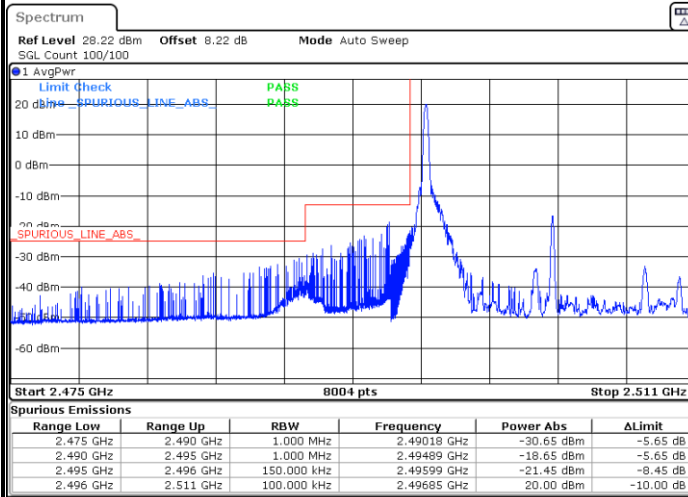




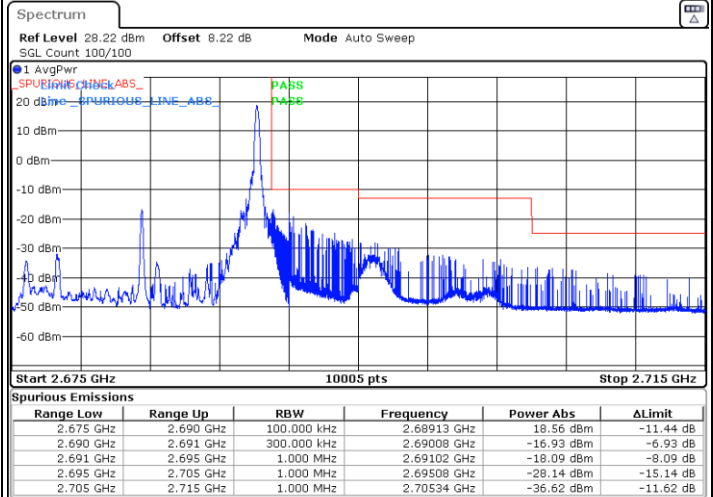
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



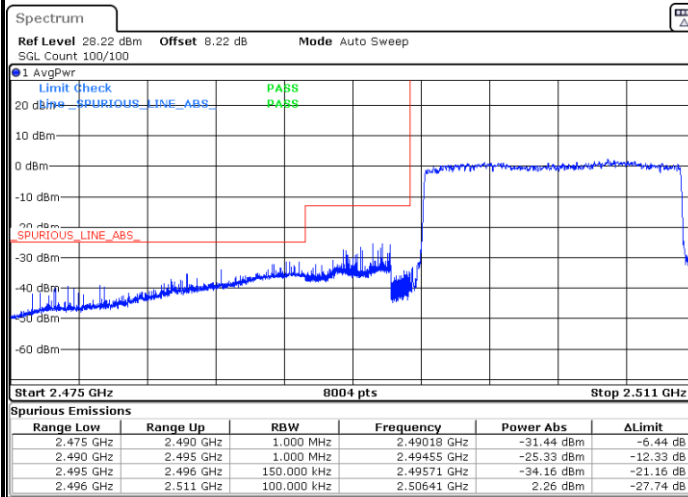
Date: 22.JAN.2024 21:30:09

Highest Band Edge / 1 RB



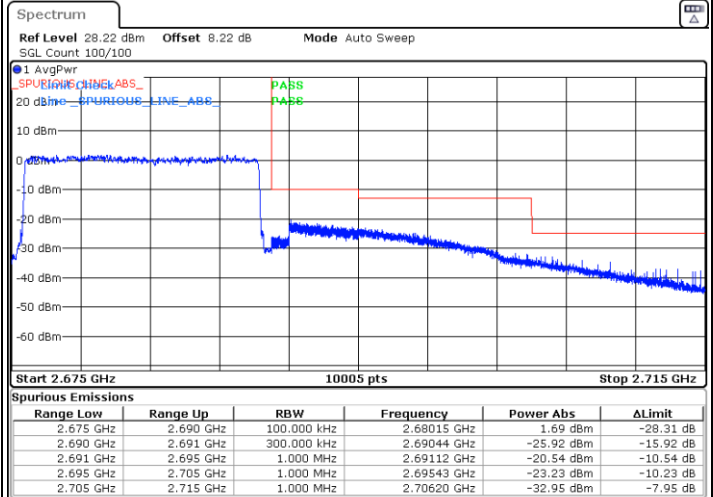
Date: 22.JAN.2024 21:34:51

Lowest Band Edge / Full RB



Date: 22.JAN.2024 21:32:33

Highest Band Edge / Full RB

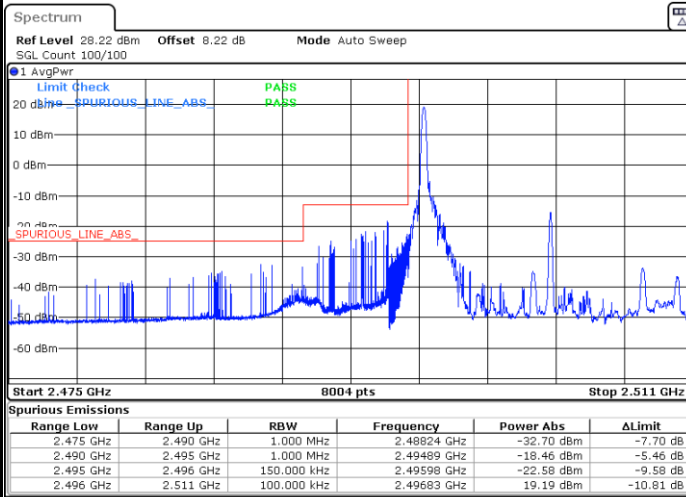


Date: 22.JAN.2024 21:37:07

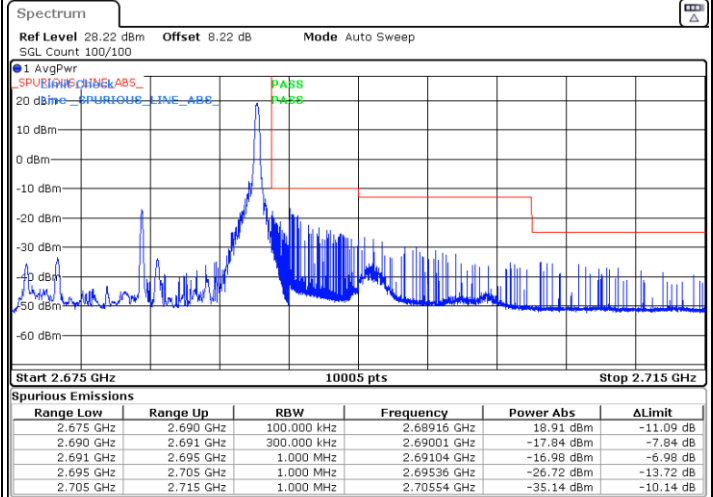


LTE Band 41 / 15MHz / 64QAM

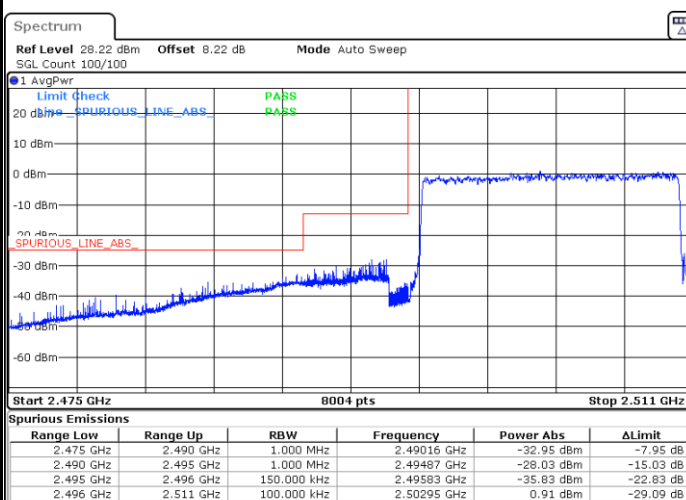
Lowest Band Edge / 1 RB



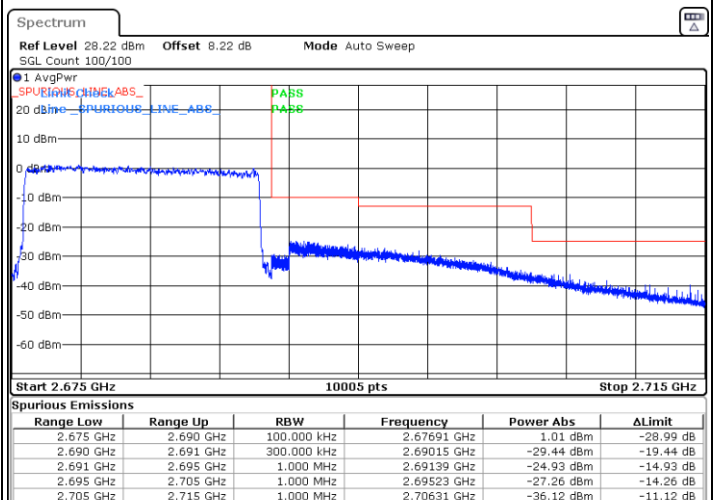
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



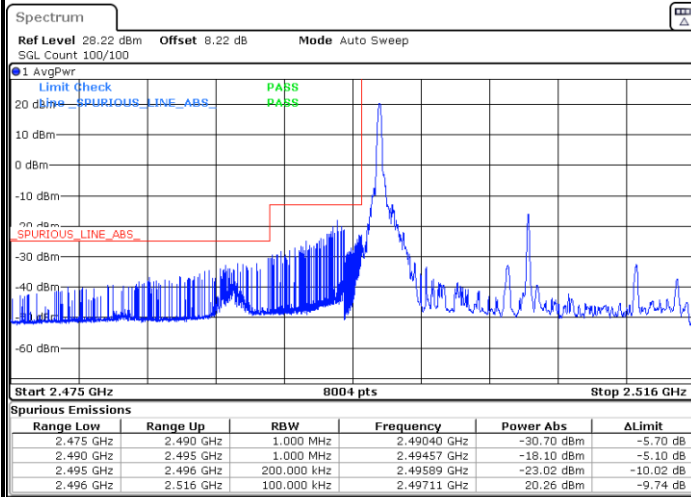
Highest Band Edge / Full RB



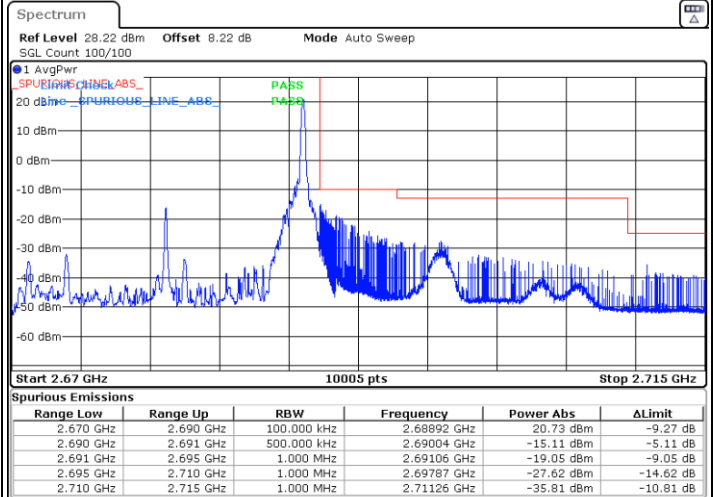


LTE Band 41 / 20MHz / QPSK

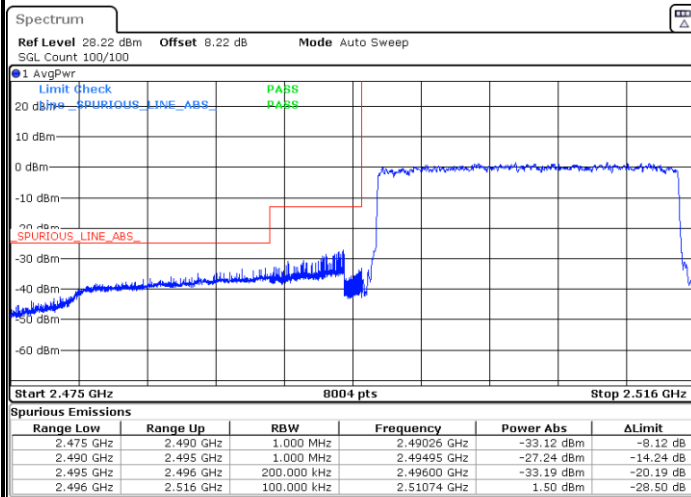
Lowest Band Edge / 1 RB



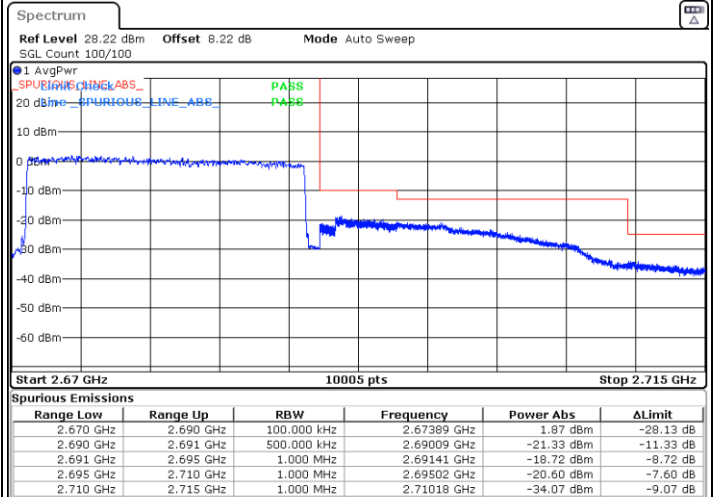
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



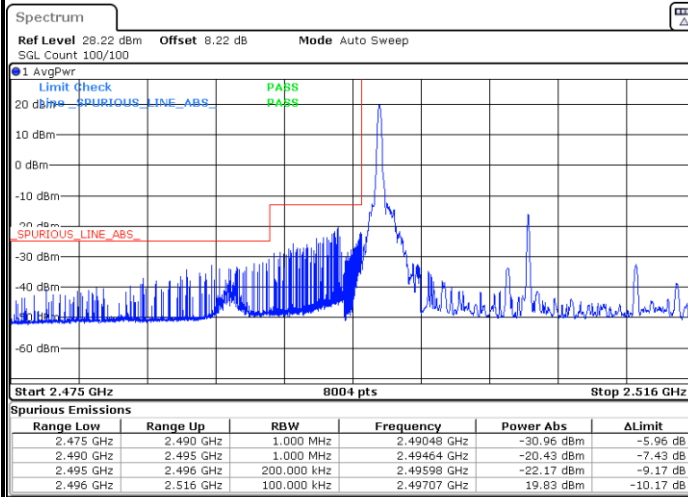
Highest Band Edge / Full RB



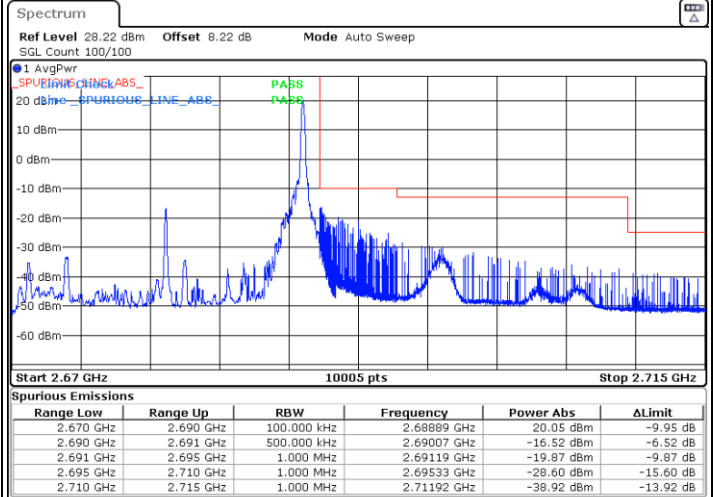


LTE Band 41 / 20MHz / 16QAM

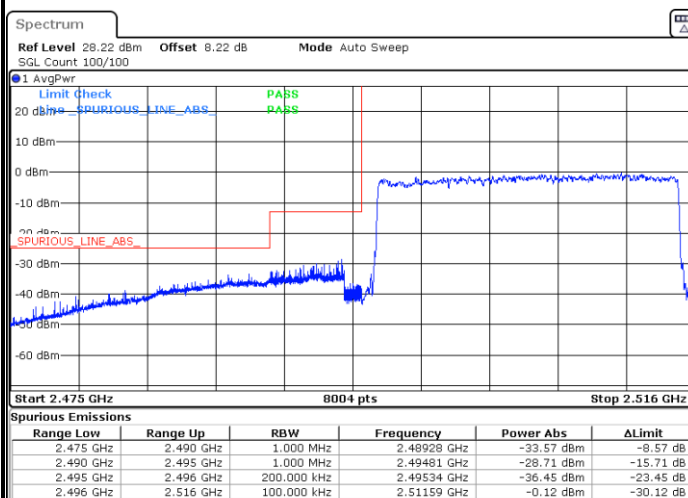
Lowest Band Edge / 1 RB



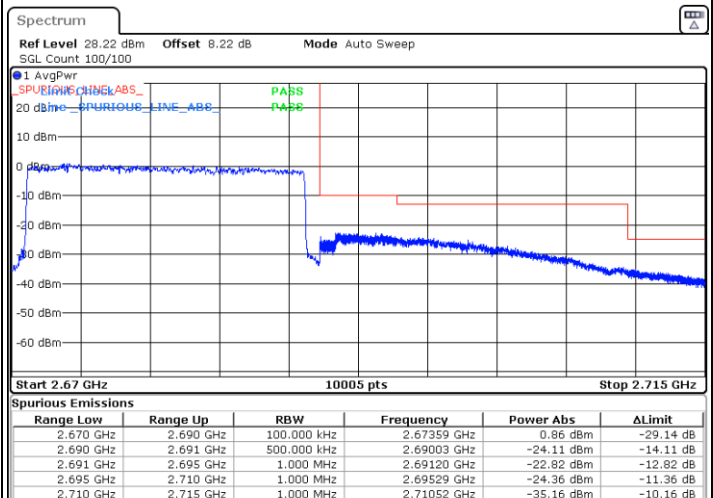
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



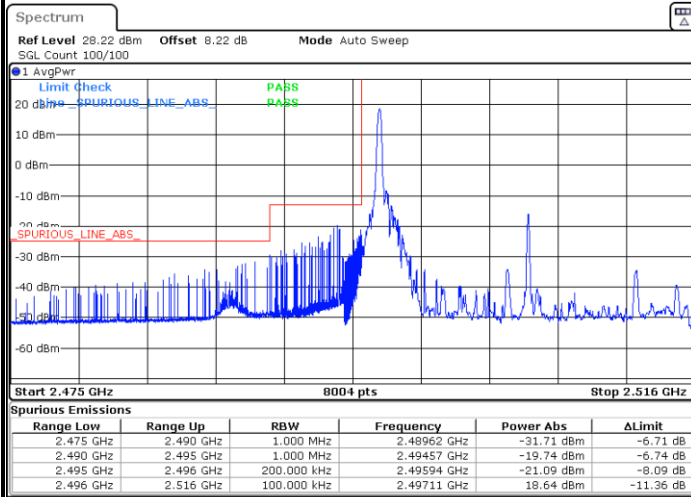
Highest Band Edge / Full RB





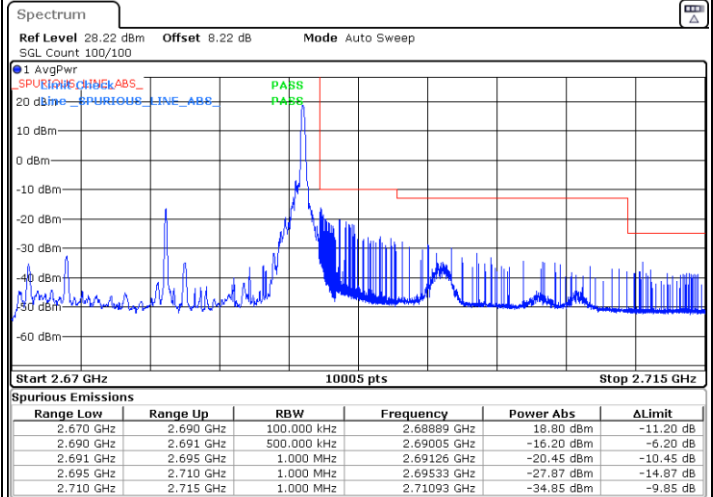
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



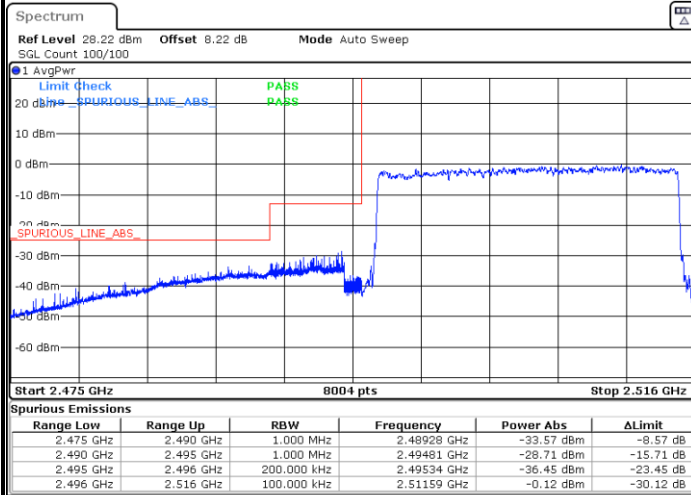
Date: 22.JAN.2024 21:40:16

Highest Band Edge / 1 RB



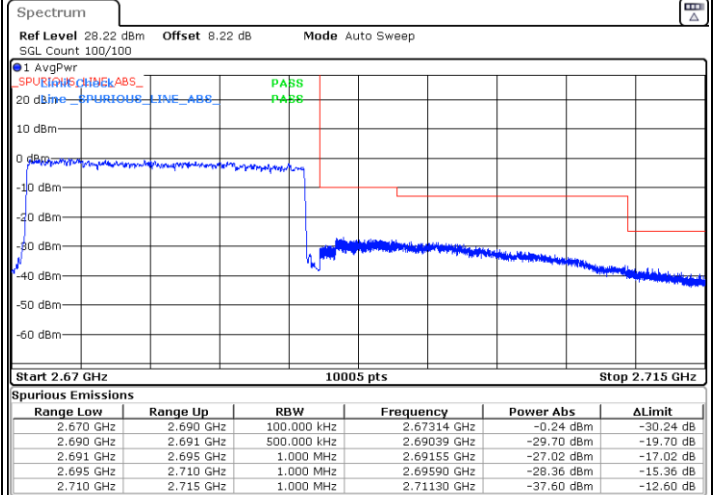
Date: 22.JAN.2024 21:44:56

Lowest Band Edge / Full RB



Date: 22.JAN.2024 21:42:40

Highest Band Edge / Full RB



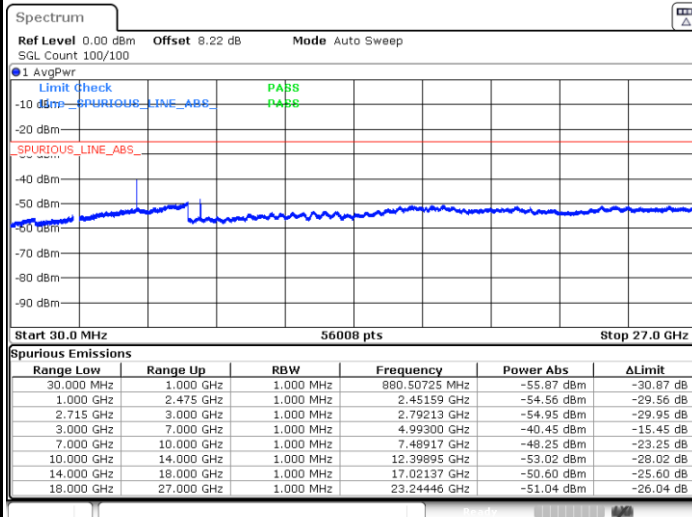
Date: 22.JAN.2024 21:47:12



Conducted Spurious Emission

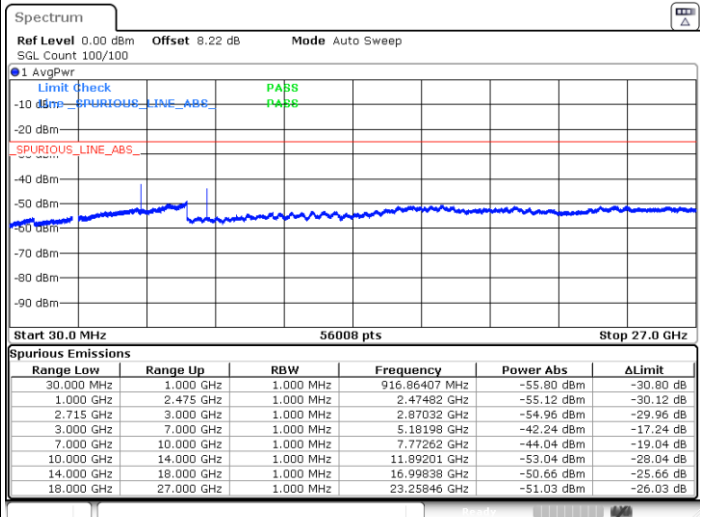
LTE Band 41 / 5MHz

Lowest Channel / QPSK



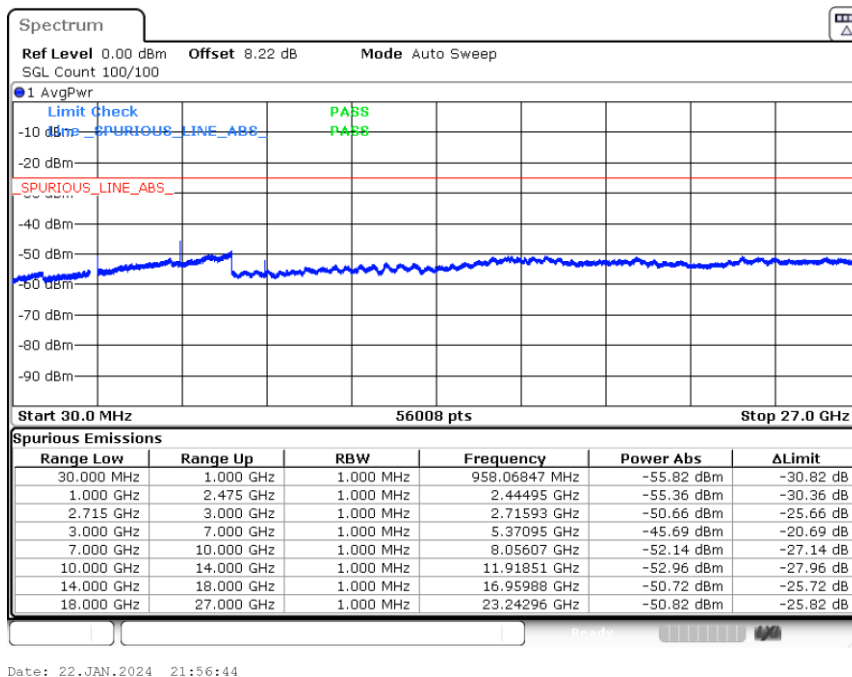
Date: 22.JAN.2024 21:52:39

Middle Channel / QPSK



Date: 22.JAN.2024 21:54:41

Highest Channel / QPSK



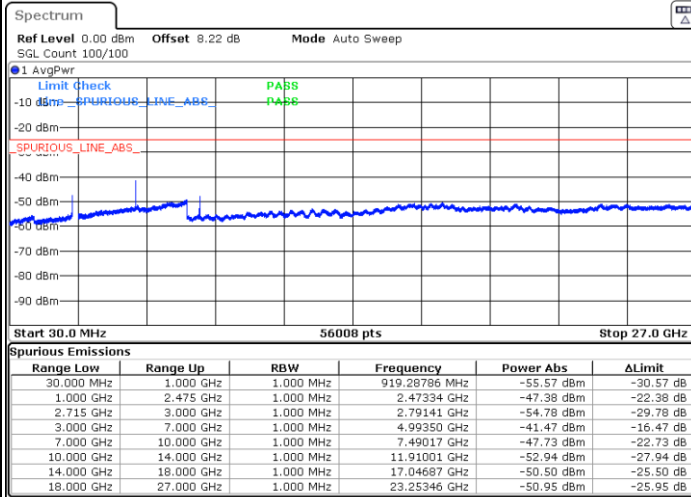
Date: 22.JAN.2024 21:56:44



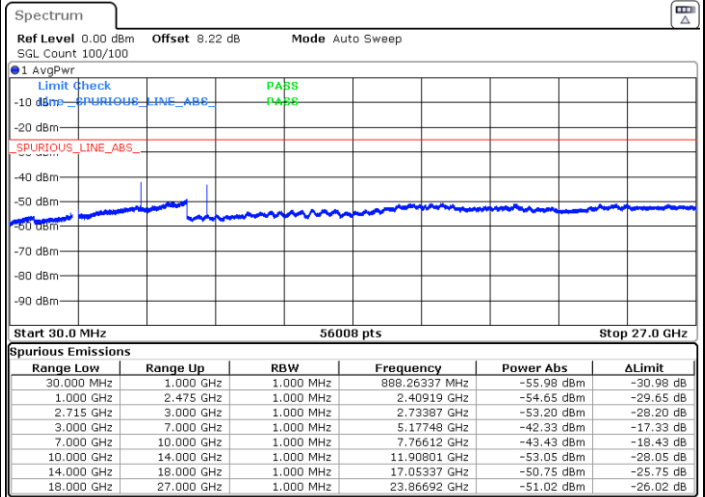
LTE Band 41 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

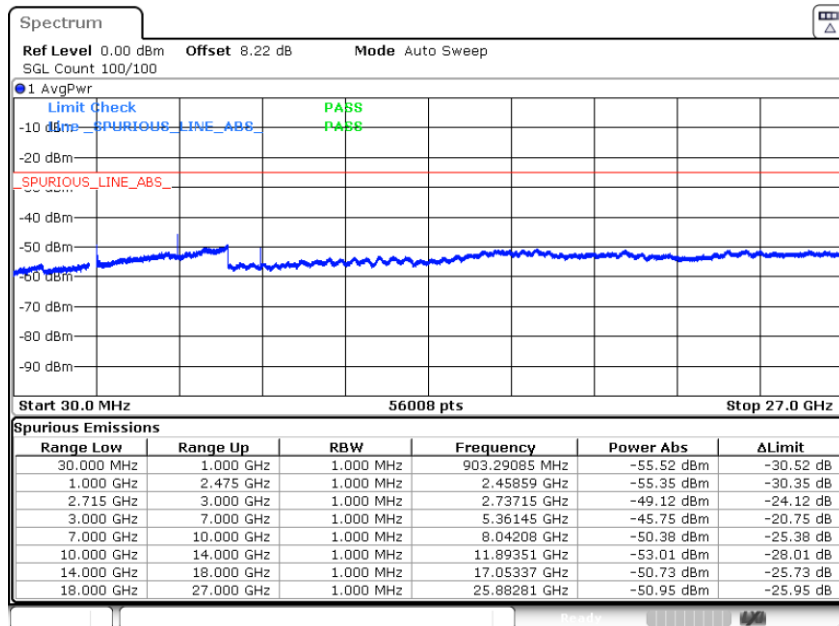


Date: 22.JAN.2024 21:58:47



Date: 22.JAN.2024 22:00:49

Highest Channel / QPSK

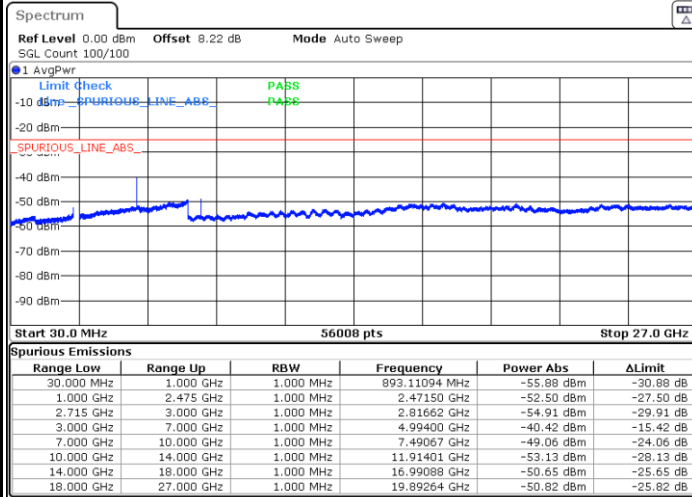


Date: 22.JAN.2024 22:02:51



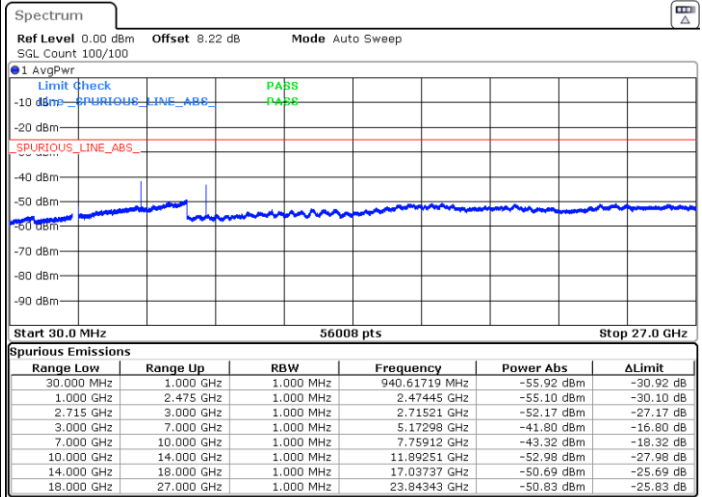
LTE Band 41 / 15MHz

Lowest Channel / QPSK



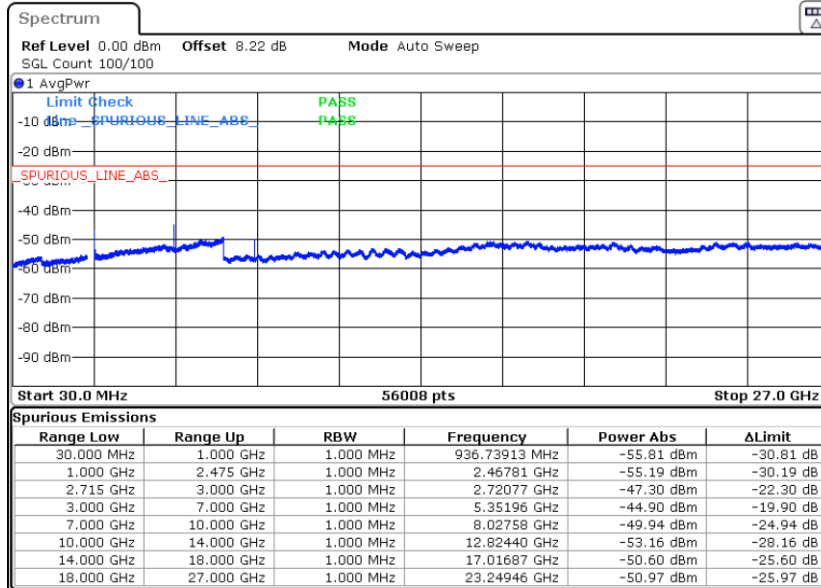
Date: 22.JAN.2024 22:04:54

Middle Channel / QPSK



Date: 22.JAN.2024 22:06:56

Highest Channel / QPSK



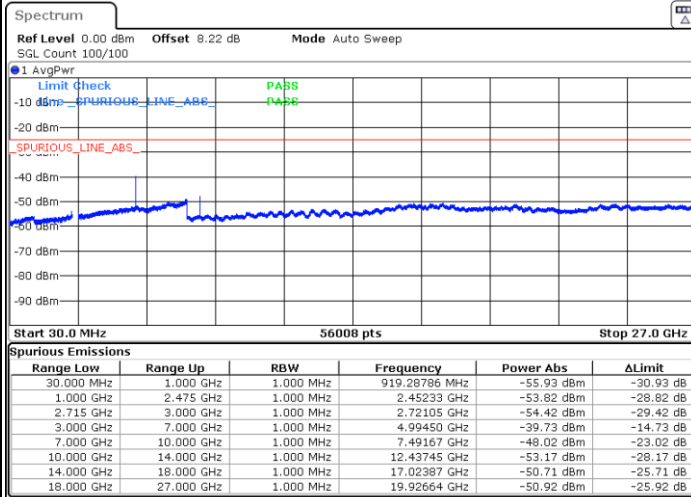
Date: 22.JAN.2024 22:08:59



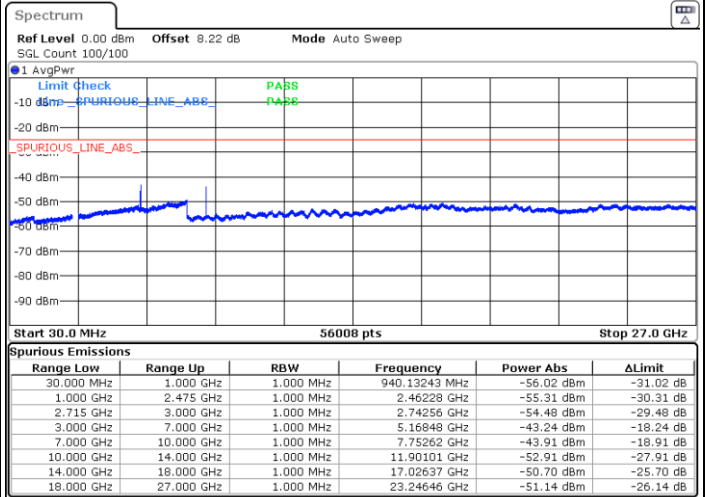
LTE Band 41 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

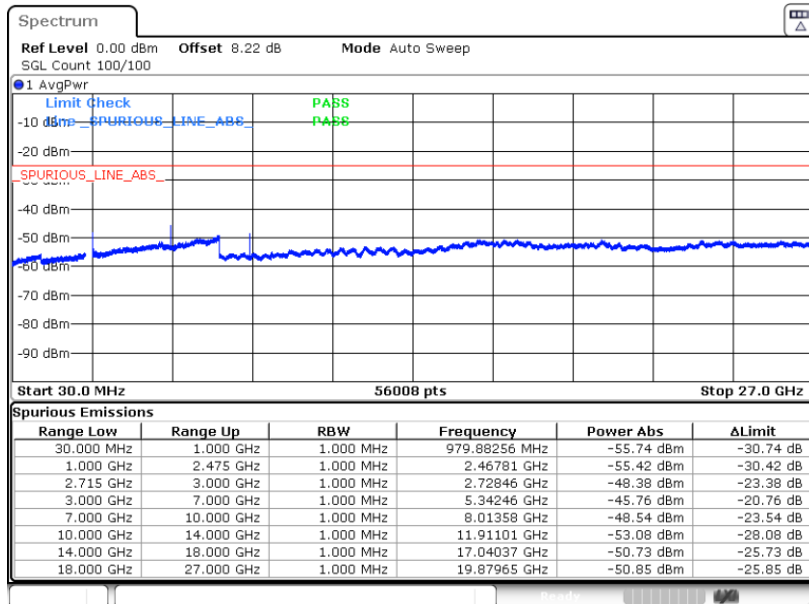


Date: 22.JAN.2024 22:11:02



Date: 22.JAN.2024 22:13:04

Highest Channel / QPSK



Date: 22.JAN.2024 22:15:06

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	0.0019	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0038	
0	Normal Voltage	0.0057	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0044	
20	Battery End Point	0.0021	

Note:

3. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.40 V. ; Maximum Voltage =4.48V.
4. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

LTE Band 5 / 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	1672	-64.01	-13	-51.01	-70.98	1.58	10.70	H
	2504	-60.39	-13	-47.39	-68.64	2.102	12.50	H
	3336	-60.82	-13	-47.82	-69.71	2.856	13.90	H
	1672	-63.55	-13	-50.55	-70.52	1.58	10.70	V
	2504	-56.24	-13	-43.24	-64.49	2.10	12.50	V
	3336	-61.26	-13	-48.26	-70.15	2.86	13.90	V

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

LTE Band 5 / 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	1664	-65.27	-13	-52.27	-72.24	1.58	10.70	H
	2496	-61.80	-13	-48.80	-70.05	2.102	12.50	H
	3328	-61.32	-13	-48.32	-70.21	2.856	13.90	H
	1664	-64.01	-13	-51.01	-70.98	1.58	10.70	V
	2496	-59.99	-13	-46.99	-68.24	2.10	12.50	V
	3328	-61.27	-13	-48.27	-70.16	2.86	13.90	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)
Lowest	1400	-68.37	-13	-55.37	-75.34	1.58	10.70	H
	2096	-63.97	-13	-50.97	-72.22	2.102	12.50	H
	2800	-59.72	-13	-46.72	-68.61	2.856	13.90	H
	1400	-67.90	-13	-54.90	-74.87	1.58	10.70	V
	2096	-63.29	-13	-50.29	-71.54	2.10	12.50	V
	2800	-59.45	-13	-46.45	-68.34	2.86	13.90	V
Middle	1408	-68.36	-13	-55.36	-75.33	1.58	10.70	H
	2112	-63.11	-13	-50.11	-71.36	2.102	12.50	H
	2816	-60.45	-13	-47.45	-69.34	2.856	13.90	H
	1408	-68.02	-13	-55.02	-74.99	1.58	10.70	V
	2112	-62.08	-13	-49.08	-70.33	2.10	12.50	V
	2816	-60.14	-13	-47.14	-69.03	2.86	13.90	V
Highest	1416	-67.60	-13	-54.60	-74.57	1.58	10.70	H
	2120	-62.54	-13	-49.54	-70.79	2.102	12.50	H
	2824	-60.39	-13	-47.39	-69.28	2.856	13.90	H
	1416	-67.41	-13	-54.41	-74.38	1.58	10.70	V
	2120	-61.33	-13	-48.33	-69.58	2.10	12.50	V
	2824	-59.61	-13	-46.61	-68.50	2.86	13.90	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	-58.78	-25	-33.78	-68.99	3.03	13.24	H
	7752	-45.56	-25	-20.56	-55.01	3.56	13.01	H
	10342	-60.52	-25	-35.52	-70.04	3.92	13.44	H
	5162	-57.28	-25	-32.28	-67.49	3.03	13.24	V
	7752	-41.50	-25	-16.50	-50.95	3.56	13.01	V
	10342	-59.12	-25	-34.12	-68.64	3.92	13.44	V

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