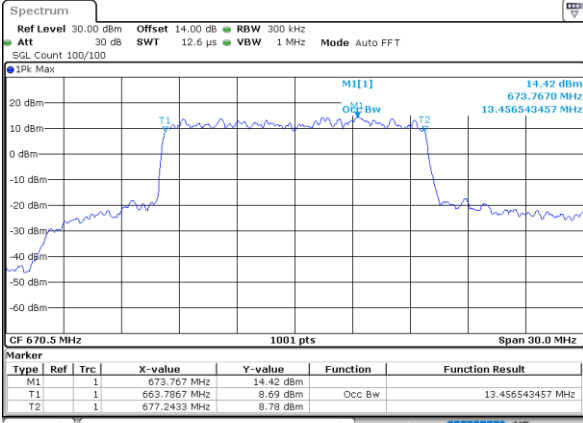




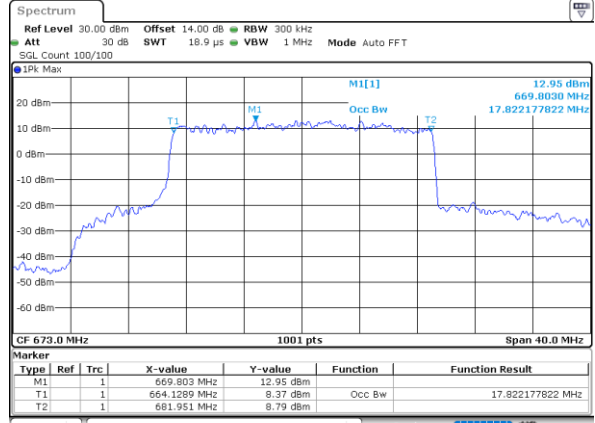
LTE Band 71

Lowest Channel / 15MHz / 64QAM



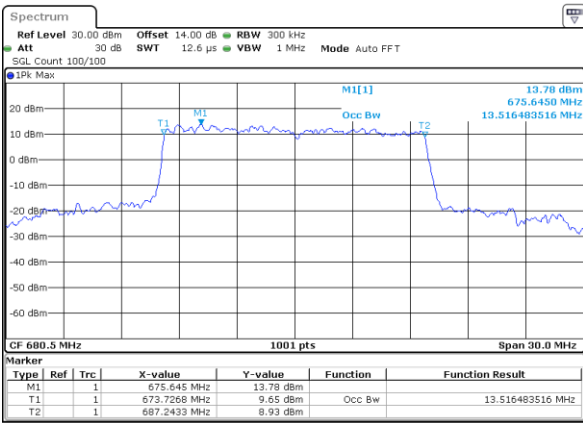
Date: 28_MAR_2022 16:56:00

Lowest Channel / 20MHz / 64QAM



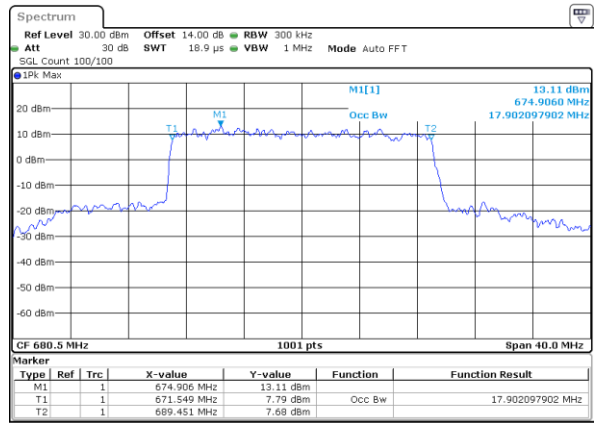
Date: 28_MAR_2022 17:24:26

Middle Channel / 15MHz / 64QAM



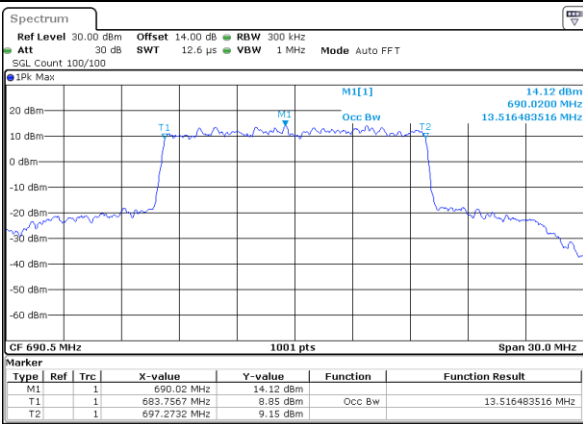
Date: 28_MAR_2022 16:59:53

Middle Channel / 20MHz / 64QAM



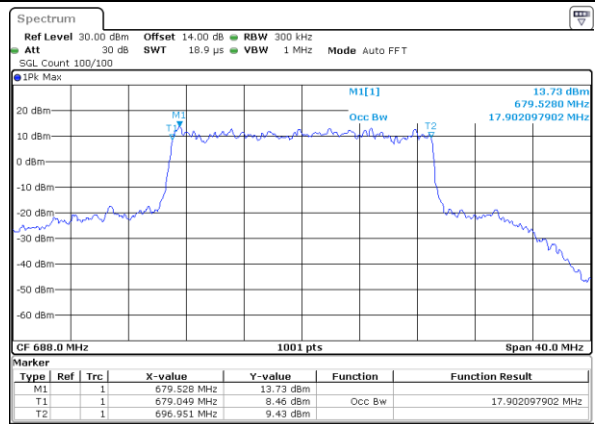
Date: 28_MAR_2022 17:28:18

Highest Channel / 15MHz / 64QAM



Date: 28_MAR_2022 17:01:19

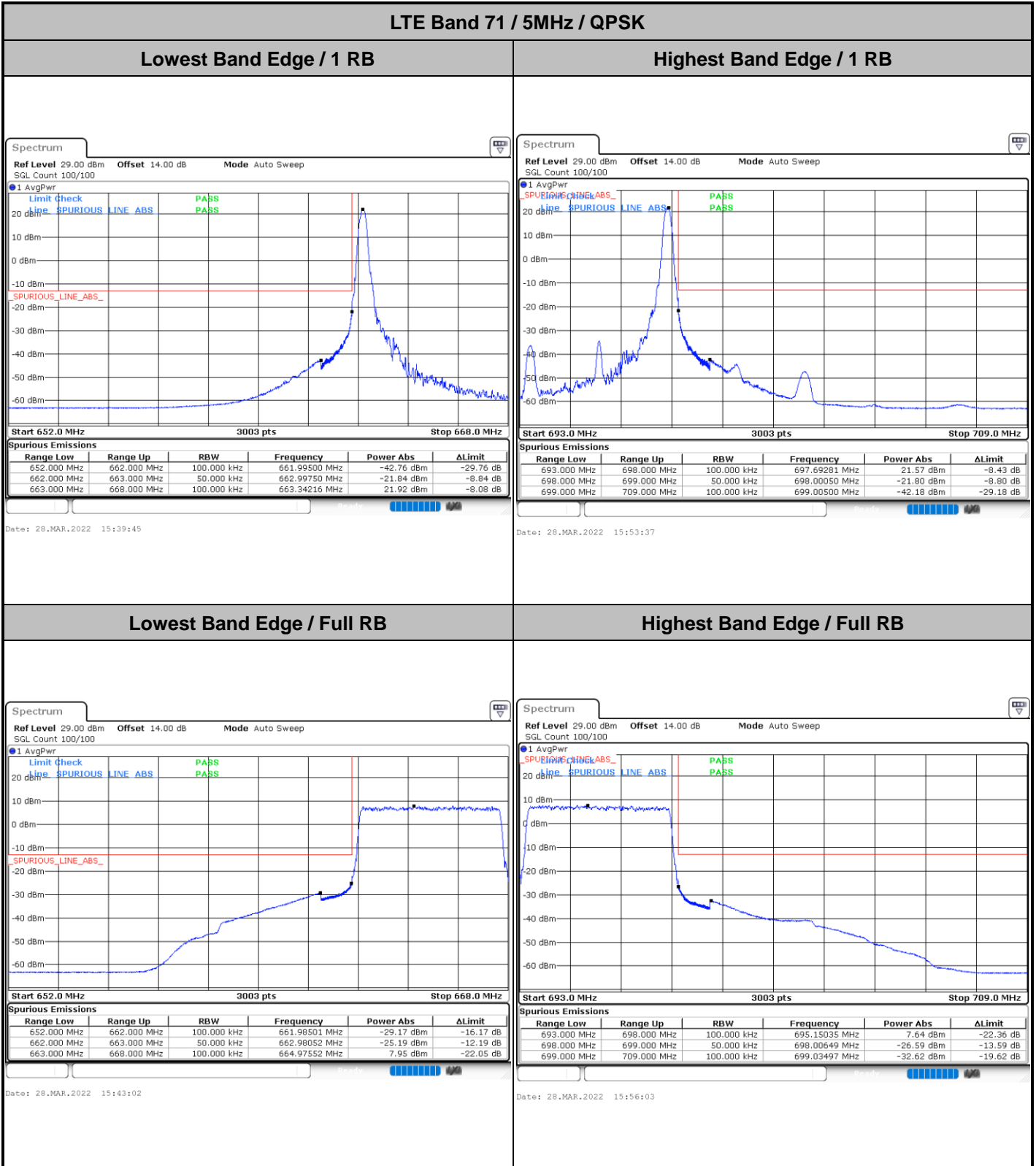
Highest Channel / 20MHz / 64QAM



Date: 28_MAR_2022 17:29:43



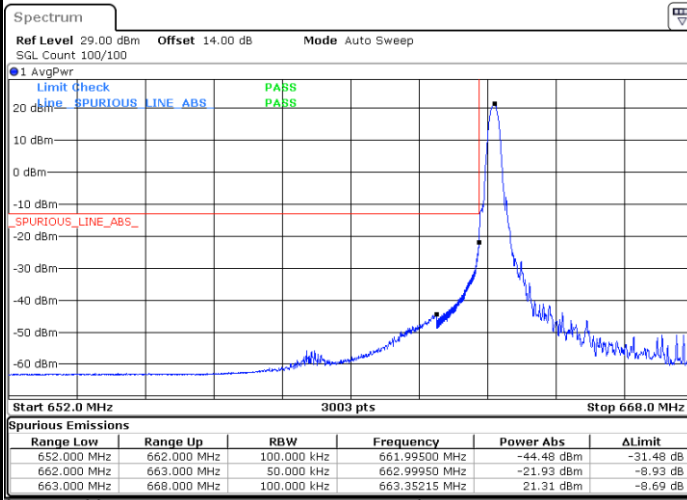
Conducted Band Edge





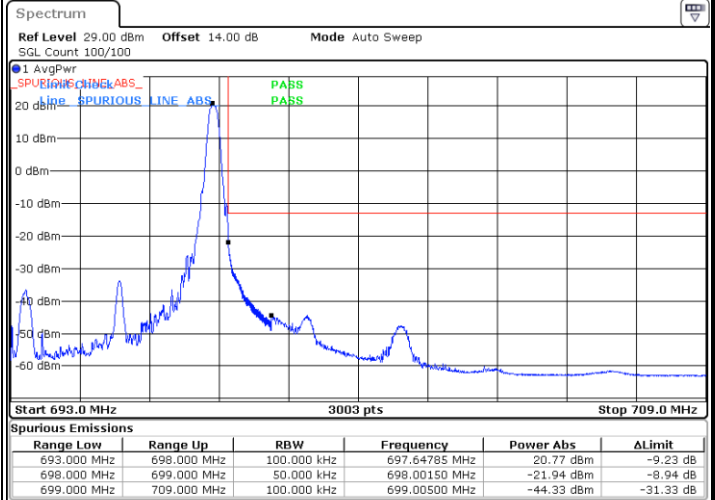
LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



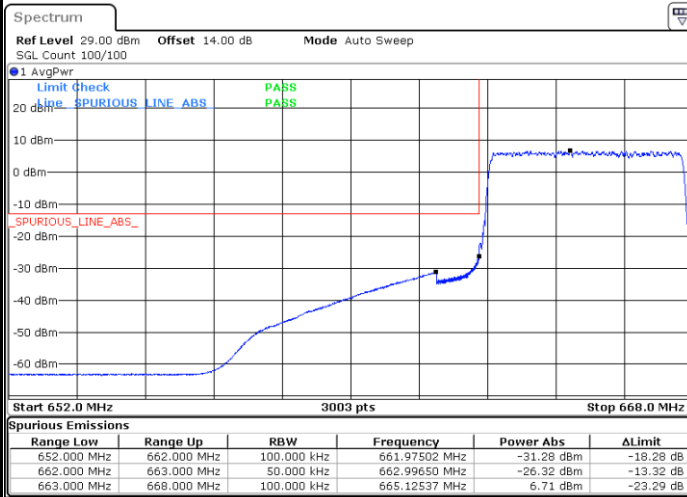
Date: 28.MAR.2022 15:41:24

Highest Band Edge / 1 RB



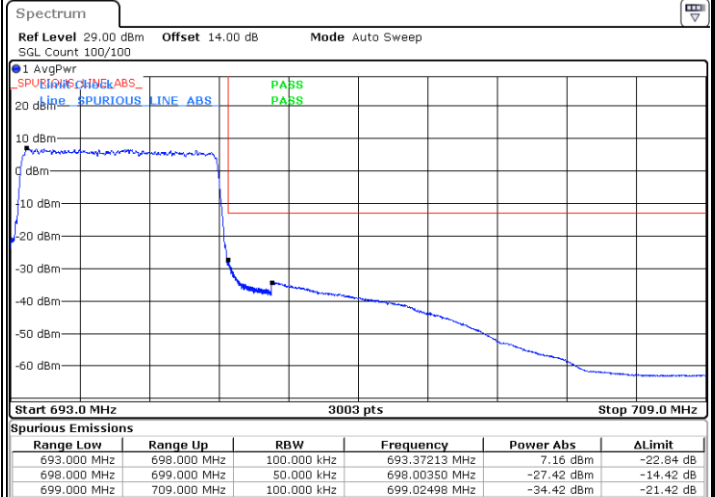
Date: 28.MAR.2022 15:54:50

Lowest Band Edge / Full RB



Date: 28.MAR.2022 15:44:40

Highest Band Edge / Full RB

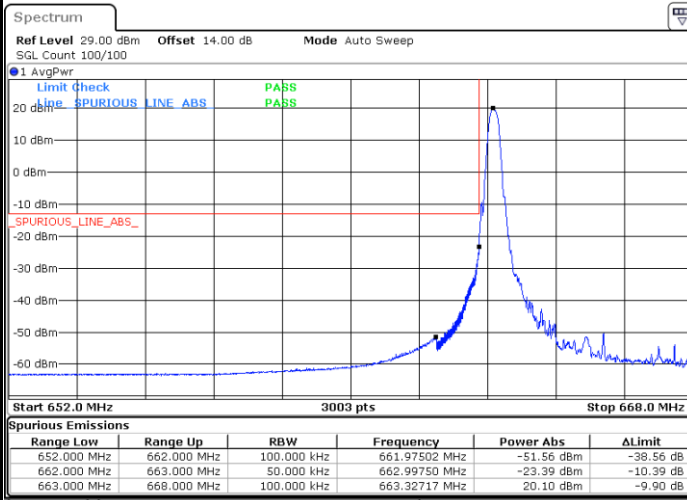


Date: 28.MAR.2022 15:57:16



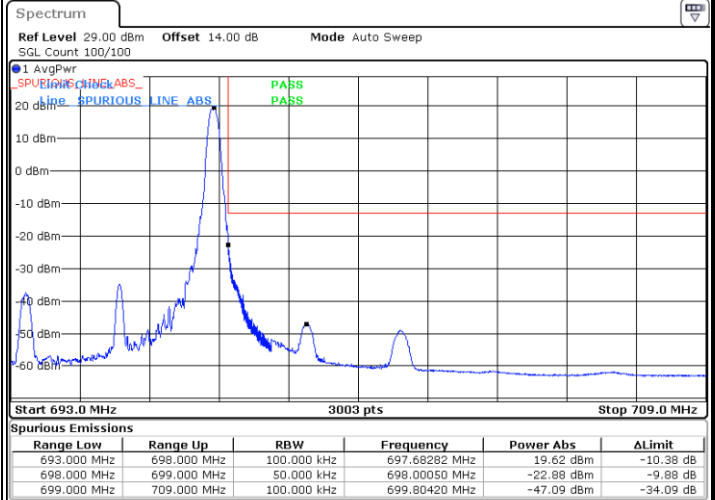
LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1RB



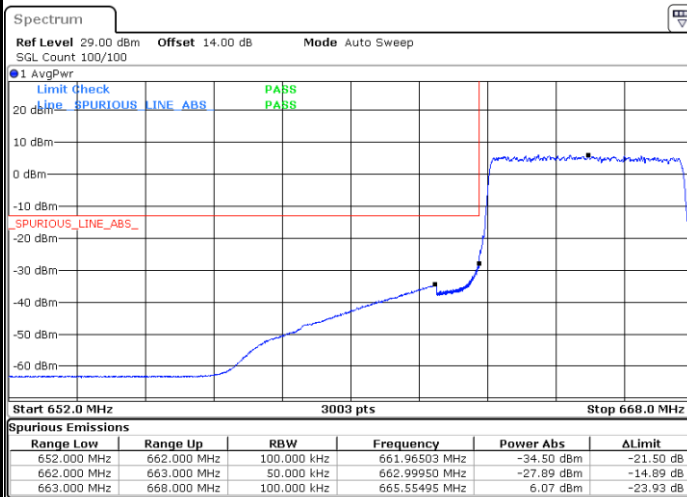
Date: 28.MAR.2022 16:00:42

Highest Band Edge / 1 RB



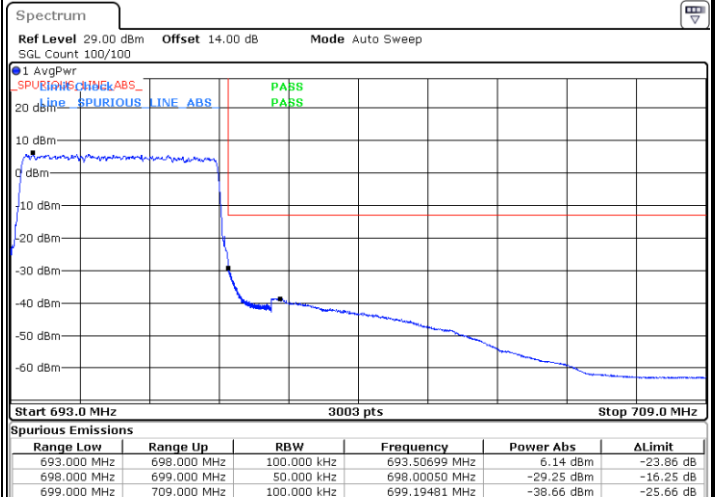
Date: 28.MAR.2022 16:06:00

Lowest Band Edge / Full RB



Date: 28.MAR.2022 16:01:55

Highest Band Edge / Full RB

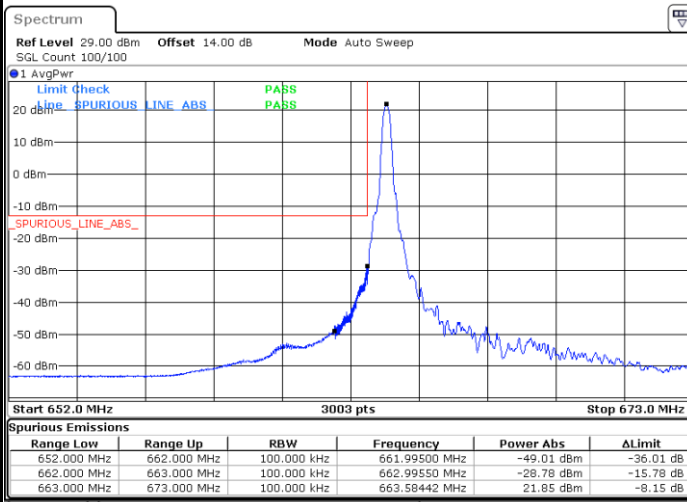


Date: 28.MAR.2022 16:07:13

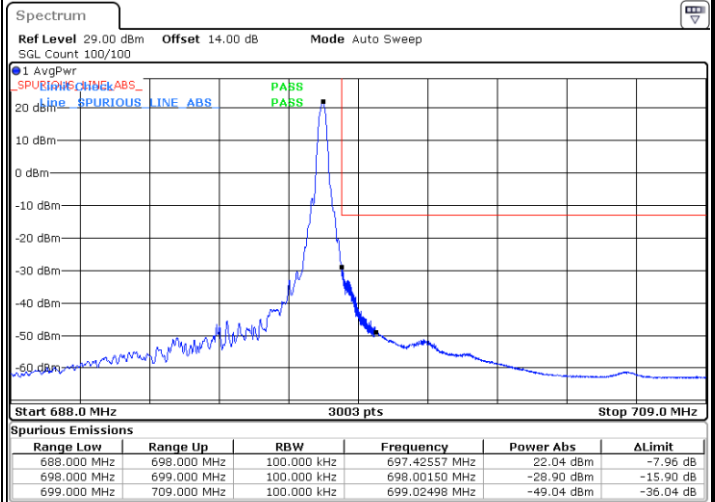


LTE Band 71 / 10MHz / QPSK

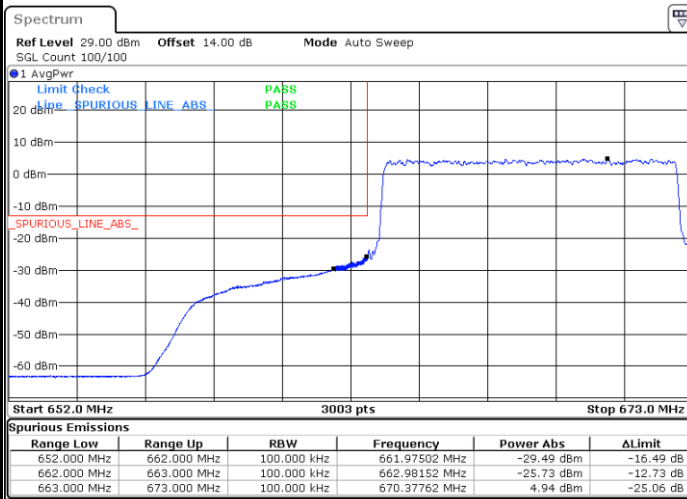
Lowest Band Edge / 1 RB



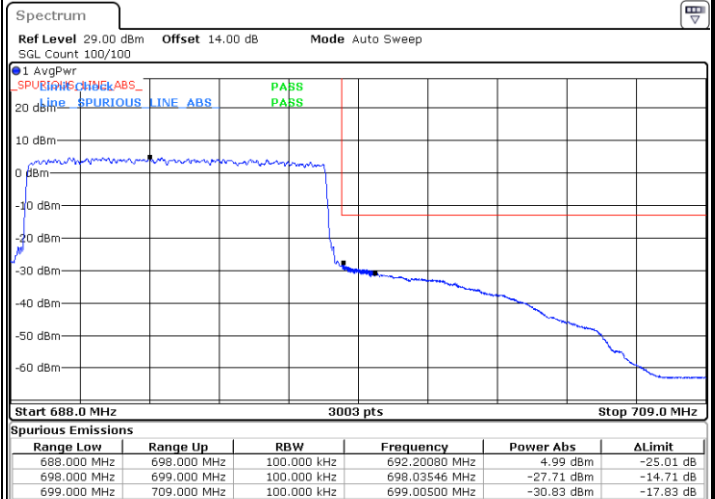
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



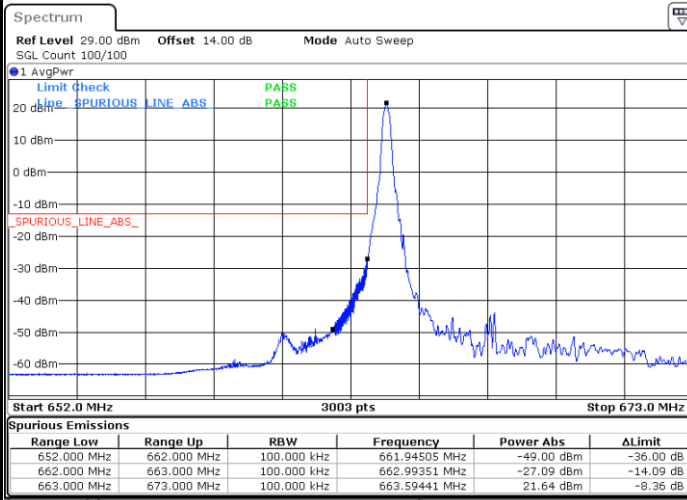
Highest Band Edge / Full RB





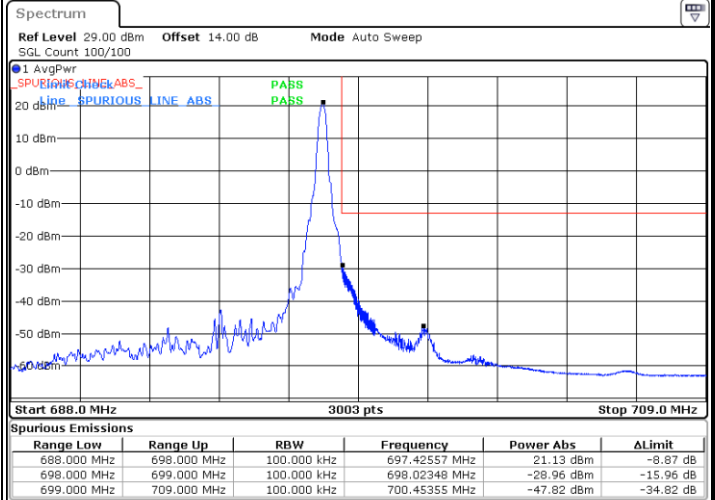
LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



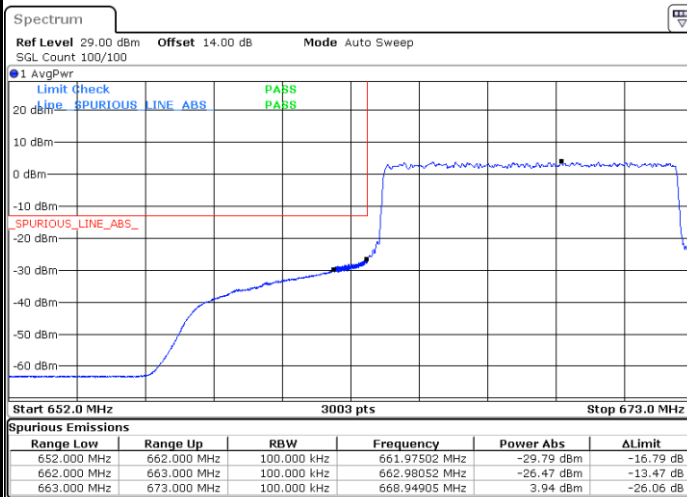
Date: 28.MAR.2022 16:12:02

Highest Band Edge / 1 RB



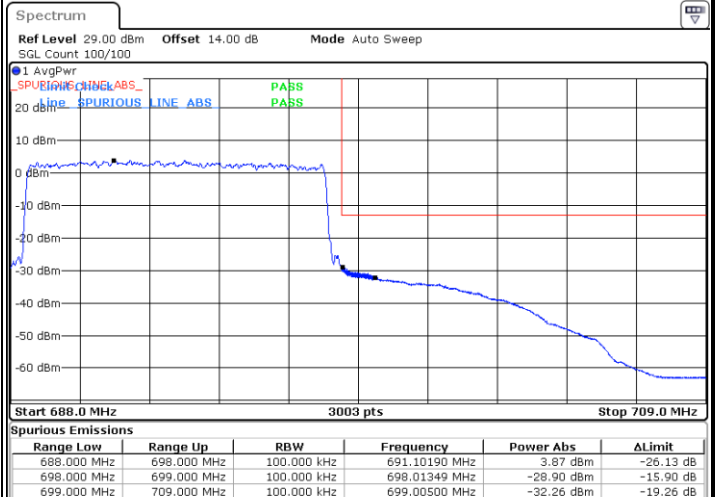
Date: 28.MAR.2022 16:23:13

Lowest Band Edge / Full RB



Date: 28.MAR.2022 16:14:28

Highest Band Edge / Full RB

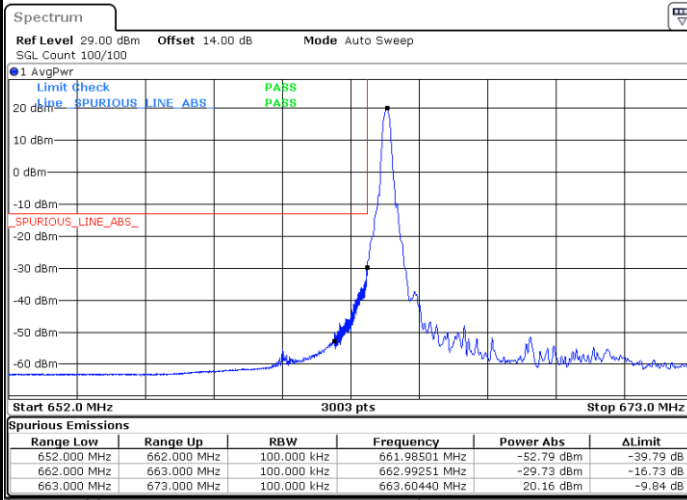


Date: 28.MAR.2022 16:25:39



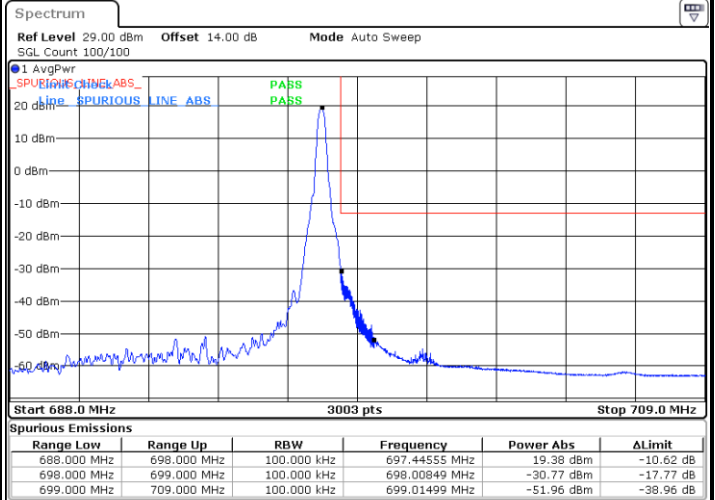
LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



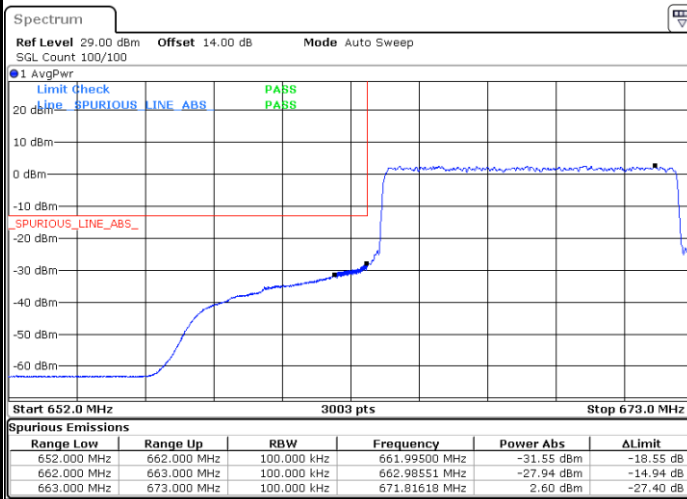
Date: 28.MAR.2022 16:29:06

Highest Band Edge / 1 RB



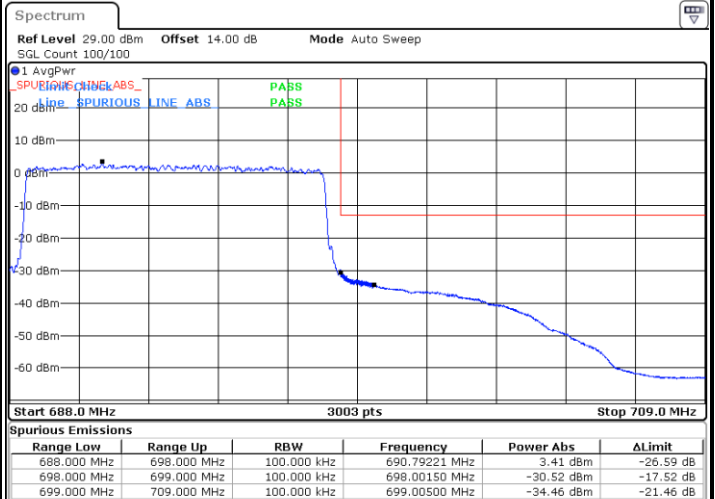
Date: 28.MAR.2022 16:34:23

Lowest Band Edge / Full RB



Date: 28.MAR.2022 16:30:19

Highest Band Edge / Full RB

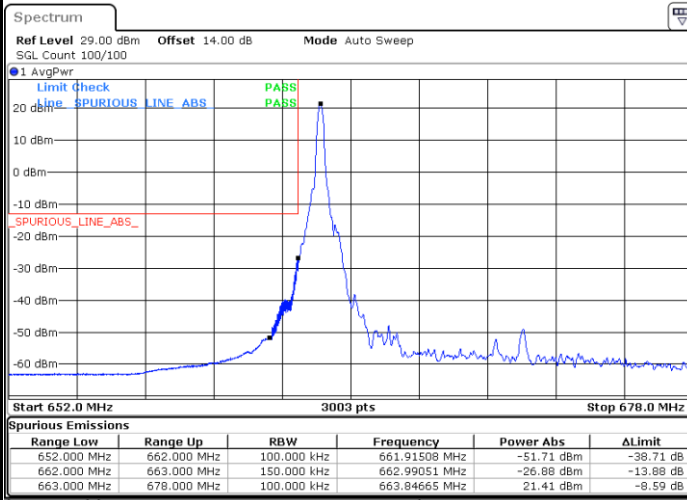


Date: 28.MAR.2022 16:35:36



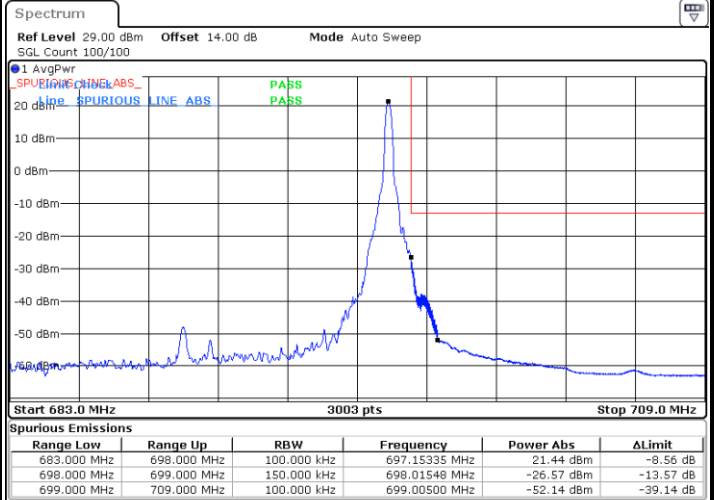
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / 1 RB



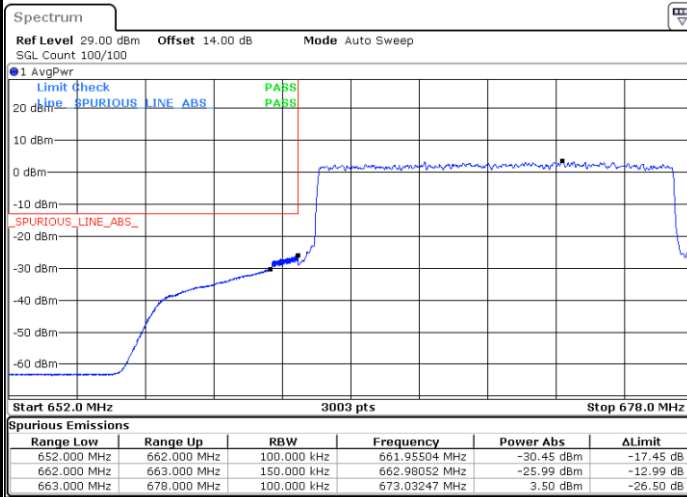
Date: 28.MAR.2022 16:39:14

Highest Band Edge / 1 RB



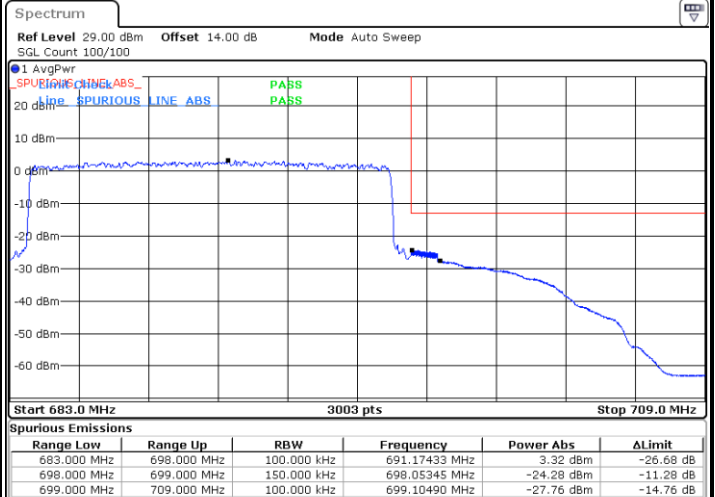
Date: 28.MAR.2022 16:50:24

Lowest Band Edge / Full RB



Date: 28.MAR.2022 16:41:40

Highest Band Edge / Full RB

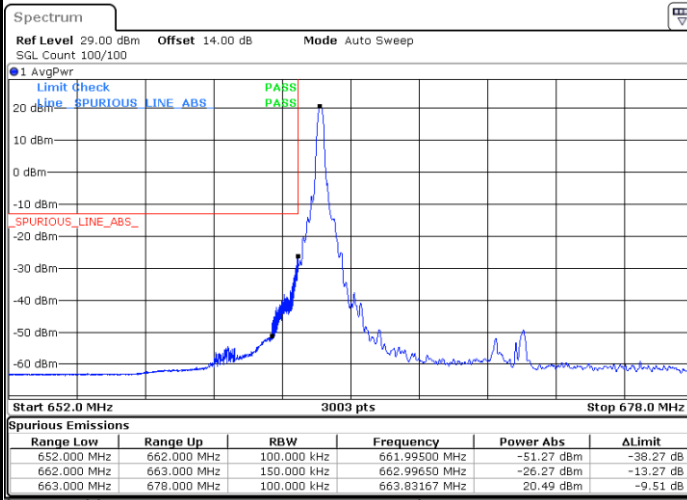


Date: 28.MAR.2022 16:52:50



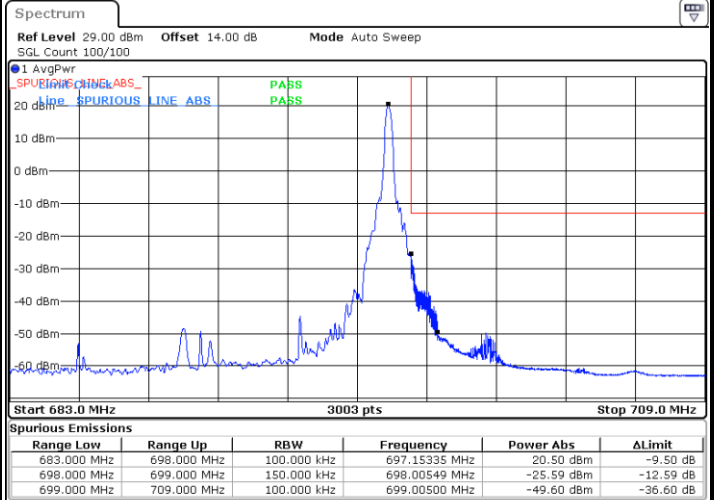
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



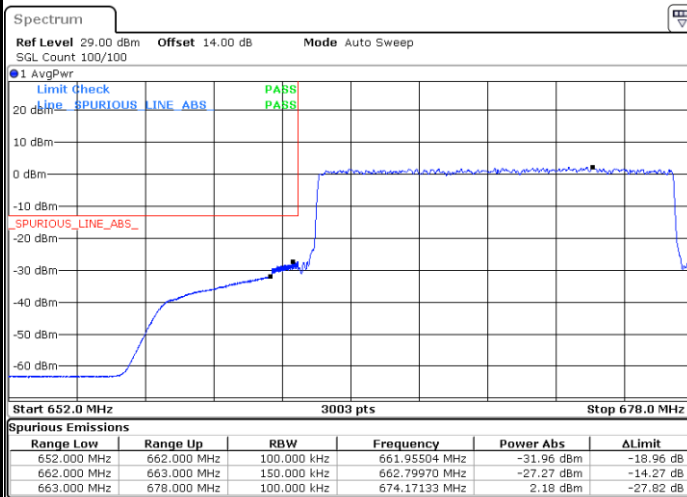
Date: 28.MAR.2022 16:40:26

Highest Band Edge / 1 RB



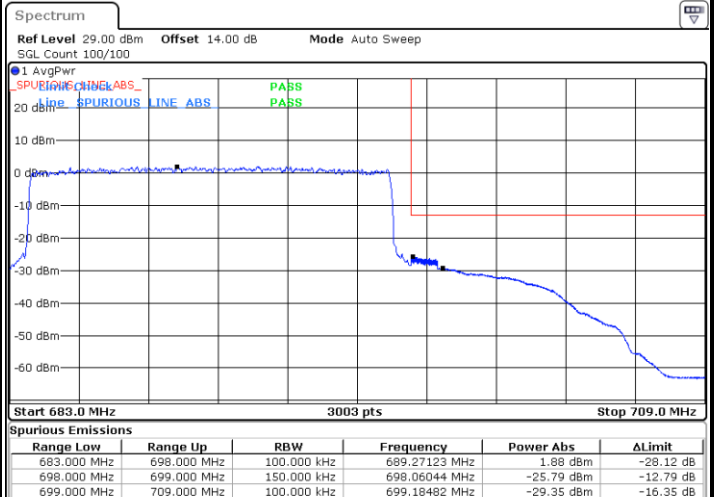
Date: 28.MAR.2022 16:51:37

Lowest Band Edge / Full RB



Date: 28.MAR.2022 16:42:52

Highest Band Edge / Full RB

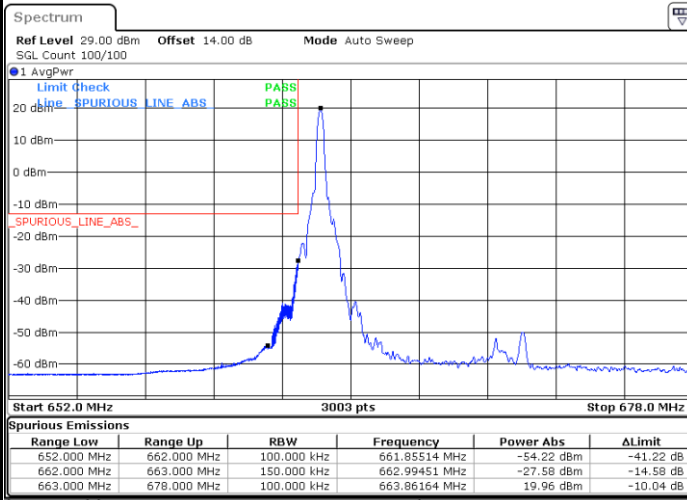


Date: 28.MAR.2022 16:54:03



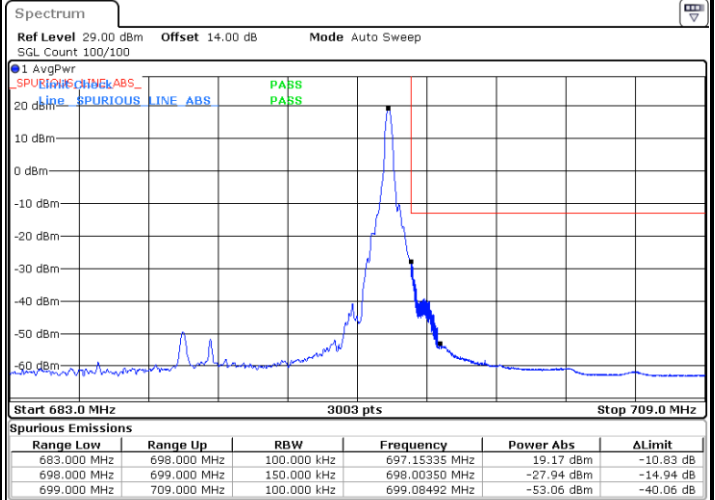
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



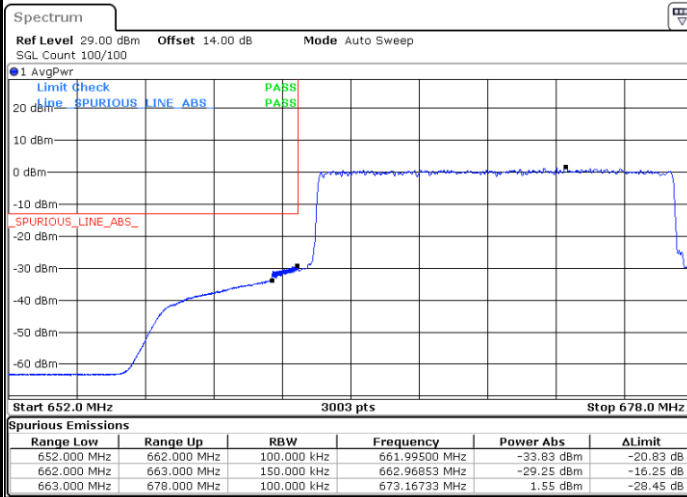
Date: 28.MAR.2022 16:57:29

Highest Band Edge / 1 RB



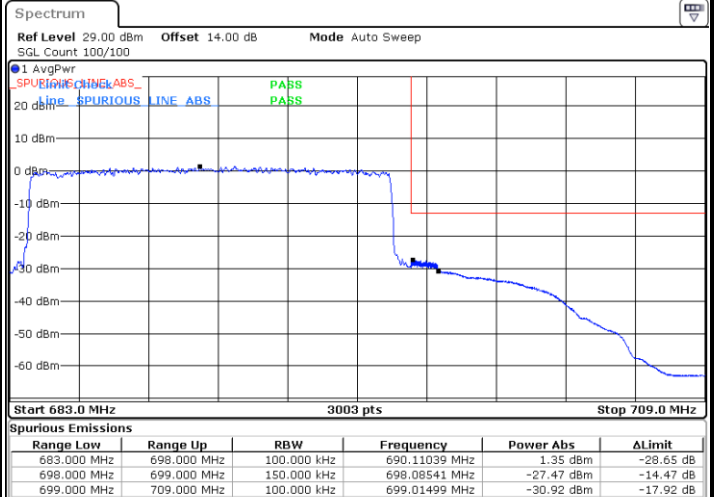
Date: 28.MAR.2022 17:02:48

Lowest Band Edge / Full RB



Date: 28.MAR.2022 16:58:42

Highest Band Edge / Full RB

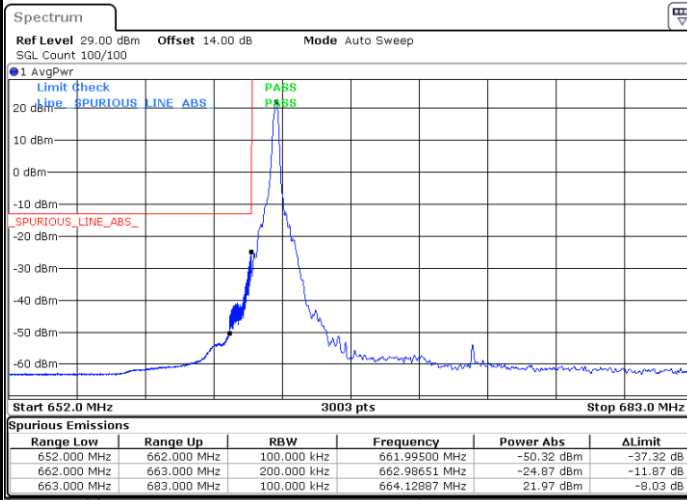


Date: 28.MAR.2022 17:04:01



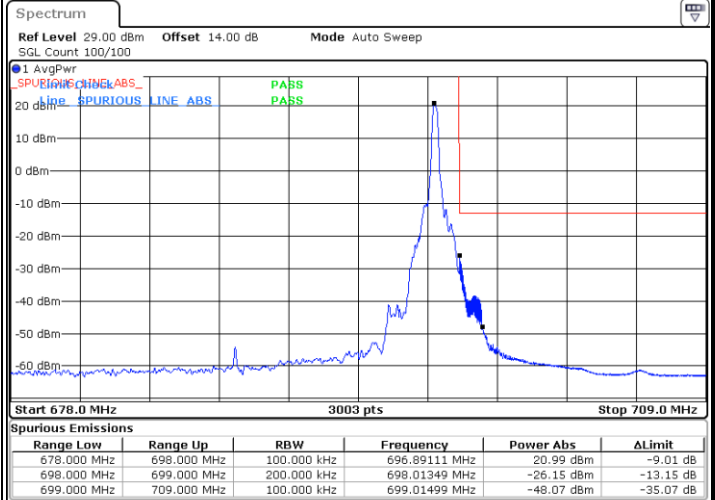
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



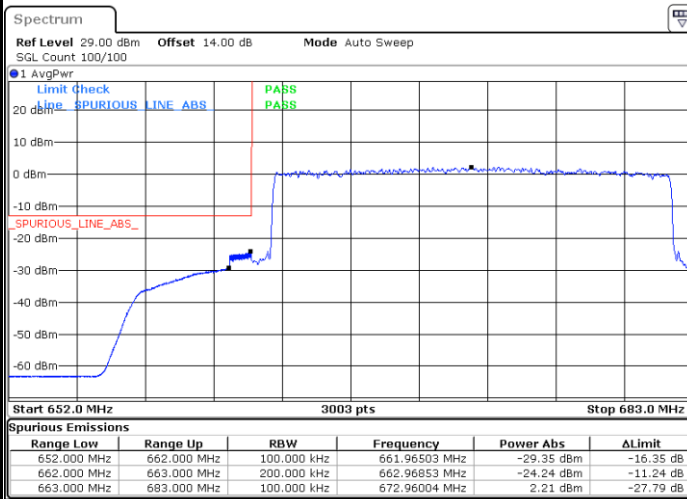
Date: 28.MAR.2022 17:07:38

Highest Band Edge / 1 RB



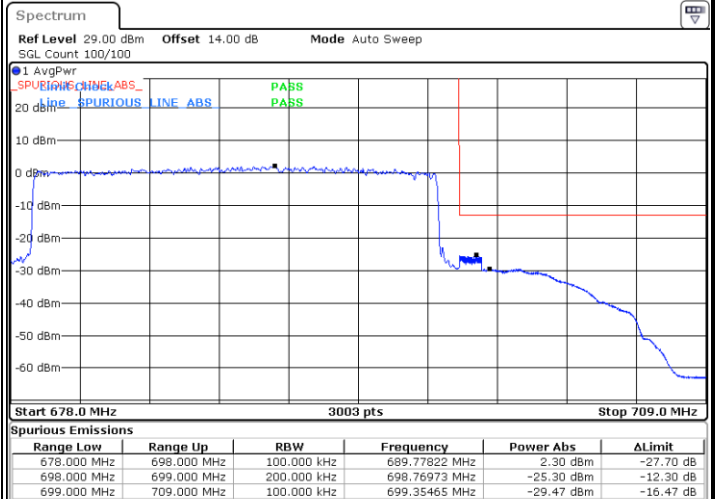
Date: 28.MAR.2022 17:18:49

Lowest Band Edge / Full RB



Date: 28.MAR.2022 17:10:04

Highest Band Edge / Full RB

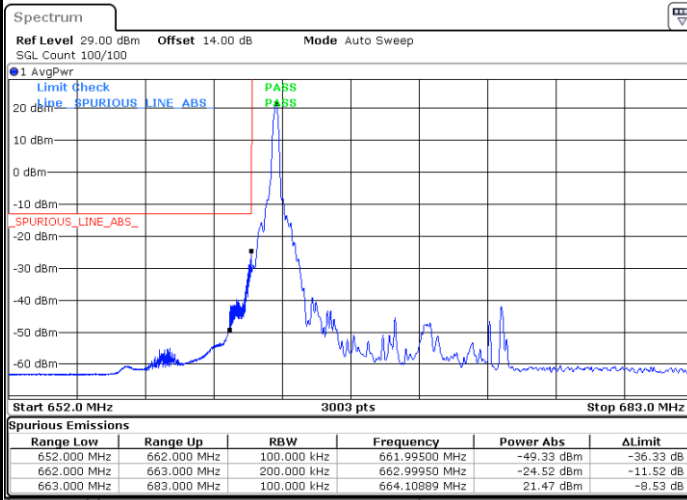


Date: 28.MAR.2022 17:22:28



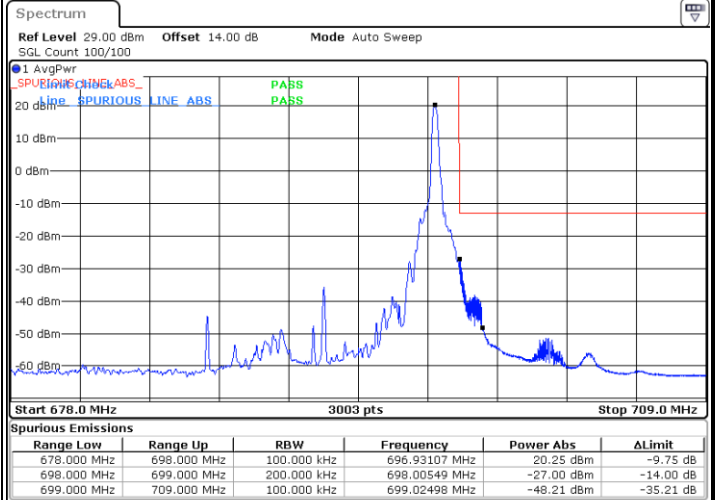
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



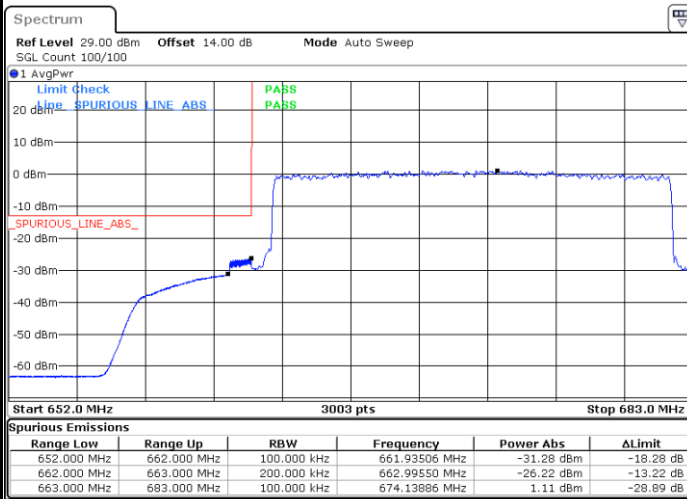
Date: 28.MAR.2022 17:08:51

Highest Band Edge / 1RB



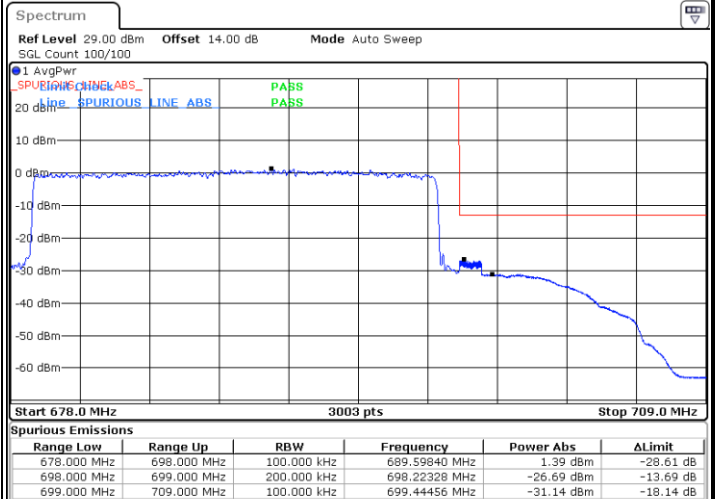
Date: 28.MAR.2022 17:20:02

Lowest Band Edge / Full RB



Date: 28.MAR.2022 17:11:17

Highest Band Edge / Full RB

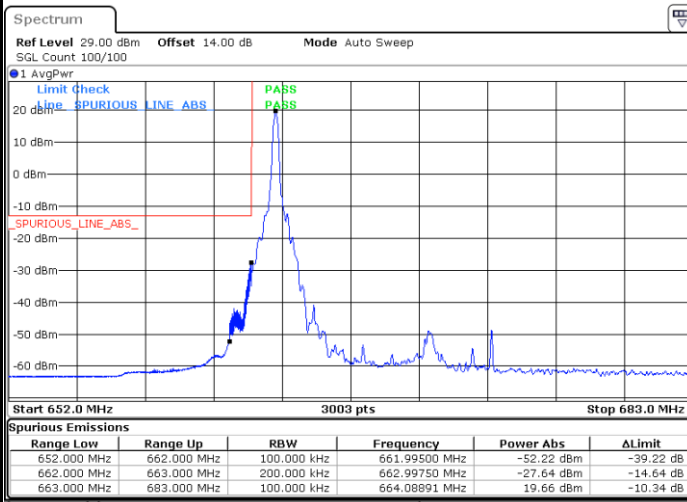


Date: 28.MAR.2022 17:21:16



LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



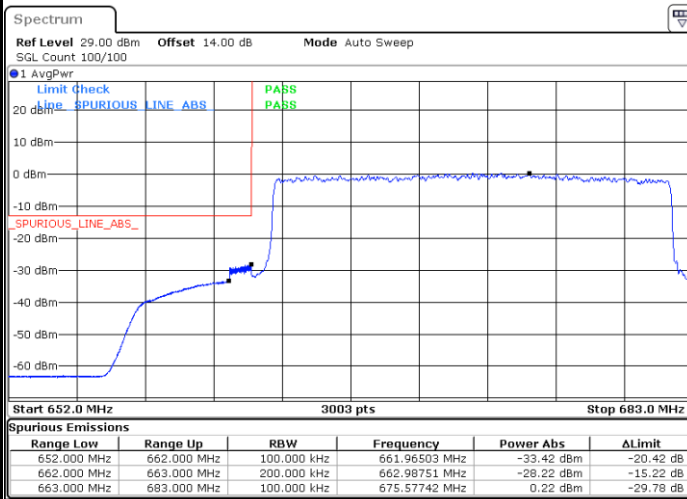
Date: 28.MAR.2022 17:25:54

Highest Band Edge / 1 RB



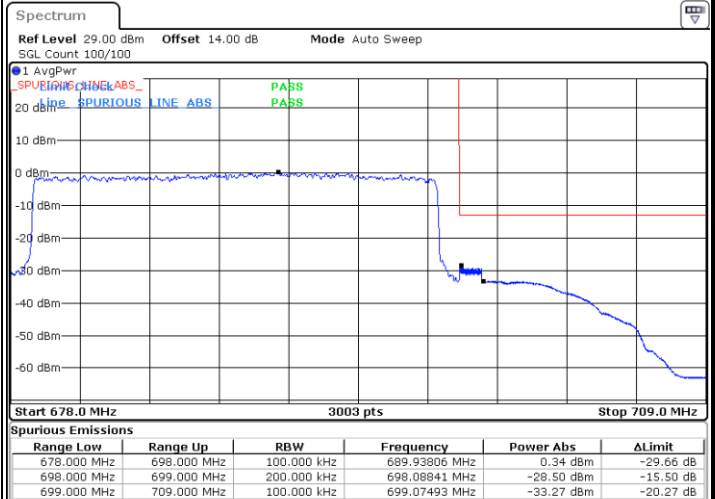
Date: 28.MAR.2022 17:31:12

Lowest Band Edge / Full RB



Date: 28.MAR.2022 17:27:07

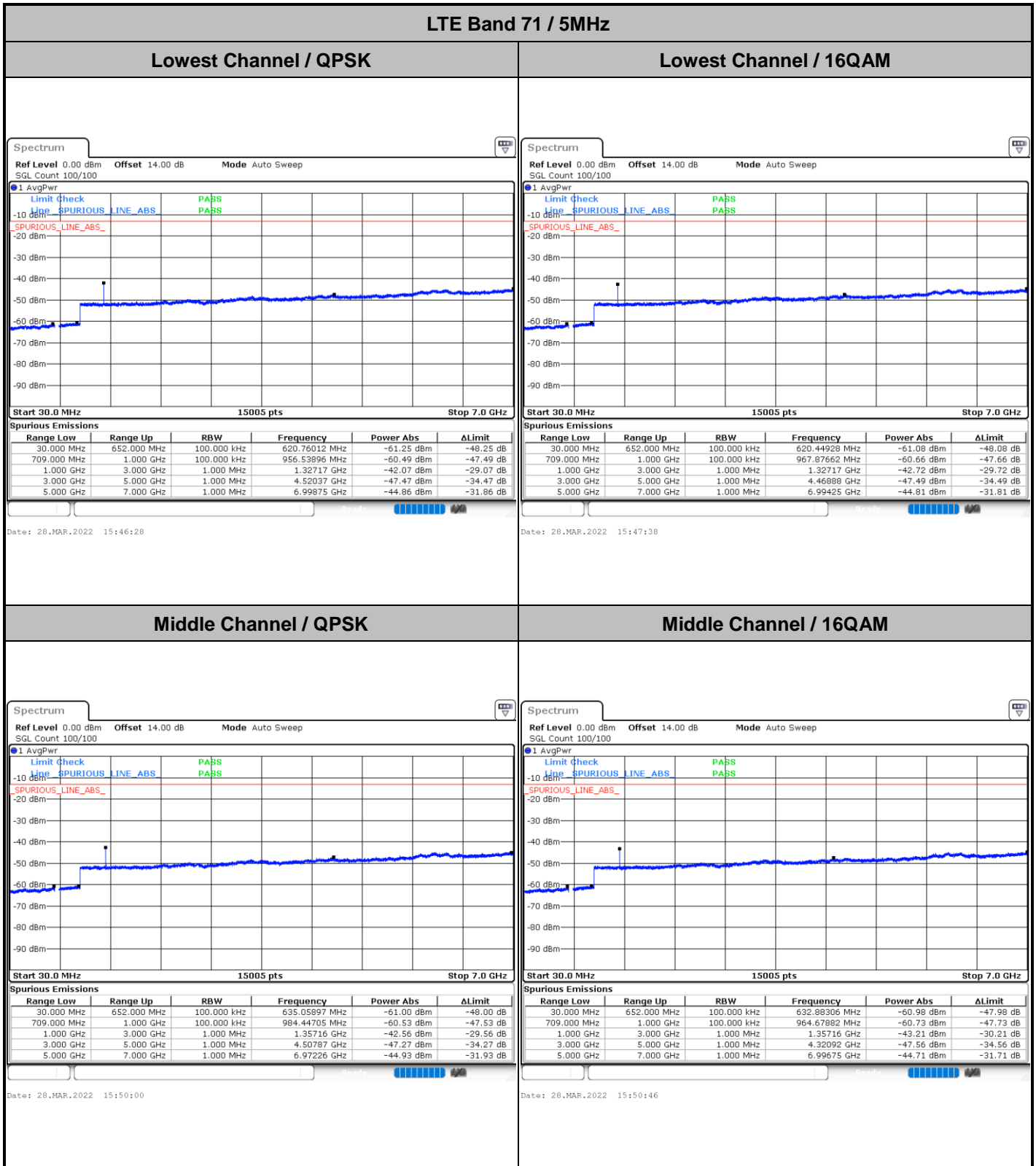
Highest Band Edge / Full RB



Date: 28.MAR.2022 17:32:25



Conducted Spurious Emission

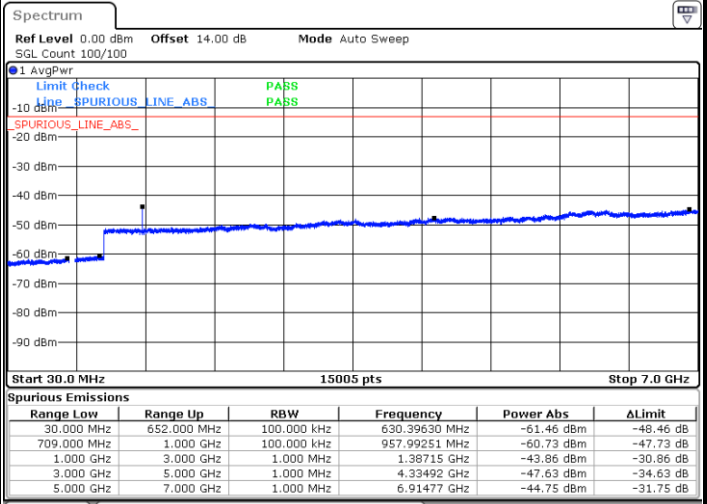
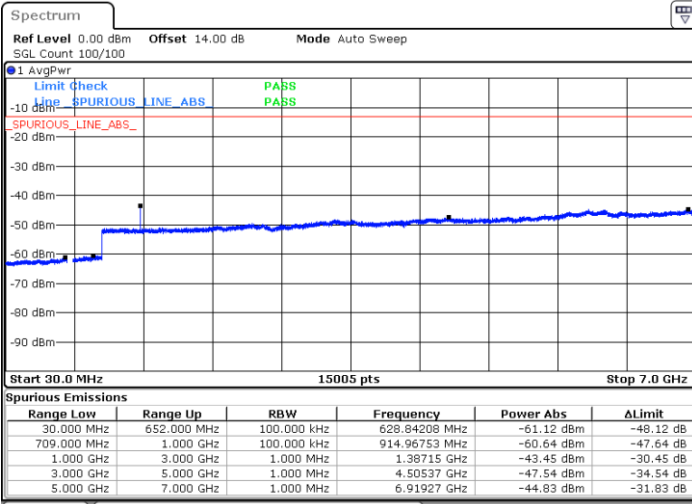




LTE Band 71 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



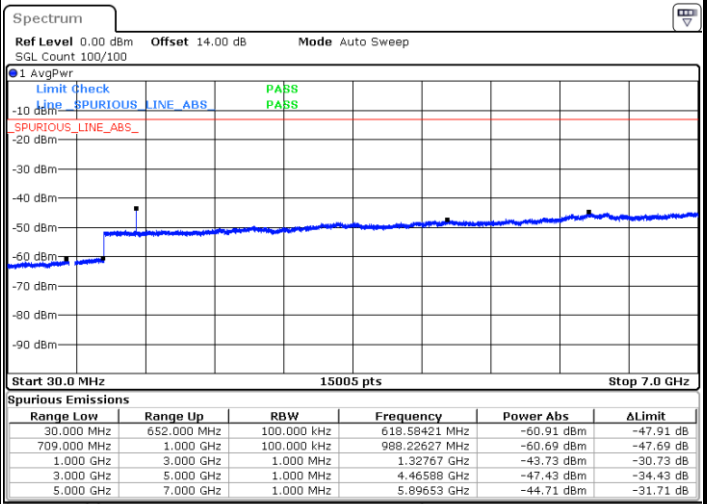
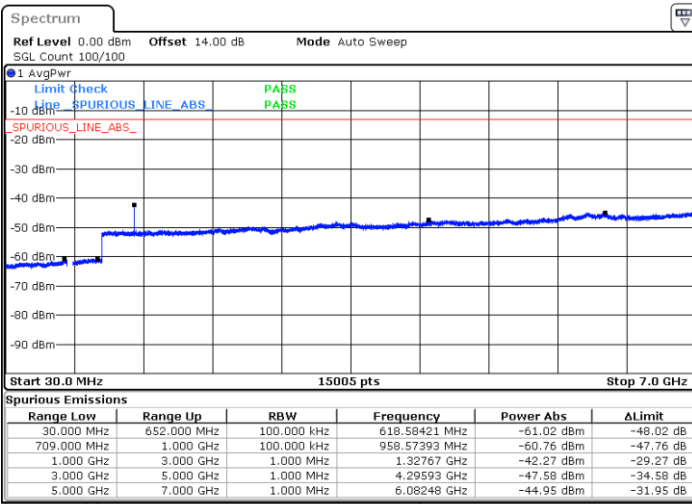
Date: 28.MAR.2022 15:58:03

Date: 28.MAR.2022 15:58:49

LTE Band 71 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 28.MAR.2022 16:15:15

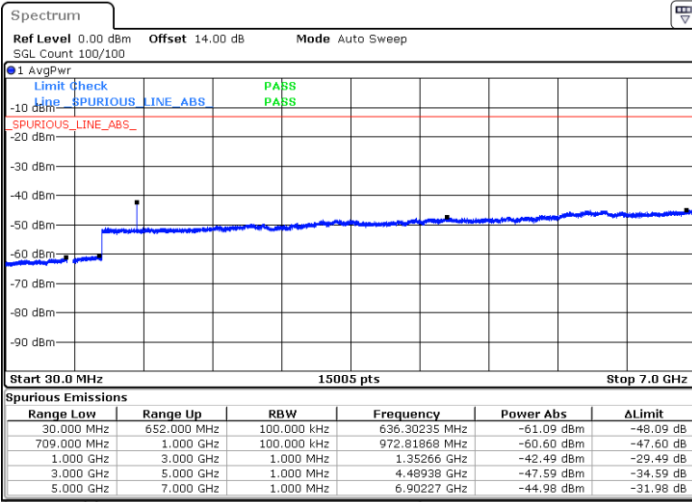
Date: 28.MAR.2022 16:16:01



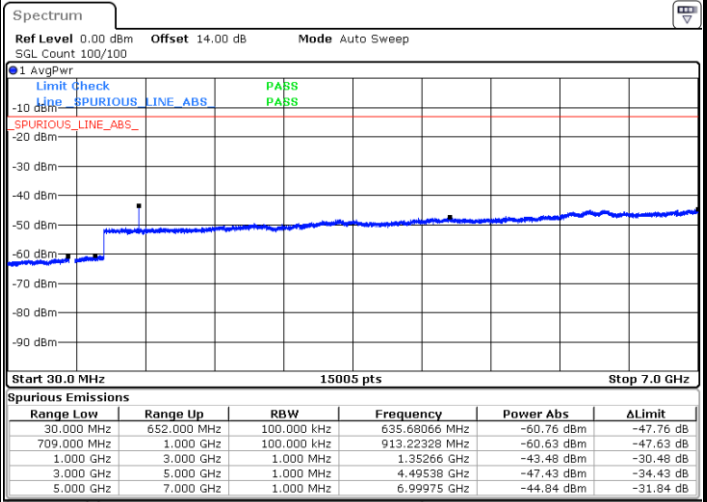
LTE Band 71 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



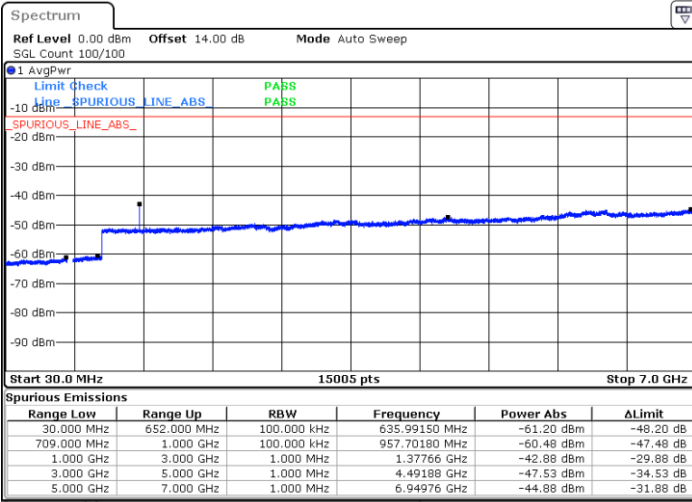
Date: 28.MAR.2022 16:18:24



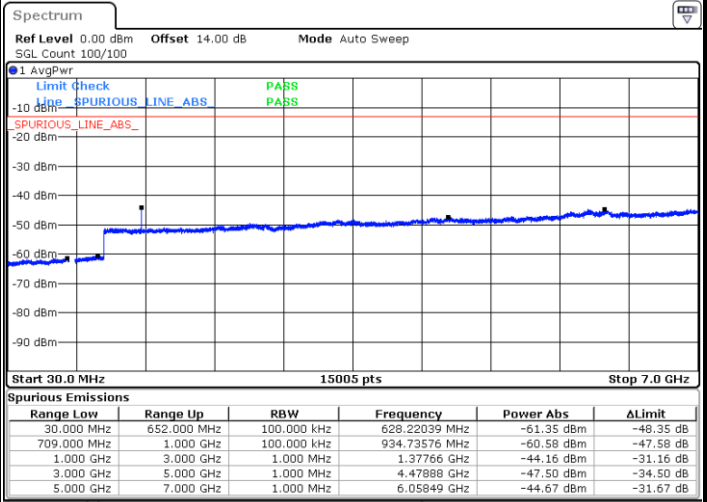
Date: 28.MAR.2022 16:19:10

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28.MAR.2022 16:26:26



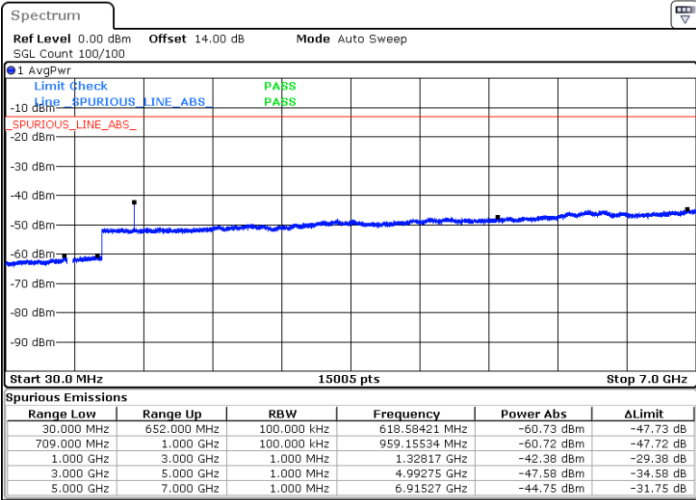
Date: 28.MAR.2022 16:27:13



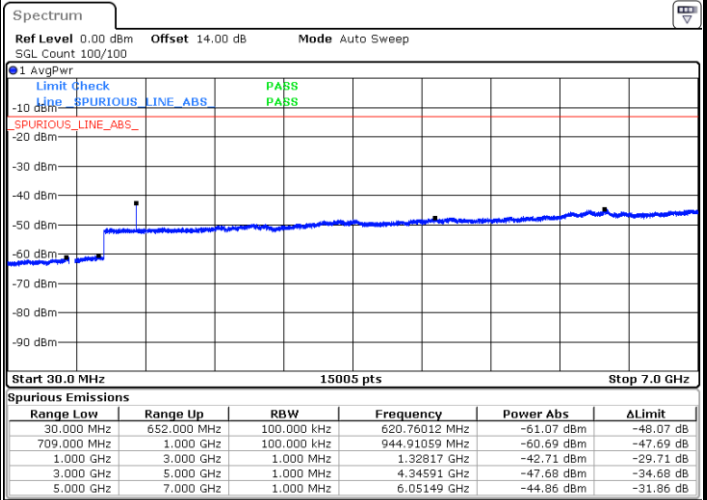
LTE Band 71 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



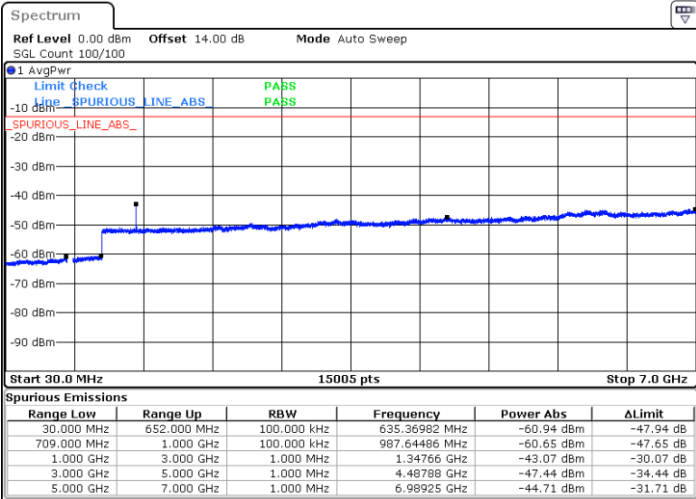
Date: 28.MAR.2022 16:43:39



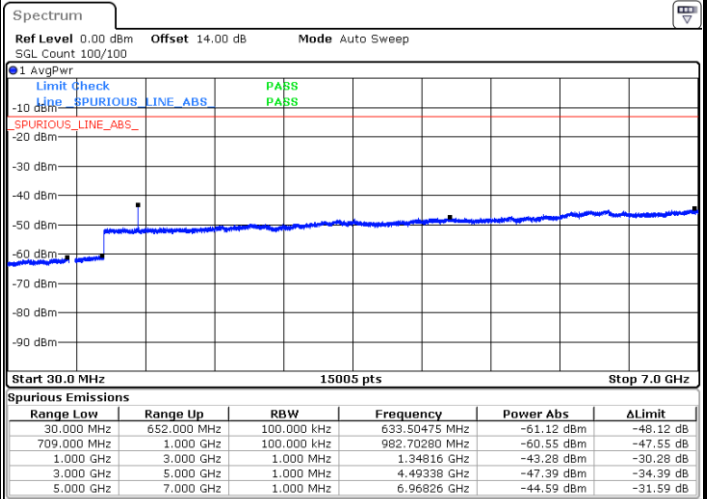
Date: 28.MAR.2022 16:44:25

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 28.MAR.2022 16:46:48



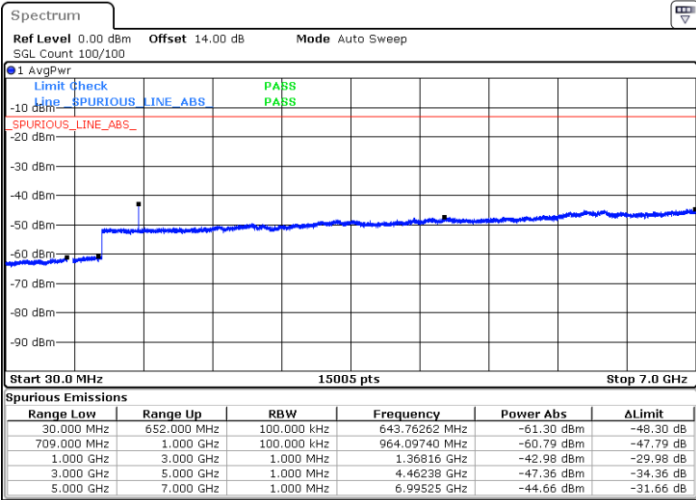
Date: 28.MAR.2022 16:47:33



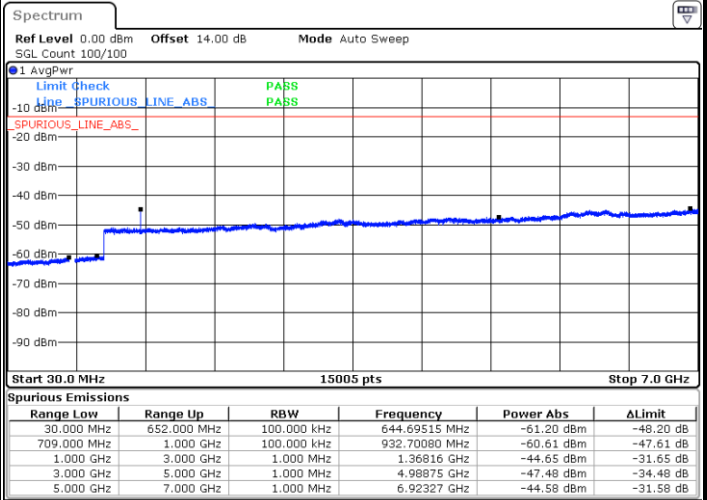
LTE Band71 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28.MAR.2022 16:54:50

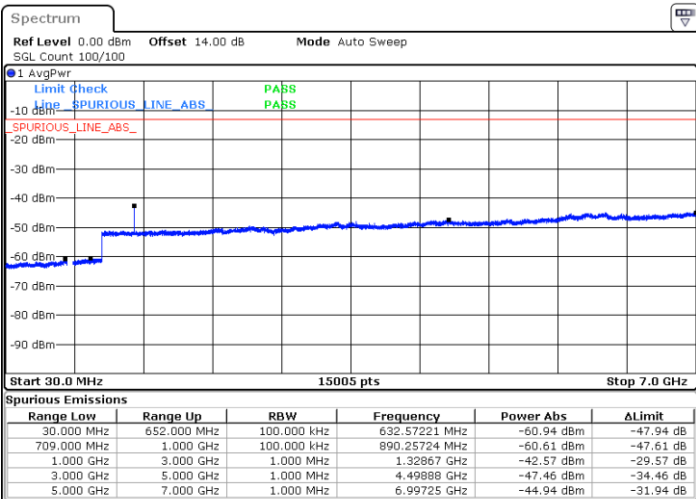


Date: 28.MAR.2022 16:55:36

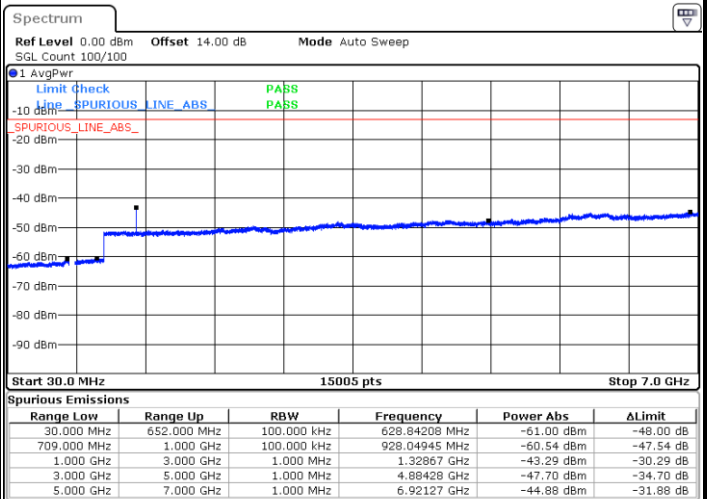
LTE Band 71 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 28.MAR.2022 17:12:04



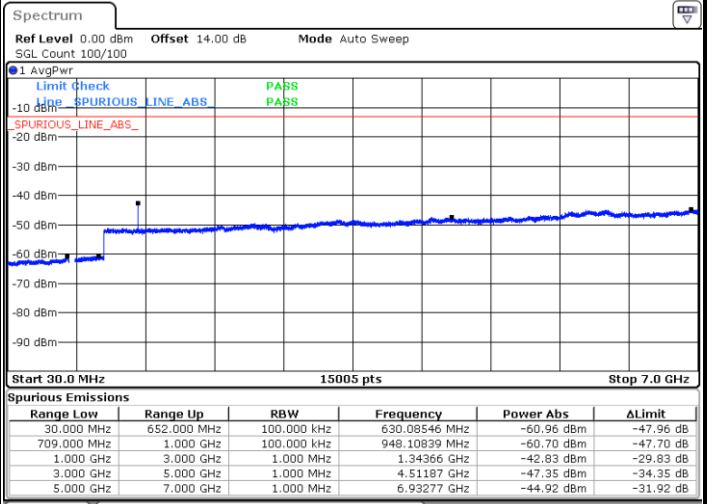
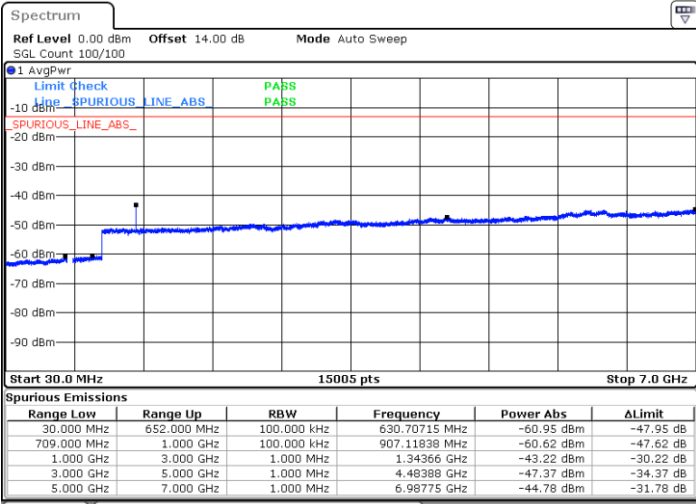
Date: 28.MAR.2022 17:12:50



LTE Band 71 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

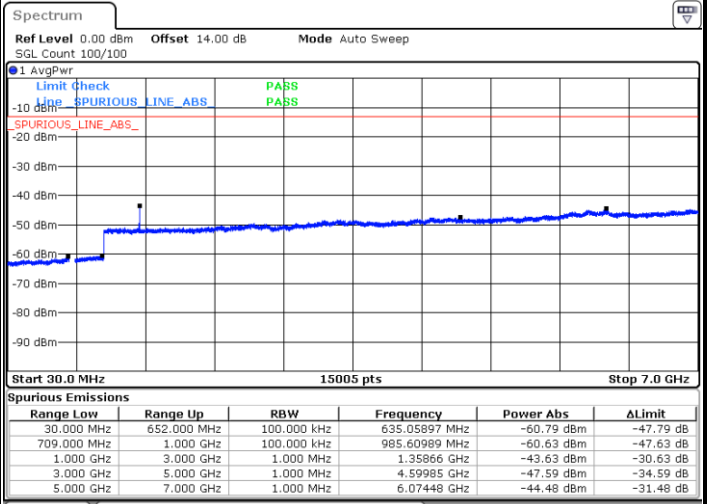
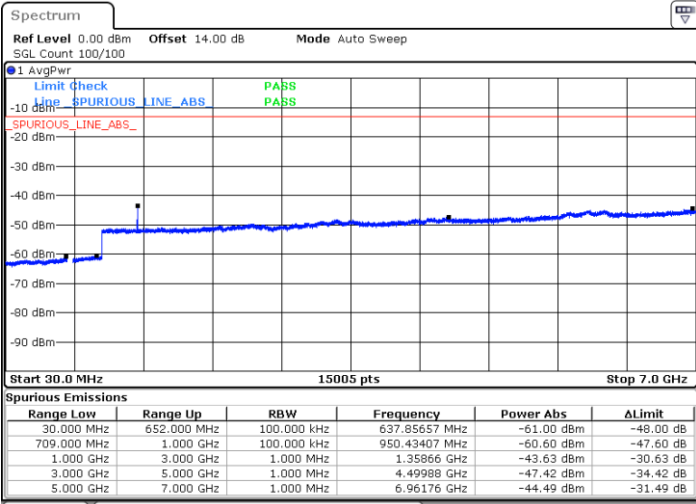


Date: 28.MAR.2022 17:15:13

Date: 28.MAR.2022 17:15:59

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28.MAR.2022 17:23:15

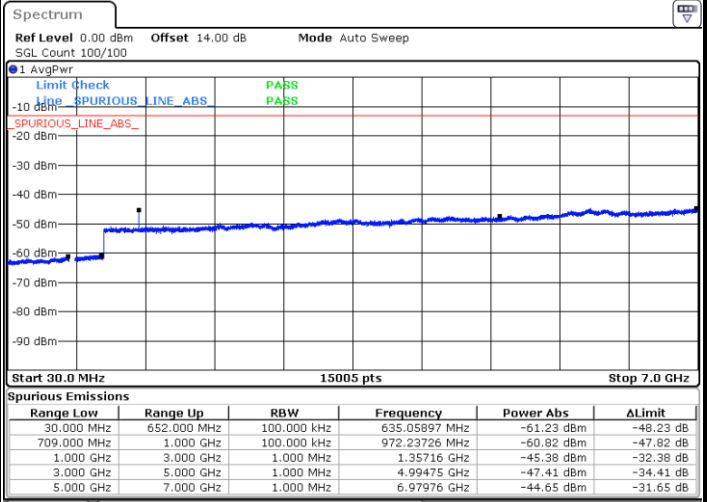
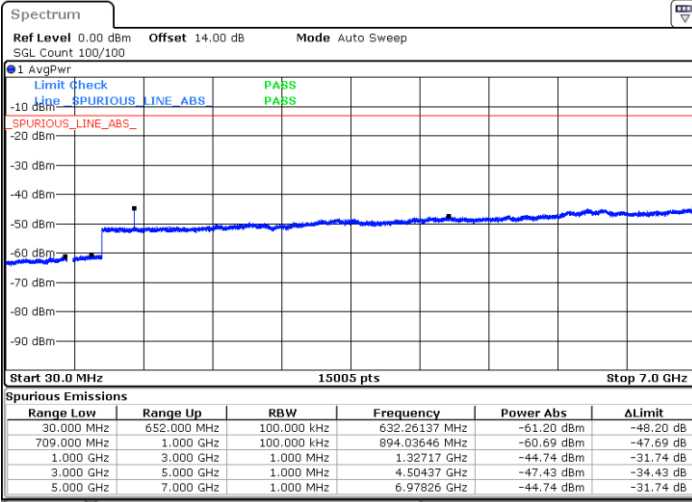
Date: 28.MAR.2022 17:24:01



LTE Band 71 / 5MHz

Lowest Channel / 64QAM

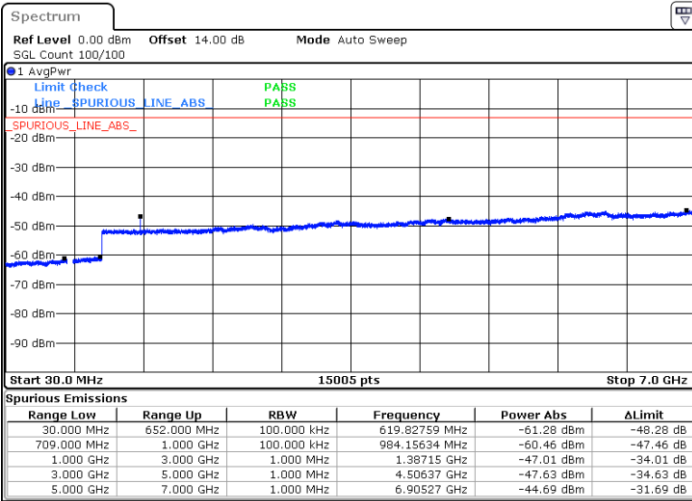
Middle Channel / 64QAM



Date: 28.MAR.2022 16:02:42

Date: 28.MAR.2022 16:04:07

Highest Channel / 64QAM



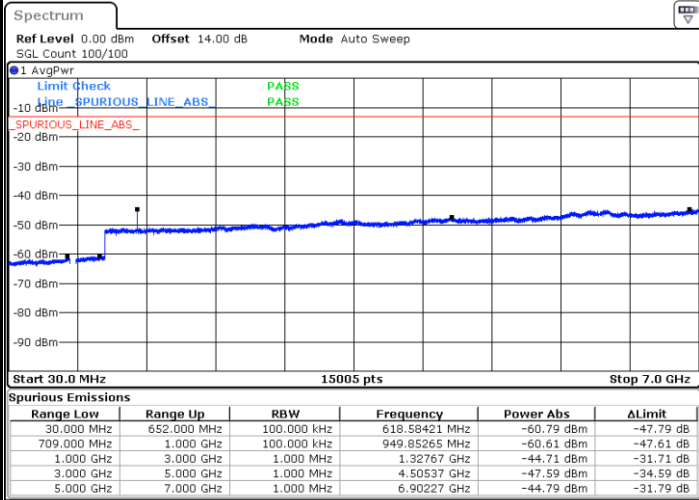
Date: 28.MAR.2022 16:07:59



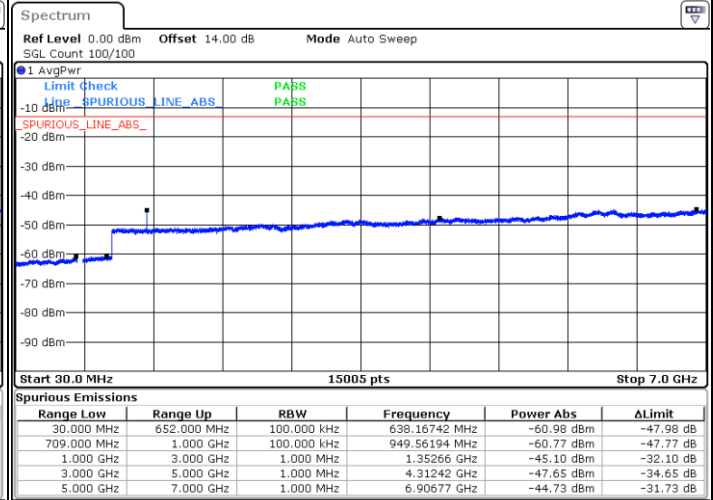
LTE Band 71 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

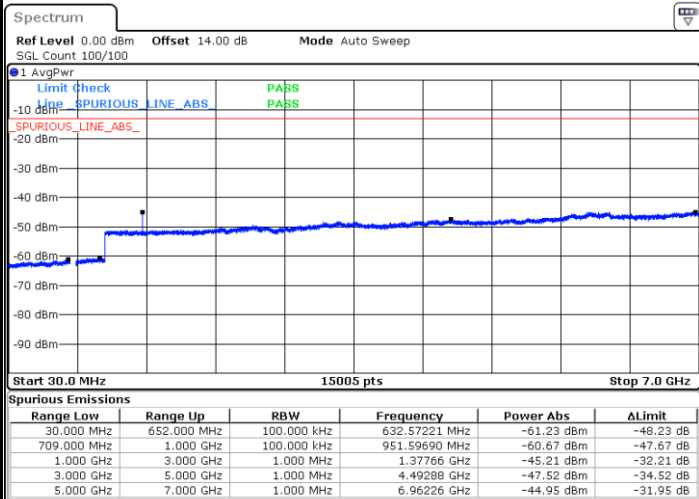


Date: 28.MAR.2022 16:31:05

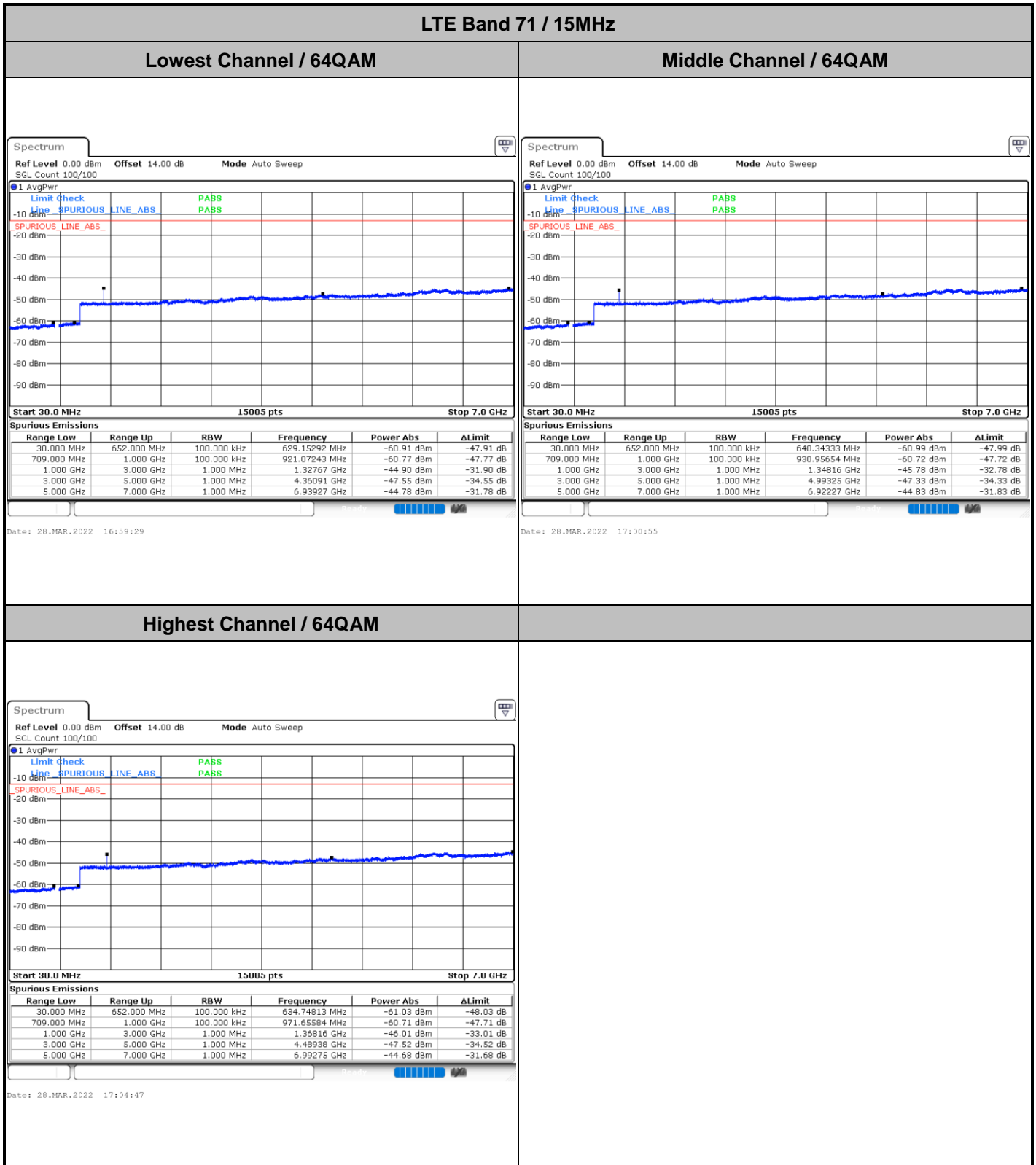


Date: 28.MAR.2022 16:32:31

Highest Channel / 64QAM



Date: 28.MAR.2022 16:36:22

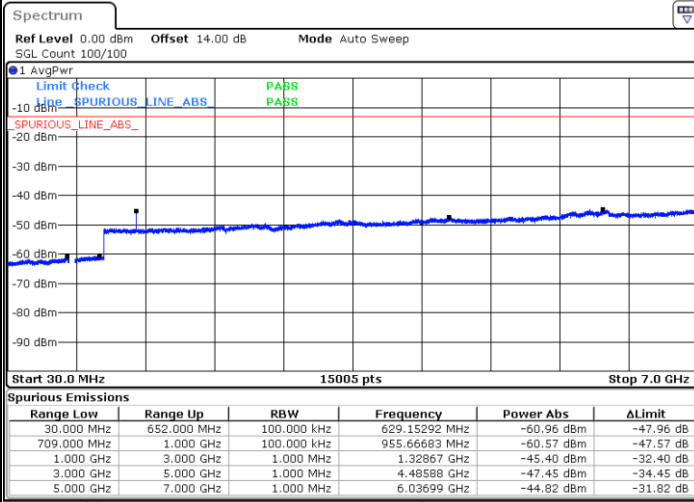




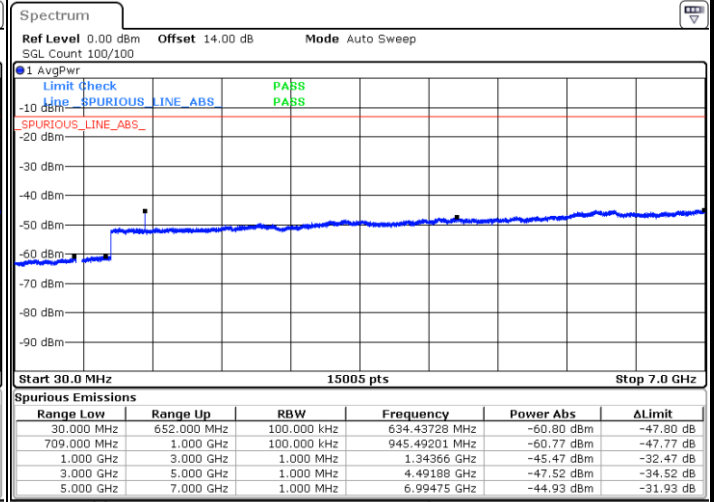
LTE Band 71 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

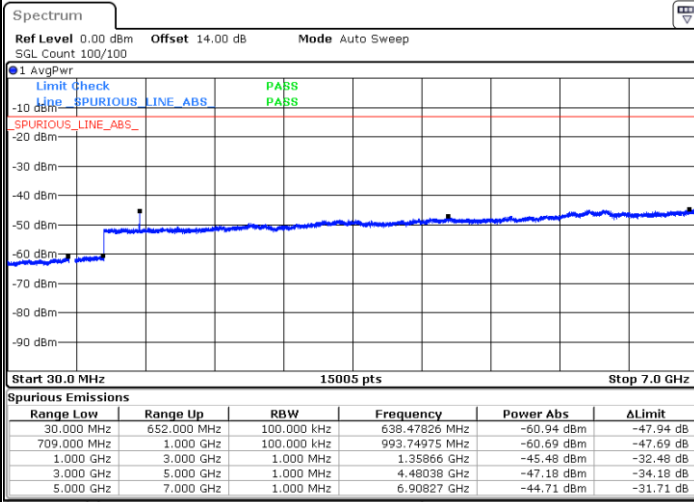


Date: 28.MAR.2022 17:27:54



Date: 28.MAR.2022 17:29:19

Highest Channel / 64QAM



Date: 28.MAR.2022 17:33:11



Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0054	
-30	Normal Voltage	0.0054	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =7.78 V. ; Battery End Point (BEP) =7.3 V. ; Maximum Voltage =8.87 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 :	KuangJia/WenBo XIAO	Temperature :	22~23°C
		Relative Humidity :	40~42%

LTE Band 12 / 10MHz / QPSK (ANT0)									
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	1399	-44.52	-13	-31.52	-52.82	-47.75	3.98	9.36	H
	2098.5	-53.62	-13	-40.62	-64.01	-57.17	4.85	10.55	H
	2798	-62.47	-13	-49.47	-76.04	-67.40	5.50	12.58	H
	1399	-46.53	-13	-33.53	-54.73	-49.76	3.98	9.36	V
	2098.5	-51.34	-13	-38.34	-61.96	-54.89	4.85	10.55	V
	2798	-62.41	-13	-49.41	-75.91	-67.34	5.50	12.58	V
Middle	1406	-45.95	-13	-32.95	-54.25	-49.20	4.00	9.40	H
	2109	-54.70	-13	-41.70	-65.21	-58.27	4.88	10.60	H
	2812	-62.79	-13	-49.79	-76.39	-67.72	5.52	12.60	H
	1406	-47.10	-13	-34.10	-55.29	-50.35	4.00	9.40	V
	2109	-52.45	-13	-39.45	-63.19	-56.02	4.88	10.60	V
	2812	-62.94	-13	-49.94	-76.47	-67.87	5.52	12.60	V
Highest	1413	-44.14	-13	-31.14	-52.43	-47.31	4.10	9.42	H
	2119.5	-53.42	-13	-40.42	-64.06	-57.00	4.90	10.63	H
	2826	-62.87	-13	-49.87	-76.52	-67.79	5.55	12.62	H
	1413	-45.70	-13	-32.70	-53.87	-48.87	4.10	9.42	V
	2119.5	-52.25	-13	-39.25	-63.14	-55.83	4.90	10.63	V
	2826	-62.73	-13	-49.73	-76.31	-67.65	5.55	12.62	V

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



LTE Band 13 / 5MHz / QPSK (ANT0)									
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	1554.5	-46.35	-13	-33.35	-54.75	-49.58	3.98	9.36	H
	2331.75	-55.17	-13	-42.17	-66.64	-58.72	4.85	10.55	H
	3109	-61.18	-13	-48.18	-75.92	-66.11	5.50	12.58	H
	1554.5	-48.11	-13	-35.11	-56.28	-51.34	3.98	9.36	V
	2331.75	-52.14	-13	-39.14	-63.64	-55.69	4.85	10.55	V
	3109	-61.28	-13	-48.28	-75.84	-66.21	5.50	12.58	V
Middle	1559.5	-45.02	-42.15	-2.87	-53.41	-48.27	4.00	9.40	H
	2339.25	-52.43	-13	-39.43	-63.91	-56.00	4.88	10.60	H
	3119	-60.96	-13	-47.96	-75.74	-65.89	5.52	12.60	H
	1559.5	-46.24	-42.15	-4.09	-54.40	-49.49	4.00	9.40	V
	2339.25	-51.34	-13	-38.34	-62.83	-54.91	4.88	10.60	V
	3119	-61.13	-13	-48.13	-75.72	-66.06	5.52	12.60	V
Highest	1564.5	-44.17	-42.15	-2.02	-52.55	-47.34	4.10	9.42	H
	2346.75	-54.20	-13	-41.20	-65.67	-57.78	4.90	10.63	H
	3129	-61.32	-13	-48.32	-76.15	-66.24	5.55	12.62	H
	1564.5	-47.45	-42.15	-5.30	-55.60	-50.62	4.10	9.42	V
	2346.75	-50.36	-13	-37.36	-61.82	-53.94	4.90	10.63	V
	3129	-61.45	-13	-48.45	-76.07	-66.37	5.55	12.62	V

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

LTE Band 13 / 10MHz / QPSK (ANT0)									
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	1559.5	-53.12	-42.15	-10.97	-61.51	-56.37	4.00	9.40	H
	2339.25	-61.53	-13	-48.53	-73.01	-65.10	4.88	10.60	H
	3119	-62.08	-13	-49.08	-76.86	-67.01	5.52	12.60	H
	1559.5	-55.25	-42.15	-13.10	-63.41	-58.50	4.00	9.40	V
	2339.25	-60.09	-13	-47.09	-71.58	-63.66	4.88	10.60	V
	3119	-62.21	-13	-49.21	-76.80	-67.14	5.52	12.60	V

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



LTE Band 71 / 20MHz / QPSK (ANT0)									
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	1328	-38.94	-13	-25.94	-46.39	-42.17	3.98	9.36	H
	1992	-45.43	-13	-32.43	-54.54	-48.98	4.85	10.55	H
	2656	-63.30	-13	-50.30	-76.06	-68.23	5.50	12.58	H
	1328	-43.14	-13	-30.14	-50.53	-46.37	3.98	9.36	V
	1992	-52.13	-13	-39.13	-61.34	-55.68	4.85	10.55	V
	2656	-63.79	-13	-50.79	-76.42	-68.72	5.50	12.58	V
Middle	1343	-38.76	-13	-25.76	-46.35	-42.01	4.00	9.40	H
	2014.5	-48.26	-13	-35.26	-57.62	-51.83	4.88	10.60	H
	2686	-63.05	-13	-50.05	-75.97	-67.98	5.52	12.60	H
	1343	-44.92	-13	-31.92	-52.44	-48.17	4.00	9.40	V
	2014.5	-52.98	-13	-39.98	-62.45	-56.55	4.88	10.60	V
	2686	-63.35	-13	-50.35	-76.15	-68.28	5.52	12.60	V
Highest	1358	-40.54	-13	-27.54	-48.33	-43.71	4.10	9.42	H
	2037	-48.15	-13	-35.15	-57.80	-51.73	4.90	10.63	H
	2716	-63.09	-13	-50.09	-76.16	-68.01	5.55	12.62	H
	1358	-45.84	-13	-32.84	-53.55	-49.01	4.10	9.42	V
	2037	-52.43	-13	-39.43	-62.22	-56.01	4.90	10.63	V
	2716	-63.04	-13	-50.04	-76.01	-67.96	5.55	12.62	V

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