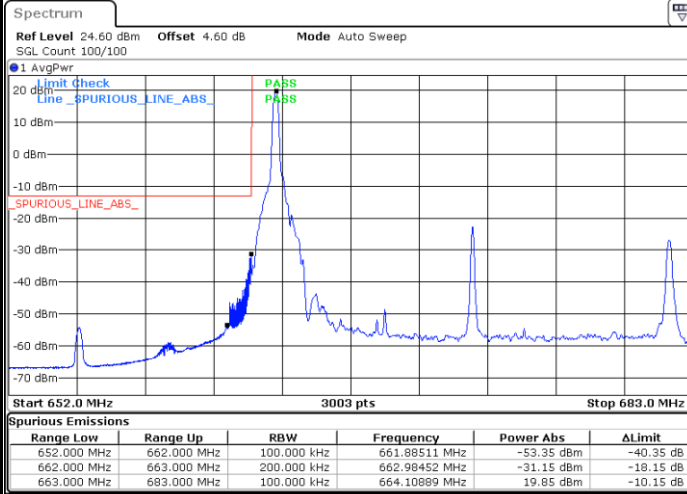




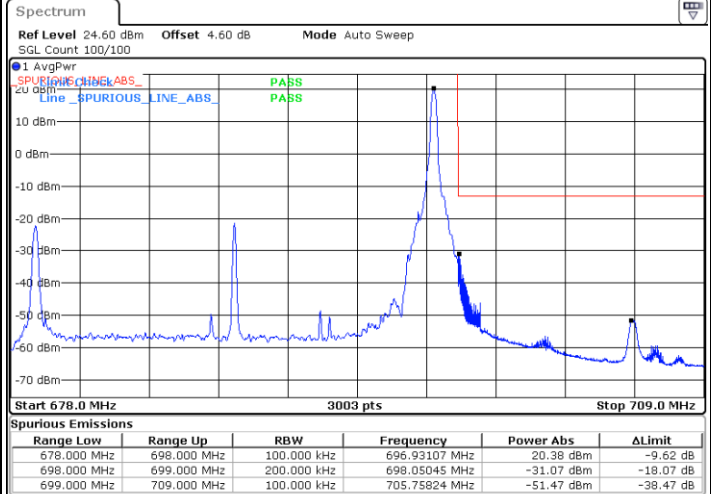
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge /1 RB



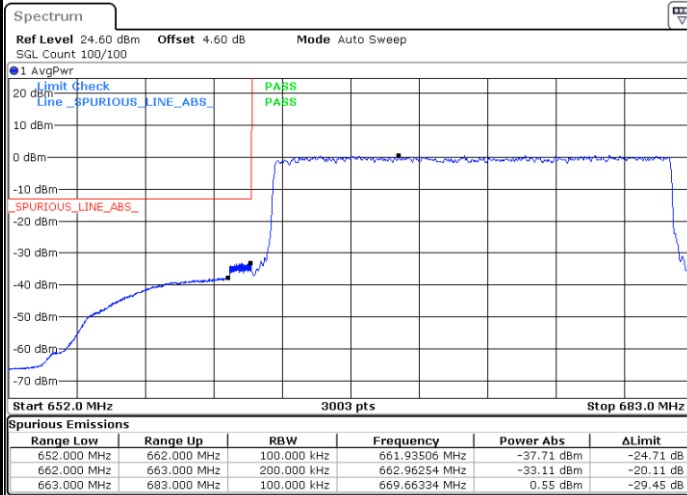
Date: 29_JUL.2023 00:27:26

Highest Band Edge / 1RB



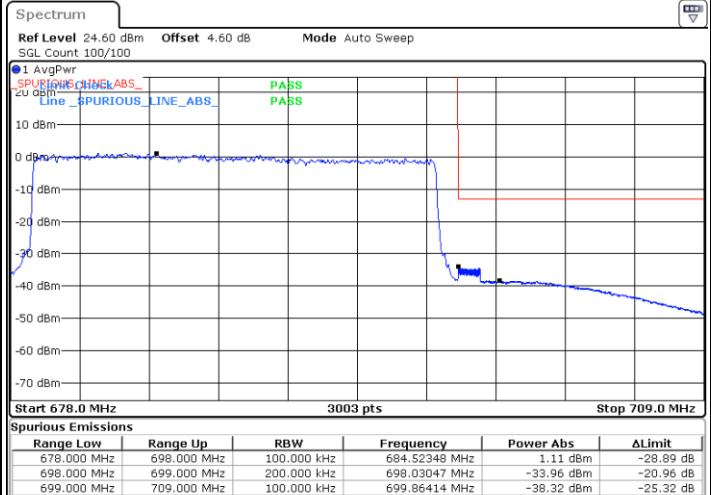
Date: 29_JUL.2023 00:32:58

Lowest Band Edge / Full RB



Date: 29_JUL.2023 00:25:45

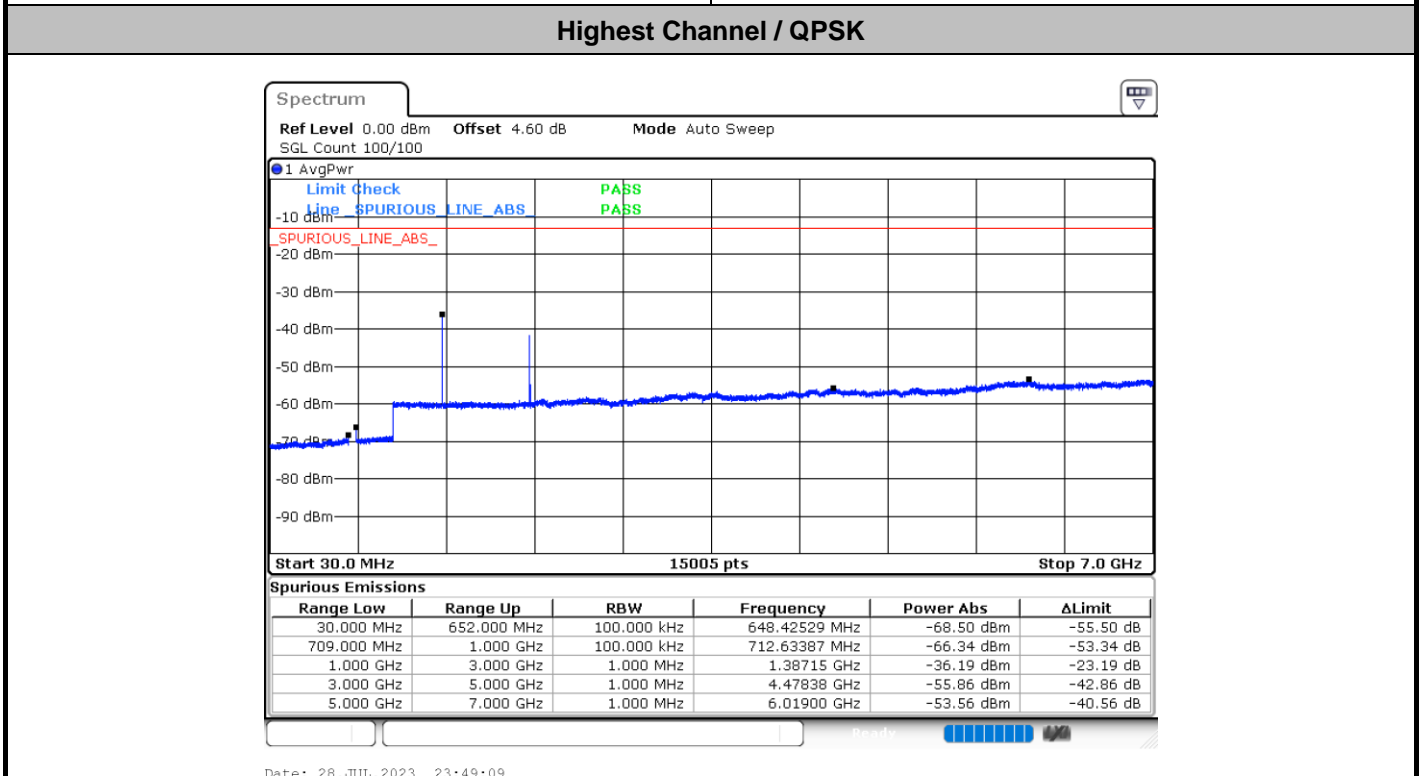
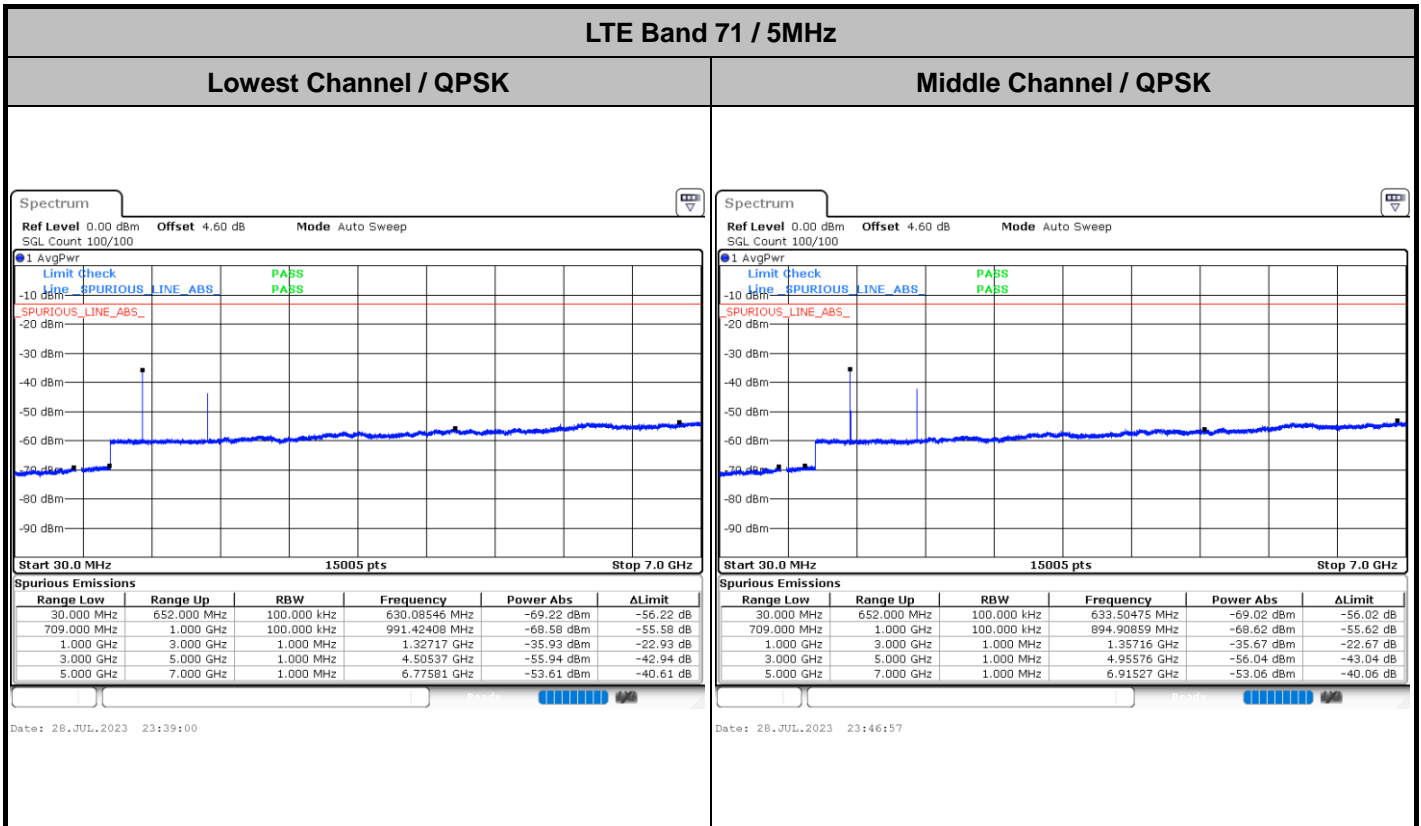
Highest Band Edge / Full RB



Date: 29_JUL.2023 00:36:22



Conducted Spurious Emission

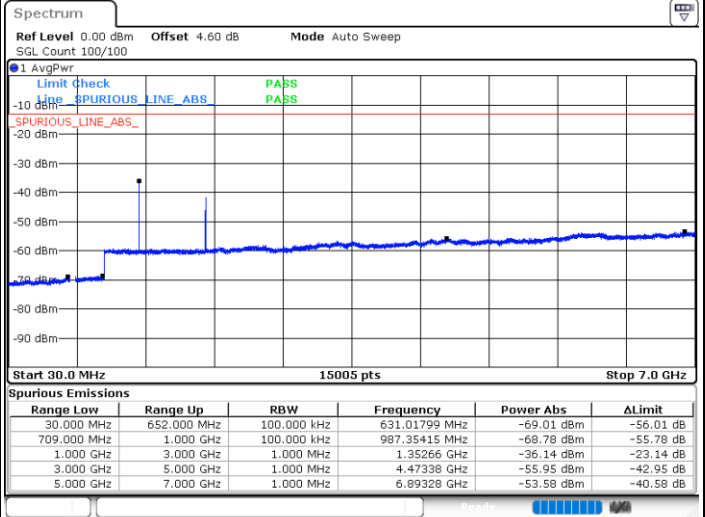
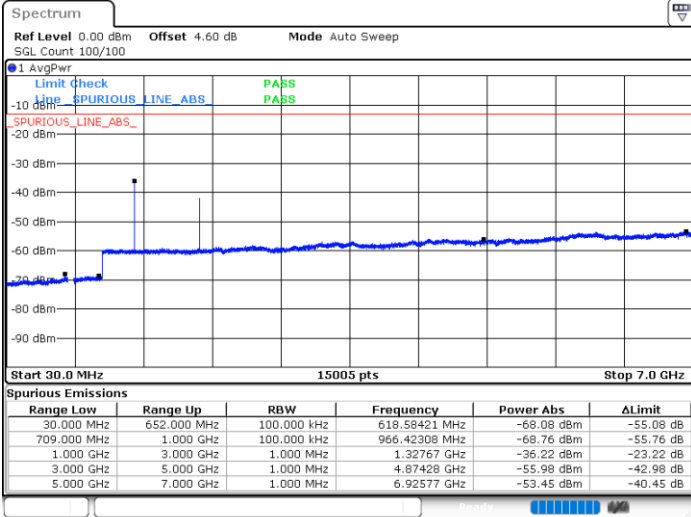




LTE Band 71 / 10MHz

Lowest Channel / QPSK

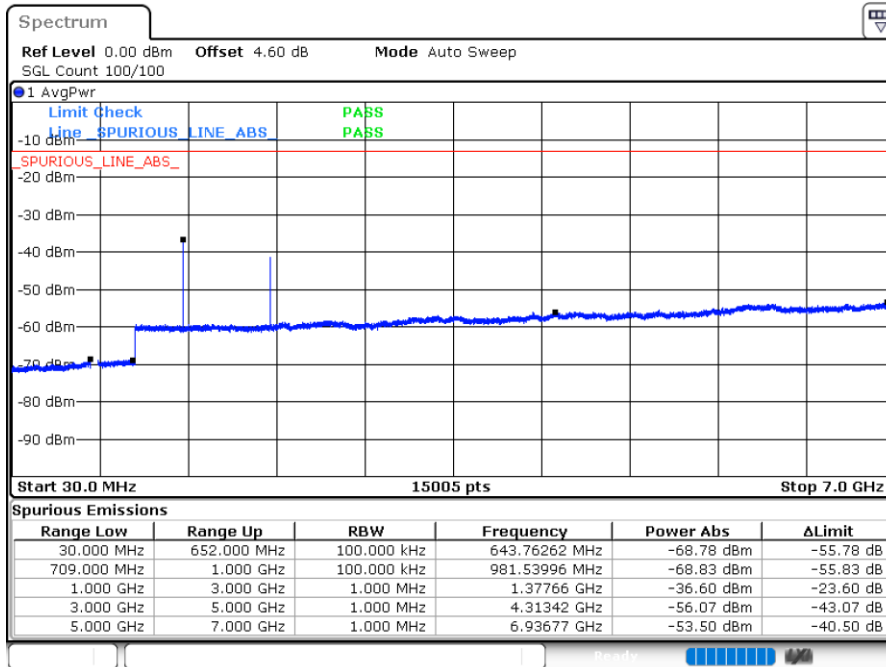
Middle Channel / QPSK



Date: 28.JUL.2023 23:59:17

Date: 29.JUL.2023 00:00:04

Highest Channel / QPSK



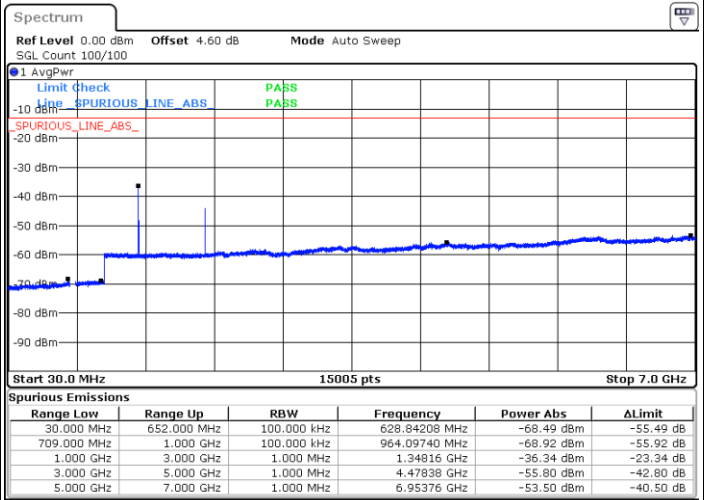
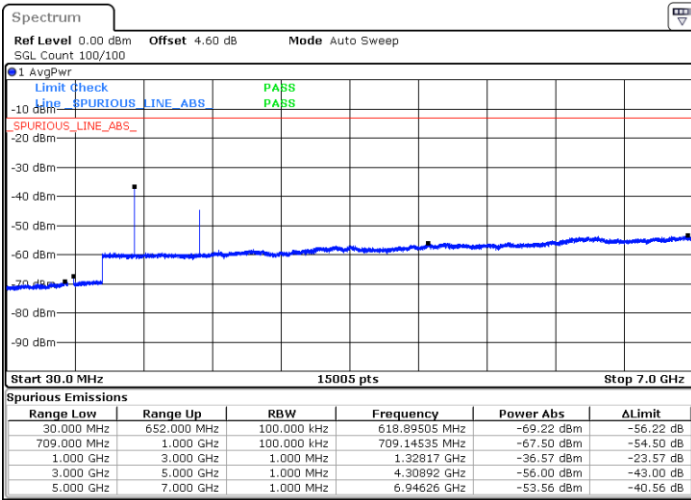
Date: 29.JUL.2023 00:02:15



LTE Band 71 / 15MHz

Lowest Channel / QPSK

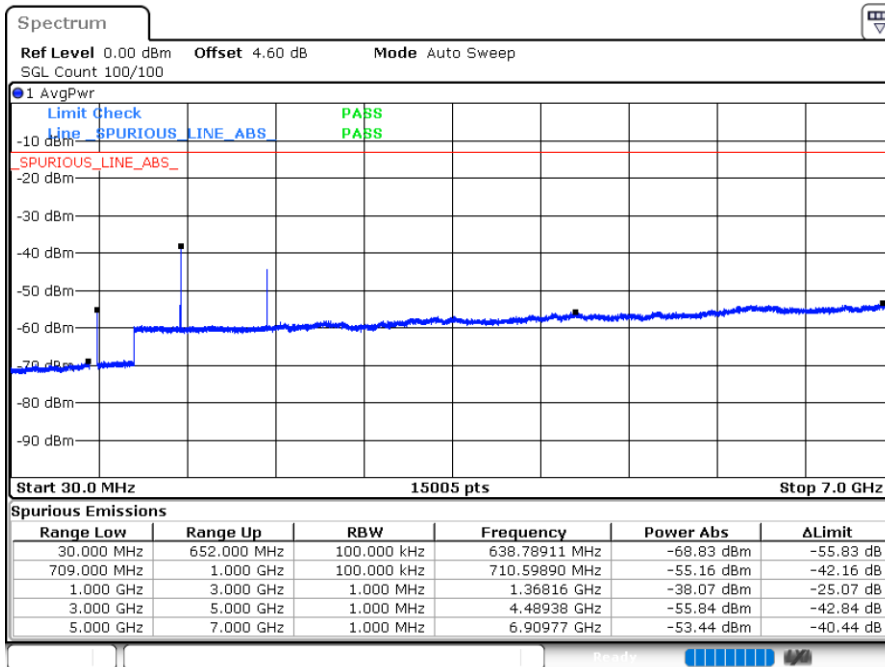
Middle Channel / QPSK



Date: 29_JUL.2023 00:13:59

Date: 29_JUL.2023 00:15:28

Highest Channel / QPSK



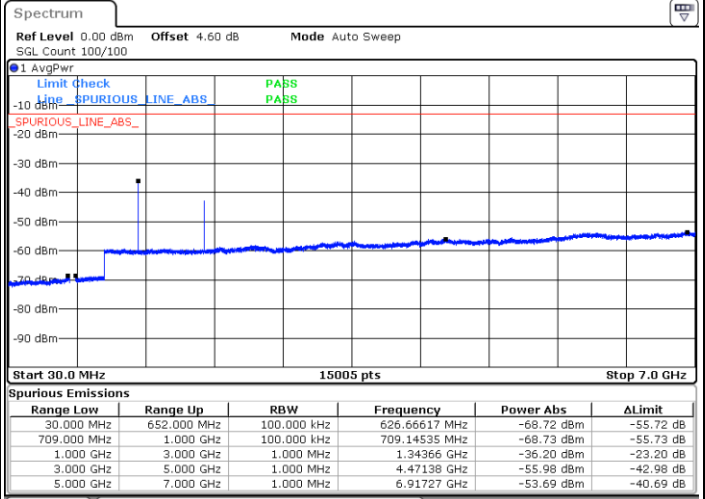
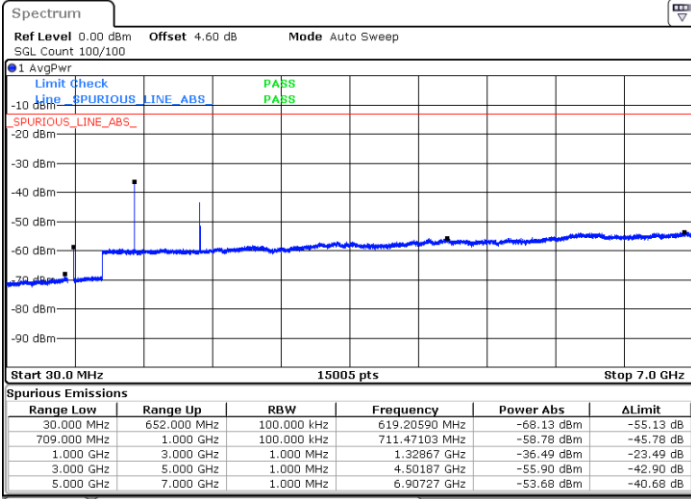
Date: 29_JUL.2023 00:17:26



LTE Band 71 / 20MHz

Lowest Channel / QPSK

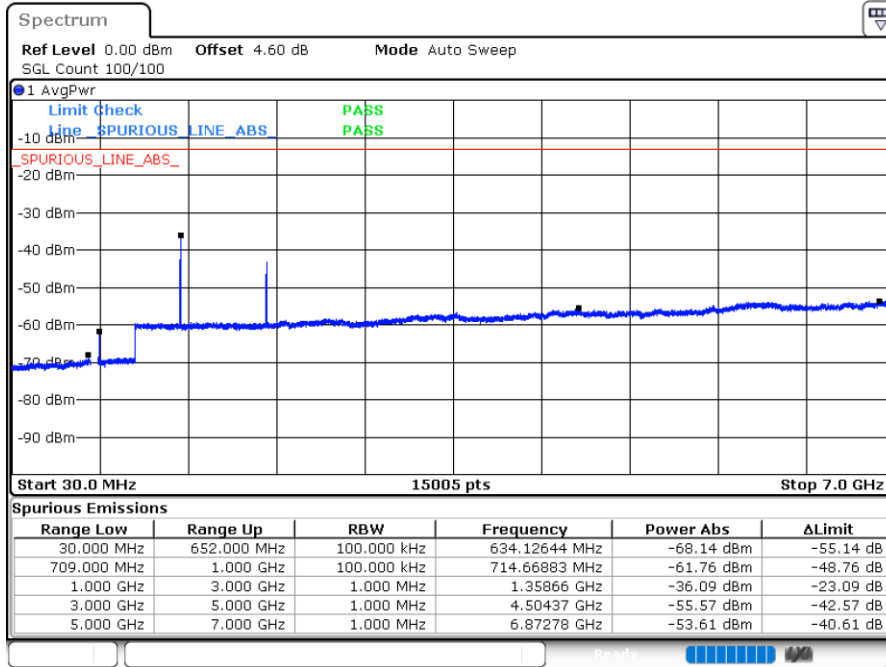
Middle Channel / QPSK



Date: 29_JUL_2023 00:27:59

Date: 29_JUL_2023 00:38:27

Highest Channel / QPSK



Date: 29_JUL_2023 00:30:31



Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0021	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.87V. ; Battery End Point (BEP) =3.5 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 :	Carl Ni	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 12 / 10MHz / QPSK / ANT0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-54.09	-13	-41.09	-61.06	1.58	10.70	H
	2096	-56.28	-13	-43.28	-64.53	2.102	12.50	H
	2800	-59.17	-13	-46.17	-68.06	2.856	13.90	H
	3496	-59.33	-13	-46.33	-67.79	2.689	13.30	H
	1400	-56.02	-13	-43.02	-62.99	1.58	10.70	V
	2096	-44.31	-13	-31.31	-52.56	2.10	12.50	V
	2800	-59.04	-13	-46.04	-67.93	2.86	13.90	V
	3496	-56.83	-13	-43.83	-65.29	2.69	13.30	V
Middle	1408	-53.26	-13	-40.26	-60.23	1.58	10.70	H
	2112	-45.94	-13	-32.94	-54.19	2.102	12.50	H
	2816	-59.92	-13	-46.92	-68.81	2.856	13.90	H
	3512	-54.48	-13	-41.48	-62.94	2.689	13.30	H
	1408	-56.15	-13	-43.15	-63.12	1.58	10.70	V
	2112	-44.90	-13	-31.90	-53.15	2.10	12.50	V
	2816	-59.72	-13	-46.72	-68.61	2.86	13.90	V
	3512	-58.14	-13	-45.14	-66.60	2.69	13.30	V
Highest	1416	-54.39	-13	-41.39	-61.36	1.58	10.70	H
	2120	-47.83	-13	-34.83	-56.08	2.102	12.50	H
	2826.36	-59.38	-13	-46.38	-68.27	2.856	13.90	H
	1416	-55.94	-13	-42.94	-62.91	1.58	10.70	V
	2120	-52.27	-13	-39.27	-60.52	2.10	12.50	V
	2826.36	-58.95	-13	-45.95	-67.84	2.86	13.90	V

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



LTE Band 13 / 5MHz / QPSK / ANT0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1552	-58.01	-13	-45.01	-60.64	1.09	5.87	H
	2328	-50.88	-13	-37.88	-53.28	1.37	5.92	H
	3109.36	-60.72	-13	-47.72	-64.61	1.64	7.68	H
	3888	-59.46	-13	-46.46	-63.34	1.72	7.75	H
	1552	-55.94	-13	-42.94	-58.57	1.09	5.87	V
	2328	-47.10	-13	-34.10	-49.50	1.37	5.92	V
	3112	-60.66	-13	-47.66	-64.55	1.64	7.68	V
	3888	-52.89	-13	-39.89	-56.77	1.72	7.75	V
Middle	1560	-54.92	-42.15	-12.77	-57.55	1.09	5.87	H
	2336	-46.69	-13	-33.69	-49.09	1.37	5.92	H
	3119.36	-60.93	-13	-47.93	-64.82	1.64	7.68	H
	3896	-55.29	-13	-42.29	-59.17	1.72	7.75	H
	1560	-53.21	-42.15	-11.06	-55.84	1.09	5.87	V
	2336	-43.27	-13	-30.27	-45.67	1.37	5.92	V
	3119.36	-60.89	-13	-47.89	-64.78	1.64	7.68	V
	3896	-54.18	-13	-41.18	-58.06	1.72	7.75	V
Highest	1568	-55.34	-42.15	-13.19	-57.97	1.09	5.87	H
	2344	-43.47	-13	-30.47	-45.87	1.37	5.92	H
	3129.36	-60.61	-13	-47.61	-64.50	1.64	7.68	H
	3912	-58.05	-13	-45.05	-61.93	1.72	7.75	H
	1568	-52.61	-42.15	-10.46	-55.24	1.09	5.87	V
	2344	-50.31	-13	-37.31	-52.71	1.37	5.92	V
	3129.36	-60.48	-13	-47.48	-64.37	1.64	7.68	V
	3912	-55.12	-13	-42.12	-59.00	1.72	7.75	V

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

LTE Band 13 / 10MHz / QPSK / ANT0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1552	-57.85	-13	-44.85	-60.48	1.09	5.87	H
	2336	-43.68	-13	-30.68	-46.08	1.37	5.92	H
	3110.36	-60.04	-13	-47.04	-63.93	1.64	7.68	H
	3888	-56.48	-13	-43.48	-60.36	1.72	7.75	H
	1552	-55.09	-13	-42.09	-57.72	1.09	5.87	V
	2336	-43.86	-13	-30.86	-46.26	1.37	5.92	V
	3110.36	-60.02	-13	-47.02	-63.91	1.64	7.68	V
	3888	-53.73	-13	-40.73	-57.61	1.72	7.75	V

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



LTE Band 25 / 20MHz / QPSK / ANT1								
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	-57.61	-13	-44.61	-69.87	2.641	14.90	H
	5550	-44.04	-13	-31.04	-55.90	2.94	14.80	H
	7410	-54.87	-13	-41.87	-64.64	3.39	13.16	H
	3705	-57.58	-13	-44.58	-69.84	2.64	14.90	V
	5550	-45.19	-13	-32.19	-57.05	2.94	14.80	V
	7410	-55.15	-13	-42.15	-64.92	3.39	13.16	V
Middle	3735	-57.88	-13	-44.88	-70.14	2.64	14.90	H
	5610	-40.96	-13	-27.96	-52.82	2.94	14.80	H
	7485	-54.65	-13	-41.65	-64.42	3.39	13.16	H
	3735	-57.52	-13	-44.52	-69.78	2.64	14.90	V
	5610	-43.50	-13	-30.50	-55.36	2.94	14.80	V
	7485	-54.46	-13	-41.46	-64.23	3.39	13.16	V
Highest	3795	-58.24	-13	-45.24	-70.50	2.64	14.90	H
	5685	-42.65	-13	-29.65	-54.51	2.94	14.80	H
	7590	-54.88	-13	-41.88	-64.65	3.39	13.16	H
	3795	-57.97	-13	-44.97	-70.23	2.64	14.90	V
	5685	-45.59	-13	-32.59	-57.45	2.94	14.80	V
	7590	-54.66	-13	-41.66	-64.43	3.39	13.16	V

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



LTE Band 26 / 15MHz / QPSK / ANT0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-63.47	-13	-50.47	-70.44	1.58	10.70	H
	2472	-49.23	-13	-36.23	-57.48	2.102	12.50	H
	3296	-61.12	-13	-48.12	-70.01	2.856	13.90	H
	4120	-54.17	-13	-41.17	-62.63	2.689	13.30	H
	1648	-60.79	-13	-47.79	-67.76	1.58	10.70	V
	2472	-49.45	-13	-36.45	-57.70	2.10	12.50	V
	3296	-60.62	-13	-47.62	-69.51	2.86	13.90	V
Middle	4120	-59.00	-13	-46.00	-67.46	2.69	13.30	V
	1656	-62.52	-13	-49.52	-69.49	1.58	10.70	H
	2488	-43.09	-13	-30.09	-51.34	2.102	12.50	H
	3320	-60.88	-13	-47.88	-69.77	2.856	13.90	H
	4152	-58.18	-13	-45.18	-66.64	2.689	13.30	H
	1656	-61.87	-13	-48.87	-68.84	1.58	10.70	V
	2488	-48.22	-13	-35.22	-56.47	2.10	12.50	V
Highest	3320	-60.57	-13	-47.57	-69.46	2.86	13.90	V
	4152	-59.91	-13	-46.91	-68.37	2.69	13.30	V
	1672	-62.06	-13	-49.06	-69.03	1.58	10.70	H
	2504	-44.25	-13	-31.25	-52.50	2.102	12.50	H
	3336	-61.04	-13	-48.04	-69.93	2.856	13.90	H
	4176	-58.44	-13	-45.44	-66.90	2.689	13.30	H
	1672	-62.04	-13	-49.04	-69.01	1.58	10.70	V
	2504	-49.62	-13	-36.62	-57.87	2.10	12.50	V
3336	-61.56	-13	-48.56	-70.45	2.86	13.90	V	
4176	-60.68	-13	-47.68	-69.14	2.69	13.30	V	

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



LTE Band 66 / 20MHz / QPSK / ANT1								
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	-57.74	-13	-44.74	-68.48	2.604	13.34	H
	5130	-42.23	-13	-29.23	-52.74	3.011	13.52	H
	6840	-56.37	-13	-43.37	-66.57	3.271	13.47	H
	3420	-58.06	-13	-45.06	-68.80	2.604	13.34	V
	5130	-36.87	-13	-23.87	-47.38	3.011	13.52	V
	6840	-56.45	-13	-43.45	-66.65	3.271	13.47	V
Middle	3465	-57.91	-13	-44.91	-68.65	2.604	13.34	H
	5205	-40.87	-13	-27.87	-51.38	3.011	13.52	H
	6945	-56.43	-13	-43.43	-66.63	3.271	13.47	H
	3465	-58.22	-13	-45.22	-68.96	2.604	13.34	V
	5205	-46.35	-13	-33.35	-56.86	3.011	13.52	V
	6945	-56.24	-13	-43.24	-66.44	3.271	13.47	V
Highest	3525	-57.89	-13	-44.89	-68.63	2.604	13.34	H
	5280	-40.34	-13	-27.34	-50.85	3.011	13.52	H
	7050	-56.42	-13	-43.42	-66.62	3.271	13.47	H
	3525	-58.23	-13	-45.23	-68.97	2.604	13.34	V
	5280	-43.82	-13	-30.82	-54.33	3.011	13.52	V
	7050	-56.28	-13	-43.28	-66.48	3.271	13.47	V

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



LTE Band 71 / 20MHz / QPSK / ANT0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1328	-66.87	-13	-53.87	-68.62	1.02	4.92	H
	1992	-50.98	-13	-37.98	-52.95	1.27	5.39	H
	2656	-61.13	-13	-48.13	-64.06	1.49	6.57	H
	3320	-59.79	-13	-46.79	-63.19	1.73	7.28	H
	1328	-63.94	-13	-50.94	-65.69	1.02	4.92	V
	1992	-48.83	-13	-35.83	-50.80	1.27	5.39	V
	2656	-60.63	-13	-47.63	-63.56	1.49	6.57	V
Middle	3448	-56.40	-13	-43.40	-59.80	1.73	7.28	V
	1344	-61.71	-13	-48.71	-63.46	1.02	4.92	H
	2024	-50.19	-13	-37.19	-52.16	1.27	5.39	H
	2696	-61.27	-13	-48.27	-64.20	1.49	6.57	H
	1344	-61.60	-13	-48.60	-63.35	1.02	4.92	V
	2024	-49.03	-13	-36.03	-51.00	1.27	5.39	V
Highest	2696	-60.53	-13	-47.53	-63.46	1.49	6.57	V
	1360	-55.69	-13	-42.69	-57.44	1.02	4.92	H
	2040	-45.92	-13	-32.92	-47.89	1.27	5.39	H
	2712	-60.37	-13	-47.37	-63.30	1.49	6.57	H
	1360	-52.77	-13	-39.77	-54.52	1.02	4.92	V
	2040	-45.93	-13	-32.93	-47.90	1.27	5.39	V
	2716	-60.62	-13	-47.62	-63.55	1.49	6.57	V

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