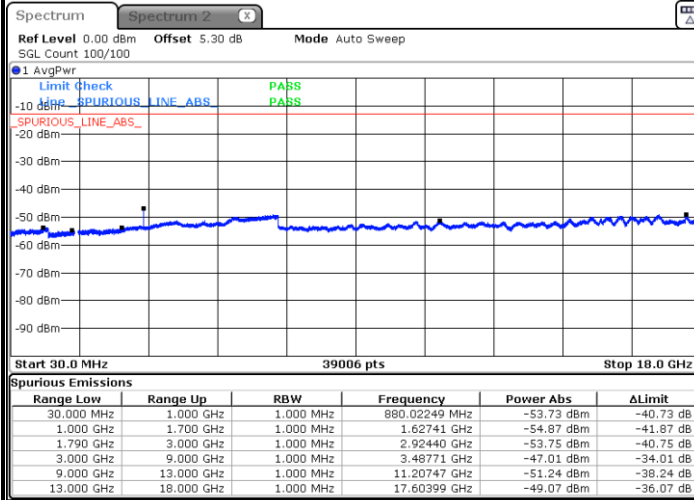




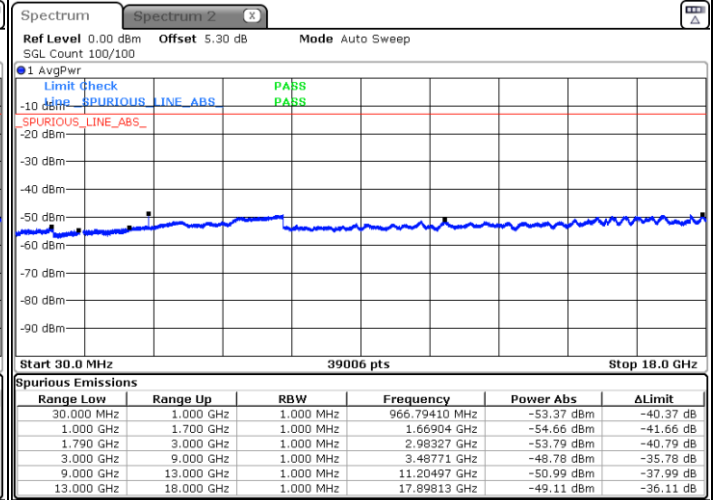
LTE Band 66 / 3MHz

Middle Channel / QPSK



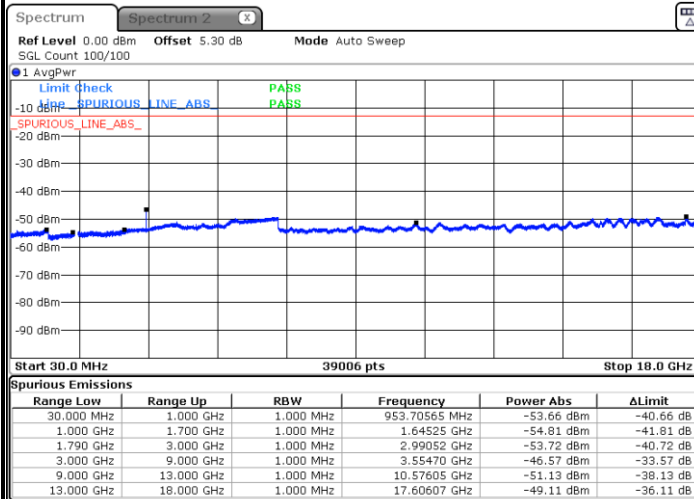
Date: 15 MAY 2020 22:47:48

Middle Channel / 16QAM



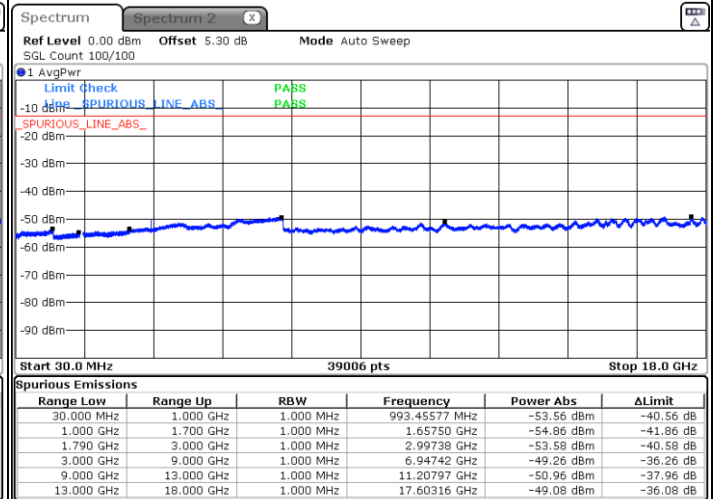
Date: 15 MAY 2020 22:48:35

Highest Channel / QPSK



Date: 15 MAY 2020 22:56:01

Highest Channel / 16QAM

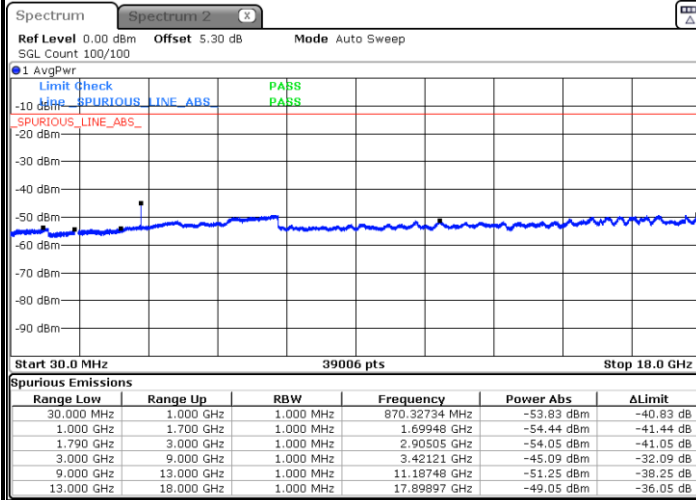


Date: 15 MAY 2020 22:55:22



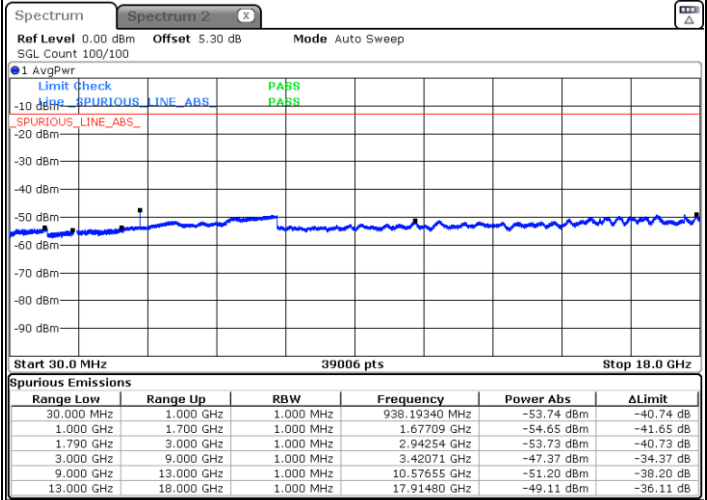
LTE Band 66 / 5MHz

Lowest Channel / QPSK



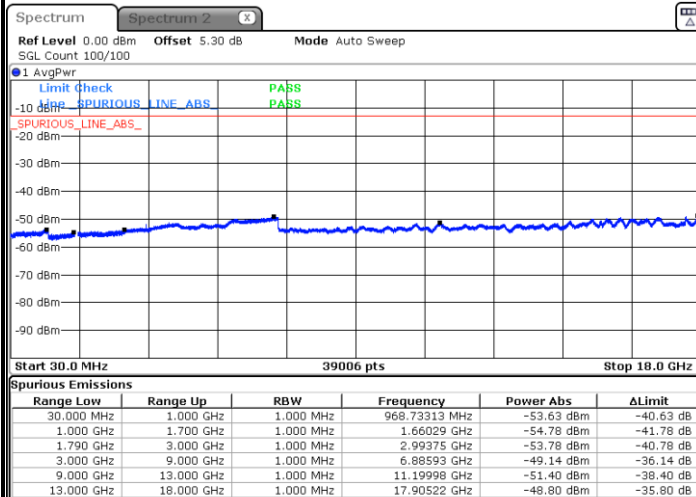
Date: 15 MAY 2020 23:02:29

Lowest Channel / 16QAM



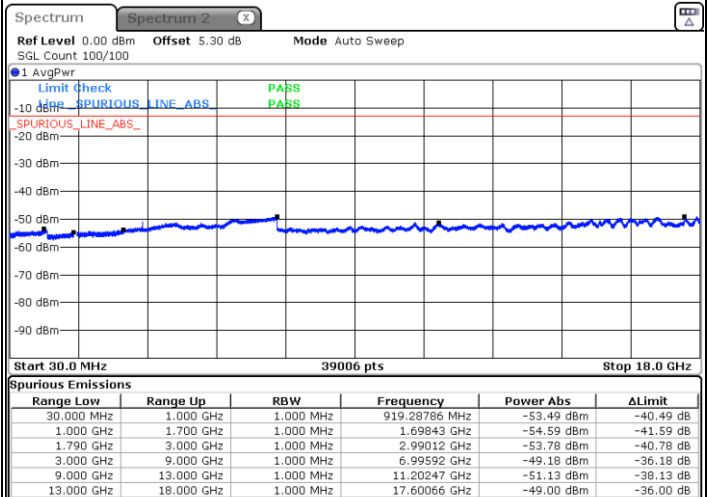
Date: 15 MAY 2020 23:04:02

Middle Channel / QPSK



Date: 15 MAY 2020 23:17:40

Middle Channel / 16QAM

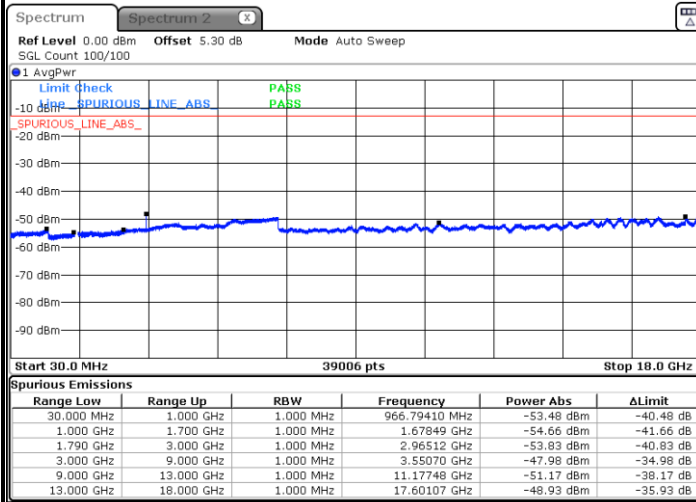


Date: 15 MAY 2020 23:06:54



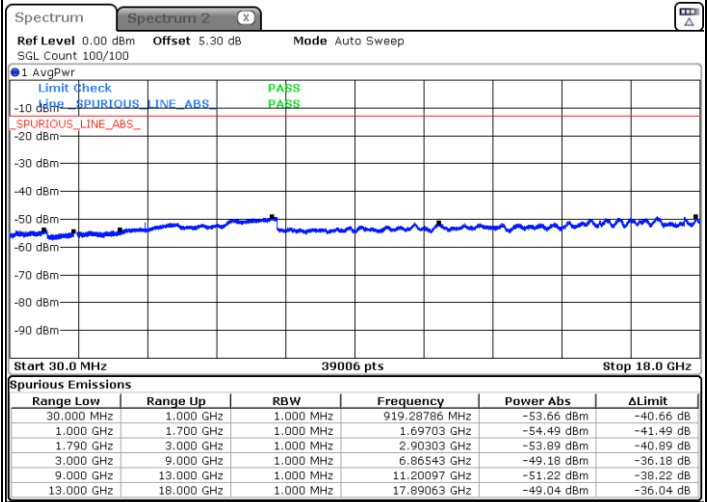
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 15 MAY 2020 23:14:53

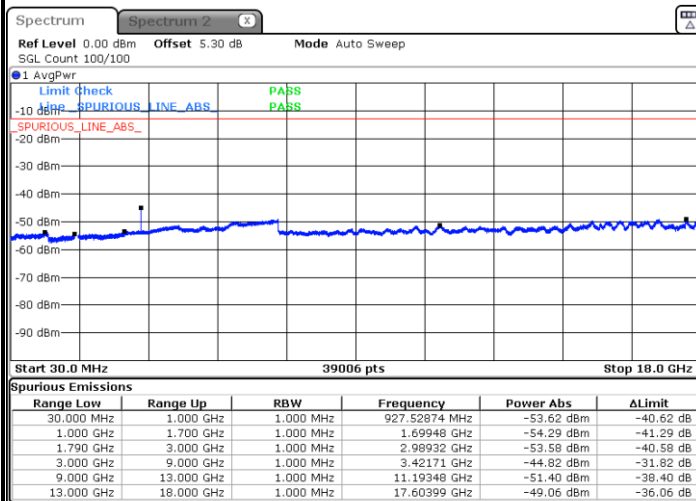
Highest Channel / 16QAM



Date: 15 MAY 2020 23:15:32

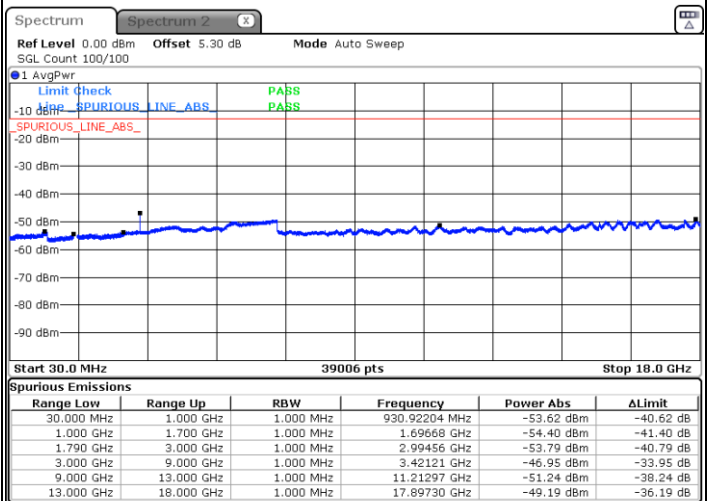
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 15 MAY 2020 23:27:47

Lowest Channel / 16QAM

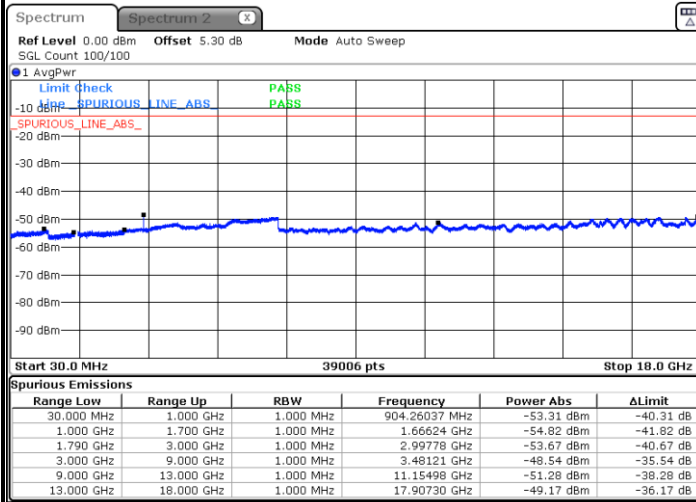


Date: 15 MAY 2020 23:26:44



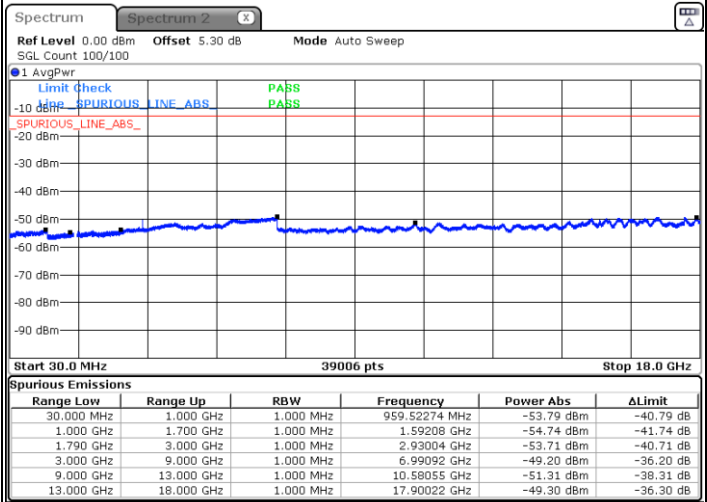
LTE Band 66 / 10MHz

Middle Channel / QPSK



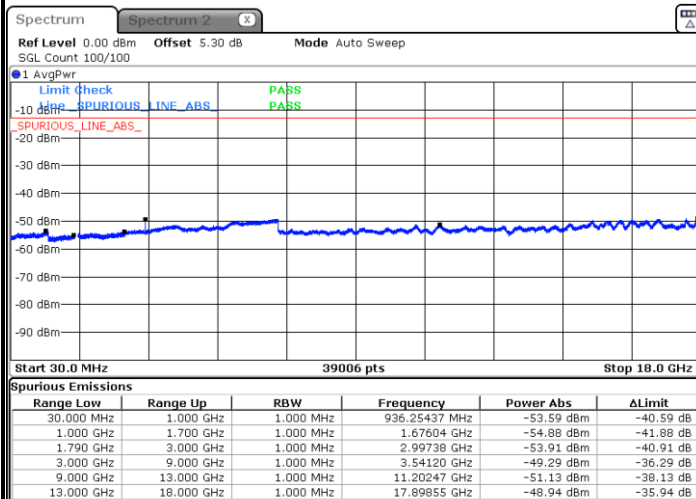
Date: 15 MAY 2020 23:28:36

Middle Channel / 16QAM



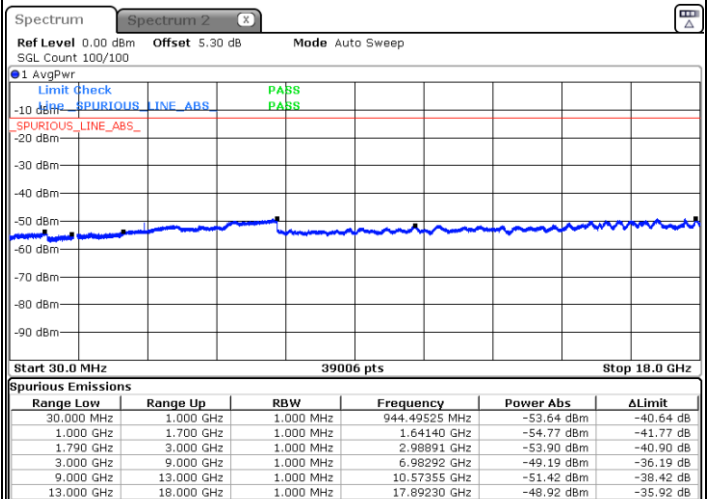
Date: 15 MAY 2020 23:29:15

Highest Channel / QPSK



Date: 15 MAY 2020 23:34:37

Highest Channel / 16QAM

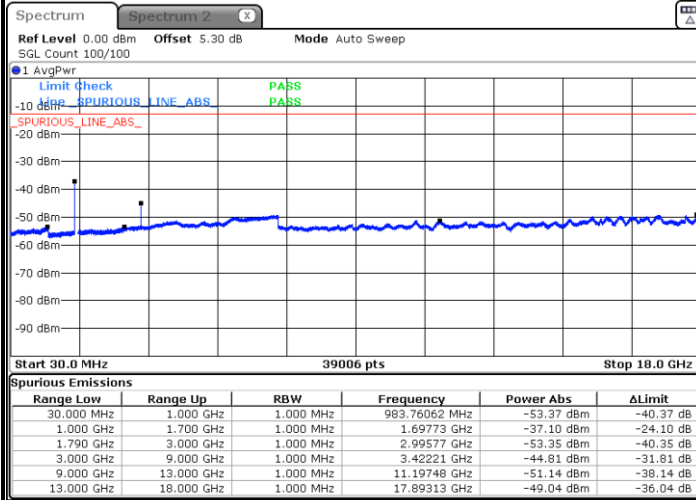


Date: 15 MAY 2020 23:33:58



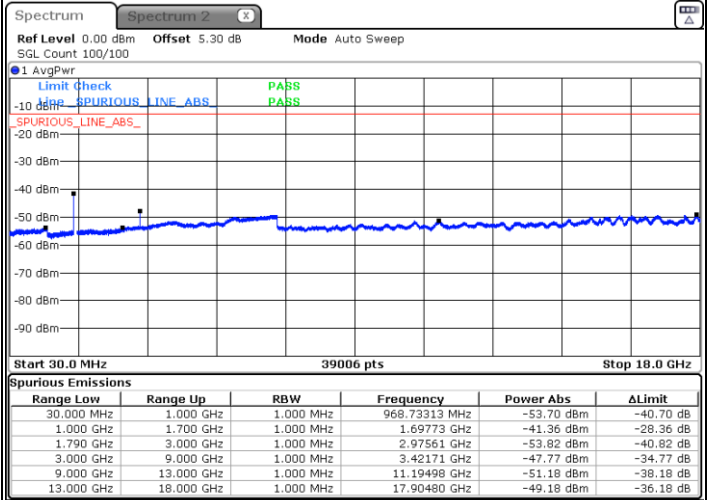
LTE Band 66 / 15MHz

Lowest Channel / QPSK



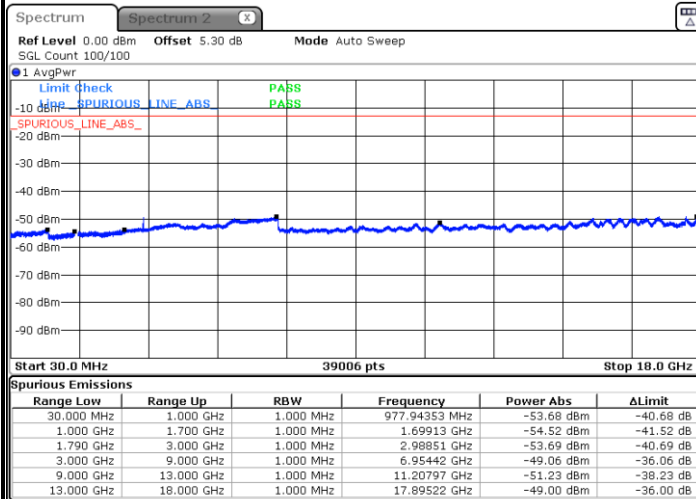
Date: 15 MAY 2020 23:46:52

Lowest Channel / 16QAM



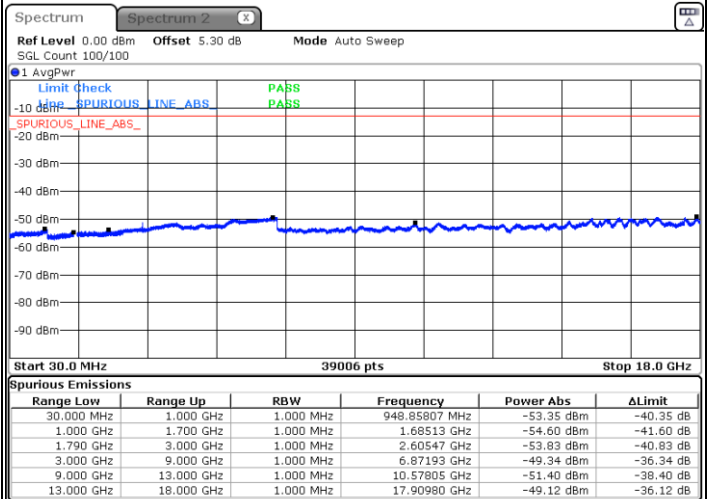
Date: 15 MAY 2020 23:45:34

Middle Channel / QPSK



Date: 15 MAY 2020 23:47:47

Middle Channel / 16QAM

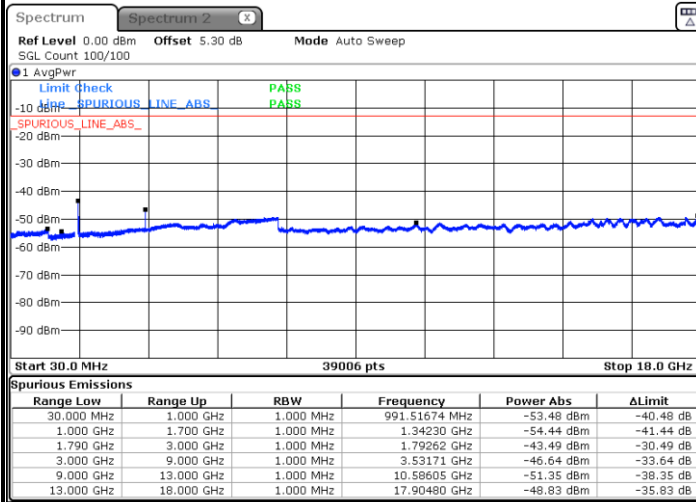


Date: 15 MAY 2020 23:48:29



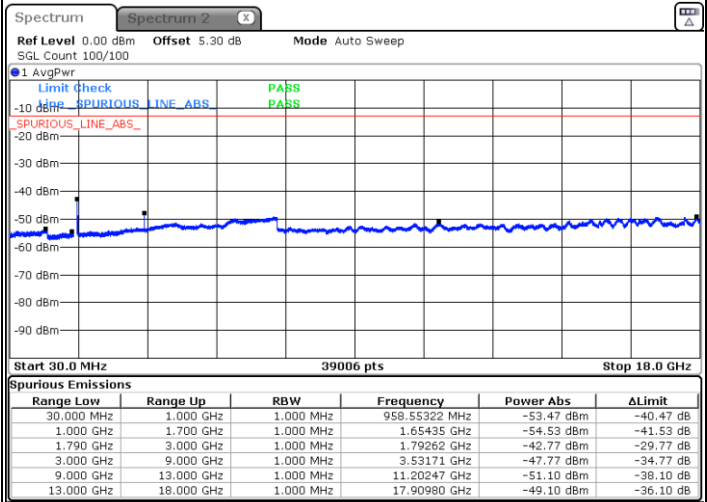
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 15 MAY 2020 23:54:31

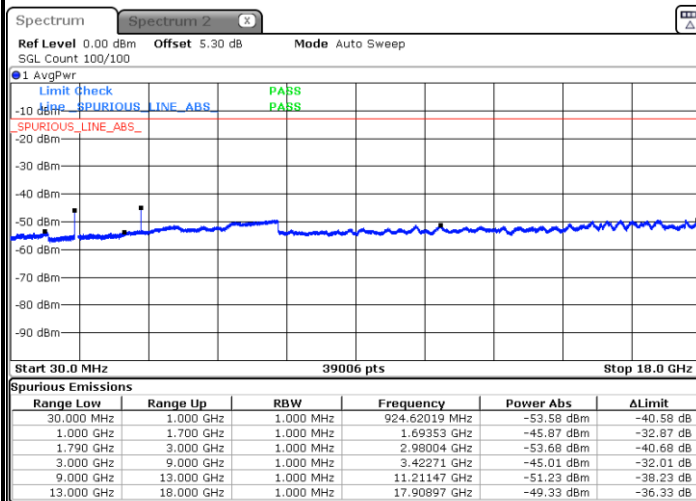
Highest Channel / 16QAM



Date: 15 MAY 2020 23:53:50

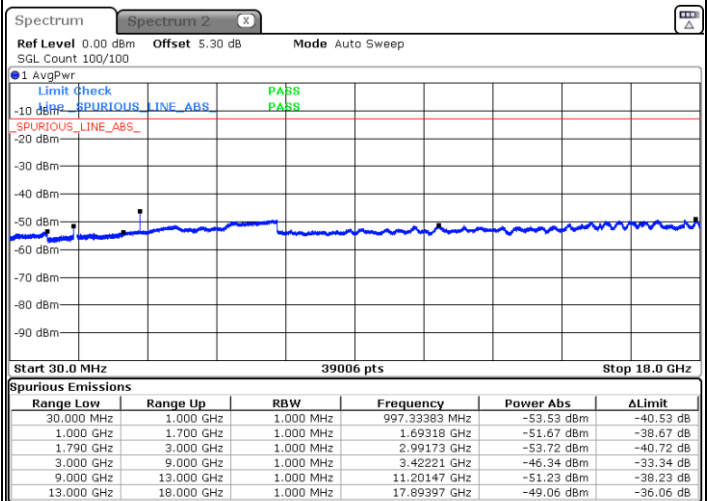
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 16 MAY 2020 00:03:34

Lowest Channel / 16QAM

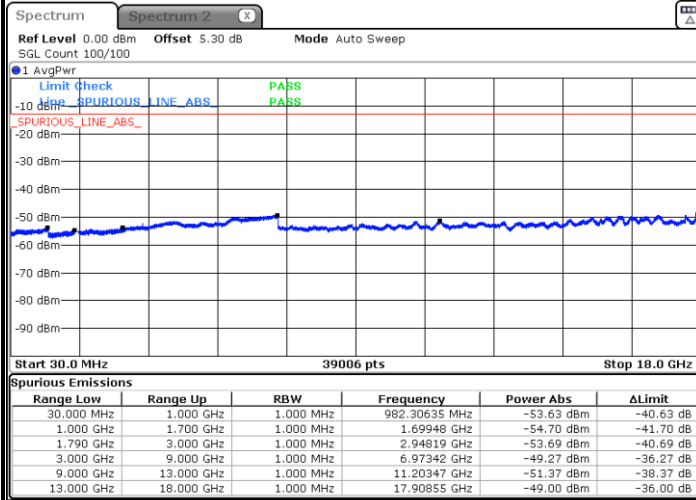


Date: 16 MAY 2020 00:02:32



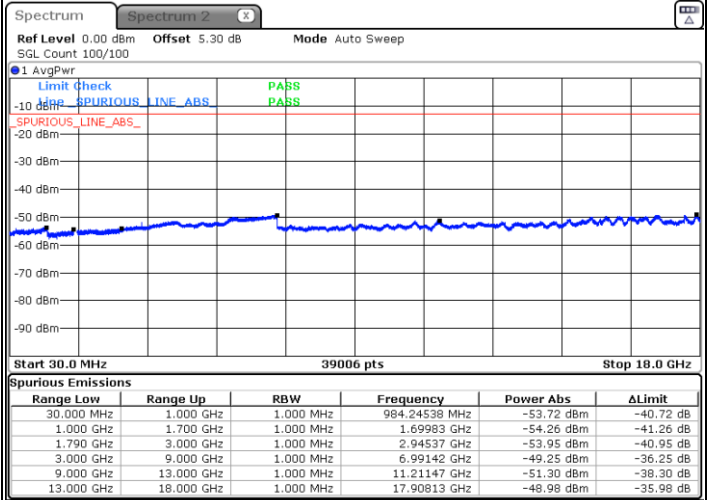
LTE Band 66 / 20MHz

Middle Channel / QPSK



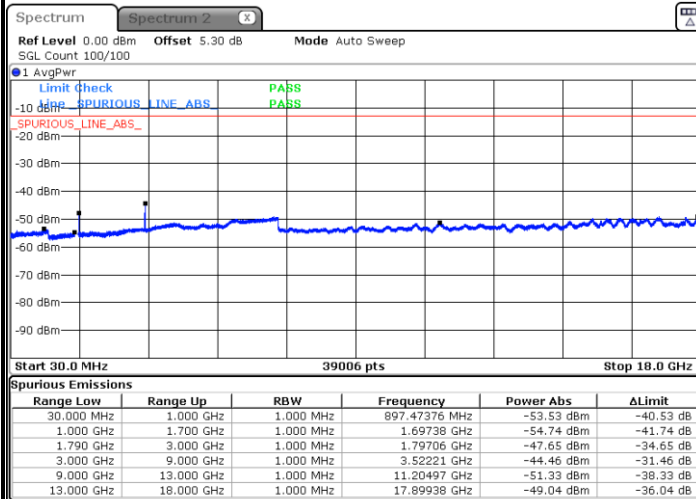
Date: 16 MAY 2020 00:04:45

Middle Channel / 16QAM



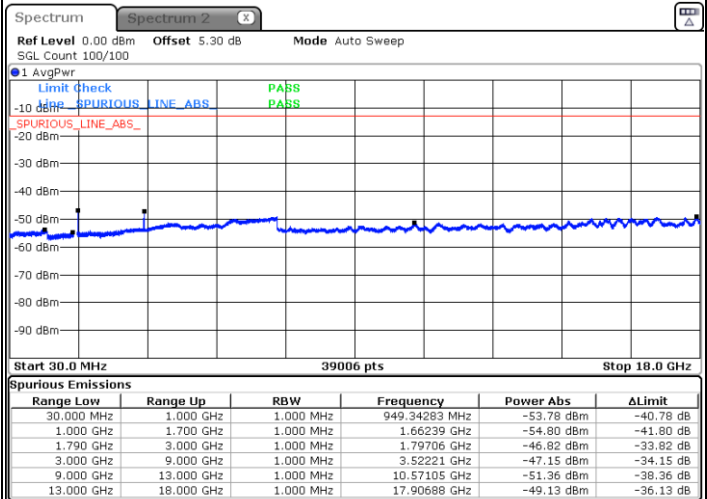
Date: 16 MAY 2020 00:05:34

Highest Channel / QPSK



Date: 16 MAY 2020 00:13:38

Highest Channel / 16QAM

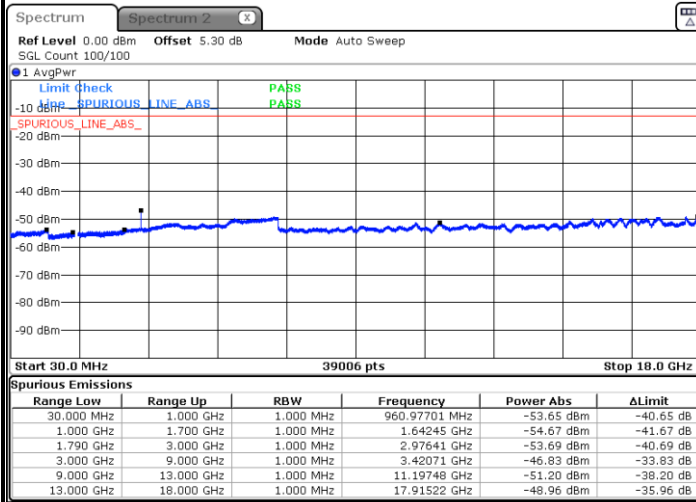


Date: 16 MAY 2020 00:11:32



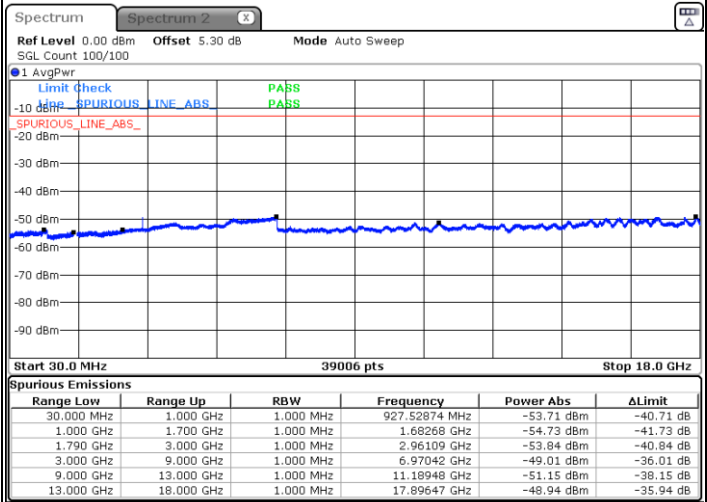
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



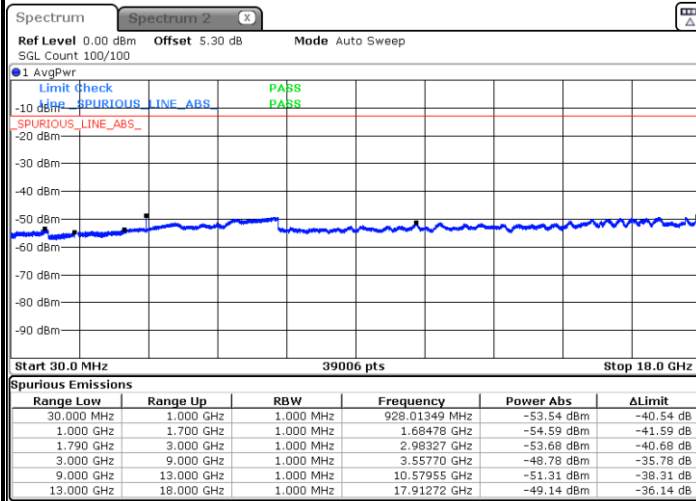
Date: 15 MAY 2020 22:13:37

Middle Channel / 64QAM



Date: 15 MAY 2020 22:20:26

Highest Channel / 64QAM

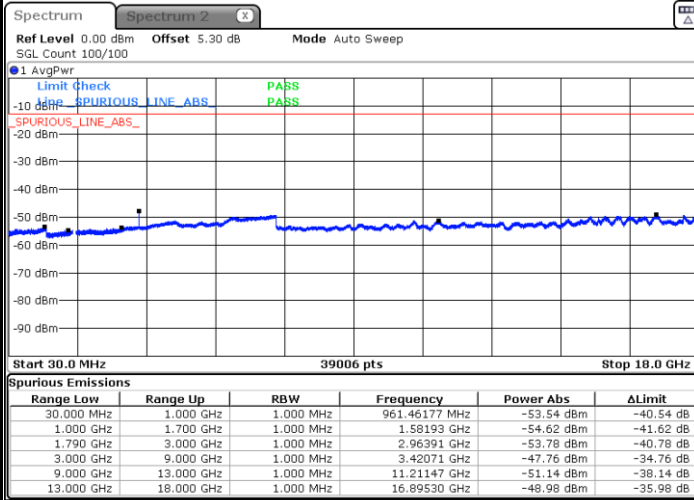


Date: 15 MAY 2020 22:26:38



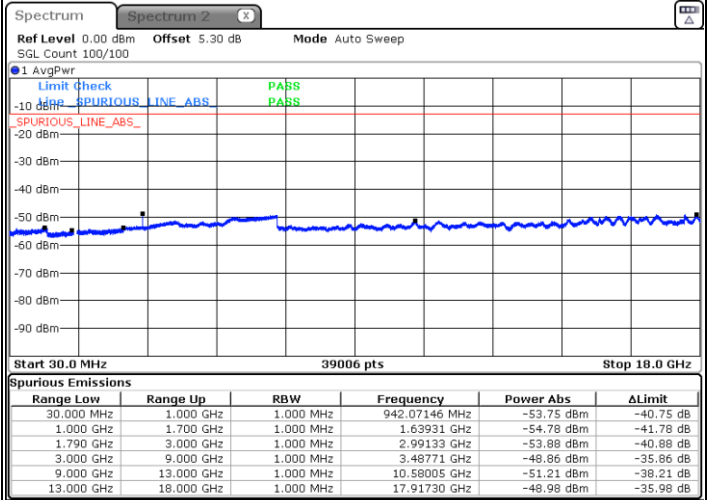
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



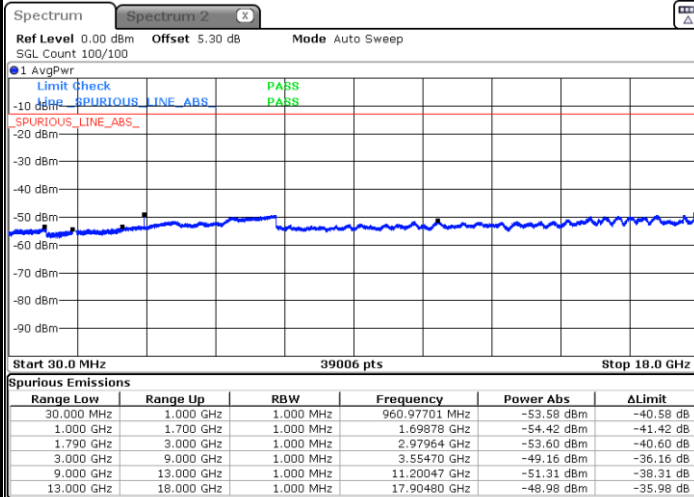
Date: 15 MAY 2020 22:42:29

Middle Channel / 64QAM



Date: 15 MAY 2020 22:49:16

Highest Channel / 64QAM

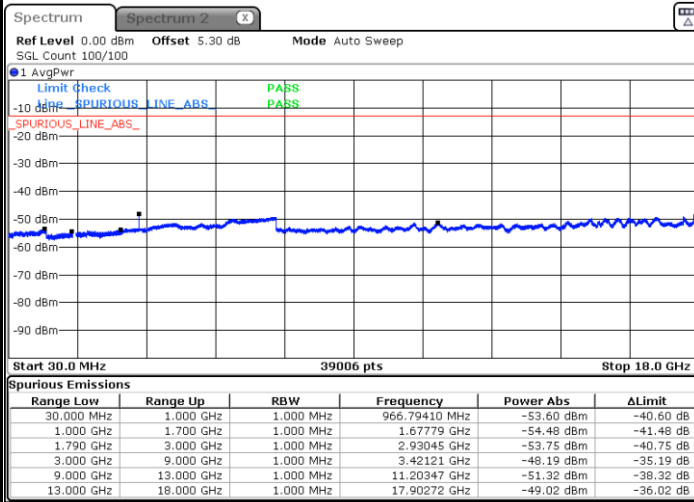


Date: 15 MAY 2020 22:54:31



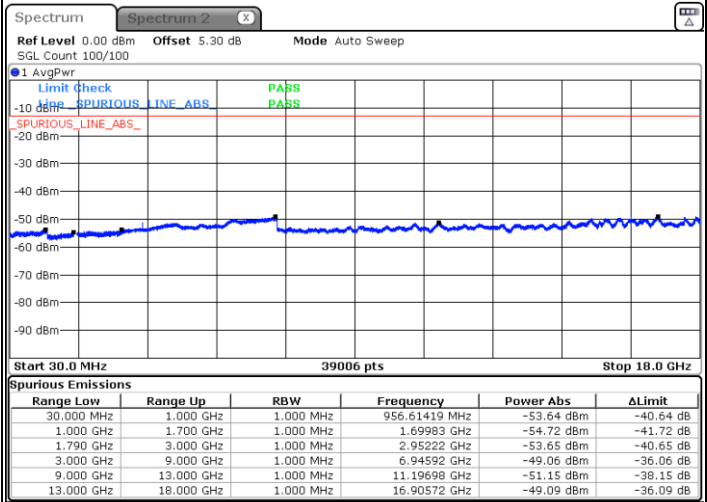
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



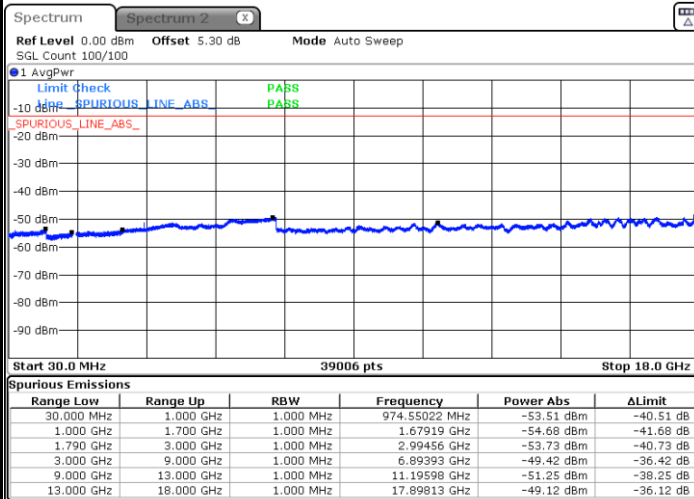
Date: 15 MAY 2020 23:04:59

Middle Channel / 64QAM



Date: 15 MAY 2020 23:07:45

Highest Channel / 64QAM

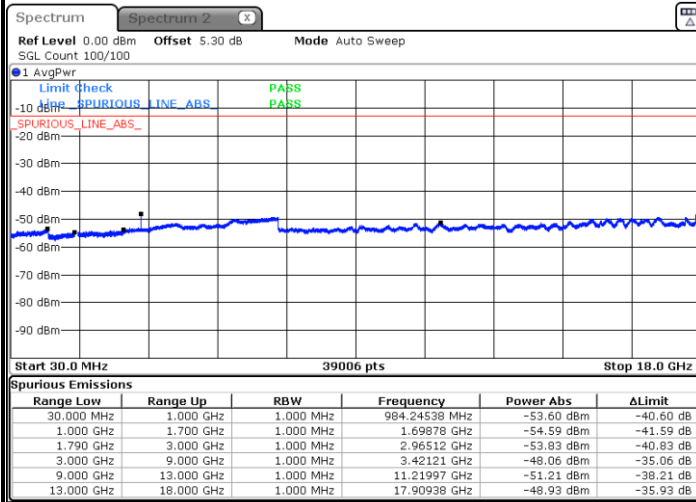


Date: 15 MAY 2020 23:16:17



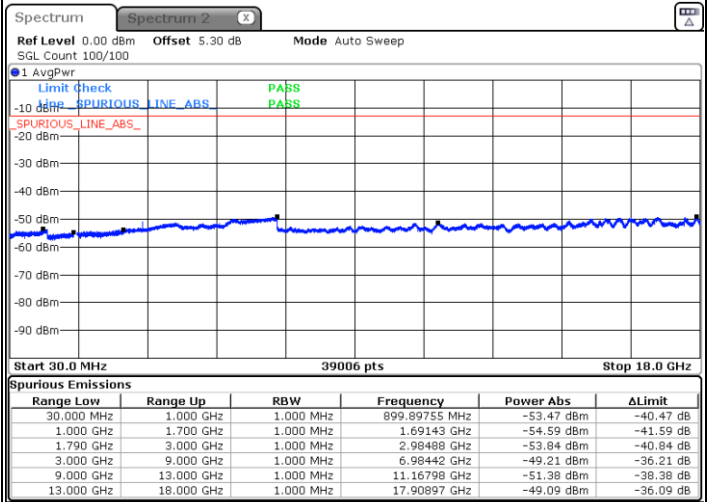
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



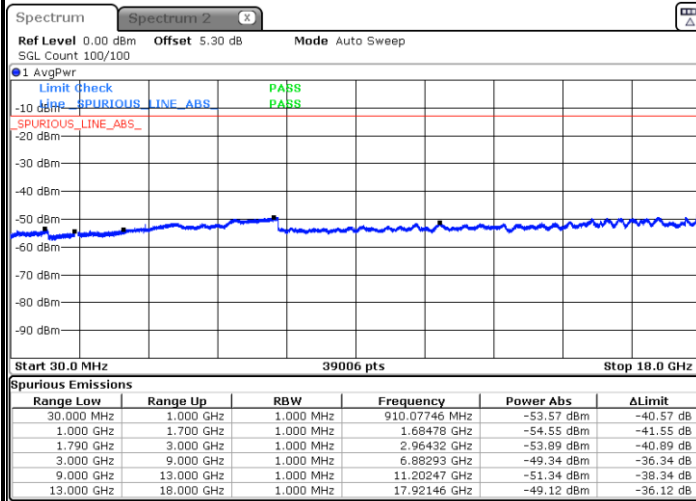
Date: 15 MAY 2020 23:25:19

Middle Channel / 64QAM



Date: 15 MAY 2020 23:29:55

Highest Channel / 64QAM

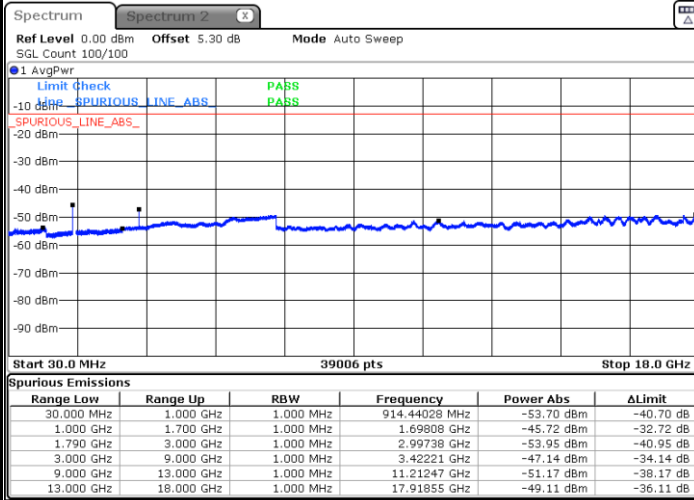


Date: 15 MAY 2020 23:33:18



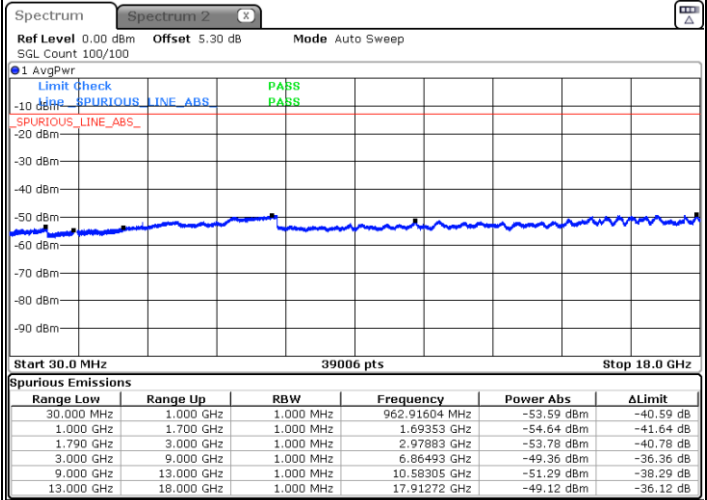
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



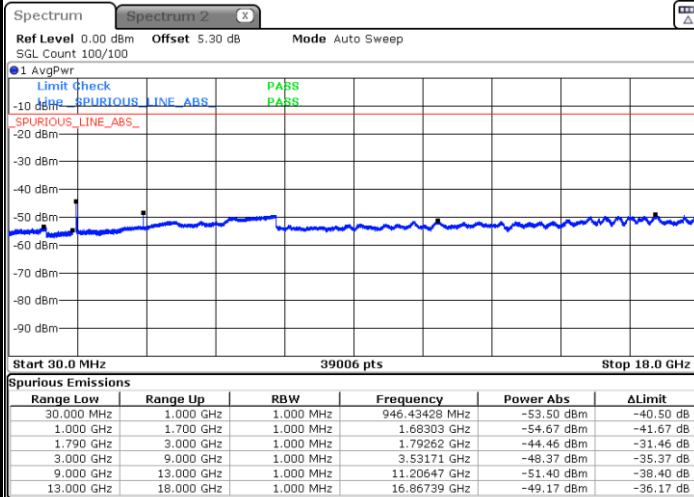
Date: 15 MAY 2020 23:44:26

Middle Channel / 64QAM



Date: 15 MAY 2020 23:49:12

Highest Channel / 64QAM

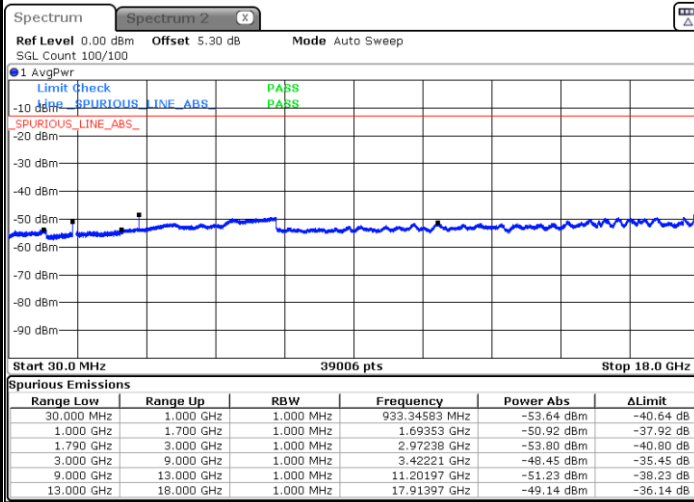


Date: 15 MAY 2020 23:53:11



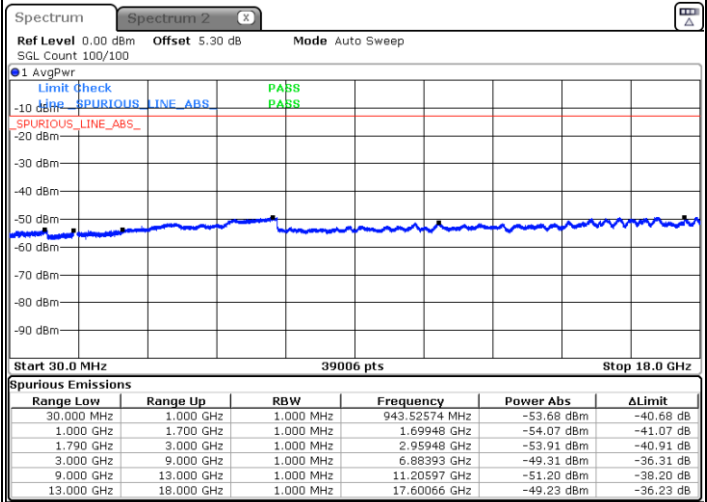
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



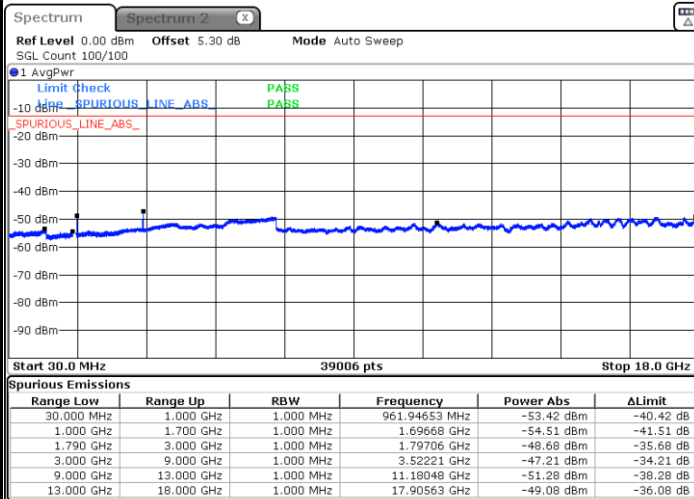
Date: 16 MAY 2020 00:00:58

Middle Channel / 64QAM



Date: 16 MAY 2020 00:06:12

Highest Channel / 64QAM



Date: 16 MAY 2020 00:10:45

**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	0.0012	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.85 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

LTE Band 2 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3741	-54.87	-13	-41.87	-61.13	1.843	8.10	H
	5613	-50.55	-13	-37.55	-58.86	2.19	10.50	H
	7488	-46.10	-13	-33.10	-55.02	2.58	11.50	H
	3741	-54.58	-13	-41.58	-60.84	1.84	8.10	V
	5613	-50.60	-13	-37.60	-58.91	2.19	10.50	V
	7488	-45.23	-13	-32.23	-54.15	2.58	11.50	V

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

LTE Band 5 / 10MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-54.11	-13	-41.11	-57.35	1.11	6.50	H
	2496	-62.17	-13	-49.17	-64.79	1.43	6.20	H
	3330	-60.82	-13	-47.82	-65.26	1.71	8.30	H
	1664	-58.88	-13	-45.88	-62.12	1.11	6.50	V
	2496	-61.75	-13	-48.75	-64.37	1.43	6.20	V
	3330	-60.40	-13	-47.40	-64.84	1.71	8.30	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052	-56.90	-25	-31.90	-65.39	1.83	10.32	H
	7580	-58.82	-25	-33.82	-67.83	2.60	11.61	H
	10100	-57.50	-25	-32.50	-68.26	2.67	13.43	H
	5052	-60.88	-25	-35.88	-69.37	1.83	10.32	V
	7580	-59.77	-25	-34.77	-68.78	2.60	11.61	V
	10100	-58.45	-25	-33.45	-69.21	2.67	13.43	V

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



LTE Band 12 / 10MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-66.70	-13	-53.70	-69.94	1.11	6.50	H
	2110	-63.94	-13	-50.94	-66.56	1.43	6.20	H
	2812	-61.51	-13	-48.51	-65.95	1.71	8.30	H
	1406	-66.37	-13	-53.37	-69.61	1.11	6.50	V
	2110	-64.12	-13	-51.12	-66.74	1.43	6.20	V
	2812	-61.41	-13	-48.41	-65.85	1.71	8.30	V

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

LTE Band 13 / 5MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-66.18	-42.15	-24.03	-68.81	1.09	5.87	H
	2340	-63.51	-13	-50.51	-65.91	1.37	5.92	H
	3120	-60.42	-13	-47.42	-64.31	1.64	7.68	H
	1560	-65.87	-42.15	-23.72	-68.50	1.09	5.87	V
	2340	-63.44	-13	-50.44	-65.84	1.37	5.92	V
	3120	-60.53	-13	-47.53	-64.42	1.64	7.68	V

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

LTE Band 13 / 10MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1556	-65.64	-13	-52.64	-68.27	1.09	5.87	H
	2332	-63.83	-13	-50.83	-66.23	1.37	5.92	H
	3110	-60.86	-13	-47.86	-64.75	1.64	7.68	H
	1556	-65.07	-13	-52.07	-67.70	1.09	5.87	V
	2332	-62.68	-13	-49.68	-65.08	1.37	5.92	V
	3110	-60.46	-13	-47.46	-64.35	1.64	7.68	V

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



LTE Band 38 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5172	-64.84	-25	-39.84	-73.27	1.93	10.36	H
	7760	-59.38	-25	-34.38	-68.61	2.64	11.87	H
	10340	-58.04	-25	-33.04	-68.87	2.64	13.47	H
	5172	-65.34	-25	-40.34	-73.77	1.93	10.36	V
	7760	-60.16	-25	-35.16	-69.39	2.64	11.87	V
	10340	-57.98	-25	-32.98	-68.81	2.64	13.47	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-58.16	-13	-45.16	-64.85	1.75	8.44	H
	5208	-51.89	-13	-38.89	-60.31	1.94	10.36	H
	6948	-47.78	-13	-34.78	-57.02	2.47	11.71	H
	3471	-58.21	-13	-45.21	-64.90	1.75	8.44	V
	5208	-51.39	-13	-38.39	-59.81	1.94	10.36	V
	6948	-47.40	-13	-34.40	-56.64	2.47	11.71	V

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