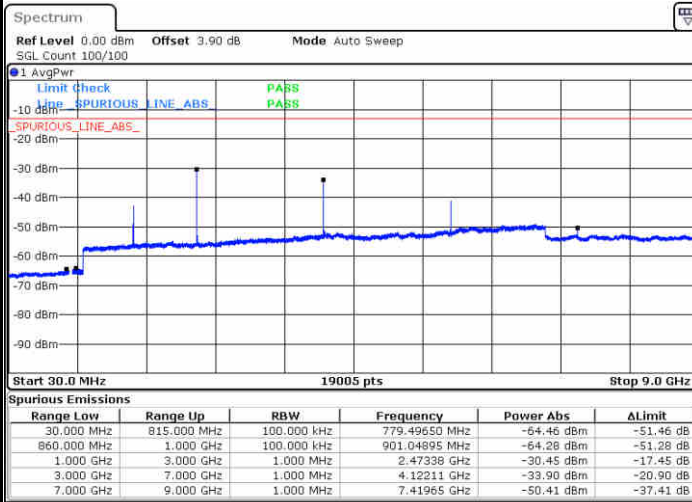




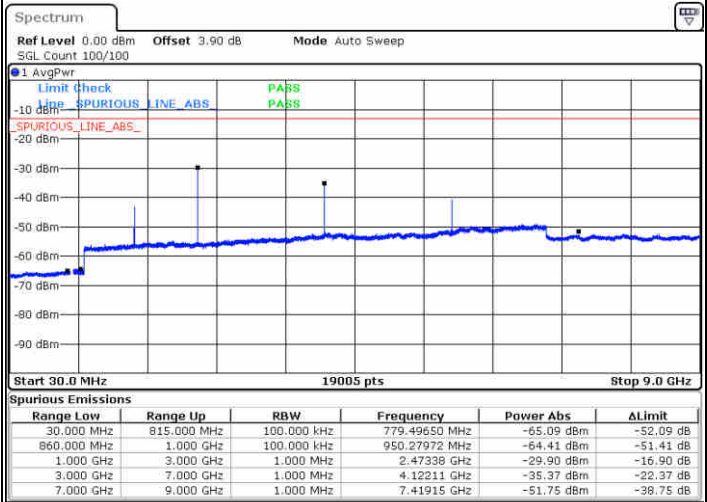
LTE Band 5 / 5MHz

Lowest Channel / QPSK



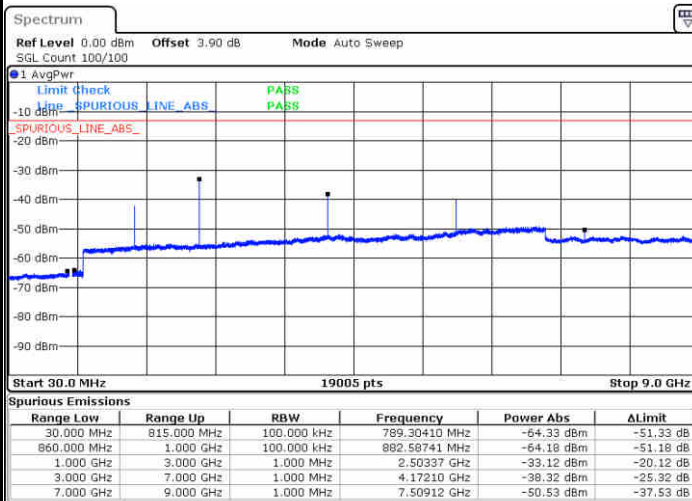
Date: 24 MAY 2017 11:06:38

Lowest Channel / 16QAM



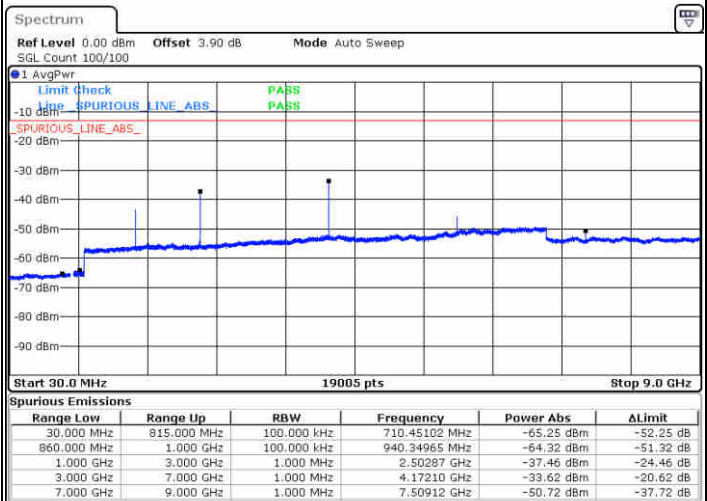
Date: 24 MAY 2017 11:07:33

Middle Channel / QPSK



Date: 24 MAY 2017 11:09:10

Middle Channel / 16QAM

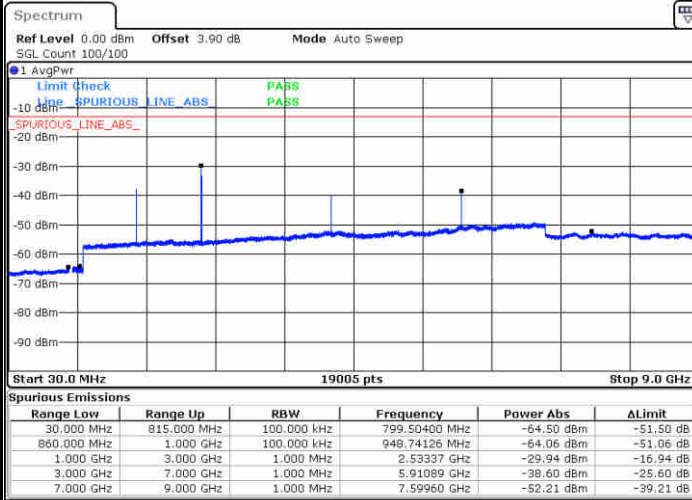


Date: 24 MAY 2017 11:10:05



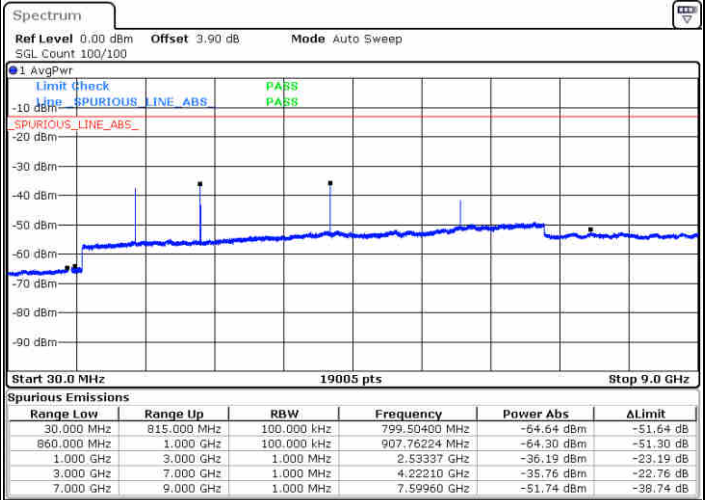
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 24 MAY 2017 11:18:15

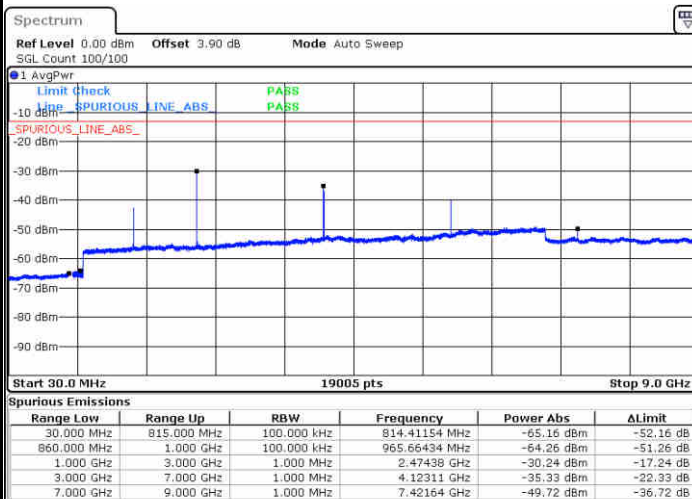
Highest Channel / 16QAM



Date: 24 MAY 2017 11:19:10

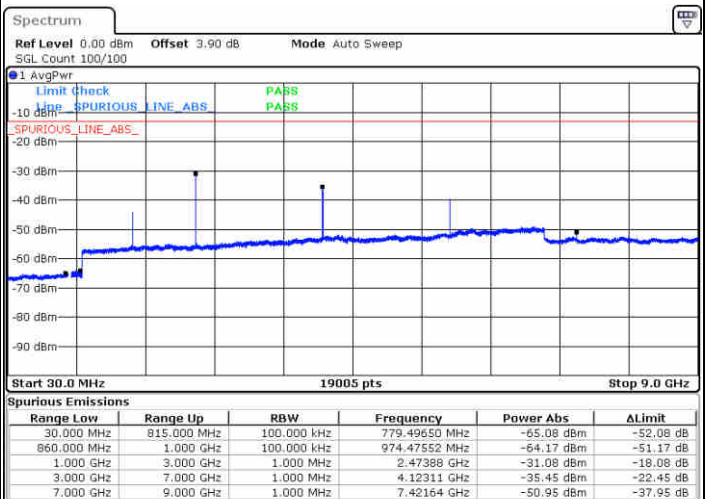
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 24 MAY 2017 11:27:19

Lowest Channel / 16QAM

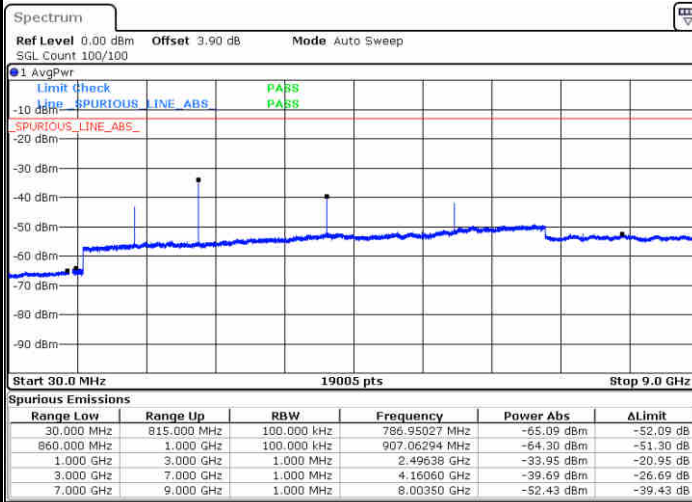


Date: 24 MAY 2017 11:28:14



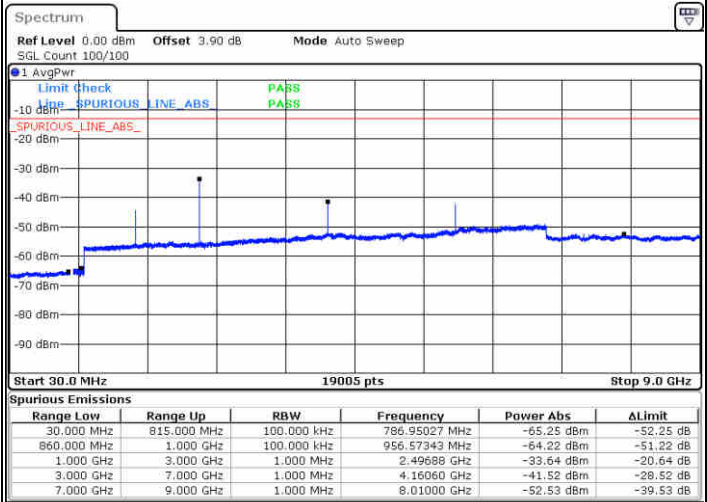
LTE Band 5 / 10MHz

Middle Channel / QPSK



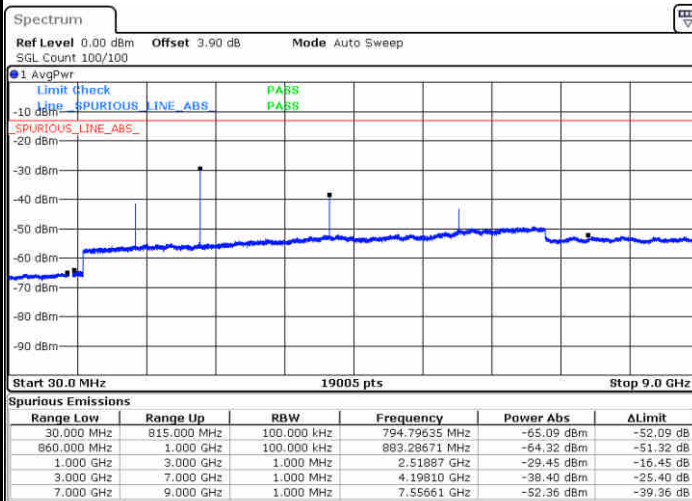
Date: 24 MAY 2017 11:29:51

Middle Channel / 16QAM



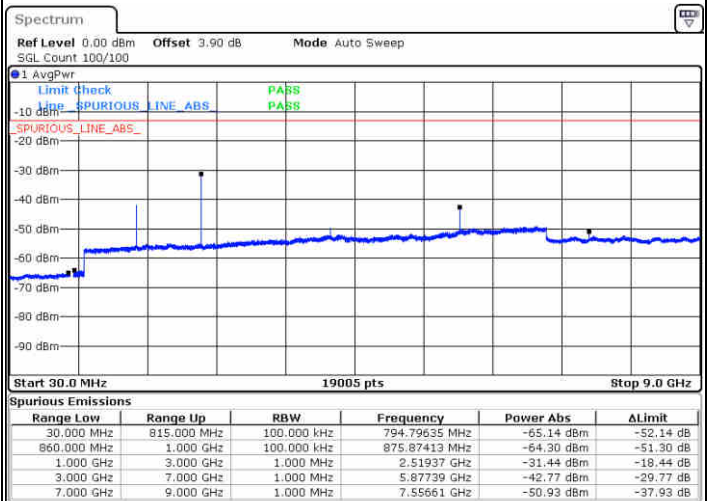
Date: 24 MAY 2017 11:30:46

Highest Channel / QPSK



Date: 24 MAY 2017 11:38:56

Highest Channel / 16QAM

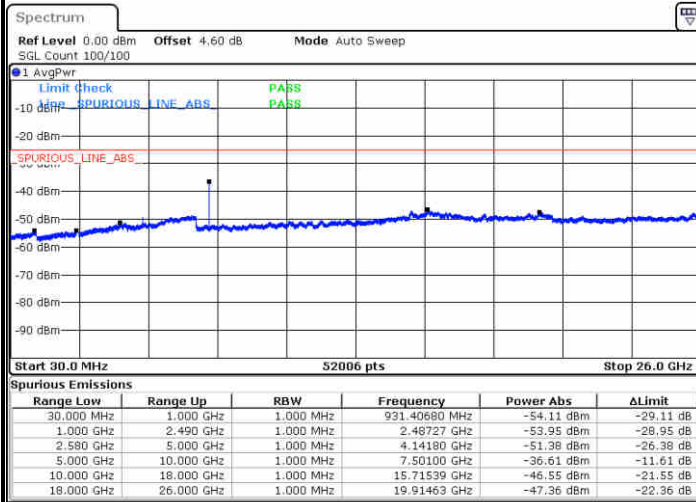


Date: 24 MAY 2017 11:39:51



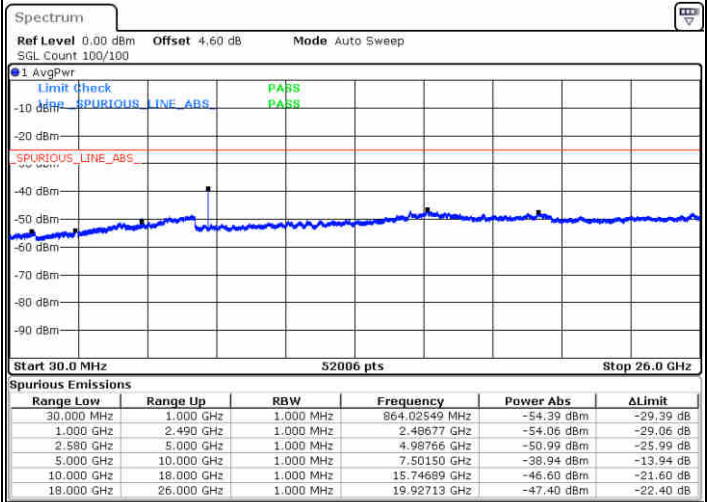
LTE Band 7 / 5MHz

Lowest Channel / QPSK



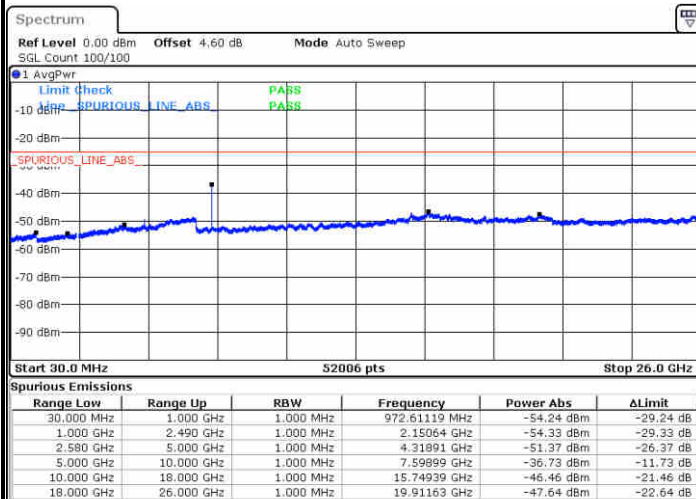
Date: 25 MAY 2017 09:50:02

Lowest Channel / 16QAM



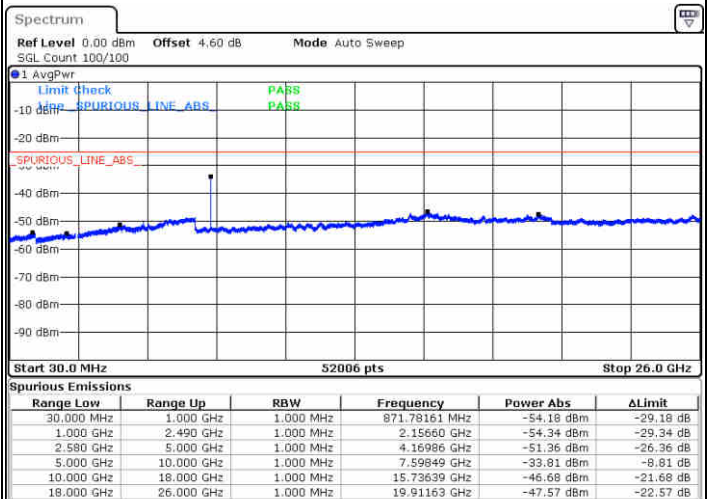
Date: 25 MAY 2017 09:50:57

Middle Channel / QPSK



Date: 25 MAY 2017 09:52:46

Middle Channel / 16QAM

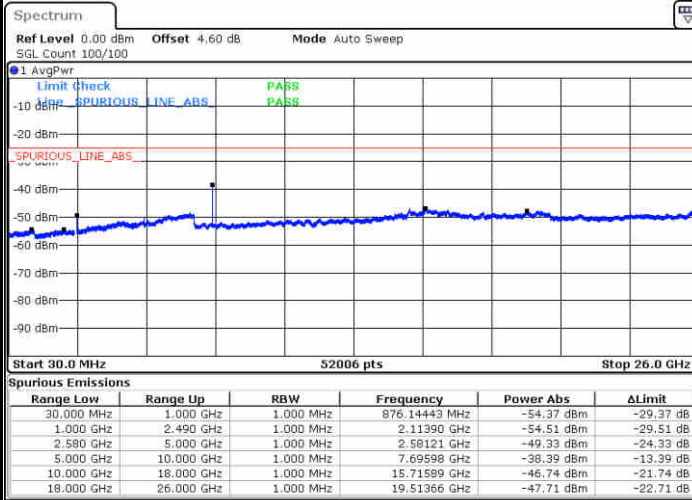


Date: 25 MAY 2017 09:51:51



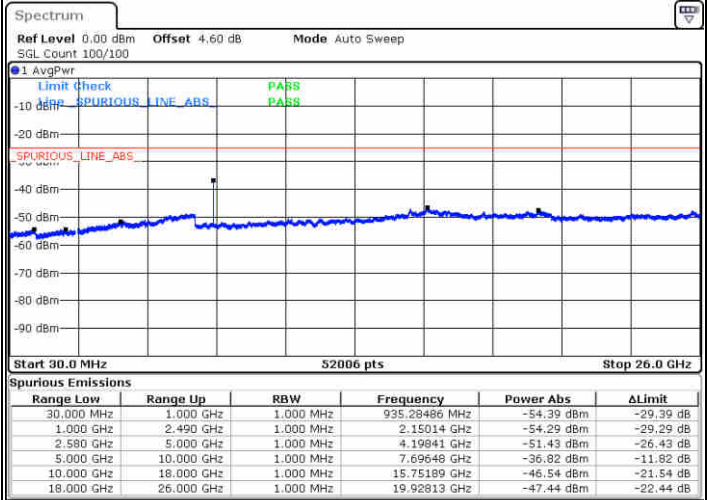
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 25 MAY 2017 09:53:41

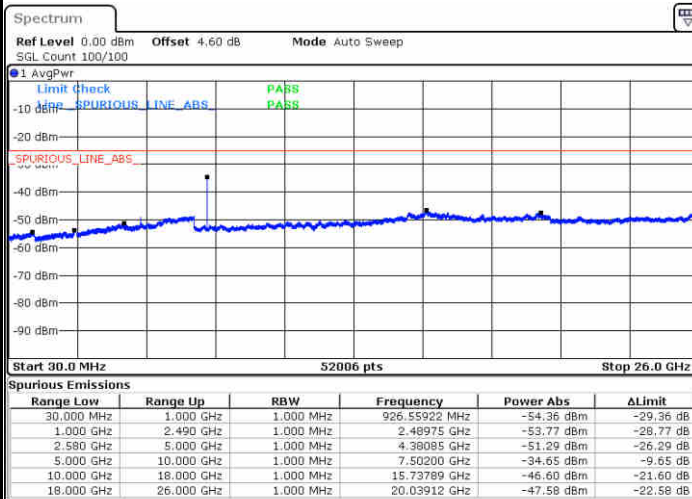
Highest Channel / 16QAM



Date: 25 MAY 2017 09:54:35

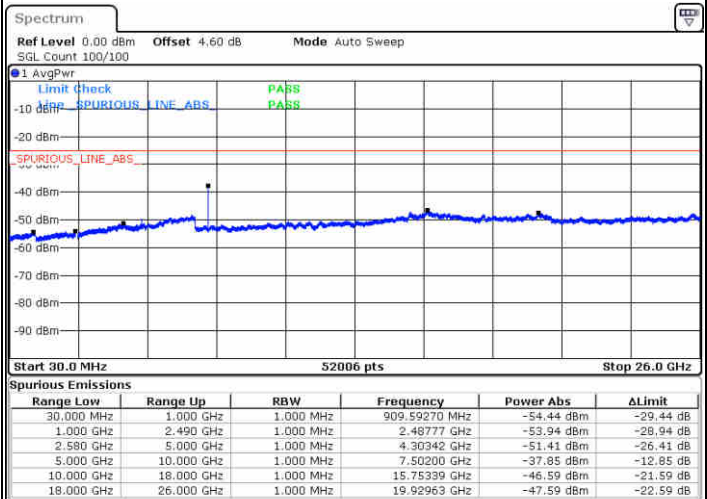
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 25 MAY 2017 10:06:44

Lowest Channel / 16QAM

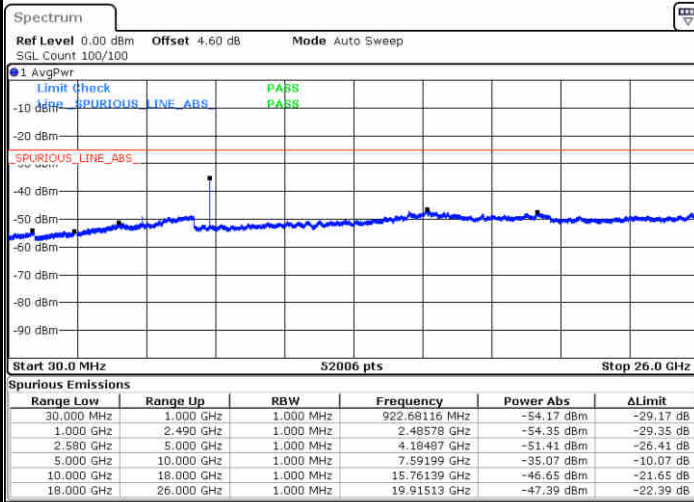


Date: 25 MAY 2017 10:07:39



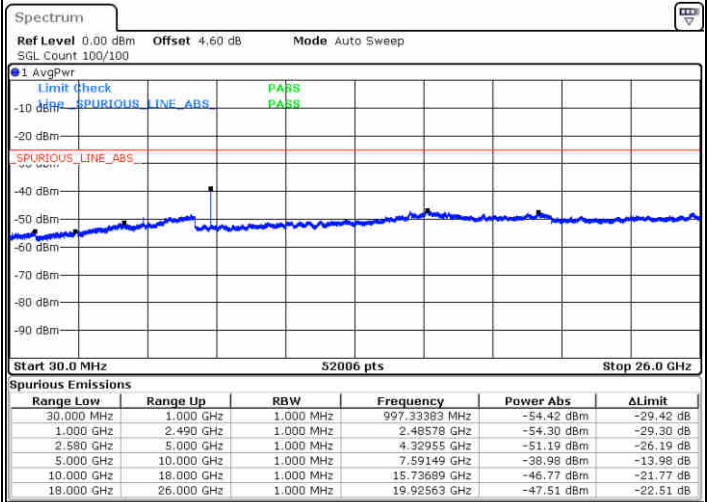
LTE Band 7 / 10MHz

Middle Channel / QPSK



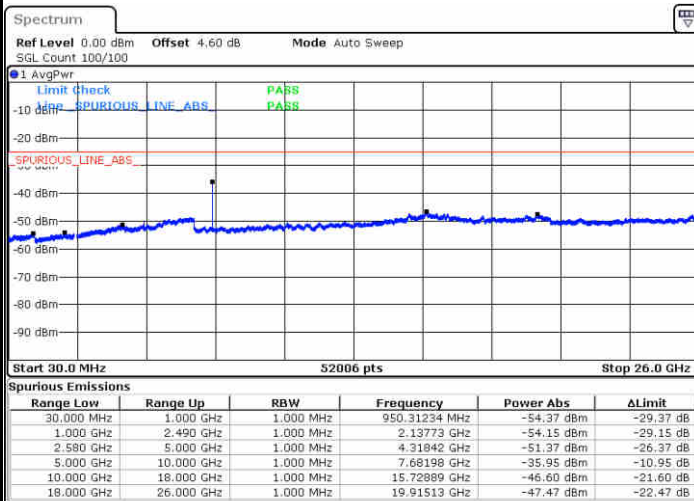
Date: 25 MAY 2017 10 09 28

Middle Channel / 16QAM



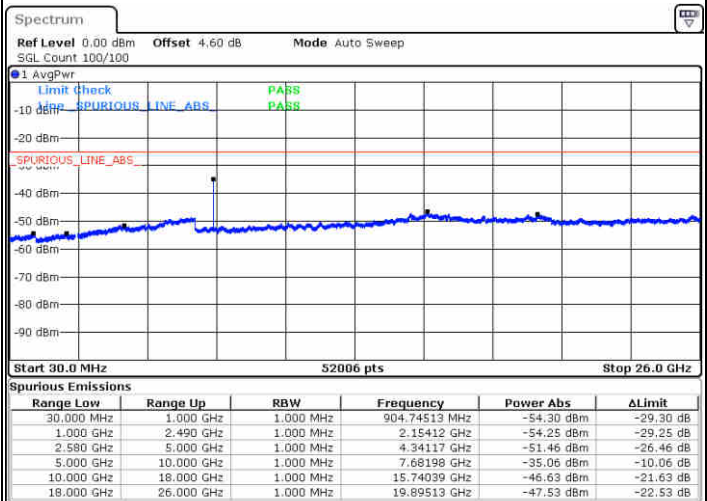
Date: 25 MAY 2017 10 08 34

Highest Channel / QPSK



Date: 25 MAY 2017 10 10 23

Highest Channel / 16QAM

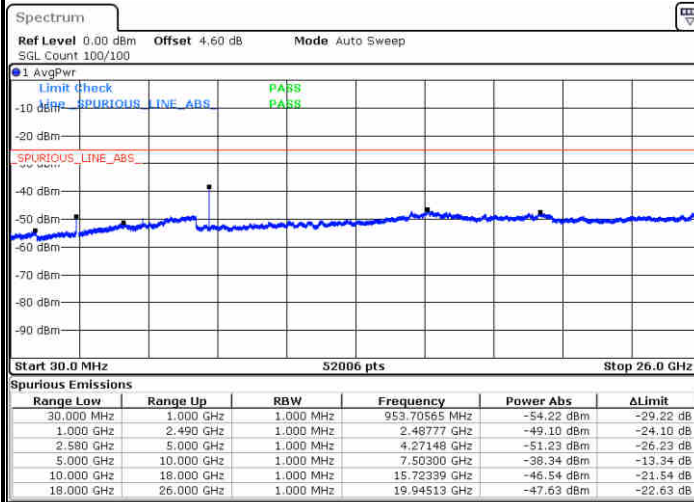


Date: 25 MAY 2017 10 11 17



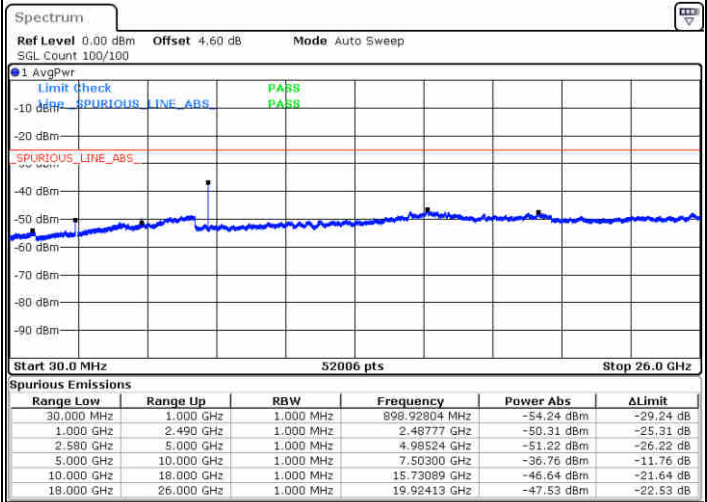
LTE Band 7 / 15MHz

Lowest Channel / QPSK



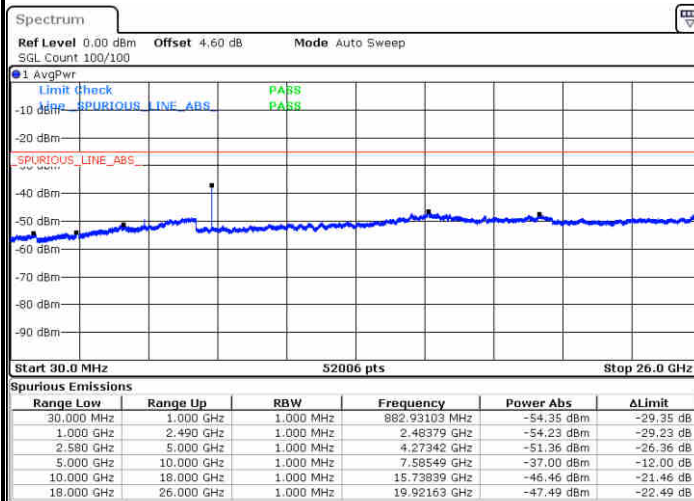
Date: 25 MAY 2017 10:23:27

Lowest Channel / 16QAM



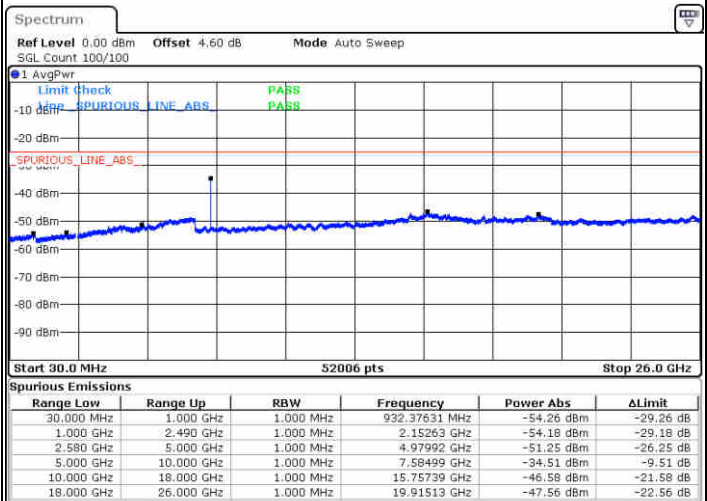
Date: 25 MAY 2017 10:24:21

Middle Channel / QPSK



Date: 25 MAY 2017 10:26:10

Middle Channel / 16QAM

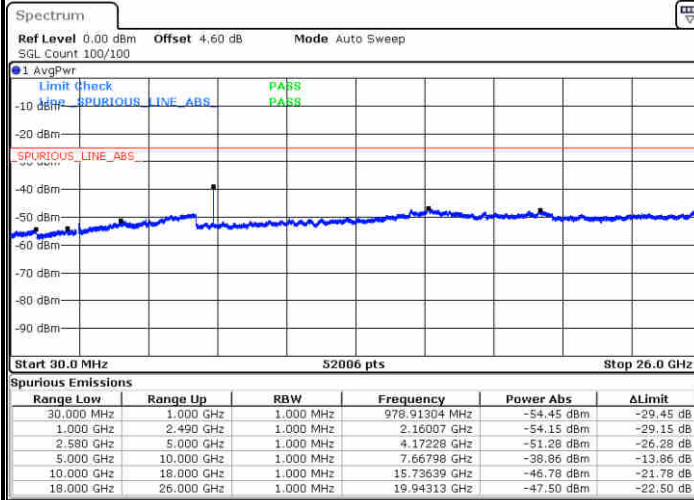


Date: 25 MAY 2017 10:25:16



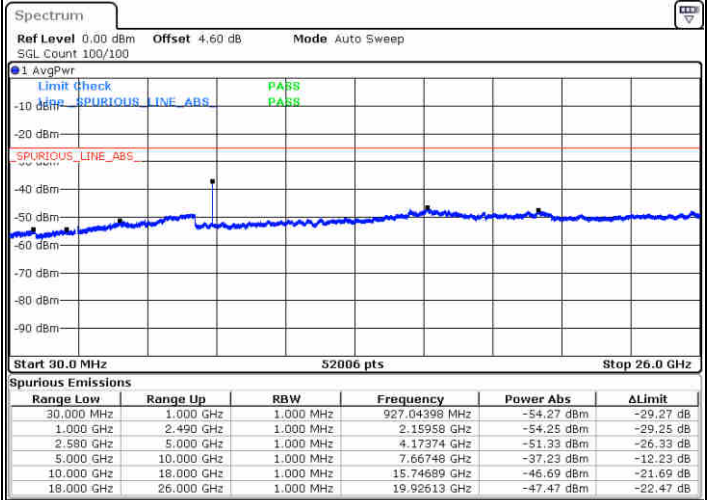
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 25 MAY 2017 10:27:05

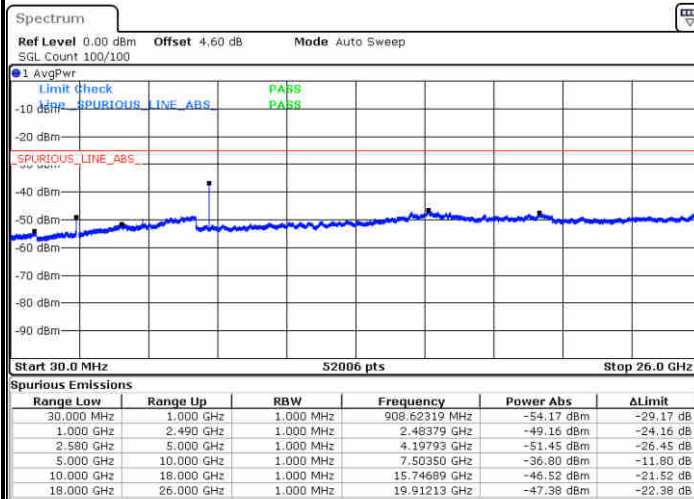
Highest Channel / 16QAM



Date: 25 MAY 2017 10:28:00

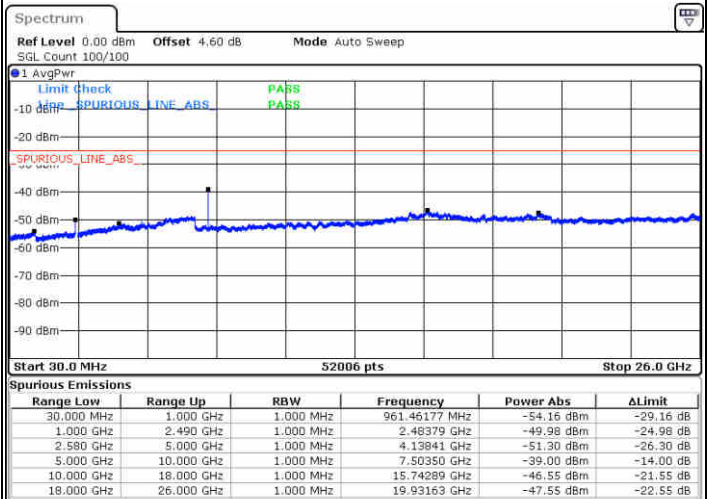
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 25 MAY 2017 10:40:09

Lowest Channel / 16QAM

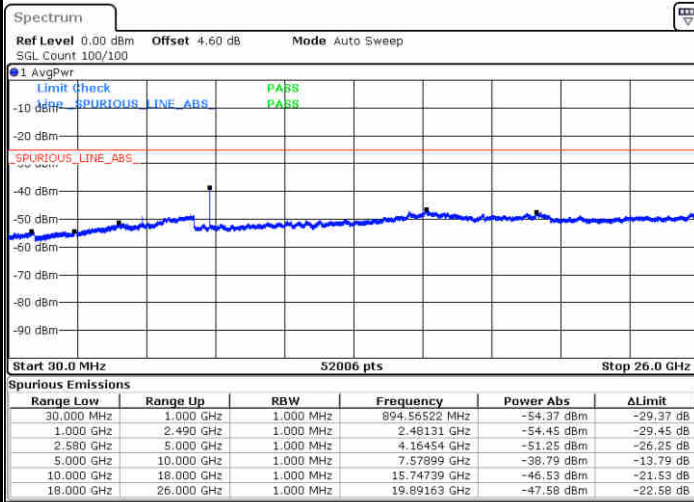


Date: 25 MAY 2017 10:41:04



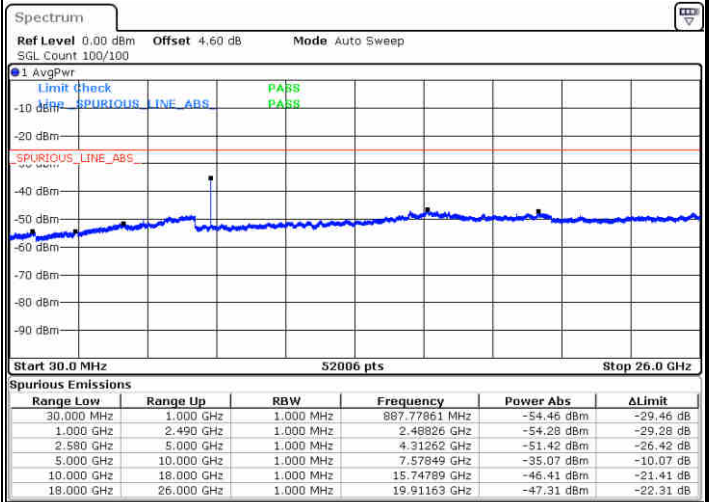
LTE Band 7 / 20MHz

Middle Channel / QPSK



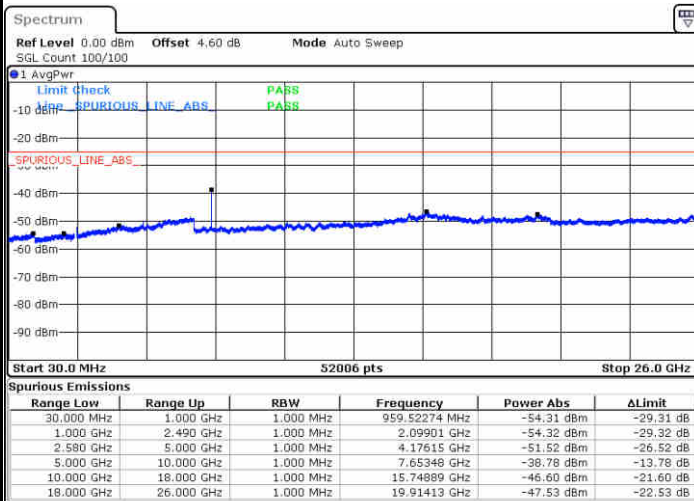
Date: 25 MAY 2017 10:42:53

Middle Channel / 16QAM



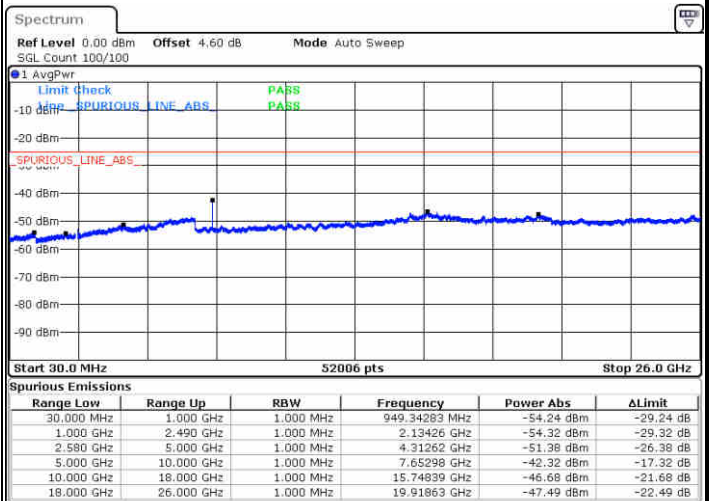
Date: 25 MAY 2017 10:41:59

Highest Channel / QPSK



Date: 25 MAY 2017 10:43:48

Highest Channel / 16QAM

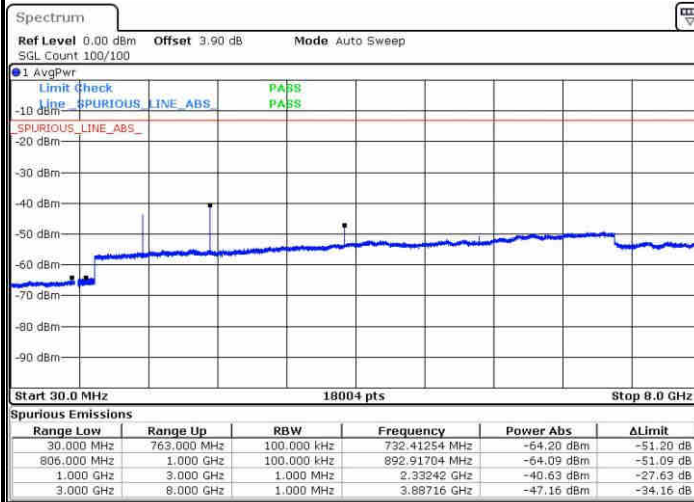


Date: 25 MAY 2017 10:44:42



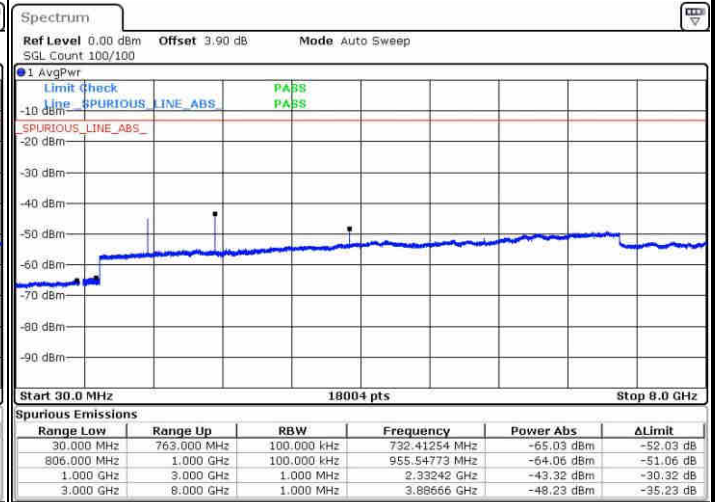
LTE Band 13 / 5MHz

Lowest Channel / QPSK



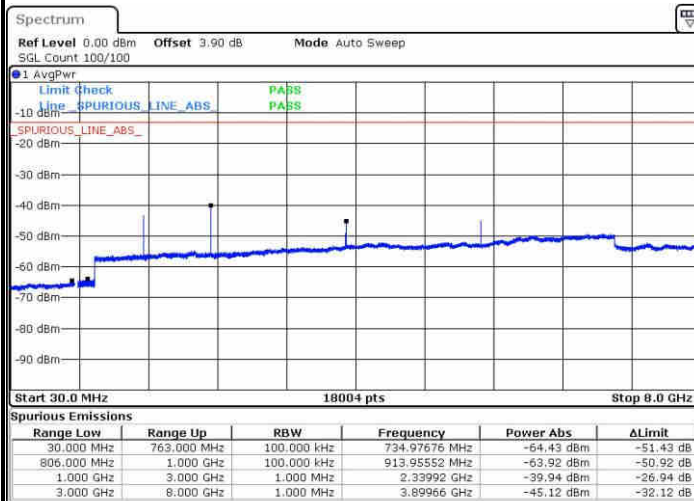
Date: 24 MAY 2017 22:24:45

Lowest Channel / 16QAM



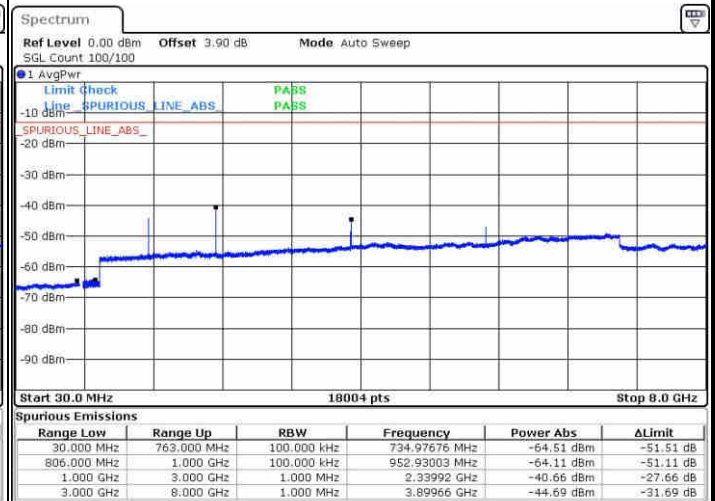
Date: 24 MAY 2017 22:23:49

Middle Channel / QPSK



Date: 24 MAY 2017 22:25:29

Middle Channel / 16QAM

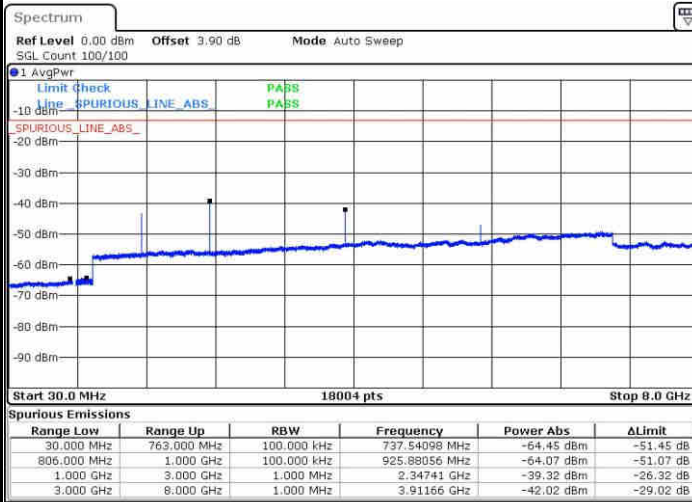


Date: 24 MAY 2017 22:25:59



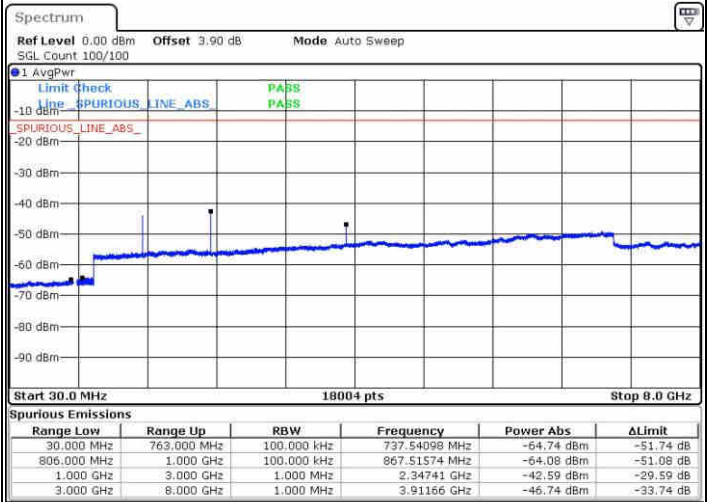
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 24 MAY 2017 22:34:55

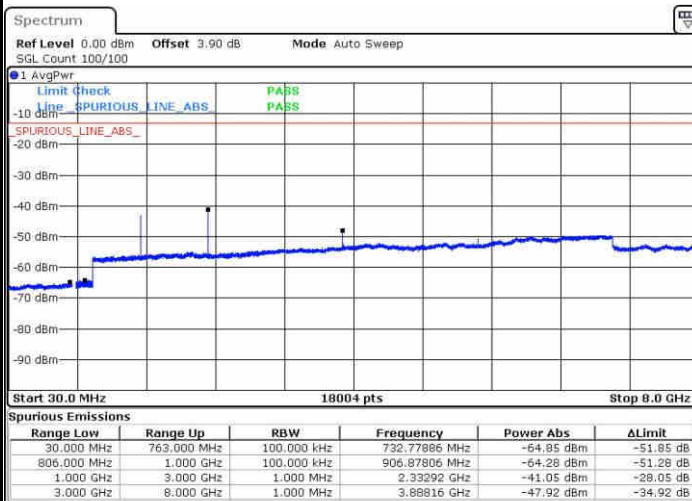
Highest Channel / 16QAM



Date: 24 MAY 2017 22:34:27

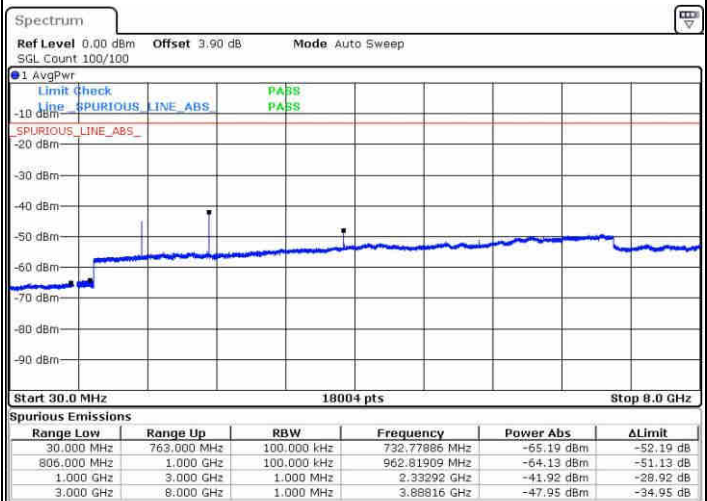
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 24 MAY 2017 22:50:30

Middle Channel / 16QAM

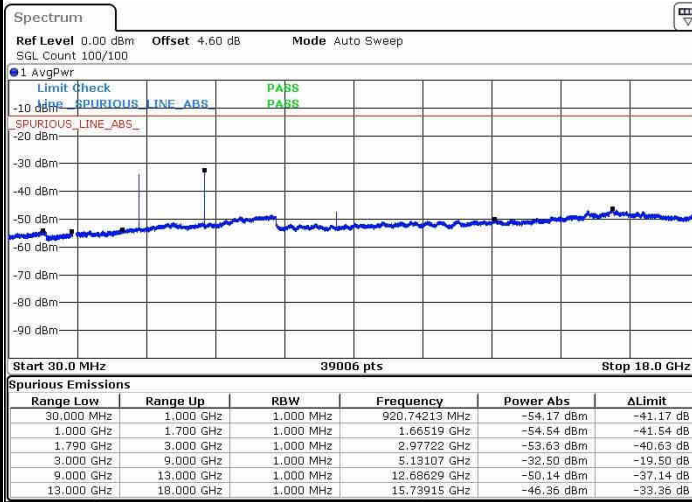


Date: 24 MAY 2017 22:50:04



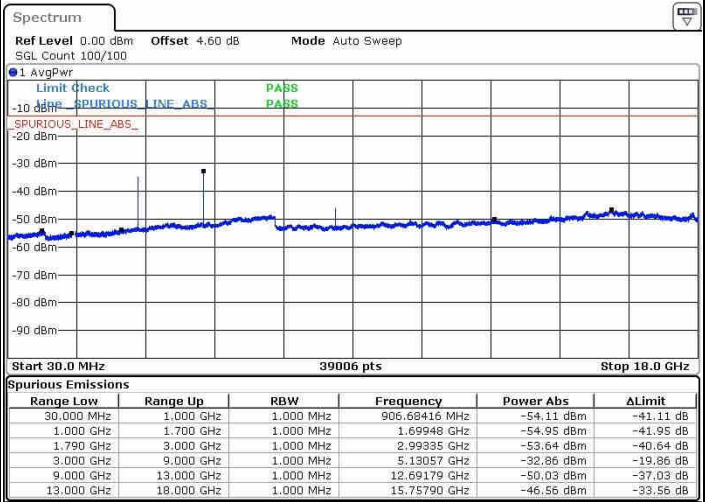
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



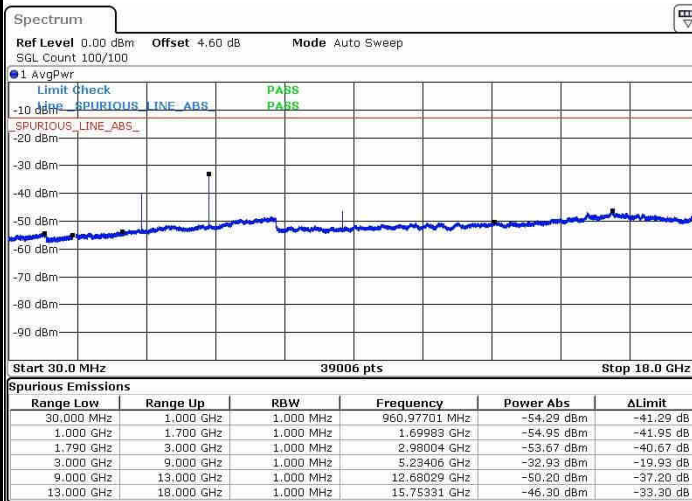
Date: 12 JUN 2017 15:18:01

Lowest Channel / 16QAM



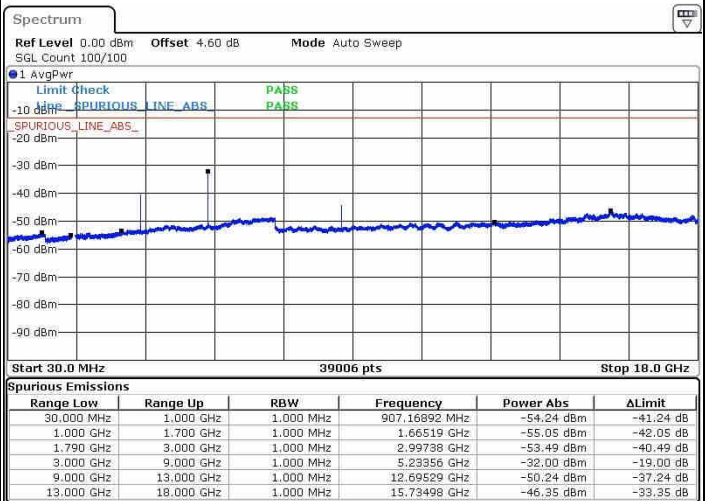
Date: 12 JUN 2017 15:17:13

Middle Channel / QPSK



Date: 12 JUN 2017 15:19:03

Middle Channel / 16QAM

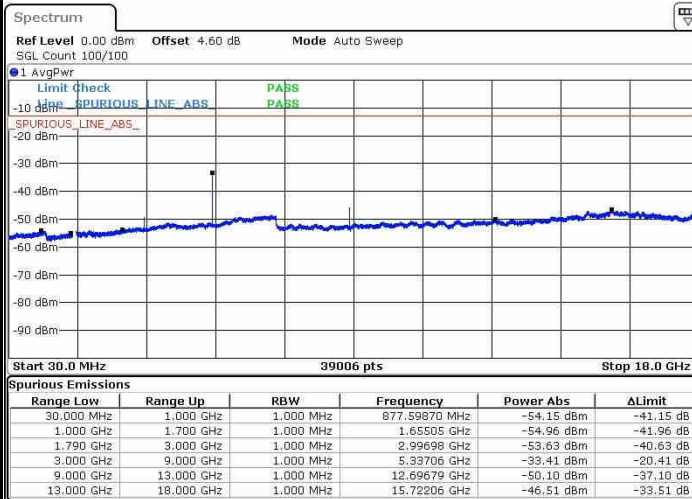


Date: 12 JUN 2017 15:19:51



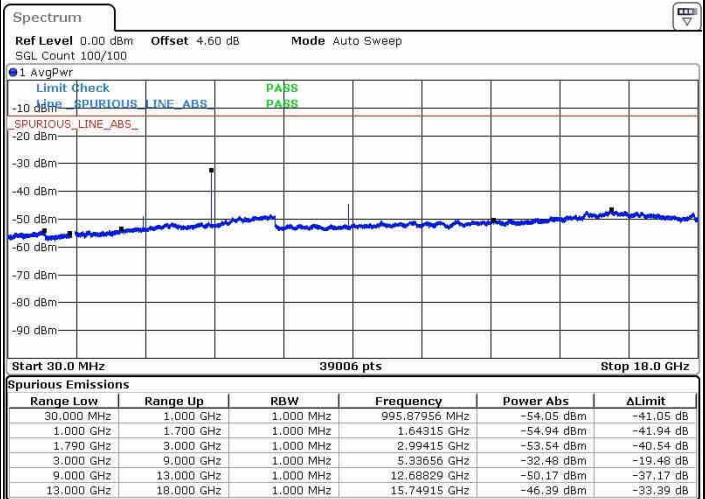
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 12 JUN 2017 15:21:43

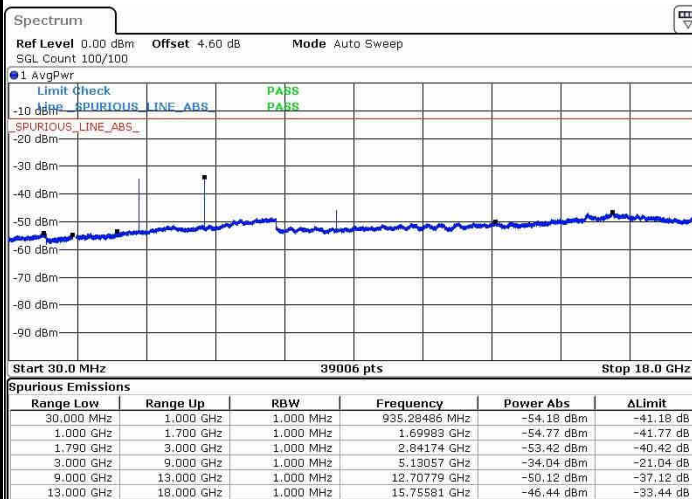
Highest Channel / 16QAM



Date: 12 JUN 2017 15:20:55

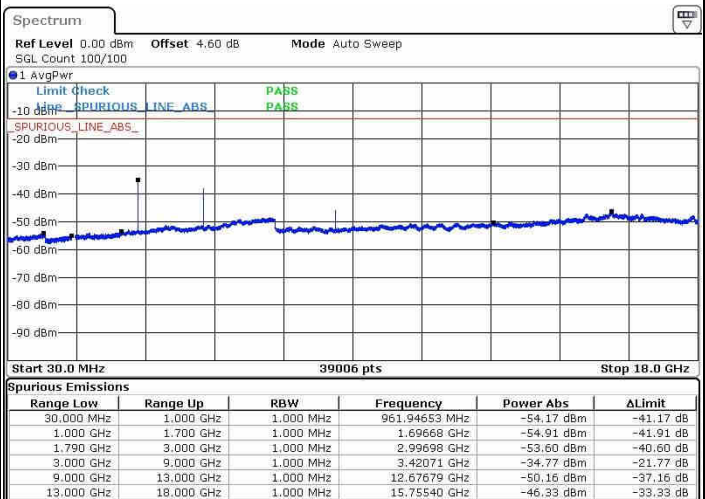
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 12 JUN 2017 15:23:34

Lowest Channel / 16QAM

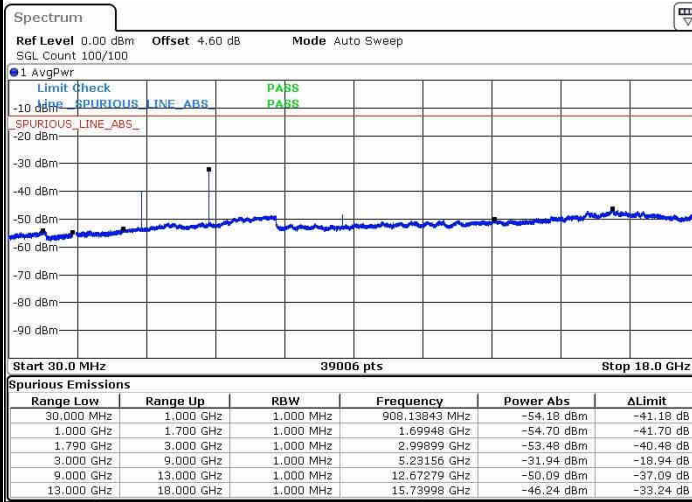


Date: 12 JUN 2017 15:24:19



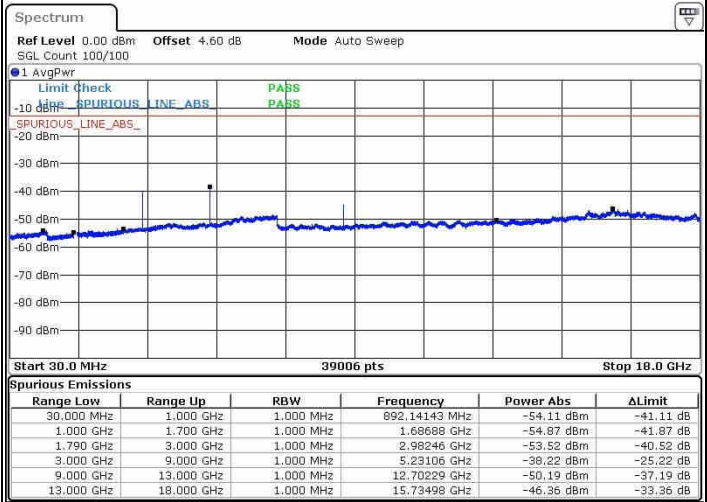
LTE Band 66 / 3MHz

Middle Channel / QPSK



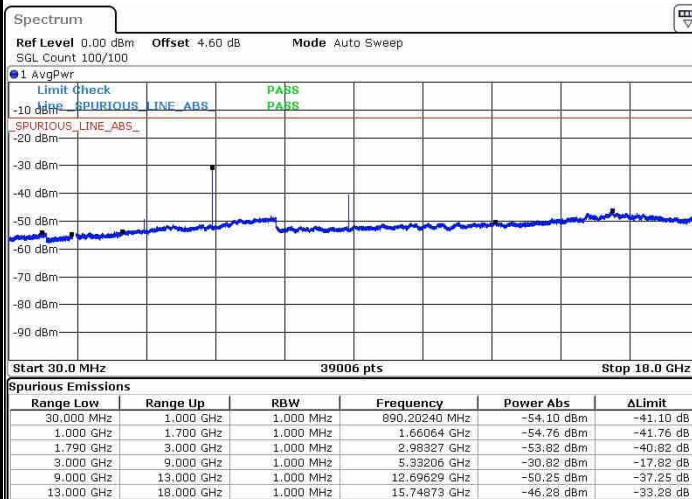
Date: 12 JUN 2017 15:25:51

Middle Channel / 16QAM



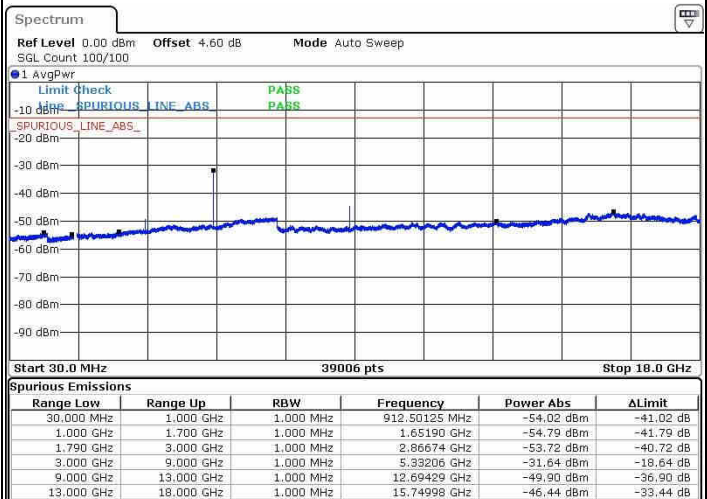
Date: 12 JUN 2017 15:25:08

Highest Channel / QPSK



Date: 12 JUN 2017 15:27:05

Highest Channel / 16QAM

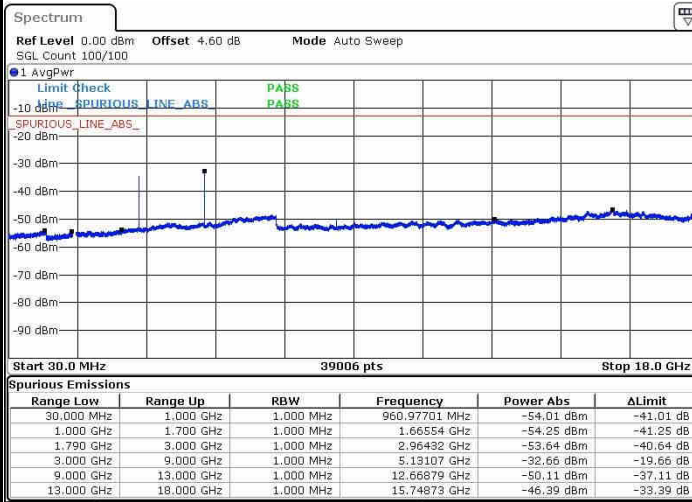


Date: 12 JUN 2017 15:27:50



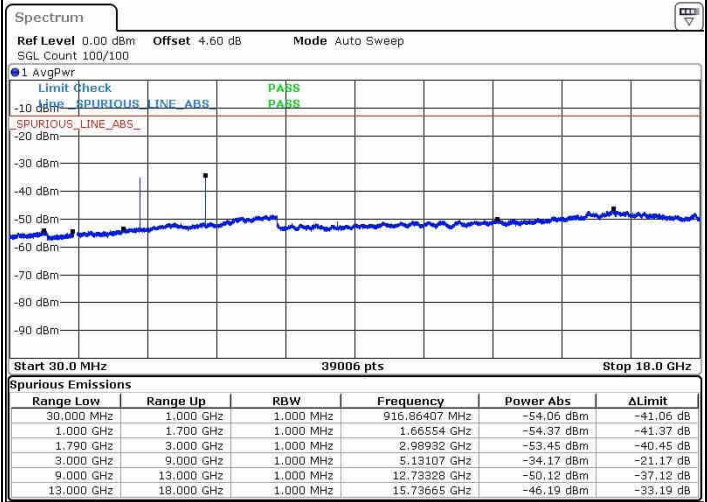
LTE Band 66 / 5MHz

Lowest Channel / QPSK



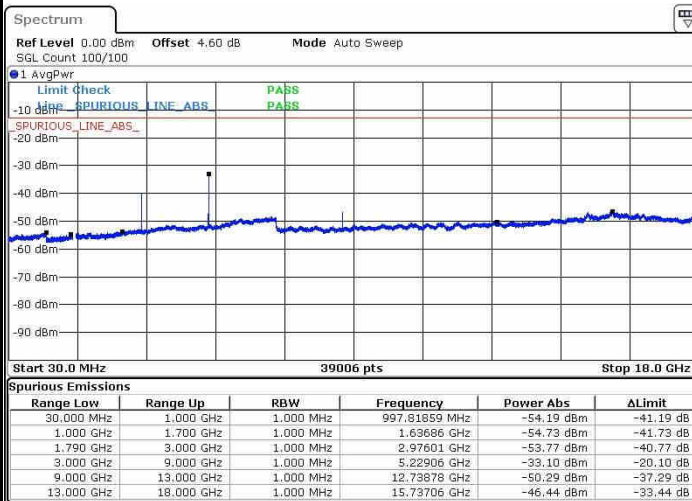
Date: 12 JUN 2017 15:30:35

Lowest Channel / 16QAM



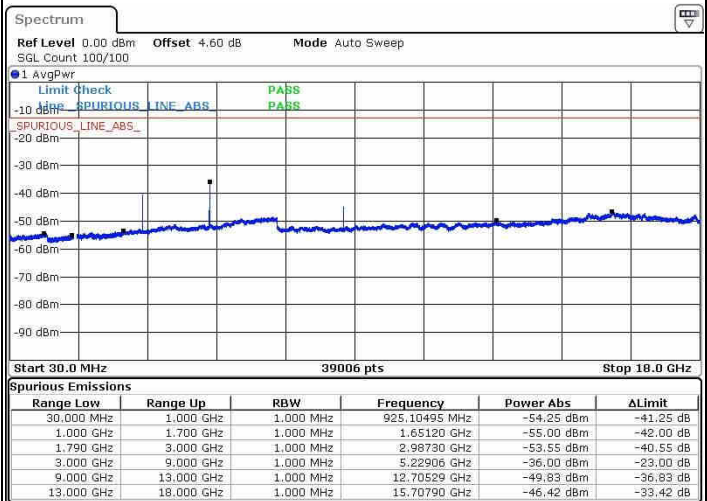
Date: 12 JUN 2017 15:29:52

Middle Channel / QPSK



Date: 12 JUN 2017 15:31:28

Middle Channel / 16QAM

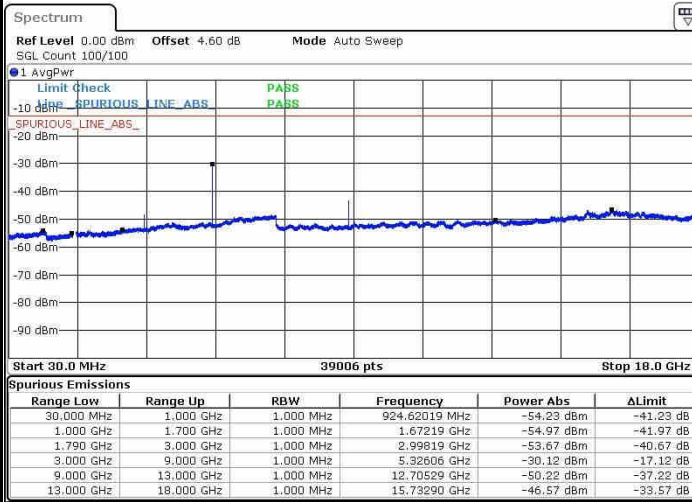


Date: 12 JUN 2017 15:35:52



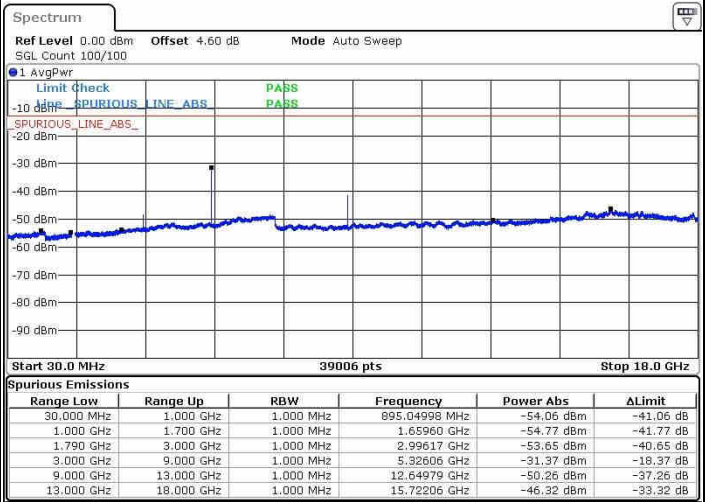
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 12 JUN 2017 15:45:04

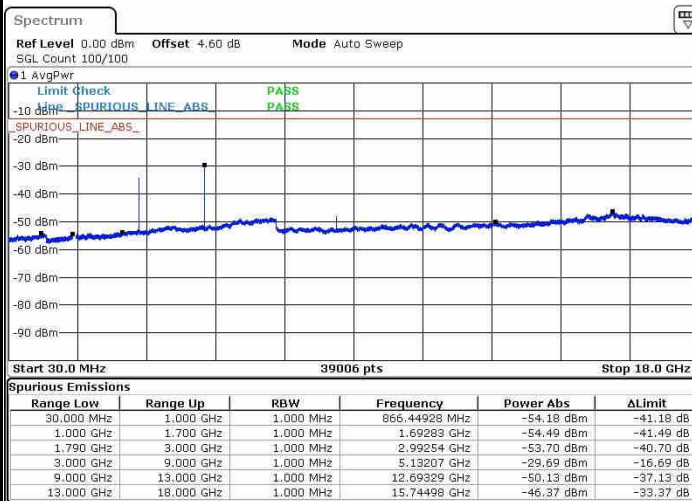
Highest Channel / 16QAM



Date: 12 JUN 2017 15:45:47

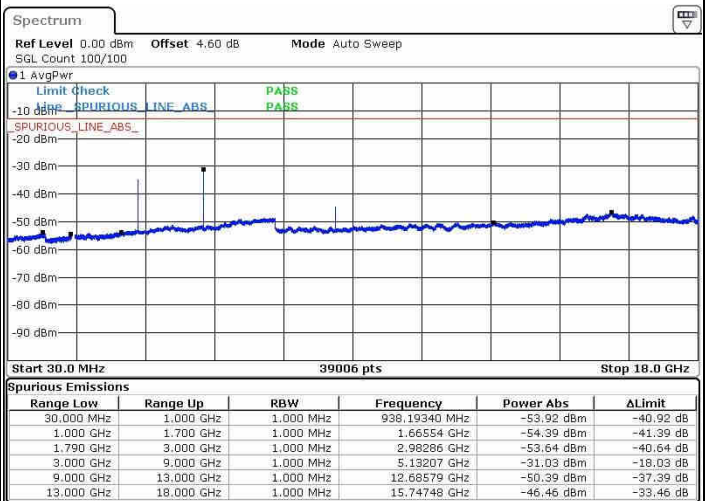
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 12 JUN 2017 15:48:26

Lowest Channel / 16QAM

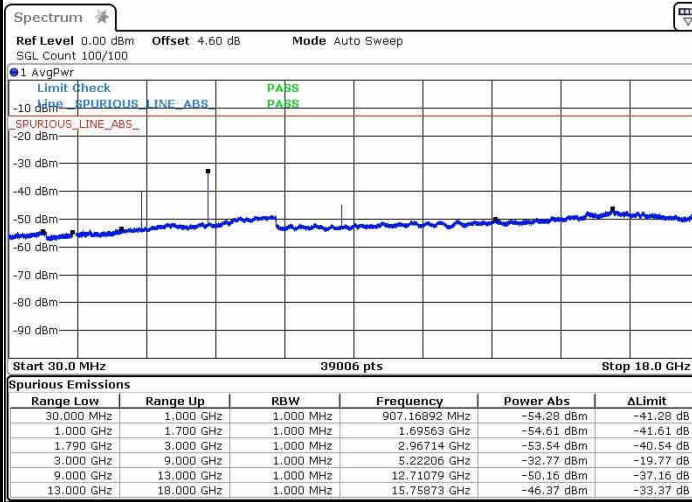


Date: 12 JUN 2017 15:47:42



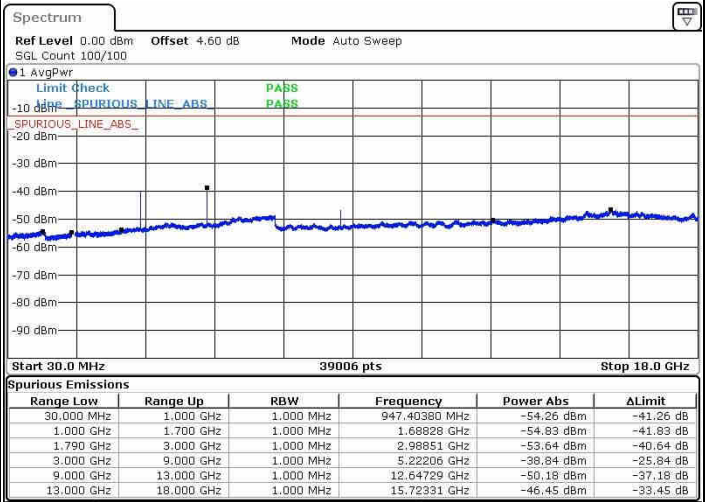
LTE Band 66 / 10MHz

Middle Channel / QPSK



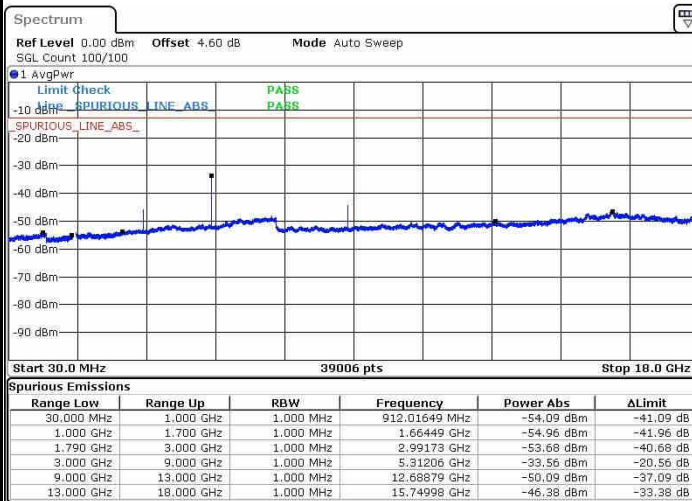
Date: 12 JUN 2017 15:49:34

Middle Channel / 16QAM



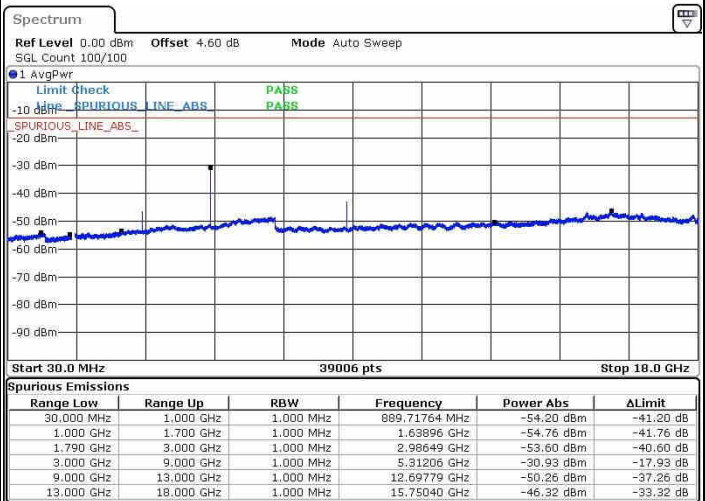
Date: 12 JUN 2017 15:50:19

Highest Channel / QPSK



Date: 12 JUN 2017 15:52:06

Highest Channel / 16QAM

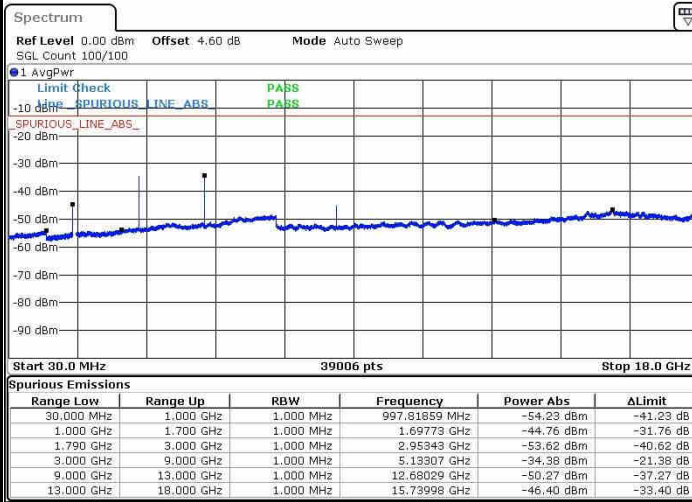


Date: 12 JUN 2017 15:51:24



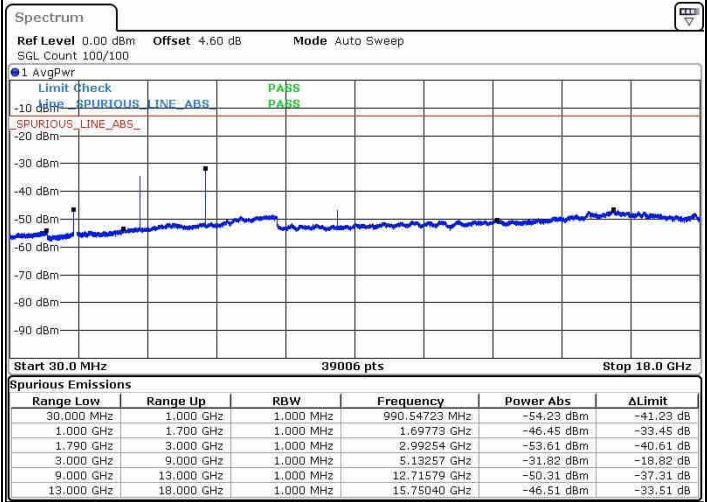
LTE Band 66 / 15MHz

Lowest Channel / QPSK



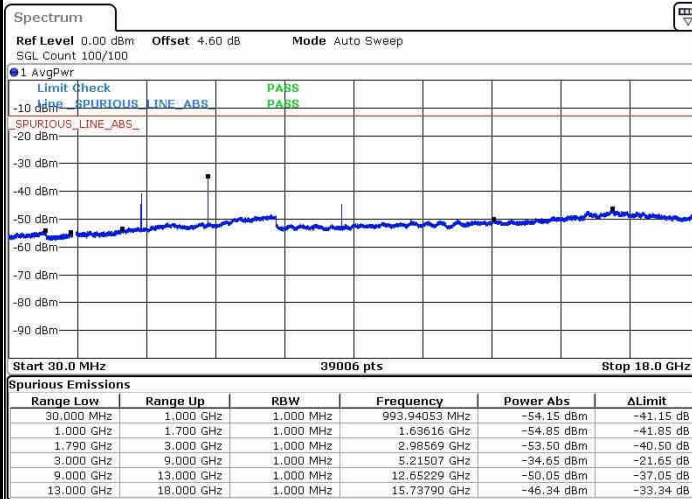
Date: 12 JUN 2017 15:53:52

Lowest Channel / 16QAM



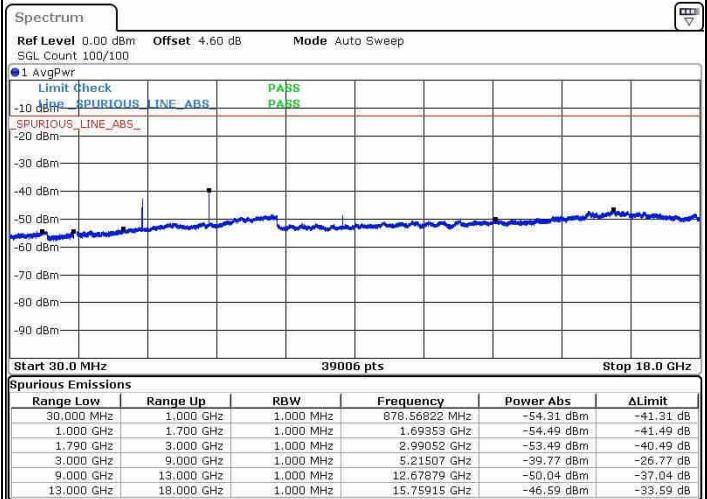
Date: 12 JUN 2017 15:54:34

Middle Channel / QPSK



Date: 12 JUN 2017 15:56:22

Middle Channel / 16QAM

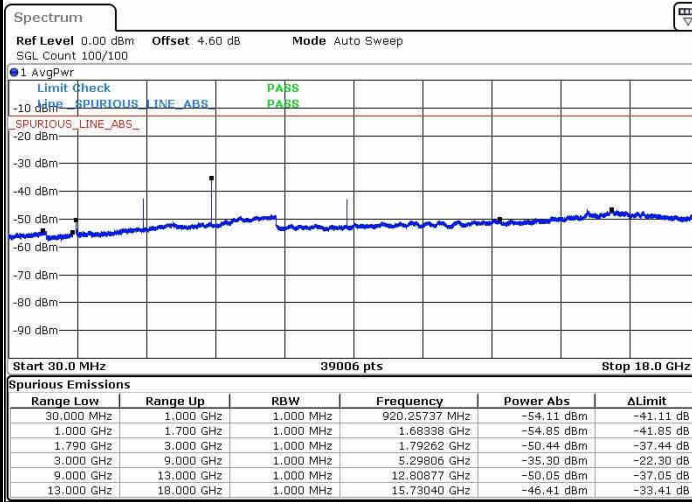


Date: 12 JUN 2017 15:55:32



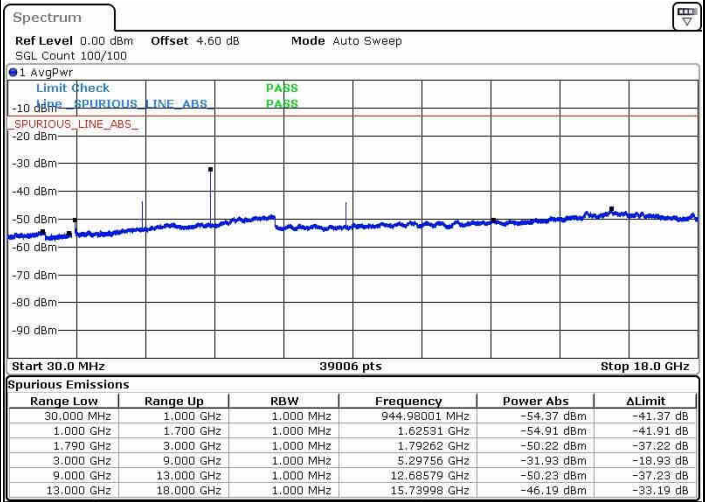
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 12 JUN 2017 15:57:15

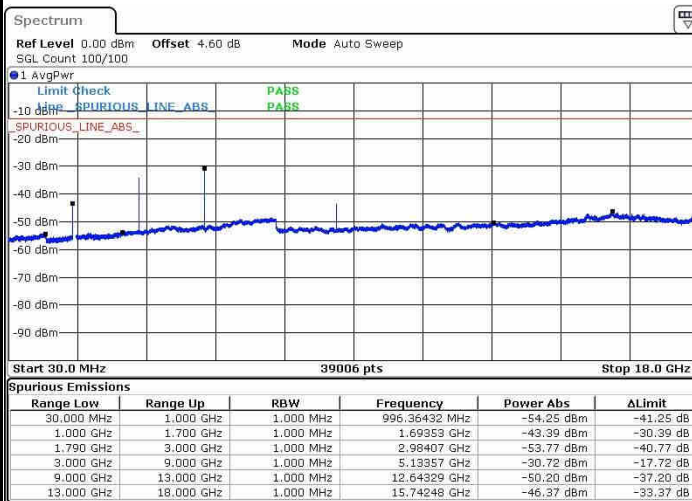
Highest Channel / 16QAM



Date: 12 JUN 2017 15:58:04

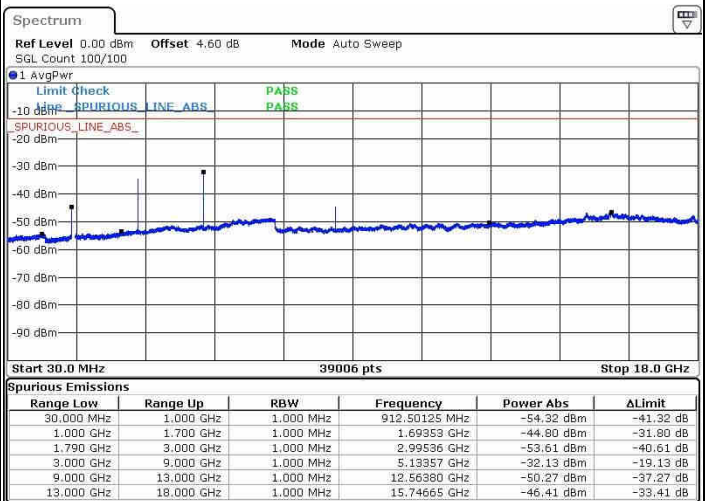
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 12 JUN 2017 15:09:59

Lowest Channel / 16QAM

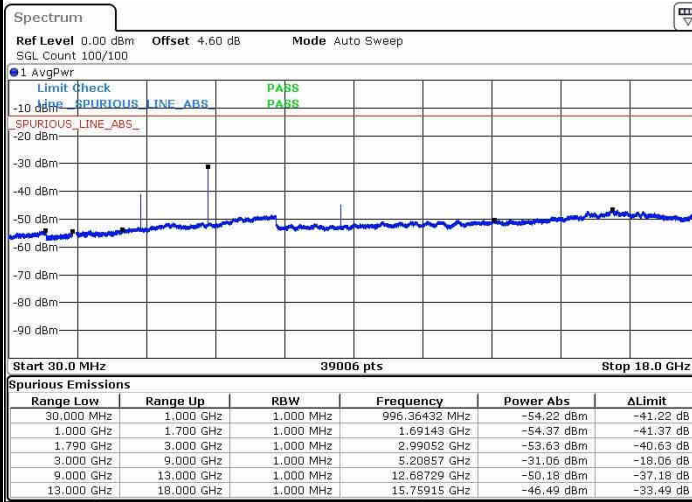


Date: 12 JUN 2017 15:10:41



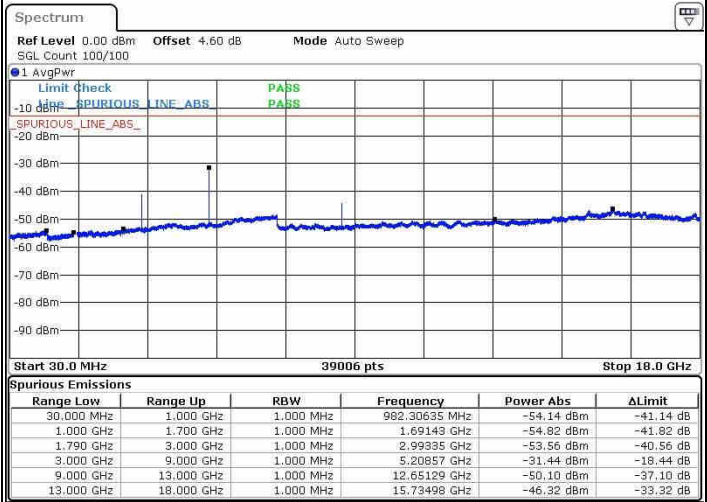
LTE Band 66 / 20MHz

Middle Channel / QPSK



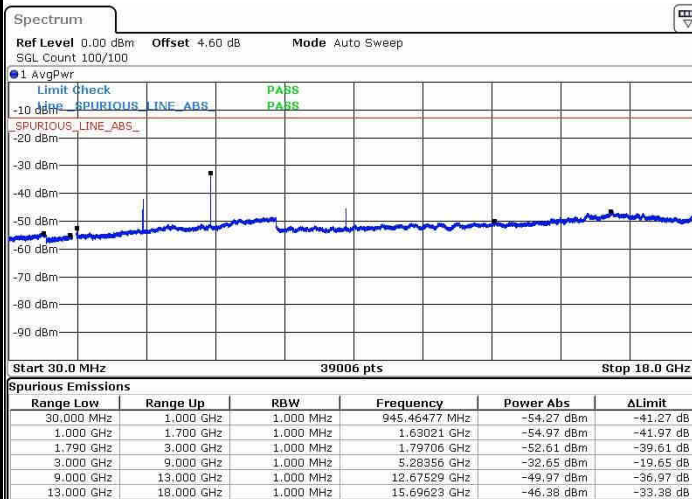
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Middle Channel / 16QAM



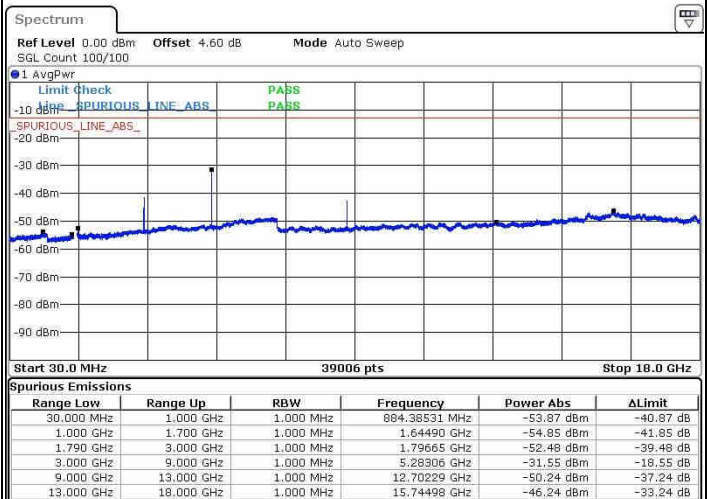
Date: 12 JUN 2017 15:11:36

Highest Channel / QPSK



Date: 12 JUN 2017 15:14:02

Highest Channel / 16QAM



Date: 12 JUN 2017 15:14:46

**Frequency Stability**

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0010	

Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0017	

Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0036	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0017	



Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0005	

Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0050	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0054	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0077	
-20	Normal Voltage	0.0065	
-30	Normal Voltage	0.0082	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0072	
20	Battery End Point	0.0047	

Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0038	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0045	
20	Normal Voltage	0.0030	
20	Battery End Point	0.0010	

Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3759	-55.67	-13	-42.67	-69.91	-57.38	5.08	6.80	H
	5637	-40.43	-13	-27.43	-58.11	-42.10	8.03	9.70	H
	7518	-53.78	-13	-40.78	-75.08	-56.16	9.43	11.81	H
	3759	-60.25	-13	-47.25	-72.68	-61.96	5.08	6.80	V
	5637	-33.88	-13	-20.88	-52.74	-35.55	8.03	9.70	V
	7518	-55.34	-13	-42.34	-76.48	-57.72	9.43	11.81	V

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

LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3756	-56.71	-13	-43.71	-70.95	-58.42	5.08	6.80	H
	5637	-39.23	-13	-26.23	-57.21	-40.90	8.03	9.70	H
	7515	-53.99	-13	-40.99	-75.29	-56.37	9.43	11.81	H
	3756	-60.28	-13	-47.28	-72.71	-61.99	5.08	6.80	V
	5637	-35.11	-13	-22.11	-53.77	-36.78	8.03	9.70	V
	7515	-55.58	-13	-42.58	-76.72	-57.96	9.43	11.81	V

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



LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3756	-55.97	-13	-42.97	-70.21	-57.68	5.08	6.80	H
	5634	-39.27	-13	-26.27	-57.25	-40.94	8.03	9.70	H
	7512	-53.07	-13	-40.07	-74.37	-55.45	9.43	11.81	H
	3756	-60.07	-13	-47.07	-72.5	-61.78	5.08	6.80	V
	5634	-31.08	-13	-18.08	-50.23	-32.75	8.03	9.70	V
	7512	-56.20	-13	-43.20	-77.34	-58.58	9.43	11.81	V

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

LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3750	-56.03	-13	-43.03	-70.27	-57.74	5.08	6.80	H
	5625	-39.40	-13	-26.40	-57.37	-41.07	8.03	9.70	H
	7503	-54.03	-13	-41.03	-75.33	-56.41	9.43	11.81	H
	3750	-59.49	-13	-46.49	-71.92	-61.20	5.08	6.80	V
	5625	-35.36	-13	-22.36	-54	-37.03	8.03	9.70	V
	7503	-56.71	-13	-43.71	-77.85	-59.09	9.43	11.81	V

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



LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3747	-57.63	-13	-44.63	-71.87	-59.34	5.08	6.80	H
	5619	-35.44	-13	-22.44	-54.29	-37.11	8.03	9.70	H
	7494	-53.63	-13	-40.63	-74.93	-56.01	9.43	11.81	H
	3747	-60.81	-13	-47.81	-73.24	-62.52	5.08	6.80	V
	5619	-28.77	-13	-15.77	-48.2	-30.44	8.03	9.70	V
	7494	-56.38	-13	-43.38	-77.52	-58.76	9.43	11.81	V

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

LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3741	-55.67	-13	-42.67	-69.91	-57.38	5.08	6.80	H
	5613	-33.65	-13	-20.65	-52.92	-35.32	8.03	9.70	H
	7485	-55.56	-13	-42.56	-76.86	-57.94	9.43	11.81	H
	3741	-58.25	-13	-45.25	-70.68	-59.96	5.08	6.80	V
	5613	-33.44	-13	-20.44	-52.35	-35.11	8.03	9.70	V
	7485	-56.67	-13	-43.67	-77.81	-59.05	9.43	11.81	V

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



LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3465	-52.32	-13	-39.32	-62.18	-56.29	4.87	8.84	H
	5196	-29.29	-13	-16.29	-49.33	-30.74	7.70	9.14	H
	6927	-59.43	-13	-46.43	-77.90	-61.11	8.98	10.66	H
	8661	-48.06	-13	-35.06	-67.81	-50.79	10.13	12.86	H
	3465	-43.27	-13	-30.27	-59.01	-47.24	4.87	8.84	V
	5196	-30.37	-13	-17.37	-50.25	-31.82	7.70	9.14	V
	6927	-59.73	-13	-46.73	-77.75	-61.41	8.98	10.66	V
	8661	-47.18	-13	-34.18	-67.83	-49.91	10.13	12.86	V

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

LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3462	-48.29	-13	-35.29	-60.49	-52.26	4.87	8.84	H
	5193	-30.74	-13	-17.74	-50.66	-32.18	7.70	9.14	H
	6924	-59.57	-13	-46.57	-78.04	-61.25	8.98	10.66	H
	8655	-47.73	-13	-34.73	-67.48	-50.46	10.13	12.86	H
	3462	-43.20	-13	-30.20	-58.96	-47.17	4.87	8.84	V
	5193	-28.45	-13	-15.45	-48.56	-29.89	7.70	9.14	V
	6924	-60.47	-13	-47.47	-78.49	-62.15	8.98	10.66	V
	8655	-49.34	-13	-36.34	-69.99	-52.07	10.13	12.86	V

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



LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3459	-50.88	-13	-37.88	-61.59	-54.85	4.87	8.84	H
	5190	-33.54	-13	-20.54	-53.15	-34.98	7.70	9.14	H
	6921	-59.31	-13	-46.31	-77.78	-60.99	8.98	10.66	H
	8652	-47.73	-13	-34.73	-67.48	-50.46	10.13	12.86	H
	3459	-46.45	-13	-33.45	-61.4	-50.42	4.87	8.84	V
	5190	-32.57	-13	-19.57	-52.17	-34.01	7.70	9.14	V
	6921	-60.53	-13	-47.53	-78.55	-62.21	8.98	10.66	V
	8652	-51.39	-13	-38.39	-72.04	-54.12	10.13	12.86	V

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

LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3456	-47.17	-13	-34.17	-59.80	-51.14	4.87	8.84	H
	5184	-34.60	-13	-21.60	-53.99	-36.05	7.70	9.14	H
	6912	-58.99	-13	-45.99	-77.46	-60.67	8.98	10.66	H
	8640	-49.26	-13	-36.26	-69.01	-51.99	10.13	12.86	H
	3456	-43.64	-13	-30.64	-59.25	-47.61	4.87	8.84	V
	5184	-22.05	-13	-9.05	-42.53	-23.50	7.70	9.14	V
	6912	-60.01	-13	-47.01	-78.03	-61.69	8.98	10.66	V
	8640	-49.27	-13	-36.27	-69.92	-52.00	10.13	12.86	V

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



LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3450	-48.69	-13	-35.69	-60.80	-52.66	4.87	8.84	H
	5178	-39.42	-13	-26.42	-57.37	-40.86	7.70	9.14	H
	6903	-58.82	-13	-45.82	-77.29	-60.50	8.98	10.66	H
	8628	-47.80	-13	-34.80	-67.55	-50.53	10.13	12.86	H
	3450	-44.46	-13	-31.46	-60.02	-48.43	4.87	8.84	V
	5178	-33.59	-13	-20.59	-52.97	-35.03	7.70	9.14	V
	6903	-60.93	-13	-47.93	-78.95	-62.61	8.98	10.66	V
	8628	-55.51	-13	-42.51	-76.16	-58.24	10.13	12.86	V

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

LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3447	-47.89	-13	-34.89	-60.21	-51.86	4.87	8.84	H
	5169	-40.11	-13	-27.11	-57.73	-41.56	7.70	9.14	H
	6894	-59.24	-13	-46.24	-77.71	-60.92	8.98	10.66	H
	8619	-50.78	-13	-37.78	-70.53	-53.51	10.13	12.86	H
	3447	-44.06	-13	-31.06	-59.56	-48.03	4.87	8.84	V
	5169	-27.55	-13	-14.55	-47.7	-28.99	7.70	9.14	V
	6894	-58.75	-13	-45.75	-76.77	-60.43	8.98	10.66	V
	8619	-51.59	-13	-38.59	-72.24	-54.32	10.13	12.86	V

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



LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1672	-54.11	-13	-41.11	-58.34	-56.43	1.33	5.80	H
	2508	-19.32	-13	-6.32	-31.51	-22.49	1.58	6.90	H
	3345	-59.03	-13	-46.03	-68.24	-62.53	1.85	7.50	H
	4179	-36.52	-13	-23.52	-50.13	-39.56	2.11	7.30	H
	5016	-60.71	-13	-47.71	-75.75	-65.25	2.31	9.00	H
	5853	-46.06	-13	-33.06	-62.67	-52.14	2.61	10.84	H
	1672	-48.39	-13	-35.39	-53.93	-50.71	1.33	5.80	V
	2508	-24.77	-13	-11.77	-37.18	-27.94	1.58	6.90	V
	3345	-62.00	-13	-49.00	-71.02	-65.50	1.85	7.50	V
	4179	-33.87	-13	-20.87	-46.66	-36.91	2.11	7.30	V
	5016	-63.95	-13	-50.95	-75.83	-68.49	2.31	9.00	V
	5853	-42.66	-13	-29.66	-59.22	-48.74	2.61	10.84	V

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

LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1670	-53.90	-13	-40.90	-58.17	-56.22	1.33	5.80	H
	2506	-26.50	-13	-13.50	-39.66	-29.67	1.58	6.90	H
	3342	-59.49	-13	-46.49	-68.70	-62.99	1.85	7.50	H
	4176	-35.17	-13	-22.17	-48.94	-38.21	2.11	7.30	H
	5010	-61.31	-13	-48.31	-76.35	-65.85	2.31	9.00	H
	5847	-45.14	-13	-32.14	-61.75	-51.22	2.61	10.84	H
	1670	-48.89	-13	-35.89	-54.34	-51.21	1.33	5.80	V
	2506	-27.46	-13	-14.46	-39.83	-30.63	1.58	6.90	V
	3339	-61.79	-13	-48.79	-70.81	-65.29	1.85	7.50	V
	4176	-40.04	-13	-27.04	-52.12	-43.08	2.11	7.30	V
	5010	-64.43	-13	-51.43	-76.31	-68.97	2.31	9.00	V
	5847	-41.24	-13	-28.24	-58.11	-47.32	2.61	10.84	V

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



LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1668	-52.89	-13	-39.89	-57.42	-55.21	1.33	5.80	H
	2502	-24.06	-13	-11.06	-37.32	-27.23	1.58	6.90	H
	3336	-57.35	-13	-44.35	-66.56	-60.85	1.85	7.50	H
	4170	-42.52	-13	-29.52	-55.03	-45.56	2.11	7.30	H
	5007	-60.82	-13	-47.82	-75.86	-65.36	2.31	9.00	H
	5841	-45.54	-13	-32.54	-62.15	-51.62	2.61	10.84	H
	1668	-48.08	-13	-35.08	-53.67	-50.40	1.33	5.80	V
	2502	-28.80	-13	-15.80	-41.14	-31.97	1.58	6.90	V
	3336	-61.30	-13	-48.30	-70.32	-64.80	1.85	7.50	V
	4170	-46.88	-13	-33.88	-57.46	-49.92	2.11	7.30	V
	5007	-64.06	-13	-51.06	-75.94	-68.60	2.31	9.00	V
	5841	-40.53	-13	-27.53	-57.59	-46.61	2.61	10.84	V

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

LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-52.86	-13	-39.86	-57.40	-55.18	1.33	5.80	H
	2496	-26.04	-13	-13.04	-39.24	-29.21	1.58	6.90	H
	3327	-56.87	-13	-43.87	-66.08	-60.37	1.85	7.50	H
	4161	-38.25	-13	-25.25	-51.55	-41.29	2.11	7.30	H
	4992	-60.15	-13	-47.15	-75.19	-64.69	2.31	9.00	H
	5823	-40.45	-13	-27.45	-58.09	-46.53	2.61	10.84	H
	1664	-50.18	-13	-37.18	-55.38	-52.50	1.33	5.80	V
	2496	-26.93	-13	-13.93	-39.32	-30.10	1.58	6.90	V
	3327	-61.03	-13	-48.03	-70.05	-64.53	1.85	7.50	V
	4161	-42.43	-13	-29.43	-54.13	-45.47	2.11	7.30	V
	4992	-64.60	-13	-51.60	-76.48	-69.14	2.31	9.00	V
	5823	-37.82	-13	-24.82	-55.80	-43.90	2.61	10.84	V

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



LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	5066	-47.61	-25	-22.61	-37.41	-54.05	2.54	8.97	H
	7598	-37.06	-25	-12.06	-32.16	-45.22	3.71	11.86	H
	10130	-62.45	-25	-37.45	-61.00	-70.96	3.59	12.11	H
	5066	-48.91	-25	-23.91	-38.36	-55.34	2.54	8.97	V
	7598	-38.19	-25	-13.19	-34.38	-46.34	3.71	11.86	V
	10130	-62.92	-25	-37.92	-61.53	-71.43	3.59	12.11	V

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

LTE Band 7 / 10MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	5060	-46.87	-25	-21.87	-37.00	-53.31	2.54	8.97	H
	7592	-36.43	-25	-11.43	-31.62	-44.58	3.71	11.86	H
	10120	-63.61	-25	-38.61	-62.16	-72.12	3.59	12.11	H
	5060	-47.08	-25	-22.08	-37.18	-53.51	2.54	8.97	V
	7592	-36.55	-25	-11.55	-33	-44.71	3.71	11.86	V
	10120	-63.26	-25	-38.26	-61.87	-71.77	3.59	12.11	V

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



LTE Band 7 / 15MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	5057	-49.15	-25	-24.15	-38.32	-55.59	2.54	8.97	H
	7583	-41.93	-25	-16.93	-35.80	-50.08	3.71	11.86	H
	10110	-63.25	-25	-38.25	-61.80	-71.76	3.59	12.11	H
	5057	-54.48	-25	-29.48	-41.13	-60.91	2.54	8.97	V
	7583	-39.96	-25	-14.96	-35.94	-48.11	3.71	11.86	V
	10110	-62.70	-25	-37.70	-61.31	-71.21	3.59	12.11	V

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

LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	5051	-47.94	-25	-22.94	-37.59	-54.38	2.54	8.97	H
	7577	-37.72	-25	-12.72	-32.55	-45.88	3.71	11.86	H
	10100	-63.09	-25	-38.09	-61.64	-71.60	3.59	12.11	H
	5051	-43.43	-25	-18.43	-34.5	-49.87	2.54	8.97	V
	7577	-32.11	-25	-7.11	-28.97	-40.26	3.71	11.86	V
	10100	-55.10	-25	-30.10	-53.71	-63.61	3.59	12.11	V

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



LTE Band 13 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-61.83	-40	-21.83	-64.93	-65.21	1.17	4.55	H
	2338	-52.76	-13	-39.76	-59.89	-54.56	1.40	5.35	H
	3120	-73.00	-13	-60.00	-76.97	-75.27	1.68	6.10	H
	3900	-63.07	-13	-50.07	-70.70	-65.81	1.89	6.78	H
	1560	-50.17	-40	-10.17	-57.16	-53.55	1.17	4.55	V
	2346	-38.51	-13	-25.51	-48.46	-40.31	1.40	5.35	V
	3120	-71.54	-13	-58.54	-76.22	-73.80	1.68	6.10	V
	3900	-66.19	-13	-53.19	-72.60	-68.93	1.89	6.78	V

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

LTE Band 13 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1554	-61.73	-13	-48.73	-62.78	-62.96	1.17	4.55	H
	2332	-54.37	-13	-41.37	-60.89	-56.17	1.40	5.35	H
	3108	-72.98	-13	-59.98	-76.95	-75.25	1.68	6.10	H
	1554	-60.63	-13	-47.63	-62.16	-61.86	1.17	4.55	V
	2332	-51.60	-13	-38.60	-59.38	-53.40	1.40	5.35	V
	3108	-72.02	-13	-59.02	-76.70	-74.28	1.68	6.10	V

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



LTE Band 66 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3489	-42.50	-13	-29.50	-57.27	-46.47	4.87	8.84	H
	5232	-34.32	-13	-21.32	-53.78	-35.76	7.70	9.14	H
	6978	-56.88	-13	-43.88	-75.35	-58.56	8.98	10.66	H
	8721	-46.17	-13	-33.17	-65.92	-48.90	10.13	12.86	H
	3489	-40.17	-13	-27.17	-56.51	-44.14	4.87	8.84	V
	5232	-32.07	-13	-19.07	-51.77	-33.51	7.70	9.14	V
	6978	-58.11	-13	-45.11	-76.13	-59.79	8.98	10.66	V
	8721	-34.41	-13	-21.41	-59.92	-37.14	10.13	12.86	V

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

LTE Band 66 / 3MHz / 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)
Middle	3486	-43.08	-13	-30.08	-57.65	-47.05	4.87	8.84	H
	5232	-32.07	-13	-19.07	-51.79	-33.51	7.70	9.14	H
	6975	-57.90	-13	-44.90	-76.37	-59.58	8.98	10.66	H
	8718	-33.29	-13	-20.29	-58.40	-36.02	10.13	12.86	H
	3486	-40.77	-13	-27.77	-56.98	-44.74	4.87	8.84	V
	5232	-29.98	-13	-16.98	-49.85	-31.43	7.70	9.14	V
	6978	-57.23	-13	-44.23	-75.25	-58.91	8.98	10.66	V
	8718	-32.95	-13	-19.95	-59.06	-35.68	10.13	12.86	V

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



LTE Band 66 / 5MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3486	-45.33	-13	-32.33	-58.92	-49.30	4.87	8.84	H
	5229	-29.02	-13	-16.02	-49.13	-30.47	7.70	9.14	H
	6972	-58.72	-13	-45.72	-77.19	-60.40	8.98	10.66	H
	8715	-39.85	-13	-26.85	-62.65	-42.58	10.13	12.86	H
	3486	-38.98	-13	-25.98	-55.68	-42.95	4.87	8.84	V
	5229	-27.23	-13	-14.23	-47.38	-28.67	7.70	9.14	V
	6971	-57.68	-13	-44.68	-75.7	-59.36	8.98	10.66	V
	8715	-33.96	-13	-20.96	-59.73	-36.69	10.13	12.86	V

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

LTE Band 66 / 10MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3480	-44.61	-13	-31.61	-58.45	-48.58	4.87	8.84	H
	5220	-30.08	-13	-17.08	-49.94	-31.52	7.70	9.14	H
	6962	-58.52	-13	-45.52	-76.99	-60.20	8.98	10.66	H
	8703	-39.82	-13	-26.82	-62.62	-42.55	10.13	12.86	H
	3480	-40.40	-13	-27.40	-56.69	-44.37	4.87	8.84	V
	5220	-27.91	-13	-14.91	-48.06	-29.35	7.70	9.14	V
	6963	-58.78	-13	-45.78	-76.8	-60.46	8.98	10.66	V
	8703	-33.93	-13	-20.93	-59.71	-36.66	10.13	12.86	V

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



LTE Band 66 / 15MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3477	-45.24	-13	-32.24	-58.84	-49.21	4.87	8.84	H
	5214	-30.05	-13	-17.05	-49.91	-31.49	7.70	9.14	H
	6953	-58.79	-13	-45.79	-77.26	-60.47	8.98	10.66	H
	8691	-41.34	-13	-28.34	-63.43	-44.07	10.13	12.86	H
	3477	-40.13	-13	-27.13	-56.48	-44.10	4.87	8.84	V
	5214	-23.35	-13	-10.35	-43.86	-24.79	7.70	9.14	V
	6954	-58.67	-13	-45.67	-76.69	-60.35	8.98	10.66	V
	8691	-38.44	-13	-25.44	-62.34	-41.17	10.13	12.86	V

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

LTE Band 66 / 20MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3471	-43.58	-13	-30.58	-57.95	-47.55	4.87	8.84	H
	5208	-26.55	-13	-13.55	-46.82	-28.00	7.70	9.14	H
	6944	-57.74	-13	-44.74	-76.21	-59.42	8.98	10.66	H
	8679	-44.76	-13	-31.76	-64.64	-47.49	10.13	12.86	H
	3471	-40.26	-13	-27.26	-56.58	-44.23	4.87	8.84	V
	5208	-24.47	-13	-11.47	-44.91	-25.92	7.70	9.14	V
	6945	-59.09	-13	-46.09	-77.11	-60.77	8.98	10.66	V
	8679	-39.04	-13	-26.04	-62.74	-41.77	10.13	12.86	V

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