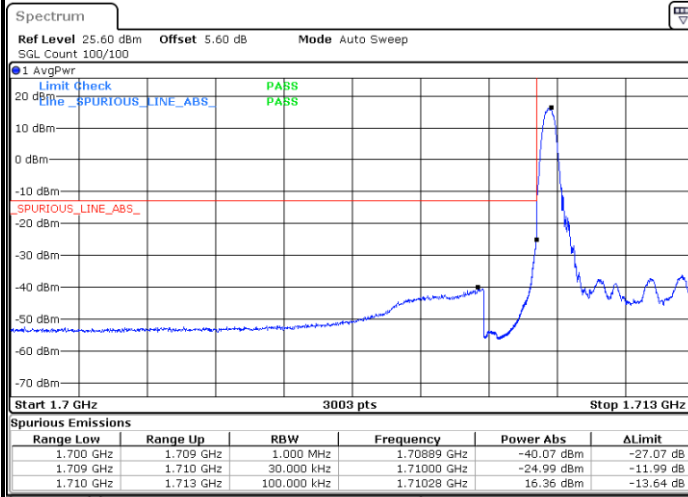


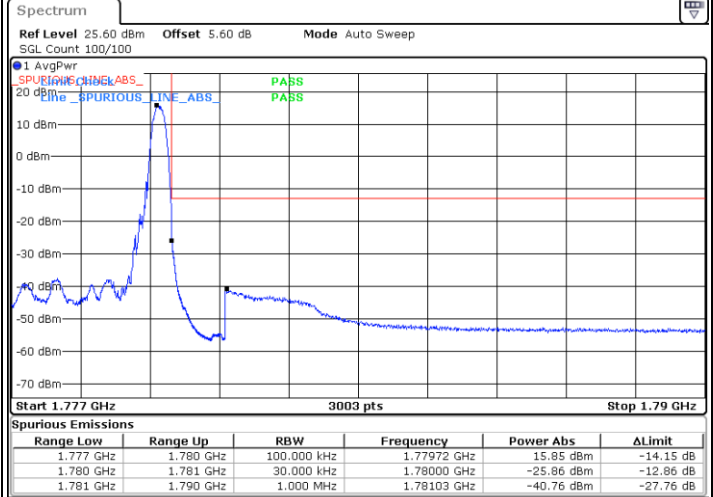


LTE Band 66 / 3MHz / 256QAM

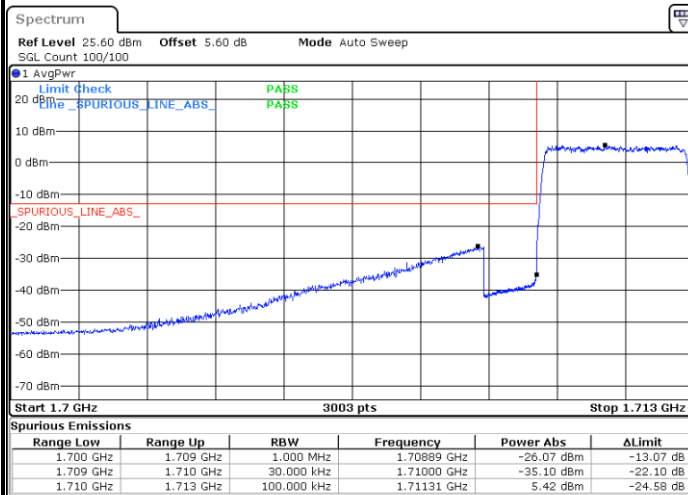
Lowest Band Edge / 1 RB



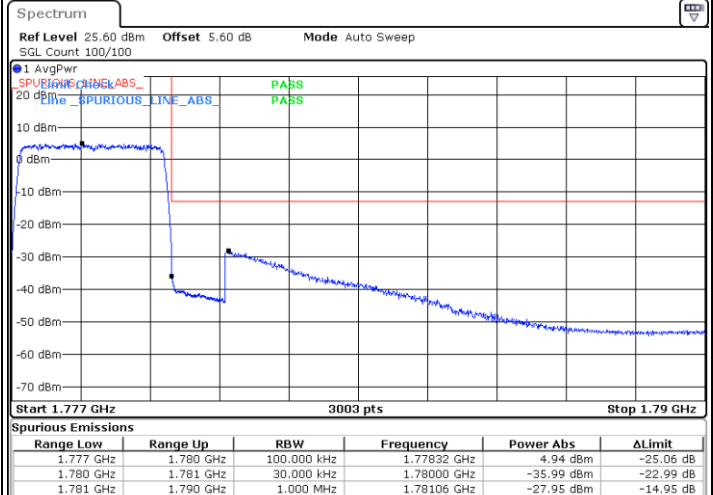
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



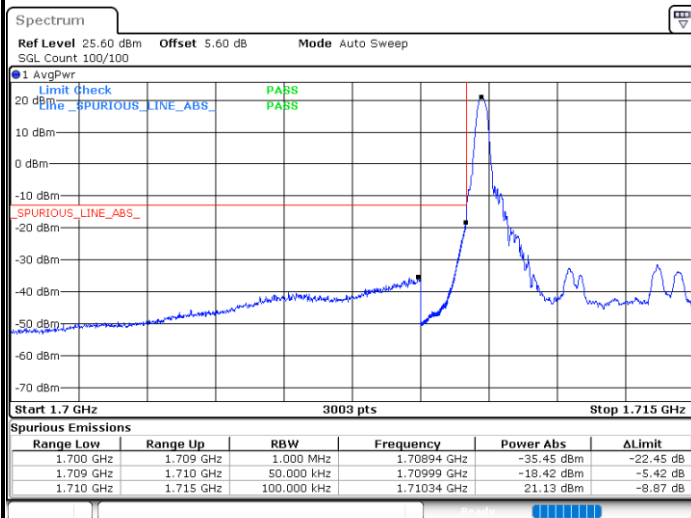
Highest Band Edge / Full RB



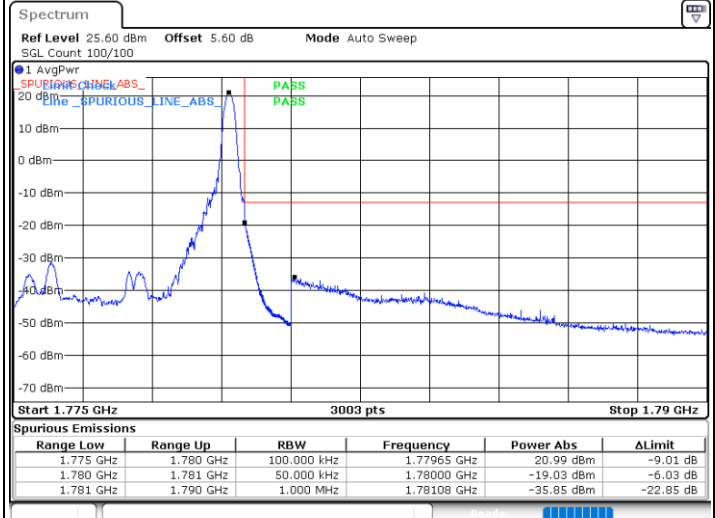


LTE Band 66 / 5MHz / QPSK

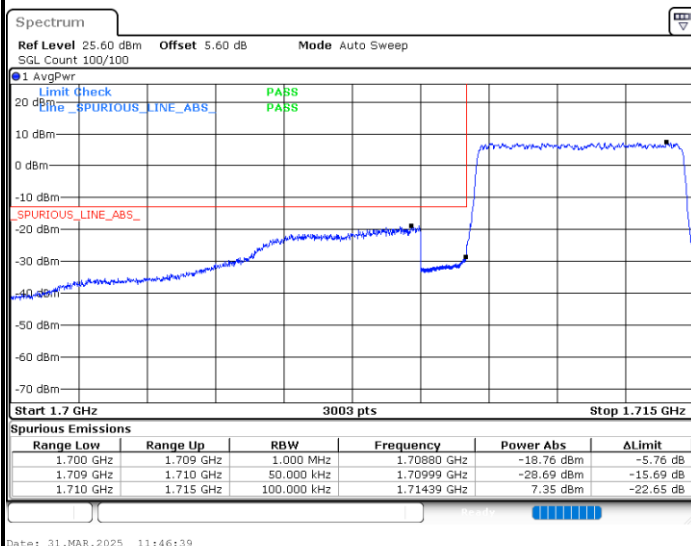
Lowest Band Edge / 1 RB



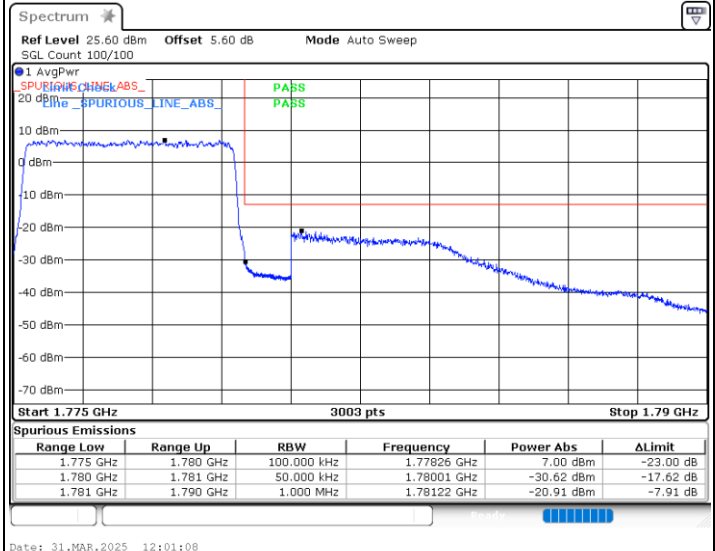
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



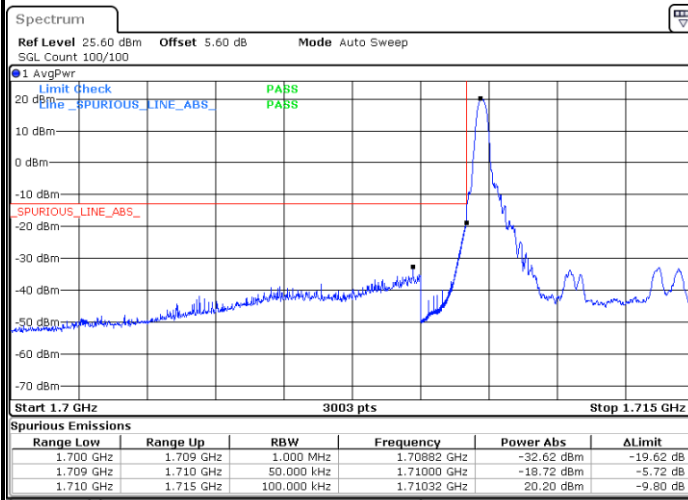
Highest Band Edge / Full RB



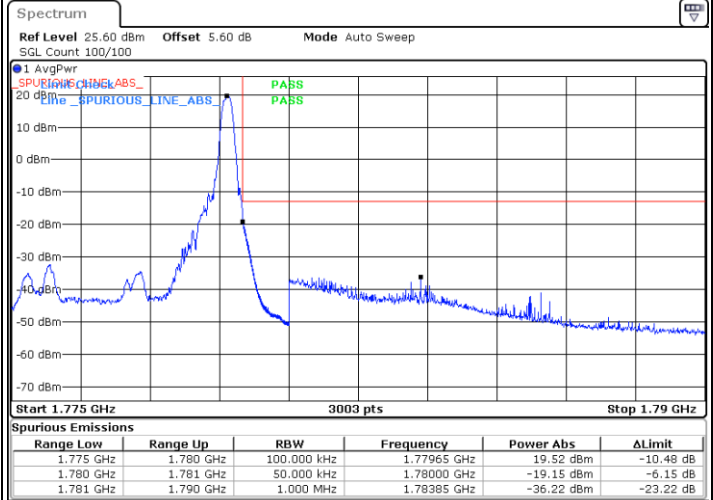


LTE Band 66 / 5MHz / 16QAM

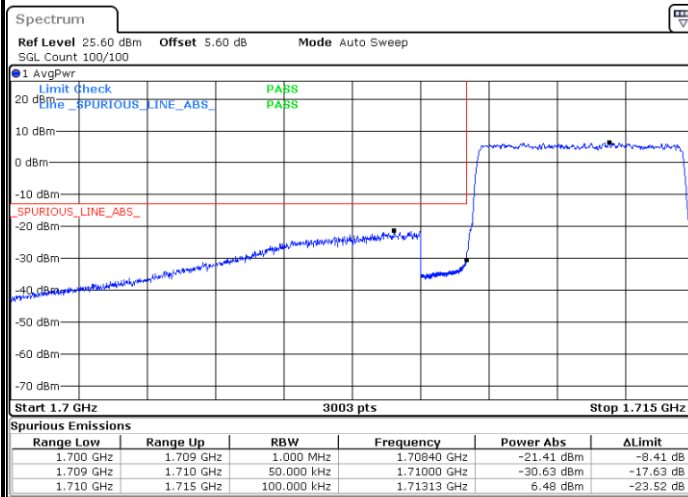
Lowest Band Edge / 1RB



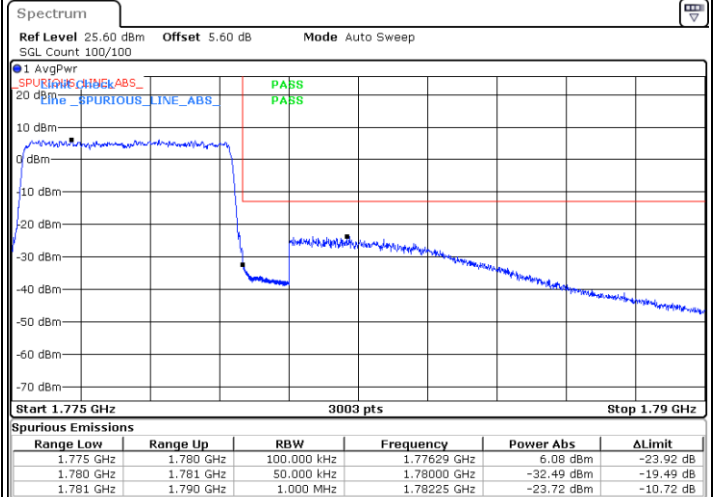
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



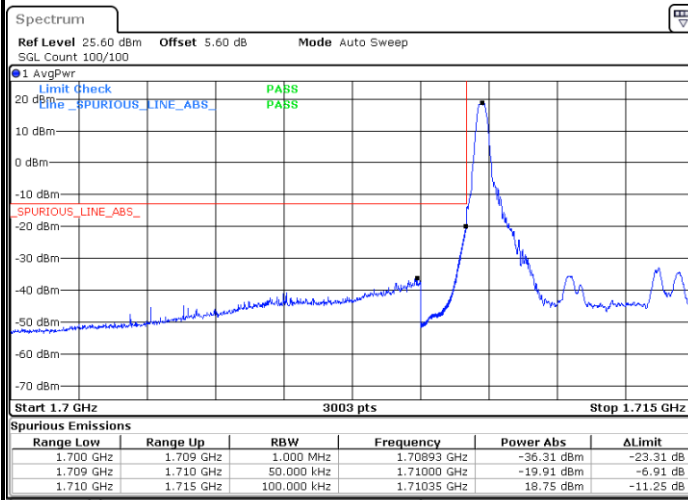
Highest Band Edge / Full RB



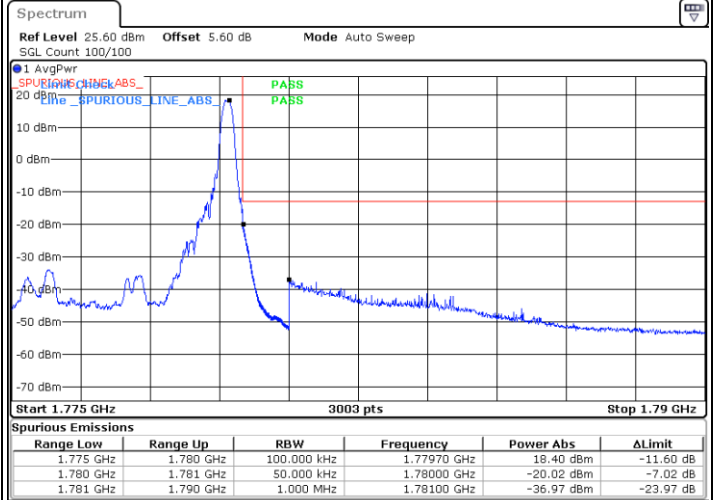


LTE Band 66 / 5MHz / 64QAM

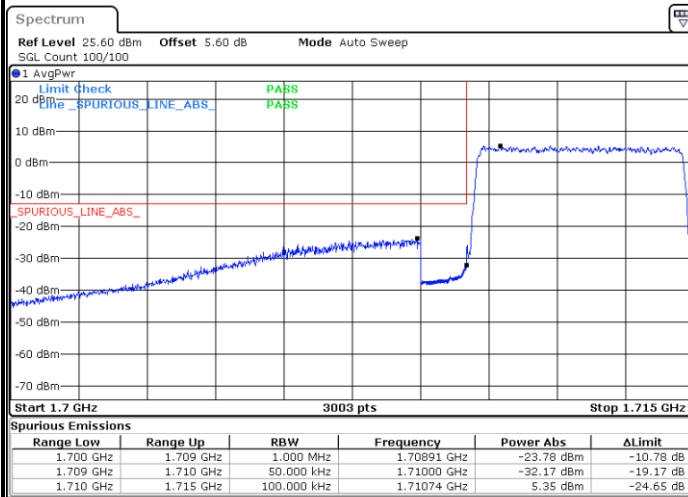
Lowest Band Edge / 1RB



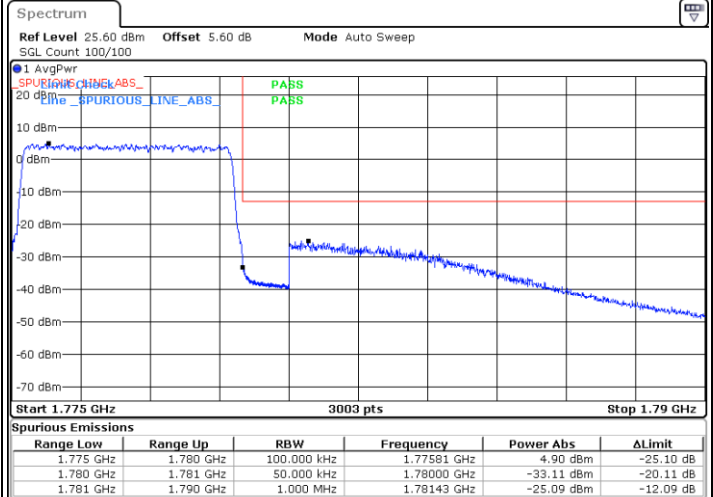
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



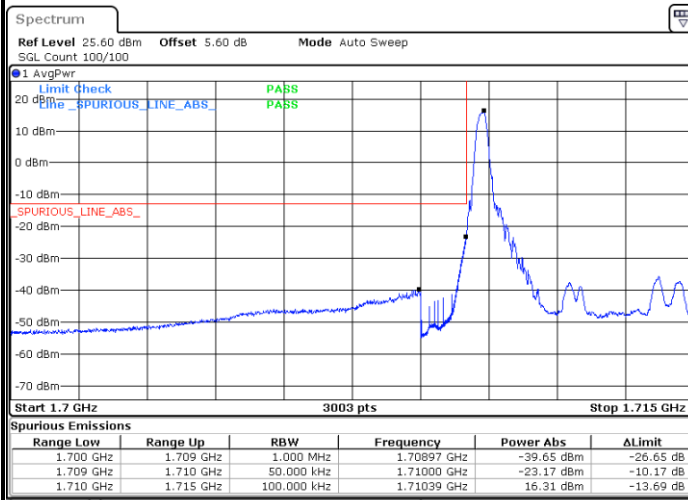
Highest Band Edge / Full RB



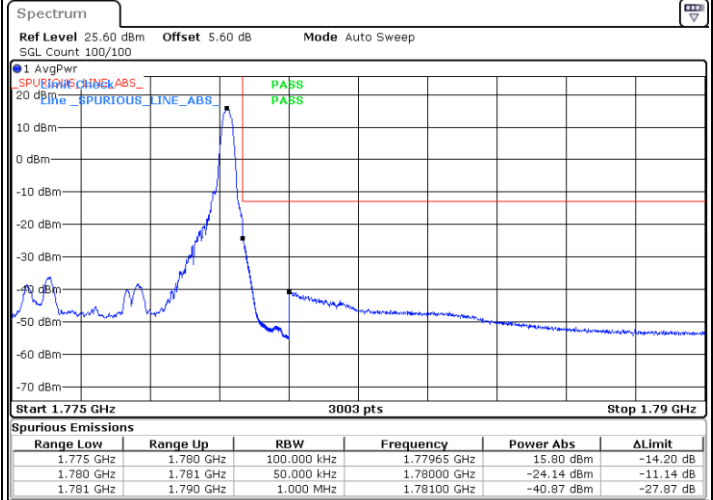


LTE Band 66 / 5MHz / 256QAM

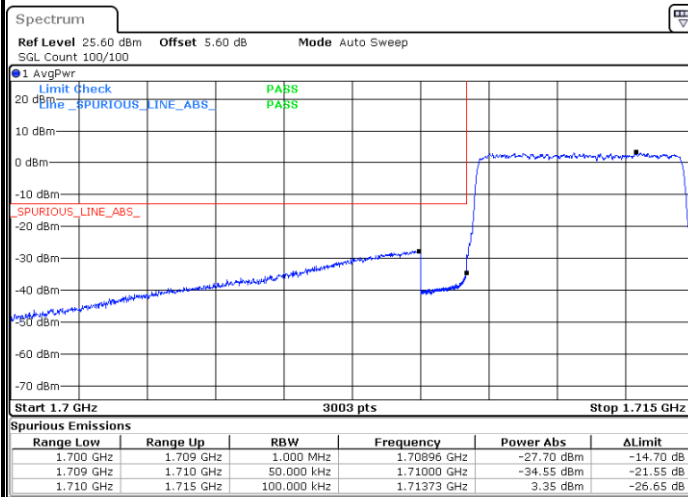
Lowest Band Edge / 1RB



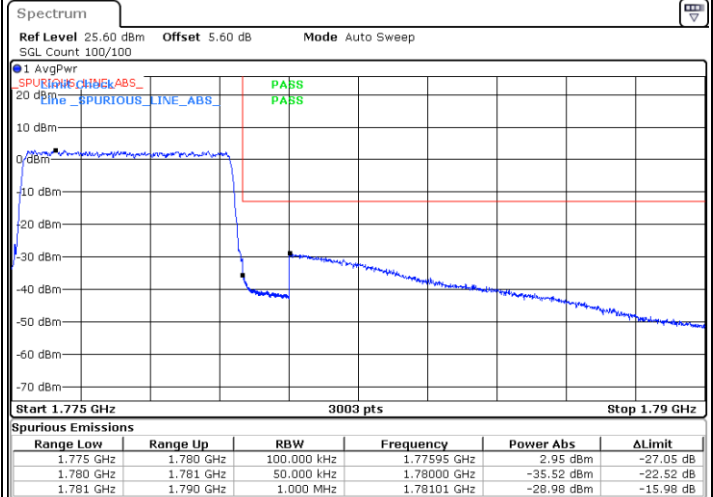
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



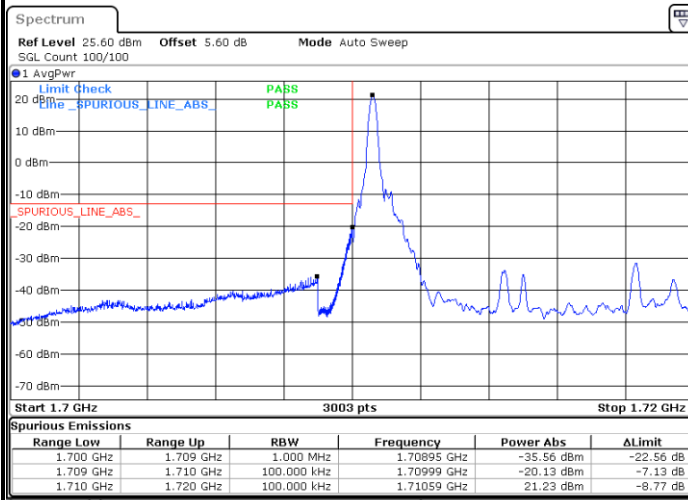
Highest Band Edge / Full RB



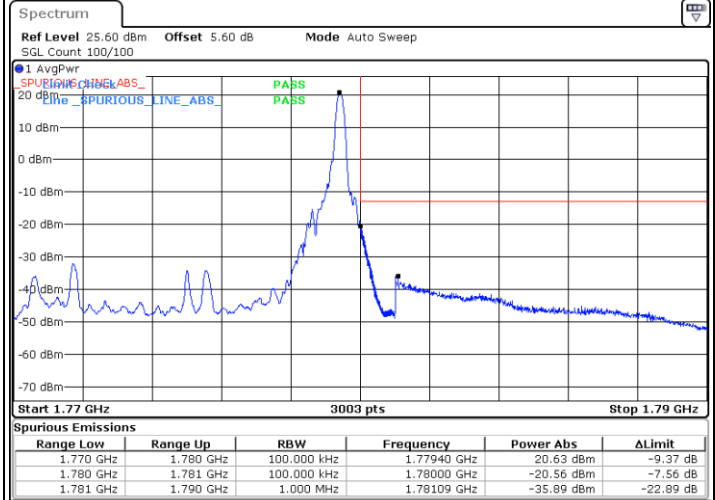


LTE Band 66 / 10MHz / QPSK

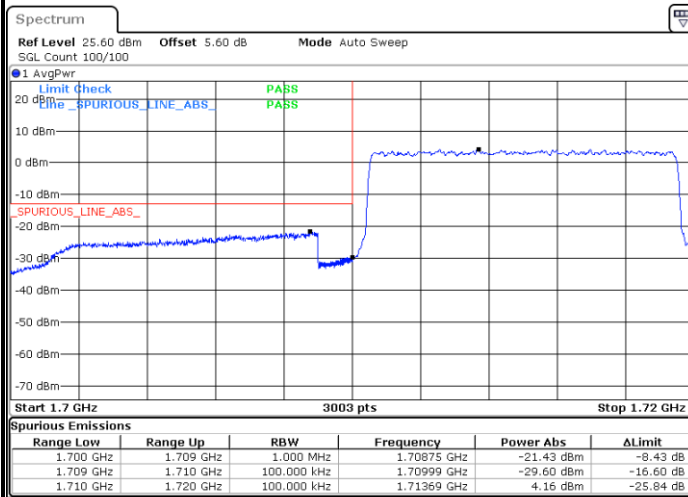
Lowest Band Edge / 1 RB



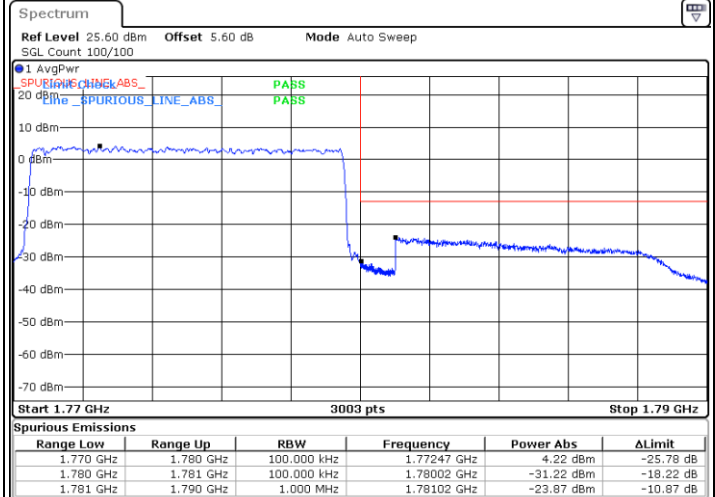
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



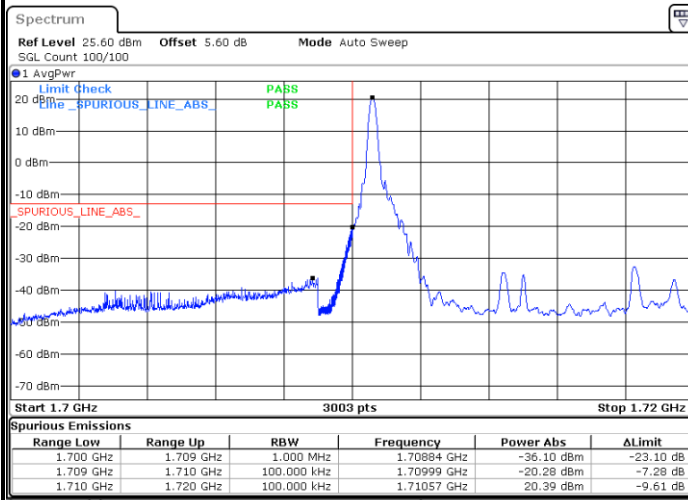
Highest Band Edge / Full RB



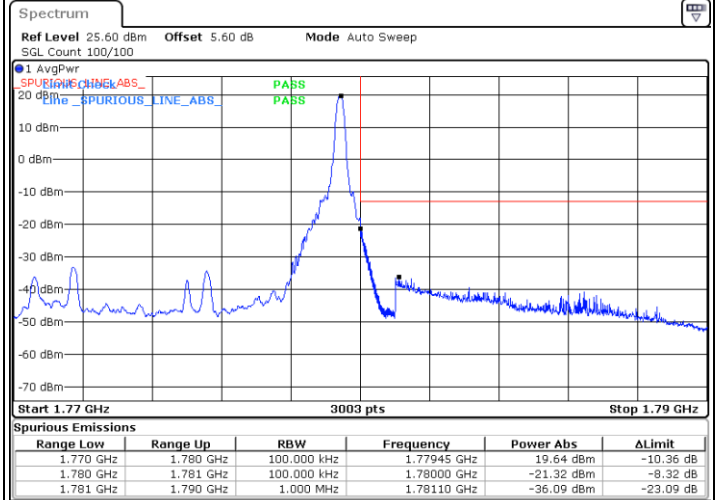


LTE Band 66 / 10MHz / 16QAM

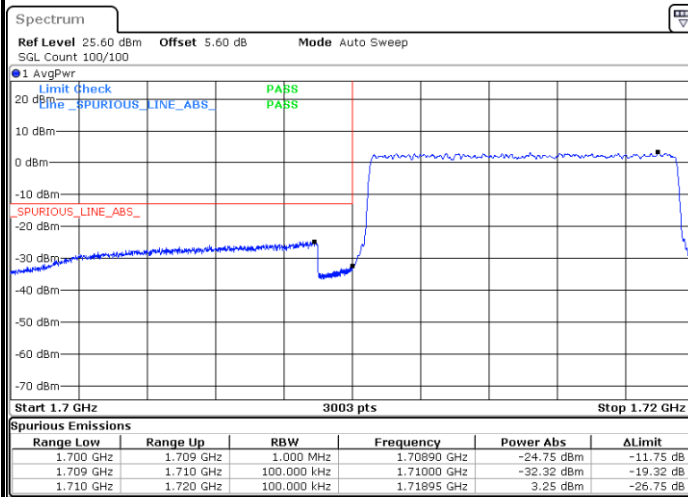
Lowest Band Edge / 1 RB



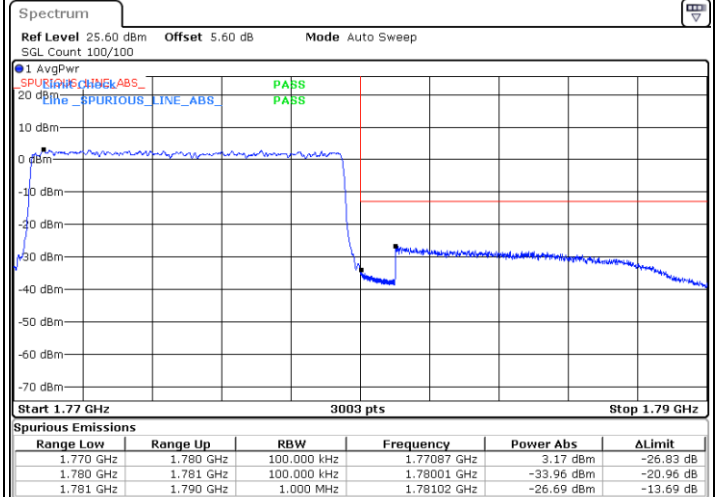
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



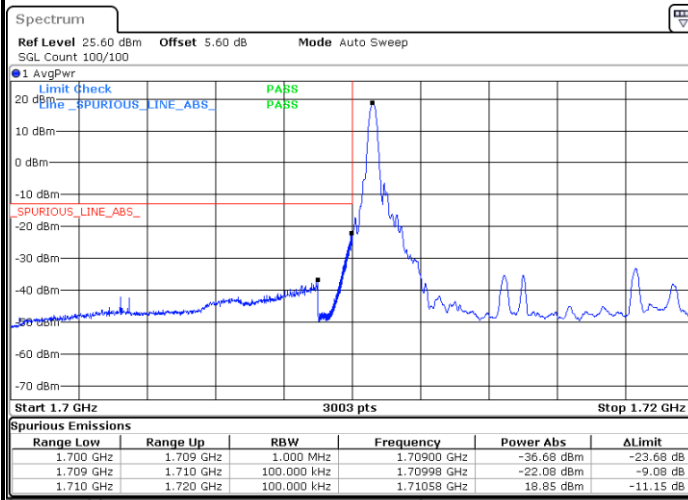
Highest Band Edge / Full RB



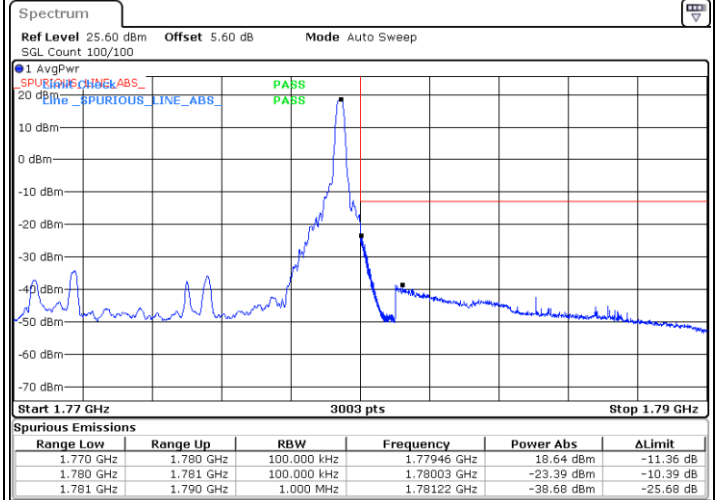


LTE Band 66 / 10MHz / 64QAM

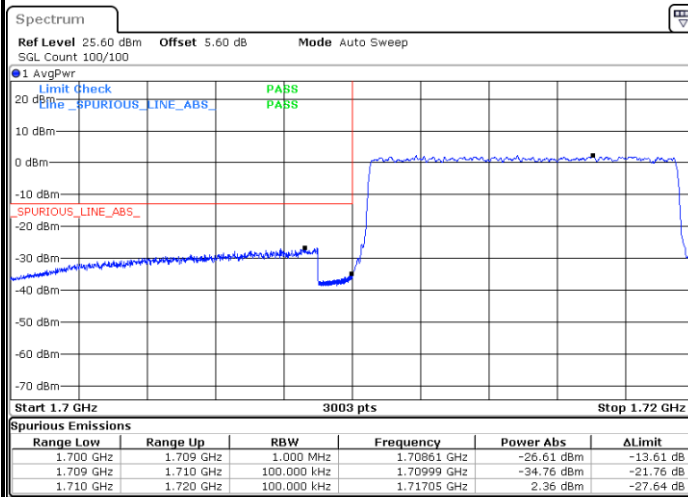
Lowest Band Edge / 1 RB



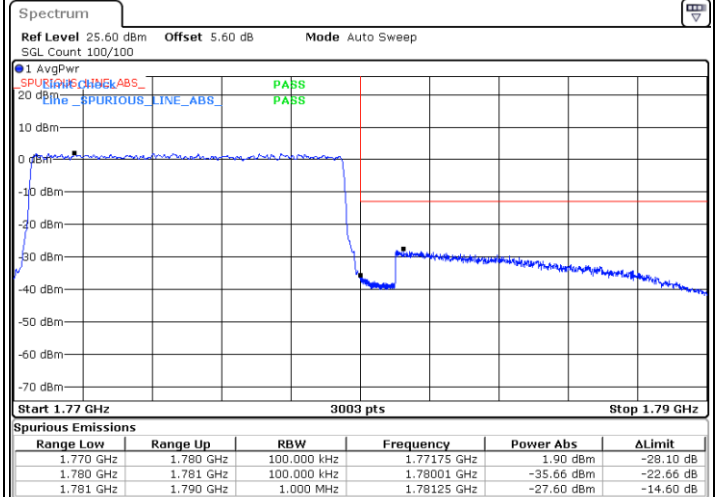
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



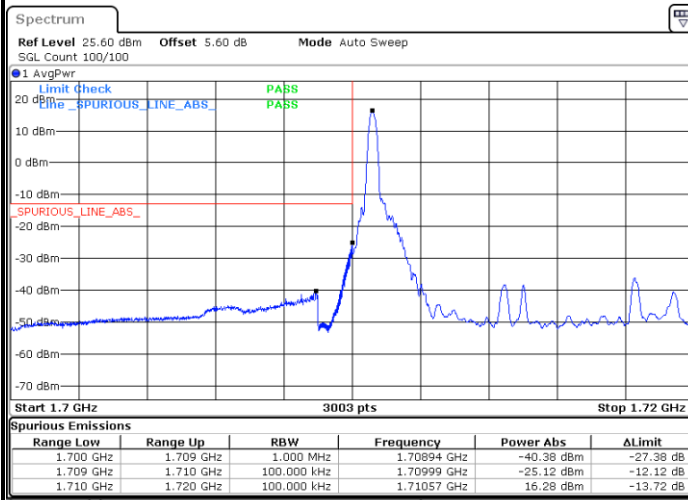
Highest Band Edge / Full RB



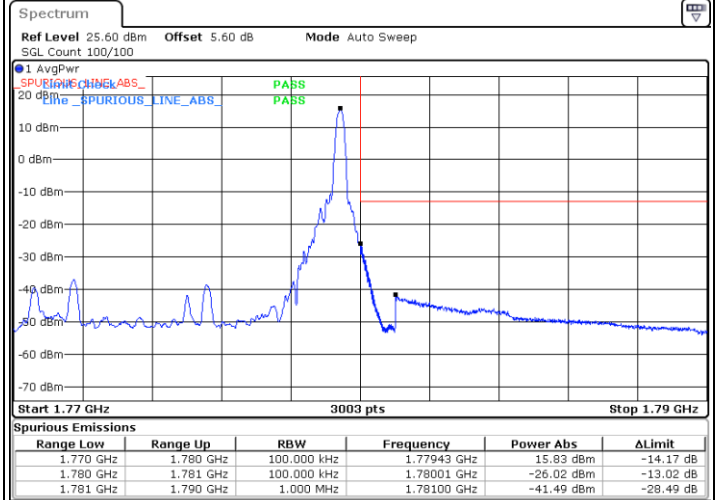


LTE Band 66 / 10MHz / 256QAM

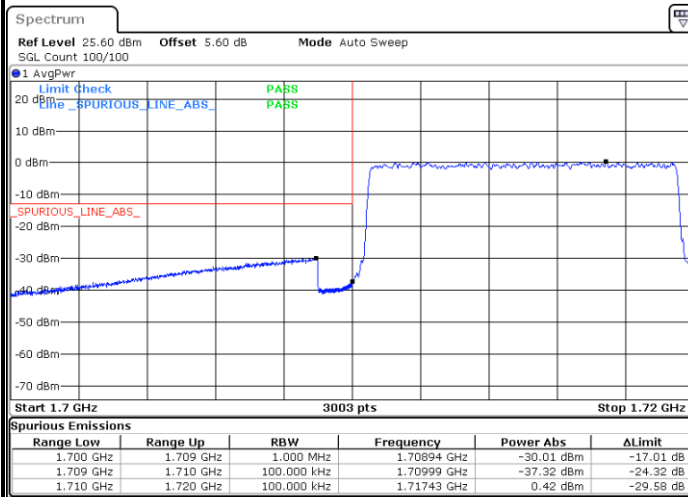
Lowest Band Edge / 1 RB



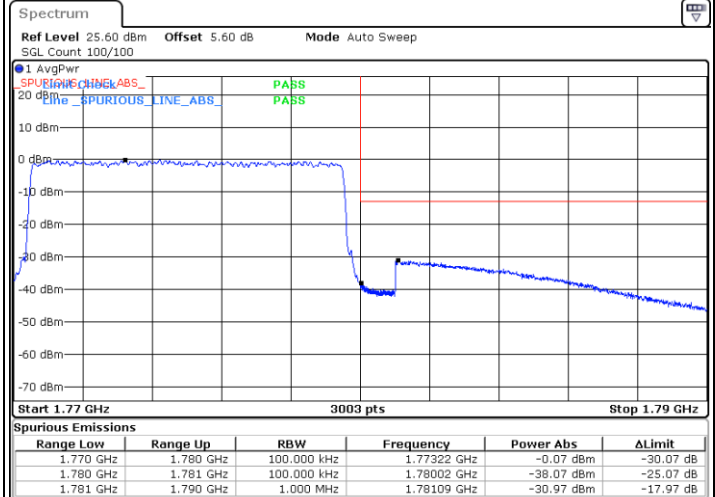
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



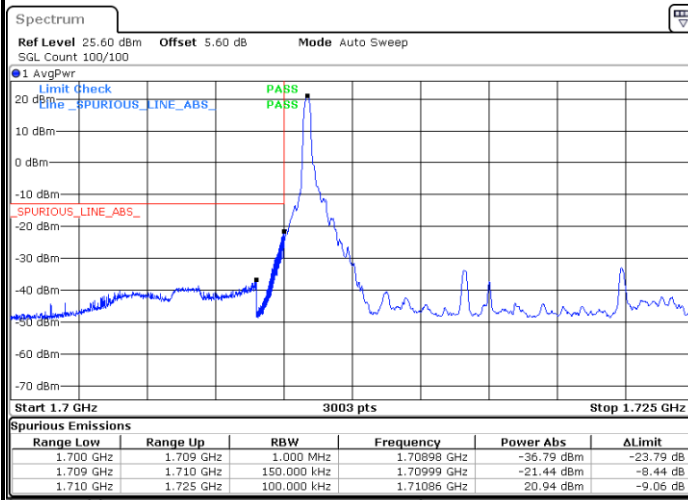
Highest Band Edge / Full RB



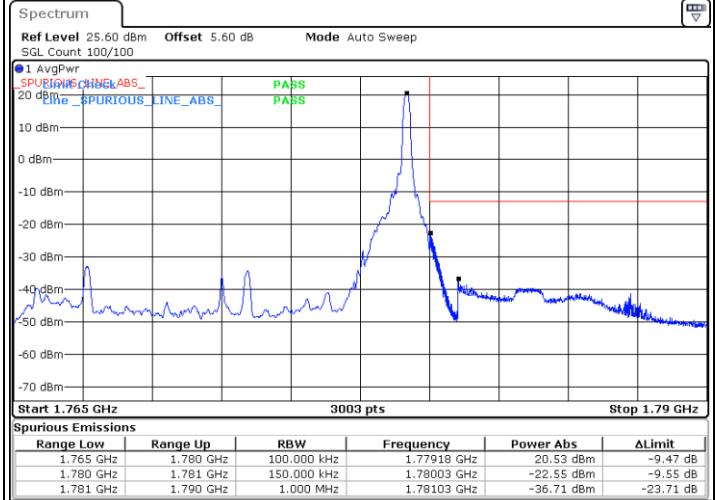


LTE Band 66 / 15MHz / QPSK

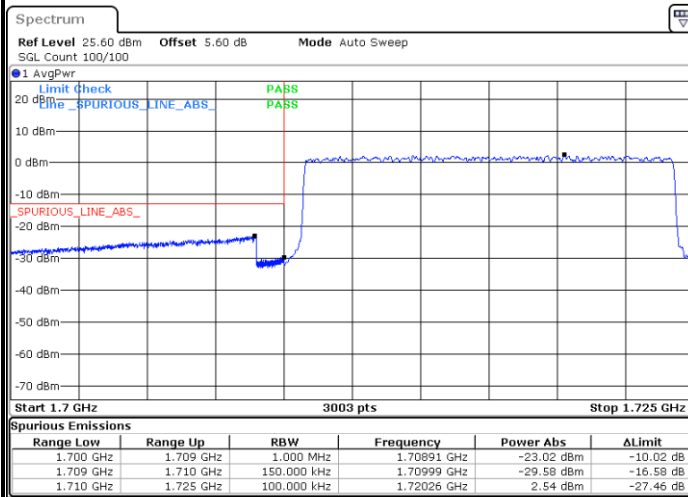
Lowest Band Edge / 1 RB



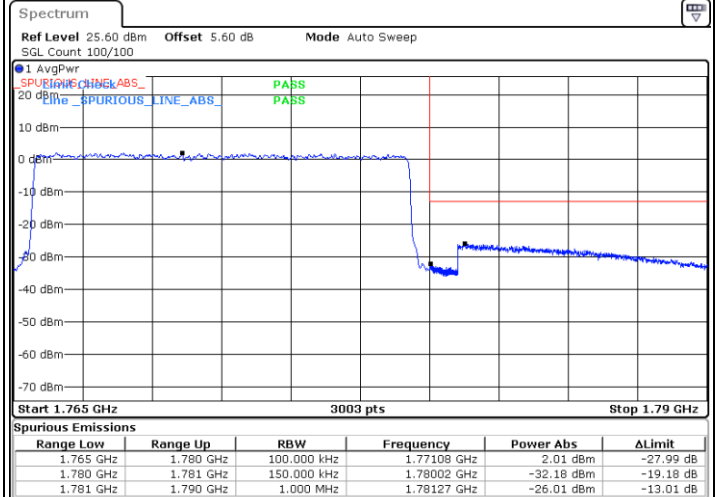
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



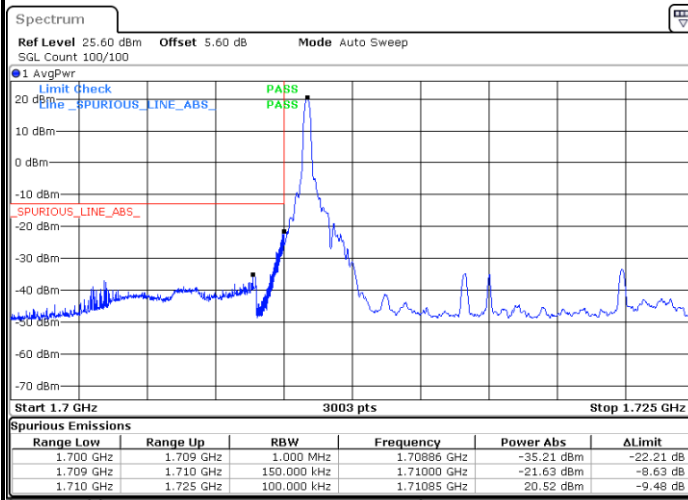
Highest Band Edge / Full RB



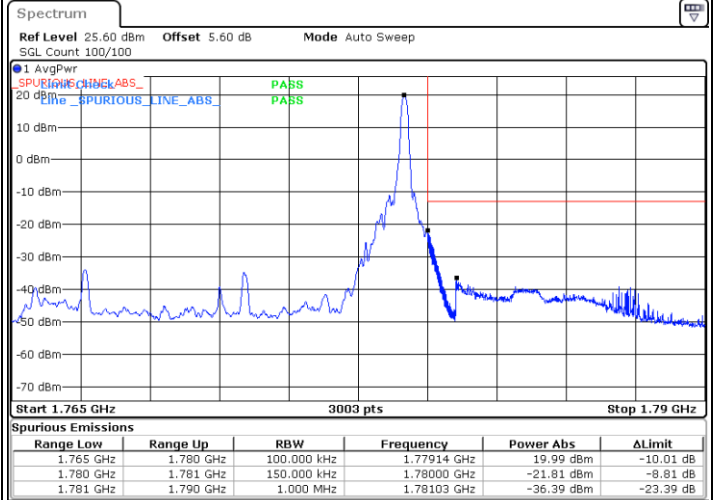


LTE Band 66 / 15MHz / 16QAM

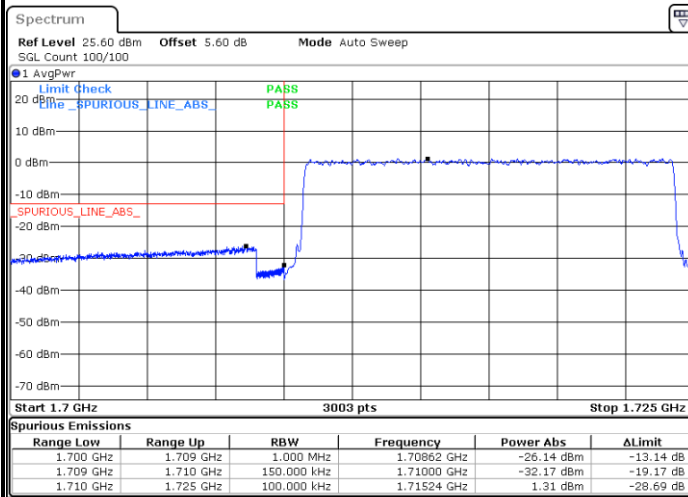
Lowest Band Edge / 1 RB



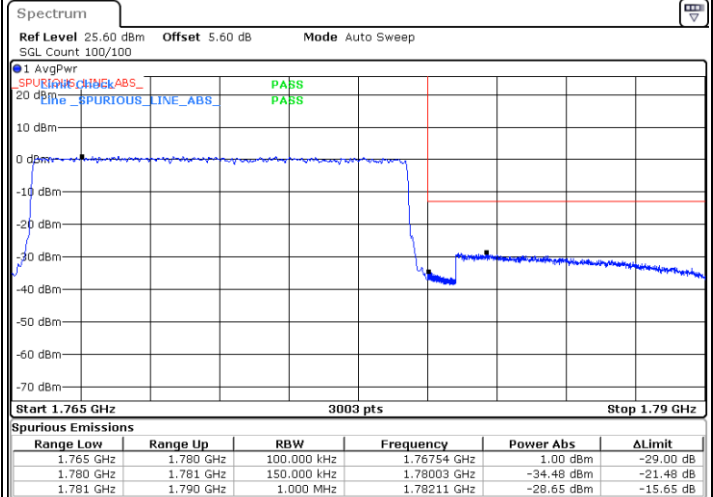
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



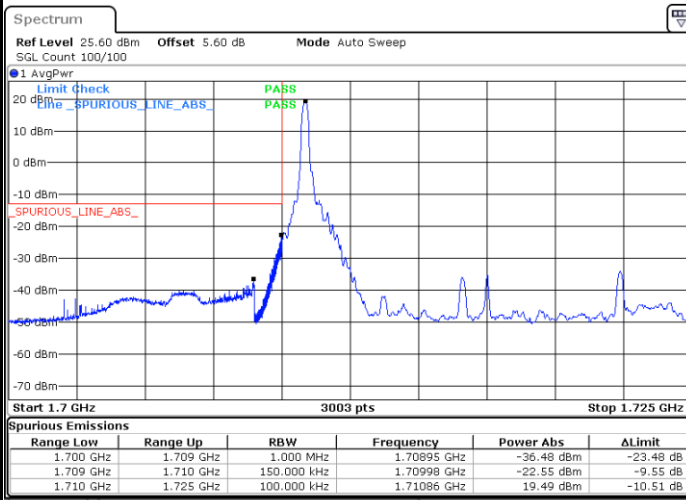
Highest Band Edge / Full RB



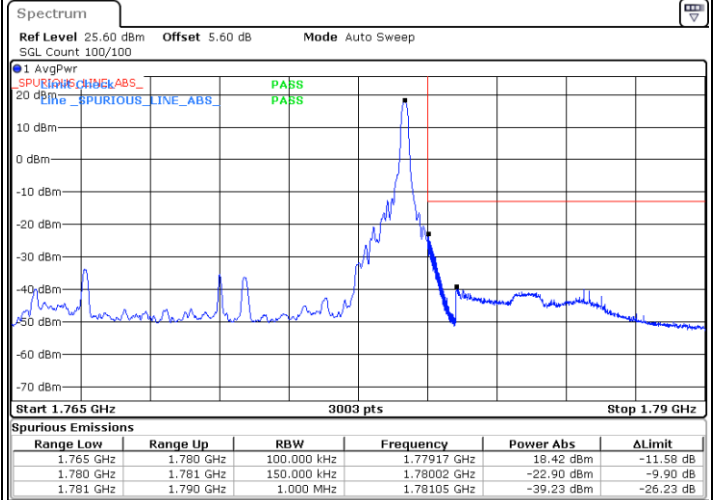


LTE Band 66 / 15MHz / 64QAM

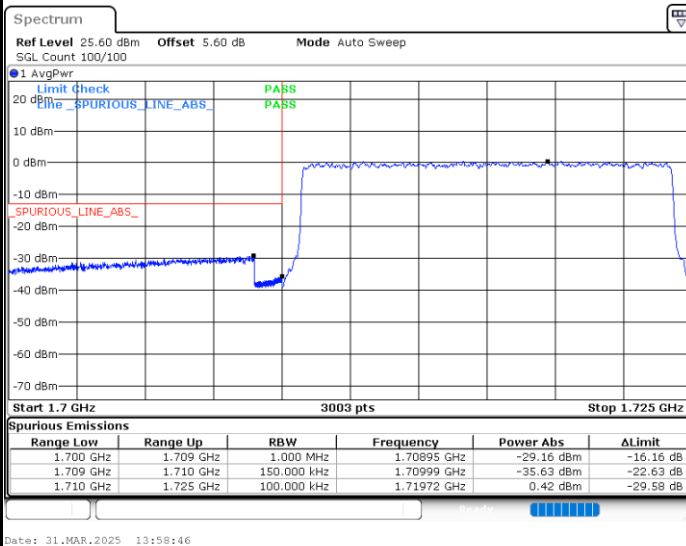
Lowest Band Edge / 1 RB



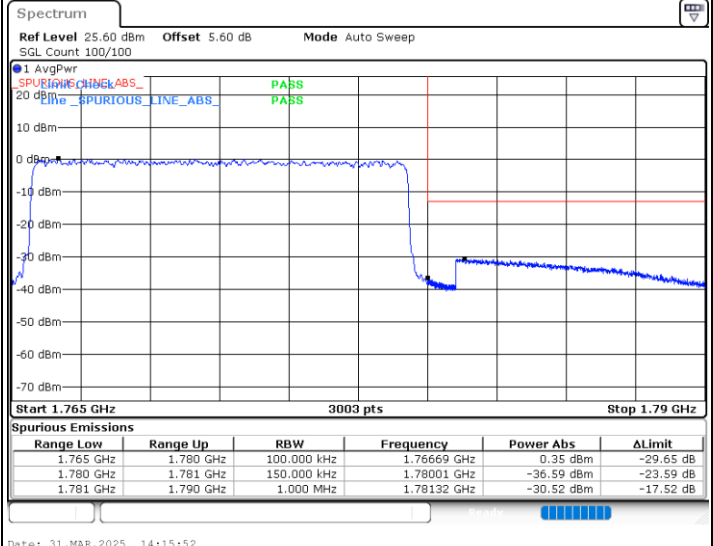
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



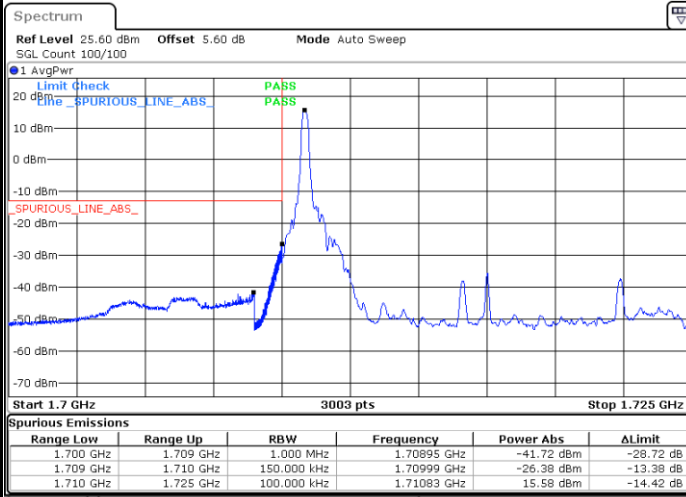
Highest Band Edge / Full RB



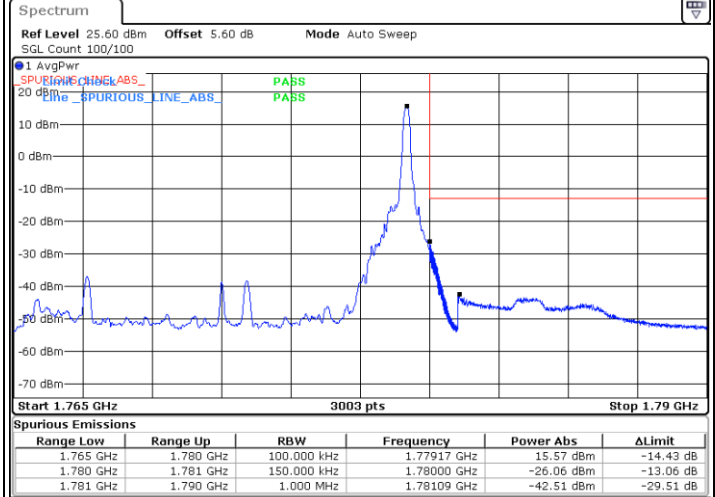


LTE Band 66 / 15MHz / 256QAM

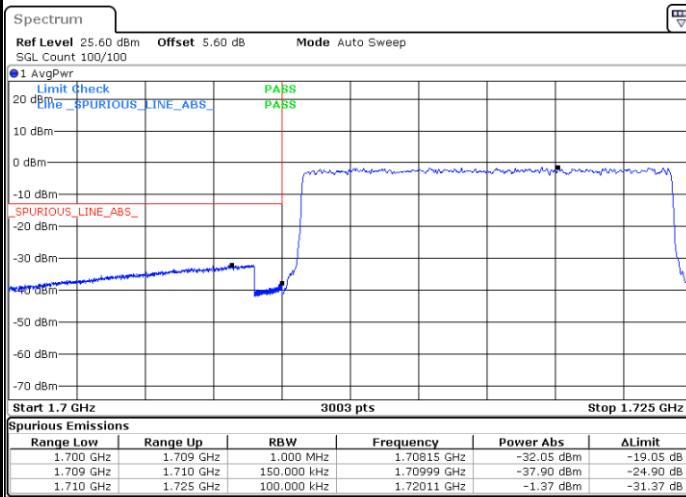
Lowest Band Edge / 1 RB



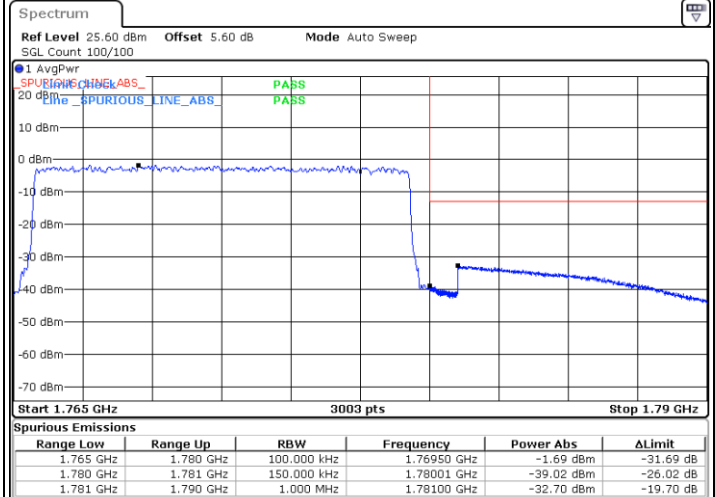
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



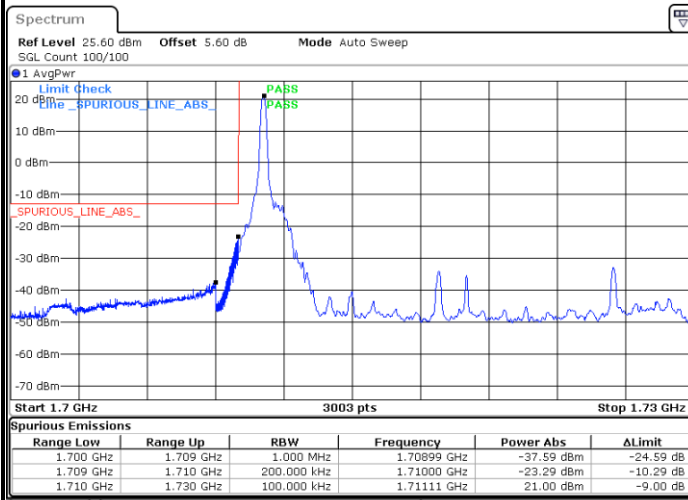
Highest Band Edge / Full RB



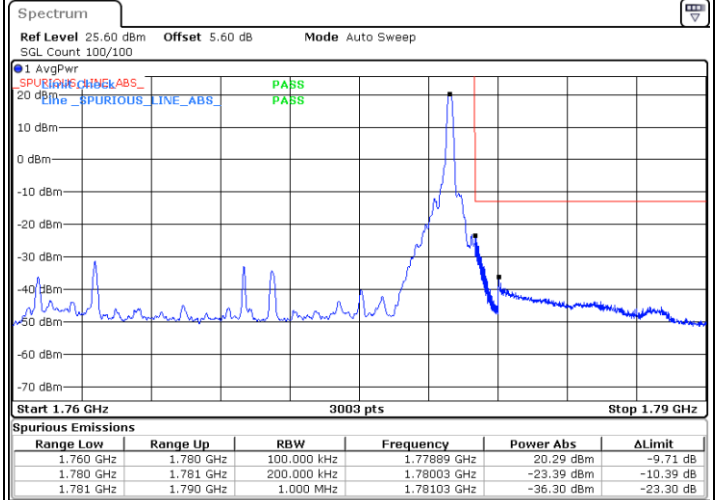


LTE Band 66 / 20MHz / QPSK

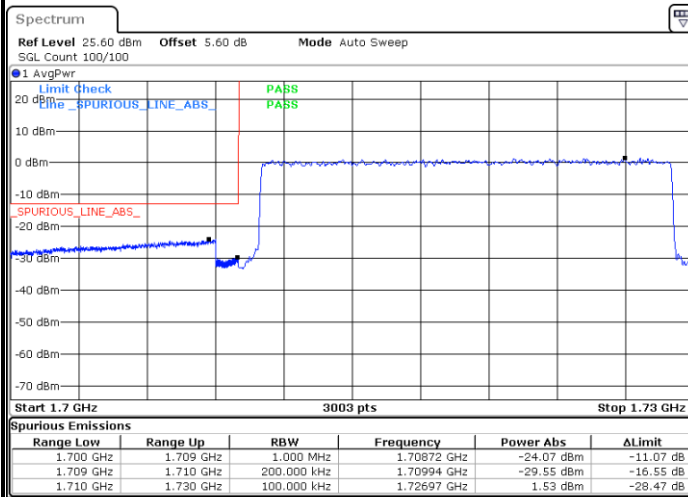
Lowest Band Edge / 1 RB



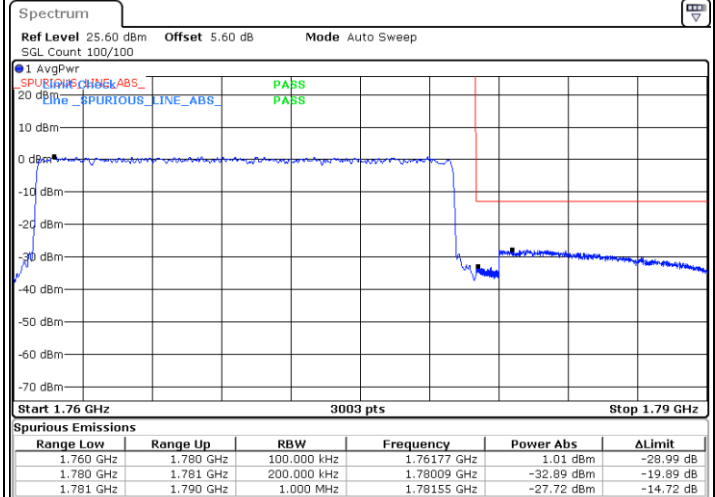
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



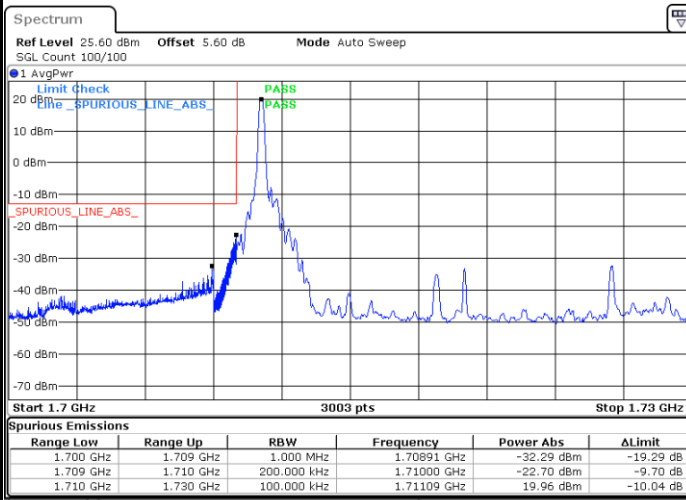
Highest Band Edge / Full RB



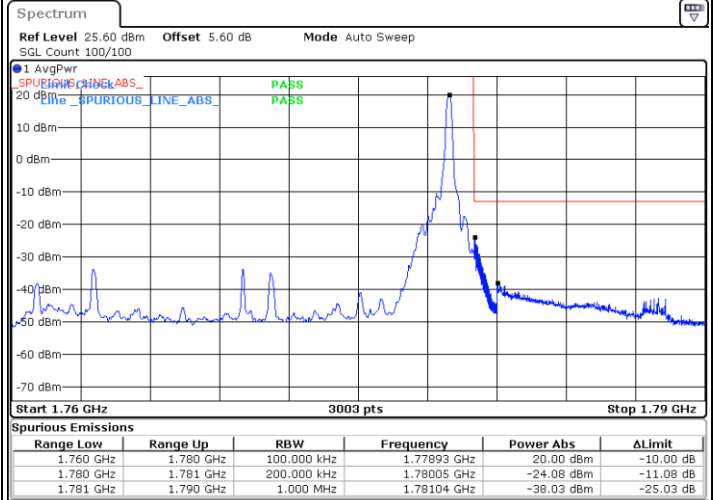


LTE Band 66 / 20MHz / 16QAM

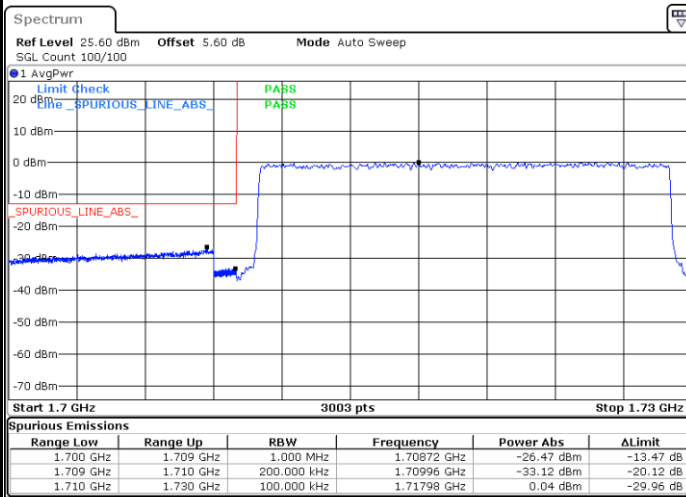
Lowest Band Edge / 1 RB



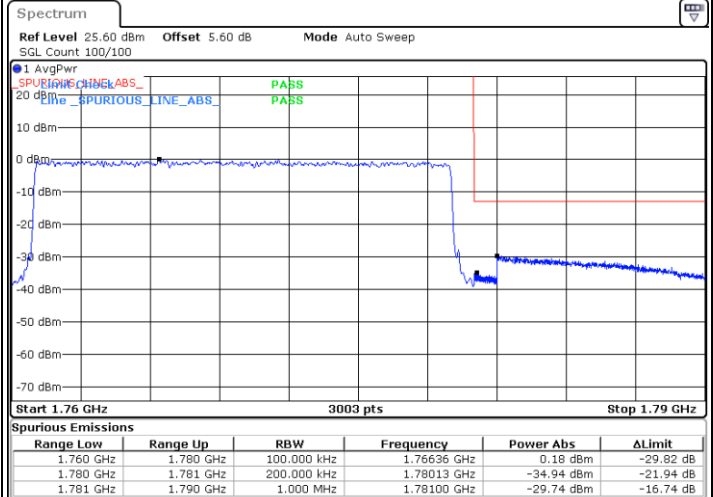
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



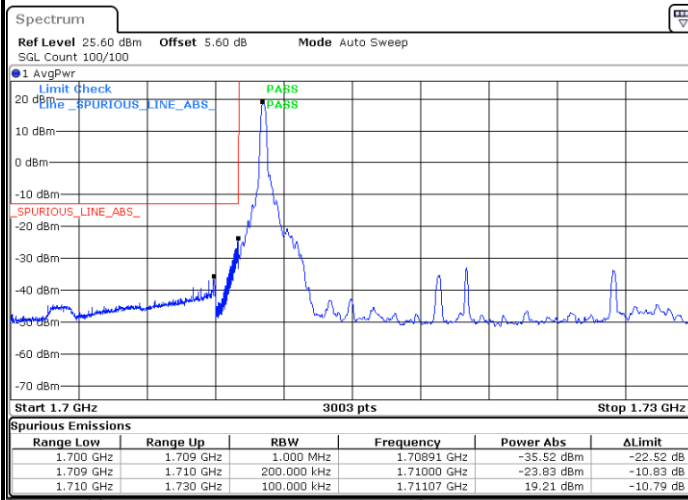
Highest Band Edge / Full RB



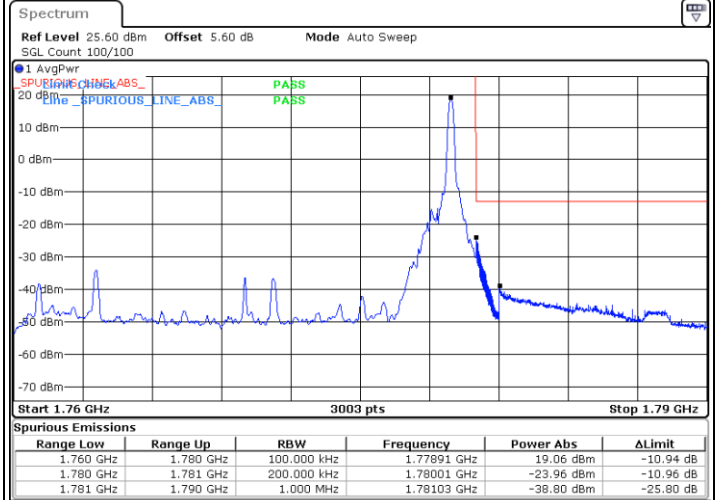


LTE Band 66 / 20MHz / 64QAM

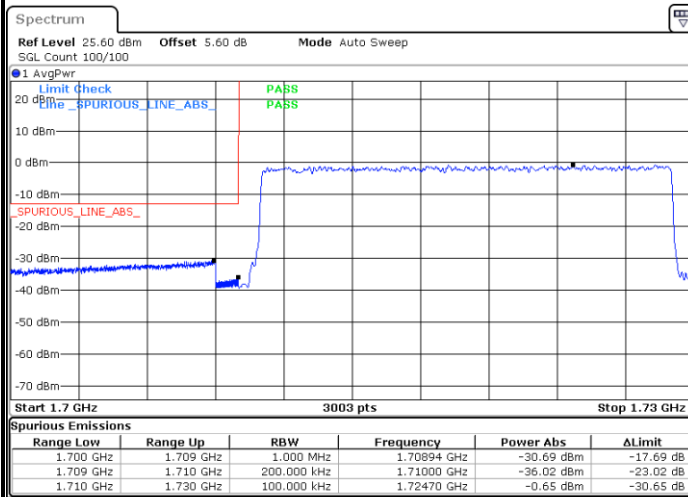
Lowest Band Edge / 1 RB



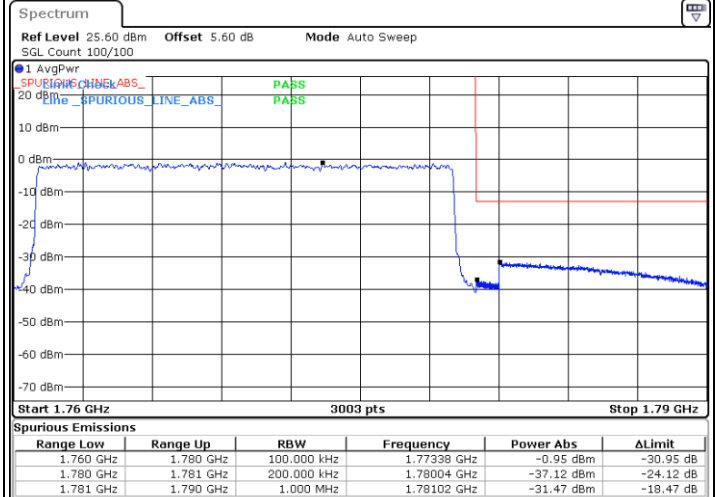
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



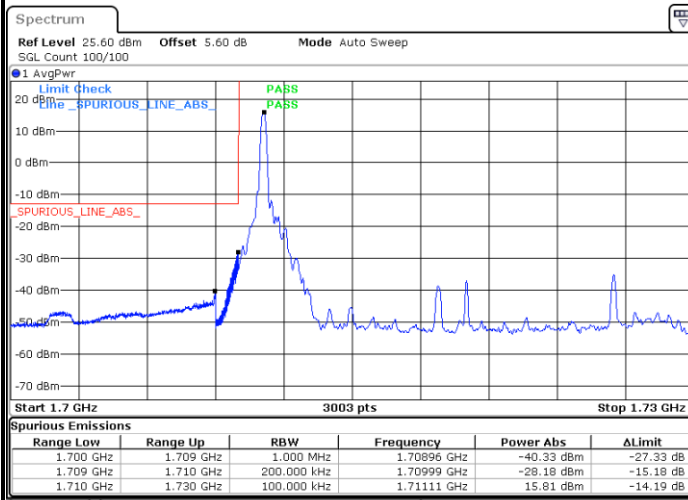
Highest Band Edge / Full RB



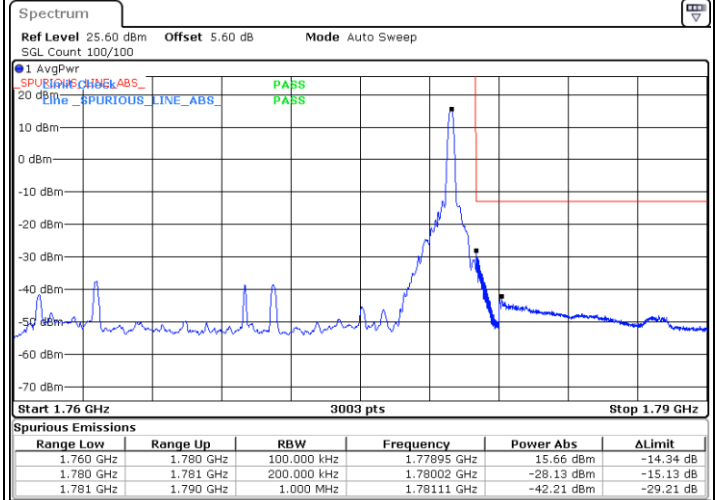


LTE Band 66 / 20MHz / 256QAM

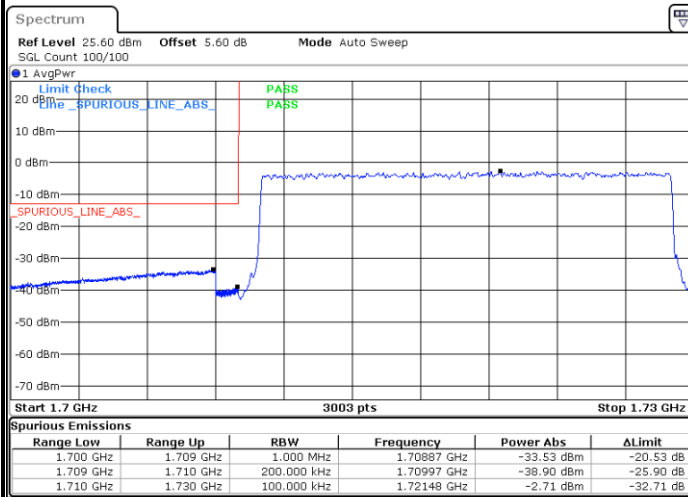
Lowest Band Edge / 1 RB



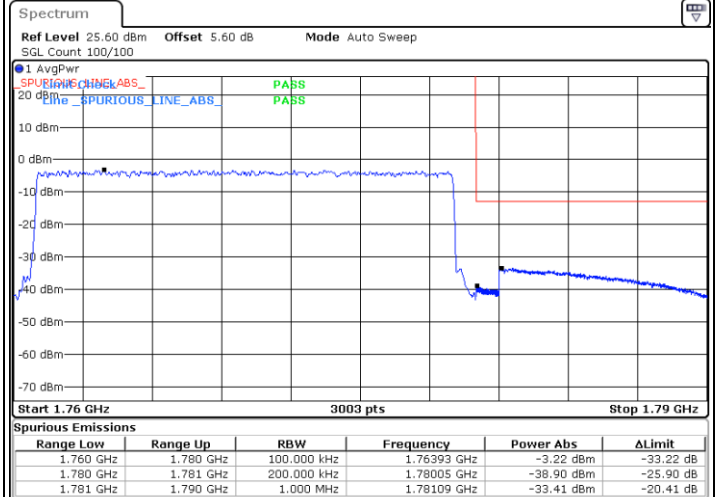
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

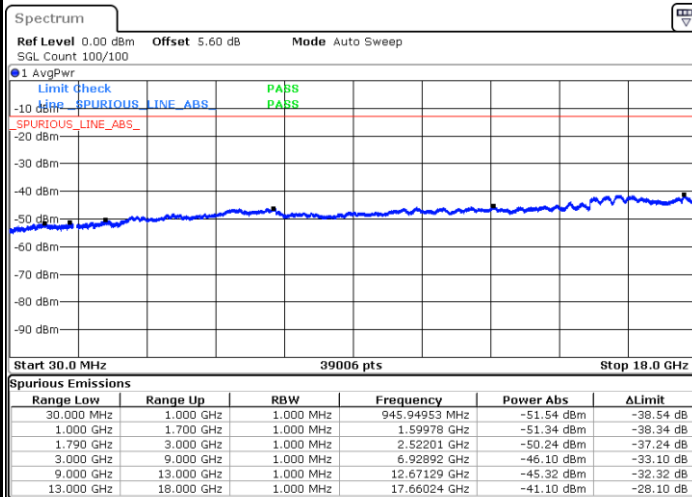




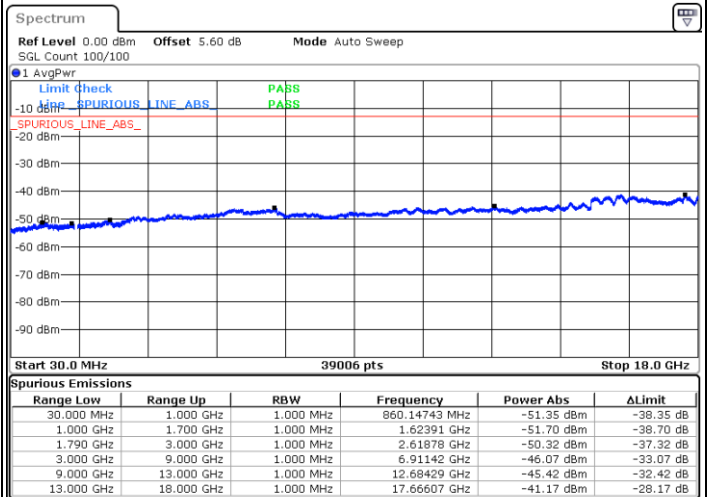
Conducted Spurious Emission

LTE Band 66 / 1.4MHz

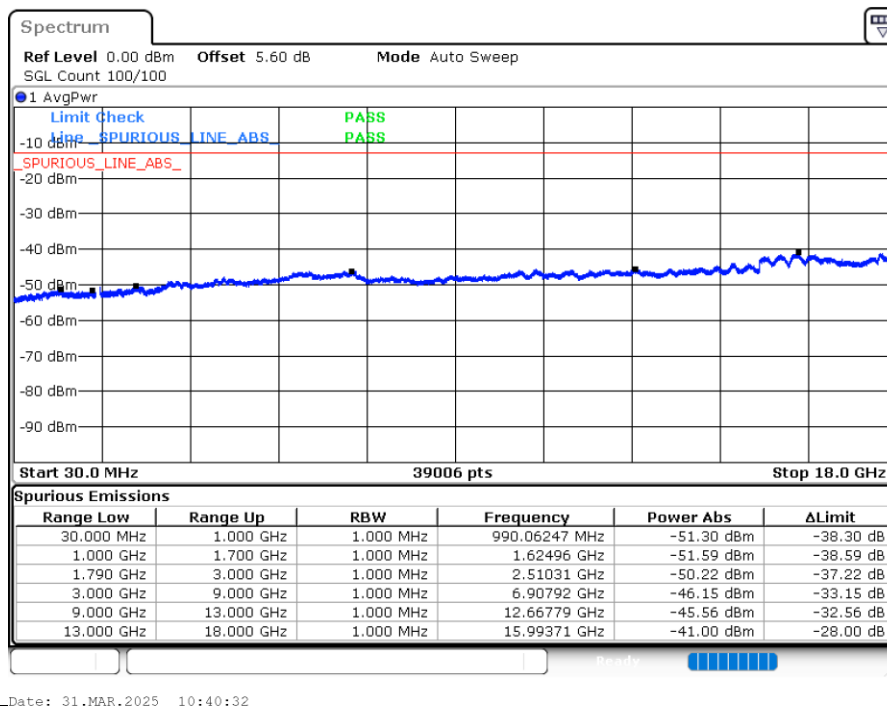
Lowest Channel / QPSK



Middle Channel / QPSK



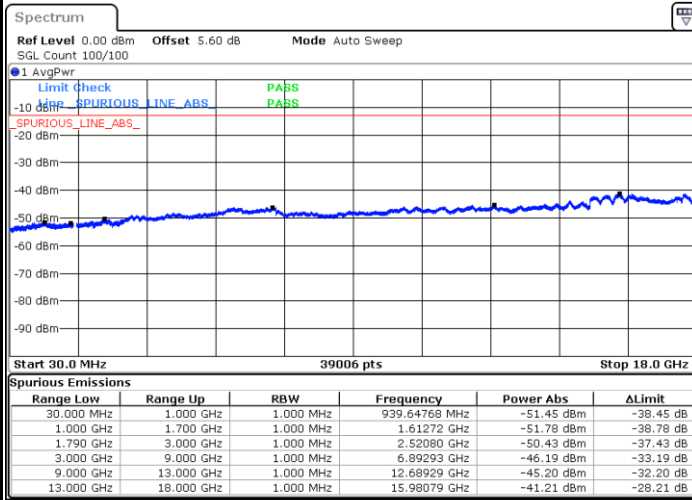
Highest Channel / QPSK





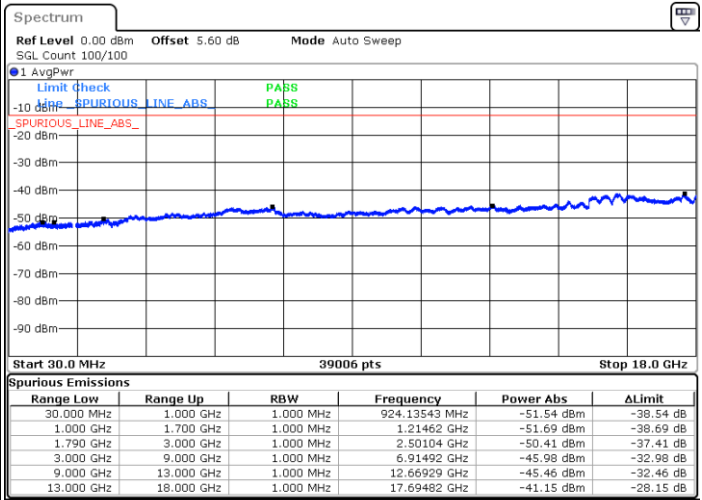
LTE Band 66 / 3MHz

Lowest Channel / QPSK



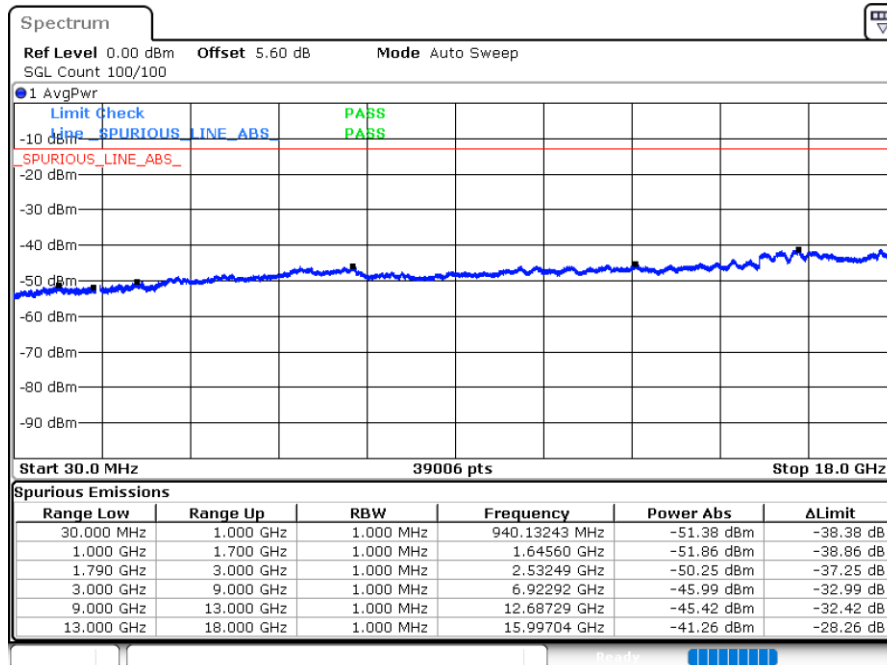
Date: 31.MAR.2025 11:01:40

Middle Channel / QPSK



Date: 31.MAR.2025 11:20:31

Highest Channel / QPSK

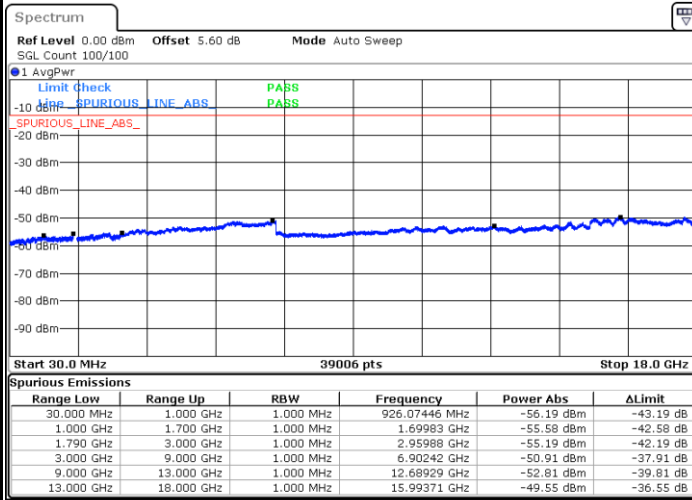


Date: 31.MAR.2025 11:22:20



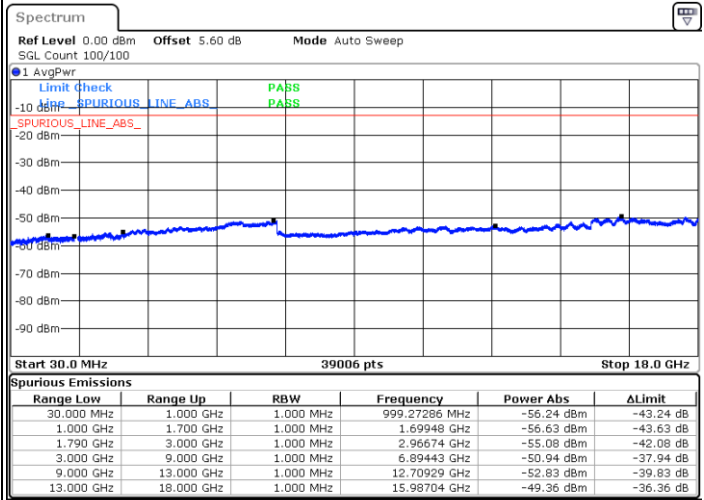
LTE Band 66 / 5MHz

Lowest Channel / QPSK



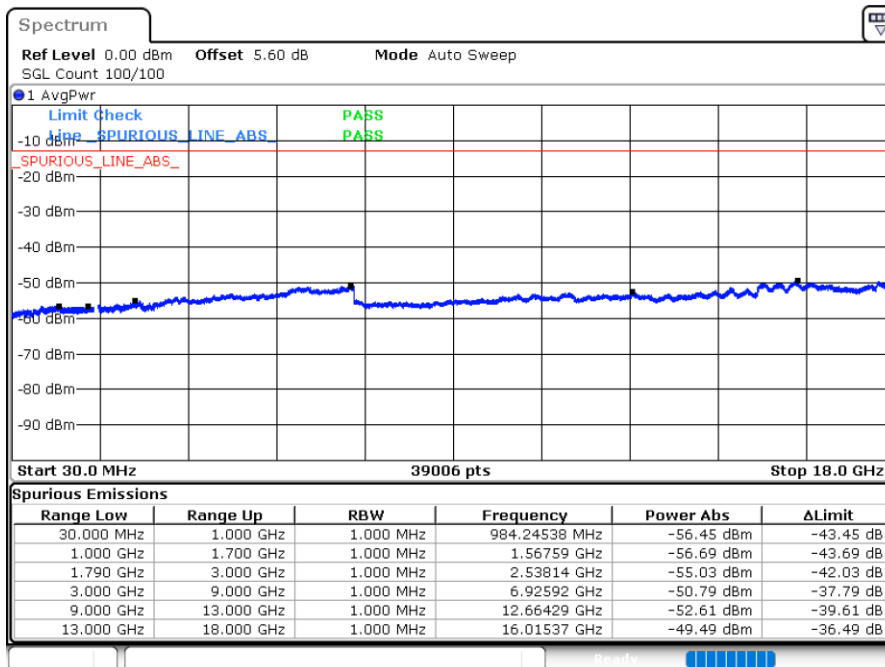
Date: 31.MAR.2025 11:39:47

Middle Channel / QPSK



Date: 31.MAR.2025 11:53:00

Highest Channel / QPSK

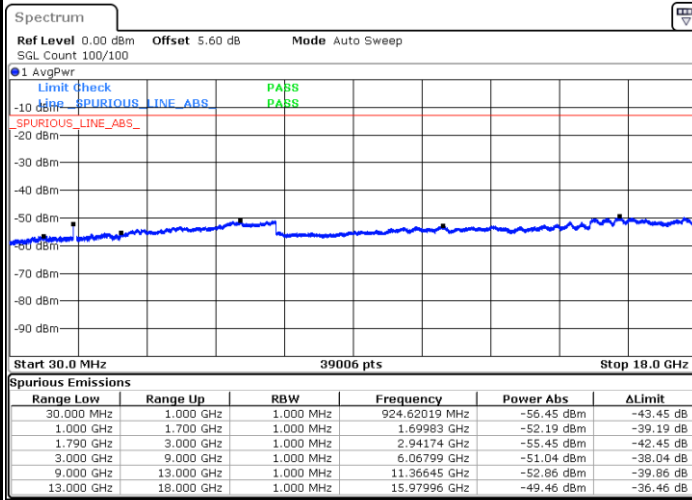


Date: 31.MAR.2025 11:54:49



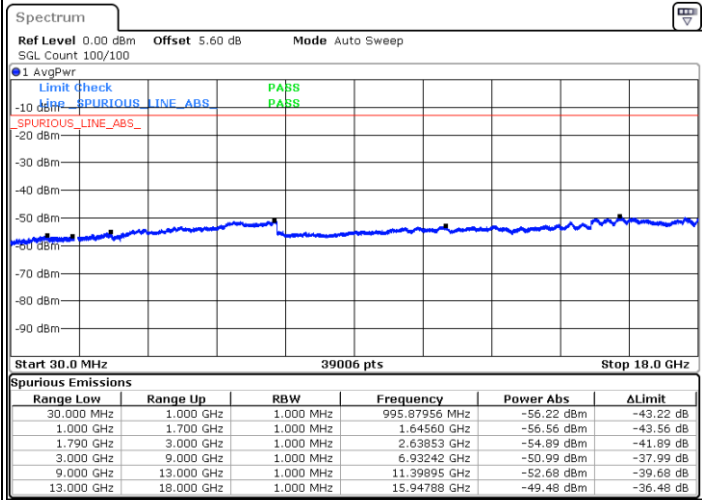
LTE Band 66 / 10MHz

Lowest Channel / QPSK



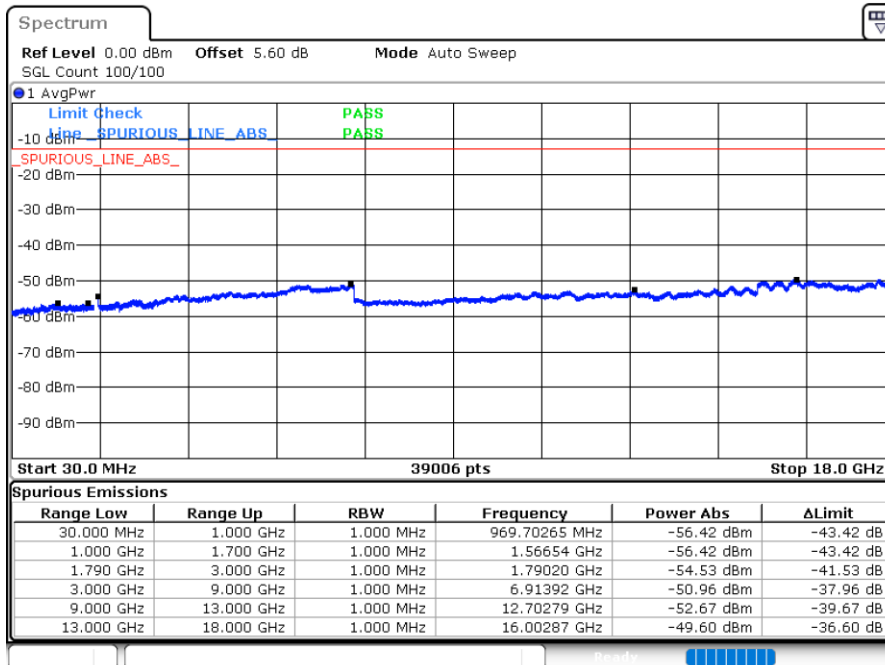
Date: 31.MAR.2025 12:09:11

Middle Channel / QPSK



Date: 31.MAR.2025 12:24:46

Highest Channel / QPSK

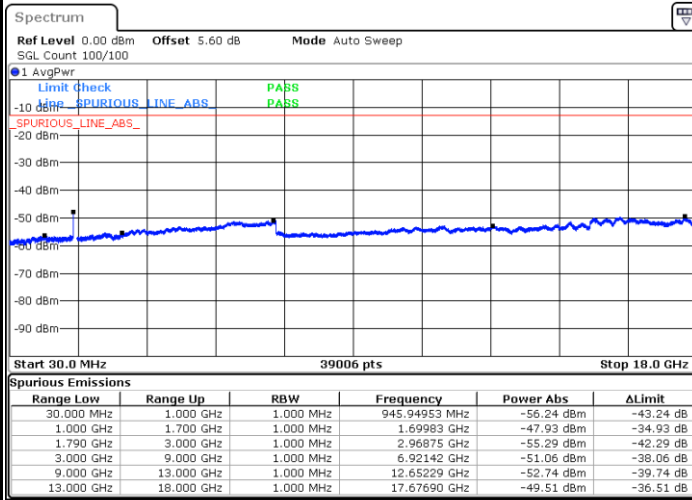


Date: 31.MAR.2025 12:26:35



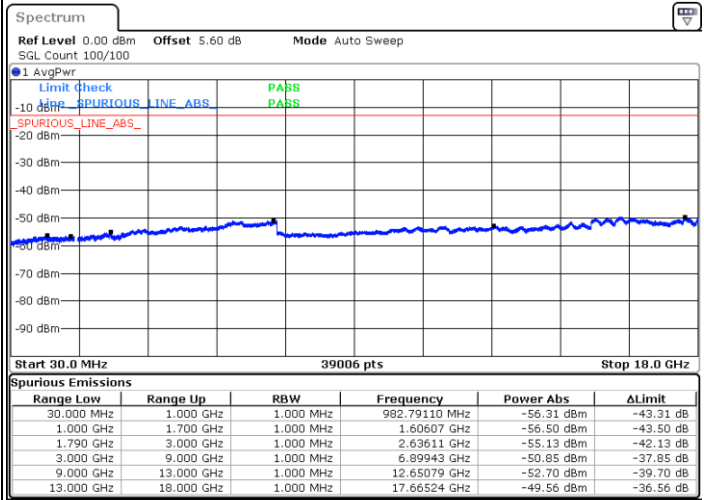
LTE Band 66 / 15MHz

Lowest Channel / QPSK



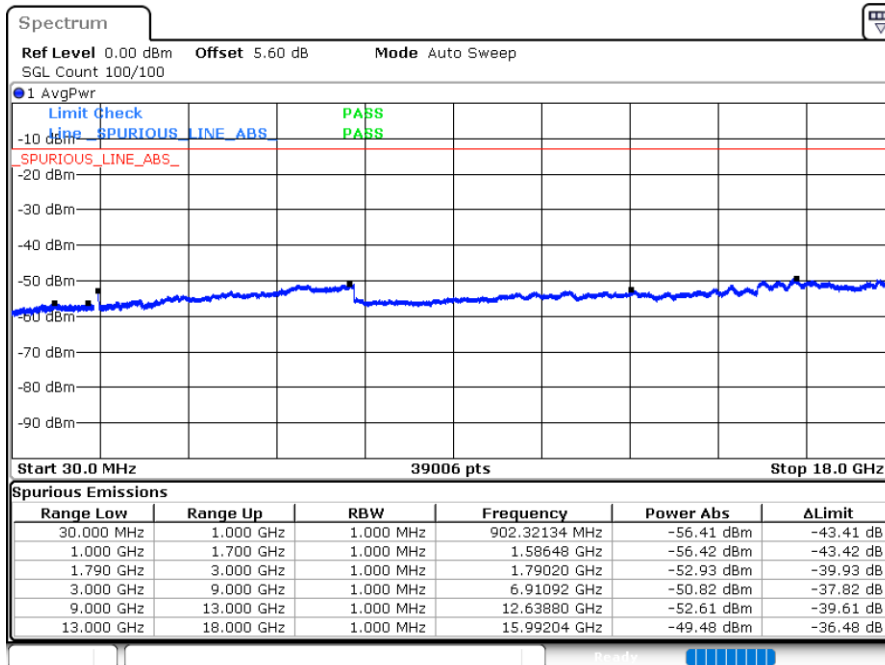
Date: 31.MAR.2025 13:46:35

Middle Channel / QPSK



Date: 31.MAR.2025 14:01:47

Highest Channel / QPSK

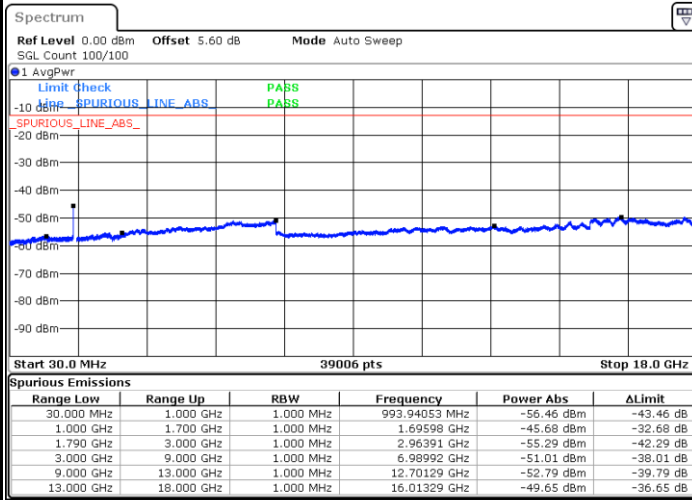


Date: 31.MAR.2025 14:03:36



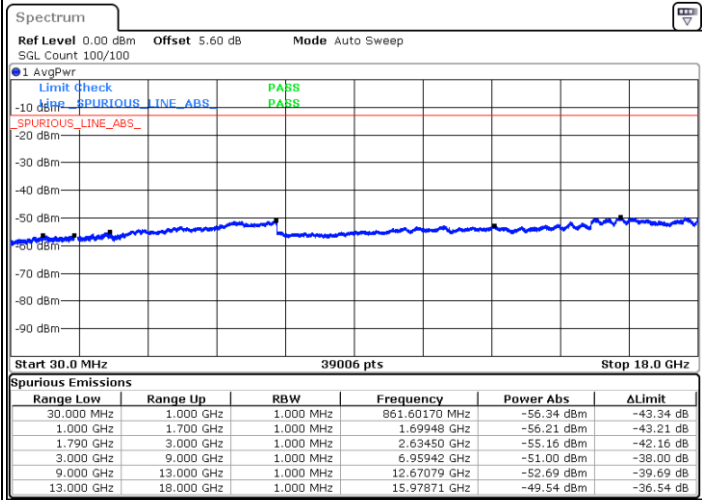
LTE Band 66 / 20MHz

Lowest Channel / QPSK



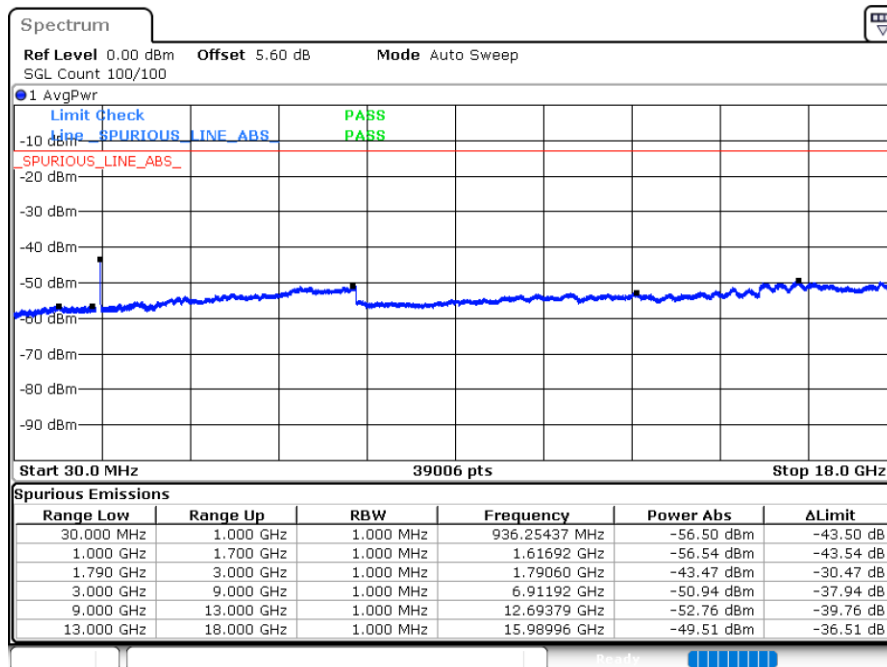
Date: 31.MAR.2025 14:20:59

Middle Channel / QPSK



Date: 31.MAR.2025 14:36:26

Highest Channel / QPSK



Date: 31.MAR.2025 14:38:15

**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	0.0012	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0038	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0059	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0063	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0023	

Note:

1. Normal Voltage =3.81 V.; Battery End Point (BEP) =3.4 V.; Maximum Voltage =4.5 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 :	LiangPingZhou	Temperature :	22~25℃
		Relative Humidity :	48~52%

Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test and record in the report.

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)
Middle	3747	-61.55	-13	-48.55	-80.17	-68.30	5.85	12.60	H
	5620.5	-59.60	-13	-46.60	-82.43	-65.40	7.30	13.10	H
	7494	-53.98	-13	-40.98	-80.88	-57.13	8.35	11.50	H
	3747	-61.81	-13	-48.81	-80.36	-68.56	5.85	12.60	V
	5620.5	-59.77	-13	-46.77	-82.32	-65.57	7.30	13.10	V
	7494	-55.13	-13	-42.13	-82.02	-58.28	8.35	11.50	V

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

LTE Band 26 / 15MHz / 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	1649.5	-34.09	-13	-21.09	-44.01	-37.34	4.00	9.40	H
	2474.25	-44.35	-13	-31.35	-58.82	-47.92	4.88	10.60	H
	3299	-61.86	-13	-48.86	-78.36	-66.79	5.52	12.60	H
	4123.75	-59.20	-13	-46.20	-79.09	-63.67	6.00	12.62	H
	1649.5	-35.01	-13	-22.01	-44.67	-38.26	4.00	9.40	V
	2474.25	-49.66	-13	-36.66	-64.10	-53.23	4.88	10.60	V
	3299	-59.84	-13	-46.84	-76.15	-64.77	5.52	12.60	V
	4123.75	-61.50	-13	-48.50	-81.40	-65.97	6.00	12.62	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3472	-62.03	-13	-49.03	-78.93	-68.88	5.65	12.50	H
	5208	-61.09	-13	-48.09	-82.82	-66.76	7.13	12.80	H
	6944	-56.44	-13	-43.44	-82.36	-59.84	8.40	11.80	H
	3472	-62.26	-13	-49.26	-79.18	-69.11	5.65	12.50	V
	5208	-60.56	-13	-47.56	-82.54	-66.23	7.13	12.80	V
	6944	-55.85	-13	-42.85	-82.24	-59.25	8.40	11.80	V

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



ULCA_2A-4A (ANT1+4)									
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)
LTE B2 BW 20MHz Middle 1RB0,QPSK	3742	-61.20	-13	-48.20	-79.78	-67.95	5.85	12.60	H
	5613	-58.99	-13	-45.99	-81.38	-64.79	7.30	13.10	H
	7484	-54.21	-13	-41.21	-81.14	-57.36	8.35	11.50	H
	3742	-61.24	-13	-48.24	-79.74	-67.99	5.85	12.60	V
	5613	-59.24	-13	-46.24	-81.82	-65.04	7.30	13.10	V
	7484	-53.70	-13	-40.70	-80.62	-56.85	8.35	11.50	V
LTE B4 BW 20MHz Middle 1RB0,QPSK	3447	-58.75	-13	-45.75	-75.52	-65.60	5.65	12.50	H
	5170.5	-60.27	-13	-47.27	-82.10	-65.94	7.13	12.80	H
	6894	-56.37	-13	-43.37	-81.94	-59.77	8.40	11.80	H
	3447	-58.99	-13	-45.99	-75.8	-65.84	5.65	12.50	V
	5170.5	-59.87	-13	-46.87	-81.97	-65.54	7.13	12.80	V
	6894	-55.78	-13	-42.78	-81.83	-59.18	8.40	11.80	V

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

ULCA_4A-5A (ANT1+4)									
Channel	Frequency (MHz)	ERP/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)
LTE B4 BW 20MHz Middle 1RB0,QPSK	3447	-61.38	-13	-48.38	-78.15	-68.23	5.65	12.50	H
	5170.5	-60.54	-13	-47.54	-82.37	-66.21	7.13	12.80	H
	6894	-56.36	-13	-43.36	-81.93	-59.76	8.40	11.80	H
	3447	-61.20	-13	-48.20	-78.01	-68.05	5.65	12.50	V
	5170.5	-60.19	-13	-47.19	-82.29	-65.86	7.13	12.80	V
	6894	-55.87	-13	-42.87	-81.92	-59.27	8.40	11.80	V
LTE B5 BW 10MHz Middle 1RB0,QPSK	1664	-46.60	-13	-33.60	-56.54	-49.85	4.00	9.40	H
	2496	-50.96	-13	-37.96	-65.40	-54.53	4.88	10.60	H
	3328	-62.33	-13	-49.33	-78.49	-67.26	5.52	12.60	H
	1664	-50.32	-13	-37.32	-59.86	-53.57	4.00	9.40	V
	2496	-52.36	-13	-39.36	-66.76	-55.93	4.88	10.60	V
	3328	-63.02	-13	-50.02	-78.94	-67.95	5.52	12.60	V

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



ULCA_2A-66A (ANT1+4)									
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)
LTE B2 BW 20MHz Middle 1RB0,QPSK	3742	-61.26	-13	-48.26	-79.84	-68.01	5.85	12.60	H
	5613	-58.88	-13	-45.88	-81.27	-64.68	7.30	13.10	H
	7484	-54.43	-13	-41.43	-81.36	-57.58	8.35	11.50	H
	3742	-61.32	-13	-48.32	-79.82	-68.07	5.85	12.60	V
	5613	-59.43	-13	-46.43	-82.01	-65.23	7.30	13.10	V
	7484	-54.52	-13	-41.52	-81.44	-57.67	8.35	11.50	V
LTE B66 BW 20MHz Middle 1RB0,QPSK	3472	-57.79	-13	-44.79	-74.69	-64.64	5.65	12.50	H
	5208	-60.45	-13	-47.45	-82.18	-66.12	7.13	12.80	H
	6944	-55.93	-13	-42.93	-81.85	-59.33	8.40	11.80	H
	3472	-57.88	-13	-44.88	-74.8	-64.73	5.65	12.50	V
	5208	-60.21	-13	-47.21	-82.19	-65.88	7.13	12.80	V
	6944	-55.08	-13	-42.08	-81.47	-58.48	8.40	11.80	V

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