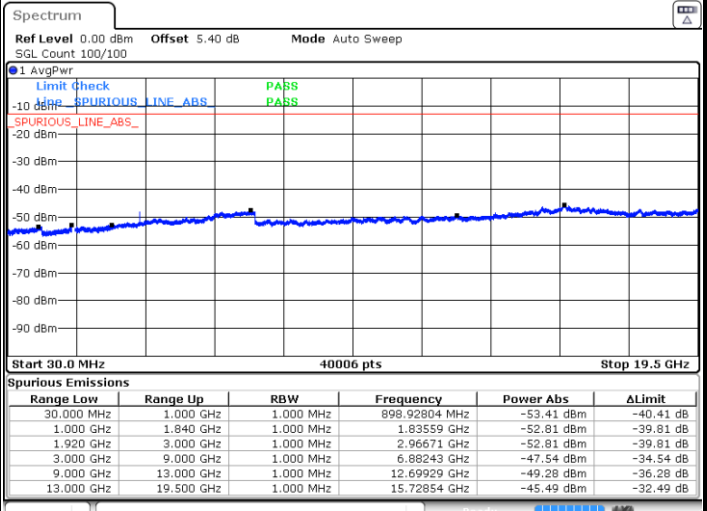
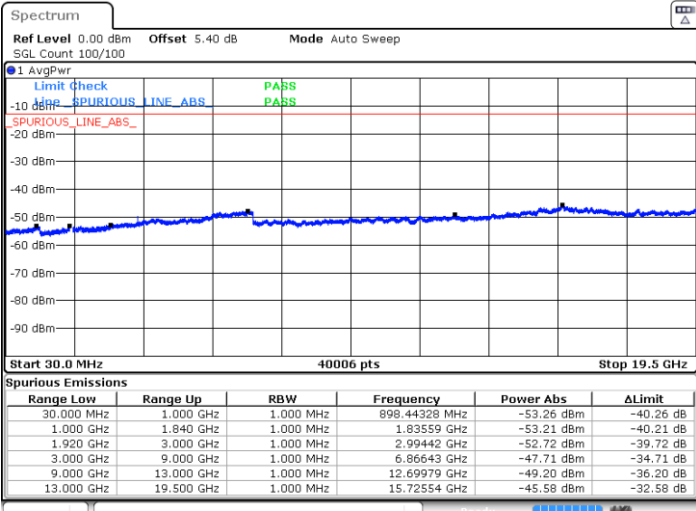




LTE Band 2 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

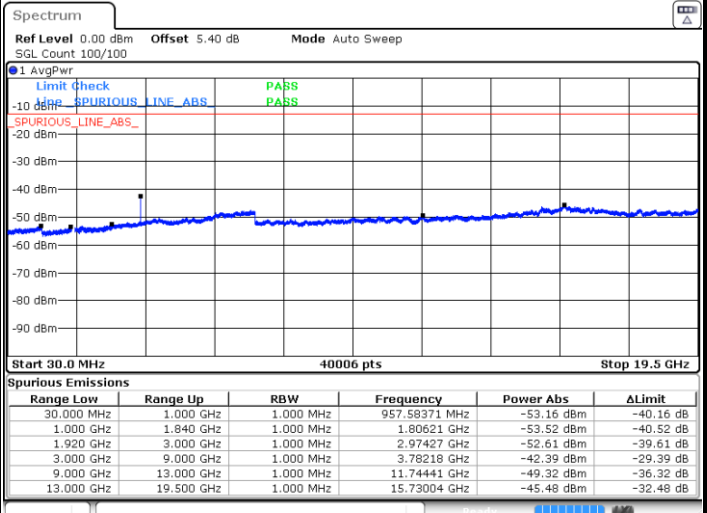
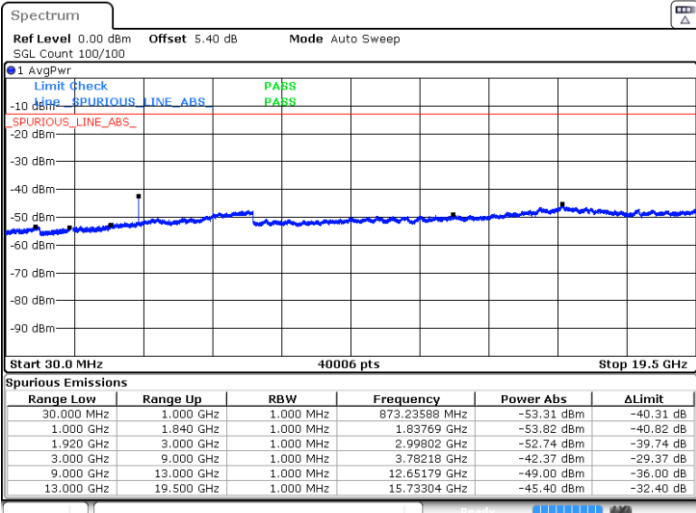


Date: 20 JUN 2019 13:19:55

Date: 20 JUN 2019 13:20:50

Highest Channel / QPSK

Highest Channel / 16QAM



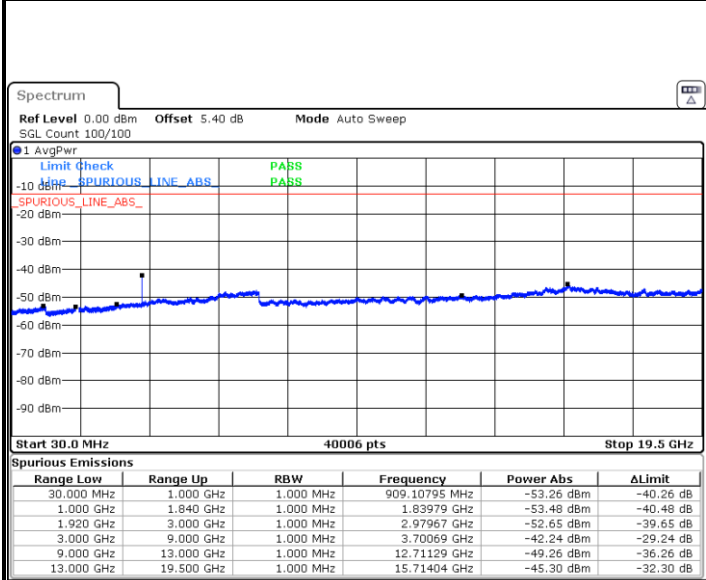
Date: 20 JUN 2019 13:26:15

Date: 20 JUN 2019 13:27:10



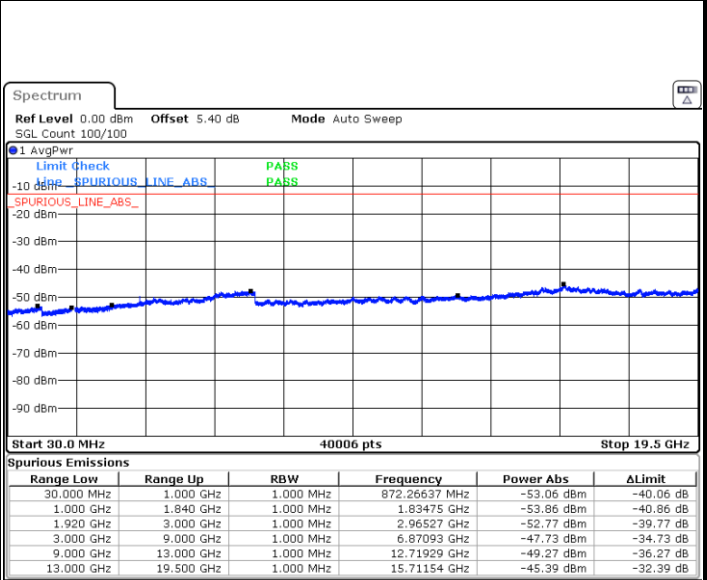
**LTE Band 2 / 1.4MHz**

**Lowest Channel / 64QAM**



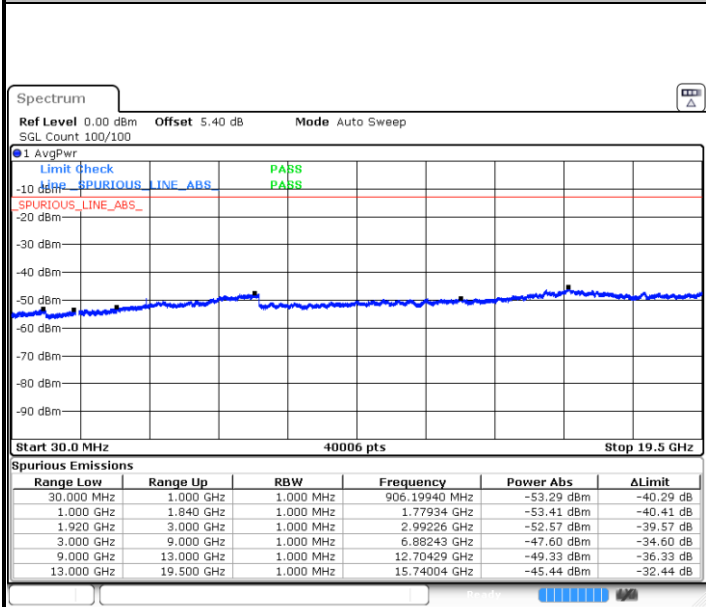
Date: 20 JUN 2019 13:55:06

**Middle Channel / 64QAM**



Date: 20 JUN 2019 13:56:01

**Highest Channel / 64QAM**



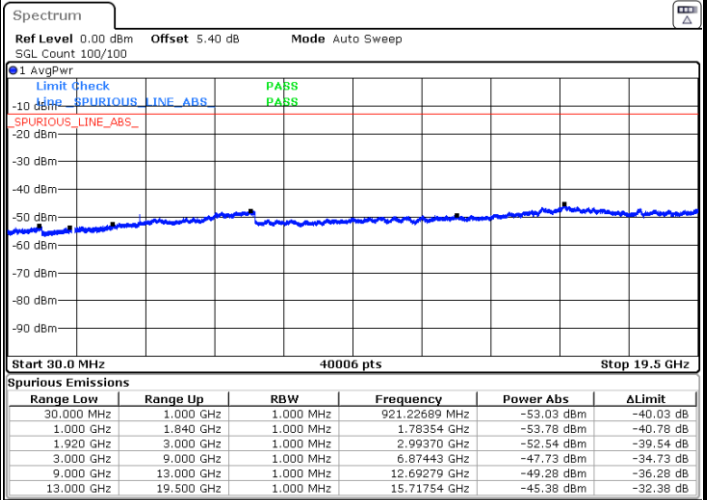
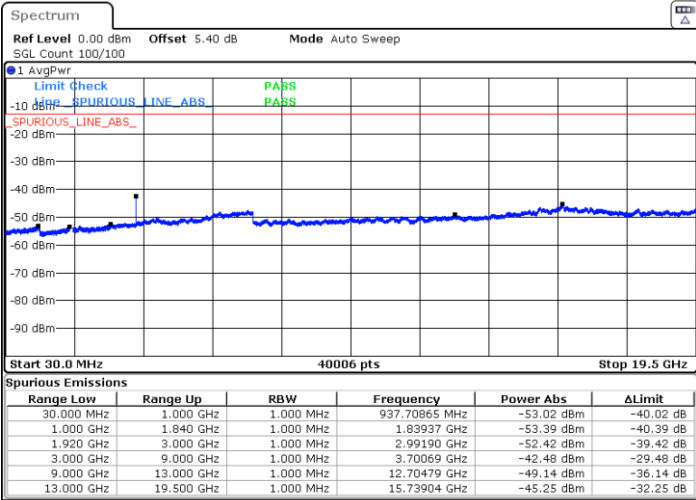
Date: 20 JUN 2019 13:56:56



LTE Band 2 / 3MHz

Lowest Channel / 64QAM

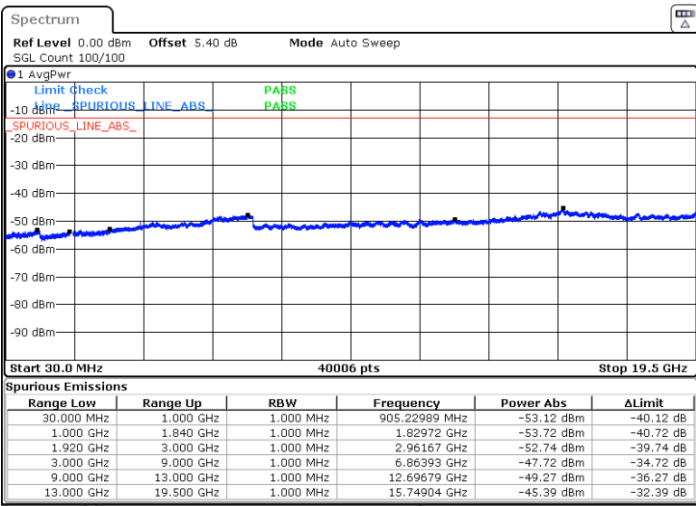
Middle Channel / 64QAM



Date: 20 JUN 2019 13:57:50

Date: 20 JUN 2019 13:58:45

Highest Channel / 64QAM

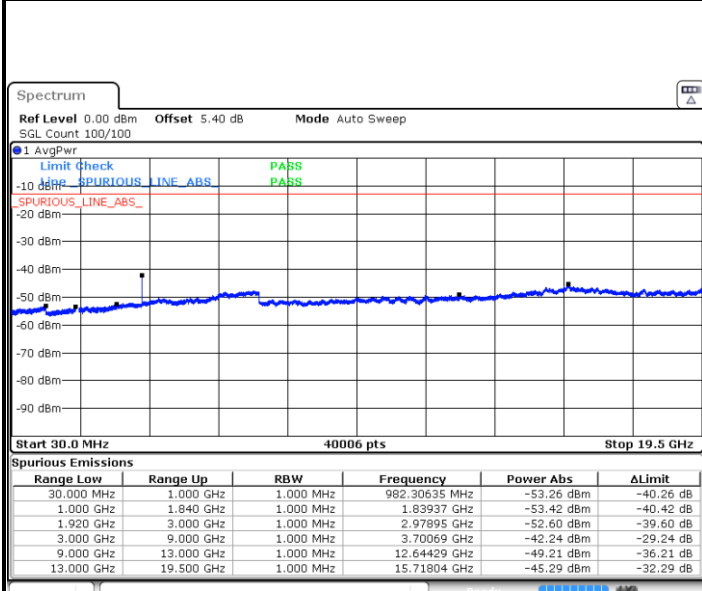


Date: 20 JUN 2019 13:59:40



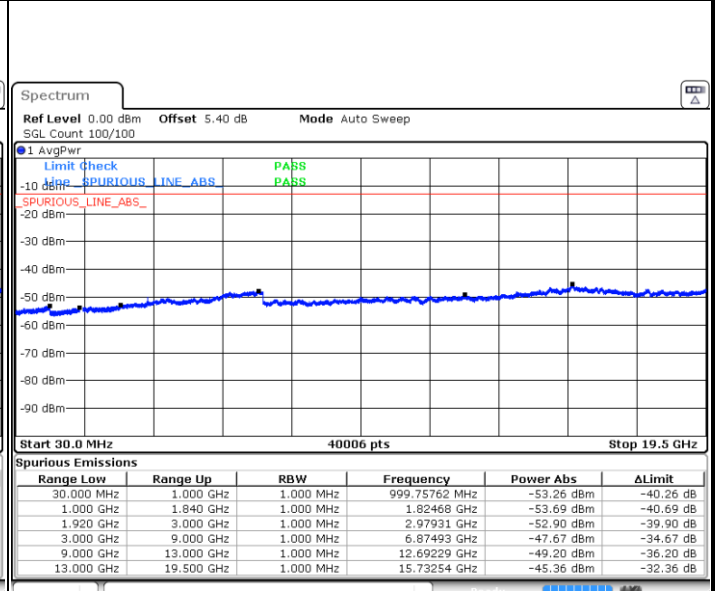
**LTE Band 2 / 5MHz**

**Lowest Channel / 64QAM**



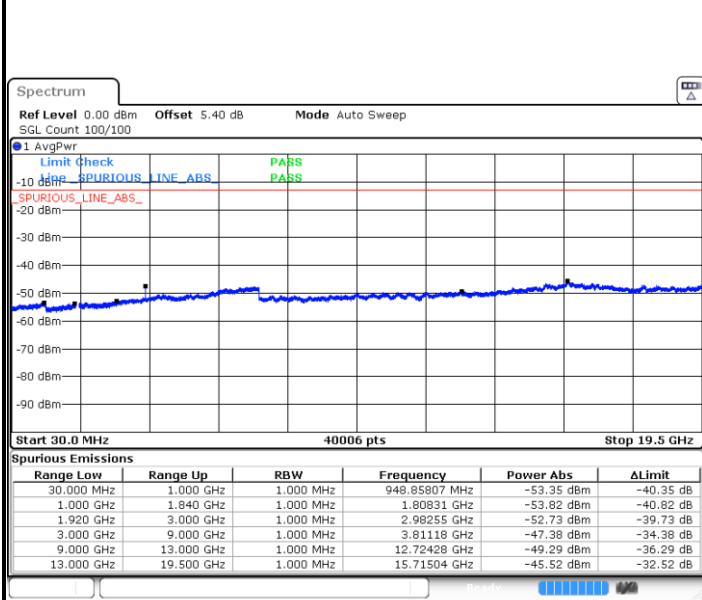
Date: 20 JUN 2019 14:00:35

**Middle Channel / 64QAM**

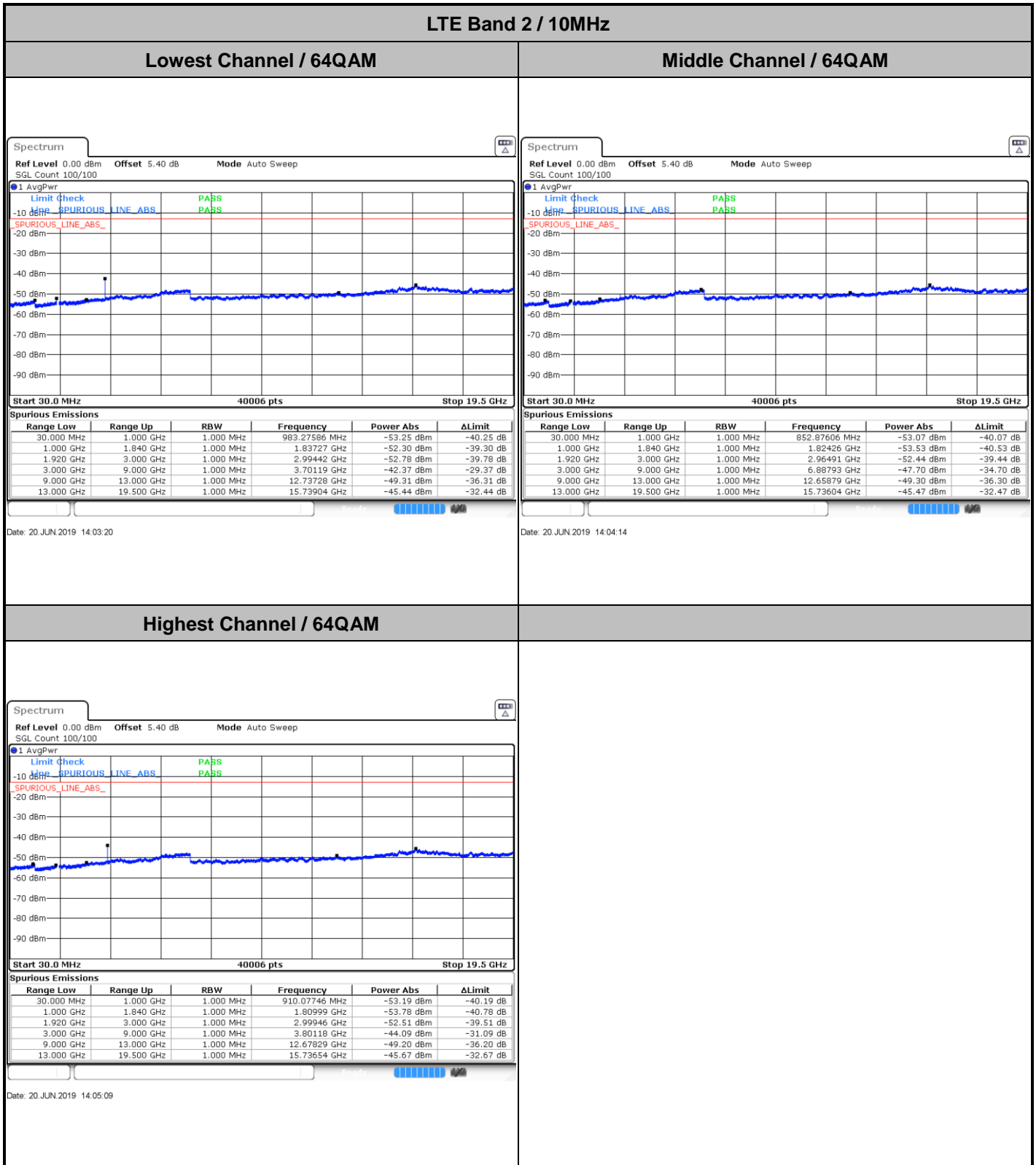


Date: 20 JUN 2019 14:01:30

**Highest Channel / 64QAM**



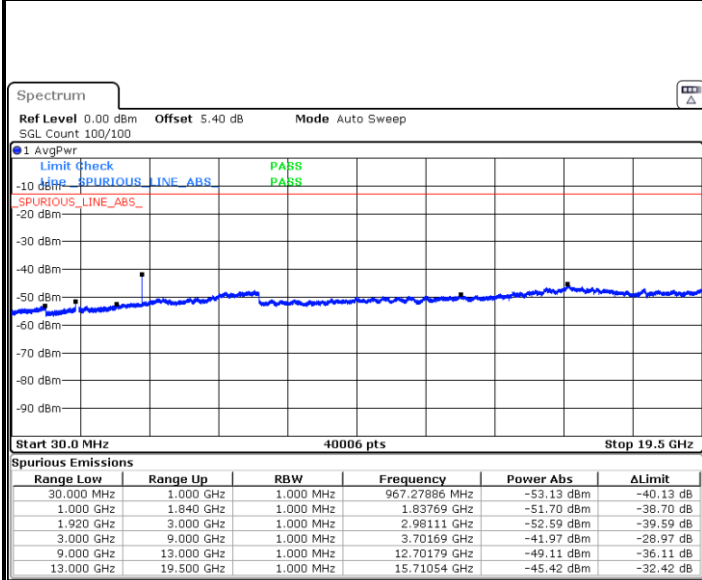
Date: 20 JUN 2019 14:02:25





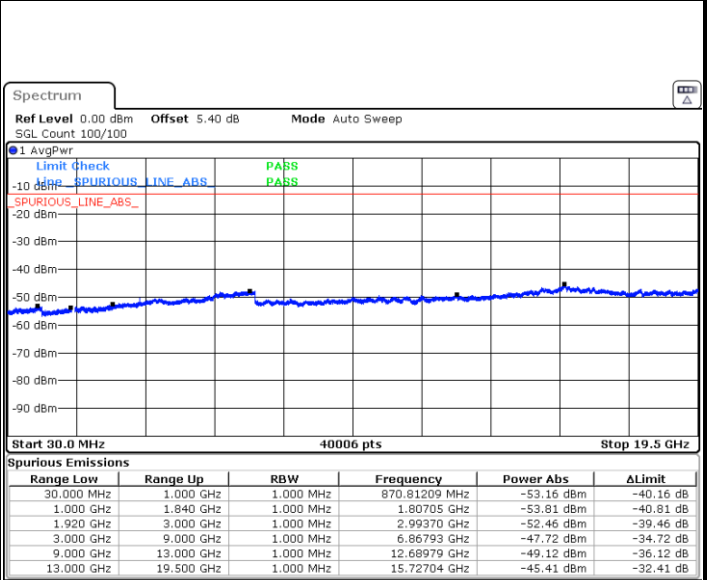
**LTE Band 2 / 15MHz**

**Lowest Channel / 64QAM**



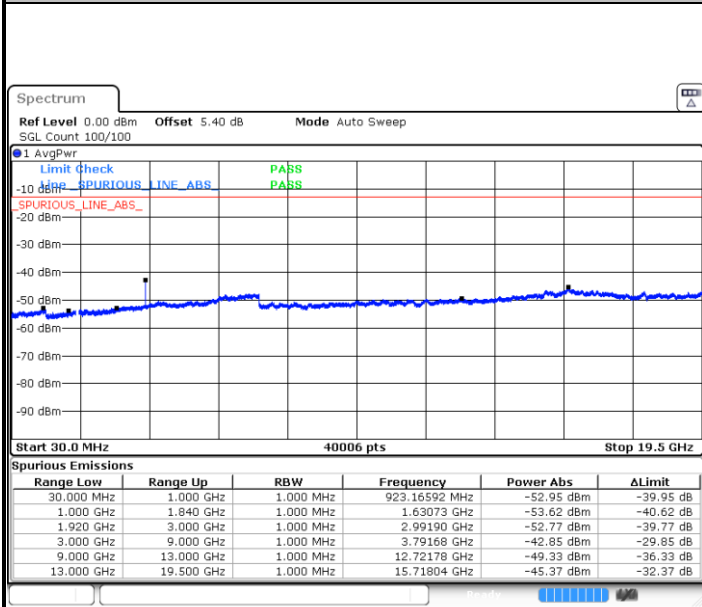
Date: 20 JUN 2019 14:06:04

**Middle Channel / 64QAM**



Date: 20 JUN 2019 14:06:59

**Highest Channel / 64QAM**



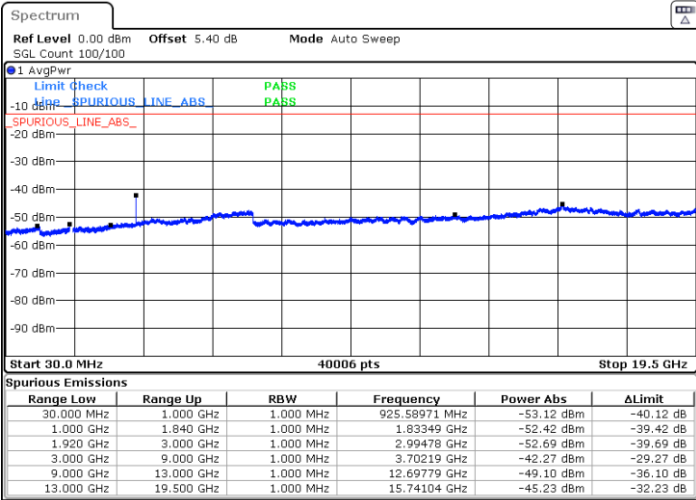
Date: 20 JUN 2019 14:07:54



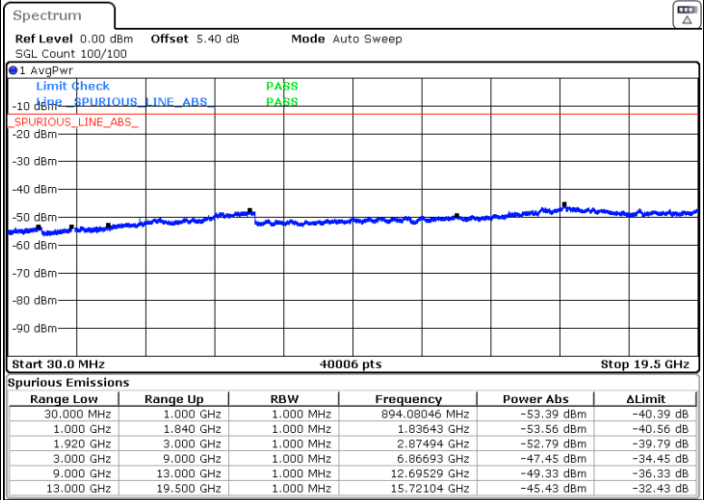
LTE Band 2 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

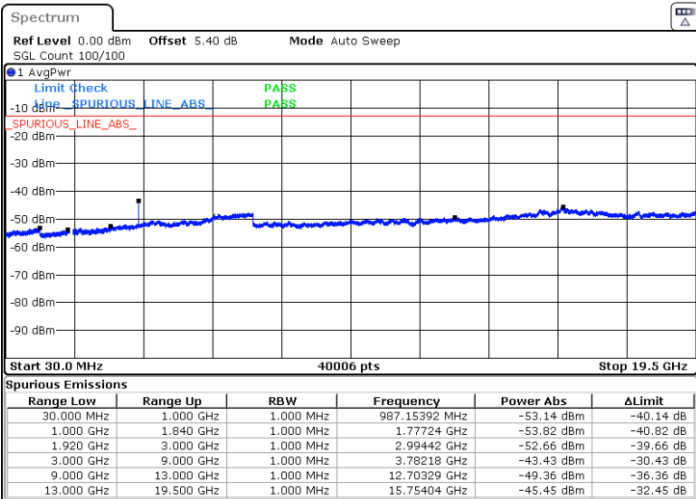


Date: 20 JUN 2019 14:08:49



Date: 20 JUN 2019 14:09:44

Highest Channel / 64QAM



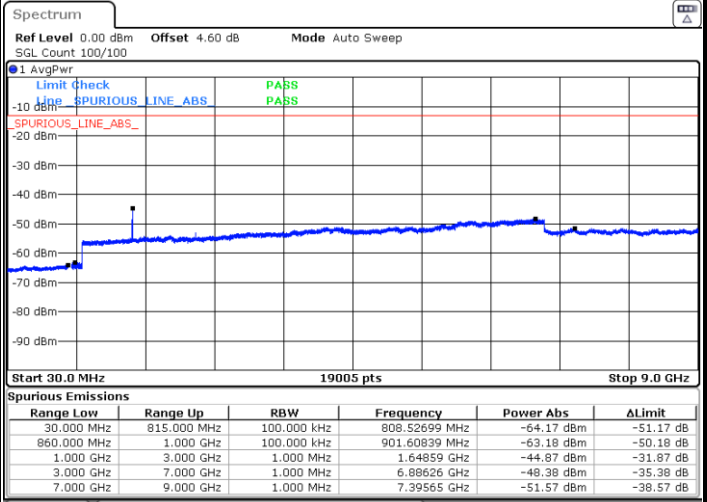
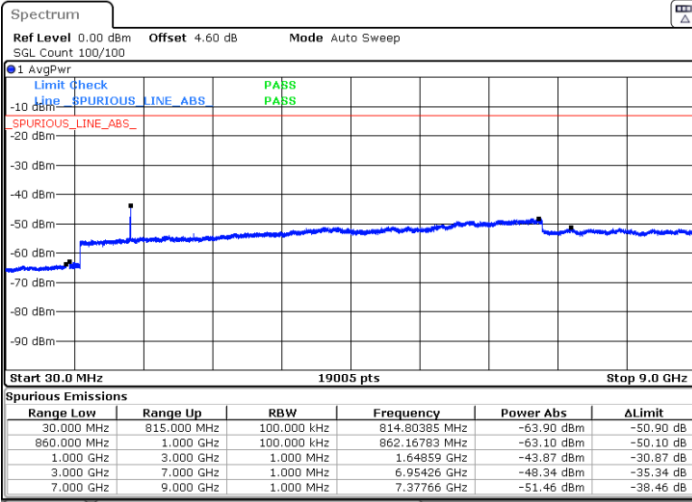
Date: 20 JUN 2019 14:10:38



LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

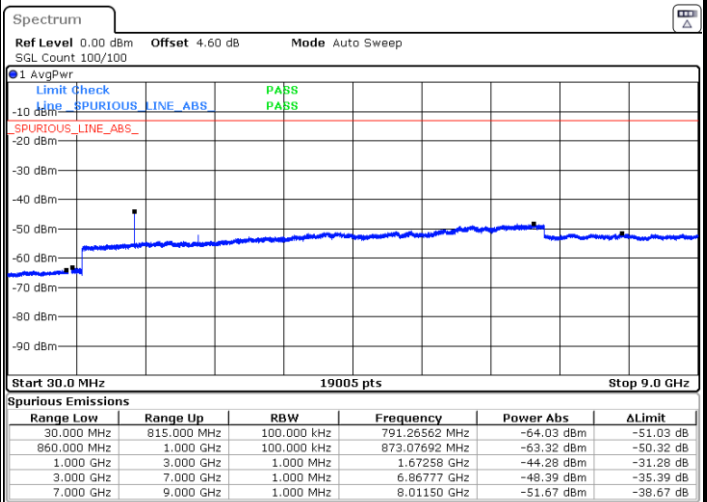
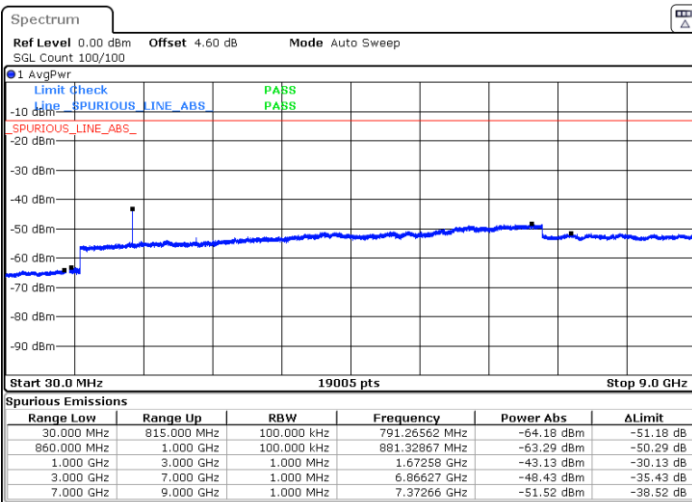


Date: 20 JUN 2019 14:21:07

Date: 20 JUN 2019 14:22:02

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 20 JUN 2019 14:22:56

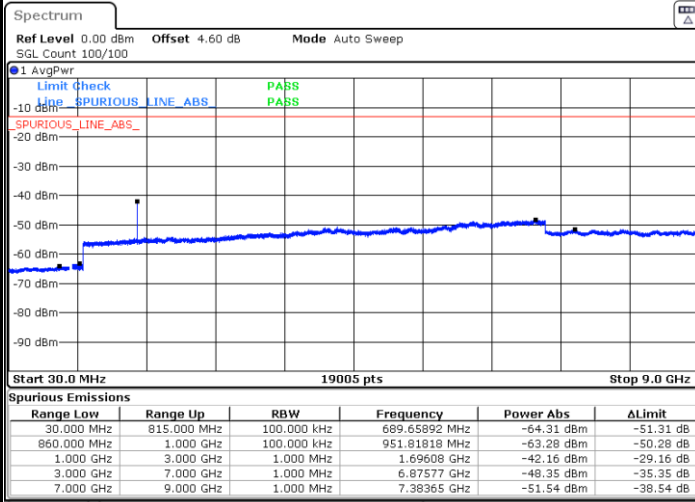
Date: 20 JUN 2019 14:23:51





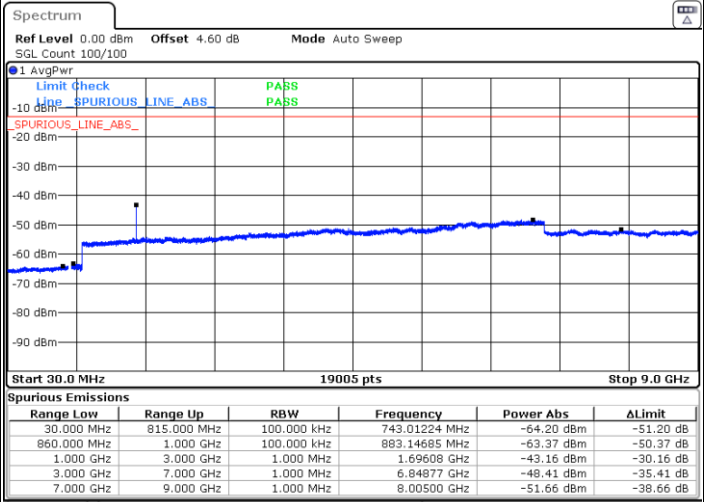
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 20 JUN 2019 14:31:16

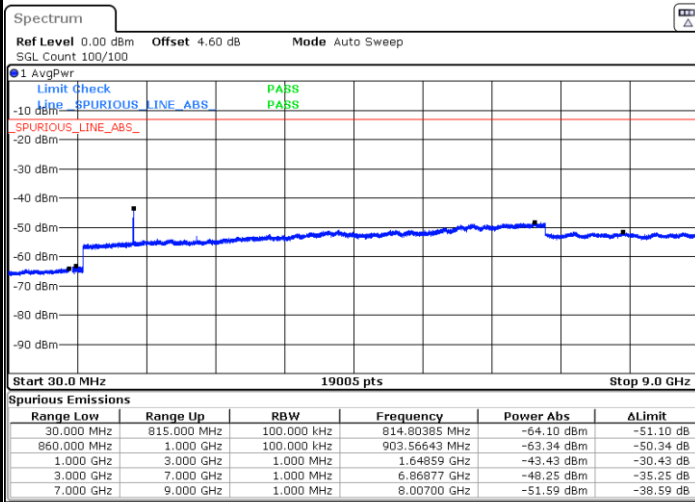
Highest Channel / 16QAM



Date: 20 JUN 2019 14:32:10

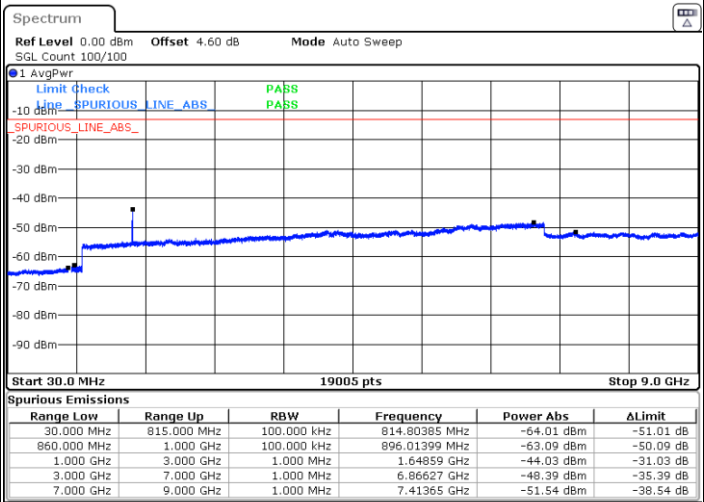
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 20 JUN 2019 14:39:45

Lowest Channel / 16QAM



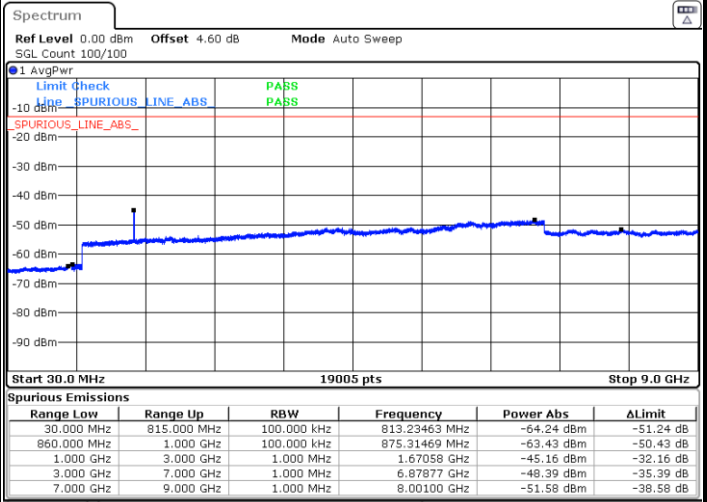
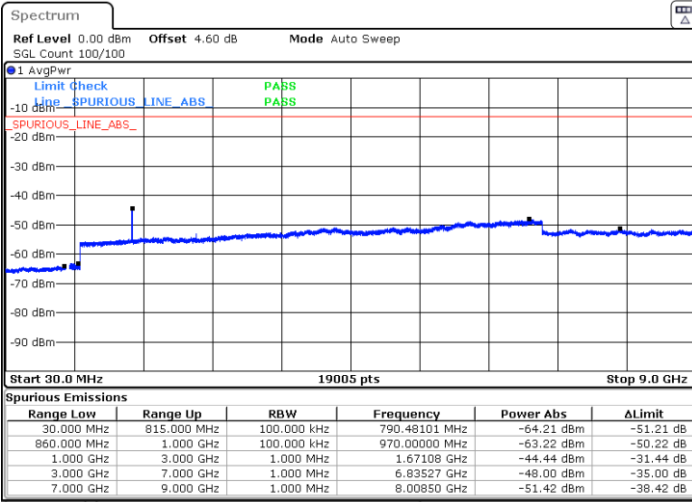
Date: 20 JUN 2019 14:40:40



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

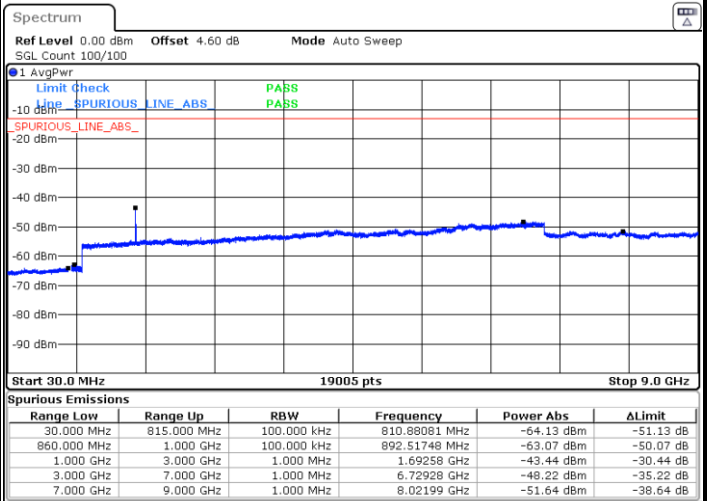
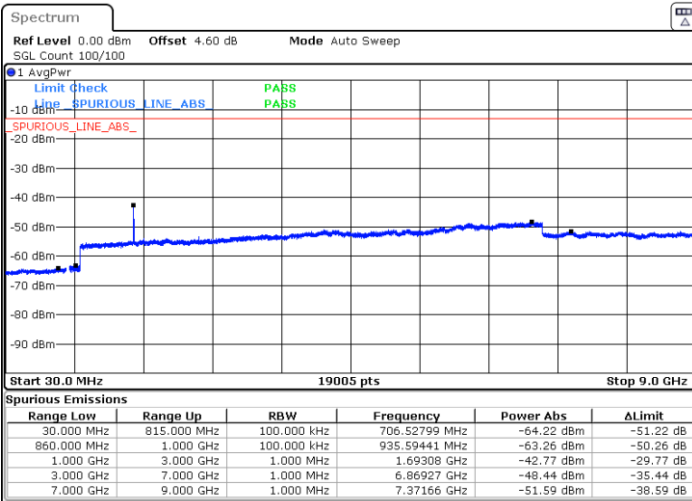


Date: 20 JUN 2019 14:41:35

Date: 20 JUN 2019 14:42:29

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 20 JUN 2019 14:49:54

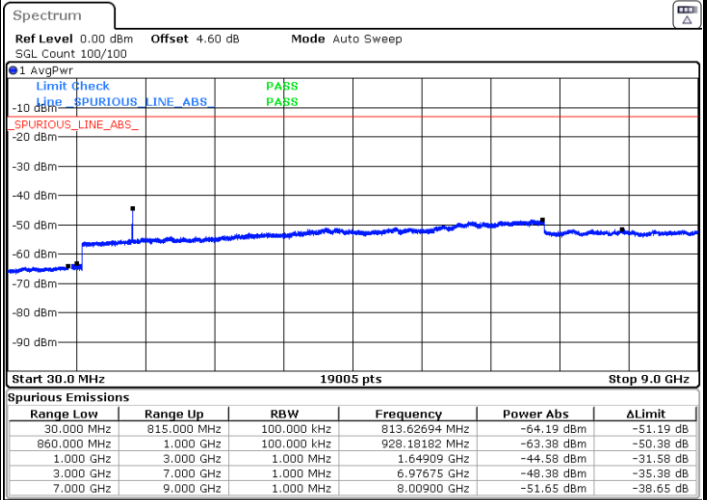
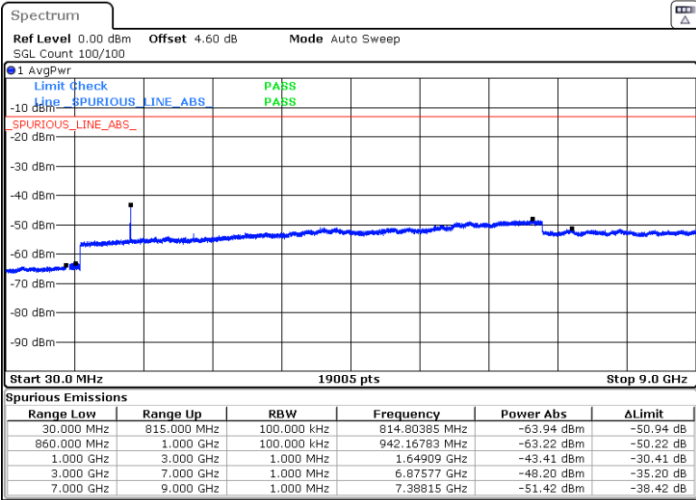
Date: 20 JUN 2019 14:50:49



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

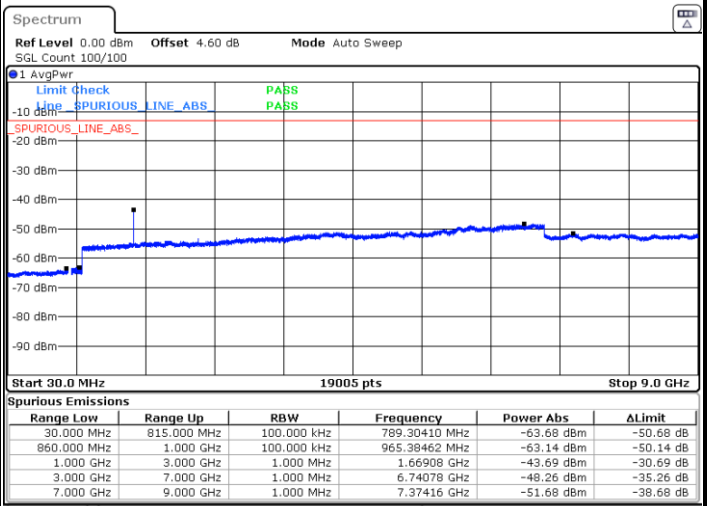
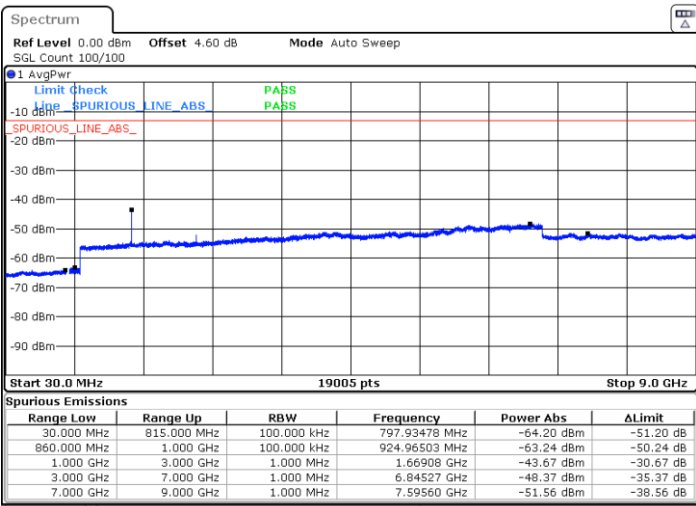


Date: 20 JUN 2019 14:58:13

Date: 20 JUN 2019 14:59:08

Middle Channel / QPSK

Middle Channel / 16QAM



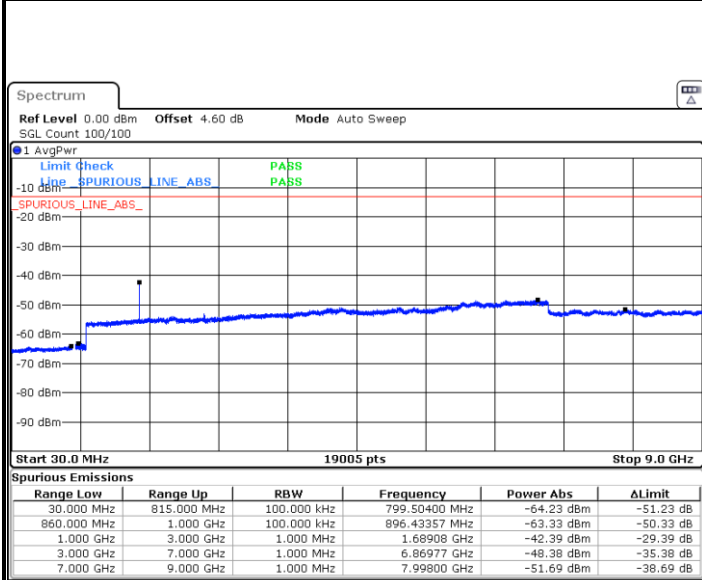
Date: 20 JUN 2019 15:00:03

Date: 20 JUN 2019 15:00:57



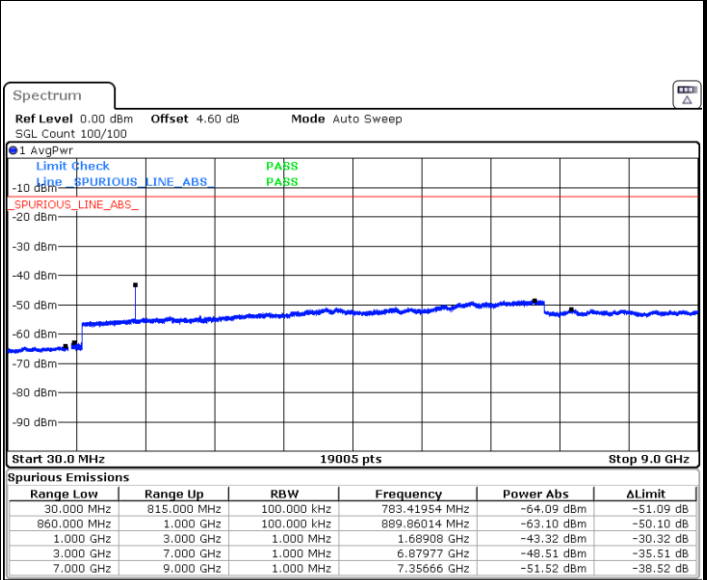
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 20 JUN 2019 15:08:22

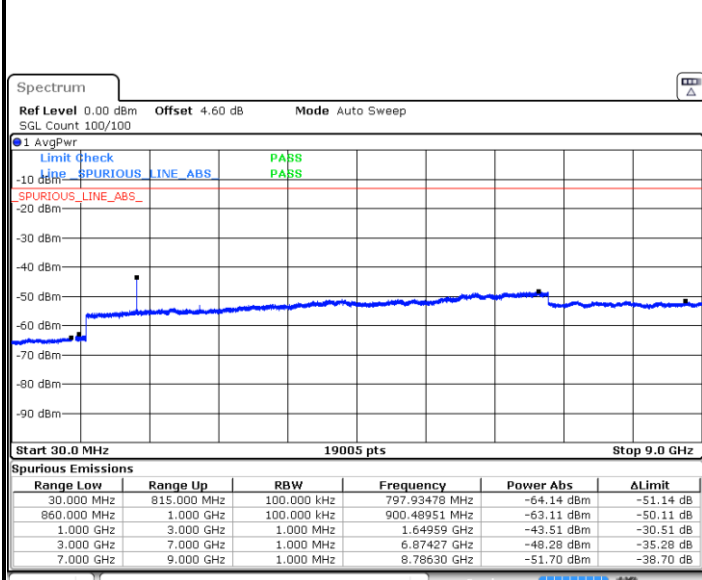
Highest Channel / 16QAM



Date: 20 JUN 2019 15:09:16

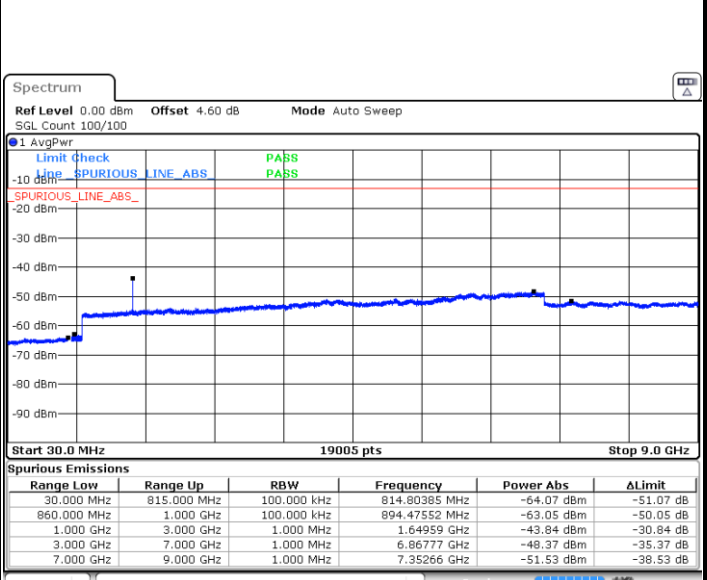
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 20 JUN 2019 15:16:41

Lowest Channel / 16QAM

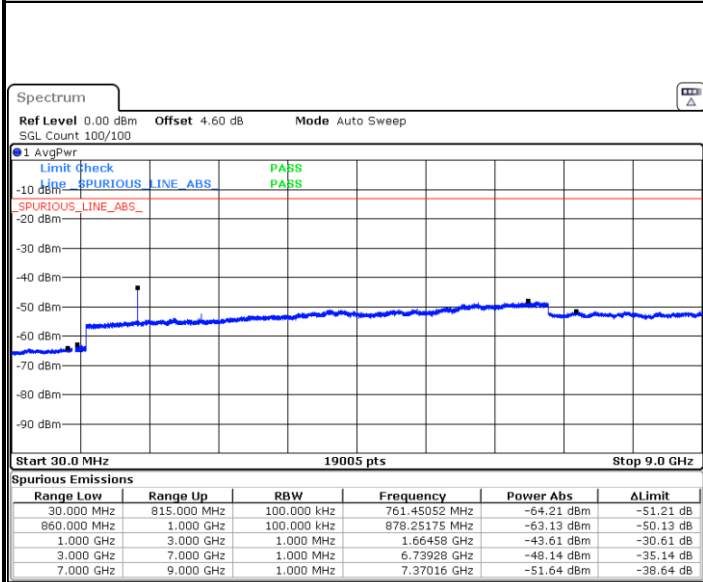


Date: 20 JUN 2019 15:17:36



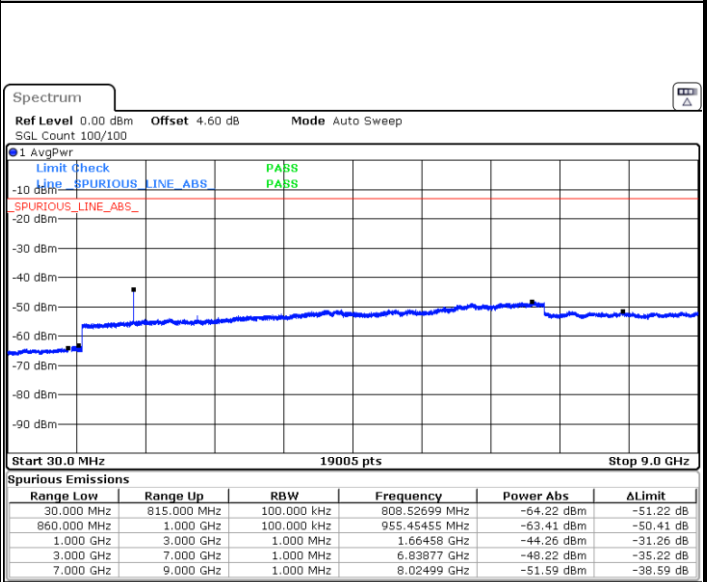
LTE Band 5 / 10MHz

Middle Channel / QPSK



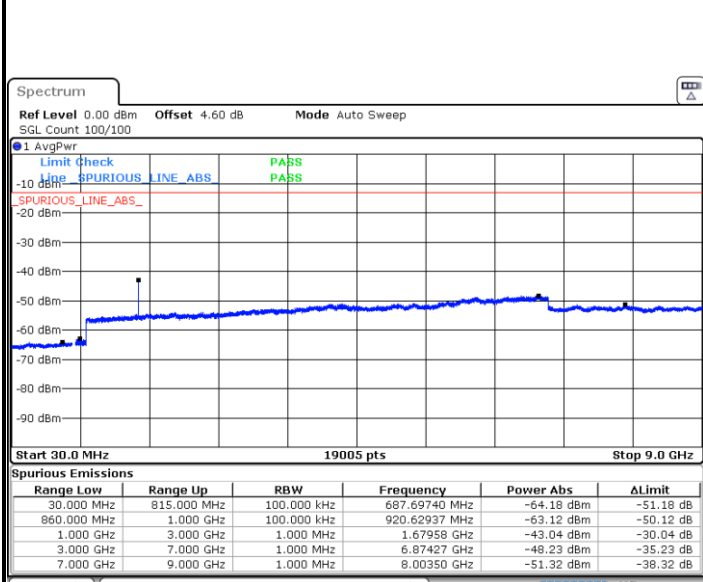
Date: 20 JUN 2019 15:18:30

Middle Channel / 16QAM



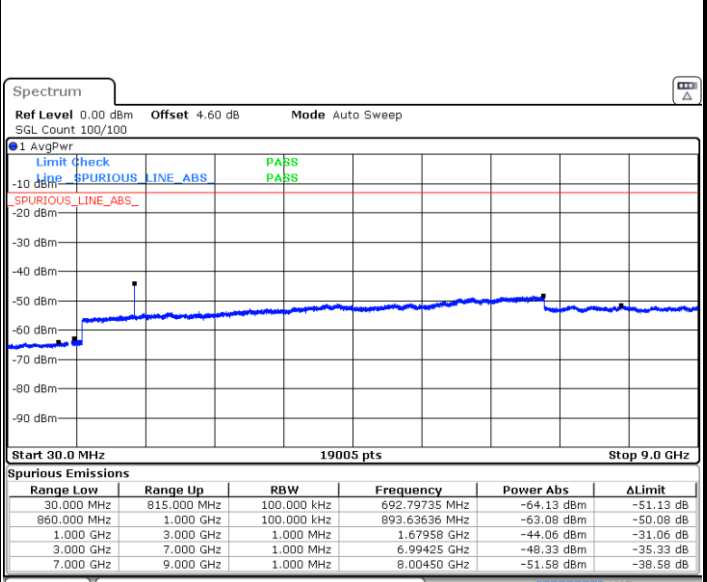
Date: 20 JUN 2019 15:19:25

Highest Channel / QPSK



Date: 20 JUN 2019 15:26:50

Highest Channel / 16QAM



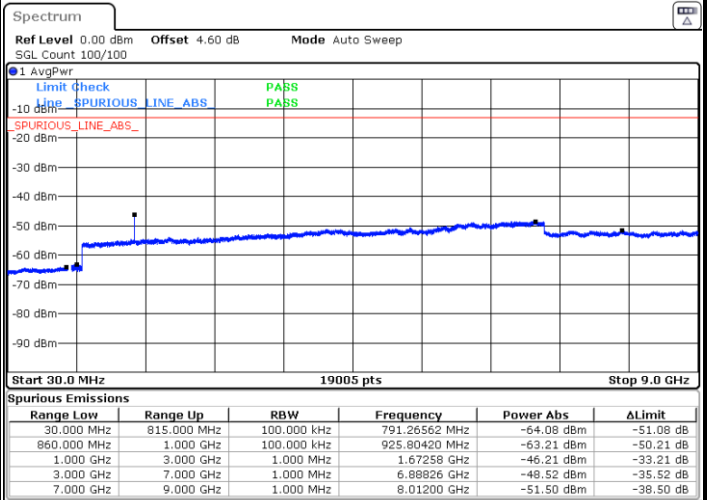
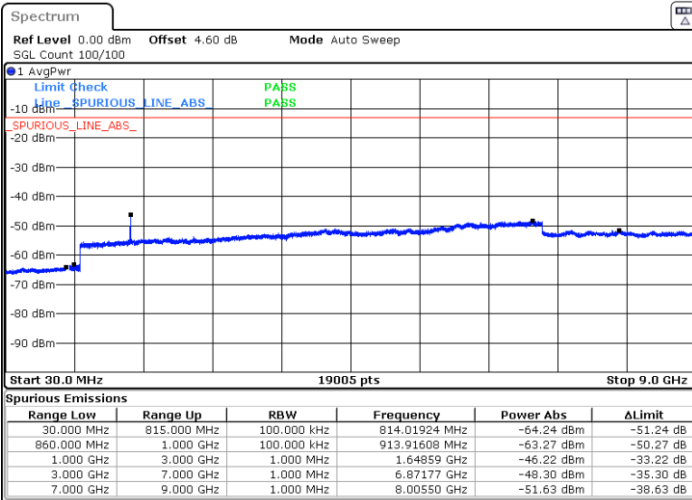
Date: 20 JUN 2019 15:27:44



LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

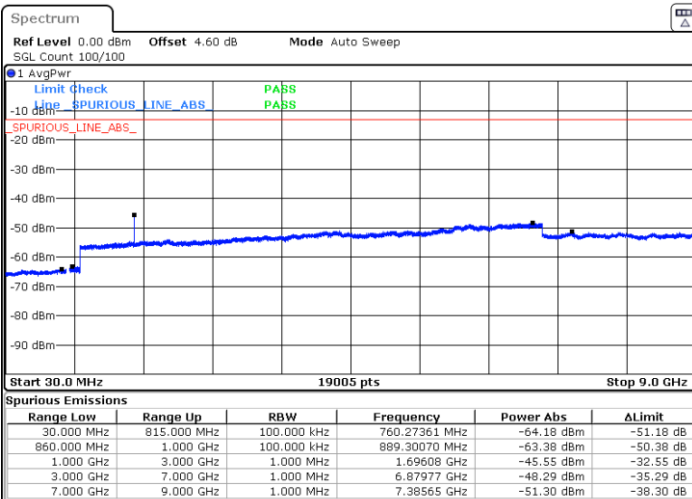
Middle Channel / 64QAM



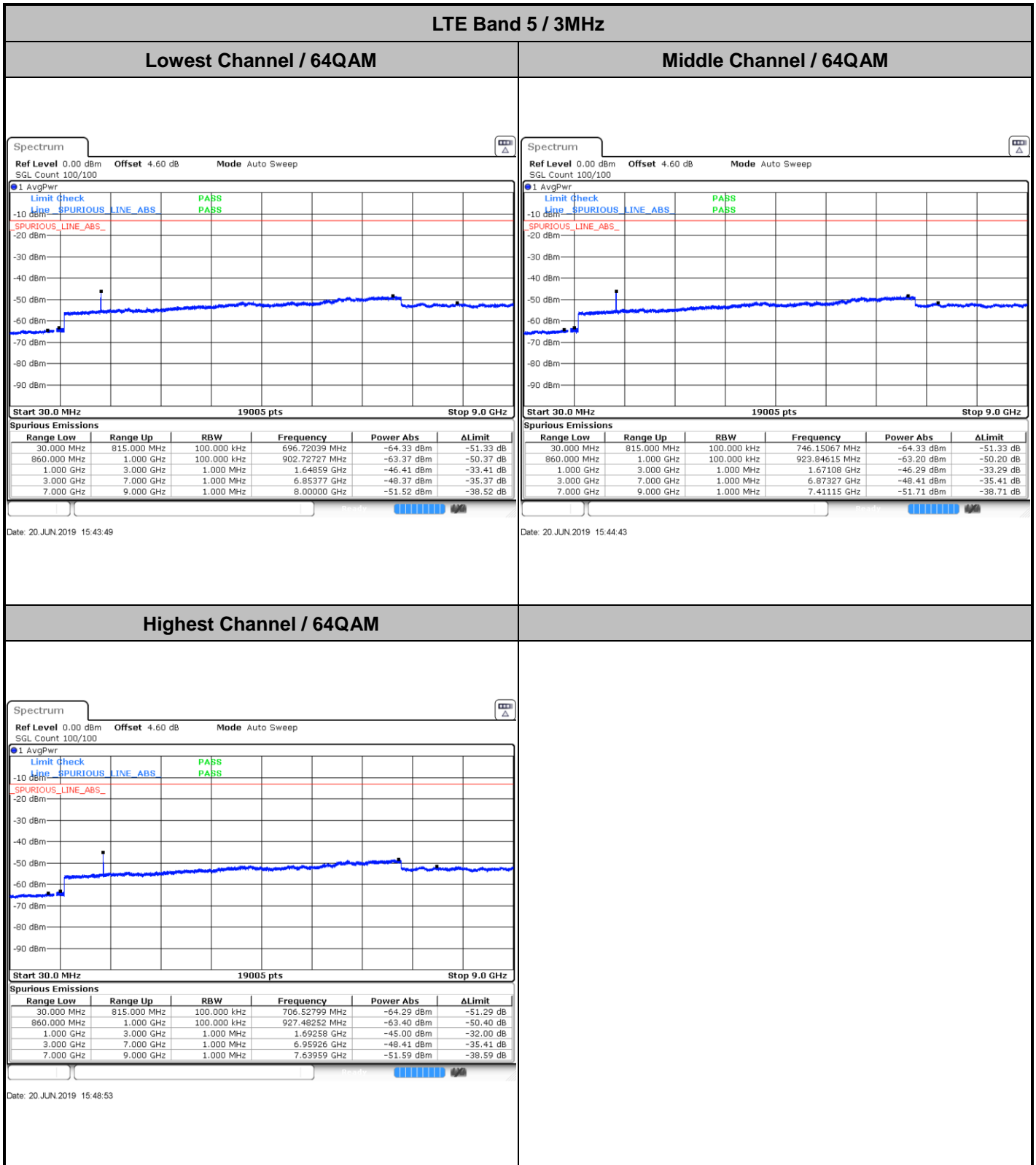
Date: 20 JUN 2019 15:34:35

Date: 20 JUN 2019 15:35:29

Highest Channel / 64QAM



Date: 20 JUN 2019 15:39:39

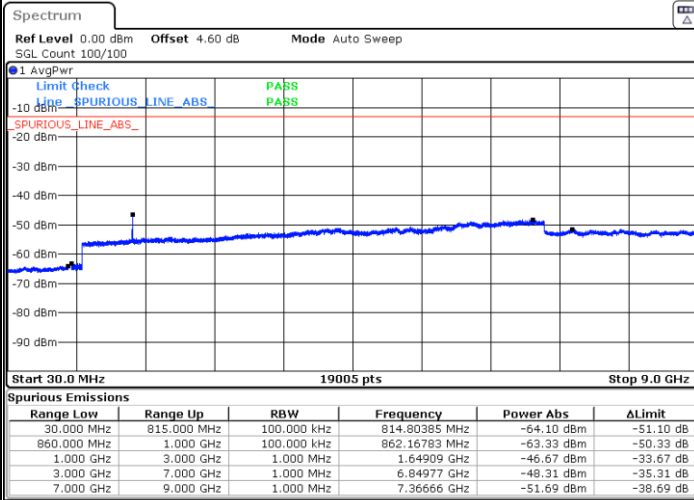




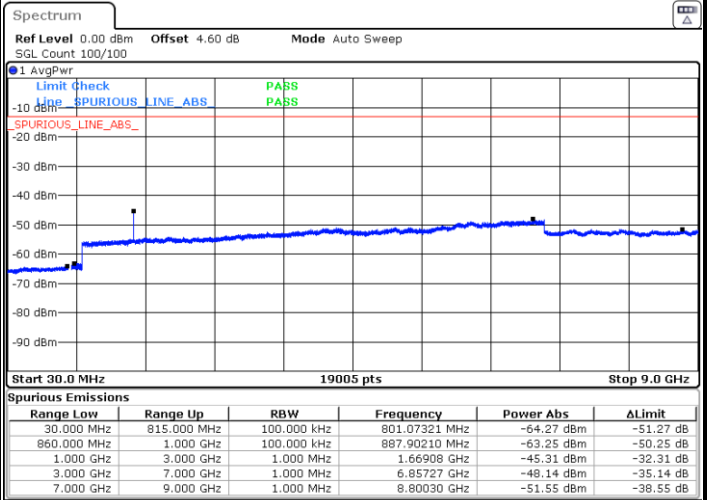
LTE Band 5 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

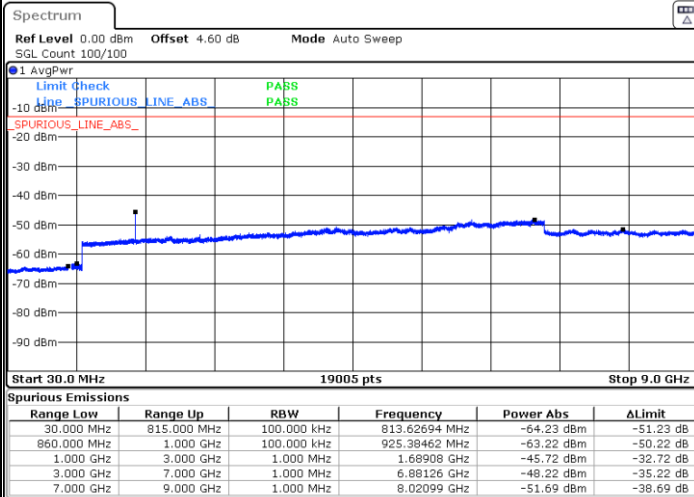


Date: 20 JUN 2019 15:53:03



Date: 20 JUN 2019 15:53:57

Highest Channel / 64QAM



Date: 20 JUN 2019 15:58:07

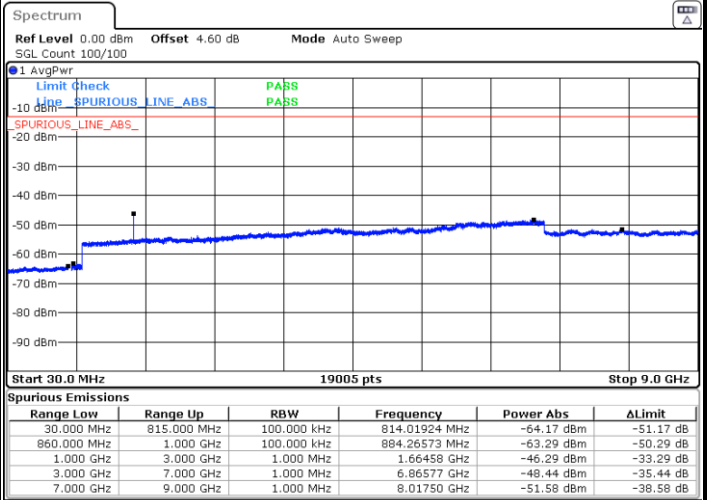
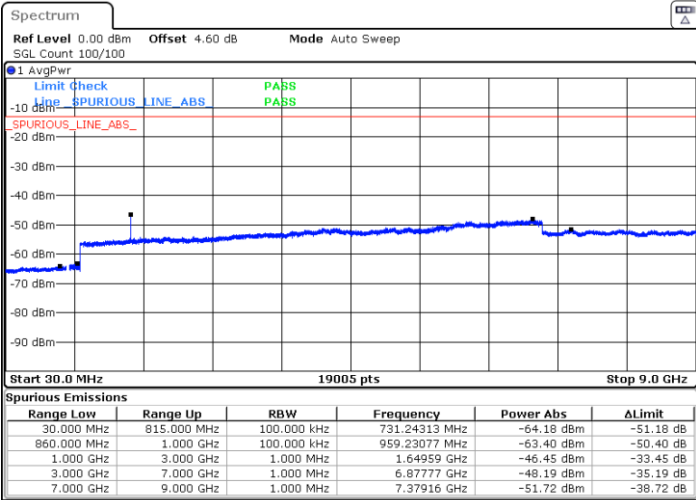




LTE Band 5 / 10MHz

Lowest Channel / 64QAM

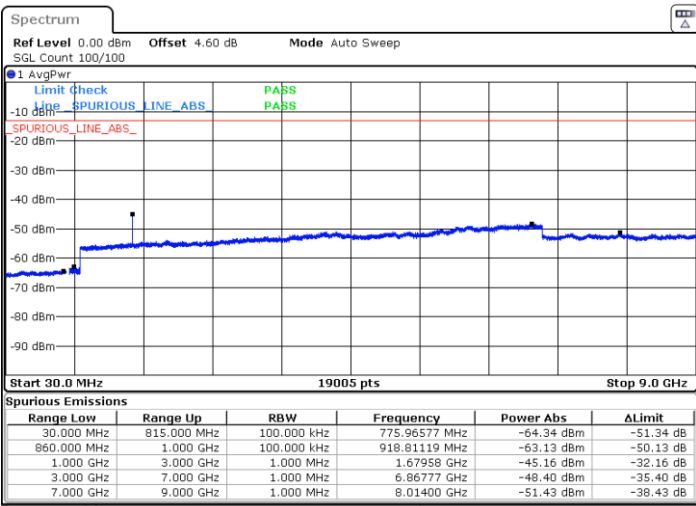
Middle Channel / 64QAM



Date: 20 JUN 2019 16:02:17

Date: 20 JUN 2019 16:03:12

Highest Channel / 64QAM



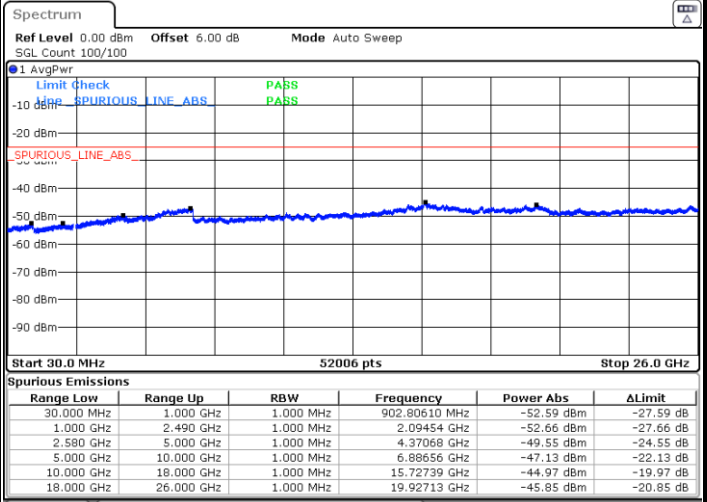
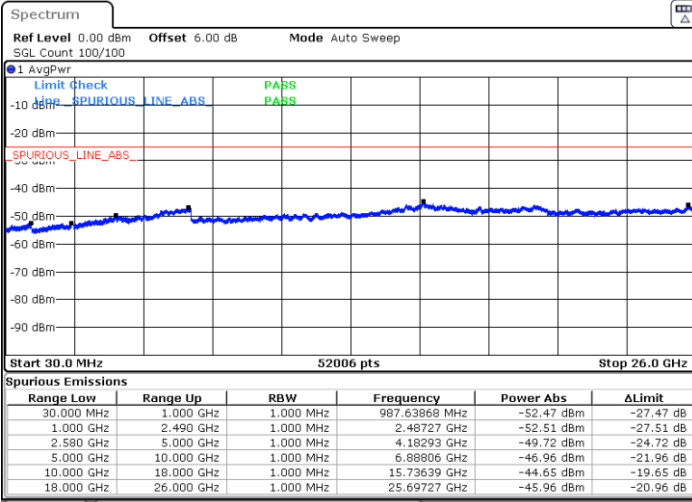
Date: 20 JUN 2019 16:07:21



LTE Band 7 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

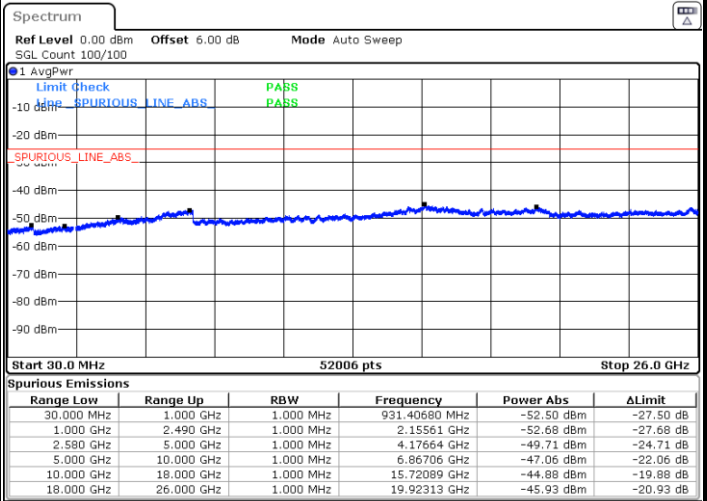
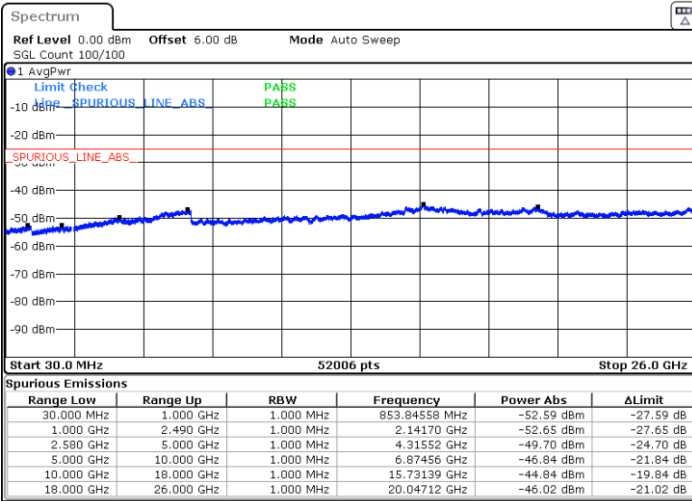


Date: 20 JUN 2019 16:19:01

Date: 20 JUN 2019 16:19:55

Middle Channel / QPSK

Middle Channel / 16QAM



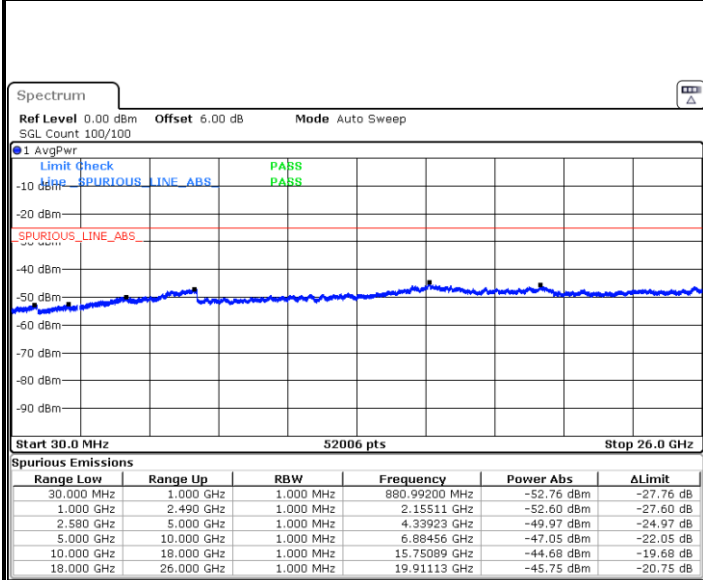
Date: 20 JUN 2019 16:21:43

Date: 20 JUN 2019 16:20:49



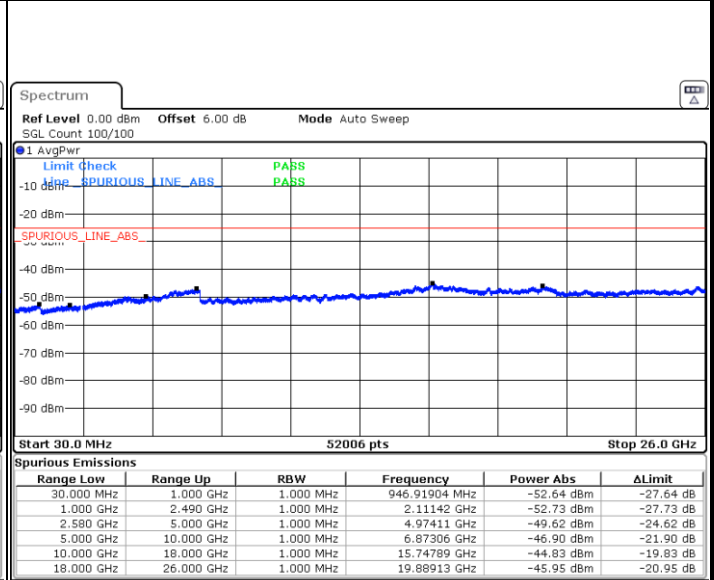
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 20 JUN 2019 16:22:37

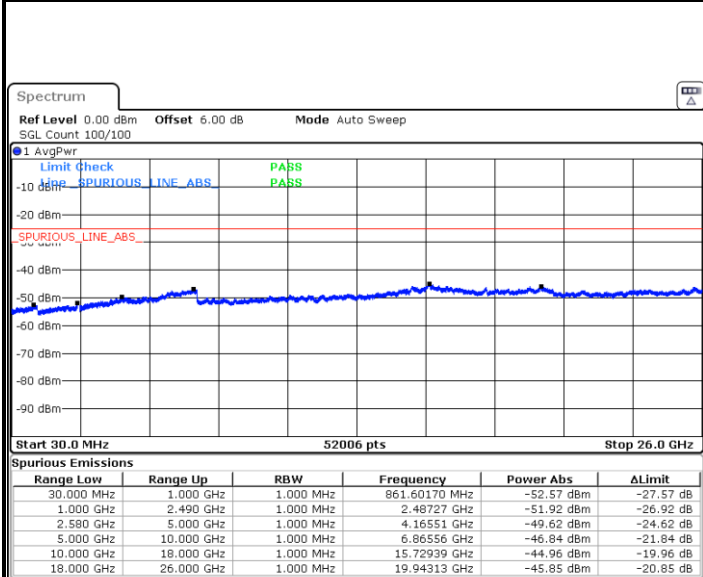
Highest Channel / 16QAM



Date: 20 JUN 2019 16:23:31

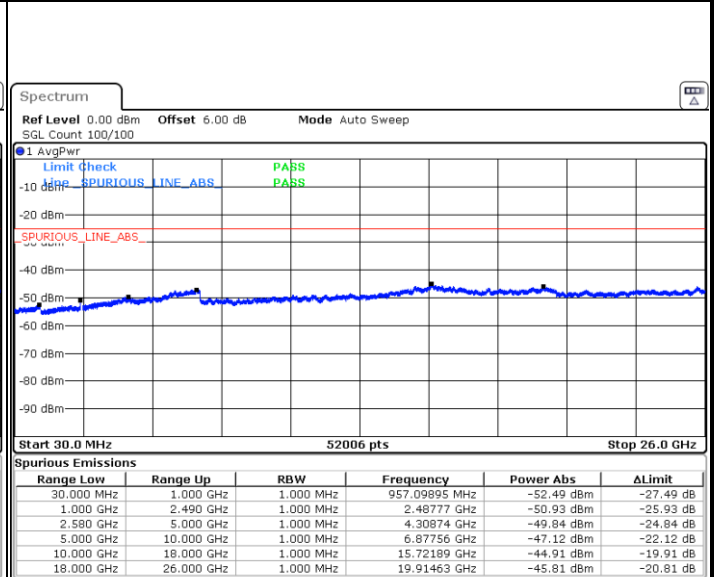
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 20 JUN 2019 16:33:30

Lowest Channel / 16QAM



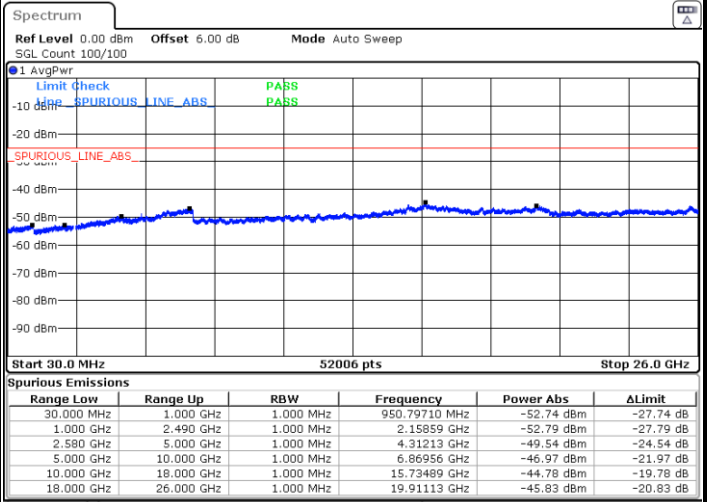
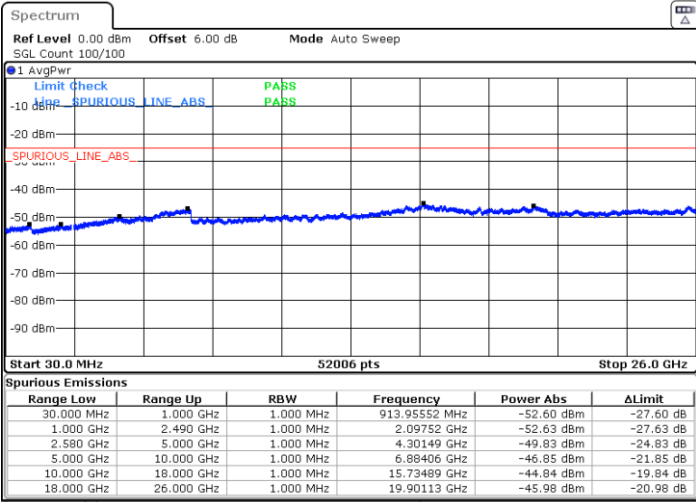
Date: 20 JUN 2019 16:34:24



LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

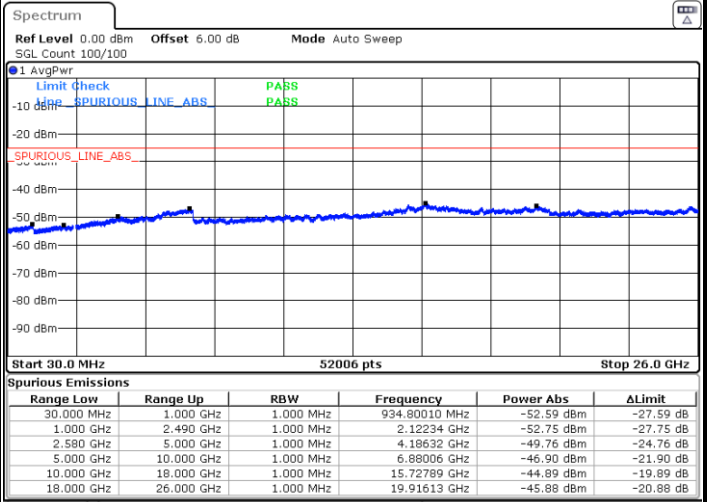
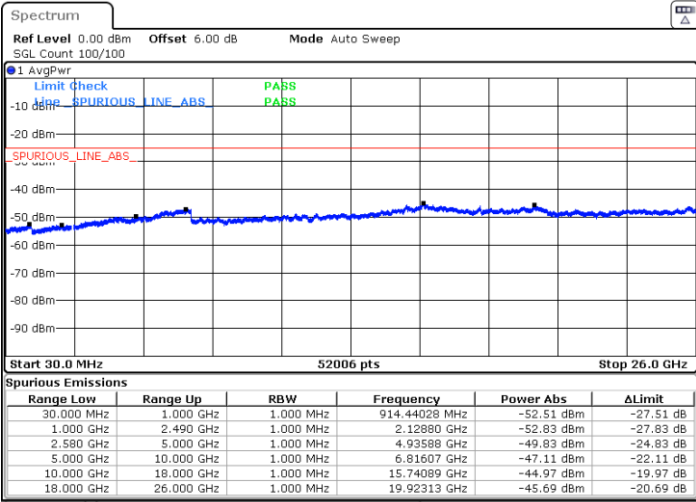


Date: 20 JUN 2019 16:36:12

Date: 20 JUN 2019 16:35:18

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 20 JUN 2019 16:37:06

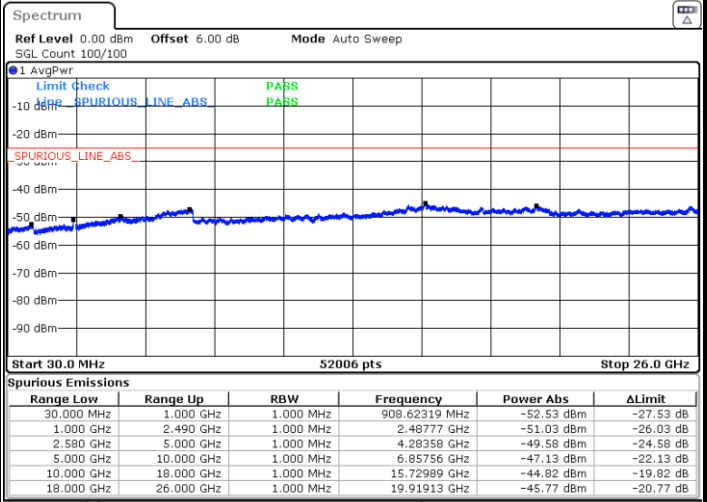
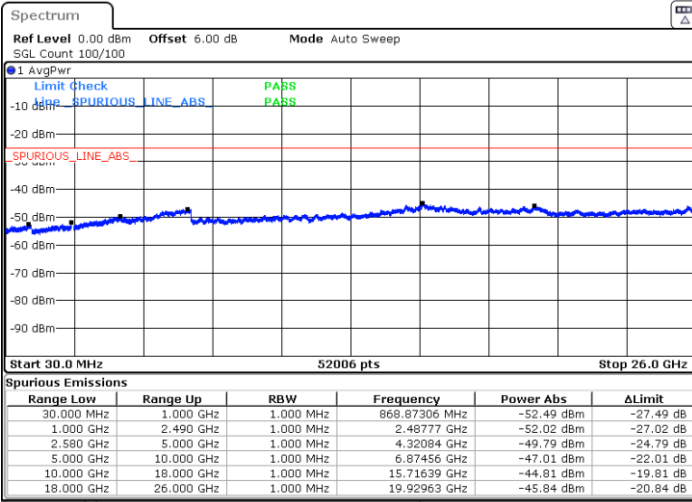
Date: 20 JUN 2019 16:38:00



LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

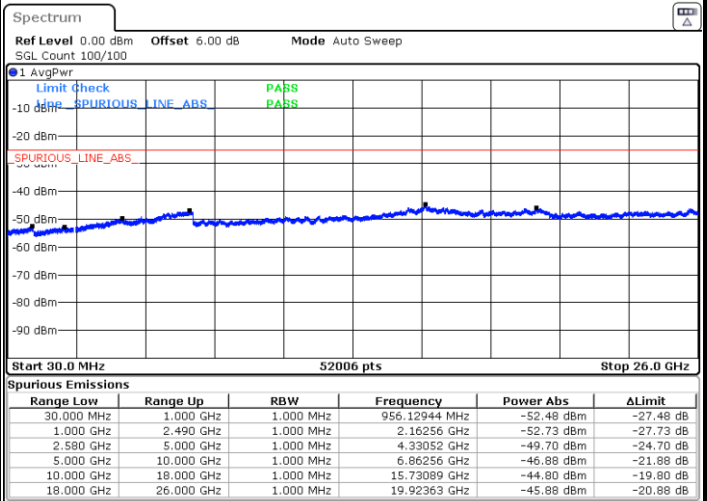
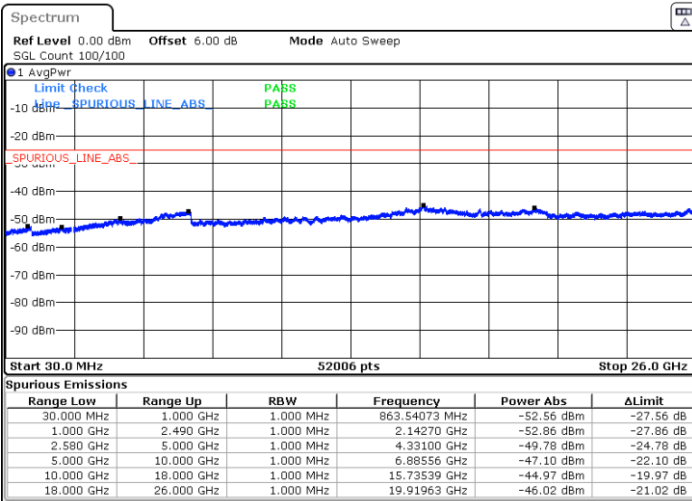


Date: 20 JUN 2019 16:48:01

Date: 20 JUN 2019 16:48:55

Middle Channel / QPSK

Middle Channel / 16QAM



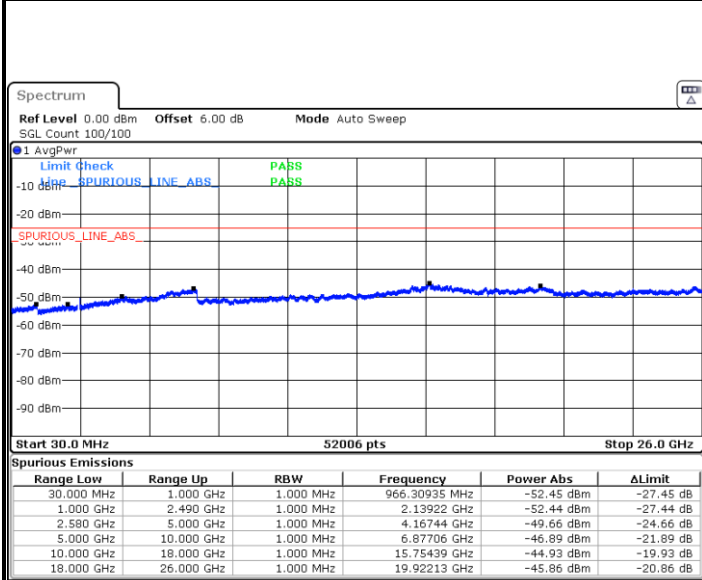
Date: 20 JUN 2019 16:54:11

Date: 20 JUN 2019 16:53:17



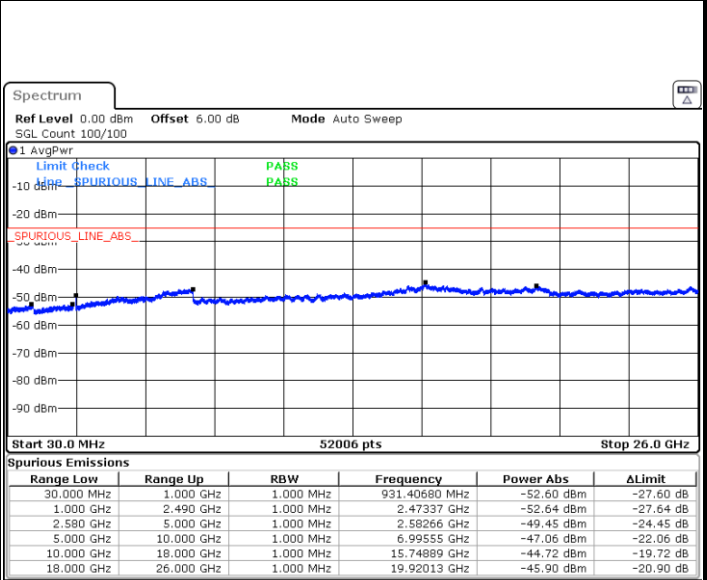
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 20 JUN 2019 16:55:05

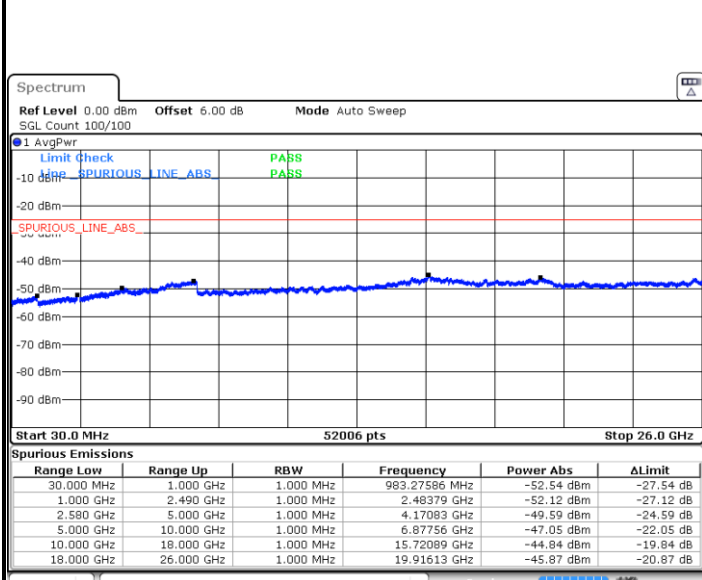
Highest Channel / 16QAM



Date: 20 JUN 2019 16:55:59

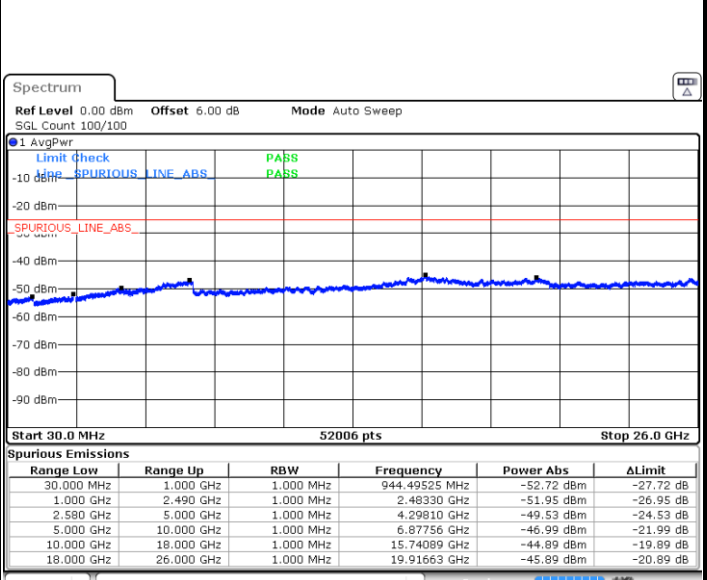
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 20 JUN 2019 17:05:59

Lowest Channel / 16QAM



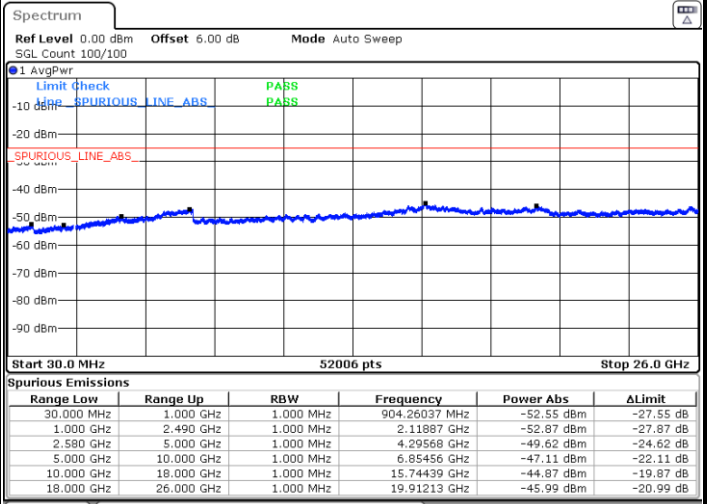
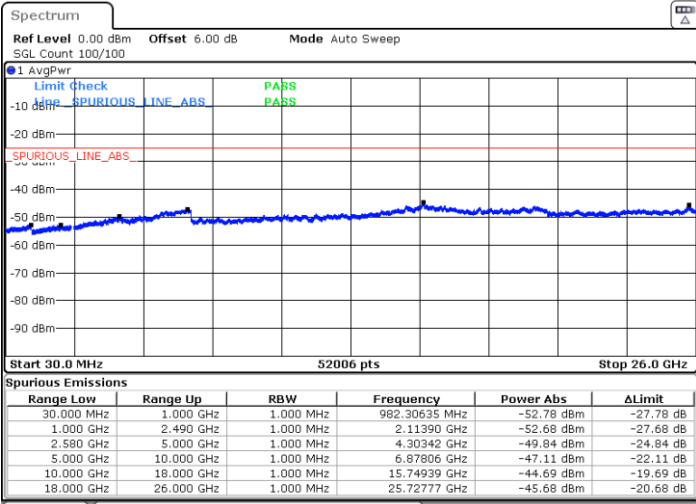
Date: 20 JUN 2019 17:06:53



LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

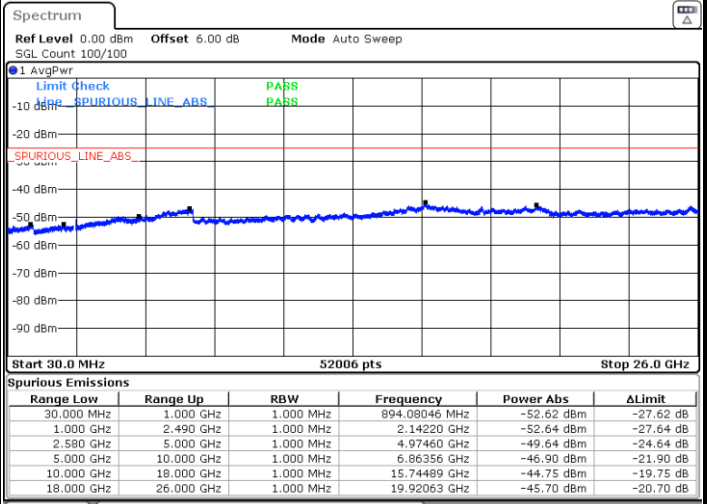
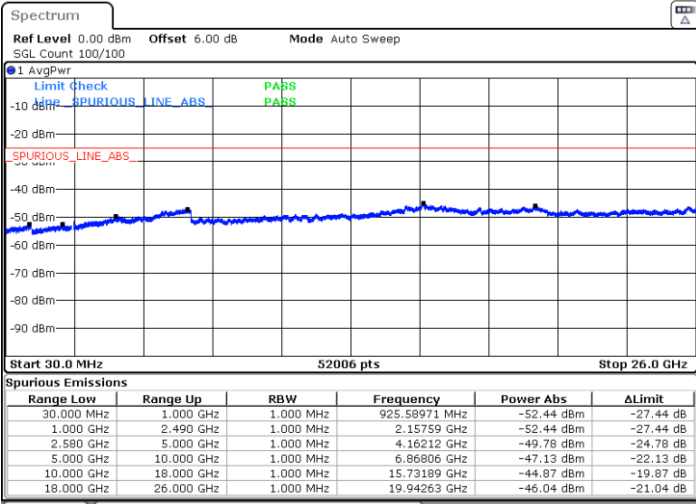


Date: 20 JUN 2019 17:08:41

Date: 20 JUN 2019 17:07:48

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 20 JUN 2019 17:09:36

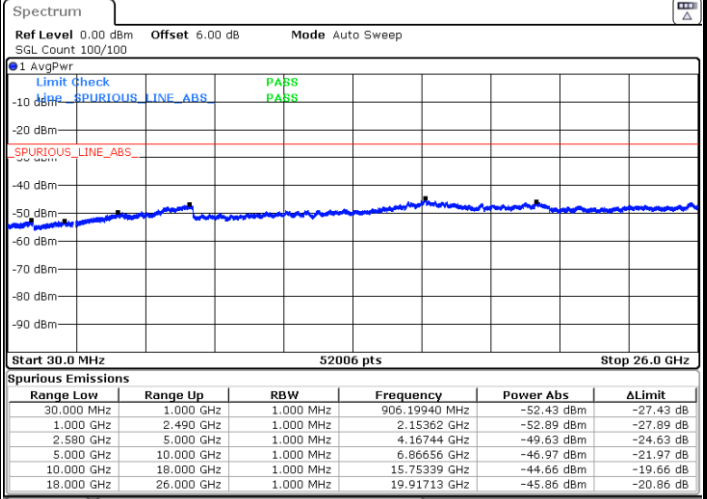
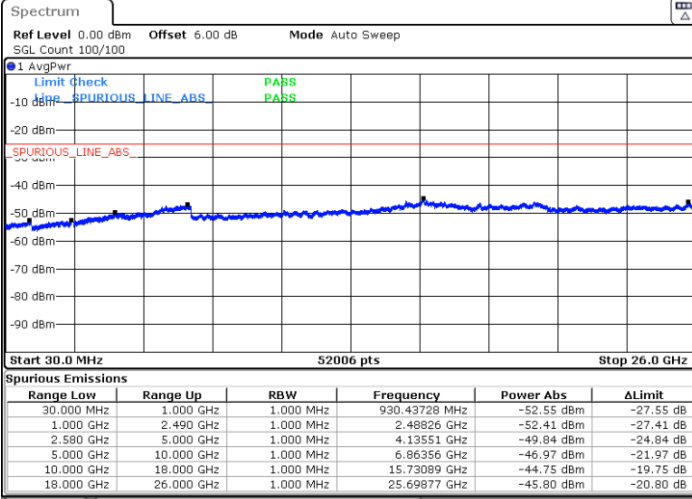
Date: 20 JUN 2019 17:10:30



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

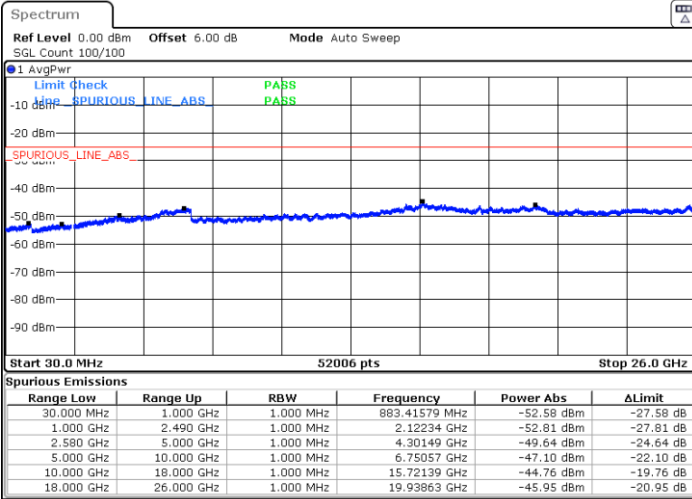
Middle Channel / 64QAM



Date: 20 JUN 2019 17:11:24

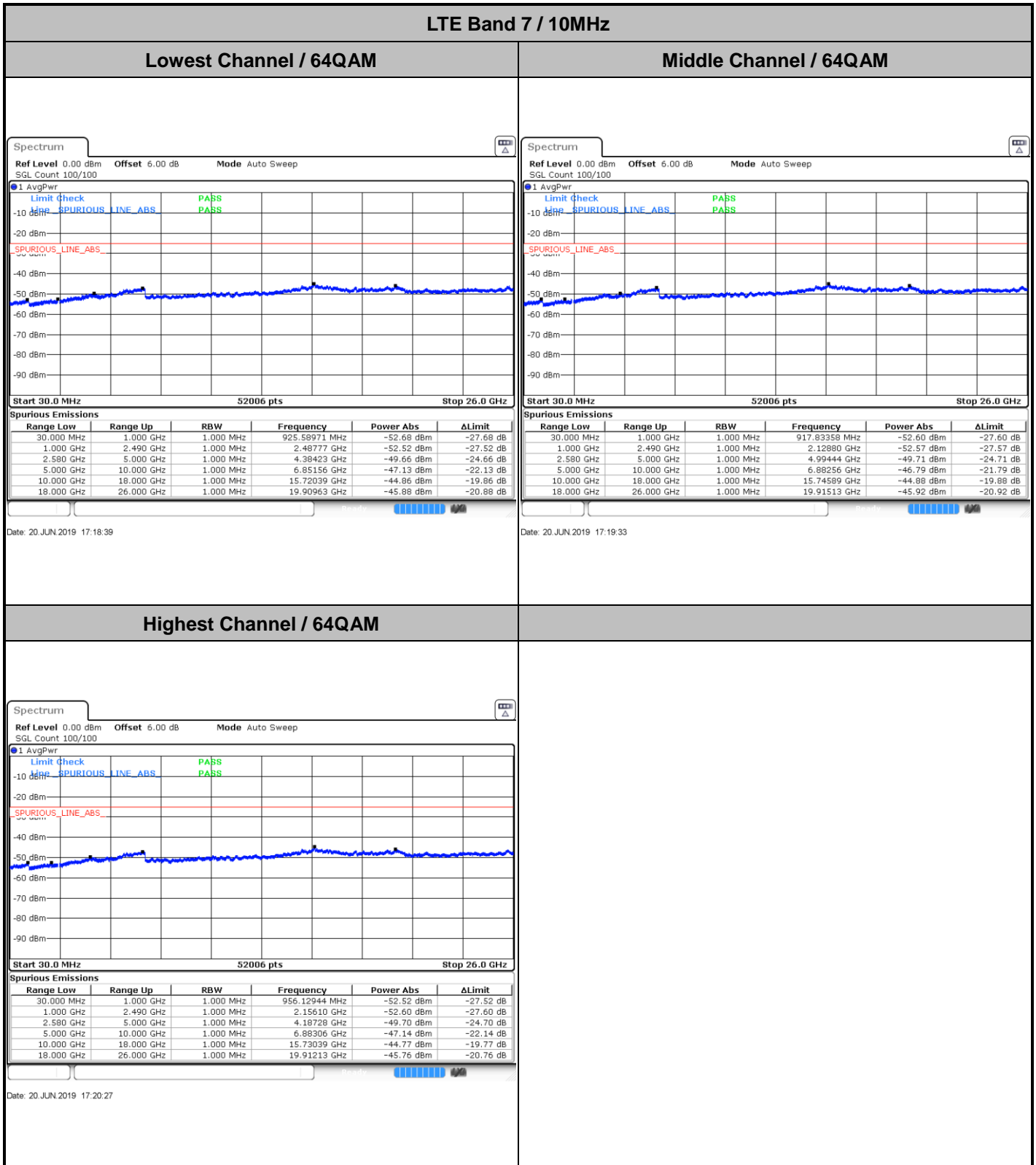
Date: 20 JUN 2019 17:12:18

Highest Channel / 64QAM



Date: 20 JUN 2019 17:13:12

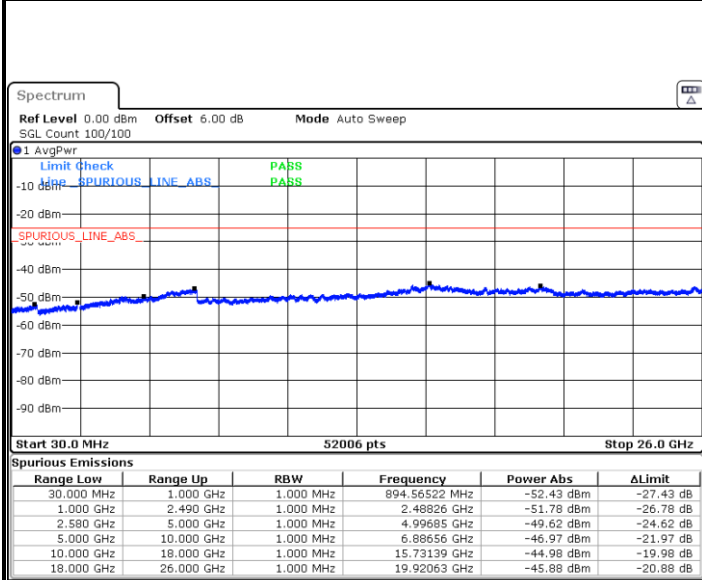






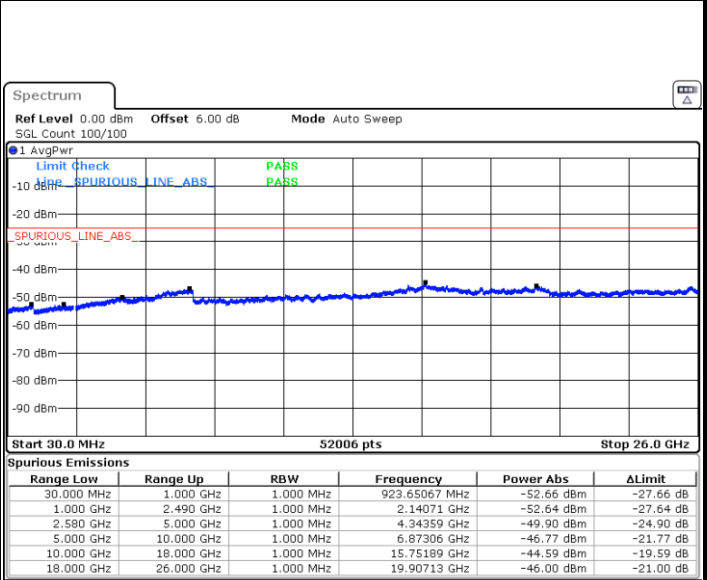
**LTE Band 7 / 15MHz**

**Lowest Channel / 64QAM**



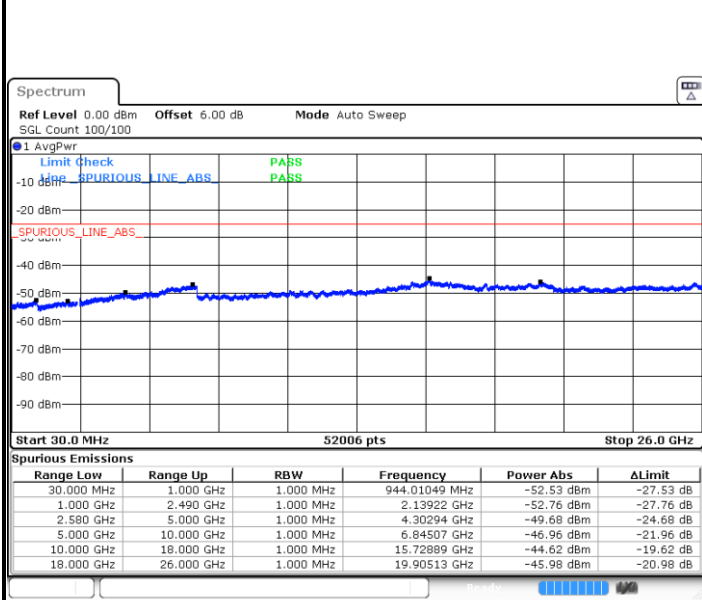
Date: 20 JUN 2019 17:30:27

**Middle Channel / 64QAM**



Date: 20 JUN 2019 17:31:21

**Highest Channel / 64QAM**



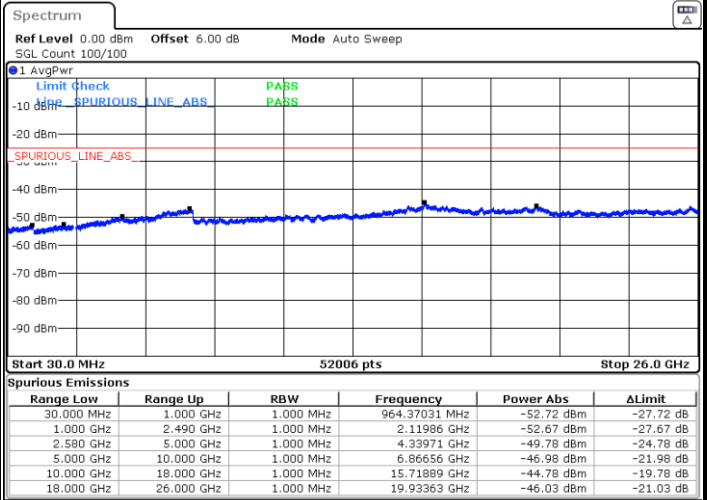
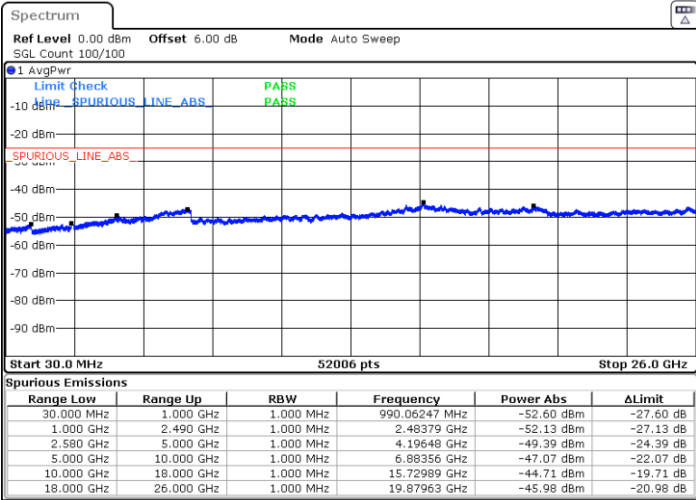
Date: 20 JUN 2019 17:32:15



LTE Band 7 / 20MHz

Lowest Channel / 64QAM

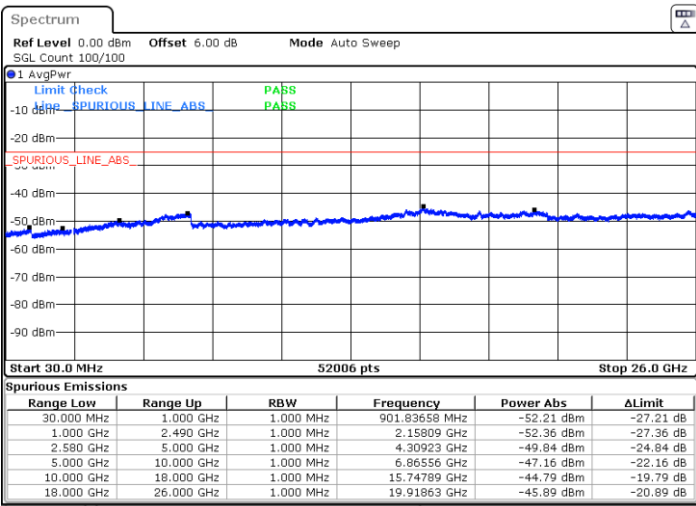
Middle Channel / 64QAM



Date: 20 JUN 2019 17:37:42

Date: 20 JUN 2019 17:38:36

Highest Channel / 64QAM



Date: 20 JUN 2019 17:39:30



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

Pre-scanned in three orthogonal panels, X, Y, Z for WWAN Bottom / Top Antenna which can't transmit simultaneously. The worse cases were recorded in this report.

LTE Band 2 / 5MHz / QPSK/ 16QAM/ 64QAM								
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	3756	-46.21	-13	-33.21	-58.47	2.641	14.90	H
	5634	-56.85	-13	-43.85	-68.71	2.94	14.80	H
	7512	-51.95	-13	-38.95	-61.72	3.39	13.16	H
	3756	-51.02	-13	-38.02	-63.28	2.64	14.90	V
	5634	-56.73	-13	-43.73	-68.59	2.94	14.80	V
	7512	-51.55	-13	-38.55	-61.32	3.39	13.16	V

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

LTE Band 5 / 5MHz / QPSK/ 16QAM/ 64QAM								
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	1668	-69.23	-13	-56.23	-76.20	1.58	10.70	H
	2504	-64.97	-13	-51.97	-73.22	2.102	12.50	H
	3336	-65.34	-13	-52.34	-74.23	2.856	13.90	H
	1668	-69.28	-13	-56.28	-76.25	1.58	10.70	V
	2504	-64.89	-13	-51.89	-73.14	2.10	12.50	V
	3336	-65.28	-13	-52.28	-74.17	2.86	13.90	V

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



LTE Band 7 / 20MHz / QPSK/ 16QAM/ 64QAM								
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	-56.02	-25	-31.02	-66.23	3.03	13.24	H
	7580	-52.42	-25	-27.42	-61.87	3.56	13.01	H
	10100	-54.52	-25	-29.52	-64.04	3.92	13.44	H
	5052	-64.36	-25	-39.36	-74.57	3.03	13.24	V
	7580	-57.56	-25	-32.56	-67.01	3.56	13.01	V
	10100	-56.34	-25	-31.34	-65.86	3.92	13.44	V

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