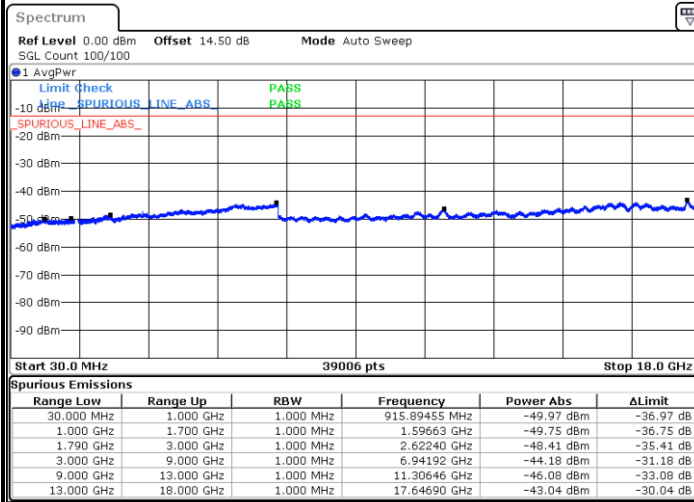




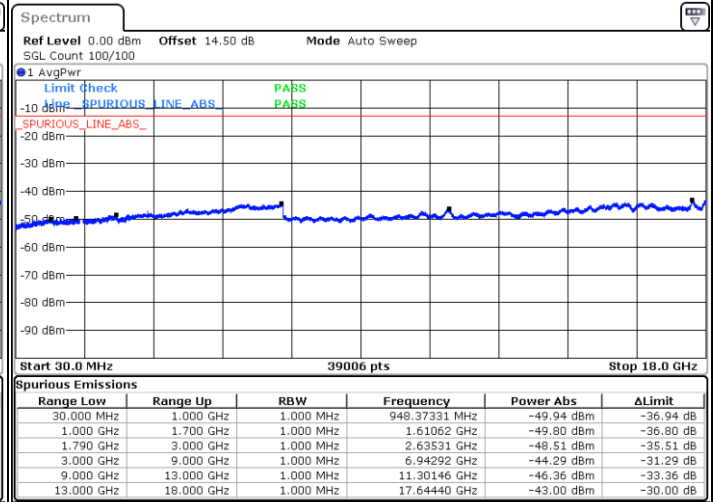
LTE Band 66 / 3MHz

Middle Channel / QPSK



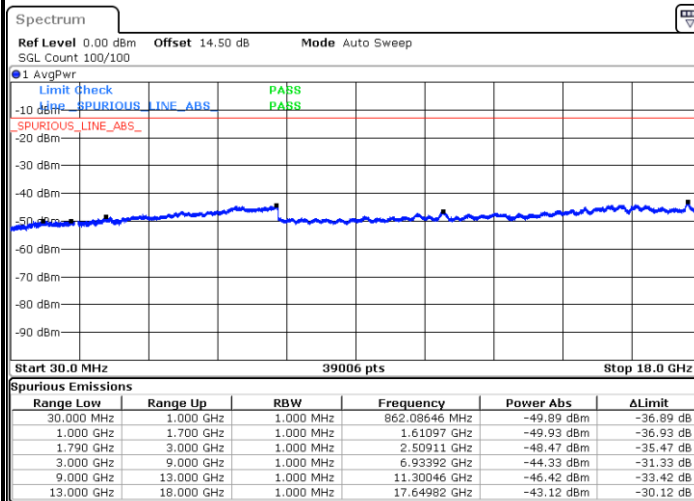
Date: 21.MAR.2022 16:39:10

Middle Channel / 16QAM



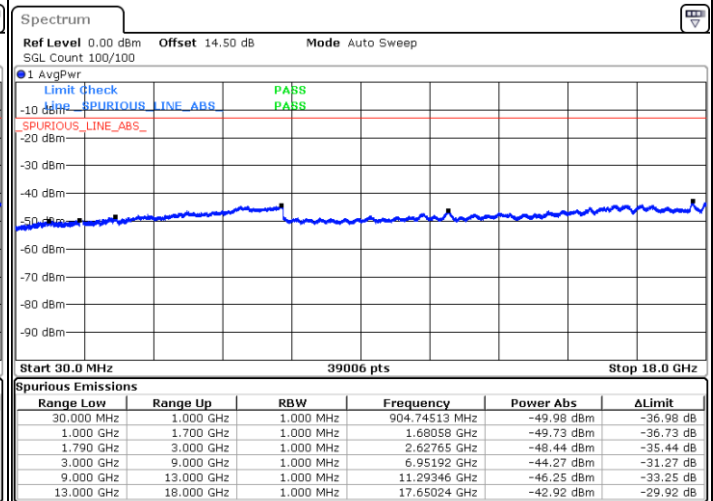
Date: 21.MAR.2022 16:40:03

Highest Channel / QPSK



Date: 21.MAR.2022 16:48:08

Highest Channel / 16QAM

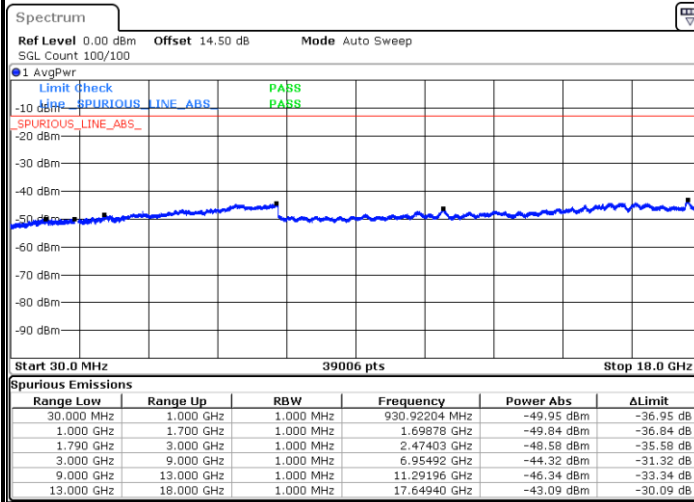


Date: 21.MAR.2022 16:49:02



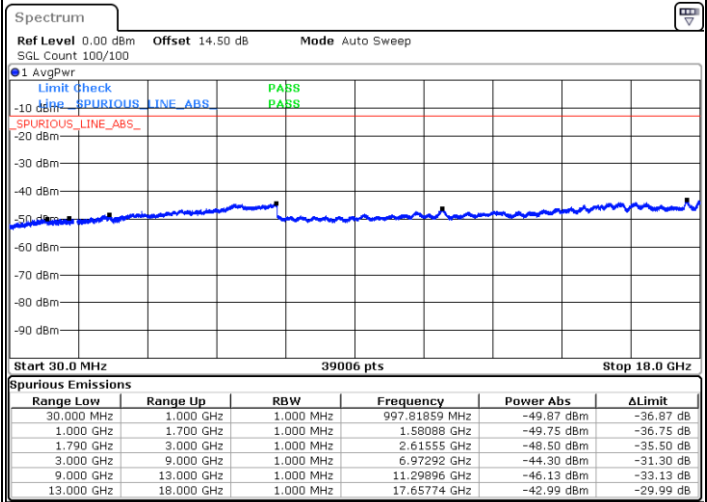
LTE Band 66 / 5MHz

Lowest Channel / QPSK



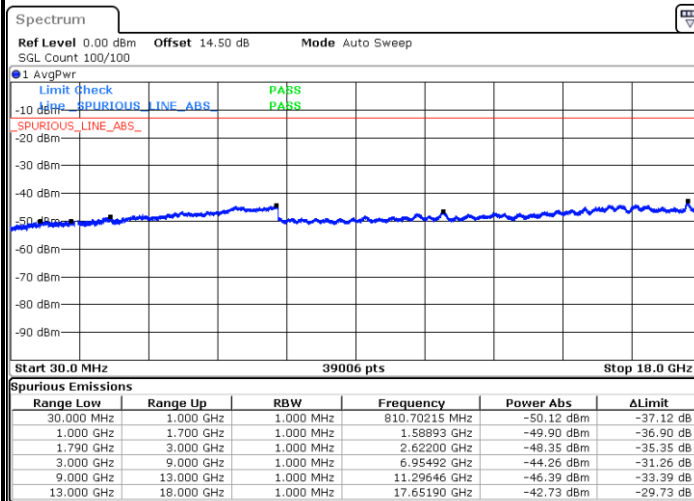
Date: 21.MAR.2022 17:16:08

Lowest Channel / 16QAM



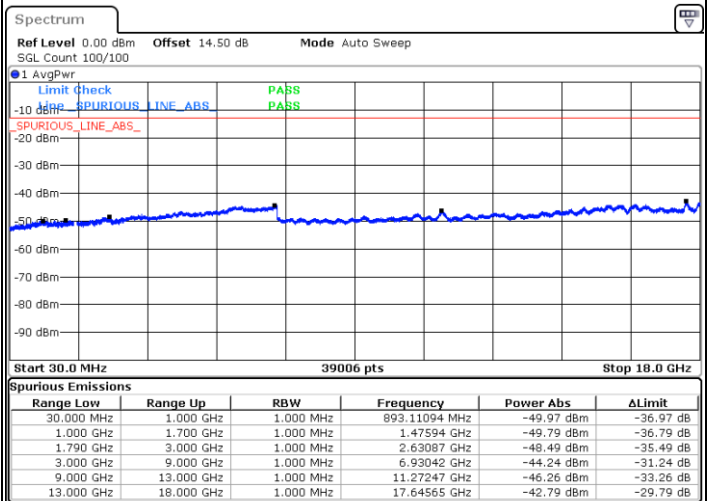
Date: 21.MAR.2022 17:17:01

Middle Channel / QPSK



Date: 21.MAR.2022 17:19:34

Middle Channel / 16QAM

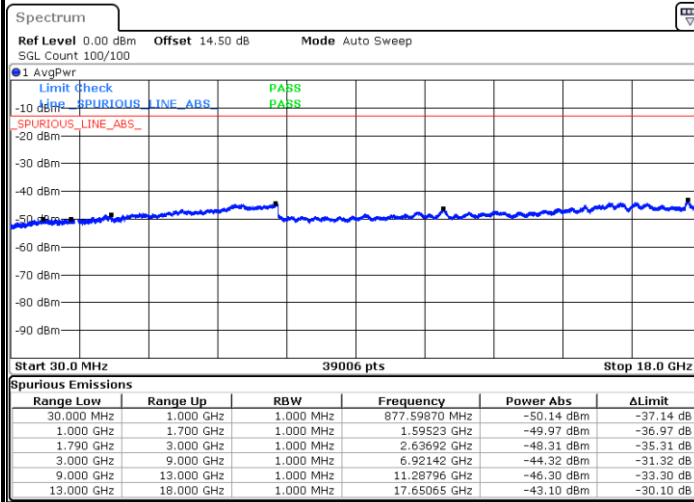


Date: 21.MAR.2022 17:20:28



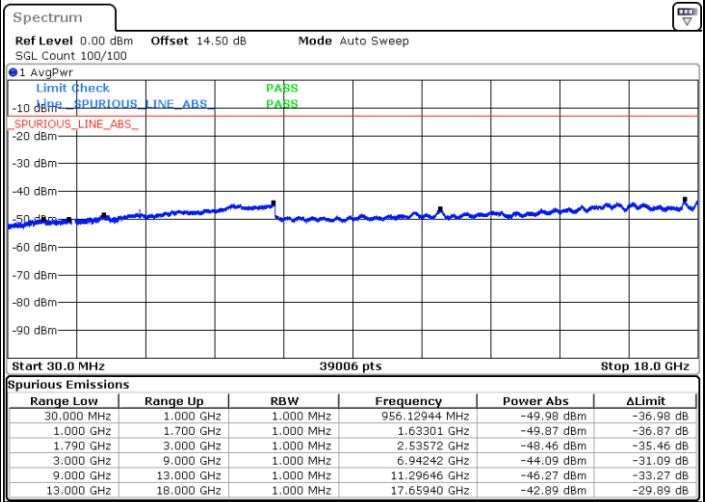
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 21.MAR.2022 17:26:32

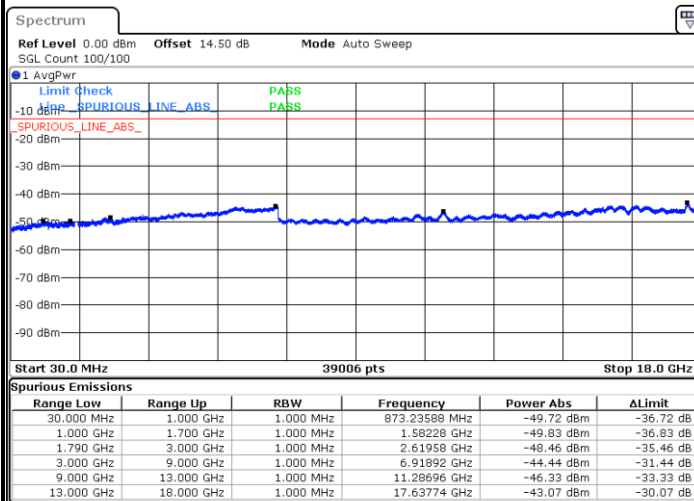
Highest Channel / 16QAM



Date: 21.MAR.2022 17:27:25

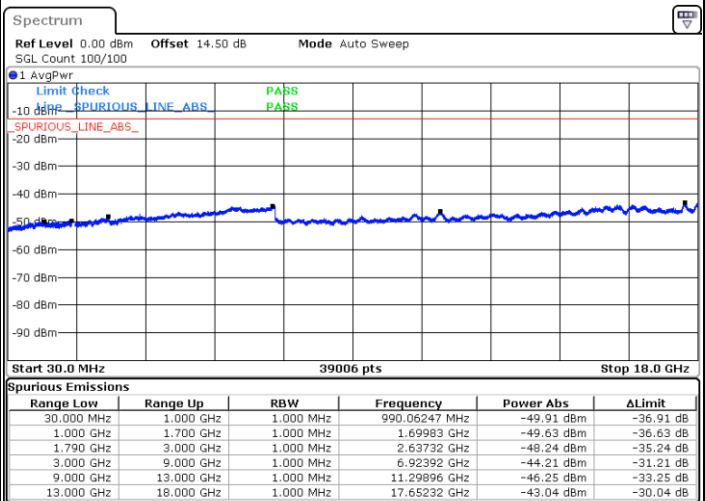
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 21.MAR.2022 17:33:28

Lowest Channel / 16QAM

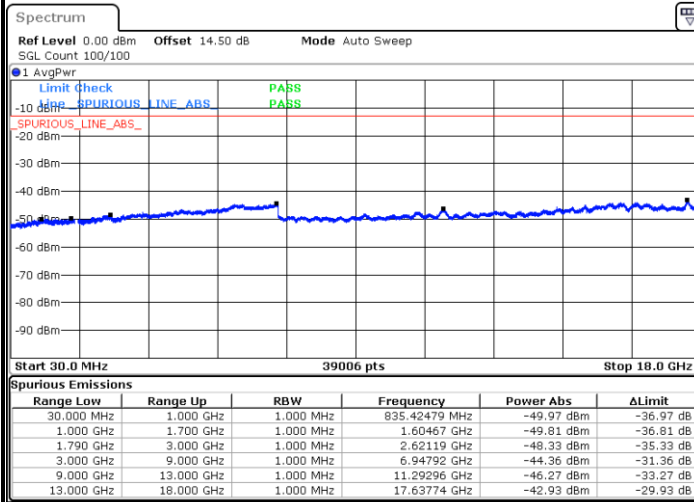


Date: 21.MAR.2022 17:34:22



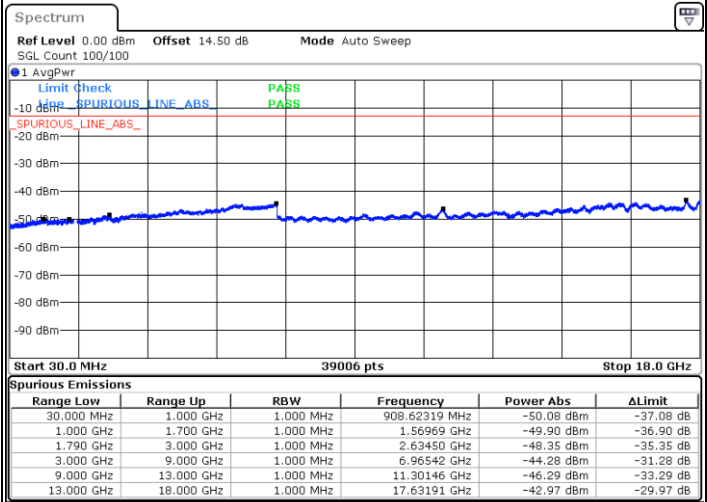
LTE Band 66 / 10MHz

Middle Channel / QPSK



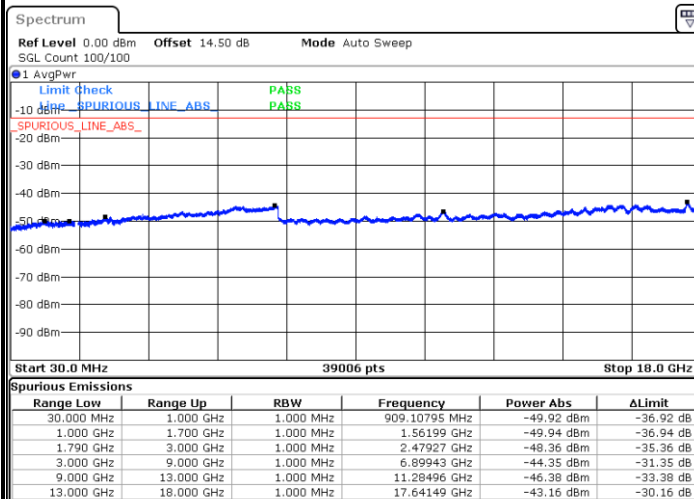
Date: 21.MAR.2022 17:36:54

Middle Channel / 16QAM



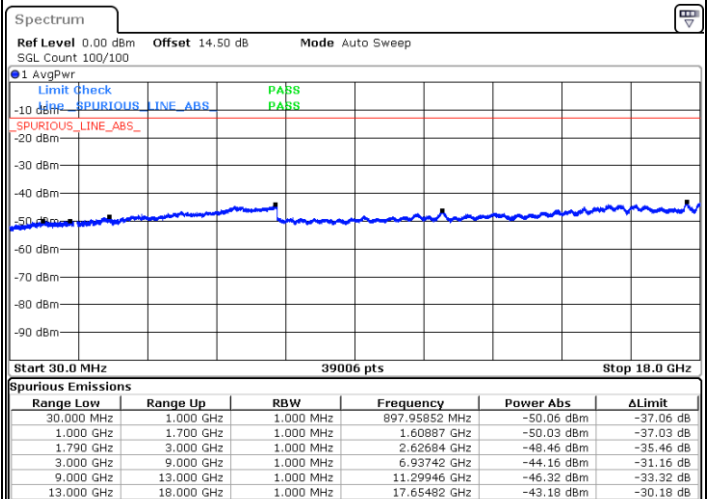
Date: 21.MAR.2022 17:37:47

Highest Channel / QPSK



Date: 22.MAR.2022 09:09:38

Highest Channel / 16QAM

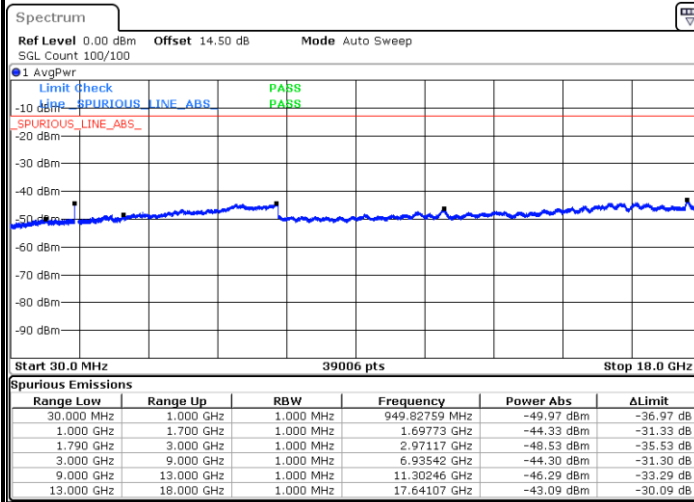


Date: 22.MAR.2022 09:10:29



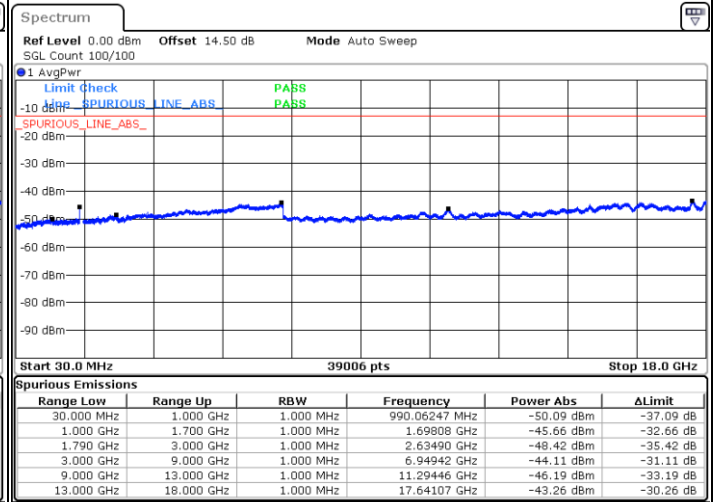
LTE Band 66 / 15MHz

Lowest Channel / QPSK



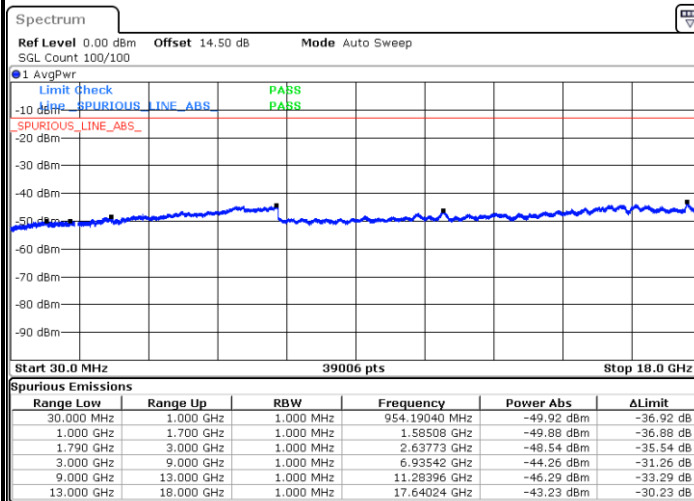
Date: 22.MAR.2022 09:32:21

Lowest Channel / 16QAM



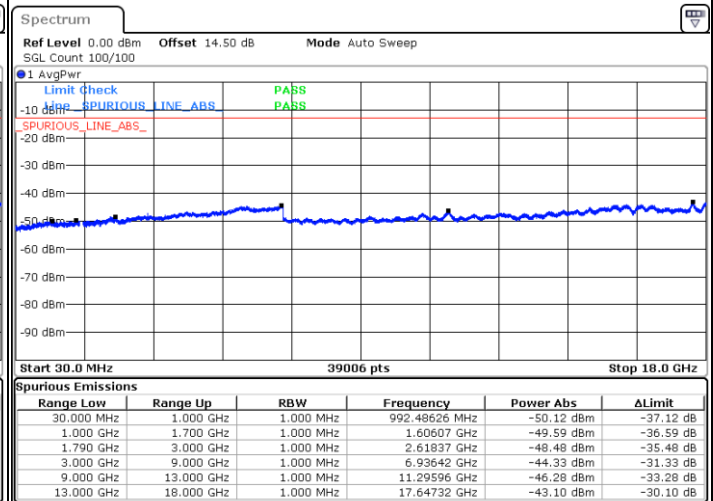
Date: 22.MAR.2022 09:33:12

Middle Channel / QPSK



Date: 22.MAR.2022 09:35:31

Middle Channel / 16QAM

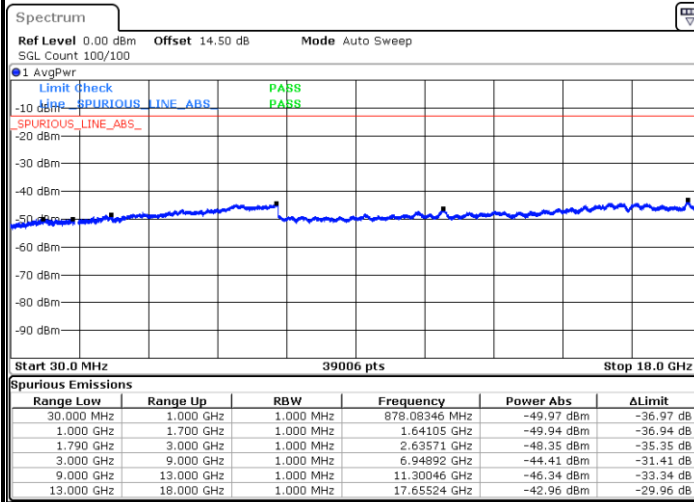


Date: 22.MAR.2022 09:36:22



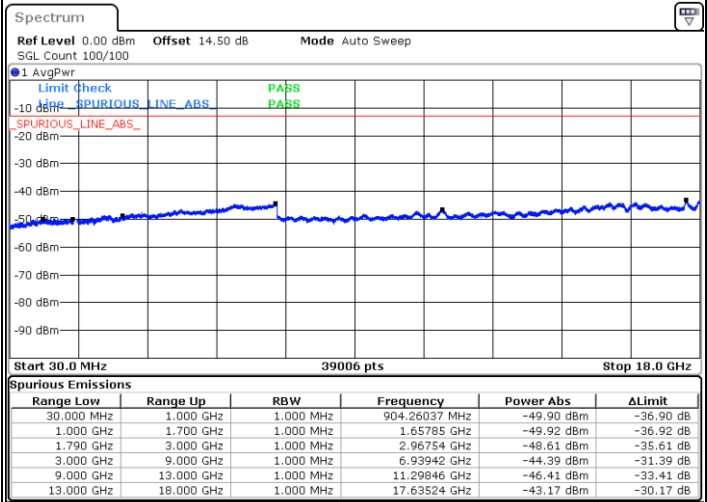
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 22.MAR.2022 09:42:02

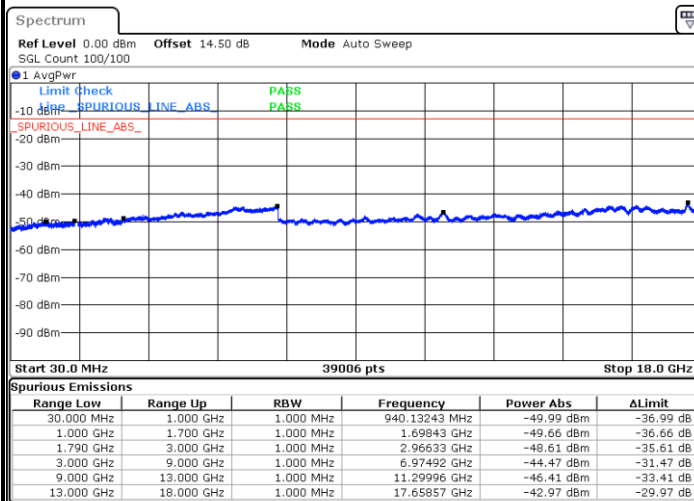
Highest Channel / 16QAM



Date: 22.MAR.2022 09:42:53

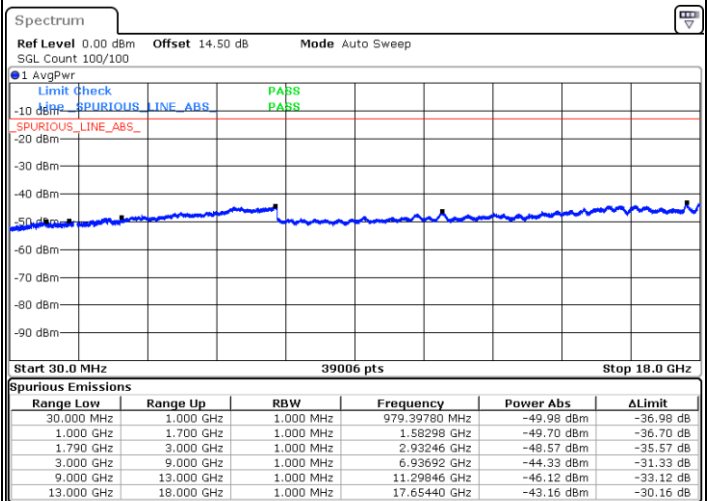
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 22.MAR.2022 09:48:34

Lowest Channel / 16QAM

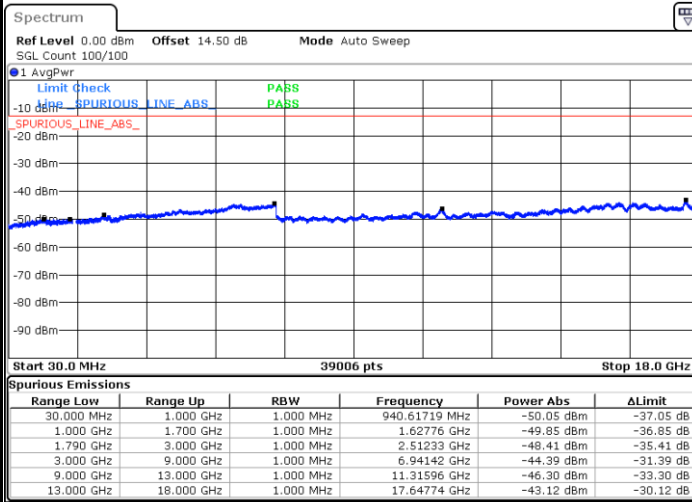


Date: 22.MAR.2022 09:49:24



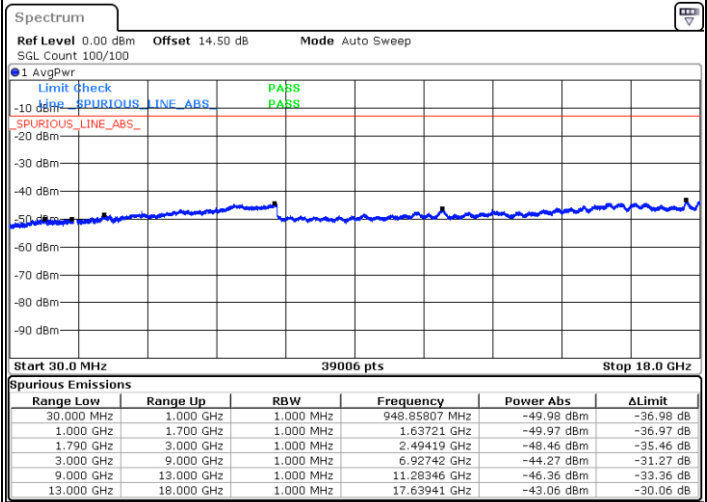
LTE Band 66 / 20MHz

Middle Channel / QPSK



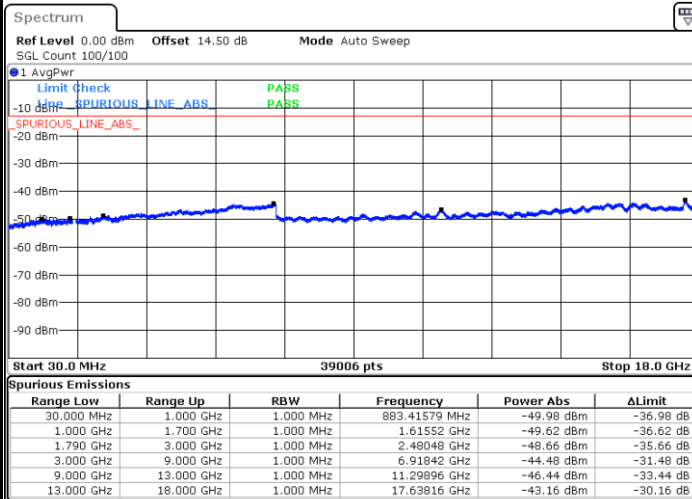
Date: 22.MAR.2022 09:51:44

Middle Channel / 16QAM



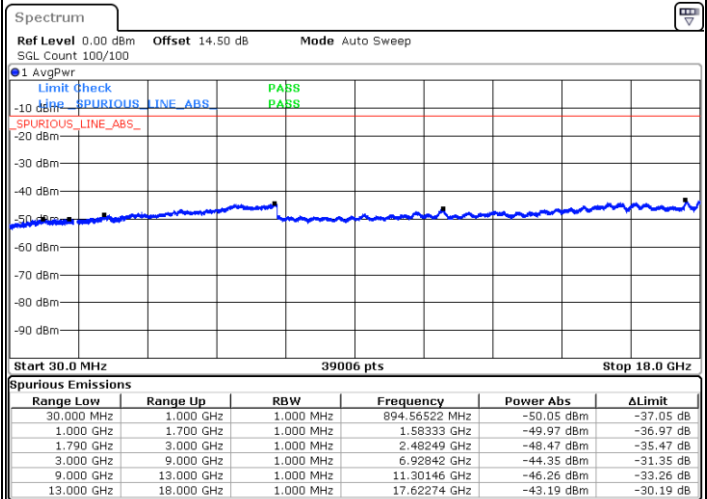
Date: 22.MAR.2022 09:52:35

Highest Channel / QPSK



Date: 22.MAR.2022 09:58:15

Highest Channel / 16QAM

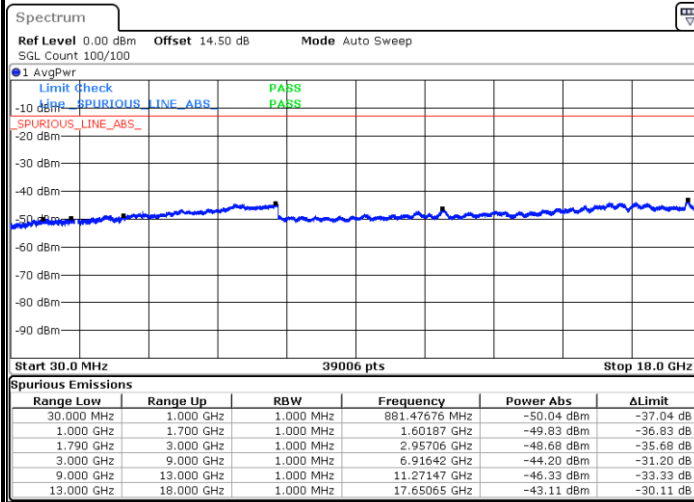


Date: 22.MAR.2022 09:59:06



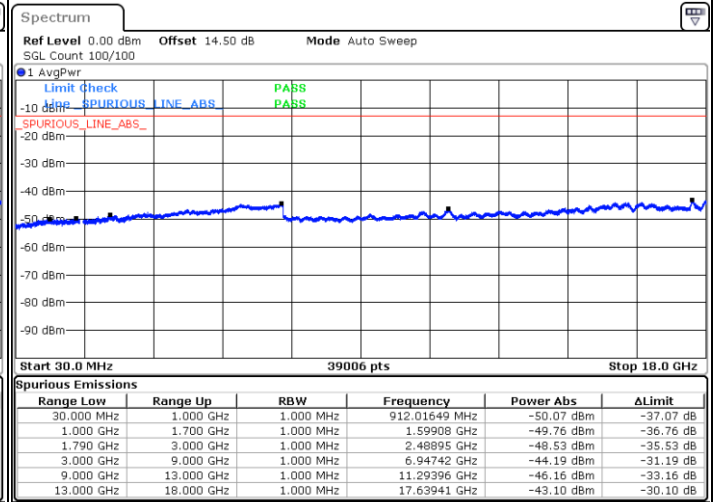
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



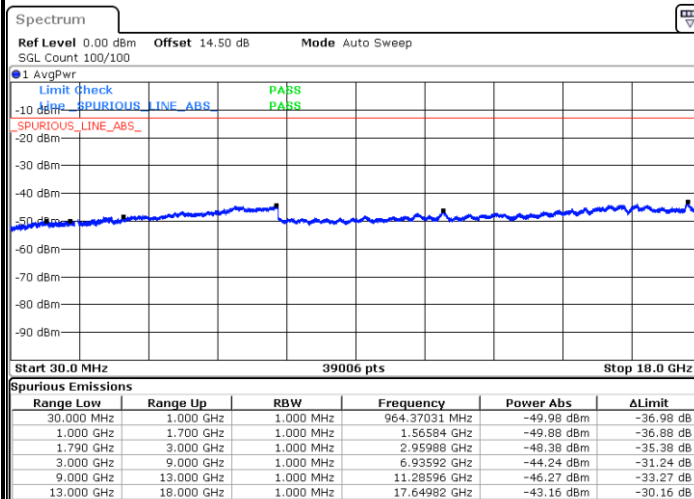
Date: 21.MAR.2022 15:42:47

Middle Channel / 64QAM



Date: 21.MAR.2022 15:44:22

Highest Channel / 64QAM

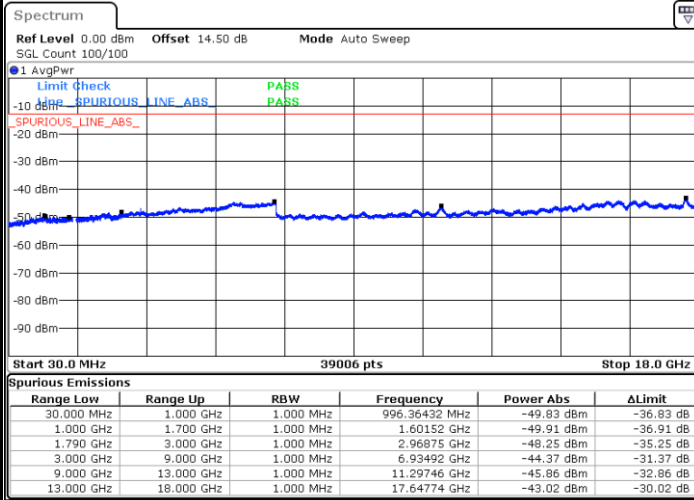


Date: 21.MAR.2022 15:48:39



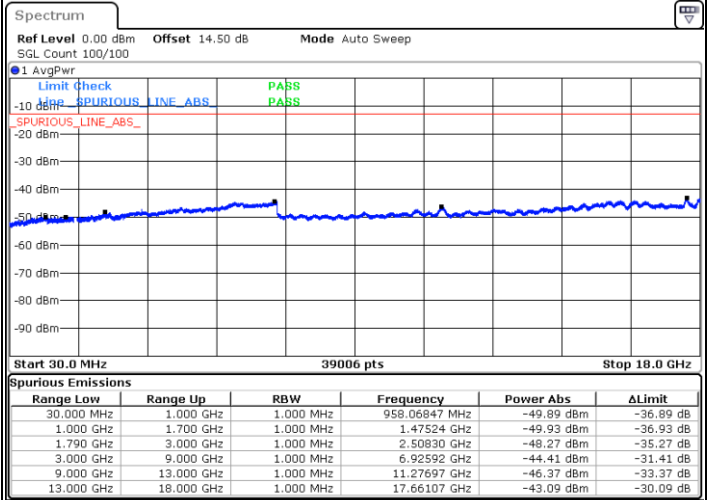
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



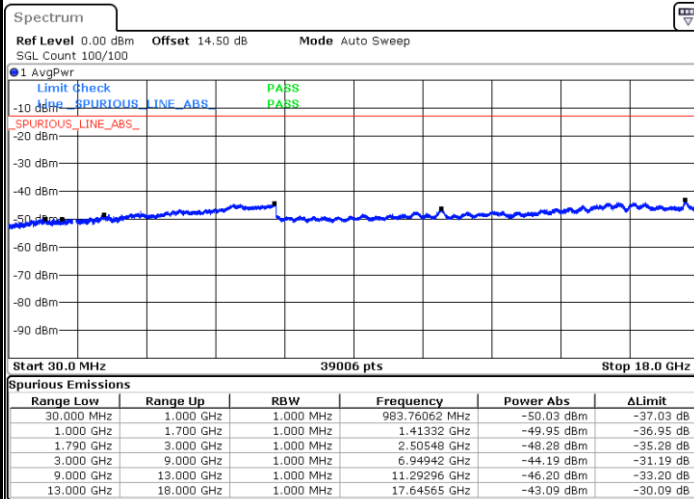
Date: 21.MAR.2022 16:53:55

Middle Channel / 64QAM



Date: 21.MAR.2022 16:56:01

Highest Channel / 64QAM

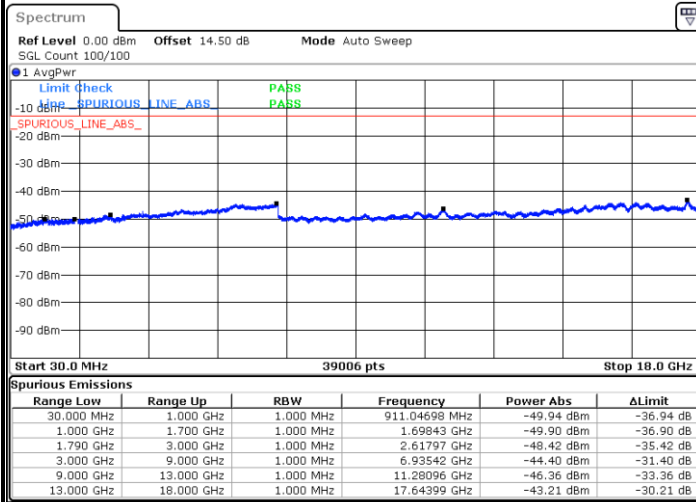


Date: 21.MAR.2022 17:00:54



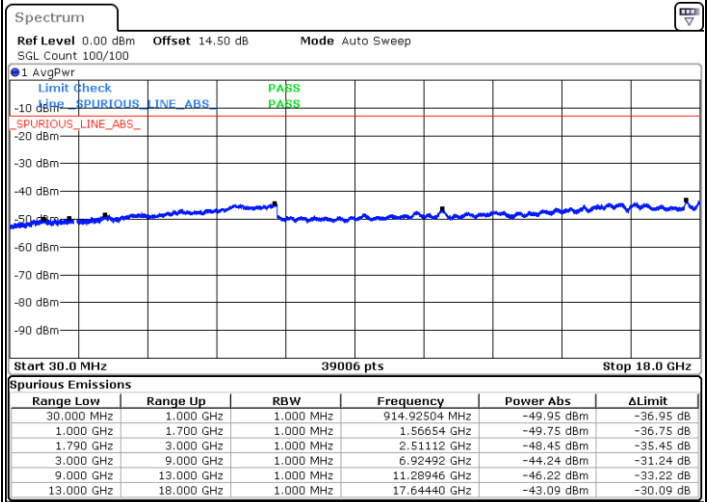
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



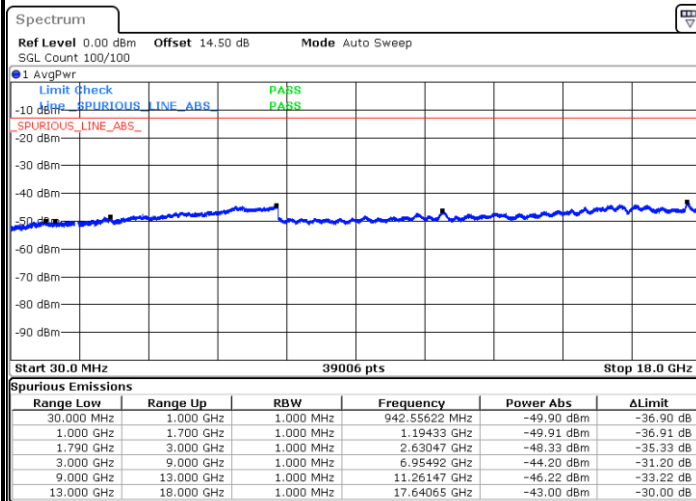
Date: 21.MAR.2022 17:05:12

Middle Channel / 64QAM



Date: 21.MAR.2022 17:06:45

Highest Channel / 64QAM

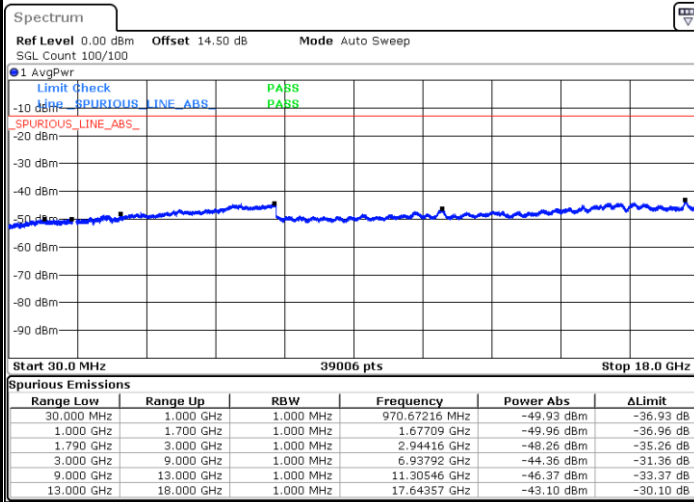


Date: 21.MAR.2022 17:10:03



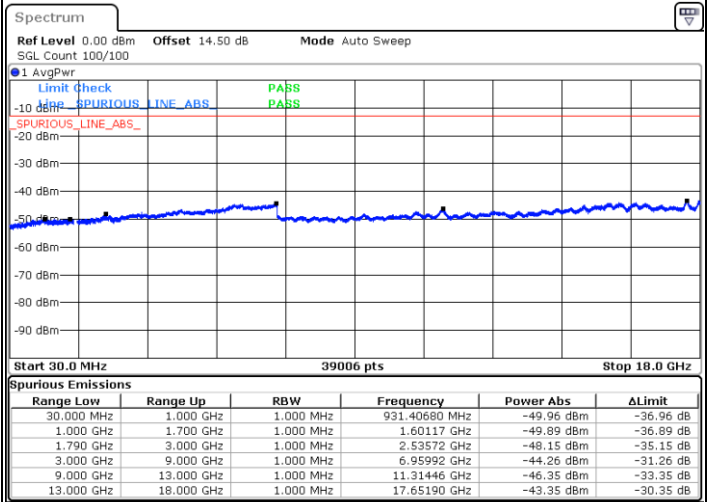
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



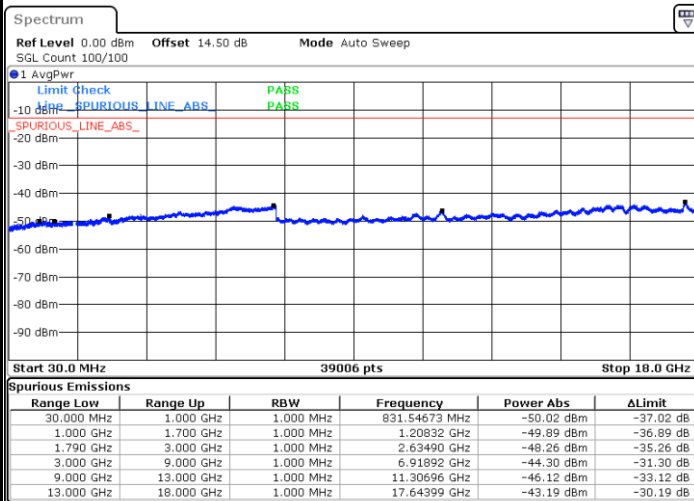
Date: 22.MAR.2022 09:13:45

Middle Channel / 64QAM



Date: 22.MAR.2022 09:15:19

Highest Channel / 64QAM

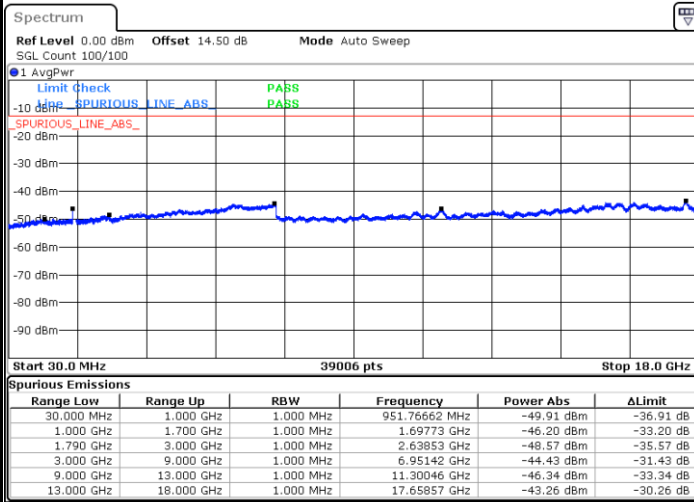


Date: 22.MAR.2022 09:18:35



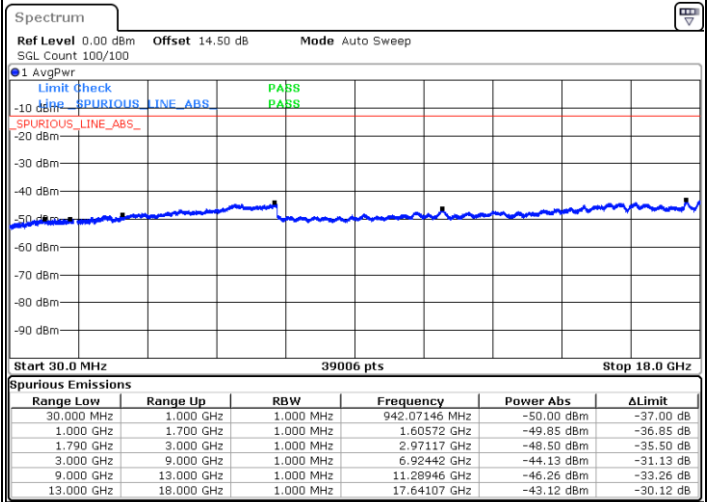
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



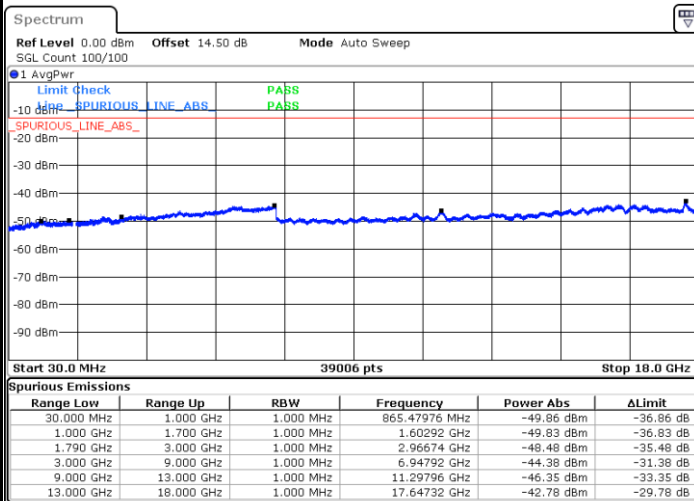
Date: 22.MAR.2022 09:21:51

Middle Channel / 64QAM



Date: 22.MAR.2022 09:23:26

Highest Channel / 64QAM

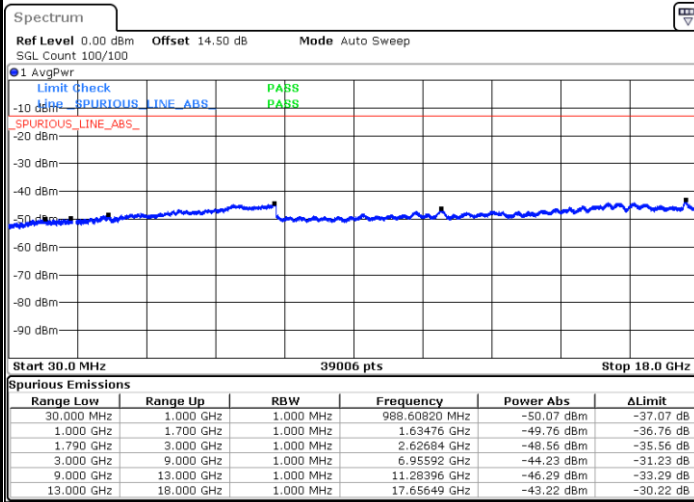


Date: 22.MAR.2022 09:26:41



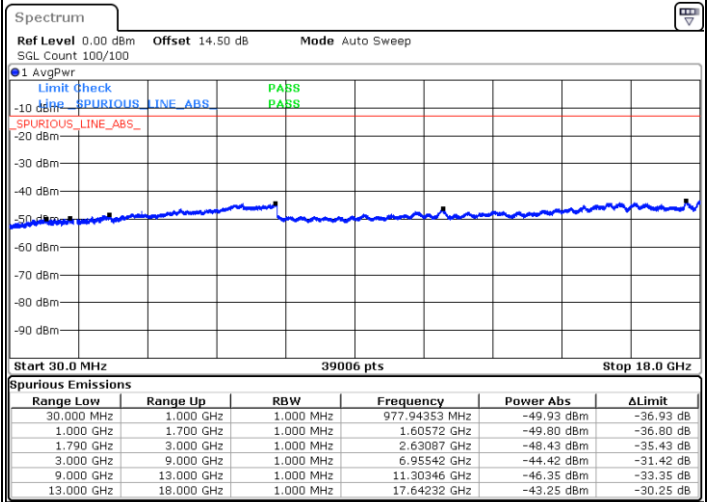
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



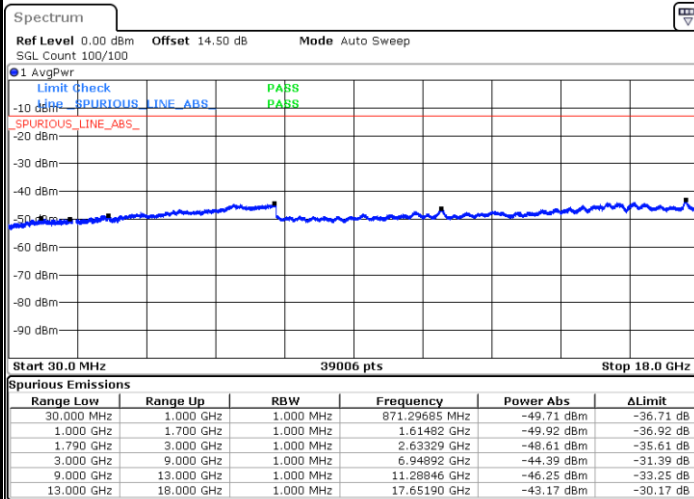
Date: 22.MAR.2022 10:02:22

Middle Channel / 64QAM



Date: 22.MAR.2022 10:03:56

Highest Channel / 64QAM



Date: 22.MAR.2022 10:07:12

**Frequency Stability**

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	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	0.0006	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage =7.78 V. ; Battery End Point (BEP) =7.2 V. ; Maximum Voltage =8.96 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 :	Kuang Jia	Temperature :	22~25°C
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for all the supported antennas, choose the worst antenna perform final test and record in the report.

LTE Band 2 / 20MHz / QPSK (ANT13)									
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	3742.18	-61.15	-13	-48.15	-77.78	-67.90	5.85	12.60	H
	5613.27	-60.05	-13	-47.05	-79.57	-65.85	7.30	13.10	H
	7484.36	-55.65	-13	-42.65	-79.40	-58.80	8.35	11.50	H
	3742.18	-61.45	-13	-48.45	-77.7	-68.20	5.85	12.60	V
	5613.27	-60.59	-13	-47.59	-79.59	-66.39	7.30	13.10	V
	7484.36	-55.12	-13	-42.12	-79.26	-58.27	8.35	11.50	V

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

LTE Band 5 / 10MHz / QPSK (ANT41)									
Channel	Frequency (MHz)	ERP (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	1664.18	-65.20	-13	-52.20	-76.85	-68.45	4.00	9.40	H
	2496.27	-60.09	-13	-47.09	-78.86	-63.66	4.88	10.60	H
	3328.36	-58.79	-13	-45.79	-79.76	-63.72	5.52	12.60	H
	1664.18	-64.65	-13	-51.65	-76.97	-67.90	4.00	9.40	V
	2496.27	-59.72	-13	-46.72	-78.75	-63.29	4.88	10.60	V
	3328.36	-58.07	-13	-45.07	-79.54	-63.00	5.52	12.60	V

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



LTE Band 12 / 10MHz / QPSK (ANT41)									
Channel	Frequency (MHz)	ERP (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	1406	-65.70	-13	-52.70	-76.49	-68.95	4.00	9.40	H
	2109	-60.76	-13	-47.76	-78.23	-64.33	4.88	10.60	H
	2812	-60.28	-13	-47.28	-79.37	-65.21	5.52	12.60	H
	1406	-64.89	-13	-51.89	-76.74	-68.14	4.00	9.40	V
	2109	-61.28	-13	-48.28	-78.54	-64.85	4.88	10.60	V
	2812	-59.27	-13	-46.27	-79.17	-64.20	5.52	12.60	V

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

LTE Band 13 / 5MHz / QPSK (ANT41)									
Channel	Frequency (MHz)	ERP (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	-65.50	-42.15	-23.35	-76.79	-68.75	4.00	9.40	H
	2339.25	-61.08	-13	-48.08	-79.06	-64.65	4.88	10.60	H
	3119	-59.39	-13	-46.39	-79.48	-64.32	5.52	12.60	H
	1559.5	-64.80	-42.15	-22.65	-76.71	-68.05	4.00	9.40	V
	2339.25	-60.61	-13	-47.61	-78.96	-64.18	4.88	10.60	V
	3119	-57.14	-13	-44.14	-79.03	-62.07	5.52	12.60	V

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

LTE Band 13 / 10MHz / QPSK (ANT41)									
Channel	Frequency (MHz)	ERP (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	-65.47	-42.15	-23.32	-76.76	-68.72	4.00	9.40	H
	2339.25	-60.78	-13	-47.78	-78.76	-64.35	4.88	10.60	H
	3119	-59.16	-13	-46.16	-79.25	-64.09	5.52	12.60	H
	1559.5	-65.04	-42.15	-22.89	-76.95	-68.29	4.00	9.40	V
	2339.25	-60.49	-13	-47.49	-78.84	-64.06	4.88	10.60	V
	3119	-57.57	-13	-44.57	-79.46	-62.50	5.52	12.60	V

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



LTE Band 18 / 5MHz / QPSK (ANT41)									
Channel	Frequency (MHz)	ERP (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	1631.5	-65.22	-13	-52.22	-76.72	-68.47	4.00	9.40	H
	2447.25	-59.70	-13	-46.70	-78.07	-63.27	4.88	10.60	H
	3263	-58.92	-13	-45.92	-79.53	-63.85	5.52	12.60	H
	1631.5	-64.51	-13	-51.51	-76.61	-67.76	4.00	9.40	V
	2447.25	-60.03	-13	-47.03	-78.92	-63.60	4.88	10.60	V
	3263	-57.54	-13	-44.54	-79.32	-62.47	5.52	12.60	V

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

LTE Band 19 / 5MHz / QPSK (ANT41)									
Channel	Frequency (MHz)	ERP (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	1670.5	-67.55	-13	-54.55	-73.64	-70.80	4.00	9.40	H
	2505.75	-64.94	-13	-51.94	-75.10	-68.51	4.88	10.60	H
	3341	-64.50	-13	-51.50	-76.37	-69.43	5.52	12.60	H
	1670.5	-67.99	-13	-54.99	-73.81	-71.24	4.00	9.40	V
	2505.75	-64.89	-13	-51.89	-75.38	-68.46	4.88	10.60	V
	3341	-63.99	-13	-50.99	-76.25	-68.92	5.52	12.60	V

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

LTE Band 19 / 10MHz / QPSK (ANT41)									
Channel	Frequency (MHz)	ERP (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	1666	-67.58	-13	-54.58	-73.68	-70.83	4.00	9.40	H
	2499	-64.37	-13	-51.37	-74.55	-67.94	4.88	10.60	H
	3332	-64.76	-13	-51.76	-76.71	-69.69	5.52	12.60	H
	1666	-67.50	-13	-54.50	-73.36	-70.75	4.00	9.40	V
	2499	-64.43	-13	-51.43	-74.95	-68.00	4.88	10.60	V
	3332	-64.27	-13	-51.27	-76.62	-69.20	5.52	12.60	V

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



LTE Band 19 / 15MHz / QPSK (ANT41)									
Channel	Frequency (MHz)	ERP (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	1661.5	-67.54	-13	-54.54	-73.65	-70.79	4.00	9.40	H
	2492.25	-64.73	-13	-51.73	-74.93	-68.30	4.88	10.60	H
	3323	-64.52	-13	-51.52	-76.54	-69.45	5.52	12.60	H
	1661.5	-67.70	-13	-54.70	-73.61	-70.95	4.00	9.40	V
	2492.25	-64.36	-13	-51.36	-74.90	-67.93	4.88	10.60	V
	3323	-63.81	-13	-50.81	-76.25	-68.74	5.52	12.60	V

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

LTE Band 26 / 15MHz / QPSK (ANT41)									
Channel	Frequency (MHz)	ERP (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	1649.5	-67.01	-13	-54.01	-74.29	-70.26	4.00	9.40	H
	2474.5	-64.08	-13	-51.08	-75.70	-67.65	4.88	10.60	H
	3299	-62.27	-13	-49.27	-77.15	-67.20	5.52	12.60	H
	1649.5	-67.38	-13	-54.38	-74.71	-70.63	4.00	9.40	V
	2474.5	-63.97	-13	-50.97	-75.62	-67.54	4.88	10.60	V
	3299	-62.12	-13	-49.12	-76.92	-67.05	5.52	12.60	V

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

LTE Band 66 / 20MHz / QPSK (ANT13)									
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	3472	-62.53	-13	-49.53	-77.81	-69.38	5.65	12.50	H
	5208	-60.52	-13	-47.52	-80.05	-66.19	7.13	12.80	H
	6944	-57.93	-13	-44.93	-80.11	-61.33	8.40	11.80	H
	3472	-62.56	-13	-49.56	-77.87	-69.41	5.65	12.50	V
	5208	-60.79	-13	-47.79	-79.93	-66.46	7.13	12.80	V
	6944	-57.56	-13	-44.56	-80.01	-60.96	8.40	11.80	V

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