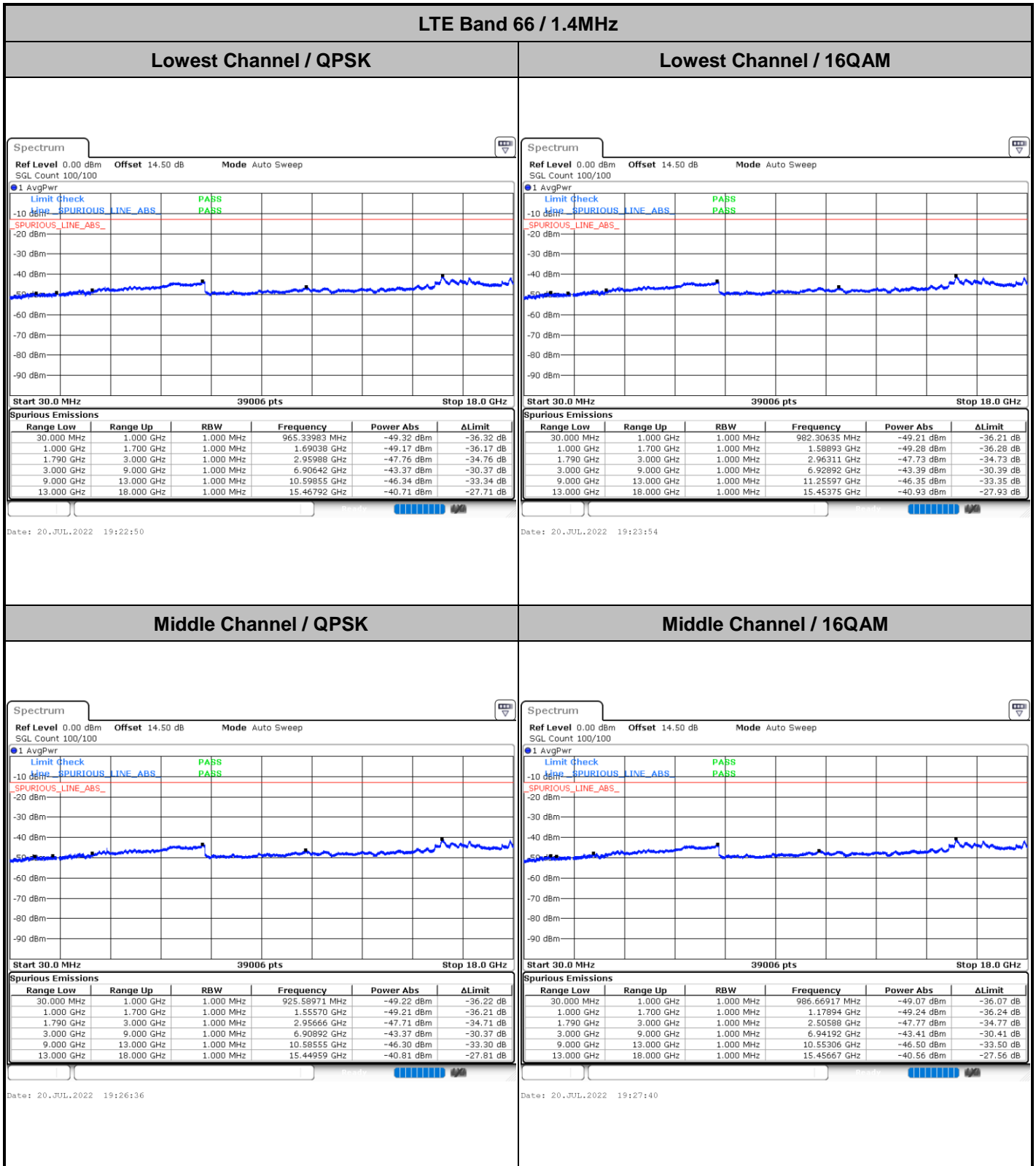




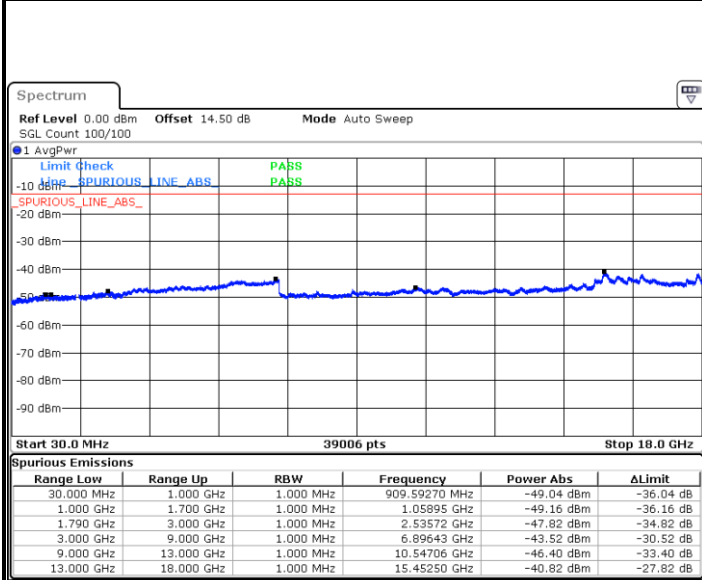
Conducted Spurious Emission





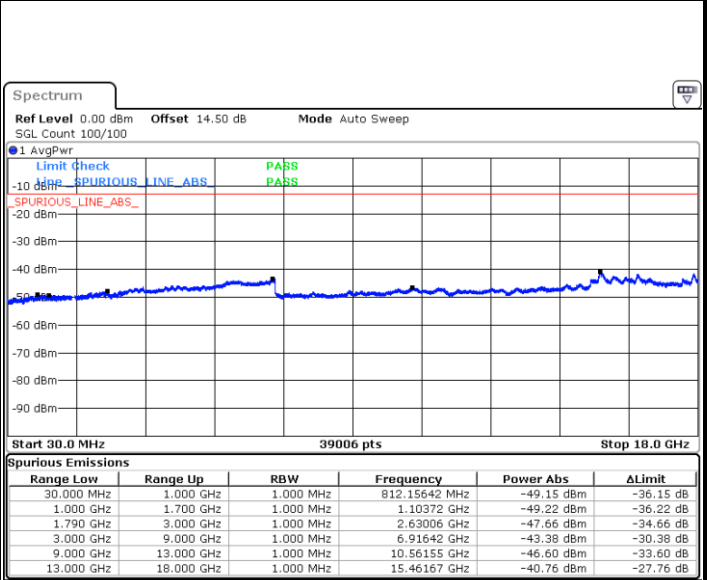
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 20.JUL.2022 19:35:55

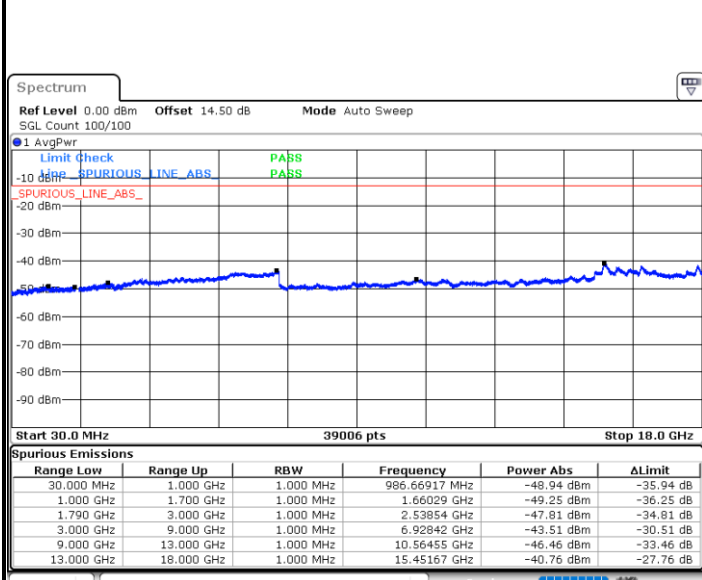
Highest Channel / 16QAM



Date: 20.JUL.2022 19:36:59

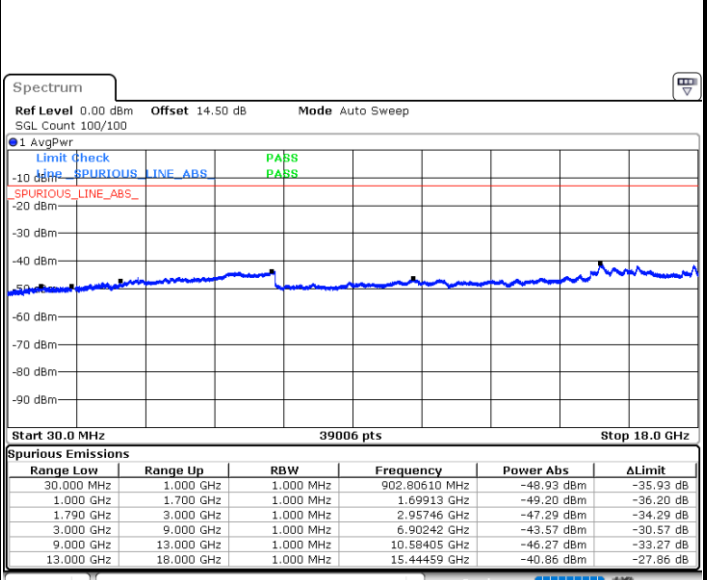
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 20.JUL.2022 20:14:36

Lowest Channel / 16QAM



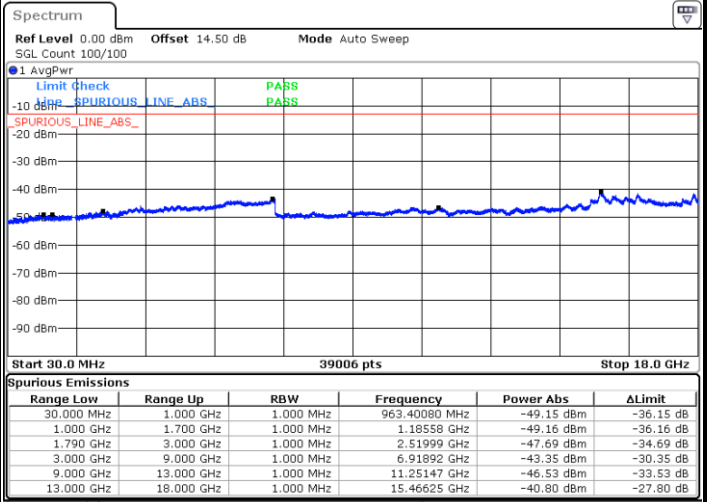
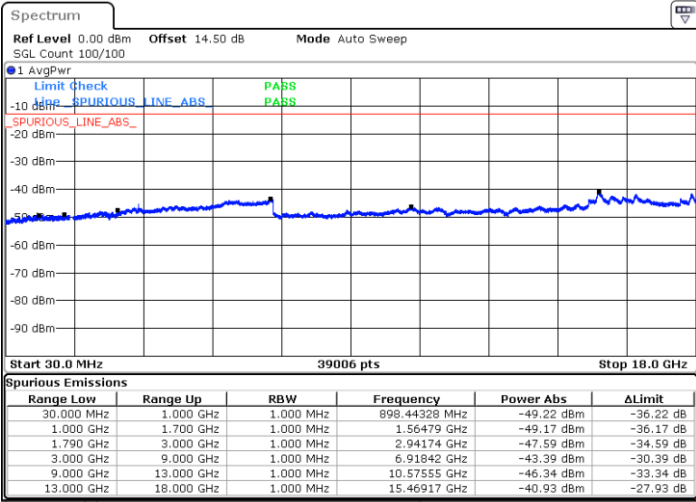
Date: 20.JUL.2022 20:15:50



LTE Band 66 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

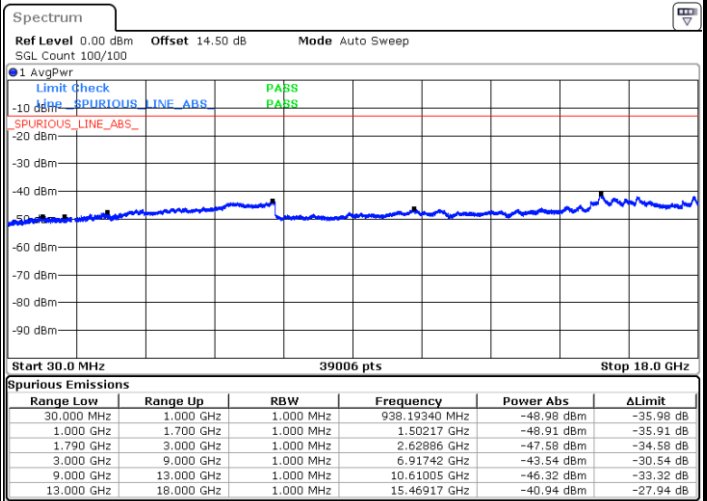
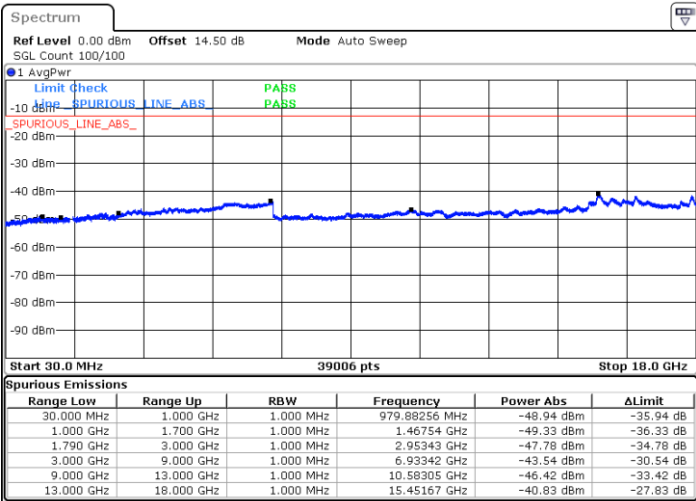


Date: 20.JUL.2022 20:18:42

Date: 20.JUL.2022 20:19:56

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 20.JUL.2022 20:28:25

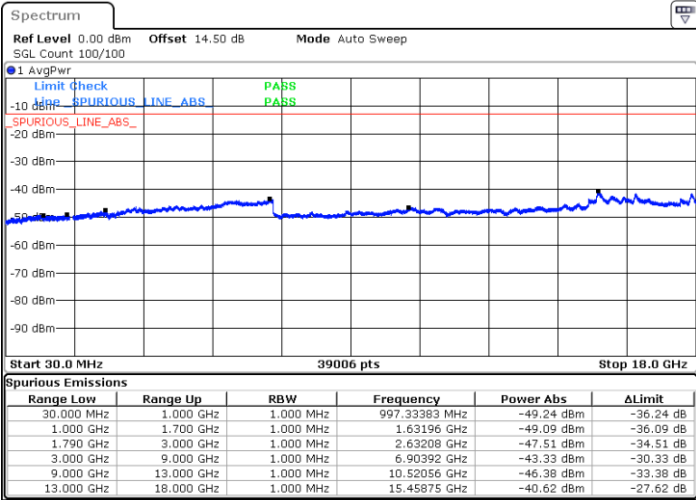
Date: 20.JUL.2022 20:29:39



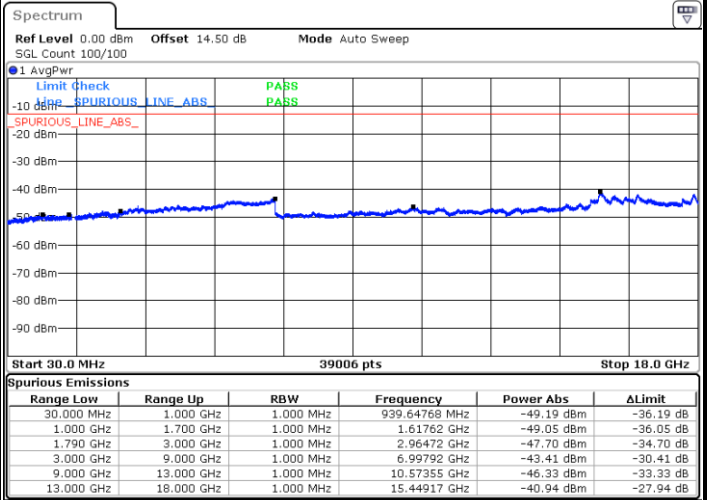
LTE Band 66 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



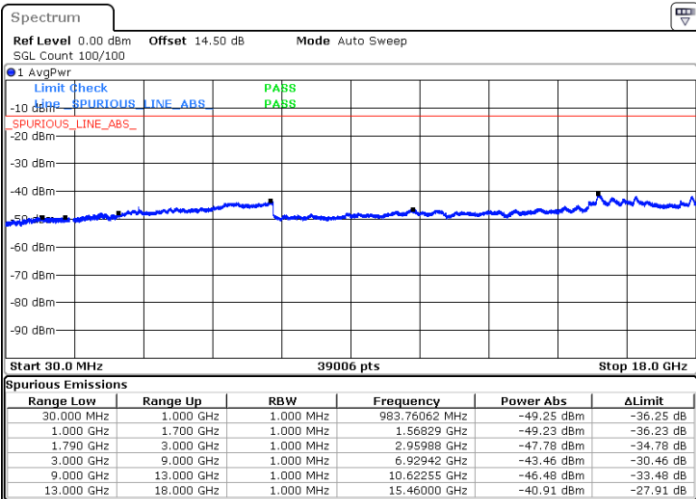
Date: 20.JUL.2022 21:03:16



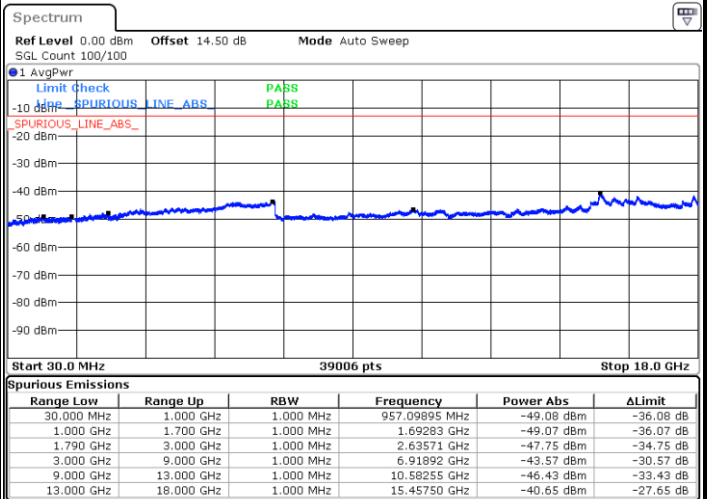
Date: 20.JUL.2022 21:04:30

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 20.JUL.2022 21:07:22



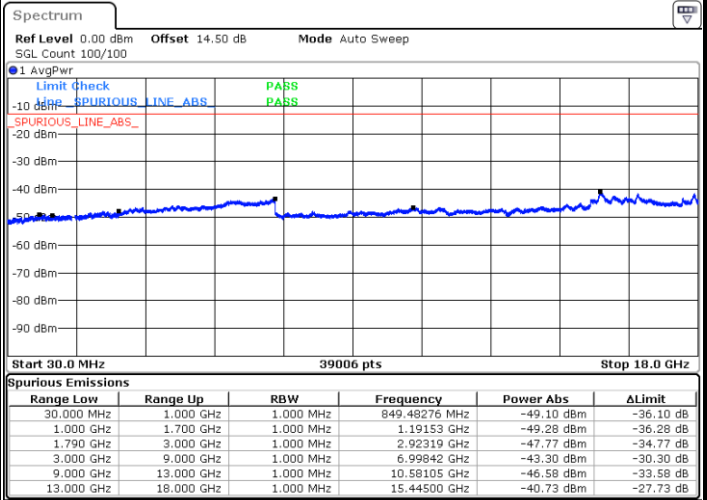
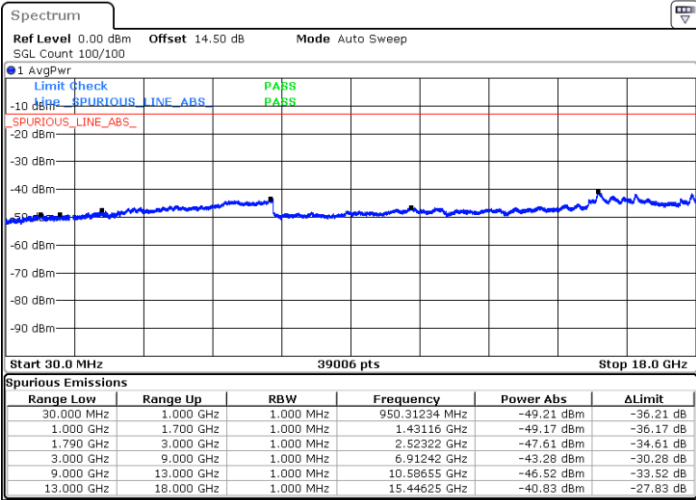
Date: 20.JUL.2022 21:08:36



LTE Band 66 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



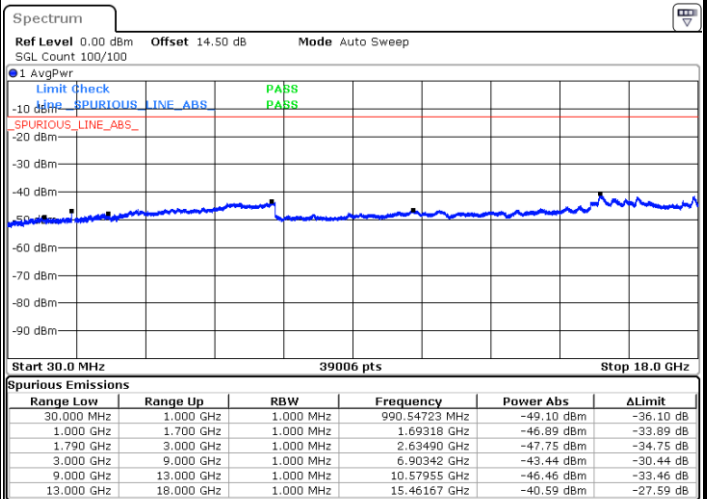
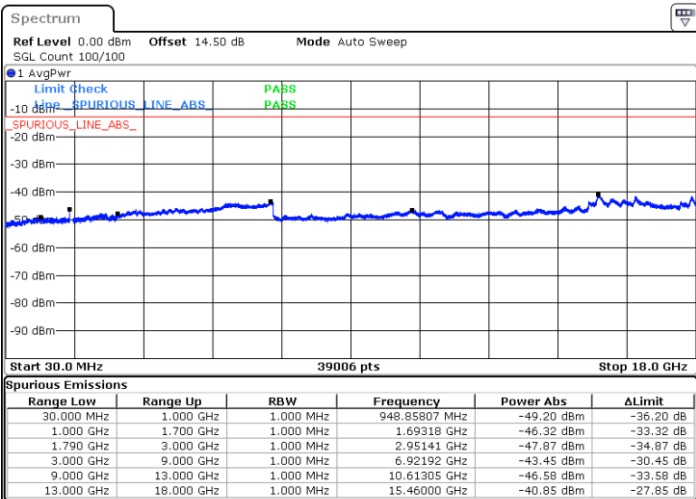
Date: 20.JUL.2022 21:17:42

Date: 20.JUL.2022 21:18:55

LTE Band 66 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 20.JUL.2022 21:27:22

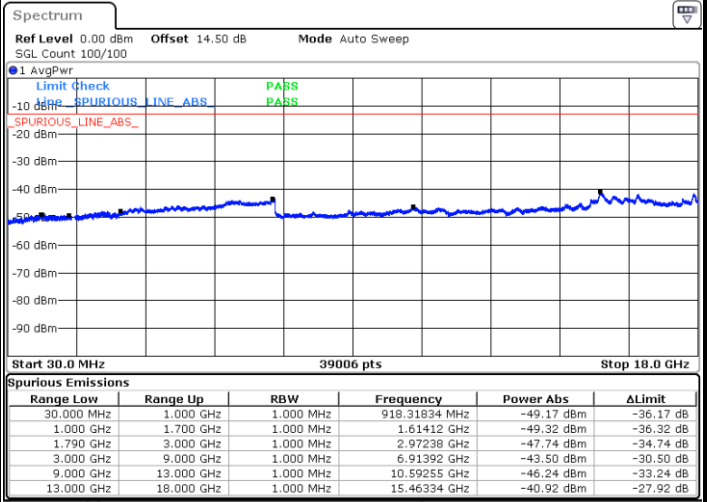
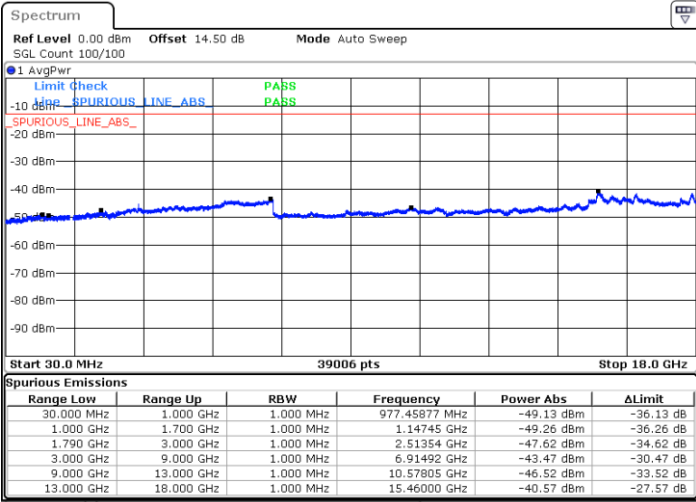
Date: 20.JUL.2022 21:28:35



LTE Band 66 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

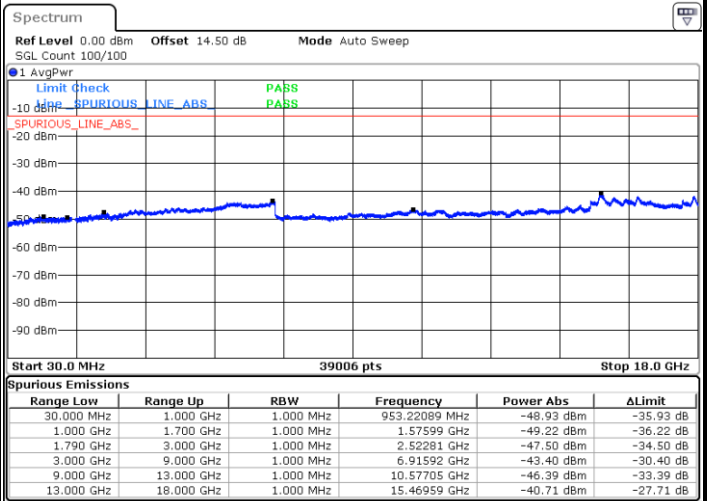
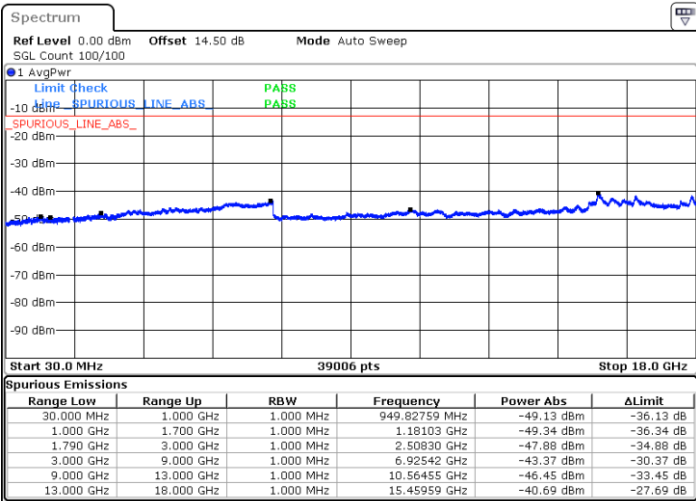


Date: 20.JUL.2022 21:31:27

Date: 20.JUL.2022 21:32:41

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 20.JUL.2022 21:41:06

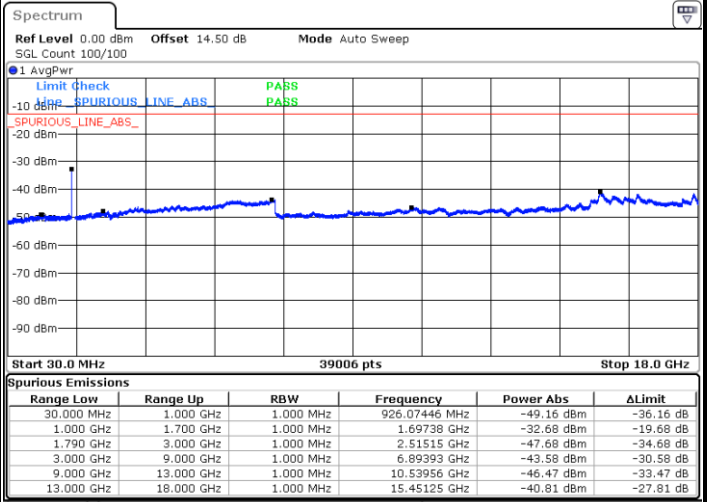
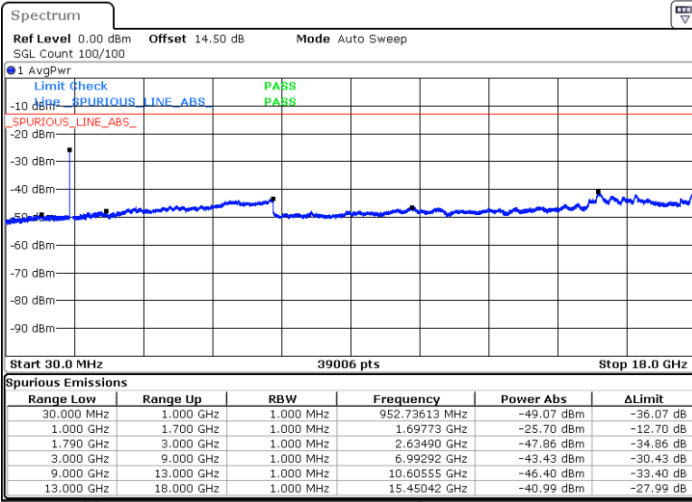
Date: 20.JUL.2022 21:42:20



LTE Band 66 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

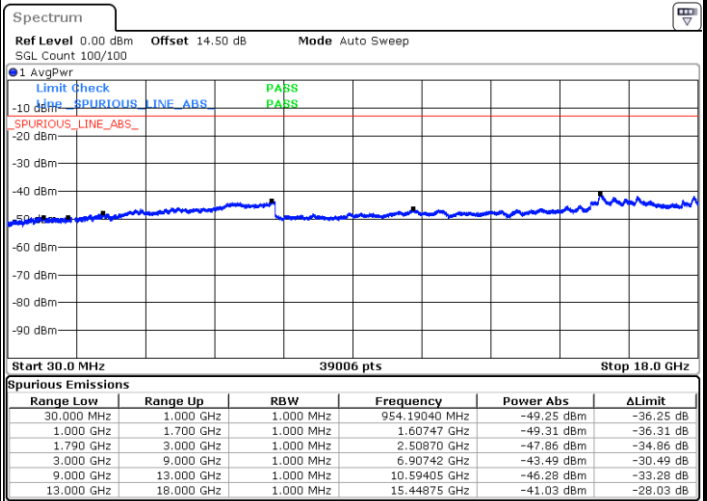
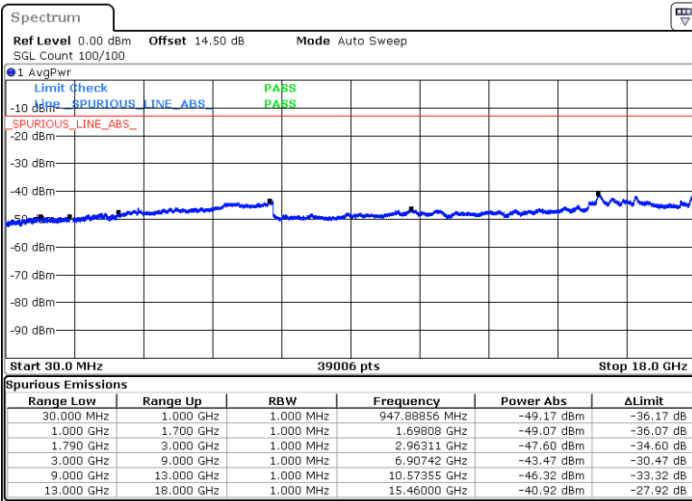


Date: 20.JUL.2022 22:15:21

Date: 20.JUL.2022 22:16:34

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 20.JUL.2022 22:20:09

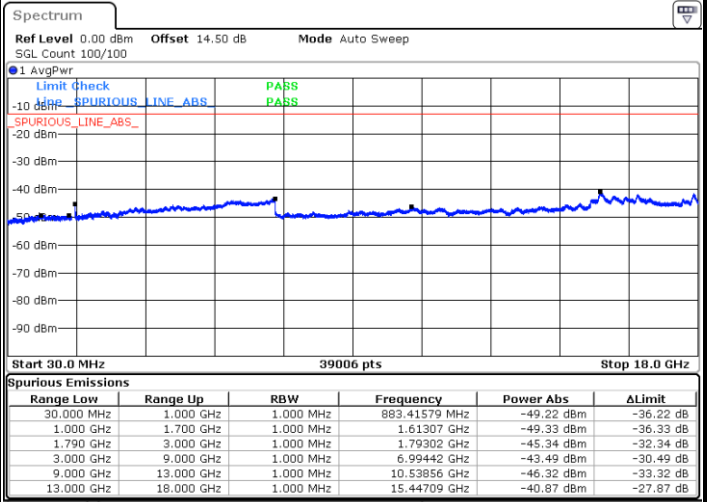
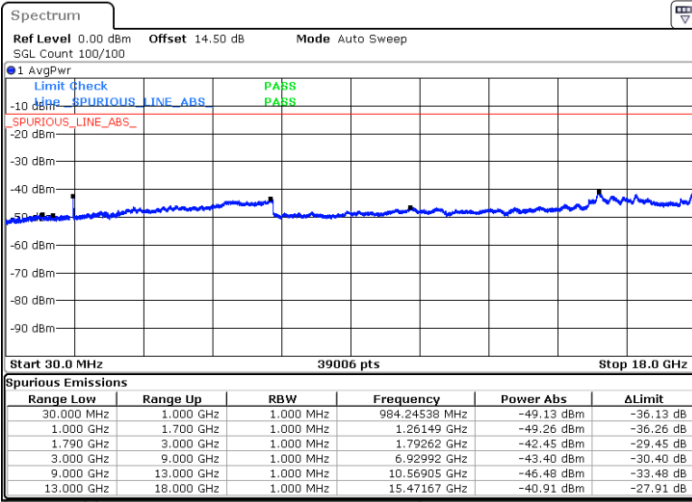
Date: 20.JUL.2022 22:21:23



LTE Band 66 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



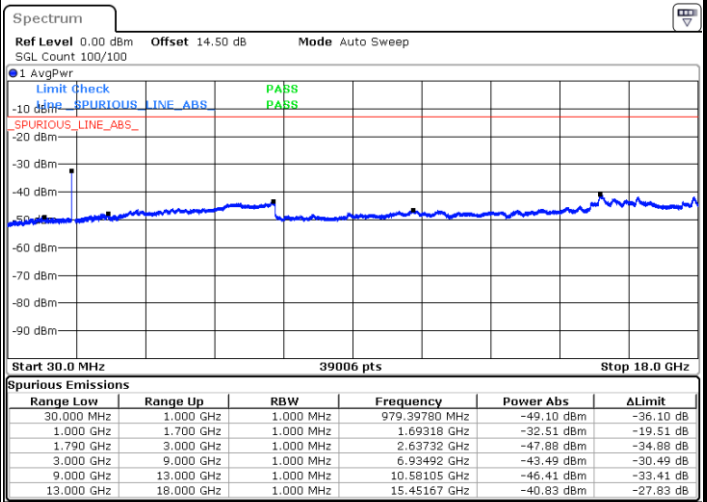
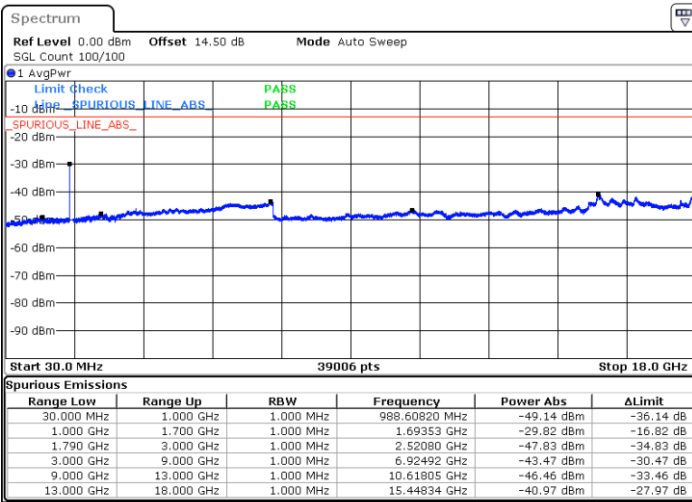
Date: 20.JUL.2022 22:29:48

Date: 20.JUL.2022 22:31:01

LTE Band 66 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 20.JUL.2022 22:39:28

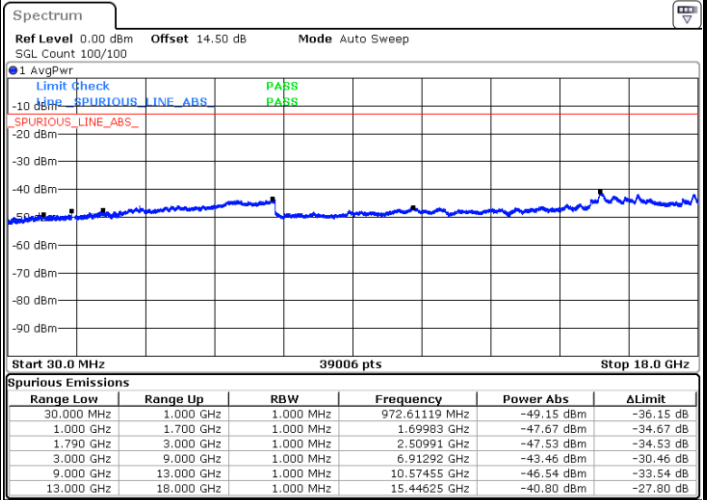
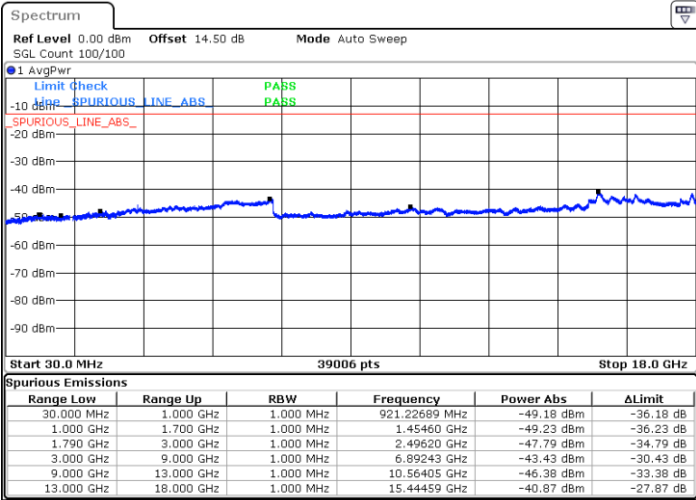
Date: 20.JUL.2022 22:40:41



LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

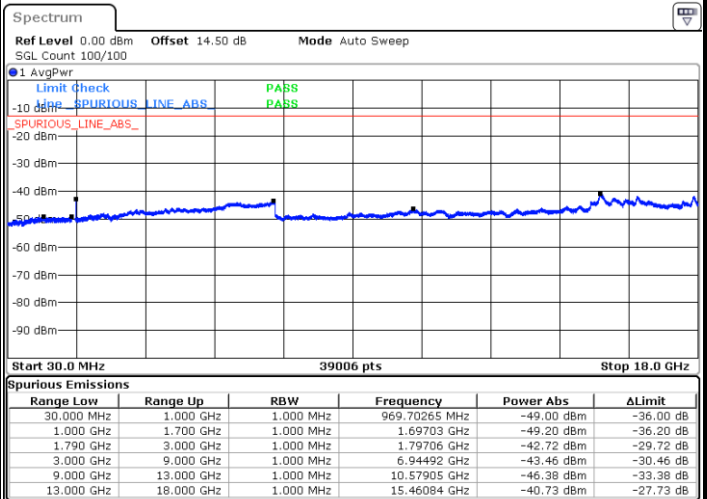
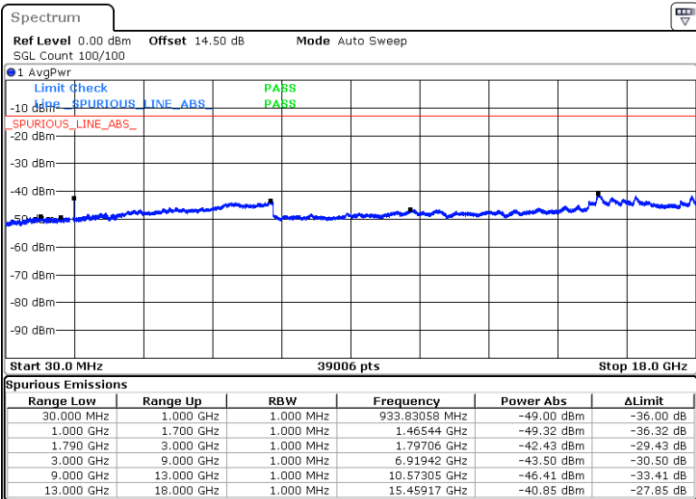


Date: 20.JUL.2022 22:43:32

Date: 20.JUL.2022 22:44:46

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 20.JUL.2022 22:53:11

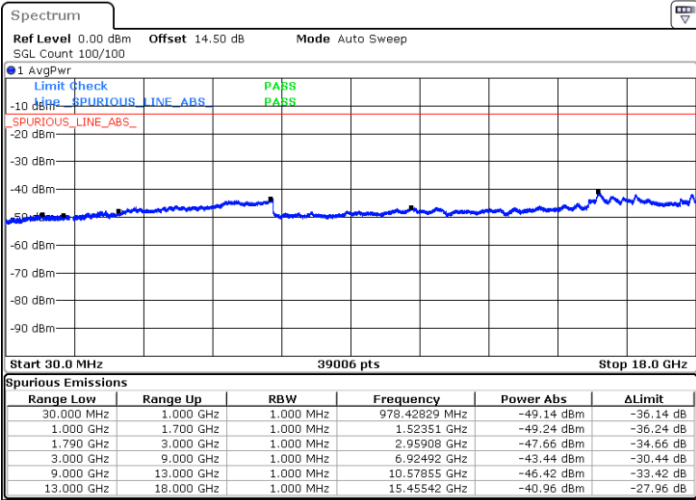
Date: 20.JUL.2022 22:54:25



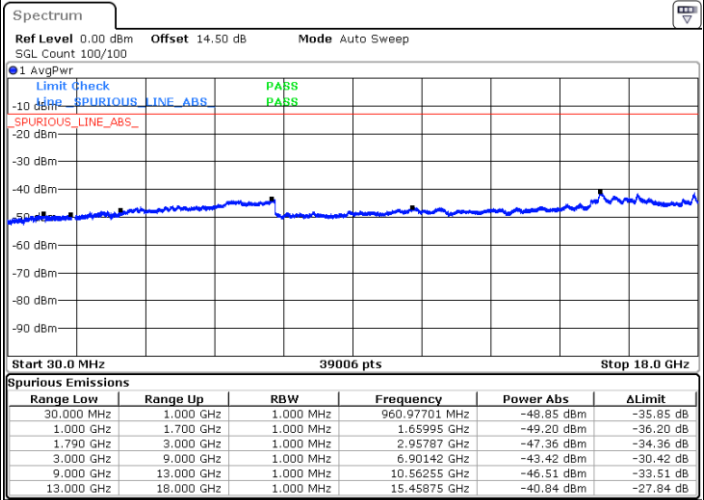
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

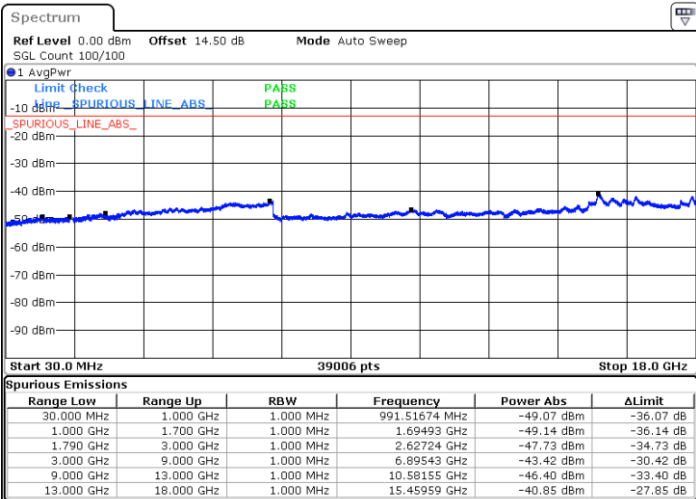


Date: 20.JUL.2022 19:46:36



Date: 20.JUL.2022 19:48:28

Highest Channel / 64QAM



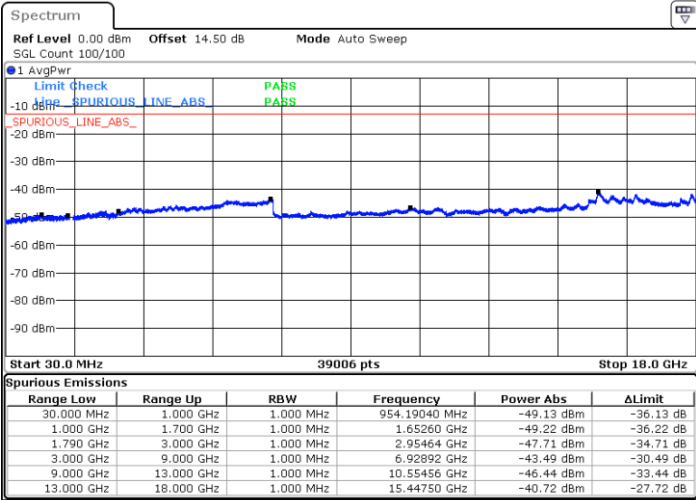
Date: 20.JUL.2022 19:53:08



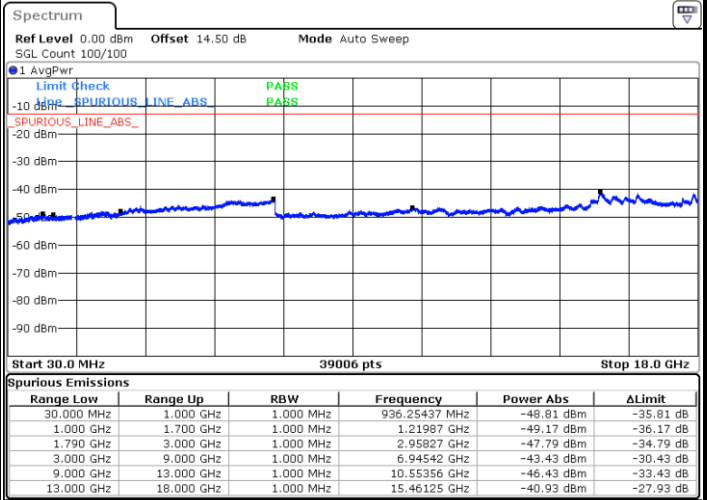
LTE Band 66 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

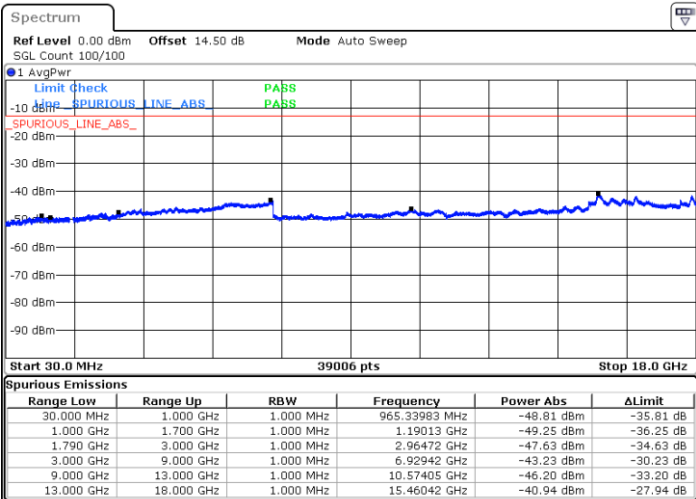


Date: 20.JUL.2022 20:37:03



Date: 20.JUL.2022 20:38:56

Highest Channel / 64QAM



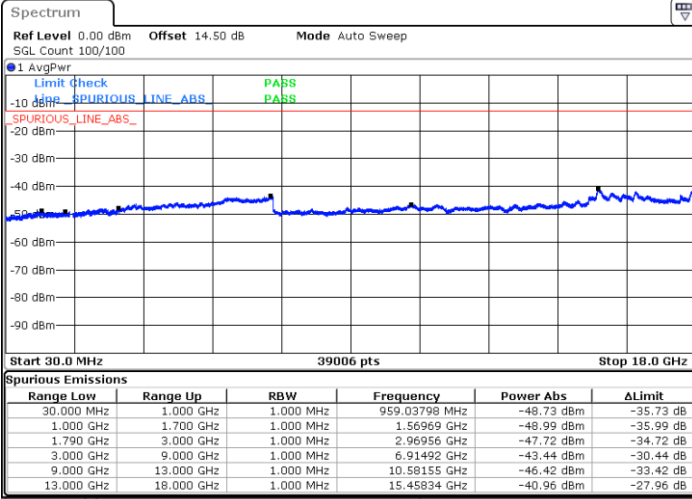
Date: 20.JUL.2022 20:43:36



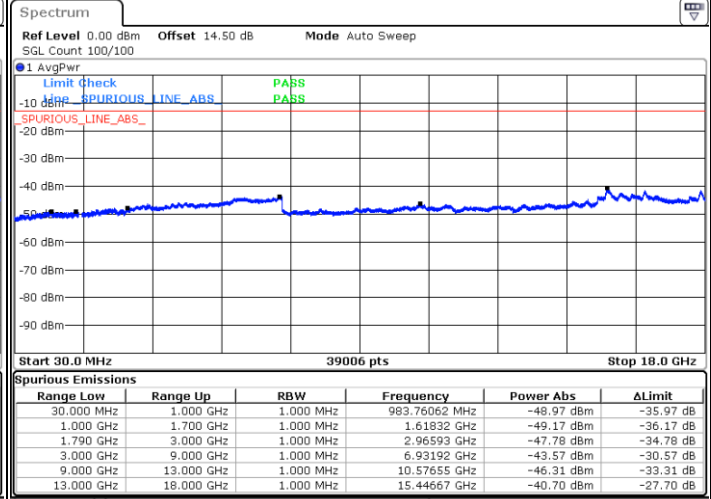
LTE Band 66 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

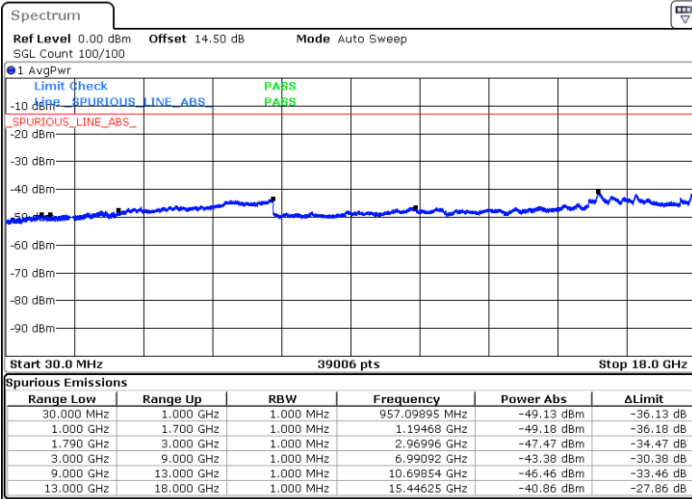


Date: 20.JUL.2022 20:48:17



Date: 20.JUL.2022 20:50:10

Highest Channel / 64QAM



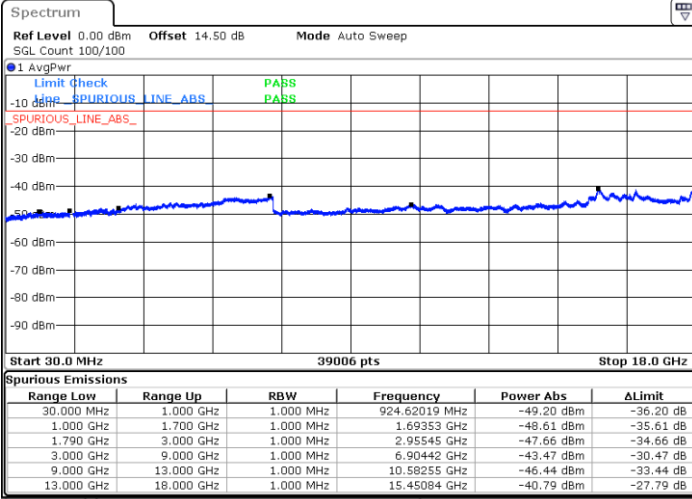
Date: 20.JUL.2022 20:54:51



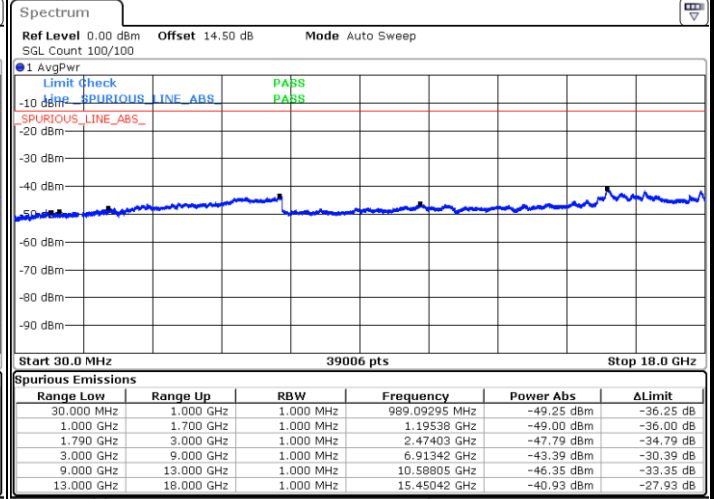
LTE Band 66 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

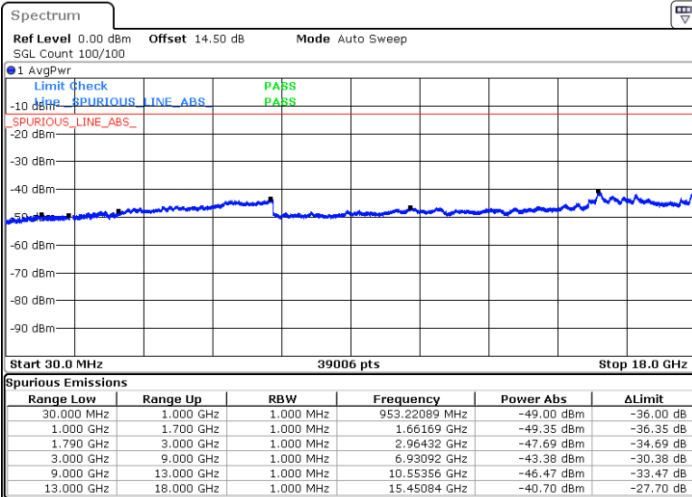


Date: 20.JUL.2022 21:47:00



Date: 20.JUL.2022 21:48:53

Highest Channel / 64QAM



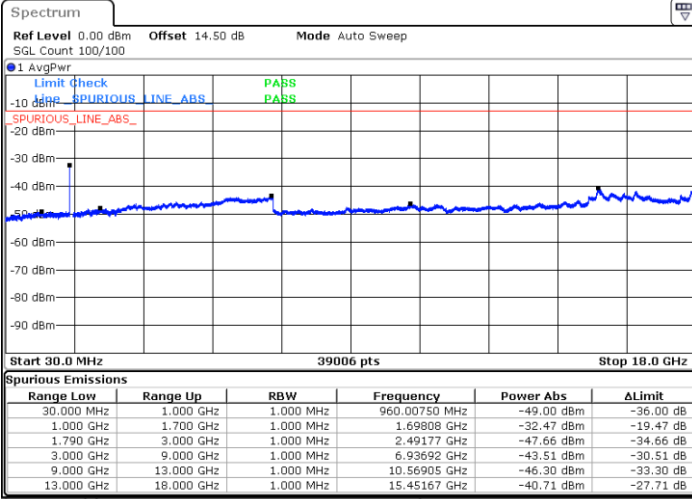
Date: 20.JUL.2022 21:53:33



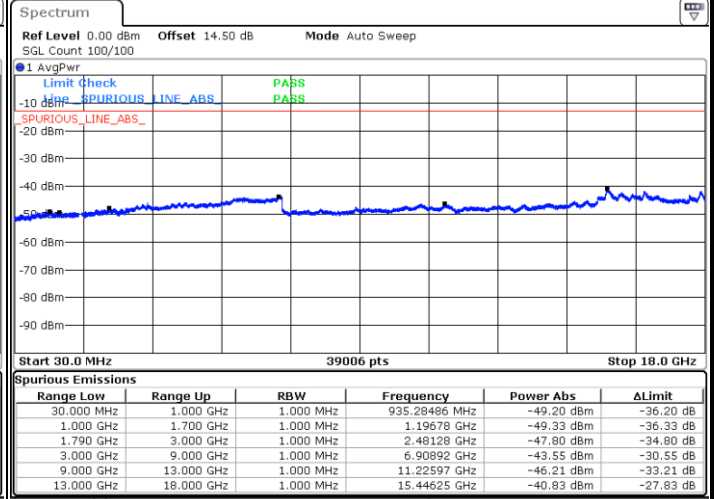
LTE Band 66 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

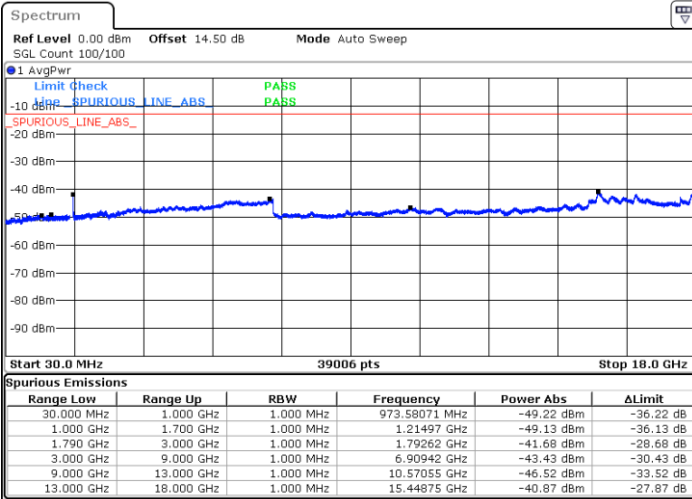


Date: 20.JUL.2022 22:00:20



Date: 20.JUL.2022 22:02:13

Highest Channel / 64QAM



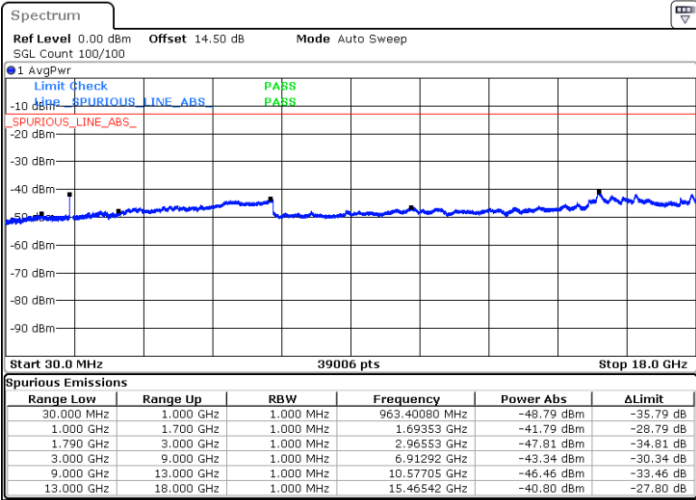
Date: 20.JUL.2022 22:06:54



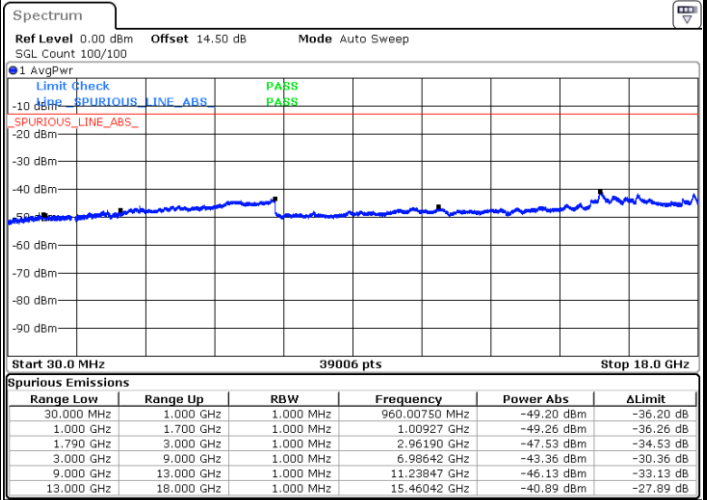
LTE Band 66 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

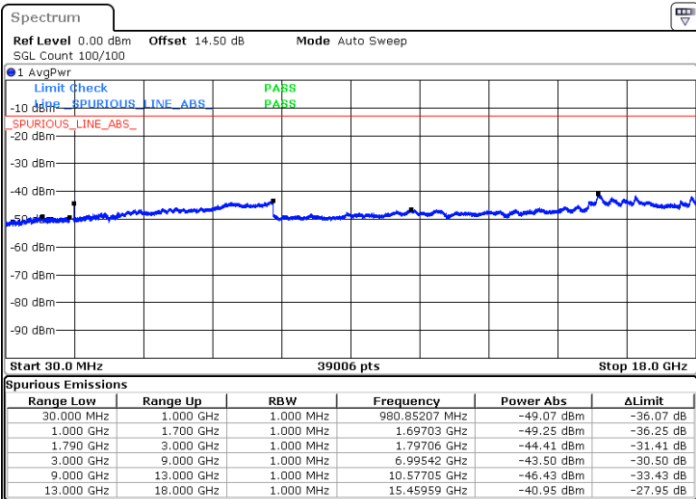


Date: 20.JUL.2022 22:59:05



Date: 20.JUL.2022 23:00:58

Highest Channel / 64QAM



Date: 20.JUL.2022 23:05:37



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	0.0002	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0004	
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 =4.45 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 :	Shun ping You	Temperature :	22~25°C
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for the different antenna, we choose the worst antenna mode to test.

LTE Band 2 / 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)
Middle	3742.18	-52.83	-13	-39.83	-70.70	-59.58	5.85	12.60	H
	5613.27	-56.69	-13	-43.69	-78.95	-62.49	7.30	13.10	H
	7484.36	-53.17	-13	-40.17	-79.50	-56.32	8.35	11.50	H
	3742.18	-53.20	-13	-40.20	-70.99	-59.95	5.85	12.60	V
	5613.27	-56.28	-13	-43.28	-78.73	-62.08	7.30	13.10	V
	7484.36	-53.21	-13	-40.21	-79.53	-56.36	8.35	11.50	V

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

LTE Band 7 / 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)
Middle	5052.18	-57.59	-25	-32.59	-79.53	-63.15	7.14	12.70	H
	7578.27	-50.67	-25	-25.67	-76.77	-53.97	8.30	11.60	H
	10104.36	-48.14	-25	-23.14	-79.73	-49.66	10.48	12.00	H
	5052.18	-57.59	-25	-32.59	-79.65	-63.15	7.14	12.70	V
	7578.27	-52.04	-25	-27.04	-78.1	-55.34	8.30	11.60	V
	10104.36	-49.12	-25	-24.12	-79.31	-50.64	10.48	12.00	V

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

LTE Band 13 / 5MHz / QPSK (ANT0)									
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	-64.94	-42.15	-22.79	-74.41	-68.19	4.00	9.40	H
	2339.25	-62.61	-13	-49.61	-76.93	-66.18	4.88	10.60	H
	3119	-60.06	-13	-47.06	-77.63	-64.99	5.52	12.60	H
	1559.5	-65.65	-42.15	-23.50	-75.20	-68.90	4.00	9.40	V
	2339.25	-62.48	-13	-49.48	-76.80	-66.05	4.88	10.60	V
	3119	-59.87	-13	-46.87	-77.48	-64.80	5.52	12.60	V

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



LTE Band 13 / 10MHz / QPSK (ANT0)									
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	-74.94	-68.72	4.00	9.40	H
	2339.25	-62.40	-13	-49.40	-76.72	-65.97	4.88	10.60	H
	3119	-59.84	-13	-46.84	-77.41	-64.77	5.52	12.60	H
	1559.5	-65.67	-42.15	-23.52	-75.22	-68.92	4.00	9.40	V
	2339.25	-62.29	-13	-49.29	-76.61	-65.86	4.88	10.60	V
	3119	-59.94	-13	-46.94	-77.55	-64.87	5.52	12.60	V

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

LTE Band 26 / 15MHz / QPSK (ANT0)									
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	-65.83	-13	-52.83	-75.33	-69.08	4.00	9.40	H
	2496	-63.16	-13	-50.16	-77.36	-66.73	4.88	10.60	H
	3328	-61.67	-13	-48.67	-77.88	-66.60	5.52	12.60	H
	1664	-66.49	-13	-53.49	-75.59	-69.74	4.00	9.40	V
	2496	-62.73	-13	-49.73	-76.89	-66.30	4.88	10.60	V
	3328	-61.85	-13	-48.85	-77.82	-66.78	5.52	12.60	V

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

LTE Band 41 / 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)
Middle	5172.00	-58.12	-25	-33.12	-79.72	-63.68	7.14	12.70	H
	7758.00	-50.31	-25	-25.31	-76.71	-53.61	8.30	11.60	H
	10344.00	-47.95	-25	-22.95	-79.54	-49.47	10.48	12.00	H
	5172.00	-58.21	-25	-33.21	-80.08	-63.77	7.14	12.70	V
	7758.00	-50.76	-25	-25.76	-77	-54.06	8.30	11.60	V
	10344.00	-48.87	-25	-23.87	-79.59	-50.39	10.48	12.00	V

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



LTE Band 66 / 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)
Middle	3472	-45.91	-13	-32.91	-62.85	-52.76	5.65	12.50	H
	5208	-58.94	-13	-45.94	-80.37	-64.61	7.13	12.80	H
	6944	-52.29	-13	-39.29	-78.21	-55.69	8.40	11.80	H
	3472	-45.58	-13	-32.58	-62.54	-52.43	5.65	12.50	V
	5208	-58.64	-13	-45.64	-80.32	-64.31	7.13	12.80	V
	6944	-51.70	-13	-38.70	-78.09	-55.10	8.40	11.80	V

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