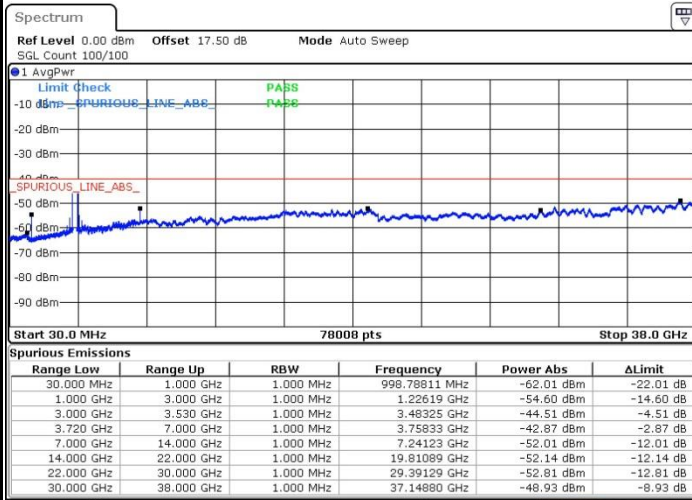




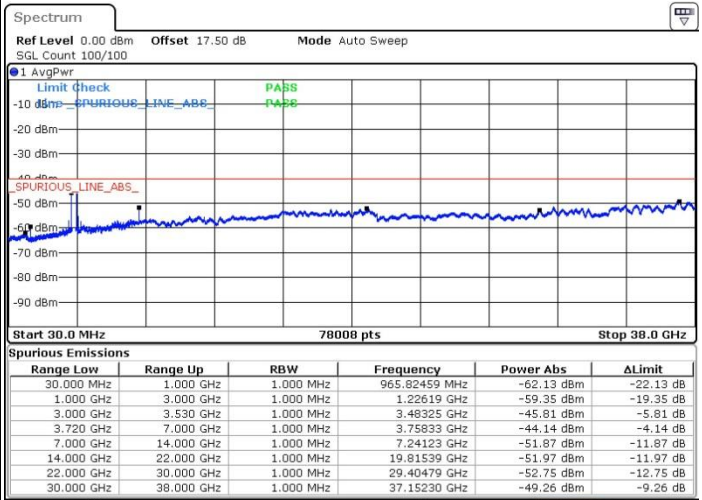
LTE Band 48 / 10MHz

Middle Channel / QPSK



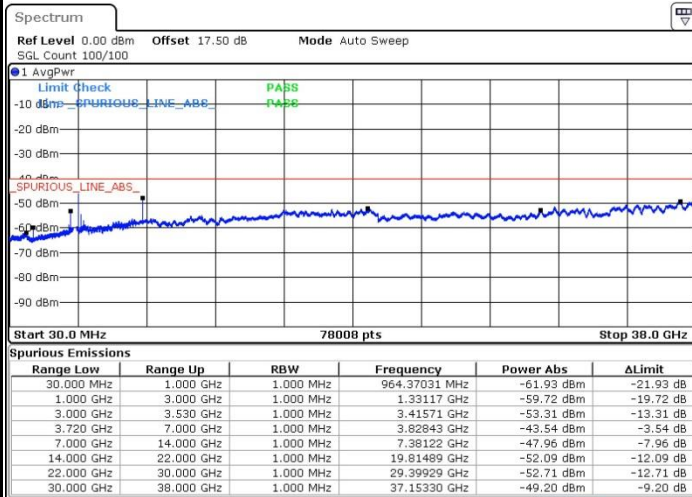
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Middle Channel / 16QAM



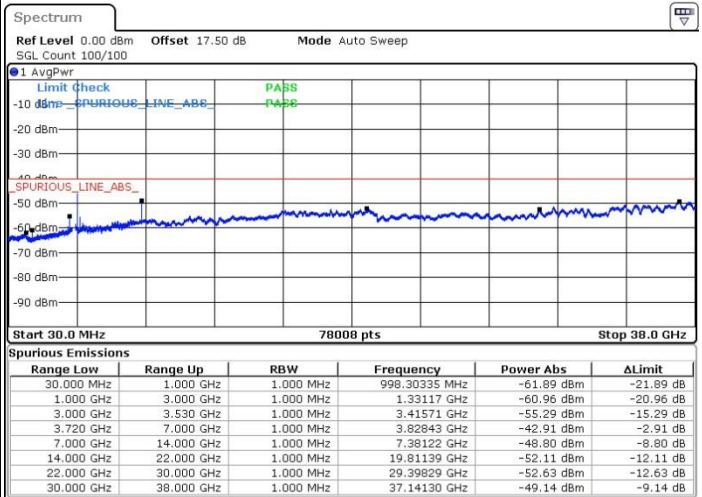
Date: 20 SEP.2016 17:00:45

Highest Channel / QPSK



Date: 20 SEP.2016 17:04:51

Highest Channel / 16QAM

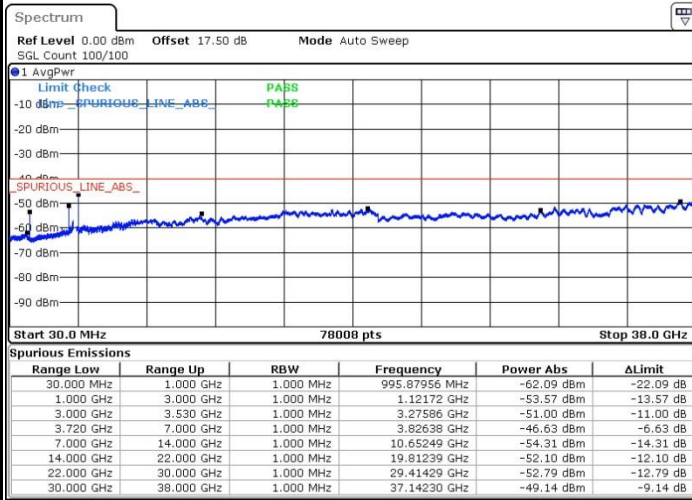


Date: 20 SEP.2016 17:03:49



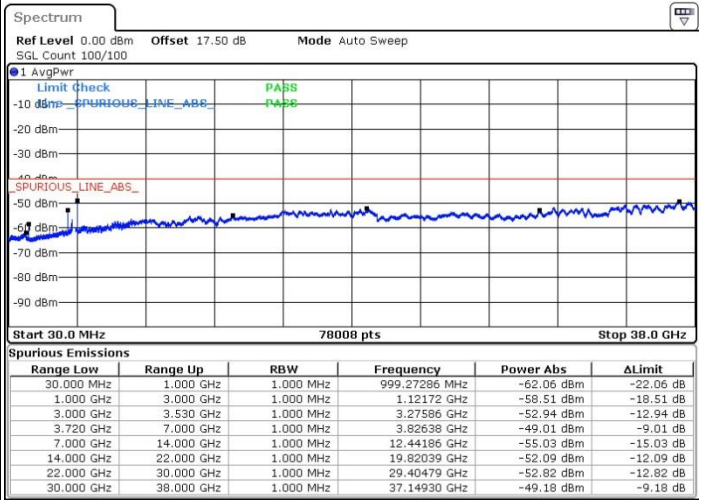
LTE Band 48 / 15MHz

Lowest Channel / QPSK



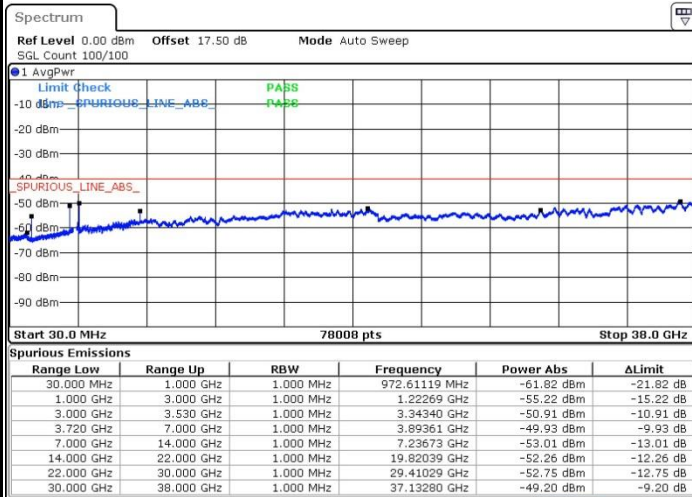
Date: 20 SEP. 2016 17:24:19

Lowest Channel / 16QAM



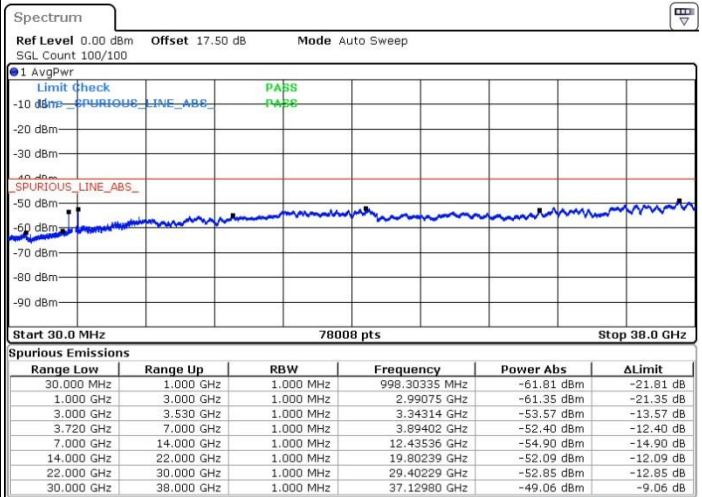
Date: 20 SEP. 2016 17:25:20

Middle Channel / QPSK



Date: 20 SEP. 2016 17:29:26

Middle Channel / 16QAM

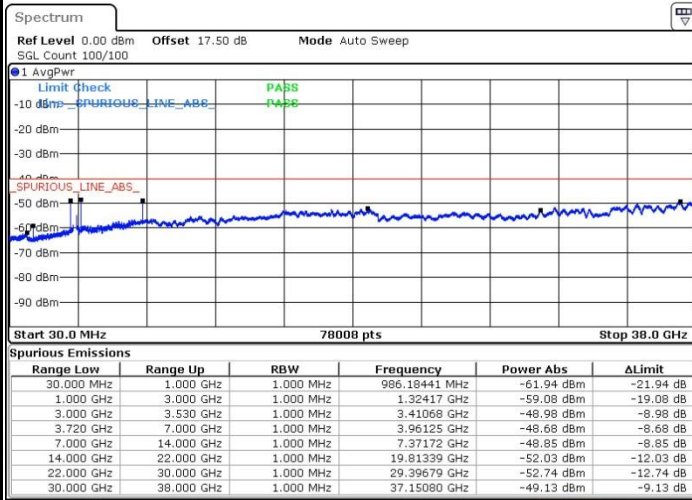


Date: 20 SEP. 2016 17:28:25



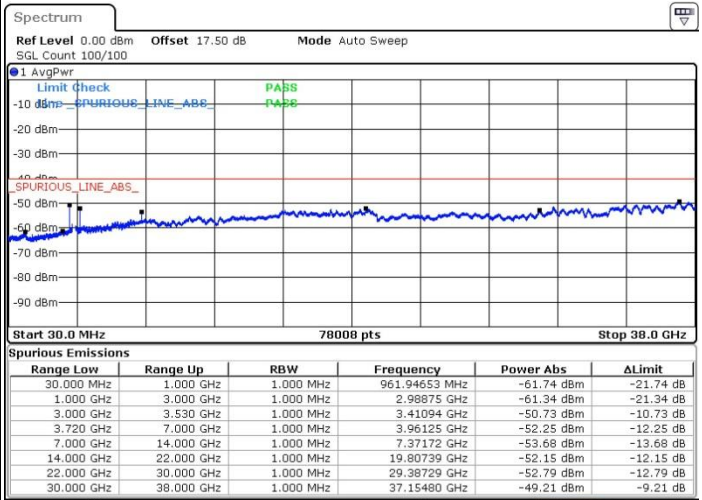
LTE Band 48 / 15MHz

Highest Channel / QPSK



Date: 20 SEP.2018 17:30:27

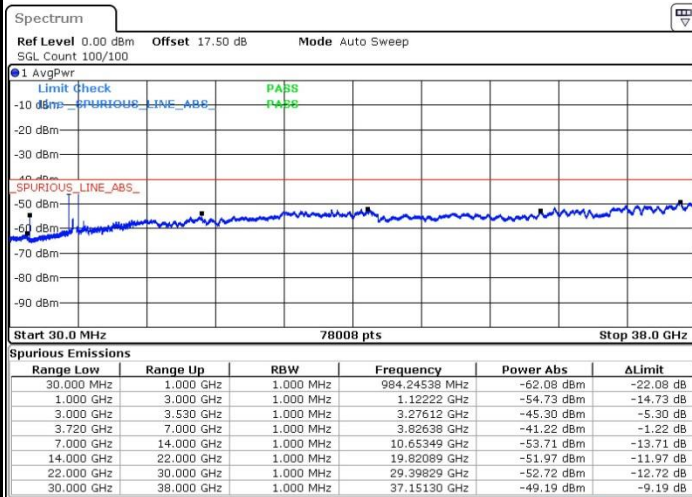
Highest Channel / 16QAM



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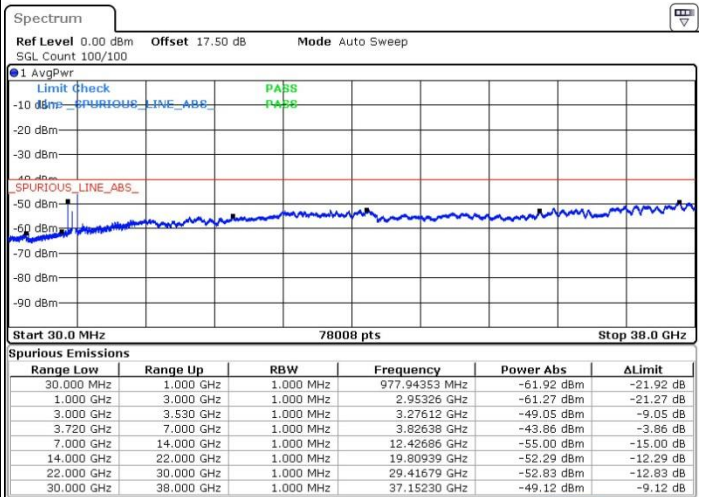
LTE Band 48 / 20MHz

Lowest Channel / QPSK



Date: 20 SEP.2018 18:03:14

Lowest Channel / 16QAM

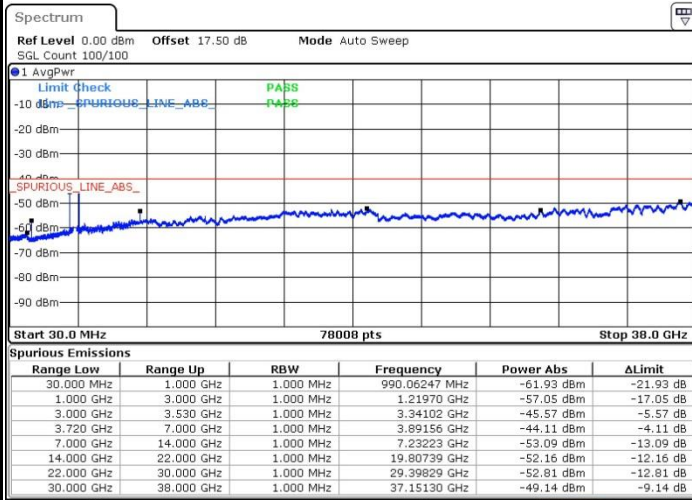


Date: 20 SEP.2018 18:02:13



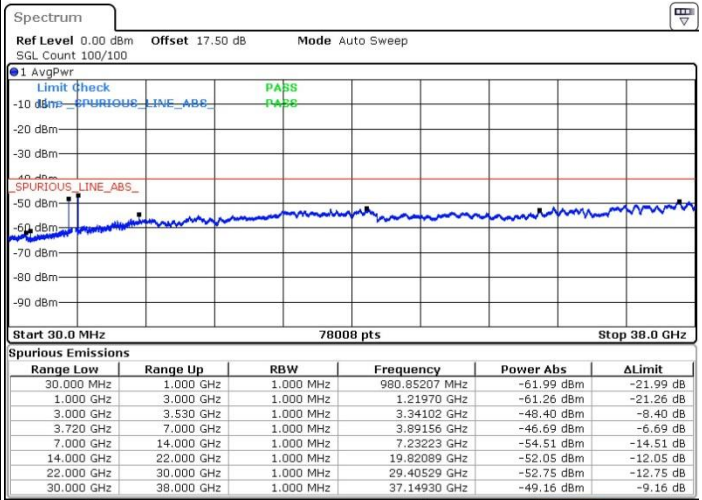
LTE Band 48 / 20MHz

Middle Channel / QPSK



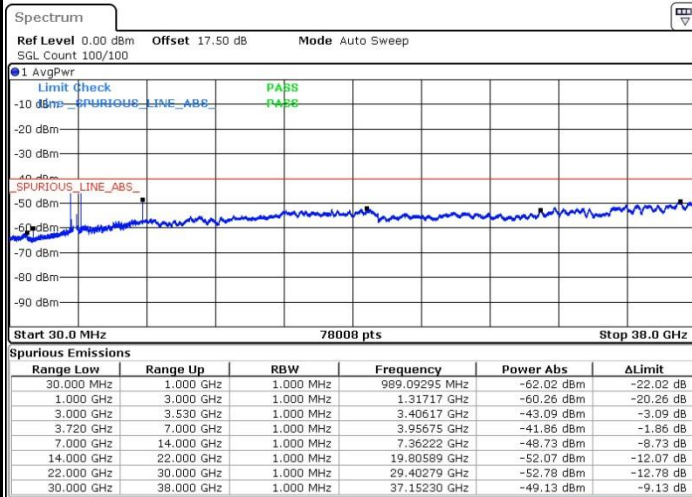
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Middle Channel / 16QAM



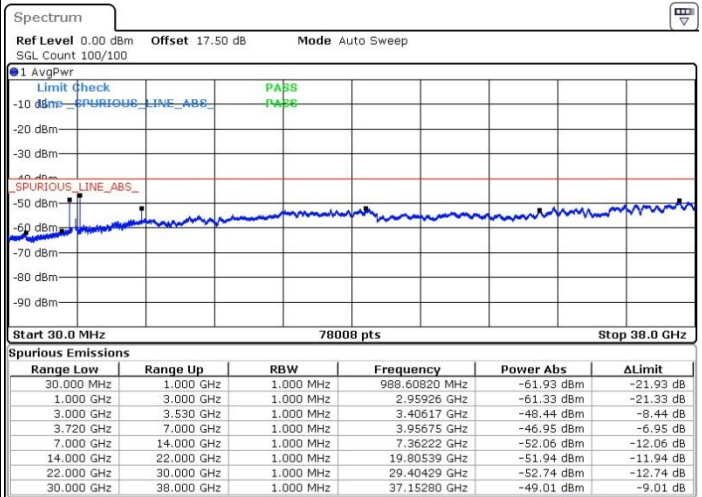
Date: 20 SEP.2016 18:05:17

Highest Channel / QPSK



Date: 20 SEP.2016 18:09:22

Highest Channel / 16QAM

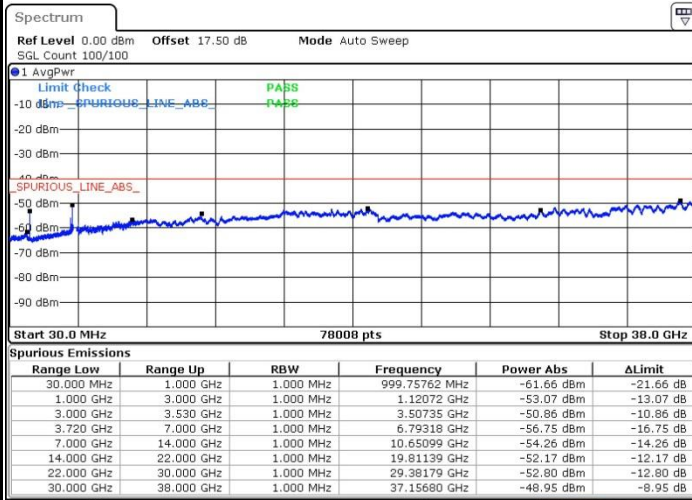


Date: 20 SEP.2016 18:08:21



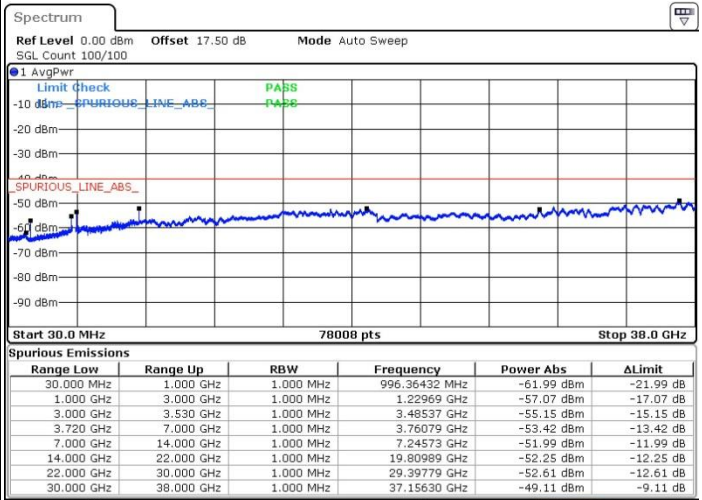
LTE Band 48 / 5MHz

Lowest Channel / 64QAM



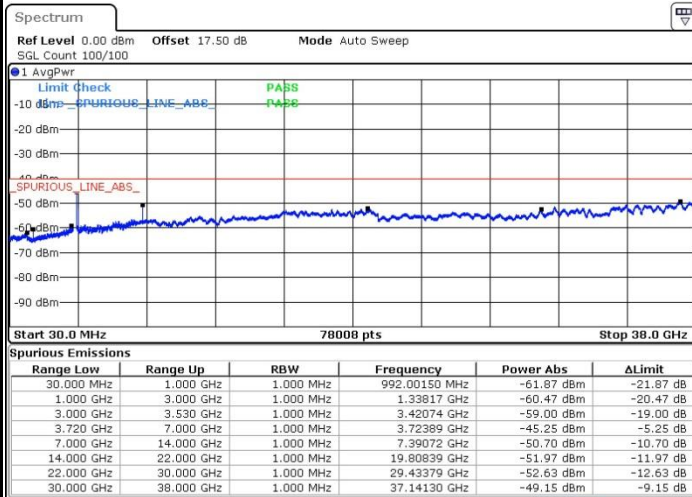
Date: 20 SEP.2016 16:31:02

Middle Channel / 64QAM



Date: 20 SEP.2016 16:32:03

Highest Channel / 64QAM

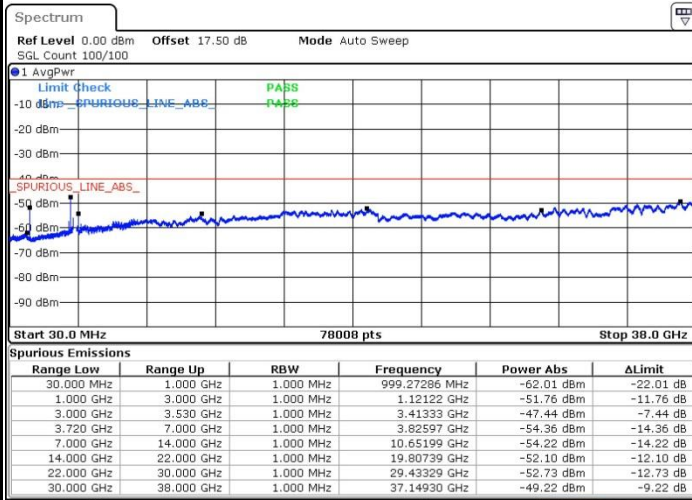


Date: 20 SEP.2016 16:37:10



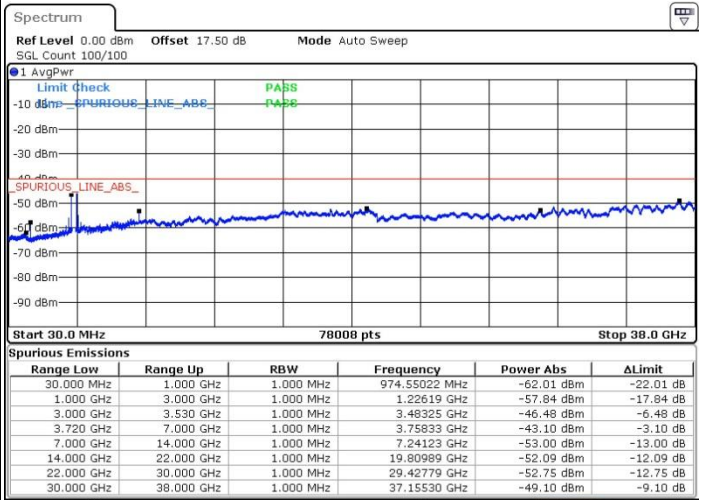
LTE Band 48 / 10MHz

Lowest Channel / 64QAM



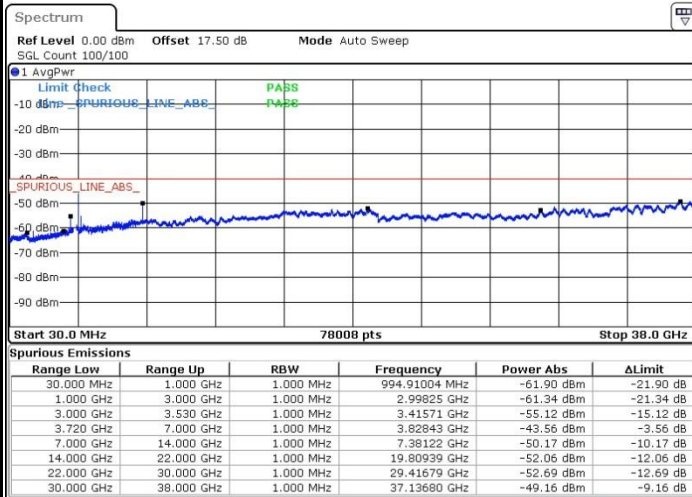
Date: 20 SEP.2018 16:56:39

Middle Channel / 64QAM



Date: 20 SEP.2018 17:01:46

Highest Channel / 64QAM

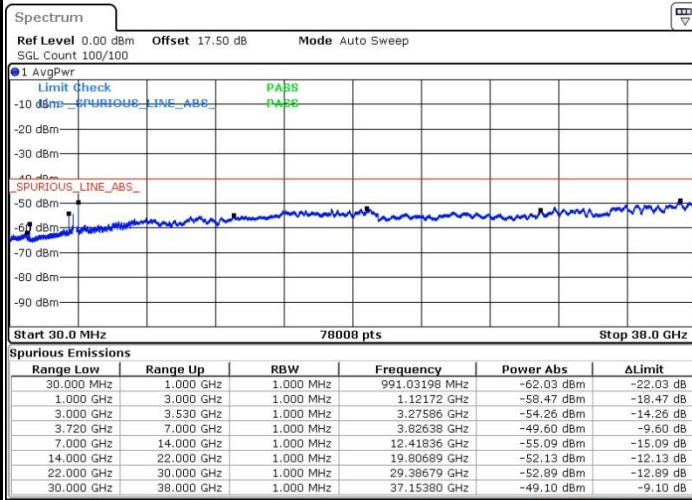


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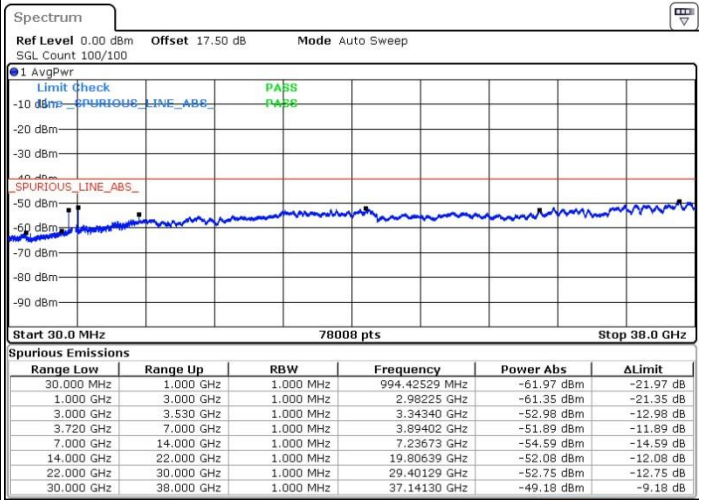
LTE Band 48 / 15MHz

Lowest Channel / 64QAM



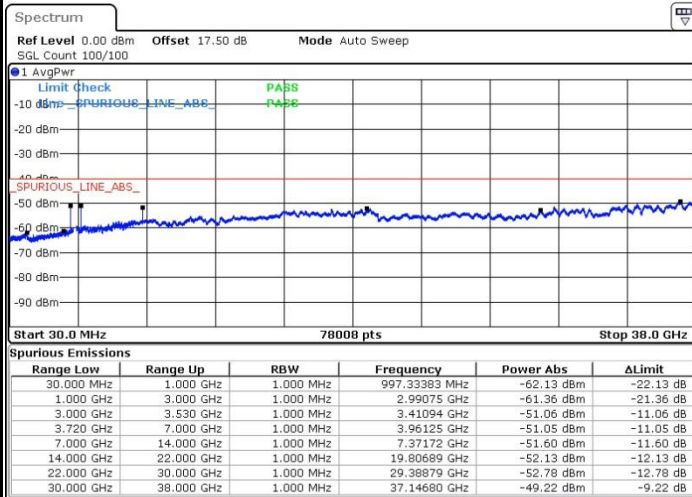
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Middle Channel / 64QAM



Date: 20 SEP. 2018 17:27:24

Highest Channel / 64QAM

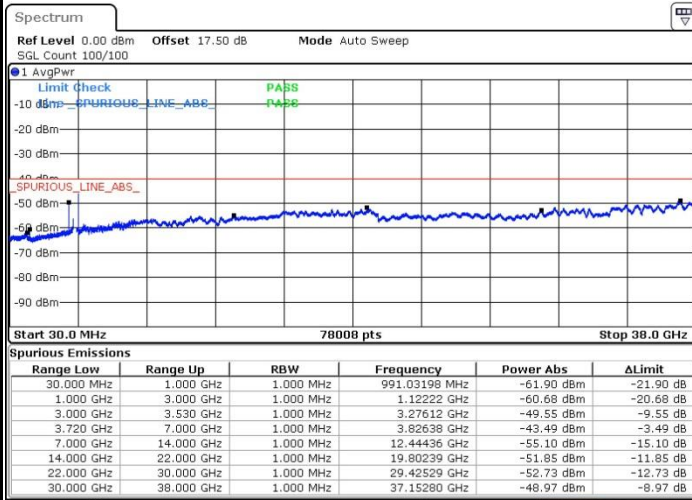


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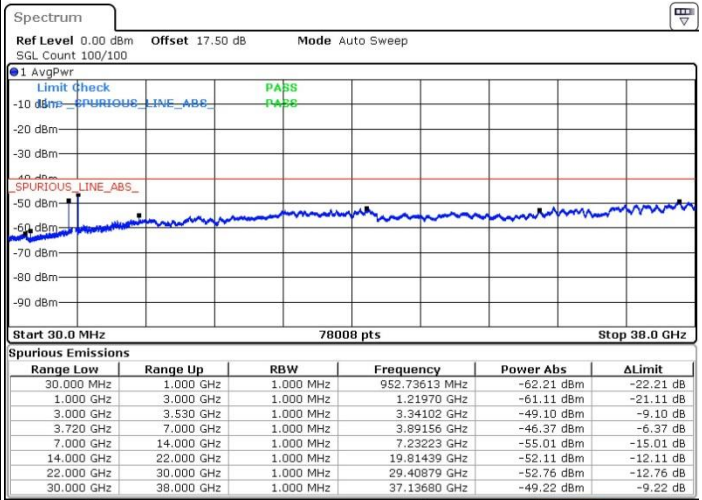
LTE Band 48 / 20MHz

Lowest Channel / 64QAM



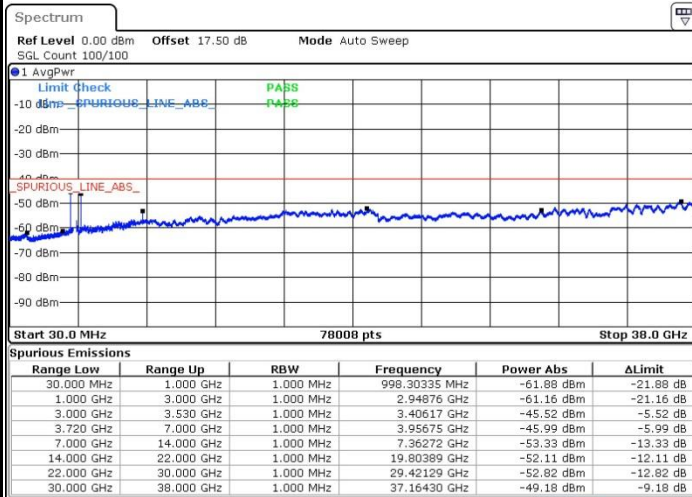
Date: 20 SEP. 2016 18:01:11

Middle Channel / 64QAM



Date: 20 SEP. 2016 18:06:18

Highest Channel / 64QAM



Date: 20 SEP. 2016 18:07:19

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0079	PASS
40	Normal Voltage	0.0061	
30	Normal Voltage	0.0041	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0130	
0	Normal Voltage	0.0121	
-10	Normal Voltage	0.0141	
-20	Normal Voltage	0.0041	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0130	
20	Battery End Point	0.0137	

Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.135 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 48

LTE Band 48 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7100	-53.10	-40	-13.10	-58.13	-61.54	2.56	11.00	H
	10655	-48.19	-40	-8.19	-58.44	-57.93	2.69	12.43	H
	14205	-52.37	-40	-12.37	-66.48	-62.81	3.27	13.71	H
									H
									H
									H
									H
	7100	-48.24	-40	-8.24	-53.36	-56.68	2.56	11.00	V
	10655	-40.55	-40	-0.55	-50.62	-50.29	2.69	12.43	V
	14205	-52.50	-40	-12.50	-66.71	-62.94	3.27	13.71	V
									V
									V
									V
									V



Middle	5230	-52.93	-40	-12.93	-57.78	-60.16	2.47	9.70	H
	10850	-53.16	-40	-13.16	-64.08	-62.94	2.69	12.47	H
	14460	-52.91	-40	-12.91	-67.22	-62.63	3.37	13.10	H
									H
									H
									H
									H
	5230	-49.31	-40	-9.31	-54.29	-56.54	2.47	9.70	V
	10850	-52.55	-40	-12.55	-63.28	-62.33	2.69	12.47	V
	14460	-52.47	-40	-12.47	-66.64	-62.19	3.37	13.10	V
									V
									V
									V
									V
									V
									V
Highest	7360	-55.37	-40	-15.37	-60.12	-64.42	2.47	11.52	H
	11045	-50.81	-40	-10.81	-62.47	-60.6	2.69	12.48	H
	14730	-52.95	-40	-12.95	-67.12	-62.74	3.49	13.28	H
									H
									H
									H
									H
	7360	-50.56	-40	-10.56	-55.5	-59.61	2.47	11.52	V
	11045	-50.44	-40	-10.44	-61.92	-60.23	2.69	12.48	V
	14730	-52.71	-40	-12.71	-66.92	-62.5	3.49	13.28	V
									V
									V
									V
									V
									V
									V

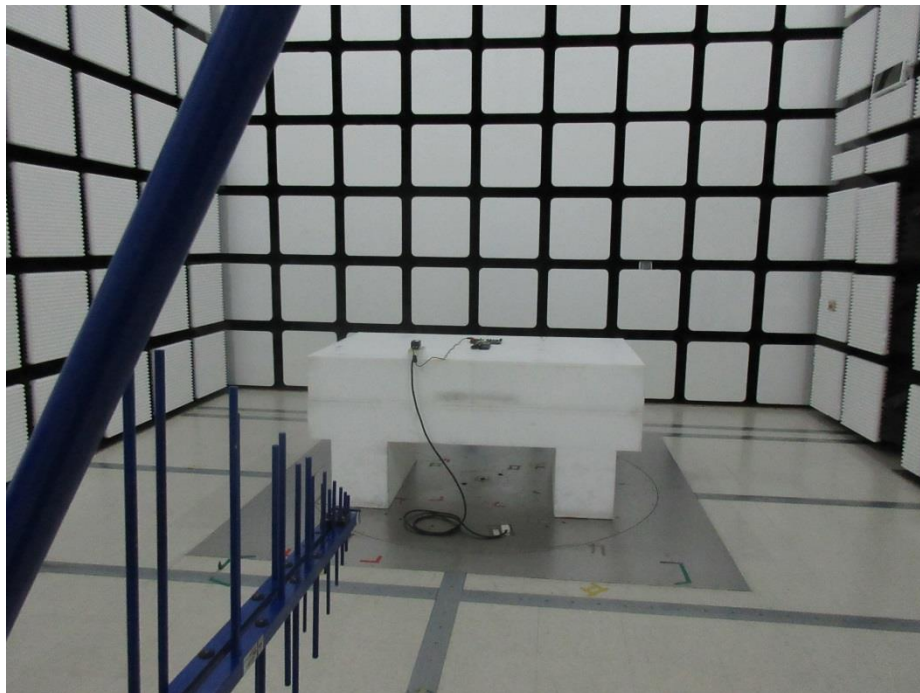
Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Appendix C. Setup Photographs

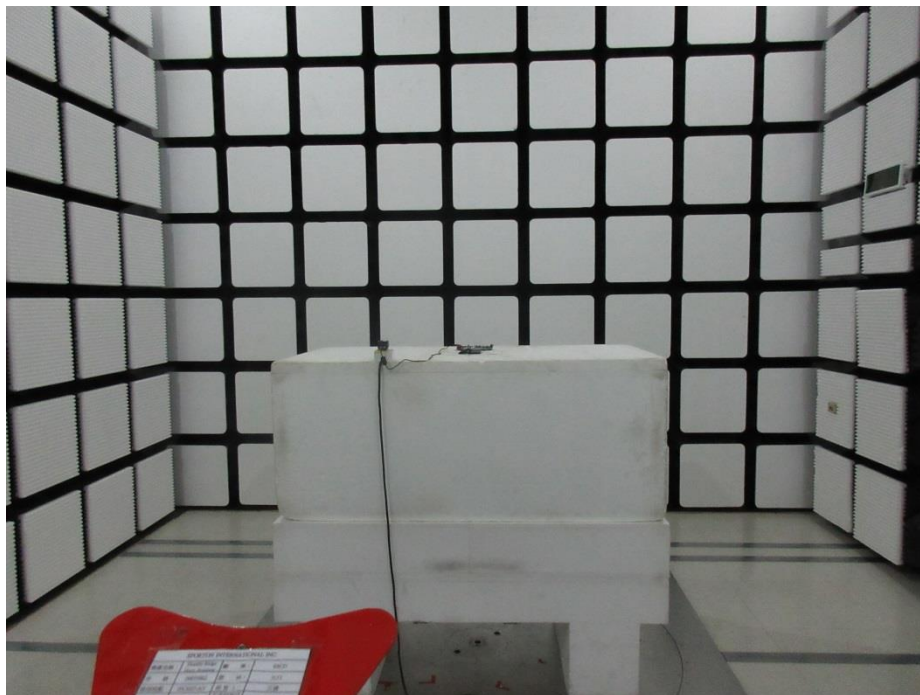
<Radiated Emission>

X Plane

LF



HF



————THE END————