



Lowest Channel / 16QAM



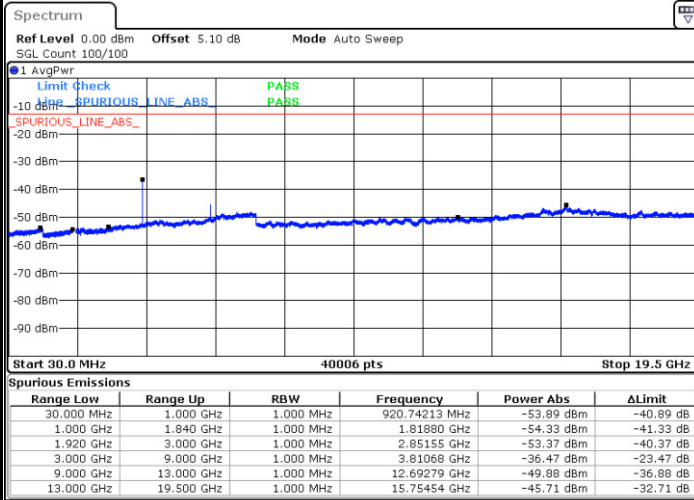
Middle Channel / 16QAM





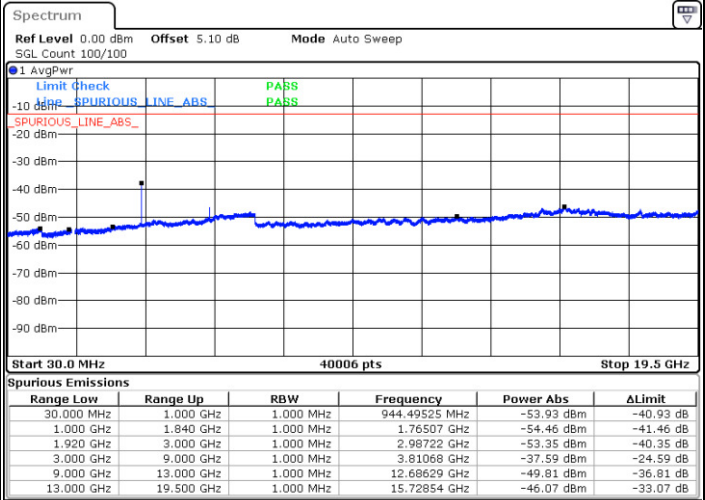
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 5 JAN 2018 10:17:57

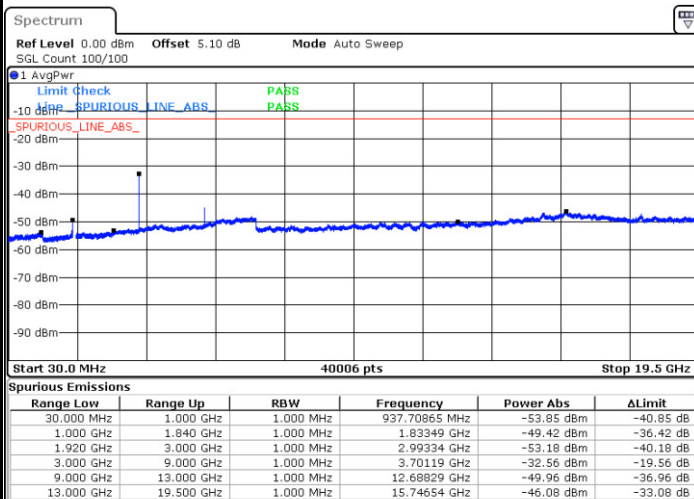
Highest Channel / 16QAM



Date: 5 JAN 2018 10:18:51

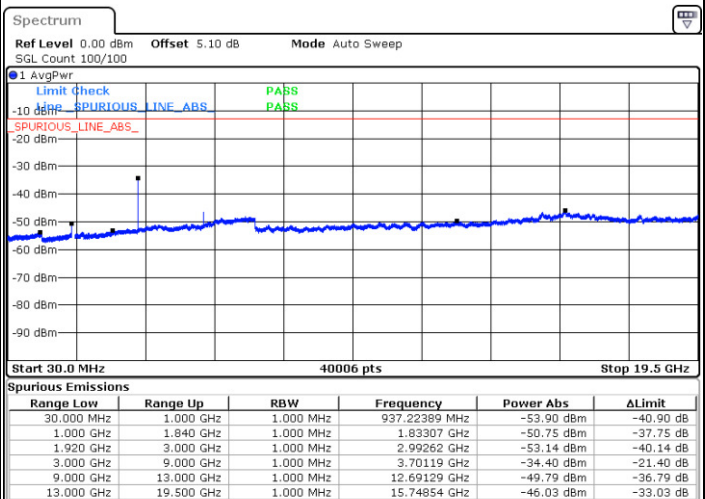
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 5 JAN 2018 10:24:54

Lowest Channel / 16QAM

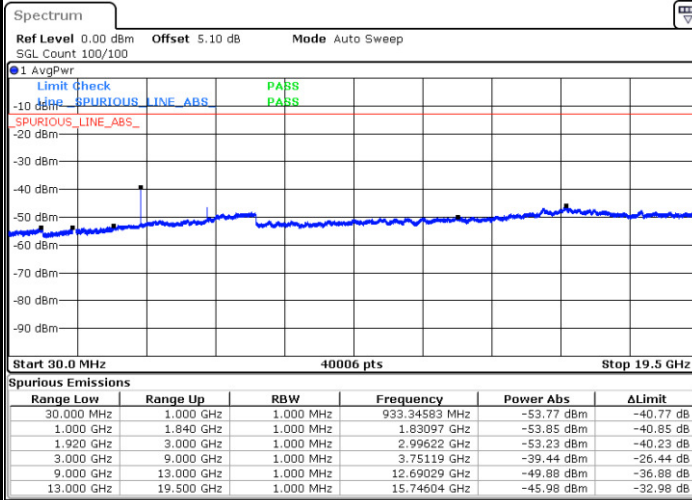


Date: 5 JAN 2018 10:25:49



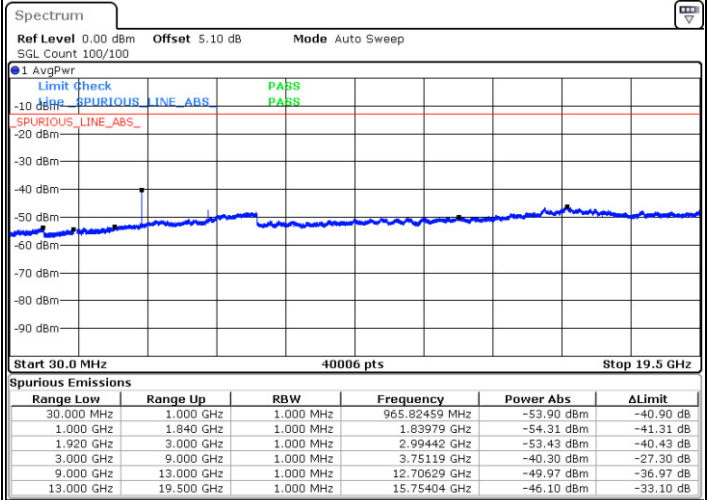
LTE Band 2 / 10MHz

Middle Channel / QPSK



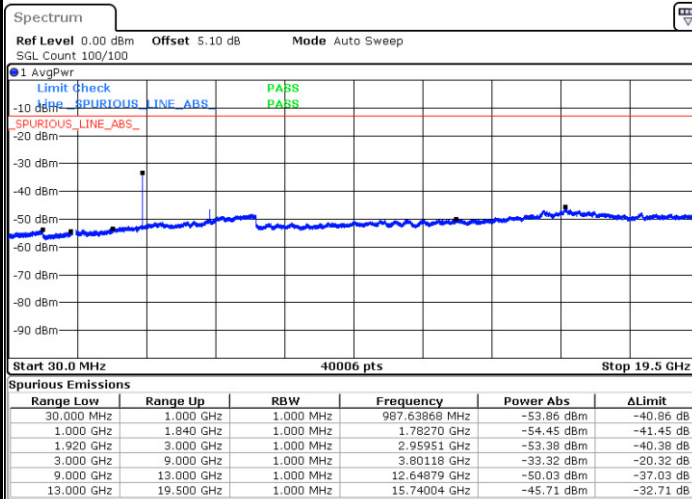
Date: 5 JAN 2018 10:27:23

Middle Channel / 16QAM



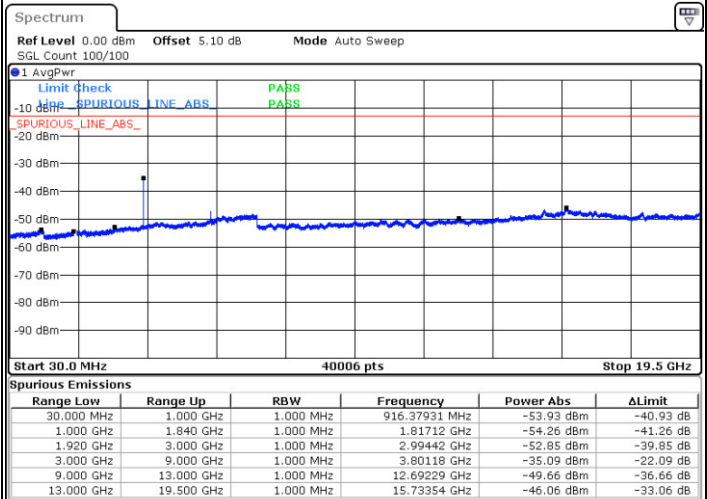
Date: 5 JAN 2018 10:28:17

Highest Channel / QPSK



Date: 5 JAN 2018 10:34:20

Highest Channel / 16QAM

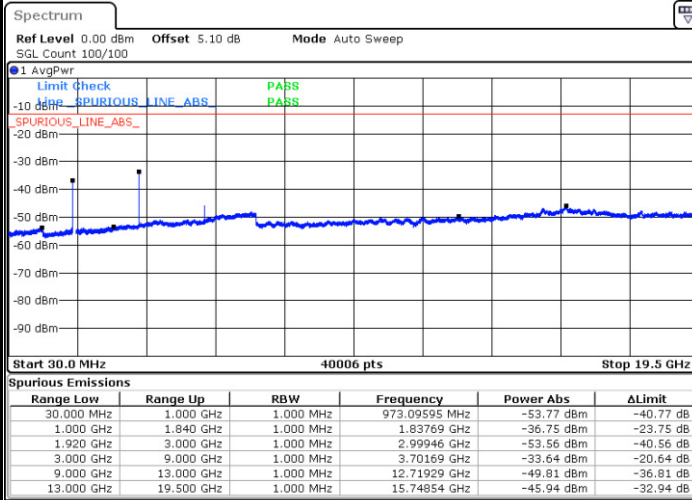


Date: 5 JAN 2018 10:35:15



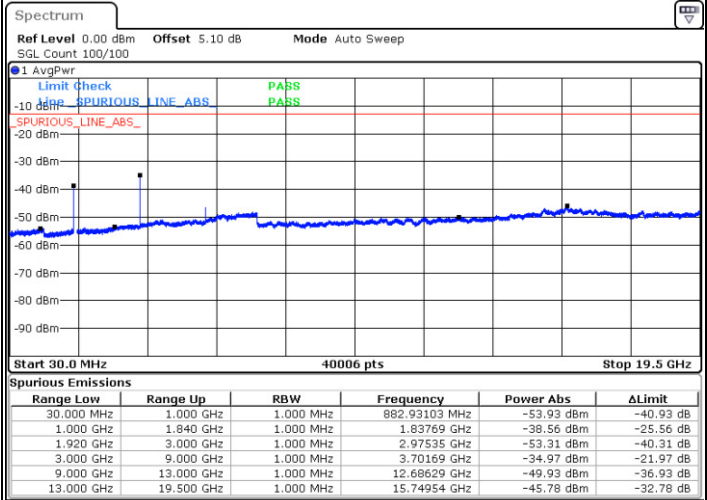
LTE Band 2 / 15MHz

Lowest Channel / QPSK



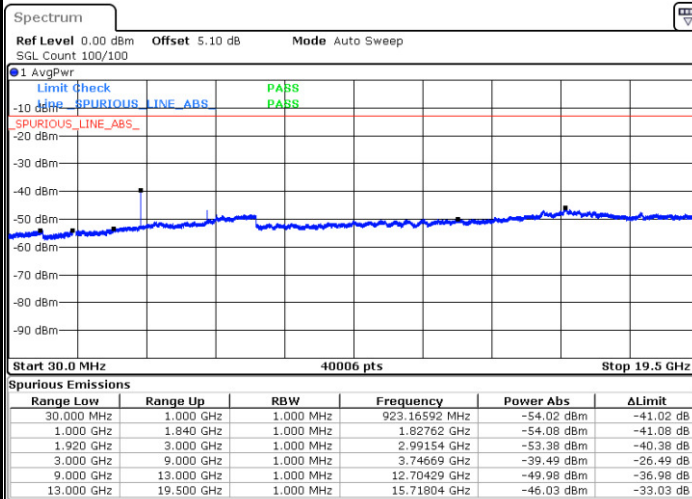
Date: 5.JAN.2018 10:41:18

Lowest Channel / 16QAM



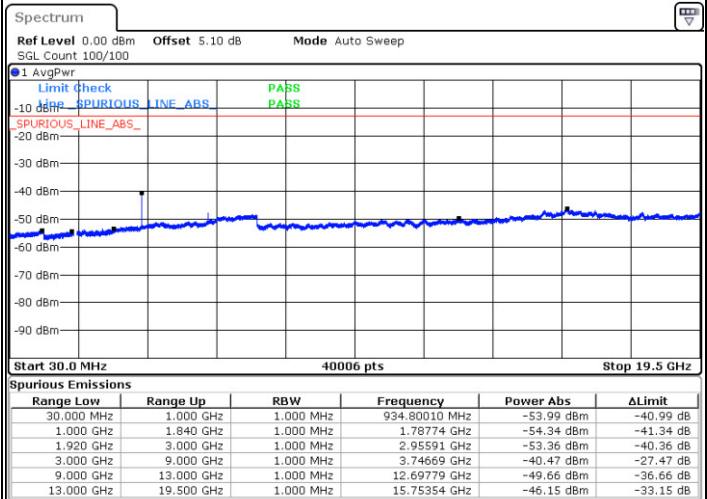
Date: 5.JAN.2018 10:42:12

Middle Channel / QPSK



Date: 5.JAN.2018 10:43:47

Middle Channel / 16QAM

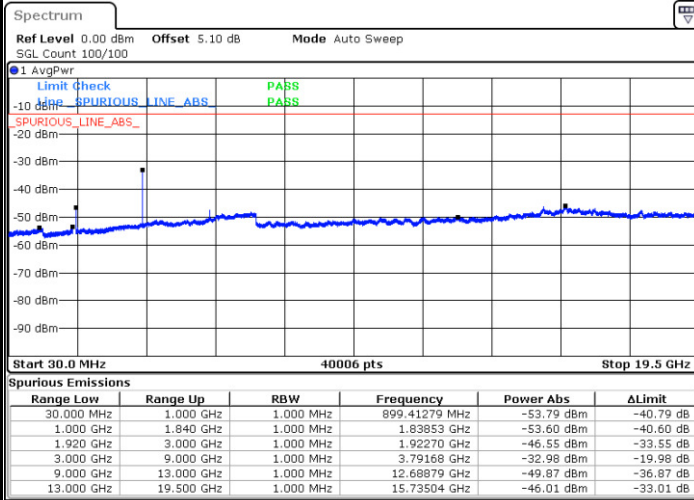


Date: 5.JAN.2018 10:44:41



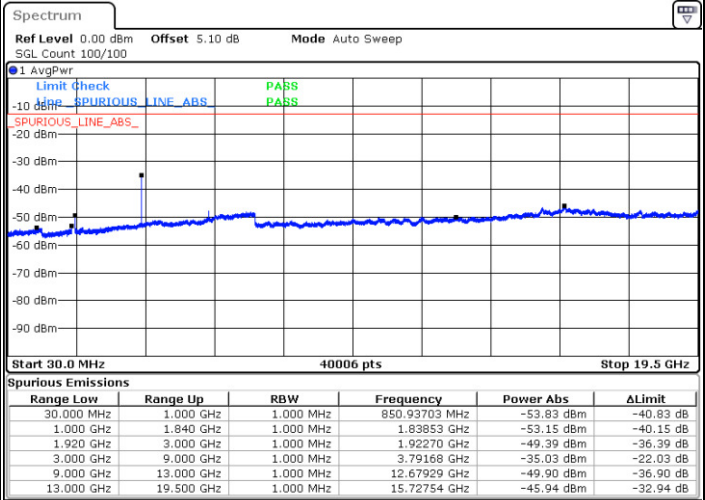
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 5 JAN 2018 10:50:44

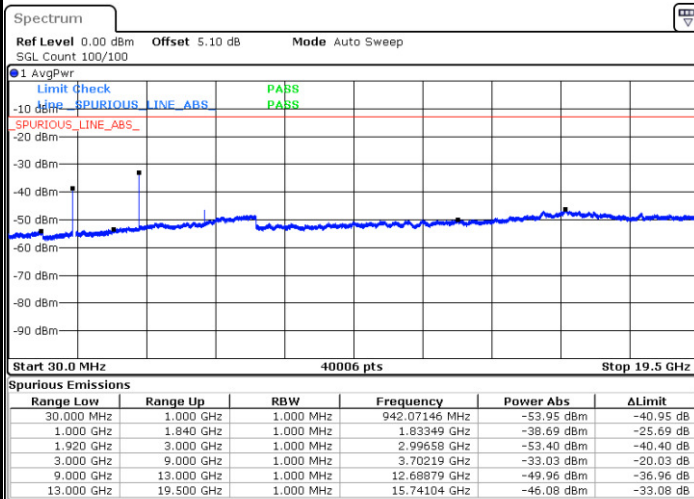
Highest Channel / 16QAM



Date: 5 JAN 2018 10:51:39

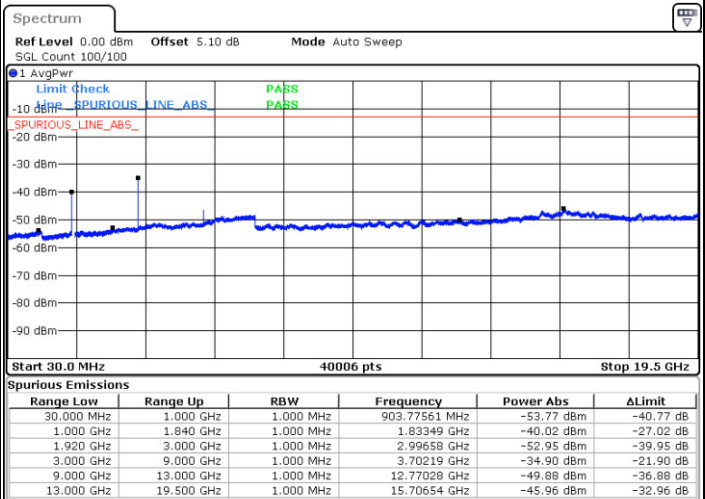
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 5 JAN 2018 10:57:42

Lowest Channel / 16QAM

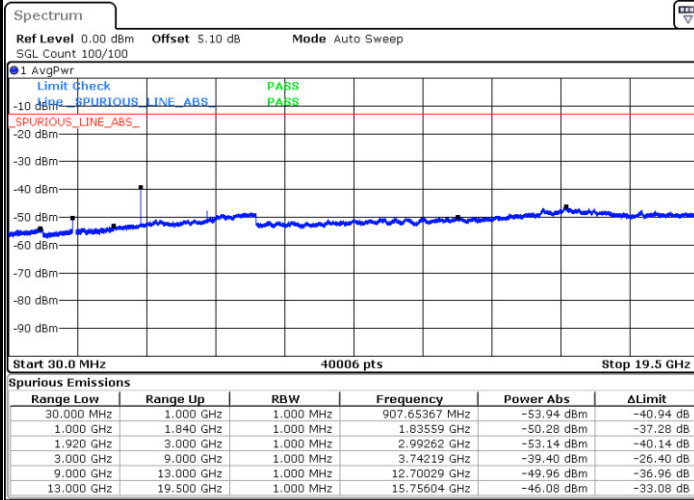


Date: 5 JAN 2018 10:58:37



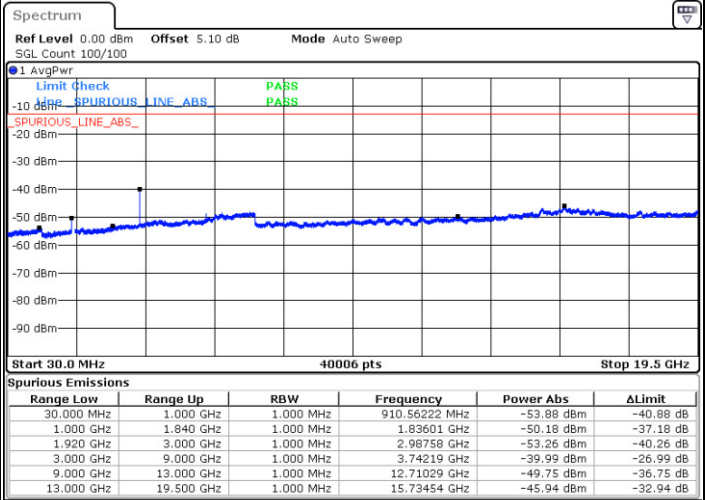
LTE Band 2 / 20MHz

Middle Channel / QPSK



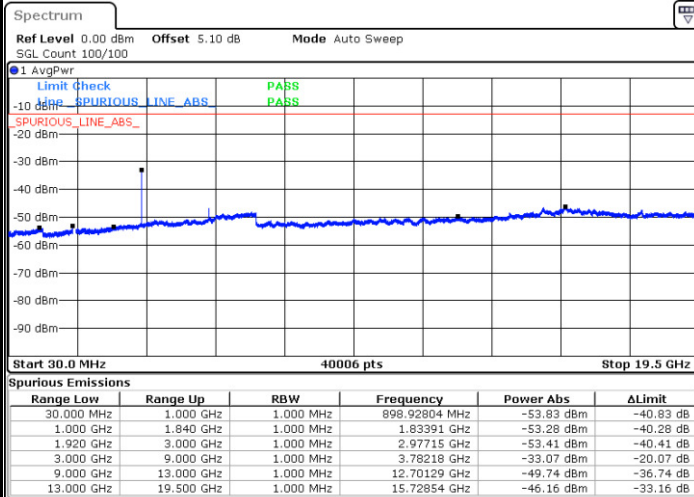
Date: 5 JAN 2018 11:00:11

Middle Channel / 16QAM



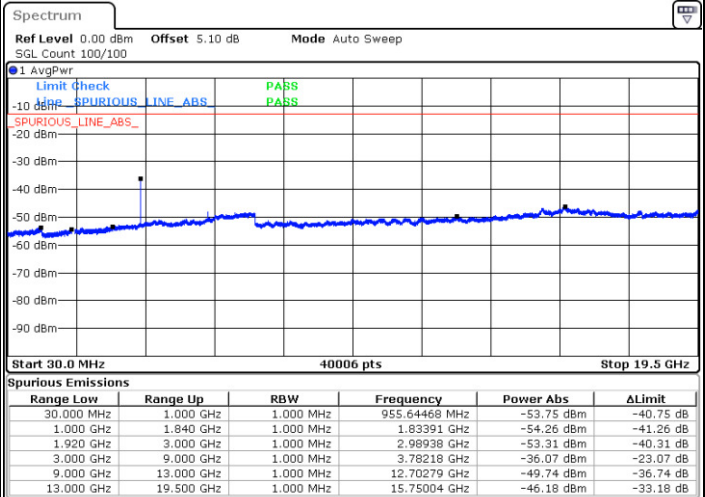
Date: 5 JAN 2018 11:01:05

Highest Channel / QPSK



Date: 5 JAN 2018 11:07:08

Highest Channel / 16QAM

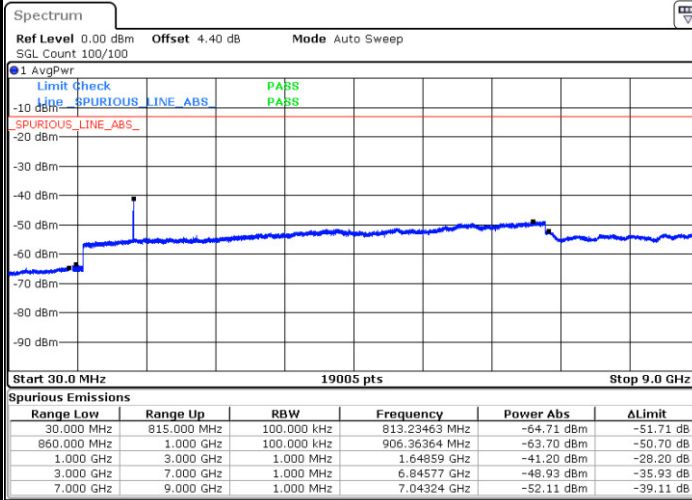


Date: 5 JAN 2018 11:08:03



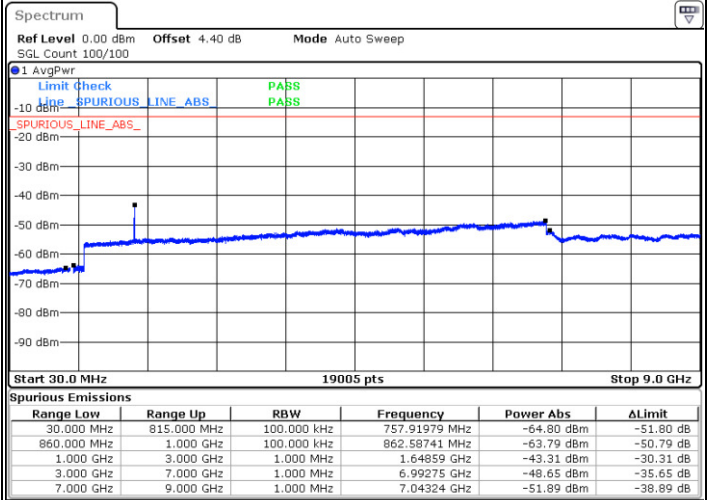
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



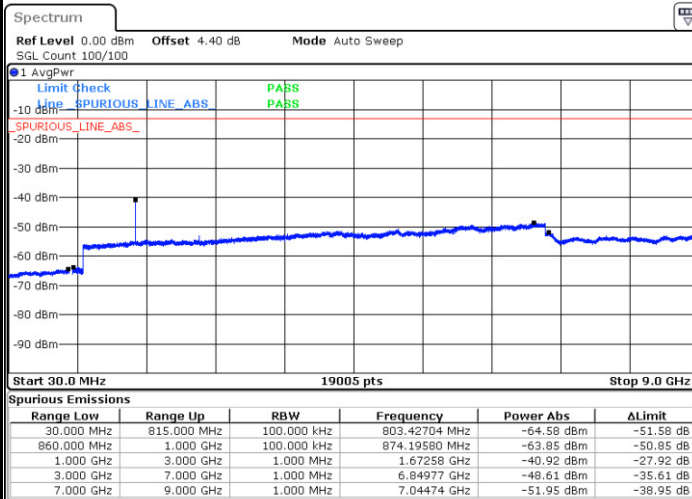
Date: 4 JAN 2018 15:21:53

Lowest Channel / 16QAM



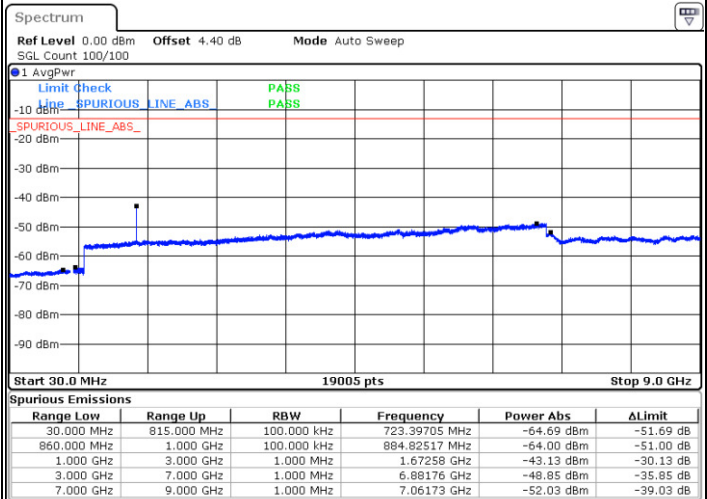
Date: 4 JAN 2018 15:22:48

Middle Channel / QPSK



Date: 4 JAN 2018 15:24:26

Middle Channel / 16QAM

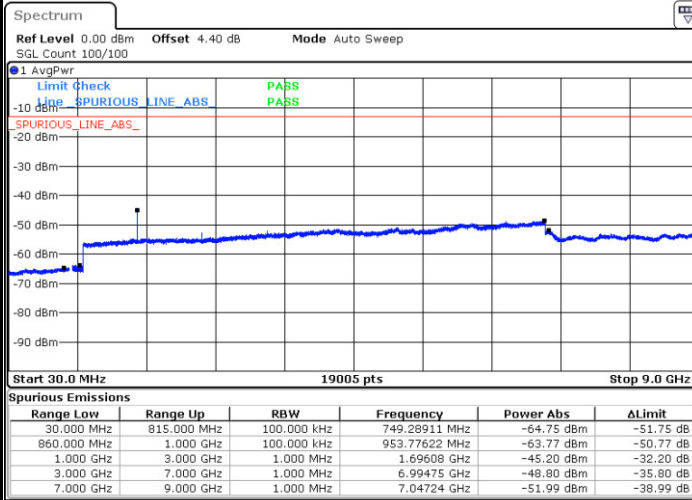


Date: 4 JAN 2018 15:25:21



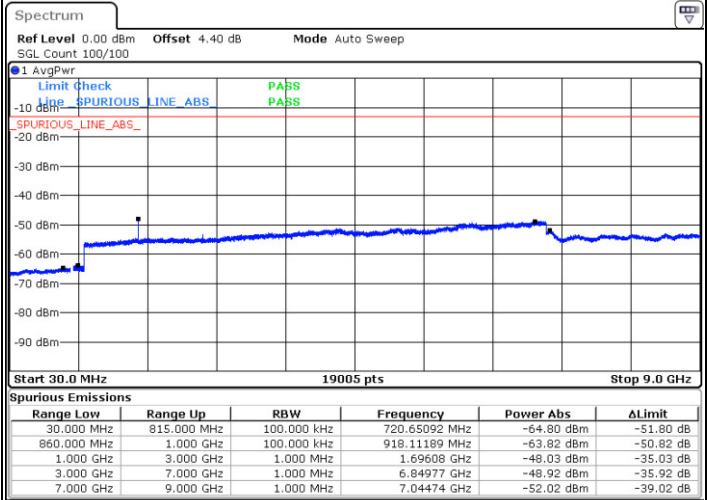
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 4 JAN 2018 15:33:31

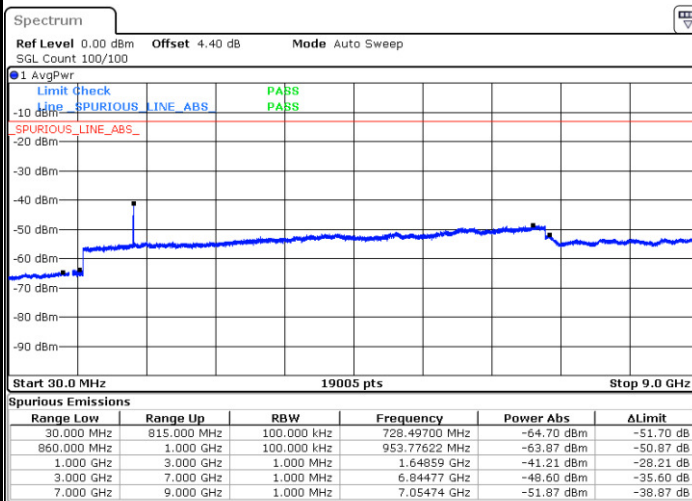
Highest Channel / 16QAM



Date: 4 JAN 2018 15:34:26

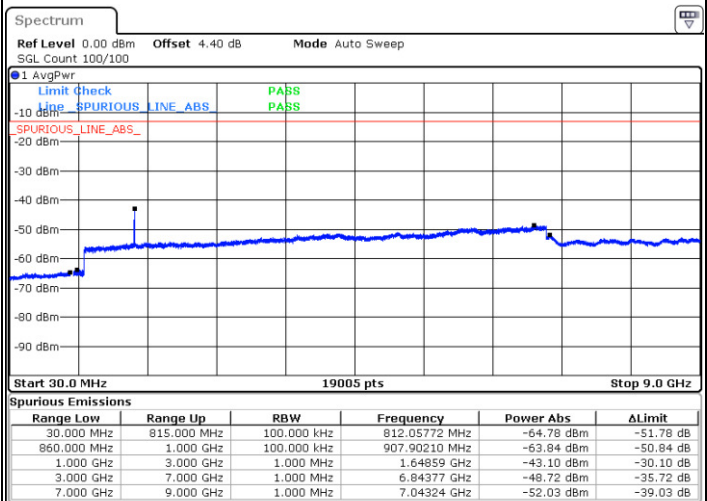
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 4 JAN 2018 15:48:06

Lowest Channel / 16QAM

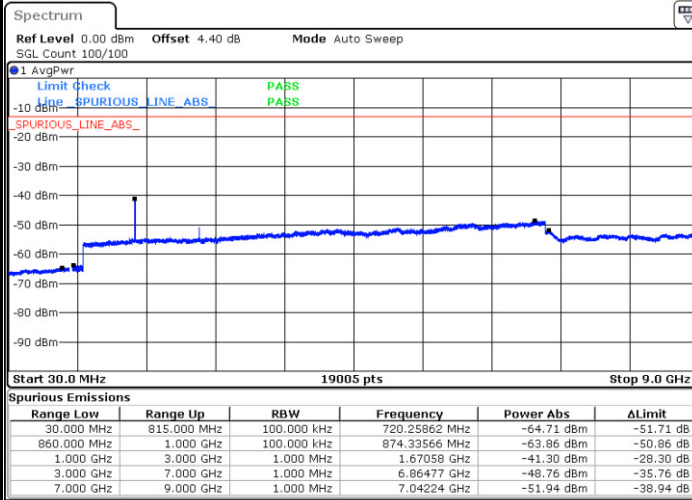


Date: 4 JAN 2018 16:01:14



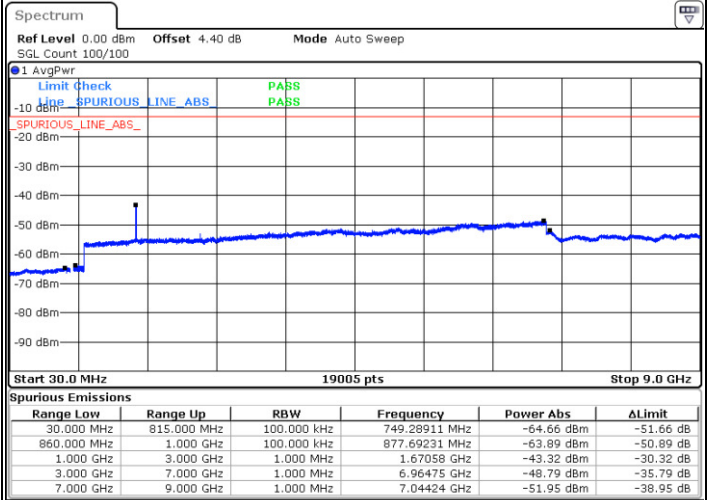
LTE Band 5 / 3MHz

Middle Channel / QPSK



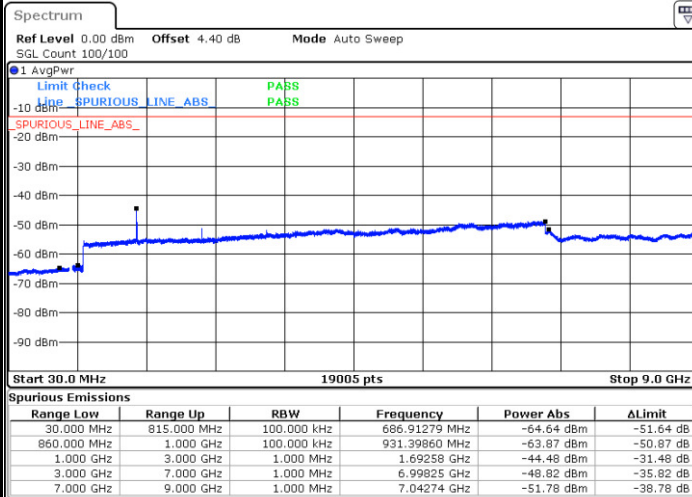
Date: 4 JAN 2018 16:02:02

Middle Channel / 16QAM



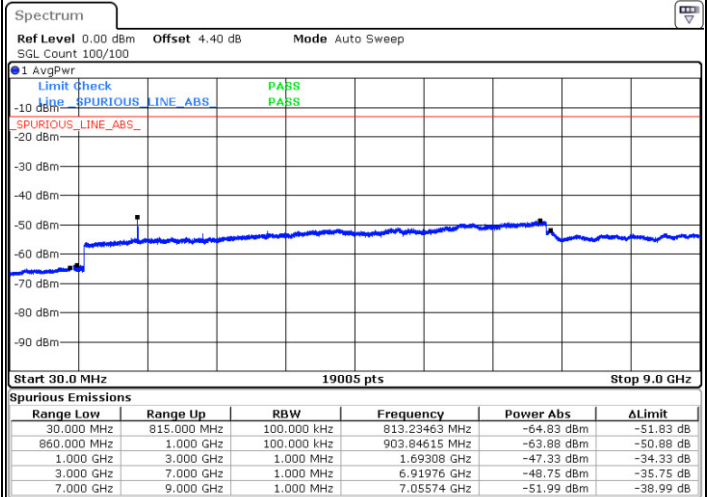
Date: 4 JAN 2018 16:01:38

Highest Channel / QPSK



Date: 4 JAN 2018 16:03:50

Highest Channel / 16QAM

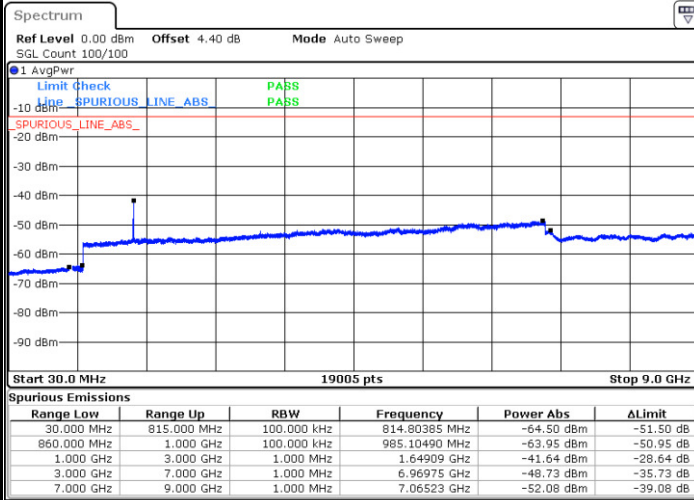


Date: 4 JAN 2018 16:04:22



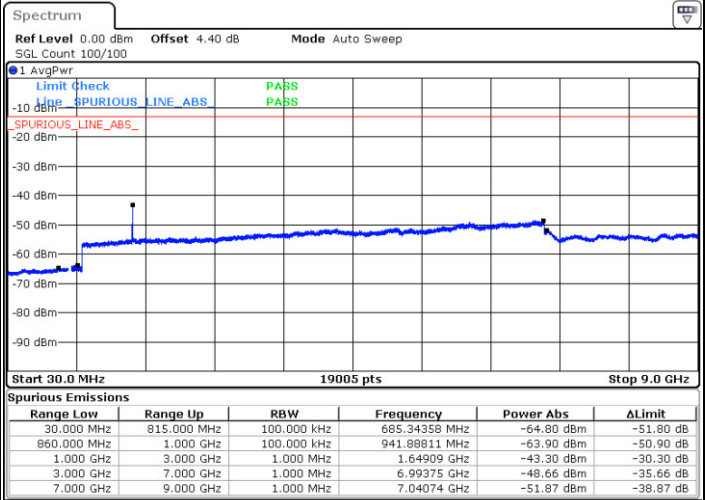
LTE Band 5 / 5MHz

Lowest Channel / QPSK



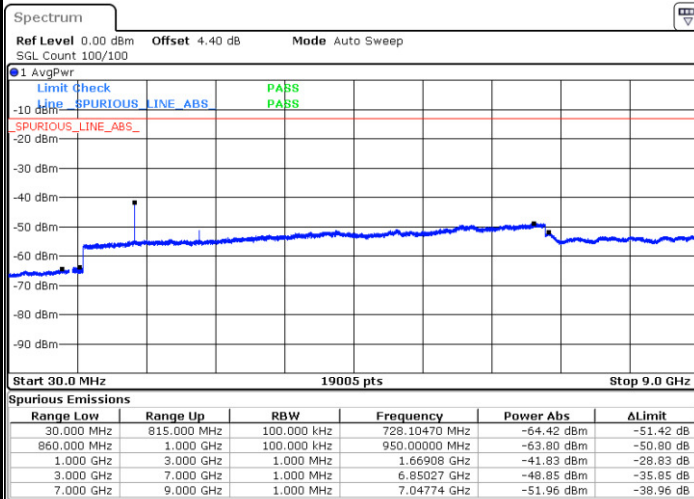
Date: 4 JAN 2018 16:16:26

Lowest Channel / 16QAM



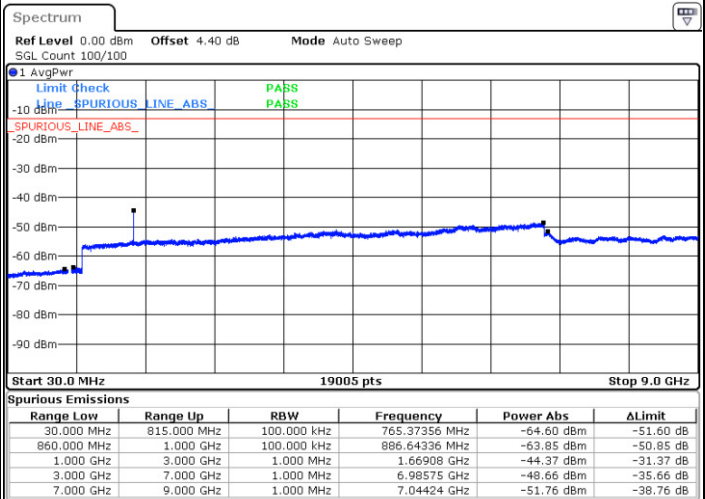
Date: 4 JAN 2018 16:18:17

Middle Channel / QPSK



Date: 4 JAN 2018 16:19:08

Middle Channel / 16QAM

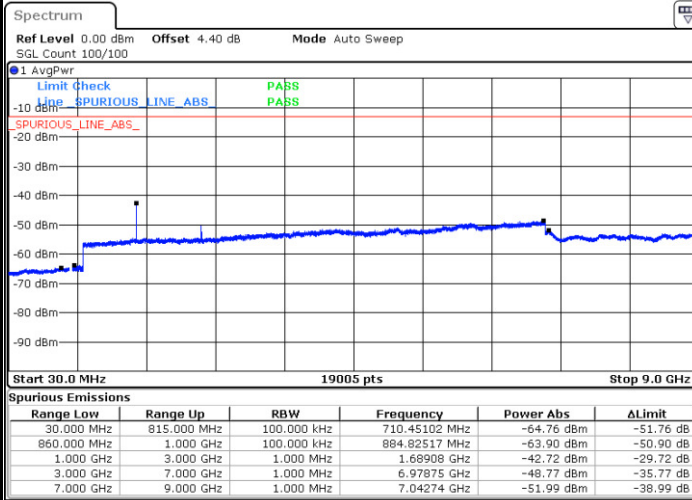


Date: 4 JAN 2018 16:18:42



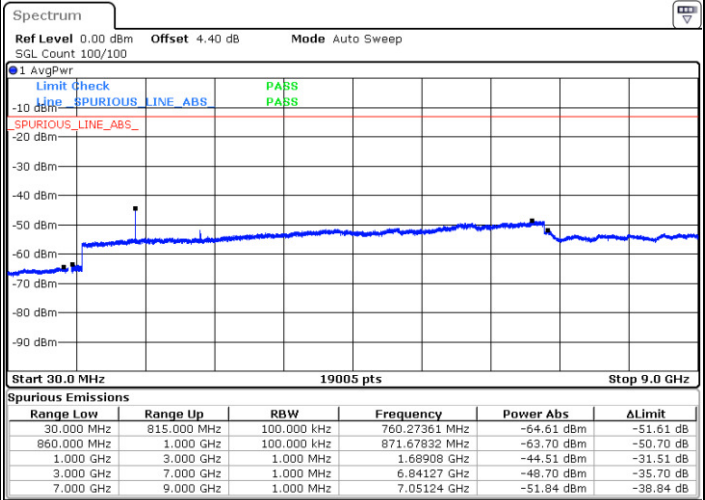
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 4 JAN 2018 16:19:40

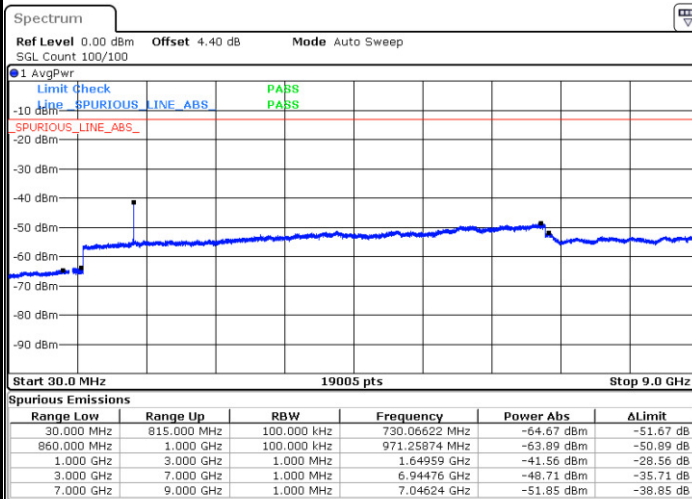
Highest Channel / 16QAM



Date: 4 JAN 2018 16:20:09

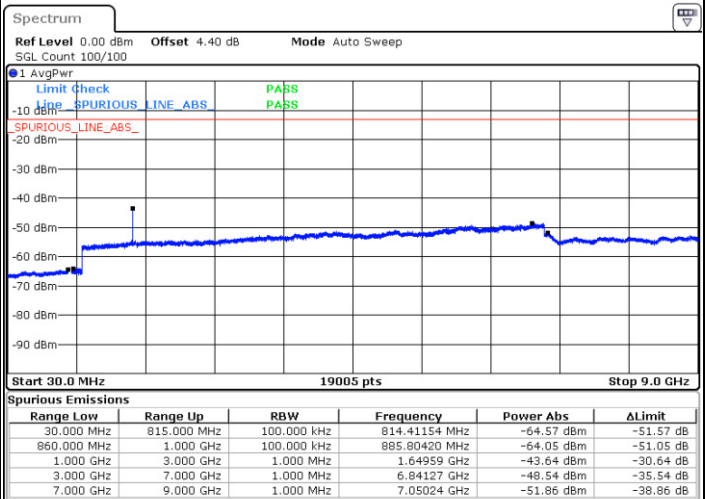
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 4 JAN 2018 16:25:48

Lowest Channel / 16QAM

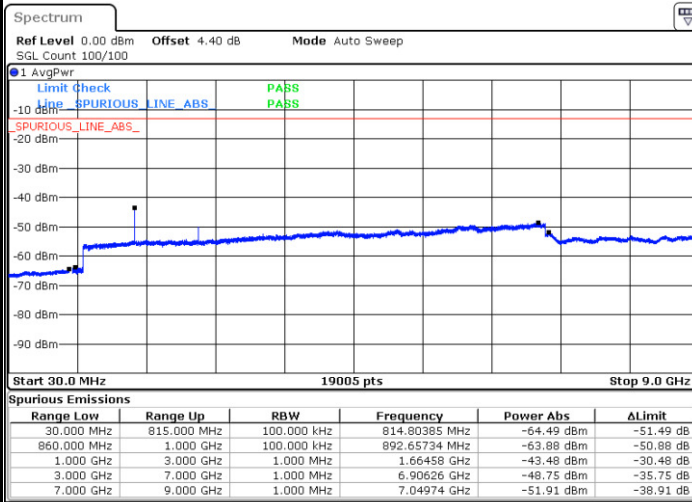


Date: 4 JAN 2018 16:26:30



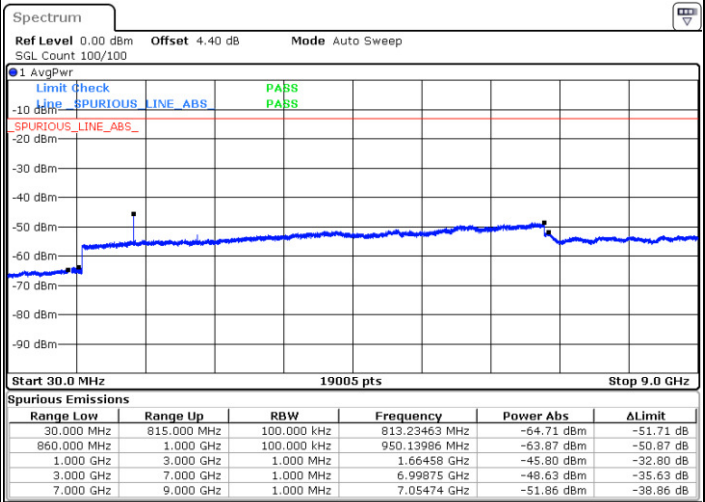
LTE Band 5 / 10MHz

Middle Channel / QPSK



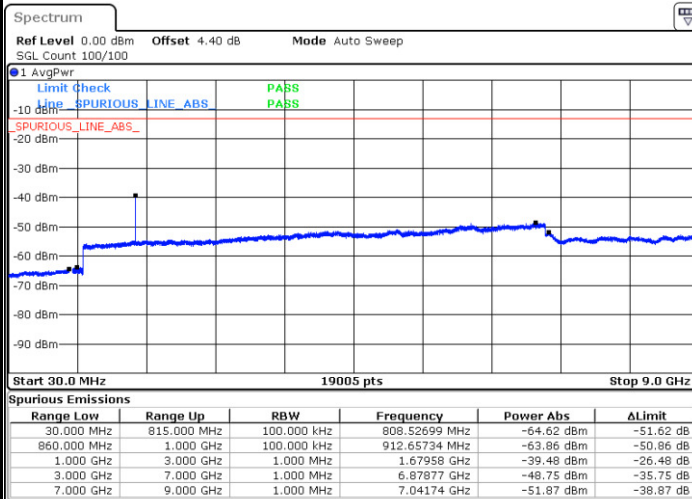
Date: 4 JAN 2018 16:27:32

Middle Channel / 16QAM



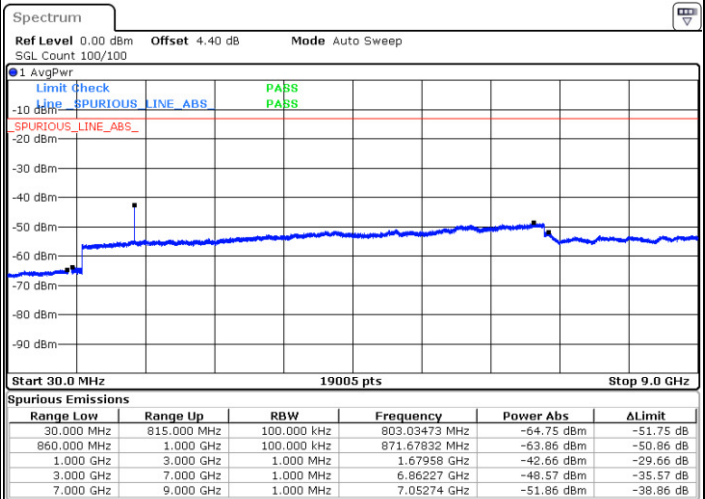
Date: 4 JAN 2018 16:27:06

Highest Channel / QPSK



Date: 4 JAN 2018 16:28:01

Highest Channel / 16QAM

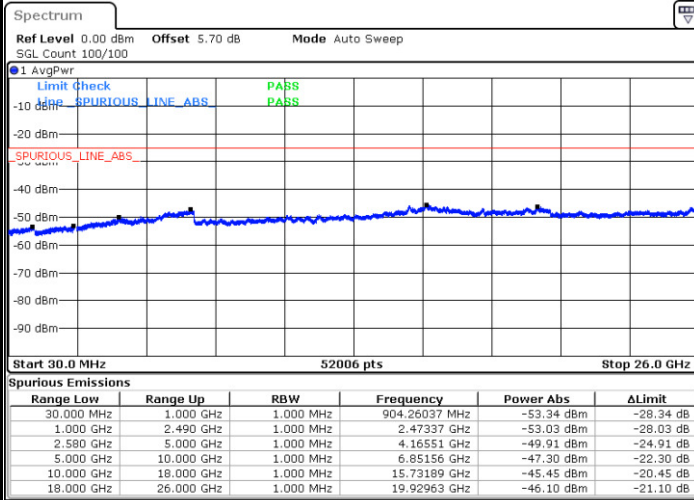


Date: 4 JAN 2018 16:28:37



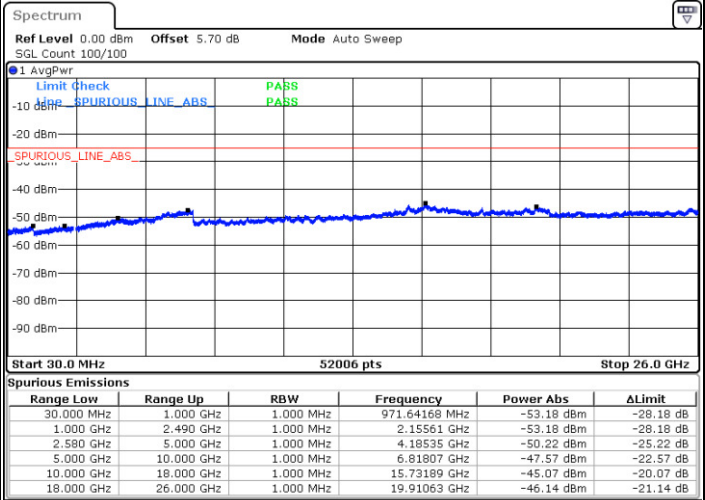
LTE Band 7 / 5MHz

Lowest Channel / QPSK



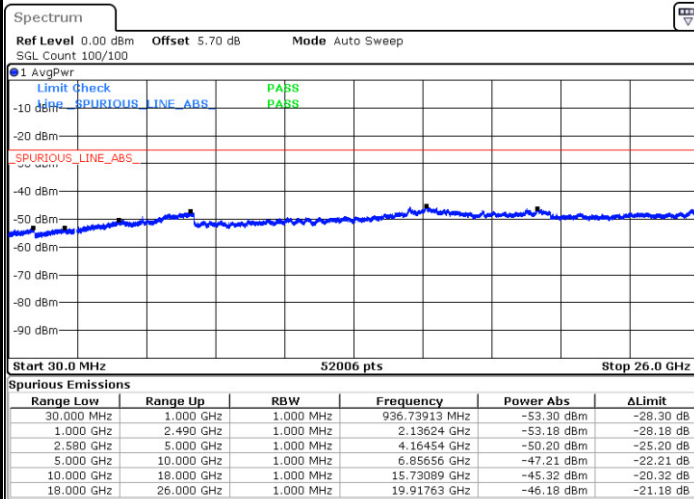
Date: 10 JAN 2018 09:44:00

Lowest Channel / 16QAM



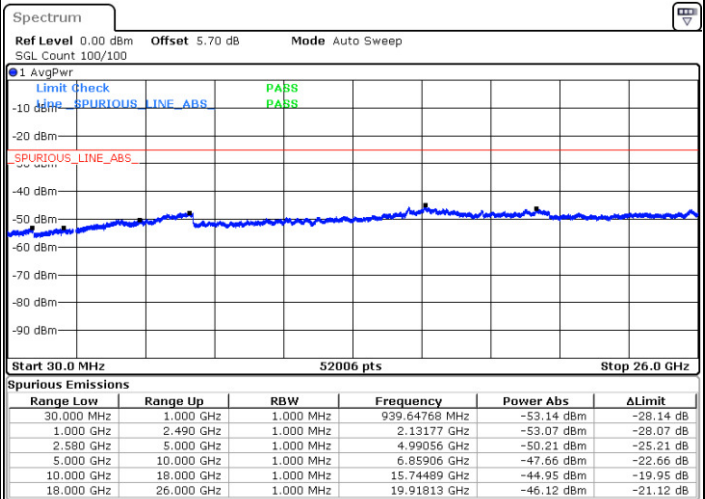
Date: 10 JAN 2018 09:43:05

Middle Channel / QPSK



Date: 10 JAN 2018 09:44:55

Middle Channel / 16QAM

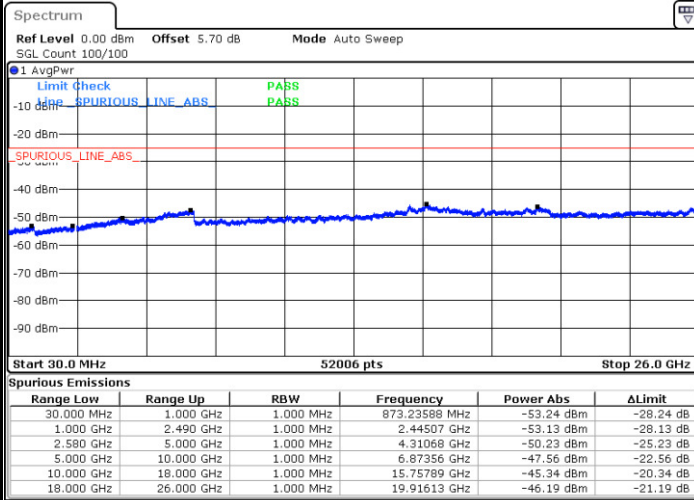


Date: 10 JAN 2018 09:49:15



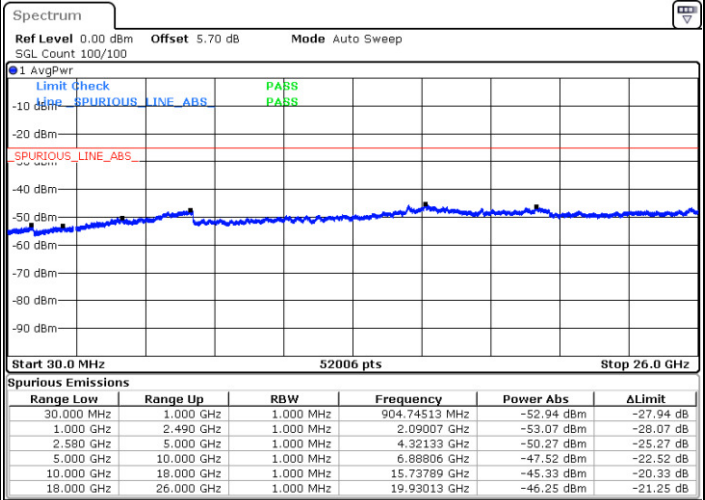
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 10 JAN 2018 09:57:04

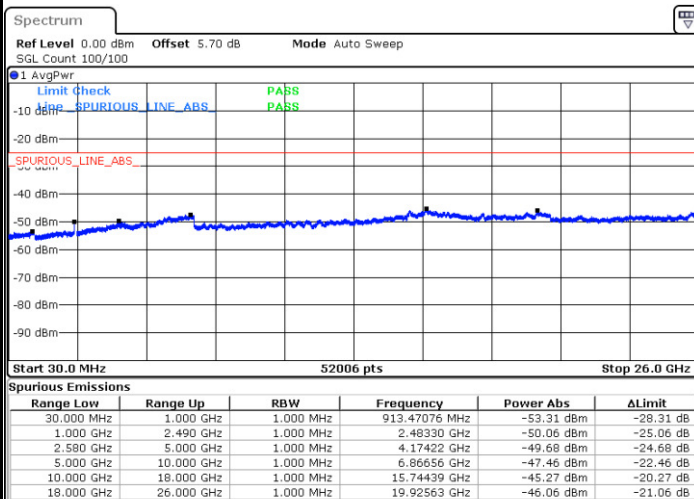
Highest Channel / 16QAM



Date: 10 JAN 2018 09:56:10

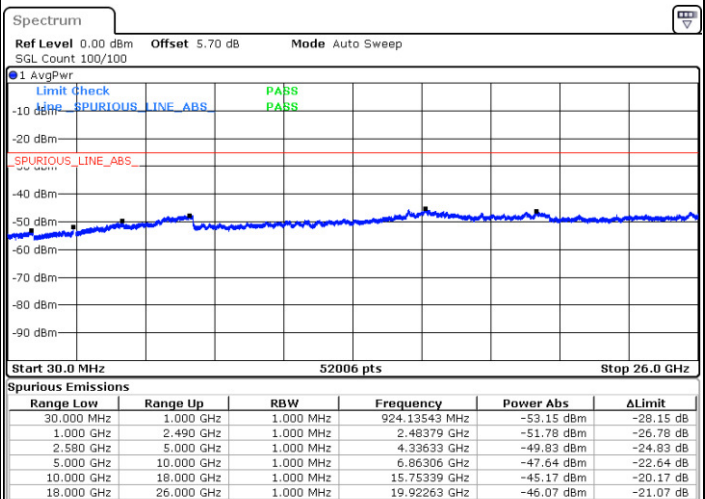
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 10 JAN 2018 10:04:09

Lowest Channel / 16QAM

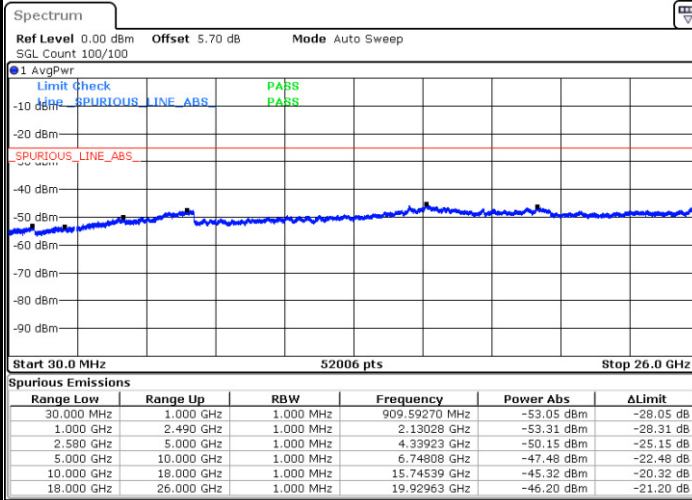


Date: 10 JAN 2018 10:03:14



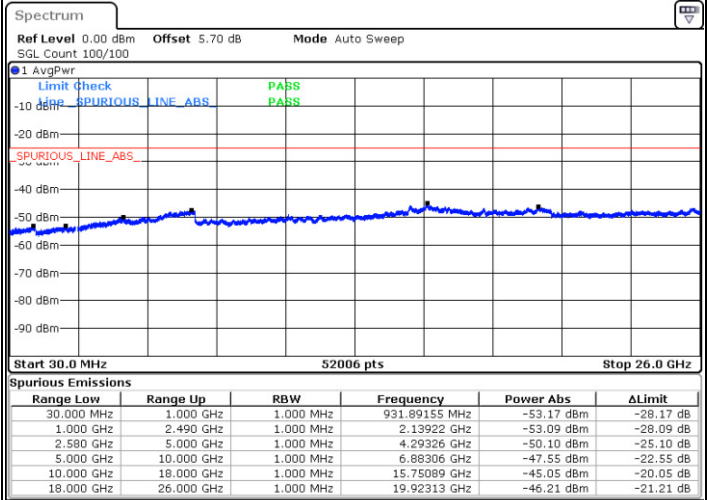
LTE Band 7 / 10MHz

Middle Channel / QPSK



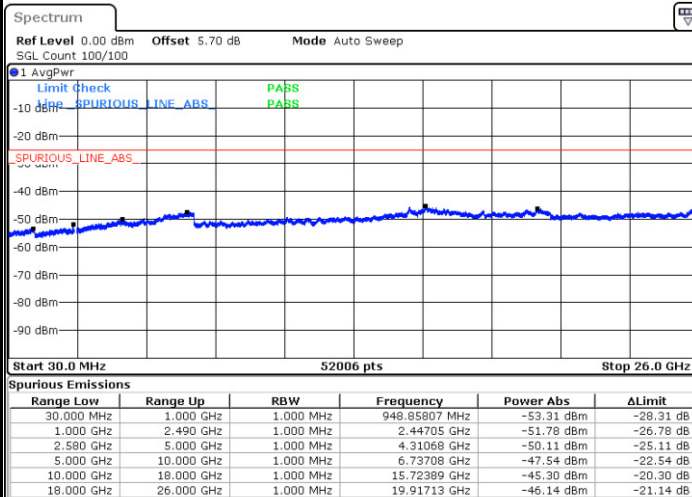
Date: 10 JAN 2018 10:05:04

Middle Channel / 16QAM



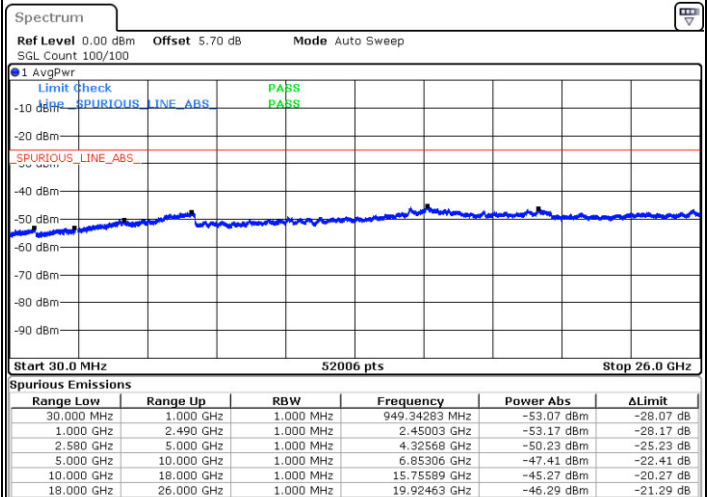
Date: 10 JAN 2018 10:05:58

Highest Channel / QPSK



Date: 10 JAN 2018 10:13:46

Highest Channel / 16QAM

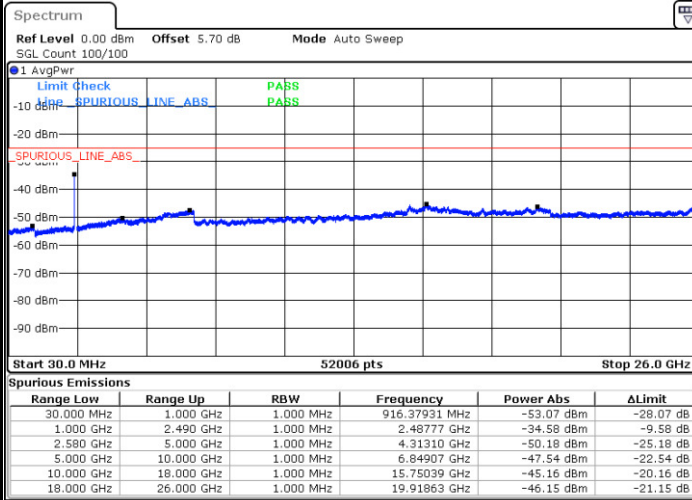


Date: 10 JAN 2018 10:12:52



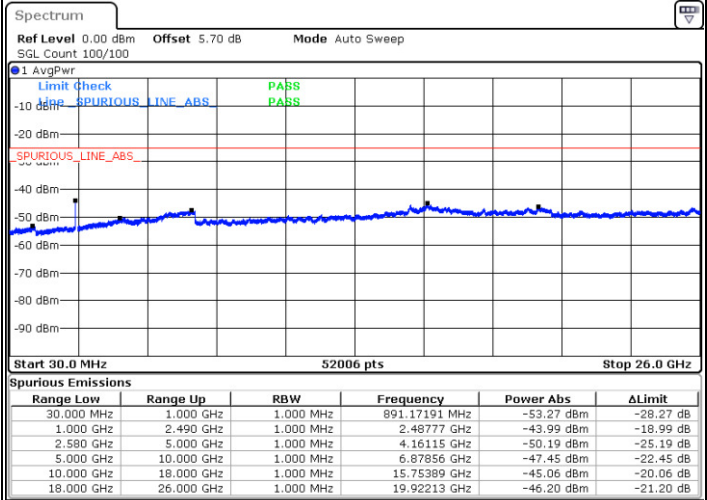
LTE Band 7 / 15MHz

Lowest Channel / QPSK



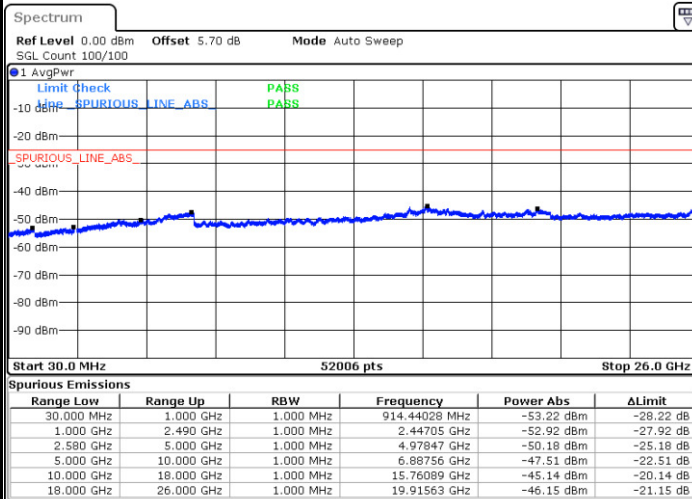
Date: 10 JAN 2018 10:20:51

Lowest Channel / 16QAM



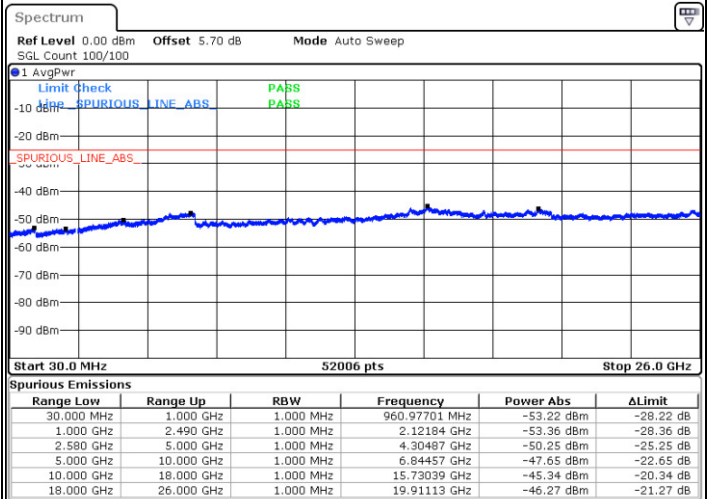
Date: 10 JAN 2018 10:19:57

Middle Channel / QPSK



Date: 10 JAN 2018 10:21:46

Middle Channel / 16QAM

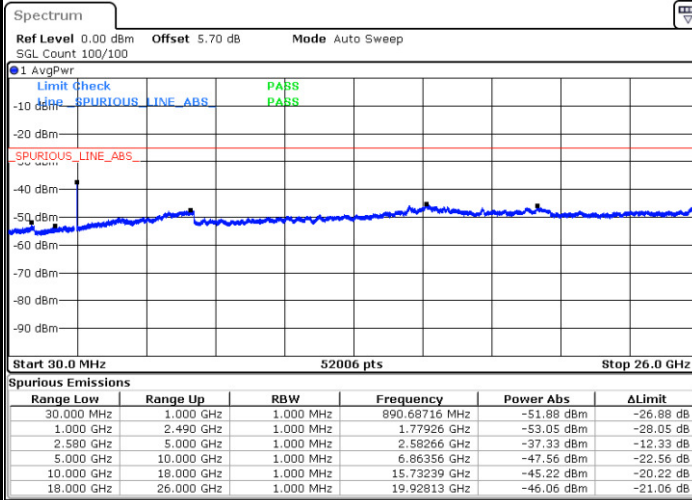


Date: 10 JAN 2018 10:22:40



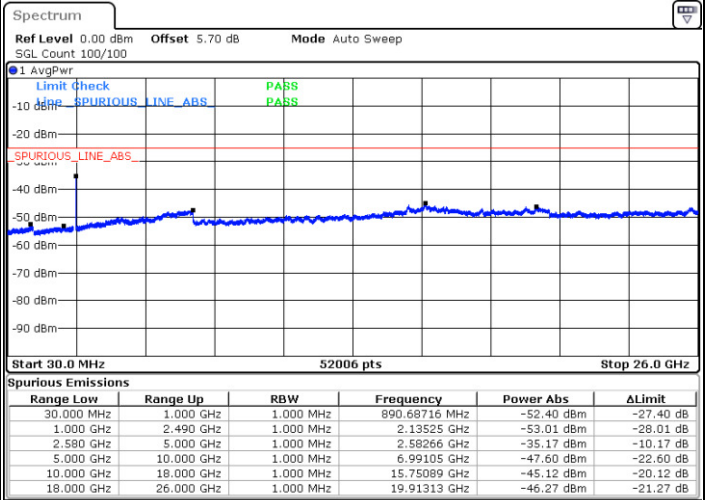
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 10 JAN 2018 10:30:28

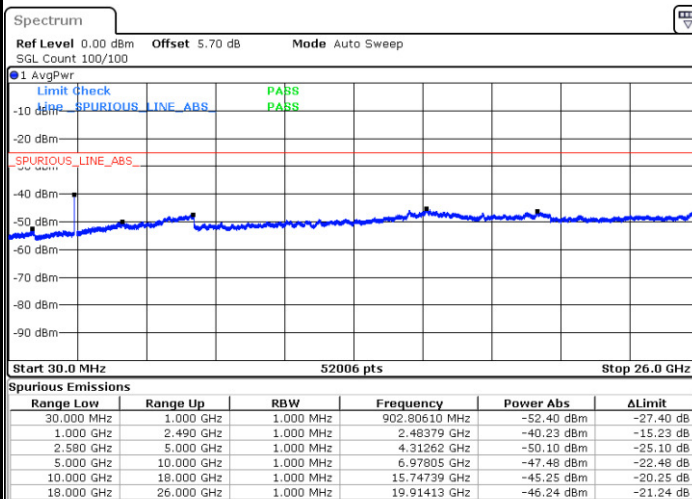
Highest Channel / 16QAM



Date: 10 JAN 2018 10:29:33

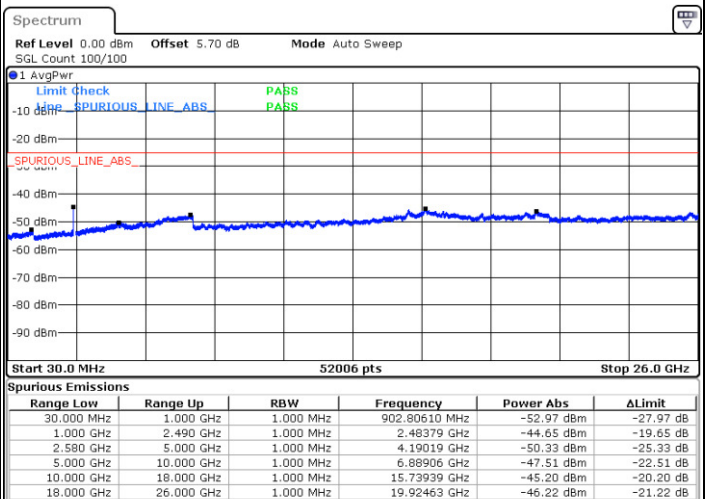
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 10 JAN 2018 10:37:33

Lowest Channel / 16QAM

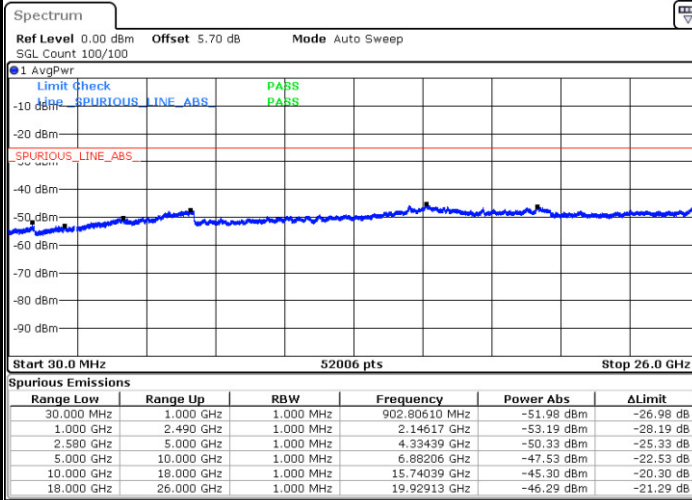


Date: 10 JAN 2018 10:36:38



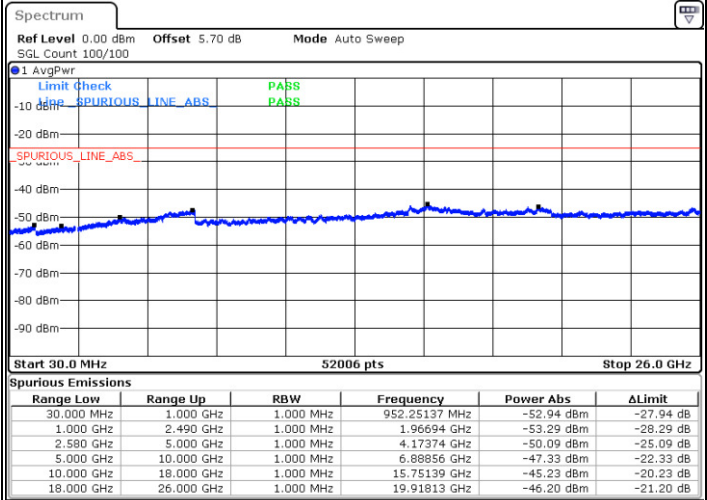
LTE Band 7 / 20MHz

Middle Channel / QPSK



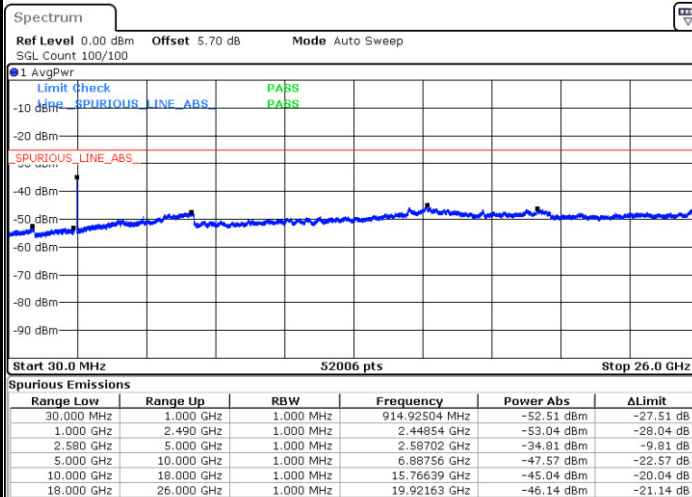
Date: 10 JAN 2018 10:38:27

Middle Channel / 16QAM



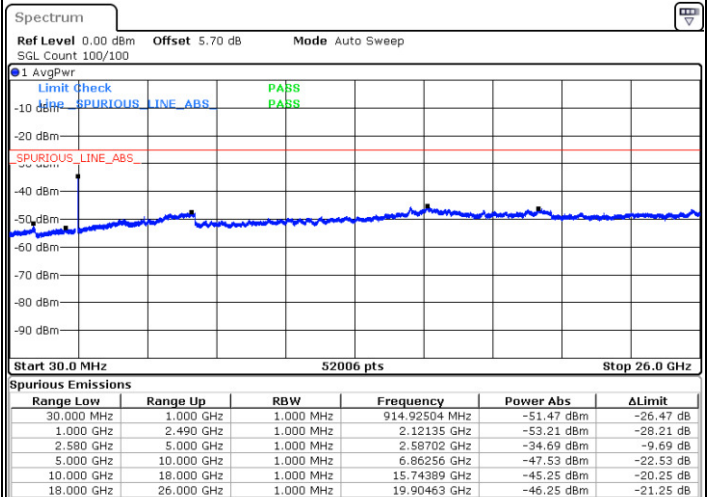
Date: 10 JAN 2018 10:39:22

Highest Channel / QPSK



Date: 10 JAN 2018 10:47:10

Highest Channel / 16QAM



Date: 10 JAN 2018 10:46:16

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	0.0027	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.35 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	0.0053	PASS
40	Normal Voltage	0.0039	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0037	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0027	
20	Battery End Point	0.0004	

Note: Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.35 V.



Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0010	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.35 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)
Lowest	3702	-40.71	-13	-27.71	-57.6	-52.5	0.72	12.52	H
	5550	-51.23	-13	-38.23	-72.85	-63.4	1.00	13.17	H
	7400	-52.70	-13	-39.70	-77.23	-62.1	1.18	10.58	H
	3702	-40.31	-13	-27.31	-58.17	-52.1	0.72	12.52	V
	5550	-53.33	-13	-40.33	-74.9	-65.5	1.00	13.17	V
	7400	-52.80	-13	-39.80	-77.47	-62.2	1.18	10.58	V
Middle	3762	-44.09	-13	-31.09	-61.04	-55.9	0.69	12.50	H
	5640	-50.57	-13	-37.57	-71.87	-62.7	0.98	13.12	H
	7520	-51.92	-13	-38.92	-76.61	-61.2	1.18	10.46	H
	3762	-42.99	-13	-29.99	-61.01	-54.8	0.69	12.50	V
	5640	-51.97	-13	-38.97	-73.69	-64.1	0.98	13.12	V
	7520	-51.62	-13	-38.62	-76.47	-60.9	1.18	10.46	V
Highest	3816	-44.41	-13	-31.41	-61.4	-56.2	0.69	12.47	H
	5724	-51.03	-13	-38.03	-72.72	-63.1	0.99	13.07	H
	7634	-51.11	-13	-38.11	-76.22	-60.7	1.18	10.78	H
	3816	-42.71	-13	-29.71	-60.91	-54.5	0.69	12.47	V
	5724	-52.33	-13	-39.33	-74.2	-64.4	0.99	13.07	V
	7634	-51.71	-13	-38.71	-76.18	-61.3	1.18	10.78	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)
Lowest	3702	-41.81	-13	-28.81	-58.32	-53.6	0.72	12.52	H
	5550	-51.43	-13	-38.43	-73.24	-63.6	1.00	13.17	H
	7400	-56.60	-13	-43.60	-77.38	-66	1.18	10.58	H
	3702	-40.81	-13	-27.81	-58.8	-52.6	0.72	12.52	V
	5550	-53.33	-13	-40.33	-75.25	-65.5	1.00	13.17	V
	7400	-52.30	-13	-39.30	-77.19	-61.7	1.18	10.58	V
Middle	3756	-45.16	-13	-32.16	-61.95	-56.96	0.69	12.50	H
	5634	-51.16	-13	-38.16	-72.67	-63.3	0.98	13.12	H
	7514	-52.44	-13	-39.44	-76.89	-61.7	1.18	10.44	H
	3756	-43.70	-13	-30.70	-61.78	-55.5	0.69	12.50	V
	5634	-52.96	-13	-39.96	-74.65	-65.1	0.98	13.12	V
	7514	-52.24	-13	-39.24	-76.8	-61.5	1.18	10.44	V
Highest	3816	-45.71	-13	-32.71	-62.62	-57.5	0.69	12.47	H
	5724	-52.53	-13	-39.53	-73.47	-64.6	0.99	13.07	H
	7628	-51.82	-13	-38.82	-76.57	-61.4	1.18	10.76	H
	3816	-43.71	-13	-30.71	-61.77	-55.5	0.69	12.47	V
	5724	-53.53	-13	-40.53	-75.32	-65.6	0.99	13.07	V
	7628	-52.02	-13	-39.02	-76.61	-61.6	1.18	10.76	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)
Lowest	3702	-41.31	-13	-28.31	-58.25	-53.1	0.72	12.52	H
	5550	-51.43	-13	-38.43	-73.22	-63.6	1.00	13.17	H
	7400	-52.40	-13	-39.40	-77.48	-61.8	1.18	10.58	H
	3702	-40.91	-13	-27.91	-58.94	-52.7	0.72	12.52	V
	5550	-54.13	-13	-41.13	-75.69	-66.3	1.00	13.17	V
	7400	-52.20	-13	-39.20	-77.24	-61.6	1.18	10.58	V
Middle	3756	-42.70	-13	-29.70	-61.69	-54.5	0.69	12.50	H
	5634	-50.56	-13	-37.56	-72.29	-62.7	0.98	13.12	H
	7510	-51.85	-13	-38.85	-76.54	-61.1	1.18	10.43	H
	3756	-43.30	-13	-30.30	-61.41	-55.1	0.69	12.50	V
	5634	-52.56	-13	-39.56	-74.4	-64.7	0.98	13.12	V
	7510	-51.95	-13	-38.95	-76.68	-61.2	1.18	10.43	V
Highest	3810	-45.40	-13	-32.40	-62.48	-57.2	0.68	12.48	H
	5718	-51.32	-13	-38.32	-72.76	-63.4	0.99	13.07	H
	7620	-51.35	-13	-38.35	-76.48	-60.9	1.18	10.74	H
	3810	-43.30	-13	-30.30	-61.52	-55.1	0.68	12.48	V
	5718	-53.52	-13	-40.52	-75.43	-65.6	0.99	13.07	V
	7620	-51.65	-13	-38.65	-76.59	-61.2	1.18	10.74	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)
Lowest	3702	-41.16	-13	-28.16	-58.15	-52.95	0.72	12.52	H
	5550	-50.31	-13	-37.31	-72.17	-62.48	1.00	13.17	H
	7404	-52.16	-13	-39.16	-77.27	-61.55	1.18	10.57	H
	3702	-40.37	-13	-27.37	-58.53	-52.16	0.72	12.52	V
	5550	-53.15	-13	-40.15	-75.1	-65.32	1.00	13.17	V
	7404	-52.12	-13	-39.12	-77.02	-61.51	1.18	10.57	V
Middle	3750	-44.10	-13	-31.10	-61.21	-55.9	0.70	12.50	H
	5628	-49.57	-13	-36.57	-71.31	-61.71	0.98	13.12	H
	7500	-51.03	-13	-38.03	-75.9	-60.25	1.18	10.40	H
	3750	-42.36	-13	-29.36	-60.66	-54.16	0.70	12.50	V
	5628	-51.81	-13	-38.81	-73.72	-63.95	0.98	13.12	V
	7500	-51.08	-13	-38.08	-76.09	-60.3	1.18	10.40	V
Highest	3804	-46.11	-13	-33.11	-63.34	-57.92	0.67	12.48	H
	5700	-50.29	-13	-37.29	-72.04	-62.38	0.99	13.08	H
	7600	-51.10	-13	-38.10	-76.21	-60.6	1.18	10.68	H
	3804	-44.63	-13	-31.63	-63.09	-56.44	0.67	12.48	V
	5700	-52.18	-13	-39.18	-74.13	-64.27	0.99	13.08	V
	7600	-51.49	-13	-38.49	-76.3	-60.99	1.18	10.68	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)
Lowest	3702	-41.14	-13	-28.14	-58.13	-52.93	0.72	12.52	H
	5550	-51.68	-13	-38.68	-73.54	-63.85	1.00	13.17	H
	7400	-52.29	-13	-39.29	-77.4	-61.69	1.18	10.58	H
	3702	-40.50	-13	-27.50	-58.66	-52.29	0.72	12.52	V
	5550	-53.03	-13	-40.03	-74.98	-65.2	1.00	13.17	V
	7400	-52.56	-13	-39.56	-77.46	-61.96	1.18	10.58	V
Middle	3744	-45.10	-13	-32.10	-62.21	-56.9	0.70	12.50	H
	5622	-49.25	-13	-36.25	-70.97	-61.4	0.98	13.13	H
	7496	-51.61	-13	-38.61	-76.51	-60.84	1.18	10.41	H
	3744	-42.80	-13	-29.80	-61.1	-54.6	0.70	12.50	V
	5622	-52.37	-13	-39.37	-74.26	-64.52	0.98	13.13	V
	7496	-51.41	-13	-38.41	-76.39	-60.64	1.18	10.41	V
Highest	3792	-44.77	-13	-31.77	-61.96	-56.58	0.67	12.48	H
	5688	-51.27	-13	-38.27	-73	-63.37	0.99	13.09	H
	7584	-51.48	-13	-38.48	-76.55	-60.93	1.18	10.64	H
	3792	-44.02	-13	-31.02	-62.43	-55.83	0.67	12.48	V
	5688	-53.11	-13	-40.11	-75.03	-65.21	0.99	13.09	V
	7584	-51.78	-13	-38.78	-76.64	-61.23	1.18	10.64	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)
Lowest	3702	-41.41	-13	-28.41	-58.34	-53.2	0.72	12.52	H
	5556	-52.03	-13	-39.03	-73.73	-64.2	1.00	13.17	H
	7400	-52.40	-13	-39.40	-77.12	-61.8	1.18	10.58	H
	3702	-40.41	-13	-27.41	-58.21	-52.2	0.72	12.52	V
	5556	-53.43	-13	-40.43	-75.59	-65.6	1.00	13.17	V
	7400	-52.80	-13	-39.80	-77.58	-62.2	1.18	10.58	V
Middle	3744	-43.98	-13	-30.98	-61.09	-55.78	0.70	12.50	H
	5616	-50.68	-13	-37.68	-72.41	-62.83	0.98	13.13	H
	7488	-51.34	-13	-38.34	-76.25	-60.58	1.18	10.42	H
	3744	-42.49	-13	-29.49	-60.79	-54.29	0.70	12.50	V
	5616	-52.77	-13	-39.77	-74.67	-64.92	0.98	13.13	V
	7488	-51.93	-13	-38.93	-76.92	-61.17	1.18	10.42	V
Highest	3780	-44.39	-13	-31.39	-61.35	-56.2	0.68	12.49	H
	5676	-51.69	-13	-38.69	-73.08	-63.8	0.99	13.09	H
	7560	-51.91	-13	-38.91	-76.67	-61.3	1.18	10.57	H
	3780	-43.79	-13	-30.79	-61.58	-55.6	0.68	12.49	V
	5676	-53.39	-13	-40.39	-74.84	-65.5	0.99	13.09	V
	7560	-52.11	-13	-39.11	-76.87	-61.5	1.18	10.57	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)
Lowest	1648	-52.15	-13	-39.15	-61.58	-59.1	0.53	9.63	H
	2472	-60.12	-13	-47.12	-73.6	-68.1	0.65	10.78	H
	3296	-59.12	-13	-46.12	-74.71	-68.2	0.76	11.99	H
	1648	-55.05	-13	-42.05	-64.38	-62	0.53	9.63	V
	2472	-59.62	-13	-46.62	-73.32	-67.6	0.65	10.78	V
	3296	-59.42	-13	-46.42	-74.82	-68.5	0.76	11.99	V
Middle	1672	-54.10	-13	-41.10	-63.34	-61.1	0.53	9.68	H
	2507	-60.90	-13	-47.90	-74.19	-68.9	0.66	10.80	H
	3343	-59.38	-13	-46.38	-74.62	-68.6	0.76	12.13	H
	1672	-54.90	-13	-41.90	-64.55	-61.9	0.53	9.68	V
	2507	-60.50	-13	-47.50	-74.26	-68.5	0.66	10.80	V
	3343	-59.28	-13	-46.28	-74.95	-68.5	0.76	12.13	V
Highest	1696	-51.05	-13	-38.05	-60.92	-58.1	0.53	9.73	H
	2543	-60.99	-13	-47.99	-73.59	-69	0.67	10.83	H
	3390	-59.05	-13	-46.05	-75.05	-68.4	0.77	12.27	H
	1696	-50.75	-13	-37.75	-60.09	-57.8	0.53	9.73	V
	2543	-60.39	-13	-47.39	-73.57	-68.4	0.67	10.83	V
	3390	-58.85	-13	-45.85	-74.69	-68.2	0.77	12.27	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)
Lowest	1648	-51.65	-13	-38.65	-61.4	-58.6	0.53	9.63	H
	2472	-61.32	-13	-48.32	-74.02	-69.3	0.65	10.78	H
	3296	-59.02	-13	-46.02	-74.94	-68.1	0.76	11.99	H
	1648	-53.55	-13	-40.55	-62.96	-60.5	0.53	9.63	V
	2472	-60.12	-13	-47.12	-73.95	-68.1	0.65	10.78	V
	3296	-59.02	-13	-46.02	-74.98	-68.1	0.76	11.99	V
Middle	1672	-53.80	-13	-40.80	-63.49	-60.8	0.53	9.68	H
	2505	-60.70	-13	-47.70	-74.09	-68.7	0.66	10.80	H
	3340	-58.89	-13	-45.89	-74.65	-68.1	0.76	12.12	H
	1672	-55.80	-13	-42.80	-65.05	-62.8	0.53	9.68	V
	2505	-60.20	-13	-47.20	-73.99	-68.2	0.66	10.80	V
	3340	-58.29	-13	-45.29	-74.7	-67.5	0.76	12.12	V
Highest	1696	-51.05	-13	-38.05	-60.73	-58.1	0.53	9.73	H
	2538	-60.51	-13	-47.51	-73.62	-68.52	0.66	10.82	H
	3384	-59.17	-13	-46.17	-75.11	-68.5	0.77	12.25	H
	1696	-52.15	-13	-39.15	-60.87	-59.2	0.53	9.73	V
	2538	-58.59	-13	-45.59	-71.95	-66.6	0.66	10.82	V
	3384	-59.37	-13	-46.37	-74.97	-68.7	0.77	12.25	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)
Lowest	1648	-52.65	-13	-39.65	-61.88	-59.6	0.53	9.63	H
	2472	-60.62	-13	-47.62	-73.92	-68.6	0.65	10.78	H
	3296	-59.02	-13	-46.02	-74.37	-68.1	0.76	11.99	H
	1648	-54.65	-13	-41.65	-63.91	-61.6	0.53	9.63	V
	2472	-59.92	-13	-46.92	-73.52	-67.9	0.65	10.78	V
	3296	-58.72	-13	-45.72	-74.73	-67.8	0.76	11.99	V
Middle	1672	-53.50	-13	-40.50	-63.42	-60.5	0.53	9.68	H
	2502	-60.20	-13	-47.20	-73.51	-68.2	0.66	10.80	H
	3336	-58.90	-13	-45.90	-74.89	-68.1	0.76	12.11	H
	1672	-55.50	-13	-42.50	-64.76	-62.5	0.53	9.68	V
	2502	-59.60	-13	-46.60	-73.05	-67.6	0.66	10.80	V
	3336	-59.10	-13	-46.10	-74.76	-68.3	0.76	12.11	V
Highest	1688	-50.57	-13	-37.57	-60.52	-57.6	0.53	9.71	H
	2536	-59.29	-13	-46.29	-72.29	-67.3	0.66	10.82	H
	3376	-58.89	-13	-45.89	-74.71	-68.2	0.77	12.23	H
	1688	-52.57	-13	-39.57	-62	-59.6	0.53	9.71	V
	2536	-56.49	-13	-43.49	-70.26	-64.5	0.66	10.82	V
	3376	-58.79	-13	-45.79	-74.57	-68.1	0.77	12.23	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)
Lowest	1648	-50.95	-13	-37.95	-60.86	-57.9	0.53	9.63	H
	2472	-56.02	-13	-43.02	-68.88	-64	0.65	10.78	H
	3296	-59.12	-13	-46.12	-74.87	-68.2	0.76	11.99	H
	1648	-53.55	-13	-40.55	-62.91	-60.5	0.53	9.63	V
	2472	-56.22	-13	-43.22	-70.06	-64.2	0.65	10.78	V
	3296	-58.52	-13	-45.52	-74.59	-67.6	0.76	11.99	V
Middle	1664	-52.22	-13	-39.22	-62.05	-59.2	0.53	9.66	H
	2496	-58.91	-13	-45.91	-72.16	-66.9	0.65	10.80	H
	3326	-58.63	-13	-45.63	-74.67	-67.8	0.76	12.08	H
	1664	-53.82	-13	-40.82	-63.46	-60.8	0.53	9.66	V
	2496	-58.21	-13	-45.21	-71.79	-66.2	0.65	10.80	V
	3326	-59.33	-13	-46.33	-75.06	-68.5	0.76	12.08	V
Highest	1680	-51.58	-13	-38.58	-61.63	-58.6	0.53	9.70	H
	2520	-55.10	-13	-42.10	-68.49	-63.1	0.66	10.81	H
	3356	-58.65	-13	-45.65	-74.75	-67.9	0.77	12.17	H
	1680	-54.28	-13	-41.28	-64.08	-61.3	0.53	9.70	V
	2520	-49.60	-13	-36.60	-63.07	-57.6	0.66	10.81	V
	3356	-58.85	-13	-45.85	-74.73	-68.1	0.77	12.17	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)
Lowest	4998	-52.42	-25	-27.42	-72.99	-63.69	0.93	12.20	H
	7497	-52.21	-25	-27.21	-77.08	-61.44	1.18	10.41	H
	9996	-46.25	-25	-21.25	-77.29	-56.59	1.40	11.73	H
	4998	-55.24	-25	-30.24	-75.98	-66.51	0.93	12.20	V
	7497	-51.74	-25	-26.74	-76.75	-60.97	1.18	10.41	V
	9996	-46.61	-25	-21.61	-77.32	-56.95	1.40	11.73	V
Middle	5064	-51.44	-25	-26.44	-72.01	-62.81	0.95	12.33	H
	7596	-50.74	-25	-25.74	-75.85	-60.23	1.18	10.67	H
	10128	-45.19	-25	-20.19	-76.19	-55.67	1.38	11.86	H
	5064	-54.68	-25	-29.68	-75.42	-66.05	0.95	12.33	V
	7596	-50.61	-25	-25.61	-75.42	-60.1	1.18	10.67	V
	10128	-45.62	-25	-20.62	-76.34	-56.1	1.38	11.86	V
Highest	5130	-52.07	-25	-27.07	-72.77	-63.56	0.97	12.46	H
	7695	-50.89	-25	-25.89	-76.21	-60.65	1.19	10.95	H
	10260	-45.32	-25	-20.32	-76.27	-55.53	1.39	11.61	H
	5130	-55.01	-25	-30.01	-75.88	-66.5	0.97	12.46	V
	7695	-50.75	-25	-25.75	-75.94	-60.51	1.19	10.95	V
	10260	-45.78	-25	-20.78	-76.51	-55.99	1.39	11.61	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)
Lowest	5004	-53.03	-25	-28.03	-73.51	-64.3	0.94	12.21	H
	7506	-52.31	-25	-27.31	-77.18	-61.55	1.18	10.42	H
	10008	-46.21	-25	-21.21	-77.26	-56.93	1.37	12.08	H
	5004	-54.63	-25	-29.63	-75.29	-65.9	0.94	12.21	V
	7506	-52.03	-25	-27.03	-77.04	-61.27	1.18	10.42	V
	10008	-46.83	-25	-21.83	-77.55	-57.55	1.37	12.08	V
Middle	5064	-52.89	-25	-27.89	-73.46	-64.26	0.95	12.33	H
	7596	-51.68	-25	-26.68	-76.79	-61.17	1.18	10.67	H
	10134	-45.81	-25	-20.81	-76.81	-56.28	1.38	11.85	H
	5064	-54.06	-25	-29.06	-74.8	-65.43	0.95	12.33	V
	7596	-51.93	-25	-26.93	-76.74	-61.42	1.18	10.67	V
	10134	-46.01	-25	-21.01	-76.73	-56.48	1.38	11.85	V
Highest	5124	-51.60	-25	-26.60	-72.27	-63.08	0.97	12.45	H
	7680	-51.30	-25	-26.30	-76.58	-61.02	1.19	10.90	H
	10242	-45.58	-25	-20.58	-76.54	-55.83	1.39	11.64	H
	5124	-54.51	-25	-29.51	-75.35	-65.99	0.97	12.45	V
	7680	-50.60	-25	-25.60	-75.72	-60.32	1.19	10.90	V
	10242	-45.92	-25	-20.92	-76.65	-56.17	1.39	11.64	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)
Lowest	5004	-53.66	-25	-28.66	-74.14	-64.93	0.94	12.21	H
	7506	-52.05	-25	-27.05	-76.92	-61.29	1.18	10.42	H
	10008	-46.10	-25	-21.10	-77.15	-56.82	1.37	12.08	H
	5004	-55.13	-25	-30.13	-75.79	-66.4	0.94	12.21	V
	7506	-51.54	-25	-26.54	-76.55	-60.78	1.18	10.42	V
	10008	-46.84	-25	-21.84	-77.56	-57.56	1.37	12.08	V
Middle	5058	-52.76	-25	-27.76	-73.33	-64.12	0.95	12.32	H
	7587	-51.36	-25	-26.36	-76.48	-60.82	1.18	10.64	H
	10116	-45.80	-25	-20.80	-76.81	-56.3	1.38	11.88	H
	5058	-54.46	-25	-29.46	-75.2	-65.82	0.95	12.32	V
	7587	-51.74	-25	-26.74	-76.56	-61.2	1.18	10.64	V
	10116	-46.06	-25	-21.06	-76.78	-56.56	1.38	11.88	V
Highest	5112	-53.01	-25	-28.01	-73.67	-64.47	0.97	12.42	H
	7668	-51.39	-25	-26.39	-76.63	-61.08	1.19	10.87	H
	10224	-45.57	-25	-20.57	-76.54	-55.86	1.39	11.67	H
	5112	-54.85	-25	-29.85	-75.68	-66.31	0.97	12.42	V
	7668	-50.59	-25	-25.59	-75.64	-60.28	1.19	10.87	V
	10224	-45.47	-25	-20.47	-76.2	-55.76	1.39	11.67	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)
Lowest	5004	-53.80	-25	-28.80	-74.28	-65.07	0.94	12.21	H
	7506	-52.09	-25	-27.09	-76.96	-61.33	1.18	10.42	H
	10008	-46.23	-25	-21.23	-77.28	-56.95	1.37	12.08	H
	5004	-55.35	-25	-30.35	-76.01	-66.62	0.94	12.21	V
	7506	-51.84	-25	-26.84	-76.85	-61.08	1.18	10.42	V
	10008	-46.34	-25	-21.34	-77.06	-57.06	1.37	12.08	V
Middle	5052	-53.25	-25	-28.25	-73.79	-64.6	0.95	12.30	H
	7578	-51.12	-25	-26.12	-76.18	-60.56	1.18	10.62	H
	10104	-45.88	-25	-20.88	-76.89	-56.41	1.38	11.90	H
	5052	-55.10	-25	-30.10	-75.82	-66.45	0.95	12.30	V
	7578	-51.85	-25	-26.85	-76.7	-61.29	1.18	10.62	V
	10104	-46.44	-25	-21.44	-77.16	-56.97	1.38	11.90	V
Highest	5100	-53.16	-25	-28.16	-73.79	-64.6	0.96	12.40	H
	7650	-51.08	-25	-26.08	-76.29	-60.72	1.18	10.82	H
	10200	-45.43	-25	-20.43	-76.41	-55.76	1.39	11.72	H
	5100	-55.18	-25	-30.18	-75.98	-66.62	0.96	12.40	V
	7650	-51.06	-25	-26.06	-76.05	-60.7	1.18	10.82	V
	10200	-46.06	-25	-21.06	-76.79	-56.39	1.39	11.72	V

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