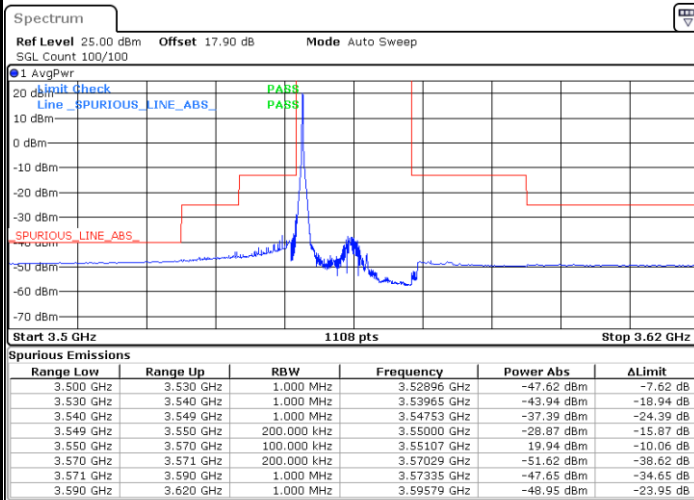




LTE Band 48 / 20MHz

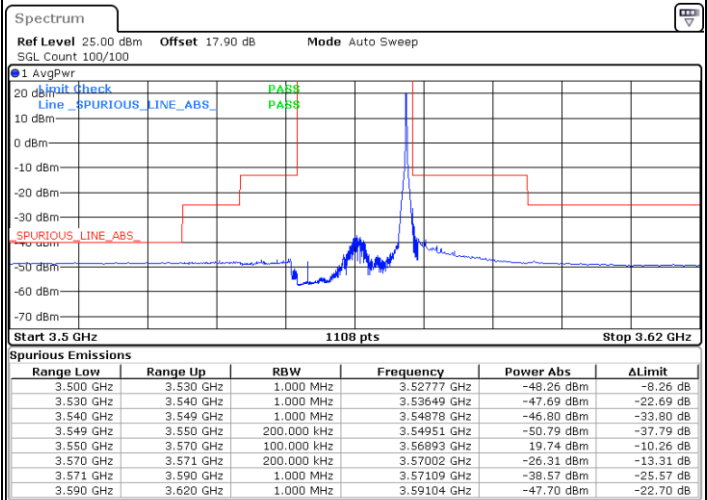
16QAM

Lowest Channel / 1RB0



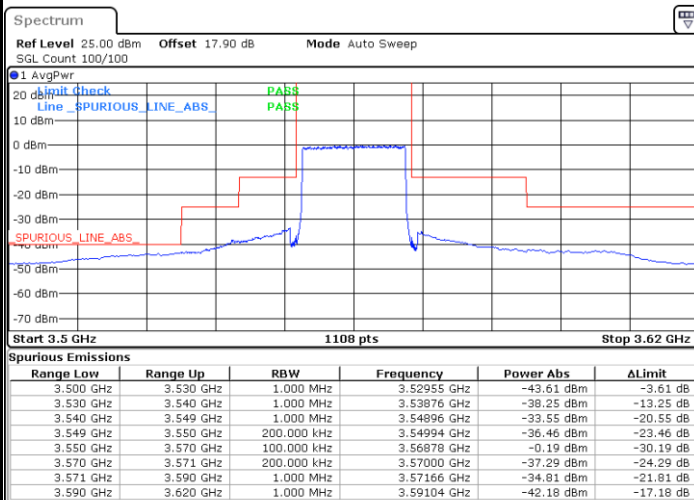
Date: 18.JUN.2021 14:40:00

Lowest Channel / 1RBmax



Date: 18.JUN.2021 14:49:01

Lowest Channel / FullRB



Date: 18.JUN.2021 14:30:59

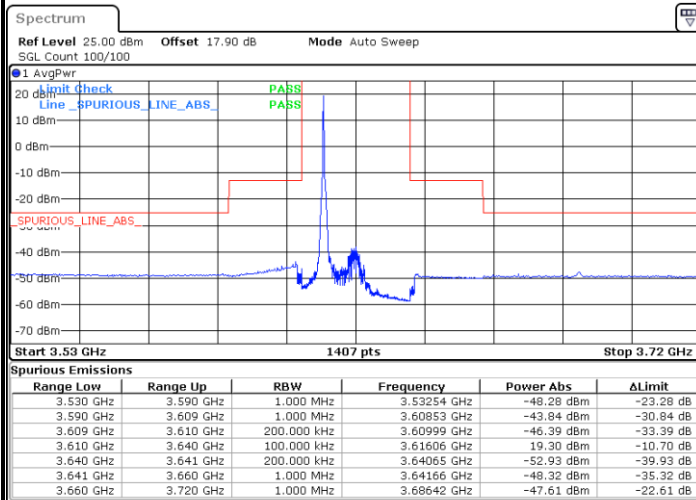
N/A



LTE Band 48 / 20MHz

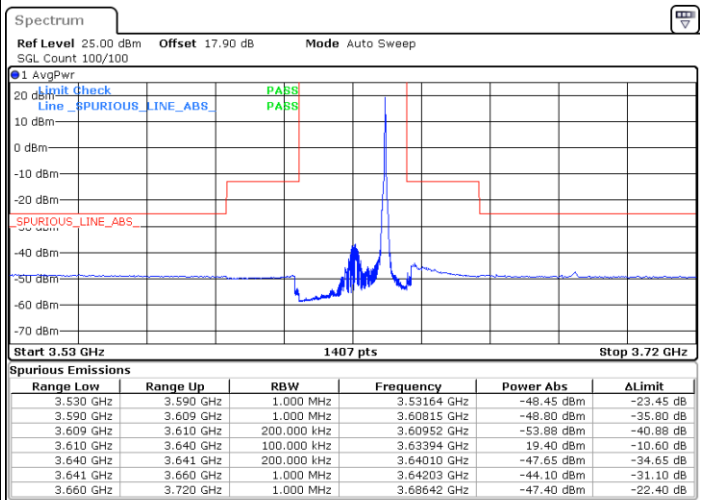
16QAM

Middle Channel / 1RB0



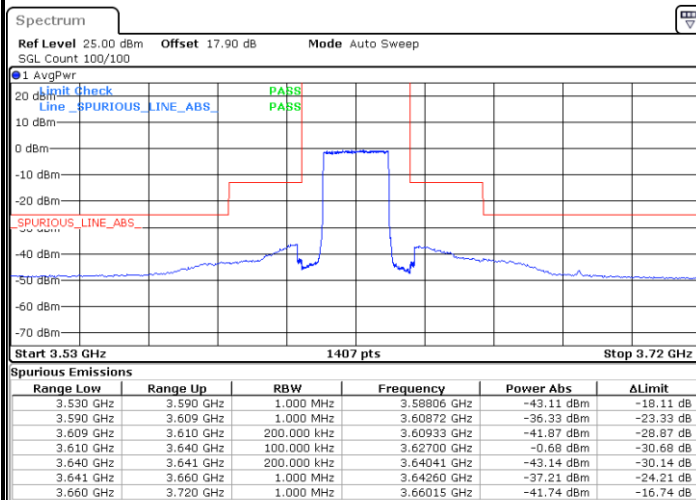
Date: 18.JUN.2021 14:42:59

Middle Channel / 1RBmax



Date: 18.JUN.2021 14:52:03

Middle Channel / FullRB



Date: 18.JUN.2021 14:33:58

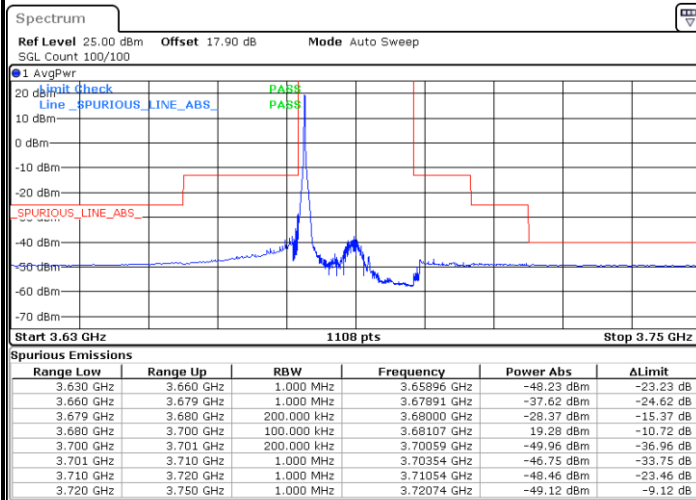
N/A



LTE Band 48 / 20MHz

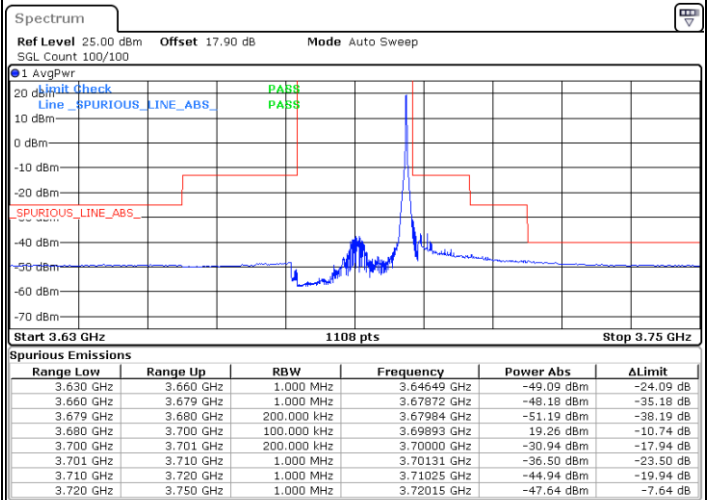
16QAM

Highest Channel / 1RB0



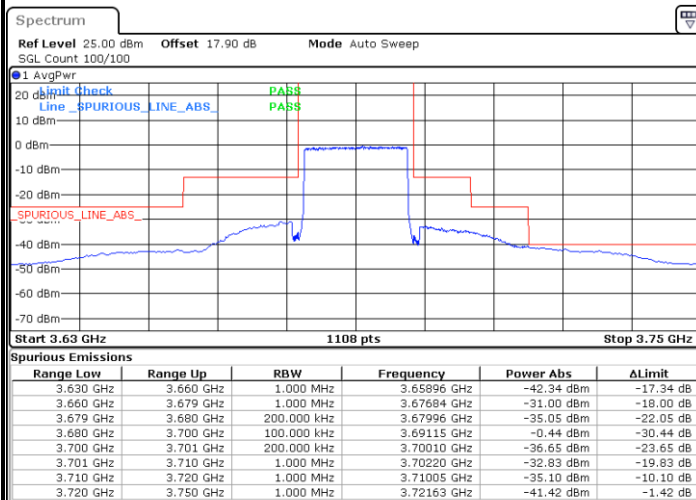
Date: 18.JUN.2021 14:46:00

Highest Channel / 1RBmax



Date: 18.JUN.2021 14:55:05

Highest Channel / FullIRB



Date: 18.JUN.2021 14:36:59

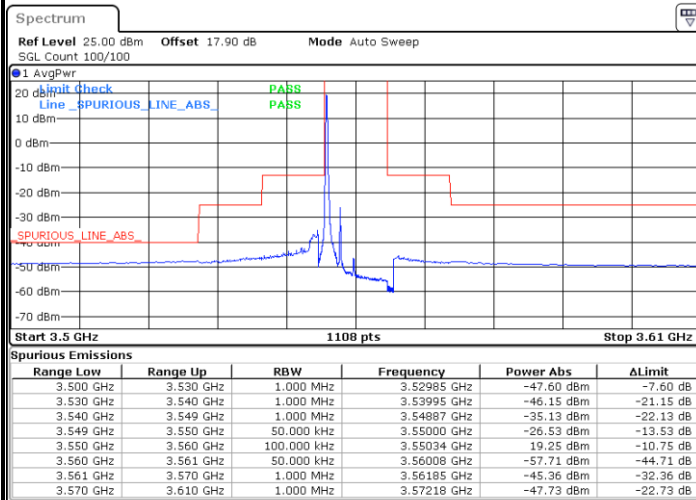
N/A



LTE Band 48 / 5MHz

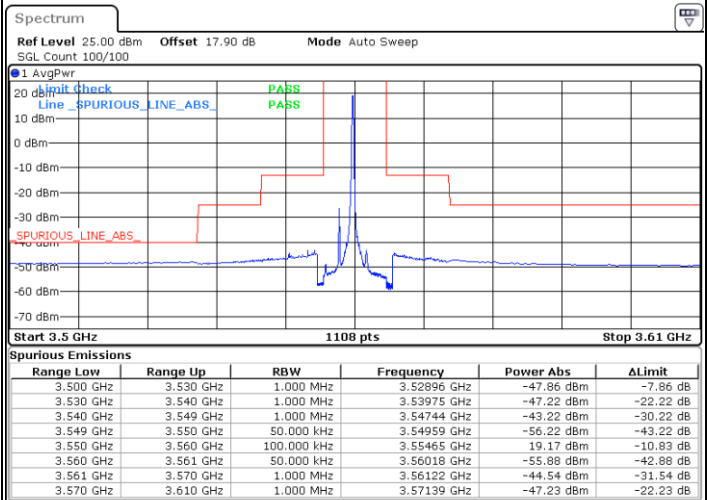
64QAM

Lowest Channel / 1RB0



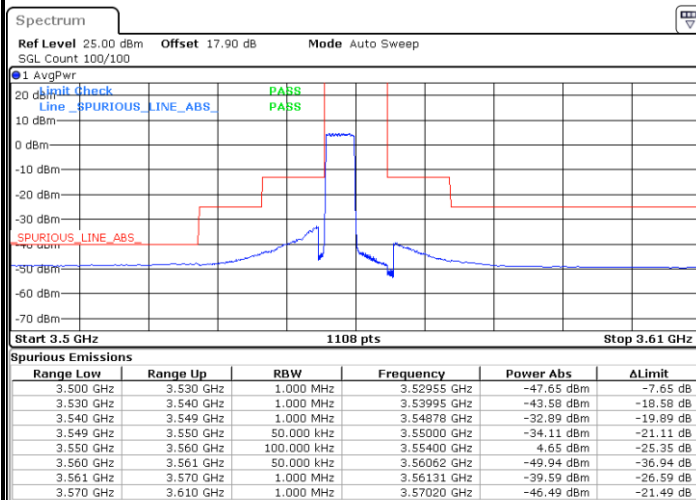
Date: 18.JUN.2021 11:08:37

Lowest Channel / 1RBmax



Date: 18.JUN.2021 11:26:39

Lowest Channel / FullRB



Date: 18.JUN.2021 11:17:38

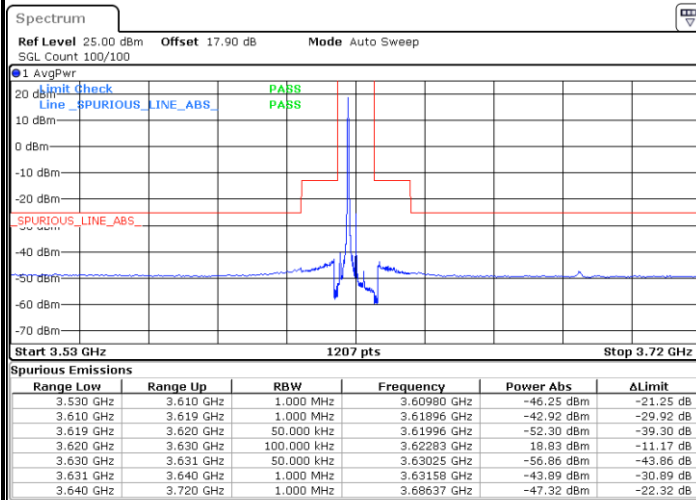
N/A



LTE Band 48 / 5MHz

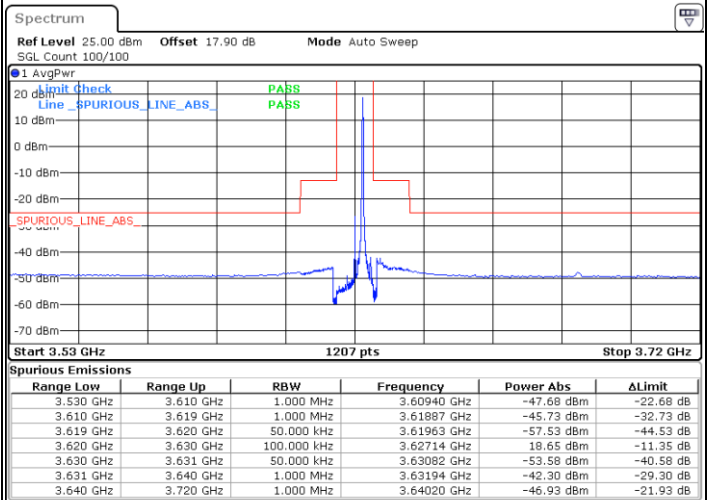
64QAM

Middle Channel / 1RB0



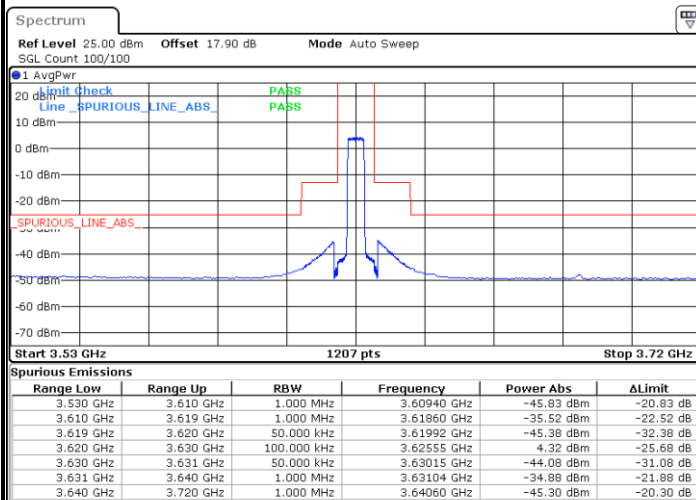
Date: 18.JUN.2021 11:09:37

Middle Channel / 1RBmax



Date: 18.JUN.2021 11:27:39

Middle Channel / FullRB



Date: 18.JUN.2021 11:18:38

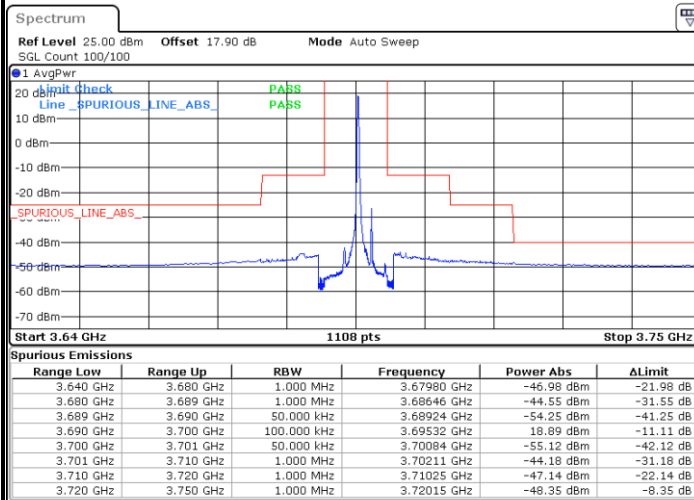
N/A



LTE Band 48 / 5MHz

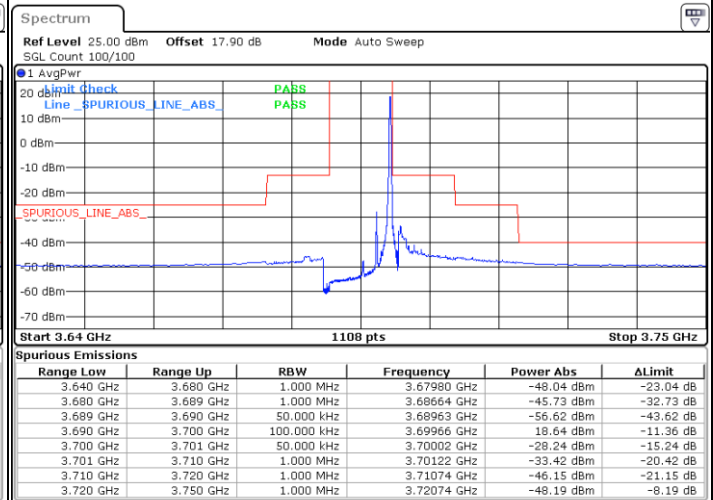
64QAM

Highest Channel / 1RB0



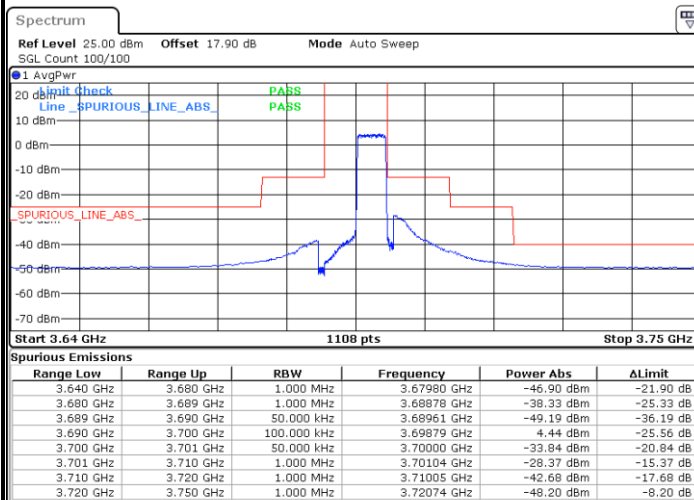
Date: 18.JUN.2021 11:14:35

Highest Channel / 1RBmax



Date: 18.JUN.2021 11:32:38

Highest Channel / FullRB



Date: 18.JUN.2021 11:23:38

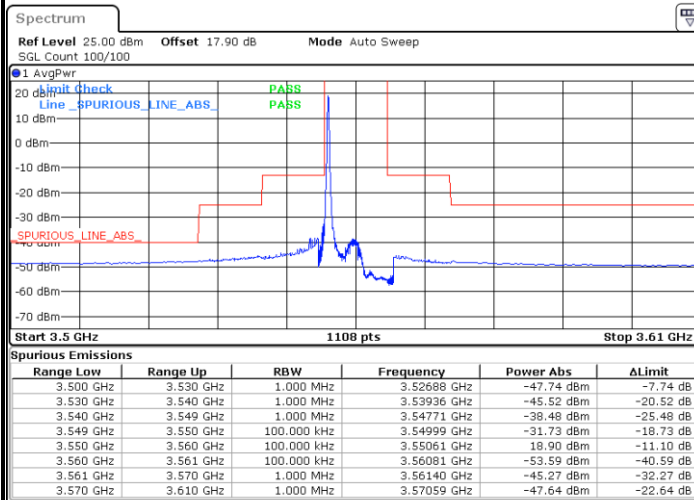
N/A



LTE Band 48 / 10MHz

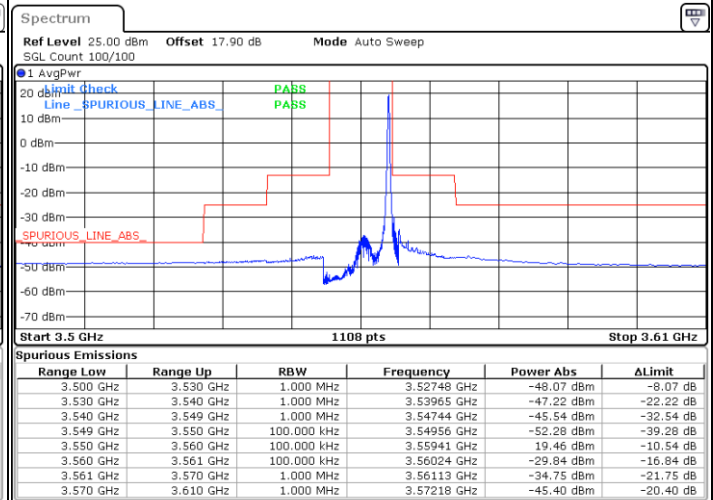
64QAM

Lowest Channel / 1RB0



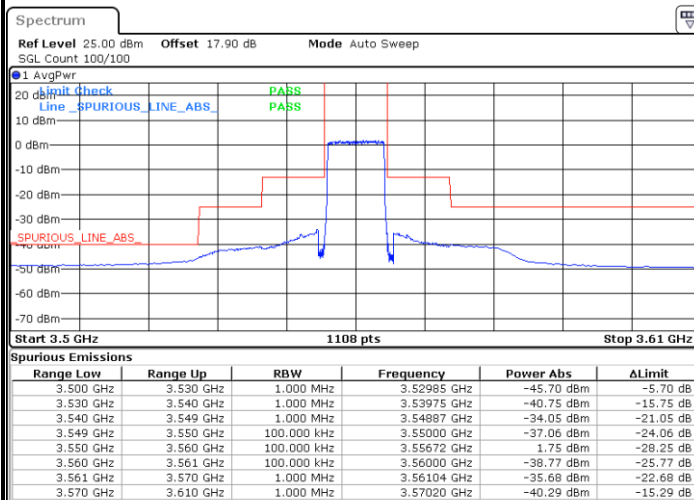
Date: 18.JUN.2021 11:33:39

Lowest Channel / 1RBmax



Date: 18.JUN.2021 13:51:38

Lowest Channel / FullRB



Date: 18.JUN.2021 11:50:10

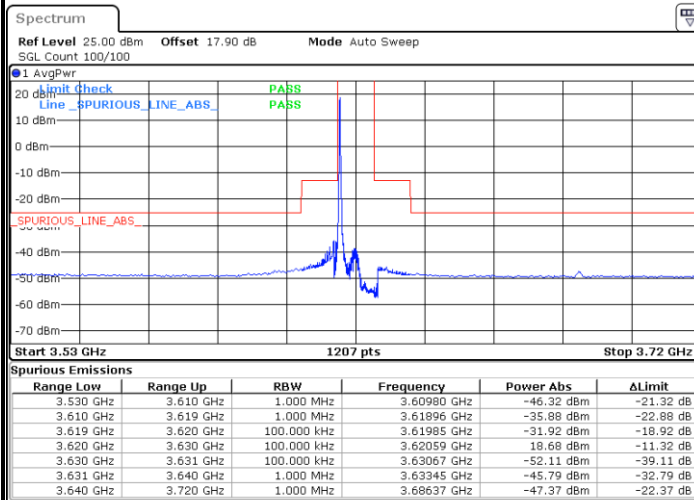
N/A



LTE Band 48 / 10MHz

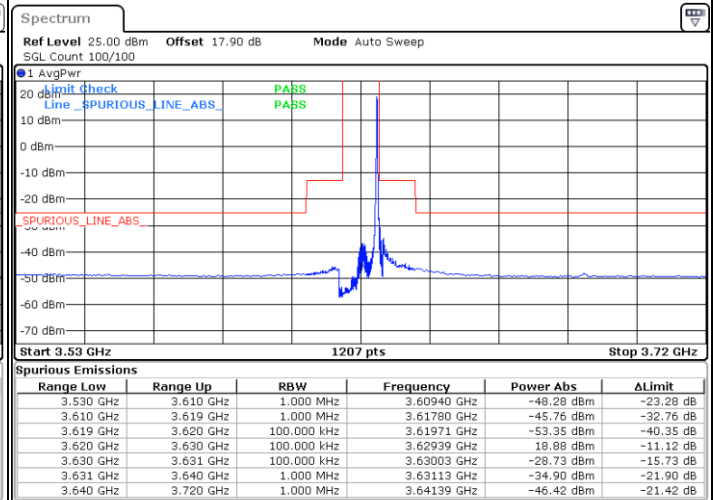
64QAM

MiddleChannel / 1RB0



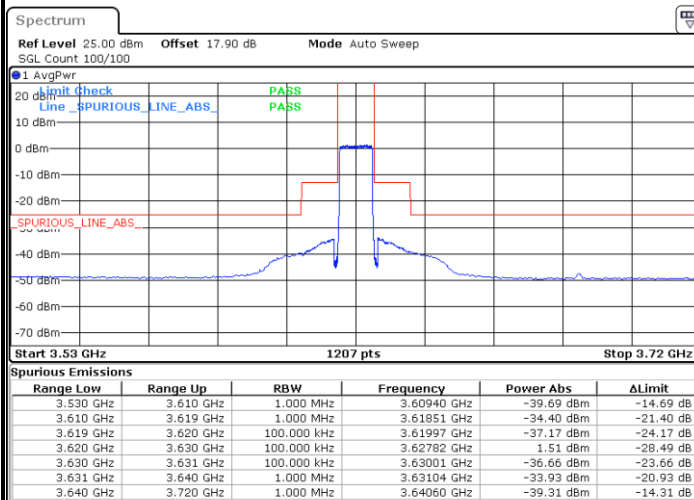
Date: 18.JUN.2021 11:46:10

Middle Channel / 1RBmax



Date: 18.JUN.2021 13:59:02

Middle Channel / FullRB



Date: 18.JUN.2021 11:55:09

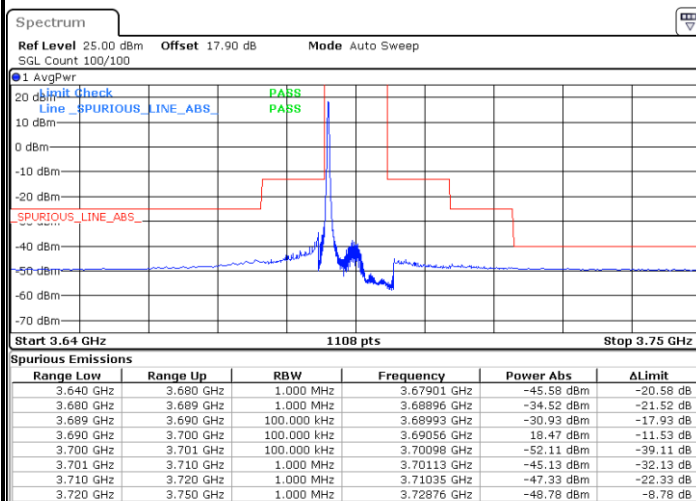
N/A



LTE Band 48 / 10MHz

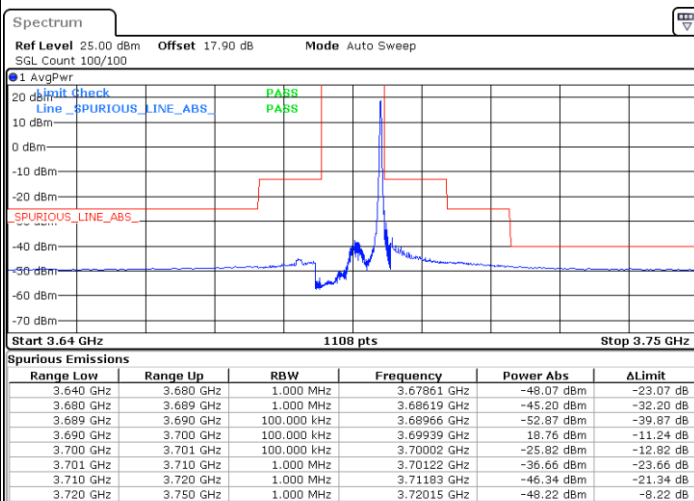
64QAM

Highest Channel / 1RB0



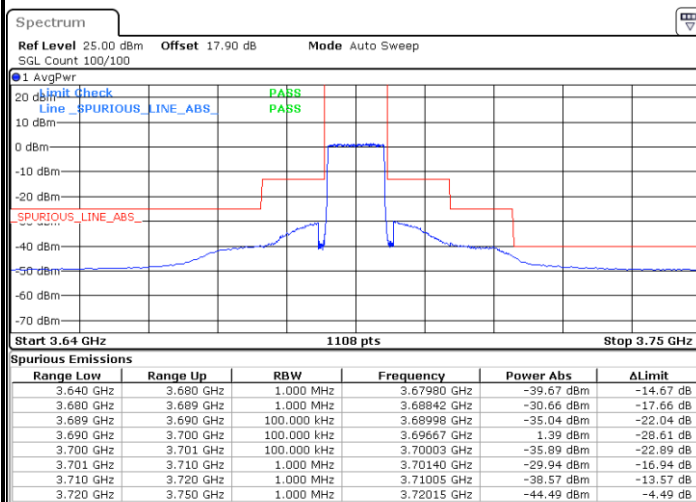
Date: 18.JUN.2021 11:47:10

Highest Channel / 1RBmax



Date: 18.JUN.2021 14:00:02

Highest Channel / FullIRB



Date: 18.JUN.2021 11:56:08

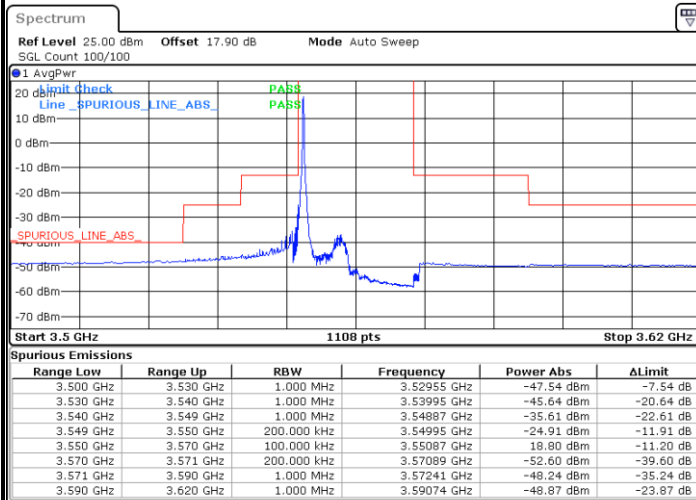
N/A



LTE Band 48 / 15MHz

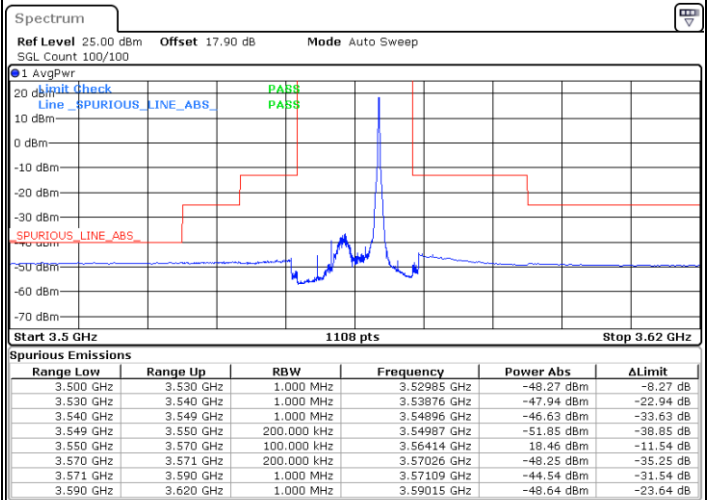
64QAM

Lowest Channel / 1RB0



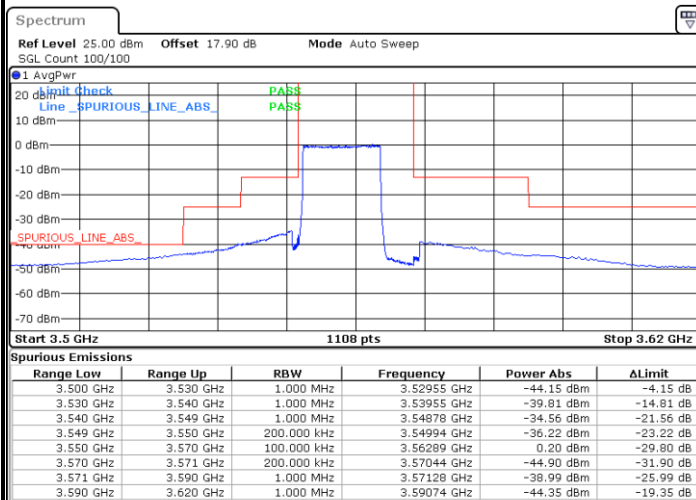
Date: 18.JUN.2021 14:05:02

Lowest Channel / 1RBmax



Date: 18.JUN.2021 14:23:00

Lowest Channel / FullRB



Date: 18.JUN.2021 14:14:01

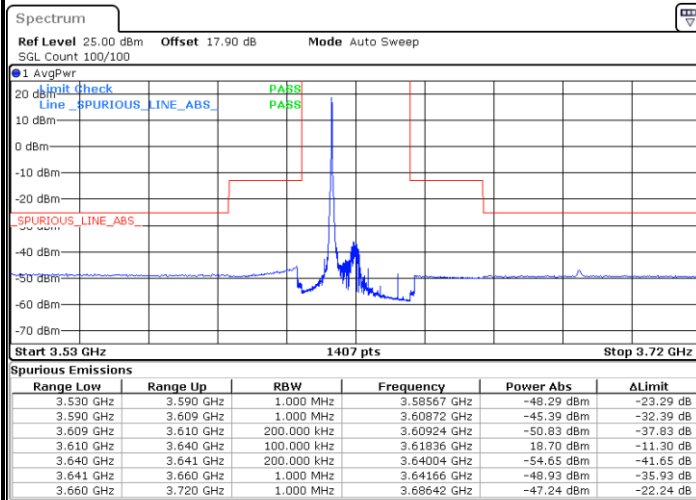
N/A



LTE Band 48 / 15MHz

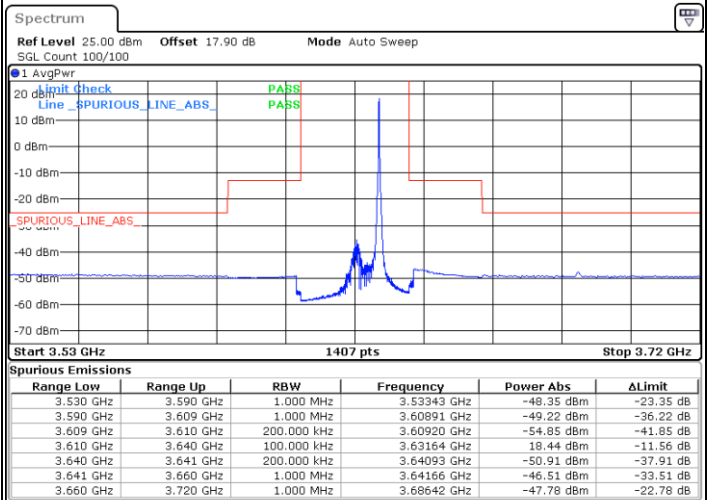
64QAM

Middle Channel / 1RB0



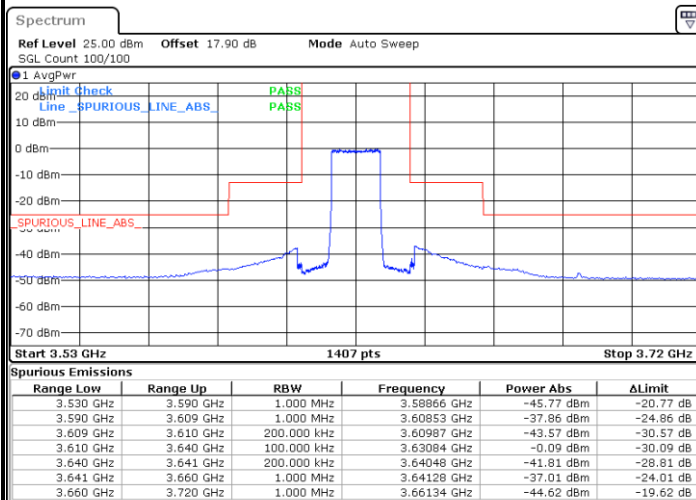
Date: 18.JUN.2021 14:06:02

Middle Channel / 1RBmax



Date: 18.JUN.2021 14:24:00

Middle Channel / FullRB



Date: 18.JUN.2021 14:15:00

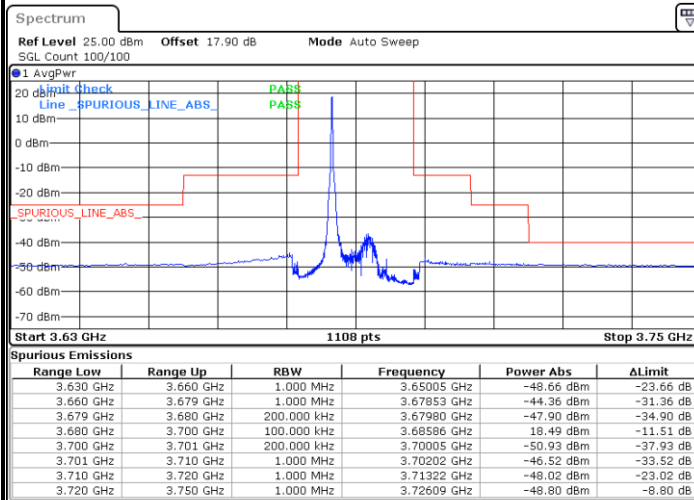
N/A



LTE Band 48 / 15MHz

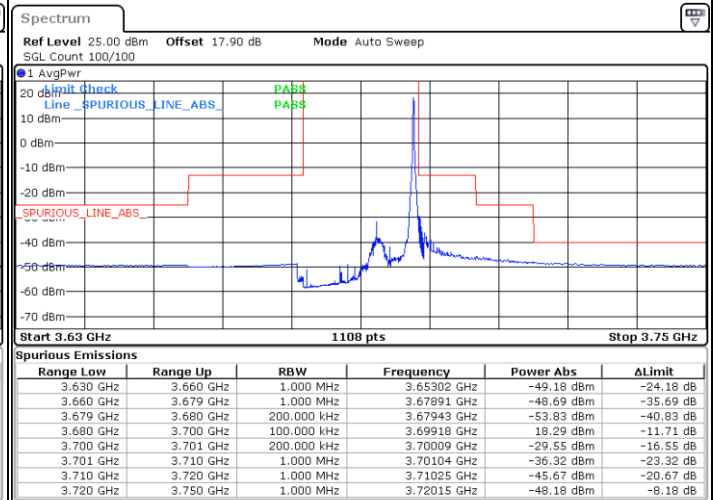
64QAM

Highest Channel / 1RB0



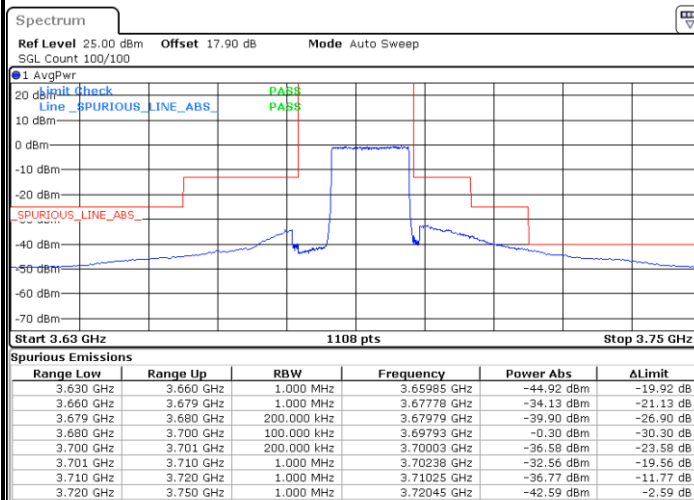
Date: 18.JUN.2021 14:11:00

Highest Channel / 1RBmax



Date: 18.JUN.2021 14:28:57

Highest Channel / FullIRB



Date: 18.JUN.2021 16:57:04

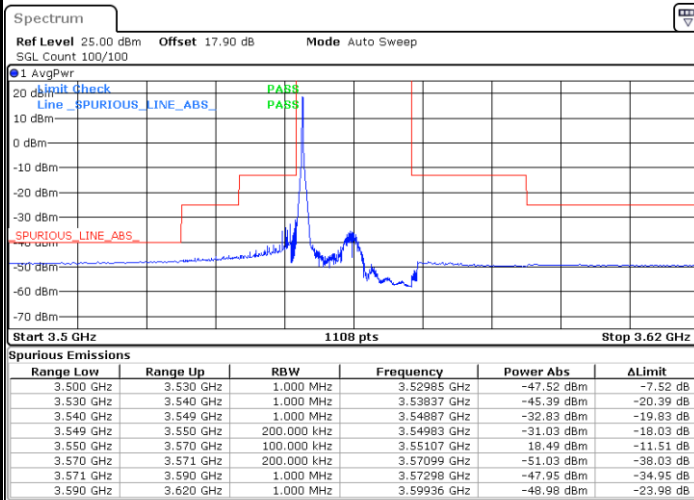
N/A



LTE Band 48 / 20MHz

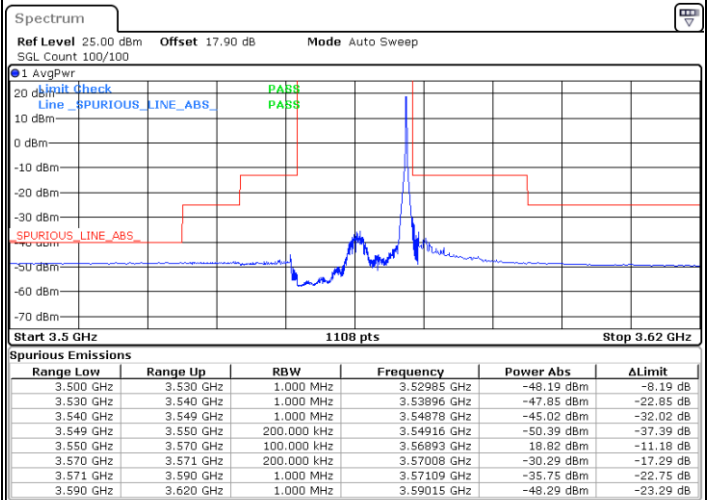
64QAM

Lowest Channel / 1RB0



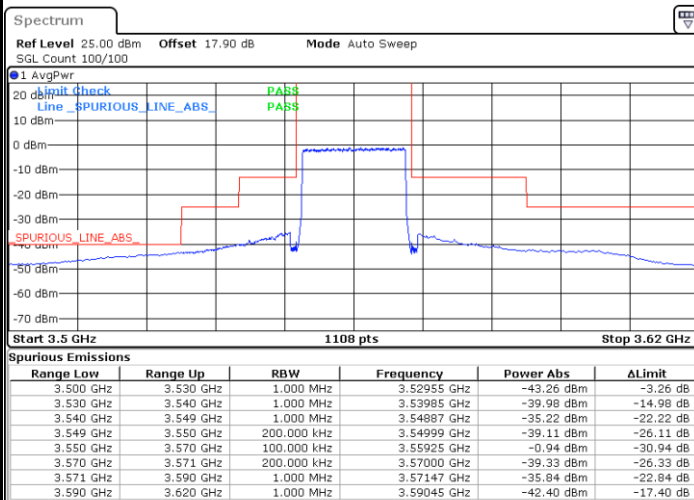
Date: 18.JUN.2021 14:38:59

Lowest Channel / 1RBmax



Date: 18.JUN.2021 14:48:00

Lowest Channel / FullRB



Date: 18.JUN.2021 14:29:58

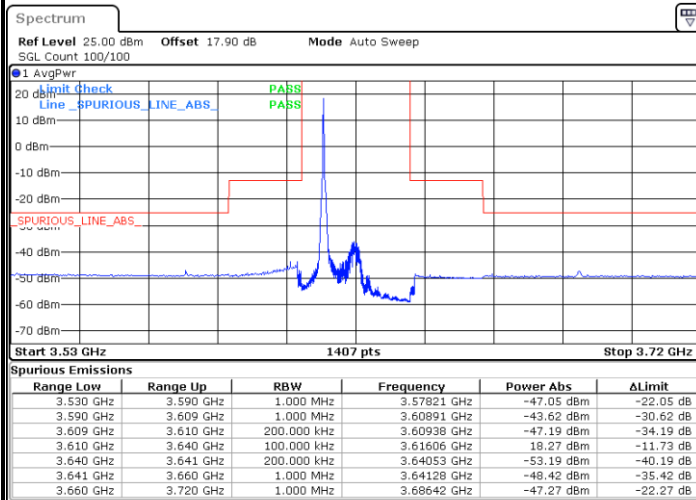
N/A



LTE Band 48 / 20MHz

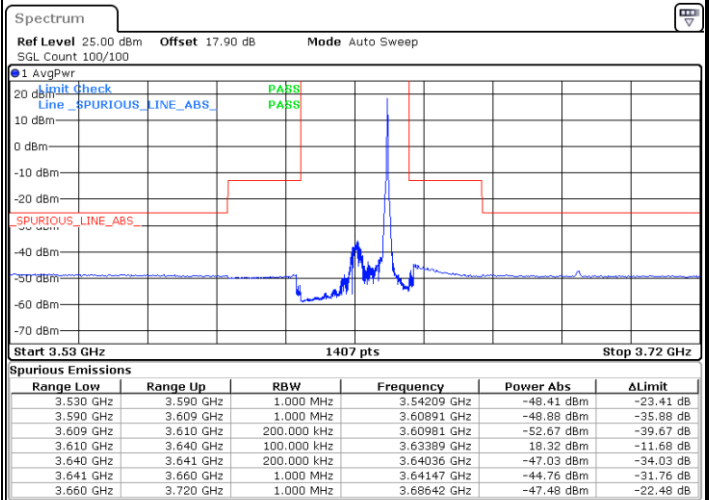
64QAM

Middle Channel / 1RB0



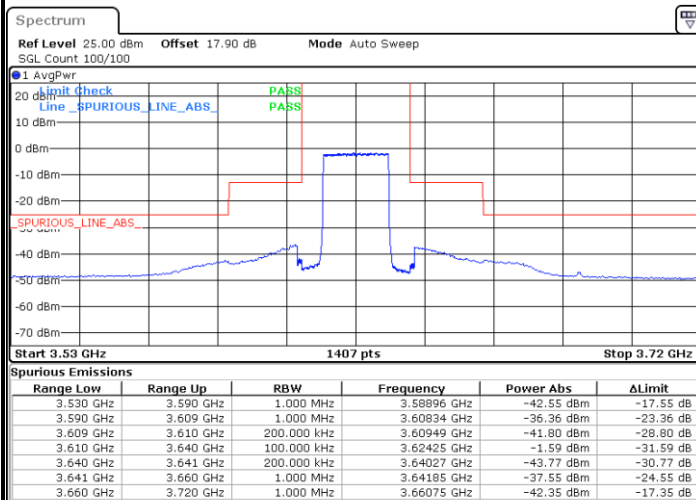
Date: 18.JUN.2021 14:43:58

Middle Channel / 1RBmax



Date: 18.JUN.2021 14:53:04

Middle Channel / FullIRB



Date: 18.JUN.2021 14:34:58

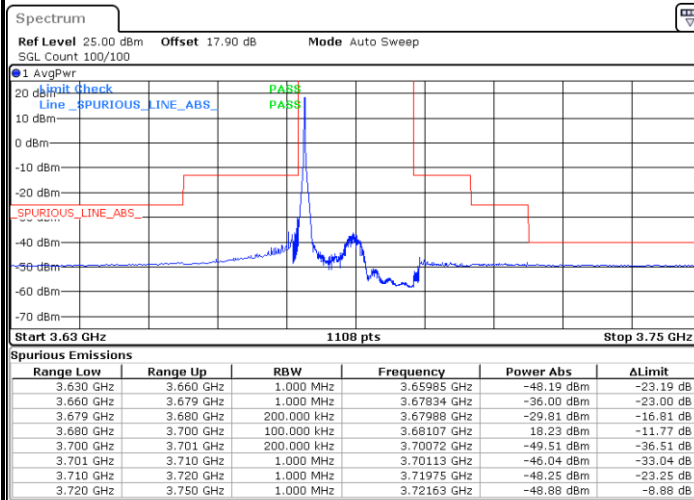
N/A



LTE Band 48 / 20MHz

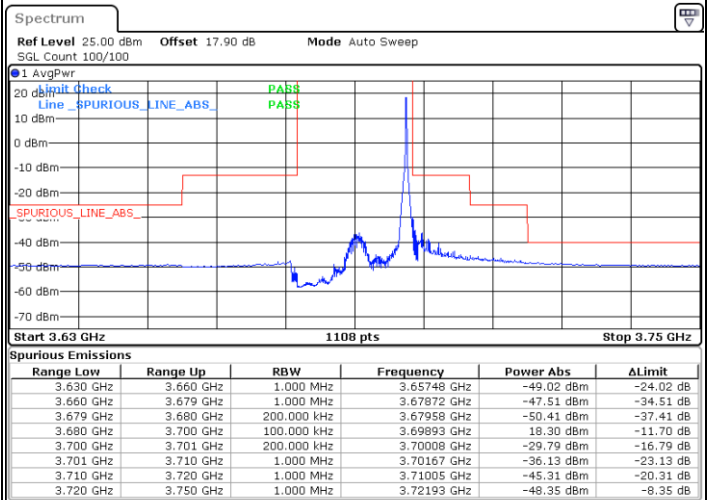
64QAM

Highest Channel / 1RB0



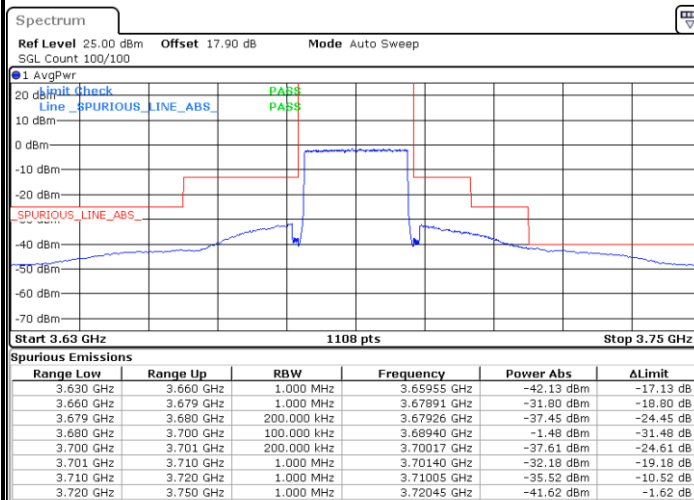
Date: 18.JUN.2021 14:44:59

Highest Channel / 1RBmax



Date: 18.JUN.2021 14:54:04

Highest Channel / FullIRB



Date: 18.JUN.2021 14:35:58

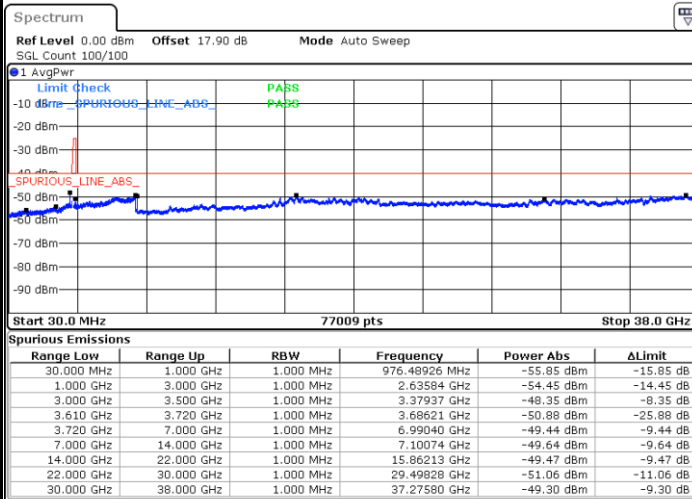
N/A



Conducted Spurious Emission

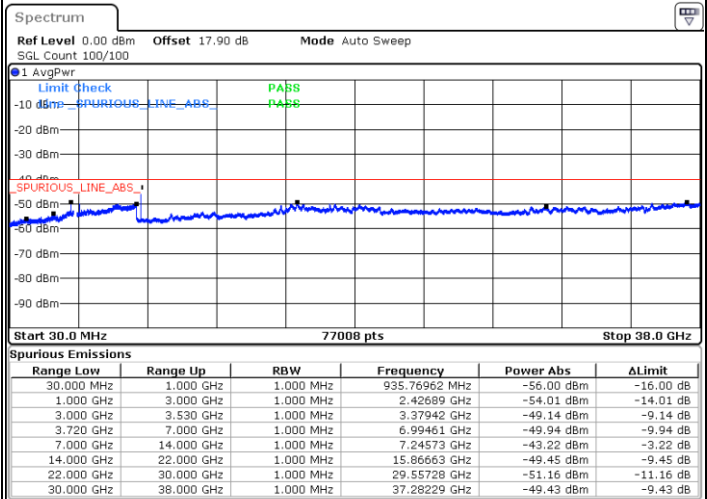
LTE Band 48 / 5MHz

Lowest Channel / QPSK



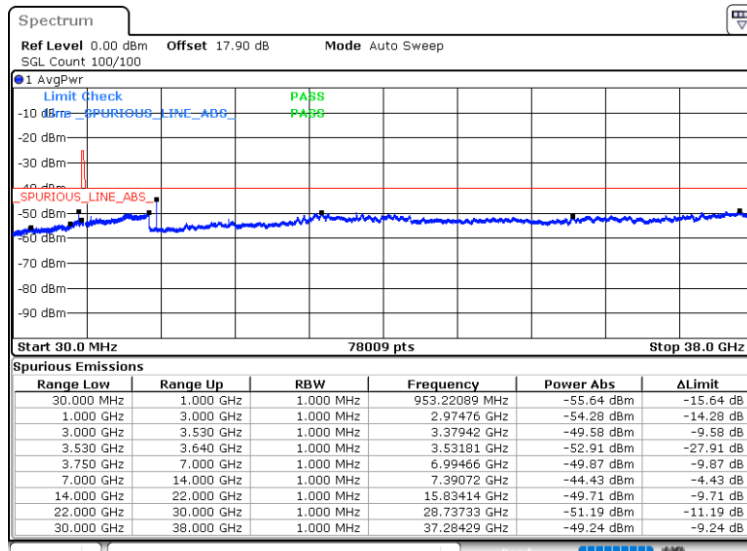
Date: 18.JUN.2021 15:27:59

Middle Channel / QPSK



Date: 18.JUN.2021 15:29:13

Highest Channel / QPSK

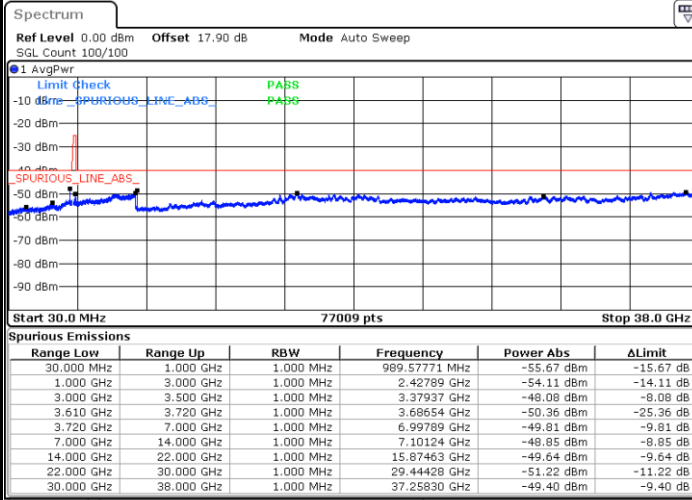


Date: 18.JUN.2021 15:30:29



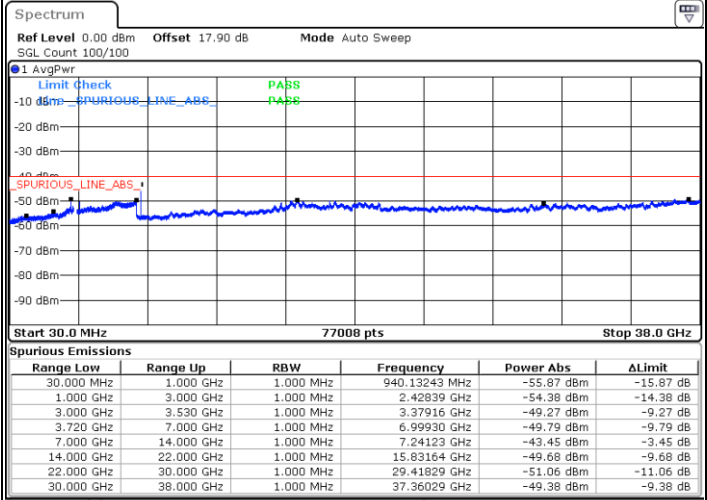
LTE Band 48 / 10MHz

Lowest Channel / QPSK



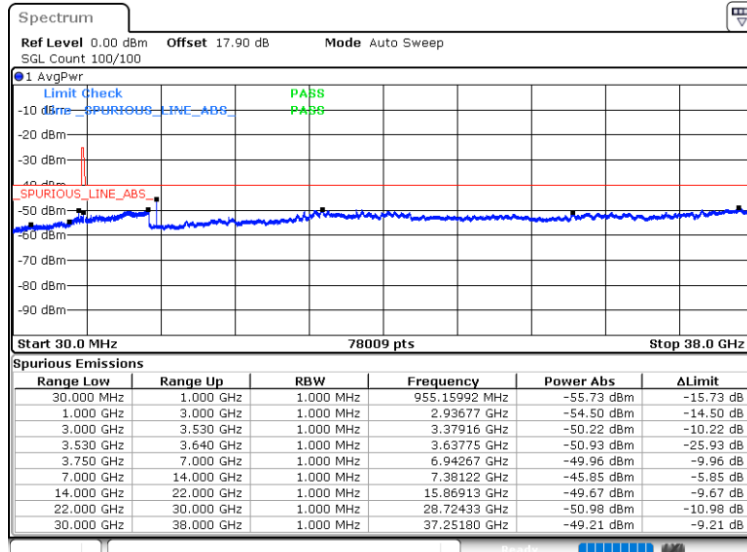
Date: 18.JUN.2021 15:31:44

Middle Channel / QPSK



Date: 18.JUN.2021 15:32:59

Highest Channel / QPSK

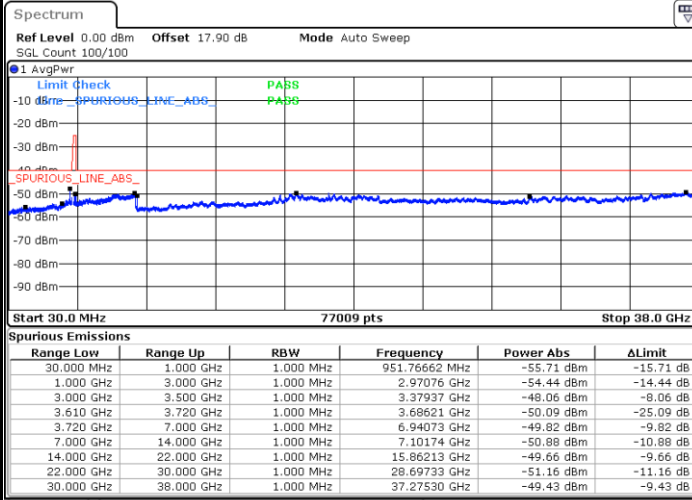


Date: 18.JUN.2021 15:34:14



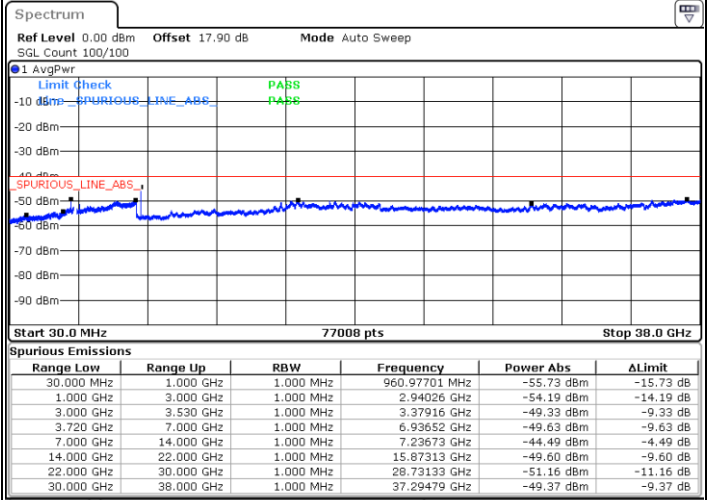
LTE Band 48 / 15MHz

Lowest Channel / QPSK



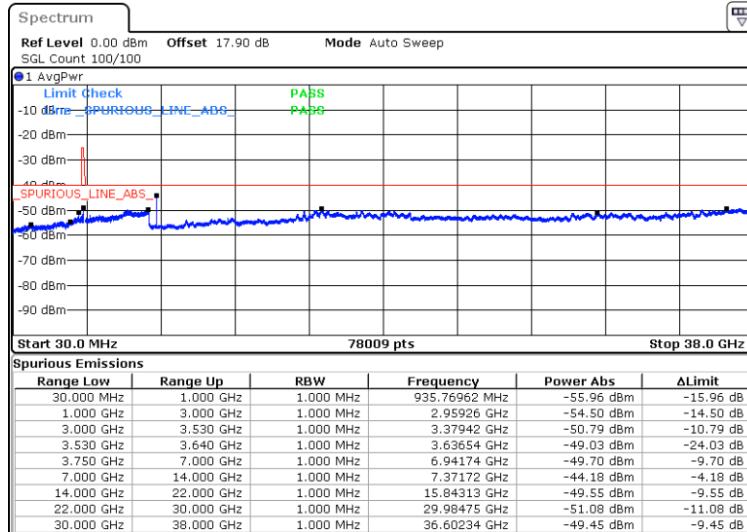
Date: 18.JUN.2021 15:35:30

Middle Channel / QPSK



Date: 18.JUN.2021 15:36:45

Highest Channel / QPSK

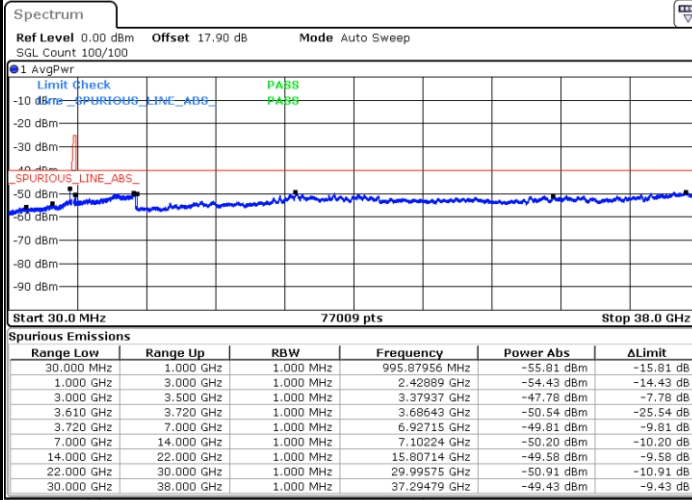


Date: 18.JUN.2021 15:38:00



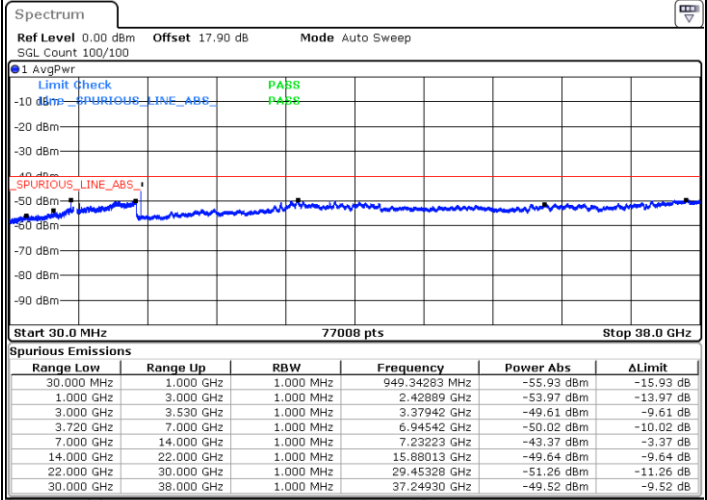
LTE Band 48 / 20MHz

Lowest Channel / QPSK



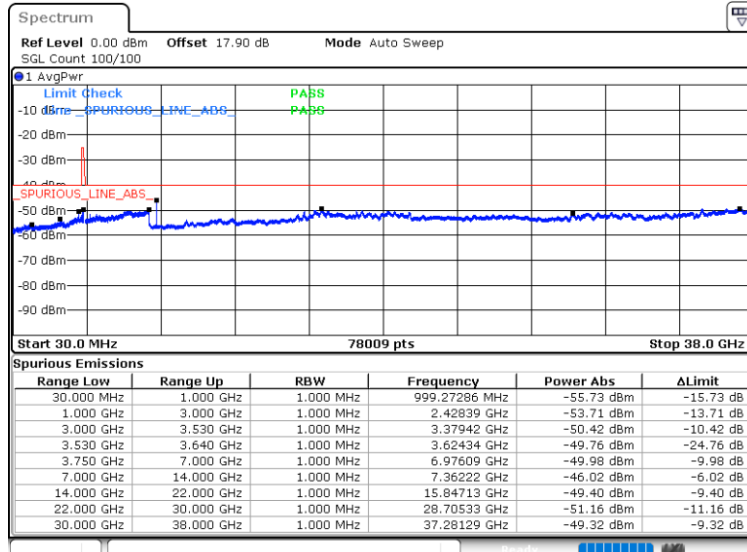
Date: 18.JUN.2021 15:39:15

Middle Channel / QPSK



Date: 18.JUN.2021 15:40:30

Highest Channel / QPSK



Date: 18.JUN.2021 15:41:45

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
40	Normal Voltage	0.0003	PASS
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0007	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =3.80 V. ; Battery End Point (ACLRP) =3.40 V. ; Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. EUT can't operate outside the temperatures between -20 °C and 40 °C.



Appendix B. Test Results of Radiated Test

LTE Band 48

LTE Band 48 / 20MHz / QPSK									
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)
Lowest	7102	-57.06	-40	-17.06	-53.1	-67.02	1.78	11.74	H
	10653	-44.06	-40	-4.06	-41.65	-52.49	2.47	10.90	H
	14204	-54.98	-40	-14.98	-57.83	-63.82	2.87	11.71	H
	21306	-50.03	-40	-10.03	-71.85	-66.75	1.98	18.70	H
	24857	-52.10	-40	-12.10	-76.86	-68.11	2.07	18.07	H
	28408	-48.89	-40	-8.89	-74.2	-66.13	2.32	19.56	H
	7102	-56.64	-40	-16.64	-52.29	-66.60	1.78	11.74	V
	10653	-49.34	-40	-9.34	-46.68	-57.77	2.47	10.90	V
	14204	-55.09	-40	-15.09	-57.67	-63.93	2.87	11.71	V
	21306	-54.85	-40	-14.85	-76.53	-71.57	1.98	18.70	V
	24857	-51.04	-40	-11.04	-77.01	-67.05	2.07	18.07	V
	28408	-48.82	-40	-8.82	-75.95	-66.06	2.32	19.56	V
Middle	7232	-57.39	-40	-17.39	-53.56	-67.07	1.85	11.53	H
	10848	-49.07	-40	-9.07	-46.95	-57.40	2.57	10.90	H
	14464	-55.38	-40	-15.38	-57.98	-63.61	2.85	11.09	H
	18080	-43.62	-40	-3.62	-61.56	-59.85	1.76	17.98	H
	21696	-55.28	-40	-15.28	-76.68	-72.07	1.99	18.78	H
	25312	-51.87	-40	-11.87	-77.07	-68.47	2.14	18.74	H
	28928	-49.15	-40	-9.15	-74.45	-65.88	2.36	19.09	H
	7232	-56.91	-40	-16.91	-52.81	-66.59	1.85	11.53	V
	10848	-50.11	-40	-10.11	-47.78	-58.44	2.57	10.90	V
	14464	-56.37	-40	-16.37	-58.14	-64.60	2.85	11.09	V
	18080	-50.38	-40	-10.38	-67.39	-66.61	1.76	17.98	V
	21696	-54.78	-40	-14.78	-76.17	-71.57	1.99	18.78	V
	25312	-50.70	-40	-10.70	-77.16	-67.30	2.14	18.74	V
	28928	-47.37	-40	-7.37	-74.26	-64.10	2.36	19.09	V



Highest	7362	-57.39	-40	-17.39	-53.37	-66.80	1.92	11.32	H
	11043	-52.59	-40	-12.59	-50.83	-60.91	2.63	10.95	H
	14724	-54.39	-40	-14.39	-58.04	-63.19	2.91	11.72	H
	18405	-46.20	-40	-6.20	-64.48	-62.25	1.87	17.92	H
	22086	-55.79	-40	-15.79	-77.7	-72.58	2.08	18.87	H
	25767	-51.64	-40	-11.64	-77.52	-68.66	2.03	19.05	H
	7362	-54.78	-40	-14.78	-50.58	-64.19	1.92	11.32	V
	11043	-45.37	-40	-5.37	-43.45	-53.69	2.63	10.95	V
	14724	-55.81	-40	-15.81	-57.79	-64.61	2.91	11.72	V
	18405	-53.82	-40	-13.82	-71.22	-69.87	1.87	17.92	V
	22086	-55.94	-40	-15.94	-77.85	-72.73	2.08	18.87	V
	25767	-50.71	-40	-10.71	-77.78	-67.73	2.03	19.05	V

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