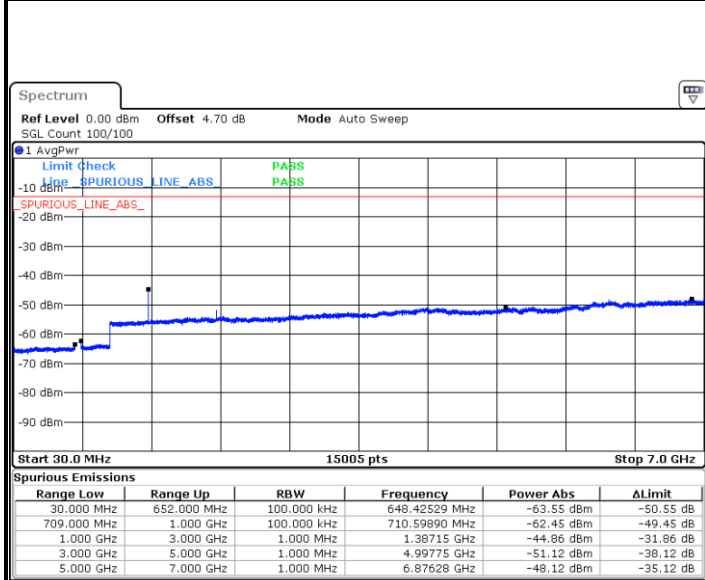




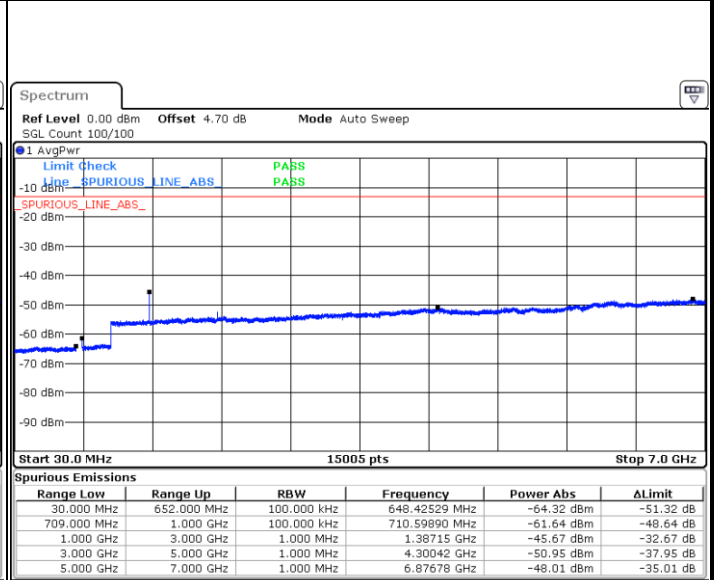
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 5 FEB 2020 23:27:42

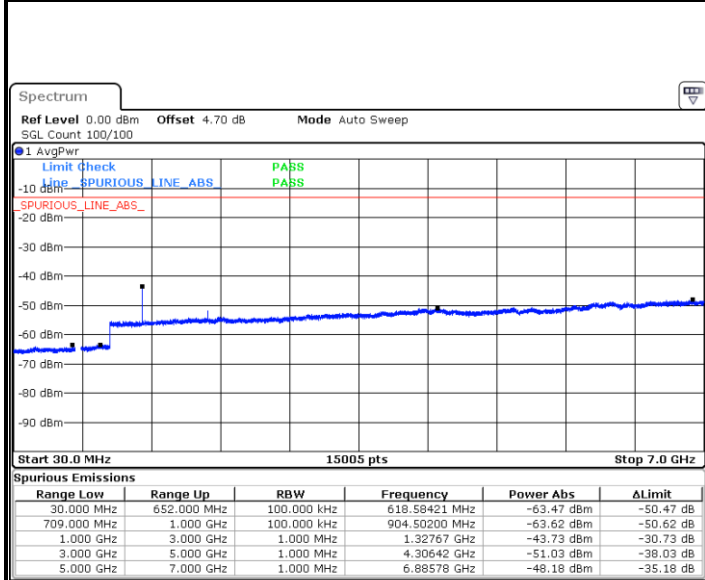
Highest Channel / 16QAM



Date: 5 FEB 2020 23:26:57

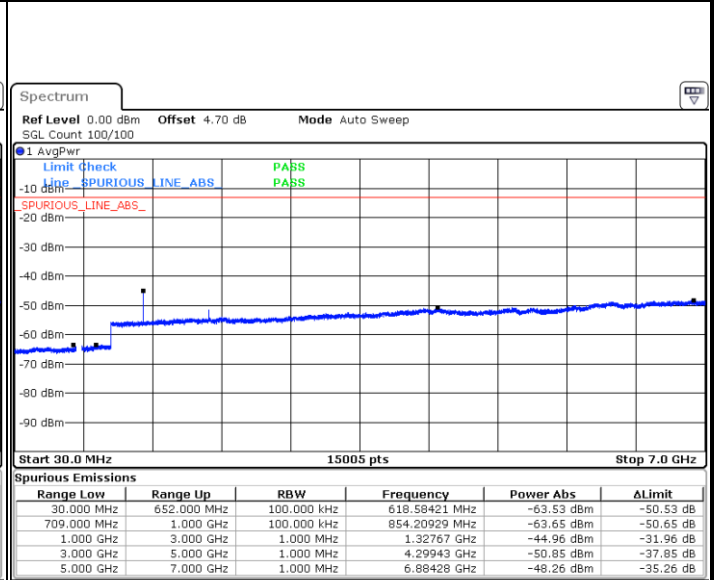
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 5 FEB 2020 23:34:11

Lowest Channel / 16QAM

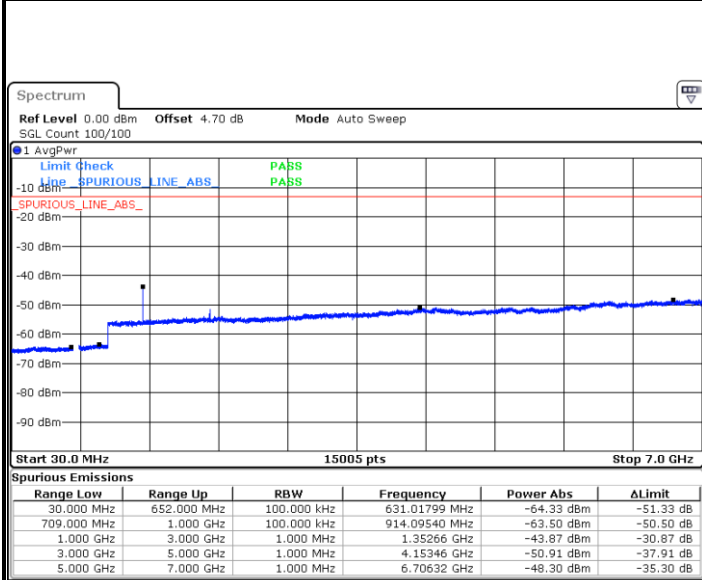


Date: 5 FEB 2020 23:35:35



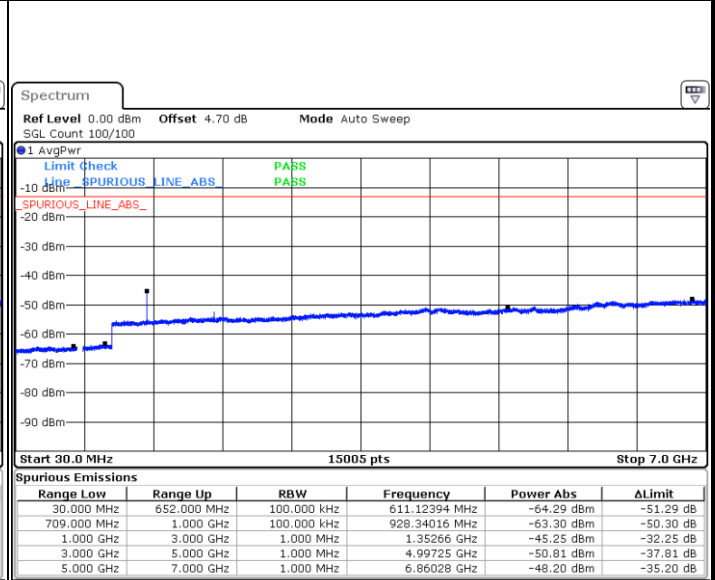
LTE Band 71 / 10MHz

Middle Channel / QPSK



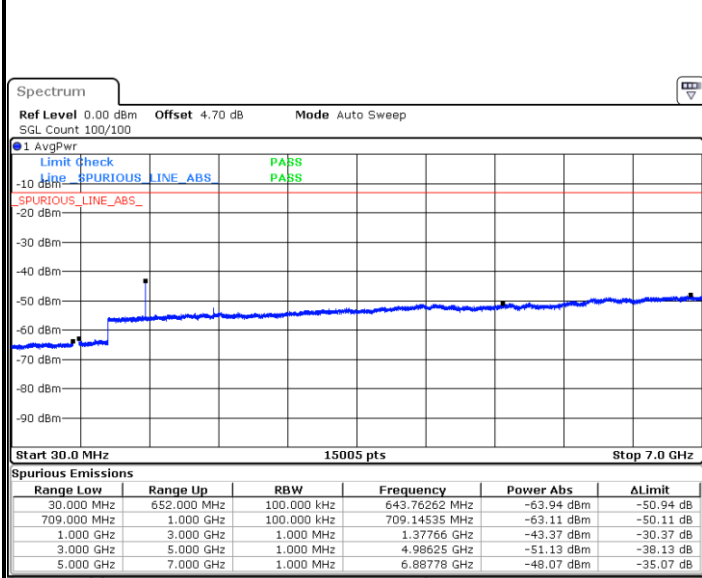
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Middle Channel / 16QAM



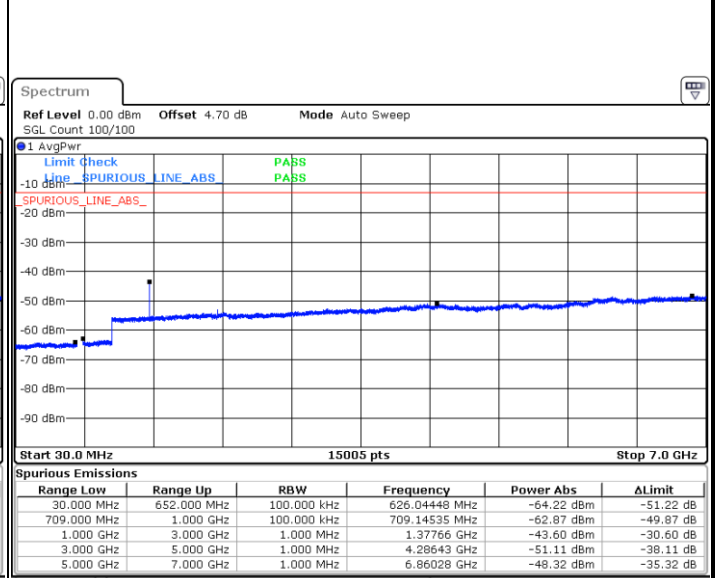
Date: 5 FEB 2020 23:36:33

Highest Channel / QPSK



Date: 5 FEB 2020 23:41:02

Highest Channel / 16QAM



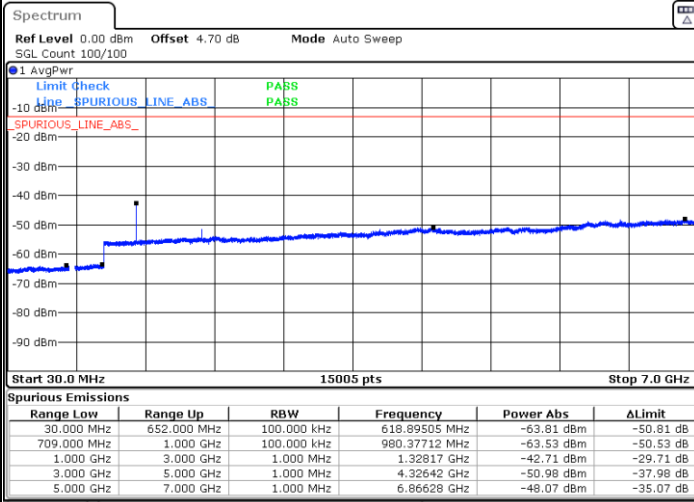
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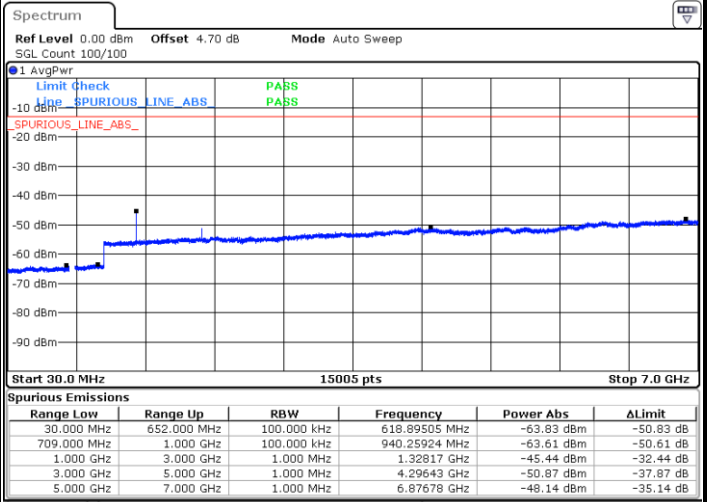
LTE Band 71 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



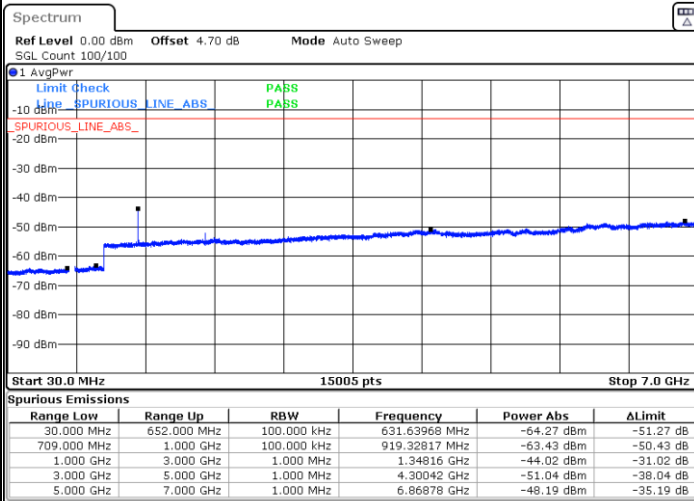
Date: 6 FEB 2020 00:11:20



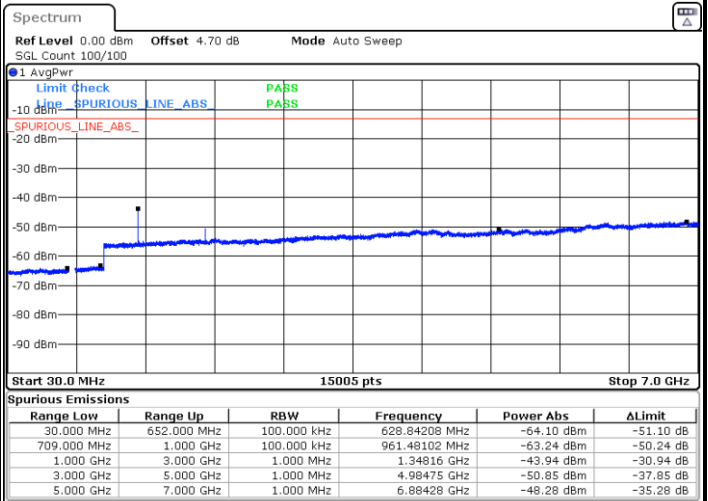
Date: 5 FEB 2020 23:45:58

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 6 FEB 2020 00:11:49

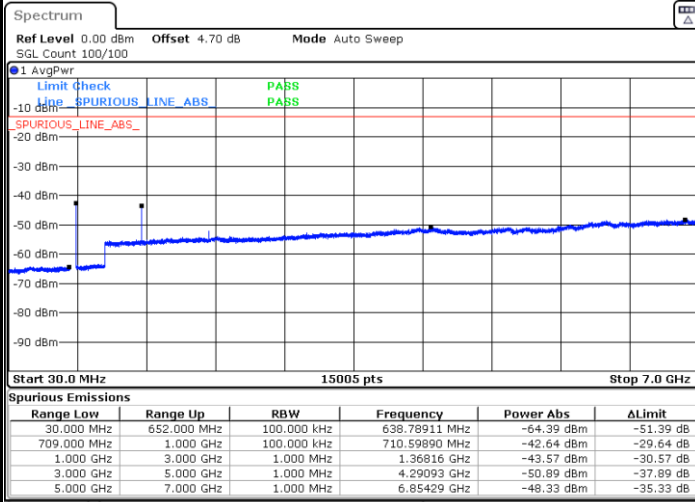


Date: 6 FEB 2020 00:12:10



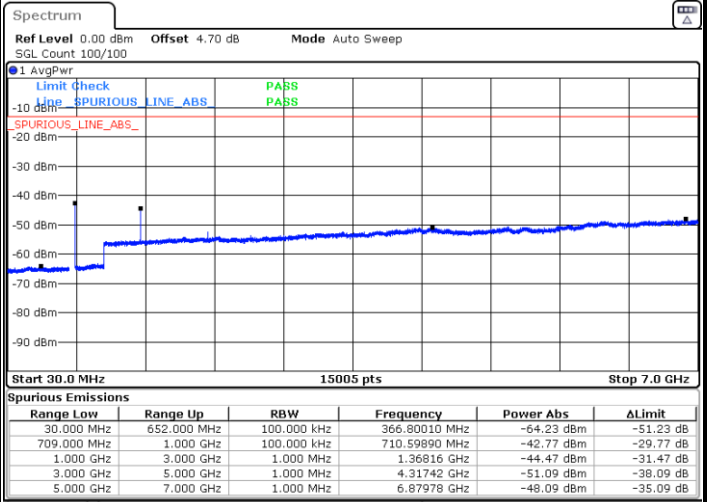
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 6 FEB 2020 00:16:36

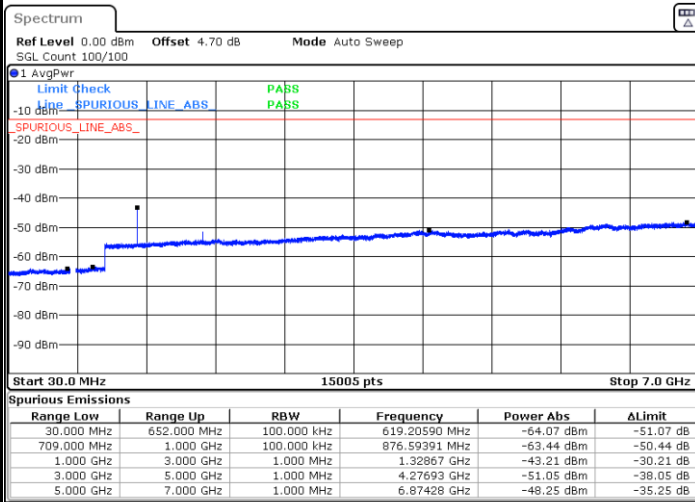
Highest Channel / 16QAM



Date: 6 FEB 2020 00:16:16

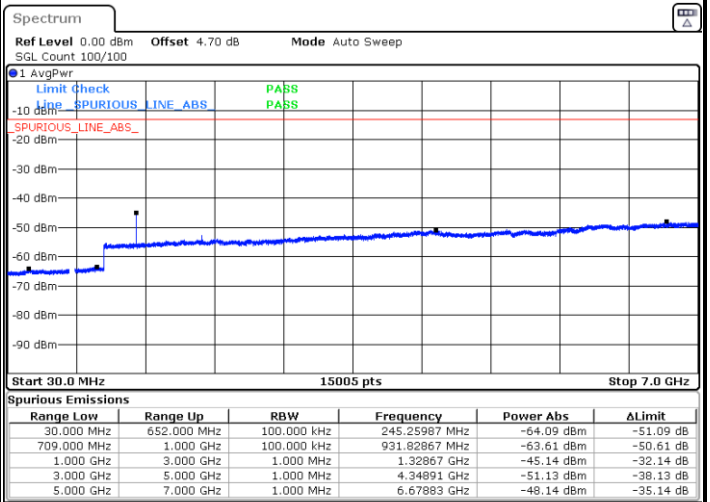
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 6 FEB 2020 00:21:43

Lowest Channel / 16QAM

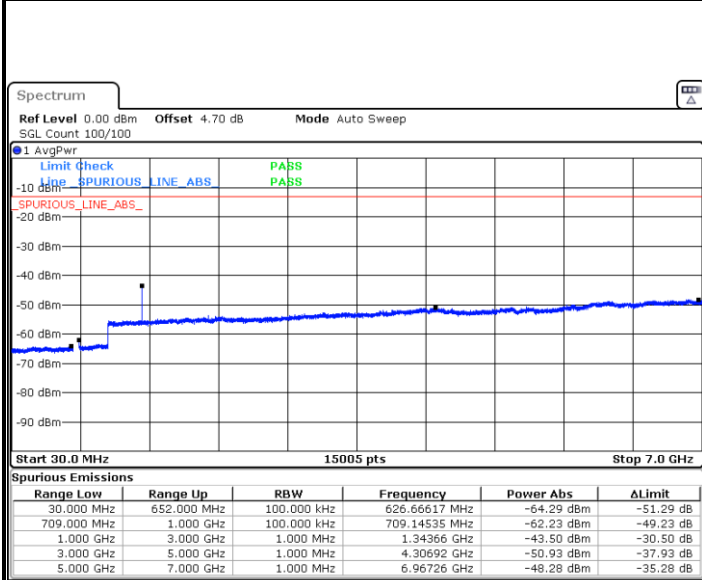


Date: 6 FEB 2020 00:22:57



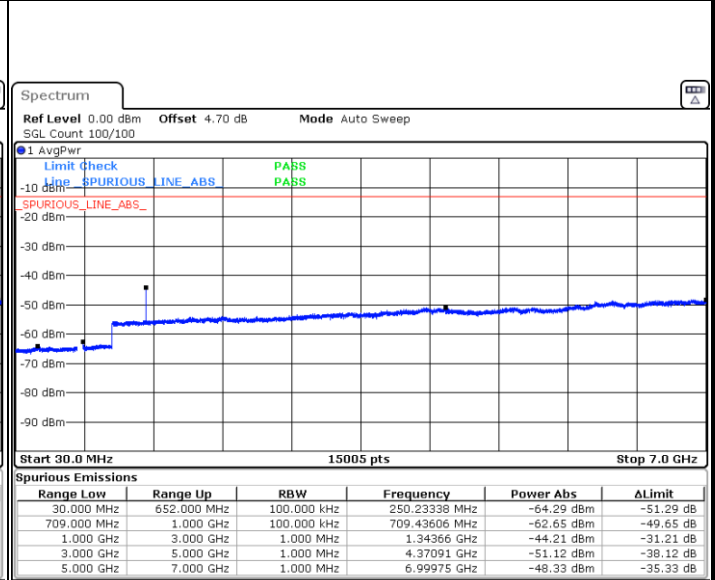
LTE Band 71 / 20MHz

Middle Channel / QPSK



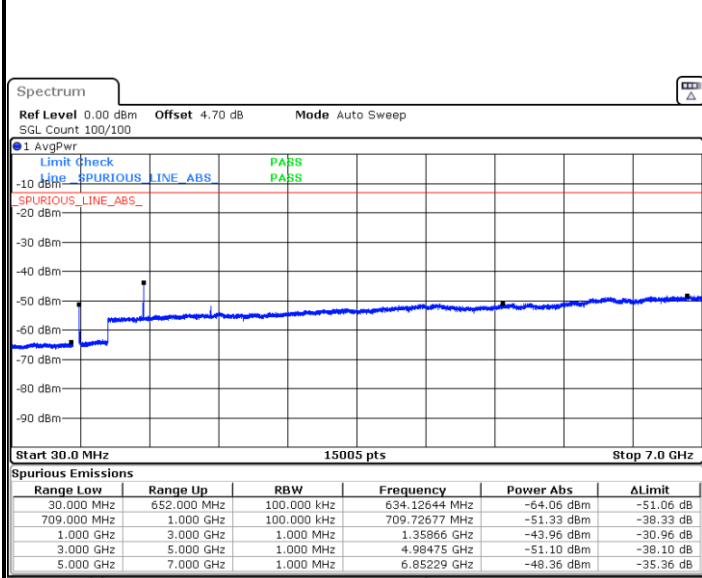
Date: 6 FEB 2020 00:24:14

Middle Channel / 16QAM



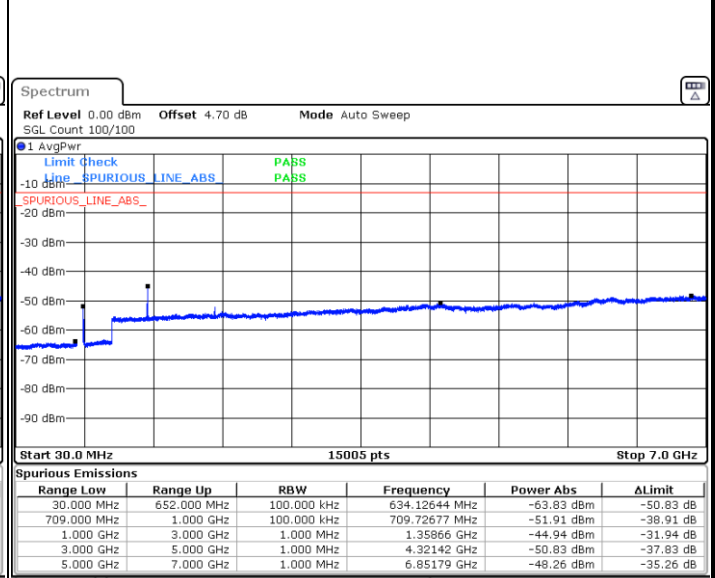
Date: 6 FEB 2020 00:23:35

Highest Channel / QPSK



Date: 6 FEB 2020 00:28:08

Highest Channel / 16QAM



Date: 6 FEB 2020 00:28:37



Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0032	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 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	3742.18	-56.89	-13	-43.89	-69.15	2.64	14.90	H
	5613	-44.40	-13	-31.40	-56.26	2.94	14.80	H
	7488	-44.55	-13	-31.55	-54.32	3.39	13.16	H
	3741	-56.85	-13	-43.85	-69.11	2.64	14.90	V
	5613.27	-51.35	-13	-38.35	-63.21	2.94	14.80	V
	7488	-47.70	-13	-34.70	-57.47	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)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-61.07	-13	-48.07	-68.04	1.58	10.70	H
	2496	-44.23	-13	-31.23	-52.48	2.102	12.50	H
	3330	-61.49	-13	-48.49	-70.38	2.856	13.90	H
	1664	-61.88	-13	-48.88	-68.85	1.58	10.70	V
	2496	-45.61	-13	-32.61	-53.86	2.10	12.50	V
	3330	-61.09	-13	-48.09	-69.98	2.86	13.90	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	-59.01	-13	-46.01	-65.98	1.58	10.70	H
	2110	-51.44	-13	-38.44	-59.69	2.102	12.50	H
	2812	-60.63	-13	-47.63	-69.52	2.856	13.90	H
	1406	-60.37	-13	-47.37	-67.34	1.58	10.70	V
	2110	-58.08	-13	-45.08	-66.33	2.10	12.50	V
	2812	-61.01	-13	-48.01	-69.90	2.86	13.90	V

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



LTE Band 41 / 20MHz / 16QAM								
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	5166	-55.81	-25	-30.81	-66.02	3.03	13.24	H
	7752	-36.64	-25	-11.64	-46.09	3.56	13.01	H
	10332	-46.03	-25	-21.03	-55.55	3.92	13.44	H
	12924	-32.21	-25	-7.21	-42.13	4.44	14.36	H
	5166	-56.19	-25	-31.19	-66.40	3.03	13.24	V
	7752	-41.06	-25	-16.06	-50.51	3.56	13.01	V
	10332	-45.90	-25	-20.90	-55.42	3.92	13.44	V
	12924	-38.63	-25	-13.63	-48.55	4.44	14.36	V

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

LTE Band 66 / 20MHz / 16QAM								
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	-56.92	-13	-43.92	-67.66	2.604	13.34	H
	5208	-46.04	-13	-33.04	-56.55	3.011	13.52	H
	6948	-45.29	-13	-32.29	-55.49	3.271	13.47	H
	8676	-42.67	-13	-29.67	-49.64	5.527	12.5	H
	3741	-56.83	-13	-43.83	-67.57	2.604	13.34	V
	5208	-49.07	-13	-36.07	-59.58	3.011	13.52	V
	6948	-47.56	-13	-34.56	-57.76	3.271	13.47	V
	8676	-40.28	-13	-27.28	-47.25	5.527	12.50	V

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

LTE Band 71 / 20MHz / 16QAM								
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	1348	-64.39	-13	-51.39	-66.14	1.02	4.92	H
	2022	-59.46	-13	-46.46	-61.43	1.27	5.39	H
	2696	-62.54	-13	-49.54	-65.47	1.49	6.57	H
	1348	-64.73	-13	-51.73	-66.48	1.02	4.92	V
	2022	-60.58	-13	-47.58	-62.55	1.27	5.39	V
	2696	-62.76	-13	-49.76	-65.69	1.49	6.57	V

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