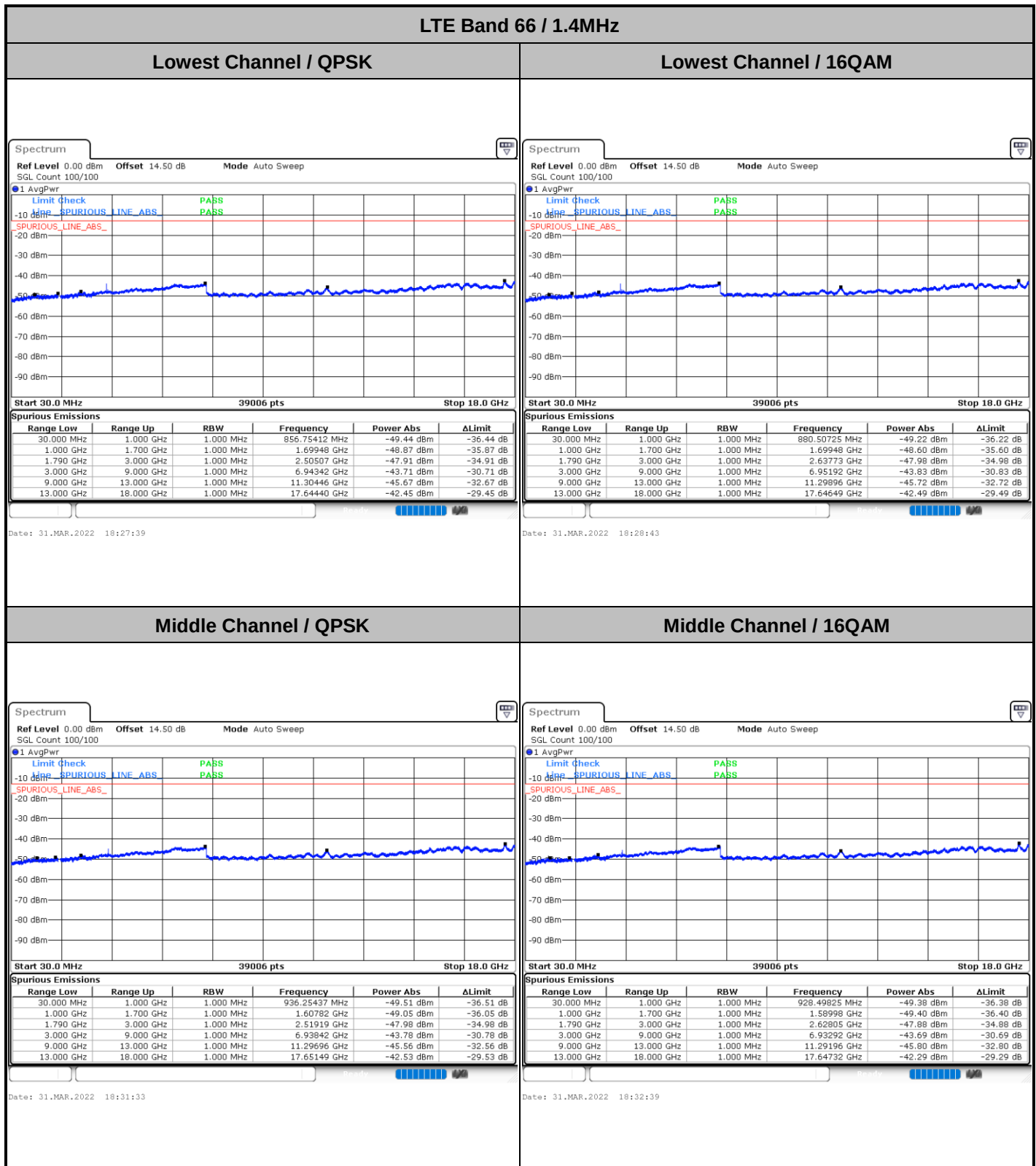




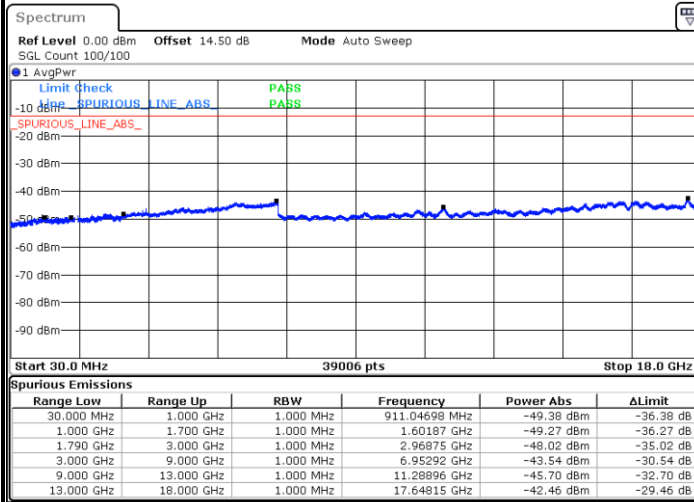
Conducted Spurious Emission





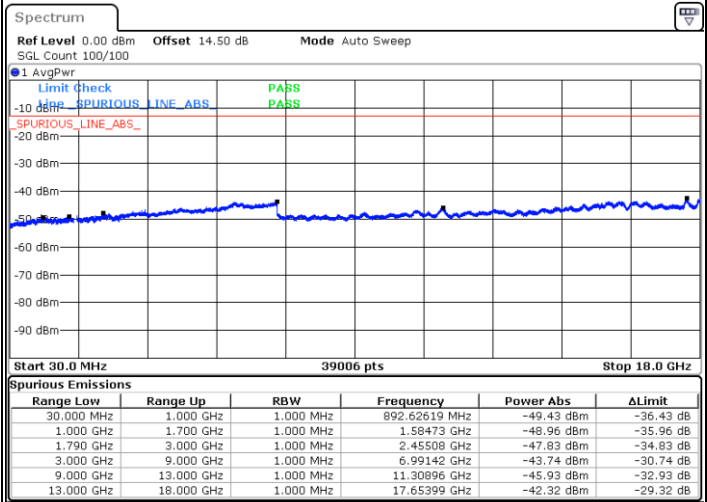
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 31.MAR.2022 18:42:28

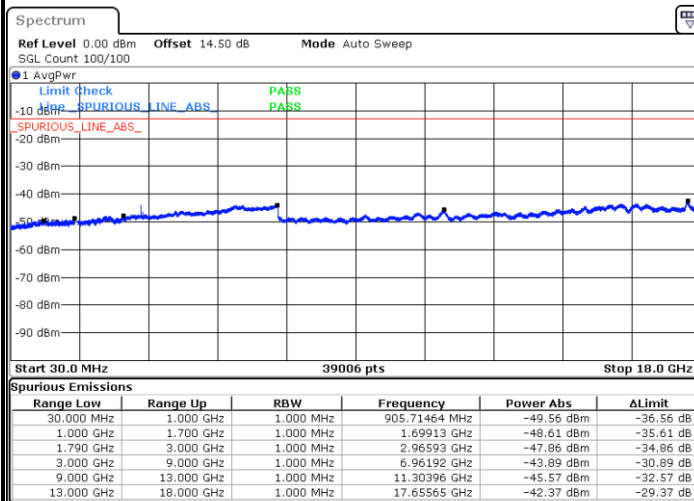
Highest Channel / 16QAM



Date: 31.MAR.2022 18:43:32

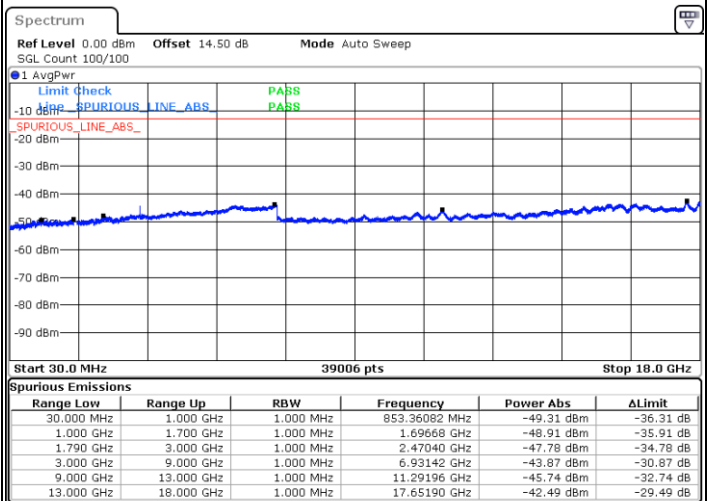
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 31.MAR.2022 19:06:16

Lowest Channel / 16QAM

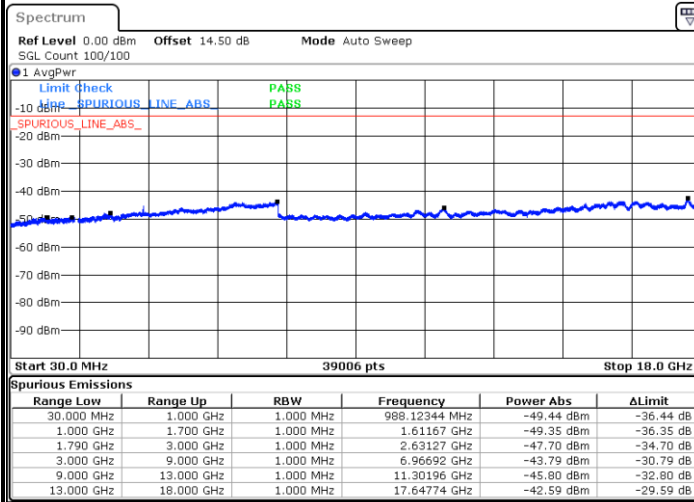


Date: 31.MAR.2022 19:07:21



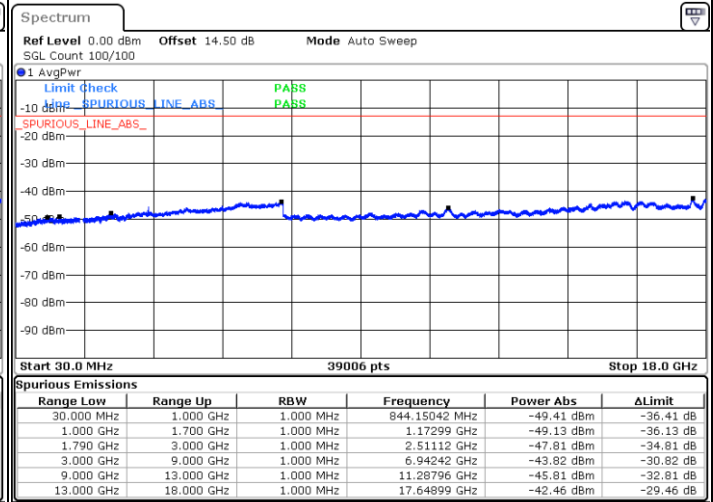
LTE Band 66 / 3MHz

Middle Channel / QPSK



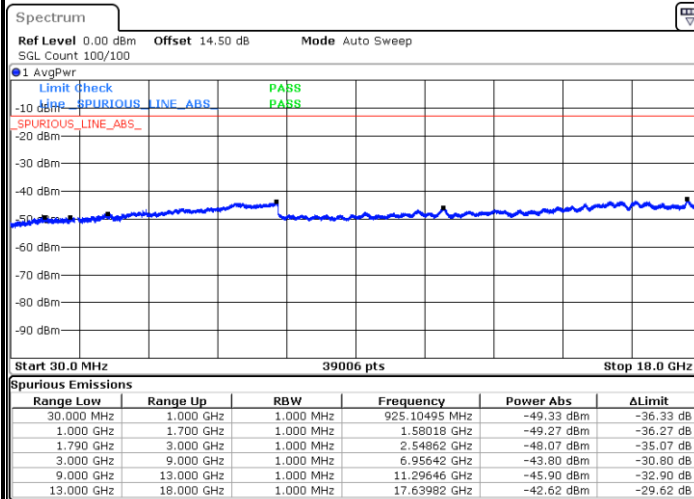
Date: 31.MAR.2022 19:10:09

Middle Channel / 16QAM



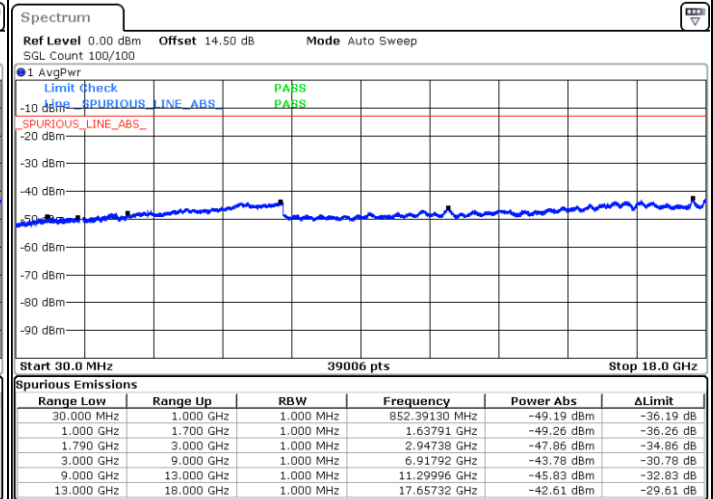
Date: 31.MAR.2022 19:11:12

Highest Channel / QPSK



Date: 31.MAR.2022 19:21:00

Highest Channel / 16QAM

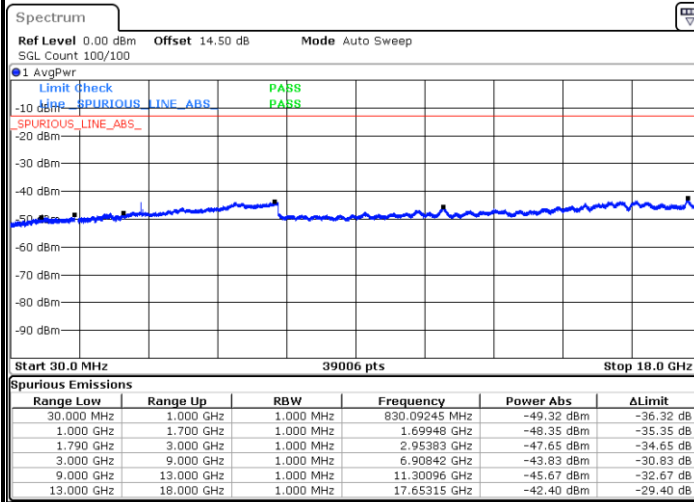


Date: 31.MAR.2022 19:22:04



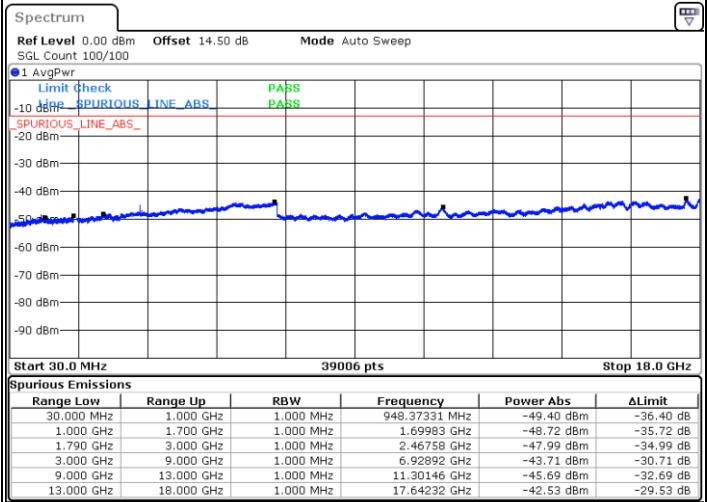
LTE Band 66 / 5MHz

Lowest Channel / QPSK



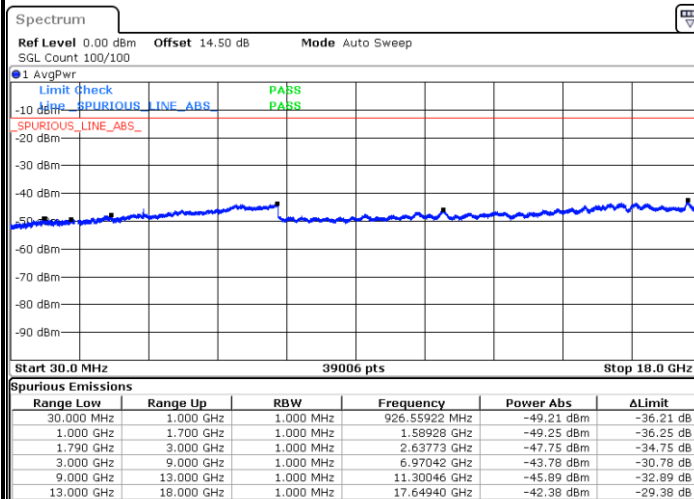
Date: 31.MAR.2022 19:57:12

Lowest Channel / 16QAM



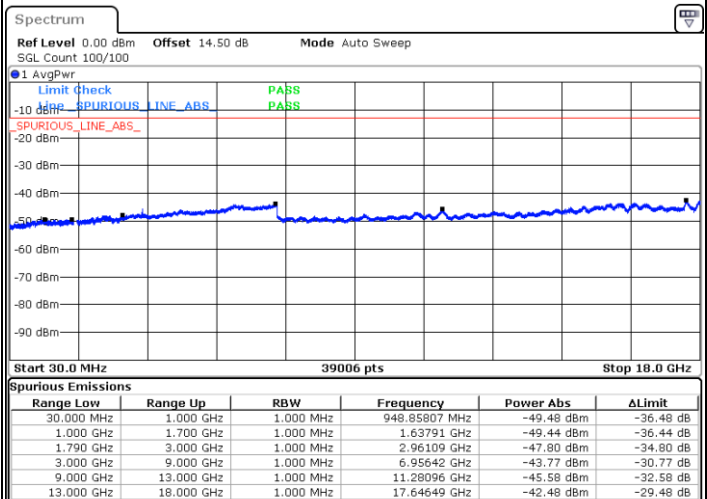
Date: 31.MAR.2022 19:58:17

Middle Channel / QPSK



Date: 31.MAR.2022 20:01:04

Middle Channel / 16QAM

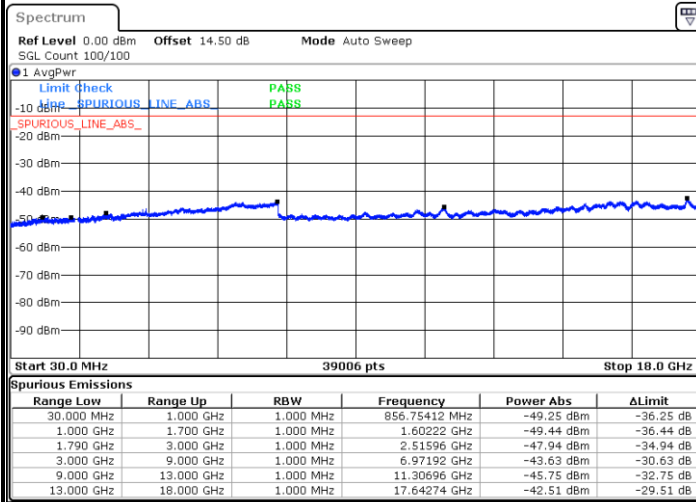


Date: 31.MAR.2022 20:02:09



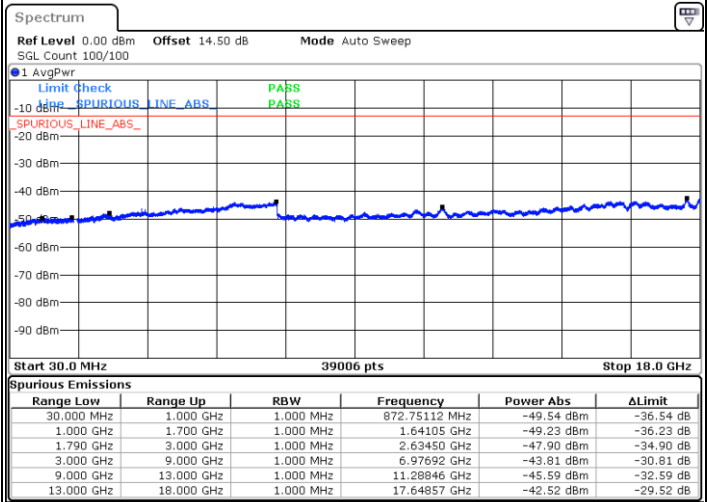
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 31.MAR.2022 20:11:56

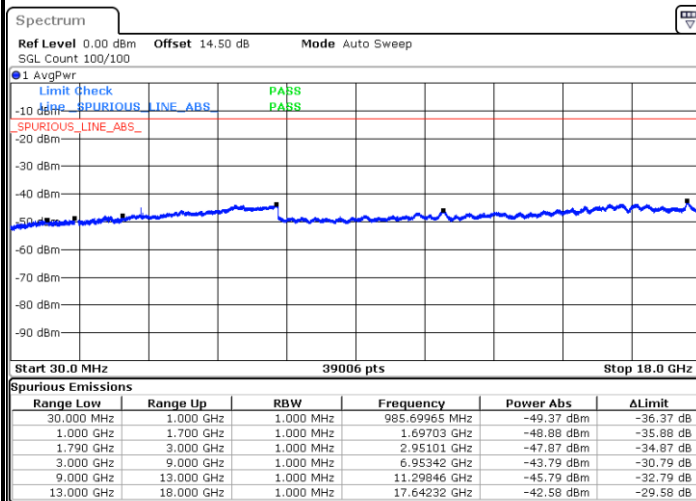
Highest Channel / 16QAM



Date: 31.MAR.2022 20:13:00

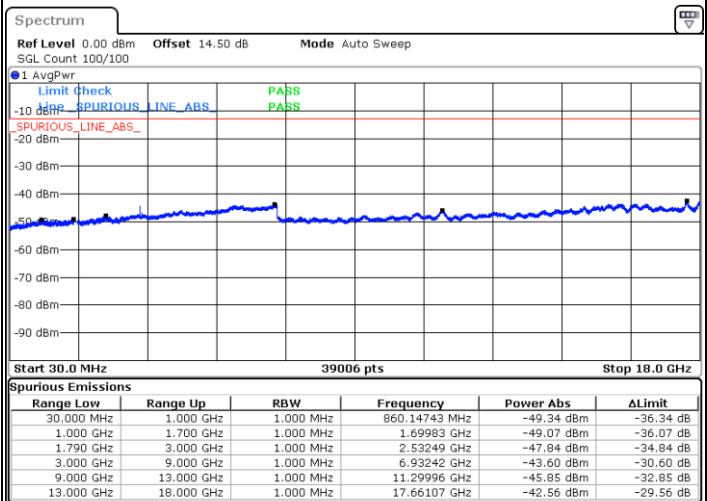
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 31.MAR.2022 20:22:48

Lowest Channel / 16QAM

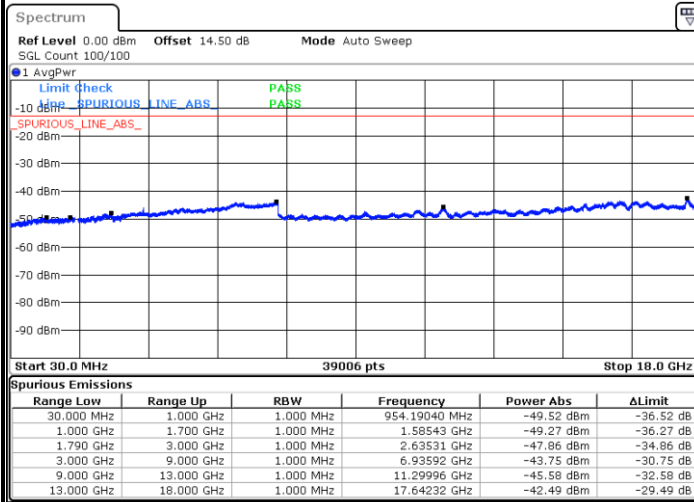


Date: 31.MAR.2022 20:23:52



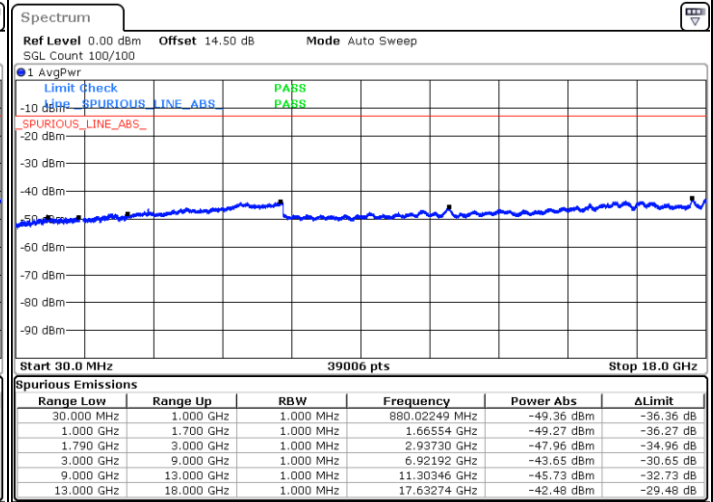
LTE Band 66 / 10MHz

Middle Channel / QPSK



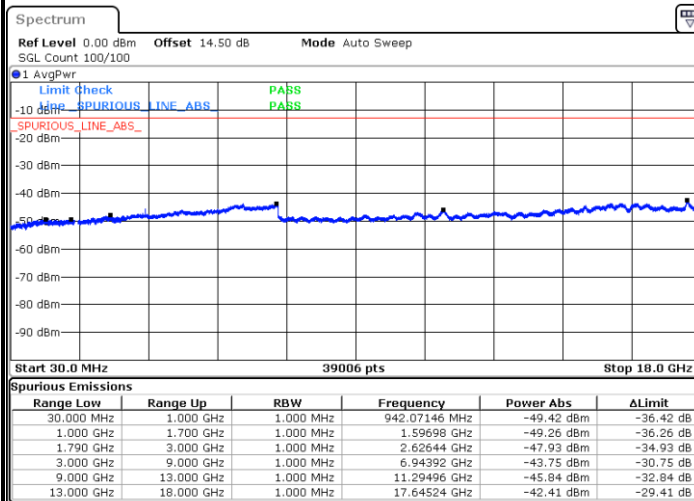
Date: 31.MAR.2022 20:26:39

Middle Channel / 16QAM



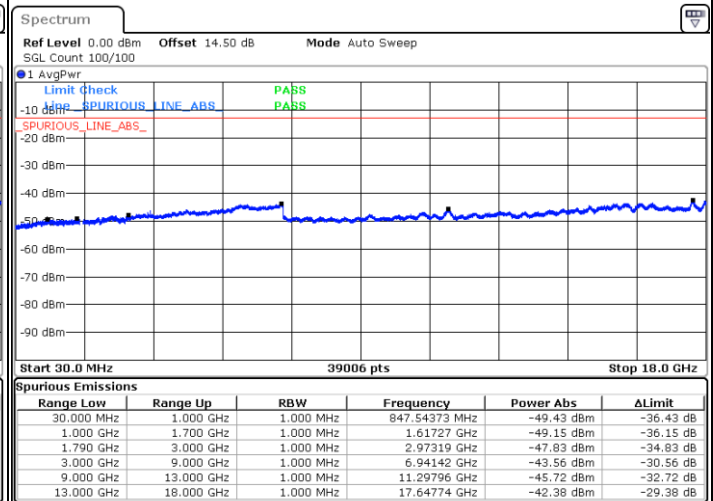
Date: 31.MAR.2022 20:27:44

Highest Channel / QPSK



Date: 31.MAR.2022 20:37:31

Highest Channel / 16QAM

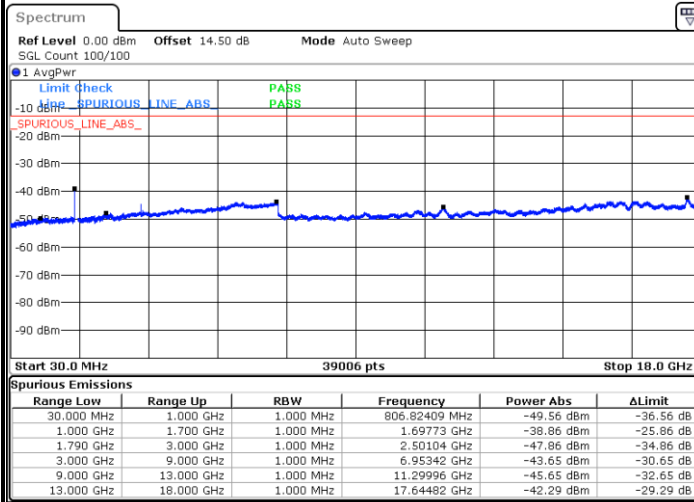


Date: 31.MAR.2022 20:38:35



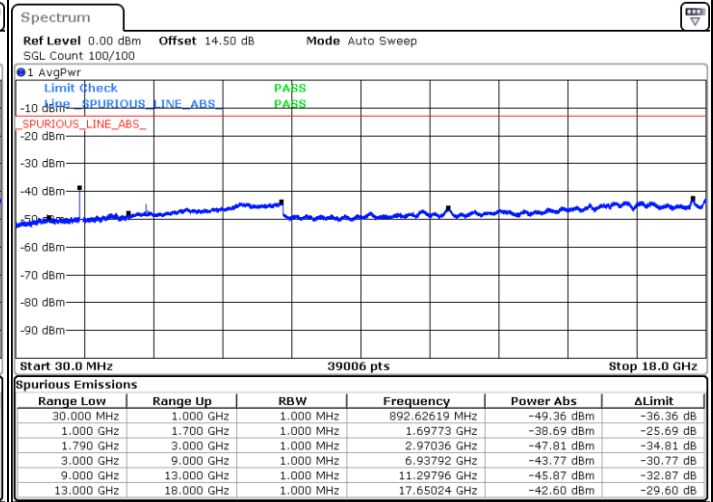
LTE Band 66 / 15MHz

Lowest Channel / QPSK



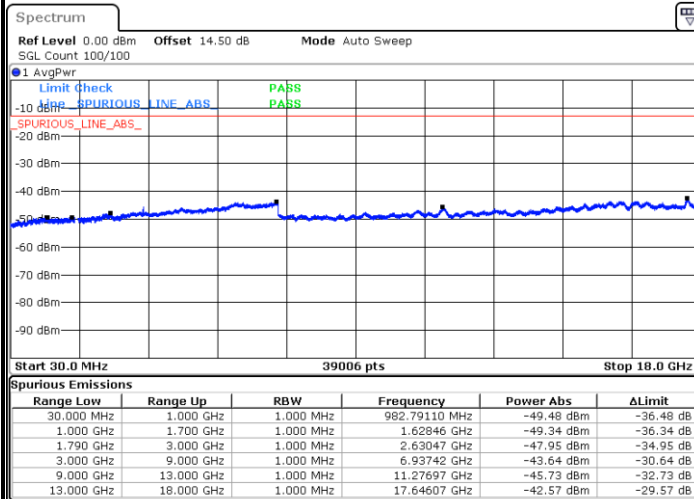
Date: 31.MAR.2022 21:12:59

Lowest Channel / 16QAM



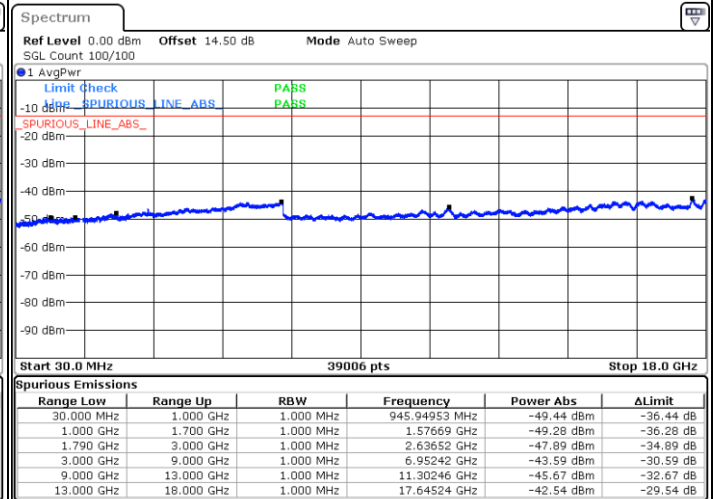
Date: 31.MAR.2022 21:14:03

Middle Channel / QPSK



Date: 31.MAR.2022 21:16:53

Middle Channel / 16QAM

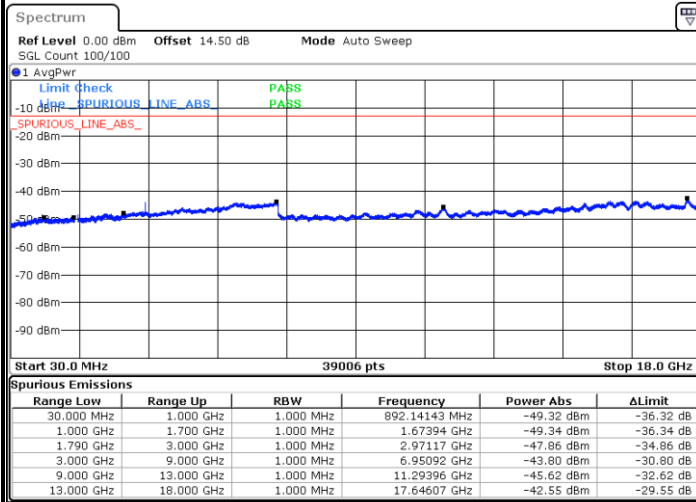


Date: 31.MAR.2022 21:17:58



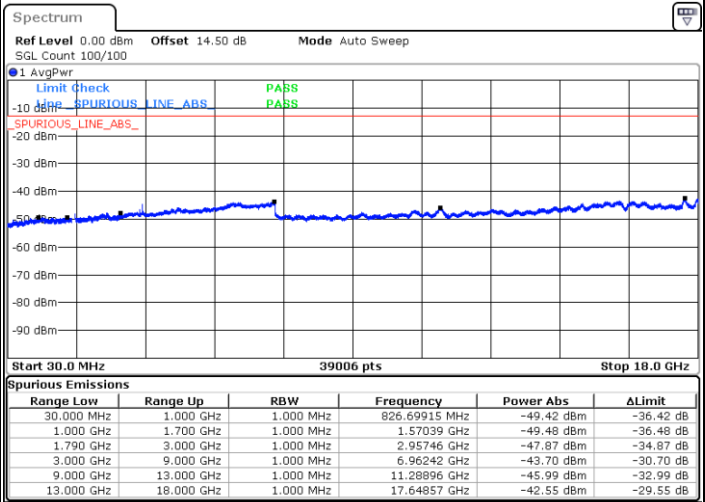
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 31.MAR.2022 21:27:45

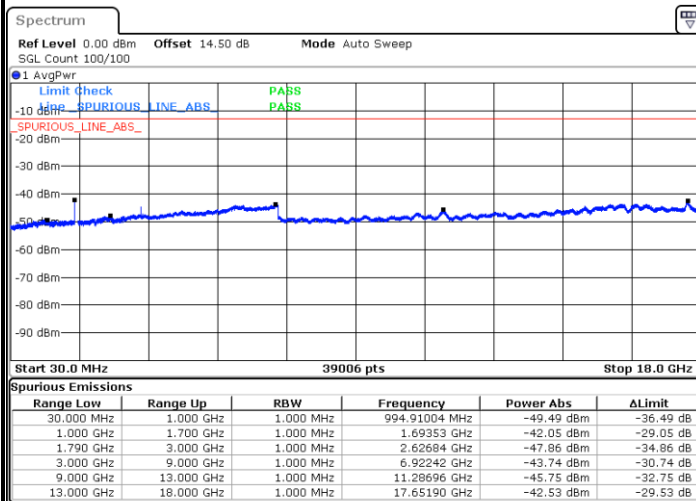
Highest Channel / 16QAM



Date: 31.MAR.2022 21:28:48

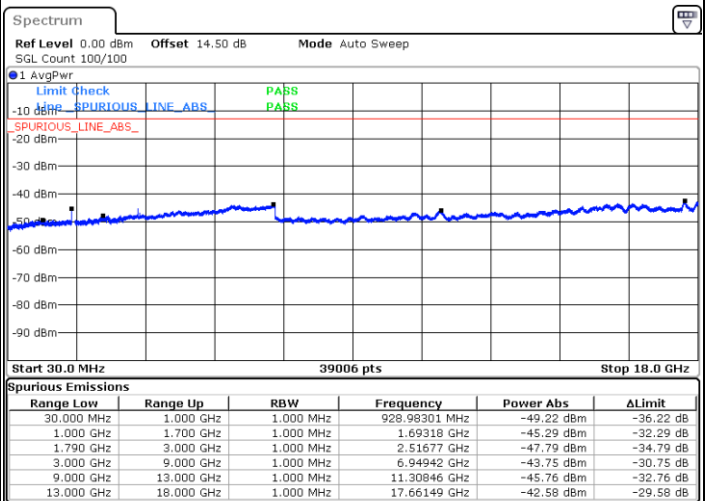
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 31.MAR.2022 21:38:36

Lowest Channel / 16QAM

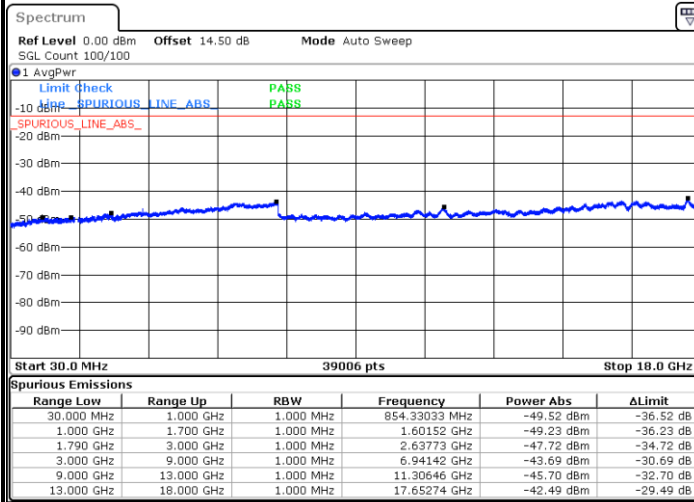


Date: 31.MAR.2022 21:39:41



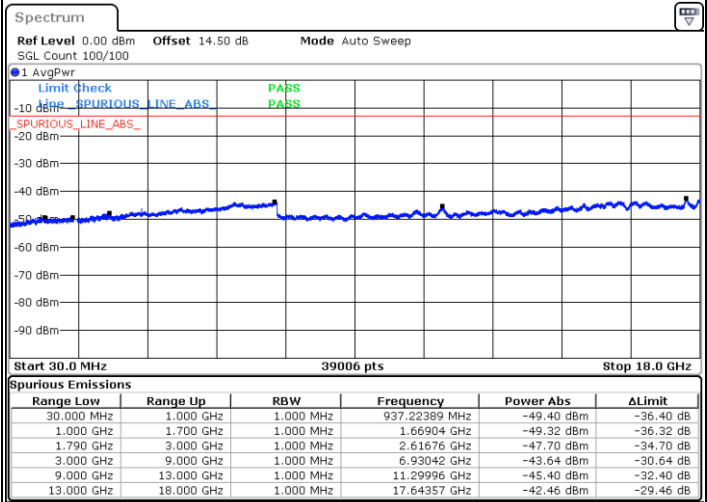
LTE Band 66 / 20MHz

Middle Channel / QPSK



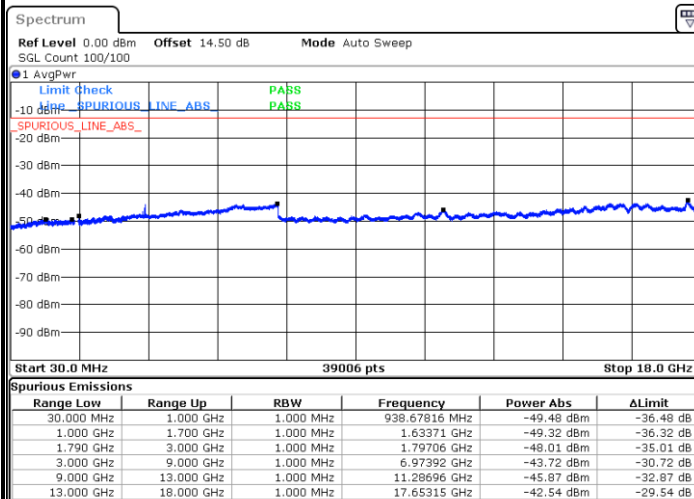
Date: 31.MAR.2022 21:42:28

Middle Channel / 16QAM



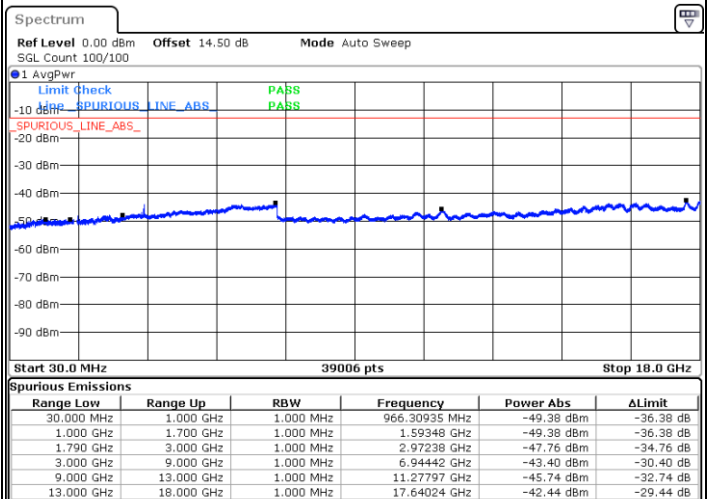
Date: 31.MAR.2022 21:43:33

Highest Channel / QPSK



Date: 31.MAR.2022 21:53:19

Highest Channel / 16QAM

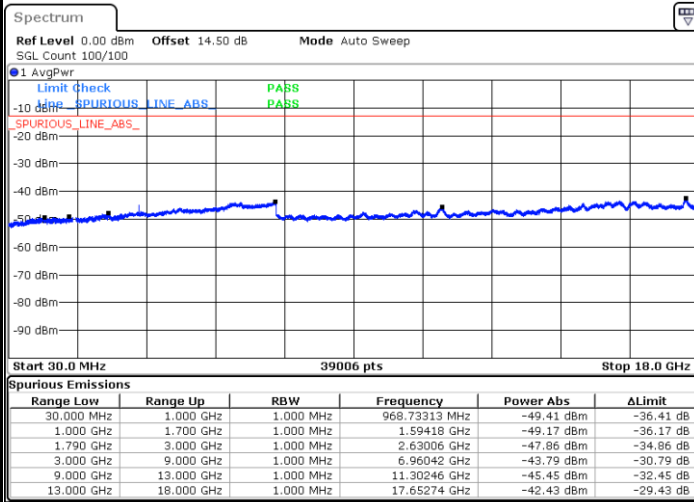


Date: 31.MAR.2022 21:54:23



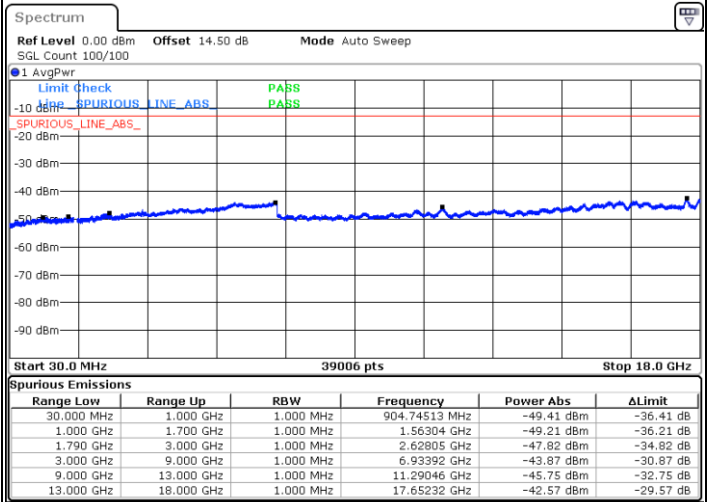
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



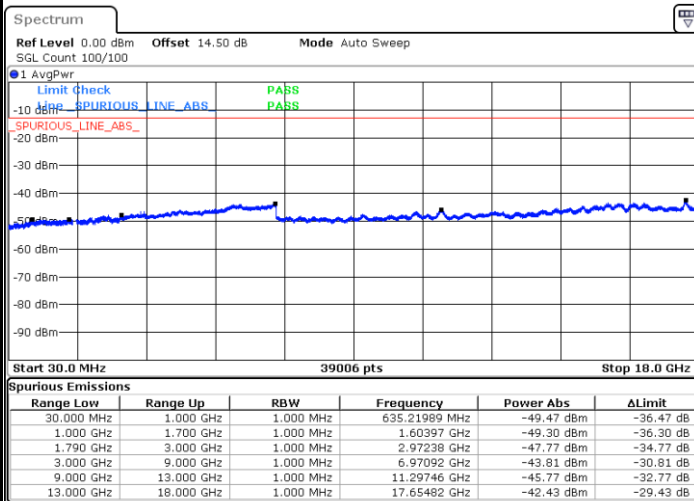
Date: 31.MAR.2022 18:48:48

Middle Channel / 64QAM



Date: 31.MAR.2022 18:50:34

Highest Channel / 64QAM

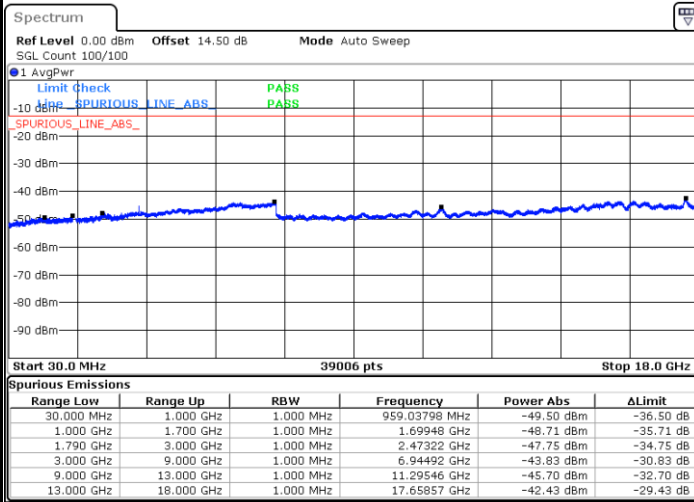


Date: 31.MAR.2022 18:55:50



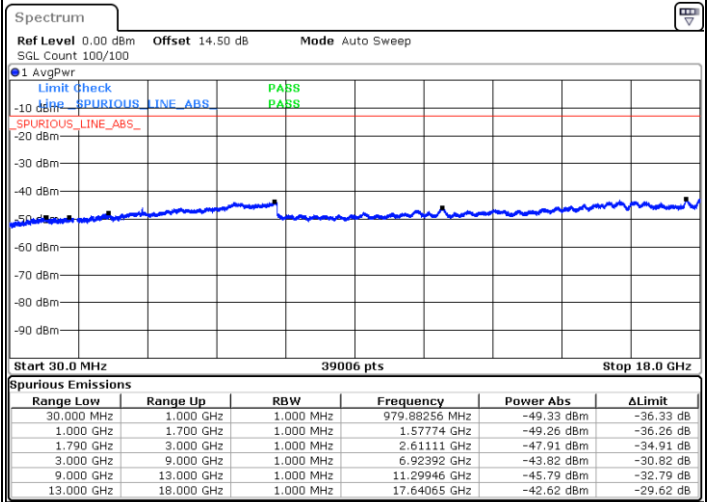
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



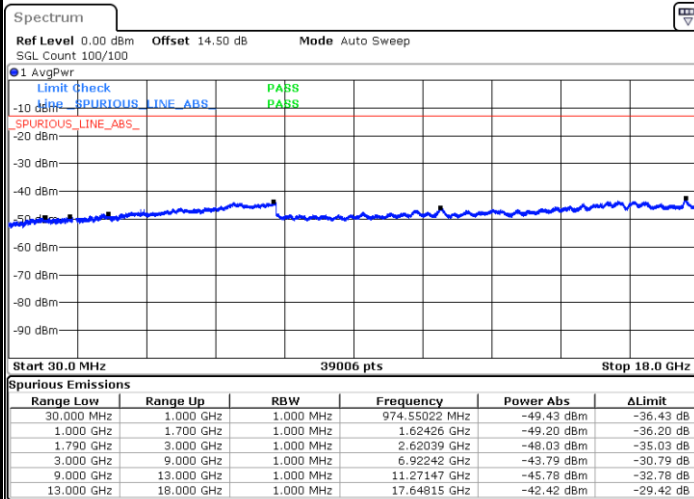
Date: 31.MAR.2022 19:27:23

Middle Channel / 64QAM



Date: 31.MAR.2022 19:29:08

Highest Channel / 64QAM

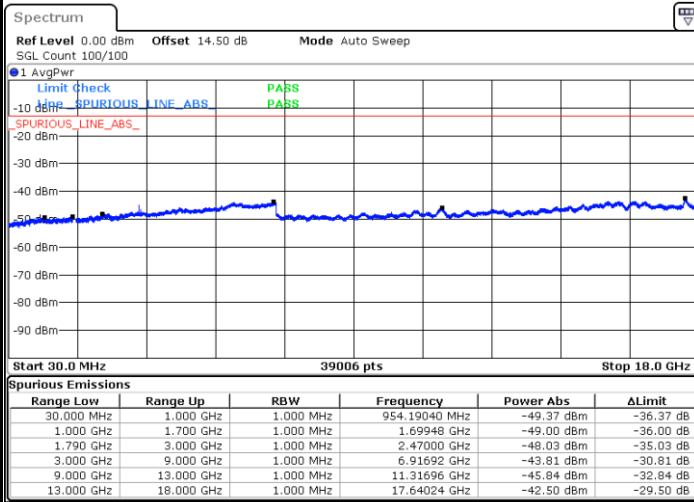


Date: 31.MAR.2022 19:34:25



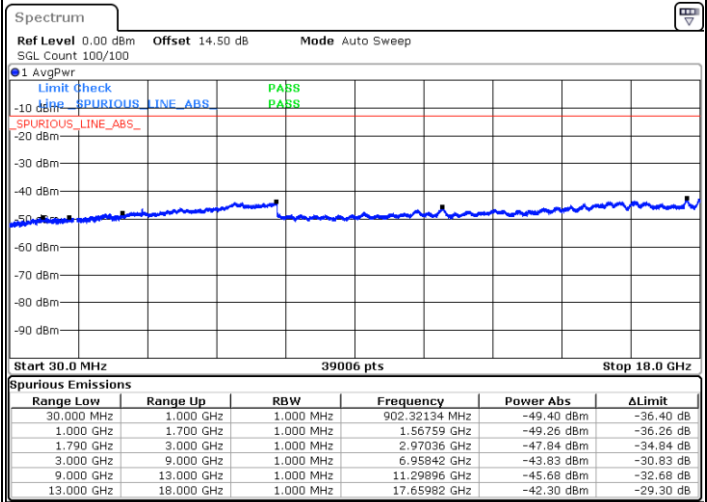
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



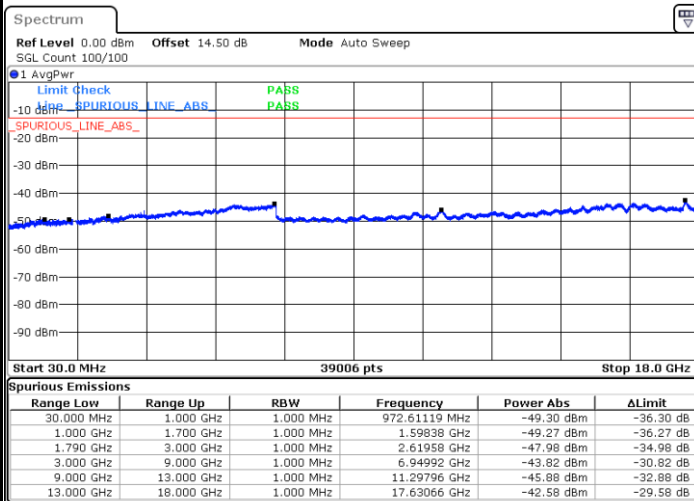
Date: 31.MAR.2022 19:40:20

Middle Channel / 64QAM



Date: 31.MAR.2022 19:42:07

Highest Channel / 64QAM

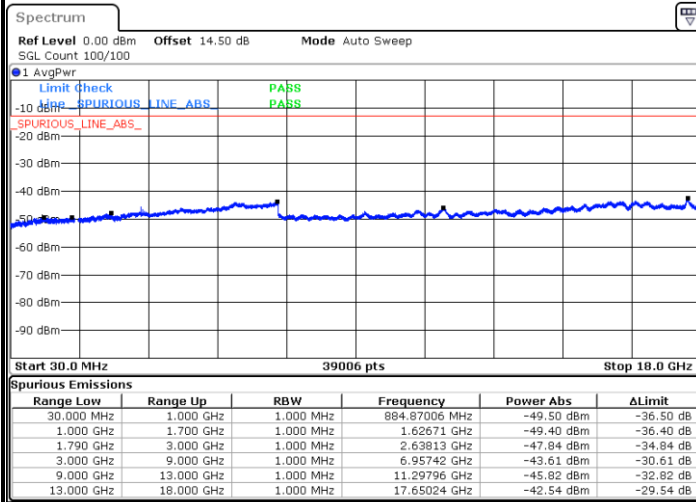


Date: 31.MAR.2022 19:47:24



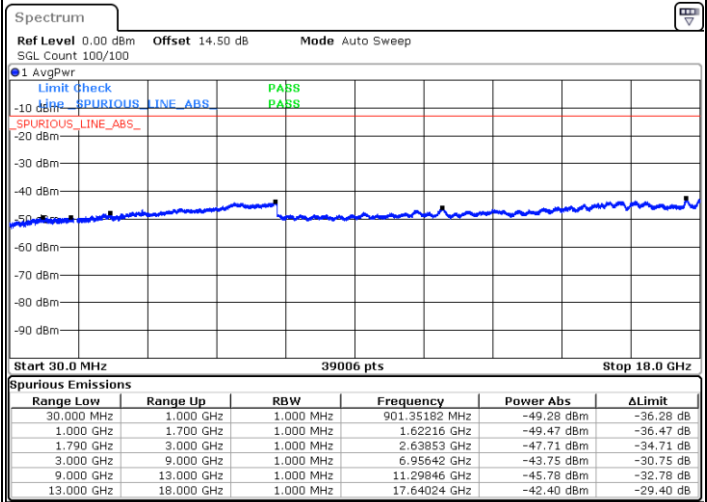
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



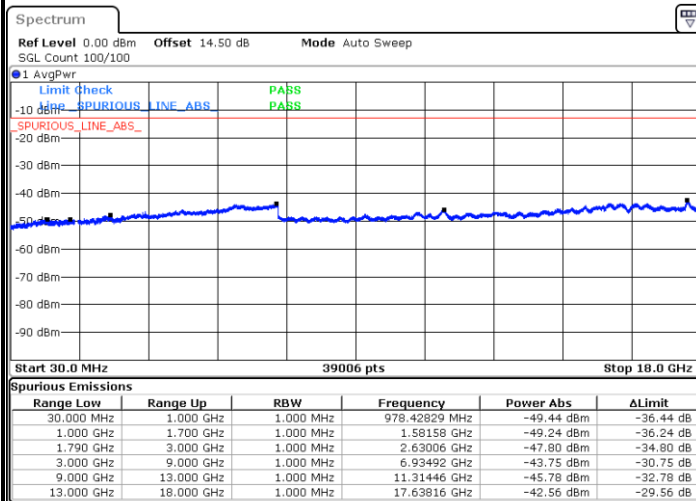
Date: 31.MAR.2022 20:43:50

Middle Channel / 64QAM



Date: 31.MAR.2022 20:45:37

Highest Channel / 64QAM

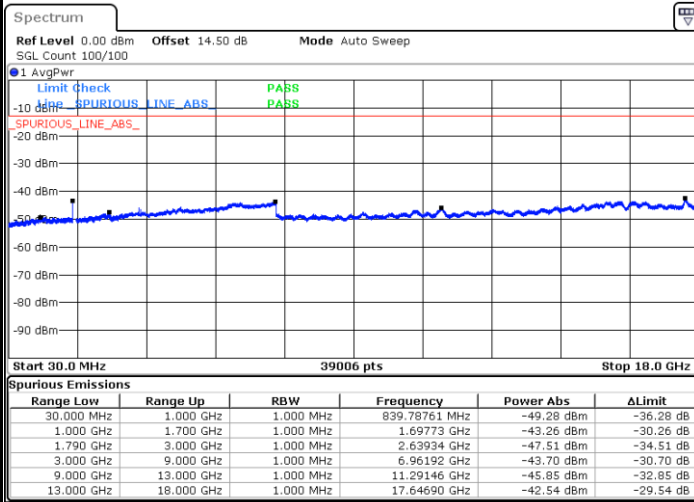


Date: 31.MAR.2022 20:50:52



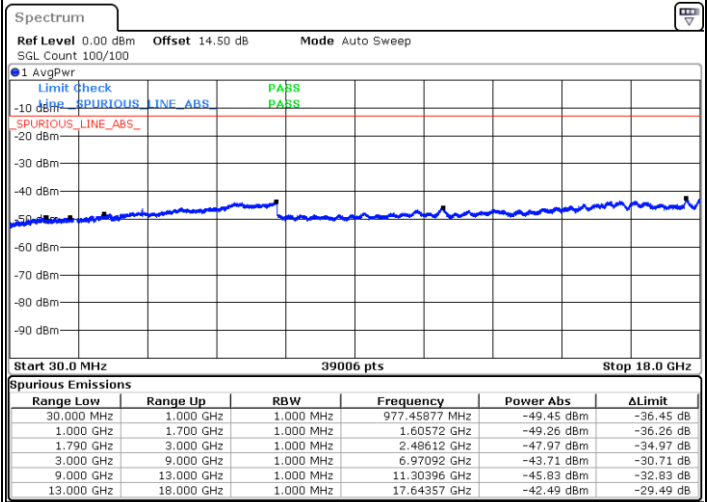
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



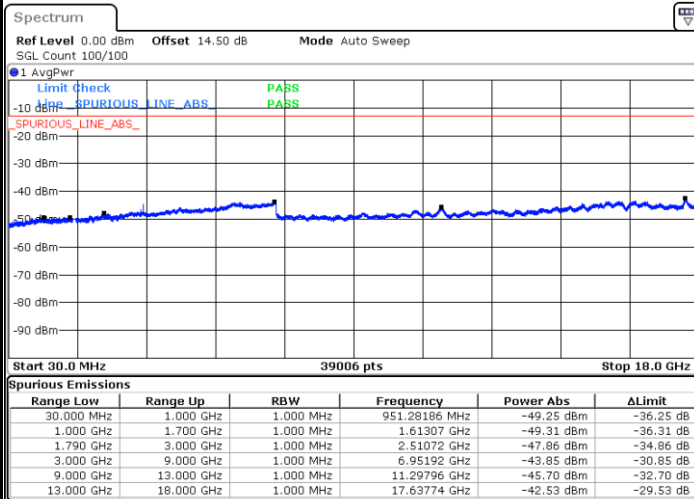
Date: 31.MAR.2022 20:56:09

Middle Channel / 64QAM



Date: 31.MAR.2022 20:57:56

Highest Channel / 64QAM

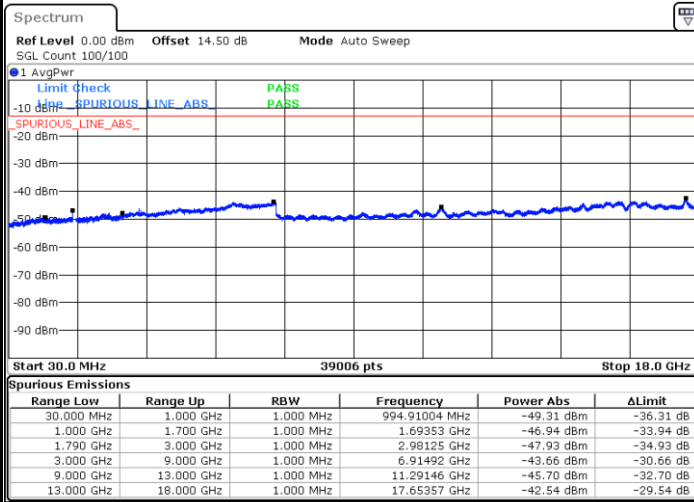


Date: 31.MAR.2022 21:03:13



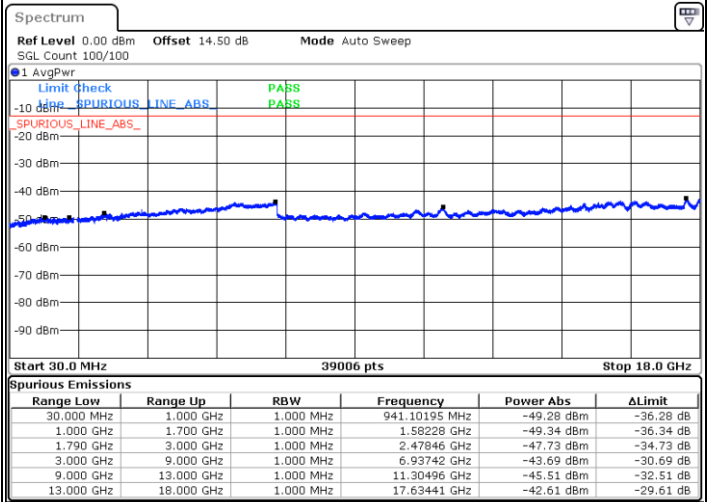
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



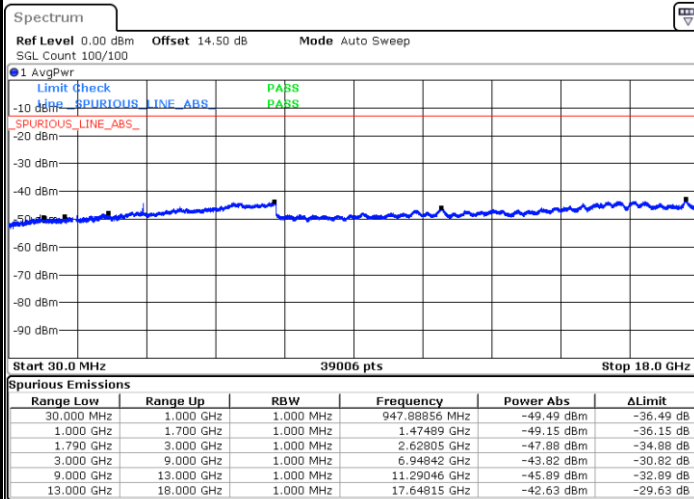
Date: 31.MAR.2022 21:59:39

Middle Channel / 64QAM



Date: 31.MAR.2022 22:01:26

Highest Channel / 64QAM



Date: 31.MAR.2022 22:07:27

**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	0.0048	PASS
40	Normal Voltage	0.0042	
30	Normal Voltage	0.0046	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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 :	Xiaoshi Tan	Temperature :	22~25°C
		Relative Humidity :	48~52%

For Sample 1:

LTE Band 2 / 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)
Middle	3742.18	-53.15	-13	-40.15	-76.04	-59.90	5.85	12.60	H
	5613.27	-56.80	-13	-43.80	-81.08	-62.60	7.30	13.10	H
	7484.36	-54.58	-13	-41.58	-81.04	-57.73	8.35	11.50	H
	9355.45	-49.88	-13	-36.88	-77.64	-52.03	9.85	12.00	H
	11226.54	-45.57	-13	-32.57	-78.63	-46.47	10.90	11.80	H
	3742.18	-49.55	-13	-36.55	-74.45	-56.30	5.85	12.60	V
	5613.27	-55.90	-13	-42.90	-81.03	-61.70	7.30	13.10	V
	7484.36	-54.50	-13	-41.50	-80.94	-57.65	8.35	11.50	V
	9355.45	-45.53	-13	-32.53	-74.92	-47.68	9.85	12.00	V
	11226.54	-45.52	-13	-32.52	-81.09	-46.42	10.90	11.80	V

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

LTE Band 7 / 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)
Middle	5052.18	-57.71	-25	-32.71	-80.81	-63.27	7.14	12.70	H
	7578.27	-55.52	-25	-30.52	-81.60	-58.82	8.30	11.60	H
	10104.36	-52.88	-25	-27.88	-83.08	-54.40	10.48	12.00	H
	5052.18	-56.17	-25	-31.17	-80.6	-61.73	7.14	12.70	V
	7578.27	-55.15	-25	-30.15	-81.23	-58.45	8.30	11.60	V
	10104.36	-51.68	-25	-26.68	-82.86	-53.20	10.48	12.00	V

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



LTE Band 12 / 10MHz / QPSK									
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	-65.91	-13	-52.91	-76.70	-69.16	4.00	9.40	H
	2109	-59.45	-13	-46.45	-76.92	-63.02	4.88	10.60	H
	2812	-60.26	-13	-47.26	-79.35	-65.19	5.52	12.60	H
	1406	-64.64	-13	-51.64	-76.49	-67.89	4.00	9.40	V
	2109	-61.41	-13	-48.41	-78.67	-64.98	4.88	10.60	V
	2812	-58.58	-13	-45.58	-78.48	-63.51	5.52	12.60	V

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

LTE Band 13 / 5MHz / QPSK									
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	1563.5	-66.11	-42.15	-23.96	-77.40	-69.36	4.00	9.40	H
	2345.25	-61.15	-13	-48.15	-79.13	-64.72	4.88	10.60	H
	3127	-59.77	-13	-46.77	-79.86	-64.70	5.52	12.60	H
	1563.5	-65.39	-42.15	-23.24	-77.30	-68.64	4.00	9.40	V
	2345.25	-60.43	-13	-47.43	-78.78	-64.00	4.88	10.60	V
	3127	-57.71	-13	-44.71	-79.60	-62.64	5.52	12.60	V

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

LTE Band 13 / 10MHz / QPSK									
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	-65.39	-42.15	-23.24	-76.68	-68.64	4.00	9.40	H
	2339.25	-60.66	-13	-47.66	-78.64	-64.23	4.88	10.60	H
	3119	-59.31	-13	-46.31	-79.40	-64.24	5.52	12.60	H
	1559.5	-65.32	-42.15	-23.17	-77.23	-68.57	4.00	9.40	V
	2339.25	-60.83	-13	-47.83	-79.18	-64.40	4.88	10.60	V
	3119	-57.68	-13	-44.68	-79.57	-62.61	5.52	12.60	V

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



LTE Band 26 / 15MHz / QPSK									
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	1659.5	-65.69	-13	-52.69	-77.34	-68.94	4.00	9.40	H
	2489.25	-60.44	-13	-47.44	-79.21	-64.01	4.88	10.60	H
	3319	-58.93	-13	-45.93	-79.81	-63.86	5.52	12.60	H
	1659.5	-64.87	-13	-51.87	-77.19	-68.12	4.00	9.40	V
	2489.25	-60.07	-13	-47.07	-79.10	-63.64	4.88	10.60	V
	3319	-58.57	-13	-45.57	-80.15	-63.50	5.52	12.60	V

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

LTE Band 41 / 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)
Middle	5168.18	-53.92	-25	-28.92	-77.84	-59.48	7.14	12.70	H
	7752.27	-48.97	-25	-23.97	-74.54	-52.27	8.30	11.60	H
	10336.36	-52.26	-25	-27.26	-82.85	-53.78	10.48	12.00	H
	5168.18	-50.02	-25	-25.02	-74.44	-55.58	7.14	12.70	V
	7752.27	-40.47	-25	-15.47	-69.13	-43.77	8.30	11.60	V
	10336.36	-50.32	-25	-25.32	-82.66	-51.84	10.48	12.00	V

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

LTE Band 66 / 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)
Middle	3492	-56.46	-13	-43.46	-77.99	-63.31	5.65	12.50	H
	5238	-56.41	-13	-43.41	-80.68	-62.08	7.13	12.80	H
	6984	-54.90	-13	-41.90	-80.66	-58.30	8.40	11.80	H
	3492	-48.22	-13	-35.22	-71.29	-55.07	5.65	12.50	V
	5238	-56.54	-13	-43.54	-80.88	-62.21	7.13	12.80	V
	6984	-55.18	-13	-42.18	-81.31	-58.58	8.40	11.80	V

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

**For Sample 2:**

LTE Band 41 / 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)
Middle	5168.18	-55.29	-25	-30.29	-79.21	-60.85	7.14	12.70	H
	7752.27	-47.43	-25	-22.43	-73.00	-50.73	8.30	11.60	H
	10336.36	-52.14	-25	-27.14	-82.73	-53.66	10.48	12.00	H
	5168.18	-54.33	-25	-29.33	-78.75	-59.89	7.14	12.70	V
	7752.27	-41.33	-25	-16.33	-69.99	-44.63	8.30	11.60	V
	10336.36	-50.40	-25	-25.40	-82.74	-51.92	10.48	12.00	V

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