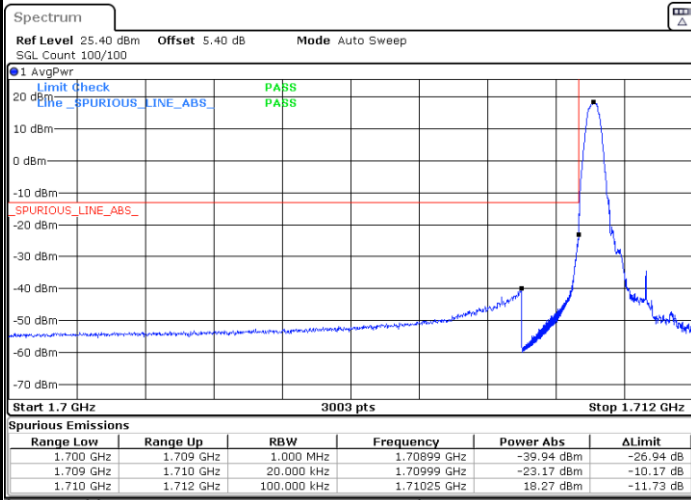




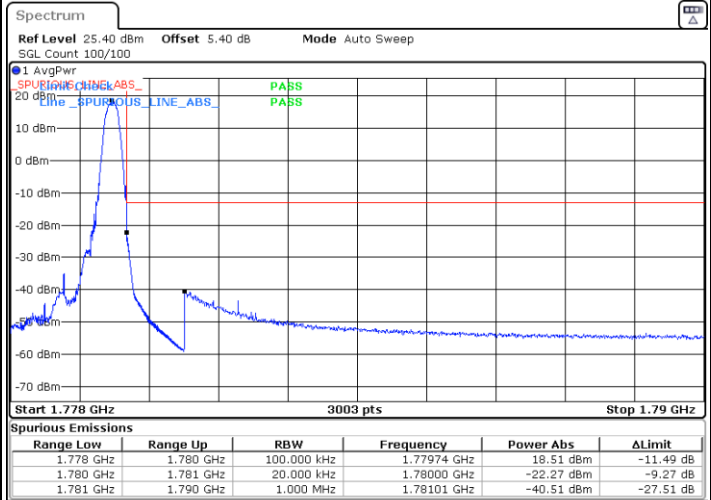
LTE Band 66 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



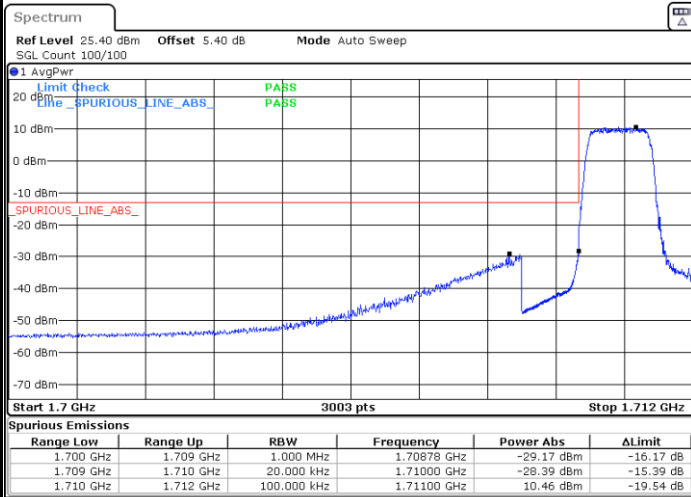
Date: 7.AUG.2023 21:57:36

Highest Band Edge / 1 RB



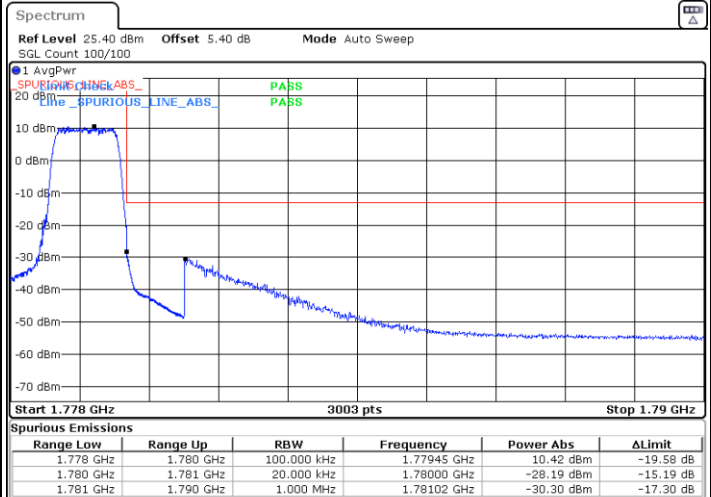
Date: 7.AUG.2023 22:12:29

Lowest Band Edge / Full RB



Date: 7.AUG.2023 22:02:57

Highest Band Edge / Full RB

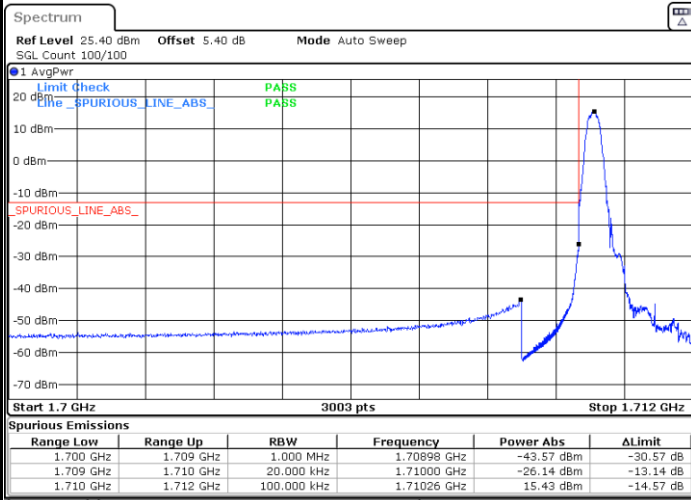


Date: 7.AUG.2023 22:17:51



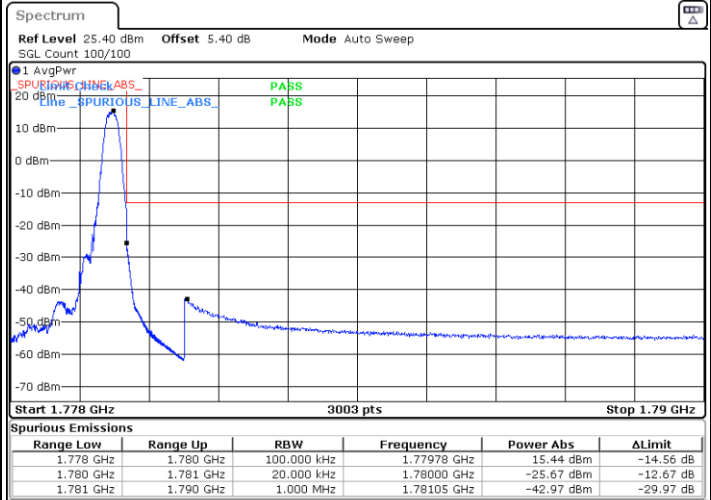
LTE Band 66 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



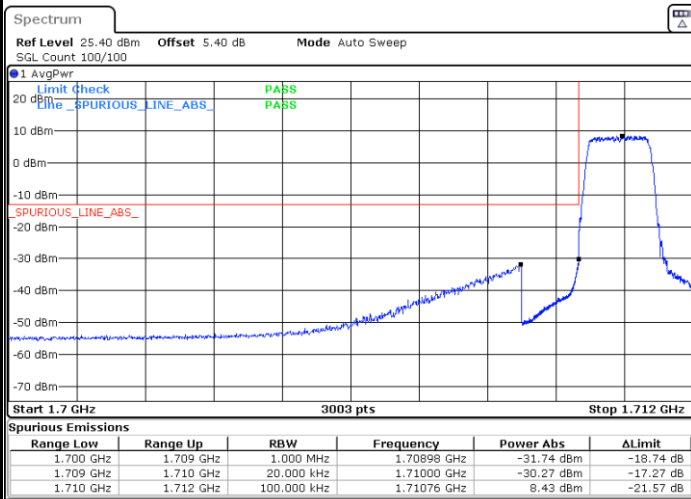
Date: 7 AUG 2023 21:58:56

Highest Band Edge / 1 RB



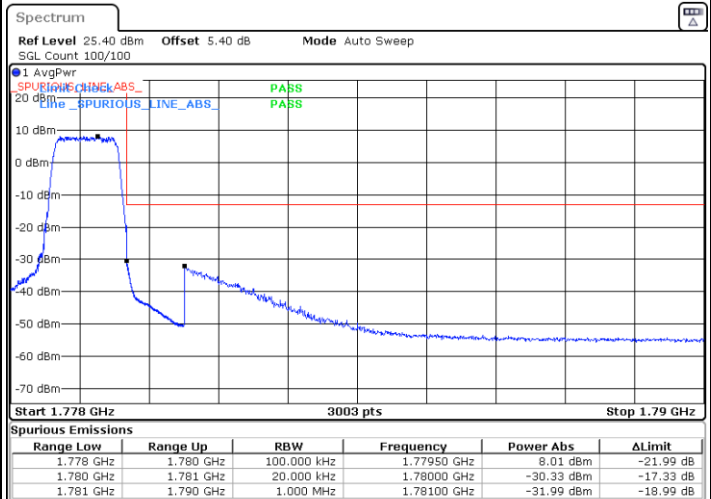
Date: 7 AUG 2023 22:13:49

Lowest Band Edge / Full RB



Date: 7 AUG 2023 22:04:17

Highest Band Edge / Full RB

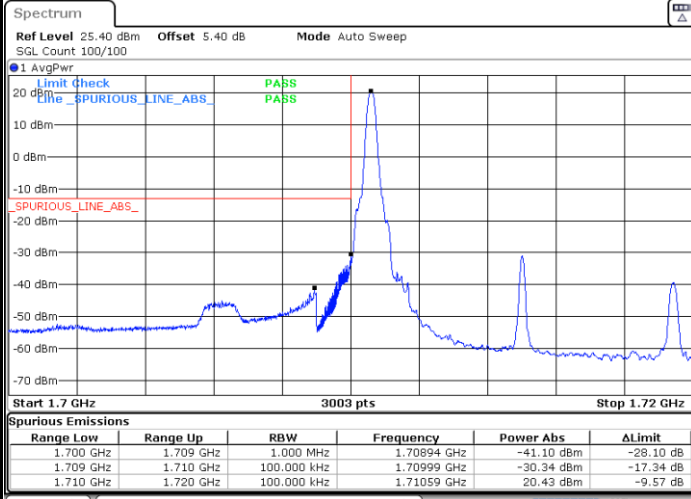


Date: 7 AUG 2023 22:19:11



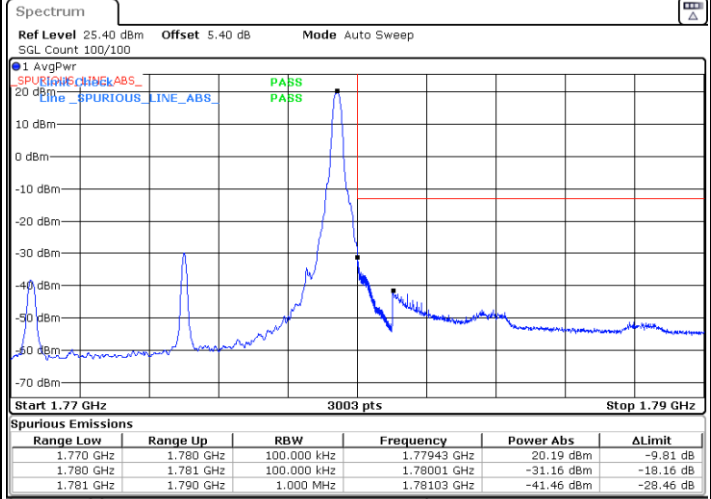
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1 RB



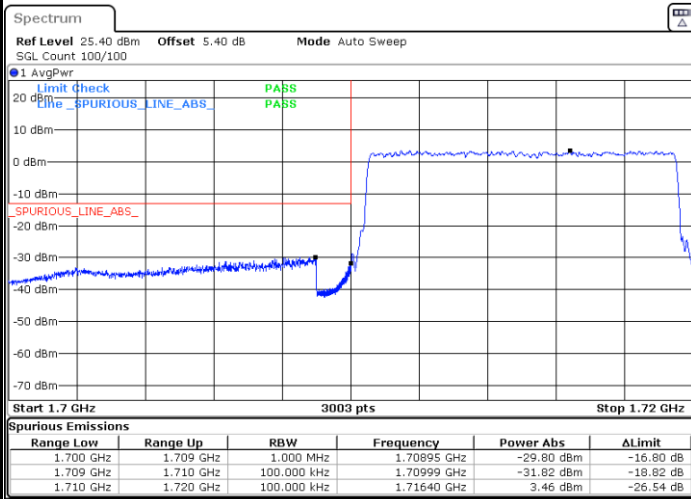
Date: 8 AUG 2023 00:09:45

Highest Band Edge / 1 RB



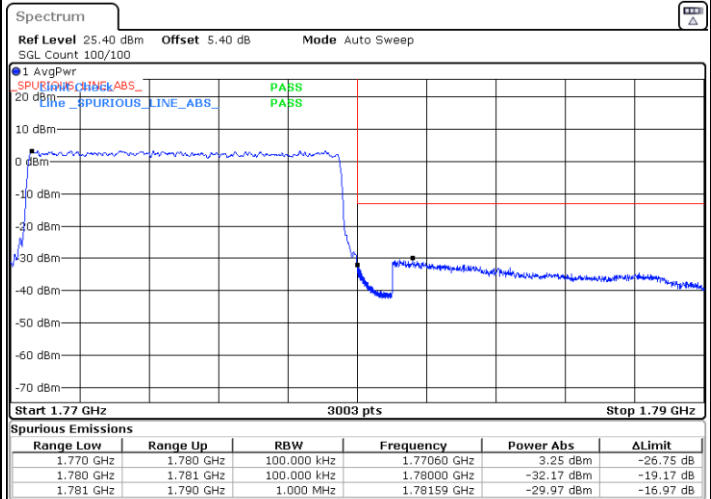
Date: 8 AUG 2023 00:22:04

Lowest Band Edge / Full RB



Date: 8 AUG 2023 00:15:07

Highest Band Edge / Full RB

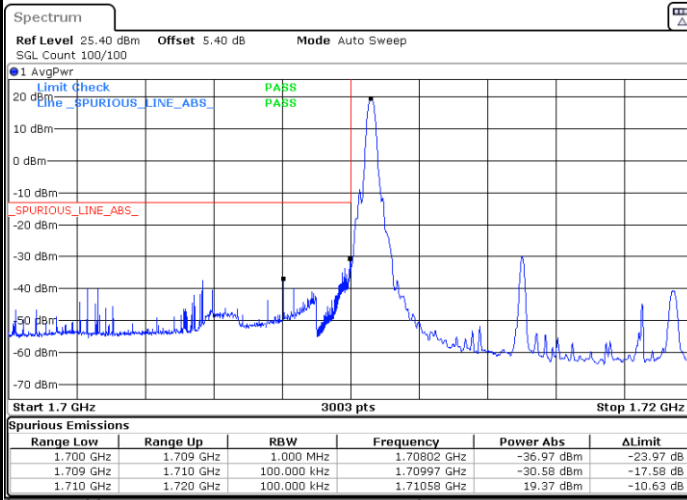


Date: 8 AUG 2023 00:25:07

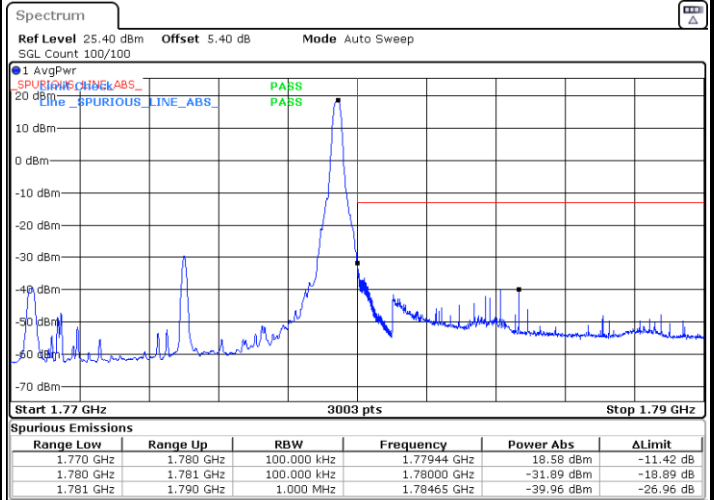


LTE Band 66 / 10MHz / 16QAM

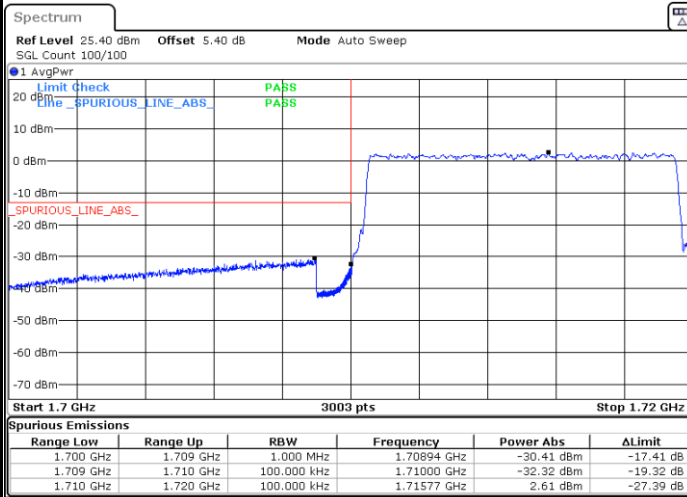
Lowest Band Edge / 1 RB



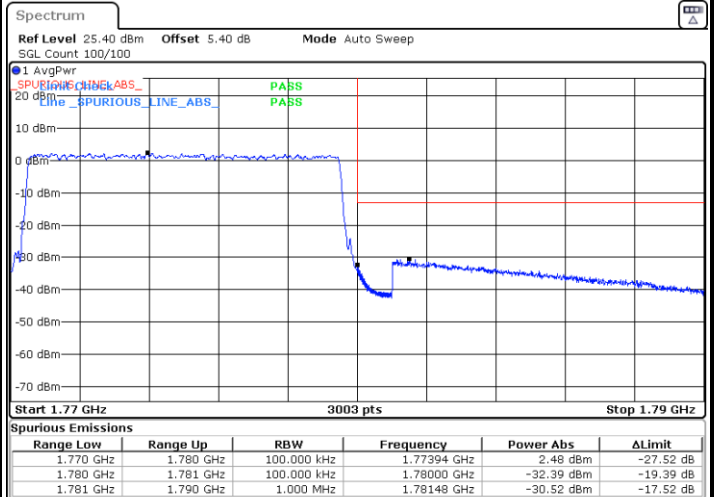
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



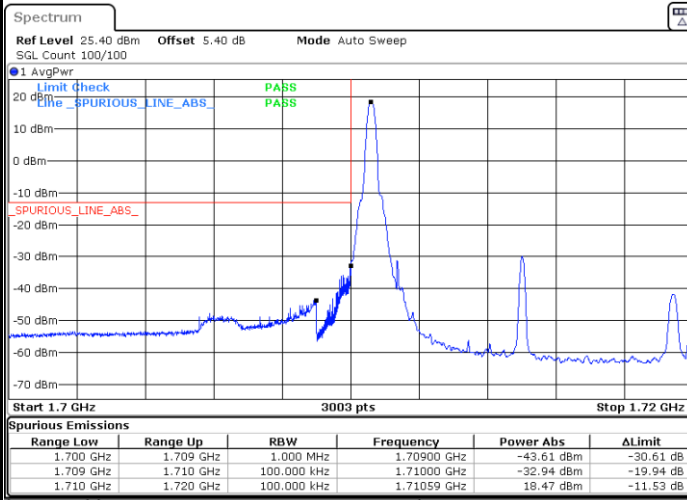
Highest Band Edge / Full RB





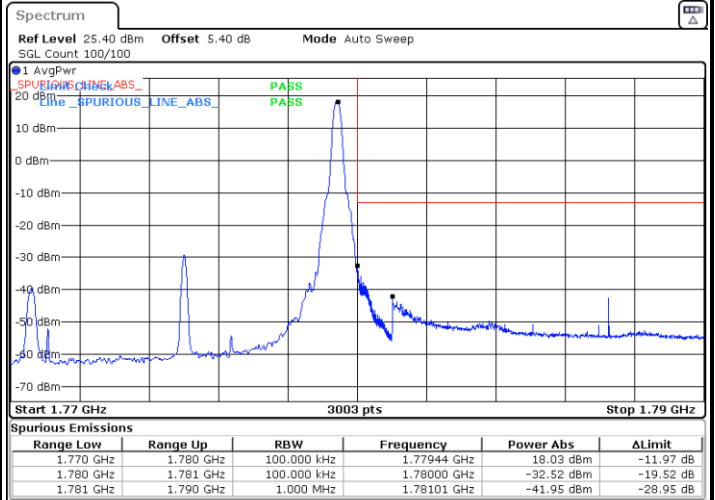
LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



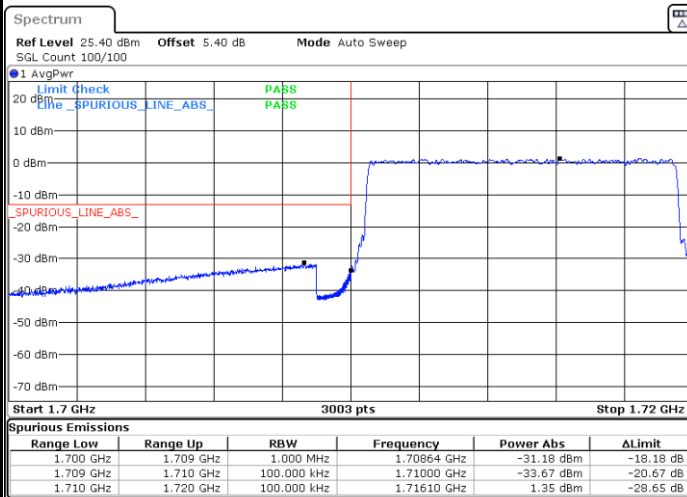
Date: 8 AUG 2023 00:12:25

Highest Band Edge / 1 RB



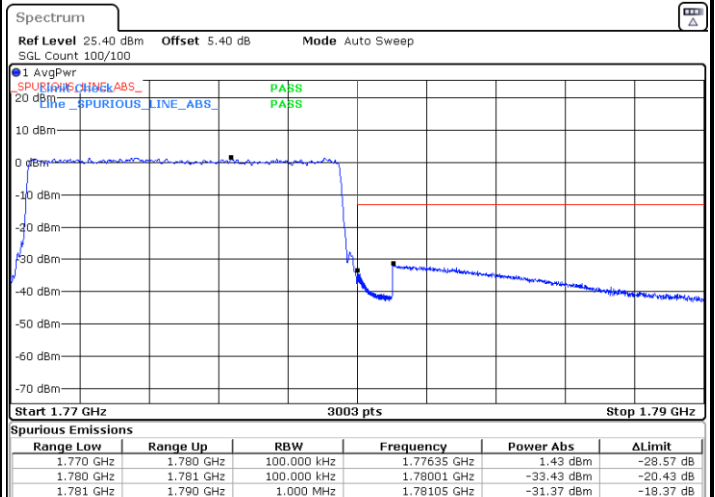
Date: 8 AUG 2023 00:23:34

Lowest Band Edge / Full RB



Date: 8 AUG 2023 00:17:11

Highest Band Edge / Full RB

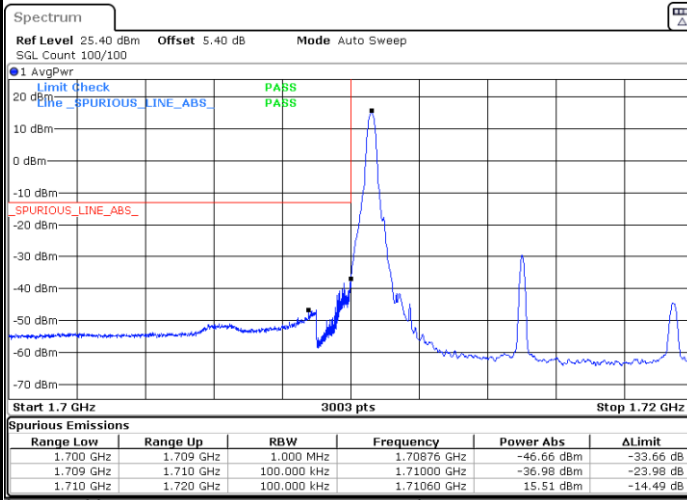


Date: 8 AUG 2023 00:26:17



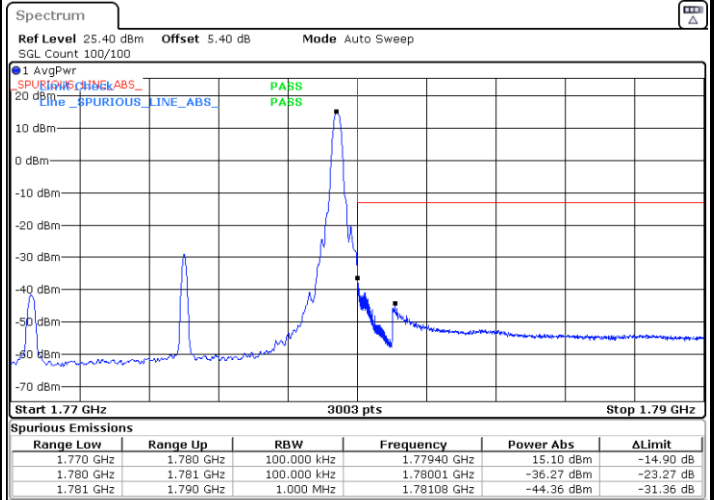
LTE Band 66 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



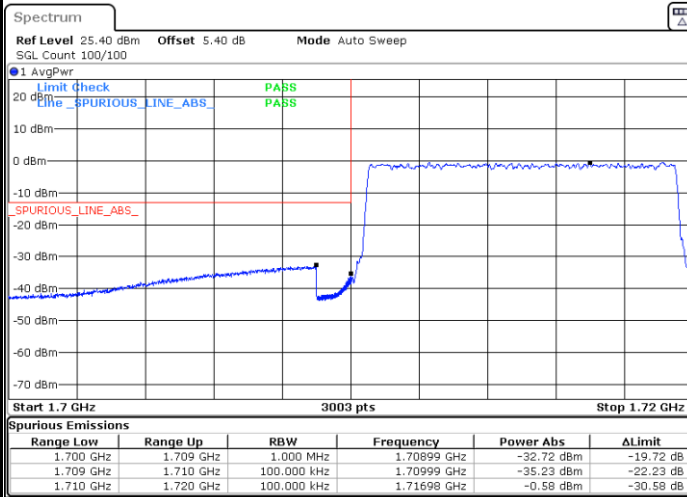
Date: 8 AUG 2023 00:13:44

Highest Band Edge / 1 RB



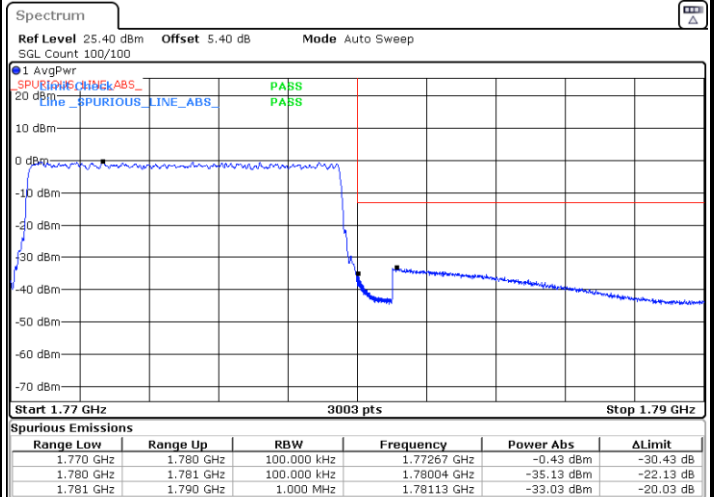
Date: 8 AUG 2023 00:24:19

Lowest Band Edge / Full RB



Date: 8 AUG 2023 00:17:55

Highest Band Edge / Full RB

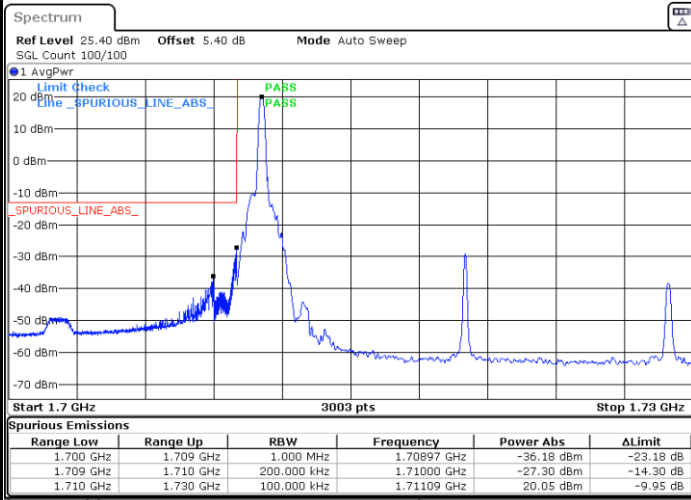


Date: 8 AUG 2023 00:26:51



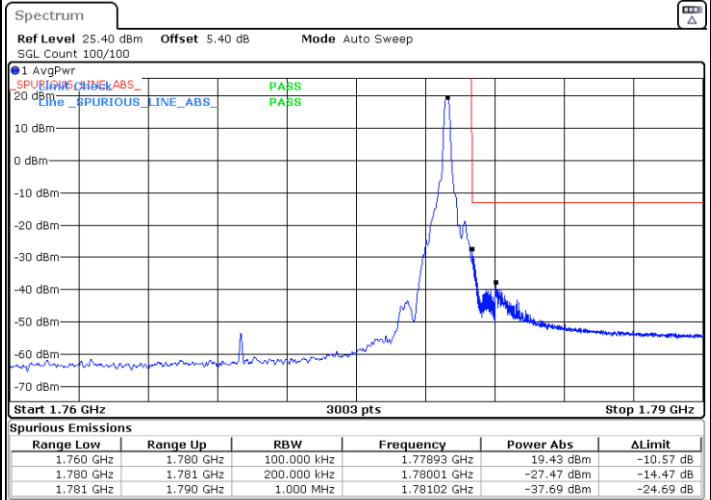
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



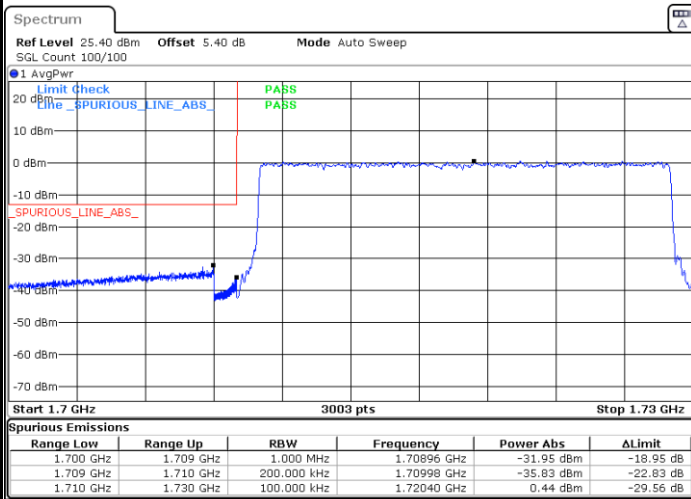
Date: 8 AUG 2023 00:48:36

Highest Band Edge / 1 RB



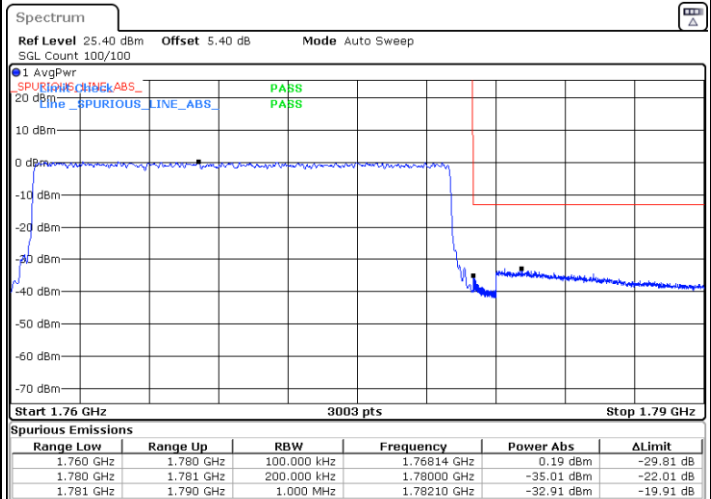
Date: 8 AUG 2023 00:56:42

Lowest Band Edge / Full RB



Date: 8 AUG 2023 00:50:59

Highest Band Edge / Full RB

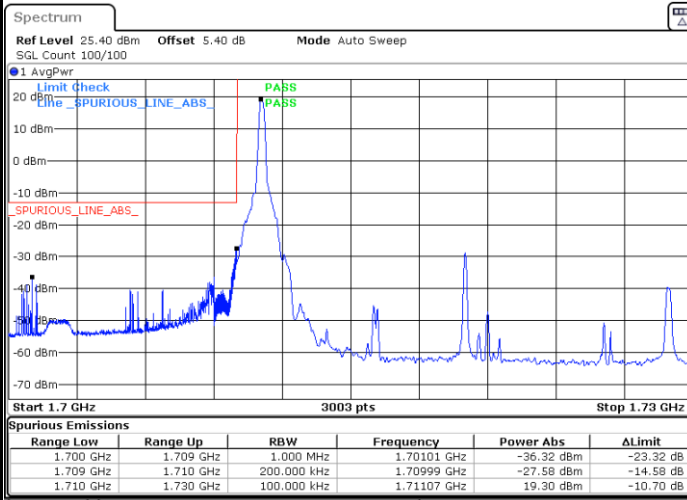


Date: 8 AUG 2023 00:59:05



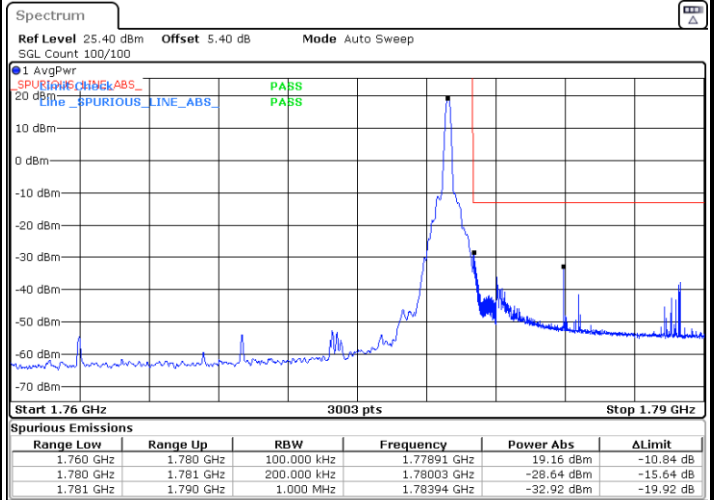
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



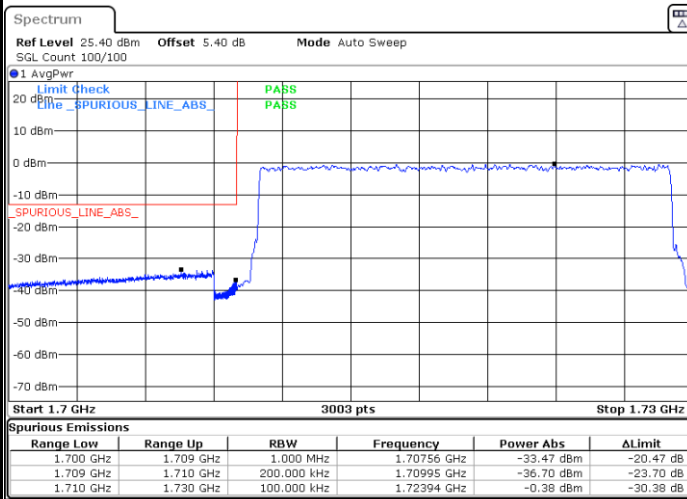
Date: 8 AUG 2023 00:49:11

Highest Band Edge / 1 RB



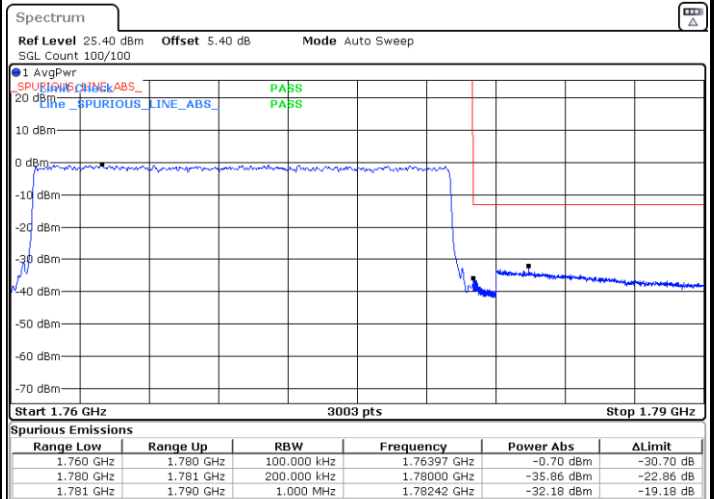
Date: 8 AUG 2023 00:57:17

Lowest Band Edge / Full RB



Date: 8 AUG 2023 00:51:34

Highest Band Edge / Full RB

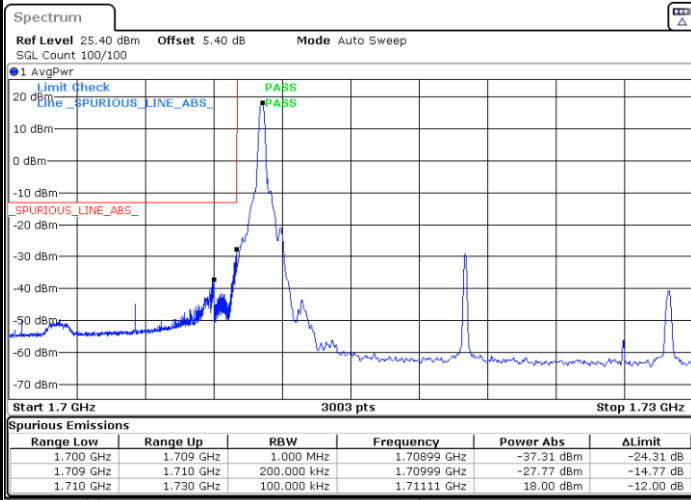


Date: 8 AUG 2023 00:59:40



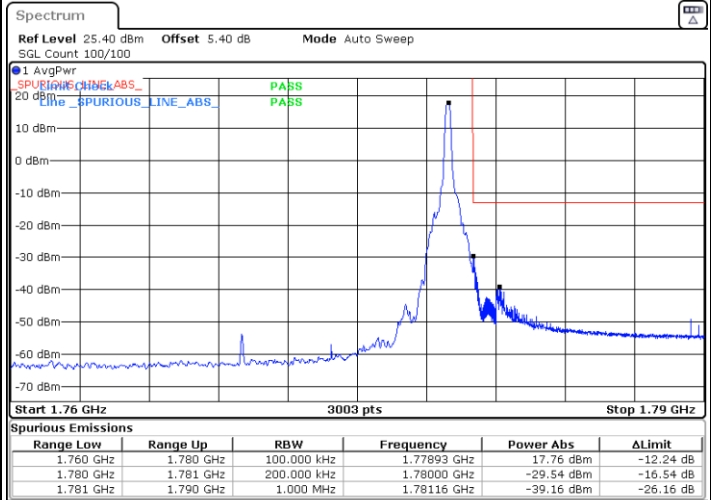
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



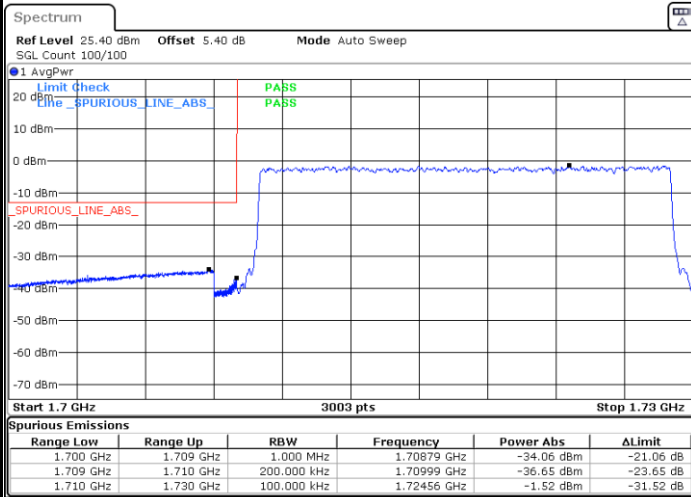
Date: 8 AUG 2023 00:49:46

Highest Band Edge / 1 RB



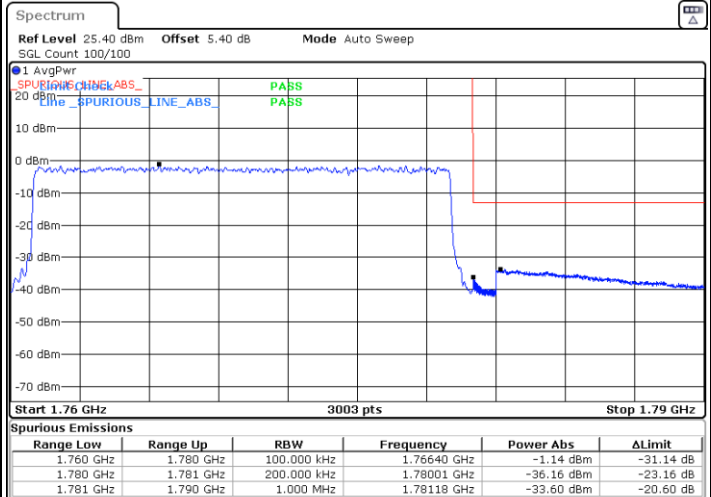
Date: 8 AUG 2023 00:57:52

Lowest Band Edge / Full RB



Date: 8 AUG 2023 00:52:08

Highest Band Edge / Full RB

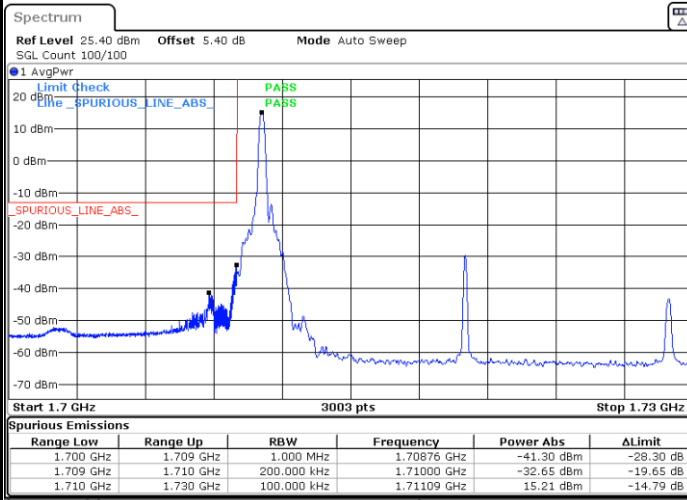


Date: 8 AUG 2023 01:00:15



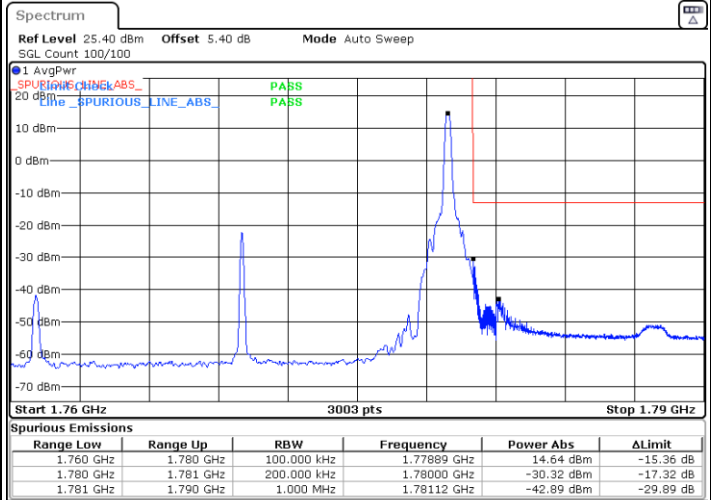
LTE Band 66 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



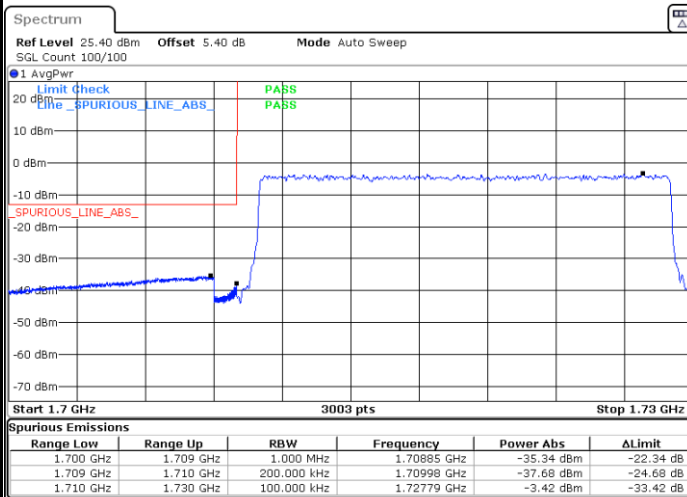
Date: 8 AUG 2023 00:50:21

Highest Band Edge / 1 RB



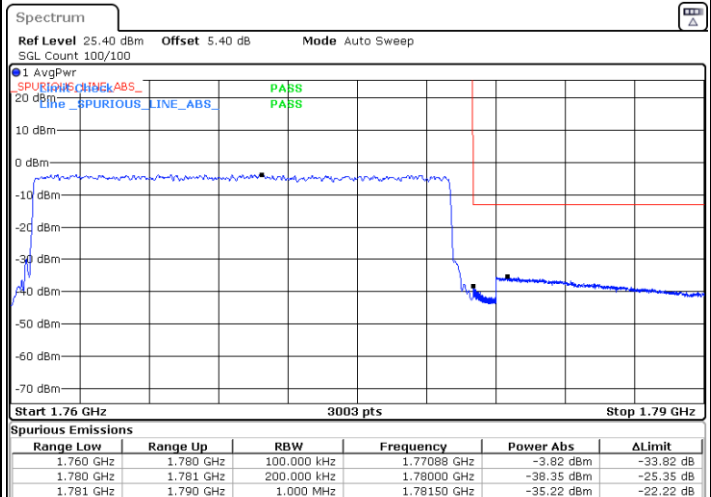
Date: 8 AUG 2023 00:58:27

Lowest Band Edge / Full RB



Date: 8 AUG 2023 00:52:44

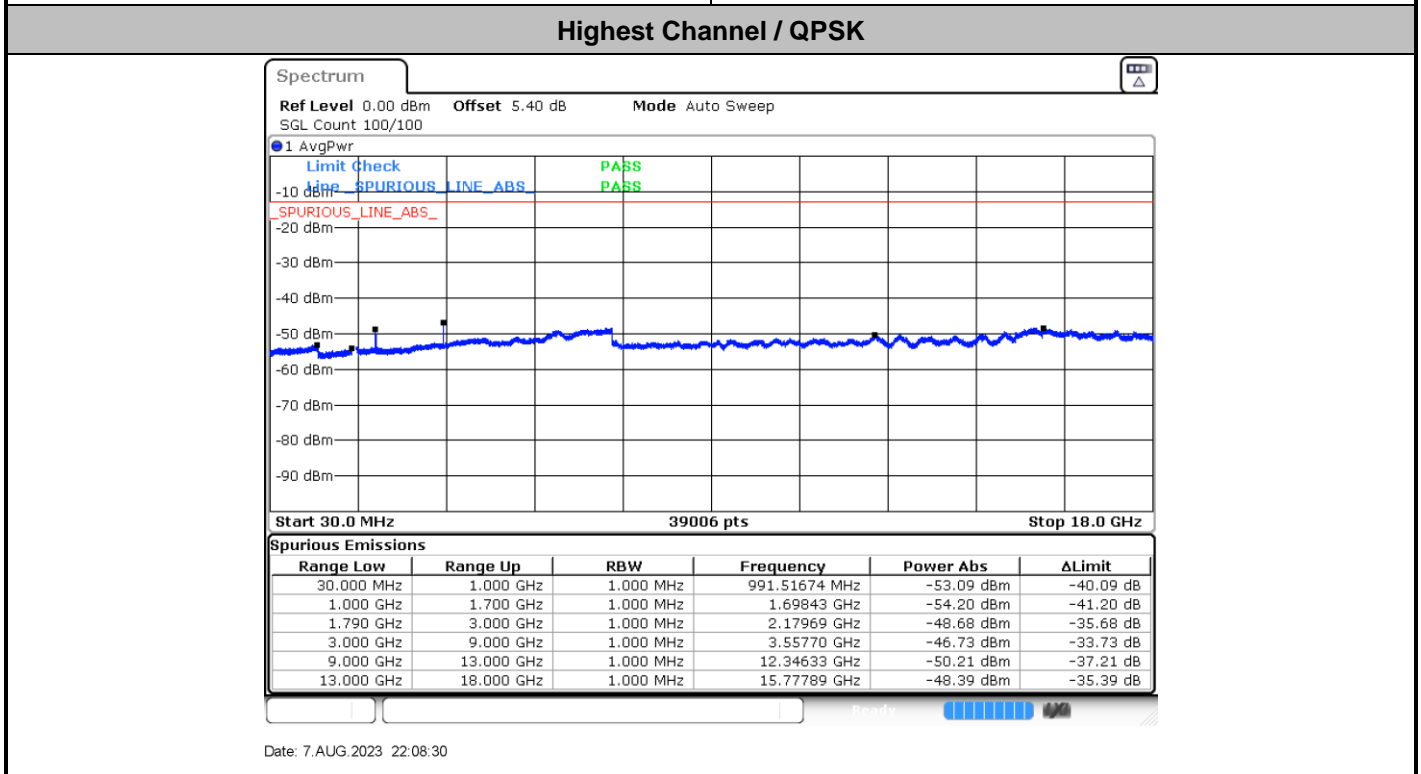
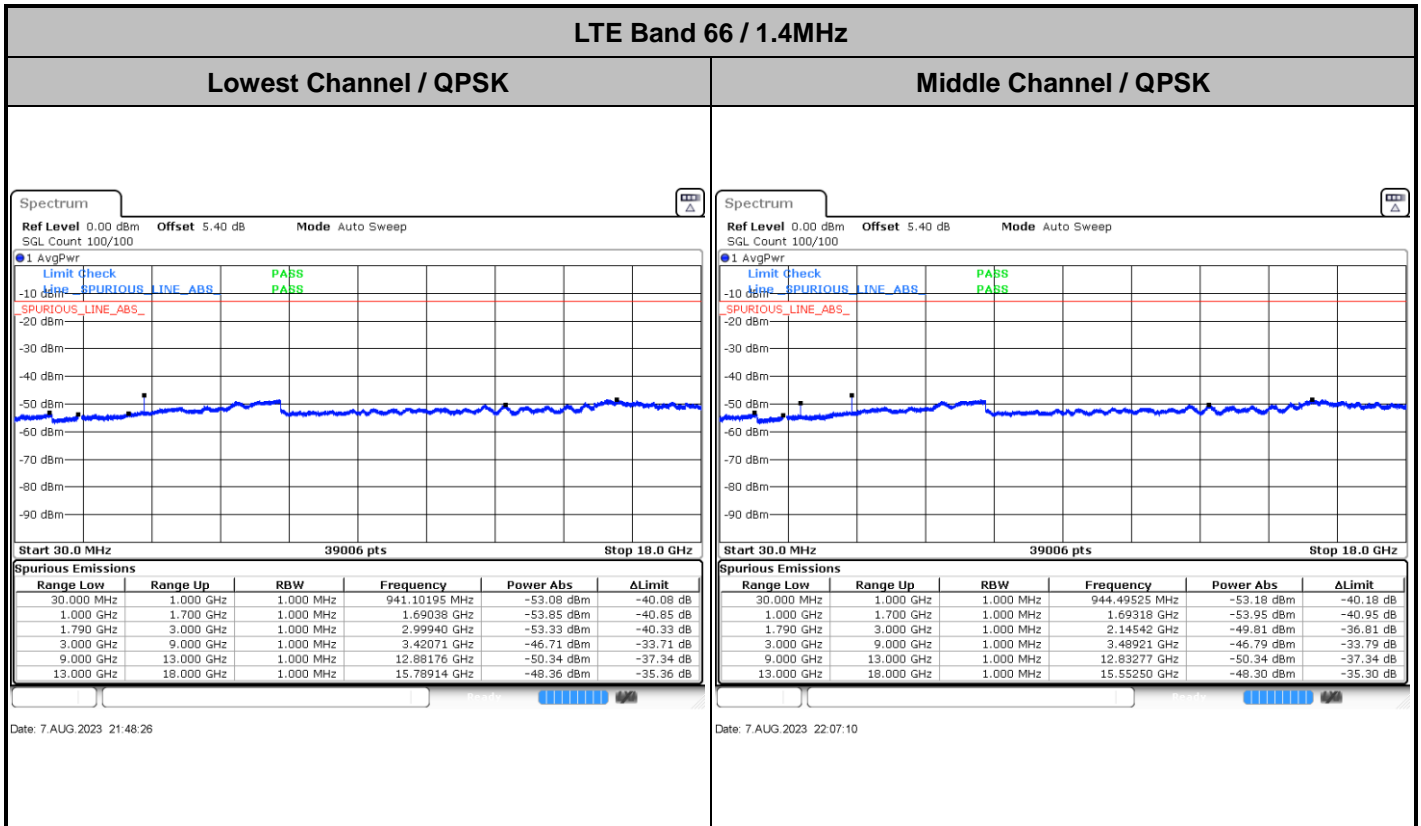
Highest Band Edge / Full RB



Date: 8 AUG 2023 01:00:50



Conducted Spurious Emission

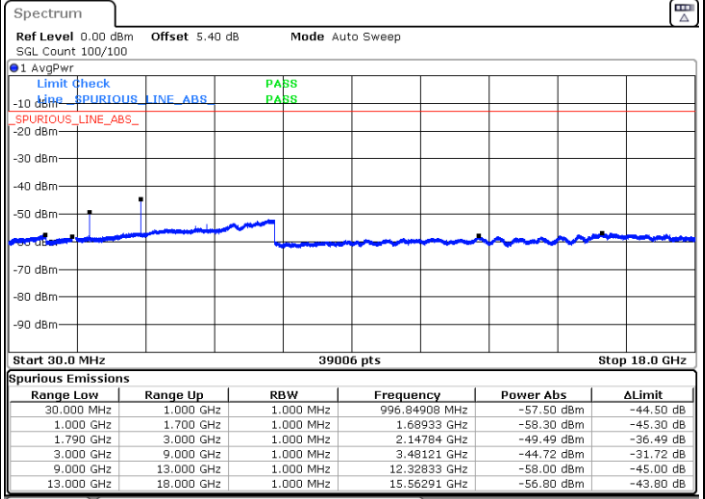
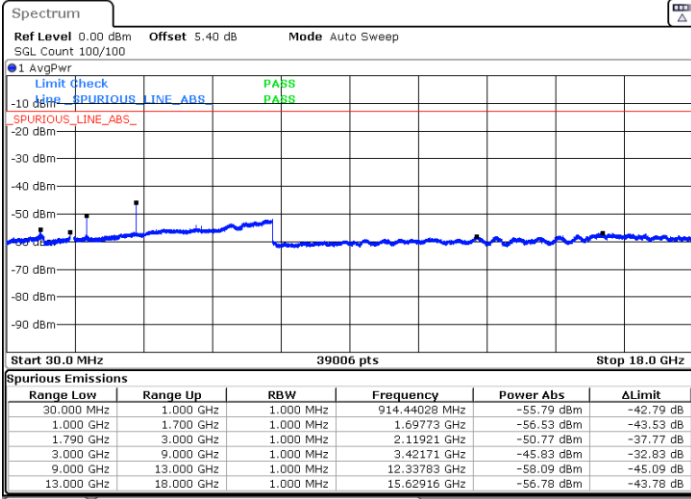




LTE Band 66 / 10MHz

Lowest Channel / QPSK

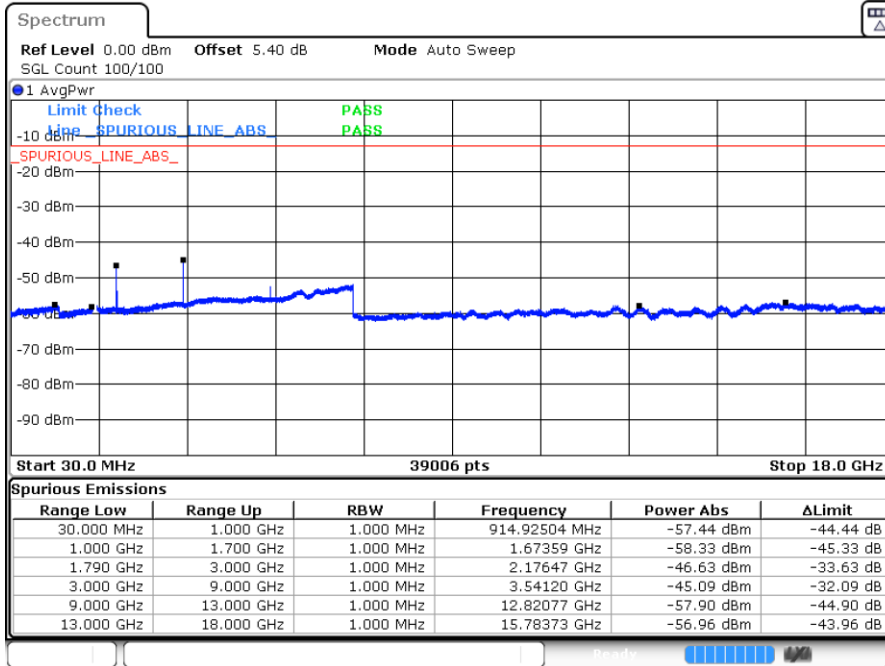
Middle Channel / QPSK



Date: 8.AUG.2023 00:08:25

Date: 8.AUG.2023 00:19:38

Highest Channel / QPSK



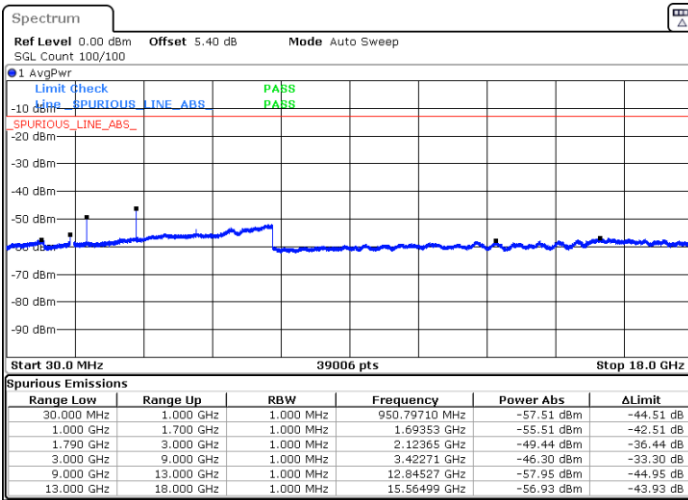
Date: 8.AUG.2023 00:21:19



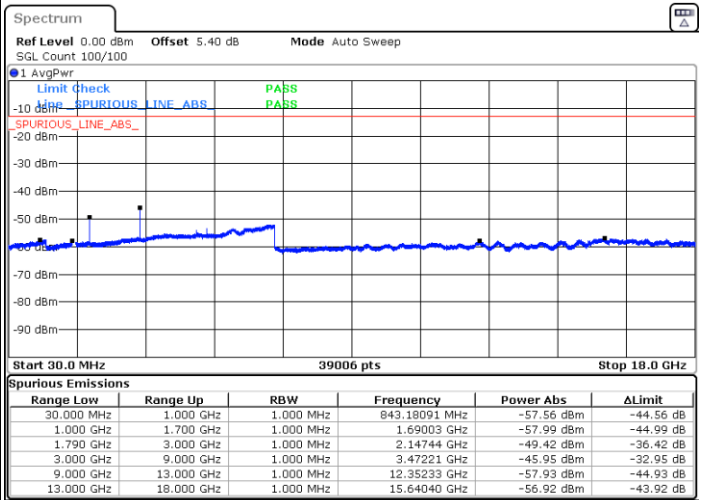
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

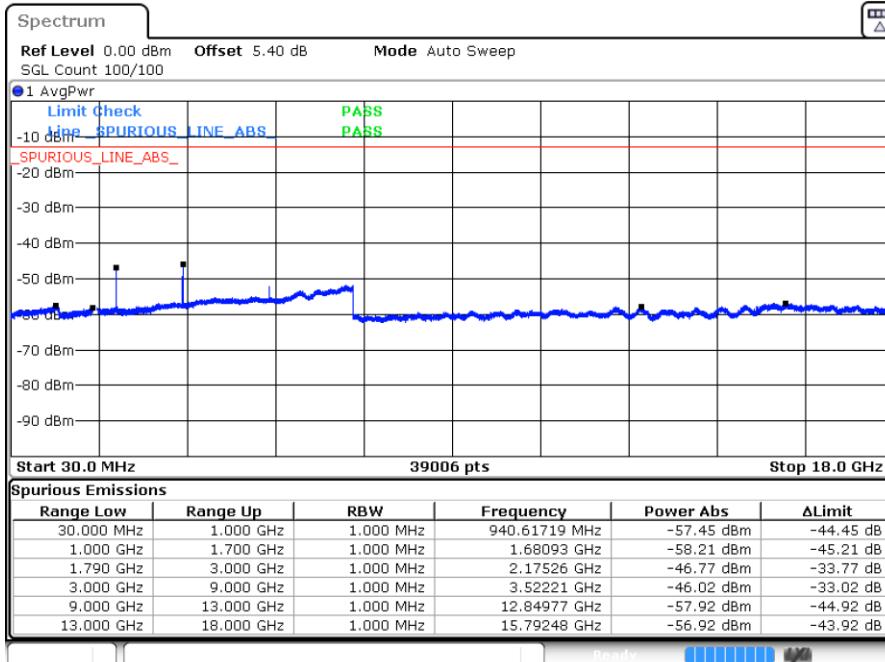


Date: 8.AUG.2023 00:48:01



Date: 8.AUG.2023 00:54:26

Highest Channel / QPSK



Date: 8.AUG.2023 00:56:07



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	0.0029	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0038	
0	Normal Voltage	0.0046	
-10	Normal Voltage	0.0059	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0032	
20	Battery End Point	0.0021	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jake zhou	Temperature :	23~25°C
		Relative Humidity :	41~42%

RSE pretest all the supported antennas, only the worst antenna are shown in the report.

LTE Band 2 / 20 MHz / QPSK/Ant.0								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-66.32	-13	-53.32	-78.58	2.64	14.90	H
	5550	-58.33	-13	-45.33	-70.19	2.94	14.80	H
	7410	-57.21	-13	-44.21	-66.98	3.39	13.16	H
	3705	-67.52	-13	-54.52	-79.78	2.64	14.90	V
	5550	-59.37	-13	-46.37	-71.23	2.94	14.80	V
	7410	-59.17	-13	-46.17	-68.94	3.39	13.16	V
Middle	3735	-65.60	-13	-52.60	-77.86	2.64	14.90	H
	5610	-56.35	-13	-43.35	-68.21	2.94	14.80	H
	7485	-56.03	-13	-43.03	-65.80	3.39	13.16	H
	3735	-66.05	-13	-53.05	-78.31	2.64	14.90	V
	5610	-57.26	-13	-44.26	-69.12	2.94	14.80	V
	7485	-57.99	-13	-44.99	-67.76	3.39	13.16	V
Highest	3780	-65.10	-13	-52.10	-77.36	2.64	14.90	H
	5670	-57.05	-13	-44.05	-68.91	2.94	14.80	H
	7560	-55.30	-13	-42.30	-65.07	3.39	13.16	H
	3780	-66.15	-13	-53.15	-78.41	2.64	14.90	V
	5670	-58.86	-13	-45.86	-70.72	2.94	14.80	V
	7560	-58.30	-13	-45.30	-68.07	3.39	13.16	V

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



LTE Band 5 / 10 MHz / QPSK/Ant.0								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-66.24	-13	-53.24	-73.21	1.58	10.70	H
	2472	-61.15	-13	-48.15	-69.40	2.102	12.50	H
	3296	-69.02	-13	-56.02	-77.91	2.856	13.90	H
	1648	-65.45	-13	-52.45	-72.42	1.58	10.70	V
	2472	-59.56	-13	-46.56	-67.81	2.10	12.50	V
	3296	-68.98	-13	-55.98	-77.87	2.86	13.90	V
Middle	1664	-66.87	-13	-53.87	-73.84	1.58	10.70	H
	2496	-58.64	-13	-45.64	-66.89	2.102	12.50	H
	3328	-68.99	-13	-55.99	-77.88	2.856	13.90	H
	1664	-64.11	-13	-51.11	-71.08	1.58	10.70	V
	2496	-57.98	-13	-44.98	-66.23	2.10	12.50	V
	3328	-69.13	-13	-56.13	-78.02	2.86	13.90	V
Highest	1680	-65.63	-13	-52.63	-72.60	1.58	10.70	H
	2520	-63.30	-13	-50.30	-71.55	2.102	12.50	H
	3360	-68.54	-13	-55.54	-77.43	2.856	13.90	H
	1680	-63.60	-13	-50.60	-70.57	1.58	10.70	V
	2520	-61.48	-13	-48.48	-69.73	2.10	12.50	V
	3360	-68.74	-13	-55.74	-77.63	2.86	13.90	V

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

LTE Band 7 / 20 MHz / QPSK/Ant.6								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5008	-53.07	-25	-28.07	-63.28	3.03	13.24	H
	7500	-55.98	-25	-30.98	-65.43	3.56	13.01	H
	10006	-51.92	-25	-26.92	-61.44	3.92	13.44	H
	5008	-47.47	-25	-22.47	-57.68	3.03	13.24	V
	7500	-55.50	-25	-30.50	-64.95	3.56	13.01	V
	10006	-52.08	-25	-27.08	-61.60	3.92	13.44	V
Middle	5050	-54.57	-25	-29.57	-64.78	3.03	13.24	H
	7584	-56.53	-25	-31.53	-65.98	3.56	13.01	H
	10104	-51.57	-25	-26.57	-61.09	3.92	13.44	H
	5050	-45.97	-25	-20.97	-56.18	3.03	13.24	V
	7584	-55.53	-25	-30.53	-64.98	3.56	13.01	V
	10104	-51.97	-25	-26.97	-61.49	3.92	13.44	V
Highest	5106	-53.09	-25	-28.09	-63.30	3.03	13.24	H
	7654	-52.14	-25	-27.14	-61.59	3.56	13.01	H
	10202	-50.59	-25	-25.59	-60.11	3.92	13.44	H
	5106	-43.70	-25	-18.70	-53.91	3.03	13.24	V
	7654	-48.89	-25	-23.89	-58.34	3.56	13.01	V
	10202	-49.24	-25	-24.24	-58.76	3.92	13.44	V

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



LTE Band 12 / 10 MHz / QPSK/Ant.0								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-71.11	-13	-58.11	-78.08	1.58	10.70	H
	2096	-59.69	-13	-46.69	-67.94	2.102	12.50	H
	2800	-69.13	-13	-56.13	-78.02	2.856	13.90	H
	1400	-70.88	-13	-57.88	-77.85	1.58	10.70	V
	2096	-59.79	-13	-46.79	-68.04	2.10	12.50	V
	2800	-68.74	-13	-55.74	-77.63	2.86	13.90	V
Middle	1408	-69.71	-13	-56.71	-76.68	1.58	10.70	H
	2112	-57.40	-13	-44.40	-65.65	2.102	12.50	H
	2808	-68.64	-13	-55.64	-77.53	2.856	13.90	H
	1408	-69.41	-13	-56.41	-76.38	1.58	10.70	V
	2112	-56.51	-13	-43.51	-64.76	2.10	12.50	V
	2808	-69.05	-13	-56.05	-77.94	2.86	13.90	V
Highest	1416	-70.46	-13	-57.46	-77.43	1.58	10.70	H
	2120	-56.48	-13	-43.48	-64.73	2.102	12.50	H
	2824	-67.93	-13	-54.93	-76.82	2.856	13.90	H
	1416	-68.96	-13	-55.96	-75.93	1.58	10.70	V
	2120	-56.14	-13	-43.14	-64.39	2.10	12.50	V
	2824	-68.62	-13	-55.62	-77.51	2.86	13.90	V

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

LTE Band 13 / 5 MHz / QPSK / Ant.0								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1552	-67.73	-13	-54.73	-70.36	1.09	5.87	H
	2328	-66.10	-13	-53.10	-68.50	1.37	5.92	H
	3112	-68.70	-13	-55.70	-72.59	1.64	7.68	H
	1552	-66.56	-13	-53.56	-69.19	1.09	5.87	V
	2328	-67.92	-13	-54.92	-70.32	1.37	5.92	V
	3112	-68.48	-13	-55.48	-72.37	1.64	7.68	V
Middle	1560	-68.15	-42.15	-26.00	-70.78	1.09	5.87	H
	2336	-63.52	-13	-50.52	-65.92	1.37	5.92	H
	3120	-68.48	-13	-55.48	-72.37	1.64	7.68	H
	1560	-65.31	-42.15	-23.16	-67.94	1.09	5.87	V
	2336	-68.44	-13	-55.44	-70.84	1.37	5.92	V
	3120	-68.39	-13	-55.39	-72.28	1.64	7.68	V
Highest	1560	-68.45	-42.15	-26.30	-71.08	1.09	5.87	H
	2344	-61.75	-13	-48.75	-64.15	1.37	5.92	H
	3128	-68.43	-13	-55.43	-72.32	1.64	7.68	H
	1560	-69.20	-42.15	-27.05	-71.83	1.09	5.87	V
	2344	-62.49	-13	-49.49	-64.89	1.37	5.92	V
	3128	-68.37	-13	-55.37	-72.26	1.64	7.68	V

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



LTE Band 13 / 10 MHz / QPSK / Ant.0								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1552	-73.35	-13	-60.35	-75.98	1.09	5.87	H
	2336	-70.09	-13	-57.09	-72.49	1.37	5.92	H
	3112	-68.66	-13	-55.66	-72.55	1.64	7.68	H
	1552	-72.88	-13	-59.88	-75.51	1.09	5.87	V
	2336	-70.17	-13	-57.17	-72.57	1.37	5.92	V
	3112	-67.53	-13	-54.53	-71.42	1.64	7.68	V

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

LTE Band 41 / 20 MHz / QPSK / Ant.6								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4994	-60.08	-25	-35.08	-70.29	3.03	13.24	H
	7486	-58.09	-25	-33.09	-67.54	3.56	13.01	H
	9992	-53.29	-25	-28.29	-62.81	3.92	13.44	H
	4994	-59.33	-25	-34.33	-69.54	3.03	13.24	V
	7486	-58.03	-25	-33.03	-67.48	3.56	13.01	V
	9992	-53.92	-25	-28.92	-63.44	3.92	13.44	V
Middle	5162	-60.58	-25	-35.58	-70.79	3.03	13.24	H
	7752	-56.30	-25	-31.30	-65.75	3.56	13.01	H
	10342	-51.91	-25	-26.91	-61.43	3.92	13.44	H
	5162	-60.40	-25	-35.40	-70.61	3.03	13.24	V
	7752	-55.96	-25	-30.96	-65.41	3.56	13.01	V
	10342	-51.49	-25	-26.49	-61.01	3.92	13.44	V
Highest	5344	-60.60	-25	-35.60	-70.81	3.03	13.24	H
	8018	-56.19	-25	-31.19	-65.64	3.56	13.01	H
	10678	-53.05	-25	-28.05	-62.57	3.92	13.44	H
	5344	-58.29	-25	-33.29	-68.50	3.03	13.24	V
	8018	-56.01	-25	-31.01	-65.46	3.56	13.01	V
	10678	-52.79	-25	-27.79	-62.31	3.92	13.44	V

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



LTE Band 66 / 20 MHz / QPSK / Ant.0								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-67.08	-13	-54.08	-77.82	2.604	13.34	H
	5130	-58.87	-13	-45.87	-69.38	3.011	13.52	H
	6840	-57.87	-13	-44.87	-68.07	3.271	13.47	H
	3420	-68.08	-13	-55.08	-78.82	2.604	13.34	V
	5130	-59.94	-13	-46.94	-70.45	3.011	13.52	V
	6840	-58.53	-13	-45.53	-68.73	3.271	13.47	V
Middle	3465	-67.16	-13	-54.16	-77.90	2.604	13.34	H
	5205	-59.58	-13	-46.58	-70.09	3.011	13.52	H
	6945	-58.07	-13	-45.07	-68.27	3.271	13.47	H
	3465	-67.59	-13	-54.59	-78.33	2.604	13.34	V
	5205	-60.63	-13	-47.63	-71.14	3.011	13.52	V
	6945	-58.48	-13	-45.48	-68.68	3.271	13.47	V
Highest	3525	-66.90	-13	-53.90	-77.64	2.604	13.34	H
	5280	-58.22	-13	-45.22	-68.73	3.011	13.52	H
	7050	-56.70	-13	-43.70	-66.90	3.271	13.47	H
	3525	-67.49	-13	-54.49	-78.23	2.604	13.34	V
	5280	-59.88	-13	-46.88	-70.39	3.011	13.52	V
	7050	-57.41	-13	-44.41	-67.61	3.271	13.47	V

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