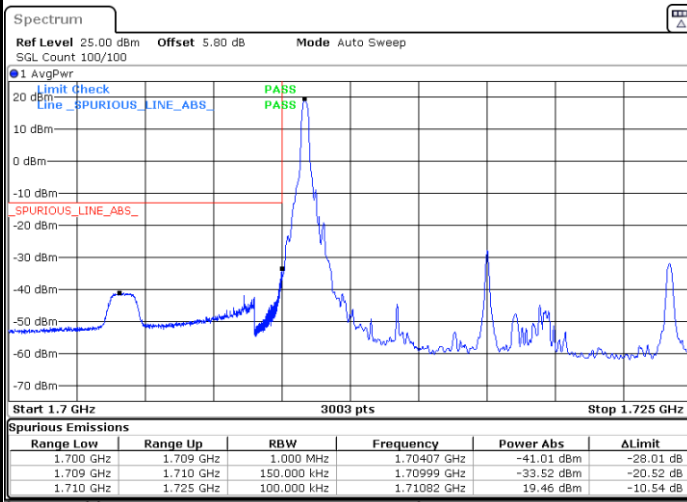




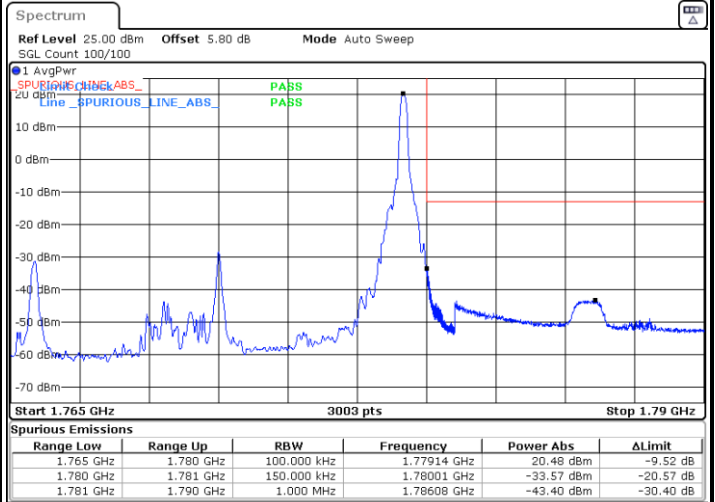
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



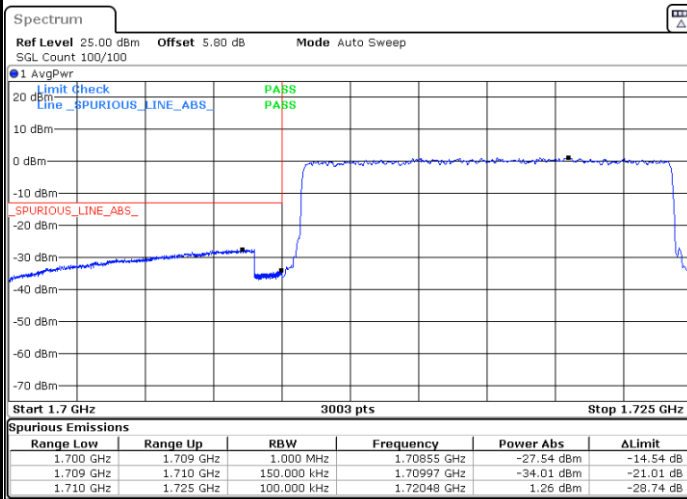
Date: 1.AUG.2023 16:50:16

Highest Band Edge / 1 RB



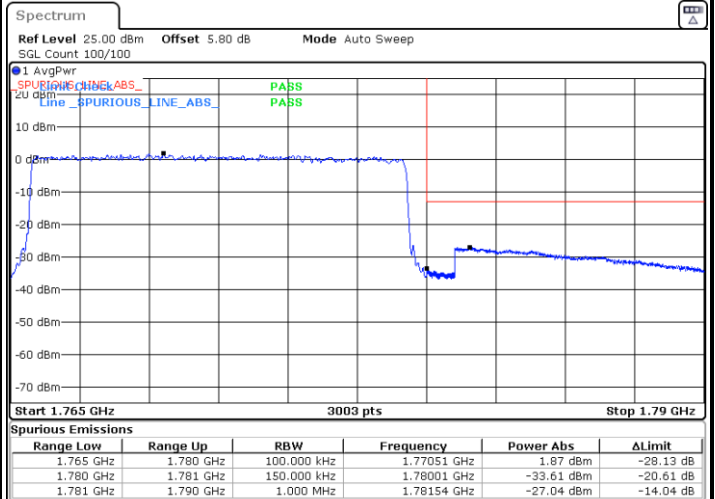
Date: 1.AUG.2023 17:05:04

Lowest Band Edge / Full RB



Date: 1.AUG.2023 16:55:36

Highest Band Edge / Full RB

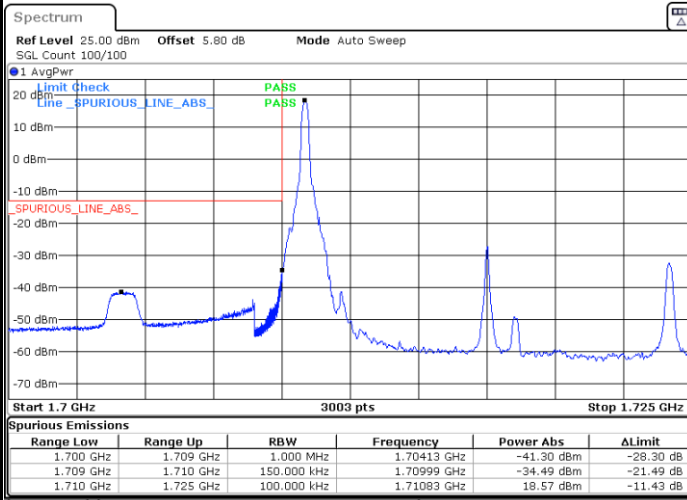


Date: 1.AUG.2023 17:10:24

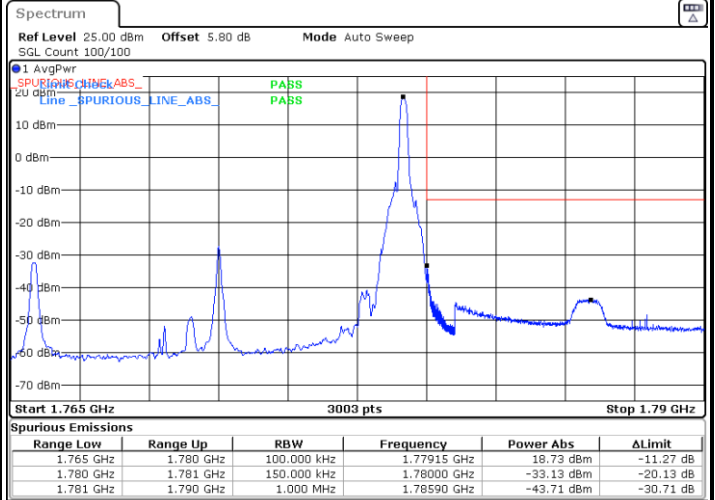


LTE Band 66 / 15MHz / 64QAM

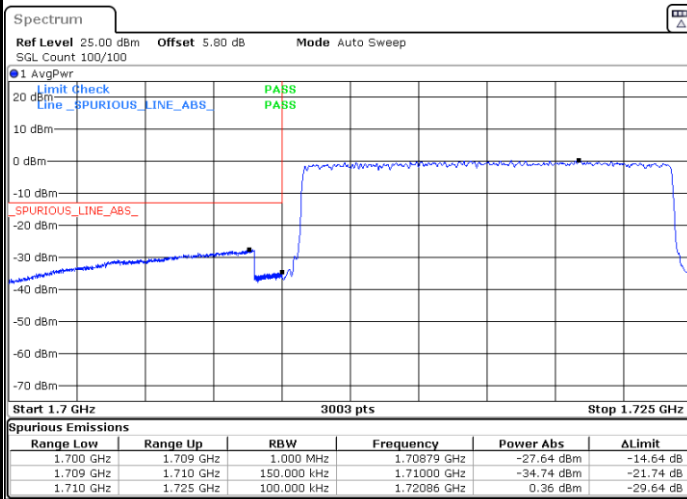
Lowest Band Edge / 1 RB



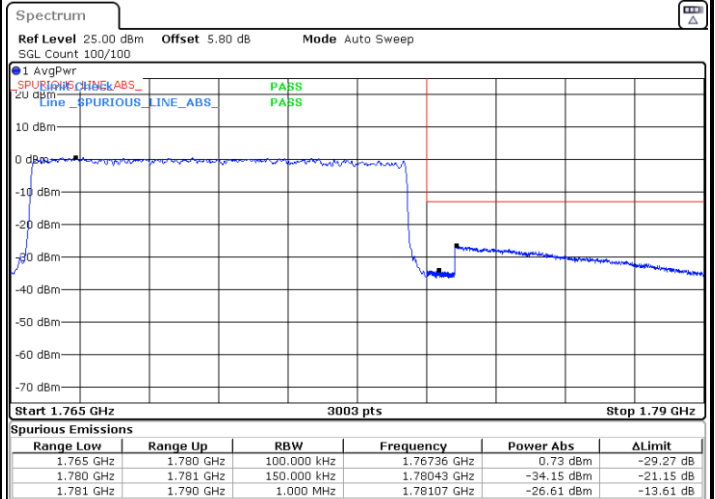
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



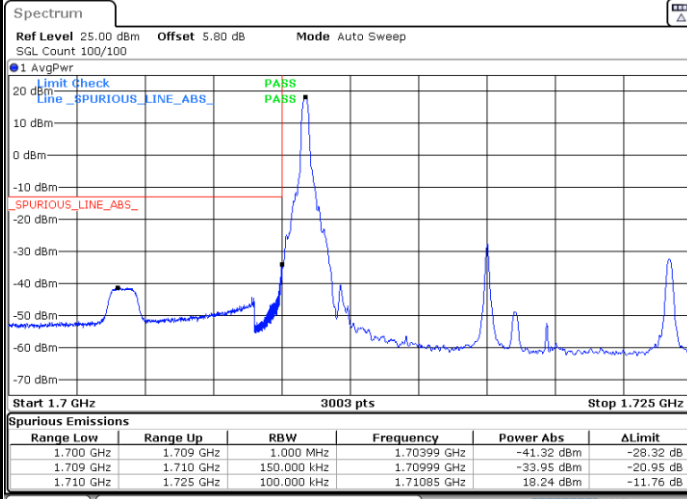
Highest Band Edge / Full RB





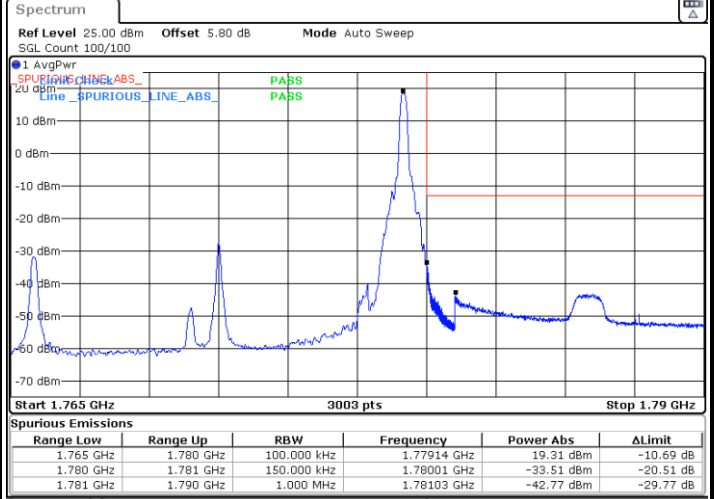
LTE Band 66 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



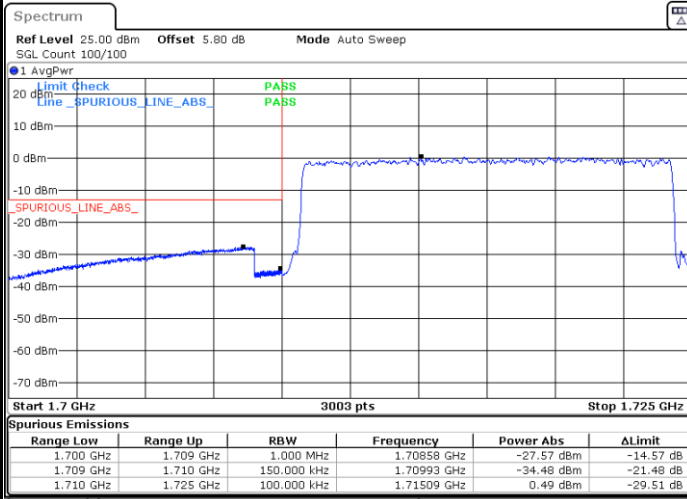
Date: 1.AUG.2023 16:52:55

Highest Band Edge / 1 RB



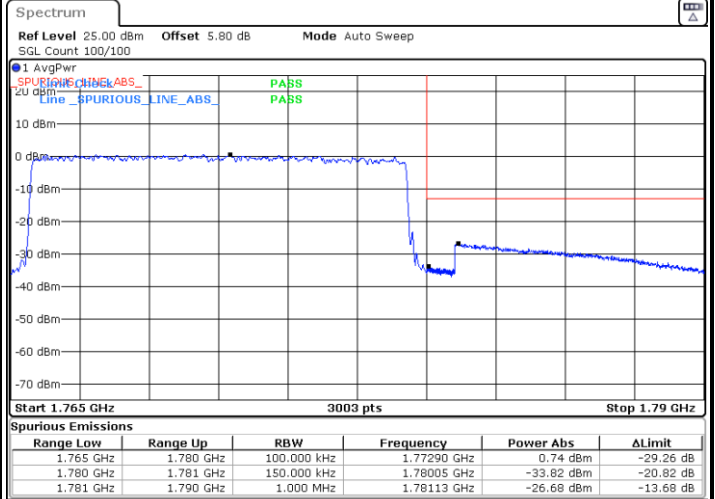
Date: 1.AUG.2023 17:07:44

Lowest Band Edge / Full RB



Date: 1.AUG.2023 16:58:16

Highest Band Edge / Full RB

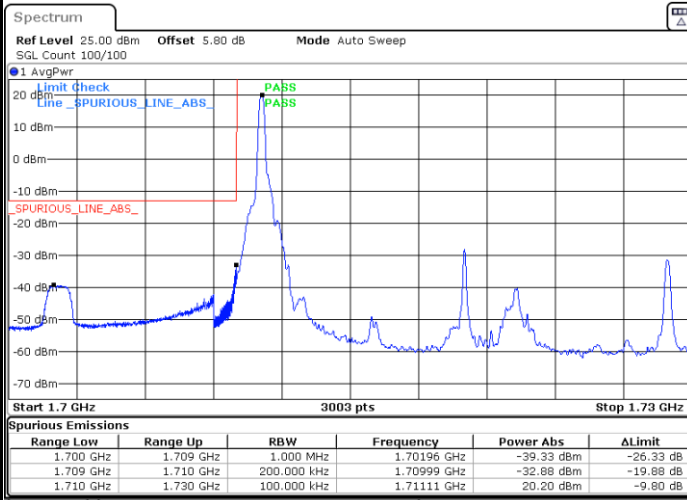


Date: 1.AUG.2023 17:13:04



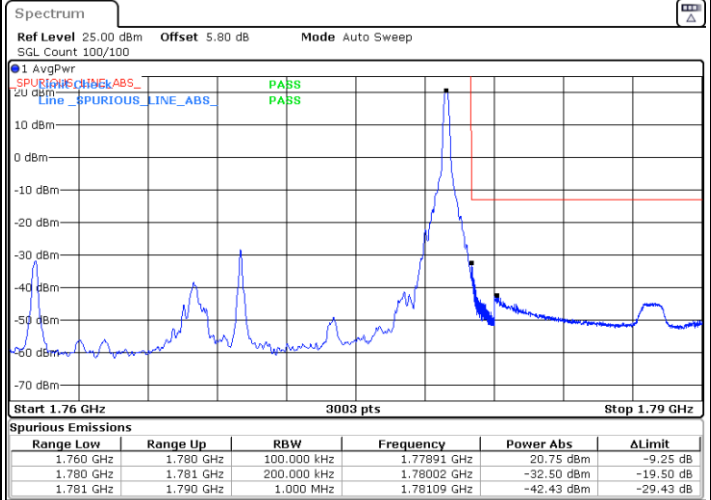
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



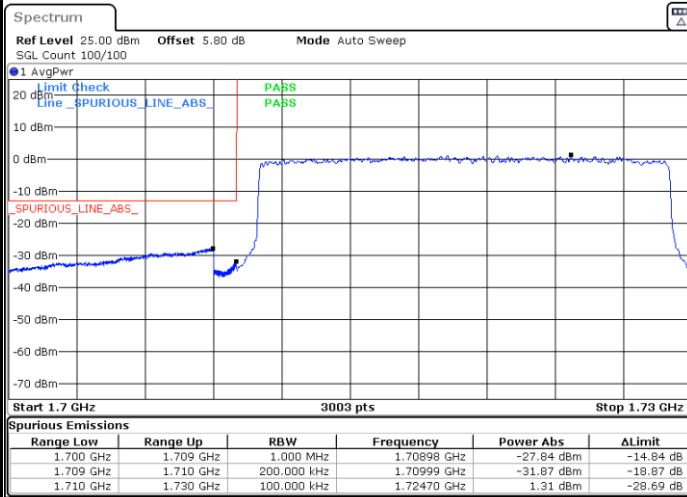
Date: 1.AUG.2023 17:15:44

Highest Band Edge / 1 RB



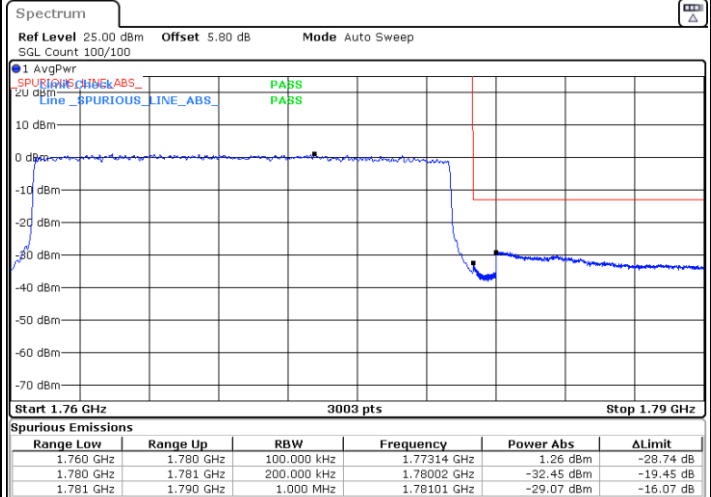
Date: 1.AUG.2023 17:30:09

Lowest Band Edge / Full RB



Date: 1.AUG.2023 17:22:09

Highest Band Edge / Full RB

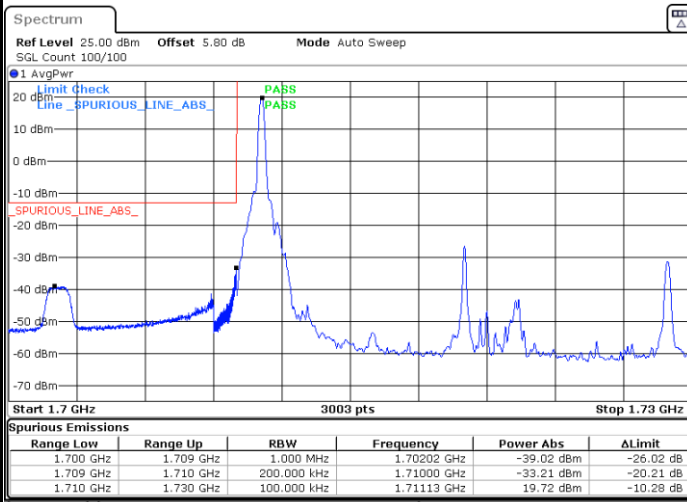


Date: 1.AUG.2023 17:35:30



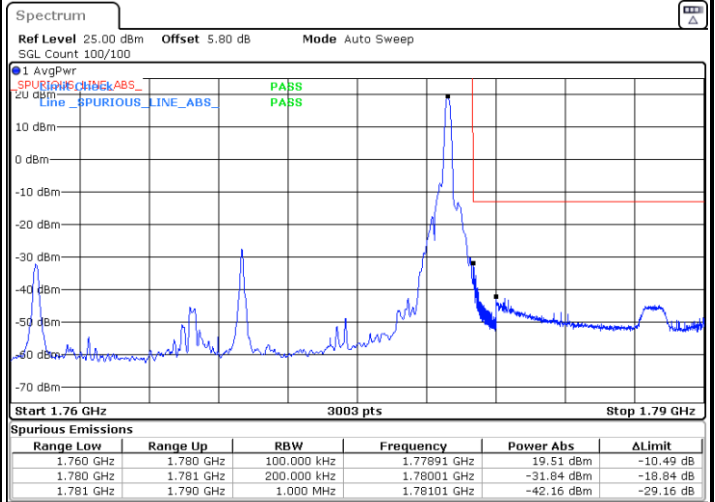
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



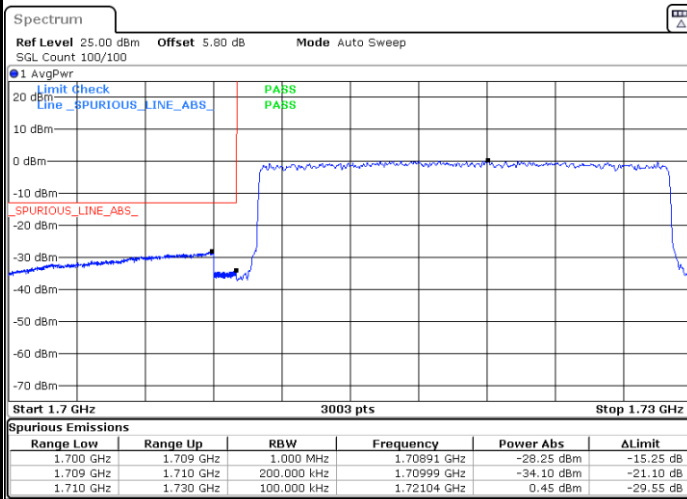
Date: 1.AUG.2023 17:17:05

Highest Band Edge / 1 RB



Date: 1.AUG.2023 17:31:29

Lowest Band Edge / Full RB



Date: 1.AUG.2023 17:23:29

Highest Band Edge / Full RB

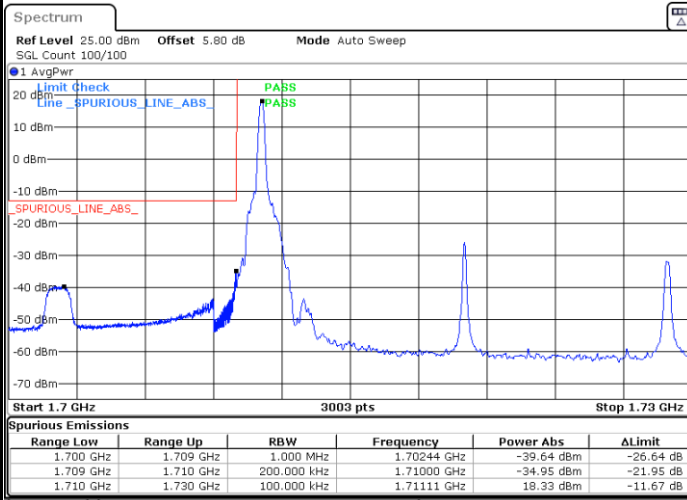


Date: 1.AUG.2023 17:36:50



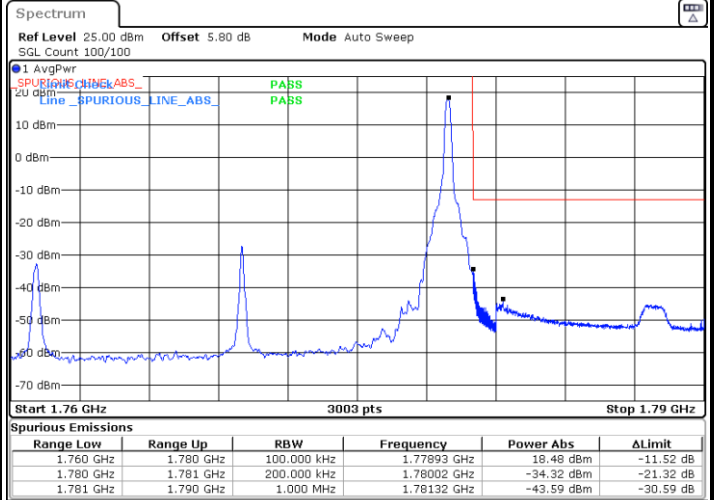
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



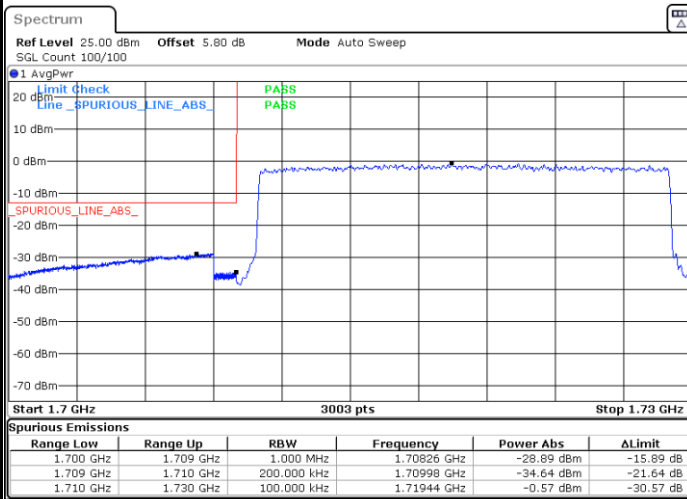
Date: 1.AUG.2023 17:18:25

Highest Band Edge / 1 RB



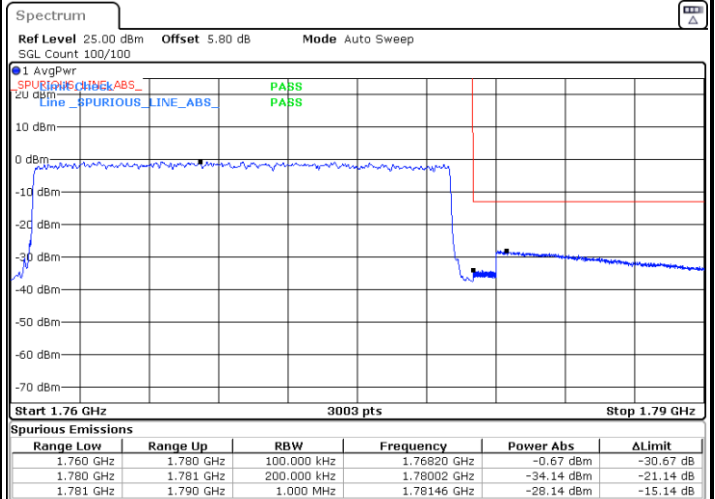
Date: 1.AUG.2023 17:32:50

Lowest Band Edge / Full RB



Date: 1.AUG.2023 17:24:49

Highest Band Edge / Full RB



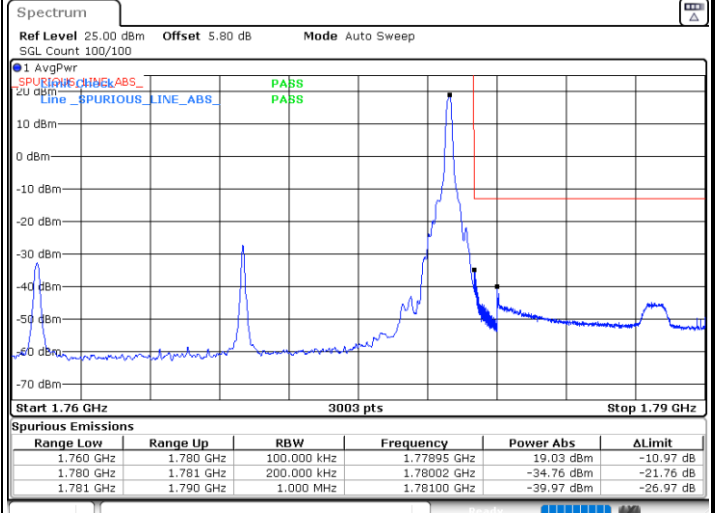
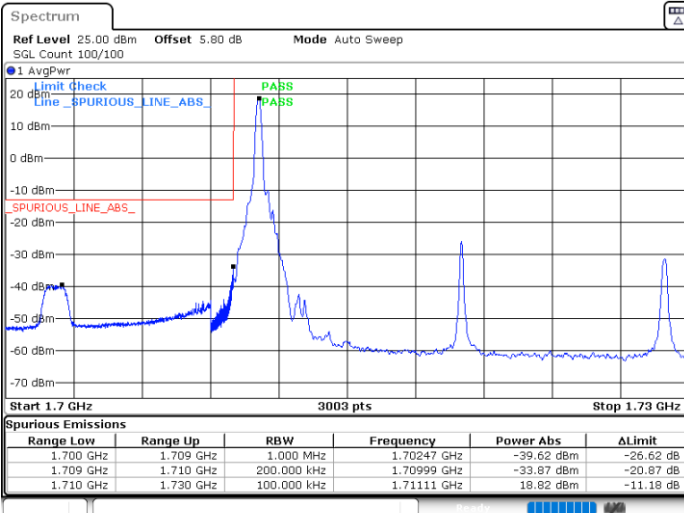
Date: 1.AUG.2023 17:38:10



LTE Band 66 / 20MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

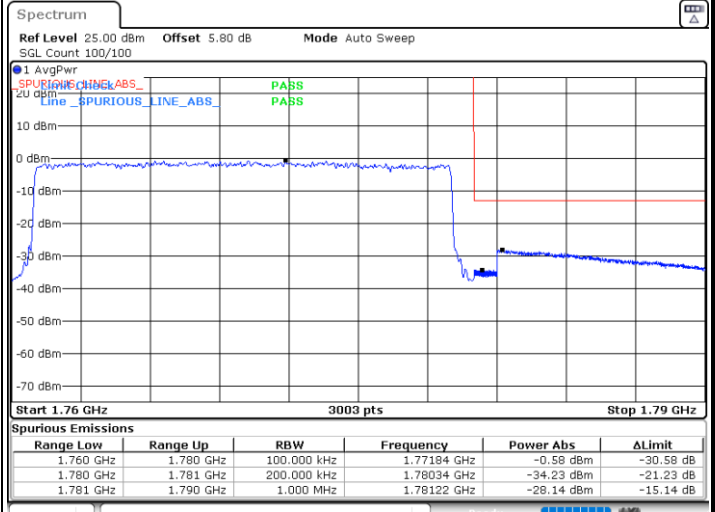
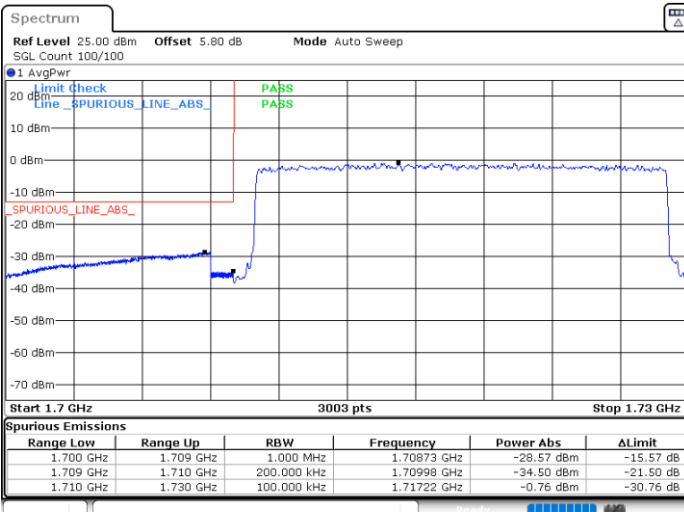


Date: 1.AUG.2023 17:19:45

Date: 1.AUG.2023 17:34:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

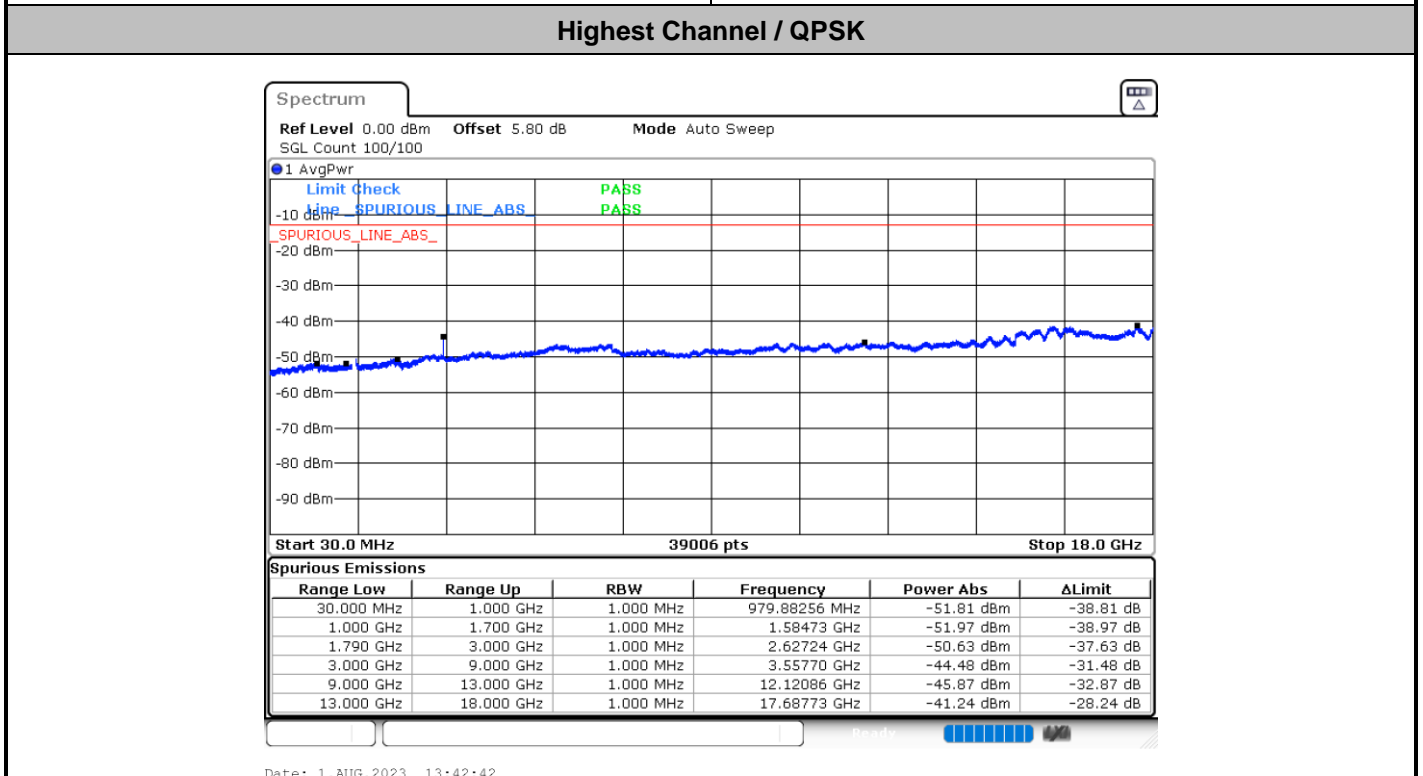
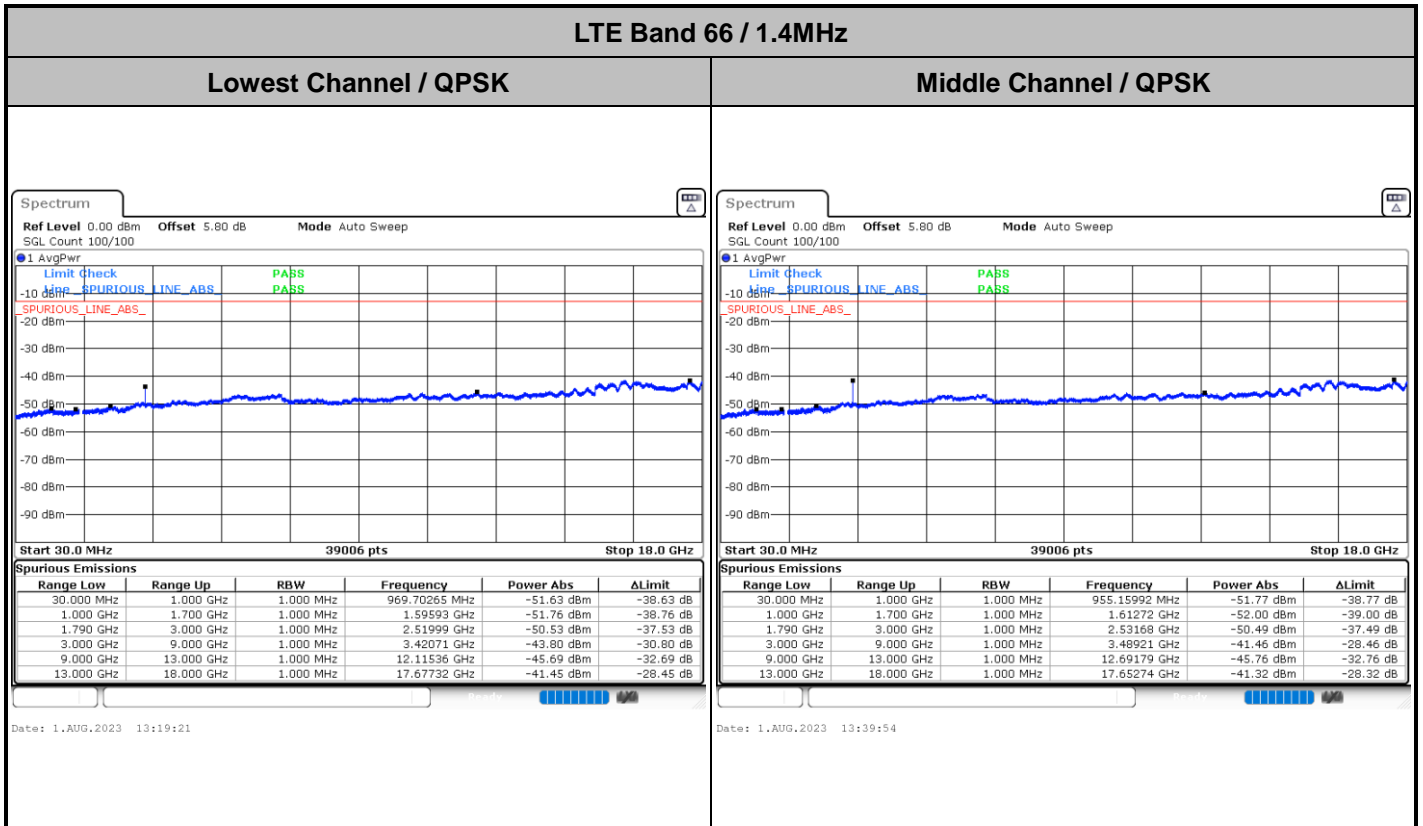


Date: 1.AUG.2023 17:26:09

Date: 1.AUG.2023 17:39:30



# Conducted Spurious Emission



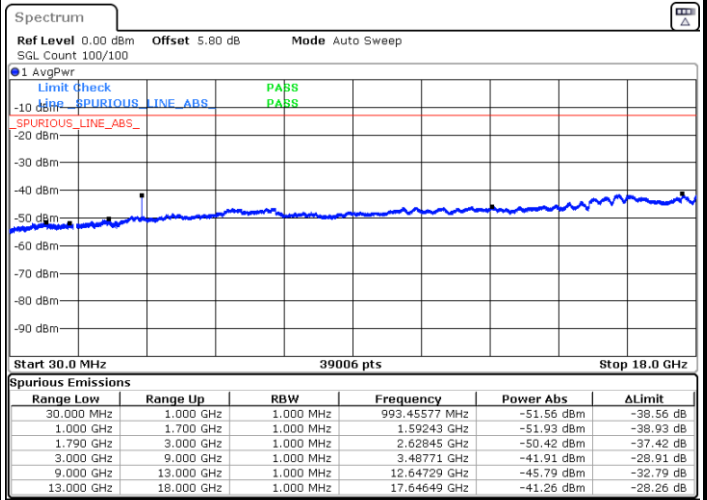
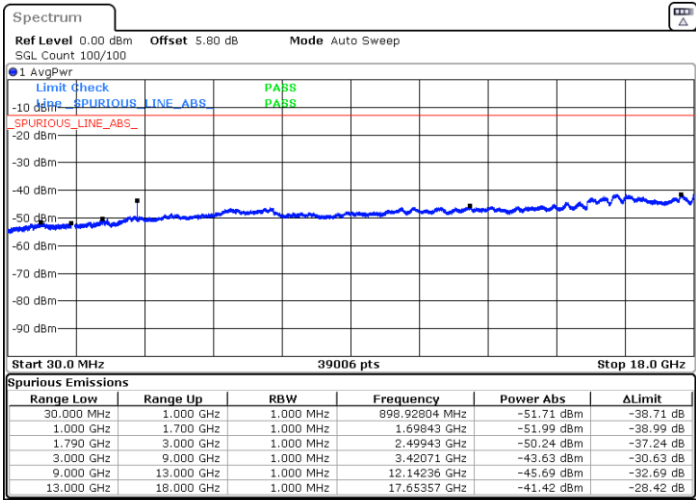




LTE Band 66 / 3MHz

Lowest Channel / QPSK

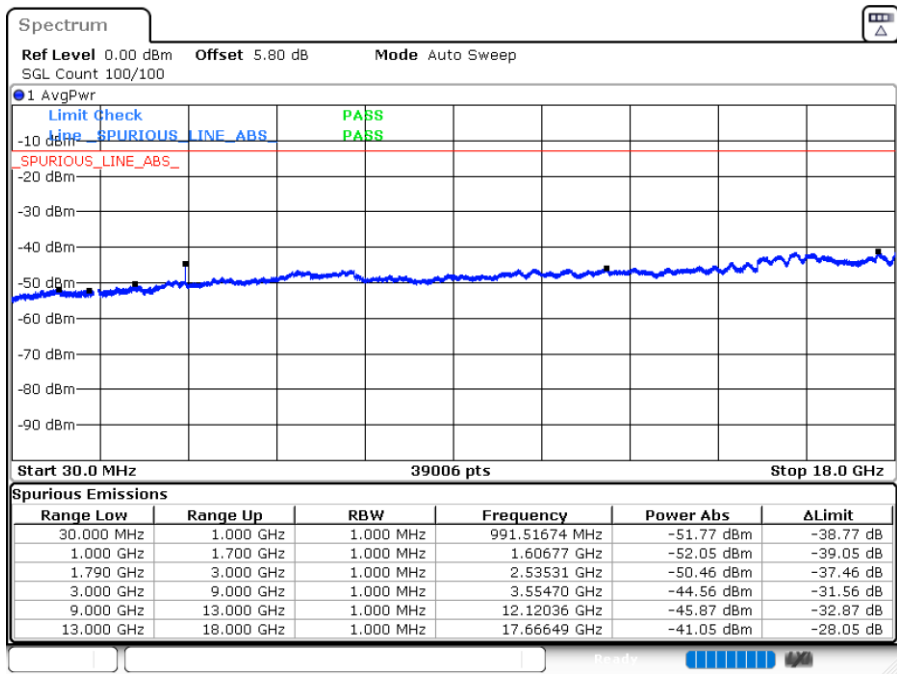
Middle Channel / QPSK



Date: 1.AUG.2023 14:07:07

Date: 1.AUG.2023 14:32:03

Highest Channel / QPSK



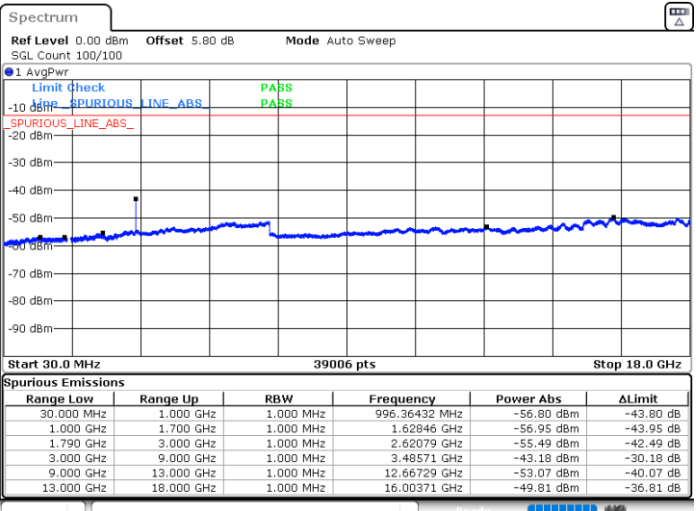
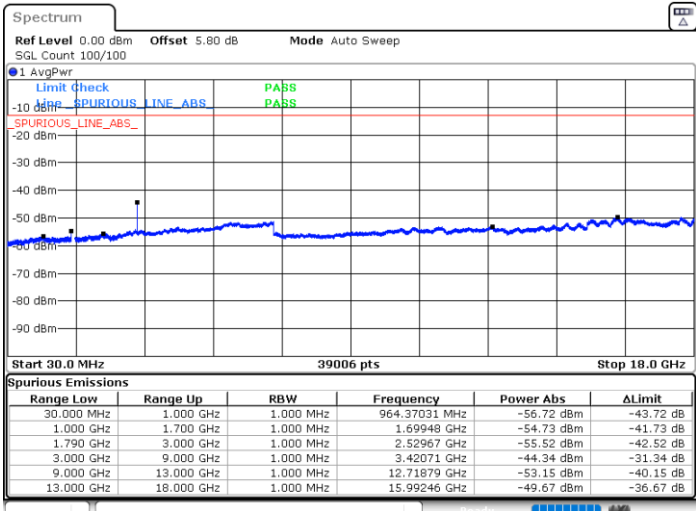
Date: 1.AUG.2023 15:36:18



LTE Band 66 / 5MHz

Lowest Channel / QPSK

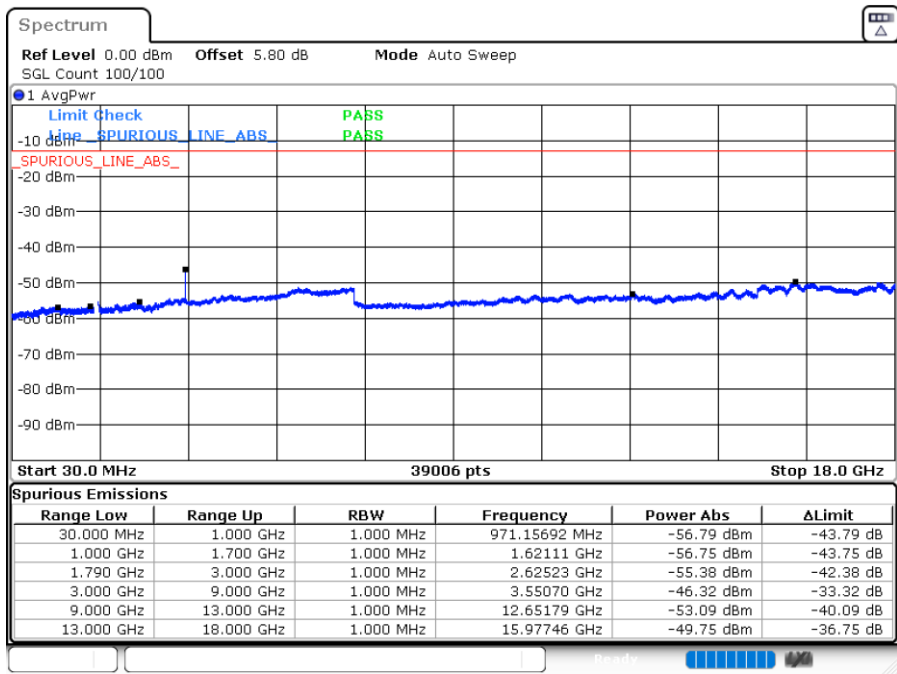
Middle Channel / QPSK



Date: 1.AUG.2023 15:52:42

Date: 1.AUG.2023 16:04:42

Highest Channel / QPSK



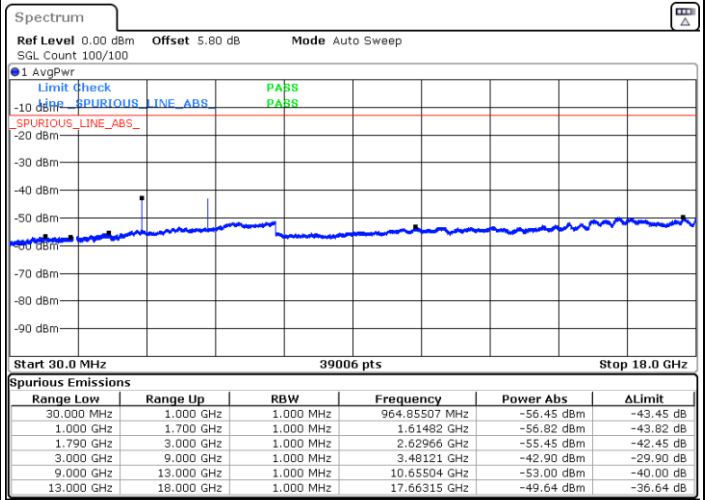
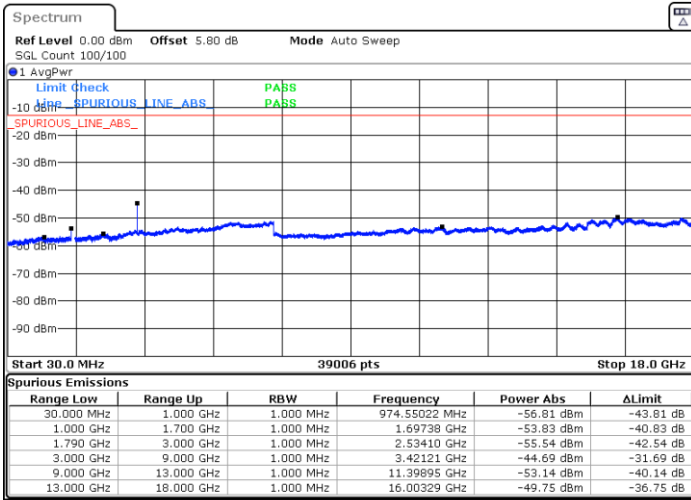
Date: 1.AUG.2023 16:07:29



LTE Band 66 / 10MHz

Lowest Channel / QPSK

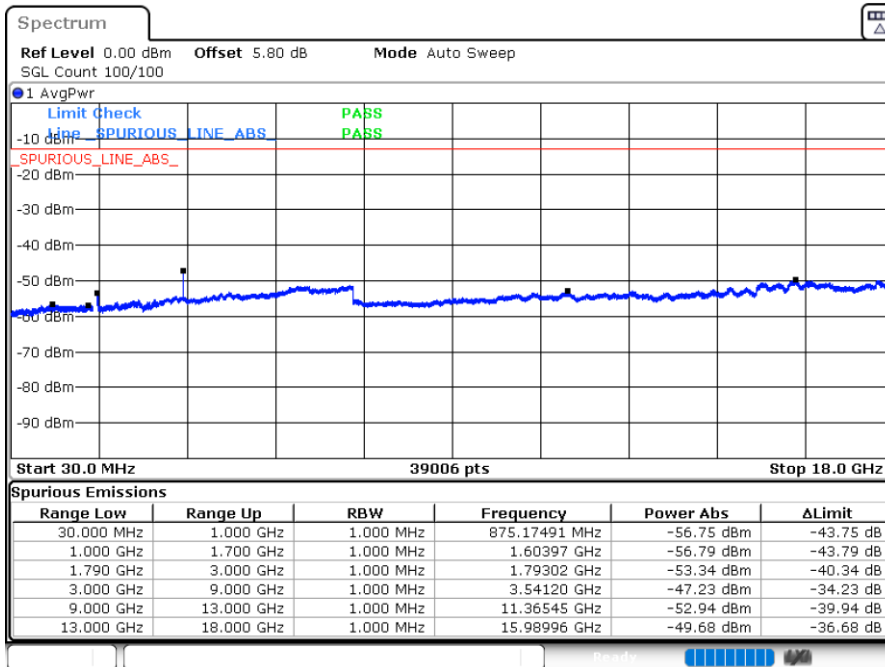
Middle Channel / QPSK



Date: 1.AUG.2023 16:19:30

Date: 1.AUG.2023 16:32:37

Highest Channel / QPSK



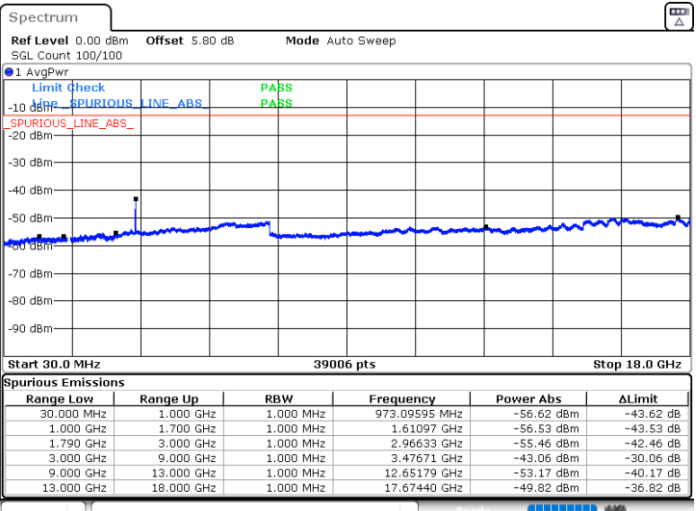
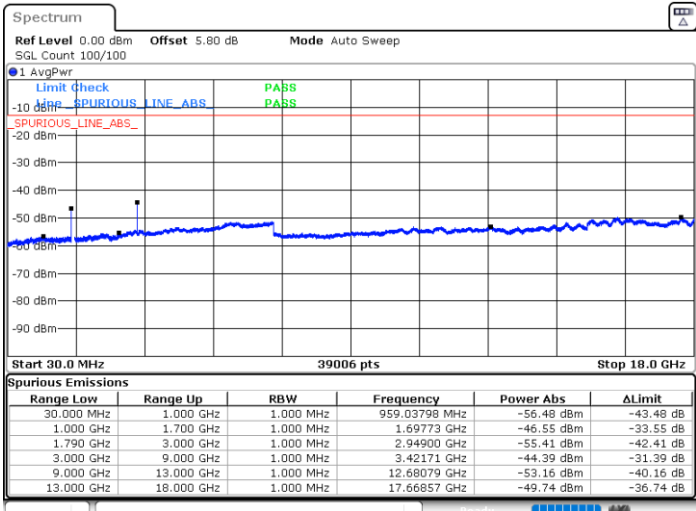
Date: 1.AUG.2023 16:35:25



LTE Band 66 / 15MHz

Lowest Channel / QPSK

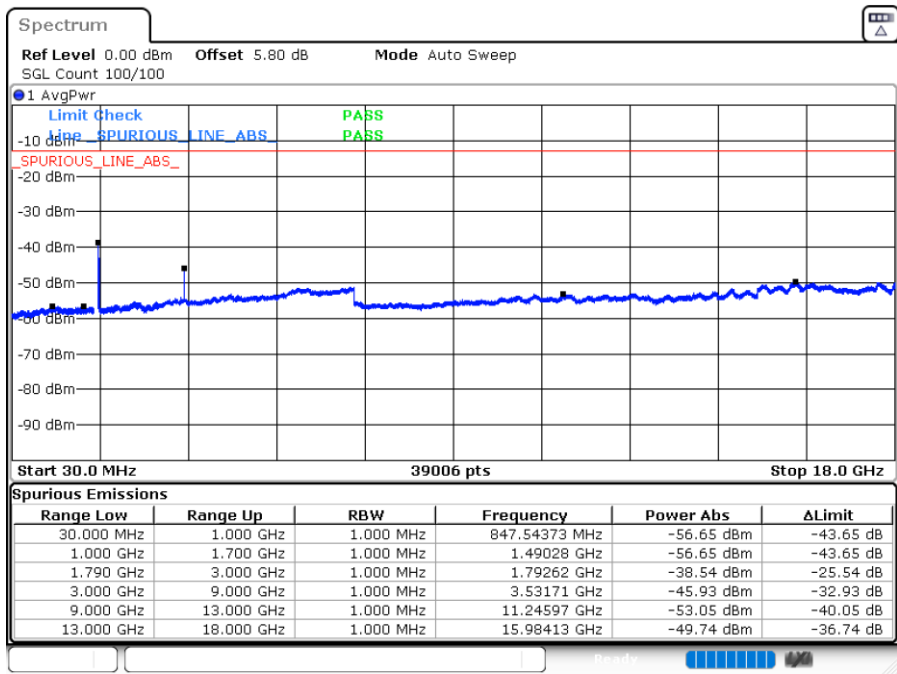
Middle Channel / QPSK



Date: 1.AUG.2023 16:47:28

Date: 1.AUG.2023 16:59:36

Highest Channel / QPSK



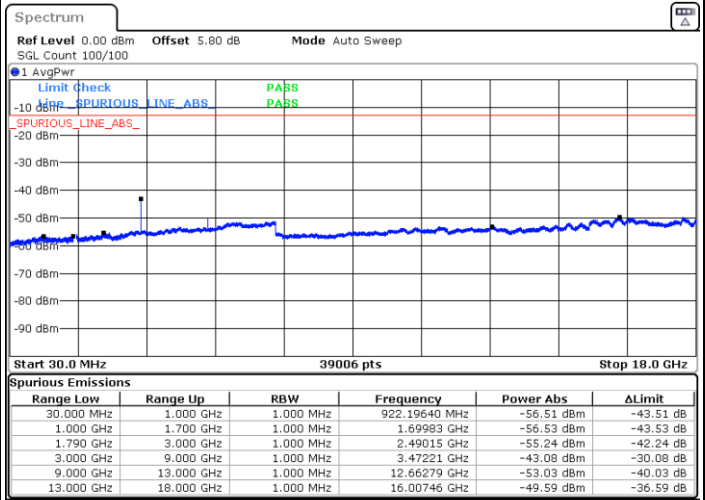
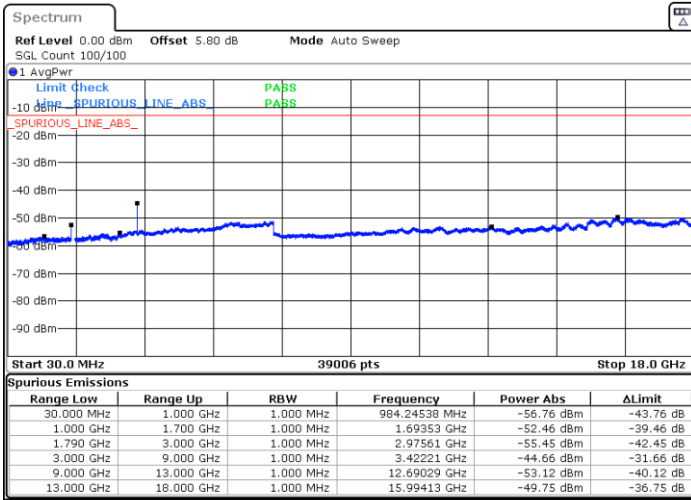
Date: 1.AUG.2023 17:02:24



LTE Band 66 / 20MHz

Lowest Channel / QPSK

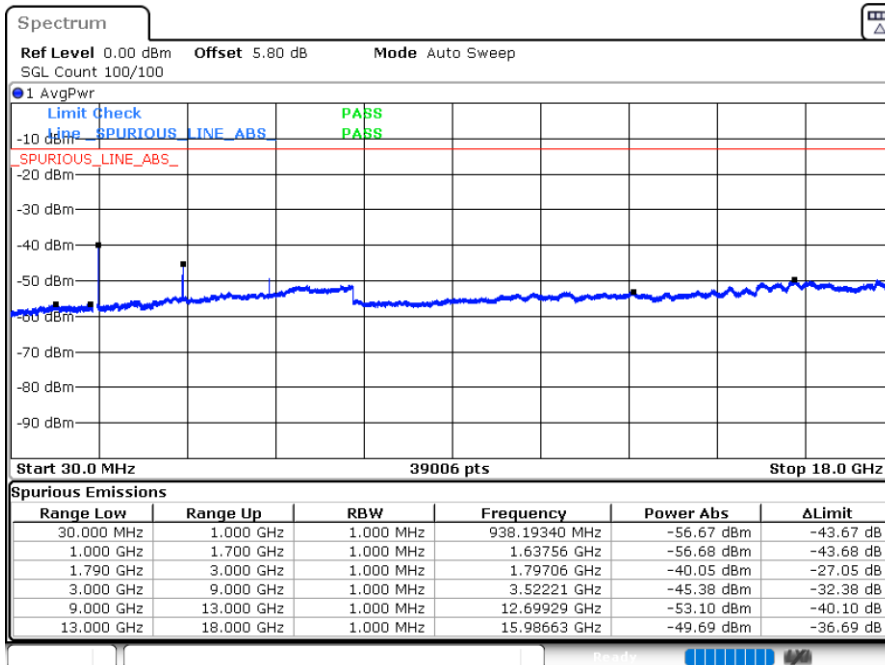
Middle Channel / QPSK



Date: 1.AUG.2023 17:14:24

Date: 1.AUG.2023 17:27:29

Highest Channel / QPSK



Date: 1.AUG.2023 17:28:49



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	0.0013	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0012	
20	Minimum Voltage	0.0026	

Note:

1. Normal Voltage =3.8 V. ; Minimum Voltage =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

Test Engineer :	Simle Wang	Temperature :	22~23°C
		Relative Humidity :	40~42%

LTE Band 7 / 20MHz / QPSK								
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	5050	-51.75	-25	-26.75	-61.96	3.03	13.24	H
	7584	-61.27	-25	-36.27	-70.72	3.56	13.01	H
	10104	-62.06	-25	-37.06	-71.58	3.92	13.44	H
	5050	-43.31	-25	-18.31	-53.52	3.03	13.24	V
	7584	-59.52	-25	-34.52	-68.97	3.56	13.01	V
	10104	-60.99	-25	-35.99	-70.51	3.92	13.44	V

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

LTE Band 12 / 10MHz / QPSK								
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	1408	-58.33	-13	-45.33	-65.30	1.58	10.70	H
	2112	-60.13	-13	-47.13	-68.38	2.10	12.50	H
	2784	-59.08	-13	-46.08	-67.97	2.86	13.90	H
	3512	-59.30	-13	-46.30	-66.54	3.31	12.70	H
	4216	-56.84	-13	-43.84	-64.43	3.41	13.15	H
	1408	-46.86	-13	-33.86	-53.83	1.58	10.70	V
	2112	-54.86	-13	-41.86	-63.11	2.10	12.50	V
	2784	-57.63	-13	-44.63	-66.52	2.86	13.90	V
	3512	-54.22	-13	-41.22	-61.81	3.41	13.15	V
	4216	-49.42	-13	-36.42	-57.01	3.41	13.15	V

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



LTE Band 13 / 10MHz / QPSK								
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	-54.06	-13	-41.06	-56.69	1.09	5.87	H
	2336	-53.52	-13	-40.52	-55.92	1.37	5.92	H
	3112	-58.83	-13	-45.83	-62.72	1.64	7.68	H
	3888	-53.17	-13	-40.17	-57.40	1.92	8.30	H
	4664	-57.86	-13	-44.86	-62.72	2.19	9.21	H
	1552	-59.94	-13	-46.94	-62.57	1.09	5.87	V
	2336	-57.81	-13	-44.81	-60.21	1.37	5.92	V
	3112	-56.64	-13	-43.64	-60.53	1.64	7.68	V
	3888	-49.00	-13	-36.00	-52.89	1.64	7.68	V
4664	-54.88	-13	-41.88	-58.77	1.64	7.68	V	

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

LTE Band 13 / 5MHz / QPSK								
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	1560	-54.90	-42.15	-12.75	-57.53	1.09	5.87	H
	2336	-60.75	-13	-47.75	-63.15	1.37	5.92	H
	3120	-59.35	-13	-46.35	-63.24	1.64	7.68	H
	3896	-55.56	-13	-42.56	-59.79	1.92	8.30	H
	1560	-52.17	-42.15	-10.02	-54.80	1.09	5.87	V
	2336	-55.36	-13	-42.36	-57.76	1.37	5.92	V
	3120	-57.01	-13	-44.01	-60.90	1.64	7.68	V
	3896	-47.73	-13	-34.73	-51.62	1.64	7.68	V

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

LTE Band 25 / 20MHz / QPSK								
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	3750	-36.12	-13	-23.12	-48.38	2.64	14.90	H
	5625	-50.39	-13	-37.39	-62.25	2.94	14.80	H
	7500	-51.58	-13	-38.58	-61.35	3.39	13.16	H
	9360	-49.70	-13	-36.70	-58.82	5.57	14.69	H
	3750	-28.34	-13	-15.34	-40.60	2.64	14.90	V
	5625	-44.12	-13	-31.12	-55.98	2.94	14.80	V
	7500	-48.95	-13	-35.95	-58.72	3.39	13.16	V
	9360	-46.52	-13	-33.52	-55.64	5.57	14.69	V

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





LTE Band 26 / 15MHz / QPSK								
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	1656	-56.67	-13	-43.67	-63.64	1.58	10.70	H
	2488	-59.94	-13	-46.94	-68.19	2.102	12.50	H
	3320	-56.57	-13	-43.57	-65.46	2.856	13.90	H
	4152	-54.94	-13	-41.94	-62.53	3.406	13.15	H
	1656	-60.53	-13	-47.53	-67.50	1.58	10.70	V
	2488	-57.61	-13	-44.61	-65.86	2.10	12.50	V
	3320	-53.56	-13	-40.56	-62.45	2.86	13.90	V
	4152	-50.35	-13	-37.35	-57.94	3.41	13.15	V

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

LTE Band 41 / 20MHz / QPSK								
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	5162	-47.56	-25	-22.56	-57.77	3.03	13.24	H
	7752	-58.75	-25	-33.75	-68.20	3.56	13.01	H
	10342	-61.93	-25	-36.93	-71.45	3.92	13.44	H
	5162	-41.29	-25	-16.29	-51.50	3.03	13.24	V
	7752	-52.15	-25	-27.15	-61.60	3.56	13.01	V
	10342	-59.87	-25	-34.87	-69.39	3.92	13.44	V

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

LTE Band 66 / 20MHz / QPSK								
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	3465	-36.31	-13	-23.31	-47.05	2.604	13.34	H
	5205	-47.13	-13	-34.13	-57.64	3.011	13.52	H
	6945	-53.64	-13	-40.64	-63.84	3.271	13.47	H
	8685	-49.91	-13	-36.91	-55.48	8.063	13.63	H
	3465	-25.29	-13	-12.29	-36.03	2.604	13.34	V
	5205	-42.55	-13	-29.55	-53.06	3.011	13.52	V
	6945	-47.99	-13	-34.99	-58.19	3.271	13.47	V
	8685	-47.26	-13	-34.26	-52.83	8.063	13.63	V

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