

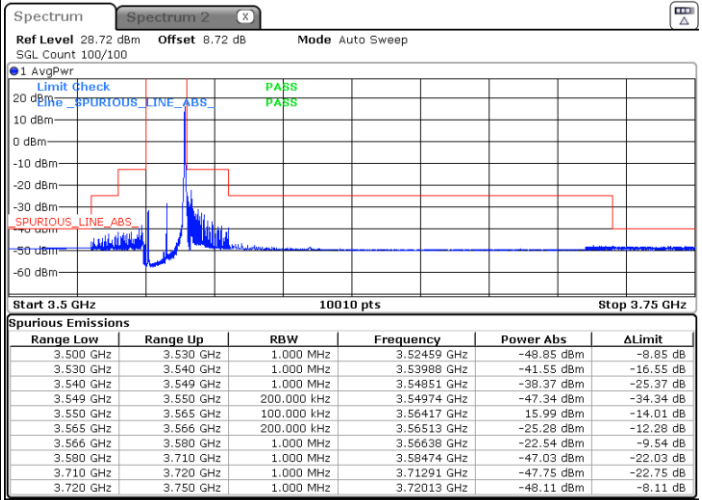
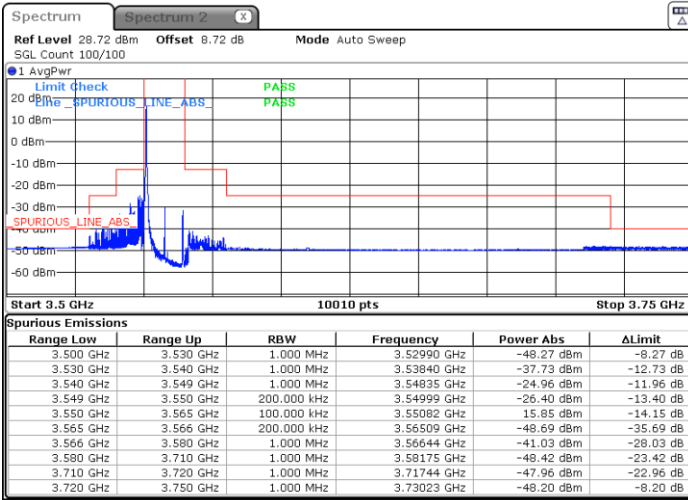


LTE Band 48 / 15MHz

256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

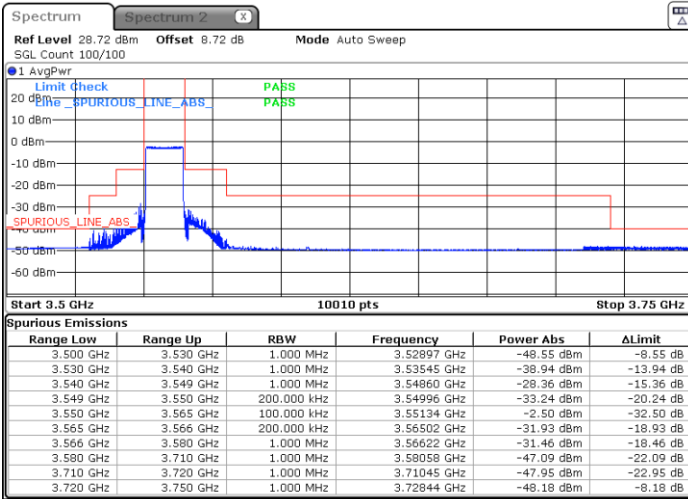


Date: 10.AUG.2023 01:05:27

Date: 10.AUG.2023 01:13:46

Lowest Channel / Full RB

N/A



Date: 10.AUG.2023 01:25:34

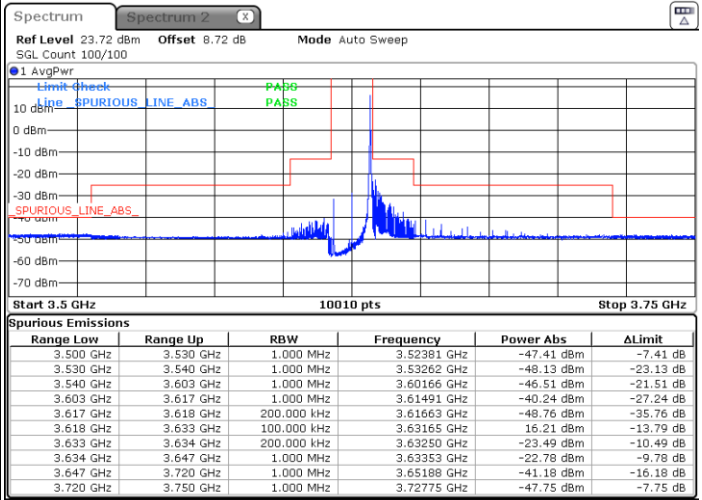
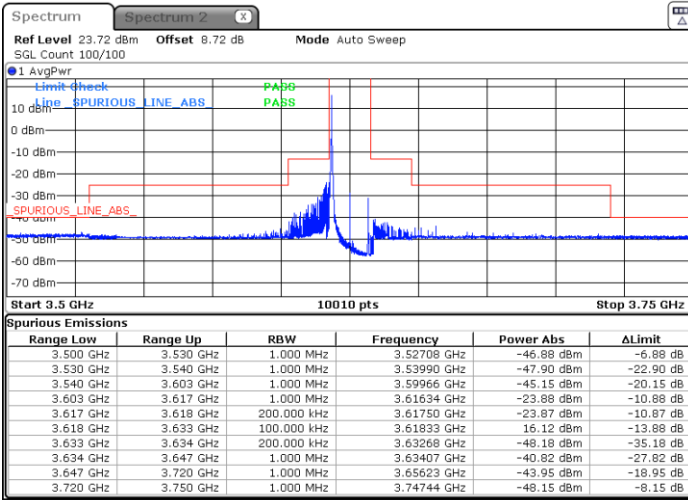


LTE Band 48 / 15MHz

256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

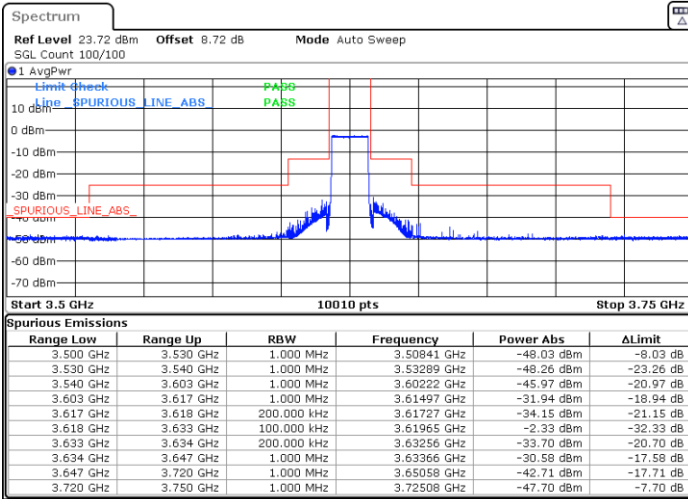


Date: 10.AUG.2023 01:35:29

Date: 10.AUG.2023 01:42:49

Middle Channel / Full

N/A



Date: 10.AUG.2023 22:53:56

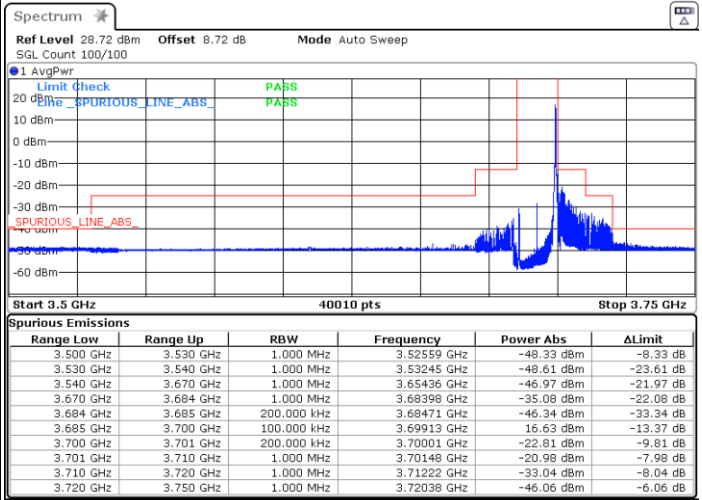
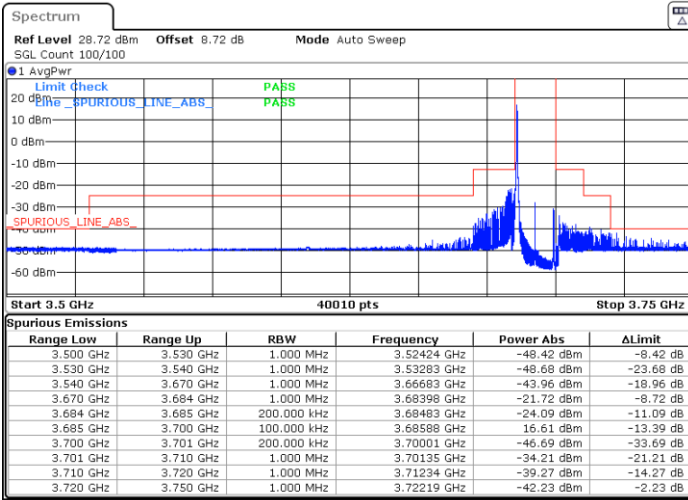


LTE Band 48 / 15MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

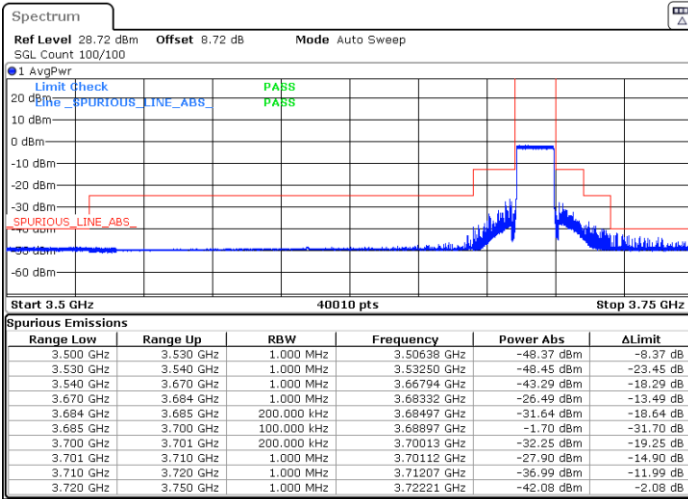


Date: 10.AUG.2023 23:11:24

Date: 11.AUG.2023 01:35:20

Highest Channel / Full RB

N/A



Date: 10.AUG.2023 23:35:59

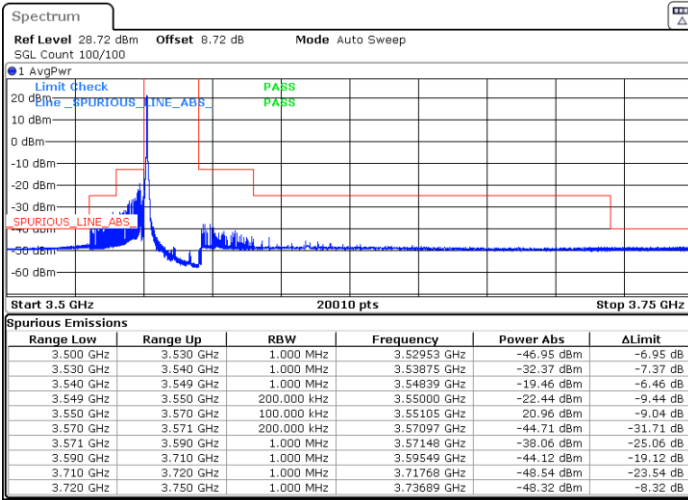


LTE Band 48 / 20MHz

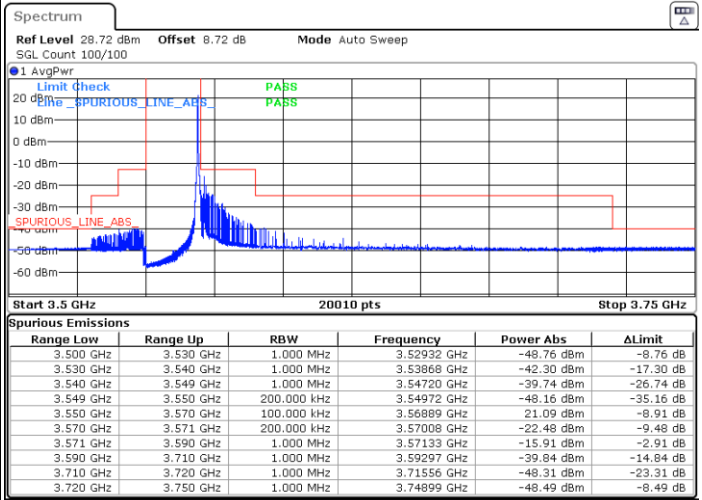
QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



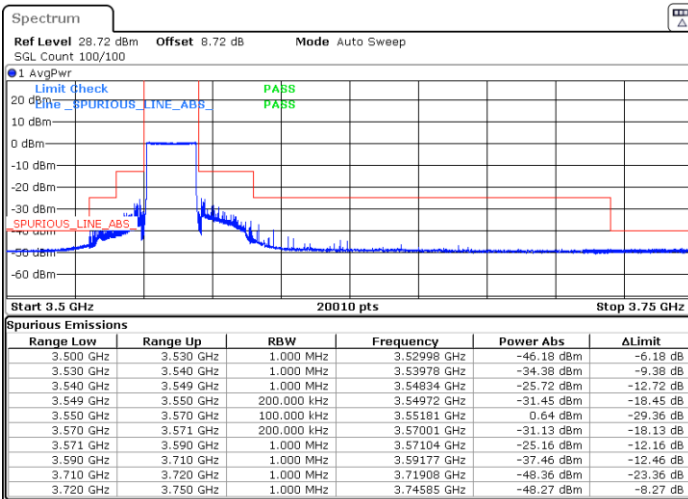
Date: 10.AUG.2023 23:39:56



Date: 10.AUG.2023 23:47:52

Lowest Channel / Full RB

N/A



Date: 10.AUG.2023 23:56:01

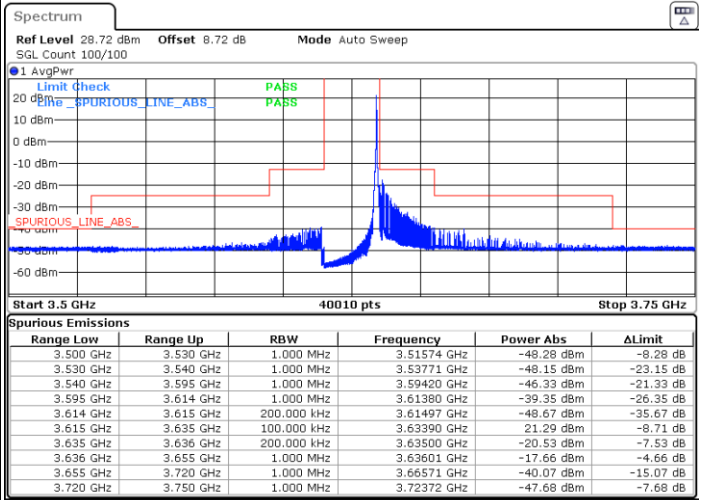
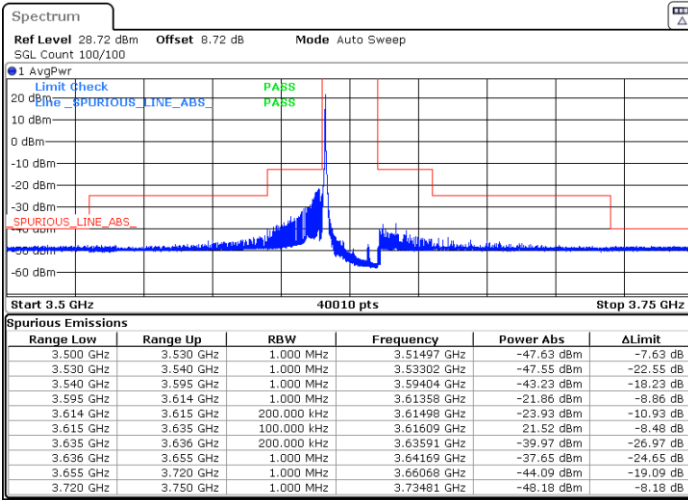


LTE Band 48 / 20MHz

QPSK

Middle Channel / 1RB0

Middle Channel / 1RBmax

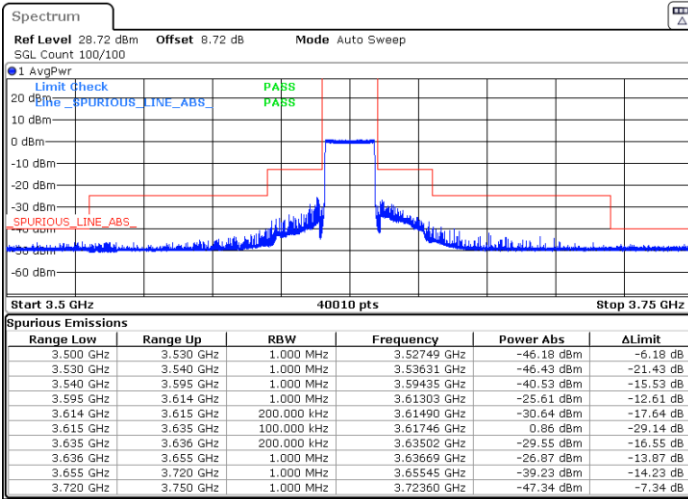


Date: 11.AUG.2023 00:41:37

Date: 11.AUG.2023 00:49:06

Middle Channel / Full

N/A



Date: 11.AUG.2023 00:56:33

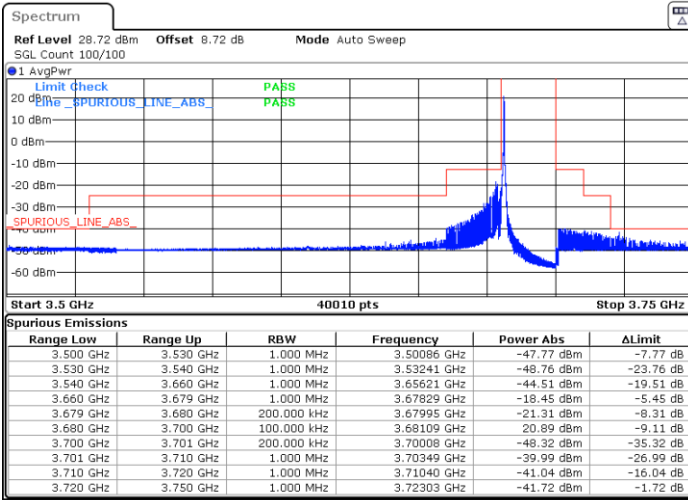


LTE Band 48 / 20MHz

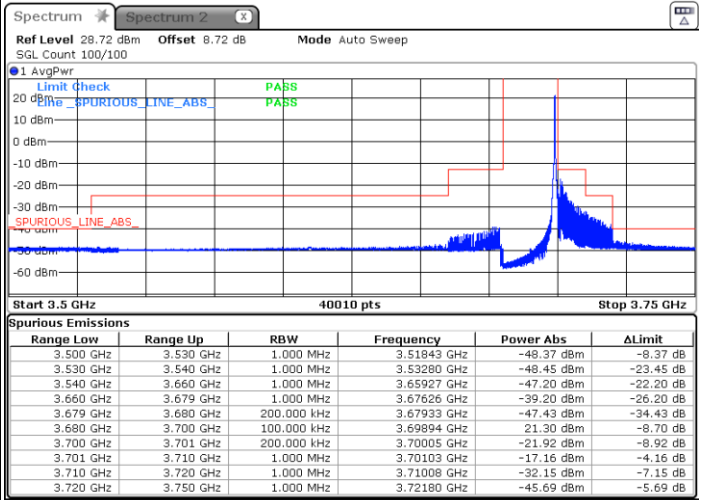
QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax



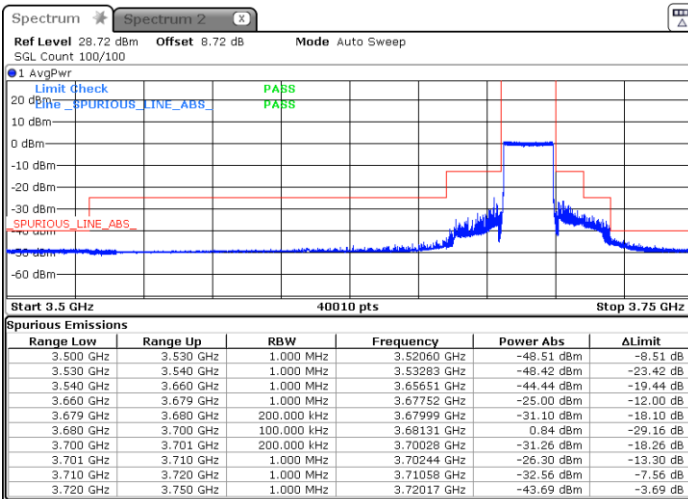
Date: 11.AUG.2023 01:05:40



Date: 11.AUG.2023 20:16:17

Highest Channel / Full RB

N/A



Date: 11.AUG.2023 20:34:57

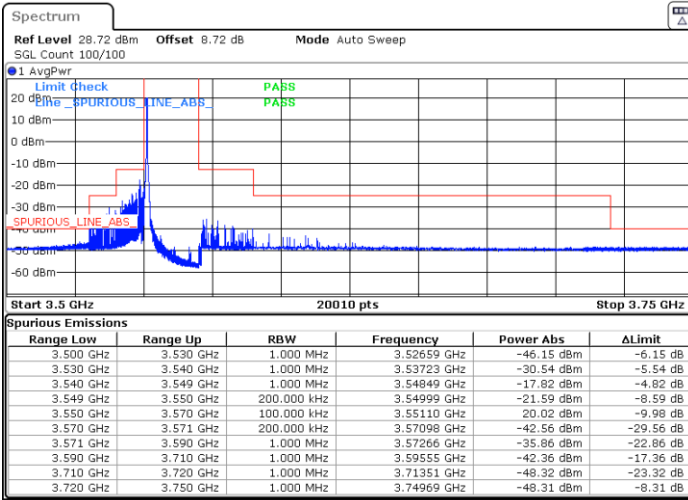


LTE Band 48 / 20MHz

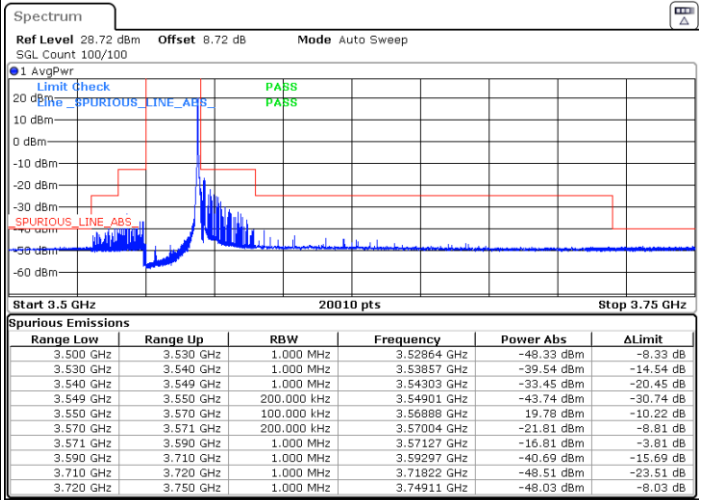
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



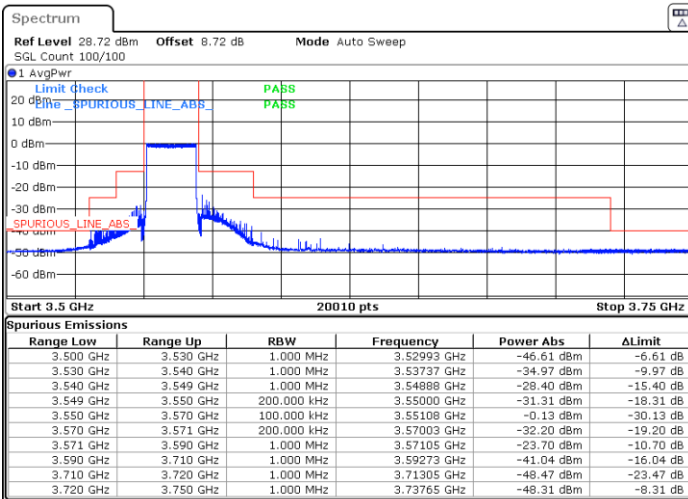
Date: 10.AUG.2023 23:41:55



Date: 10.AUG.2023 23:49:57

Lowest Channel / Full RB

N/A



Date: 10.AUG.2023 23:58:03

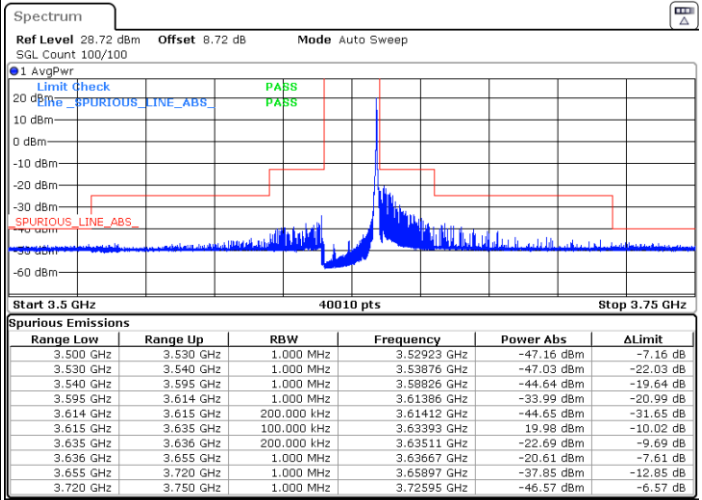
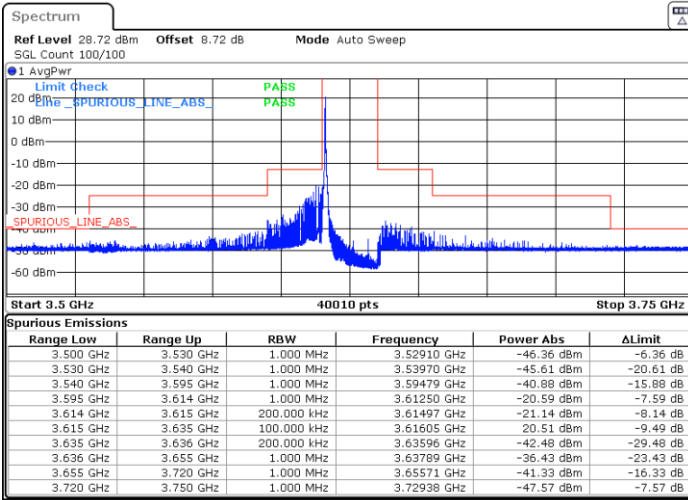


LTE Band 48 / 20MHz

16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

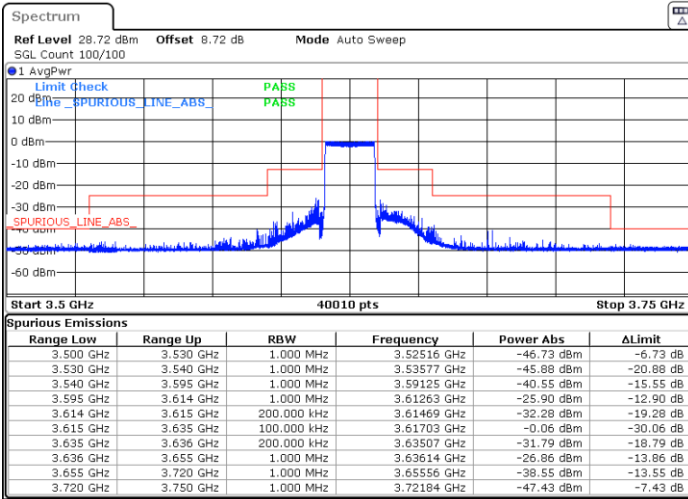


Date: 11.AUG.2023 00:43:29

Date: 11.AUG.2023 00:50:58

Middle Channel / Full

N/A



Date: 11.AUG.2023 00:58:25

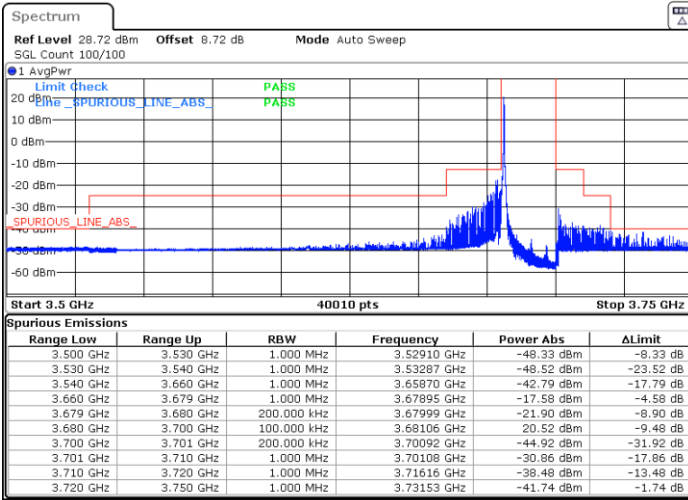


LTE Band 48 / 20MHz

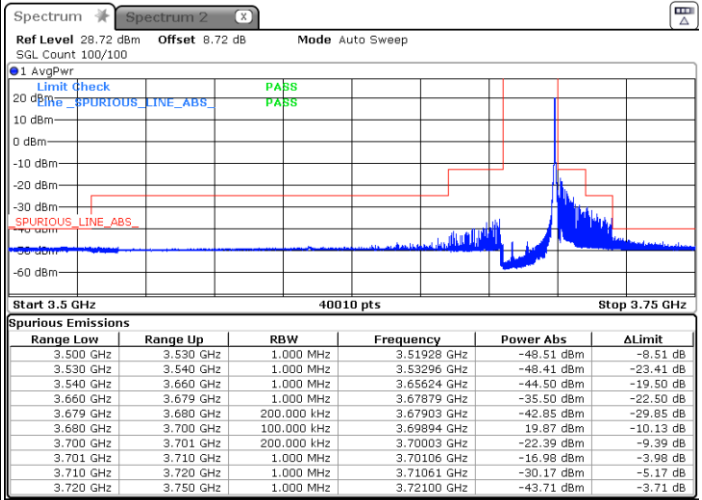
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



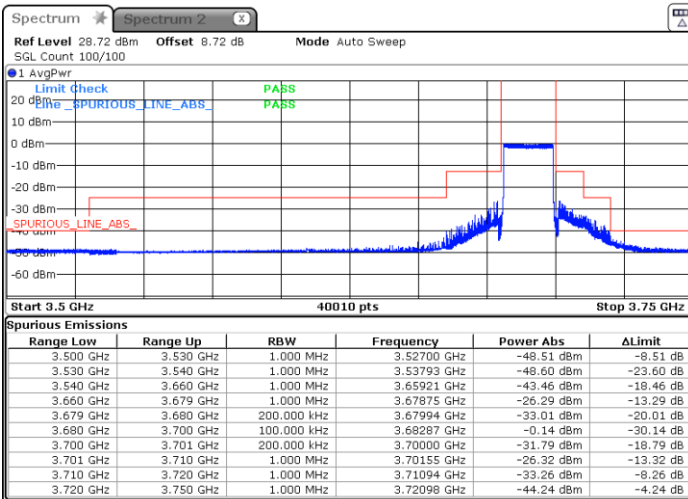
Date: 11.AUG.2023 01:07:42



Date: 11.AUG.2023 20:21:26

Highest Channel / Full RB

N/A



Date: 11.AUG.2023 20:38:35

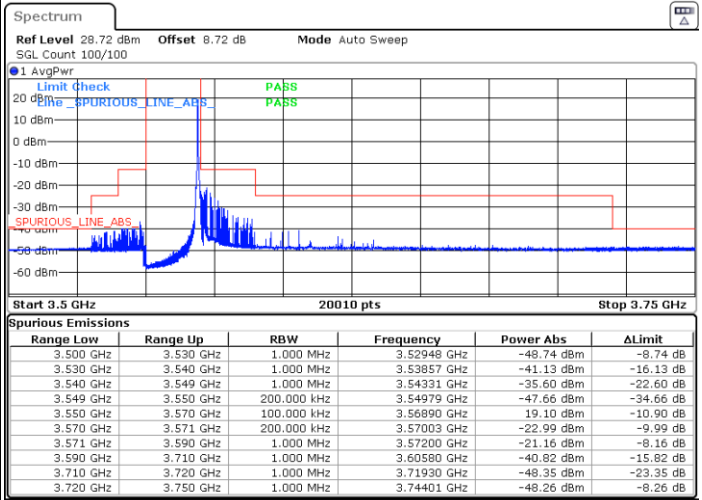
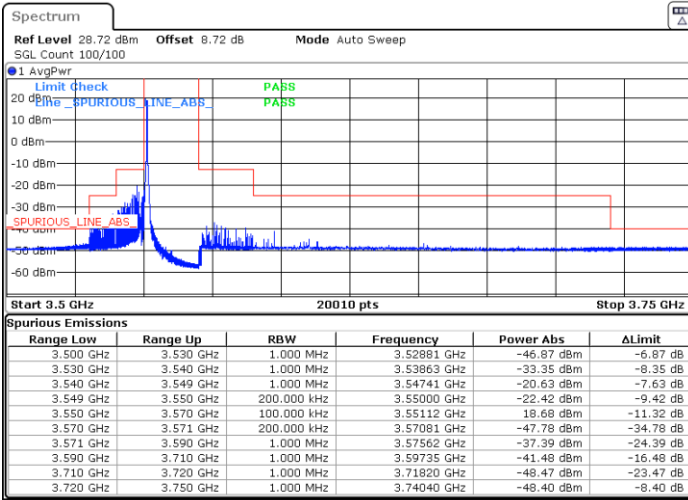


LTE Band 48 / 20MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

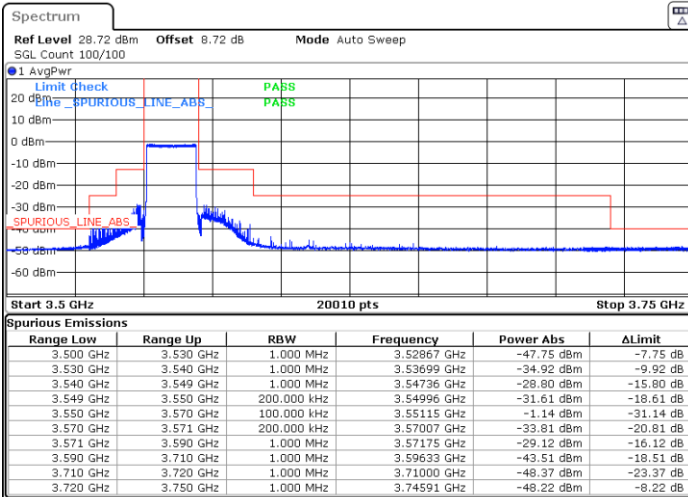


Date: 10.AUG.2023 23:44:02

Date: 10.AUG.2023 23:51:52

Lowest Channel / Full RB

N/A



Date: 10.AUG.2023 23:59:58

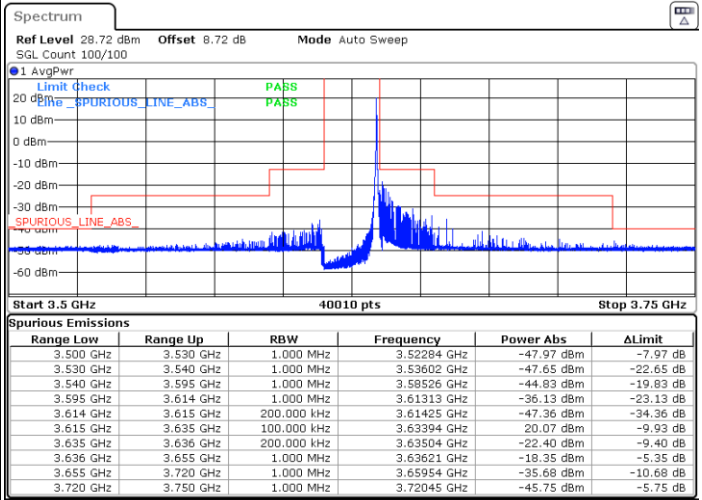
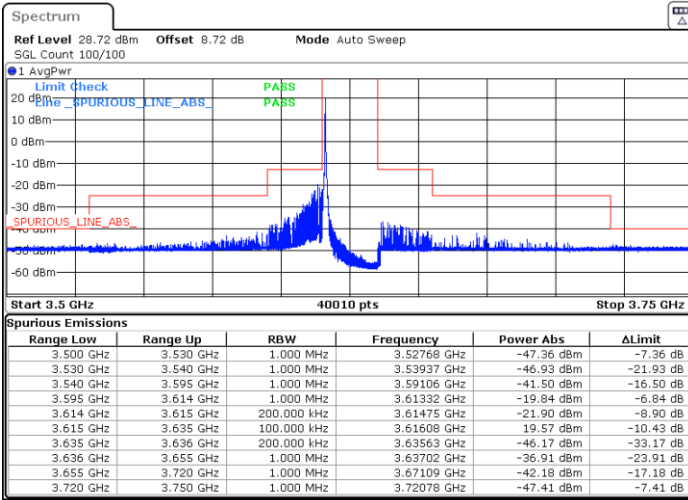


LTE Band 48 / 20MHz

64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

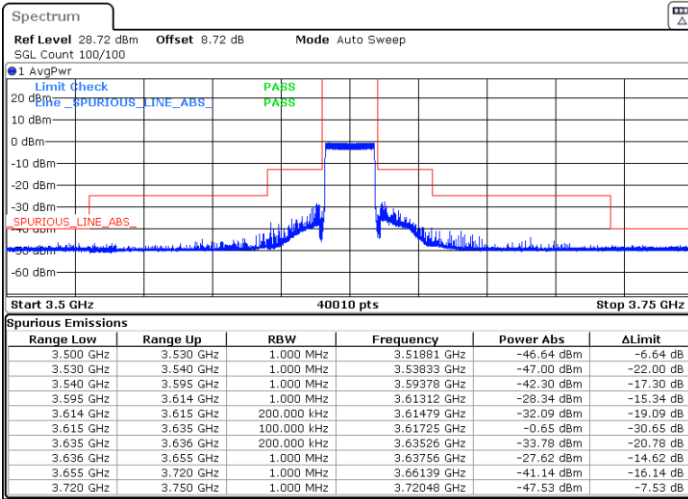


Date: 11.AUG.2023 00:45:22

Date: 11.AUG.2023 00:52:49

Middle Channel / Full

N/A



Date: 11.AUG.2023 01:00:16

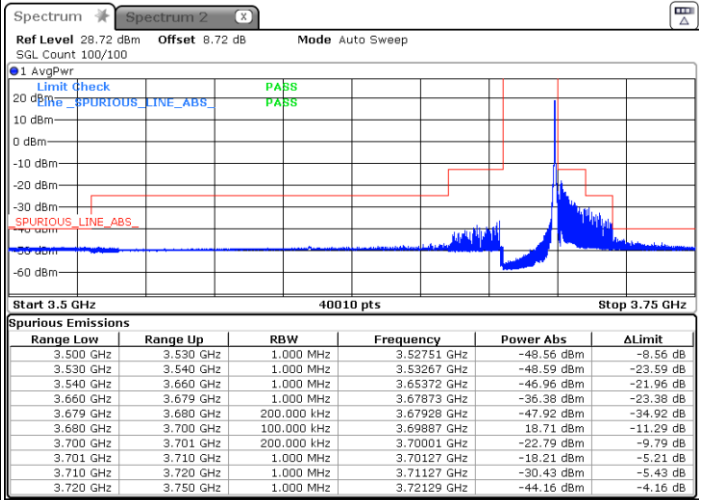
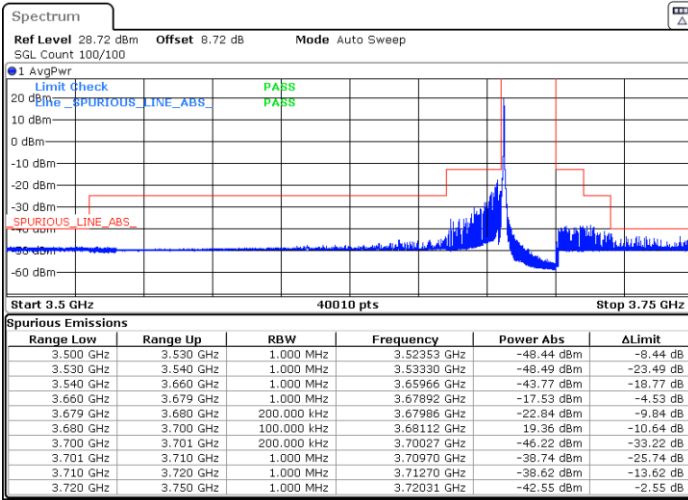


LTE Band 48 / 20MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

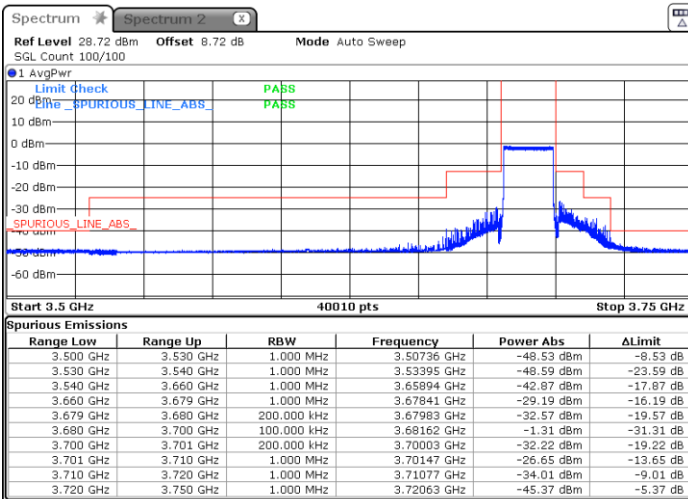


Date: 11.AUG.2023 01:09:43

Date: 11.AUG.2023 20:26:20

Highest Channel / Full RB

N/A



Date: 11.AUG.2023 20:42:27

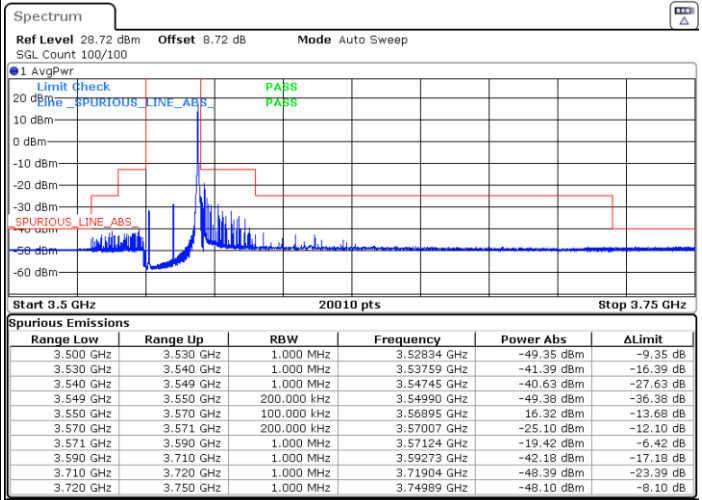
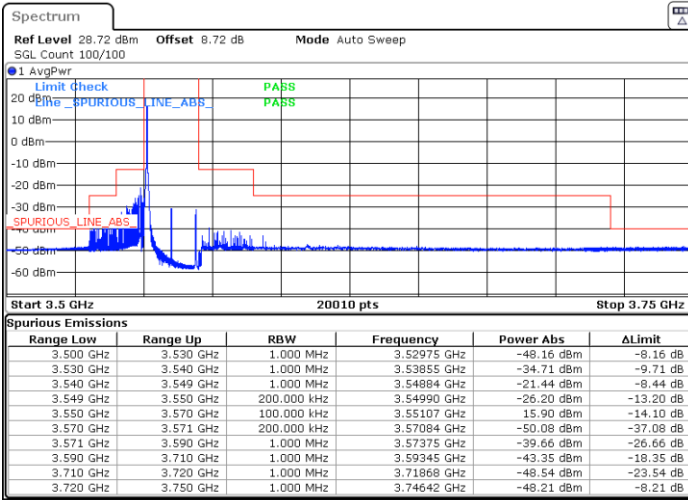


LTE Band 48 / 20MHz

256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

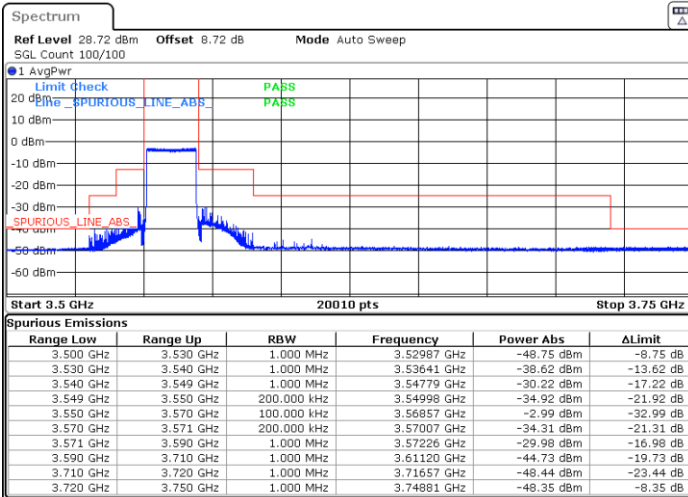


Date: 10.AUG.2023 23:45:57

Date: 10.AUG.2023 23:53:47

Lowest Channel / Full RB

N/A



Date: 11.AUG.2023 01:32:05

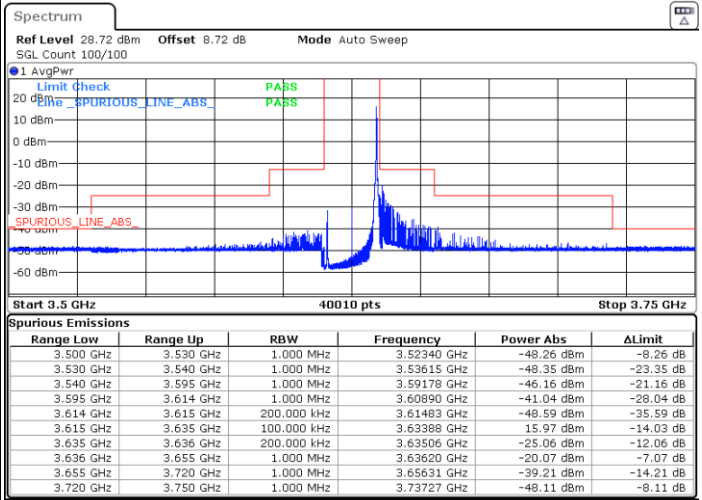
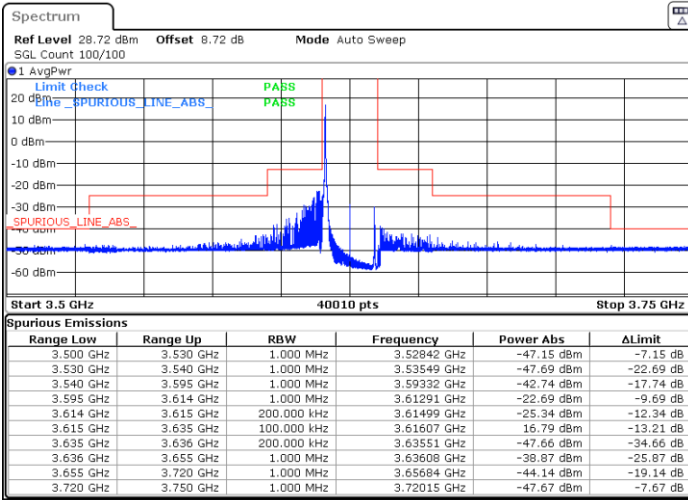


LTE Band 48 / 20MHz

256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

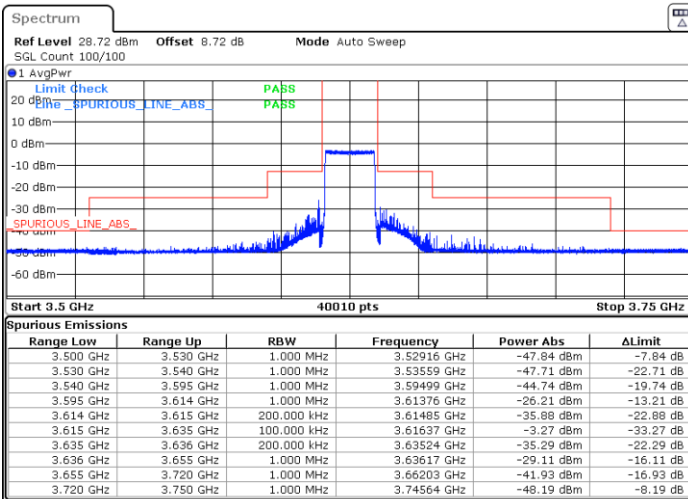


Date: 11.AUG.2023 00:47:14

Date: 11.AUG.2023 00:54:41

Middle Channel / Full

N/A



Date: 11.AUG.2023 01:02:08

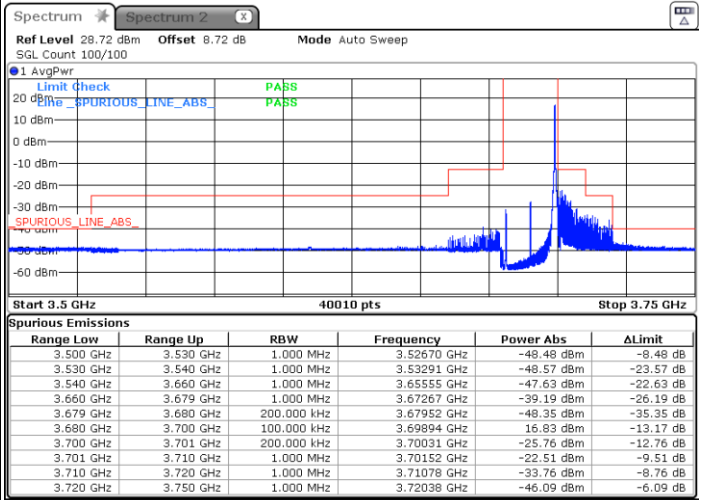
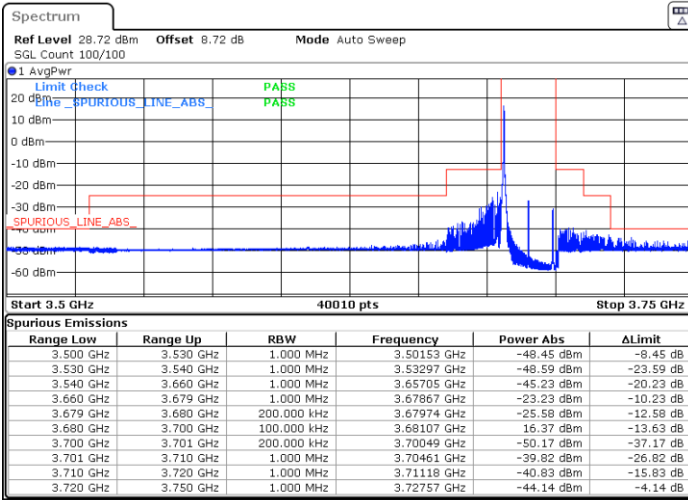


LTE Band 48 / 20MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

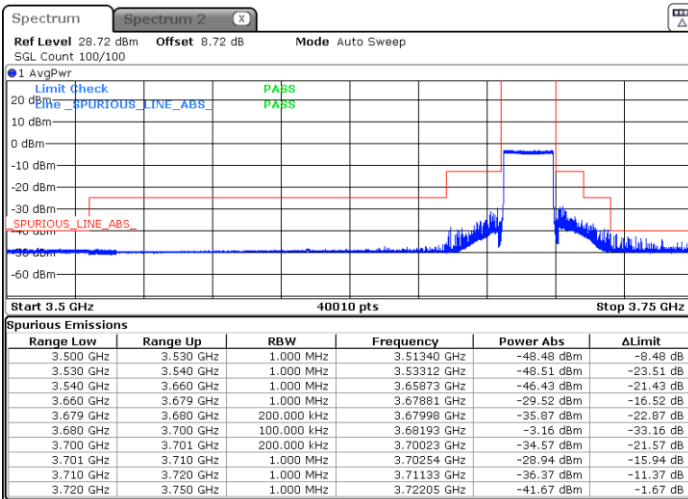


Date: 11.AUG.2023 01:11:45

Date: 11.AUG.2023 20:30:42

Highest Channel / Full RB

N/A



Date: 11.AUG.2023 20:47:03



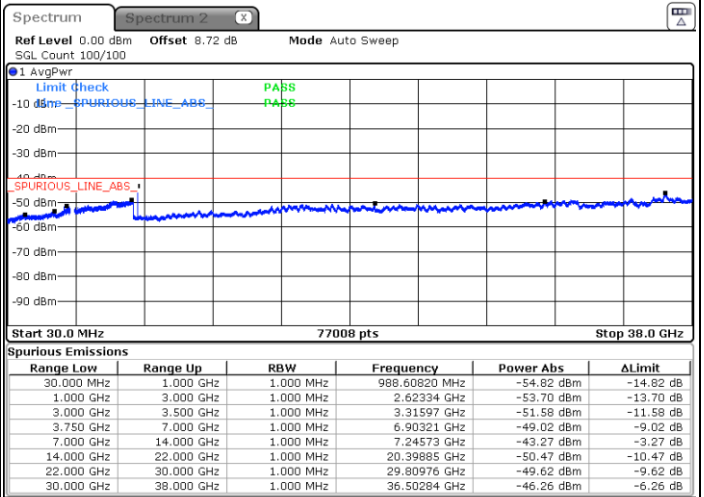
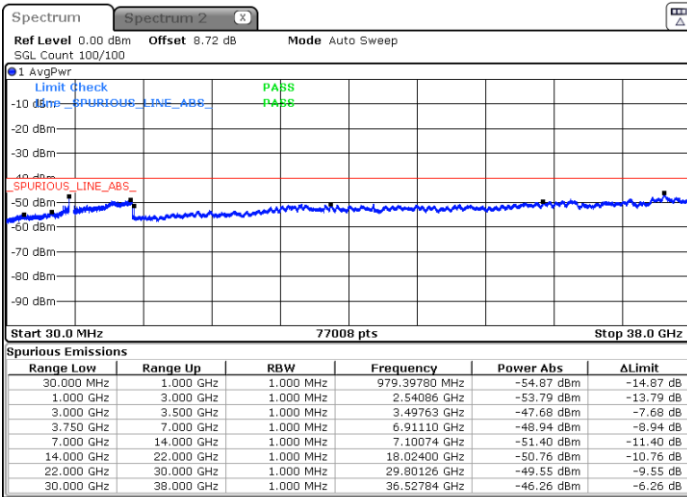
Conducted Spurious Emission

LTE Band 48 / 5MHz

QPSK / 1RB0

Lowest Channel

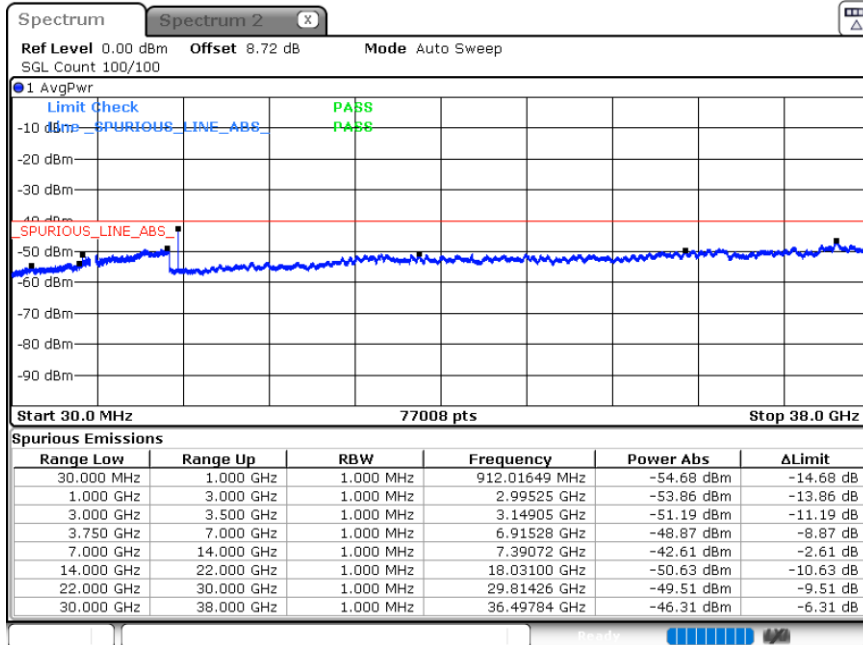
Middle Channel



Date: 9.AUG.2023 22:04:53

Date: 9.AUG.2023 22:27:32

Highest Channel



Date: 9.AUG.2023 22:46:52

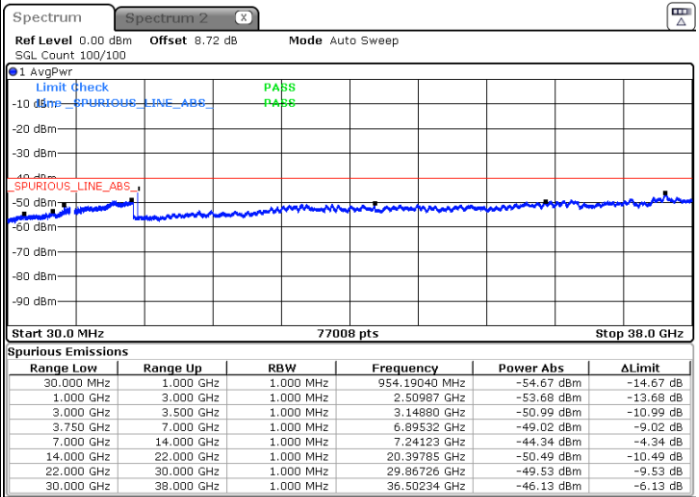
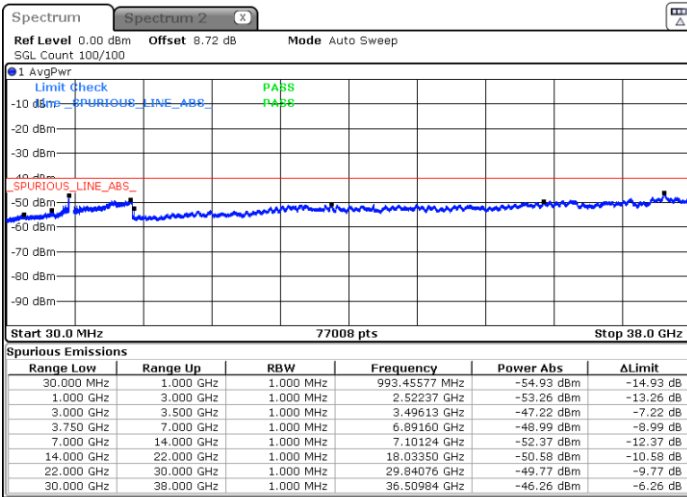


LTE Band 48 / 10MHz

QPSK / 1RB0

Lowest Channel

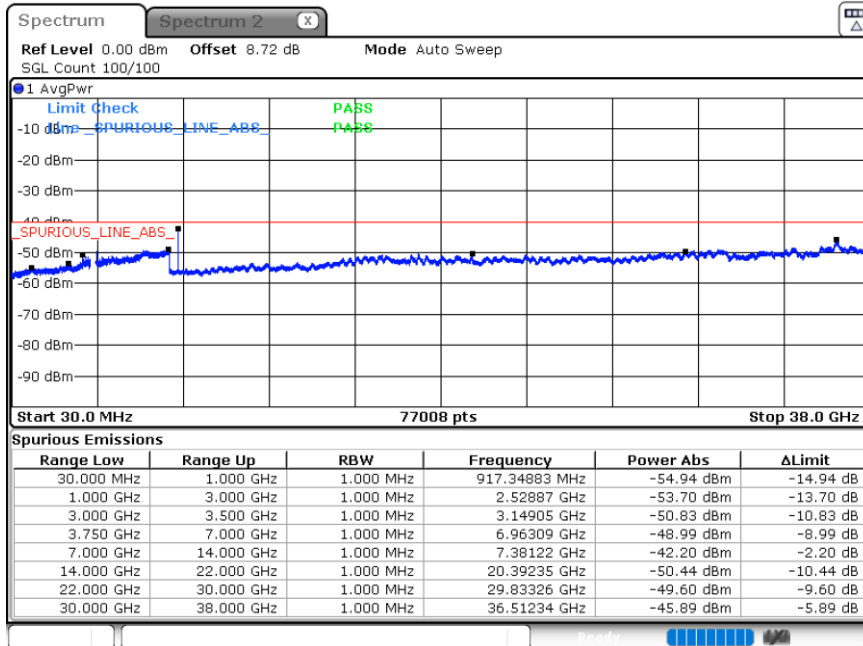
Middle Channel



Date: 9.AUG.2023 23:27:14

Date: 9.AUG.2023 23:47:57

Highest Channel



Date: 10.AUG.2023 00:30:29

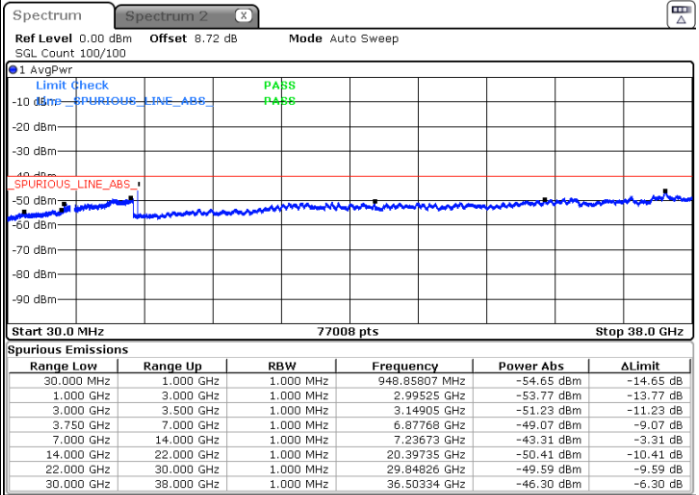
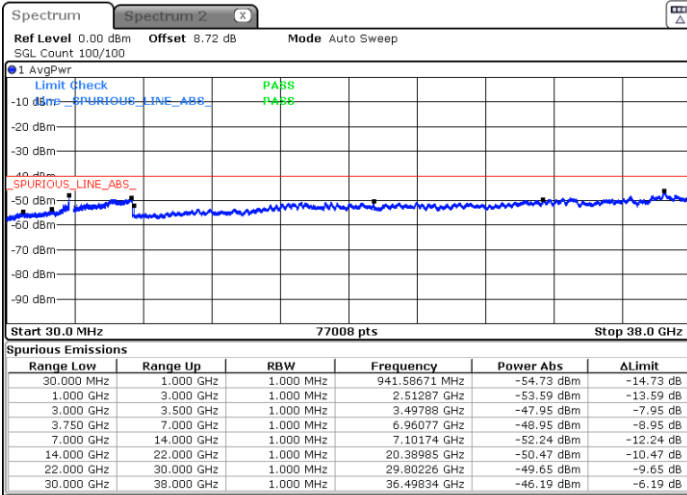


LTE Band 48 / 15MHz

QPSK / 1RB0

Lowest Channel

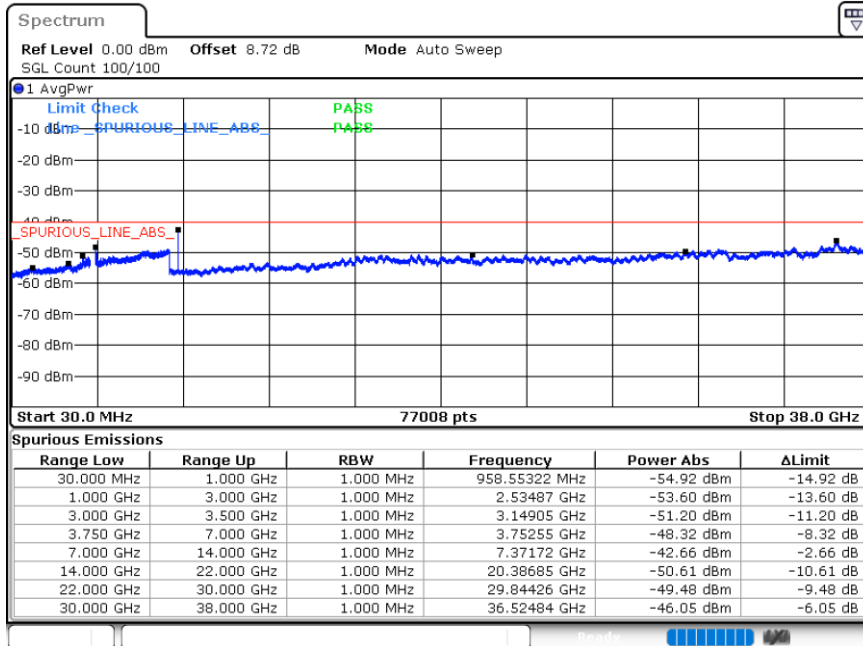
Middle Channel



Date: 10.AUG.2023 00:52:27

Date: 10.AUG.2023 01:28:08

Highest Channel



Date: 12.AUG.2023 10:09:28

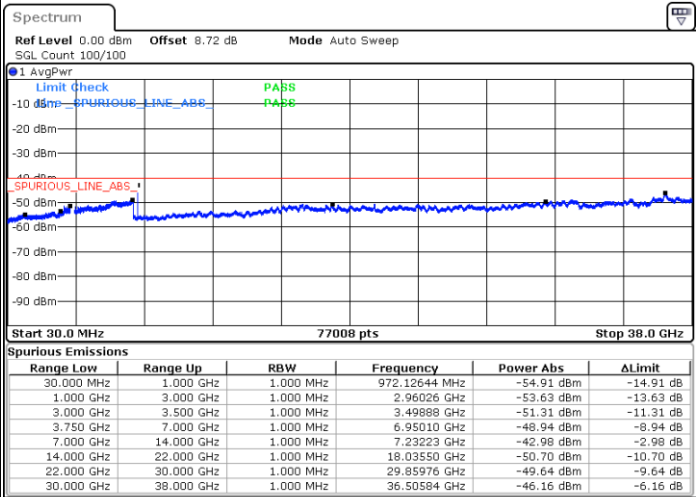
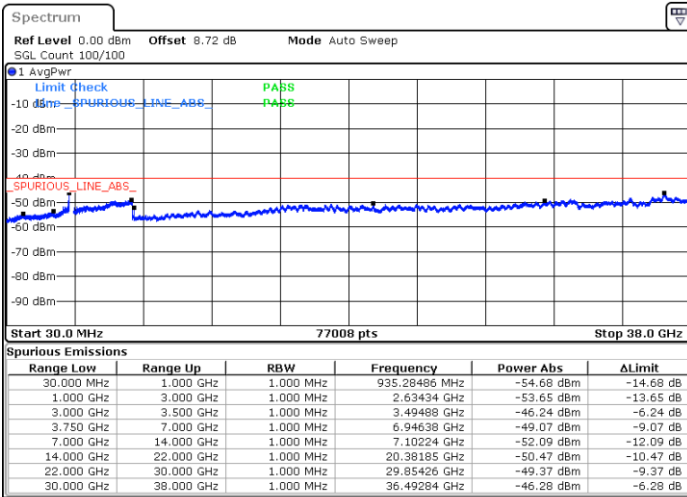


LTE Band 48 / 20MHz

QPSK / 1RB0

Lowest Channel

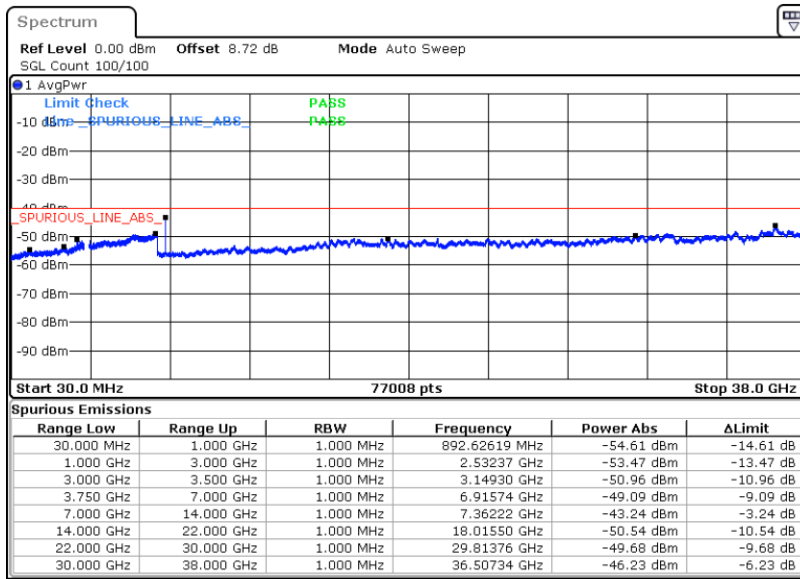
Middle Channel



Date: 12.AUG.2023 10:07:42

Date: 12.AUG.2023 10:05:59

Highest Channel



Date: 12.AUG.2023 10:03:54



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	0.0025	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0035	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.45V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

LTE Band 48 / 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	7104	-53.80	-40	-13.80	-65.26	2.84	14.30	H
	10656	-51.31	-40	-11.31	-61.25	3.49	13.43	H
	14208	-44.95	-40	-4.95	-55.19	3.85	14.09	H
	7104	-57.06	-40	-17.06	-68.52	2.84	14.30	V
	10656	-49.98	-40	-9.98	-59.92	3.49	13.43	V
	14208	-44.71	-40	-4.71	-54.95	3.85	14.09	V
Middle	7236	-56.70	-40	-16.70	-68.16	2.84	14.30	H
	10848	-49.05	-40	-9.05	-58.99	3.49	13.43	H
	14460	-44.80	-40	-4.80	-55.04	3.85	14.09	H
	7236	-57.27	-40	-17.27	-68.73	2.84	14.30	V
	10848	-43.04	-40	-3.04	-52.98	3.49	13.43	V
	14460	-44.38	-40	-4.38	-54.62	3.85	14.09	V
Highest	7368	-57.82	-40	-17.82	-69.28	2.84	14.30	H
	11040	-47.00	-40	-7.00	-56.94	3.49	13.43	H
	14724	-45.98	-40	-5.98	-56.22	3.85	14.09	H
	7368	-58.26	-40	-18.26	-69.72	2.84	14.30	V
	11040	-45.08	-40	-5.08	-55.02	3.49	13.43	V
	14724	-45.15	-40	-5.15	-55.39	3.85	14.09	V

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