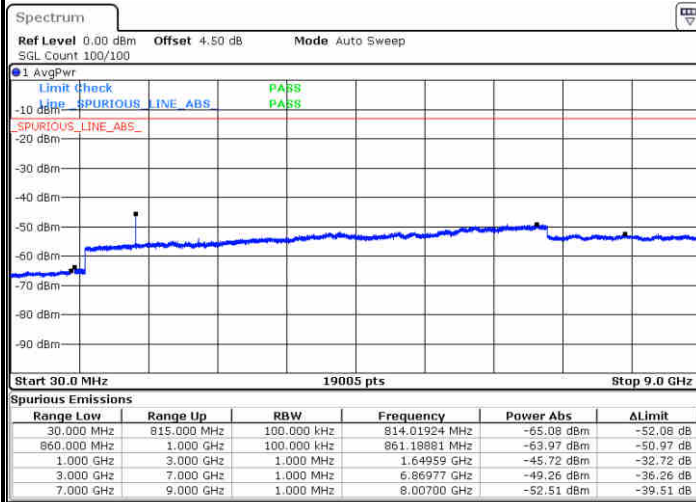




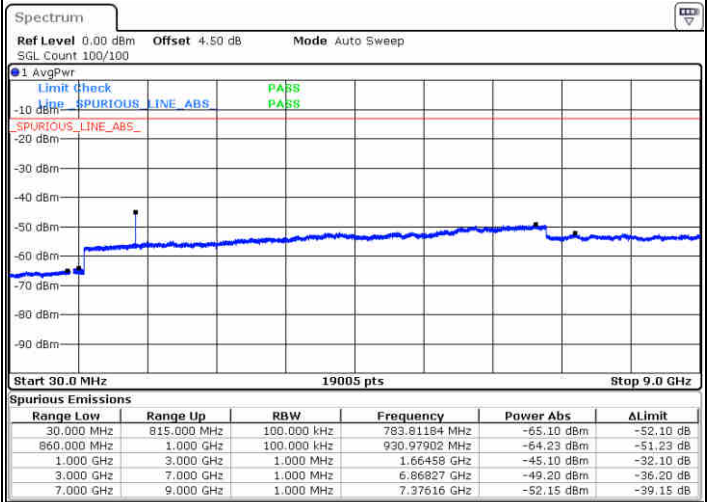
LTE Band 5 / 10MHz

Lowest Channel / 64QAM



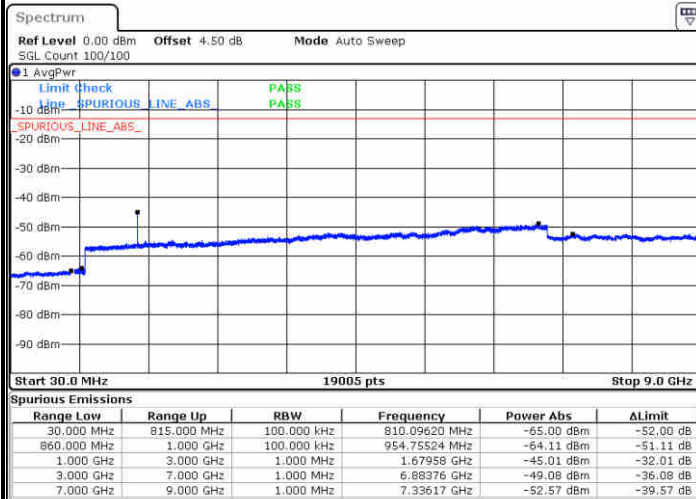
Date: 24 APR 2019 01:16:19

Middle Channel / 64QAM



Date: 24 APR 2019 01:17:14

Highest Channel / 64QAM

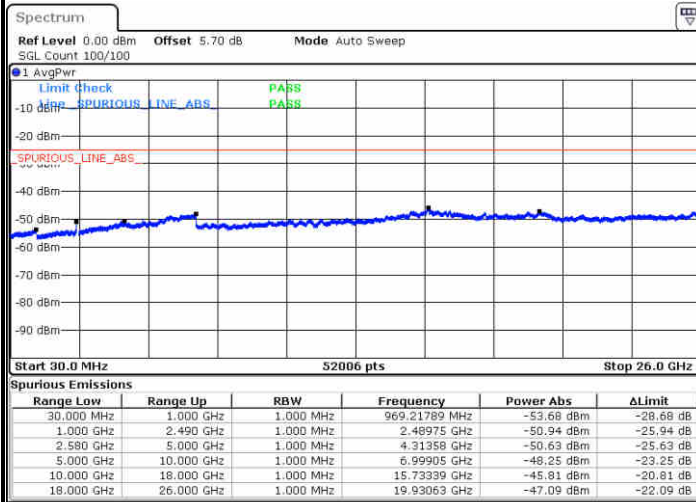


Date: 24 APR 2019 01:22:03



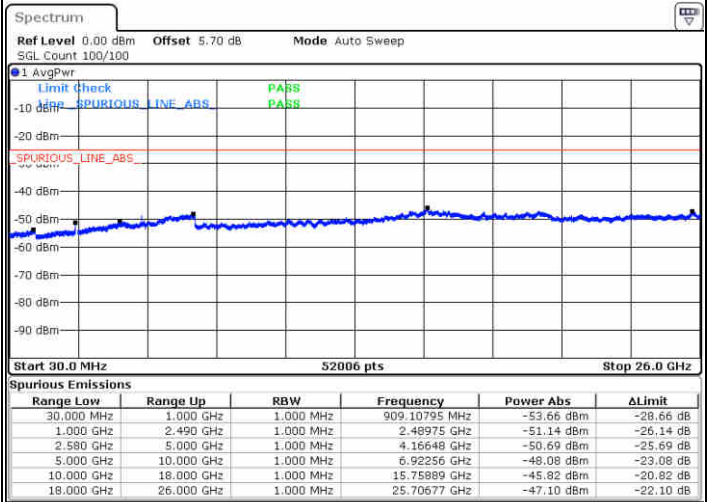
LTE Band 7 / 5MHz

Lowest Channel / QPSK



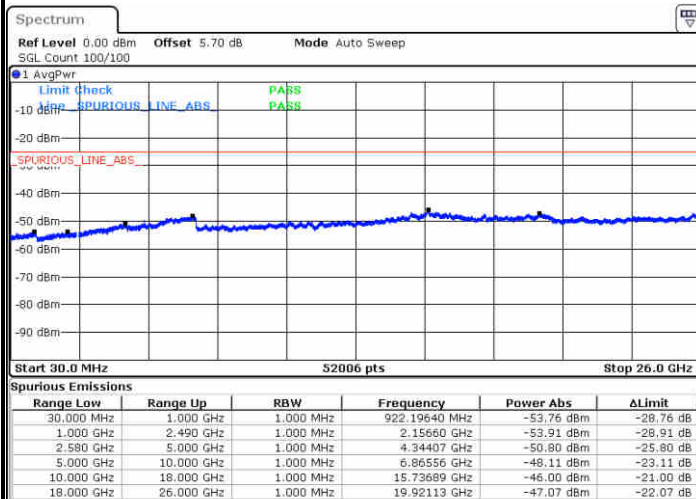
Date: 22 APR 2019 23:07:51

Lowest Channel / 16QAM



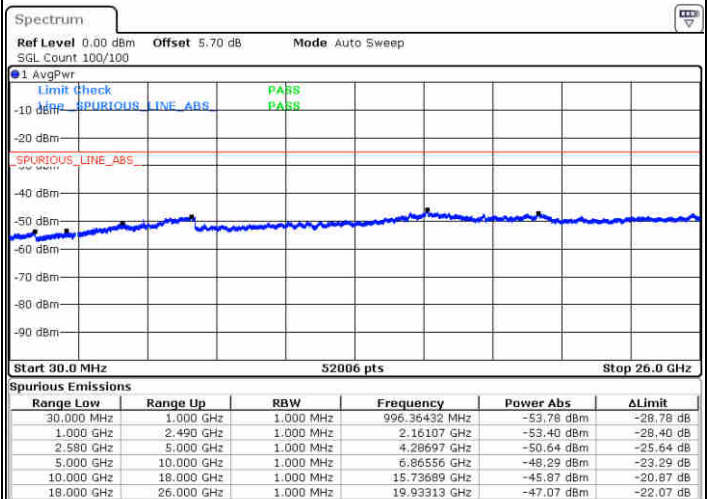
Date: 22 APR 2019 23:10:16

Middle Channel / QPSK



Date: 22 APR 2019 23:19:21

Middle Channel / 16QAM

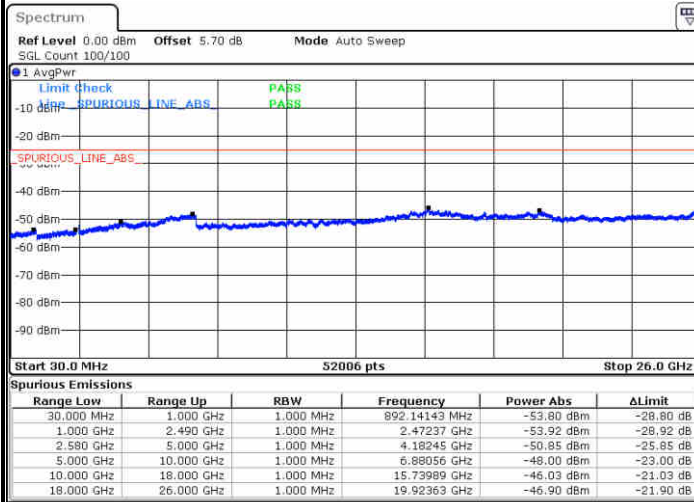


Date: 22 APR 2019 23:18:00



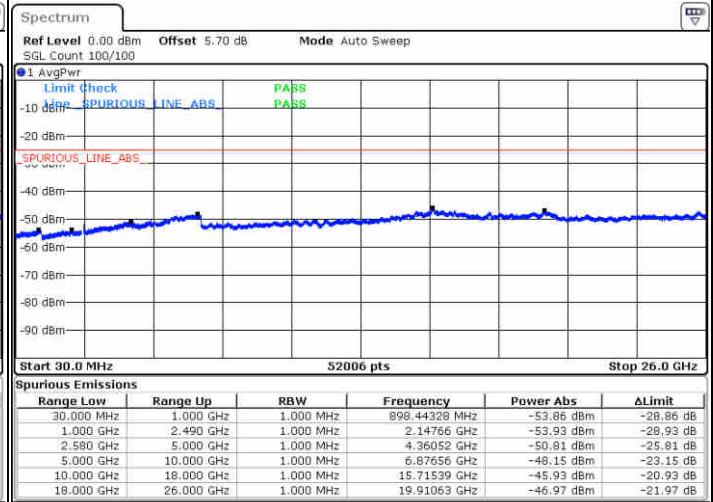
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 22 APR 2019 23:20:38

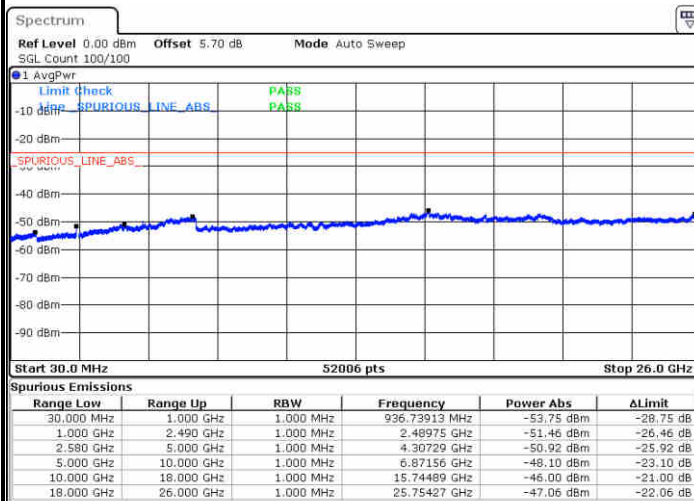
Highest Channel / 16QAM



Date: 22 APR 2019 23:21:53

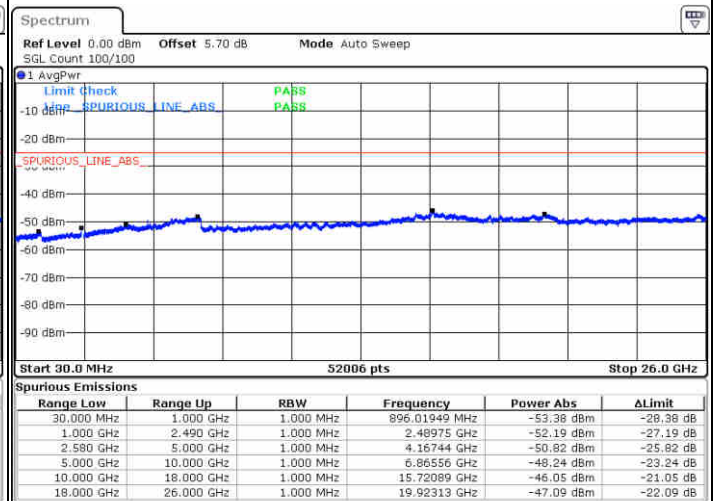
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 22 APR 2019 23:28:24

Lowest Channel / 16QAM

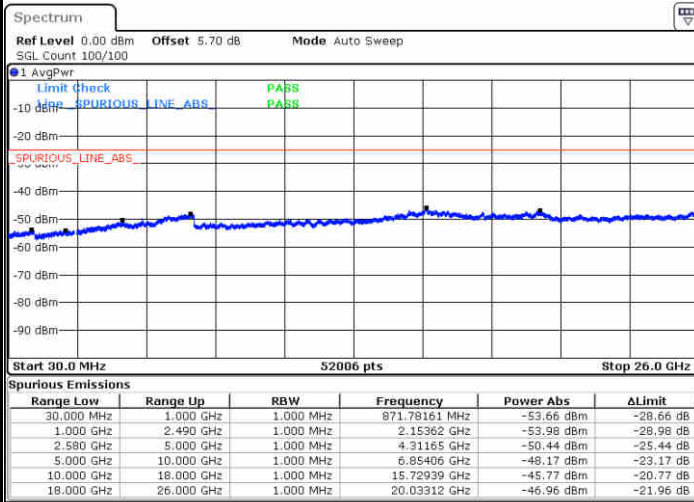


Date: 22 APR 2019 23:27:11



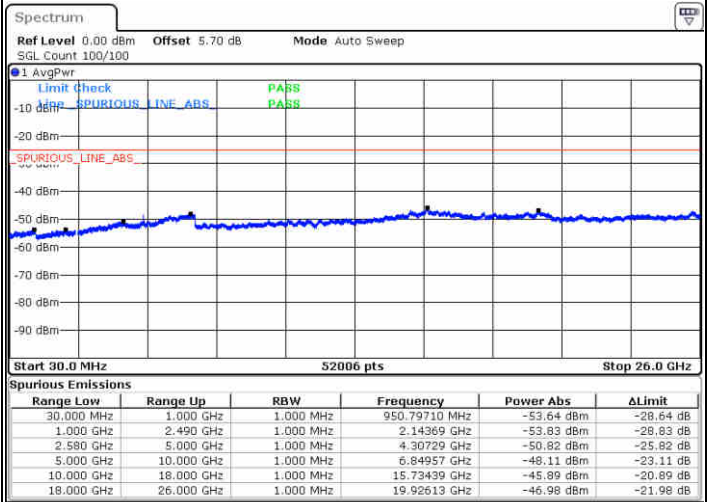
LTE Band 7 / 10MHz

Middle Channel / QPSK



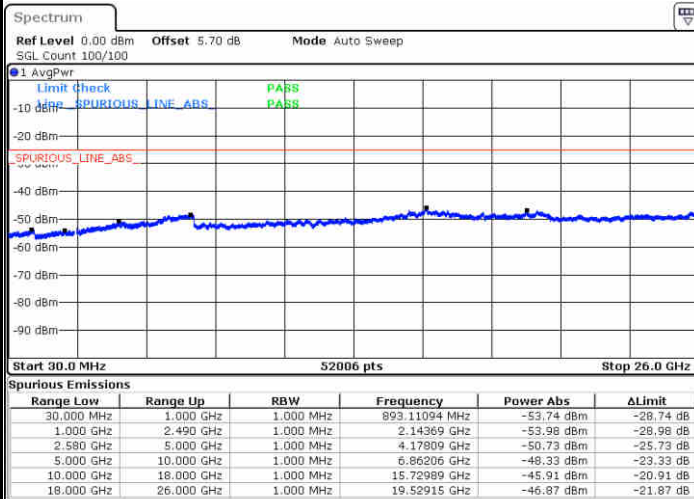
Date: 22 APR 2019 23:31:12

Middle Channel / 16QAM



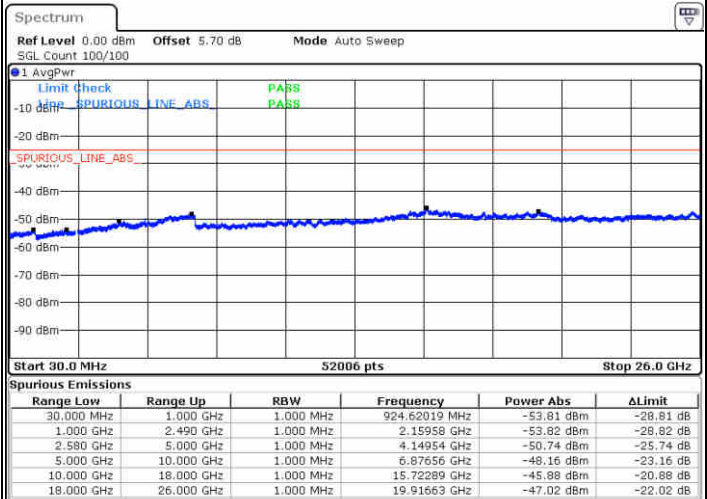
Date: 22 APR 2019 23:42:10

Highest Channel / QPSK



Date: 22 APR 2019 23:48:47

Highest Channel / 16QAM

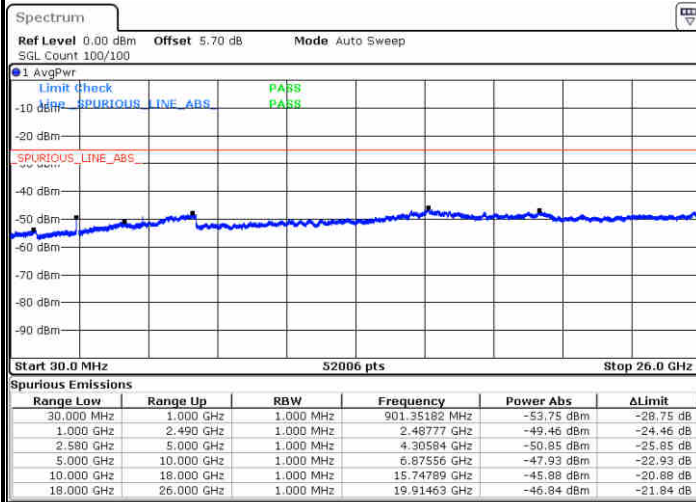


Date: 22 APR 2019 23:46:34



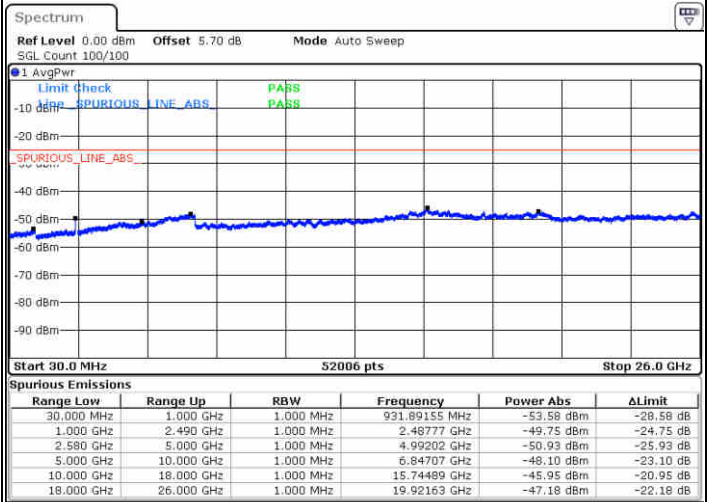
LTE Band 7 / 15MHz

Lowest Channel / QPSK



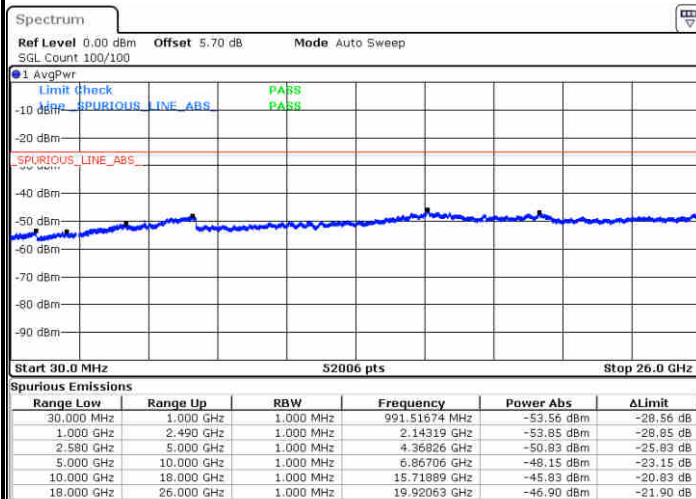
Date: 22 APR 2019 23:50:26

Lowest Channel / 16QAM



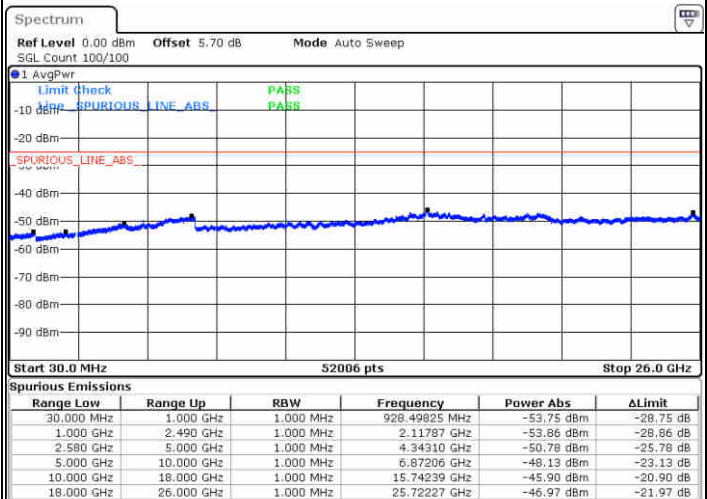
Date: 22 APR 2019 23:51:52

Middle Channel / QPSK



Date: 22 APR 2019 23:55:45

Middle Channel / 16QAM

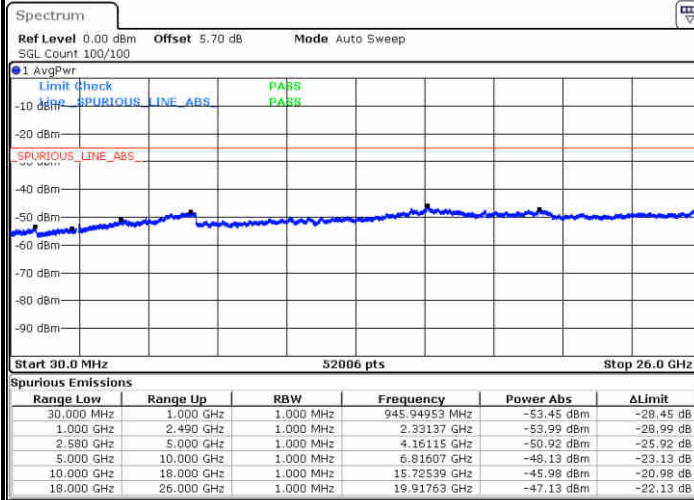


Date: 22 APR 2019 23:57:04



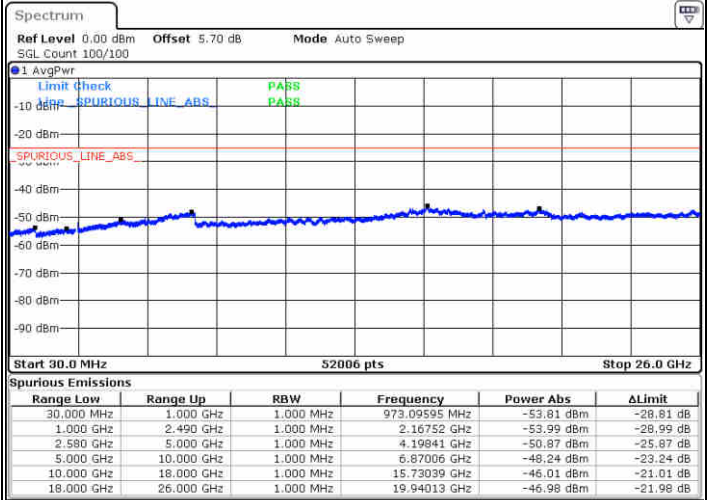
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 23 APR 2019 00:00:41

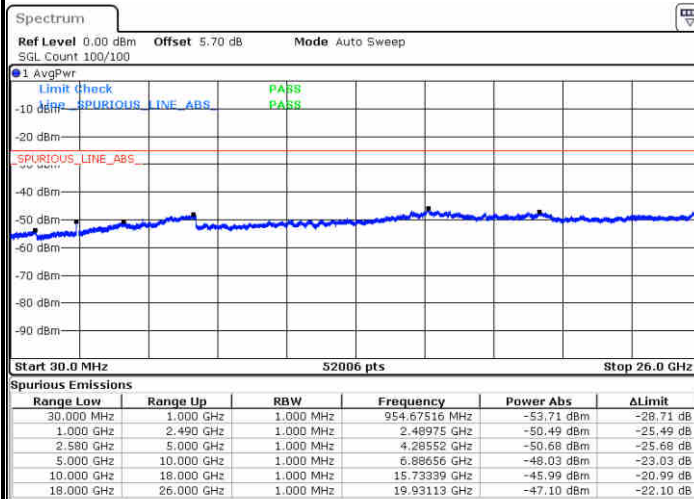
Highest Channel / 16QAM



Date: 23 APR 2019 00:01:57

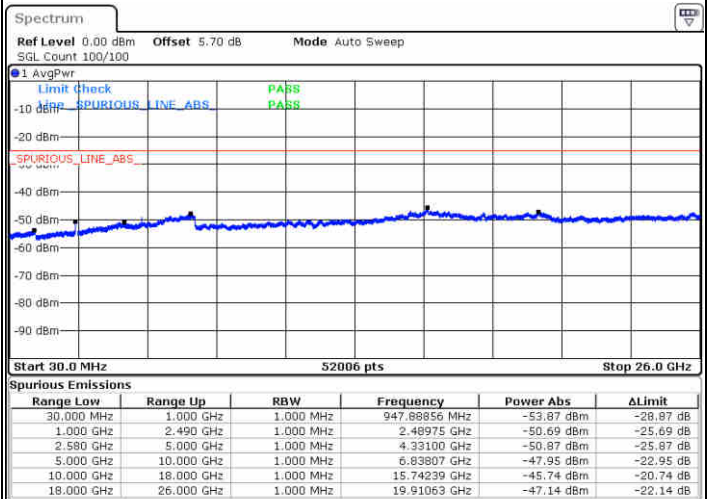
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 23 APR 2019 00:04:41

Lowest Channel / 16QAM

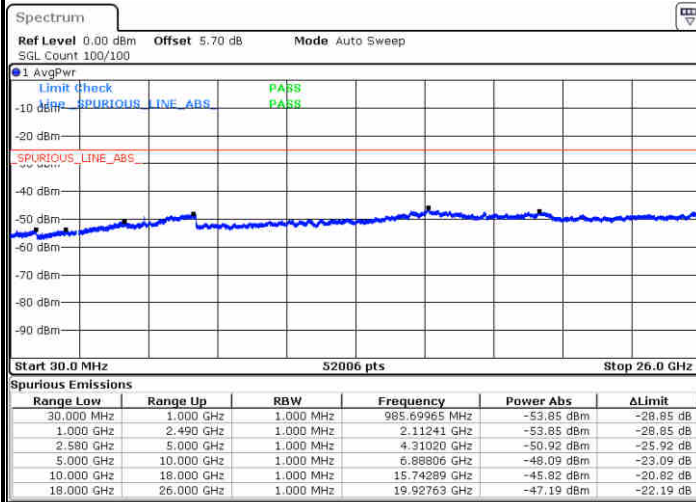


Date: 23 APR 2019 00:06:03



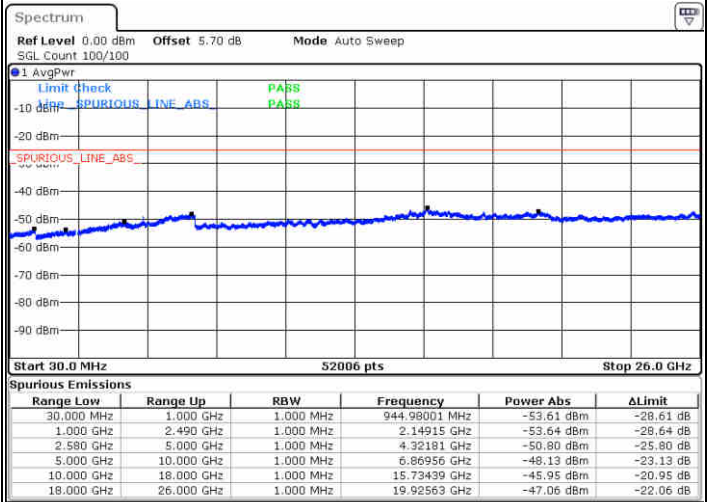
LTE Band 7 / 20MHz

Middle Channel / QPSK



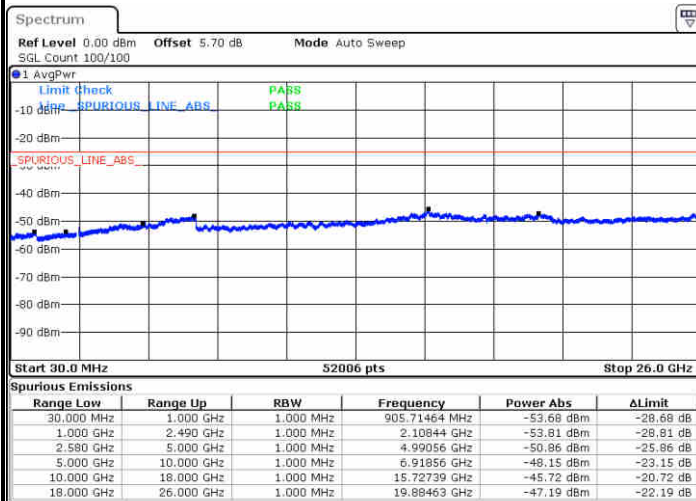
Date: 23 APR 2019 00:08:45

Middle Channel / 16QAM



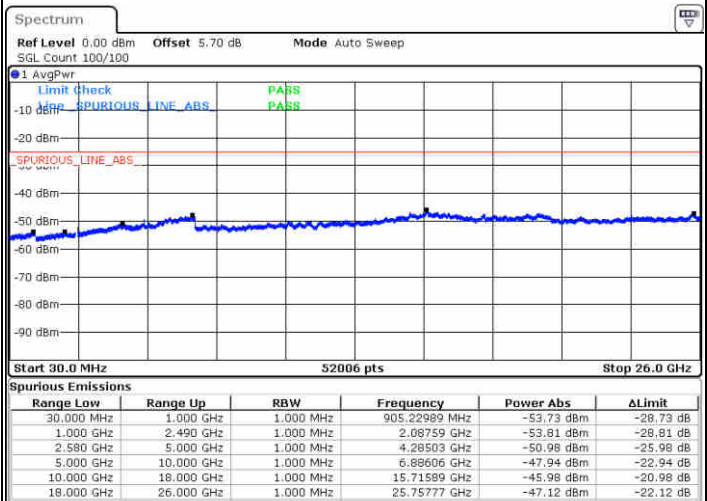
Date: 23 APR 2019 00:09:59

Highest Channel / QPSK



Date: 23 APR 2019 00:12:28

Highest Channel / 16QAM

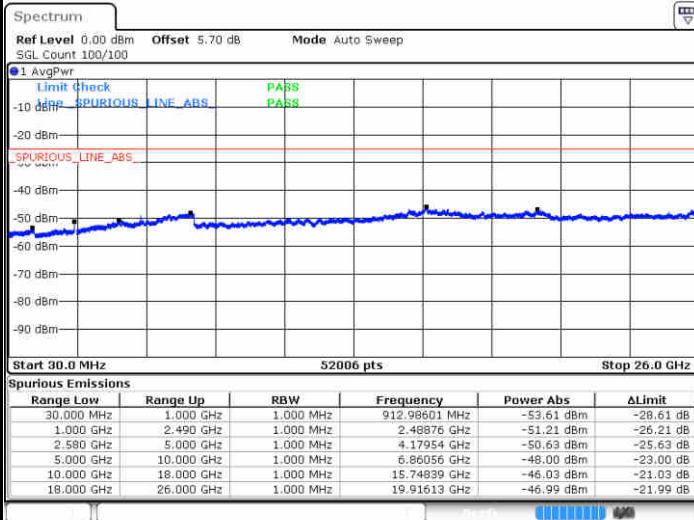


Date: 23 APR 2019 00:13:41



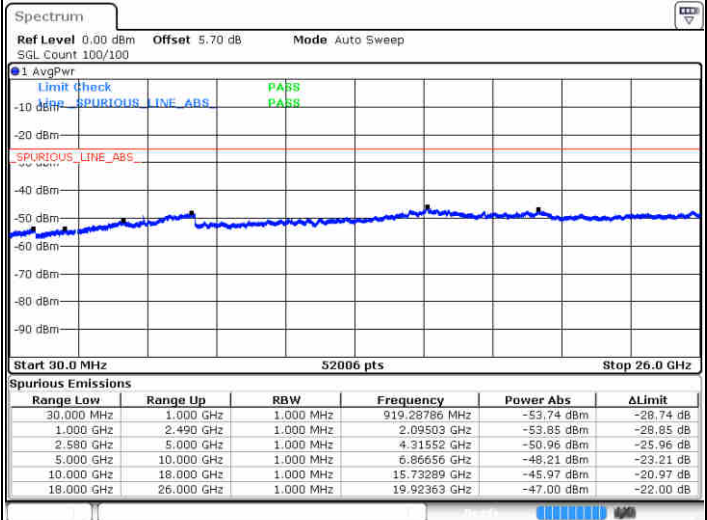
LTE Band 7 / 5MHz

Lowest Channel / 64QAM



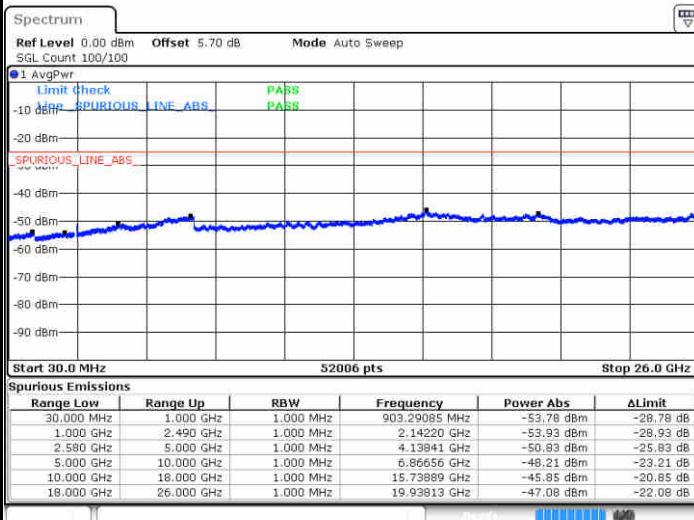
Date: 22 APR 2019 23:14:58

Middle Channel / 64QAM



Date: 22 APR 2019 23:16:39

Highest Channel / 64QAM

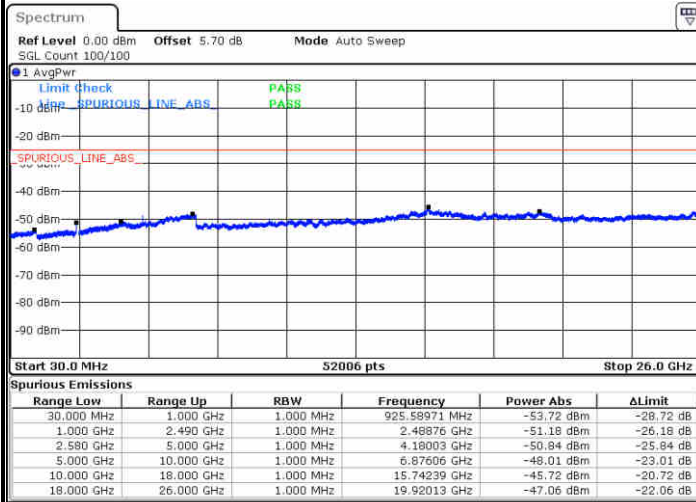


Date: 22 APR 2019 23:23:08



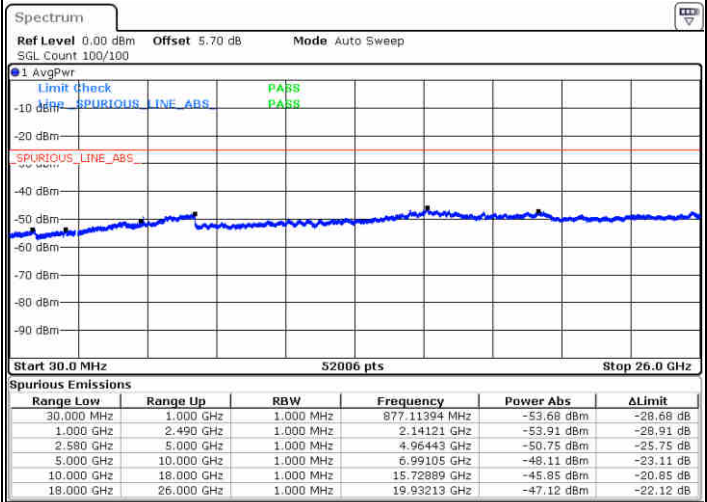
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



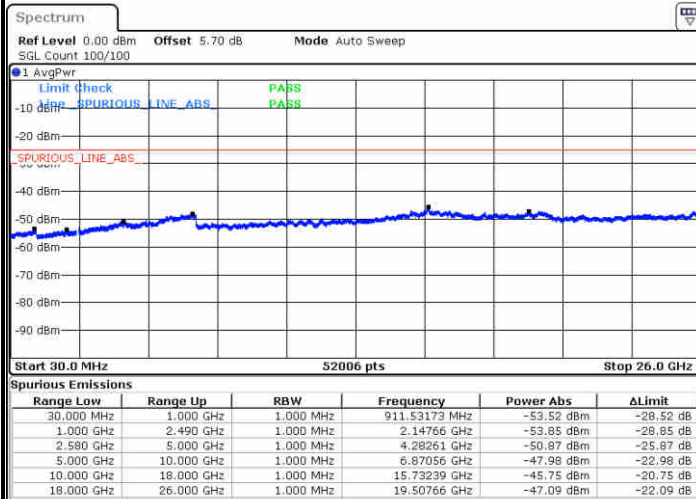
Date: 22 APR 2019 23:25:18

Middle Channel / 64QAM



Date: 22 APR 2019 23:43:37

Highest Channel / 64QAM

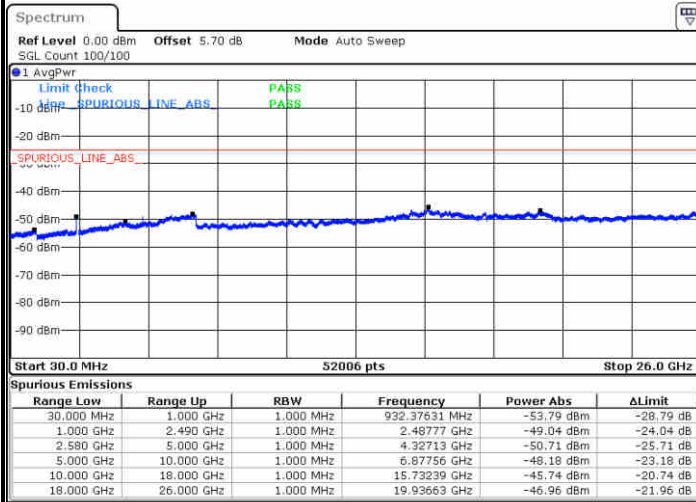


Date: 22 APR 2019 23:45:15



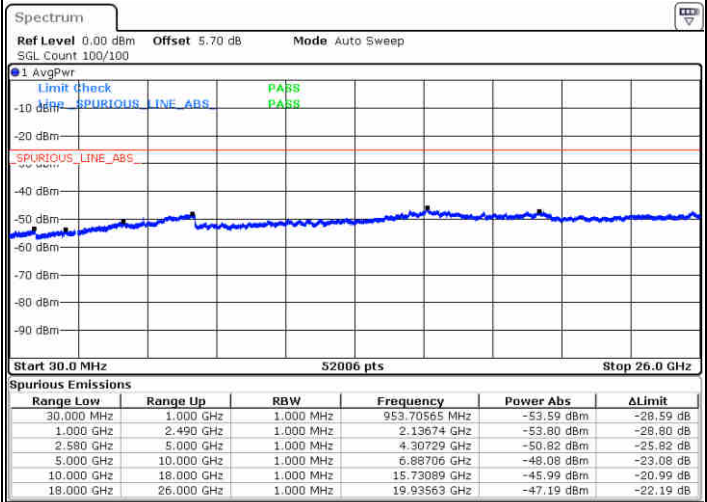
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



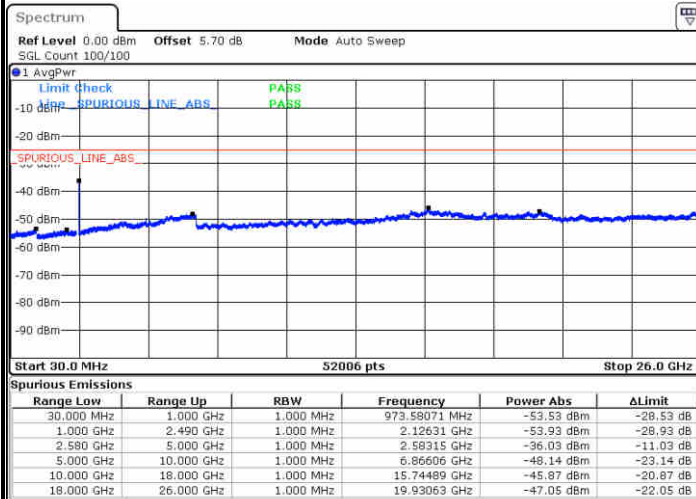
Date: 22 APR 2019 23:53:47

Middle Channel / 64QAM



Date: 22 APR 2019 23:58:53

Highest Channel / 64QAM

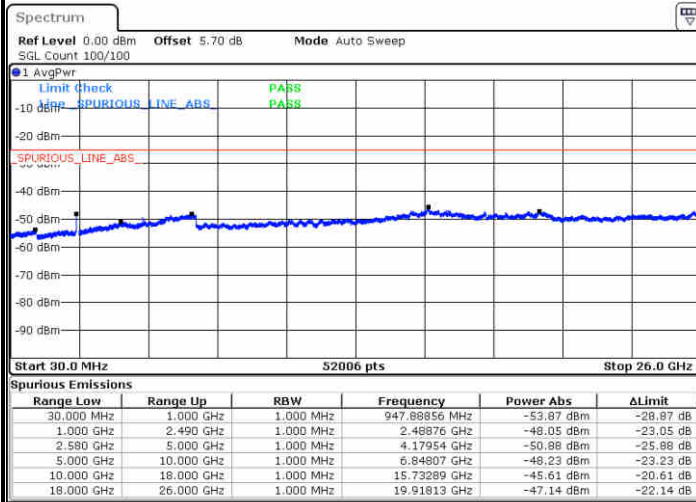


Date: 23 APR 2019 00:03:19



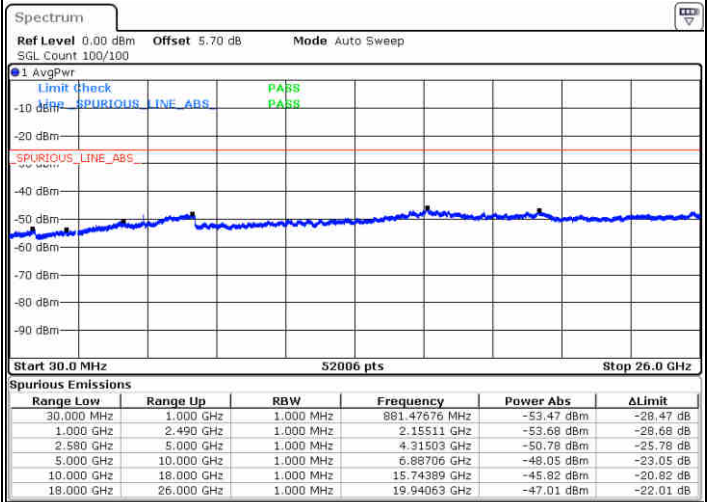
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



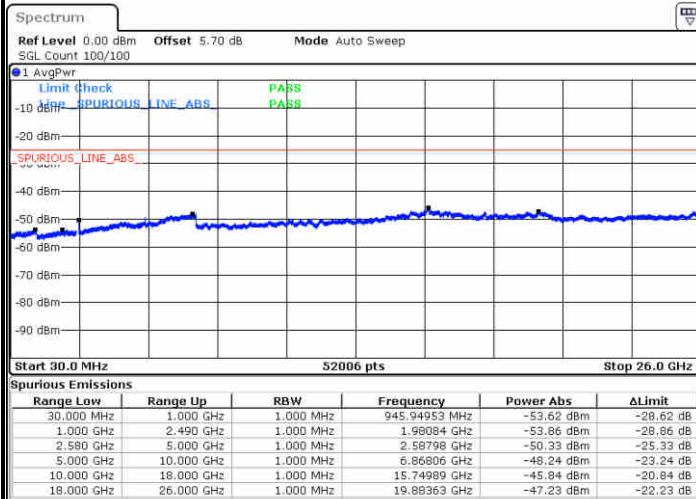
Date: 23 APR 2019 00:07:26

Middle Channel / 64QAM



Date: 23 APR 2019 00:11:13

Highest Channel / 64QAM

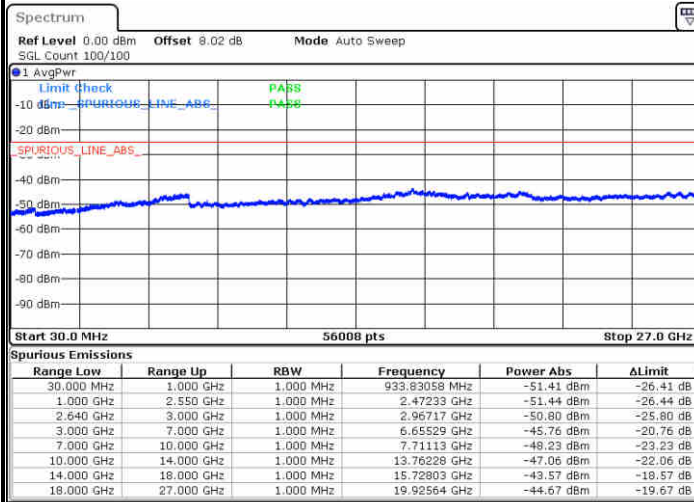


Date: 23 APR 2019 00:15:05



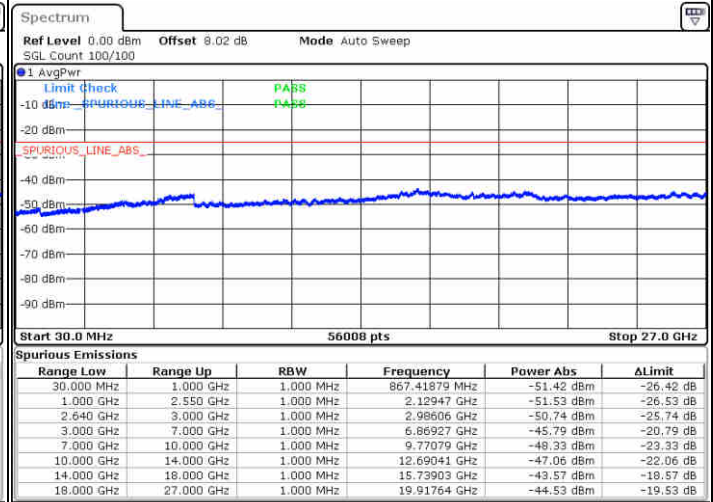
LTE Band 38 / 5MHz

Lowest Channel / QPSK



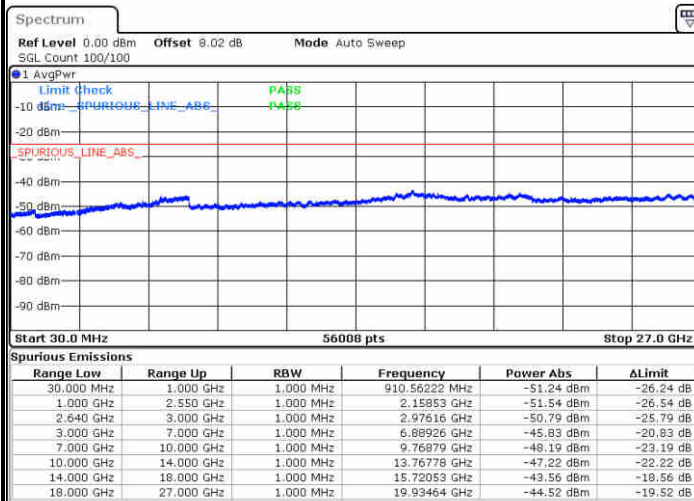
Date: 26 APR 2019 19:48:26

Lowest Channel / 16QAM



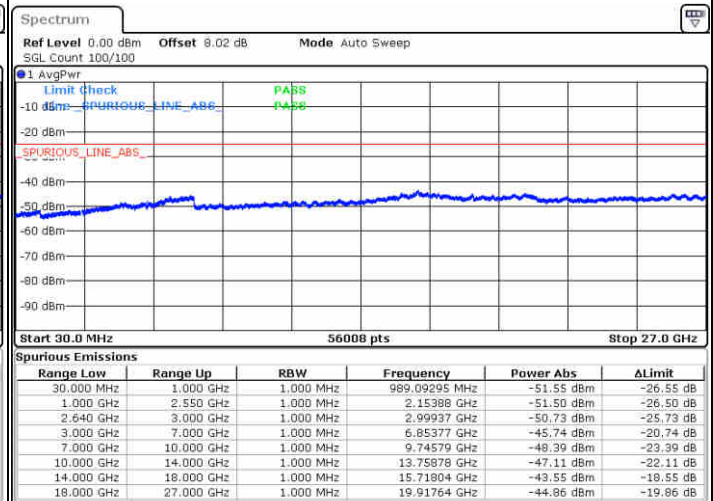
Date: 26 APR 2019 19:49:19

Middle Channel / QPSK



Date: 26 APR 2019 19:51:11

Middle Channel / 16QAM

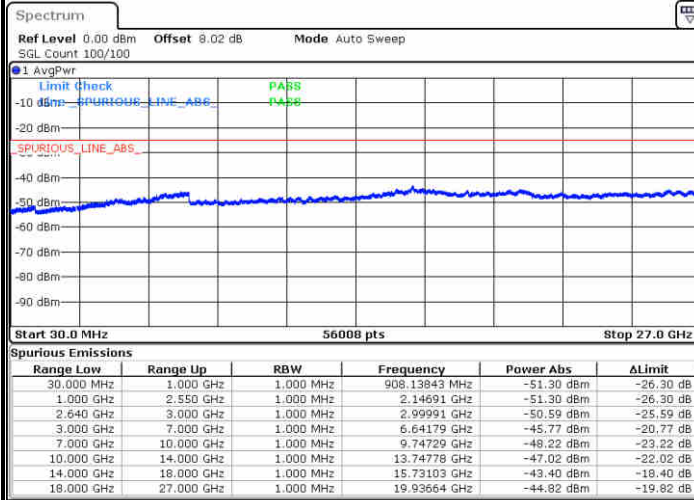


Date: 26 APR 2019 19:52:03



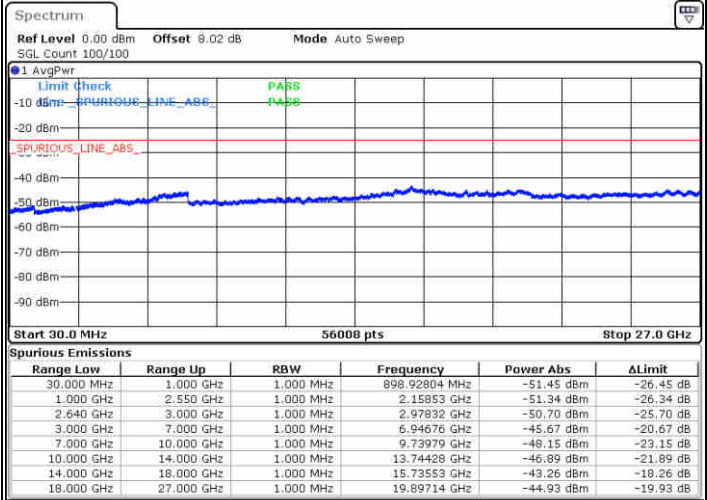
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 26 APR 2019 19:53:47

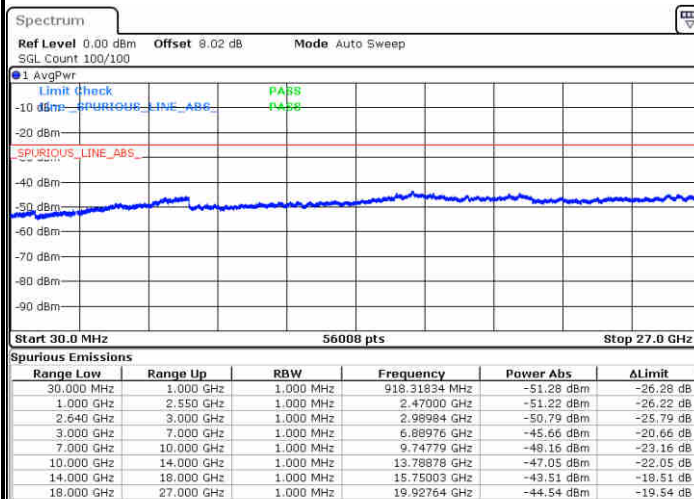
Highest Channel / 16QAM



Date: 26 APR 2019 19:54:36

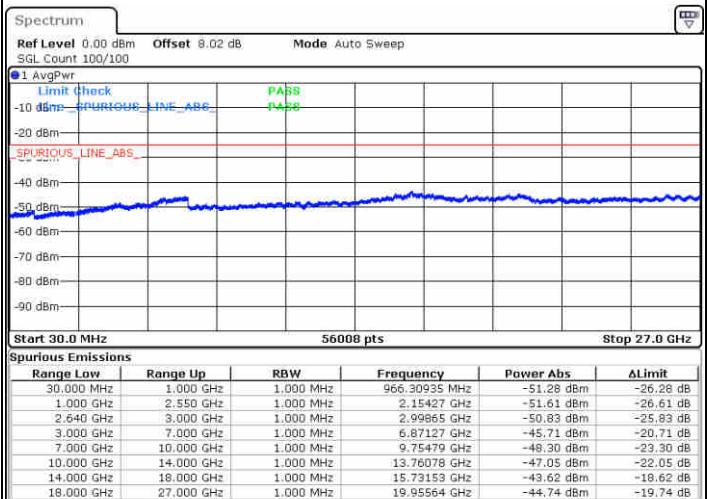
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 26 APR 2019 19:40:28

Lowest Channel / 16QAM

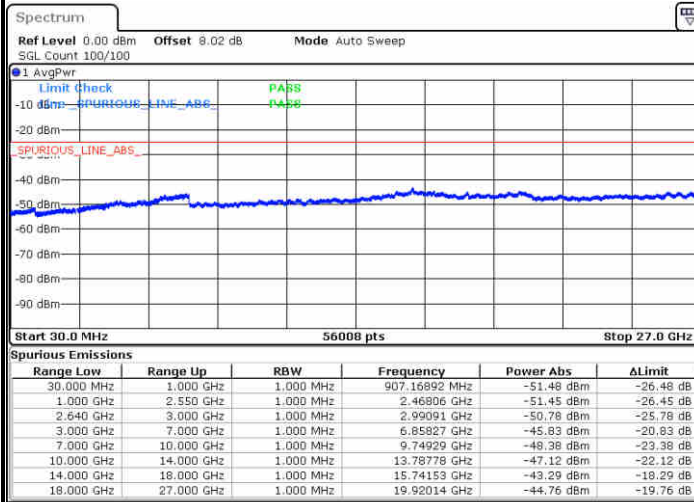


Date: 26 APR 2019 19:41:21



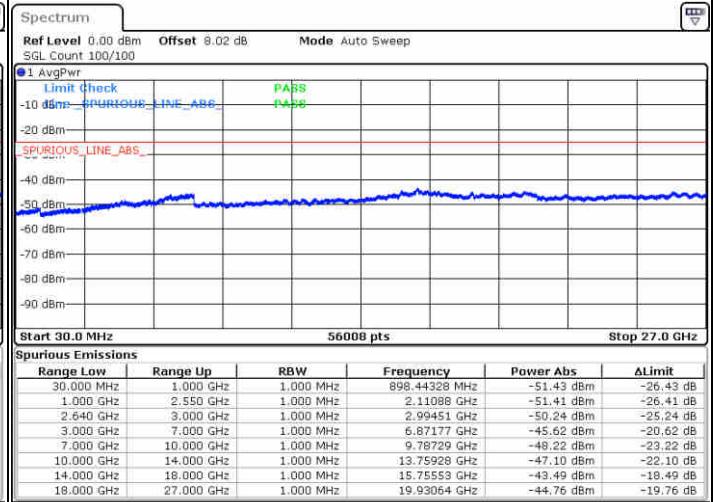
LTE Band 38 / 10MHz

Middle Channel / QPSK



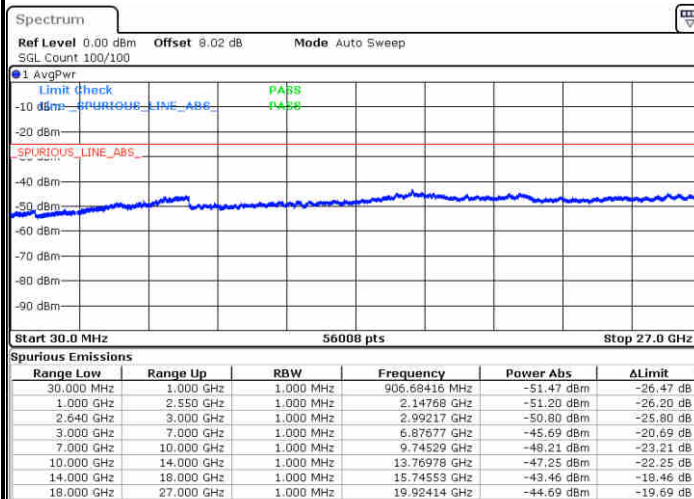
Date: 26 APR 2019 19:43:05

Middle Channel / 16QAM



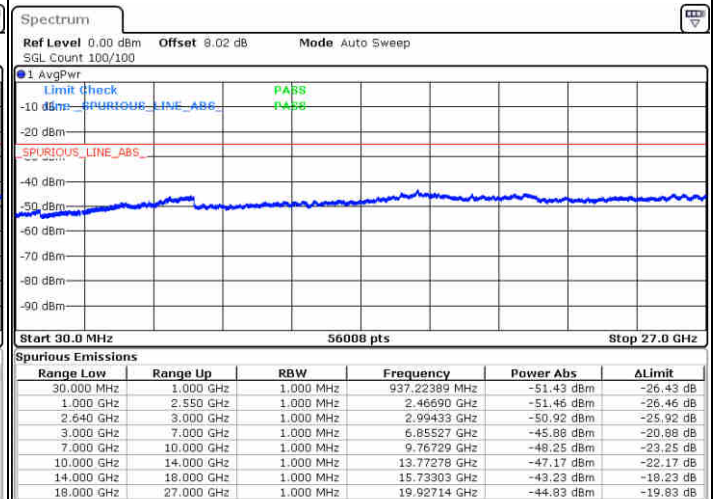
Date: 26 APR 2019 19:44:11

Highest Channel / QPSK



Date: 26 APR 2019 19:45:56

Highest Channel / 16QAM

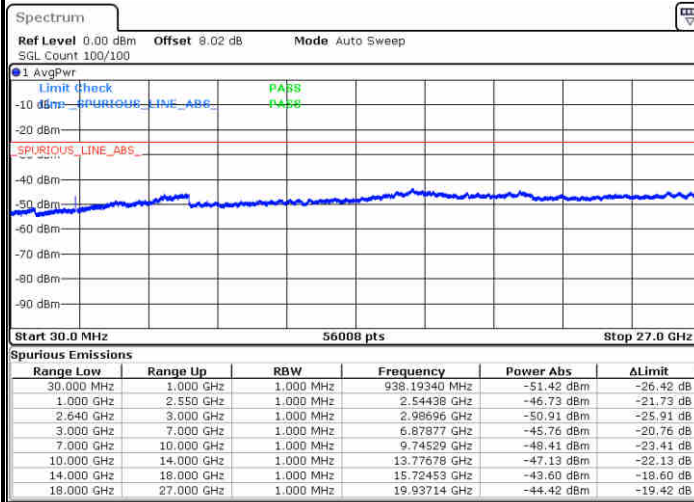


Date: 26 APR 2019 19:46:46



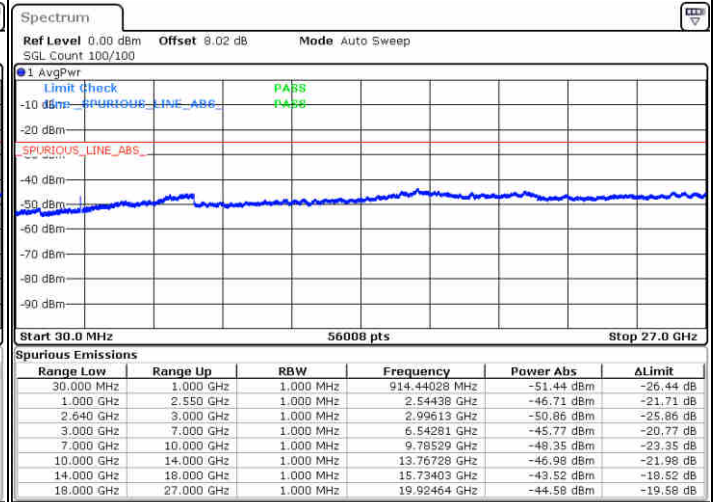
LTE Band 38 / 15MHz

Lowest Channel / QPSK



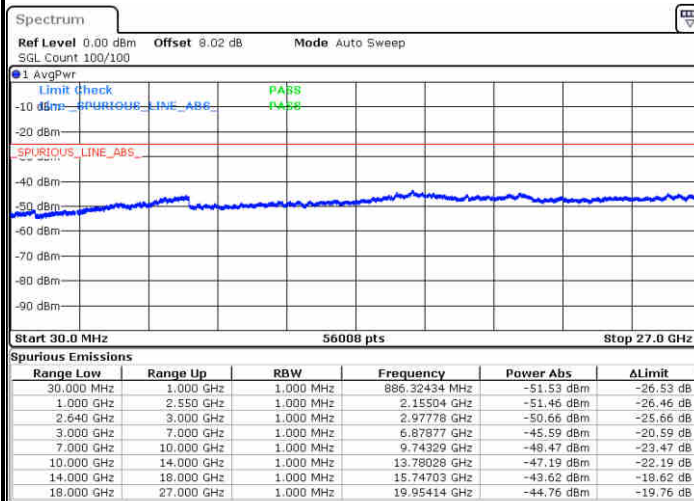
Date: 26 APR 2019 19:32:54

Lowest Channel / 16QAM



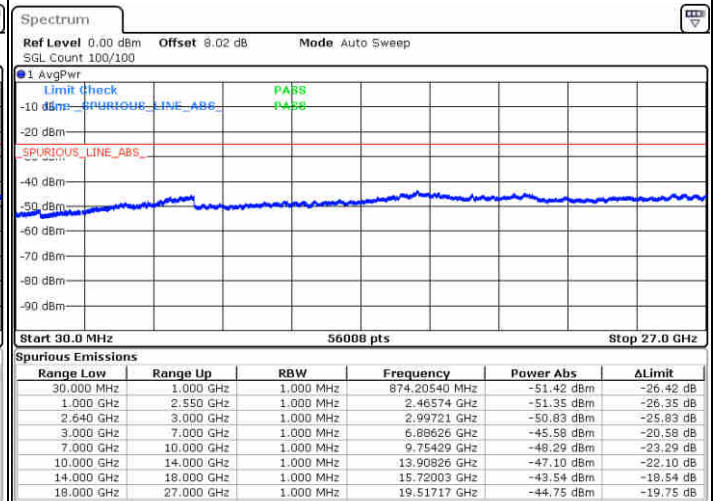
Date: 26 APR 2019 19:33:42

Middle Channel / QPSK



Date: 26 APR 2019 19:35:19

Middle Channel / 16QAM

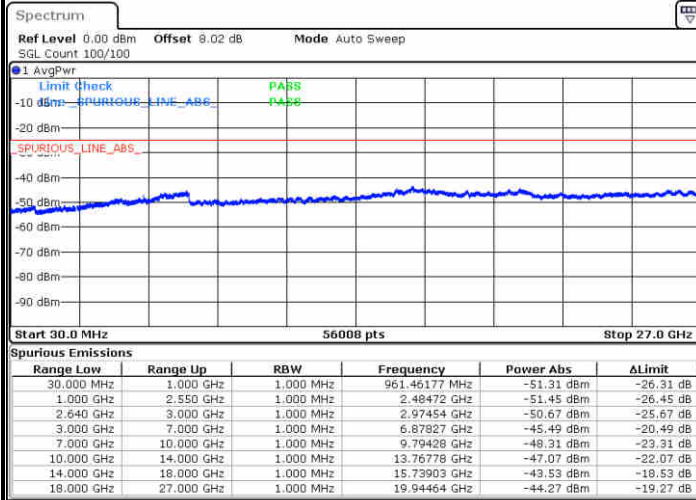


Date: 26 APR 2019 19:36:10



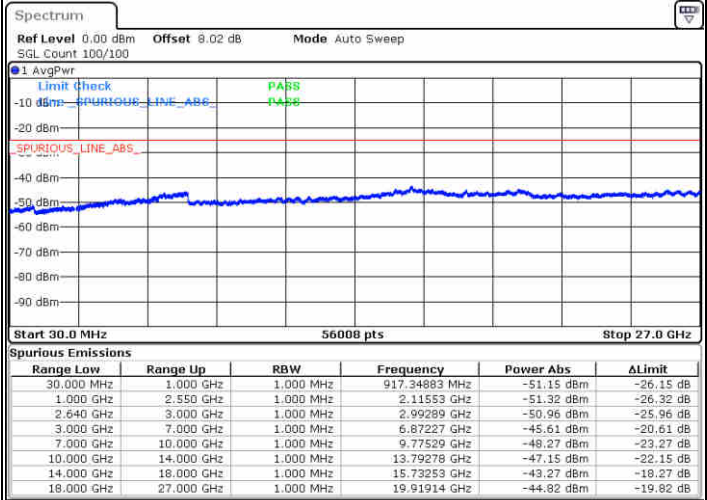
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 26 APR 2019 19:37:55

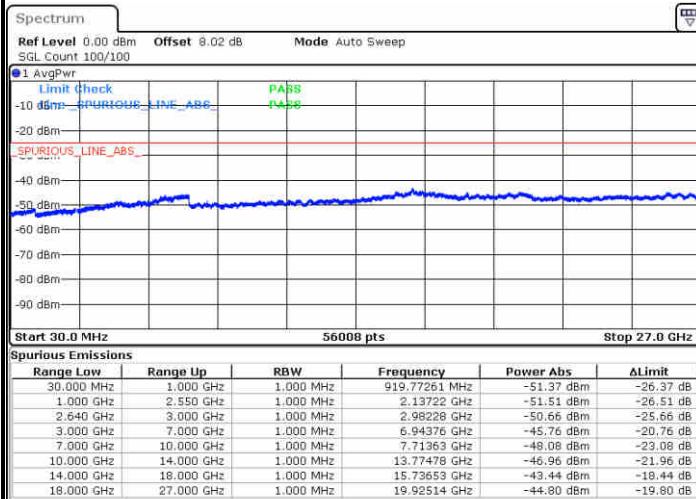
Highest Channel / 16QAM



Date: 26 APR 2019 19:38:43

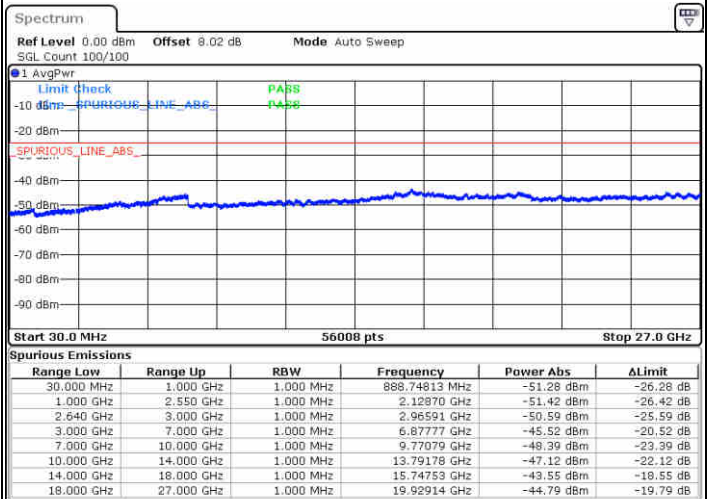
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 26 APR 2019 19:24:35

Lowest Channel / 16QAM

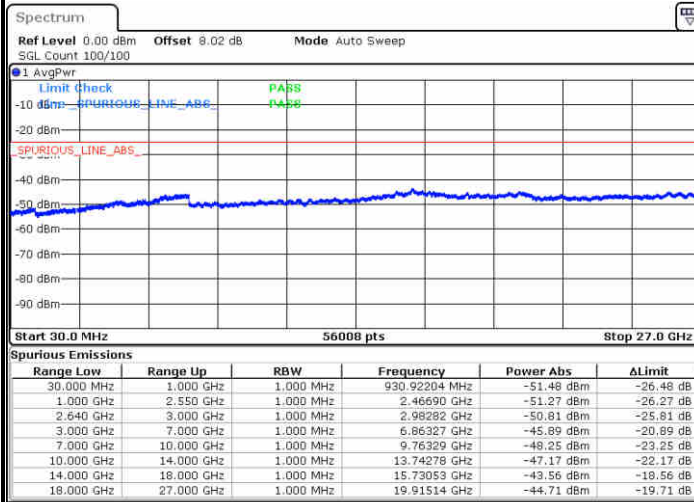


Date: 26 APR 2019 19:25:24



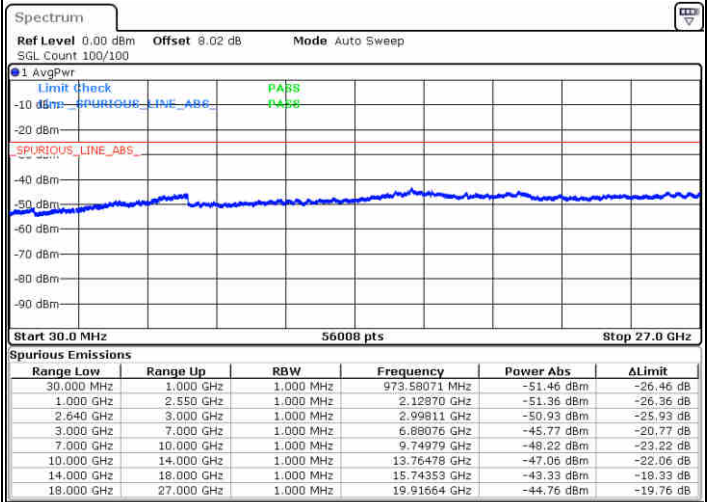
LTE Band 38 / 20MHz

Middle Channel / QPSK



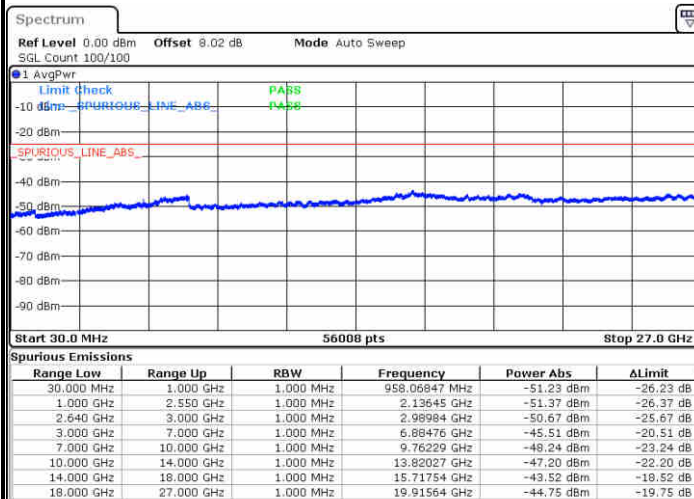
Date: 26 APR 2019 19:27:33

Middle Channel / 16QAM



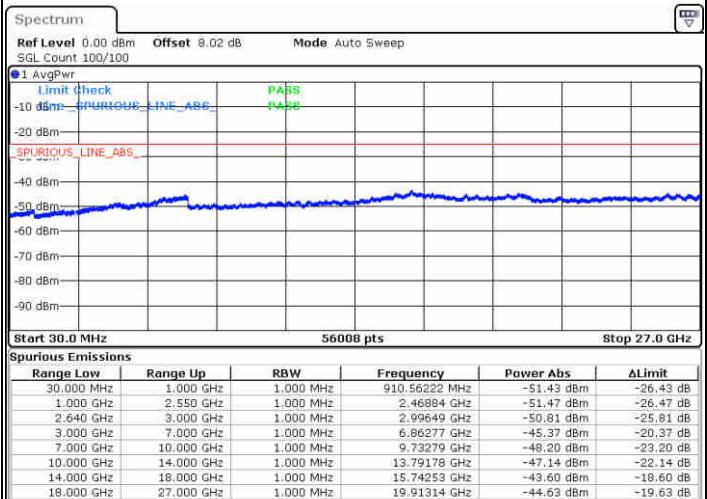
Date: 26 APR 2019 19:28:29

Highest Channel / QPSK



Date: 26 APR 2019 19:30:13

Highest Channel / 16QAM

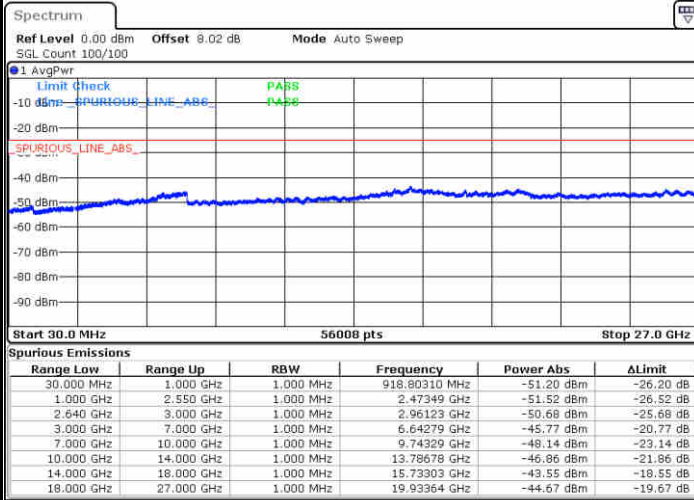


Date: 26 APR 2019 19:31:03



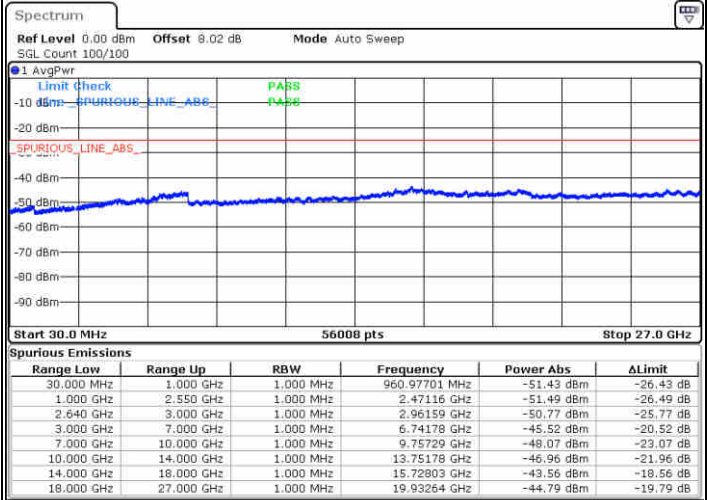
LTE Band 38 / 5MHz

Lowest Channel / 64QAM



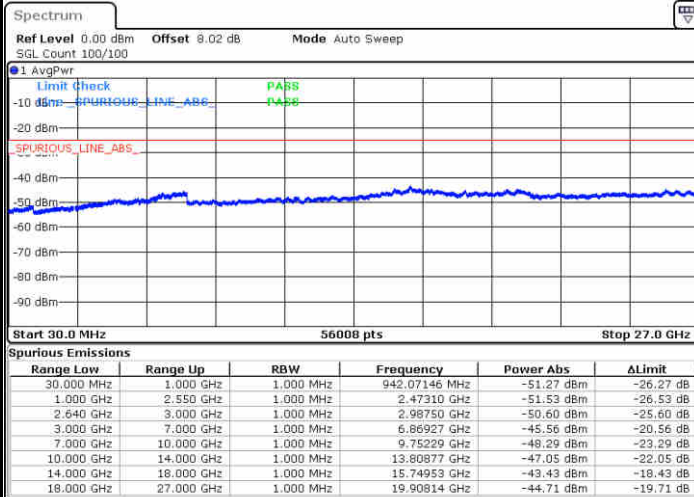
Date: 26 APR 2019 19:50:14

Middle Channel / 64QAM



Date: 26 APR 2019 19:52:54

Highest Channel / 64QAM

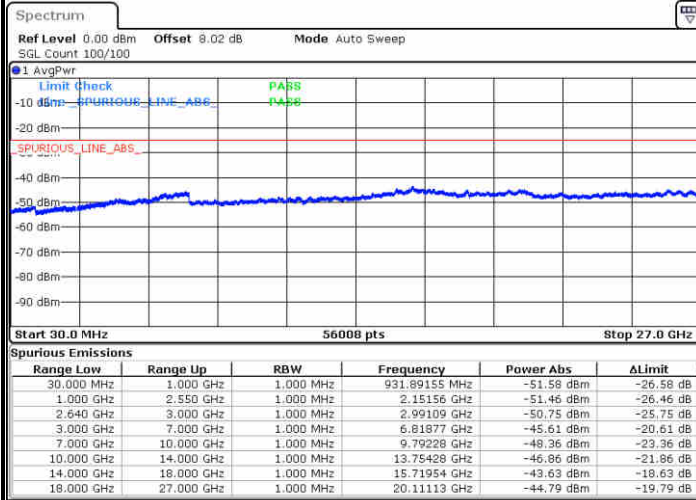


Date: 26 APR 2019 19:55:27



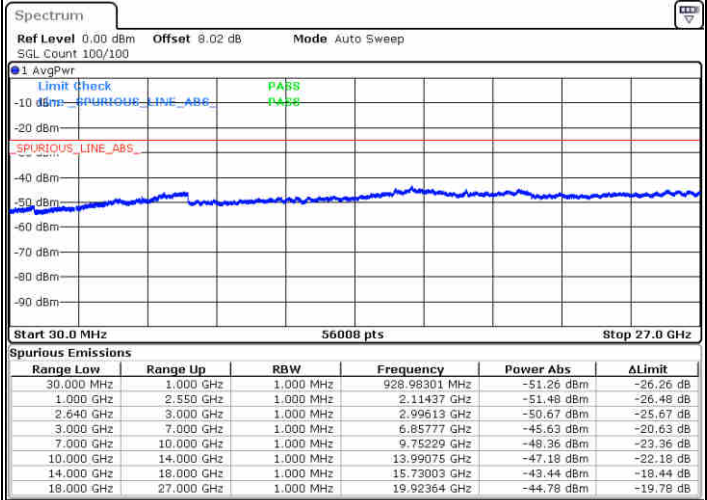
LTE Band 38 / 10MHz

Lowest Channel / 64QAM



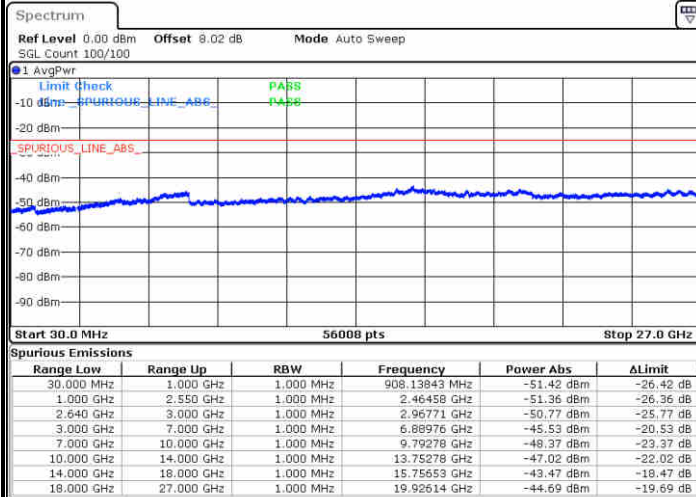
Date: 26 APR 2019 19:42:12

Middle Channel / 64QAM



Date: 26 APR 2019 19:45:03

Highest Channel / 64QAM

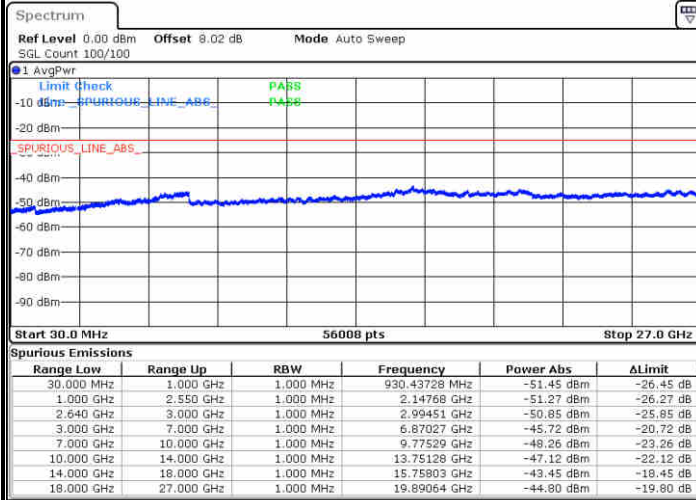


Date: 26 APR 2019 19:47:34



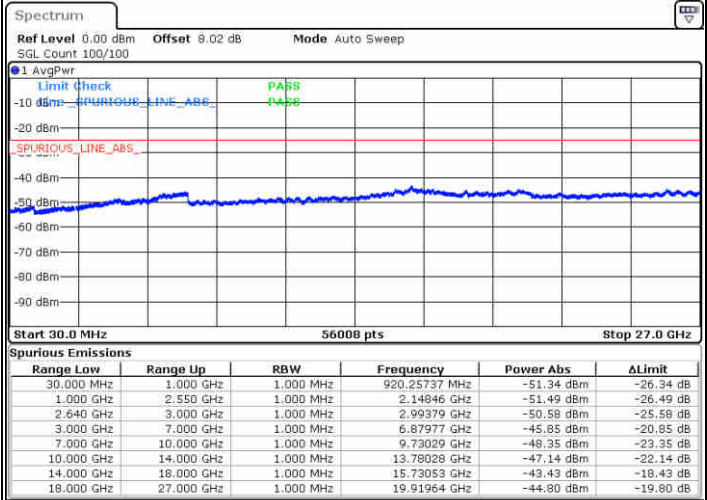
LTE Band 38 / 15MHz

Lowest Channel / 64QAM



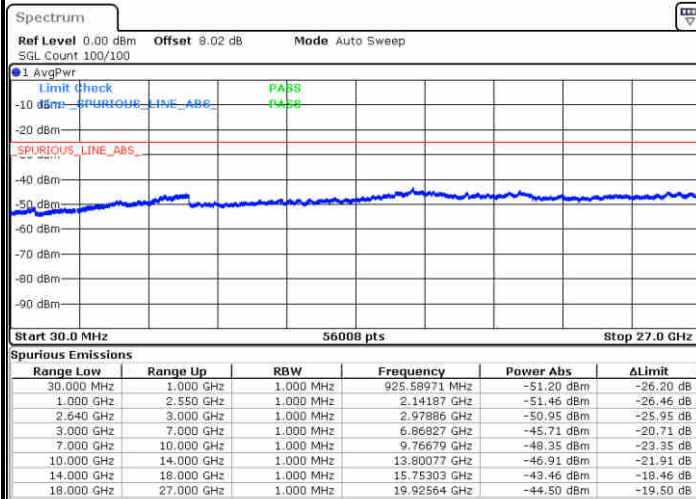
Date: 26 APR 2019 19:34:29

Middle Channel / 64QAM



Date: 26 APR 2019 19:37:02

Highest Channel / 64QAM

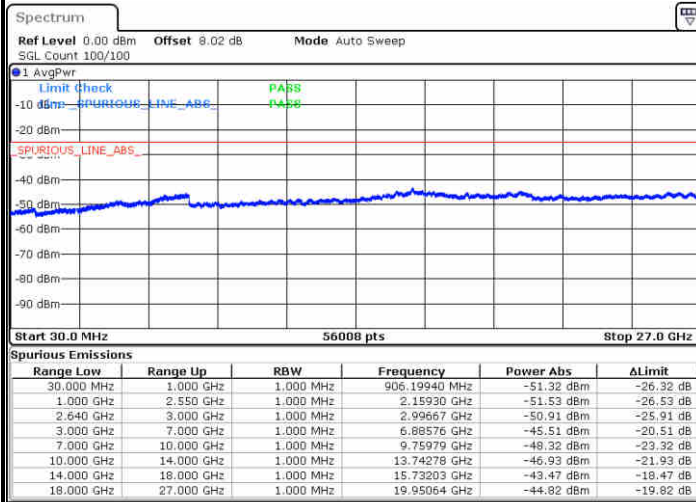


Date: 26 APR 2019 19:39:34



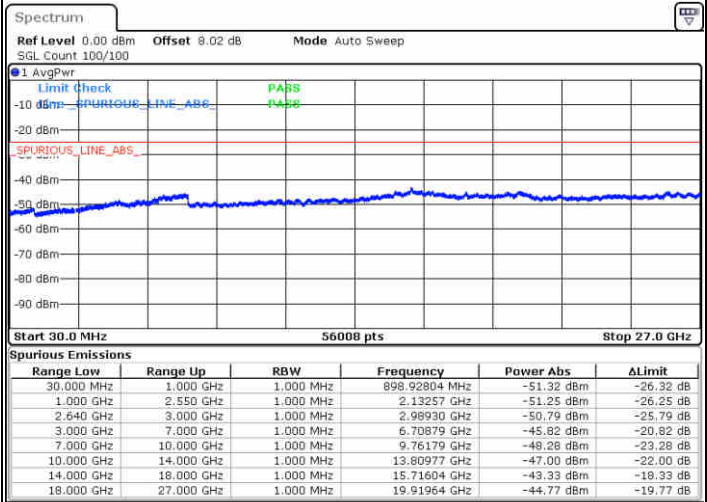
LTE Band 38 / 20MHz

Lowest Channel / 64QAM



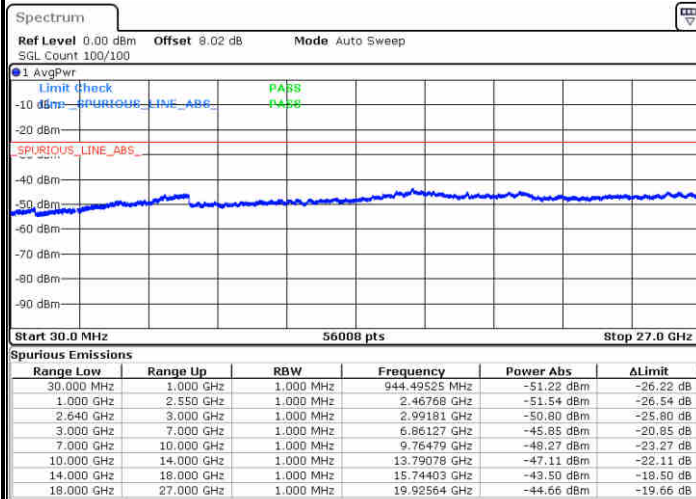
Date: 26 APR 2019 19:26:21

Middle Channel / 64QAM



Date: 26 APR 2019 19:29:18

Highest Channel / 64QAM



Date: 26 APR 2019 19:32:01

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0047	PASS
40	Normal Voltage	0.0038	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0089	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0035	
-30	Normal Voltage	0.0074	
20	Maximum Voltage	0.0056	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0076	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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	0.0032	PASS
40	Normal Voltage	0.0051	
30	Normal Voltage	0.0052	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0085	
0	Normal Voltage	0.0074	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0058	
-30	Normal Voltage	0.0069	
20	Maximum Voltage	0.0043	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0065	

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.



Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0047	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0038	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0055	
20	Maximum Voltage	0.0040	
20	Normal Voltage	0.0025	
20	Battery End Point	0.0076	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V..
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0067	
30	Normal Voltage	0.0086	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0066	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0082	
-30	Normal Voltage	0.0063	
20	Maximum Voltage	0.0093	
20	Normal Voltage	0.0020	
20	Battery End Point	0.0082	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Top Antenna:

LTE Band 4 / 1.4MHz / 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	3463.74	-65.33	-13	-52.33	-80.95	-72.18	5.65	12.50	H
	5195.61	-62.22	-13	-49.22	-82.39	-67.89	7.13	12.80	H
	6927.48	-56.68	-13	-43.68	-81.98	-60.08	8.40	11.80	H
	3463.74	-65.08	-13	-52.08	-80.73	-71.93	5.65	12.50	V
	5195.61	-61.68	-13	-48.68	-82.3	-67.35	7.13	12.80	V
	6927.48	-56.10	-13	-43.10	-81.51	-59.50	8.40	11.80	V

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

LTE Band 4 / 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	3462.48	-65.15	-13	-52.15	-80.77	-72.00	5.65	12.50	H
	5193.72	-61.89	-13	-48.89	-82.06	-67.56	7.13	12.80	H
	6924.96	-57.01	-13	-44.01	-82.31	-60.41	8.40	11.80	H
	3462.48	-64.81	-13	-51.81	-80.46	-71.66	5.65	12.50	V
	5193.72	-62.00	-13	-49.00	-82.62	-67.67	7.13	12.80	V
	6924.96	-56.64	-13	-43.64	-82.05	-60.04	8.40	11.80	V

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



LTE Band 4 / 5MHz / 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	3460.68	-64.98	-13	-51.98	-80.60	-71.83	5.65	12.50	H
	5191.02	-62.08	-13	-49.08	-82.25	-67.75	7.13	12.80	H
	6921.36	-56.88	-13	-43.88	-82.09	-60.28	8.40	11.80	H
	3460.68	-64.82	-13	-51.82	-80.47	-71.67	5.65	12.50	V
	5191.02	-62.17	-13	-49.17	-82.79	-67.84	7.13	12.80	V
	6921.36	-56.48	-13	-43.48	-81.83	-59.88	8.40	11.80	V

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

LTE Band 4 / 10MHz / 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	3456.18	-65.27	-13	-52.27	-80.74	-72.12	5.65	12.50	H
	5184.27	-62.21	-13	-49.21	-82.36	-67.88	7.13	12.80	H
	6912.36	-56.47	-13	-43.47	-81.68	-59.87	8.40	11.80	H
	3456.18	-64.97	-13	-51.97	-80.47	-71.82	5.65	12.50	V
	5184.27	-61.97	-13	-48.97	-82.57	-67.64	7.13	12.80	V
	6912.36	-56.27	-13	-43.27	-81.62	-59.67	8.40	11.80	V

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



LTE Band 4 / 15MHz / 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	3451.68	-64.39	-13	-51.39	-79.86	-71.24	5.65	12.50	H
	5177.52	-62.30	-13	-49.30	-82.45	-67.97	7.13	12.80	H
	6903.36	-57.03	-13	-44.03	-82.15	-60.43	8.40	11.80	H
	3451.68	-64.79	-13	-51.79	-80.29	-71.64	5.65	12.50	V
	5177.52	-61.93	-13	-48.93	-82.53	-67.60	7.13	12.80	V
	6903.36	-56.35	-13	-43.35	-81.63	-59.75	8.40	11.80	V

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

LTE Band 4 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447.18	-63.75	-13	-50.75	-79.22	-70.60	5.65	12.50	H
	5170.77	-62.38	-13	-49.38	-82.51	-68.05	7.13	12.80	H
	6894.36	-56.11	-13	-43.11	-81.24	-59.51	8.40	11.80	H
	3447.18	-64.25	-13	-51.25	-79.75	-71.10	5.65	12.50	V
	5170.77	-62.13	-13	-49.13	-82.71	-67.80	7.13	12.80	V
	6894.36	-56.29	-13	-43.29	-81.58	-59.69	8.40	11.80	V

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



LTE Band 5 / 1.4MHz / 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	1671.92	-67.13	-13	-54.13	-75.98	-70.38	4.00	9.40	H
	2507.88	-66.63	-13	-53.63	-80.11	-70.20	4.88	10.60	H
	3343.84	-65.84	-13	-52.84	-81.31	-70.77	5.52	12.60	H
	1671.92	-66.95	-13	-53.95	-75.59	-70.20	4.00	9.40	V
	2507.88	-66.57	-13	-53.57	-79.90	-70.14	4.88	10.60	V
	3343.84	-65.78	-13	-52.78	-81.25	-70.71	5.52	12.60	V

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

LTE Band 5 / 3MHz / 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	1670.48	-67.30	-13	-54.30	-76.27	-70.55	4.00	9.40	H
	2505.72	-66.56	-13	-53.56	-80.04	-70.13	4.88	10.60	H
	3340.96	-65.80	-13	-52.80	-81.27	-70.73	5.52	12.60	H
	1670.48	-66.08	-13	-53.08	-74.77	-69.33	4.00	9.40	V
	2505.72	-66.92	-13	-53.92	-80.25	-70.49	4.88	10.60	V
	3340.96	-65.51	-13	-52.51	-80.98	-70.44	5.52	12.60	V

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



LTE Band 5 / 5MHz / 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	1668.68	-66.04	-13	-53.04	-75.01	-69.29	4.00	9.40	H
	2503.02	-66.33	-13	-53.33	-79.83	-69.90	4.88	10.60	H
	3337.36	-65.63	-13	-52.63	-81.13	-70.56	5.52	12.60	H
	1668.68	-66.73	-13	-53.73	-75.42	-69.98	4.00	9.40	V
	2503.02	-66.44	-13	-53.44	-79.83	-70.01	4.88	10.60	V
	3337.36	-65.47	-13	-52.47	-81.00	-70.40	5.52	12.60	V

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

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664.18	-66.55	-13	-53.55	-75.52	-69.80	4.00	9.40	H
	2496.27	-66.68	-13	-53.68	-80.18	-70.25	4.88	10.60	H
	3328.36	-65.49	-13	-52.49	-80.99	-70.42	5.52	12.60	H
	1664.18	-67.89	-13	-54.89	-76.58	-71.14	4.00	9.40	V
	2496.27	-66.58	-13	-53.58	-79.97	-70.15	4.88	10.60	V
	3328.36	-65.54	-13	-52.54	-81.07	-70.47	5.52	12.60	V

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



LTE Band 7 / 5MHz / 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	5065.68	-61.65	-25	-36.65	-81.65	-67.21	7.14	12.70	H
	7598.52	-56.74	-25	-31.74	-82.74	-60.04	8.30	11.60	H
	10131.36	-52.86	-25	-27.86	-83.08	-54.38	10.48	12.00	H
	5065.68	-60.85	-25	-35.85	-81.27	-66.41	7.14	12.70	V
	7598.52	-56.81	-25	-31.81	-82.68	-60.11	8.30	11.60	V
	10131.36	-53.00	-25	-28.00	-82.5	-54.52	10.48	12.00	V

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

LTE Band 7 / 10MHz / 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	5061.18	-61.68	-25	-36.68	-81.68	-67.24	7.14	12.70	H
	7591.77	-56.54	-25	-31.54	-82.54	-59.84	8.30	11.60	H
	10122.36	-52.77	-25	-27.77	-82.99	-54.29	10.48	12.00	H
	5061.18	-60.73	-25	-35.73	-81.15	-66.29	7.14	12.70	V
	7591.77	-56.72	-25	-31.72	-82.59	-60.02	8.30	11.60	V
	10122.36	-52.67	-25	-27.67	-82.17	-54.19	10.48	12.00	V

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



LTE Band 7 / 15MHz / 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	5056.68	-61.82	-25	-36.82	-81.82	-67.38	7.14	12.70	H
	7585.02	-56.48	-25	-31.48	-82.55	-59.78	8.30	11.60	H
	10113.36	-52.83	-25	-27.83	-83.06	-54.35	10.48	12.00	H
	5056.68	-60.74	-25	-35.74	-81.16	-66.30	7.14	12.70	V
	7585.02	-56.75	-25	-31.75	-82.67	-60.05	8.30	11.60	V
	10113.36	-53.57	-25	-28.57	-83.05	-55.09	10.48	12.00	V

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

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052.18	-61.47	-25	-36.47	-81.45	-67.03	7.14	12.70	H
	7578.27	-56.61	-25	-31.61	-82.68	-59.91	8.30	11.60	H
	10104.36	-52.87	-25	-27.87	-83.10	-54.39	10.48	12.00	H
	5052.18	-60.95	-25	-35.95	-81.35	-66.51	7.14	12.70	V
	7578.27	-56.92	-25	-31.92	-82.84	-60.22	8.30	11.60	V
	10104.36	-52.44	-25	-27.44	-81.92	-53.96	10.48	12.00	V

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



LTE Band 38 / 5MHz / 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	5185.50	-61.46	-25	-36.46	-81.61	-67.02	7.14	12.70	H
	7778.25	-56.80	-25	-31.80	-82.86	-60.10	8.30	11.60	H
	10371.00	-52.24	-25	-27.24	-82.52	-53.76	10.48	12.00	H
	5185.50	-61.00	-25	-36.00	-81.6	-66.56	7.14	12.70	V
	7778.25	-57.00	-25	-32.00	-82.84	-60.30	8.30	11.60	V
	10371.00	-52.77	-25	-27.77	-82.73	-54.29	10.48	12.00	V

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

LTE Band 38 / 10MHz / 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	5181.00	-61.37	-25	-36.37	-81.52	-66.93	7.14	12.70	H
	7771.50	-56.57	-25	-31.57	-82.62	-59.87	8.30	11.60	H
	10362.00	-52.74	-25	-27.74	-83.02	-54.26	10.48	12.00	H
	5181.00	-60.98	-25	-35.98	-81.58	-66.54	7.14	12.70	V
	7771.50	-56.69	-25	-31.69	-82.53	-59.99	8.30	11.60	V
	10362.00	-53.24	-25	-28.24	-83.2	-54.76	10.48	12.00	V

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



LTE Band 38 / 15MHz / 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	5176.50	-60.98	-25	-35.98	-81.13	-66.54	7.14	12.70	H
	7764.75	-56.46	-25	-31.46	-82.52	-59.76	8.30	11.60	H
	10353.00	-53.01	-25	-28.01	-83.27	-54.53	10.48	12.00	H
	5176.50	-61.01	-25	-36.01	-81.61	-66.57	7.14	12.70	V
	7764.75	-56.87	-25	-31.87	-82.72	-60.17	8.30	11.60	V
	10353.00	-53.03	-25	-28.03	-82.95	-54.55	10.48	12.00	V

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

LTE Band 38 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5172.00	-61.52	-25	-36.52	-81.65	-67.08	7.14	12.70	H
	7758.00	-56.74	-25	-31.74	-82.80	-60.04	8.30	11.60	H
	10344.00	-52.82	-25	-27.82	-83.09	-54.34	10.48	12.00	H
	5172.00	-60.58	-25	-35.58	-81.16	-66.14	7.14	12.70	V
	7758.00	-56.82	-25	-31.82	-82.67	-60.12	8.30	11.60	V
	10344.00	-53.20	-25	-28.20	-83.13	-54.72	10.48	12.00	V

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



Bottom Antenna:

LTE Band 4 / 1.4MHz / 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	3463.74	-64.22	-13	-51.22	-79.84	-71.07	5.65	12.50	H
	5195.61	-62.28	-13	-49.28	-82.45	-67.95	7.13	12.80	H
	6927.48	-54.88	-13	-41.88	-80.18	-58.28	8.40	11.80	H
	3463.74	-65.00	-13	-52.00	-80.65	-71.85	5.65	12.50	V
	5195.61	-62.00	-13	-49.00	-82.62	-67.67	7.13	12.80	V
	6927.48	-53.67	-13	-40.67	-79.08	-57.07	8.40	11.80	V

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

LTE Band 4 / 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	3462.48	-64.17	-13	-51.17	-79.79	-71.02	5.65	12.50	H
	5193.72	-62.40	-13	-49.40	-82.57	-68.07	7.13	12.80	H
	6924.96	-55.13	-13	-42.13	-80.43	-58.53	8.40	11.80	H
	3462.48	-64.59	-13	-51.59	-80.24	-71.44	5.65	12.50	V
	5193.72	-61.92	-13	-48.92	-82.54	-67.59	7.13	12.80	V
	6924.96	-54.01	-13	-41.01	-79.42	-57.41	8.40	11.80	V

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



LTE Band 4 / 5MHz / 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	3460.68	-64.05	-13	-51.05	-79.67	-70.90	5.65	12.50	H
	5191.02	-62.45	-13	-49.45	-82.62	-68.12	7.13	12.80	H
	6921.36	-55.13	-13	-42.13	-80.34	-58.53	8.40	11.80	H
	3460.68	-64.61	-13	-51.61	-80.26	-71.46	5.65	12.50	V
	5191.02	-61.83	-13	-48.83	-82.45	-67.50	7.13	12.80	V
	6921.36	-53.88	-13	-40.88	-79.23	-57.28	8.40	11.80	V

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

LTE Band 4 / 10MHz / 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	3456.18	-63.46	-13	-50.46	-78.93	-70.31	5.65	12.50	H
	5184.27	-62.23	-13	-49.23	-82.38	-67.90	7.13	12.80	H
	6912.36	-53.74	-13	-40.74	-78.95	-57.14	8.40	11.80	H
	3456.18	-63.89	-13	-50.89	-79.39	-70.74	5.65	12.50	V
	5184.27	-61.80	-13	-48.80	-82.4	-67.47	7.13	12.80	V
	6912.36	-53.47	-13	-40.47	-78.82	-56.87	8.40	11.80	V

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



LTE Band 4 / 15MHz / 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	3451.68	-63.15	-13	-50.15	-78.62	-70.00	5.65	12.50	H
	5177.52	-62.27	-13	-49.27	-82.42	-67.94	7.13	12.80	H
	6903.36	-55.01	-13	-42.01	-80.13	-58.41	8.40	11.80	H
	3451.68	-62.74	-13	-49.74	-78.24	-69.59	5.65	12.50	V
	5177.52	-61.79	-13	-48.79	-82.39	-67.46	7.13	12.80	V
	6903.36	-52.61	-13	-39.61	-77.89	-56.01	8.40	11.80	V

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

LTE Band 4 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447.18	-62.98	-13	-49.98	-78.45	-69.83	5.65	12.50	H
	5170.77	-62.18	-13	-49.18	-82.31	-67.85	7.13	12.80	H
	6894.36	-55.31	-13	-42.31	-80.44	-58.71	8.40	11.80	H
	3447.18	-63.10	-13	-50.10	-78.6	-69.95	5.65	12.50	V
	5170.77	-61.76	-13	-48.76	-82.34	-67.43	7.13	12.80	V
	6894.36	-53.12	-13	-40.12	-78.41	-56.52	8.40	11.80	V

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



LTE Band 5 / 1.4MHz / 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	1671.92	-60.51	-13	-47.51	-69.36	-63.76	4.00	9.40	H
	2507.88	-66.69	-13	-53.69	-80.17	-70.26	4.88	10.60	H
	3343.84	-65.87	-13	-52.87	-81.34	-70.80	5.52	12.60	H
	1671.92	-58.33	-13	-45.33	-66.97	-61.58	4.00	9.40	V
	2507.88	-66.48	-13	-53.48	-79.81	-70.05	4.88	10.60	V
	3343.84	-65.69	-13	-52.69	-81.16	-70.62	5.52	12.60	V

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

LTE Band 5 / 3MHz / 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	1670.48	-59.68	-13	-46.68	-68.65	-62.93	4.00	9.40	H
	2505.72	-66.52	-13	-53.52	-80.00	-70.09	4.88	10.60	H
	3340.96	-65.74	-13	-52.74	-81.21	-70.67	5.52	12.60	H
	1670.48	-57.72	-13	-44.72	-66.41	-60.97	4.00	9.40	V
	2505.72	-66.68	-13	-53.68	-80.01	-70.25	4.88	10.60	V
	3340.96	-65.60	-13	-52.60	-81.07	-70.53	5.52	12.60	V

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



LTE Band 5 / 5MHz / 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	1668.68	-62.76	-13	-49.76	-71.73	-66.01	4.00	9.40	H
	2503.02	-66.58	-13	-53.58	-80.08	-70.15	4.88	10.60	H
	3337.36	-65.83	-13	-52.83	-81.33	-70.76	5.52	12.60	H
	1668.68	-61.53	-13	-48.53	-70.22	-64.78	4.00	9.40	V
	2503.02	-66.40	-13	-53.40	-79.79	-69.97	4.88	10.60	V
	3337.36	-65.21	-13	-52.21	-80.74	-70.14	5.52	12.60	V

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

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664.18	-60.93	-13	-47.93	-69.90	-64.18	4.00	9.40	H
	2496.27	-66.51	-13	-53.51	-80.01	-70.08	4.88	10.60	H
	3328.36	-65.56	-13	-52.56	-81.06	-70.49	5.52	12.60	H
	1664.18	-57.97	-13	-44.97	-66.66	-61.22	4.00	9.40	V
	2496.27	-66.89	-13	-53.89	-80.28	-70.46	4.88	10.60	V
	3328.36	-65.53	-13	-52.53	-81.06	-70.46	5.52	12.60	V

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



LTE Band 7 / 5MHz / 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	5065.68	-61.28	-25	-36.28	-81.28	-66.84	7.14	12.70	H
	7598.52	-56.37	-25	-31.37	-82.37	-59.67	8.30	11.60	H
	10131.36	-53.02	-25	-28.02	-83.24	-54.54	10.48	12.00	H
	5065.68	-61.60	-25	-36.60	-82.02	-67.16	7.14	12.70	V
	7598.52	-56.88	-25	-31.88	-82.75	-60.18	8.30	11.60	V
	10131.36	-53.89	-25	-28.89	-83.39	-55.41	10.48	12.00	V

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

LTE Band 7 / 10MHz / 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	5061.18	-61.71	-25	-36.71	-81.71	-67.27	7.14	12.70	H
	7591.77	-56.67	-25	-31.67	-82.67	-59.97	8.30	11.60	H
	10122.36	-52.75	-25	-27.75	-82.97	-54.27	10.48	12.00	H
	5061.18	-61.97	-25	-36.97	-82.39	-67.53	7.14	12.70	V
	7591.77	-56.53	-25	-31.53	-82.4	-59.83	8.30	11.60	V
	10122.36	-53.25	-25	-28.25	-82.75	-54.77	10.48	12.00	V

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



LTE Band 7 / 15MHz / 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	5056.68	-60.25	-25	-35.25	-80.25	-65.81	7.14	12.70	H
	7585.02	-56.11	-25	-31.11	-82.18	-59.41	8.30	11.60	H
	10113.36	-52.40	-25	-27.40	-82.63	-53.92	10.48	12.00	H
	5056.68	-61.28	-25	-36.28	-81.7	-66.84	7.14	12.70	V
	7585.02	-56.23	-25	-31.23	-82.15	-59.53	8.30	11.60	V
	10113.36	-53.24	-25	-28.24	-82.72	-54.76	10.48	12.00	V

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

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052.18	-61.31	-25	-36.31	-81.29	-66.87	7.14	12.70	H
	7578.27	-56.40	-25	-31.40	-82.47	-59.70	8.30	11.60	H
	10104.36	-51.77	-25	-26.77	-82.00	-53.29	10.48	12.00	H
	5052.18	-61.13	-25	-36.13	-81.53	-66.69	7.14	12.70	V
	7578.27	-56.36	-25	-31.36	-82.28	-59.66	8.30	11.60	V
	10104.36	-53.28	-25	-28.28	-82.76	-54.80	10.48	12.00	V

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



LTE Band 38 / 5MHz / 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	5185.50	-60.67	-25	-35.67	-80.82	-66.23	7.14	12.70	H
	7778.25	-56.93	-25	-31.93	-82.99	-60.23	8.30	11.60	H
	10371.00	-52.88	-25	-27.88	-83.16	-54.40	10.48	12.00	H
	5185.50	-60.98	-25	-35.98	-81.58	-66.54	7.14	12.70	V
	7778.25	-57.04	-25	-32.04	-82.88	-60.34	8.30	11.60	V
	10371.00	-52.34	-25	-27.34	-82.3	-53.86	10.48	12.00	V

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

LTE Band 38 / 10MHz / 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	5181.00	-60.01	-25	-35.01	-80.16	-65.57	7.14	12.70	H
	7771.50	-56.48	-25	-31.48	-82.53	-59.78	8.30	11.60	H
	10362.00	-52.58	-25	-27.58	-82.86	-54.10	10.48	12.00	H
	5181.00	-58.89	-25	-33.89	-79.49	-64.45	7.14	12.70	V
	7771.50	-57.32	-25	-32.32	-83.16	-60.62	8.30	11.60	V
	10362.00	-53.26	-25	-28.26	-83.22	-54.78	10.48	12.00	V

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



LTE Band 38 / 15MHz / 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	5176.50	-60.18	-25	-35.18	-80.33	-65.74	7.14	12.70	H
	7764.75	-56.33	-25	-31.33	-82.39	-59.63	8.30	11.60	H
	10353.00	-52.81	-25	-27.81	-83.07	-54.33	10.48	12.00	H
	5176.50	-58.81	-25	-33.81	-79.41	-64.37	7.14	12.70	V
	7764.75	-57.03	-25	-32.03	-82.88	-60.33	8.30	11.60	V
	10353.00	-53.25	-25	-28.25	-83.17	-54.77	10.48	12.00	V

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

LTE Band 38 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5172.00	-60.10	-25	-35.10	-80.23	-65.66	7.14	12.70	H
	7758.00	-56.44	-25	-31.44	-82.50	-59.74	8.30	11.60	H
	10344.00	-53.01	-25	-28.01	-83.28	-54.53	10.48	12.00	H
	5172.00	-59.68	-25	-34.68	-80.26	-65.24	7.14	12.70	V
	7758.00	-57.10	-25	-32.10	-82.95	-60.40	8.30	11.60	V
	10344.00	-53.00	-25	-28.00	-82.93	-54.52	10.48	12.00	V

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