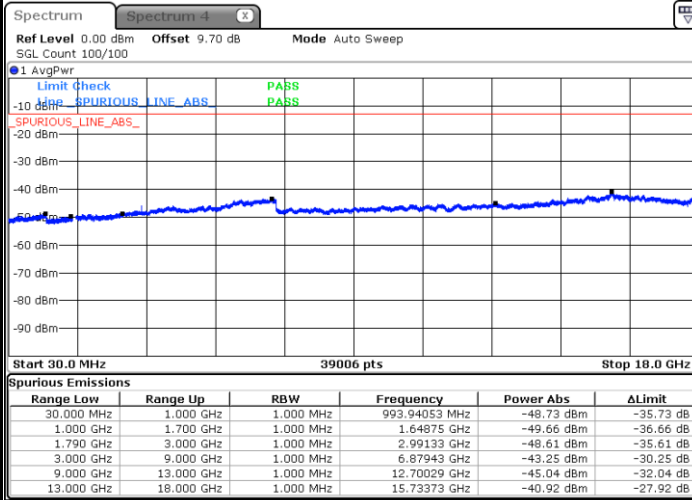




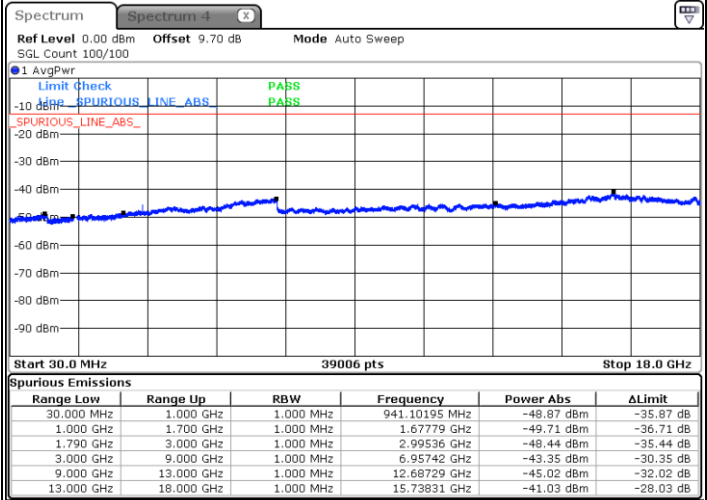
LTE Band 66 / 10MHz

Middle Channel / QPSK



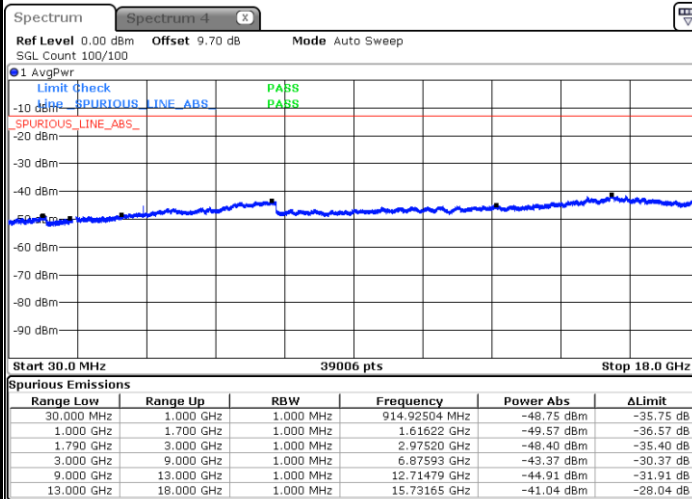
Date: 29.OCT.2019 14:16:33

Middle Channel / 16QAM



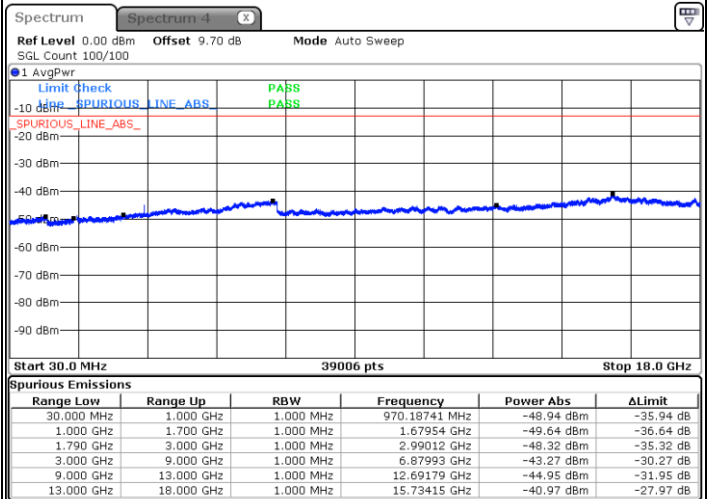
Date: 29.OCT.2019 14:15:55

Highest Channel / QPSK



Date: 29.OCT.2019 14:21:53

Highest Channel / 16QAM

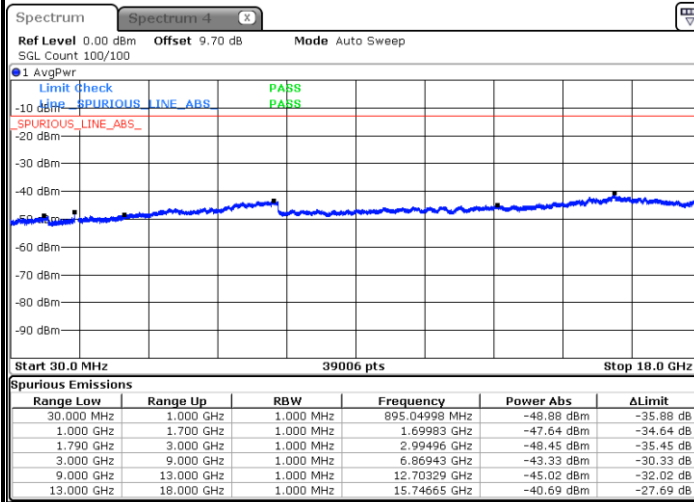


Date: 29.OCT.2019 14:23:03



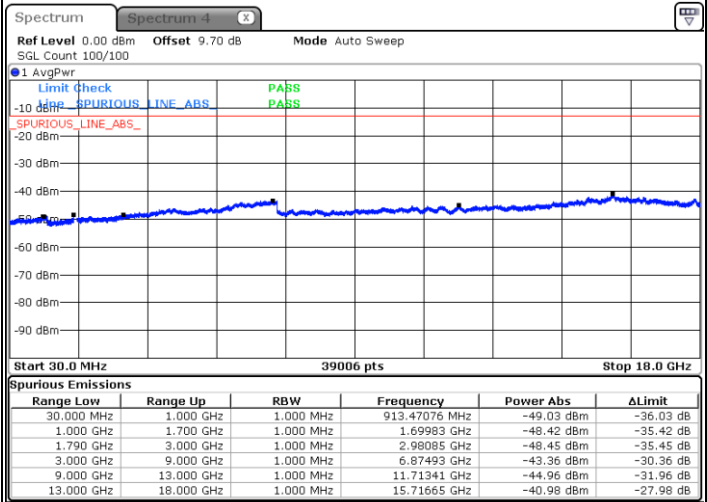
LTE Band 66 / 15MHz

Lowest Channel / QPSK



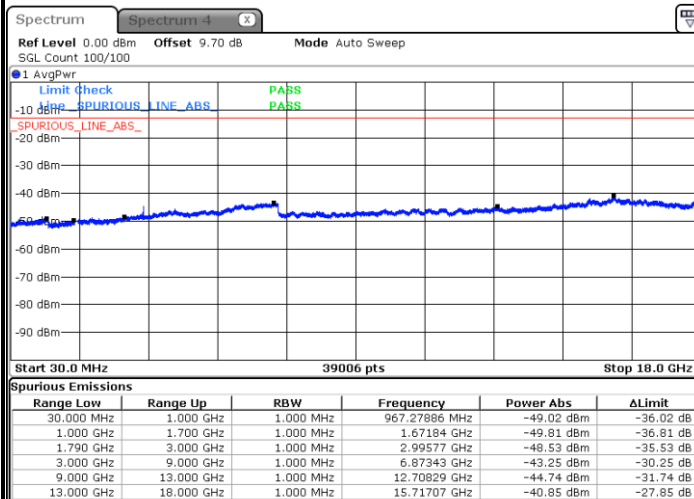
Date: 29.OCT.2019 14:29:16

Lowest Channel / 16QAM



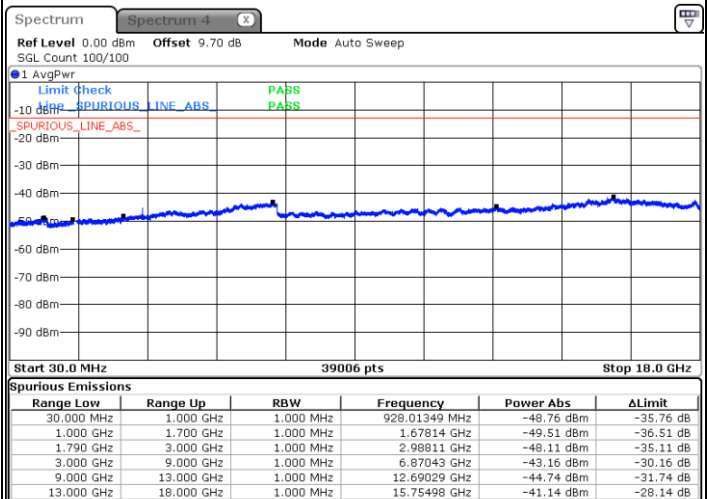
Date: 29.OCT.2019 14:30:06

Middle Channel / QPSK



Date: 29.OCT.2019 14:34:48

Middle Channel / 16QAM

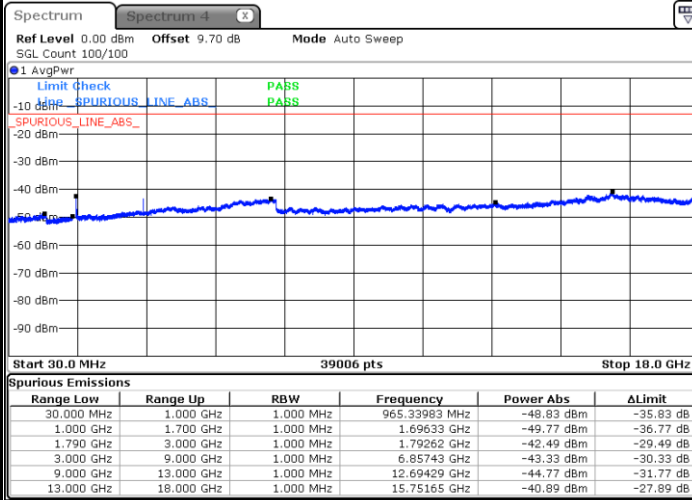


Date: 29.OCT.2019 14:34:10



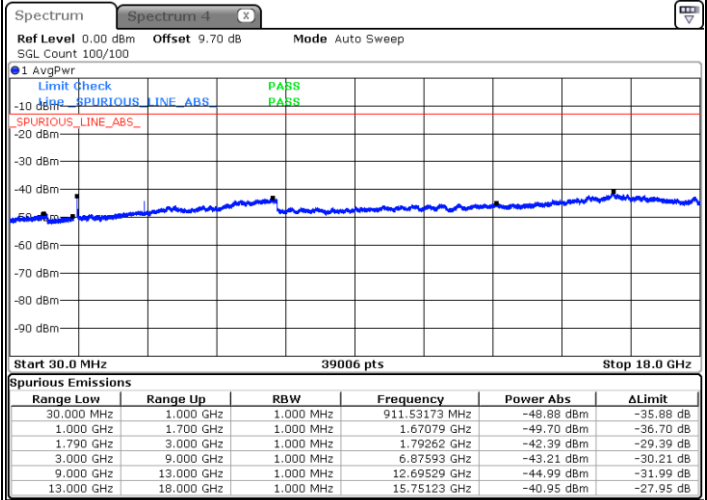
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 29.OCT.2019 14:40:48

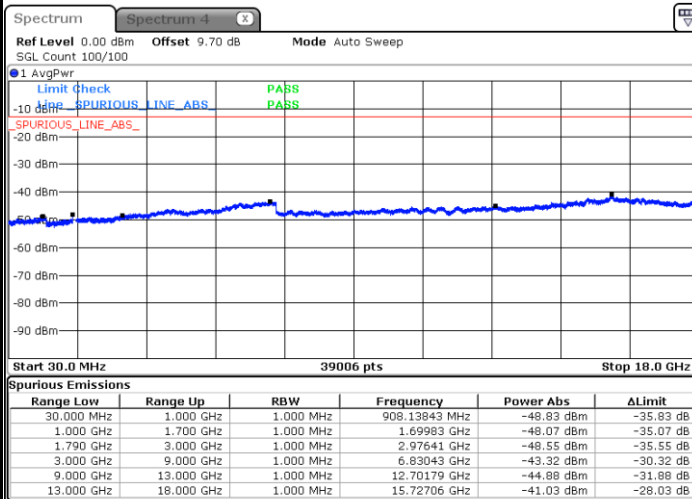
Highest Channel / 16QAM



Date: 29.OCT.2019 14:41:30

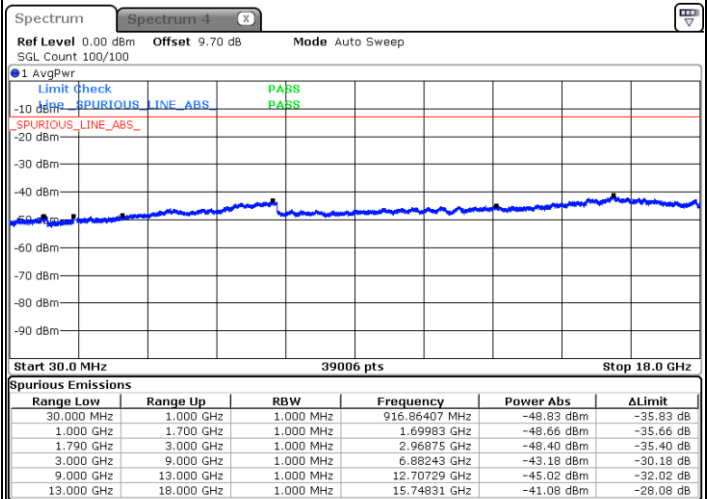
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 29.OCT.2019 14:50:29

Lowest Channel / 16QAM

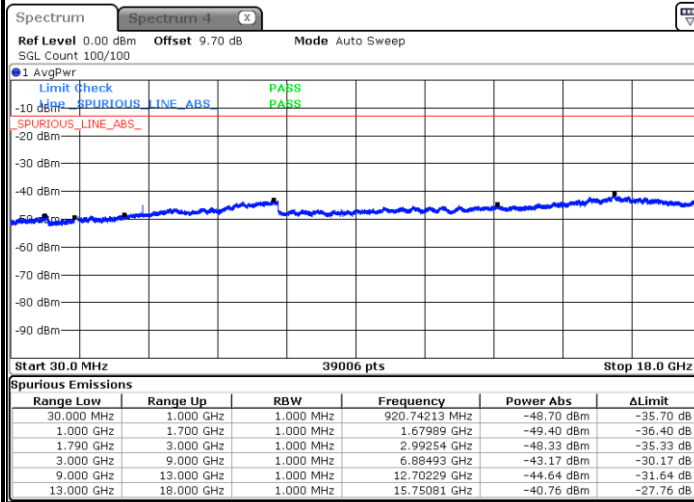


Date: 29.OCT.2019 14:51:31



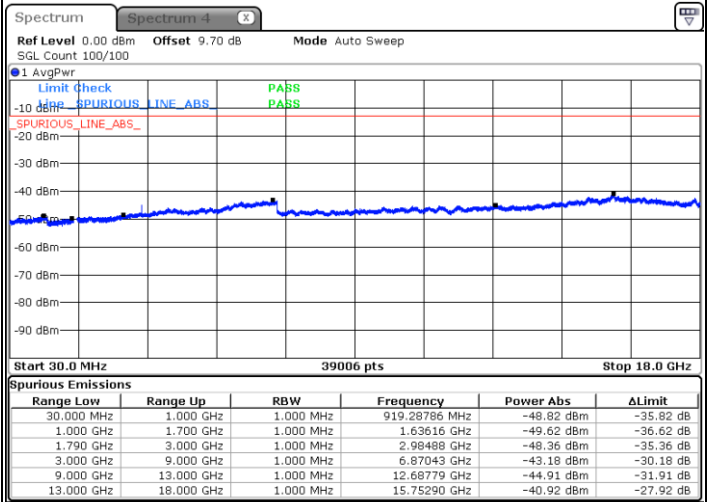
LTE Band 66 / 20MHz

Middle Channel / QPSK



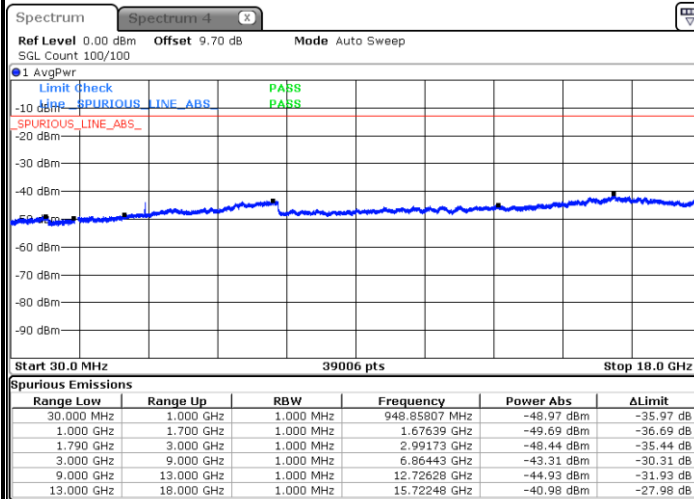
Date: 29.OCT.2019 14:59:20

Middle Channel / 16QAM



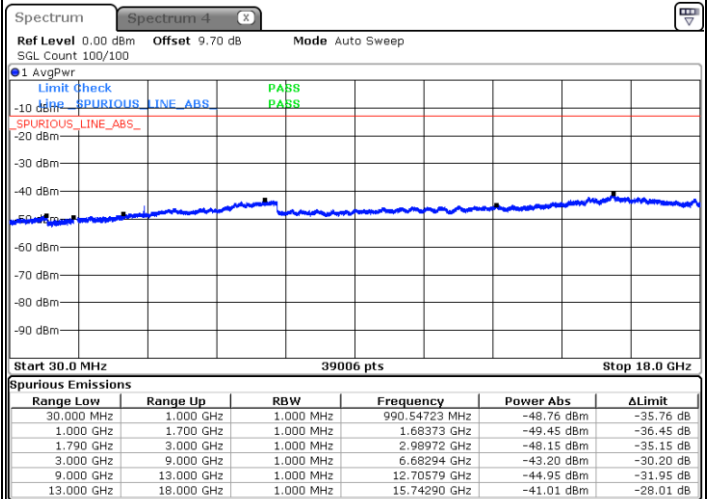
Date: 29.OCT.2019 15:00:01

Highest Channel / QPSK



Date: 29.OCT.2019 15:08:44

Highest Channel / 16QAM

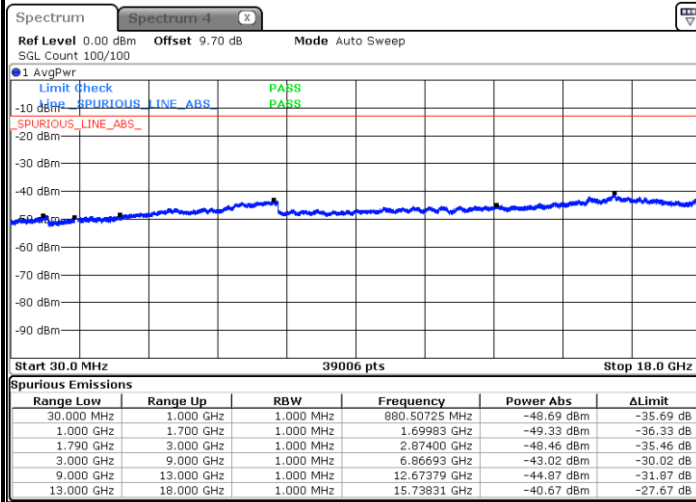


Date: 29.OCT.2019 15:05:08



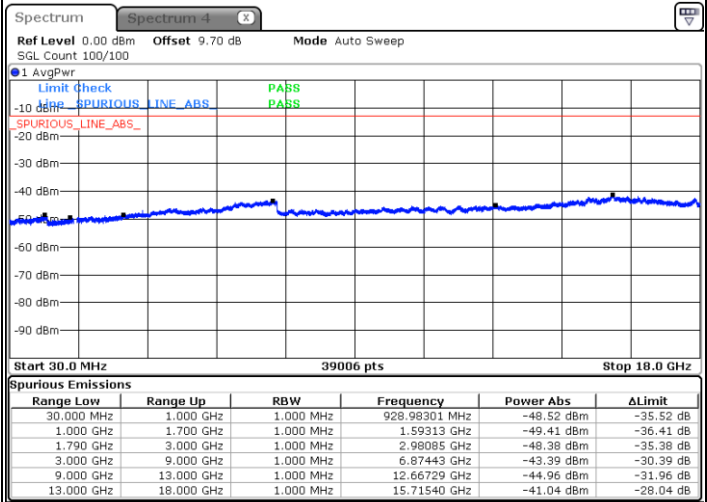
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



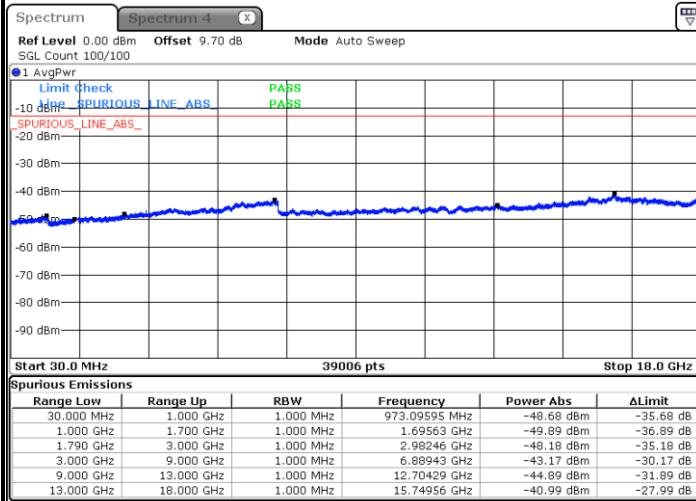
Date: 29.OCT.2019 11:27:03

Middle Channel / 64QAM



Date: 29.OCT.2019 11:31:52

Highest Channel / 64QAM

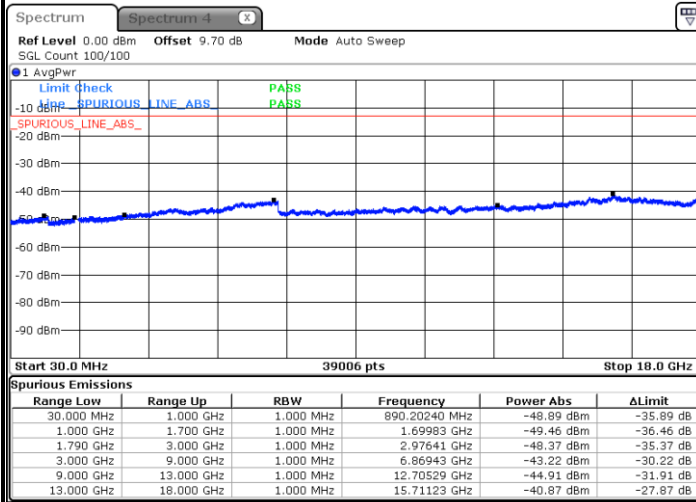


Date: 29.OCT.2019 11:33:00



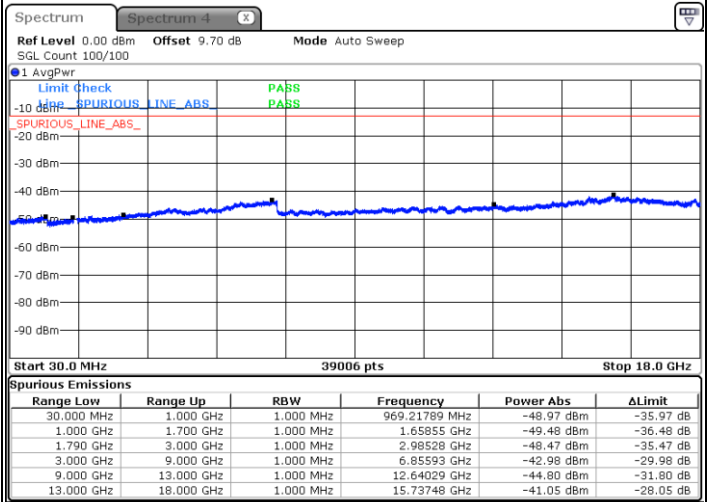
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



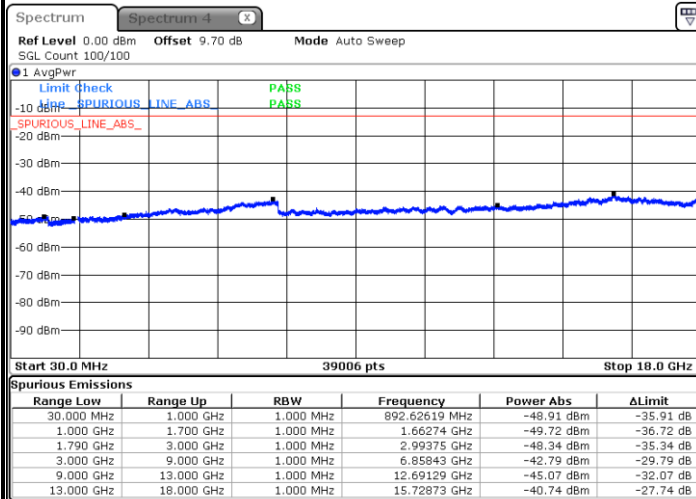
Date: 29.OCT.2019 11:48:25

Middle Channel / 64QAM



Date: 29.OCT.2019 11:49:21

Highest Channel / 64QAM

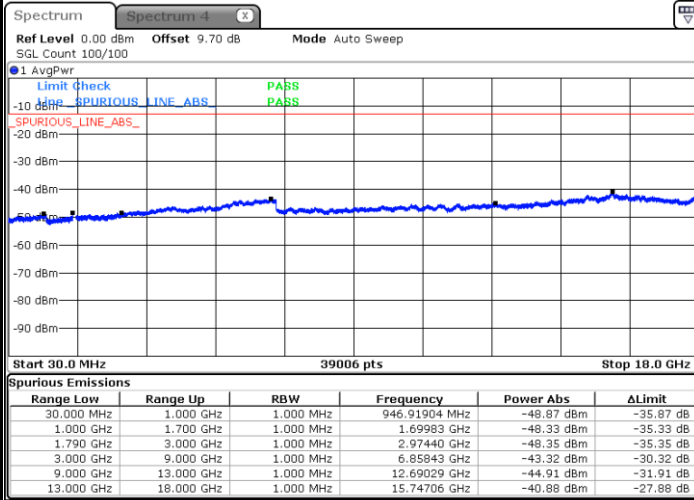


Date: 29.OCT.2019 13:36:13



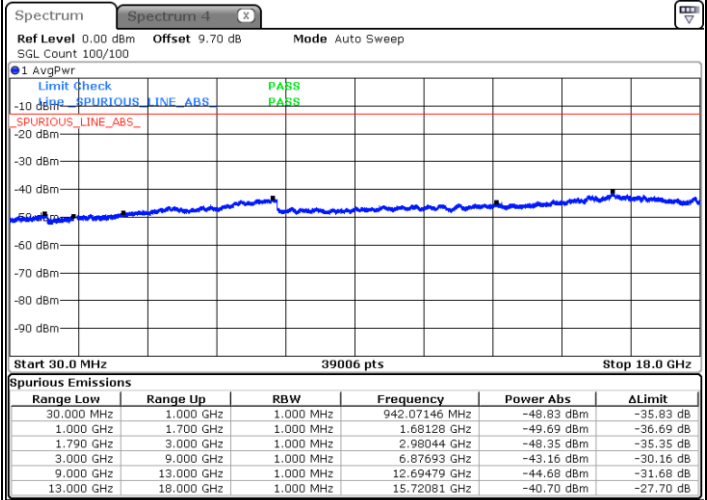
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



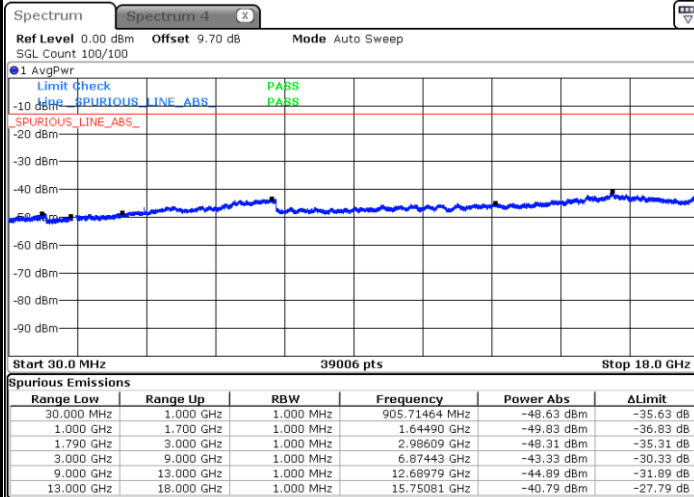
Date: 29.OCT.2019 13:47:16

Middle Channel / 64QAM



Date: 29.OCT.2019 13:49:58

Highest Channel / 64QAM

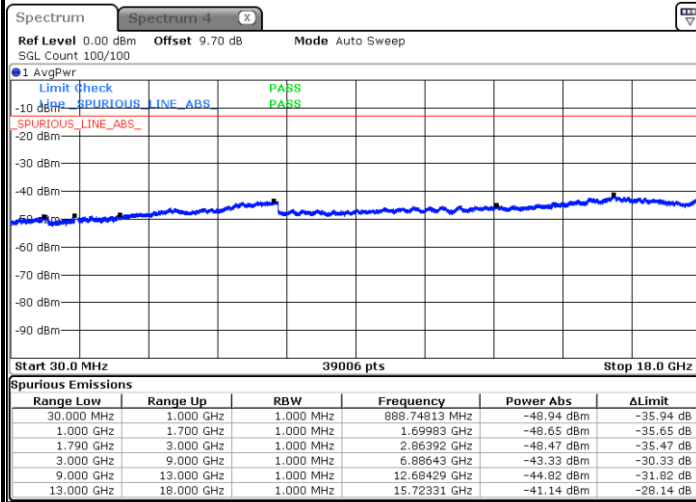


Date: 29.OCT.2019 13:58:57



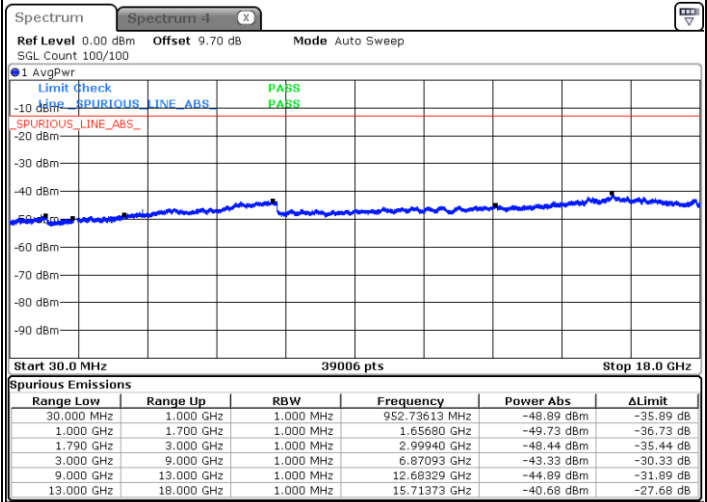
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



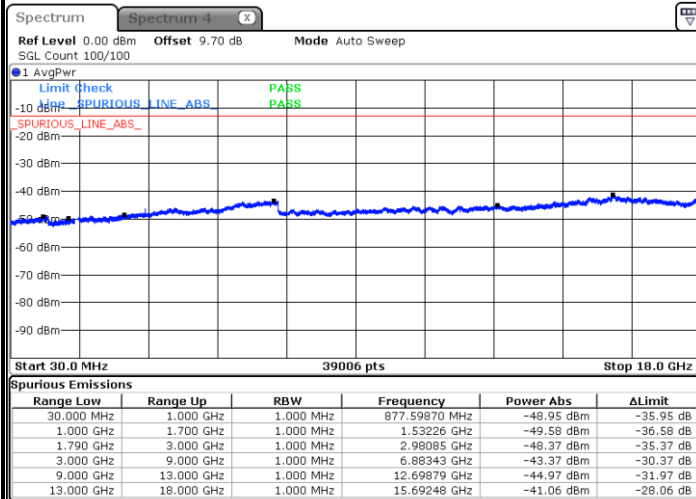
Date: 29.OCT.2019 14:11:58

Middle Channel / 64QAM



Date: 29.OCT.2019 14:15:12

Highest Channel / 64QAM

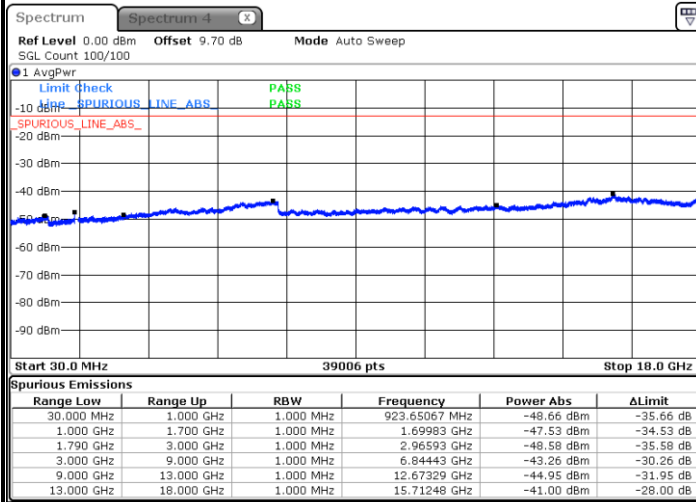


Date: 29.OCT.2019 14:23:45



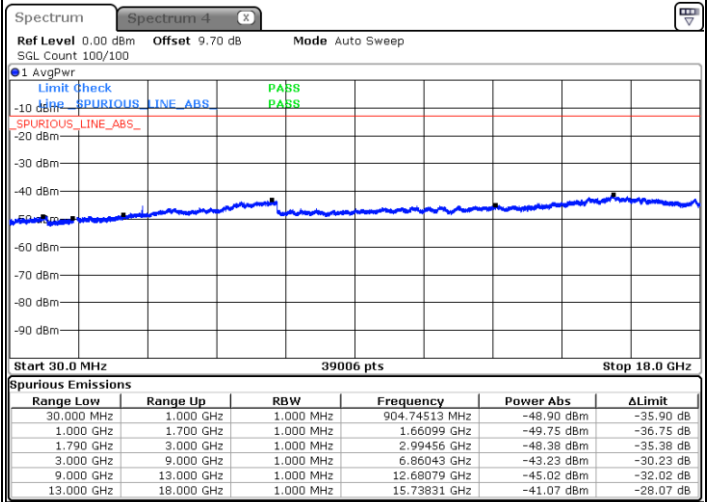
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



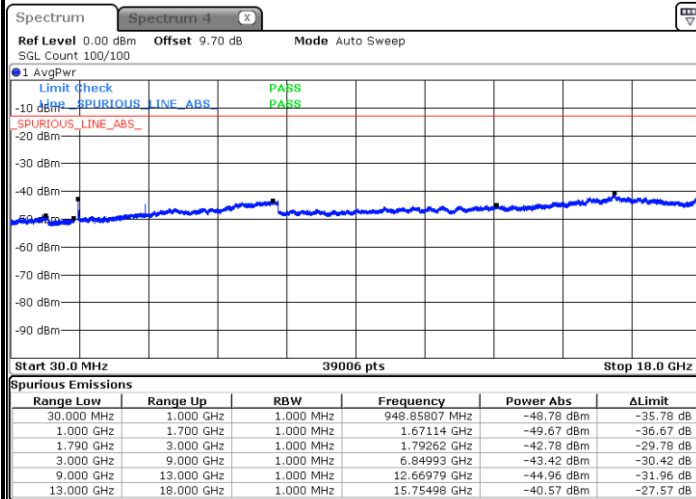
Date: 29.OCT.2019 14:30:58

Middle Channel / 64QAM



Date: 29.OCT.2019 14:33:33

Highest Channel / 64QAM

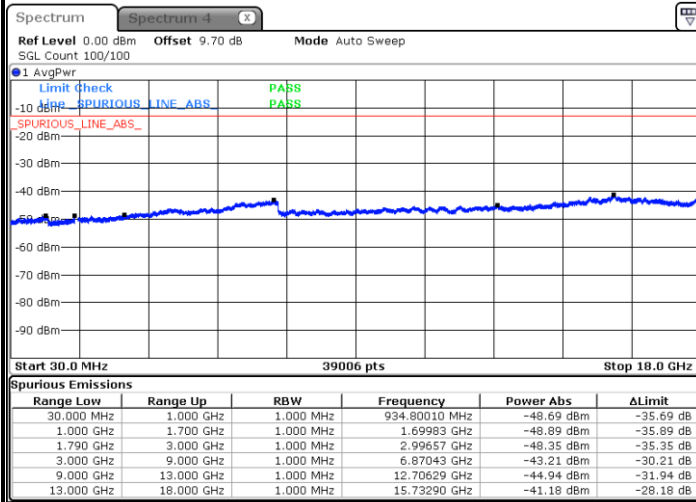


Date: 29.OCT.2019 14:42:08



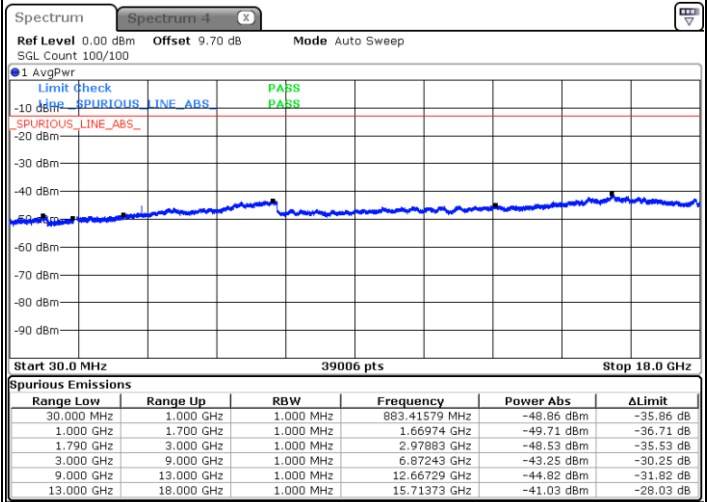
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



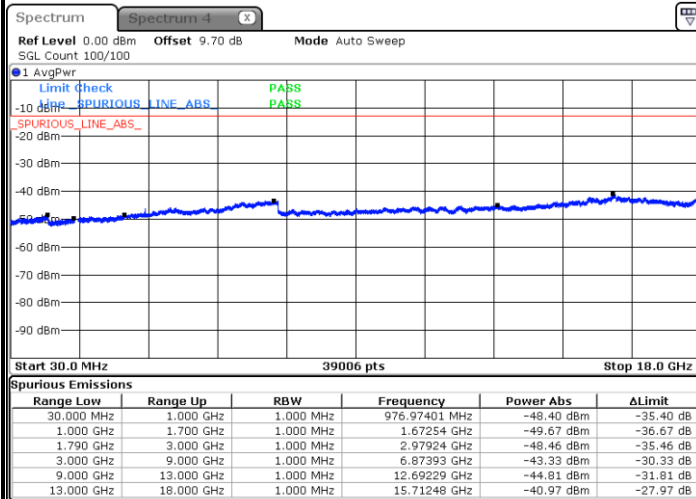
Date: 29.OCT.2019 14:52:18

Middle Channel / 64QAM



Date: 29.OCT.2019 15:00:42

Highest Channel / 64QAM



Date: 29.OCT.2019 15:04:06

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	0.0032	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 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	-57.32	-13	-44.32	-69.58	2.641	14.90	H
	5613	-55.92	-13	-42.92	-67.78	2.94	14.80	H
	7488	-50.14	-13	-37.14	-59.91	3.39	13.16	H
	3741	-57.22	-13	-44.22	-69.48	2.64	14.90	V
	5613	-55.18	-13	-42.18	-67.04	2.94	14.80	V
	7488	-49.78	-13	-36.78	-59.55	3.39	13.16	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	-64.54	-13	-51.54	-71.51	1.58	10.70	H
	2496	-39.69	-13	-26.69	-47.94	2.102	12.50	H
	3330	-64.03	-13	-51.03	-72.92	2.856	13.90	H
	1664	-64.01	-13	-51.01	-70.98	1.58	10.70	V
	2496	-41.14	-13	-28.14	-49.39	2.10	12.50	V
	3330	-63.77	-13	-50.77	-72.66	2.86	13.90	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	-63.76	-25	-38.76	-73.97	3.03	13.24	H
	7578.27	-59.86	-25	-34.86	-69.31	3.56	13.01	H
	10100	-57.39	-25	-32.39	-66.91	3.92	13.44	H
	5052	-46.50	-25	-21.50	-56.71	3.03	13.24	V
	7580	-43.03	-25	-18.03	-52.48	3.56	13.01	V
	10100	-58.18	-25	-33.18	-67.70	3.92	13.44	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-67.64	-13	-54.64	-74.61	1.58	10.70	H
	2109.27	-66.67	-13	-53.67	-74.92	2.102	12.50	H
	2812	-63.64	-13	-50.64	-72.53	2.856	13.90	H
	1406	-68.14	-13	-55.14	-75.11	1.58	10.70	V
	2109.27	-66.78	-13	-53.78	-75.03	2.10	12.50	V
	2812	-64.06	-13	-51.06	-72.95	2.86	13.90	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	-61.73	-13	-48.73	-72.47	2.604	13.34	H
	5208	-56.40	-13	-43.40	-66.91	3.011	13.52	H
	6948	-52.58	-13	-39.58	-62.78	3.271	13.47	H
	3471	-61.59	-13	-48.59	-72.33	2.604	13.34	V
	5208	-56.30	-13	-43.30	-66.81	3.011	13.52	V
	6948	-52.21	-13	-39.21	-62.41	3.271	13.47	V

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