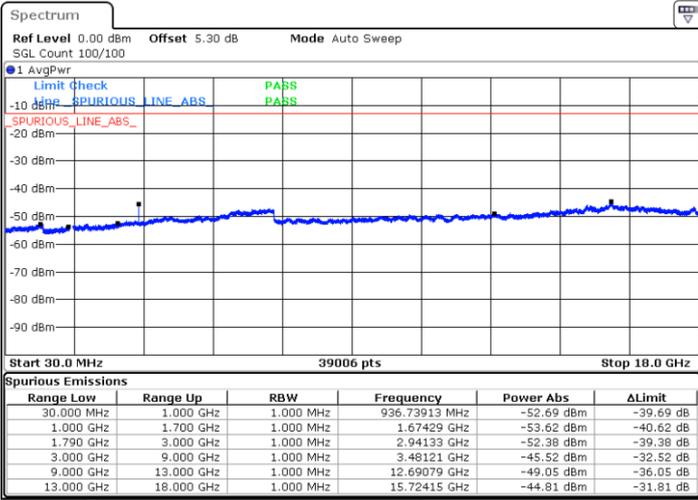




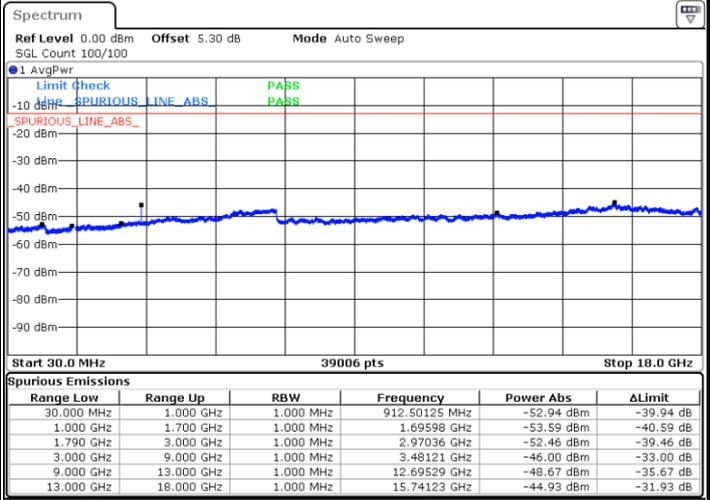
LTE Band 66 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



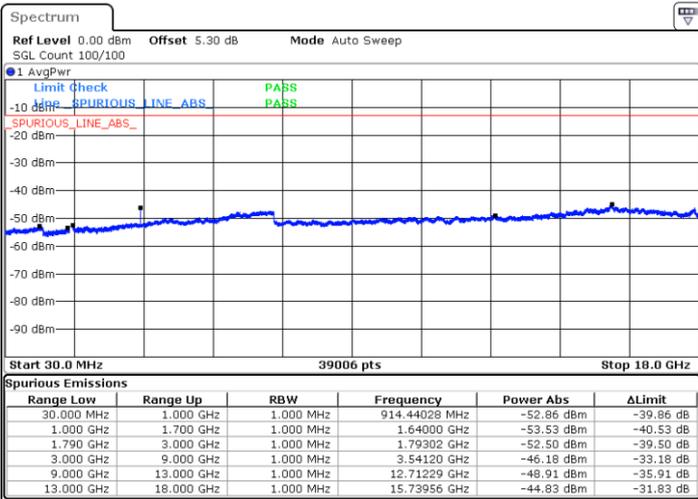
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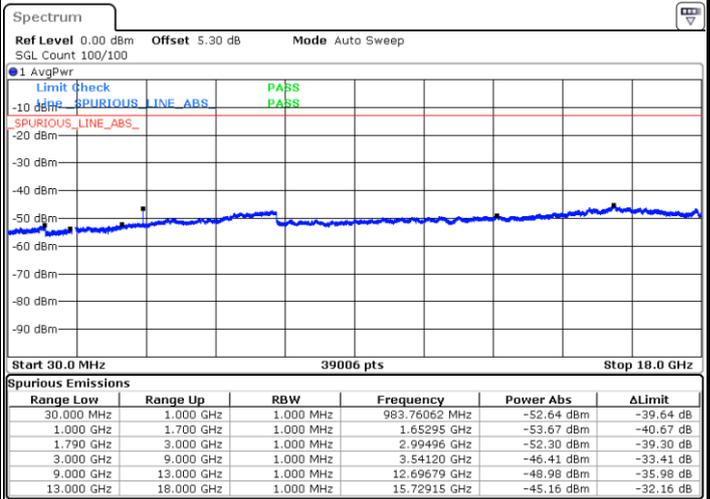
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Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27.JUN.2020 19:27:44



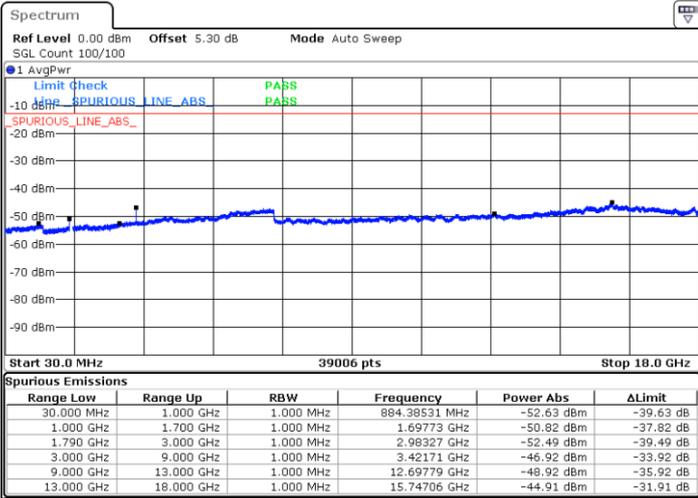
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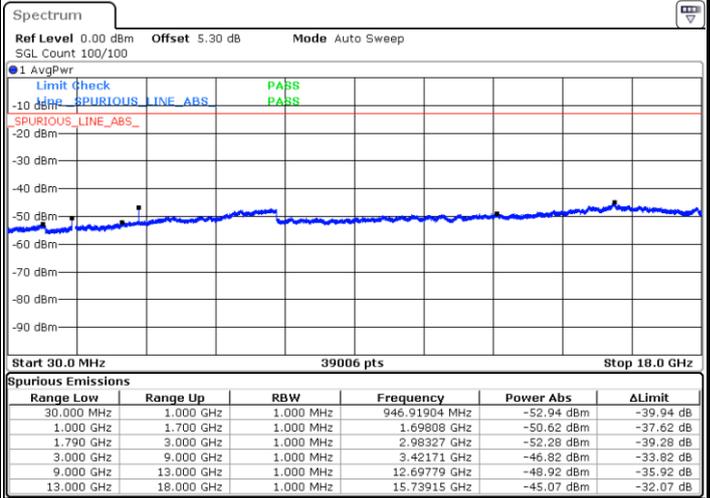
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



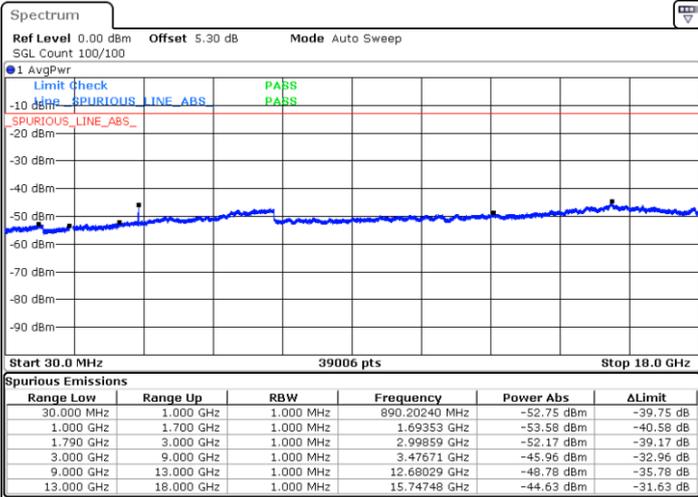
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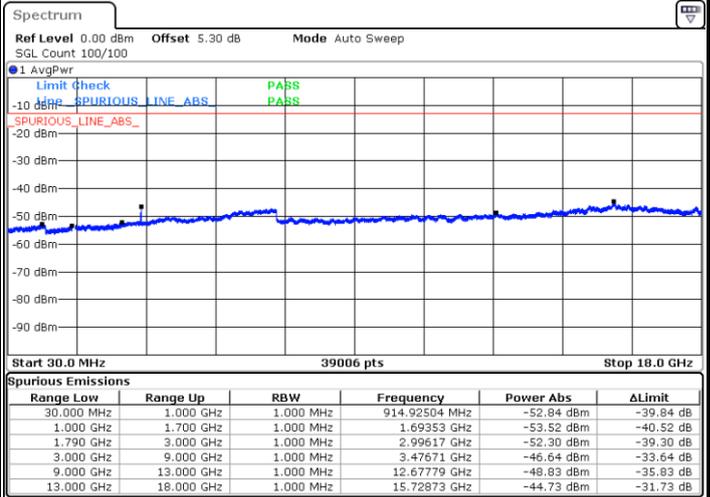
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Middle Channel / QPSK

Middle Channel / 16QAM



Date: 27.JUN.2020 19:38:46

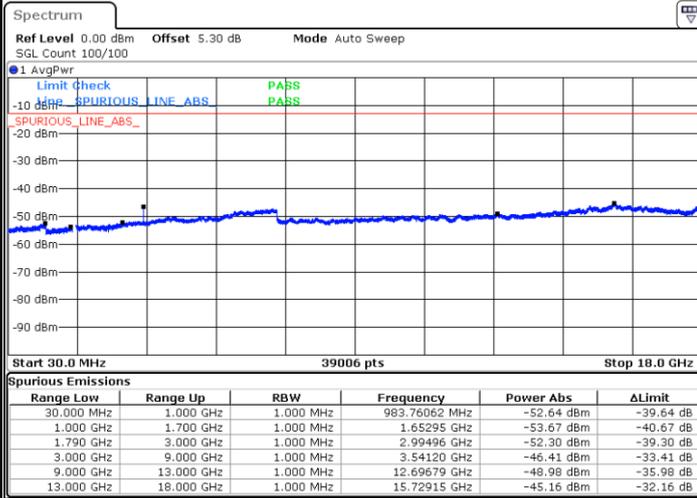


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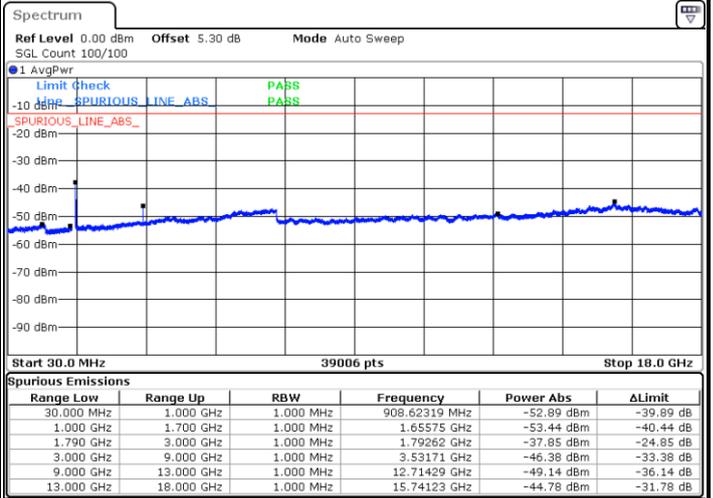
LTE Band 66 / 15MHz

Highest Channel / QPSK



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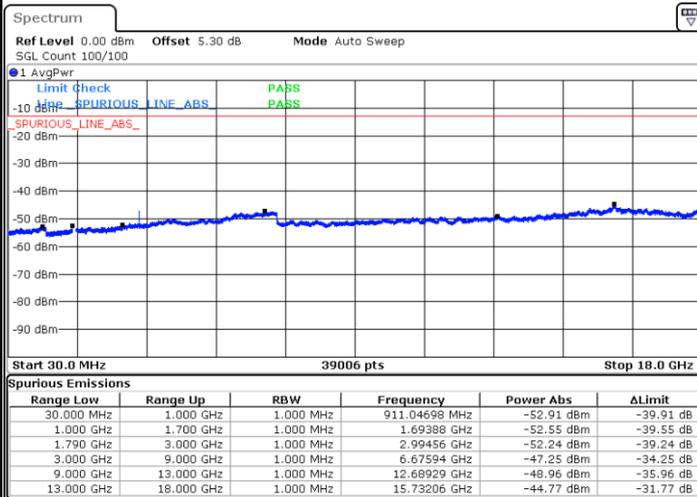
Highest Channel / 16QAM



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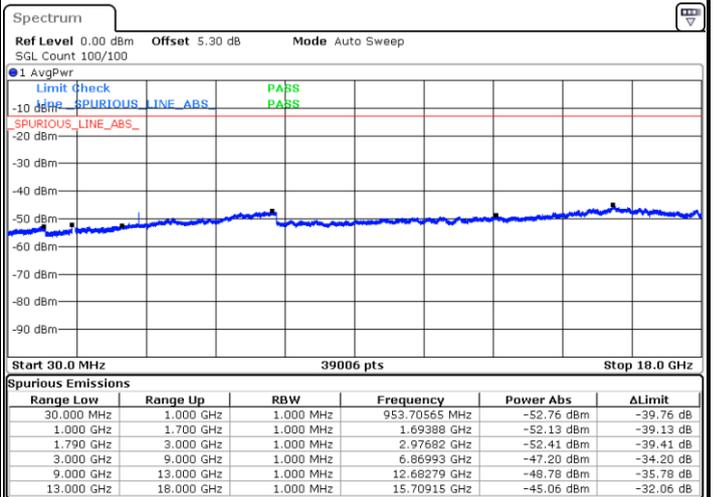
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 27.JUN.2020 20:05:56

Lowest Channel / 16QAM



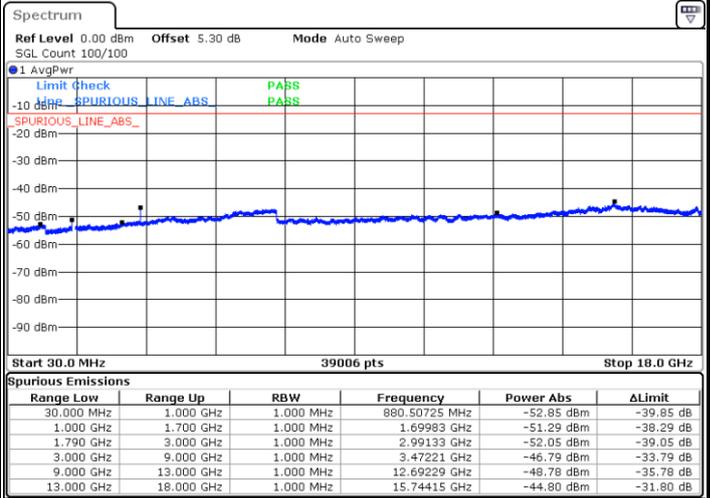
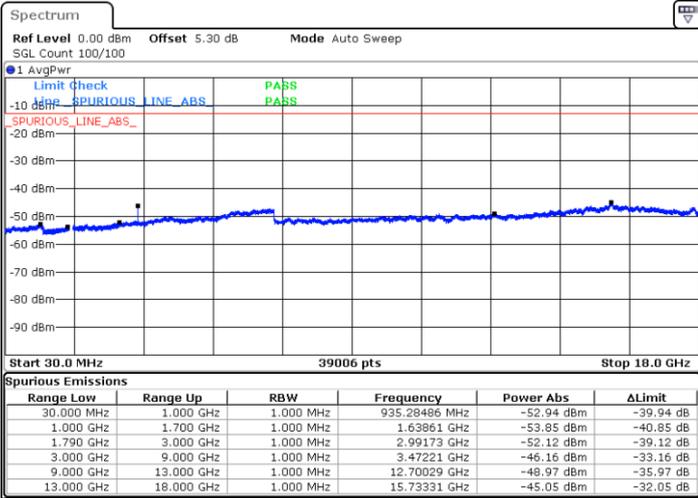
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LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

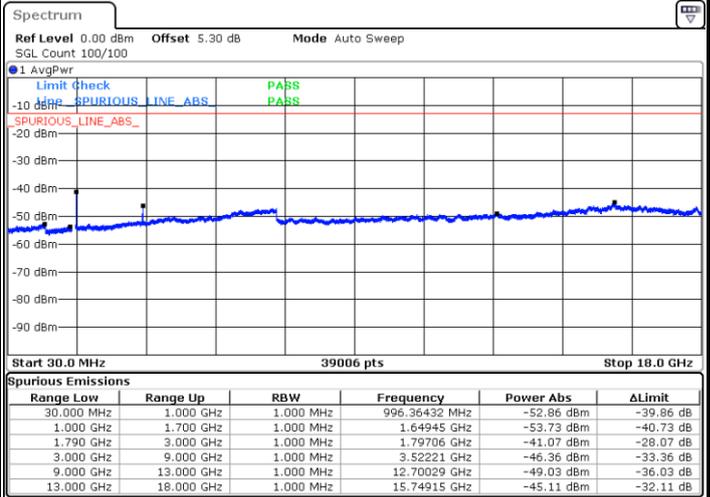
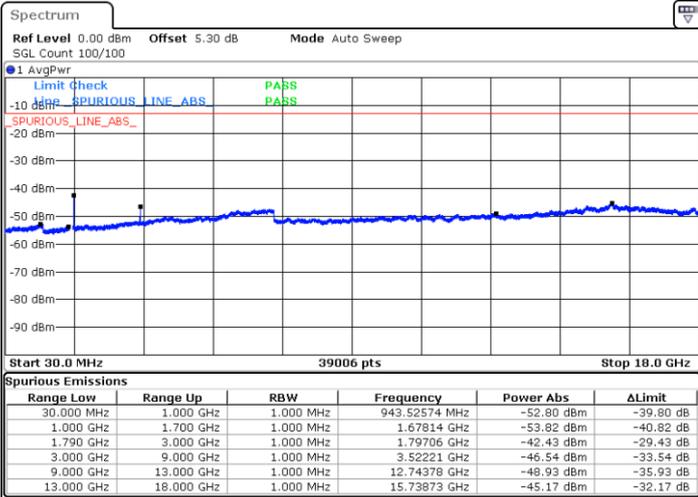


Date: 27. JUN. 2020 20:09:54

Date: 27. JUN. 2020 20:10:47

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27. JUN. 2020 20:35:22

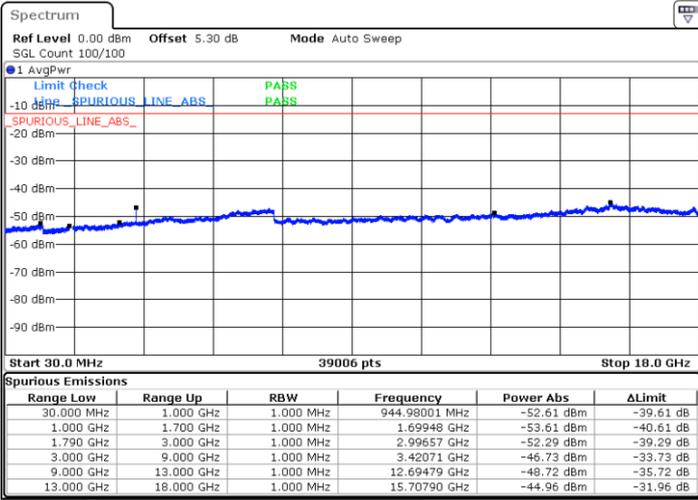
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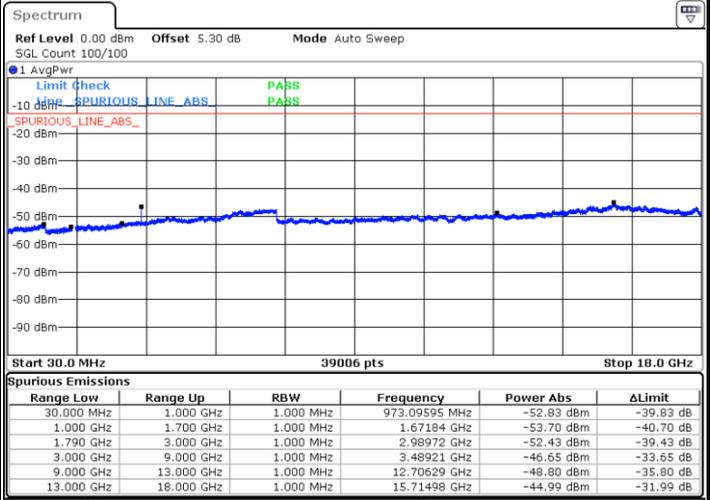
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

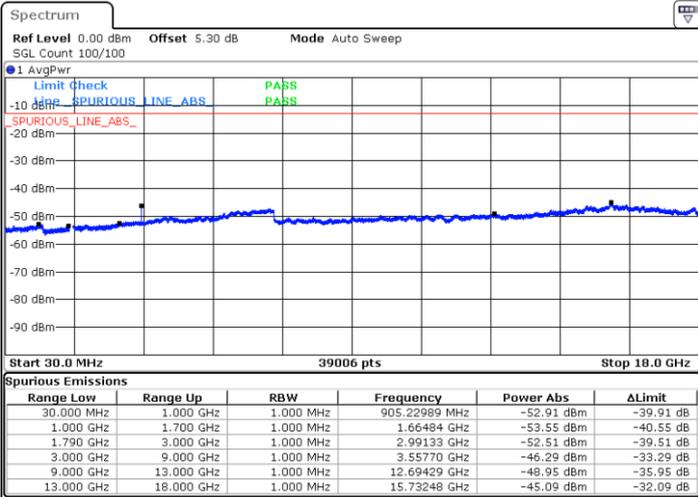


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Date: 27.JUN.2020 18:19:37

Highest Channel / 64QAM



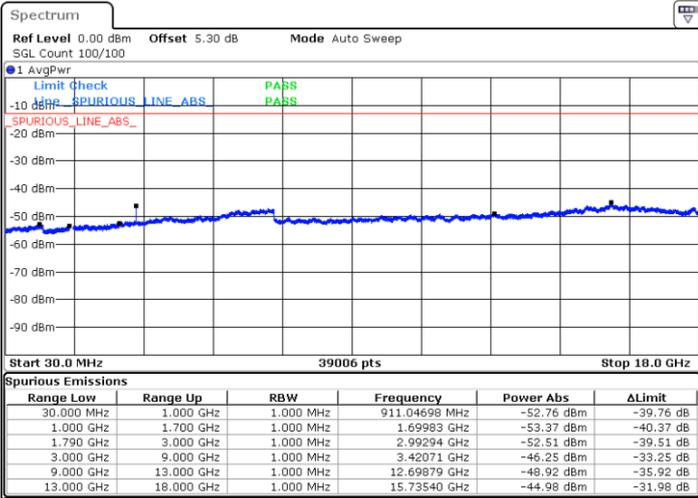
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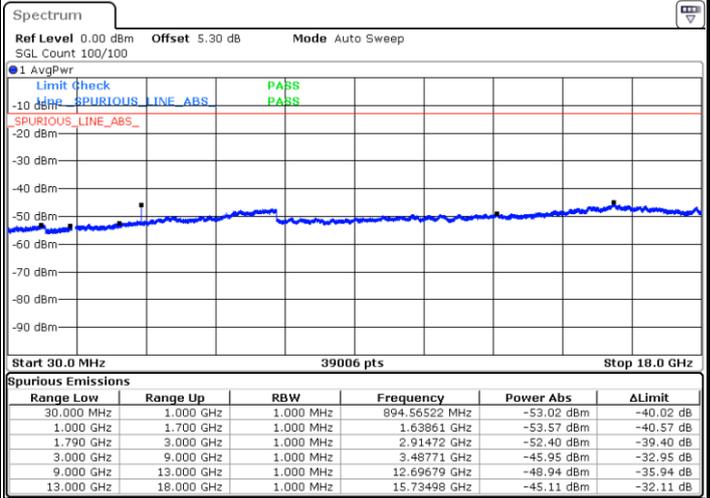
LTE Band 66 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

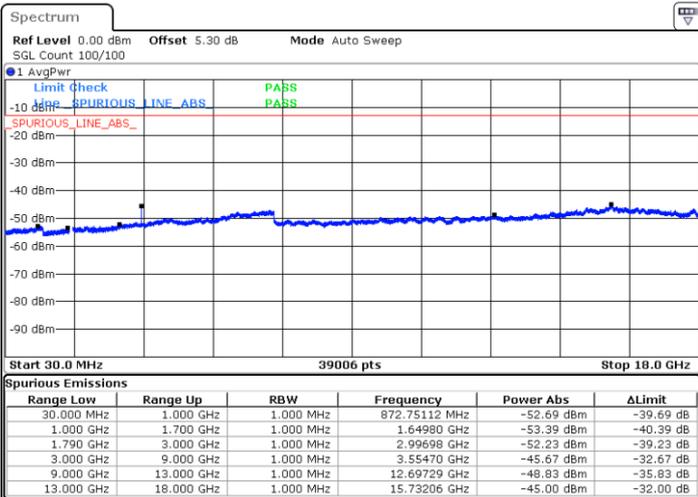


Date: 27.JUN.2020 18:44:04



Date: 27.JUN.2020 18:46:33

Highest Channel / 64QAM



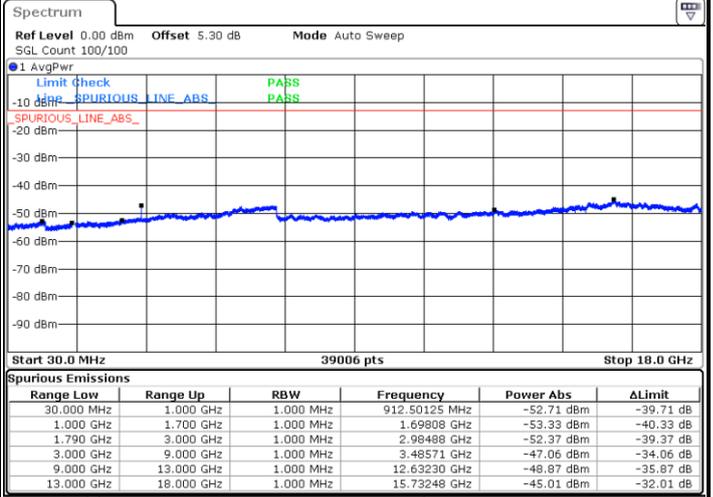
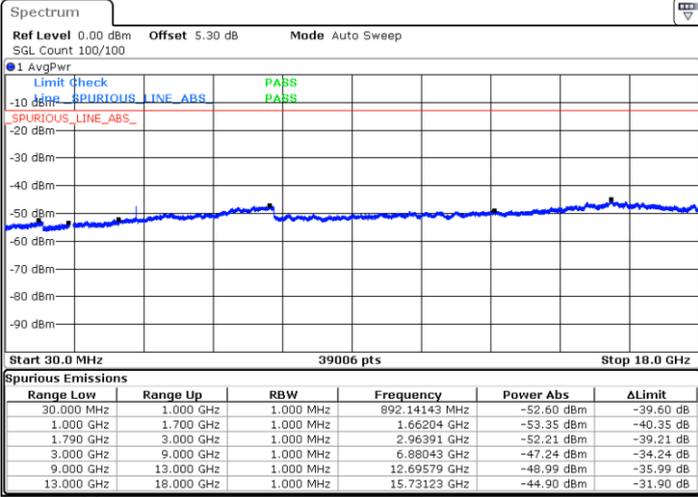
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LTE Band 66 / 5MHz

Lowest Channel / 64QAM

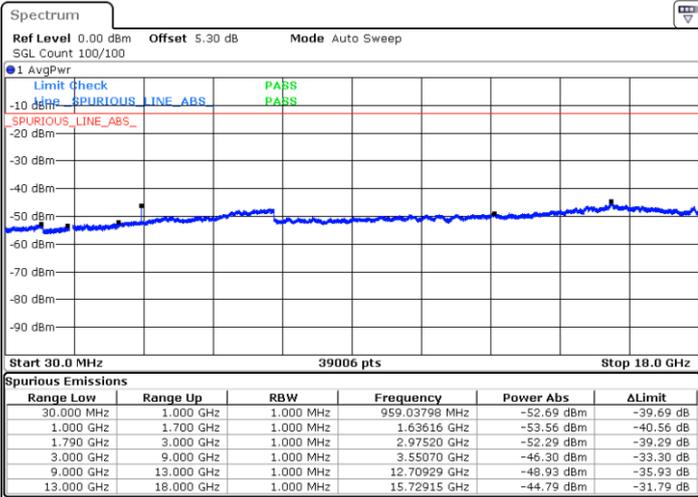
Middle Channel / 64QAM



Date: 27.JUN.2020 19:04:17

Date: 27.JUN.2020 19:08:28

Highest Channel / 64QAM

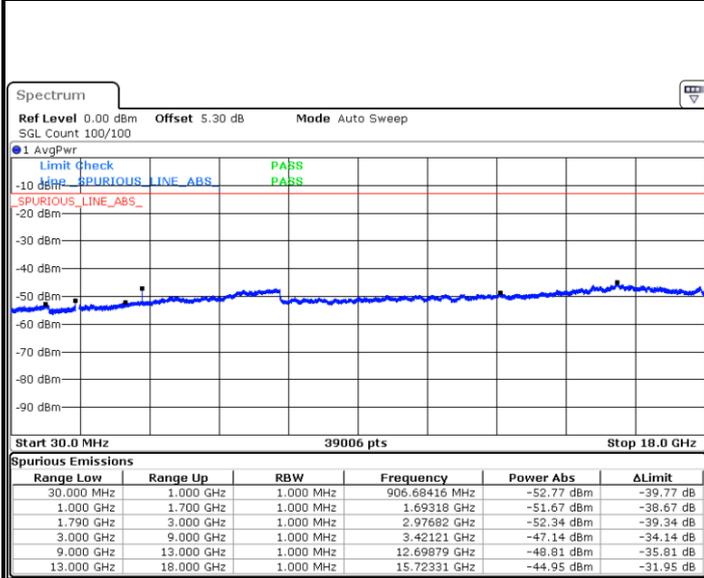


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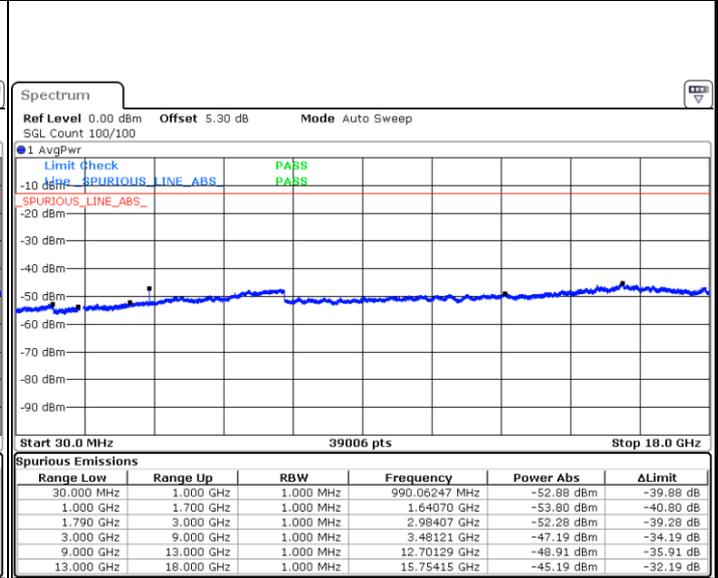
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



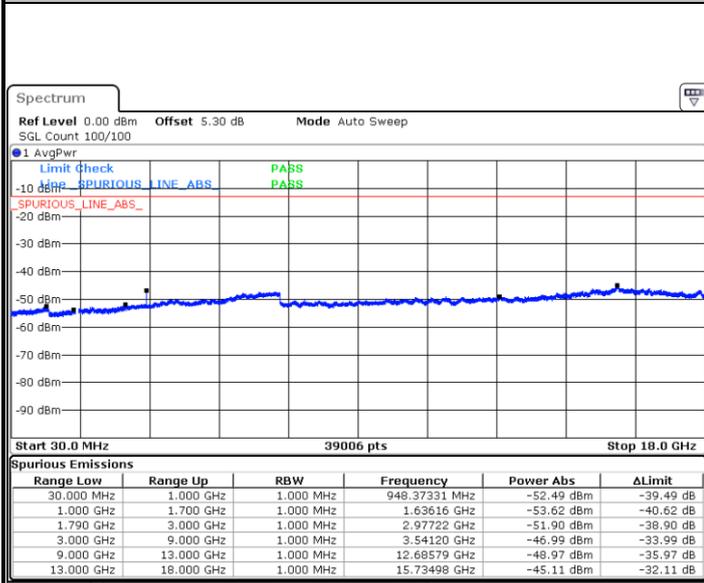
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Middle Channel / 64QAM



Date: 27.JUN.2020 19:26:13

Highest Channel / 64QAM



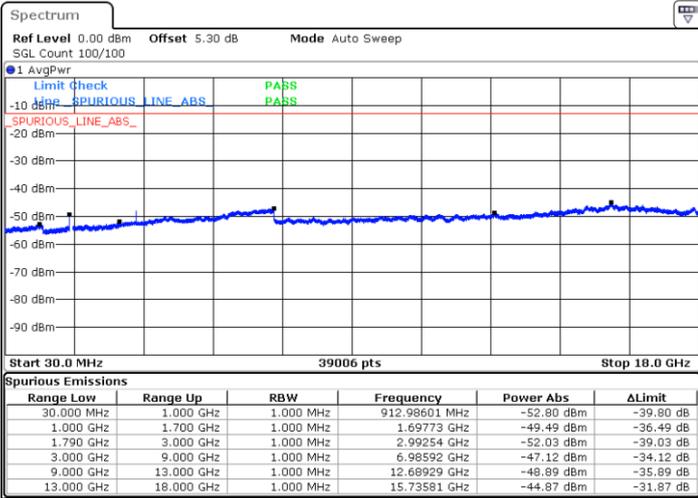
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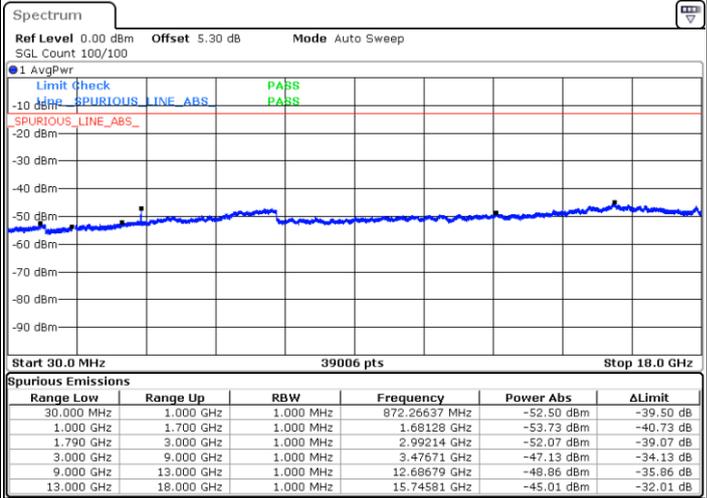
LTE Band 66 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

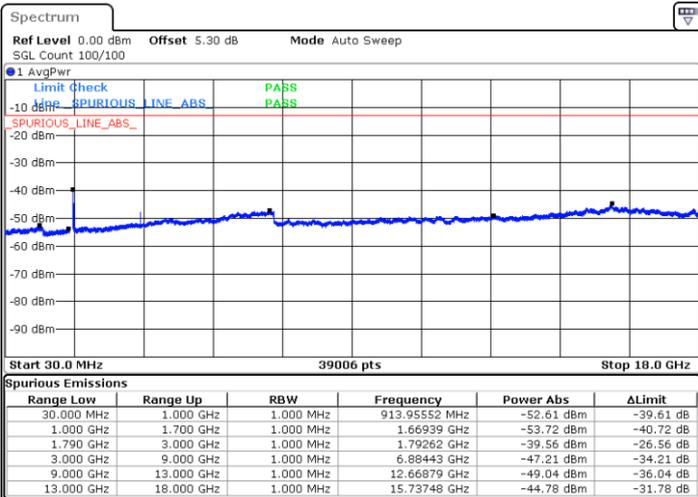


Date: 27.JUN.2020 19:37:41



Date: 27.JUN.2020 19:42:24

Highest Channel / 64QAM

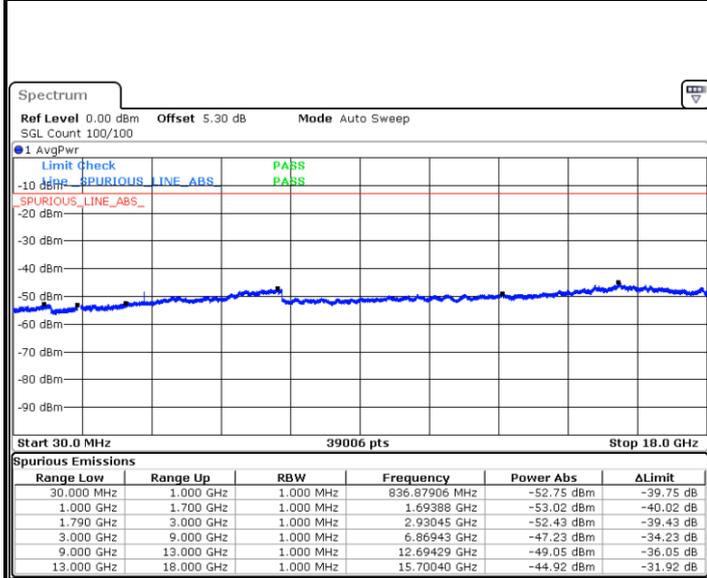


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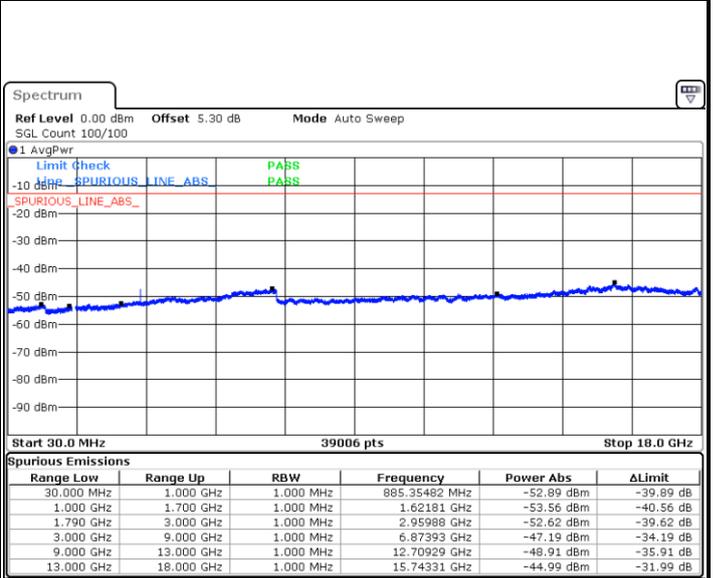
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



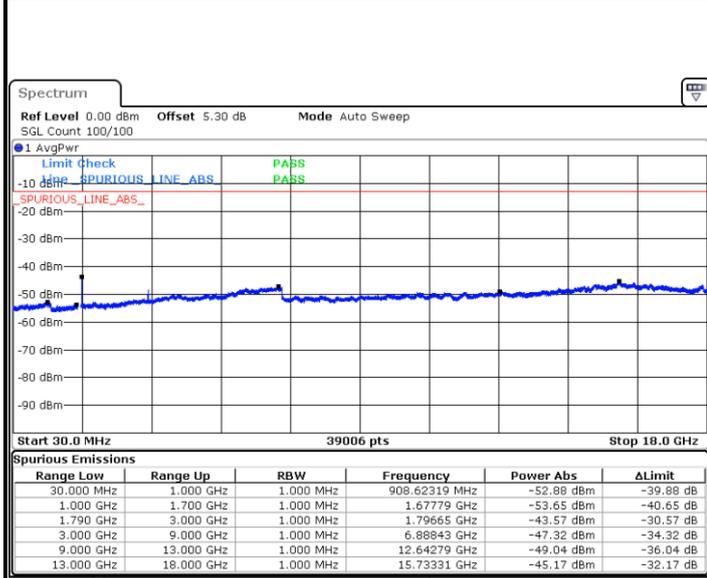
Date: 27.JUN.2020 20:08:13

Middle Channel / 64QAM



Date: 27.JUN.2020 20:11:36

Highest Channel / 64QAM



Date: 27.JUN.2020 20:37:23



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	0.0021	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.4V.
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	-57.61	-13	-44.61	-69.87	2.64	14.90	H
	5613	-54.01	-13	-41.01	-65.87	2.94	14.80	H
	7488	-48.77	-13	-35.77	-58.54	3.39	13.16	H
	3741	-57.25	-13	-44.25	-69.51	2.64	14.90	V
	5613	-53.87	-13	-40.87	-65.73	2.94	14.80	V
	7488	-48.30	-13	-35.30	-58.07	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	-67.18	-13	-54.18	-74.15	1.58	10.70	H
	2496	-63.78	-13	-50.78	-72.03	2.102	12.50	H
	3330	-62.77	-13	-49.77	-71.66	2.856	13.90	H
	1664	-66.69	-13	-53.69	-73.66	1.58	10.70	V
	2496	-62.47	-13	-49.47	-70.72	2.10	12.50	V
	3330	-62.81	-13	-49.81	-71.70	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	-65.67	-25	-40.67	-75.88	3.03	13.24	H
	7580	-60.96	-25	-35.96	-70.41	3.56	13.01	H
	10100	-57.94	-25	-32.94	-67.46	3.92	13.44	H
	5052	-65.59	-25	-40.59	-75.80	3.03	13.24	V
	7580	-61.06	-25	-36.06	-70.51	3.56	13.01	V
	10100	-57.77	-25	-32.77	-67.29	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)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-67.39	-13	-54.39	-74.36	1.58	10.70	H
	2110	-62.04	-13	-49.04	-70.29	2.102	12.50	H
	2812	-63.23	-13	-50.23	-72.12	2.856	13.90	H
	3516	-60.89	-13	-47.89	-69.35	2.689	13.30	H
	1406	-67.16	-13	-54.16	-74.13	1.58	10.70	V
	2110	-61.70	-13	-48.70	-69.95	2.10	12.50	V
	2812	-63.57	-13	-50.57	-72.46	2.86	13.90	V
	3516	-61.55	-13	-48.55	-70.01	2.69	13.30	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	-59.75	-13	-46.75	-70.49	2.604	13.34	H
	5208	-53.83	-13	-40.83	-64.34	3.011	13.52	H
	6948	-50.06	-13	-37.06	-60.26	3.271	13.47	H
	3471	-59.74	-13	-46.74	-70.48	2.604	13.34	V
	5208	-53.93	-13	-40.93	-64.44	3.011	13.52	V
	6948	-49.37	-13	-36.37	-59.57	3.271	13.47	V

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