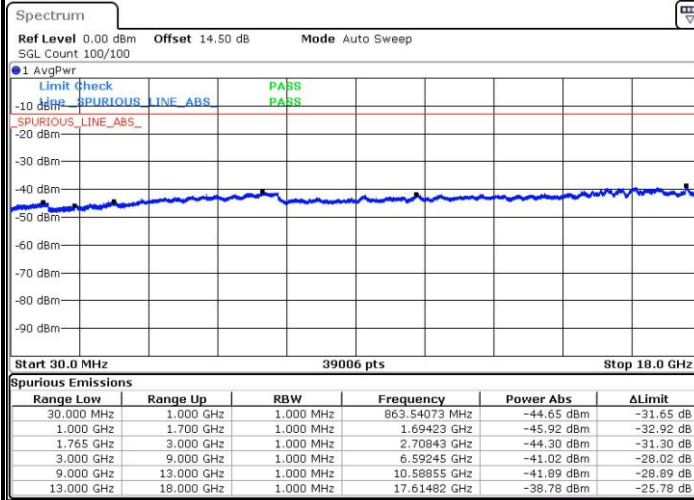




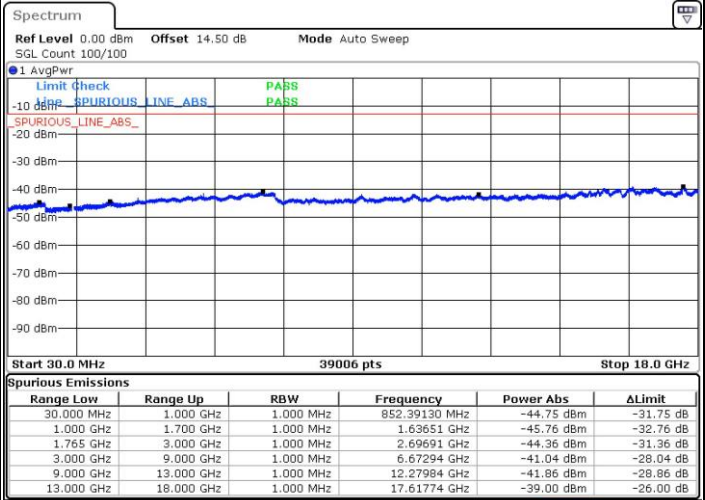
LTE Band 4 / 5MHz

Lowest Channel / QPSK



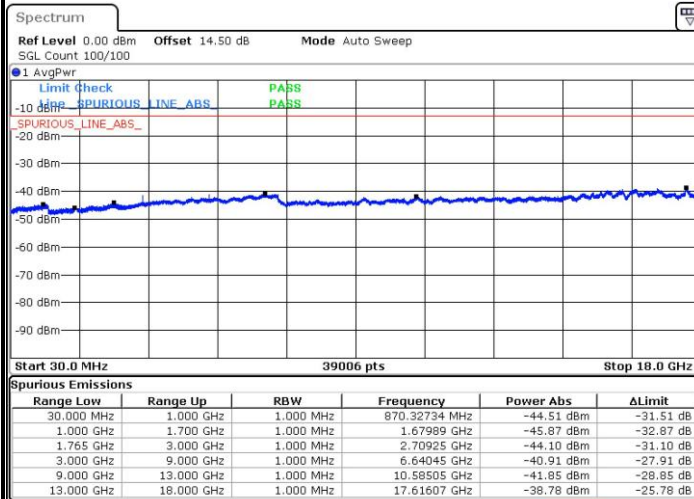
Date: 6 MAY 2017 19:54:14

Lowest Channel / 16QAM



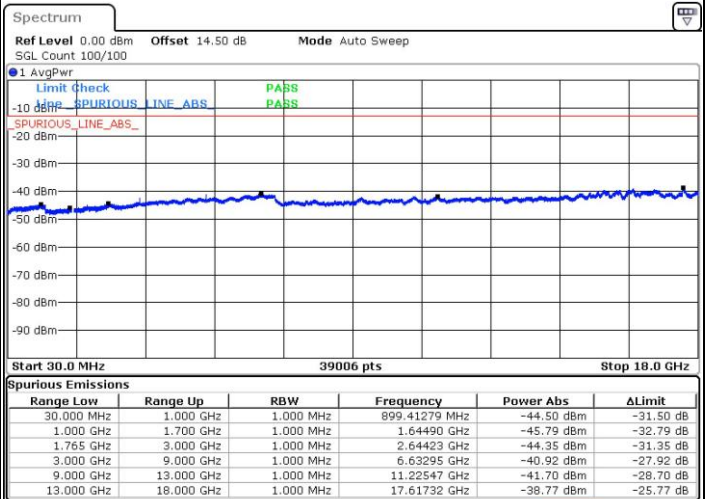
Date: 6 MAY 2017 19:55:09

Middle Channel / QPSK



Date: 6 MAY 2017 19:56:46

Middle Channel / 16QAM

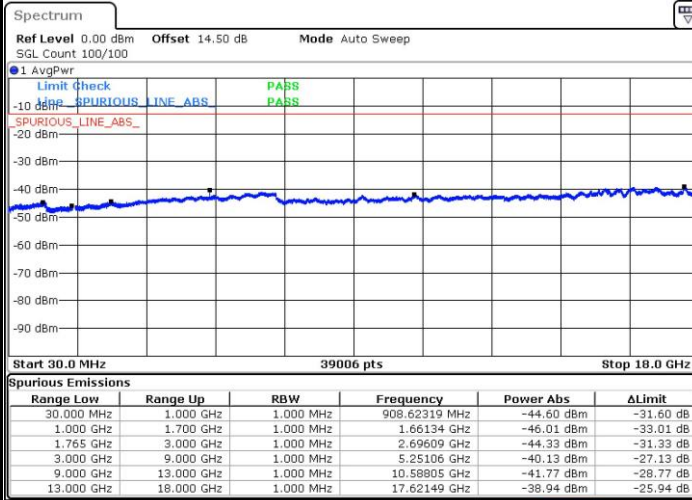


Date: 6 MAY 2017 19:57:40



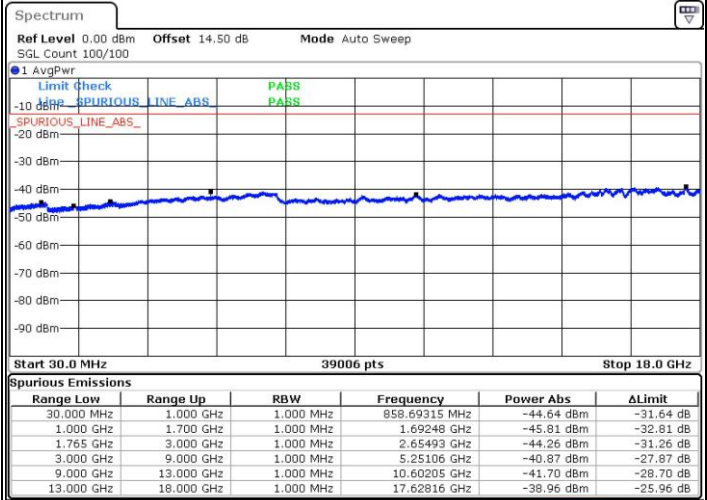
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 6 MAY 2017 20:03:54

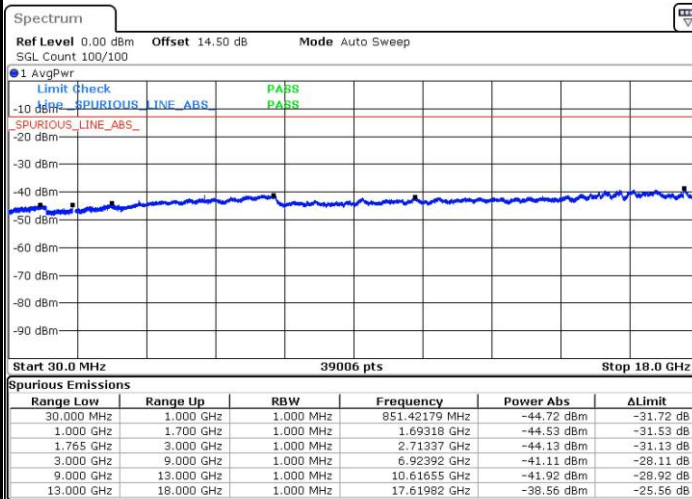
Highest Channel / 16QAM



Date: 6 MAY 2017 20:04:48

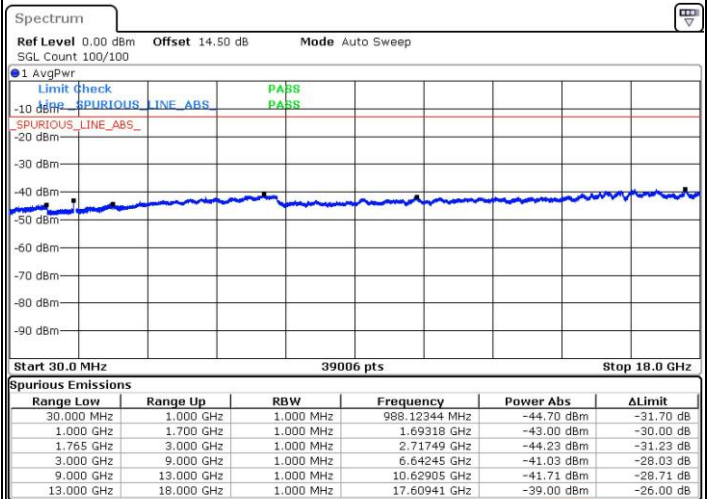
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 6 MAY 2017 20:11:01

Lowest Channel / 16QAM

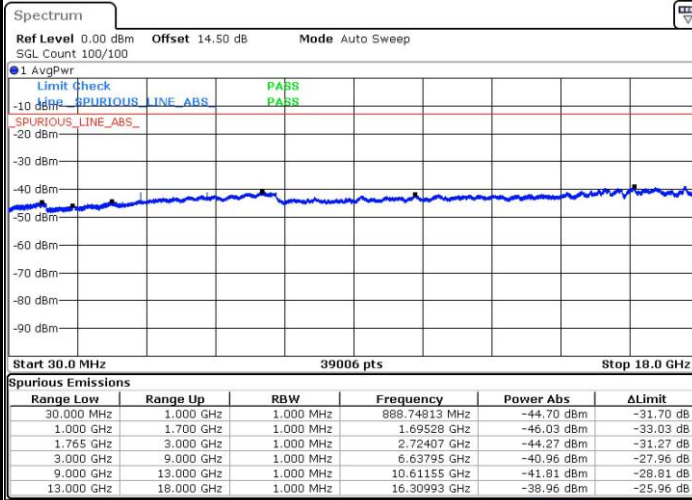


Date: 6 MAY 2017 20:11:56



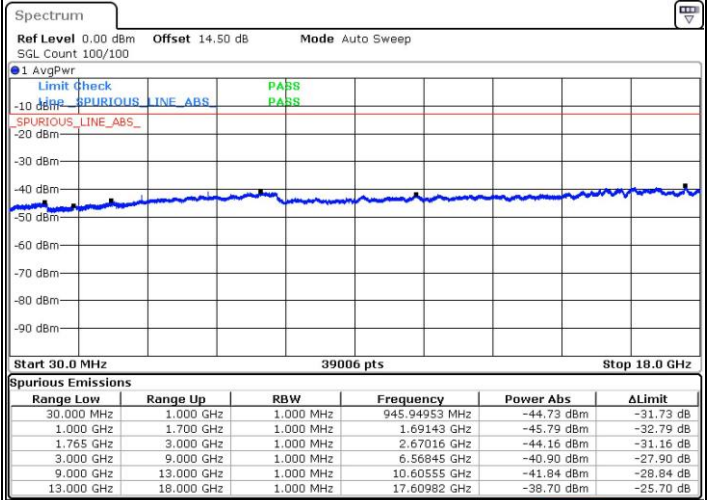
LTE Band 4 / 10MHz

Middle Channel / QPSK



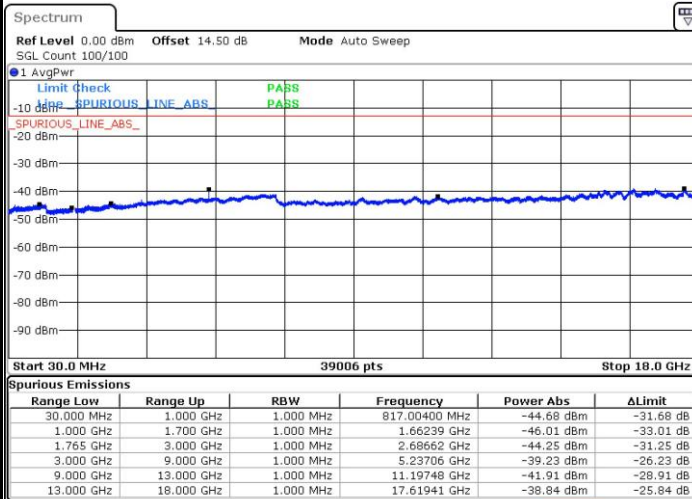
Date: 6 MAY 2017 20:13:32

Middle Channel / 16QAM



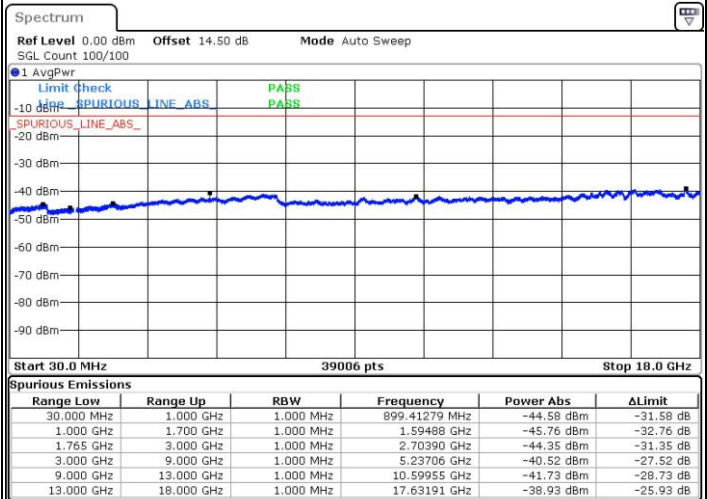
Date: 6 MAY 2017 20:14:27

Highest Channel / QPSK



Date: 6 MAY 2017 20:20:40

Highest Channel / 16QAM

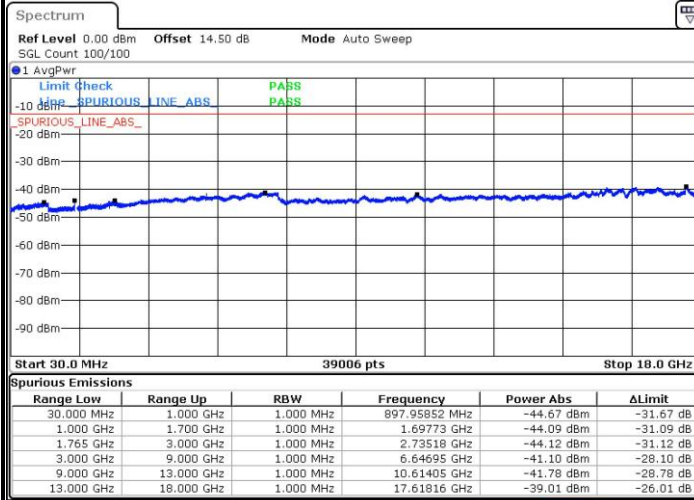


Date: 6 MAY 2017 20:21:35



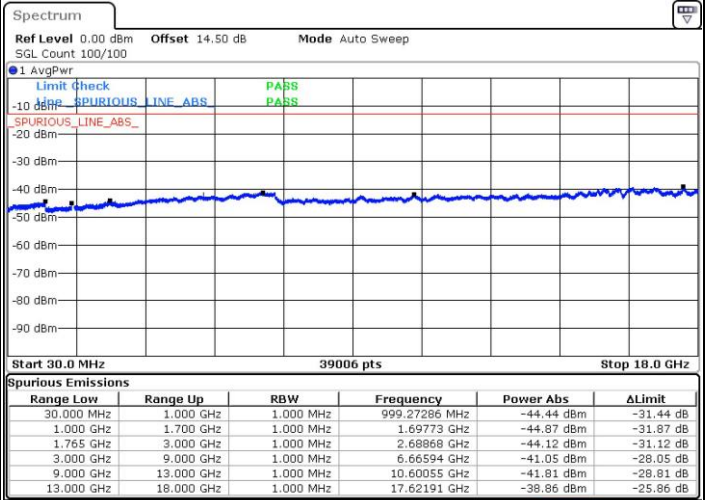
LTE Band 4 / 15MHz

Lowest Channel / QPSK



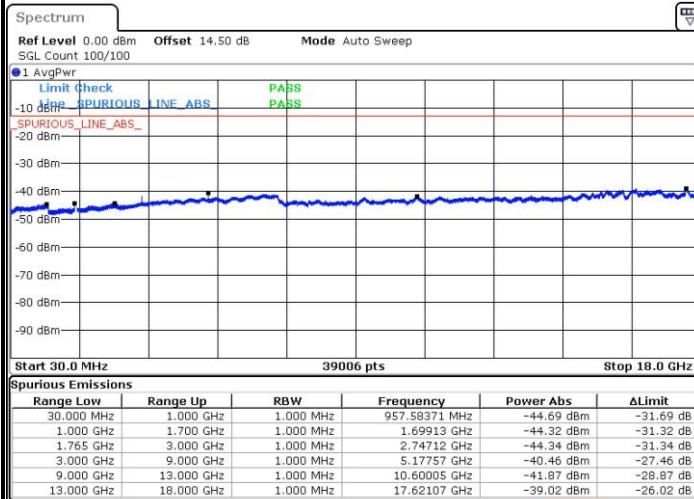
Date: 6 MAY 2017 20:27:48

Lowest Channel / 16QAM



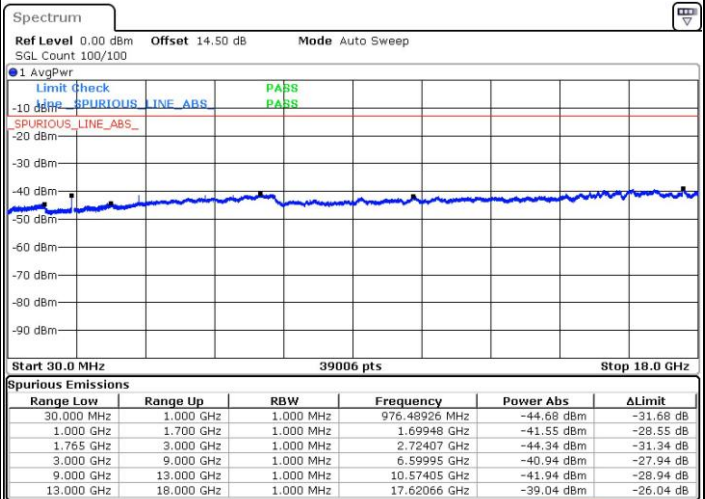
Date: 6 MAY 2017 20:28:43

Middle Channel / QPSK



Date: 6 MAY 2017 20:30:19

Middle Channel / 16QAM

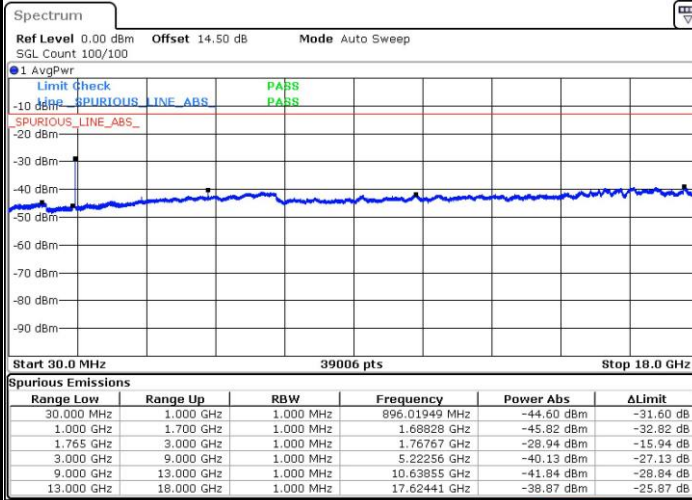


Date: 6 MAY 2017 20:31:14



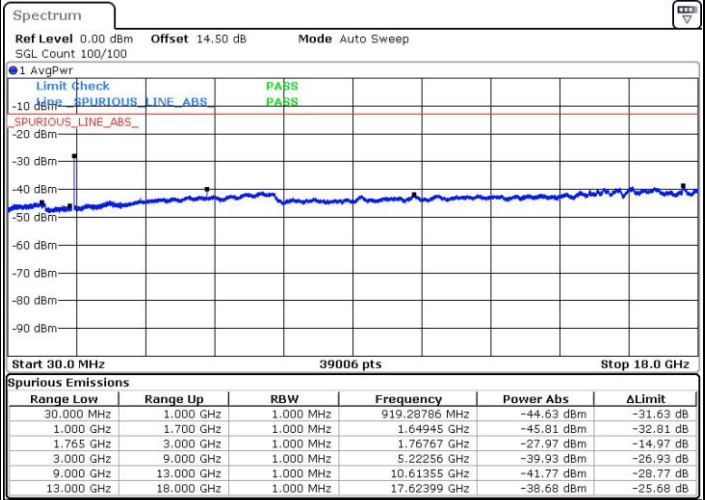
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 6 MAY 2017 20:37:27

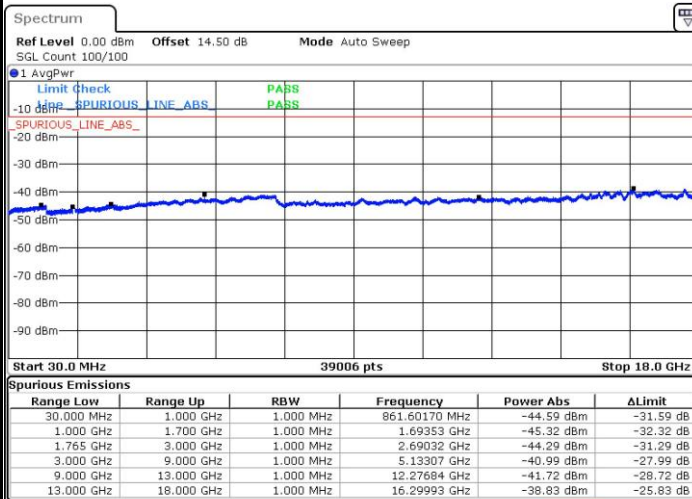
Highest Channel / 16QAM



Date: 6 MAY 2017 20:38:21

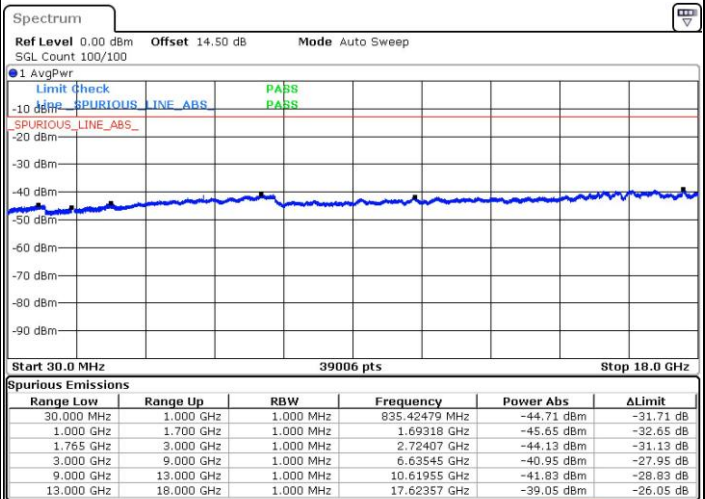
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 6 MAY 2017 20:44:35

Lowest Channel / 16QAM

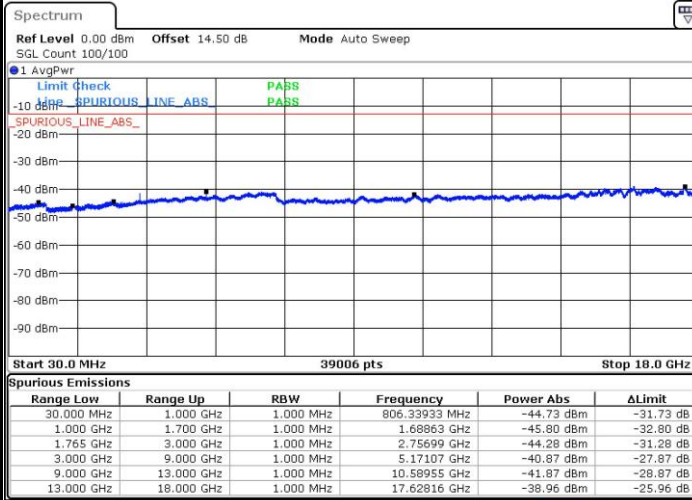


Date: 6 MAY 2017 20:45:29



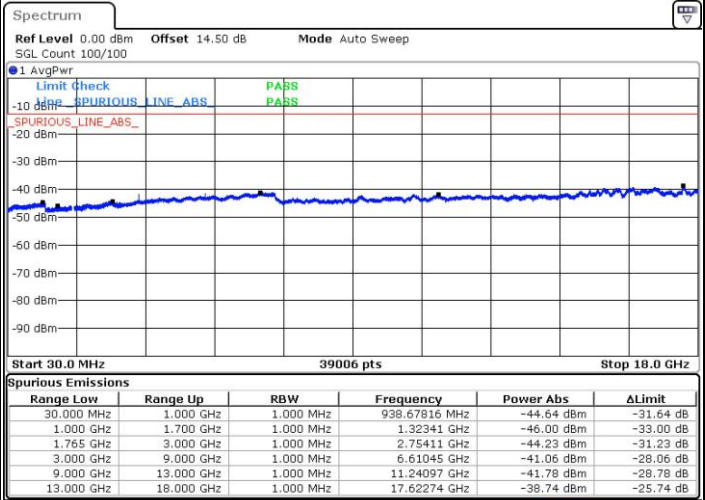
LTE Band 4 / 20MHz

Middle Channel / QPSK



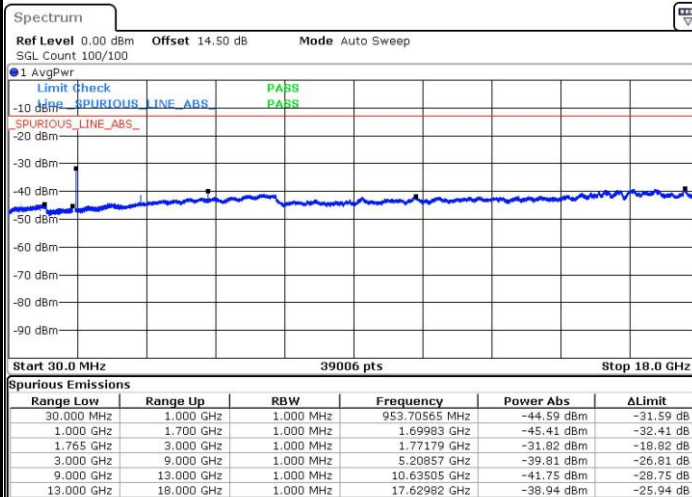
Date: 6 MAY 2017 20:47:06

Middle Channel / 16QAM



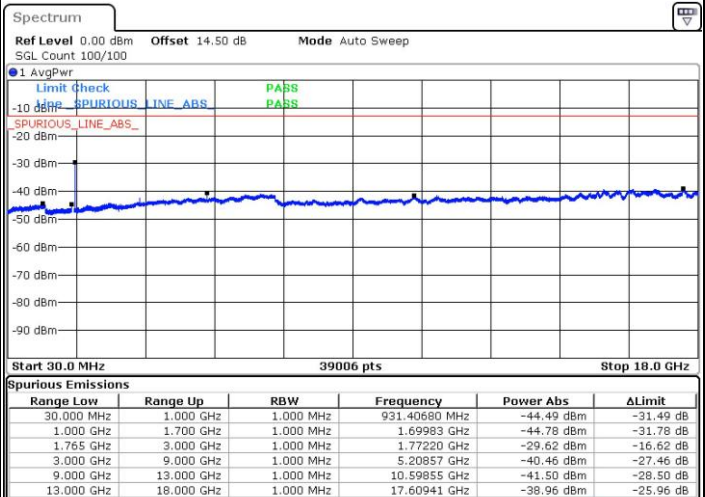
Date: 6 MAY 2017 20:48:01

Highest Channel / QPSK



Date: 6 MAY 2017 20:54:14

Highest Channel / 16QAM

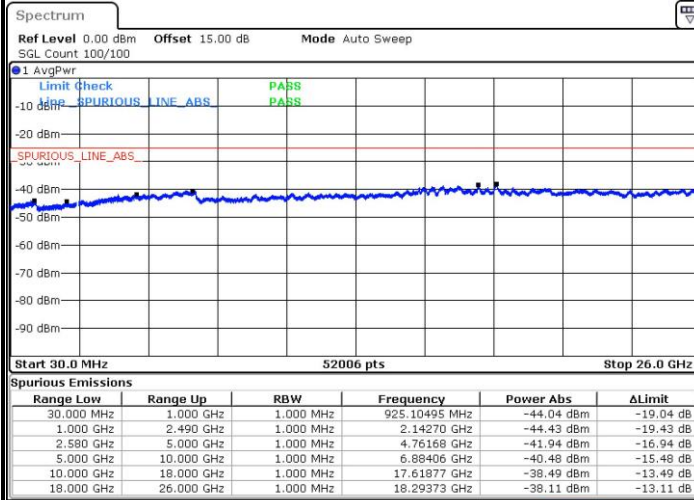


Date: 6 MAY 2017 20:55:09



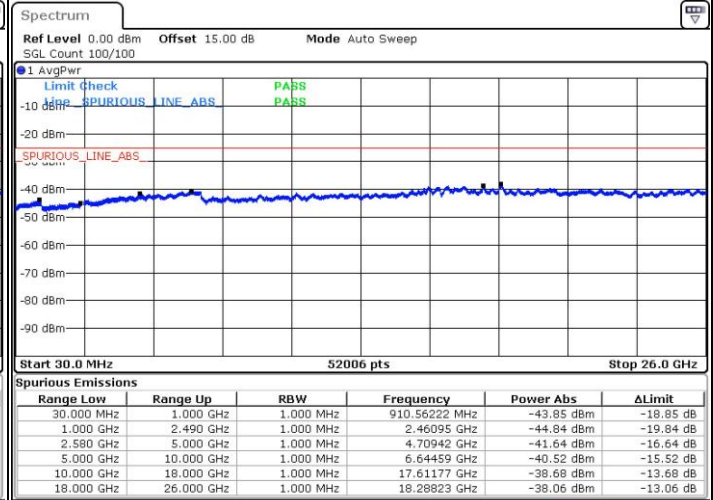
LTE Band 7 / 5MHz

Lowest Channel / QPSK



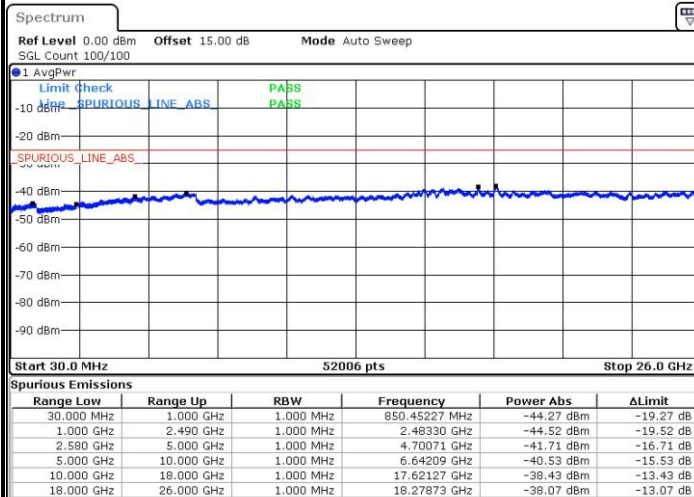
Date: 7.MAY.2017 19:07:03

Lowest Channel / 16QAM



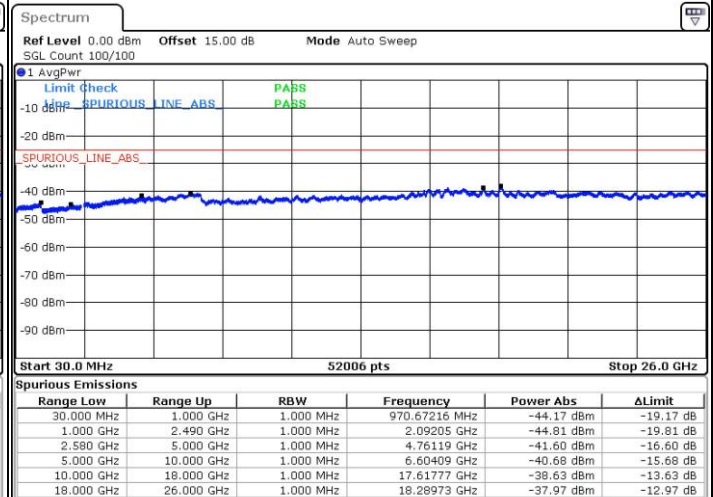
Date: 7.MAY.2017 19:07:57

Middle Channel / QPSK



Date: 7.MAY.2017 19:09:32

Middle Channel / 16QAM

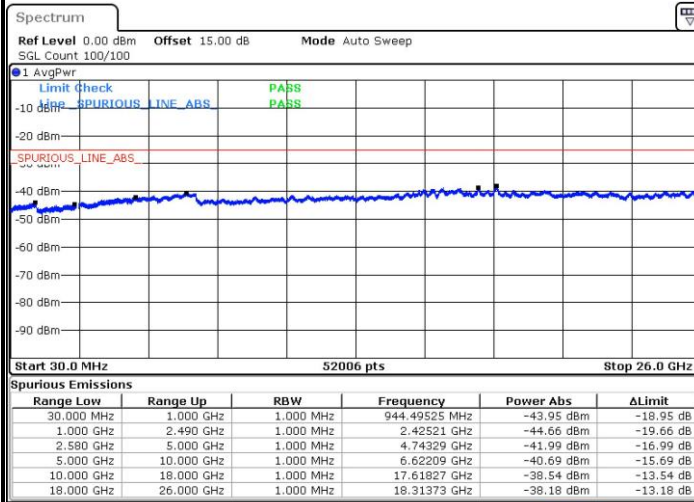


Date: 7.MAY.2017 19:10:26



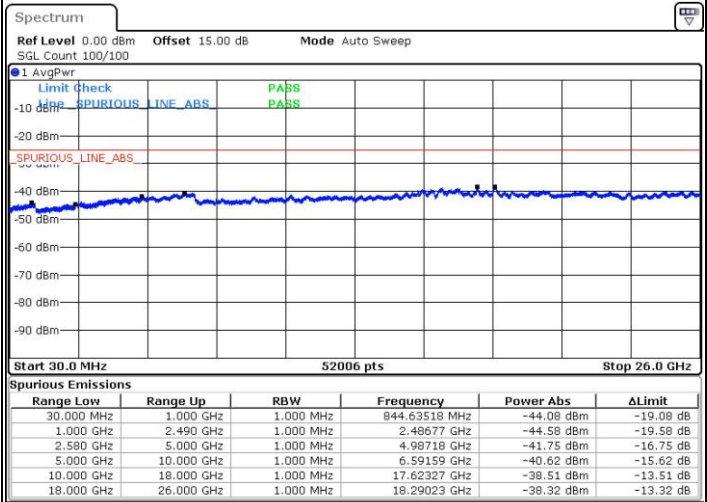
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 7.MAY.2017 19:16:41

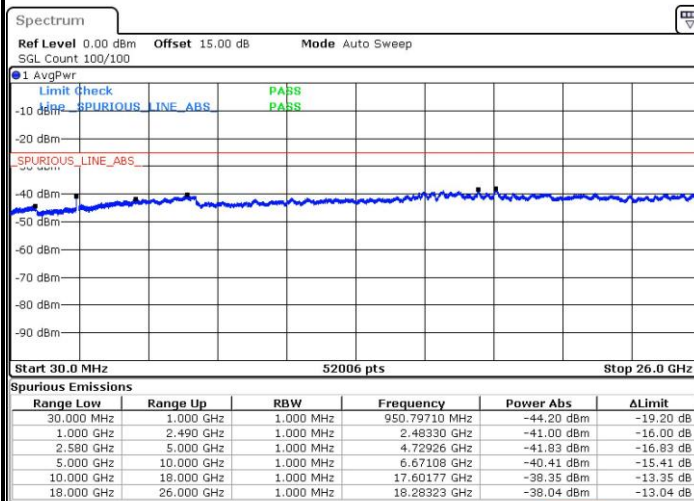
Highest Channel / 16QAM



Date: 7.MAY.2017 19:17:35

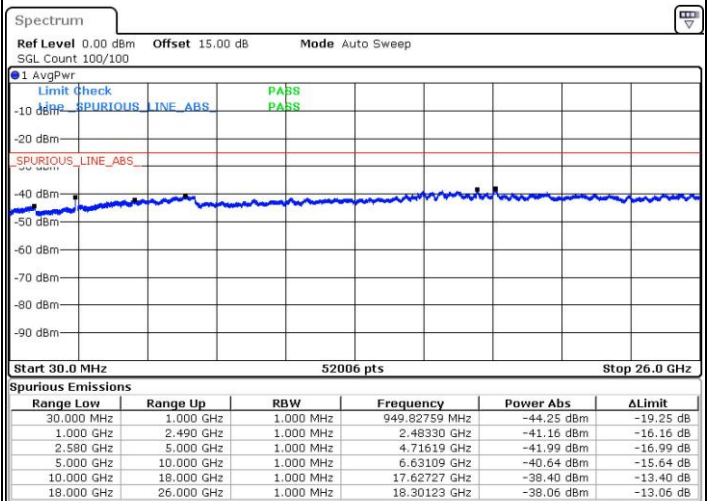
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 7.MAY.2017 19:23:50

Lowest Channel / 16QAM

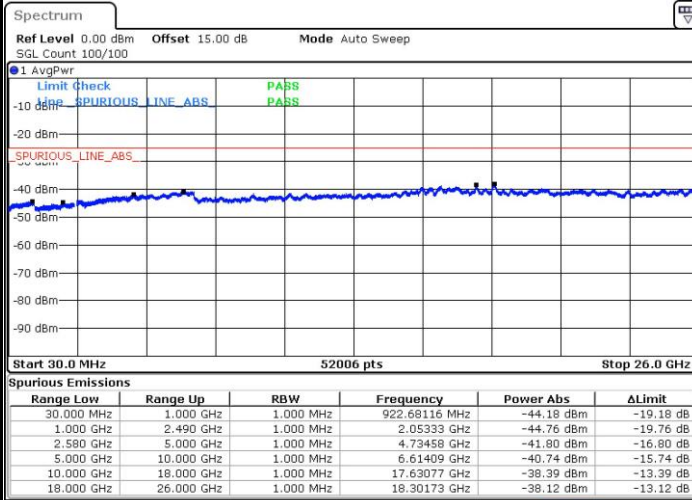


Date: 7.MAY.2017 19:24:43



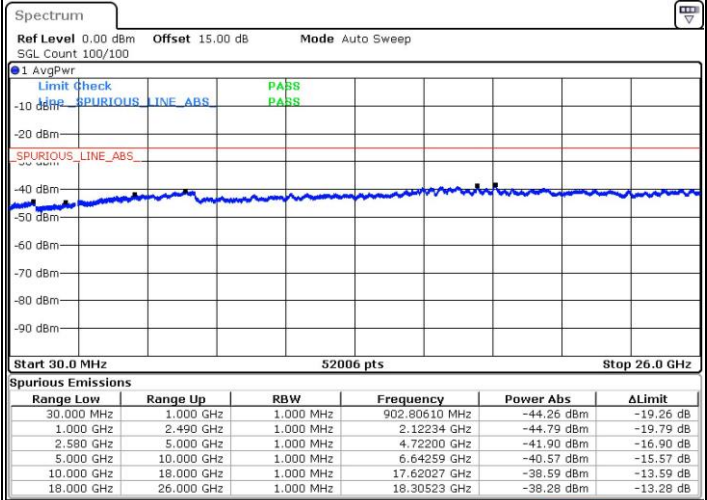
LTE Band 7 / 10MHz

Middle Channel / QPSK



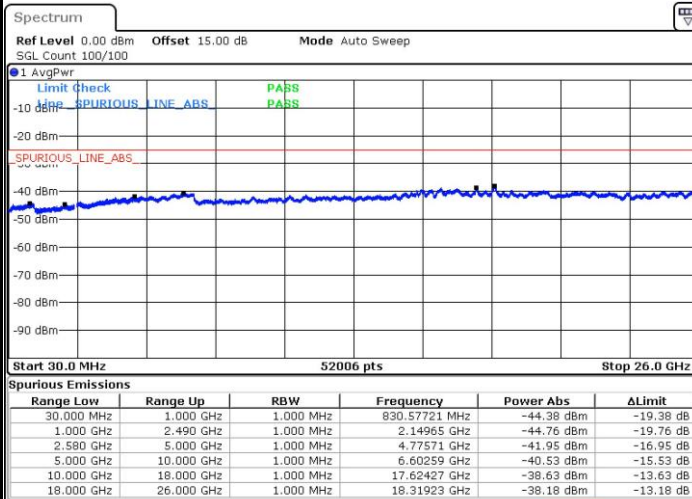
Date: 7.MAY.2017 19:26:19

Middle Channel / 16QAM



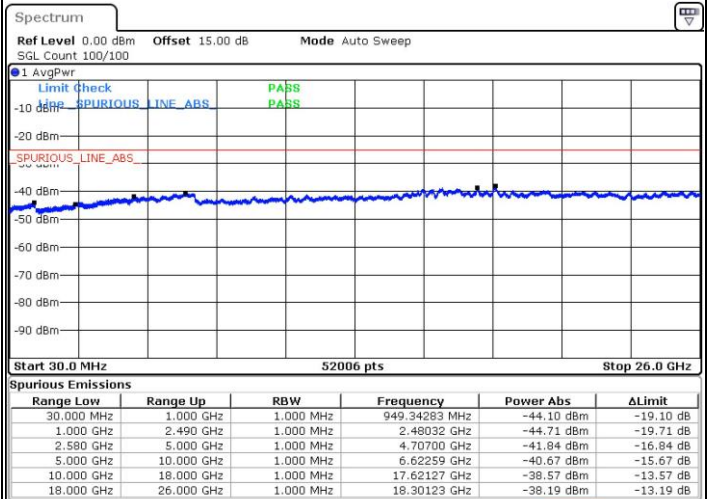
Date: 7.MAY.2017 19:27:13

Highest Channel / QPSK



Date: 7.MAY.2017 19:33:28

Highest Channel / 16QAM

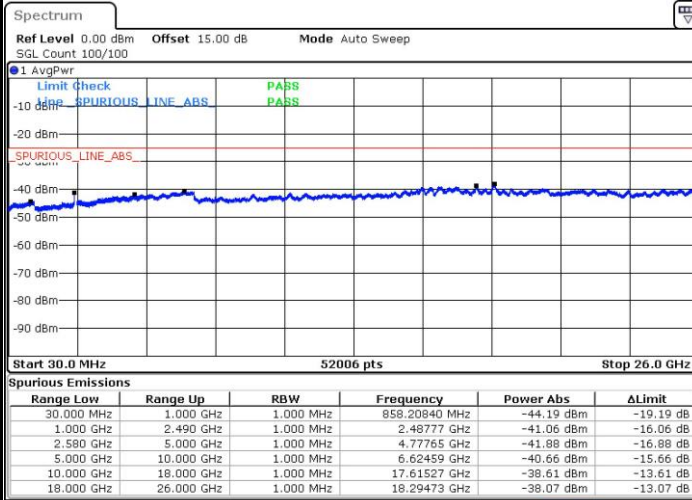


Date: 7.MAY.2017 19:34:21



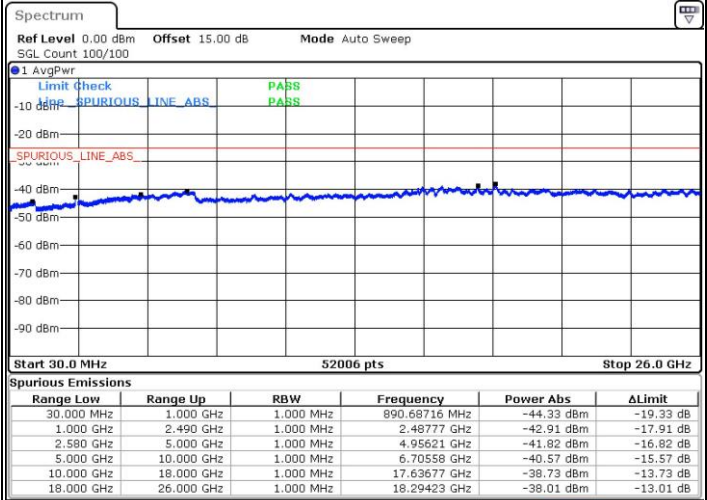
LTE Band 7 / 15MHz

Lowest Channel / QPSK



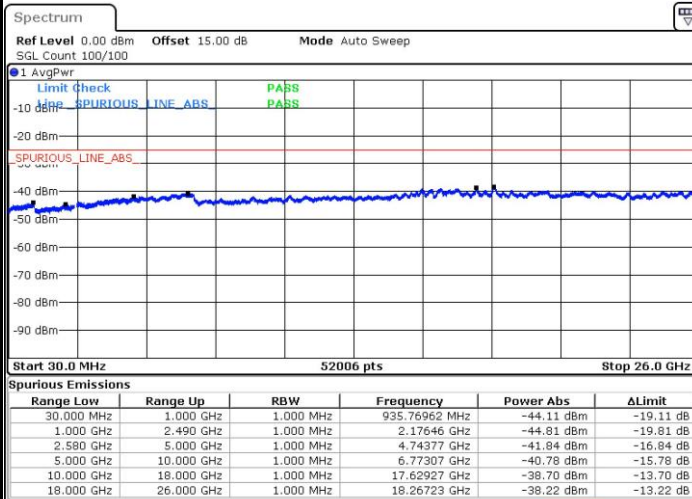
Date: 7.MAY.2017 19:40:36

Lowest Channel / 16QAM



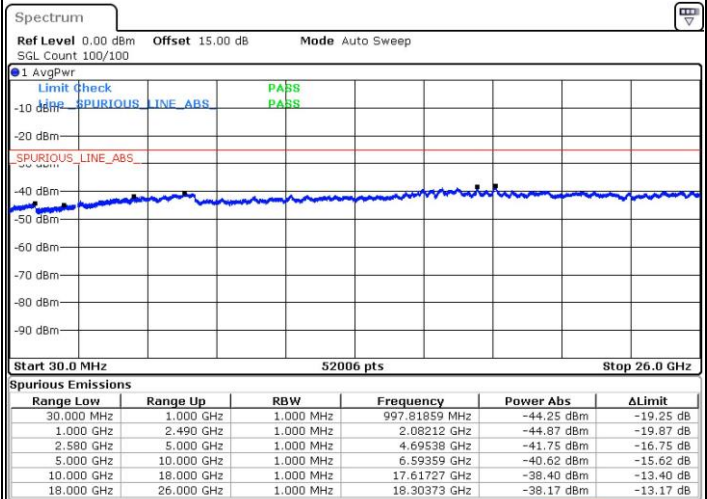
Date: 7.MAY.2017 19:41:30

Middle Channel / QPSK



Date: 7.MAY.2017 19:43:05

Middle Channel / 16QAM

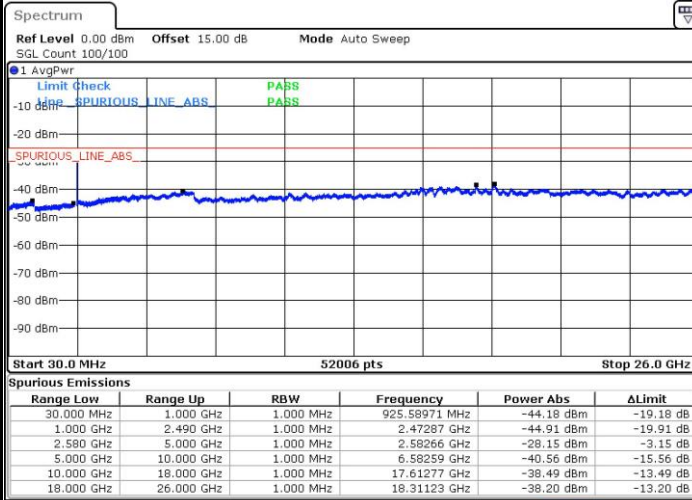


Date: 7.MAY.2017 19:43:59



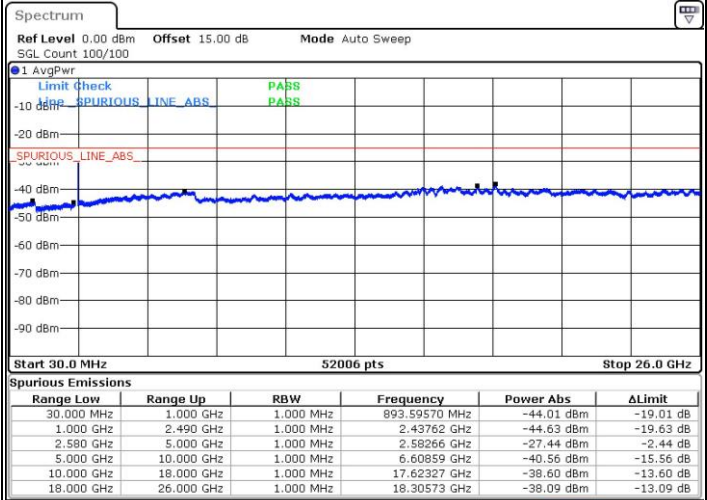
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 7.MAY.2017 19:50:14

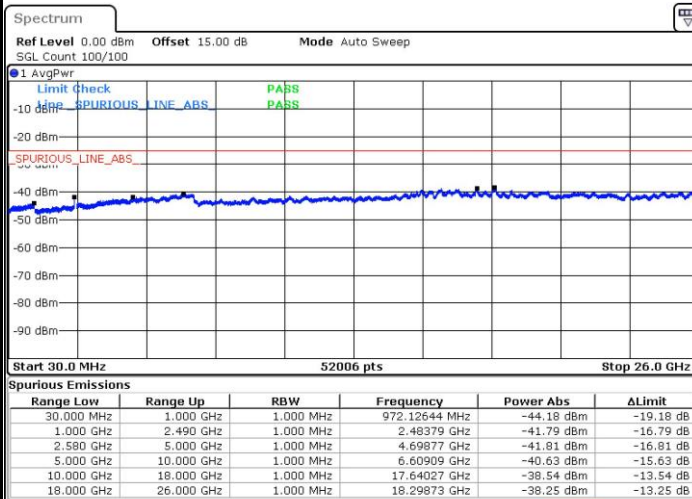
Highest Channel / 16QAM



Date: 7.MAY.2017 19:51:08

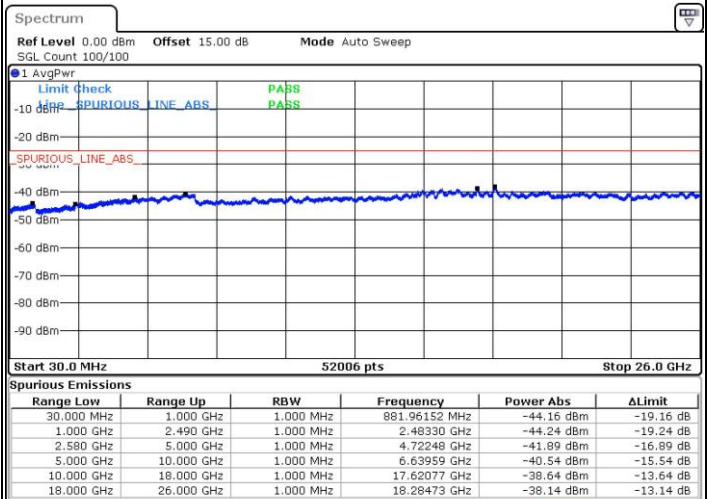
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 7.MAY.2017 19:57:23

Lowest Channel / 16QAM

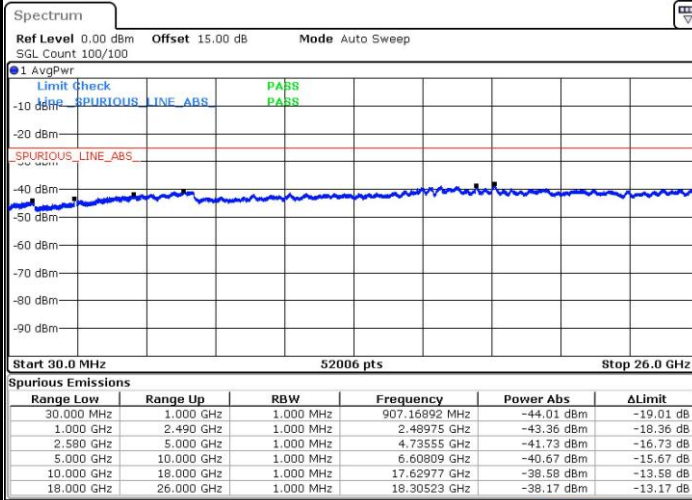


Date: 7.MAY.2017 19:58:17



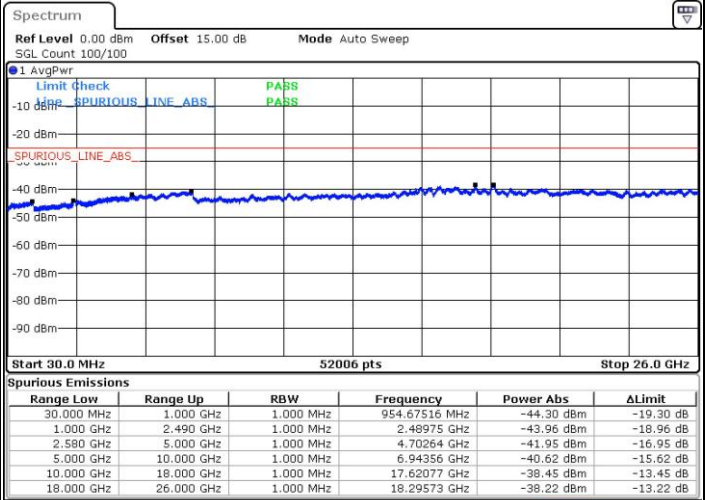
LTE Band 7 / 20MHz

Middle Channel / QPSK



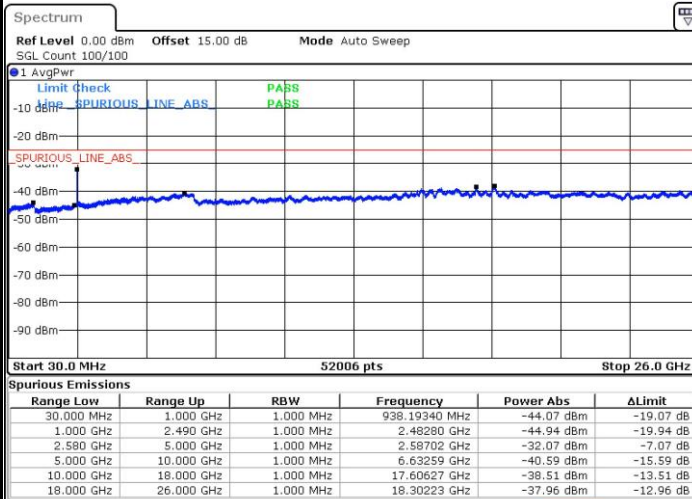
Date: 7.MAY.2017 19:59:53

Middle Channel / 16QAM



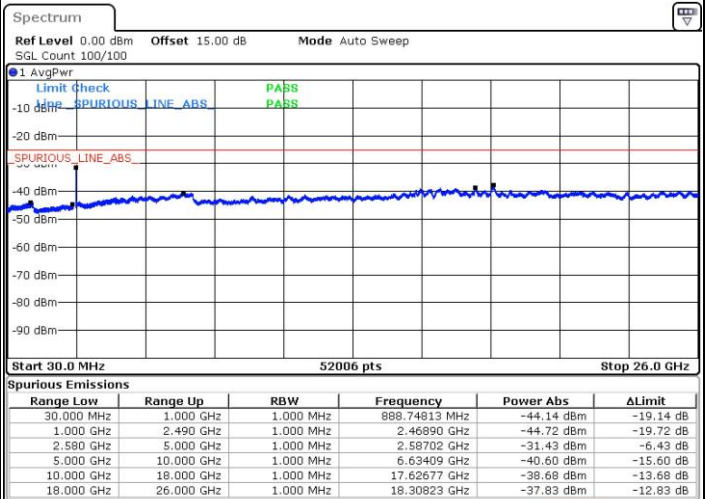
Date: 7.MAY.2017 20:00:47

Highest Channel / QPSK



Date: 7.MAY.2017 20:07:02

Highest Channel / 16QAM



Date: 7.MAY.2017 20:07:56

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	0.0197	PASS
40	Normal Voltage	0.0160	
30	Normal Voltage	0.0101	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0043	
0	Normal Voltage	0.0074	
-10	Normal Voltage	0.0117	
-20	Normal Voltage	0.0176	
-30	Normal Voltage	0.0234	
20	Maximum Voltage	0.0106	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =3.7 V ; Battery End Point (BEP) =3.5 V ; Maximum Voltage =4.3 V.
2. 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	0.0052	PASS
40	Normal Voltage	0.0031	
30	Normal Voltage	0.0073	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0092	
-10	Normal Voltage	0.0075	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0087	
20	Maximum Voltage	0.0066	
20	Normal Voltage	0.0092	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.7 V ; Battery End Point (BEP) =3.5V ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0150	PASS
40	Normal Voltage	0.0107	
30	Normal Voltage	0.0059	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0051	
0	Normal Voltage	0.0091	
-10	Normal Voltage	0.0122	
-20	Normal Voltage	0.0178	
-30	Normal Voltage	0.0170	
20	Maximum Voltage	0.0114	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0051	

Note:

1. Normal Voltage =3.7V ; Battery End Point (BEP) =3.5 V ; Maximum Voltage =4.3 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 / 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	3758.92	-50.32	-13	-37.32	-69.93	-58.07	4.85	12.60	H
	5638.38	-33.40	-13	-20.40	-59.20	-40.92	5.58	13.10	H
	7517.84	-52.98	-13	-39.98	-76.50	-57.72	6.56	11.30	H
	3758.92	-49.76	-13	-36.76	-70.15	-57.51	4.85	12.6	V
	5638.38	-37.79	-13	-24.79	-62.81	-45.31	5.58	13.1	V
	7517.84	-58.64	-13	-45.64	-82.18	-63.38	6.56	11.3	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	3757.48	-51.57	-13	-38.57	-71.18	-59.32	4.85	12.60	H
	5636.22	-31.67	-13	-18.67	-57.75	-39.19	5.58	13.10	H
	7514.96	-49.90	-13	-36.90	-73.42	-54.64	6.56	11.30	H
	3757.48	-43.26	-13	-30.26	-67.31	-51.01	4.85	12.6	V
	5636.22	-36.28	-13	-23.28	-61.81	-43.80	5.58	13.1	V
	7514.96	-56.27	-13	-43.27	-79.81	-61.01	6.56	11.3	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	3755.68	-50.99	-13	-37.99	-70.60	-58.74	4.85	12.60	H
	5633.52	-29.77	-13	-16.77	-56.32	-37.29	5.58	13.10	H
	7511.36	-49.32	-13	-36.32	-72.84	-54.06	6.56	11.30	H
	3755.68	-47.05	-13	-34.05	-67.44	-54.80	4.85	12.6	V
	5633.52	-37.10	-13	-24.10	-62.38	-44.62	5.58	13.1	V
	7511.36	-55.83	-13	-42.83	-79.37	-60.57	6.56	11.3	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	3751.18	-48.86	-13	-35.86	-68.47	-56.61	4.85	12.60	H
	5626.77	-32.07	-13	-19.07	-58.10	-39.59	5.58	13.10	H
	7502	-50.26	-13	-37.26	-73.78	-55.00	6.56	11.30	H
	3751.18	-48.83	-13	-35.83	-69.22	-56.58	4.85	12.6	V
	5626.77	-40.03	-13	-27.03	-64.08	-47.55	5.58	13.1	V
	7502	-57.00	-13	-44.00	-80.54	-61.74	6.56	11.3	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	3746.68	-51.08	-13	-38.08	-70.69	-58.83	4.85	12.60	H
	5620.02	-31.27	-13	-18.27	-57.39	-38.79	5.58	13.10	H
	7493.36	-49.57	-13	-36.57	-73.09	-54.31	6.56	11.30	H
	-70.69	-47.53	-13	-34.53	-67.92	-55.28	4.85	12.6	V
	-57.39	-38.49	-13	-25.49	-63.2	-46.01	5.58	13.1	V
	-73.09	-56.15	-13	-43.15	-79.69	-60.89	6.56	11.3	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	3742.18	-49.92	-13	-36.92	-69.53	-57.67	4.85	12.60	H
	5613.27	-32.33	-13	-19.33	-58.33	-39.85	5.58	13.10	H
	7484.36	-49.32	-13	-36.32	-72.84	-54.06	6.56	11.30	H
	3742.18	-46.90	-13	-33.90	-67.29	-54.65	4.85	12.6	V
	5613.27	-38.51	-13	-25.51	-63.21	-46.03	5.58	13.1	V
	7484.36	-55.65	-13	-42.65	-79.19	-60.39	6.56	11.3	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	-47.01	-13	-34.01	-66.34	-55.24	4.37	12.60	H
	5195.61	-35.98	-13	-22.98	-60.89	-43.74	4.94	12.70	H
	6927.48	-41.39	-13	-28.39	-65.30	-46.77	6.32	11.70	H
	3463.74	-51.32	-13	-38.32	-67.4	-59.55	4.37	12.60	V
	5195.61	-38.05	-13	-25.05	-62.78	-45.81	4.94	12.70	V
	6927.48	-47.12	-13	-34.12	-71.03	-52.50	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	-47.46	-13	-34.46	-66.79	-55.69	4.37	12.60	H
	5193.72	-35.70	-13	-22.70	-60.68	-43.46	4.94	12.70	H
	6924.96	-41.76	-13	-28.76	-65.67	-47.14	6.32	11.70	H
	3462.48	-49.70	-13	-36.70	-65.78	-57.93	4.37	12.60	V
	5193.72	-41.17	-13	-28.17	-64.02	-48.93	4.94	12.70	V
	6924.96	-47.79	-13	-34.79	-71.7	-53.17	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	-47.30	-13	-34.30	-66.63	-55.53	4.37	12.60	H
	5191.02	-36.07	-13	-23.07	-60.95	-43.83	4.94	12.70	H
	6921.36	-42.44	-13	-29.44	-66.35	-47.82	6.32	11.70	H
	3460.68	-49.83	-13	-36.83	-65.91	-58.06	4.37	12.60	V
	5191.02	-43.12	-13	-30.12	-64.77	-50.88	4.94	12.70	V
	6921.36	-48.34	-13	-35.34	-72.25	-53.72	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	-46.73	-13	-33.73	-66.06	-54.96	4.37	12.60	H
	5184.27	-37.05	-13	-24.05	-61.60	-44.81	4.94	12.70	H
	6912.36	-41.77	-13	-28.77	-65.68	-47.15	6.32	11.70	H
	3456.18	-49.72	-13	-36.72	-65.8	-57.95	4.37	12.60	V
	5184.27	-47.58	-13	-34.58	-67.09	-55.34	4.94	12.70	V
	6912.36	-47.54	-13	-34.54	-71.45	-52.92	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	-48.37	-13	-35.37	-67.70	-56.60	4.37	12.60	H
	5177.52	-35.53	-13	-22.53	-60.55	-43.29	4.94	12.70	H
	6903.36	-41.74	-13	-28.74	-65.65	-47.12	6.32	11.70	H
	3451.68	-50.10	-13	-37.10	-66.18	-58.33	4.37	12.60	V
	5177.52	-45.56	-13	-32.56	-66.25	-53.32	4.94	12.70	V
	6903.36	-47.33	-13	-34.33	-71.24	-52.71	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	-48.33	-13	-35.33	-67.66	-56.56	4.37	12.60	H
	5170.77	-37.37	-13	-24.37	-61.79	-45.13	4.94	12.70	H
	6894.36	-65.92	-13	-52.92	-65.92	-71.30	6.32	11.70	H
	3447.18	-51.05	-13	-38.05	-67.13	-59.28	4.37	12.60	V
	5170.77	-47.66	-13	-34.66	-67.17	-55.42	4.94	12.70	V
	6894.36	-47.90	-13	-34.90	-71.81	-53.28	6.32	11.70	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	5065.68	-43.13	-25	-18.13	-66.46	-50.89	4.94	12.70	H
	7598.52	-28.05	-25	-3.05	-59.92	-33.19	6.56	11.70	H
	10131.36	-46.87	-25	-21.87	-76.10	-51.31	7.66	12.10	H
	5065.68	-48.58	-25	-23.58	-70.62	-56.34	4.94	12.70	V
	7598.52	-40.85	-25	-15.85	-69.79	-45.99	6.56	11.70	V
	10131.36	-51.07	-25	-26.07	-78.13	-55.51	7.66	12.10	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	5061.18	-44.10	-25	-19.10	-67.43	-51.86	4.94	12.70	H
	7591.77	-30.12	-25	-5.12	-60.85	-35.26	6.56	11.70	H
	10122.36	-47.49	-25	-22.49	-76.72	-51.93	7.66	12.10	H
	5061.18	-48.75	-25	-23.75	-70.79	-56.51	4.94	12.70	V
	7591.77	-41.64	-25	-16.64	-70.58	-46.78	6.56	11.70	V
	10122.36	-52.08	-25	-27.08	-79.14	-56.52	7.66	12.10	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	5056.68	-44.70	-25	-19.70	-68.03	-52.46	4.94	12.70	H
	7585.02	-30.78	-25	-5.78	-61.70	-35.92	6.56	11.70	H
	10113.36	-53.73	-25	-28.73	-82.96	-58.17	7.66	12.10	H
	5056.68	-49.69	-25	-24.69	-71.73	-57.45	4.94	12.70	V
	7585.02	-41.82	-25	-16.82	-70.76	-46.96	6.56	11.70	V
	10113.36	-55.76	-25	-30.76	-82.82	-60.20	7.66	12.10	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	5052.18	-44.09	-25	-19.09	-67.42	-51.85	4.94	12.70	H
	7578.27	-30.35	-25	-5.35	-61.14	-35.49	6.56	11.70	H
	10104.36	-48.03	-25	-23.03	-77.26	-52.47	7.66	12.10	H
	5052.18	-49.86	-25	-24.86	-71.9	-57.62	4.94	12.70	V
	7578.27	-42.27	-25	-17.27	-71.21	-47.41	6.56	11.70	V
	10104.36	-51.95	-25	-26.95	-79.01	-56.39	7.66	12.10	V

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