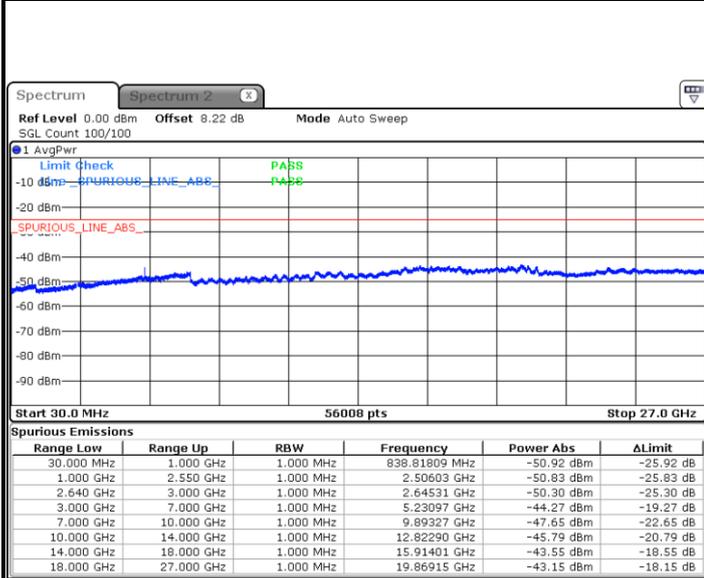




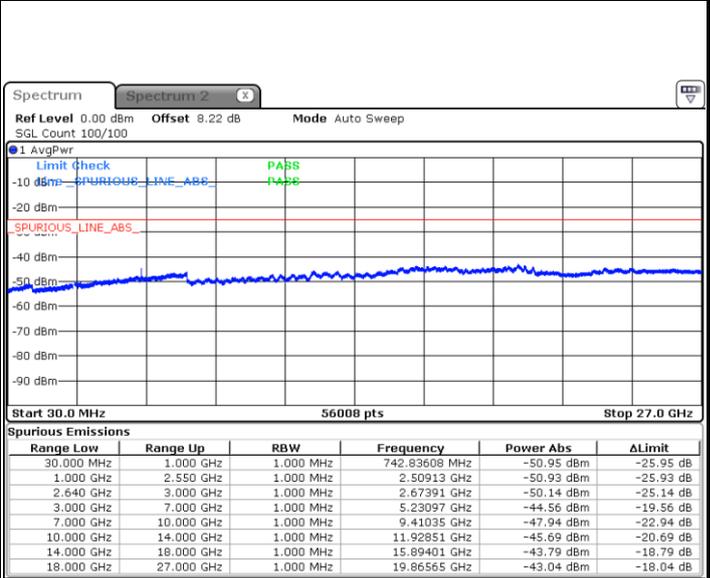
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 28 FEB 2020 00:58:13

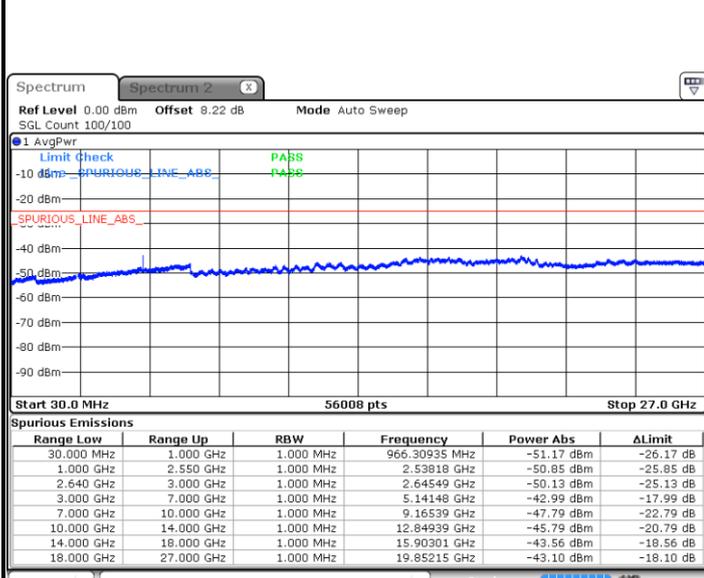
Highest Channel / 16QAM



Date: 28 FEB 2020 00:59:08

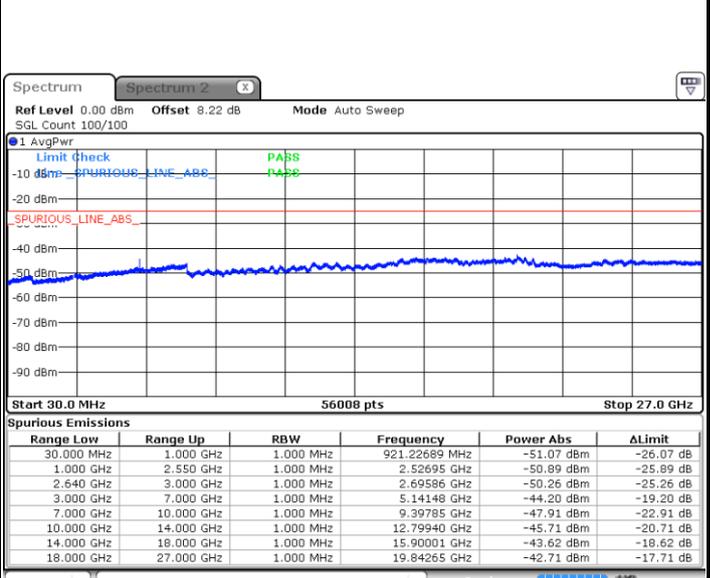
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 28 FEB 2020 01:00:03

Lowest Channel / 16QAM



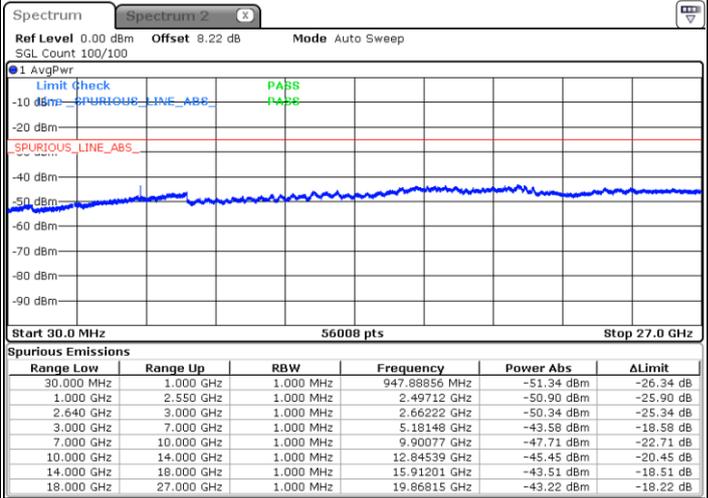
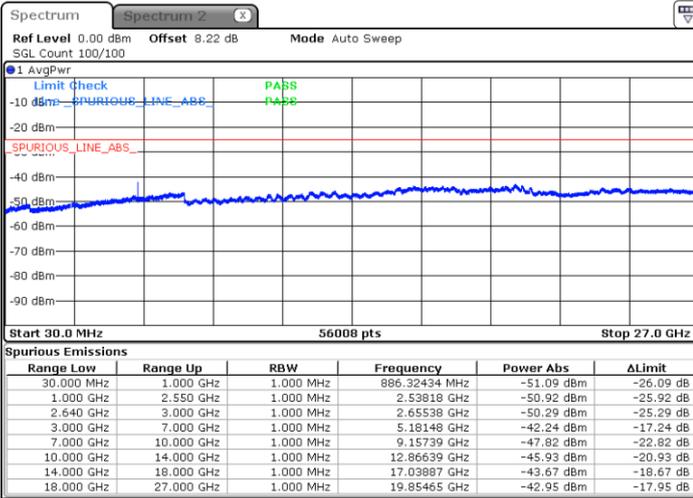
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LTE Band 38 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

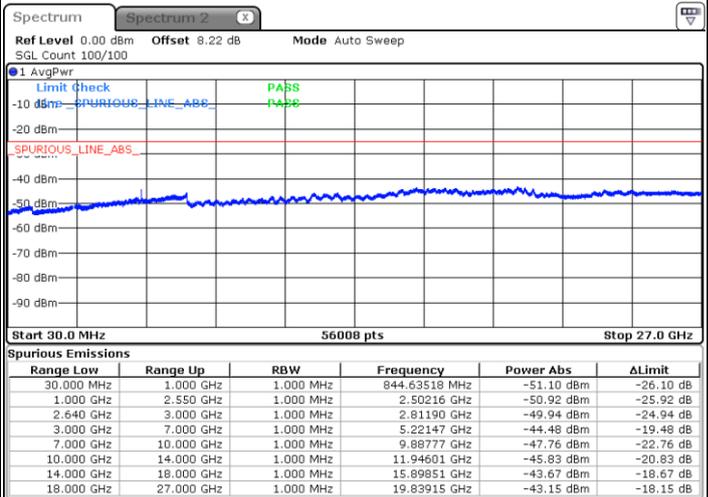
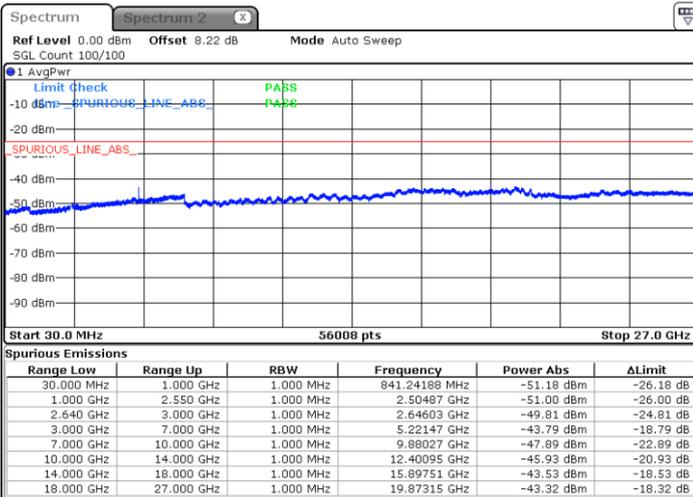


Date: 28 FEB 2020 01:01:52

Date: 28 FEB 2020 01:02:47

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28 FEB 2020 01:03:42

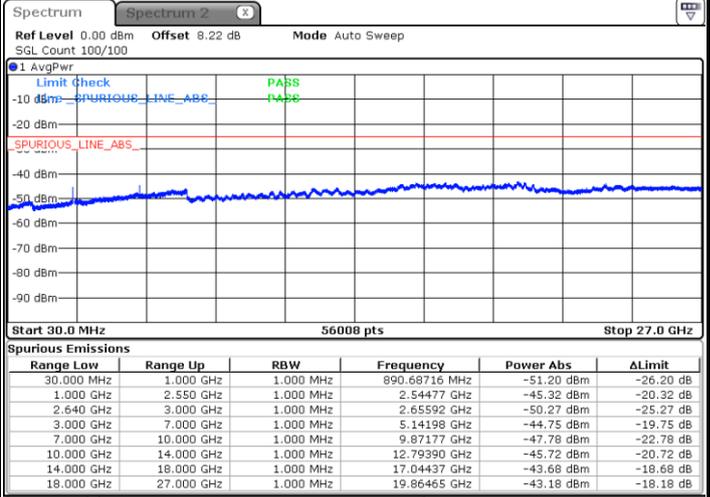
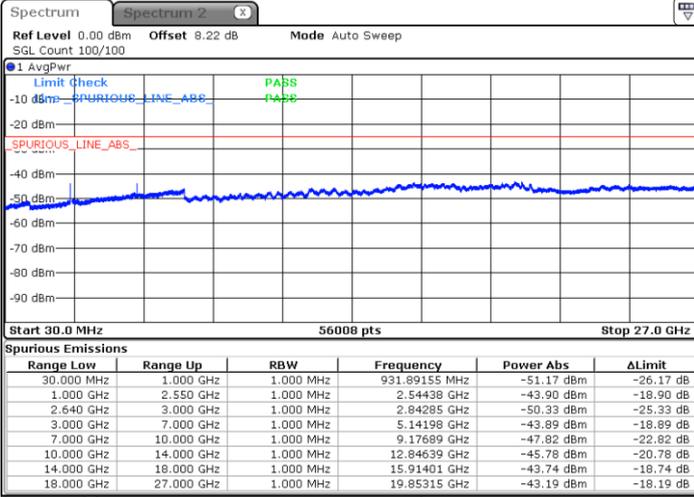
Date: 28 FEB 2020 01:04:36



LTE Band 38 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

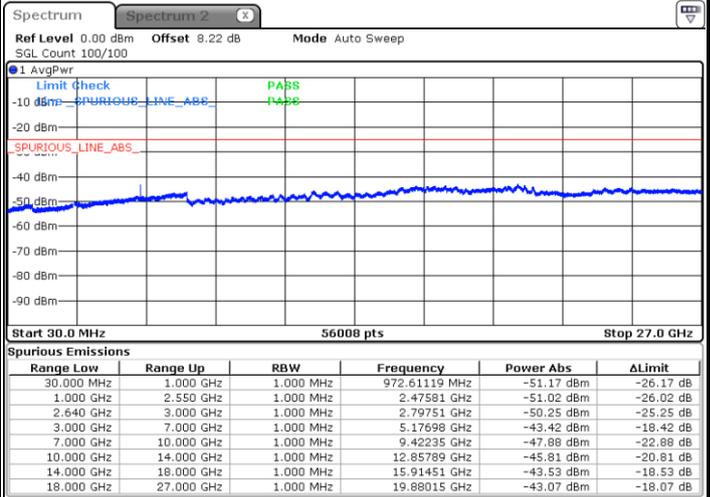
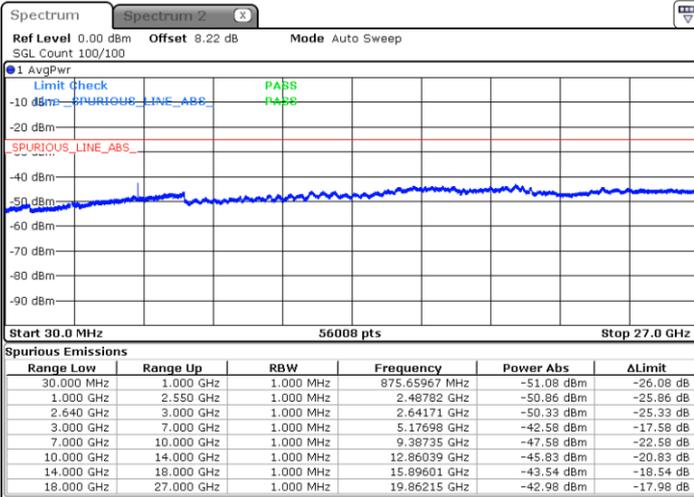


Date: 28 FEB 2020 01:05:31

Date: 28 FEB 2020 01:06:26

Middle Channel / QPSK

Middle Channel / 16QAM



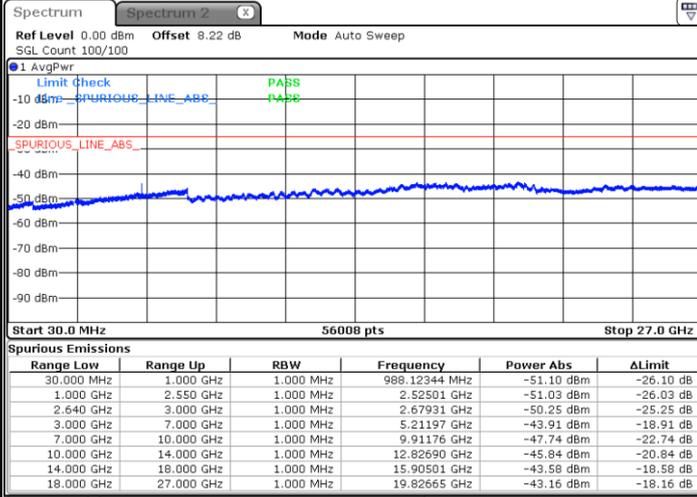
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Date: 28 FEB 2020 01:08:16



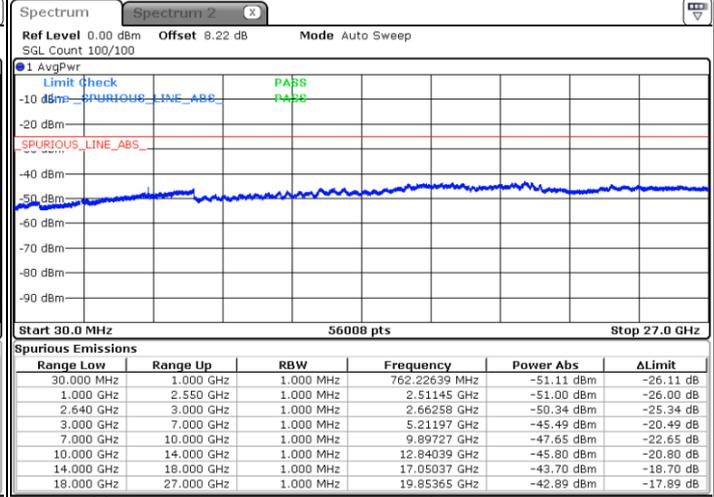
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 28 FEB 2020 01:09:11

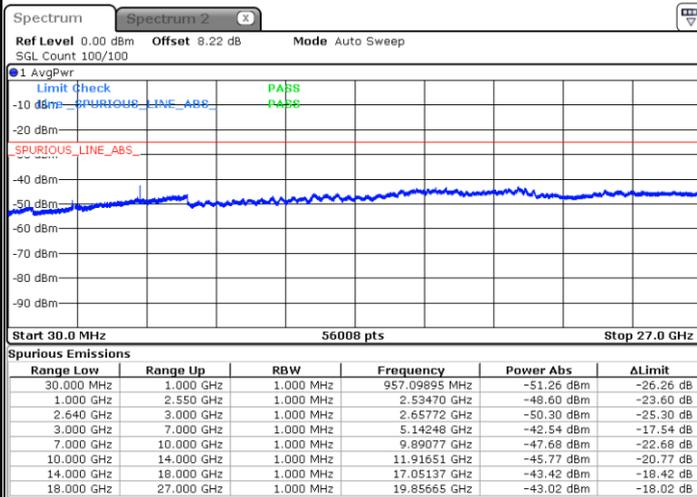
Highest Channel / 16QAM



Date: 28 FEB 2020 01:10:05

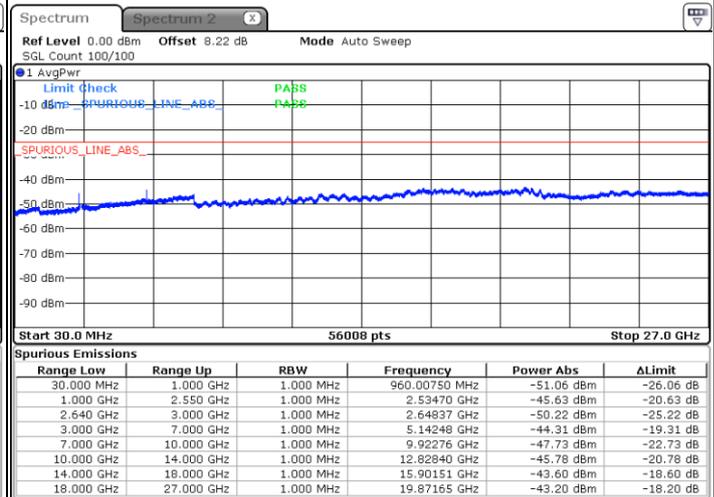
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 28 FEB 2020 01:11:00

Lowest Channel / 16QAM



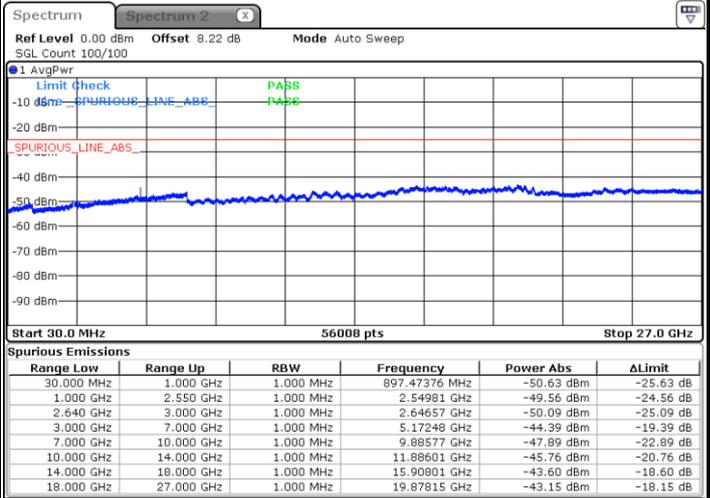
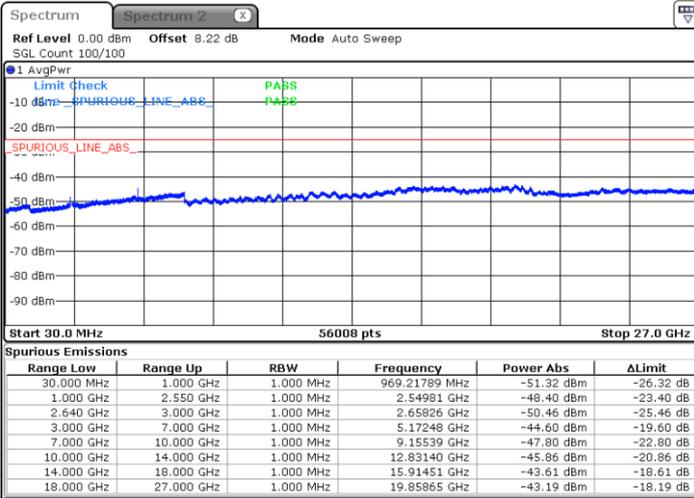
Date: 28 FEB 2020 01:11:55



LTE Band 38 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

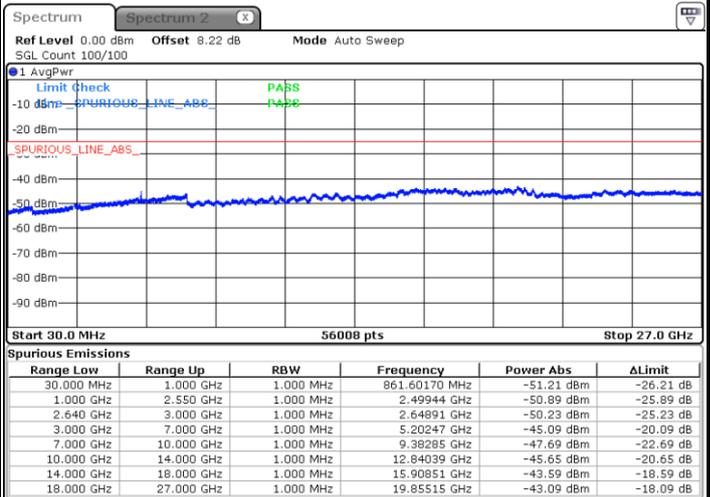
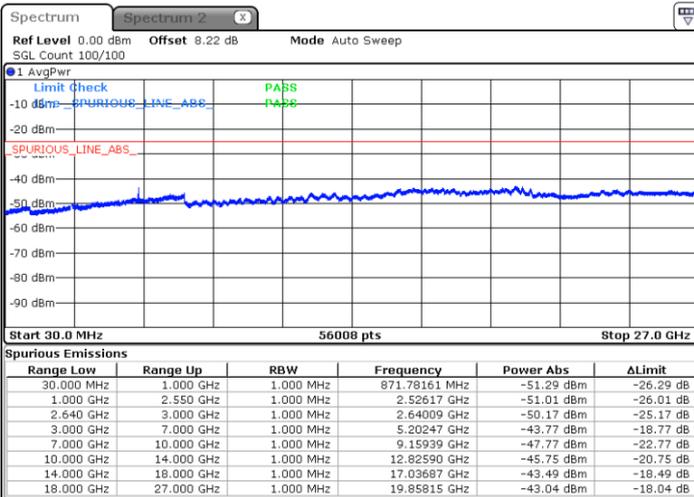


Date: 28 FEB 2020 01:12:50

Date: 28 FEB 2020 01:13:45

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28 FEB 2020 01:14:40

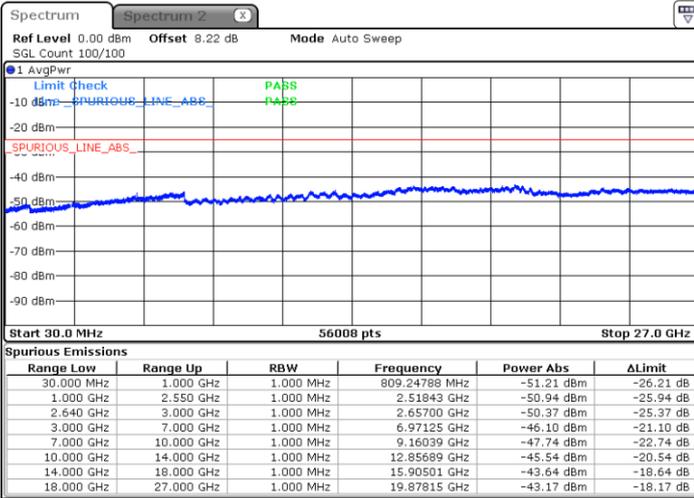
Date: 28 FEB 2020 01:15:35



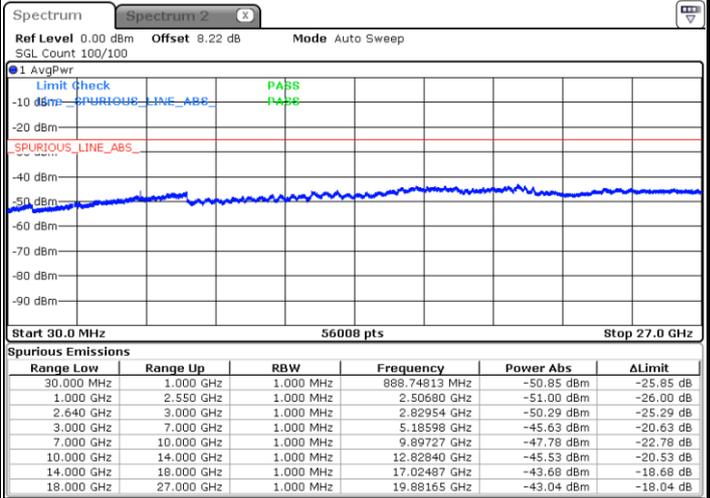
LTE Band 38 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

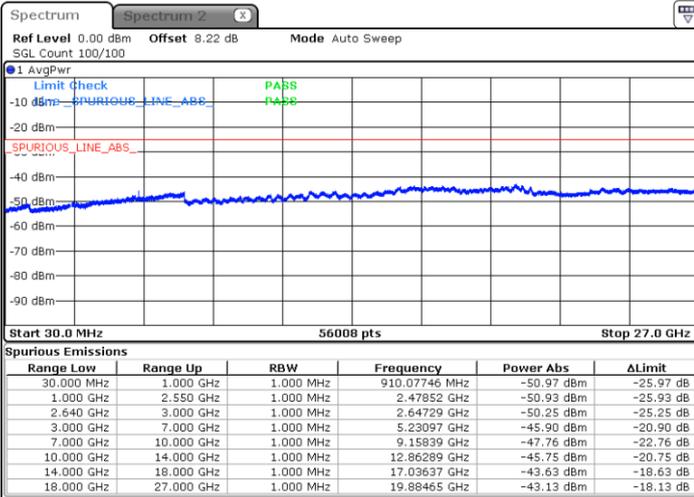


Date: 28 FEB 2020 01:16:30



Date: 28 FEB 2020 01:17:42

Highest Channel / 64QAM



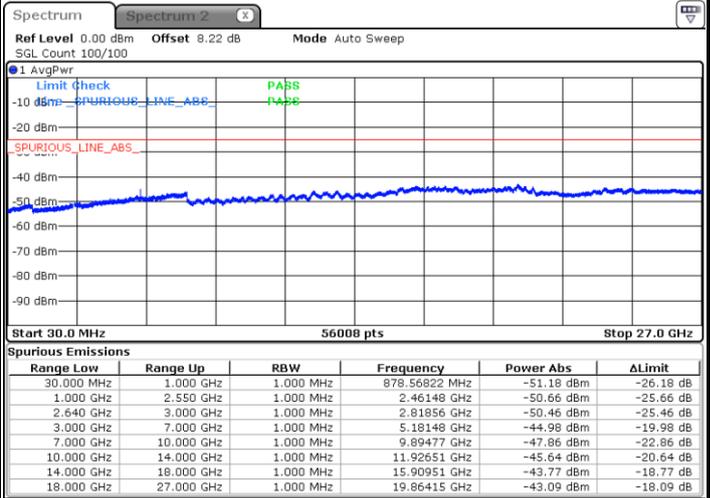
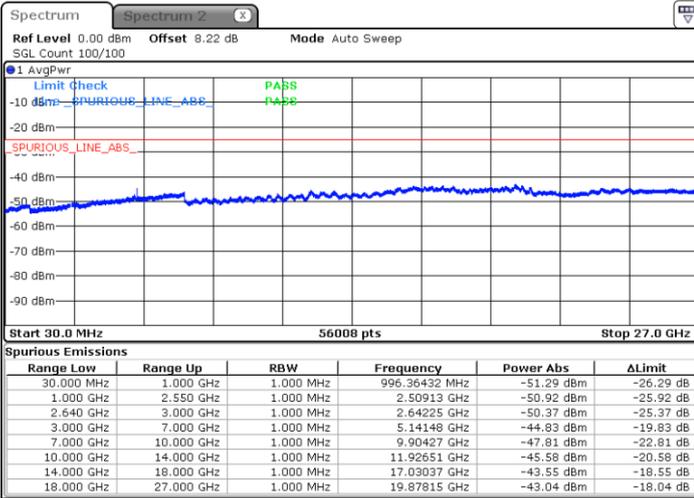
Date: 28 FEB 2020 01:18:36



LTE Band 38 / 10MHz

Lowest Channel / 64QAM

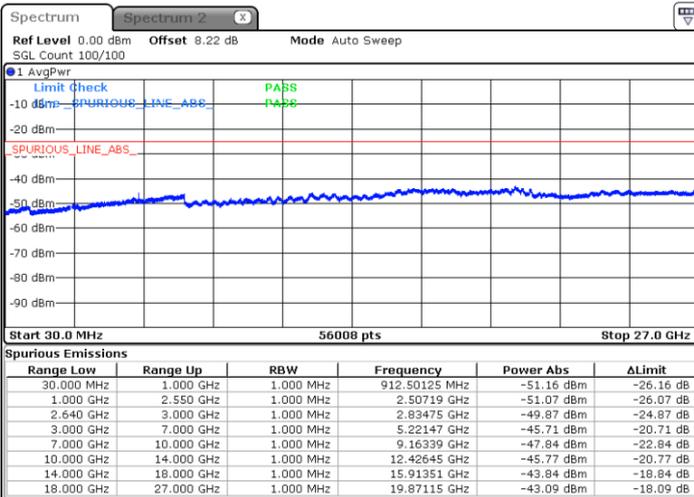
Middle Channel / 64QAM



Date: 28 FEB 2020 01:19:31

Date: 28 FEB 2020 01:20:26

Highest Channel / 64QAM



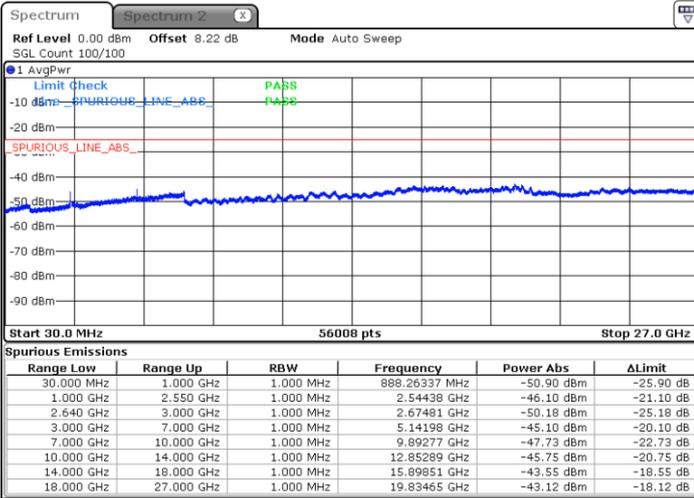
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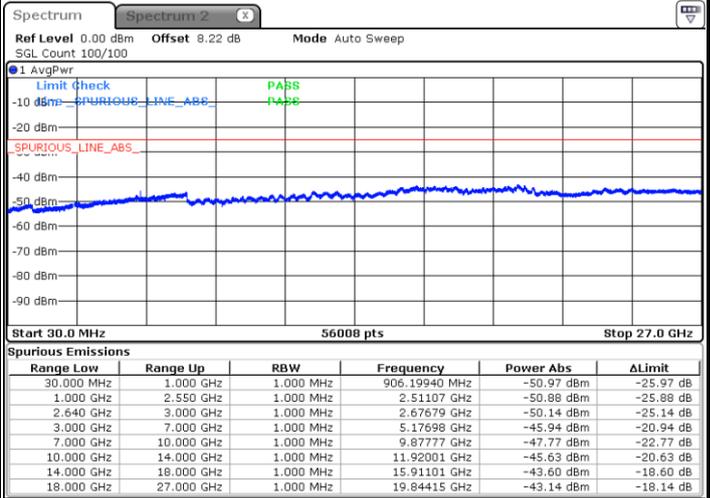
LTE Band 38 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

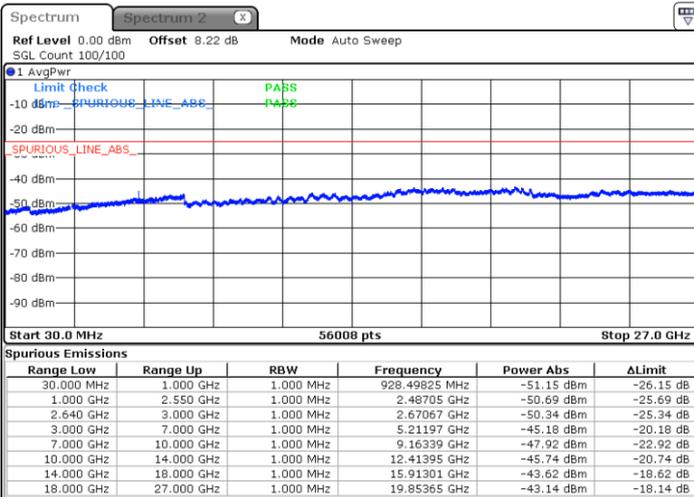


Date: 28 FEB 2020 01:22:16



Date: 28 FEB 2020 01:23:11

Highest Channel / 64QAM



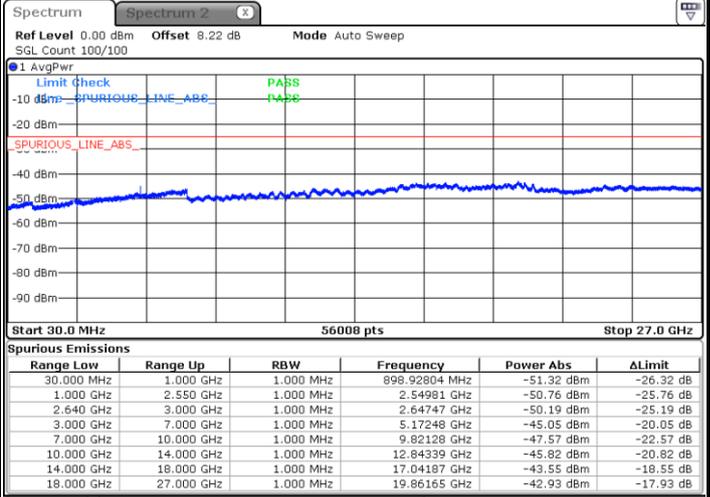
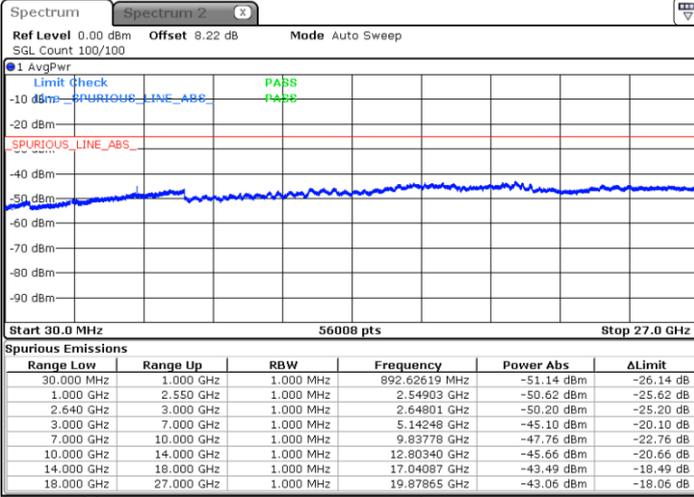
Date: 28 FEB 2020 01:24:06



LTE Band 38 / 20MHz

Lowest Channel / 64QAM

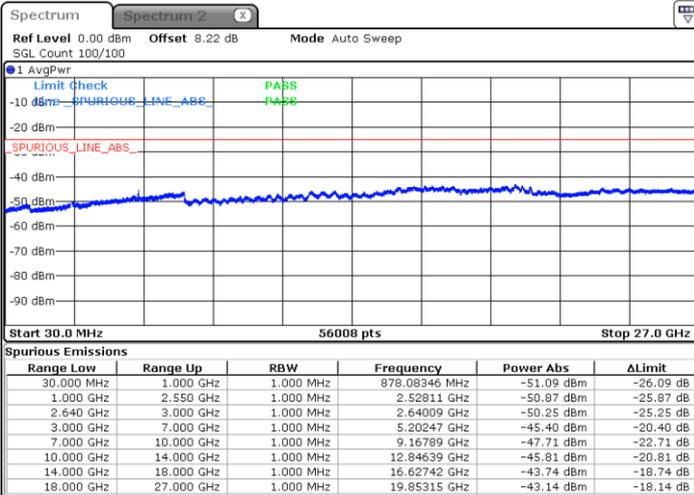
Middle Channel / 64QAM



Date: 28 FEB 2020 01:25:01

Date: 28 FEB 2020 01:25:56

Highest Channel / 64QAM



Date: 28 FEB 2020 01:26:50



Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0028	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0038	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0001	
20	Battery End Point	0.0024	

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.



Radiated Spurious Emission

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	5050	-56.59	-25	-31.59	-66.80	3.03	13.24	H
	7575	-61.43	-25	-36.43	-70.88	3.56	13.01	H
	10100	-57.53	-25	-32.53	-67.05	3.92	13.44	H
	5050	-53.00	-25	-28.00	-63.21	3.03	13.24	V
	7575	-61.08	-25	-36.08	-70.53	3.56	13.01	V
	10100	-57.90	-25	-32.90	-67.42	3.92	13.44	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	5170	-55.11	-25	-30.11	-65.32	3.03	13.24	H
	7760	-46.72	-25	-21.72	-56.17	3.56	13.01	H
	10340	-57.28	-25	-32.28	-66.80	3.92	13.44	H
	5170	-50.32	-25	-25.32	-60.53	3.03	13.24	V
	7760	-50.79	-25	-25.79	-60.24	3.56	13.01	V
	10340	-57.48	-25	-32.48	-67.00	3.92	13.44	V

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