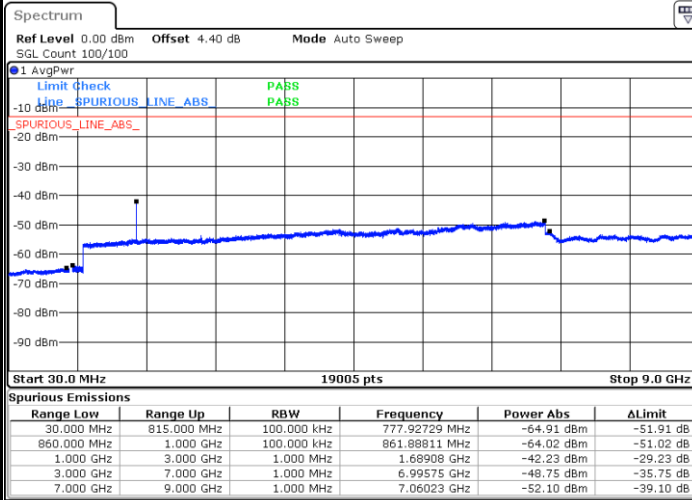




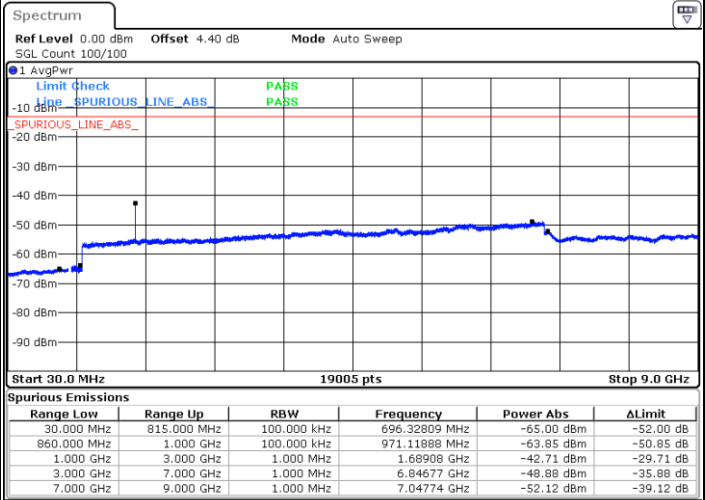
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 26 OCT 2017 11:33:03

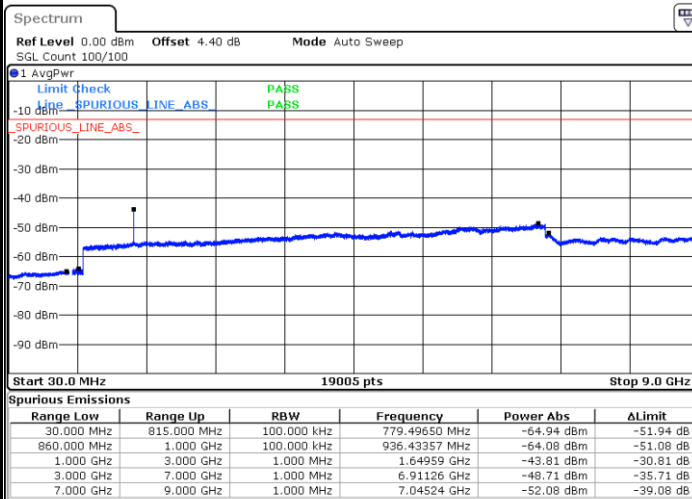
Highest Channel / 16QAM



Date: 26 OCT 2017 11:33:57

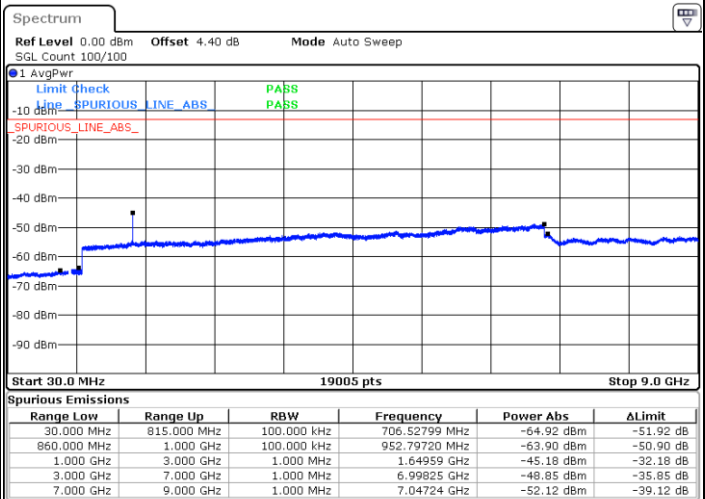
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 26 OCT 2017 11:42:01

Lowest Channel / 16QAM

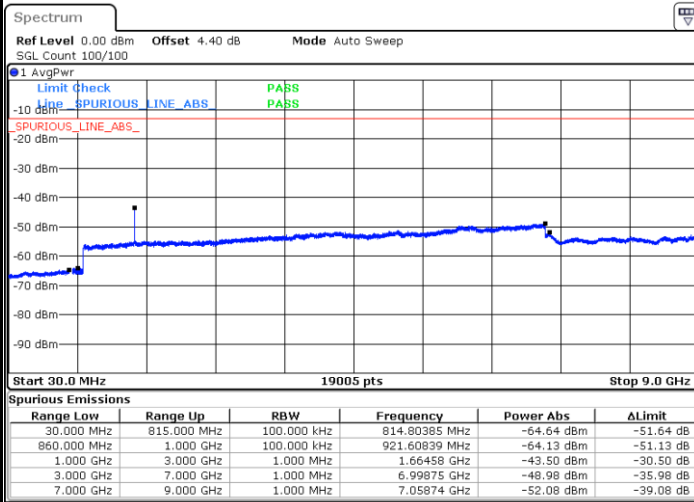


Date: 26 OCT 2017 11:42:55



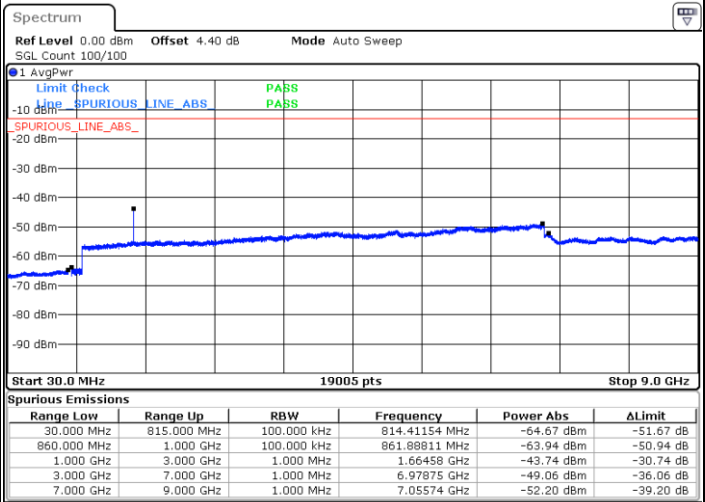
LTE Band 5 / 10MHz

Middle Channel / QPSK



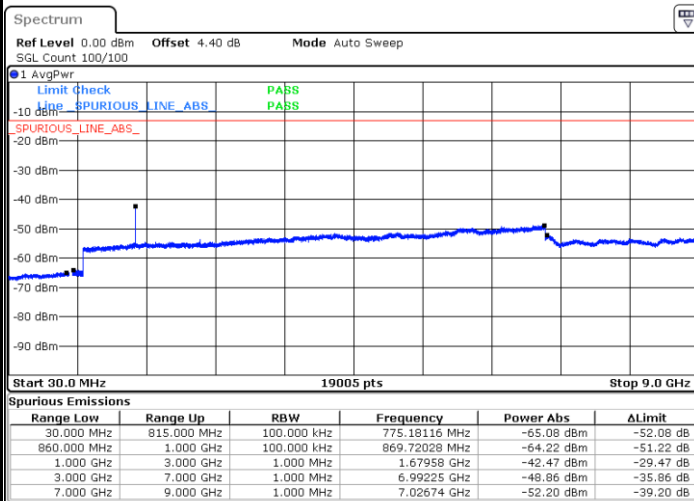
Date: 26 OCT 2017 11:44:29

Middle Channel / 16QAM



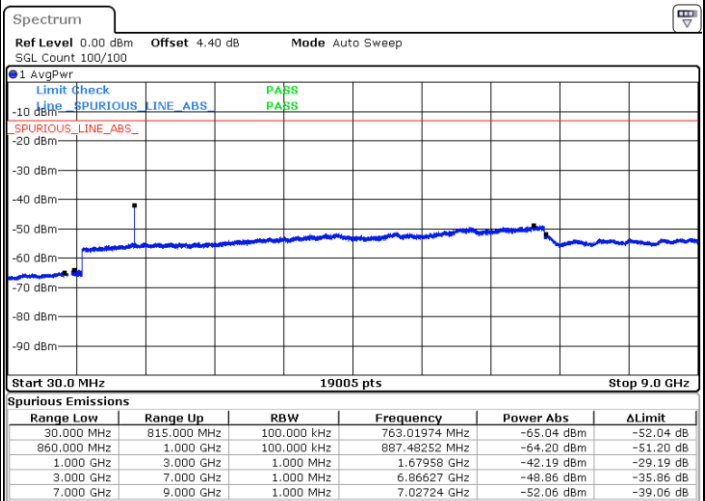
Date: 26 OCT 2017 11:45:24

Highest Channel / QPSK



Date: 26 OCT 2017 11:53:27

Highest Channel / 16QAM

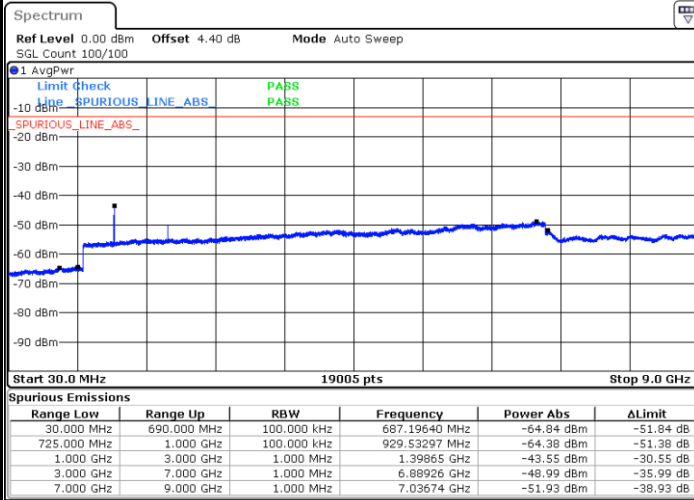


Date: 26 OCT 2017 11:54:22



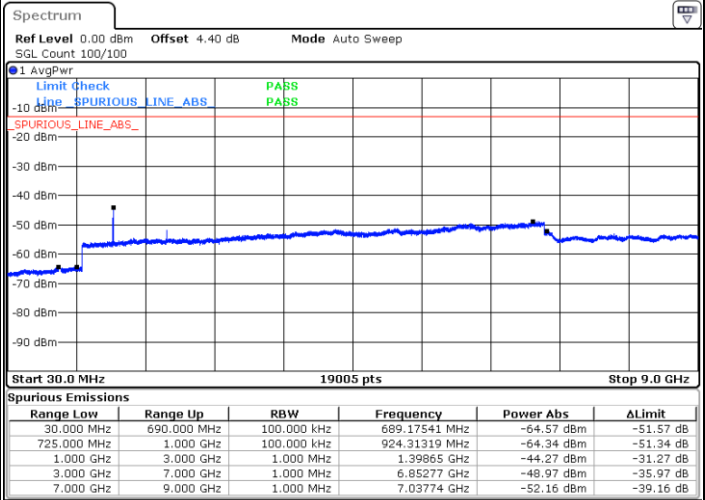
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



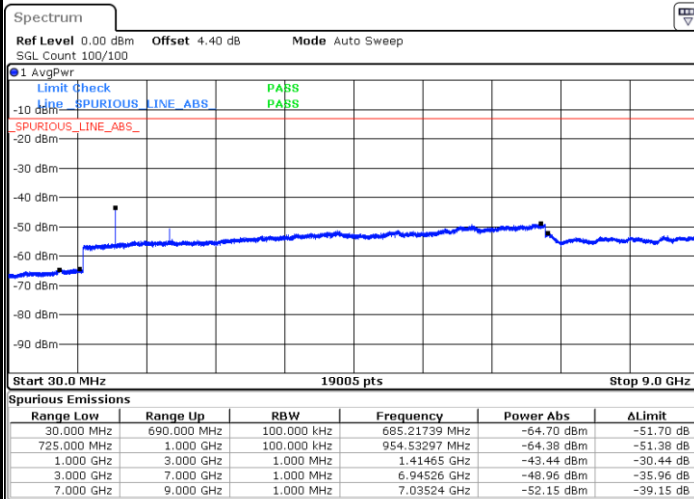
Date: 26.OCT.2017 13:41:59

Lowest Channel / 16QAM



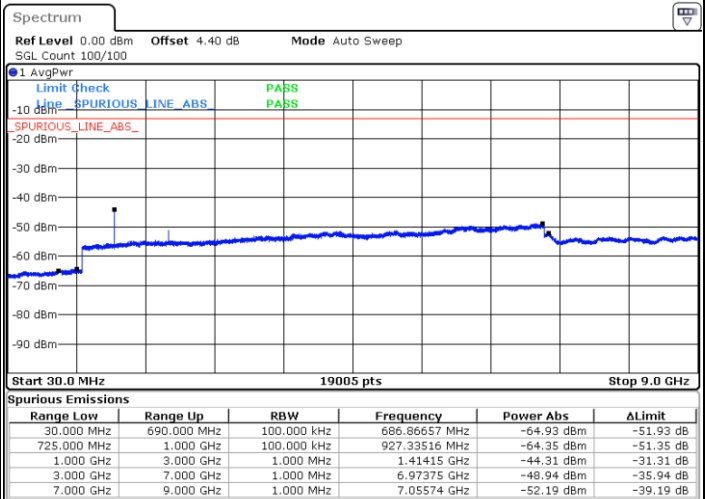
Date: 26.OCT.2017 13:42:53

Middle Channel / QPSK



Date: 26.OCT.2017 13:44:42

Middle Channel / 16QAM

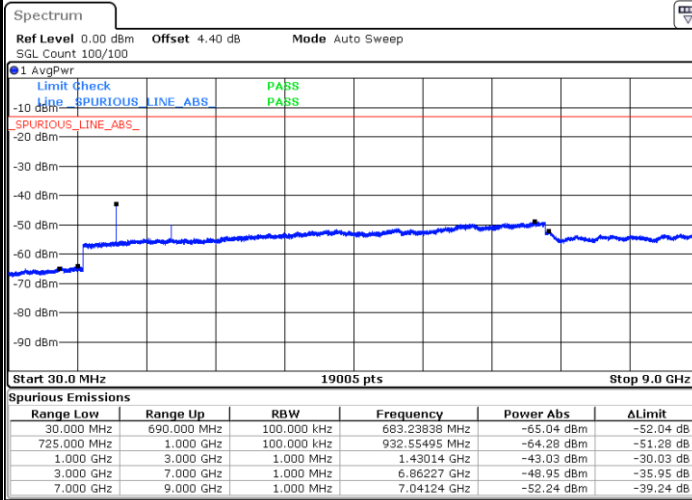


Date: 26.OCT.2017 13:43:48



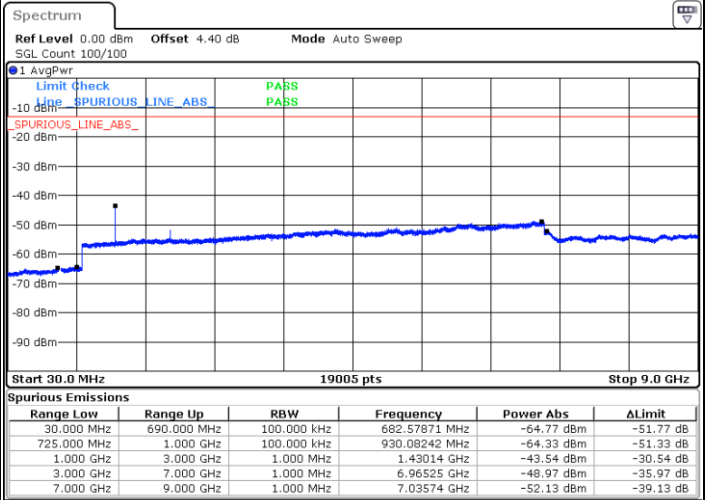
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 26 OCT 2017 13:45:36

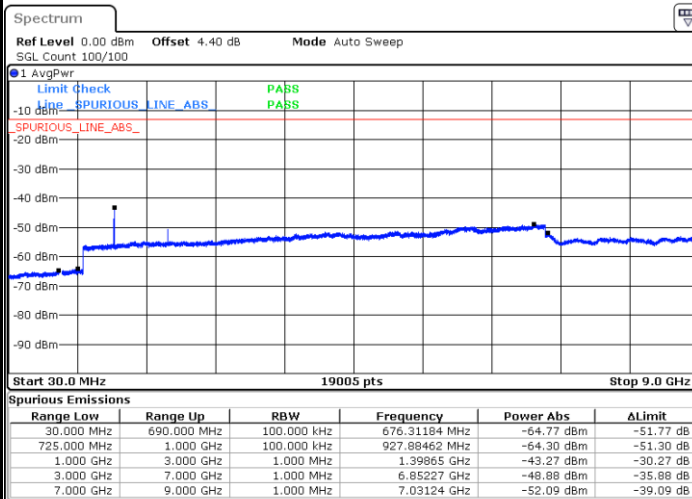
Highest Channel / 16QAM



Date: 26 OCT 2017 13:46:31

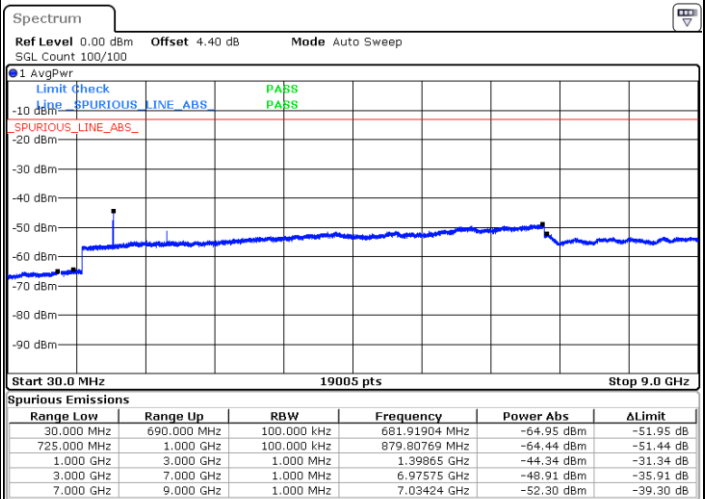
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 26 OCT 2017 13:58:23

Lowest Channel / 16QAM

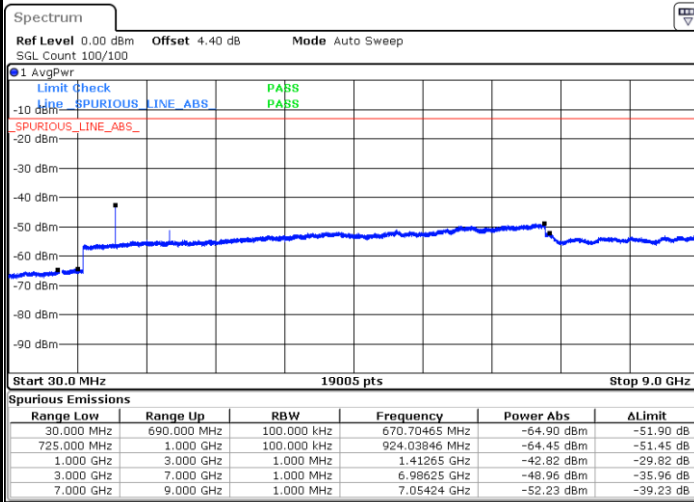


Date: 26 OCT 2017 13:59:18



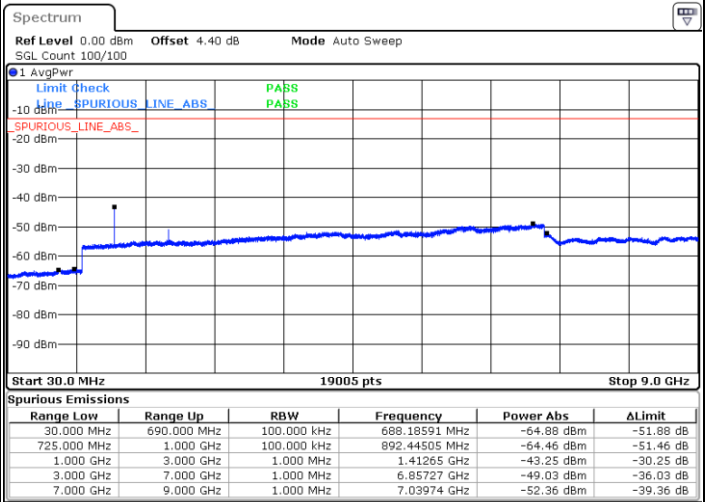
LTE Band 12 / 3MHz

Middle Channel / QPSK



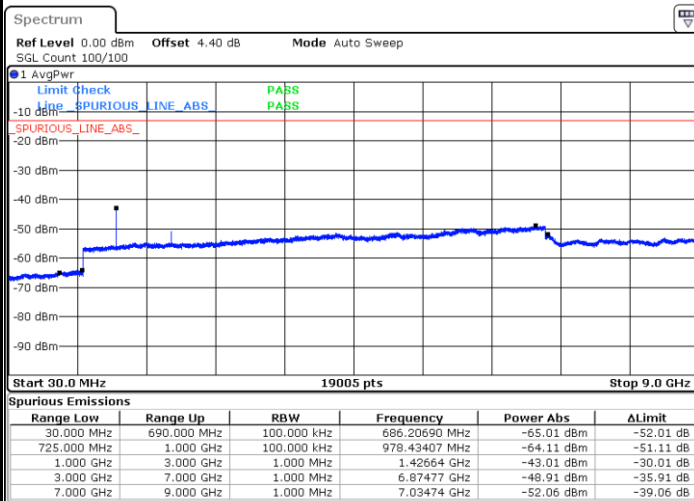
Date: 26.OCT.2017 14:01:07

Middle Channel / 16QAM



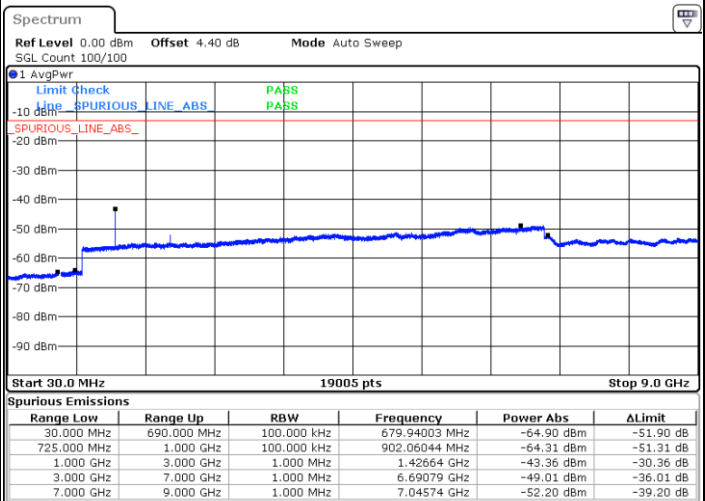
Date: 26.OCT.2017 14:00:12

Highest Channel / QPSK



Date: 26.OCT.2017 14:02:01

Highest Channel / 16QAM

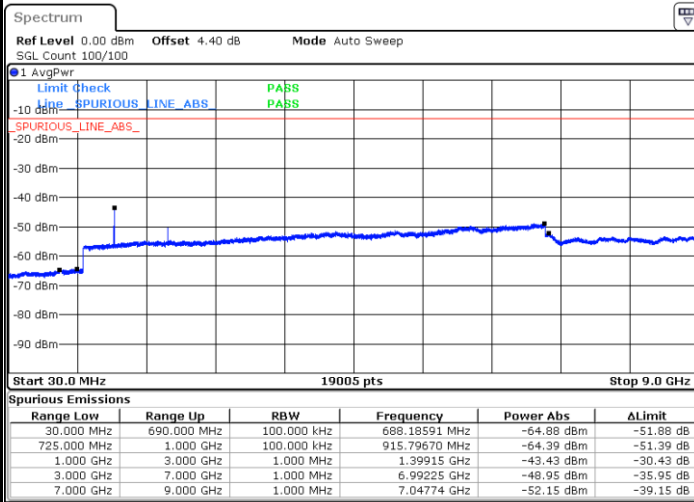


Date: 26.OCT.2017 14:02:55



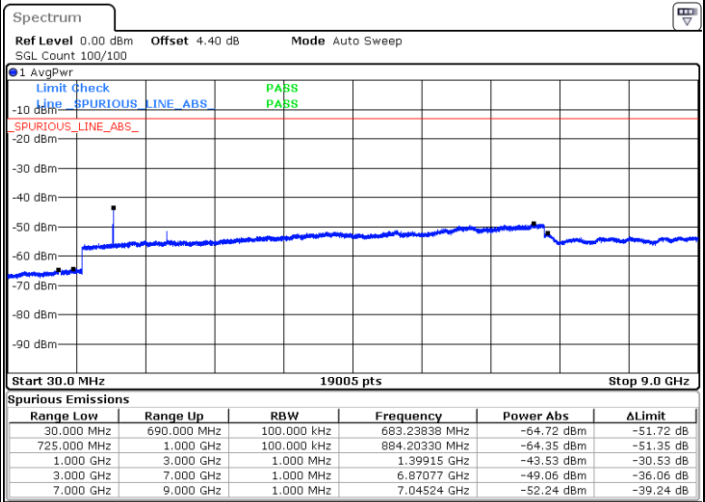
LTE Band 12 / 5MHz

Lowest Channel / QPSK



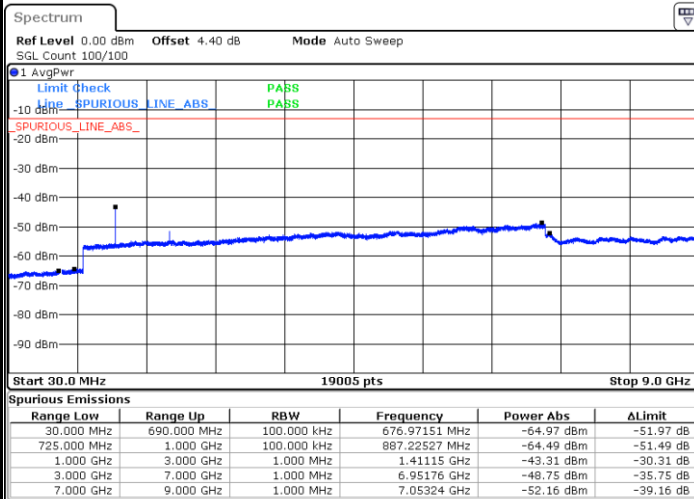
Date: 26.OCT.2017 14:20:46

Lowest Channel / 16QAM



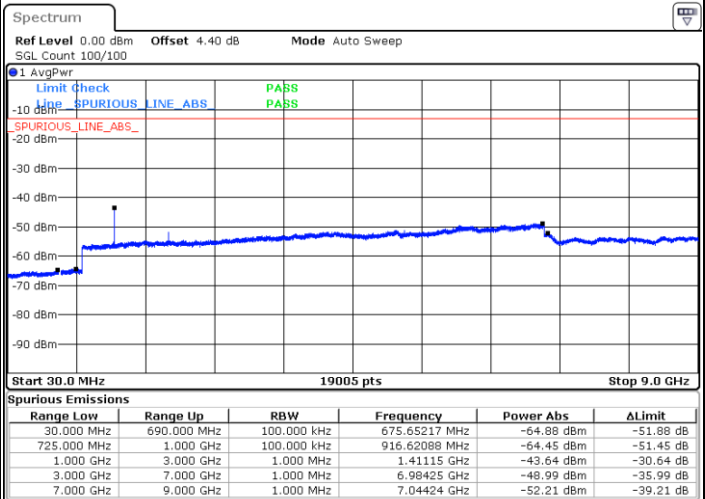
Date: 26.OCT.2017 14:21:41

Middle Channel / QPSK



Date: 26.OCT.2017 14:23:29

Middle Channel / 16QAM

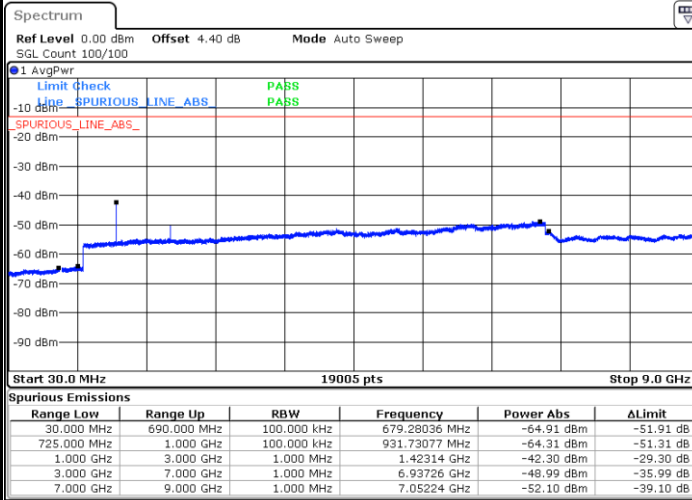


Date: 26.OCT.2017 14:22:35



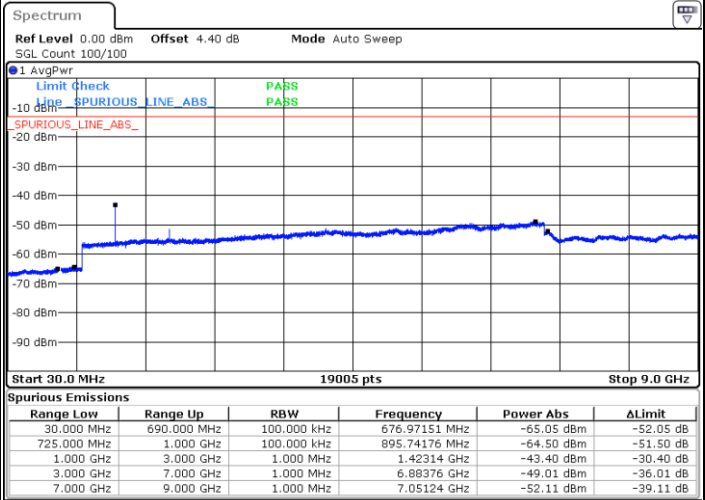
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 26 OCT 2017 14:24:24

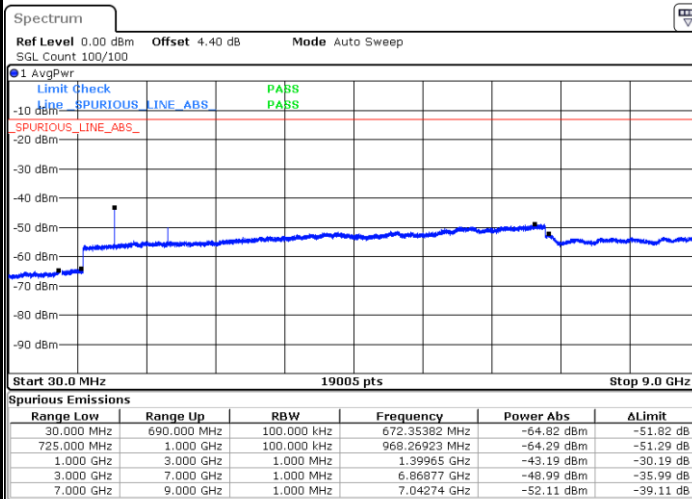
Highest Channel / 16QAM



Date: 26 OCT 2017 14:25:18

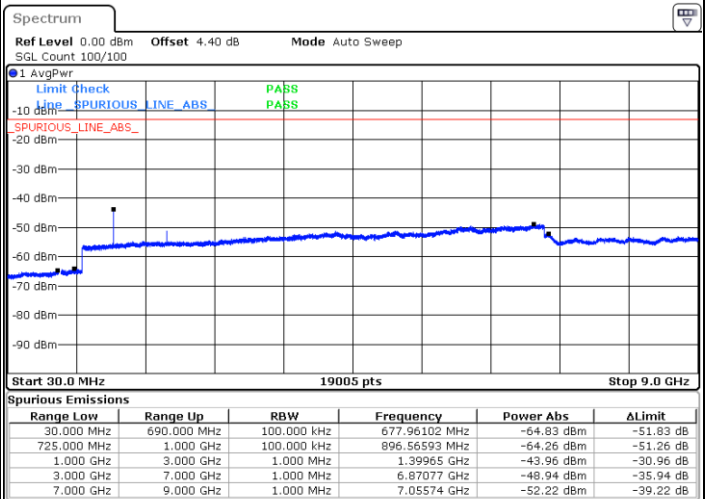
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 26 OCT 2017 14:37:10

Lowest Channel / 16QAM

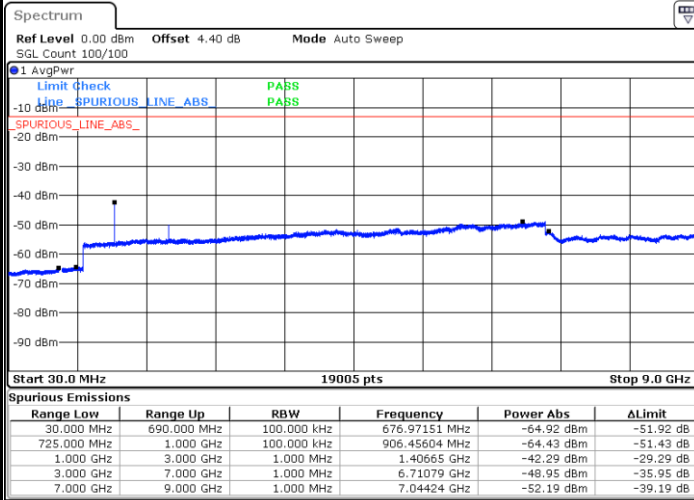


Date: 26 OCT 2017 14:38:05



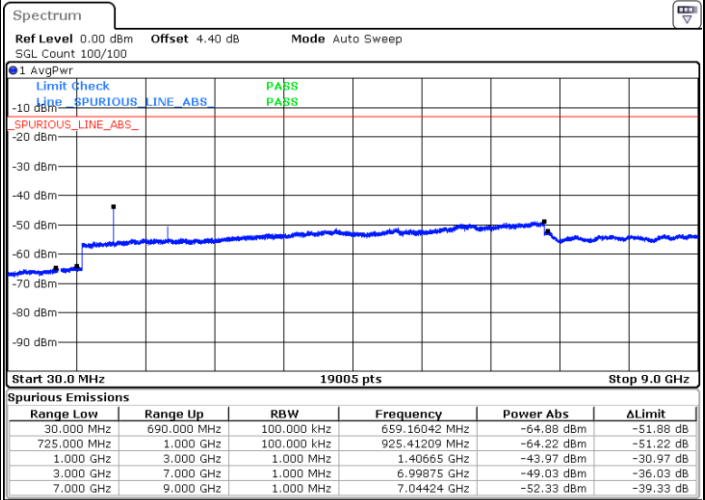
LTE Band 12 / 10MHz

Middle Channel / QPSK



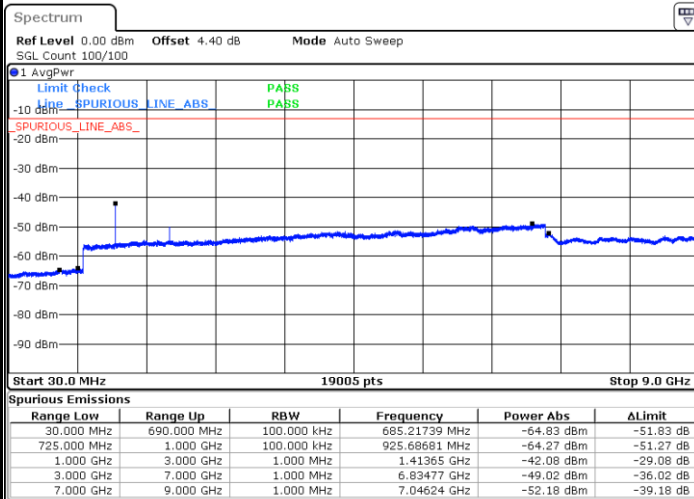
Date: 26 OCT 2017 14:39:54

Middle Channel / 16QAM



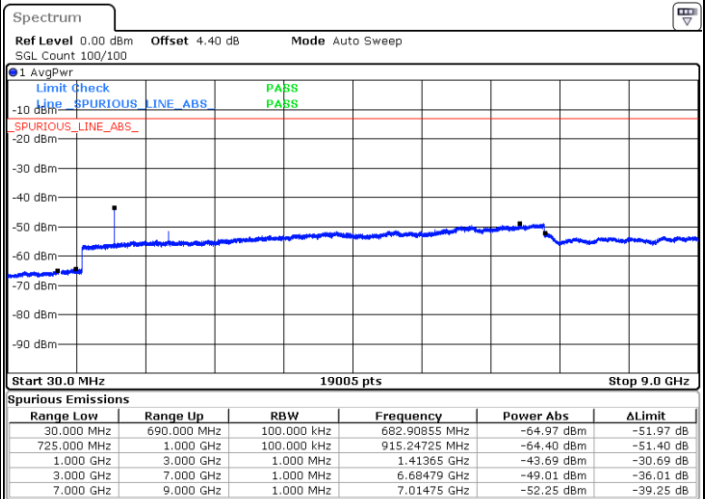
Date: 26 OCT 2017 14:38:59

Highest Channel / QPSK



Date: 26 OCT 2017 14:40:48

Highest Channel / 16QAM

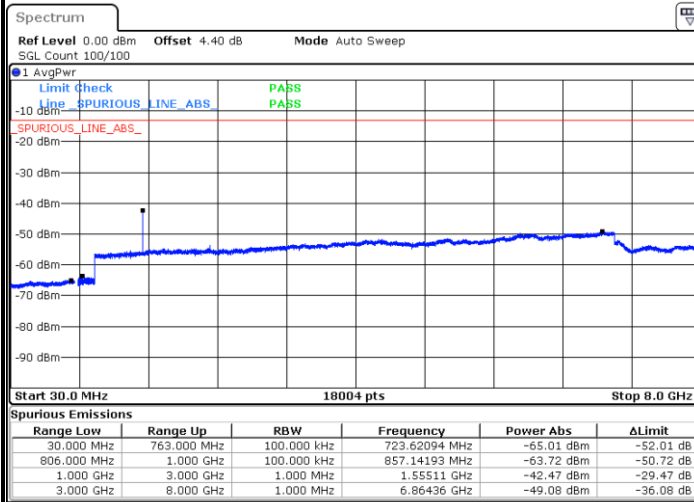


Date: 26 OCT 2017 14:41:42



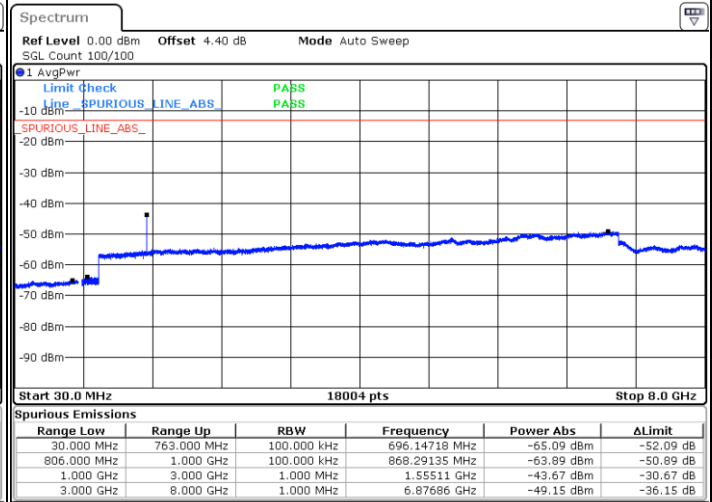
LTE Band 13 / 5MHz

Lowest Channel / QPSK



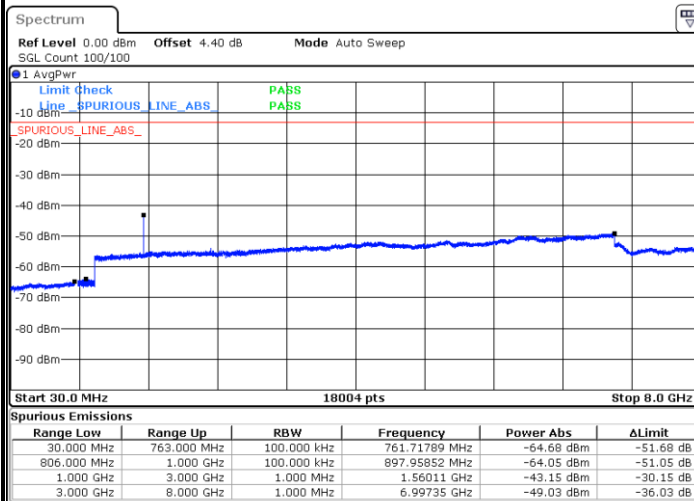
Date: 26.OCT.2017 15:09:05

Lowest Channel / 16QAM



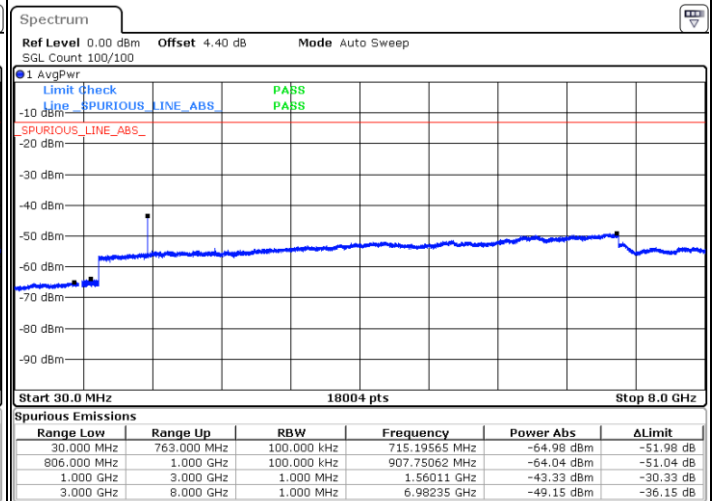
Date: 26.OCT.2017 15:08:11

Middle Channel / QPSK



Date: 26.OCT.2017 15:10:38

Middle Channel / 16QAM

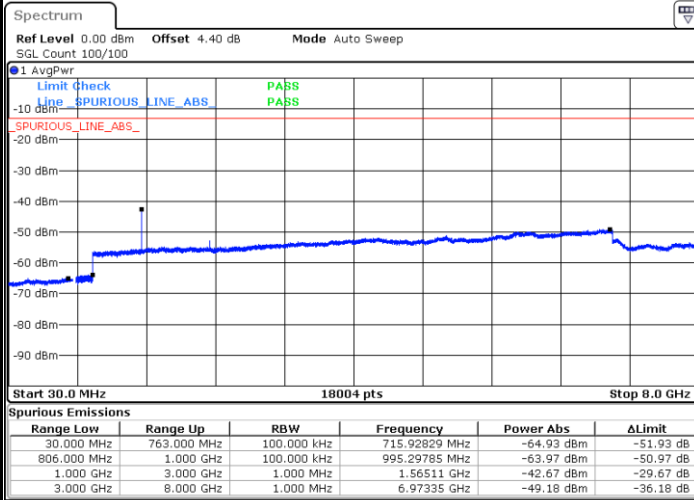


Date: 26.OCT.2017 15:11:33



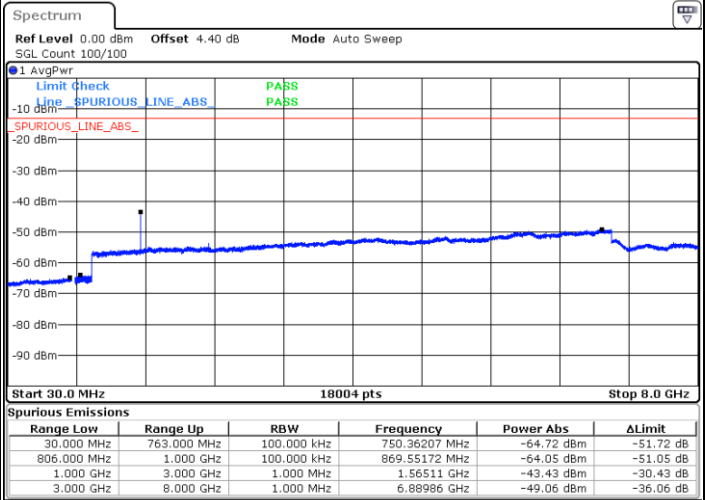
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 26 OCT 2017 15:20:31

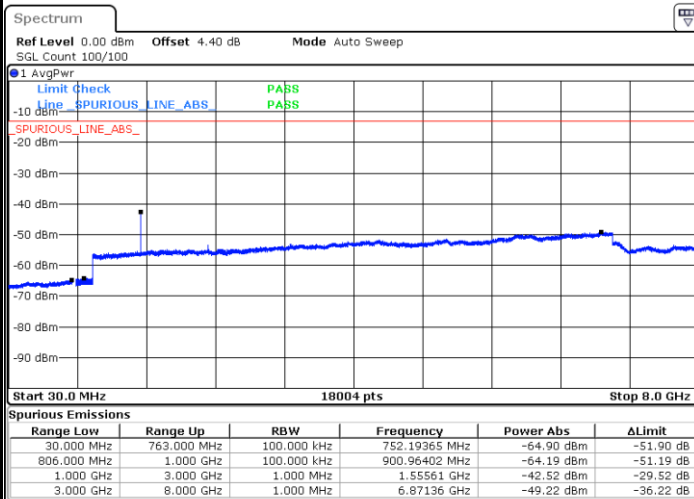
Highest Channel / 16QAM



Date: 26 OCT 2017 15:19:37

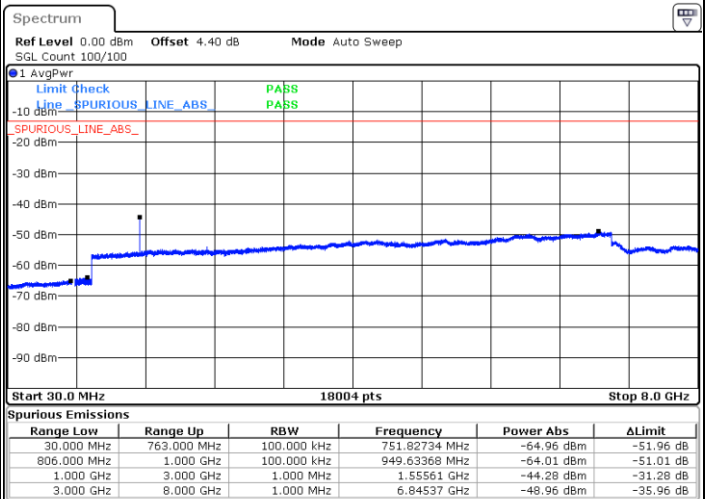
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 26 OCT 2017 15:21:25

Middle Channel / 16QAM

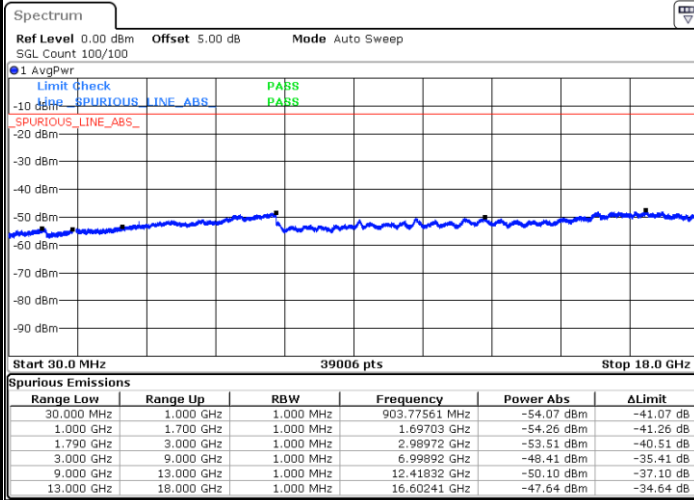


Date: 26 OCT 2017 15:22:19



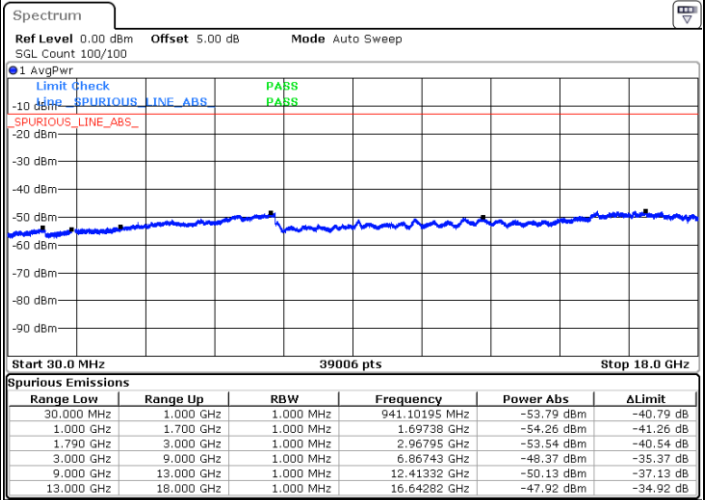
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



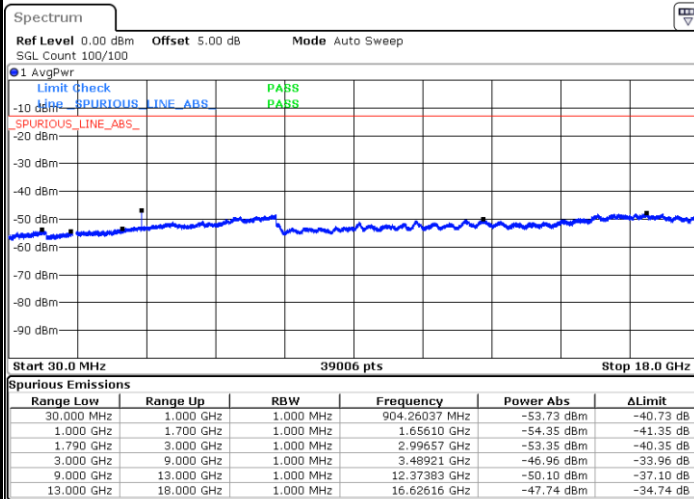
Date: 26.OCT.2017 18:16:03

Lowest Channel / 16QAM



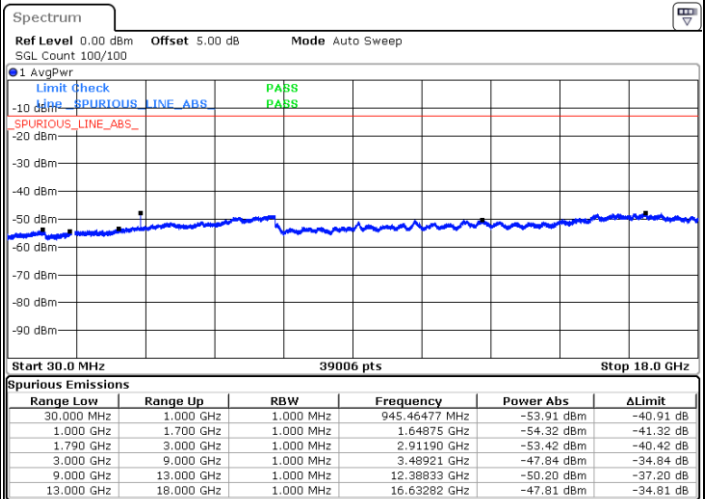
Date: 26.OCT.2017 18:17:48

Middle Channel / QPSK



Date: 26.OCT.2017 18:24:28

Middle Channel / 16QAM

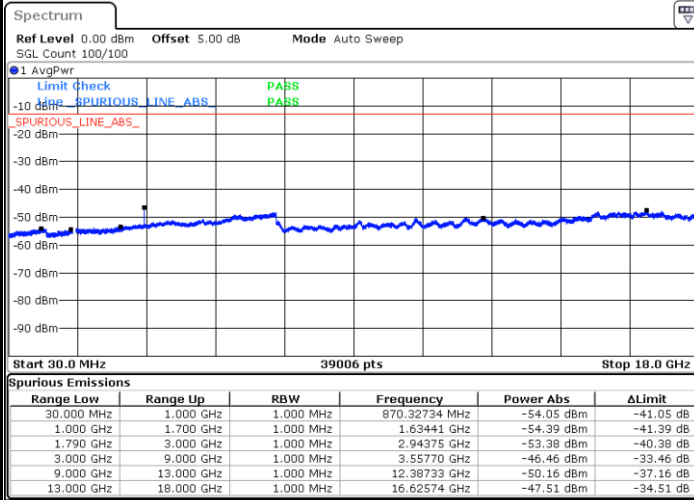


Date: 26.OCT.2017 18:27:03



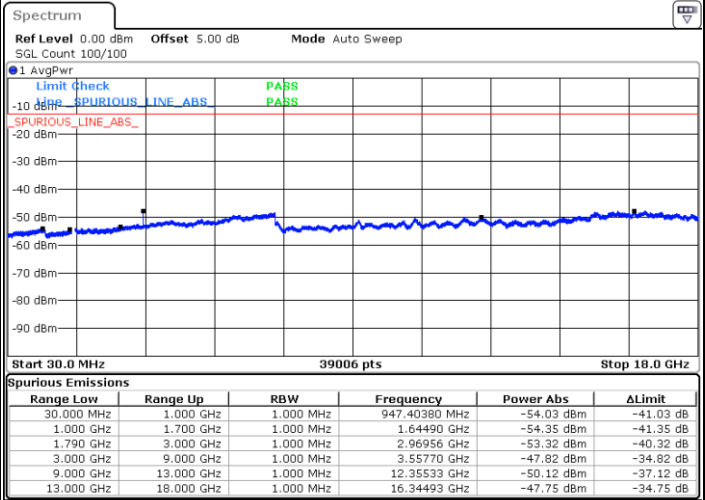
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 26 OCT 2017 18:32:26

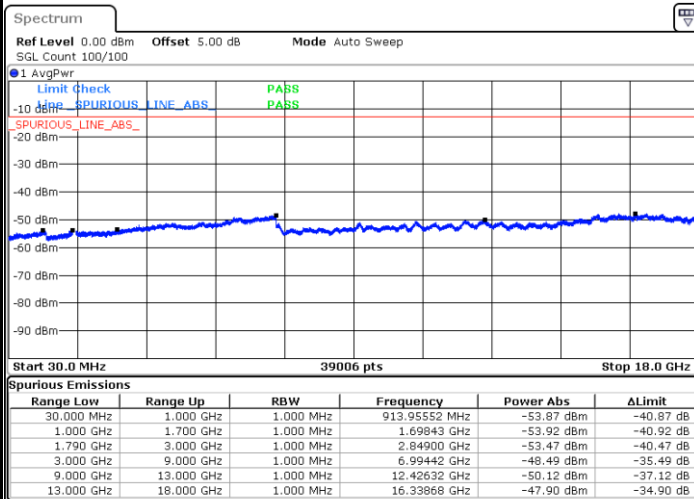
Highest Channel / 16QAM



Date: 26 OCT 2017 18:31:20

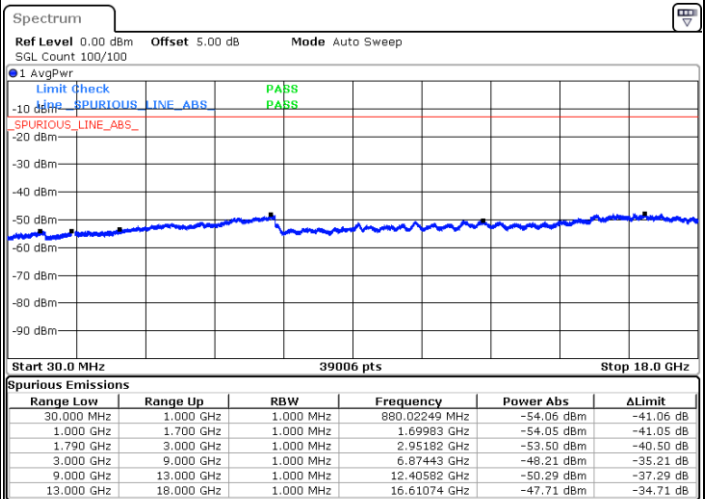
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 26 OCT 2017 18:50:16

Lowest Channel / 16QAM

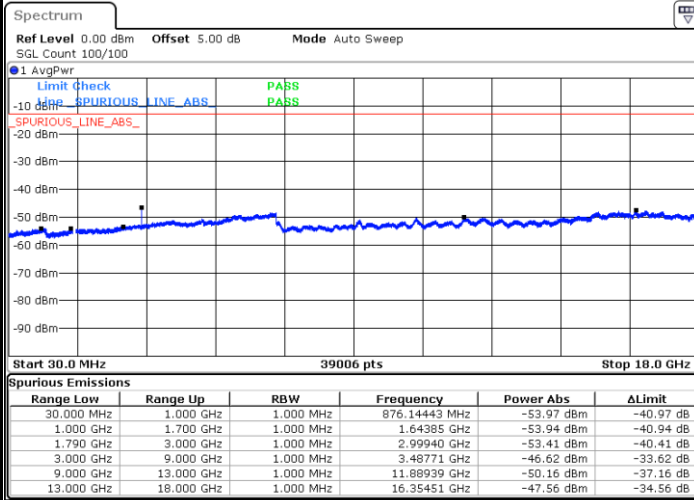


Date: 26 OCT 2017 18:49:24



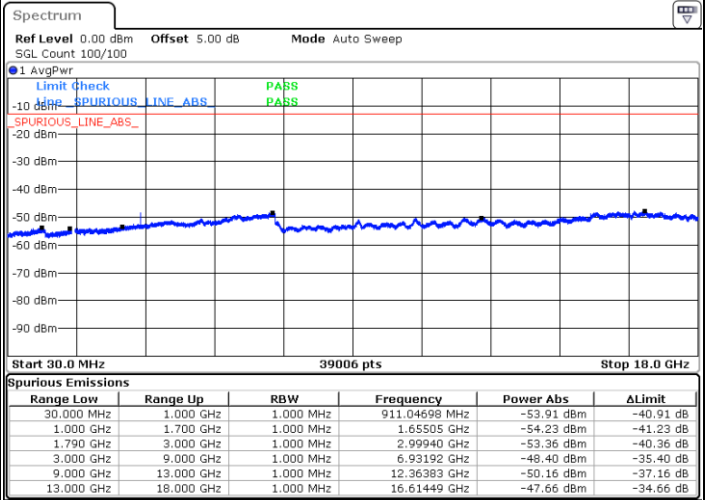
LTE Band 66 / 3MHz

Middle Channel / QPSK



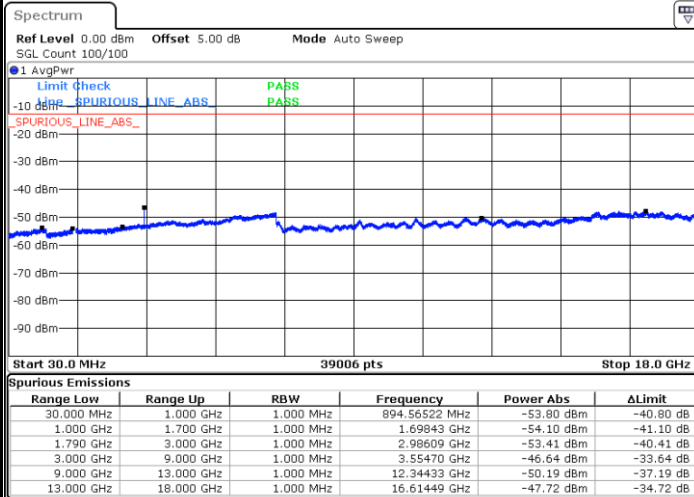
Date: 26.OCT.2017 18:59:14

Middle Channel / 16QAM



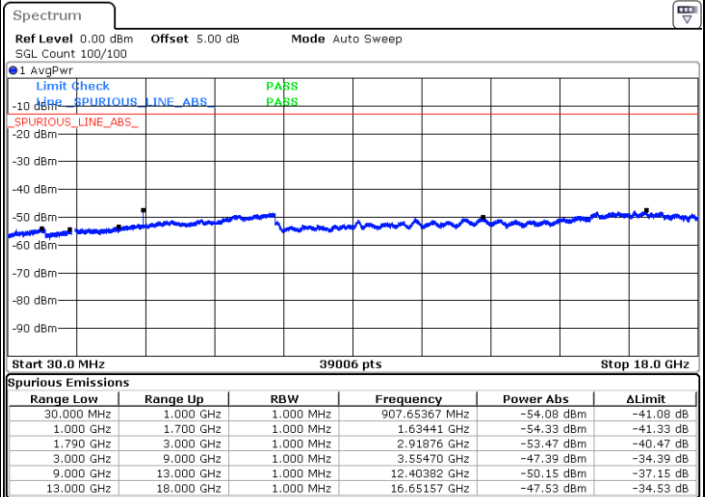
Date: 26.OCT.2017 18:58:14

Highest Channel / QPSK



Date: 26.OCT.2017 19:03:09

Highest Channel / 16QAM

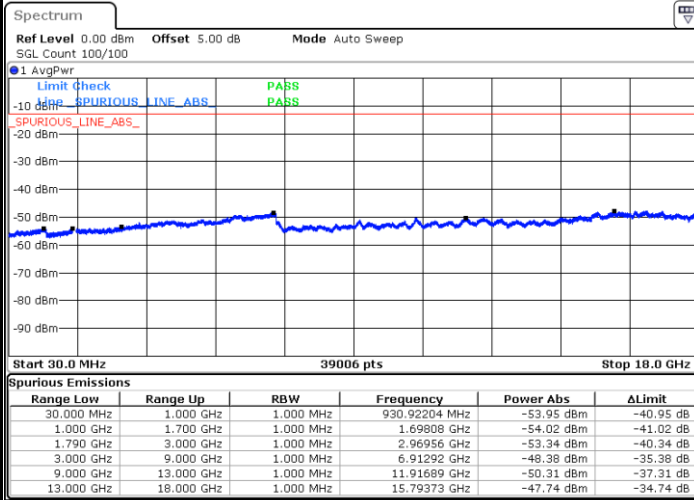


Date: 26.OCT.2017 19:02:09



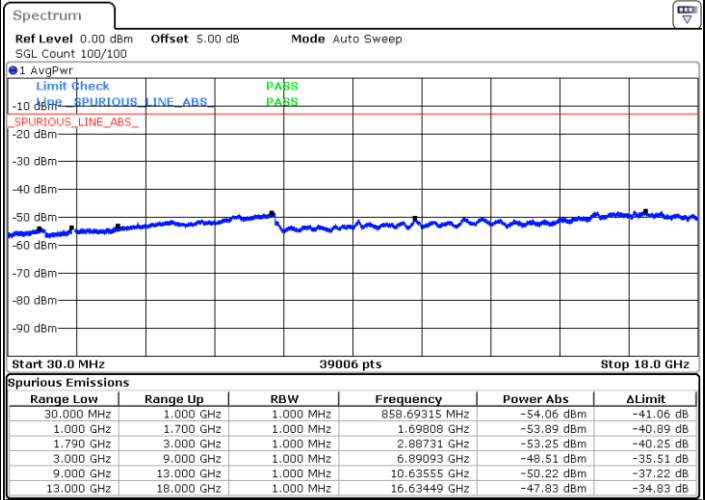
LTE Band 66 / 5MHz

Lowest Channel / QPSK



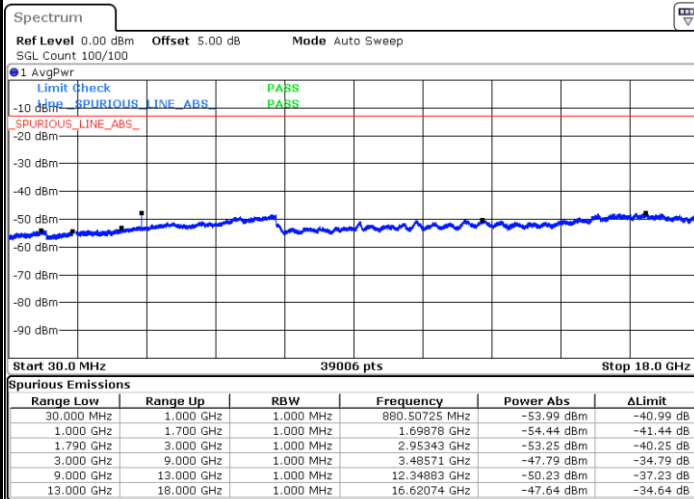
Date: 26.OCT.2017 19:19:05

Lowest Channel / 16QAM



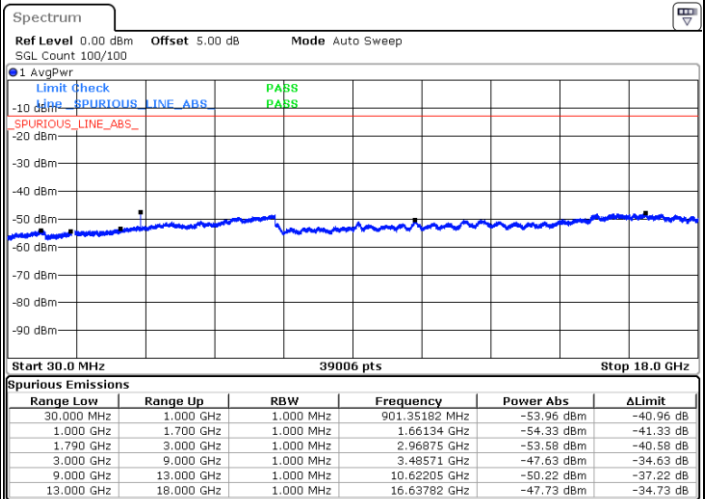
Date: 26.OCT.2017 19:18:25

Middle Channel / QPSK



Date: 26.OCT.2017 19:26:51

Middle Channel / 16QAM

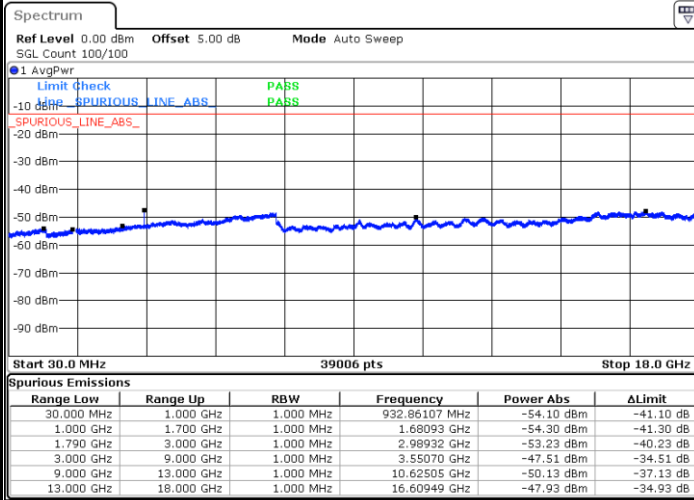


Date: 26.OCT.2017 19:26:04



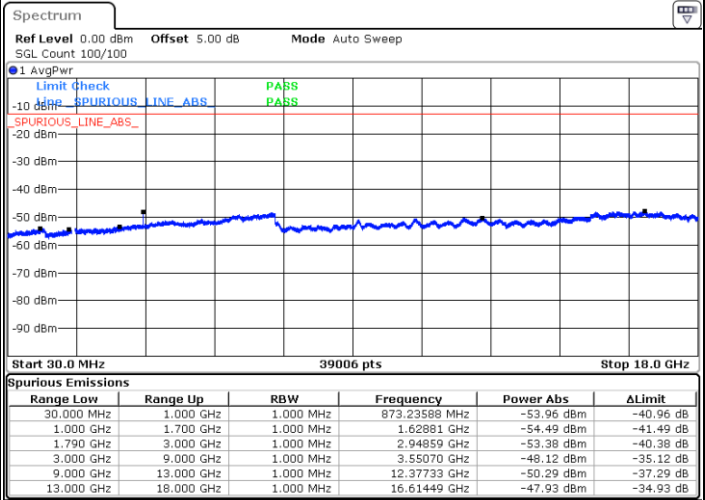
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 26 OCT 2017 19:30:41

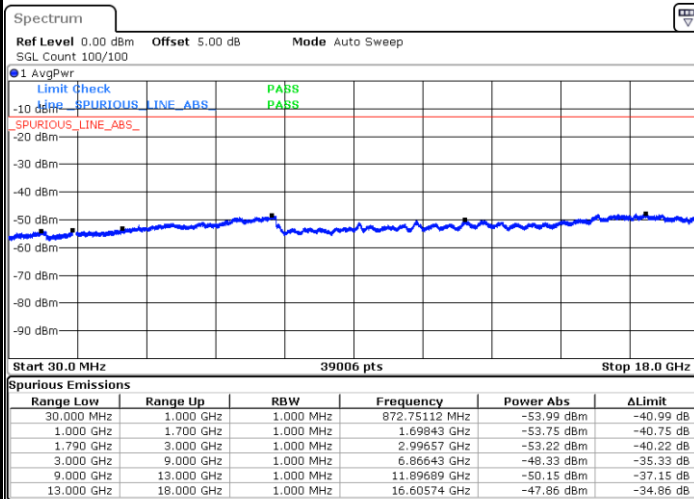
Highest Channel / 16QAM



Date: 26 OCT 2017 19:29:05

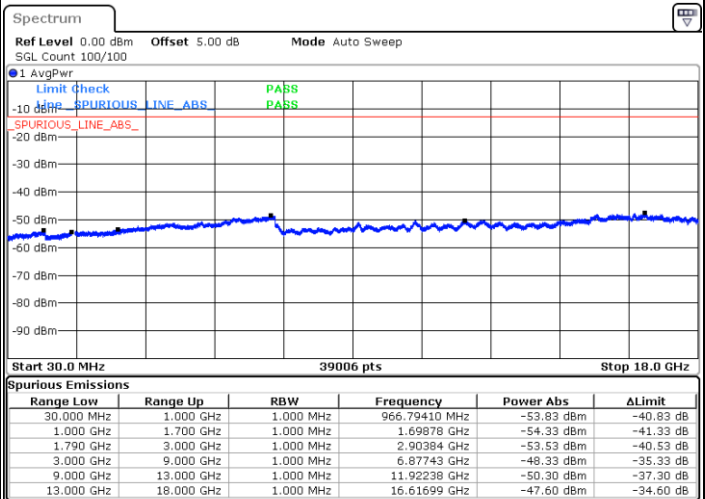
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 26 OCT 2017 19:51:37

Lowest Channel / 16QAM

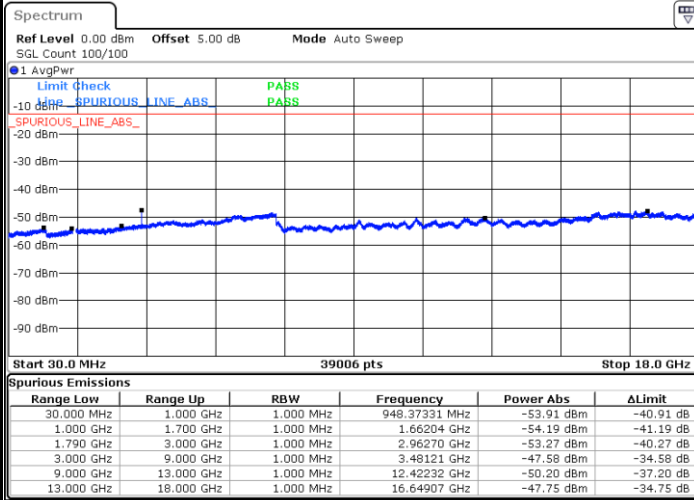


Date: 26 OCT 2017 19:50:59



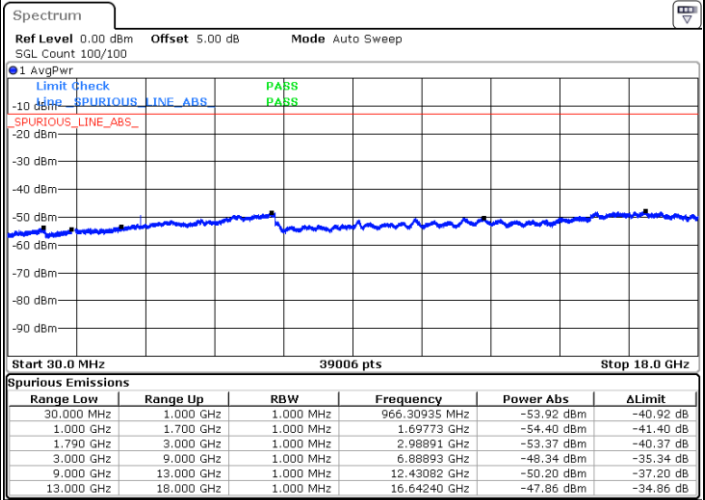
LTE Band 66 / 10MHz

Middle Channel / QPSK



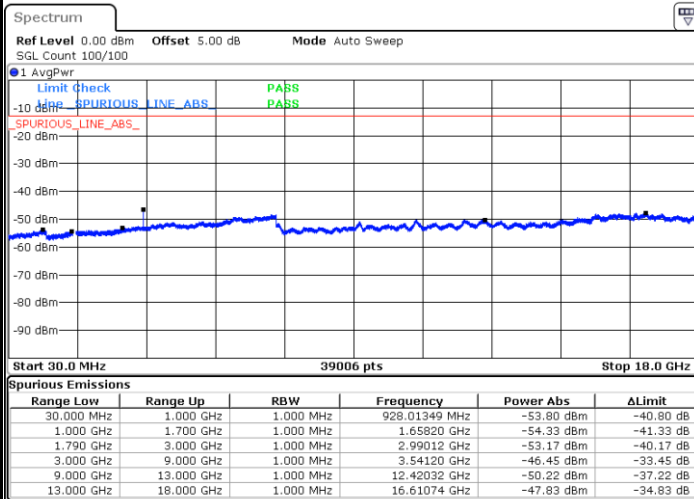
Date: 26 OCT 2017 19:58:35

Middle Channel / 16QAM



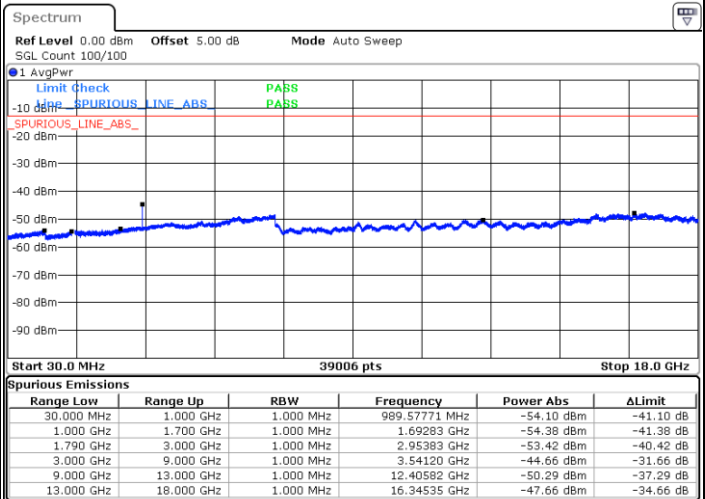
Date: 26 OCT 2017 19:57:57

Highest Channel / QPSK



Date: 26 OCT 2017 20:01:41

Highest Channel / 16QAM

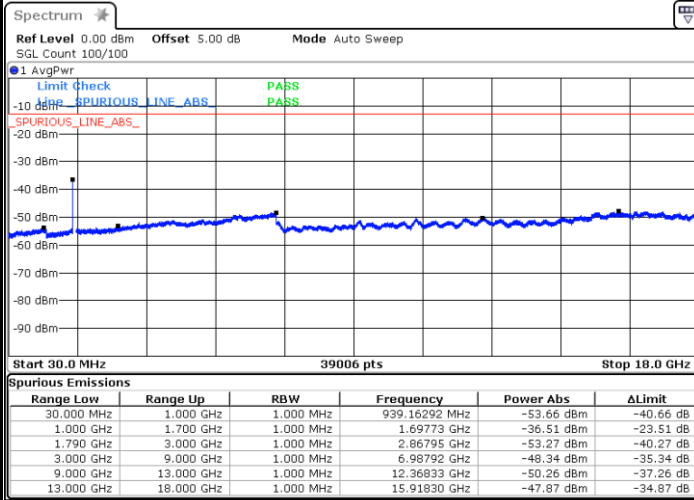


Date: 26 OCT 2017 20:00:48



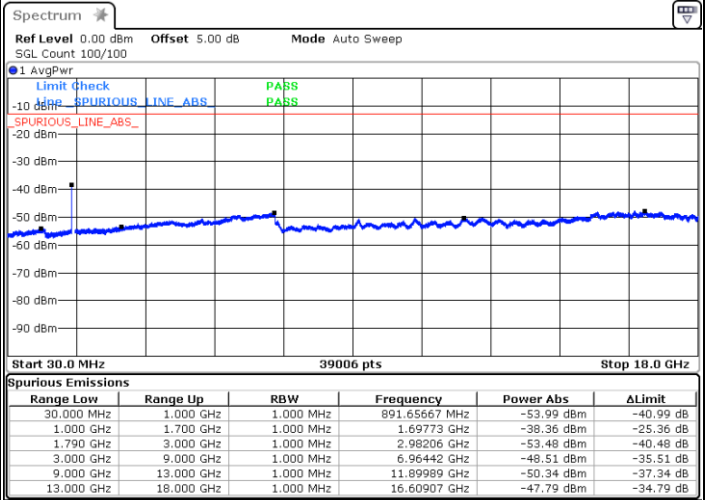
LTE Band 66 / 15MHz

Lowest Channel / QPSK



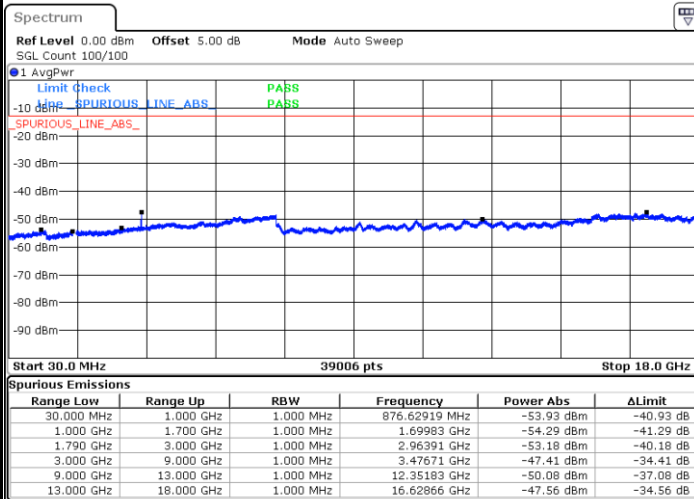
Date: 26 OCT 2017 20:12:44

Lowest Channel / 16QAM



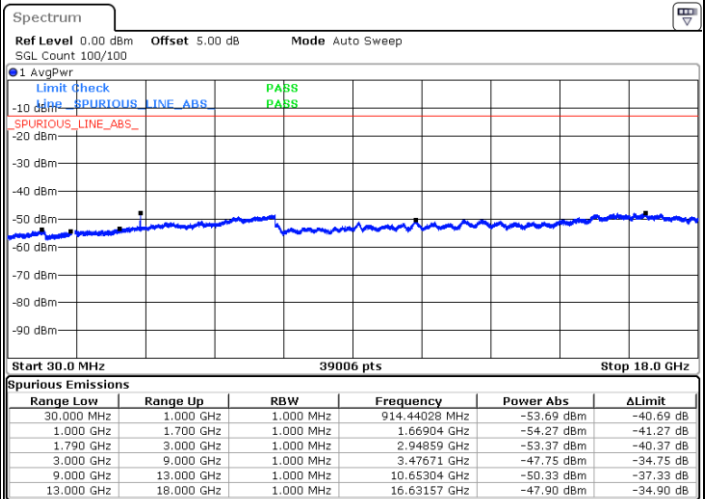
Date: 26 OCT 2017 20:11:56

Middle Channel / QPSK



Date: 26 OCT 2017 20:18:38

Middle Channel / 16QAM

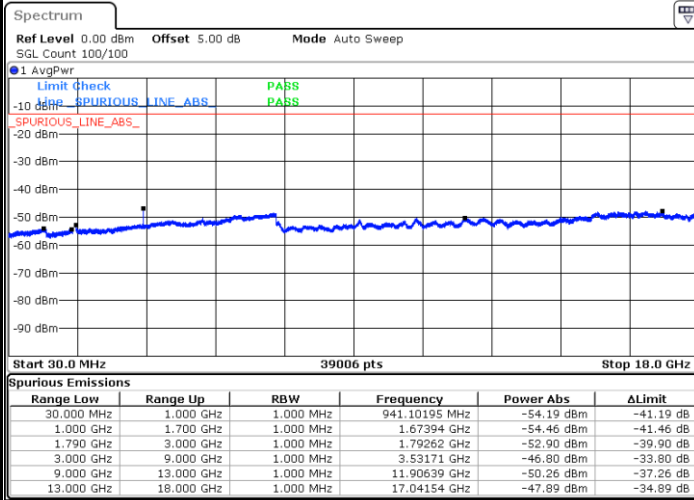


Date: 26 OCT 2017 20:17:47



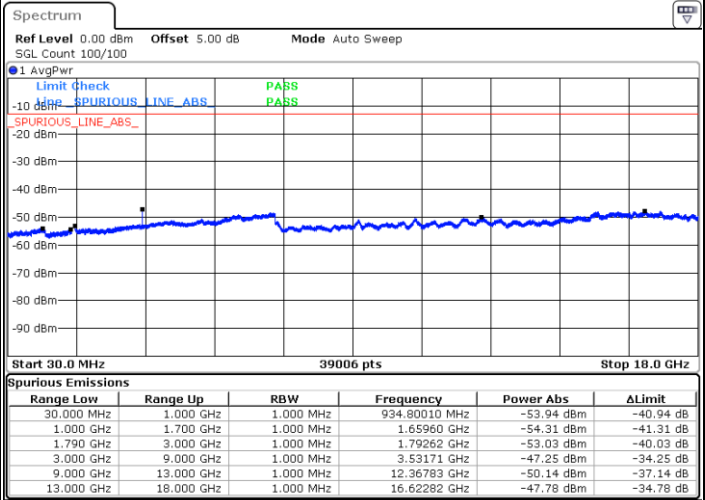
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 26 OCT 2017 20:22:31

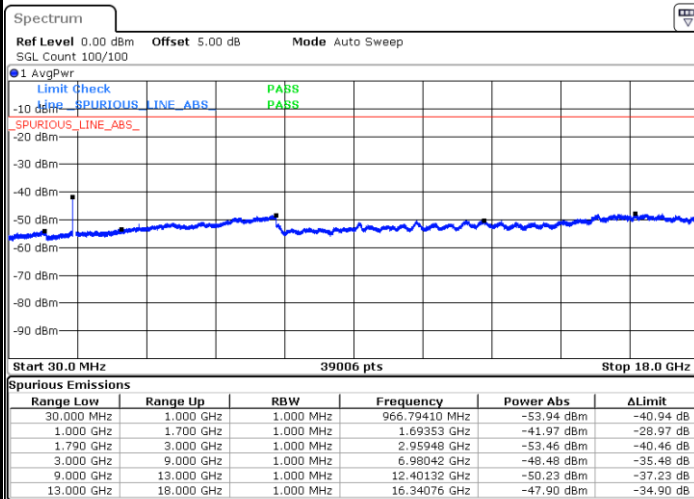
Highest Channel / 16QAM



Date: 26 OCT 2017 20:21:51

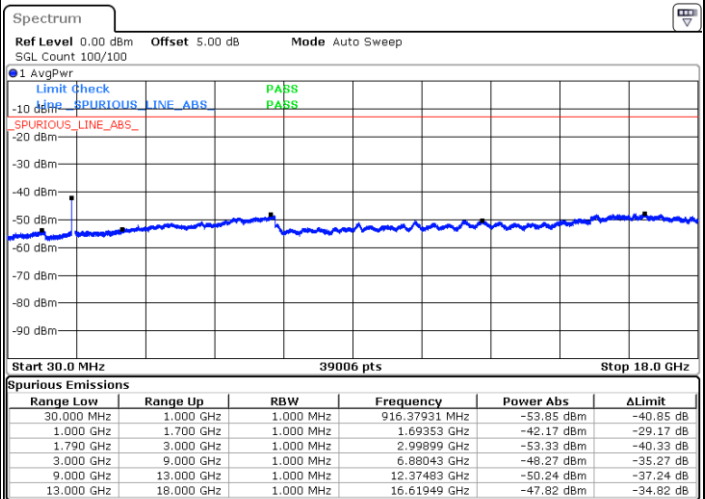
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 26 OCT 2017 20:29:45

Lowest Channel / 16QAM

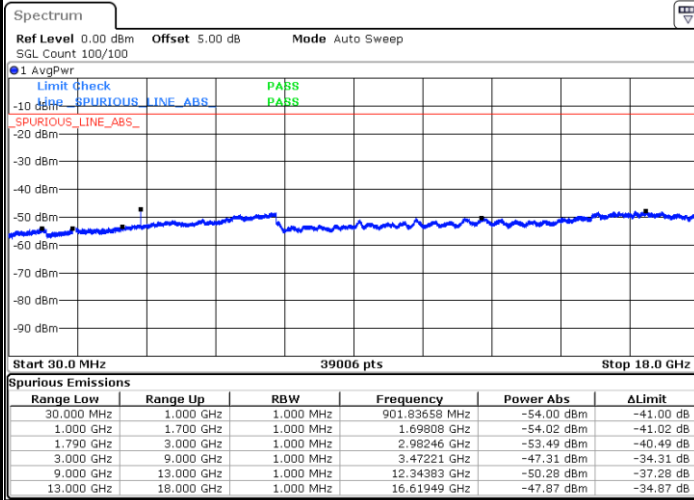


Date: 26 OCT 2017 20:29:05



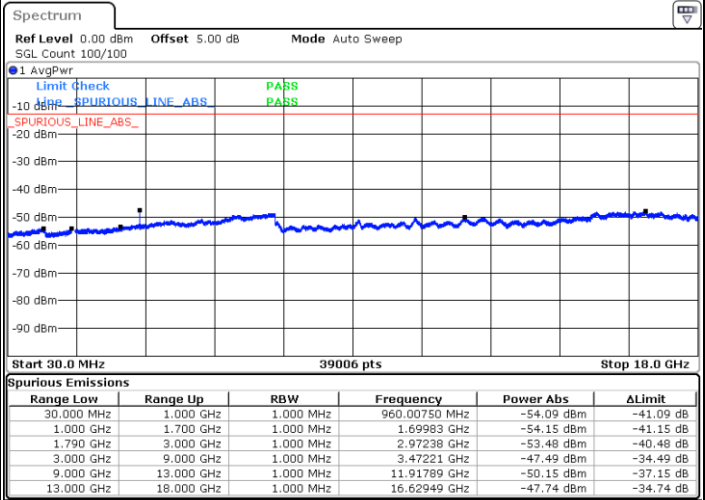
LTE Band 66 / 20MHz

Middle Channel / QPSK



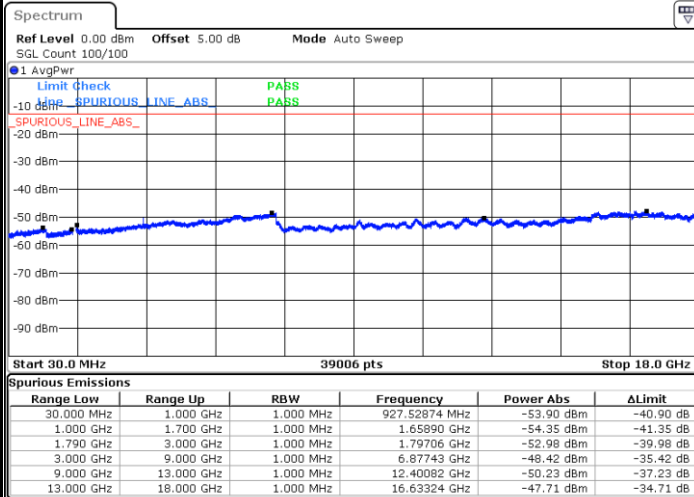
Date: 26 OCT 2017 20:35:43

Middle Channel / 16QAM



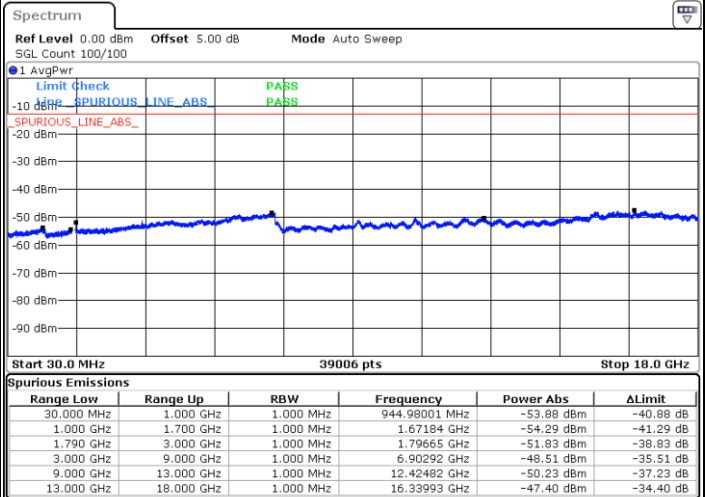
Date: 26 OCT 2017 20:34:59

Highest Channel / QPSK



Date: 26 OCT 2017 20:38:50

Highest Channel / 16QAM



Date: 26 OCT 2017 20:38:11

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	0.0013	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0009	
20	Battery End Point	0.06	

Note:

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. 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	0.0013	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0012	

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.



Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0030	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0027	

Note: Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0058	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0047	
20	Normal Voltage	0.0004	
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.

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0037	
20	Battery End Point	0.0027	

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.

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0032	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0028	
20	Battery End Point	0.0023	

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

<Bottom Antenna>

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	-56.83	-13	-43.83	-71.07	-58.54	5.08	6.80	H
	5637	-56.01	-13	-43.01	-72.81	-57.68	8.03	9.70	H
	7518	-50.92	-13	-37.92	-72.22	-53.30	9.43	11.81	H
	3759	-55.54	-13	-42.54	-67.97	-57.25	5.08	6.80	V
	5637	-55.55	-13	-42.55	-72.64	-57.22	8.03	9.70	V
	7518	-49.89	-13	-36.89	-71.03	-52.27	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	-56.74	-13	-43.74	-70.98	-58.45	5.08	6.80	H
	5637	-53.56	-13	-40.56	-70.36	-55.23	8.03	9.70	H
	7515	-50.86	-13	-37.86	-72.16	-53.24	9.43	11.81	H
	3756	-55.95	-13	-42.95	-68.38	-57.66	5.08	6.80	V
	5637	-54.29	-13	-41.29	-71.38	-55.96	8.03	9.70	V
	7515	-50.90	-13	-37.90	-72.04	-53.28	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	-57.10	-13	-44.10	-71.34	-58.81	5.08	6.80	H
	5637	-55.29	-13	-42.29	-72.09	-56.96	8.03	9.70	H
	7515	-50.79	-13	-37.79	-72.09	-53.17	9.43	11.81	H
	3756	-57.85	-13	-44.85	-70.28	-59.56	5.08	6.80	V
	5637	-55.65	-13	-42.65	-72.74	-57.32	8.03	9.70	V
	7515	-51.66	-13	-38.66	-72.8	-54.04	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	-56.57	-13	-43.57	-70.81	-58.28	5.08	6.80	H
	5628	-51.72	-13	-38.72	-68.52	-53.39	8.03	9.70	H
	7503	-51.42	-13	-38.42	-72.72	-53.80	9.43	11.81	H
	3750	-58.46	-13	-45.46	-70.89	-60.17	5.08	6.80	V
	5628	-50.67	-13	-37.67	-67.76	-52.34	8.03	9.70	V
	7503	-50.19	-13	-37.19	-71.33	-52.57	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	-57.18	-13	-44.18	-71.42	-58.89	5.08	6.80	H
	5619	-50.22	-13	-37.22	-67.02	-51.89	8.03	9.70	H
	7494	-51.26	-13	-38.26	-72.56	-53.64	9.43	11.81	H
	3747	-56.55	-13	-43.55	-68.98	-58.26	5.08	6.80	V
	5619	-49.60	-13	-36.60	-66.69	-51.27	8.03	9.70	V
	7494	-50.15	-13	-37.15	-71.29	-52.53	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	-56.72	-13	-43.72	-70.96	-58.43	5.08	6.80	H
	5613	-52.51	-13	-39.51	-69.31	-54.18	8.03	9.70	H
	7485	-50.75	-13	-37.75	-72.05	-53.13	9.43	11.81	H
	3741	-58.06	-13	-45.06	-70.49	-59.77	5.08	6.80	V
	5613	-53.52	-13	-40.52	-70.61	-55.19	8.03	9.70	V
	7485	-51.42	-13	-38.42	-72.56	-53.80	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	3463.74	-57.60	-13	-44.60	-76.93	-65.83	4.37	12.60	H
	5195.61	-49.69	-13	-36.69	-73.85	-57.45	4.94	12.70	H
	6927.48	-57.47	-13	-44.47	-81.38	-62.85	6.32	11.70	H
	3463.74	-61.93	-13	-48.93	-78.01	-70.16	4.37	12.60	V
	5195.61	-57.25	-13	-44.25	-76.76	-65.01	4.94	12.70	V
	6927.48	-57.49	-13	-44.49	-81.4	-62.87	6.32	11.70	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	-57.61	-13	-44.61	-76.94	-65.84	4.37	12.60	H
	5193.72	-50.66	-13	-37.66	-74.82	-58.42	4.94	12.70	H
	6924.96	-57.49	-13	-44.49	-81.40	-62.87	6.32	11.70	H
	3462.48	-61.94	-13	-48.94	-78.02	-70.17	4.37	12.60	V
	5193.72	-56.36	-13	-43.36	-75.87	-64.12	4.94	12.70	V
	6924.96	-57.55	-13	-44.55	-81.46	-62.93	6.32	11.70	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	3460.68	-58.63	-13	-45.63	-77.96	-66.86	4.37	12.60	H
	5191.02	-51.67	-13	-38.67	-75.83	-59.43	4.94	12.70	H
	6921.36	-57.34	-13	-44.34	-81.25	-62.72	6.32	11.70	H
	3460.68	-61.91	-13	-48.91	-77.99	-70.14	4.37	12.60	V
	5191.02	-57.29	-13	-44.29	-76.8	-65.05	4.94	12.70	V
	6921.36	-57.49	-13	-44.49	-81.4	-62.87	6.32	11.70	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	3456.18	-57.20	-13	-44.20	-76.53	-65.43	4.37	12.60	H
	5184.27	-47.67	-13	-34.67	-71.83	-55.43	4.94	12.70	H
	6912.36	-57.45	-13	-44.45	-81.36	-62.83	6.32	11.70	H
	3456.18	-62.33	-13	-49.33	-78.41	-70.56	4.37	12.60	V
	5184.27	-55.36	-13	-42.36	-74.87	-63.12	4.94	12.70	V
	6912.36	-57.45	-13	-44.45	-81.36	-62.83	6.32	11.70	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	3451.68	-59.19	-13	-46.19	-78.52	-67.42	4.37	12.60	H
	5177.52	-51.45	-13	-38.45	-75.61	-59.21	4.94	12.70	H
	6903.36	-57.34	-13	-44.34	-81.25	-62.72	6.32	11.70	H
	3451.68	-62.98	-13	-49.98	-79.06	-71.21	4.37	12.60	V
	5177.52	-56.11	-13	-43.11	-75.62	-63.87	4.94	12.70	V
	6903.36	-57.40	-13	-44.40	-81.31	-62.78	6.32	11.70	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	3447.18	-58.65	-13	-45.65	-77.98	-66.88	4.37	12.60	H
	5170.77	-50.62	-13	-37.62	-74.78	-58.38	4.94	12.70	H
	6894.36	-57.47	-13	-44.47	-81.38	-62.85	6.32	11.70	H
	3447.18	-61.91	-13	-48.91	-77.99	-70.14	4.37	12.60	V
	5170.77	-55.33	-13	-42.33	-74.84	-63.09	4.94	12.70	V
	6894.36	-57.49	-13	-44.49	-81.4	-62.87	6.32	11.70	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	-64.02	-13	-51.02	-66.62	-66.34	1.33	5.80	H
	2508	-58.85	-13	-45.85	-68.20	-62.02	1.58	6.90	H
	3345	-62.28	-13	-49.28	-71.49	-65.78	1.85	7.50	H
	1672	-65.24	-13	-52.24	-67.11	-67.56	1.33	5.80	V
	2508	-60.05	-13	-47.05	-68.02	-63.22	1.58	6.90	V
	3345	-62.59	-13	-49.59	-71.61	-66.09	1.85	7.50	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	-62.75	-13	-49.75	-65.35	-65.07	1.33	5.80	H
	2504	-58.47	-13	-45.47	-67.82	-61.64	1.58	6.90	H
	3342	-62.20	-13	-49.20	-71.41	-65.70	1.85	7.50	H
	1670	-62.23	-13	-49.23	-64.10	-64.55	1.33	5.80	V
	2504	-59.73	-13	-46.73	-67.70	-62.90	1.58	6.90	V
	3342	-62.24	-13	-49.24	-71.26	-65.74	1.85	7.50	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	-64.38	-13	-51.38	-66.98	-66.70	1.33	5.80	H
	2504	-57.54	-13	-44.54	-66.89	-60.71	1.58	6.90	H
	3336	-62.36	-13	-49.36	-71.57	-65.86	1.85	7.50	H
	1668	-64.07	-13	-51.07	-65.94	-66.39	1.33	5.80	V
	2504	-59.54	-13	-46.54	-67.51	-62.71	1.58	6.90	V
	3336	-63.28	-13	-50.28	-72.30	-66.78	1.85	7.50	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	-64.30	-13	-51.30	-66.90	-66.62	1.33	5.80	H
	2496	-58.82	-13	-45.82	-68.17	-61.99	1.58	6.90	H
	3327	-62.50	-13	-49.50	-71.71	-66.00	1.85	7.50	H
	1664	-64.73	-13	-51.73	-66.60	-67.05	1.33	5.80	V
	2496	-59.51	-13	-46.51	-67.48	-62.68	1.58	6.90	V
	3327	-63.13	-13	-50.13	-72.15	-66.63	1.85	7.50	V

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



LTE Band 12 / 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	1414	-65.16	-13	-52.16	-66.11	-66.39	1.17	4.55	H
	2120	-64.30	-13	-51.30	-68.89	-66.05	1.45	5.35	H
	2828	-65.68	-13	-52.68	-69.65	-67.95	1.68	6.10	H
	1414	-63.70	-13	-50.70	-64.77	-64.93	1.17	4.55	V
	2120	-64.15	-13	-51.15	-68.73	-65.90	1.45	5.35	V
	2828	-63.40	-13	-50.40	-68.08	-65.66	1.68	6.10	V

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

LTE Band 12 / 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	1412	-64.21	-13	-51.21	-65.16	-65.44	1.17	4.55	H
	2118	-63.88	-13	-50.88	-68.47	-65.63	1.45	5.35	H
	2824	-64.91	-13	-51.91	-68.88	-67.18	1.68	6.10	H
	1412	-64.45	-13	-51.45	-65.52	-65.68	1.17	4.55	V
	2118	-63.69	-13	-50.69	-68.27	-65.44	1.45	5.35	V
	2824	-64.29	-13	-51.29	-68.97	-66.55	1.68	6.10	V

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



LTE Band 12 / 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	1410	-63.93	-13	-50.93	-64.88	-65.16	1.17	4.55	H
	2116	-64.42	-13	-51.42	-69.01	-66.17	1.45	5.35	H
	2822	-64.67	-13	-51.67	-68.64	-66.94	1.68	6.10	H
	1410	-64.46	-13	-51.46	-65.53	-65.69	1.17	4.55	V
	2116	-63.80	-13	-50.80	-68.38	-65.55	1.45	5.35	V
	2822	-64.36	-13	-51.36	-69.04	-66.62	1.68	6.10	V

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

LTE Band 12 / 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	1406	-64.01	-13	-51.01	-64.96	-65.24	1.17	4.55	H
	2110	-62.72	-13	-49.72	-67.31	-64.47	1.45	5.35	H
	2812	-65.70	-13	-52.70	-69.67	-67.97	1.68	6.10	H
	1406	-66.19	-13	-53.19	-67.26	-67.42	1.17	4.55	V
	2110	-62.64	-13	-49.64	-67.22	-64.39	1.45	5.35	V
	2812	-64.27	-13	-51.27	-68.95	-66.53	1.68	6.10	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	-61.54	-40	-21.54	-64.85	-65.66	1.00	5.12	H
	2339	-59.47	-13	-46.47	-67.99	-62.70	1.24	6.62	H
	3120	-61.15	-13	-48.15	-70.75	-65.03	1.42	7.46	H
	1560	-56.84	-40	-16.84	-63.23	-60.96	1.00	5.12	V
	2340	-58.69	-13	-45.69	-67.96	-61.92	1.24	6.62	V
	3120	-59.90	-13	-46.90	-71.22	-63.78	1.42	7.46	V

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

LTE Band 13 / 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	1556	-65.80	-13	-52.80	-66.96	-67.77	1.00	5.12	H
	2332	-59.67	-13	-46.67	-68.19	-62.90	1.24	6.62	H
	3111	-61.09	-13	-48.09	-70.69	-64.97	1.42	7.46	H
	1556	-62.62	-13	-49.62	-66.86	-64.59	1.00	5.12	V
	2332	-60.13	-13	-47.13	-69.40	-63.36	1.24	6.62	V
	3111	-59.55	-13	-46.55	-70.87	-63.43	1.42	7.46	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	3508.74	-57.71	-13	-44.71	-77.04	-65.94	4.37	12.60	H
	5263.11	-44.29	-13	-31.29	-68.45	-52.05	4.94	12.70	H
	7017.48	-57.26	-13	-44.26	-81.17	-62.64	6.32	11.70	H
	3508.74	-60.63	-13	-47.63	-76.71	-68.86	4.37	12.60	V
	5263.11	-48.08	-13	-35.08	-67.59	-55.84	4.94	12.70	V
	7017.48	-57.44	-13	-44.44	-81.35	-62.82	6.32	11.70	V

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

LTE Band 66 / 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	3507.3	-57.29	-13	-44.29	-76.62	-65.52	4.37	12.60	H
	5260.95	-44.64	-13	-31.64	-68.80	-52.40	4.94	12.70	H
	7014.6	-57.38	-13	-44.38	-81.29	-62.76	6.32	11.70	H
	3507.3	-60.34	-13	-47.34	-76.42	-68.57	4.37	12.60	V
	5260.95	-49.73	-13	-36.73	-69.24	-57.49	4.94	12.70	V
	7014.6	-57.26	-13	-44.26	-81.17	-62.64	6.32	11.70	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	3505.5	-55.86	-13	-42.86	-75.19	-64.09	4.37	12.60	H
	5258.25	-45.91	-13	-32.91	-70.07	-53.67	4.94	12.70	H
	7011	-57.41	-13	-44.41	-81.32	-62.79	6.32	11.70	H
	3505.5	-59.37	-13	-46.37	-75.45	-67.60	4.37	12.60	V
	5258.25	-50.06	-13	-37.06	-69.57	-57.82	4.94	12.70	V
	7011	-57.36	-13	-44.36	-81.27	-62.74	6.32	11.70	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	3501	-58.04	-13	-45.04	-77.37	-66.27	4.37	12.60	H
	5251.5	-39.80	-13	-26.80	-63.96	-47.56	4.94	12.70	H
	7002	-57.28	-13	-44.28	-81.19	-62.66	6.32	11.70	H
	3501	-59.64	-13	-46.64	-75.72	-67.87	4.37	12.60	V
	5251.5	-44.17	-13	-31.17	-65.38	-51.93	4.94	12.70	V
	7002	-57.34	-13	-44.34	-81.25	-62.72	6.32	11.70	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	3496.5	-57.09	-13	-44.09	-76.42	-65.32	4.37	12.60	H
	5244.75	-44.47	-13	-31.47	-68.63	-52.23	4.94	12.70	H
	6993	-57.33	-13	-44.33	-81.24	-62.71	6.32	11.70	H
	3496.5	-59.64	-13	-46.64	-75.72	-67.87	4.37	12.60	V
	5244.75	-51.20	-13	-38.20	-70.71	-58.96	4.94	12.70	V
	6993	-57.33	-13	-44.33	-81.24	-62.71	6.32	11.70	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	3492	-58.49	-13	-45.49	-77.82	-66.72	4.37	12.60	H
	5238	-45.98	-13	-32.98	-70.14	-53.74	4.94	12.70	H
	6984	-57.37	-13	-44.37	-81.28	-62.75	6.32	11.70	H
	3492	-60.42	-13	-47.42	-76.5	-68.65	4.37	12.60	V
	5238	-49.70	-13	-36.70	-69.21	-57.46	4.94	12.70	V
	6984	-57.32	-13	-44.32	-81.23	-62.70	6.32	11.70	V

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



<Top Antenna>

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	-61.93	-13	-48.93	-64.53	-64.25	1.33	5.80	H
	2504	-59.43	-13	-46.43	-68.78	-62.60	1.58	6.90	H
	3336	-62.60	-13	-49.60	-71.81	-66.10	1.85	7.50	H
	1668	-61.66	-13	-48.66	-63.53	-63.98	1.33	5.80	V
	2504	-61.80	-13	-48.80	-69.77	-64.97	1.58	6.90	V
	3336	-63.33	-13	-50.33	-72.35	-66.83	1.85	7.50	V

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

LTE Band 12 / 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	1406	-59.01	-13	-46.01	-61.43	-60.24	1.17	4.55	H
	2110	-63.46	-13	-50.46	-68.05	-65.21	1.45	5.35	H
	2812	-65.16	-13	-52.16	-69.13	-67.43	1.68	6.10	H
	1406	-62.29	-13	-49.29	-63.36	-63.52	1.17	4.55	V
	2110	-62.40	-13	-49.40	-66.98	-64.15	1.45	5.35	V
	2812	-63.92	-13	-50.92	-68.60	-66.18	1.68	6.10	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	-58.14	-40	-18.14	-61.45	-62.26	1.00	5.12	H
	2340	-58.43	-13	-45.43	-66.95	-61.66	1.24	6.62	H
	3120	-62.38	-13	-49.38	-71.98	-66.26	1.42	7.46	H
	1560	-55.43	-40	-15.43	-61.82	-59.55	1.00	5.12	V
	2340	-58.20	-13	-45.20	-67.47	-61.43	1.24	6.62	V
	3120	-57.95	-13	-44.95	-69.27	-61.83	1.42	7.46	V

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