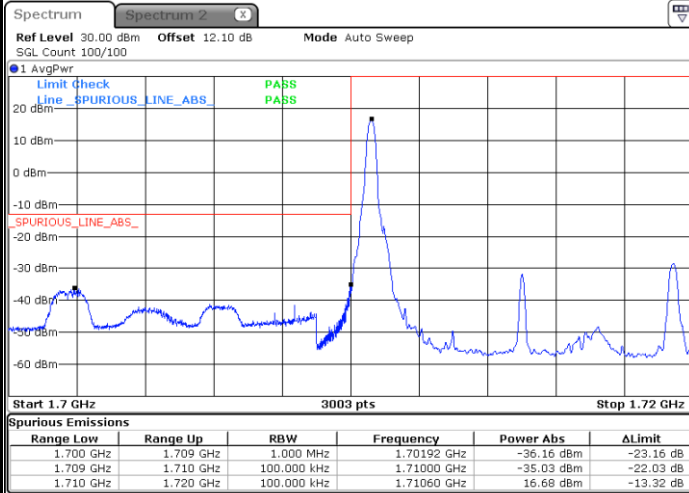


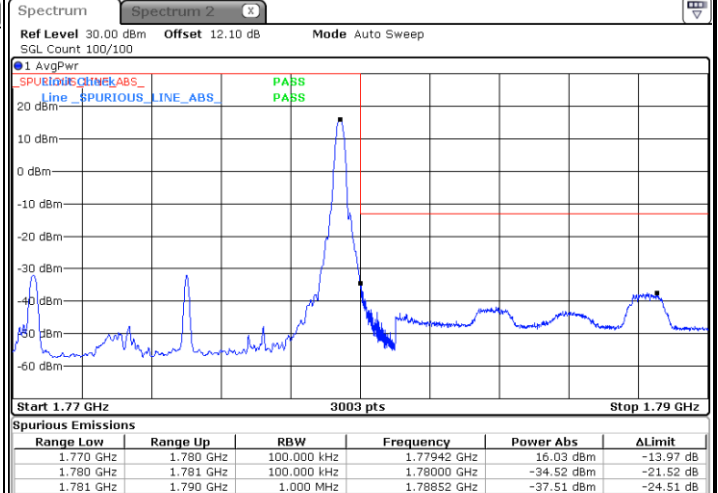


LTE Band 66 / 10MHz / 16QAM

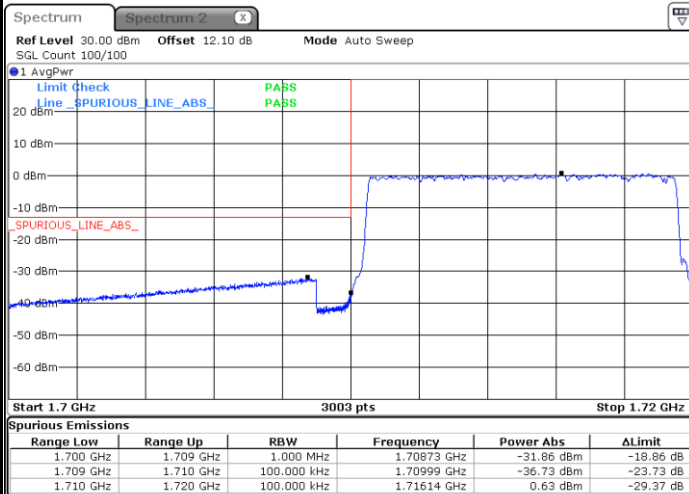
Lowest Band Edge / 1 RB



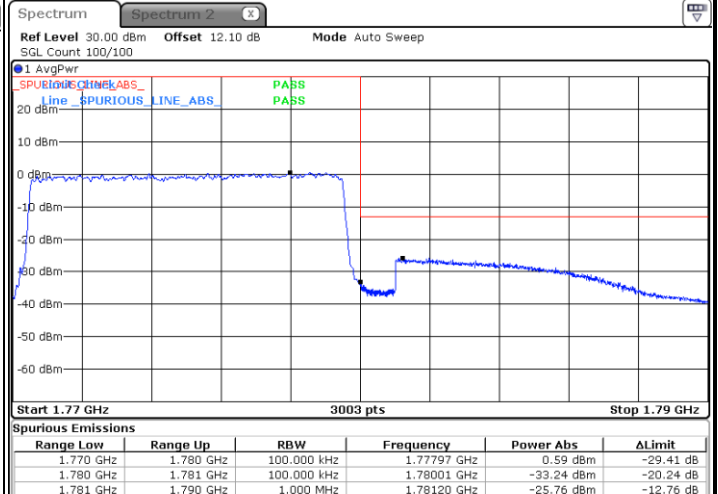
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



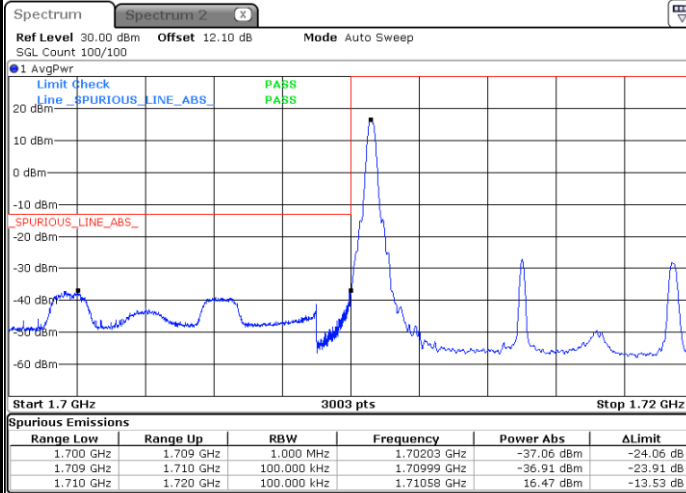
Highest Band Edge / Full RB



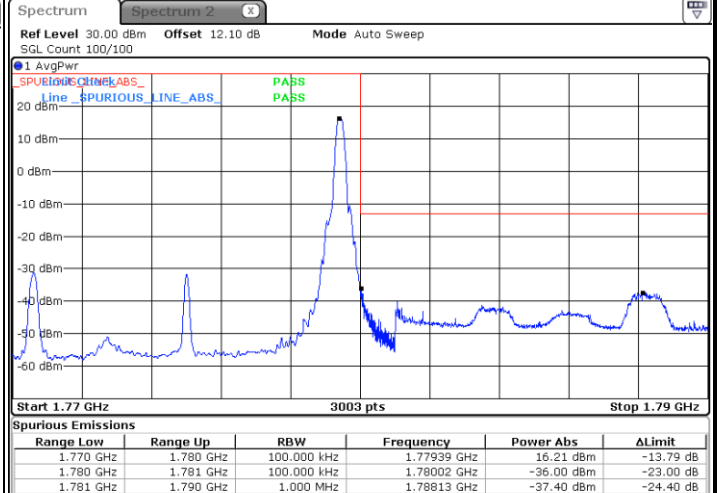


LTE Band 66 / 10MHz / 64QAM

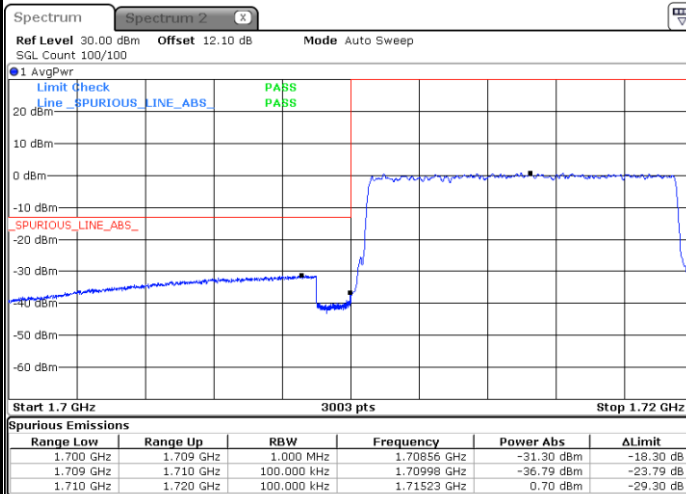
Lowest Band Edge / 1 RB



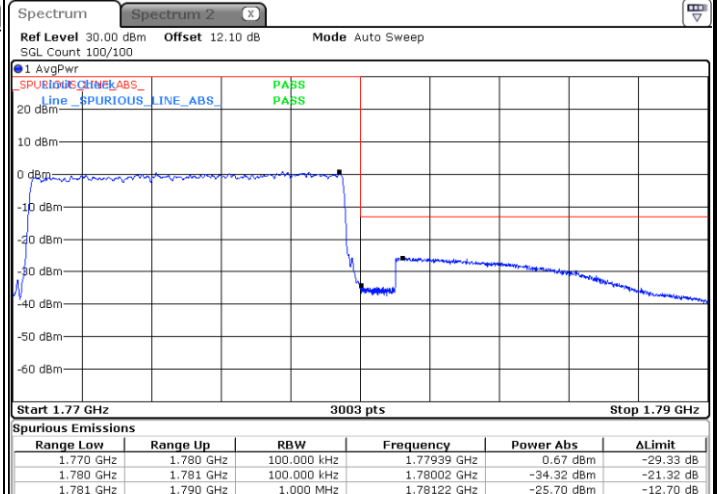
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



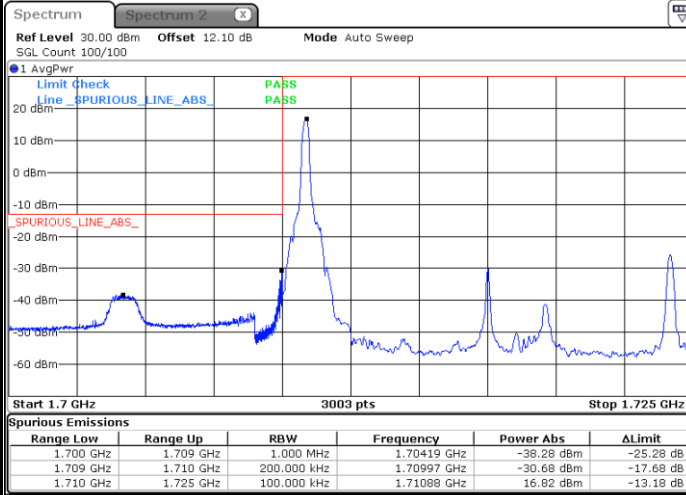
Highest Band Edge / Full RB



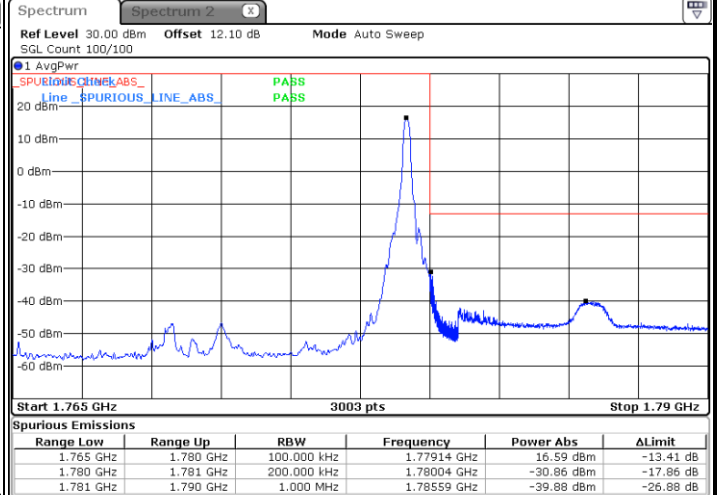


LTE Band 66 / 15MHz / QPSK

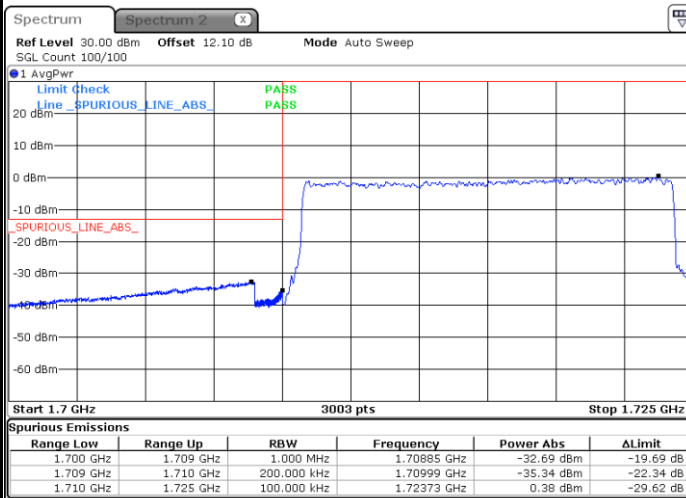
Lowest Band Edge / 1 RB



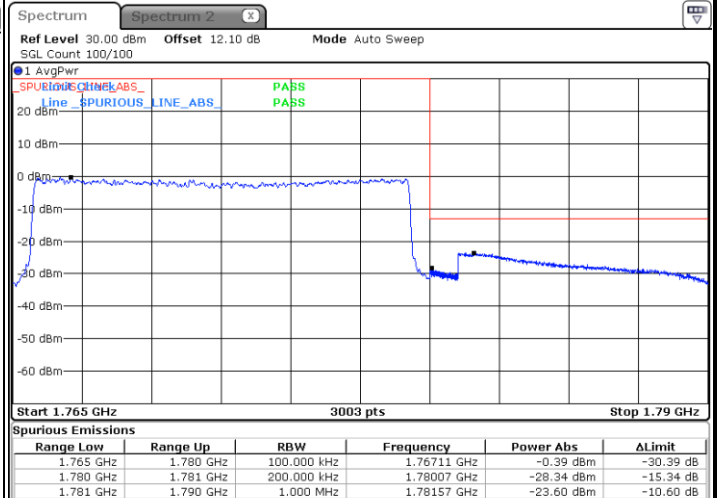
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



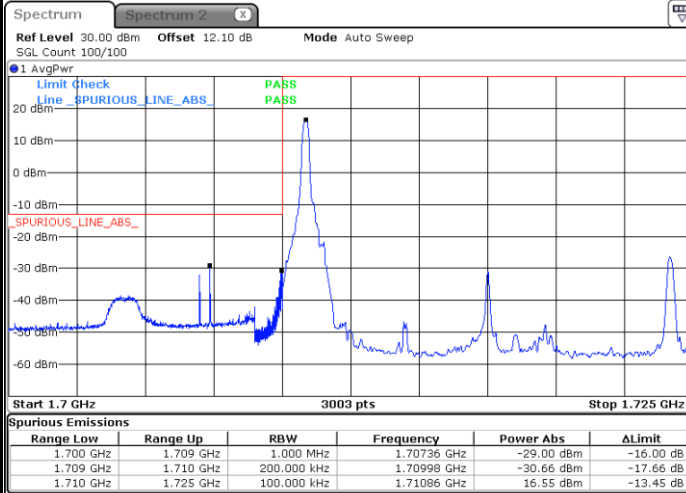
Highest Band Edge / Full RB





LTE Band 66 / 15MHz / 16QAM

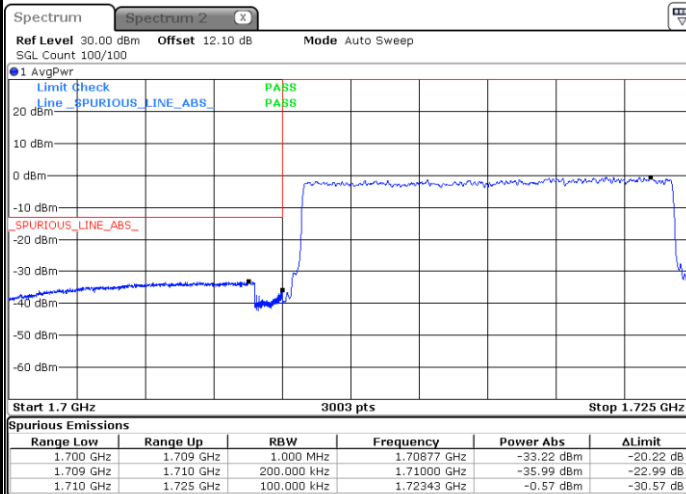
Lowest Band Edge / 1 RB



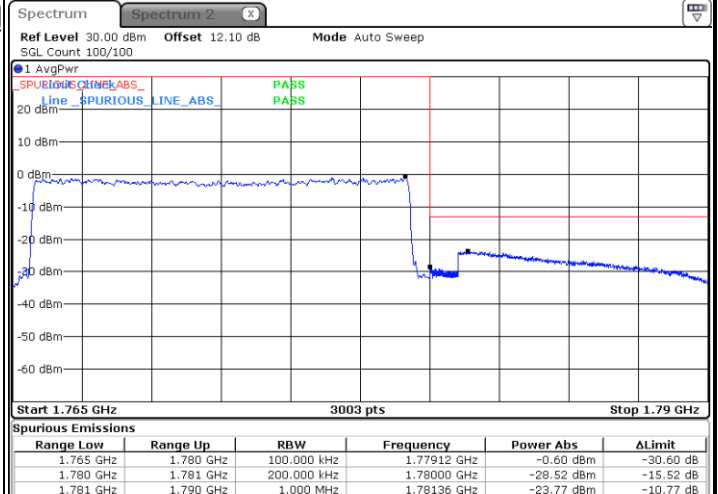
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



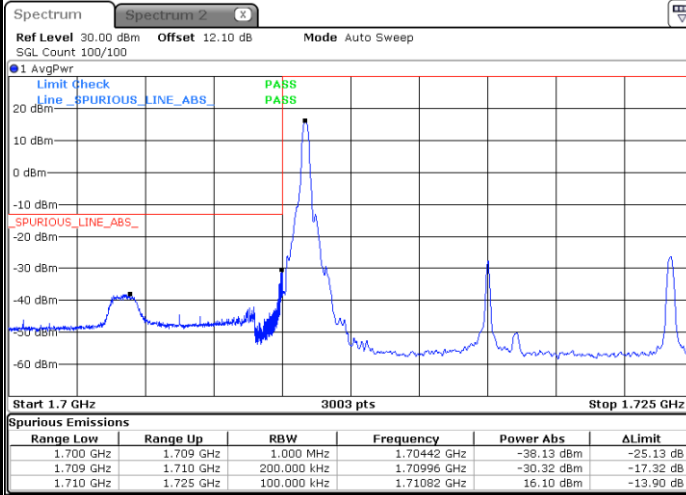
Highest Band Edge / Full RB



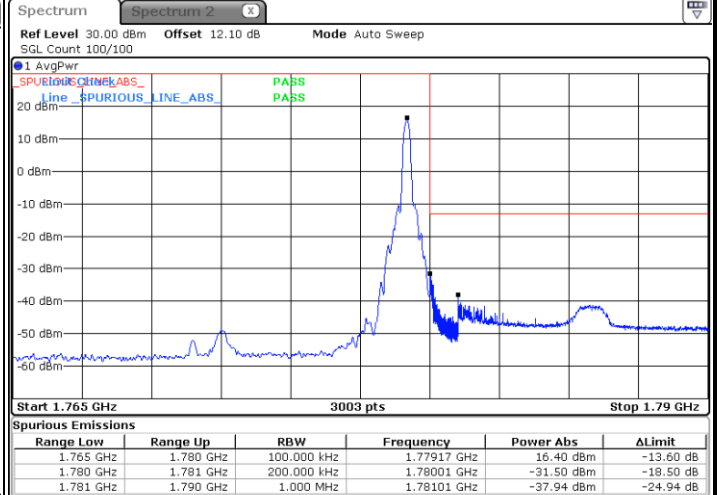


LTE Band 66 / 15MHz / 64QAM

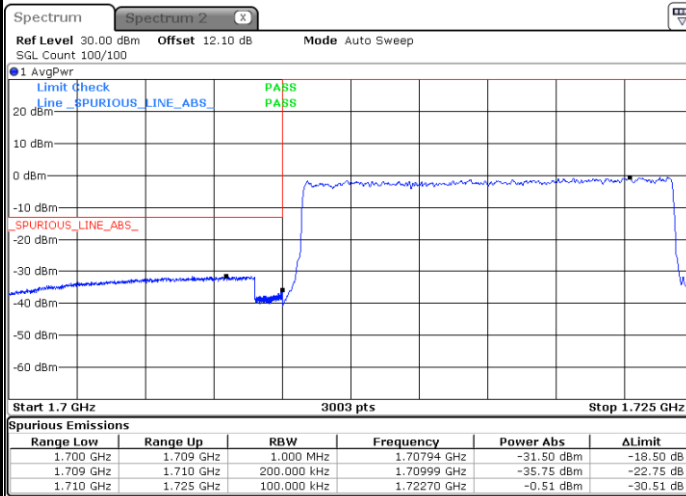
Lowest Band Edge / 1 RB



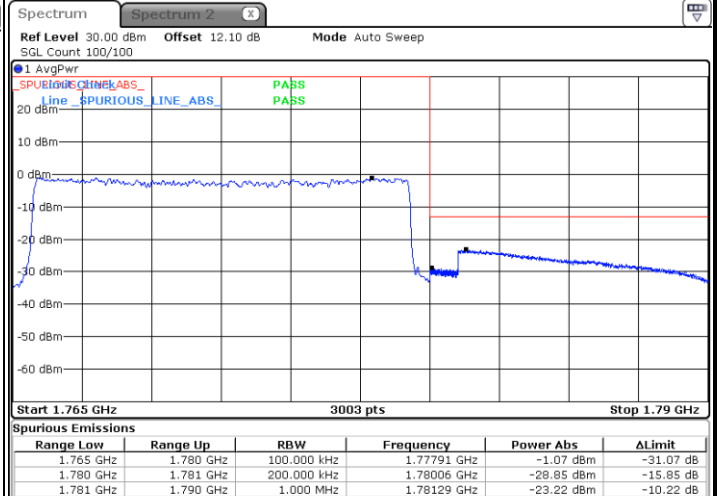
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



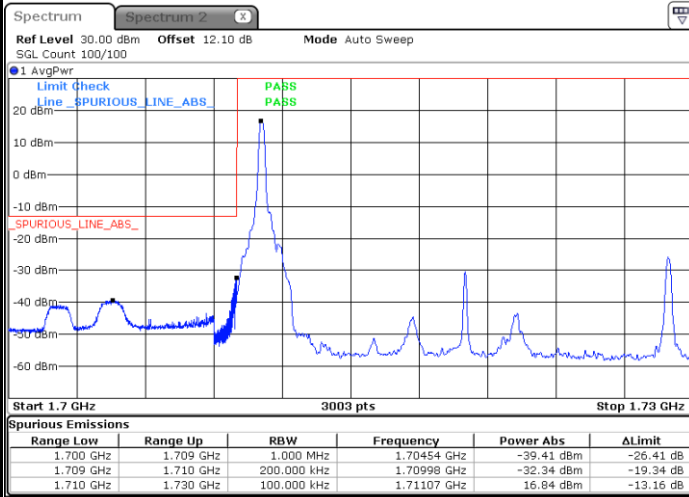
Highest Band Edge / Full RB



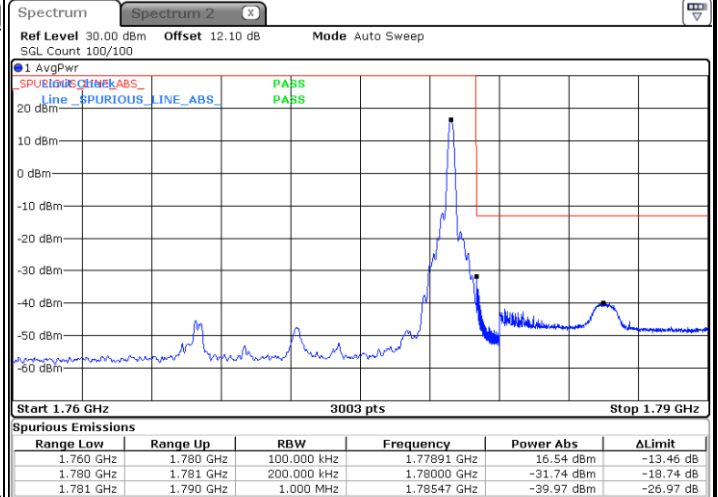


LTE Band 66 / 20MHz / QPSK

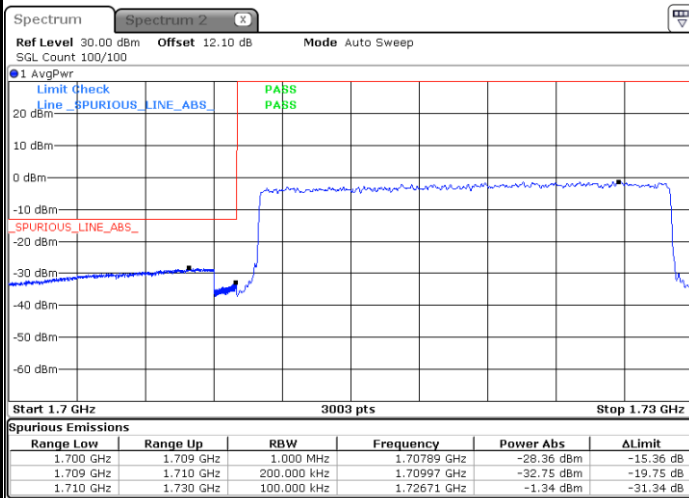
Lowest Band Edge / 1 RB



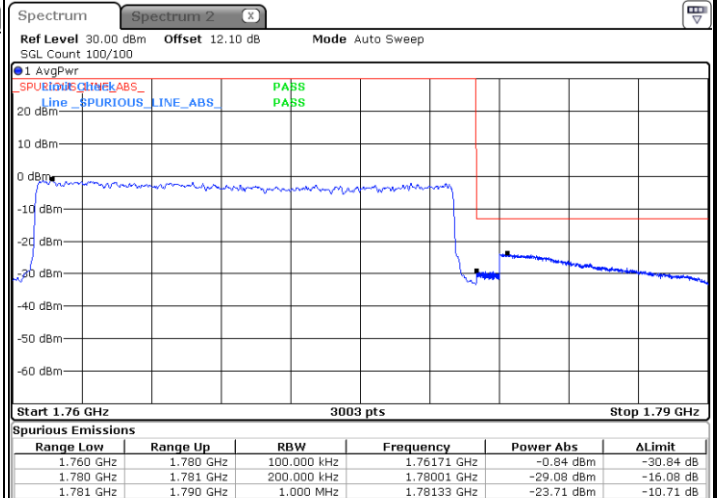
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



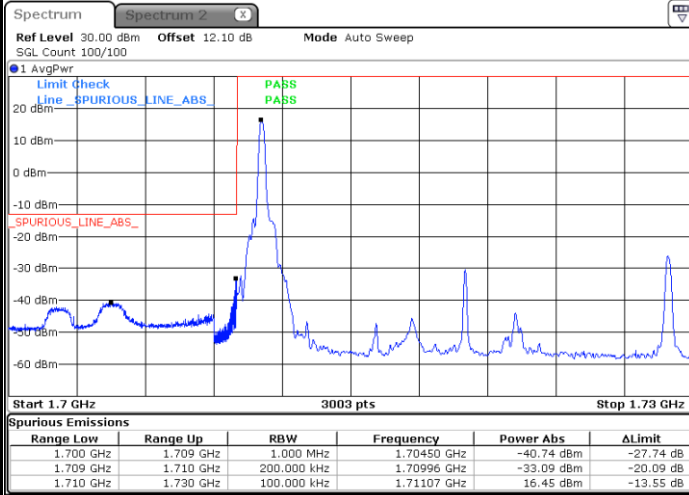
Highest Band Edge / Full RB



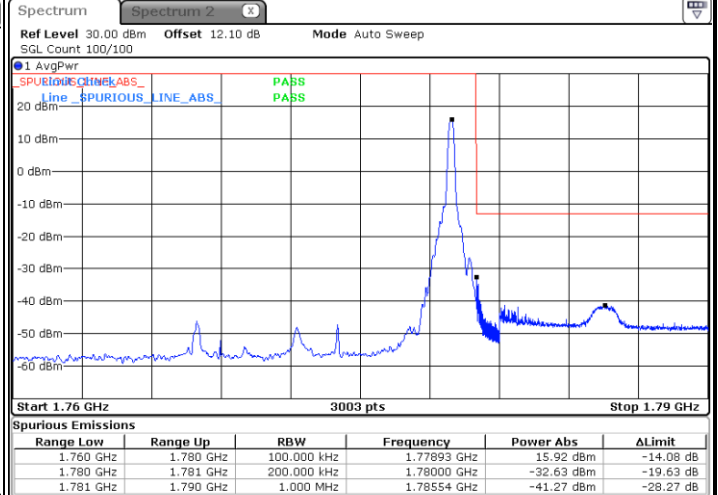


LTE Band 66 / 20MHz / 16QAM

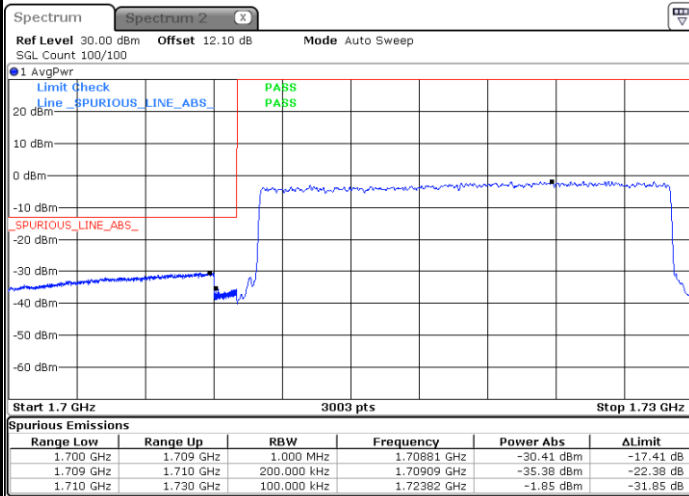
Lowest Band Edge / 1 RB



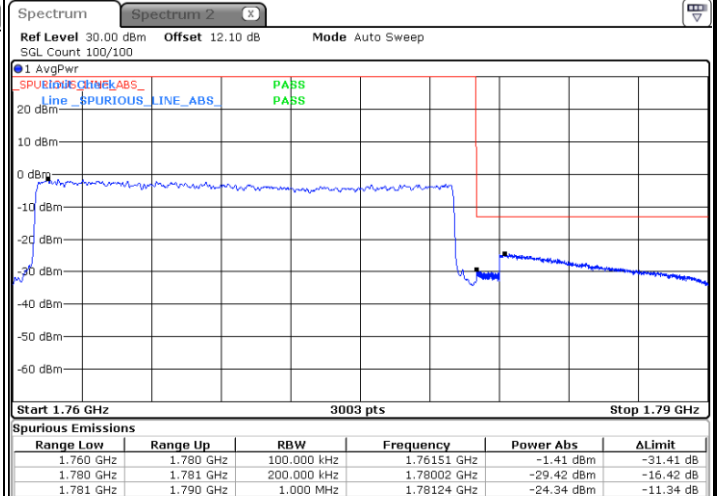
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



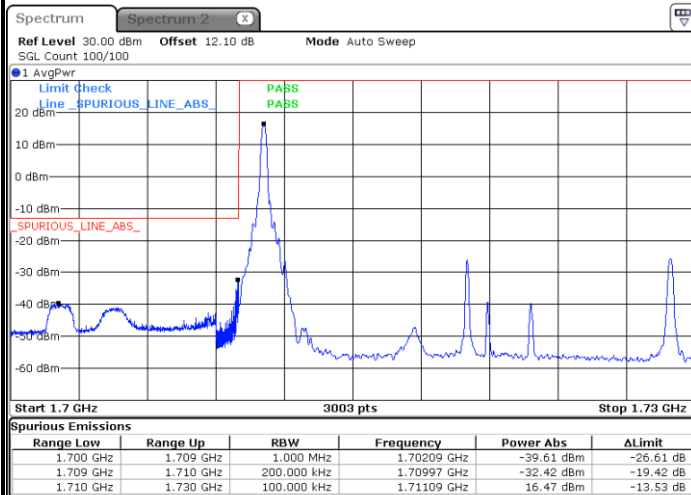
Highest Band Edge / Full RB



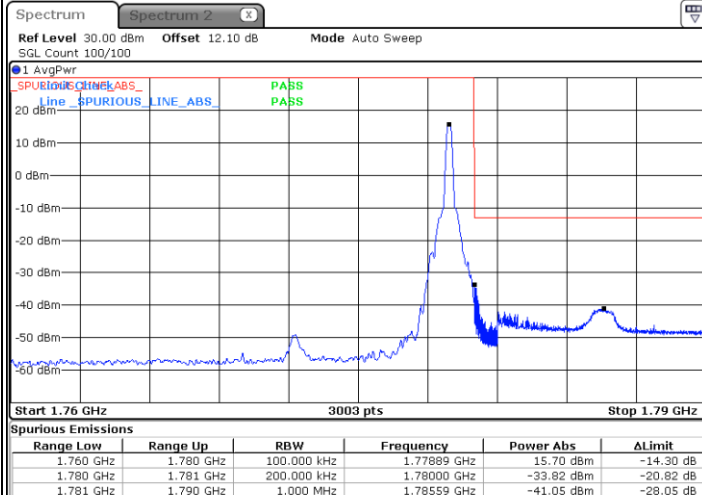


LTE Band 66 / 20MHz / 64QAM

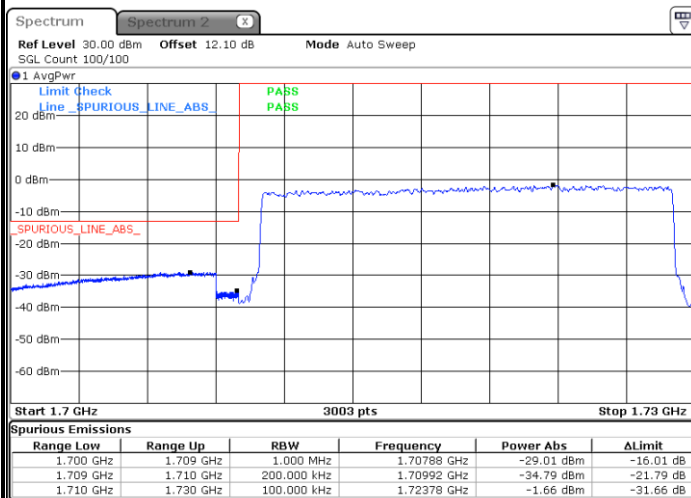
Lowest Band Edge / 1 RB



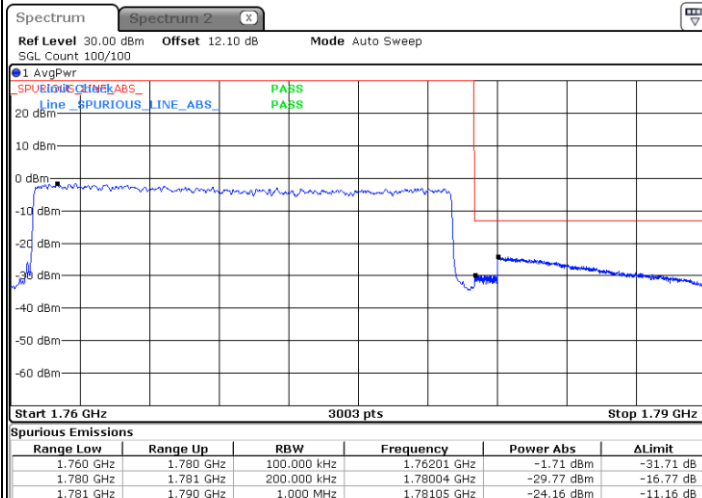
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

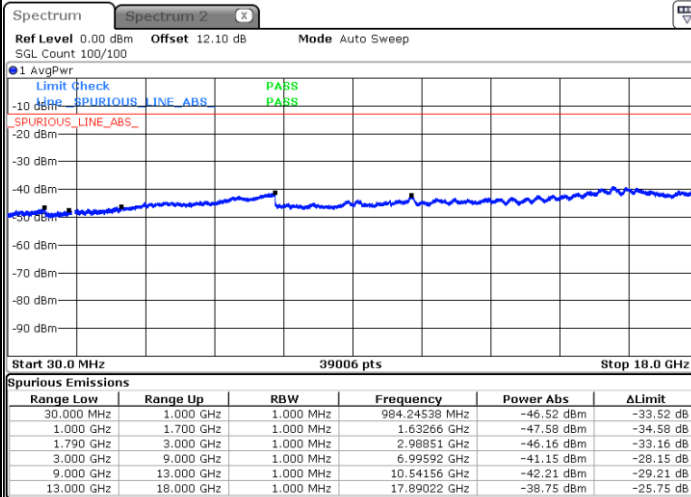




Conducted Spurious Emission

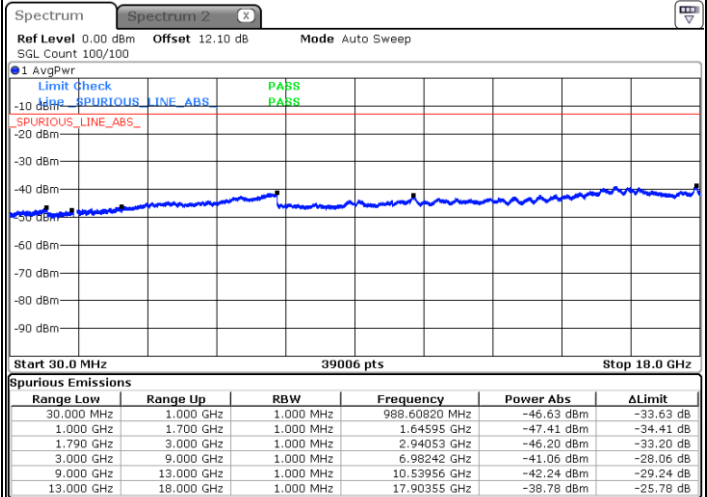
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



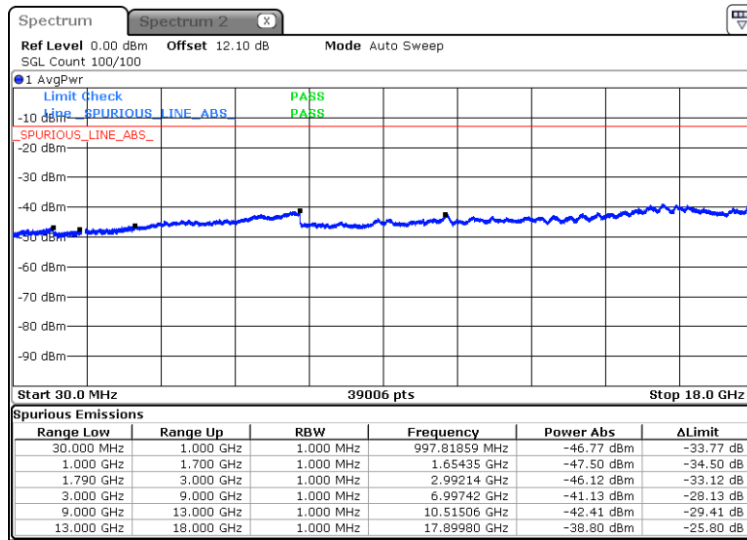
Date: 7 APR 2021 00:49:45

Middle Channel / QPSK



Date: 7 APR 2021 00:52:18

Highest Channel / QPSK

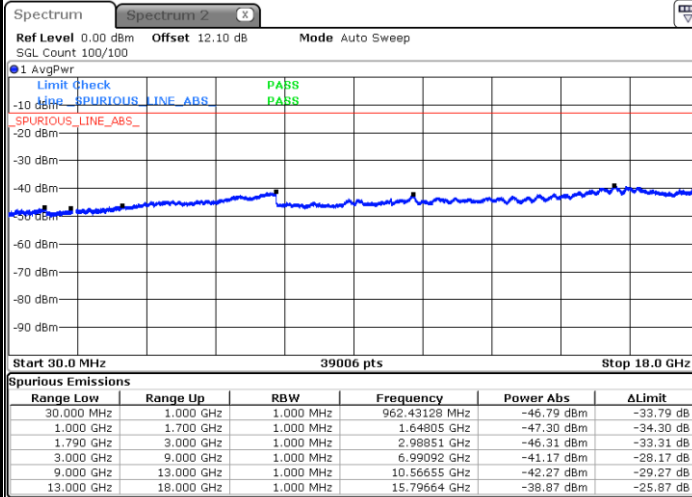


Date: 7 APR 2021 00:56:13



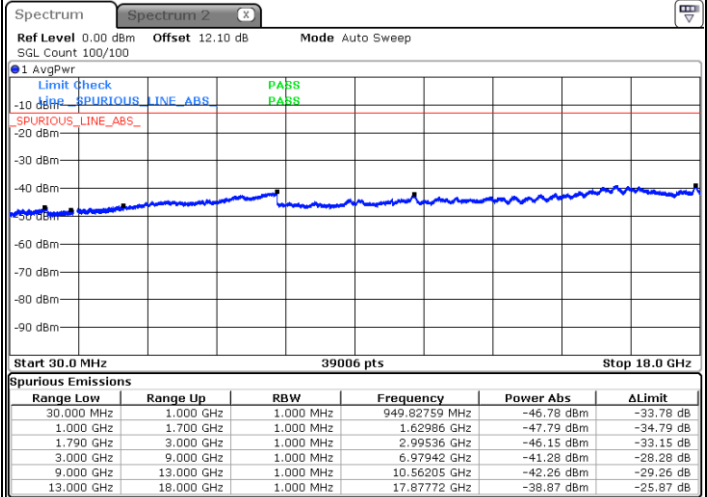
LTE Band 66 / 3MHz

Lowest Channel / QPSK



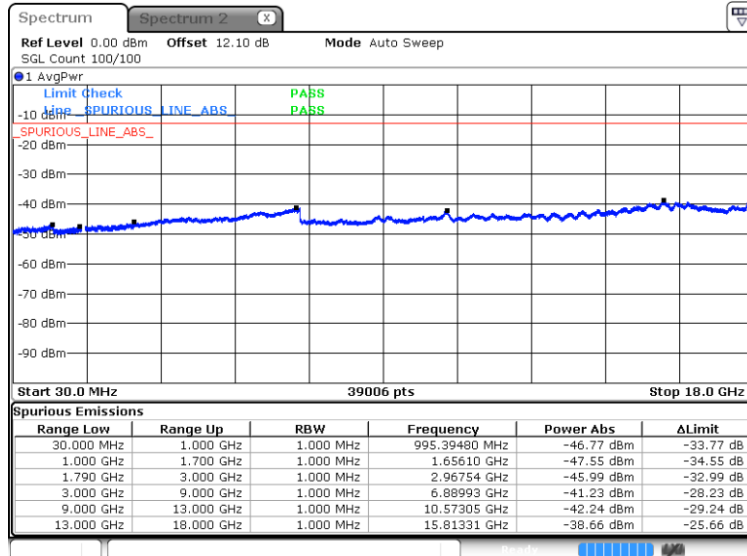
Date: 7 APR 2021 01:03:46

Middle Channel / QPSK



Date: 7 APR 2021 01:06:20

Highest Channel / QPSK

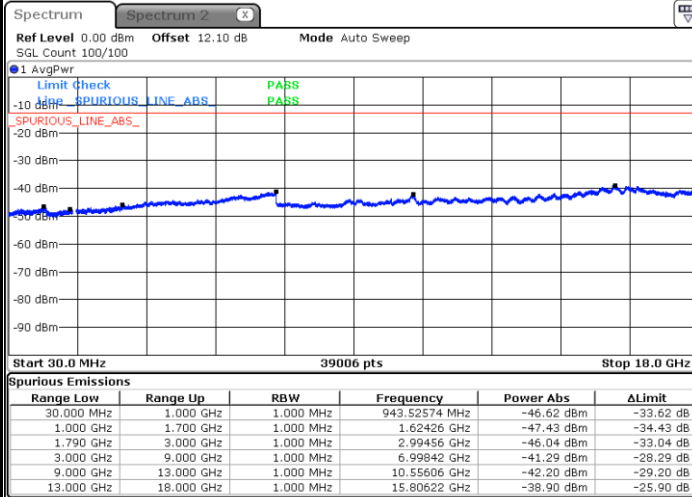


Date: 7 APR 2021 01:10:14



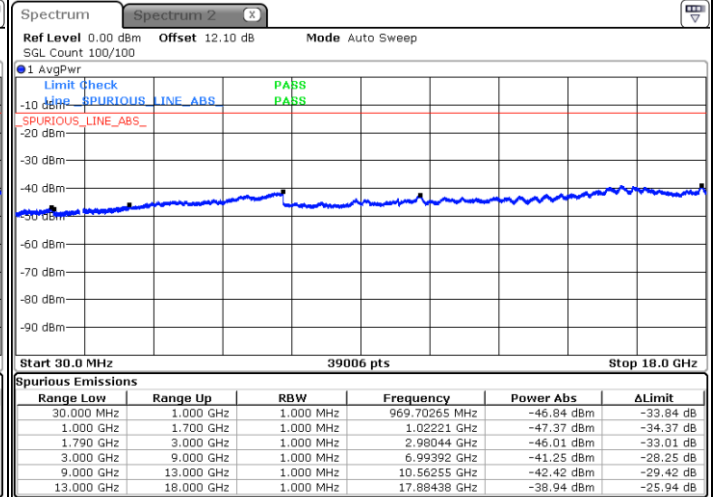
LTE Band 66 / 5MHz

Lowest Channel / QPSK



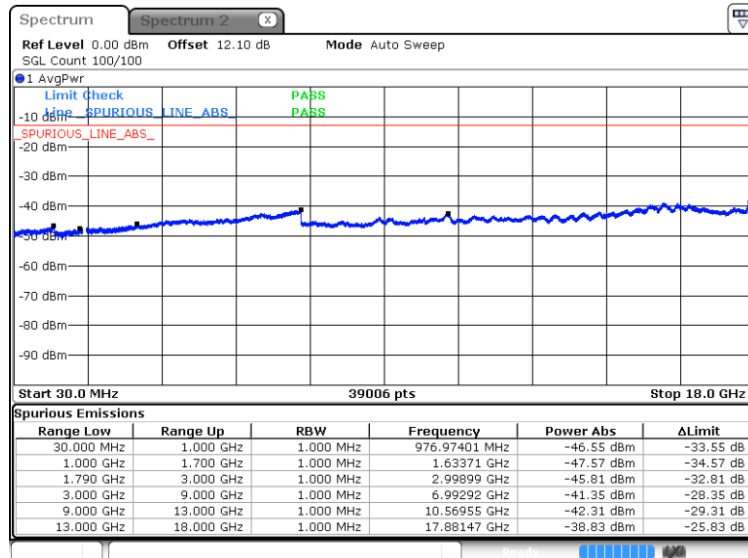
Date: 7 APR 2021 01:21:23

Middle Channel / QPSK



Date: 7 APR 2021 01:23:57

Highest Channel / QPSK

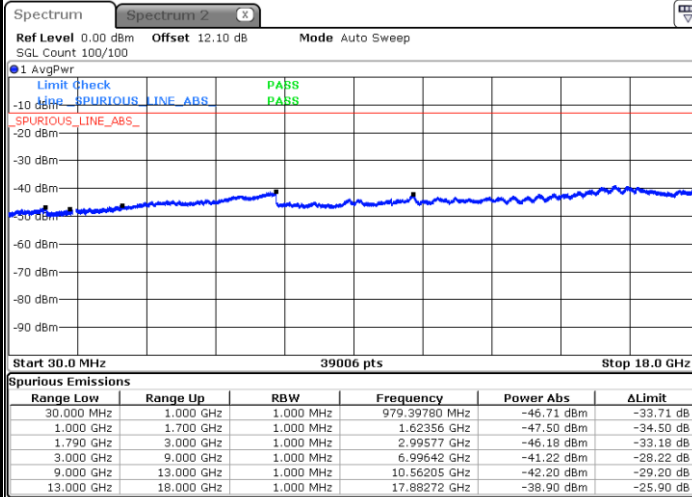


Date: 7 APR 2021 01:27:50



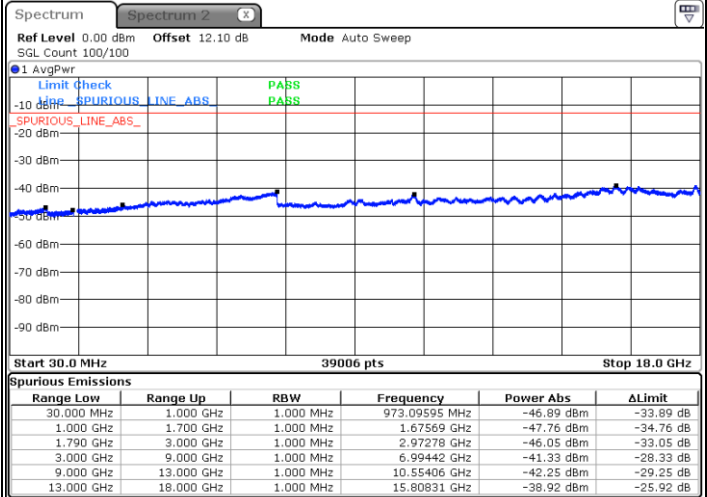
LTE Band 66 / 10MHz

Lowest Channel / QPSK



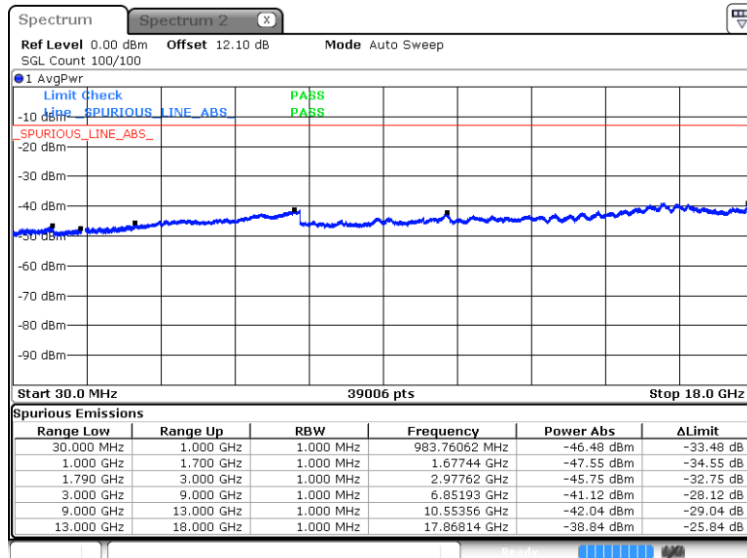
Date: 7 APR 2021 01:32:08

Middle Channel / QPSK



Date: 7 APR 2021 01:34:41

Highest Channel / QPSK

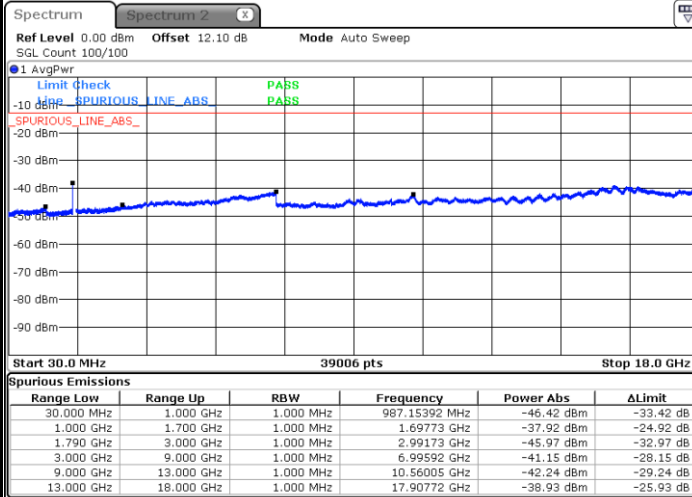


Date: 7 APR 2021 01:38:34



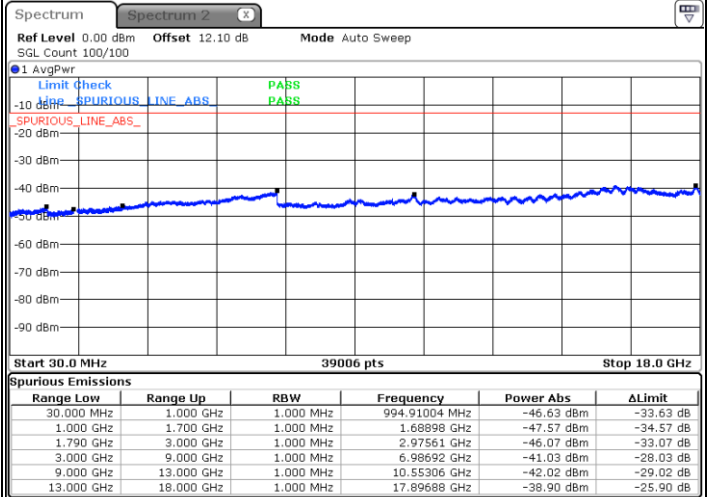
LTE Band 66 / 15MHz

Lowest Channel / QPSK



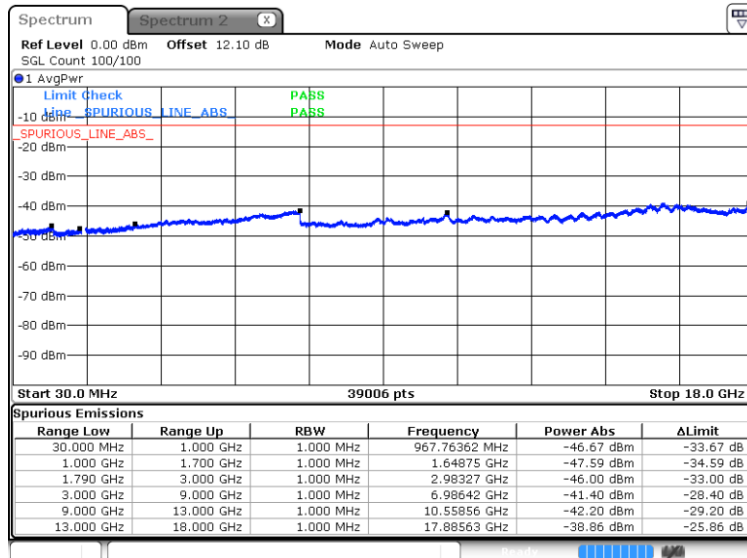
Date: 7 APR 2021 01:49:44

Middle Channel / QPSK



Date: 7 APR 2021 01:52:17

Highest Channel / QPSK

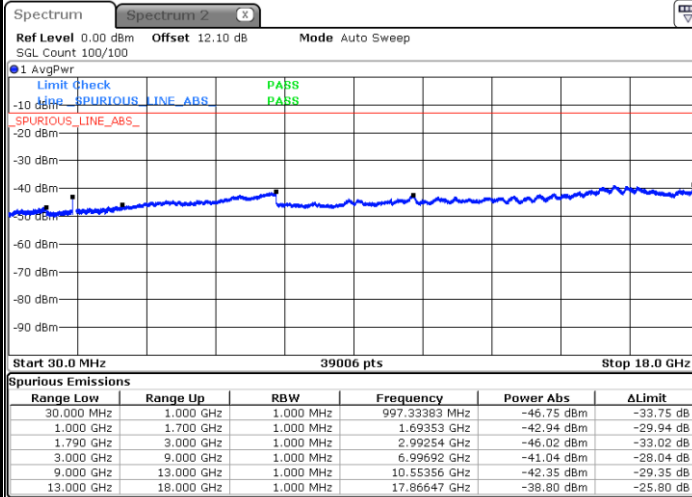


Date: 7 APR 2021 01:56:11



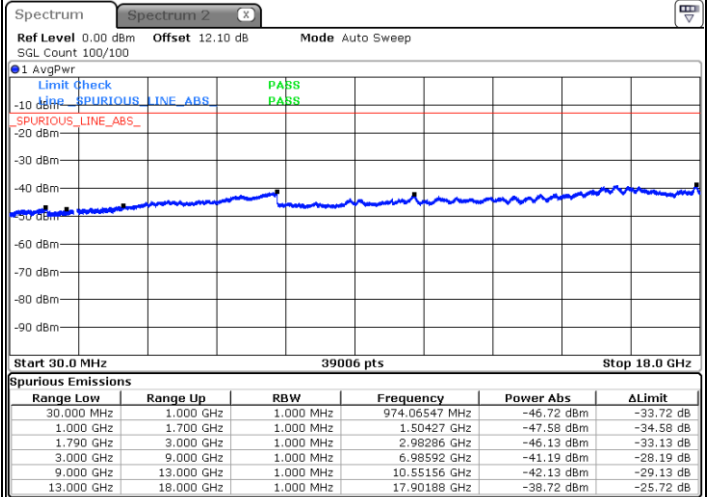
LTE Band 66 / 20MHz

Lowest Channel / QPSK



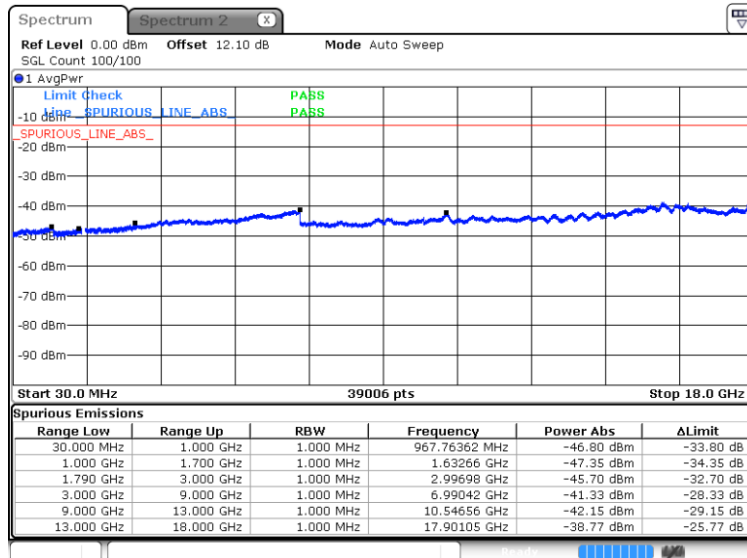
Date: 7 APR 2021 02:00:27

Middle Channel / QPSK



Date: 7 APR 2021 02:03:00

Highest Channel / QPSK



Date: 7 APR 2021 02:06:52

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0037	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.67 V. ; Maximum Voltage =4.26 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

LTE Band 25

LTE Band 25 / 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)
Lowest	3700	-54.30	-13	-41.30	-75.18	-63.93	2.77	12.40	H
	5553	-50.97	-13	-37.97	-76	-60.90	3.46	13.39	H
	7404	-46.33	-13	-33.33	-75.84	-53.53	3.98	11.18	H
									H
									H
									H
	3700	-53.79	-13	-40.79	-75.08	-63.42	2.77	12.40	V
	5553	-50.82	-13	-37.82	-75.92	-60.75	3.46	13.39	V
	7404	-45.74	-13	-32.74	-75.73	-52.94	3.98	11.18	V
									V
									V
									V
Middle	3742	-53.86	-13	-40.86	-74.89	-63.57	2.78	12.48	H
	5613	-51.15	-13	-38.15	-76.02	-61.02	3.48	13.35	H
	7484	-46.42	-13	-33.42	-75.94	-53.59	4.00	11.17	H
									H
									H
									H
	3742	-53.49	-13	-40.49	-74.92	-63.20	2.78	12.48	V
	5613	-50.84	-13	-37.84	-75.93	-60.71	3.48	13.35	V
	7484	-46.12	-13	-33.12	-76.01	-53.29	4.00	11.17	V
									V
									V
									V



Highest	3791	-54.33	-13	-41.33	-75.53	-63.96	2.79	12.42	H
	5688	-51.26	-13	-38.26	-76.53	-61.19	3.50	13.42	H
	7584	-46.63	-13	-33.63	-75.74	-53.94	4.03	11.34	H
									H
									H
									H
	3791	-53.58	-13	-40.58	-75.16	-63.21	2.79	12.42	V
	5688	-51.07	-13	-38.07	-76.57	-61.00	3.50	13.42	V
	7584	-45.75	-13	-32.75	-75.38	-53.06	4.03	11.34	V
									V
									V
									V

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

**LTE Band 5**

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)
Lowest	1649	-61.69	-13	-48.69	-73.67	-67.00	1.83	9.29	H
	2477	-46.71	-13	-33.71	-63.33	-52.97	2.25	10.66	H
	3295	-58.60	-13	-45.60	-77.3	-66.11	2.62	12.28	H
									H
									H
									H
									H
	1649	-61.78	-13	-48.78	-74.25	-67.09	1.83	9.29	V
	2477	-40.53	-13	-27.53	-57.34	-46.79	2.25	10.66	V
	3295	-58.18	-13	-45.18	-77.28	-65.69	2.62	12.28	V
									V
									V
									V
									V
Middle	1664	-62.67	-13	-49.67	-74.79	-68.06	1.84	9.38	H
	2498	-47.33	-13	-34.33	-64.11	-53.71	2.26	10.79	H
	3328	-58.94	-13	-45.94	-77.56	-66.68	2.64	12.52	H
									H
									H
									H
									H
	1664	-62.40	-13	-49.40	-74.99	-67.79	1.84	9.38	V
	2498	-43.59	-13	-30.59	-60.41	-49.97	2.26	10.79	V
	3328	-58.01	-13	-45.01	-77.03	-65.75	2.64	12.52	V
									V
									V
									V
									V
									V



Highest	1682	-62.96	-13	-49.96	-75.19	-68.45	1.85	9.49	H
	2522	-50.52	-13	-37.52	-67.21	-56.90	2.27	10.80	H
	3358	-59.03	-13	-46.03	-77.59	-66.91	2.65	12.68	H
									H
									H
									H
									H
	1682	-62.14	-13	-49.14	-74.82	-67.63	1.85	9.49	V
	2522	-47.42	-13	-34.42	-64.29	-53.80	2.27	10.80	V
	3358	-58.78	-13	-45.78	-77.72	-66.66	2.65	12.68	V
									V
									V
									V
									V

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

**LTE Band 12**

LTE Band 12 / 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)
Lowest	1399	-62.46	-13	-49.46	-73.75	-65.52	1.69	6.89	H
	2099	-60.60	-13	-47.60	-75.21	-65.88	2.08	9.51	H
	2798	-57.71	-13	-44.71	-75.28	-64.36	2.39	11.19	H
									H
									H
									H
	1399	-62.15	-13	-49.15	-73.63	-65.21	1.69	6.89	V
	2099	-60.03	-13	-47.03	-75.11	-65.31	2.08	9.51	V
	2798	-57.65	-13	-44.65	-75.48	-64.30	2.39	11.19	V
									V
									V
									V
Middle	1406	-62.15	-13	-49.15	-73.51	-65.26	1.69	6.95	H
	2109	-60.51	-13	-47.51	-75.24	-65.69	2.08	9.41	H
	2812	-57.55	-13	-44.55	-75.13	-64.20	2.40	11.20	H
									H
									H
									H
	1406	-62.34	-13	-49.34	-73.86	-65.45	1.69	6.95	V
	2109	-60.00	-13	-47.00	-75.22	-65.18	2.08	9.41	V
	2812	-57.47	-13	-44.47	-75.34	-64.12	2.40	11.20	V
									V
									V
									V



Highest	1413	-62.14	-13	-49.14	-73.58	-65.30	1.69	7.00	H
	2120	-59.82	-13	-46.82	-74.67	-64.88	2.09	9.30	H
	2826	-58.30	-13	-45.30	-75.88	-64.95	2.40	11.20	H
									H
									H
									H
	1413	-62.17	-13	-49.17	-73.74	-65.33	1.69	7.00	V
	2120	-59.60	-13	-46.60	-74.96	-64.66	2.09	9.30	V
	2826	-57.37	-13	-44.37	-75.26	-64.02	2.40	11.20	V
									V
									V
									V

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

**LTE Band 13**

LTE Band 13 / 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)
Lowest	1555	-62.23	-13	-49.23	-74.22	-66.93	1.78	8.63	H
	2332	-56.67	-13	-43.67	-72.59	-62.03	2.18	9.69	H
	3109	-57.38	-13	-44.38	-75.70	-64.02	2.53	11.32	H
									H
									H
									H
	1555	-60.60	-13	-47.60	-72.70	-65.30	1.78	8.63	V
	2332	-57.50	-13	-44.50	-74.13	-62.86	2.18	9.69	V
	3109	-56.73	-13	-43.73	-75.60	-63.37	2.53	11.32	V
									V
									V
									V
Middle	1560	-62.63	-42.15	-20.48	-74.58	-67.36	1.78	8.66	H
	2340	-56.91	-13	-43.91	-72.84	-62.31	2.19	9.74	H
	3120	-57.55	-13	-44.55	-75.93	-64.20	2.54	11.34	H
									H
									H
									H
	1560	-62.06	-42.15	-19.91	-74.15	-66.79	1.78	8.66	V
	2340	-57.65	-13	-44.65	-74.29	-63.05	2.19	9.74	V
	3120	-57.18	-13	-44.18	-76.10	-63.83	2.54	11.34	V
									V
									V
									V



Highest	1565	-62.47	-42.15	-20.32	-74.37	-67.22	1.79	8.69	H
	2347	-55.04	-13	-42.04	-70.99	-60.48	2.19	9.78	H
	3129	-57.25	-13	-44.25	-75.71	-63.92	2.54	11.36	H
									H
									H
									H
	1565	-61.86	-42.15	-19.71	-73.94	-66.61	1.79	8.69	V
	2347	-54.50	-13	-41.50	-71.16	-59.94	2.19	9.78	V
	3129	-56.97	-13	-43.97	-75.95	-63.64	2.54	11.36	V
									V
									V
									V

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



LTE Band 13 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1555	-62.45	-13	-49.45	-74.44	-67.15	1.78	8.63	H
	2334	-59.35	-13	-46.35	-75.27	-64.72	2.18	9.70	H
	3110	-57.17	-13	-44.17	-75.5	-63.81	2.53	11.32	H
									H
									H
									H
	1555	-61.55	-13	-48.55	-73.65	-66.25	1.78	8.63	V
	2334	-58.85	-13	-45.85	-75.48	-64.22	2.18	9.70	V
	3110	-56.69	-13	-43.69	-75.57	-63.33	2.53	11.32	V
									V
									V
									V

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

**LTE Band 66**

LTE Band 66 / 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)
Lowest	3420	-57.01	-13	-44.01	-76.43	-66.93	2.68	12.60	H
	5133	-52.68	-13	-39.68	-77.02	-61.79	3.32	12.43	H
	6844	-48.57	-13	-35.57	-76.63	-57.11	3.86	12.40	H
									H
									H
									H
	3420	-56.68	-13	-43.68	-76.47	-66.60	2.68	12.60	V
	5133	-51.78	-13	-38.78	-76.67	-60.89	3.32	12.43	V
	6844	-48.14	-13	-35.14	-76.56	-56.68	3.86	12.40	V
									V
									V
									V
Middle	3472	-56.82	-13	-43.82	-76.68	-66.63	2.71	12.51	H
	5208	-52.26	-13	-39.26	-76.85	-61.78	3.34	12.86	H
	6944	-47.07	-13	-34.07	-75.43	-55.18	3.89	12.00	H
									H
									H
									H
	3472	-56.29	-13	-43.29	-76.56	-66.10	2.71	12.51	V
	5208	-51.76	-13	-38.76	-76.83	-61.28	3.34	12.86	V
	6944	-46.96	-13	-33.96	-75.36	-55.07	3.89	12.00	V
									V
									V
									V



Highest	3522	-56.07	-13	-43.07	-76.32	-65.66	2.73	12.31	H
	5283	-52.47	-13	-39.47	-77.1	-62.43	3.37	13.33	H
	7044	-46.65	-13	-33.65	-75.22	-54.37	3.92	11.64	H
									H
									H
									H
	3522	-55.40	-13	-42.40	-76.02	-64.99	2.73	12.31	V
	5283	-52.21	-13	-39.21	-77.19	-62.17	3.37	13.33	V
	7044	-46.64	-13	-33.64	-75.19	-54.36	3.92	11.64	V
									V
									V
									V

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

**LTE Band 41**

LTE Band 41 / 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)
Lowest	4992	-63.33	-25	-38.33	-58.92	-72.68	3.27	12.62	H
	7491	-60.27	-25	-35.27	-62.45	-67.45	4.00	11.18	H
	9990	-55.94	-25	-30.94	-60.91	-62.45	4.67	11.18	H
									H
									H
									H
	4996	-62.83	-25	-37.83	-59.09	-72.17	3.27	12.61	V
	7491	-60.08	-25	-35.08	-62.63	-67.26	4.00	11.18	V
	9990	-56.36	-25	-31.36	-61.08	-62.87	4.67	11.18	V
									V
									V
									V
Middle	5166	-63.41	-25	-38.41	-59.52	-72.68	3.33	12.60	H
	7752	-60.20	-25	-35.20	-62.3	-68.00	4.09	11.89	H
	10332	-55.18	-25	-30.18	-60.23	-61.35	4.77	10.94	H
									H
									H
									H
	5166	-62.98	-25	-37.98	-59.61	-72.25	3.33	12.60	V
	7752	-59.52	-25	-34.52	-62.12	-67.32	4.09	11.89	V
	10332	-56.08	-25	-31.08	-60.3	-62.25	4.77	10.94	V
									V
									V
									V



Highest	5340	-63.38	-25	-38.38	-59.54	-73.47	3.39	13.48	H
	8013	-57.93	-25	-32.93	-61.04	-64.60	4.18	10.85	H
	10683	-55.50	-25	-30.50	-60.43	-61.71	4.86	11.07	H
									H
									H
									H
	5340	-63.08	-25	-38.08	-59.5	-73.17	3.39	13.48	V
	8013	-57.91	-25	-32.91	-61.15	-64.58	4.18	10.85	V
	10683	-56.44	-25	-31.44	-60.54	-62.65	4.86	11.07	V
									V
									V
									V

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

————THE END————