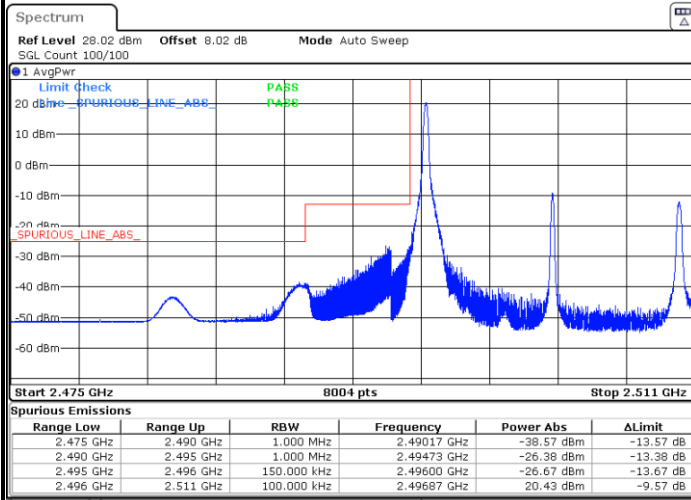




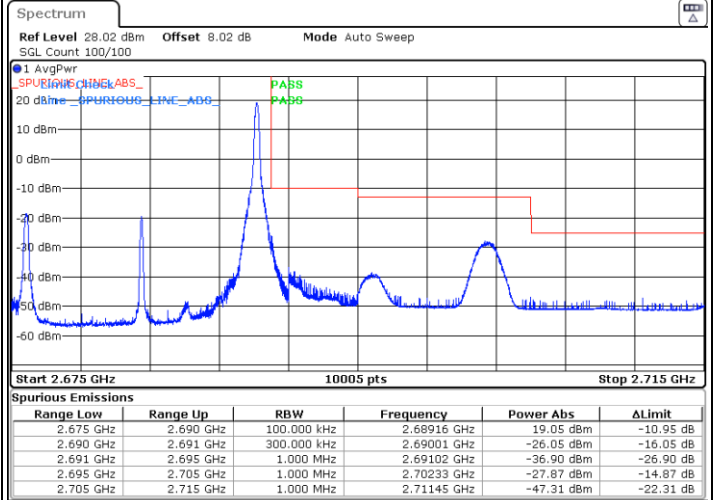
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



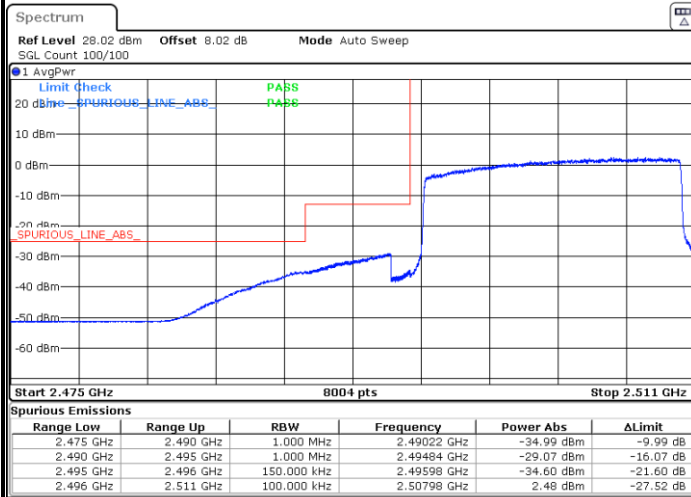
Date: 20.APR.2025 15:43:41

Highest Band Edge / 1 RB



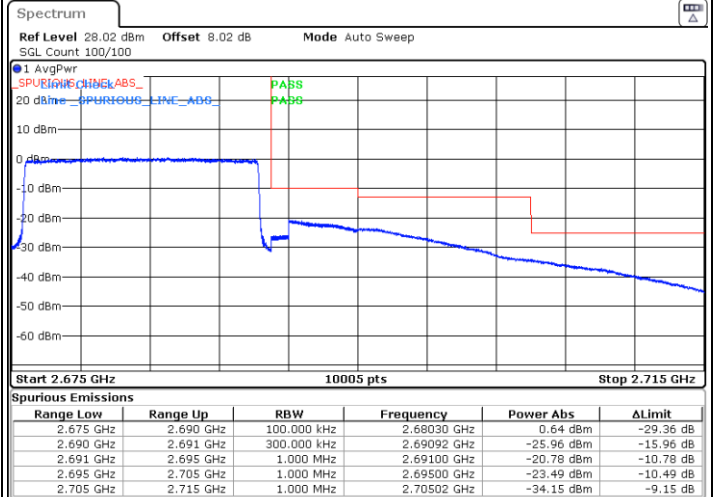
Date: 20.APR.2025 15:48:09

Lowest Band Edge / Full RB



Date: 20.APR.2025 15:45:57

Highest Band Edge / Full RB

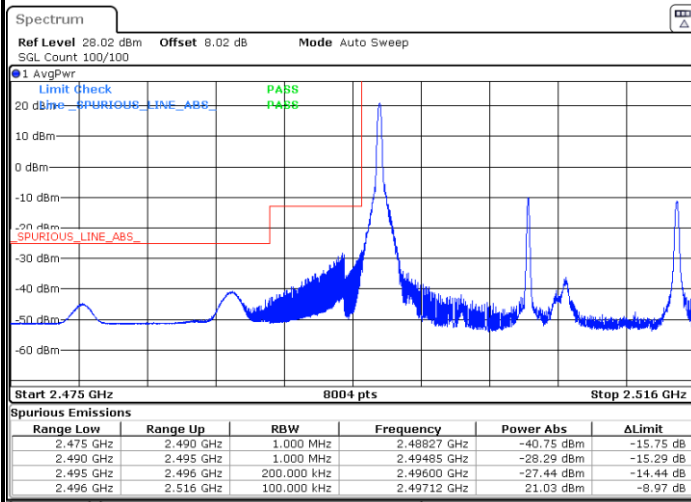


Date: 20.APR.2025 15:50:22

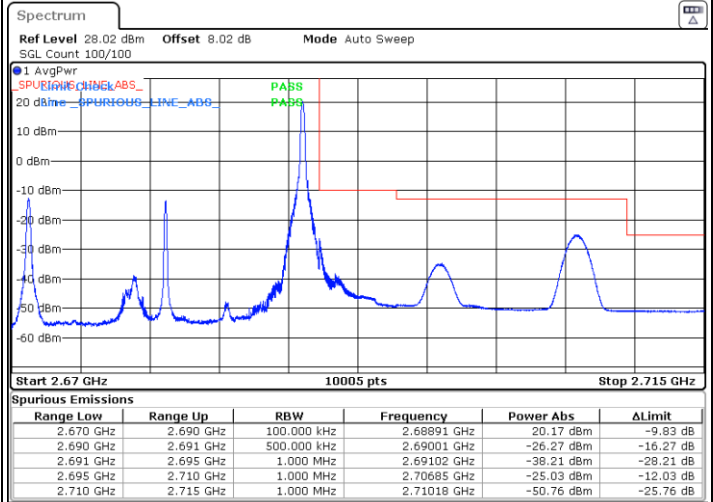


LTE Band 41 / 20MHz / QPSK

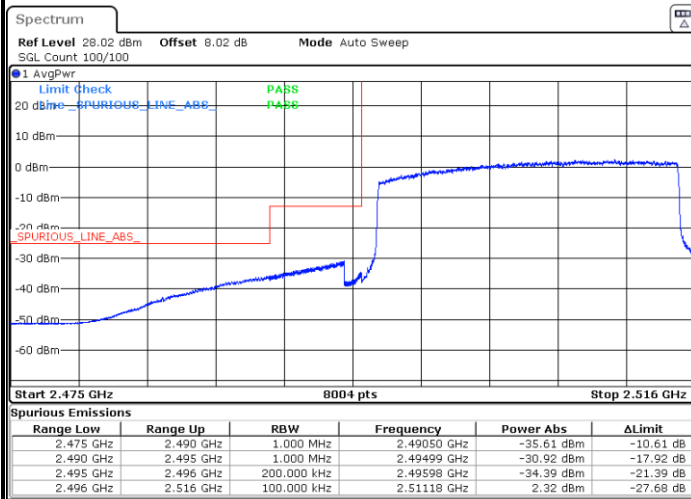
Lowest Band Edge / 1 RB



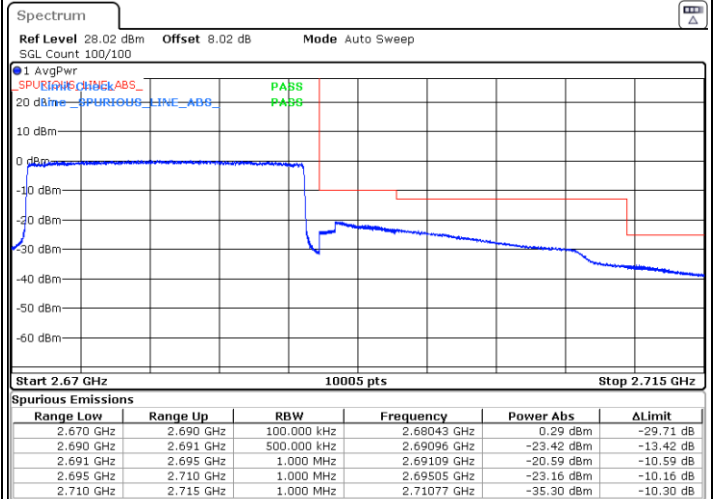
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



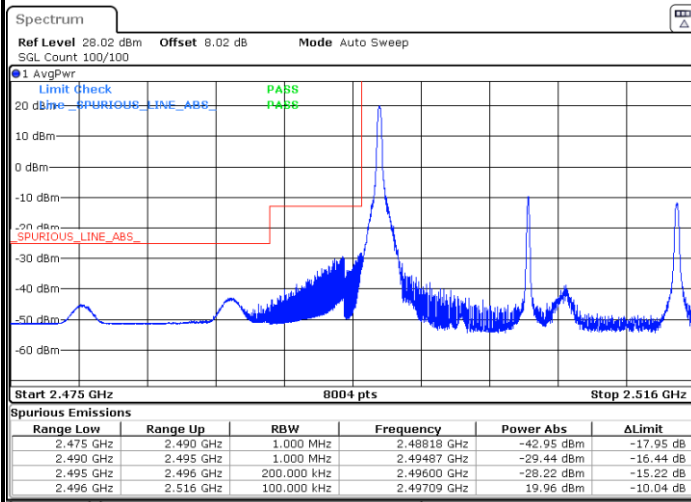
Highest Band Edge / Full RB



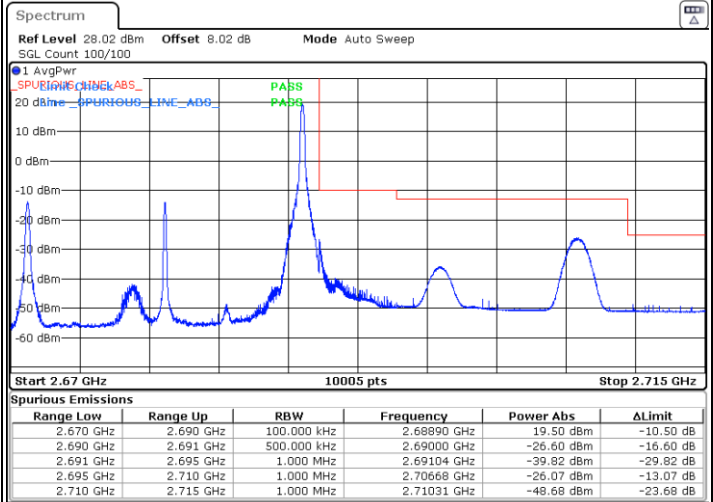


LTE Band 41 / 20MHz / 16QAM

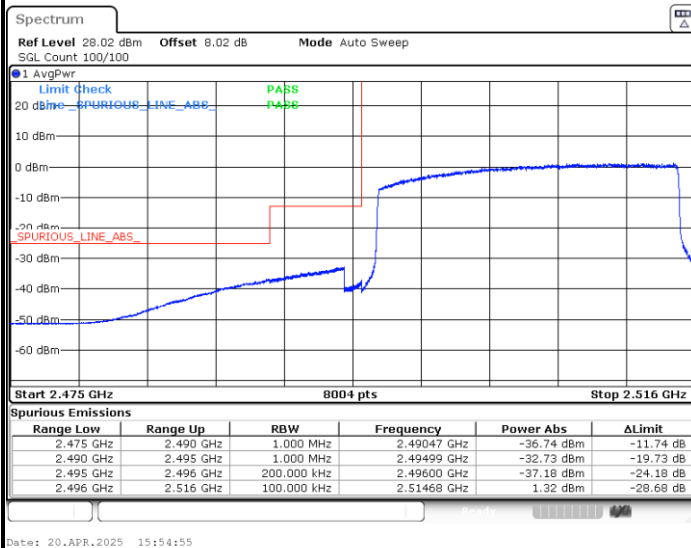
Lowest Band Edge / 1 RB



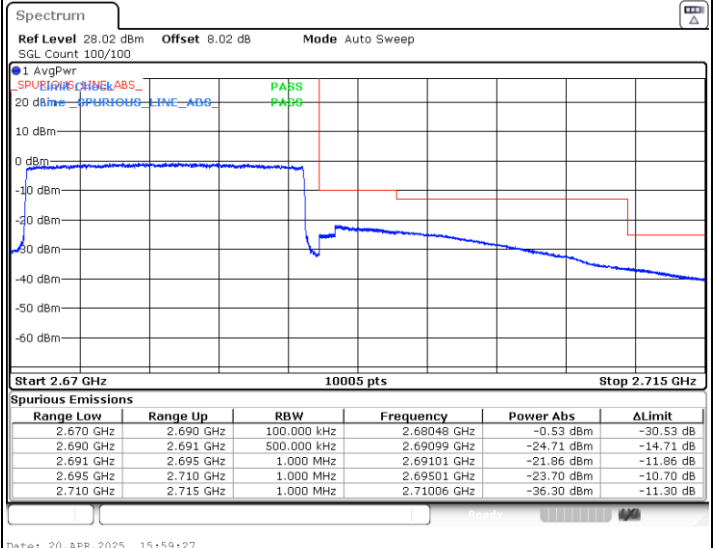
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

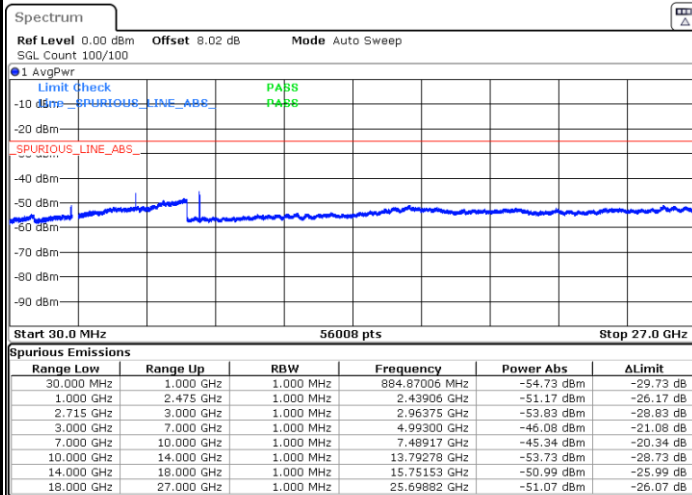




Conducted Spurious Emission

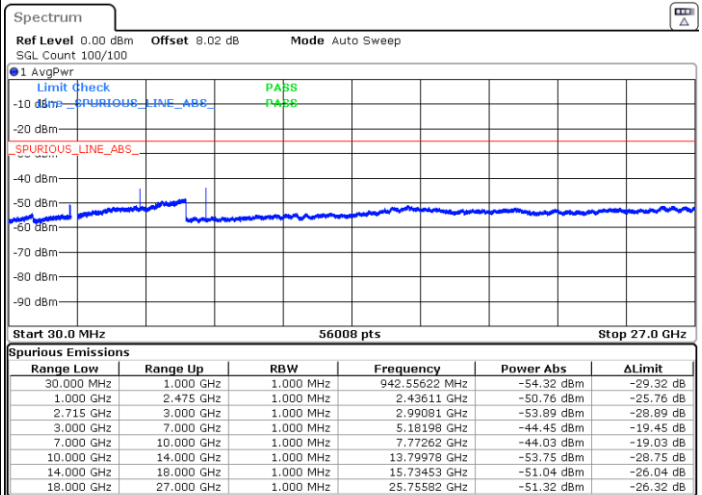
LTE Band 41 / 5MHz

Lowest Channel / QPSK



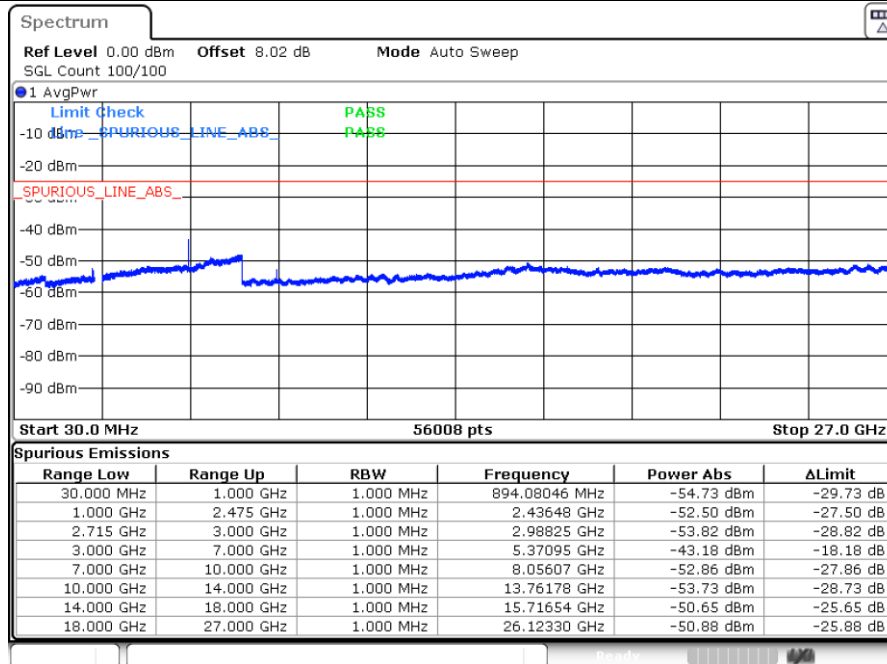
Date: 20.APR.2025 16:02:46

Middle Channel / QPSK



Date: 20.APR.2025 16:03:46

Highest Channel / QPSK

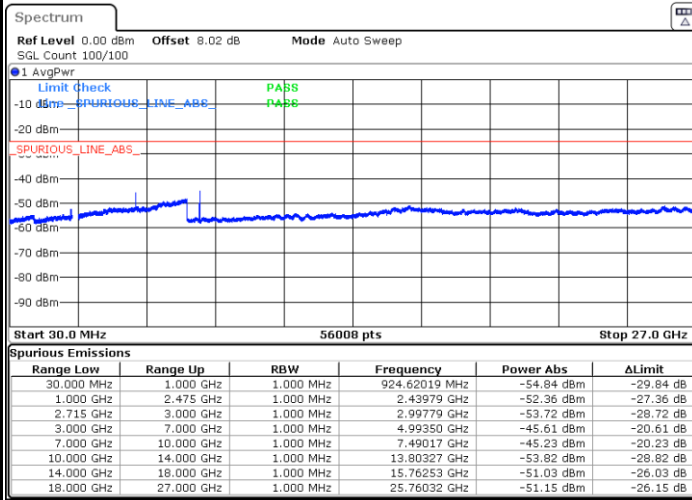


Date: 20.APR.2025 16:04:45



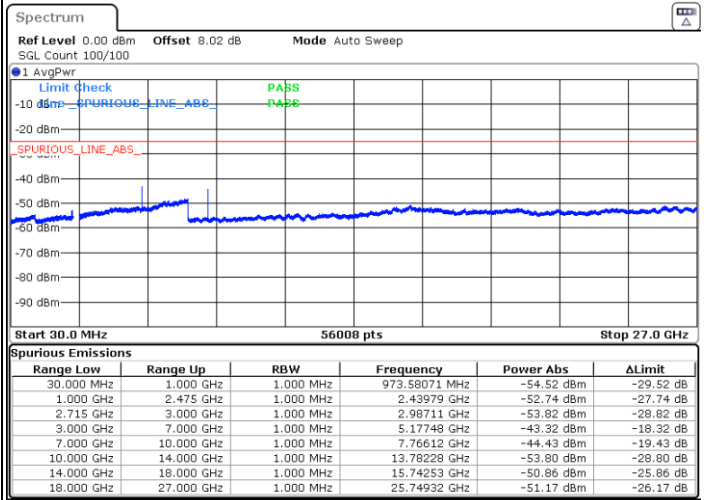
LTE Band 41 / 10MHz

Lowest Channel / QPSK



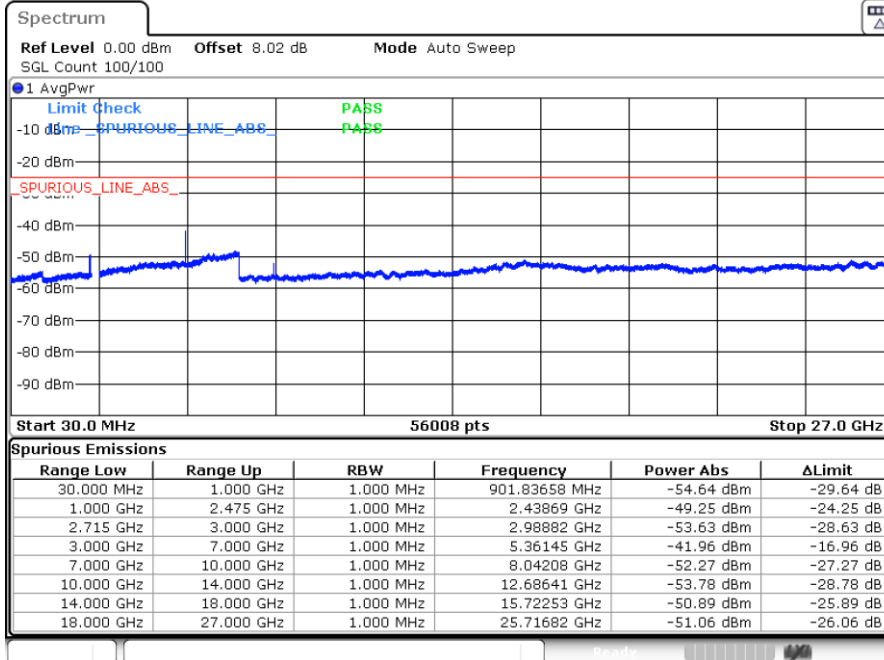
Date: 20.APR.2025 16:05:46

Middle Channel / QPSK



Date: 20.APR.2025 16:06:45

Highest Channel / QPSK

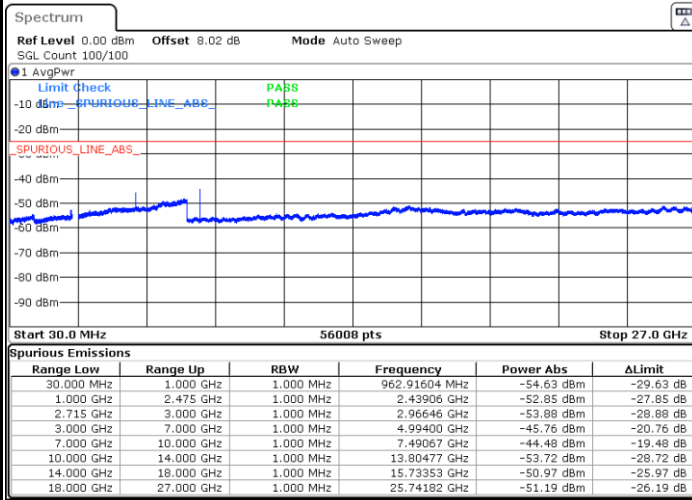


Date: 20.APR.2025 16:07:45



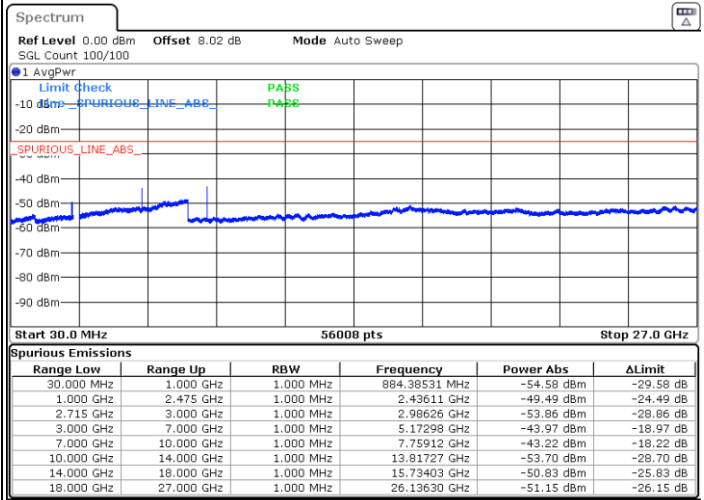
LTE Band 41 / 15MHz

Lowest Channel / QPSK



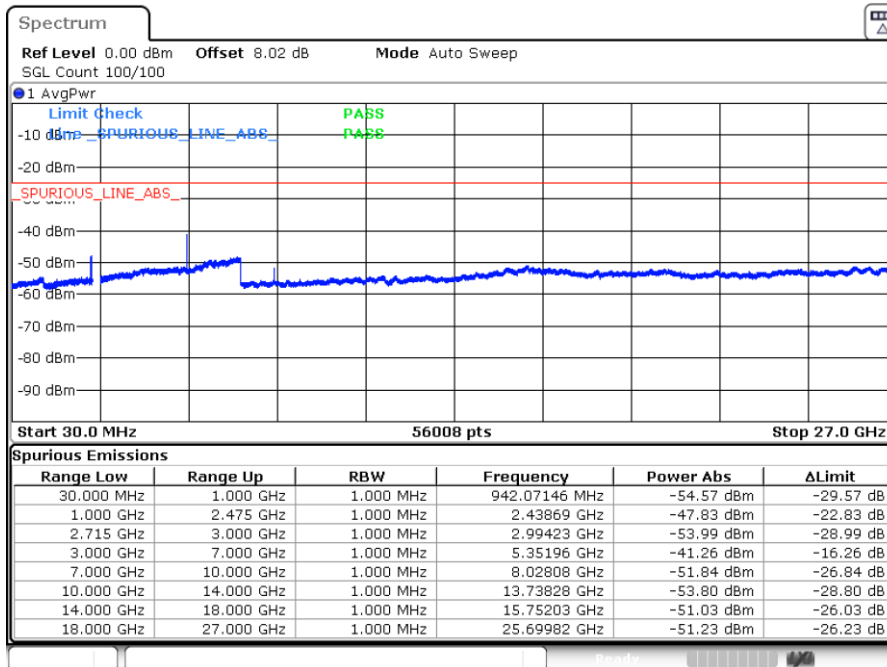
Date: 20.APR.2025 16:08:45

Middle Channel / QPSK



Date: 20.APR.2025 16:09:45

Highest Channel / QPSK

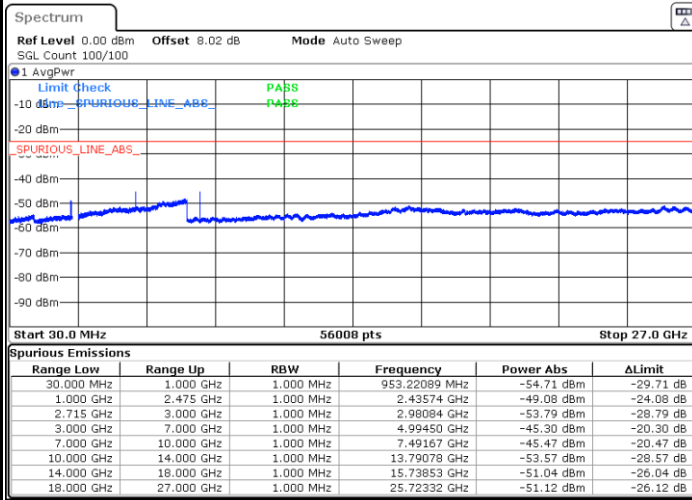


Date: 20.APR.2025 16:10:45



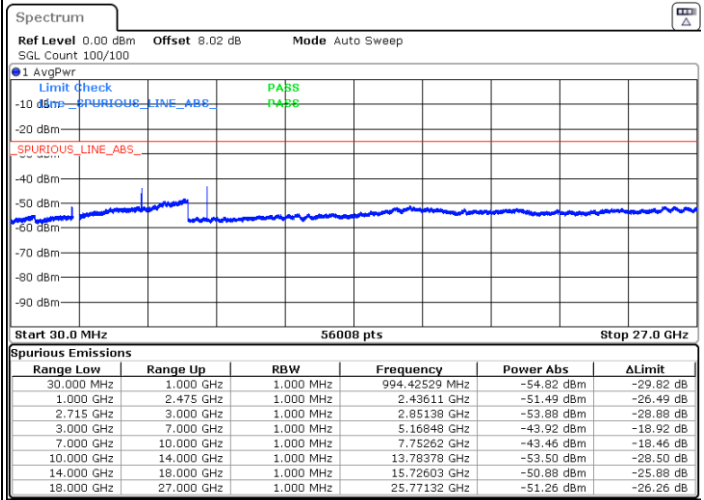
LTE Band 41 / 20MHz

Lowest Channel / QPSK



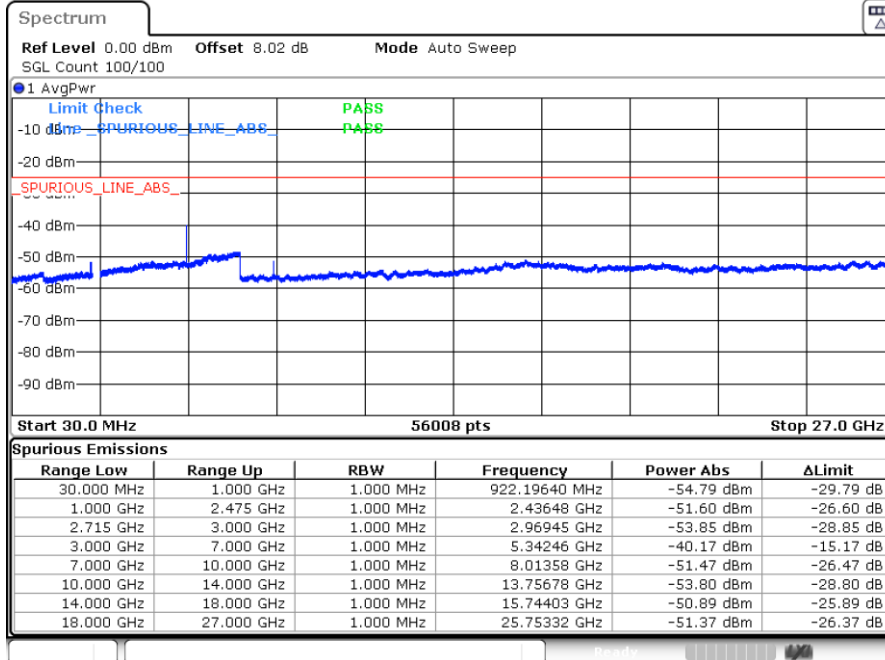
Date: 20.APR.2025 16:11:46

Middle Channel / QPSK



Date: 20.APR.2025 16:12:45

Highest Channel / QPSK



Date: 20.APR.2025 16:13:45

**Frequency Stability**

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0033	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0035	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0031	
20	Minimum Voltage	0.0014	

Note:

1. Normal Voltage =12 V. ; Minimum Voltage =10.8 V. ; Maximum Voltage =13.2V.
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	Temperature :	21~25°C
		Relative Humidity :	52~53%

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	-54.66	-25	-29.66	-64.87	3.03	13.24	H
	7584	-59.40	-25	-34.40	-68.85	3.56	13.01	H
	10104	-52.69	-25	-27.69	-62.21	3.92	13.44	H
	5050	-55.22	-25	-30.22	-65.43	3.03	13.24	V
	7584	-59.26	-25	-34.26	-68.71	3.56	13.01	V
	10104	-55.99	-25	-30.99	-65.51	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)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1408	-65.68	-13	-52.68	-67.82	1.58	5.87	H
	2112	-58.60	-13	-45.60	-60.27	2.102	5.92	H
	2808	-56.49	-13	-43.49	-59.16	2.856	7.68	H
	1408	-65.17	-13	-52.17	-67.31	1.58	5.87	V
	2112	-58.79	-13	-45.79	-60.46	2.10	5.92	V
	2808	-56.36	-13	-43.36	-59.03	2.86	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)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-65.16	-42.15	-23.01	-67.79	1.09	5.87	H
	2336	-61.23	-13	-48.23	-63.63	1.37	5.92	H
	3120	-59.56	-13	-46.56	-63.45	1.64	7.68	H
	1560	-60.55	-42.15	-18.40	-63.18	1.09	5.87	V
	2336	-60.16	-13	-47.16	-62.56	1.37	5.92	V
	3120	-59.49	-13	-46.49	-63.38	1.64	7.68	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1552	-65.09	-13	-52.09	-67.72	1.09	5.87	H
	2328	-61.07	-13	-48.07	-63.47	1.37	5.92	H
	3112	-59.26	-13	-46.26	-63.15	1.64	7.68	H
	1552	-64.54	-13	-51.54	-67.17	1.09	5.87	V
	2328	-59.68	-13	-46.68	-62.08	1.37	5.92	V
	3112	-59.30	-13	-46.30	-63.19	1.64	7.68	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	-46.67	-25	-21.67	-56.88	3.03	13.24	H
	7752	-60.33	-25	-35.33	-69.78	3.56	13.01	H
	10342	-58.68	-25	-33.68	-68.20	3.92	13.44	H
	5162	-44.78	-25	-19.78	-54.99	3.03	13.24	V
	7752	-59.73	-25	-34.73	-69.18	3.56	13.01	V
	10342	-60.04	-25	-35.04	-69.56	3.92	13.44	V

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