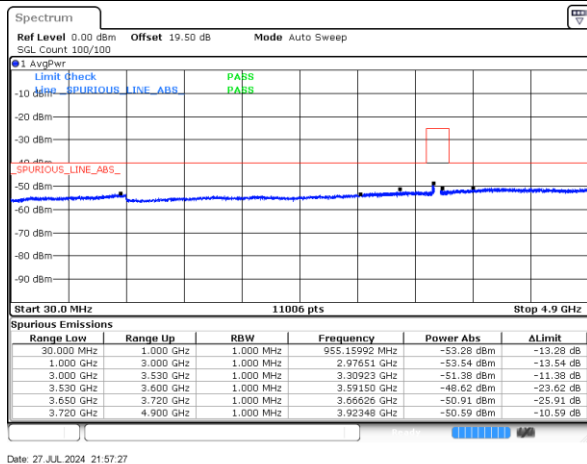


LTE Band 48 / 20MHz

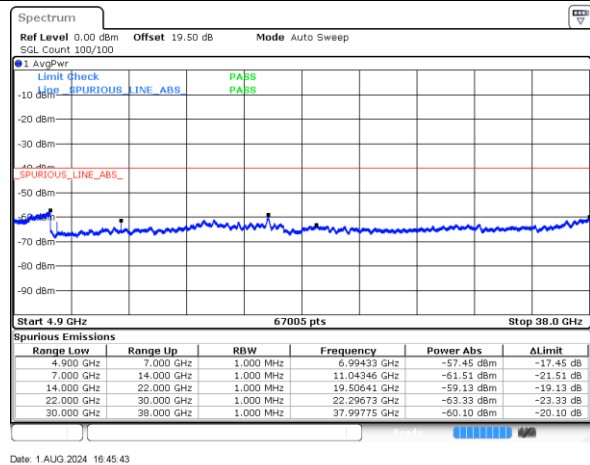
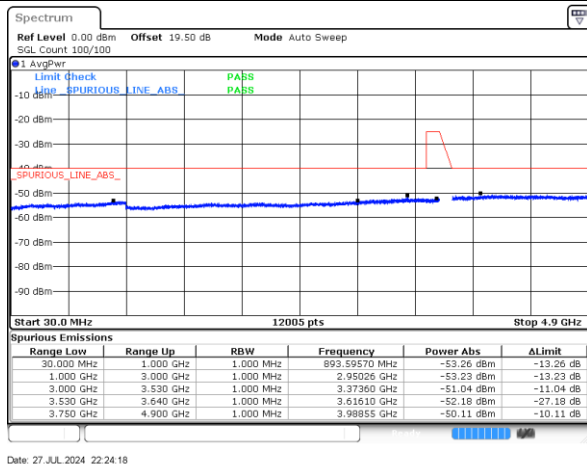
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0009	

Note:

1. Normal Voltage = 5 V. ; Minimum Voltage = 4.75 V. ; Maximum Voltage = 5.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	ShunPing You	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 48 / 20MHz / QPSK_Ant4									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7232.00	-57.53	-40	-17.53	-51.20	-60.83	8.30	11.60	H
	10848.00	-53.72	-40	-13.72	-53.97	-55.24	10.48	12.00	H
	14464.00	-50.46	-40	-10.46	-56.73	-52.16	11.80	13.50	H
	7232.00	-55.18	-40	-15.18	-49.16	-58.48	8.30	11.60	V
	10848.00	-52.98	-40	-12.98	-52.86	-54.50	10.48	12.00	V
	14464.00	-50.55	-40	-10.55	-56.24	-52.25	11.80	13.50	V

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