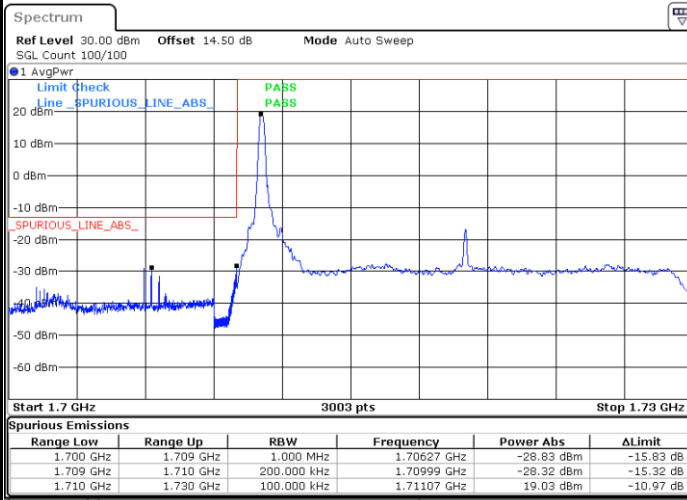




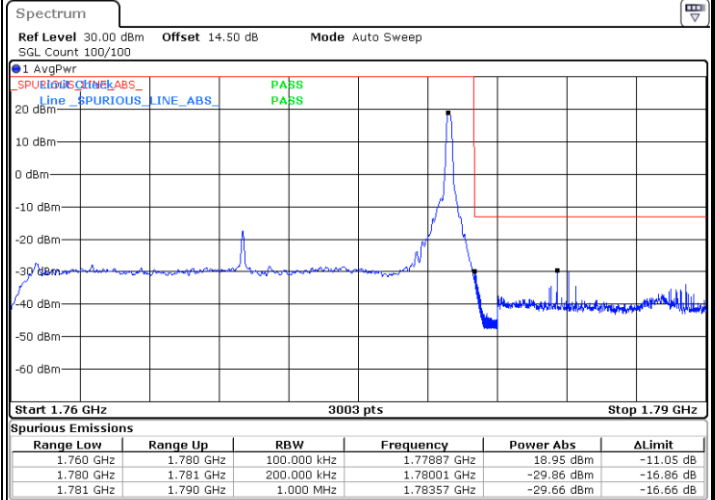
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



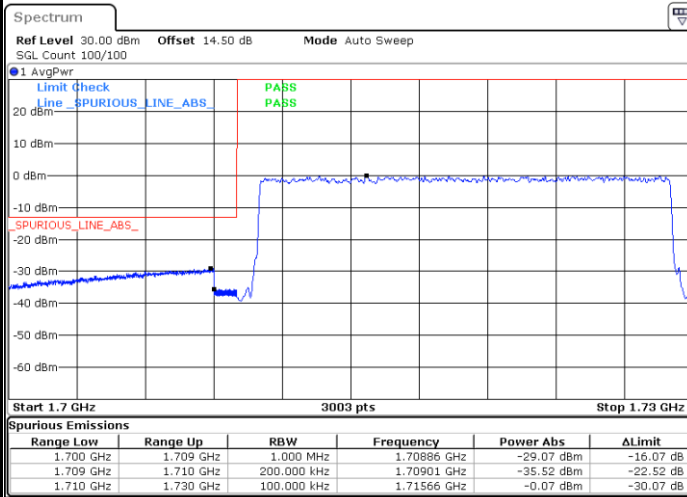
Date: 14.JAN.2023 20:22:42

Highest Band Edge / 1 RB



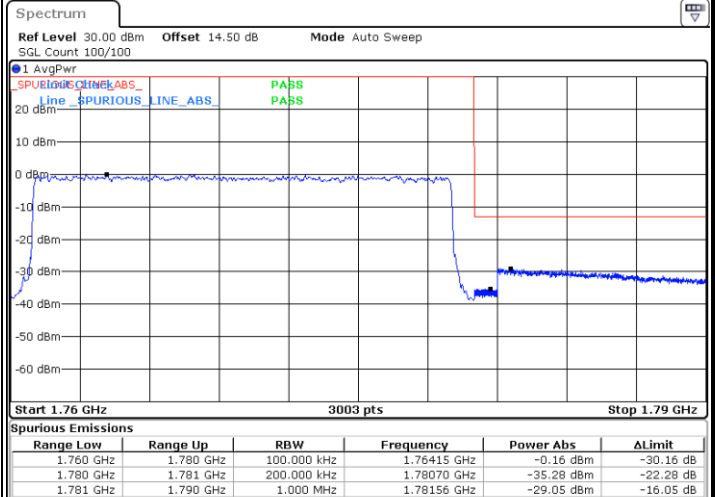
Date: 14.JAN.2023 20:33:21

Lowest Band Edge / Full RB



Date: 14.JAN.2023 20:24:38

Highest Band Edge / Full RB

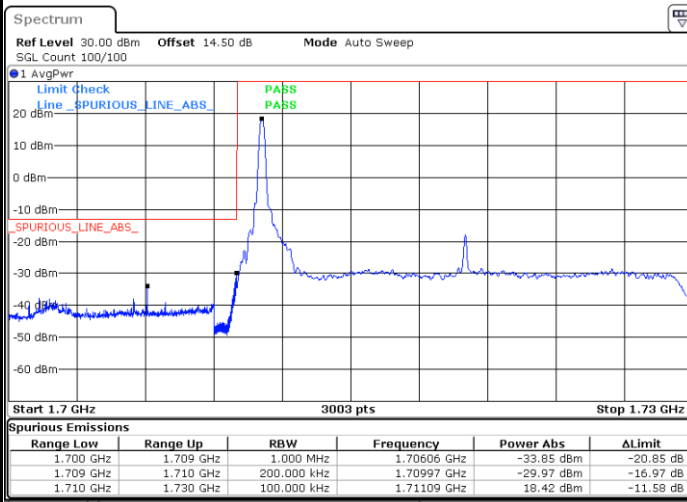


Date: 14.JAN.2023 20:35:16



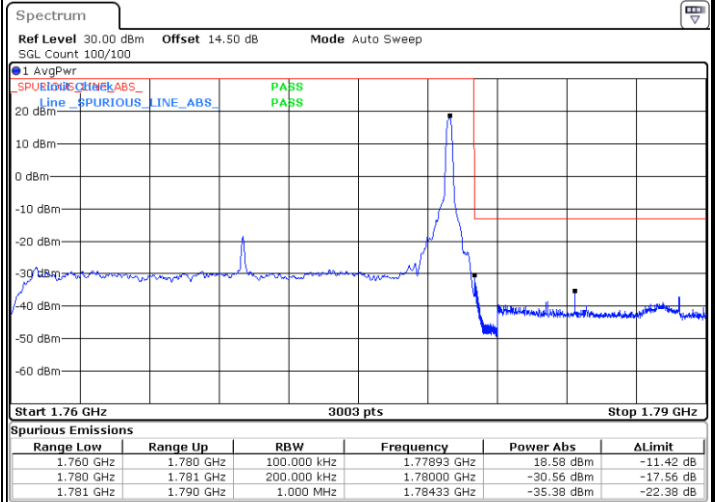
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



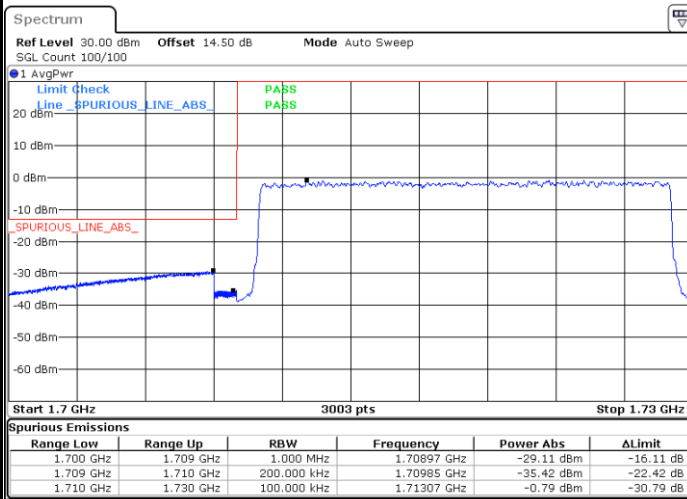
Date: 14.JAN.2023 21:41:19

Highest Band Edge / 1 RB



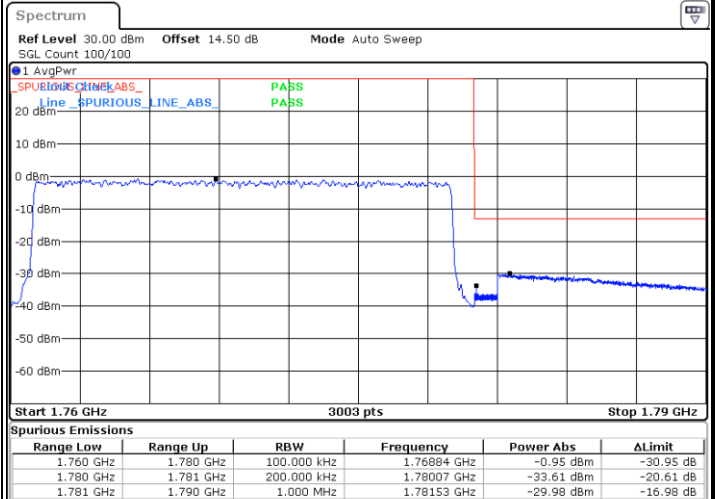
Date: 14.JAN.2023 21:46:39

Lowest Band Edge / Full RB



Date: 14.JAN.2023 21:42:27

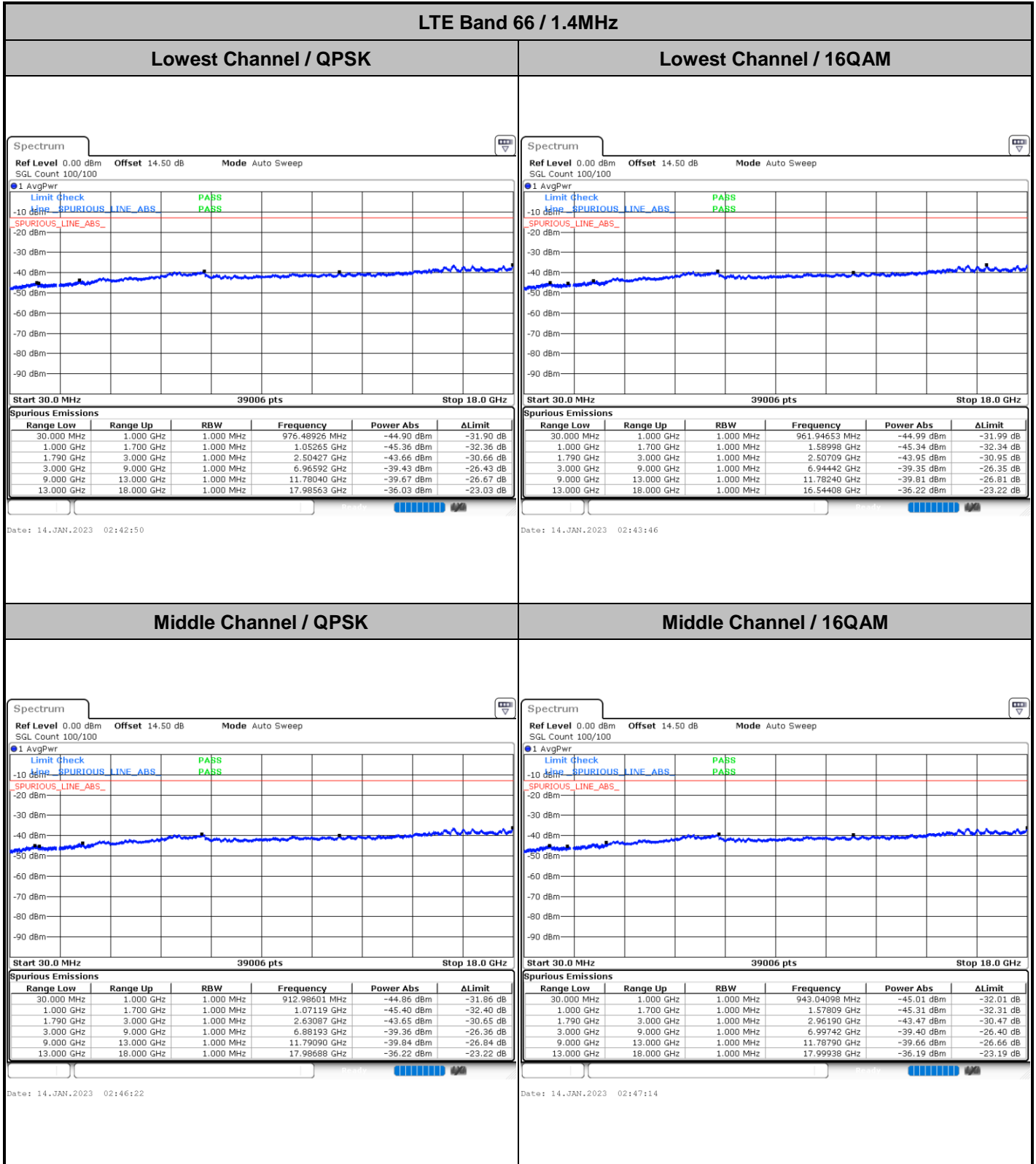
Highest Band Edge / Full RB



Date: 14.JAN.2023 21:47:47



Conducted Spurious Emission

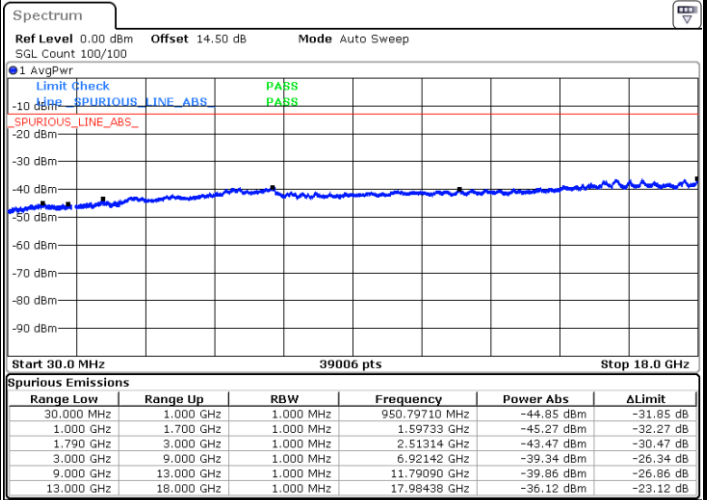
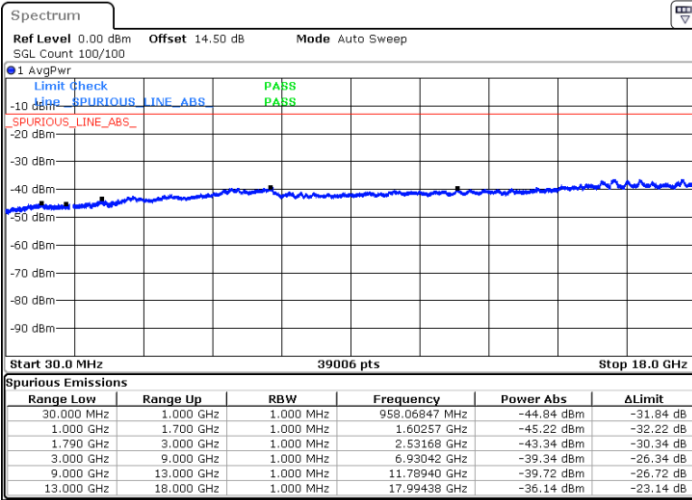




LTE Band 66 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



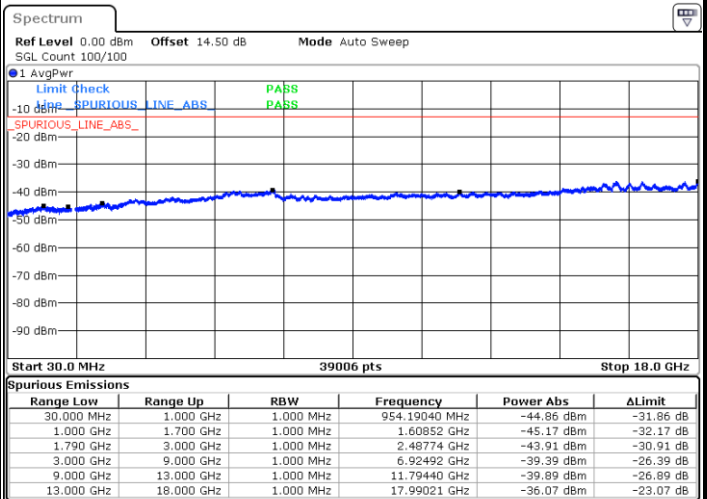
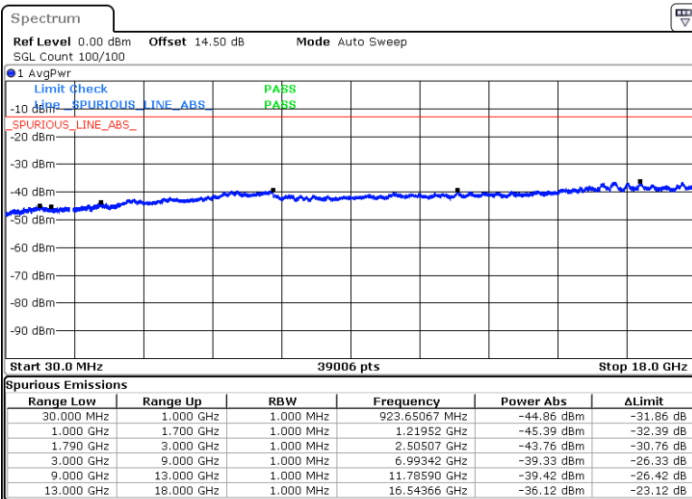
Date: 14.JAN.2023 02:54:48

Date: 14.JAN.2023 02:55:41

LTE Band 66 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 14.JAN.2023 03:02:42

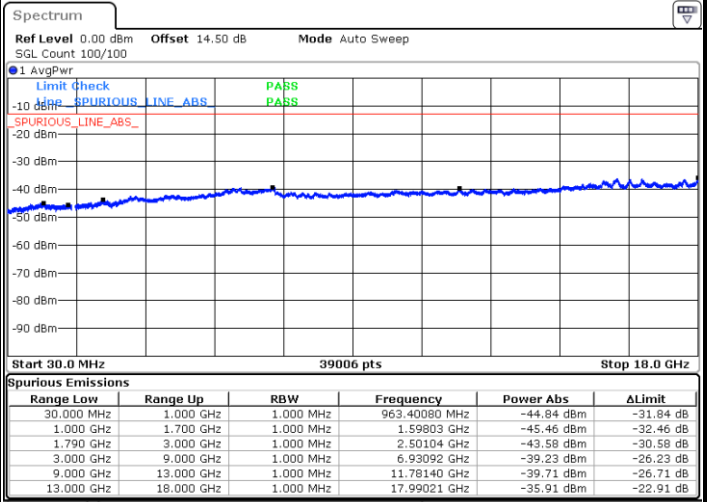
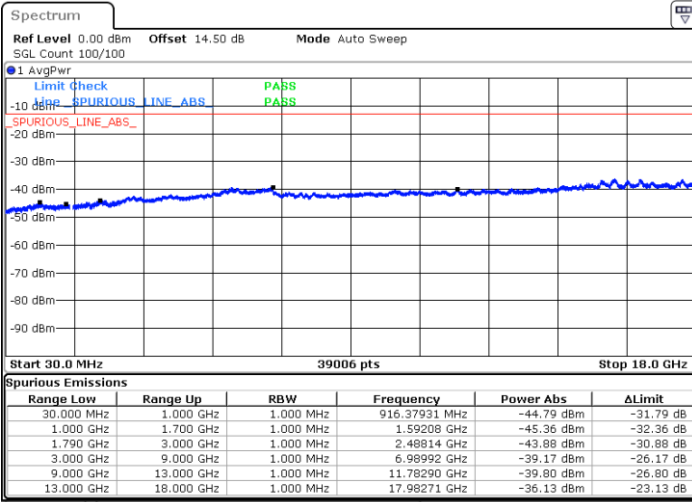
Date: 14.JAN.2023 03:03:35



LTE Band 66 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

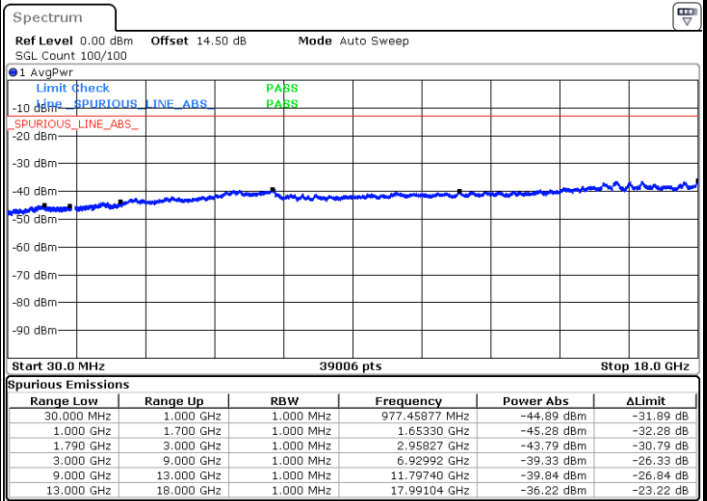
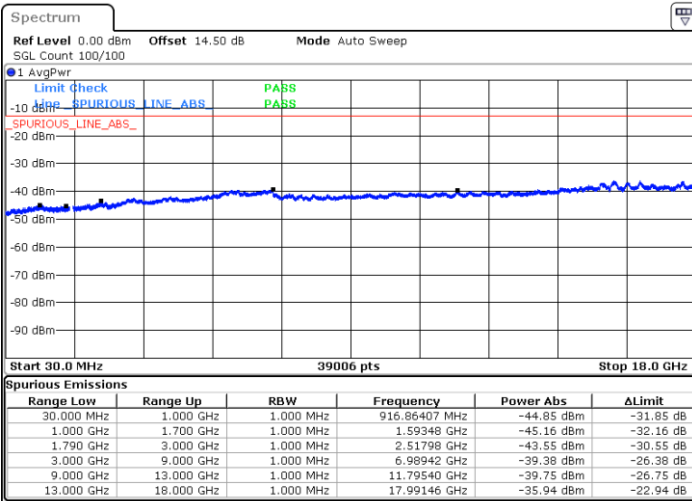


Date: 14.JAN.2023 03:06:06

Date: 14.JAN.2023 03:06:59

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.JAN.2023 03:14:00

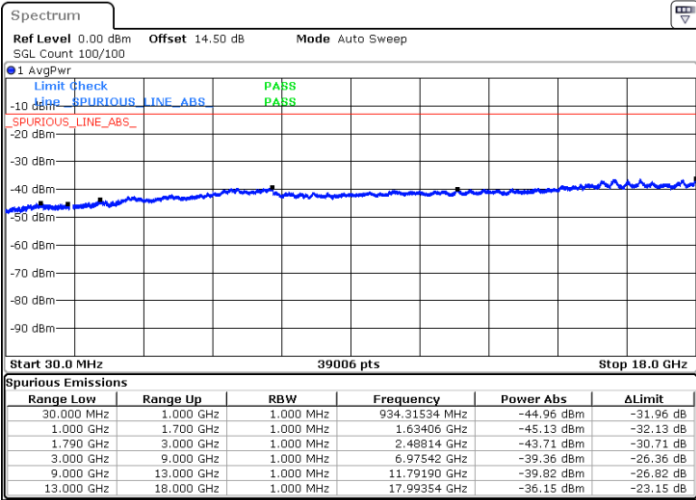
Date: 14.JAN.2023 03:14:53



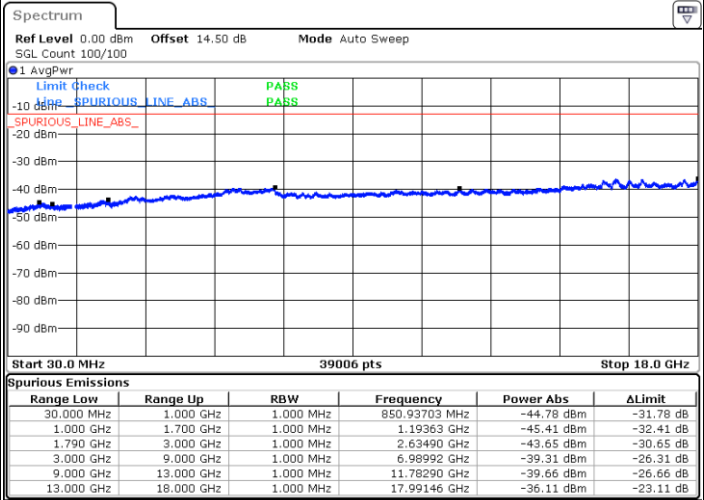
LTE Band 66 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



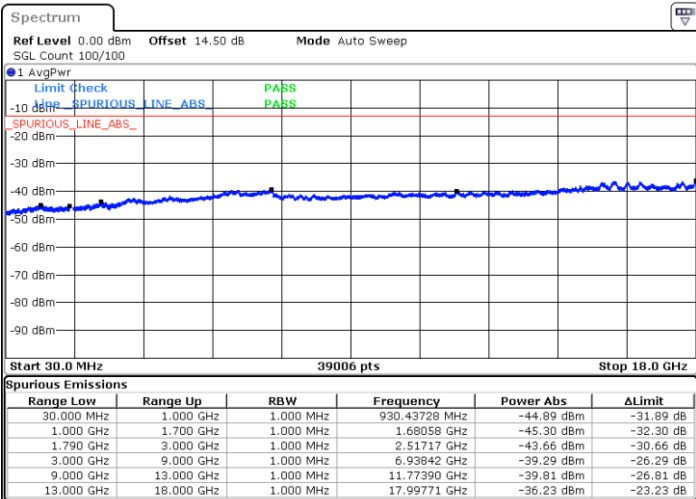
Date: 14.JAN.2023 03:21:53



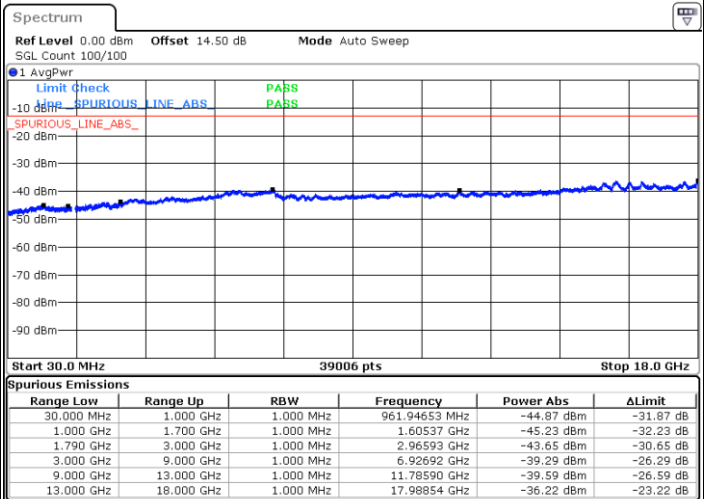
Date: 14.JAN.2023 03:22:46

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 14.JAN.2023 03:25:17



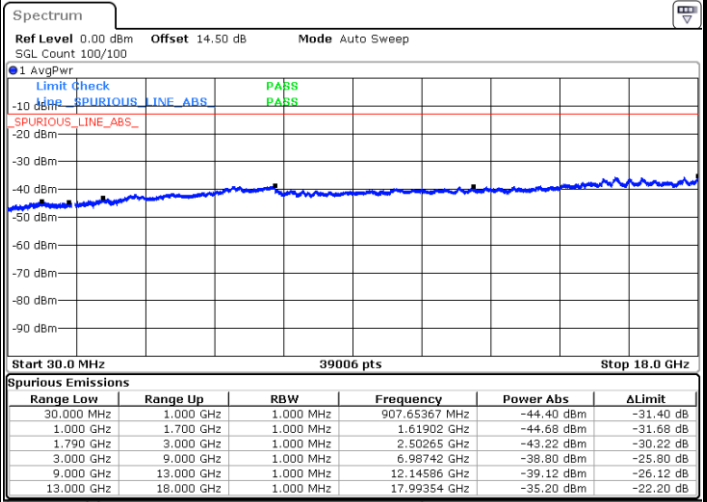
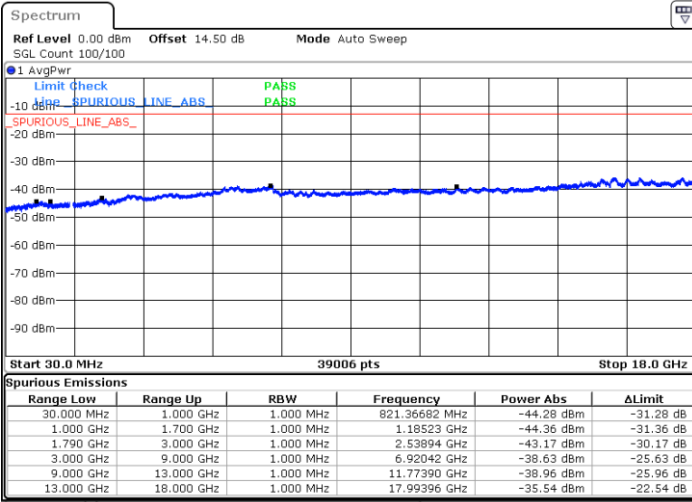
Date: 14.JAN.2023 03:26:10



LTE Band 66 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



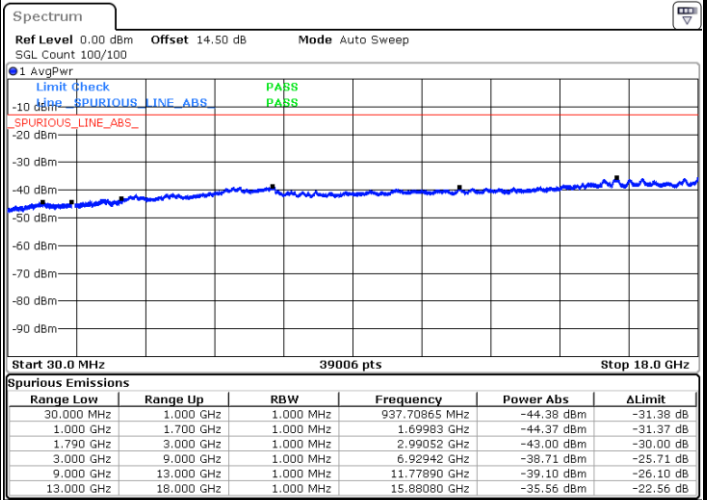
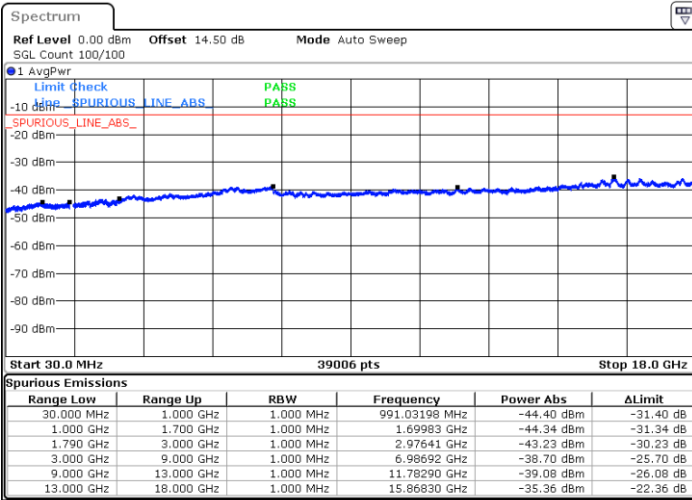
Date: 14.JAN.2023 19:12:02

Date: 14.JAN.2023 19:12:57

LTE Band 66 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 14.JAN.2023 19:26:36

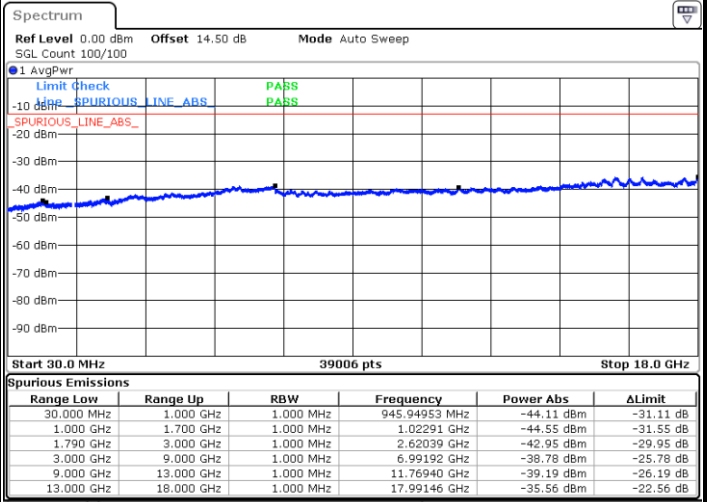
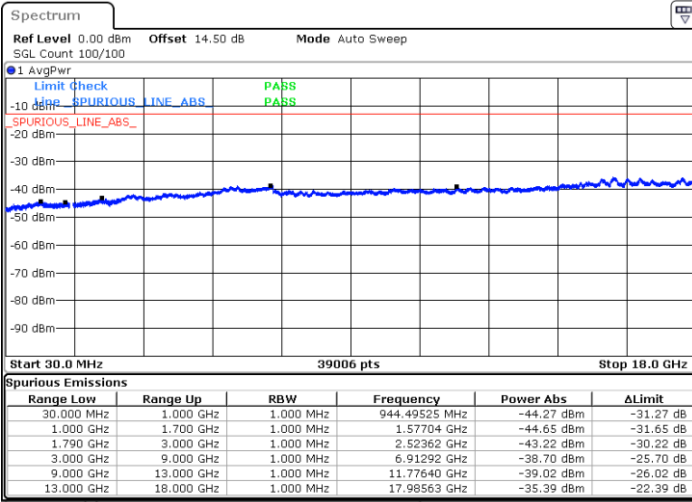
Date: 14.JAN.2023 19:27:29



LTE Band 66 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

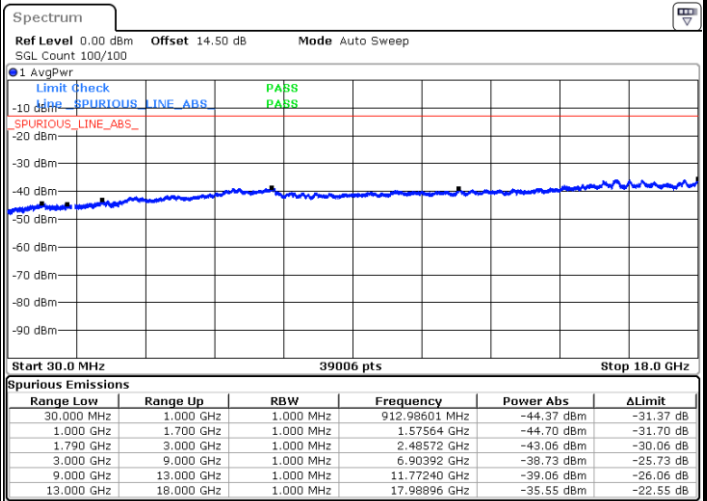
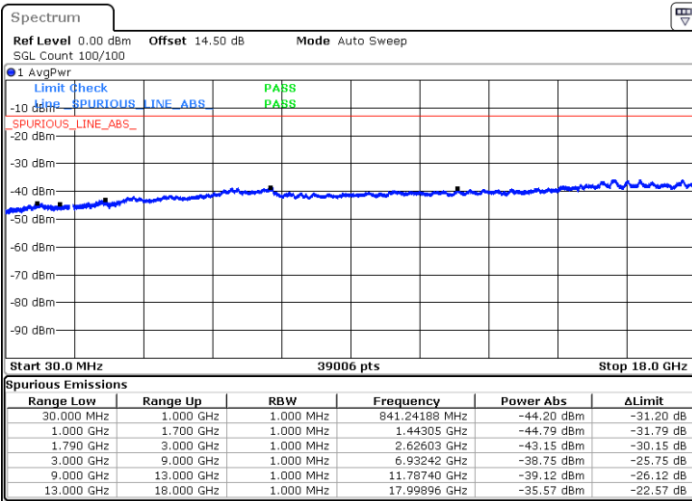


Date: 14.JAN.2023 19:30:00

Date: 14.JAN.2023 19:30:53

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.JAN.2023 19:37:33

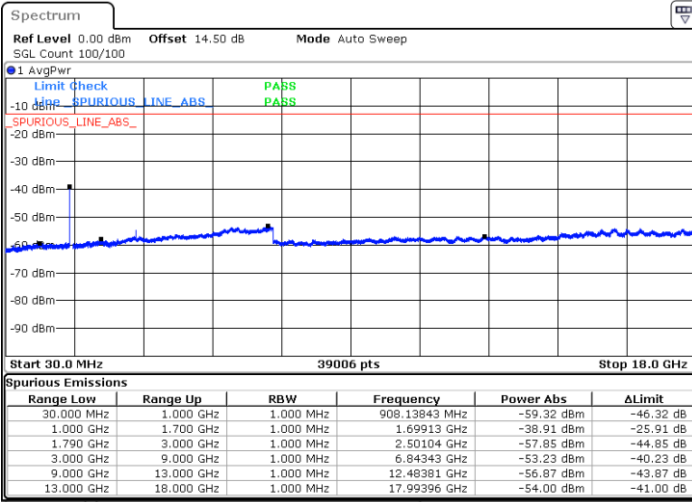
Date: 14.JAN.2023 19:38:26



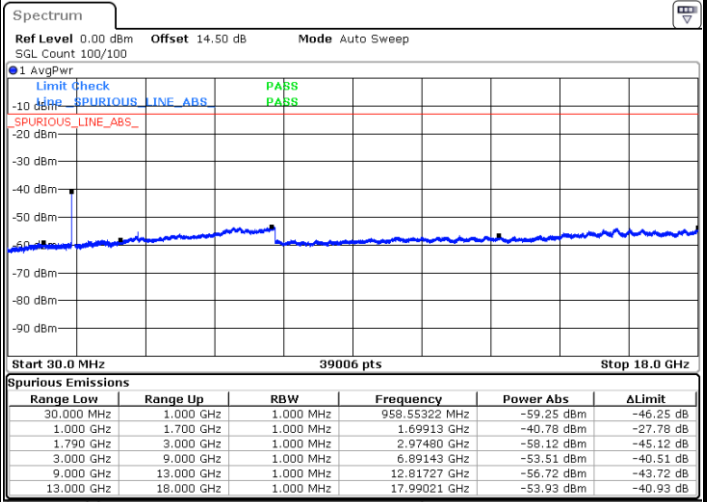
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



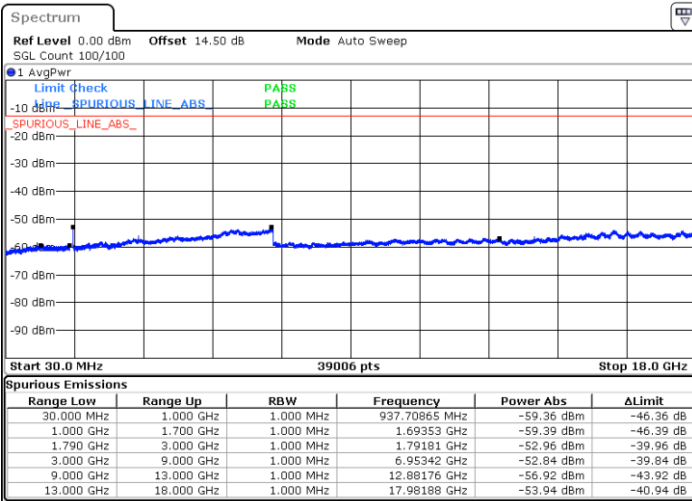
Date: 14.JAN.2023 20:07:37



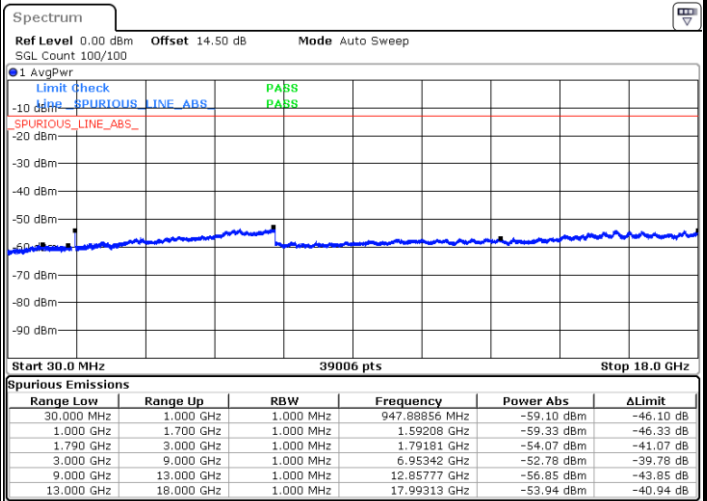
Date: 14.JAN.2023 20:08:30

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 14.JAN.2023 20:11:01

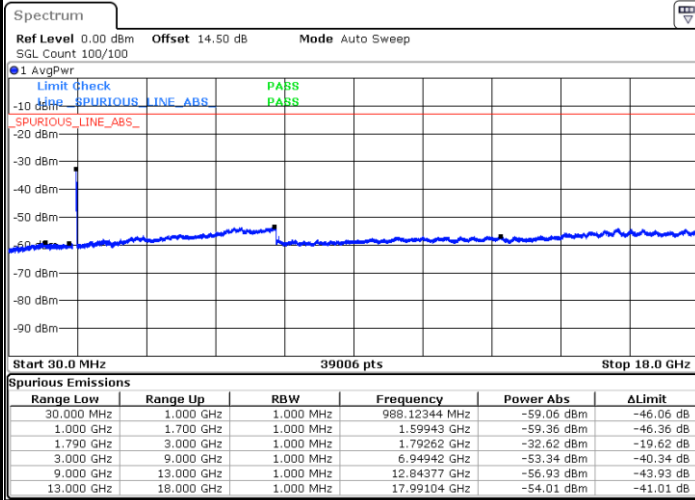


Date: 14.JAN.2023 20:11:54



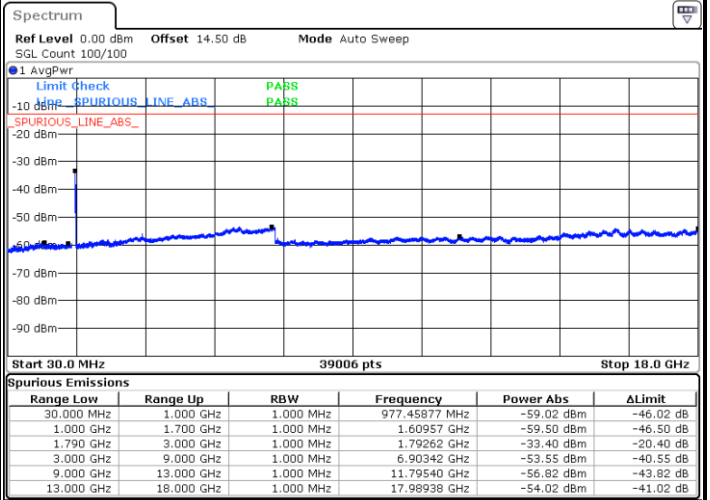
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 14.JAN.2023 20:18:16

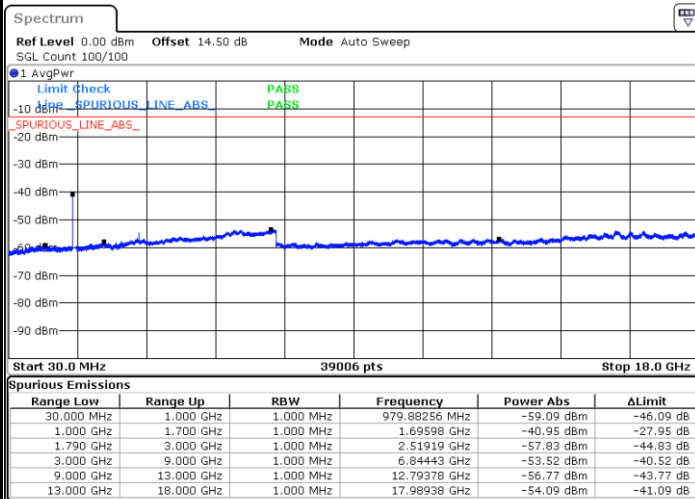
Highest Channel / 16QAM



Date: 14.JAN.2023 20:19:09

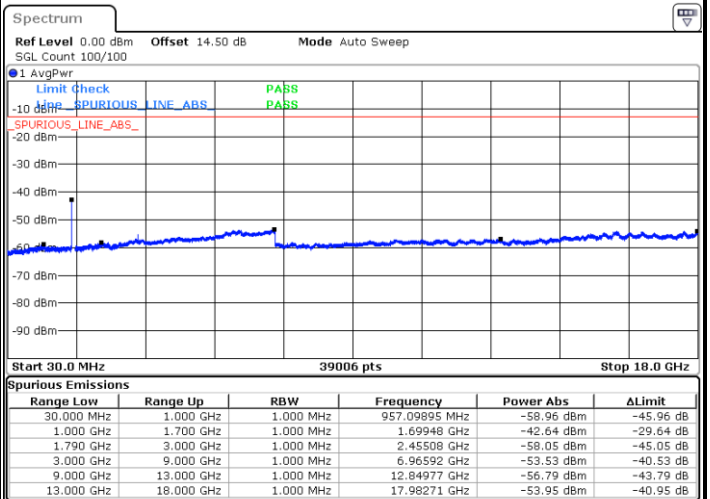
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 14.JAN.2023 20:25:30

Lowest Channel / 16QAM



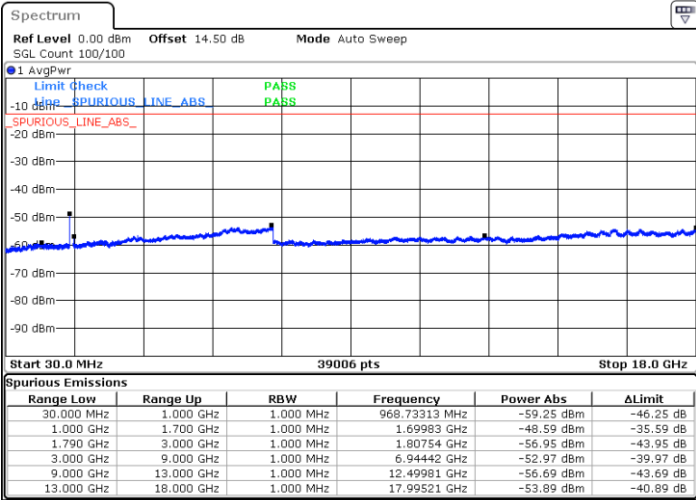
Date: 14.JAN.2023 20:26:24



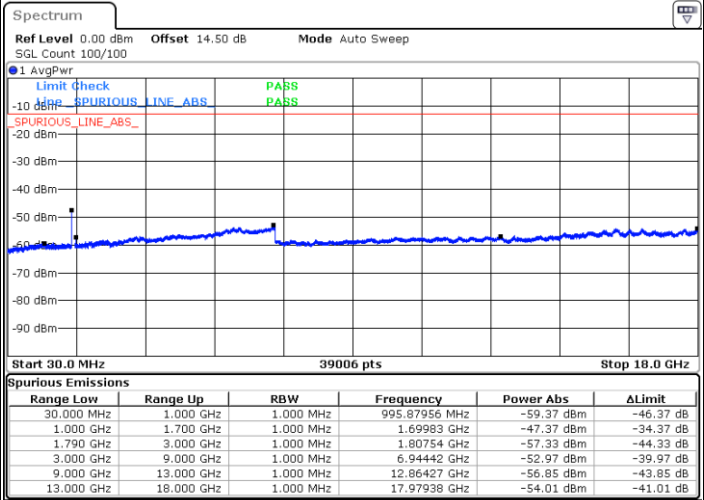
LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



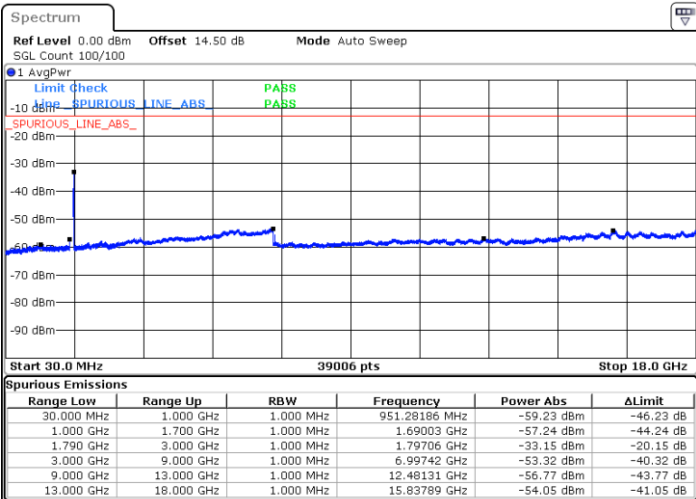
Date: 14.JAN.2023 20:28:54



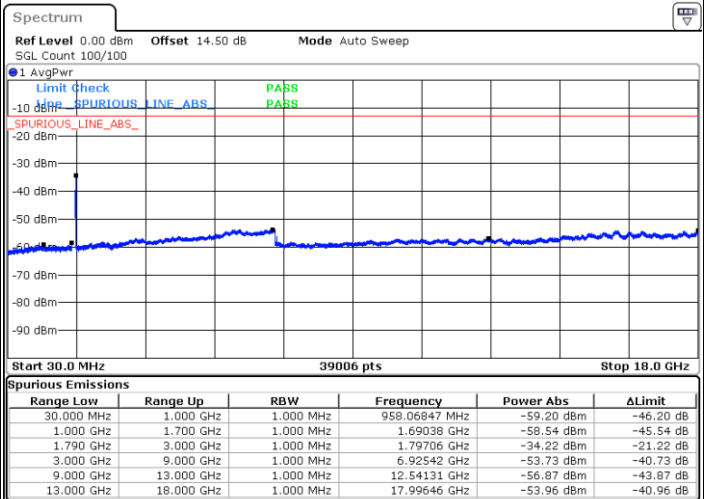
Date: 14.JAN.2023 20:29:48

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.JAN.2023 20:36:09



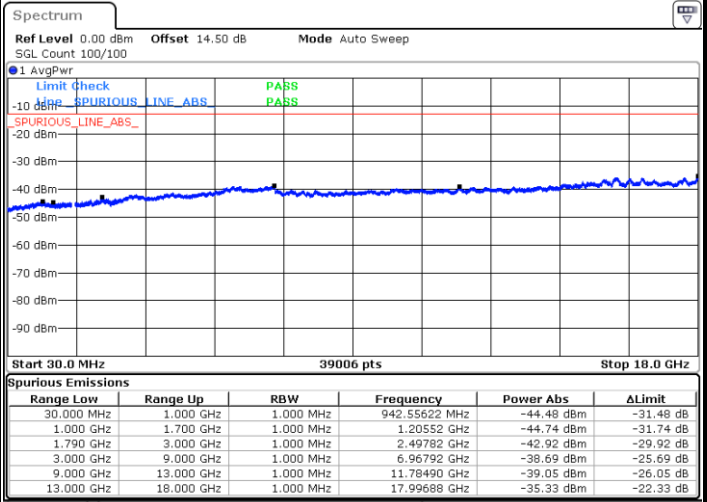
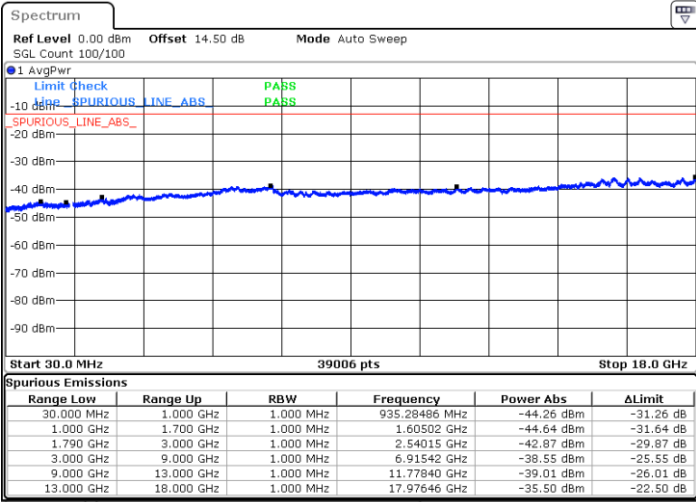
Date: 14.JAN.2023 20:37:02



LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM

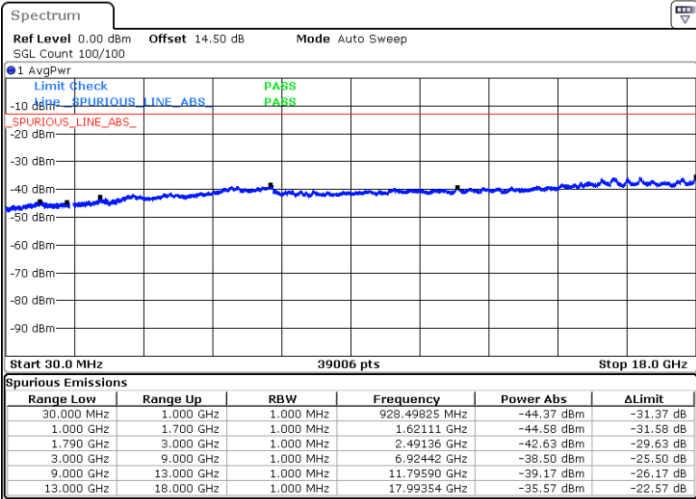
Middle Channel / 64QAM



Date: 14.JAN.2023 20:57:36

Date: 14.JAN.2023 20:59:08

Highest Channel / 64QAM

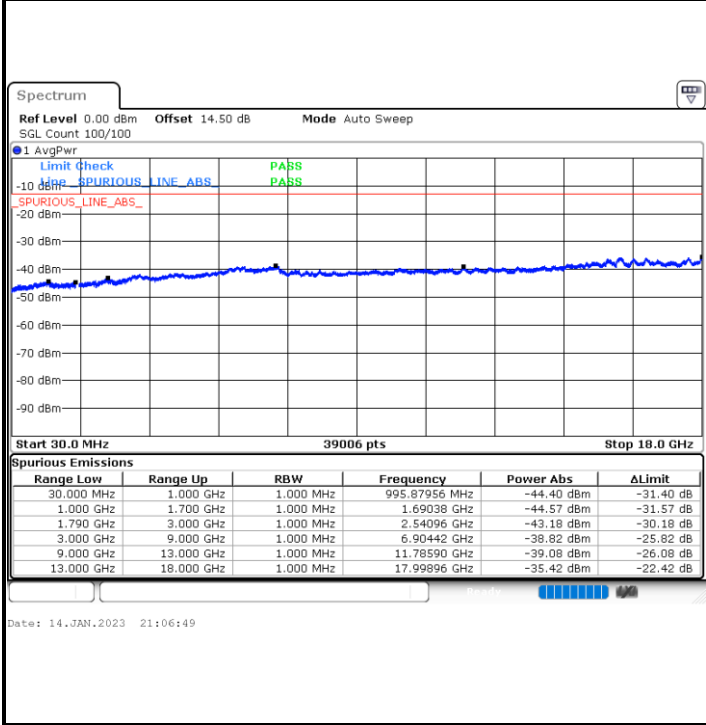


Date: 14.JAN.2023 21:03:10

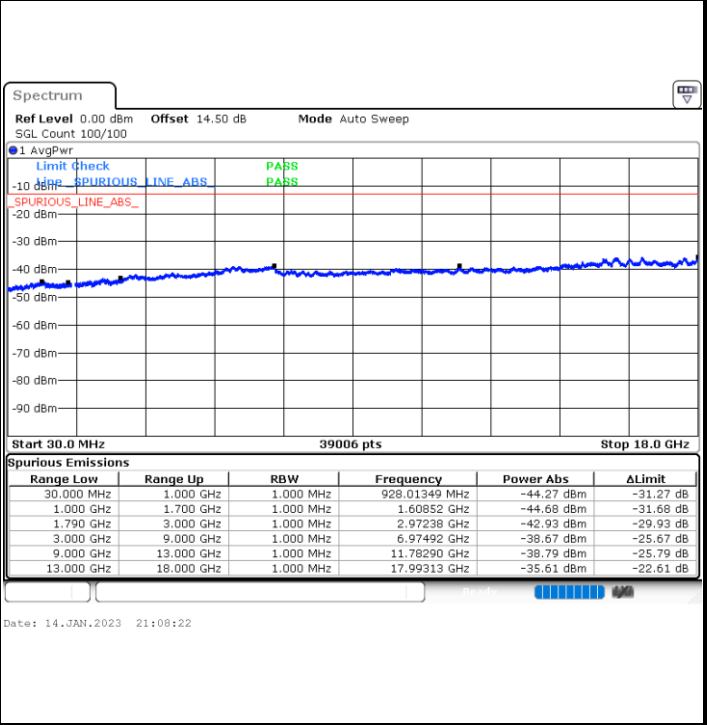


LTE Band 66 / 3MHz

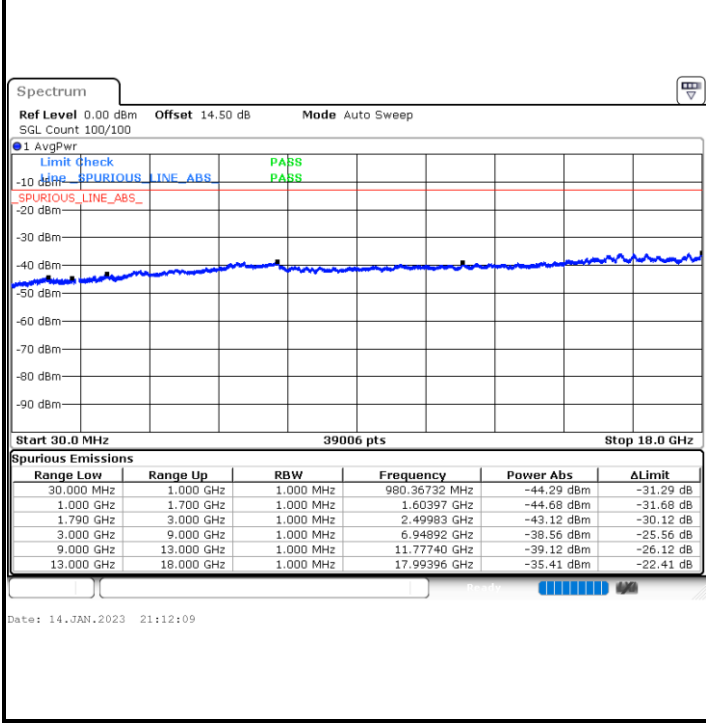
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM



Highest Channel / 64QAM

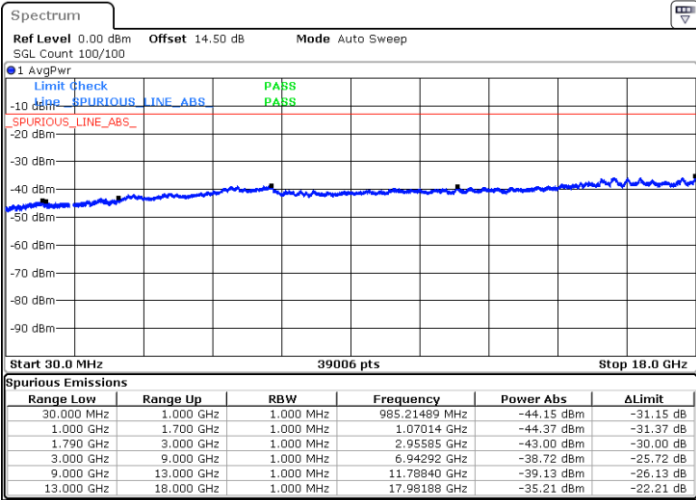




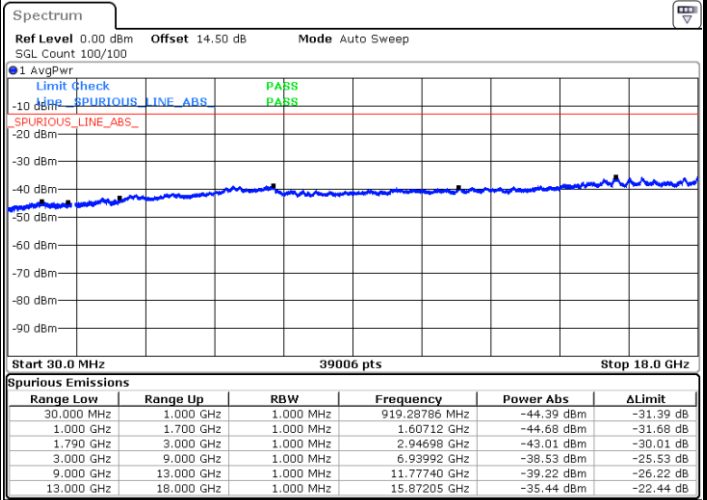
LTE Band 66 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

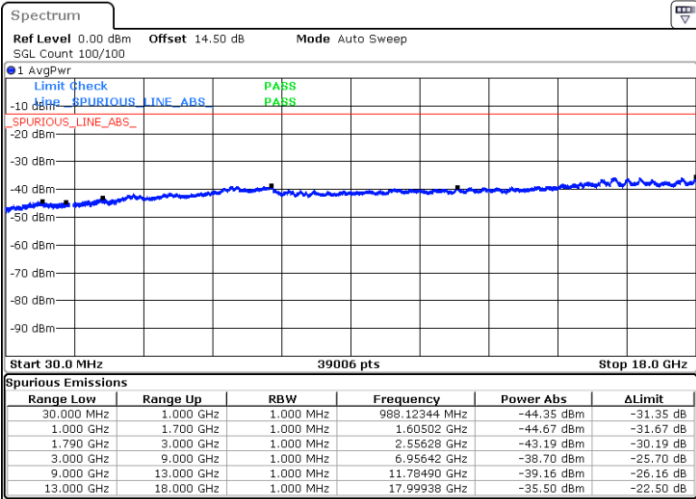


Date: 14.JAN.2023 21:15:57



Date: 14.JAN.2023 21:17:29

Highest Channel / 64QAM

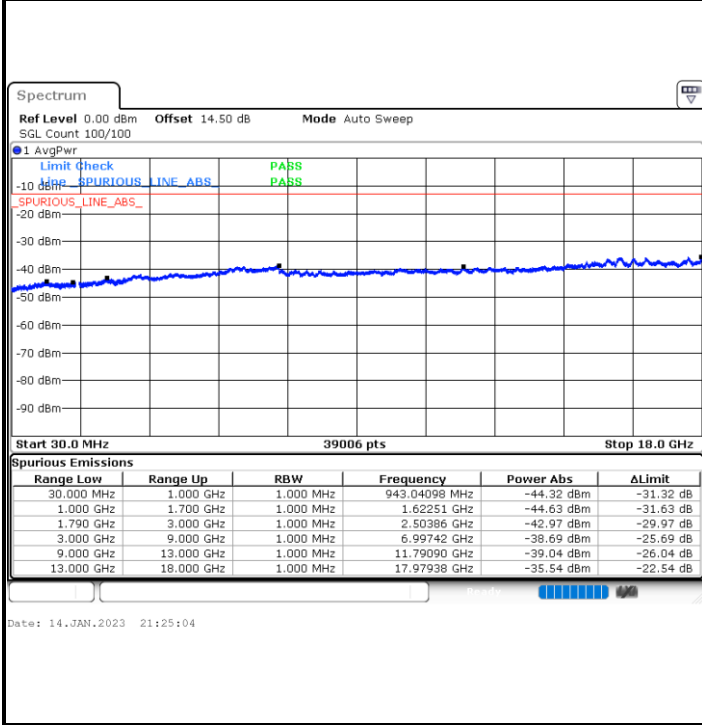


Date: 14.JAN.2023 21:21:16

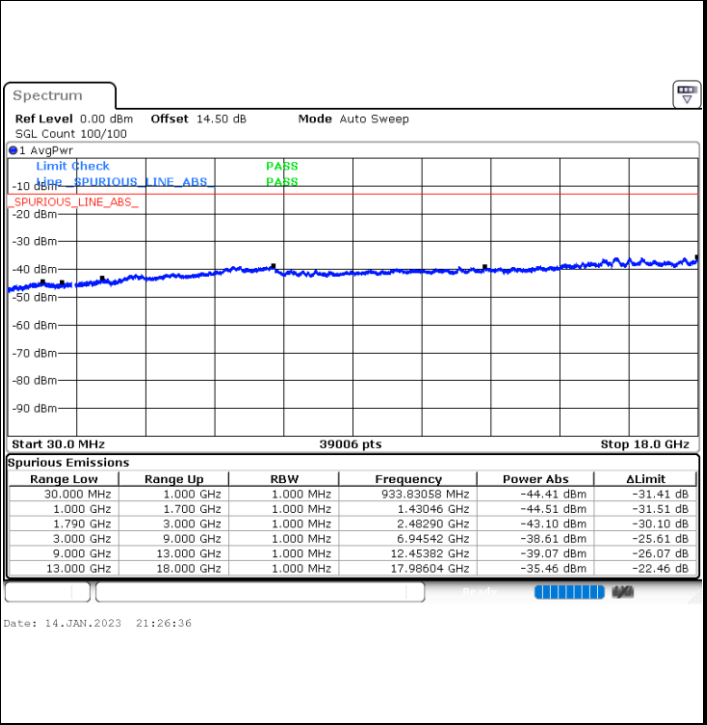


LTE Band 66 / 10MHz

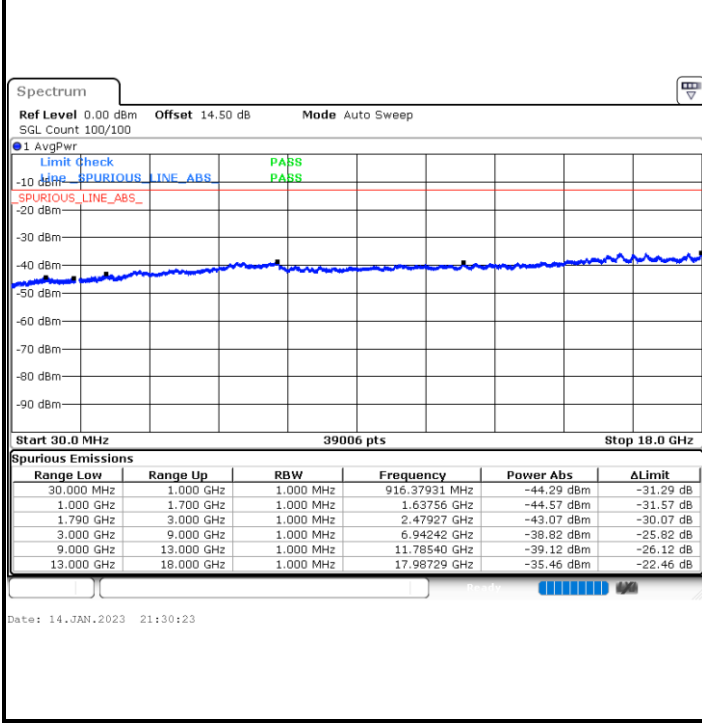
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM



Highest Channel / 64QAM

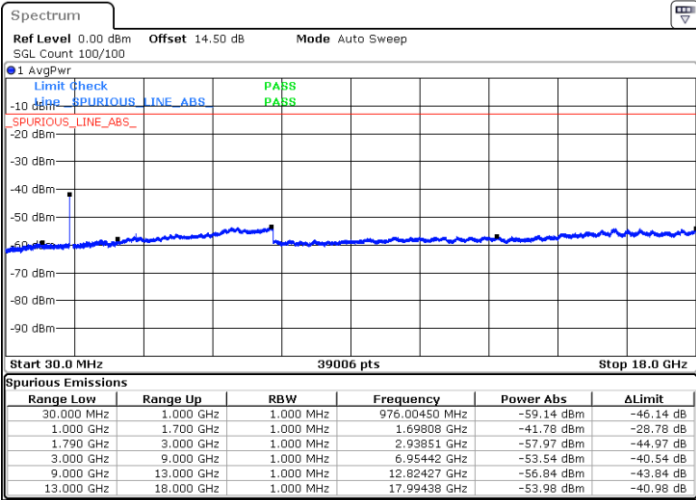




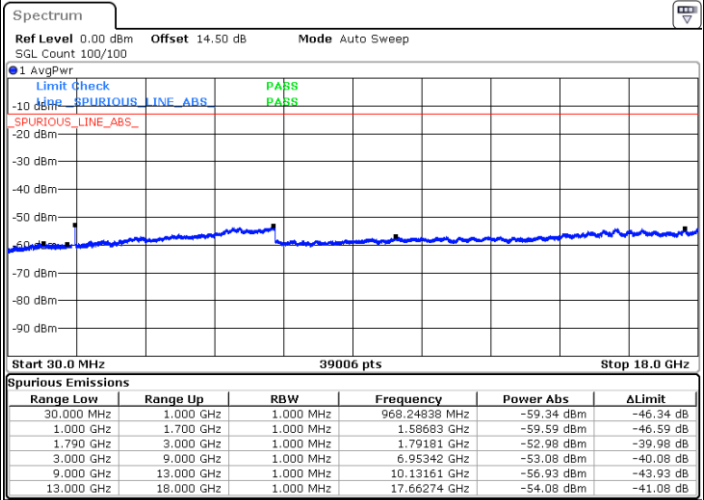
LTE Band 66 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

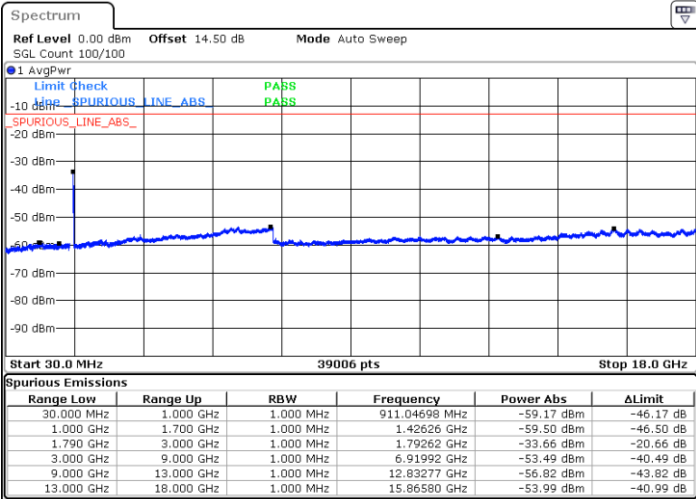


Date: 14.JAN.2023 21:34:11



Date: 14.JAN.2023 21:35:44

Highest Channel / 64QAM



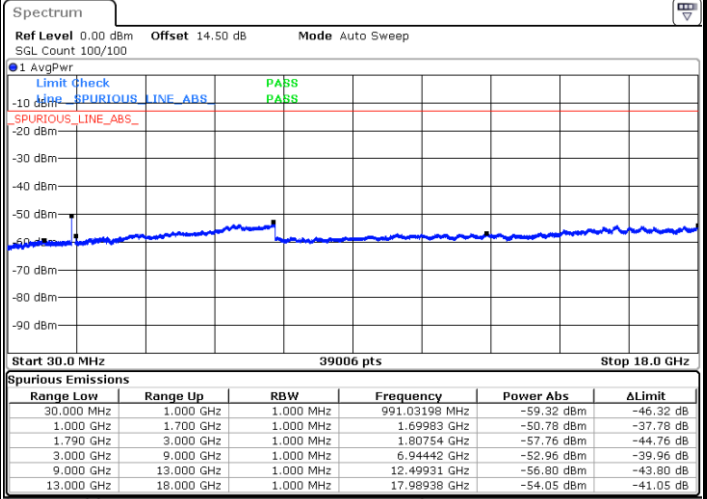
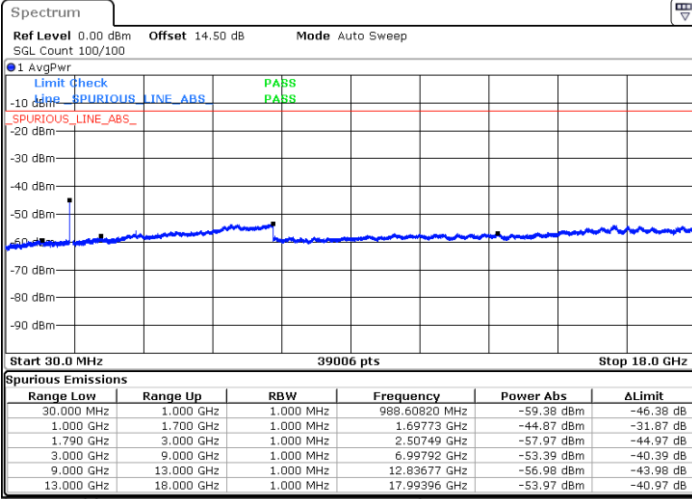
Date: 14.JAN.2023 21:39:31



LTE Band 66 / 20MHz

Lowest Channel / 64QAM

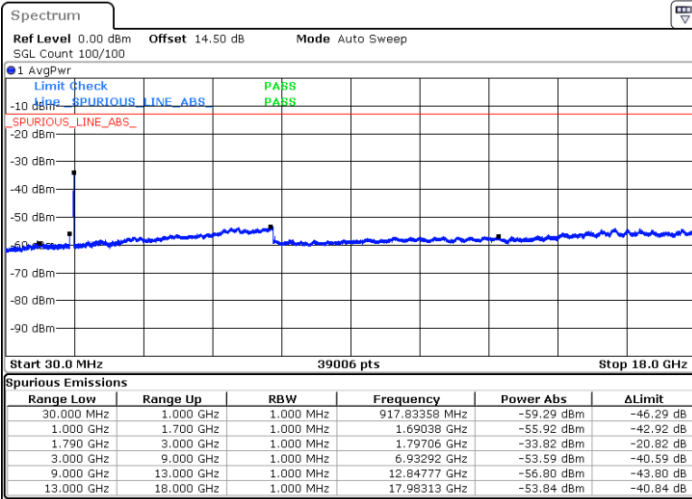
Middle Channel / 64QAM



Date: 14.JAN.2023 21:43:19

Date: 14.JAN.2023 21:44:52

Highest Channel / 64QAM



Date: 14.JAN.2023 21:48:39



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	0.0009	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.89 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 :	Kuang Jia	Temperature :	22~25°C
		Relative Humidity :	48~52%

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

LTE Band 2 / 20MHz / QPSK(Ant.31)									
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	-63.43	-13	-50.43	-79.14	-70.18	5.85	12.60	H
	5613.27	-62.18	-13	-49.18	-80.94	-67.98	7.30	13.10	H
	7484.36	-55.39	-13	-42.39	-80.28	-58.54	8.35	11.50	H
	3742.18	-63.64	-13	-50.64	-78.97	-70.39	5.85	12.60	V
	5613.27	-62.31	-13	-49.31	-80.55	-68.11	7.30	13.10	V
	7484.36	-55.18	-13	-42.18	-80.46	-58.33	8.35	11.50	V

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

LTE Band 12 / 10MHz / QPSK(Ant.13)									
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	-61.25	-13	-48.25	-69.75	-64.50	4.00	9.40	H
	2109	-63.13	-13	-50.13	-73.93	-66.70	4.88	10.60	H
	2812	-62.84	-13	-49.84	-76.01	-67.77	5.52	12.60	H
	3515	-60.32	-13	-47.32	-74.99	-64.79	6.00	12.62	H
	1406	-62.99	-13	-49.99	-71.38	-66.24	4.00	9.40	V
	2109	-64.52	-13	-51.52	-75.55	-68.09	4.88	10.60	V
	2812	-62.89	-13	-49.89	-75.99	-67.82	5.52	12.60	V
	3515	-57.24	-13	-44.24	-71.96	-61.71	6.00	12.62	V

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



LTE Band 13 / 5MHz / QPSK(Ant.13)									
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	-66.18	-42.15	-24.03	-75.74	-69.43	4.00	9.40	H
	2339.25	-62.63	-13	-49.63	-77.36	-66.20	4.88	10.60	H
	3119	-61.26	-13	-48.26	-77.77	-66.19	5.52	12.60	H
	1559.5	-65.60	-42.15	-23.45	-75.24	-68.85	4.00	9.40	V
	2339.25	-62.66	-13	-49.66	-77.39	-66.23	4.88	10.60	V
	3119	-61.35	-13	-48.35	-77.90	-66.28	5.52	12.60	V

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

LTE Band 13 / 10MHz / QPSK(Ant.13)									
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	-66.11	-42.15	-23.96	-75.67	-69.36	4.00	9.40	H
	2339.25	-62.62	-13	-49.62	-77.35	-66.19	4.88	10.60	H
	3119	-61.40	-13	-48.40	-77.91	-66.33	5.52	12.60	H
	1559.5	-65.76	-42.15	-23.61	-75.40	-69.01	4.00	9.40	V
	2339.25	-62.53	-13	-49.53	-77.26	-66.10	4.88	10.60	V
	3119	-61.07	-13	-48.07	-77.62	-66.00	5.52	12.60	V

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

LTE Band 26 / 15MHz / QPSK(Ant.13)									
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	-63.86	-13	-50.86	-71.38	-67.11	4.00	9.40	H
	2489.25	-64.24	-13	-51.24	-75.69	-67.81	4.88	10.60	H
	3319	-63.11	-13	-50.11	-77.30	-68.04	5.52	12.60	H
	1659.5	-65.42	-13	-52.42	-73.05	-68.67	4.00	9.40	V
	2489.25	-64.28	-13	-51.28	-75.80	-67.85	4.88	10.60	V
	3319	-63.20	-13	-50.20	-77.35	-68.13	5.52	12.60	V

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



LTE Band 66 / 20MHz / QPSK(Ant.13)									
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	-61.94	-13	-48.94	-76.38	-68.79	5.65	12.50	H
	5208	-61.23	-13	-48.23	-80.36	-66.90	7.13	12.80	H
	6944	-57.57	-13	-44.57	-80.56	-60.97	8.40	11.80	H
	3472	-63.24	-13	-50.24	-77.71	-70.09	5.65	12.50	V
	5208	-62.09	-13	-49.09	-80.83	-67.76	7.13	12.80	V
	6944	-57.16	-13	-44.16	-80.42	-60.56	8.40	11.80	V

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