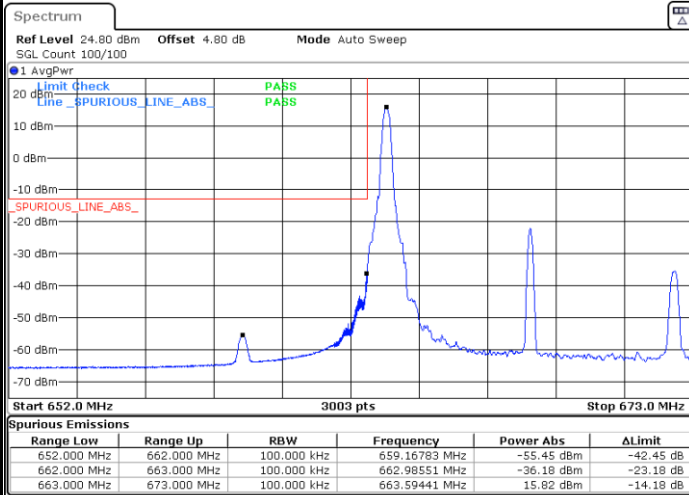


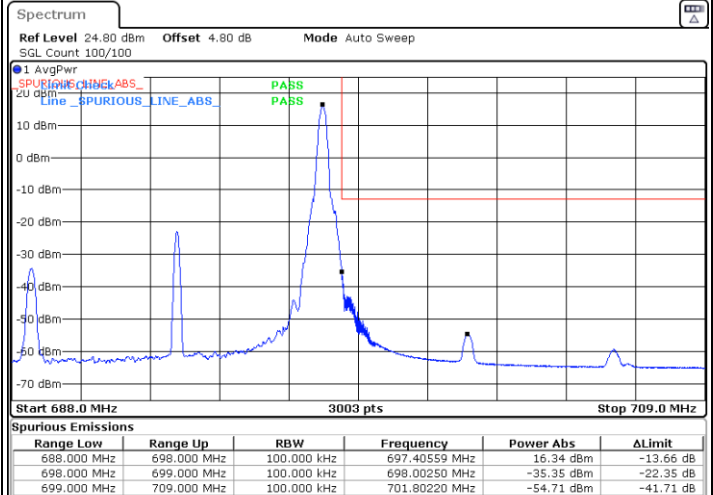


LTE Band 71 / 10MHz / 256QAM

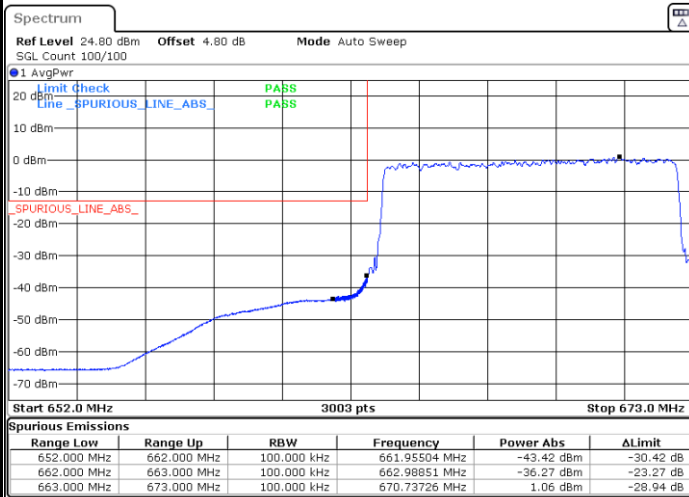
Lowest Band Edge / 1 RB



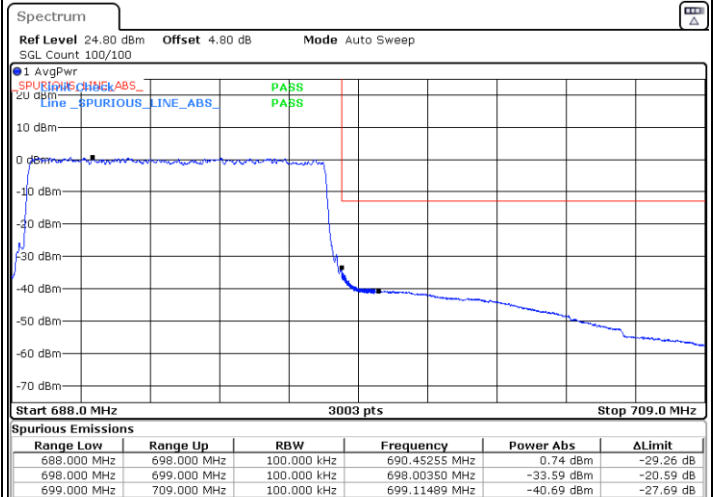
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



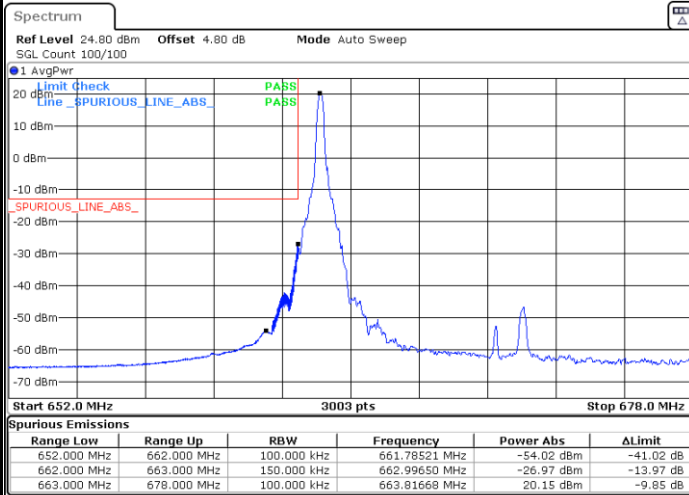
Highest Band Edge / Full RB



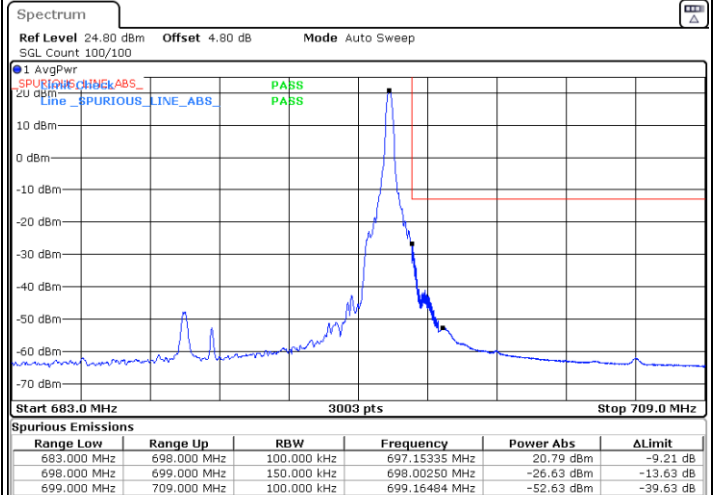


LTE Band 71 / 15MHz / QPSK

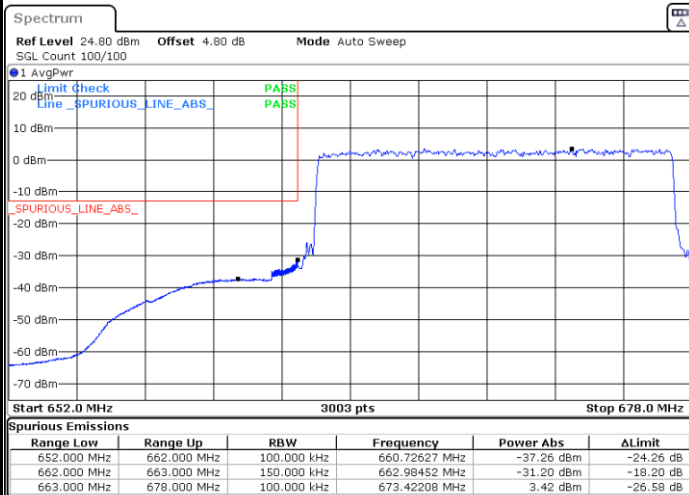
Lowest Band Edge / 1 RB



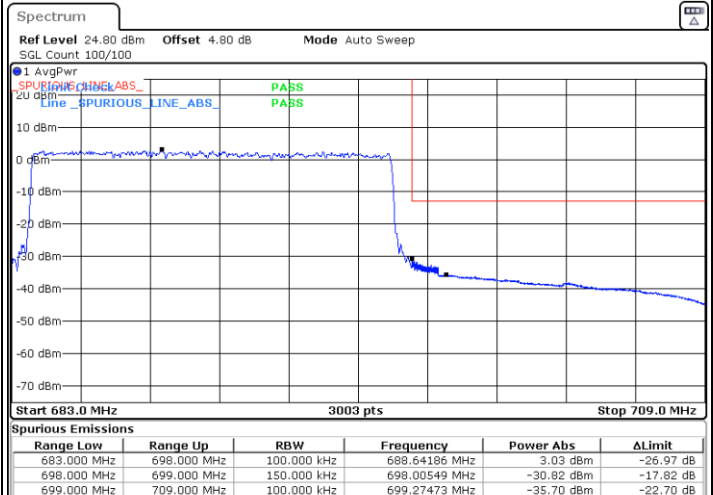
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



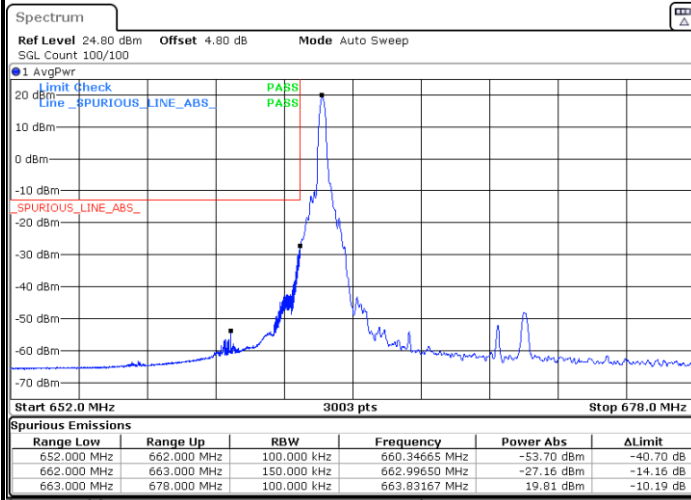
Highest Band Edge / Full RB



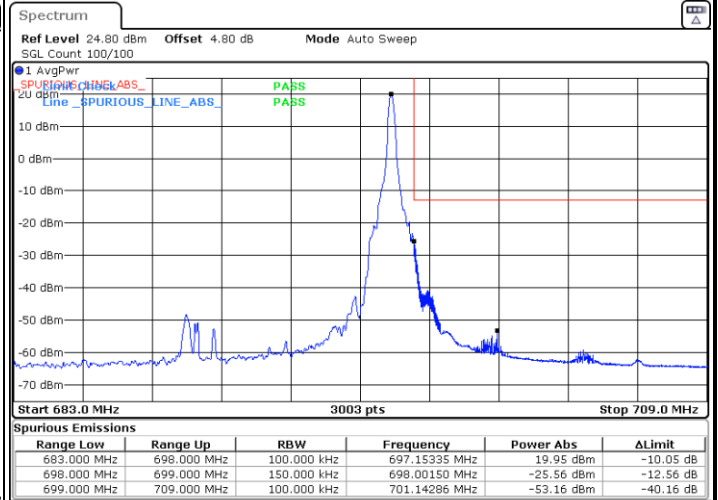


LTE Band 71 / 15MHz / 16QAM

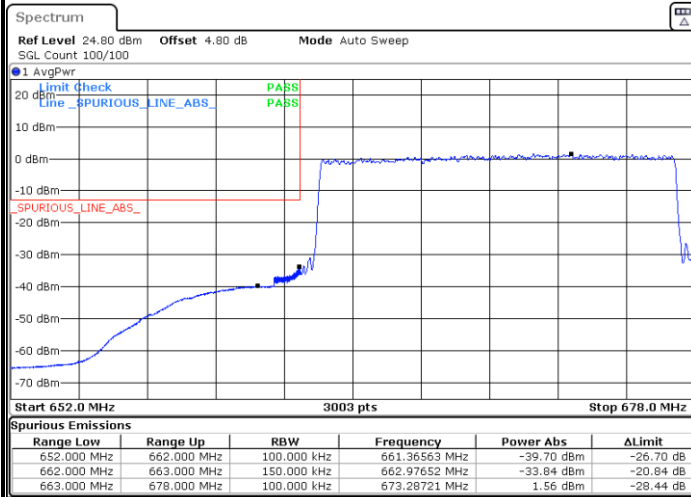
Lowest Band Edge / 1 RB



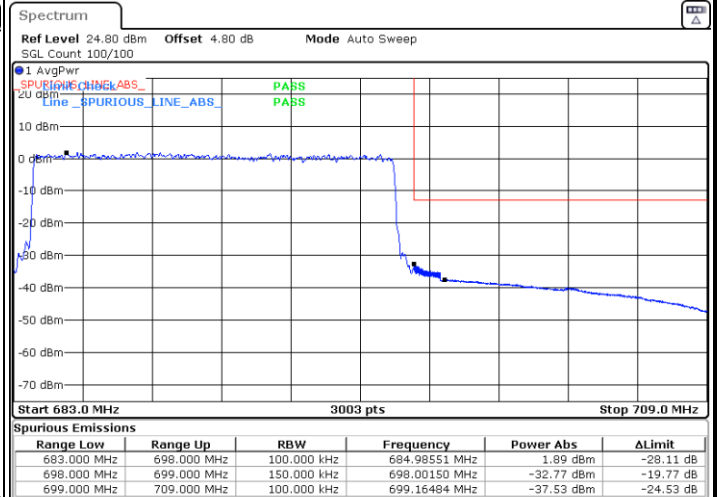
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



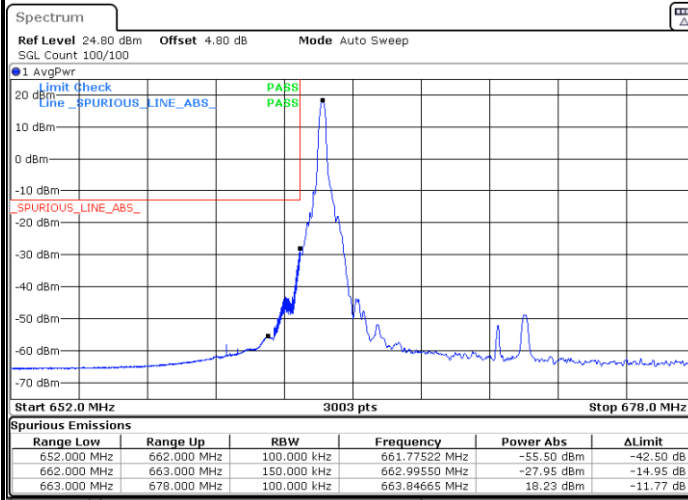
Highest Band Edge / Full RB





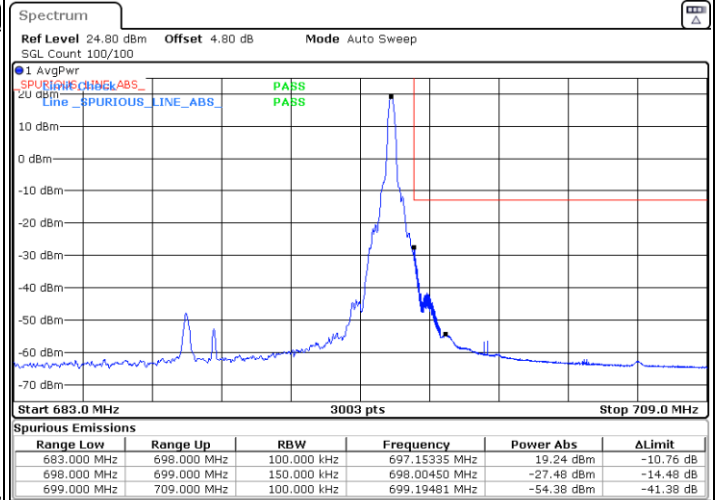
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



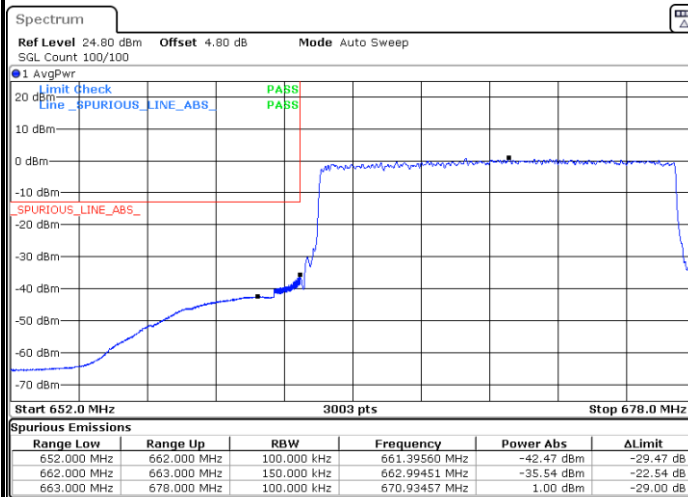
Date: 24.NOV.2024 23:51:20

Highest Band Edge / 1 RB



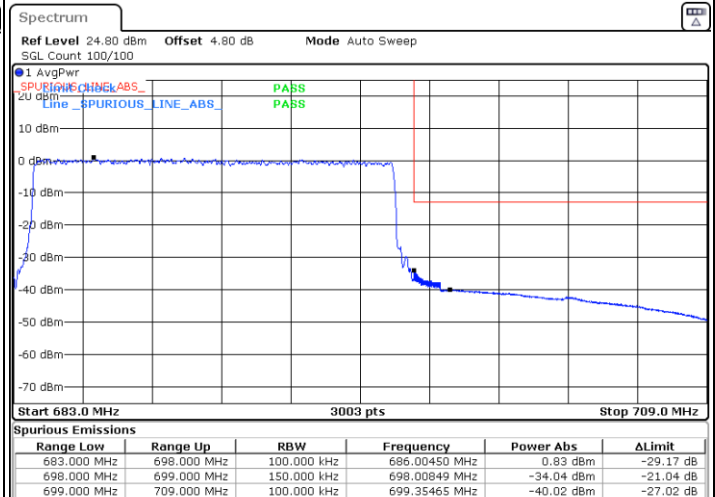
Date: 25.NOV.2024 00:02:56

Lowest Band Edge / Full RB



Date: 24.NOV.2024 23:45:11

Highest Band Edge / Full RB

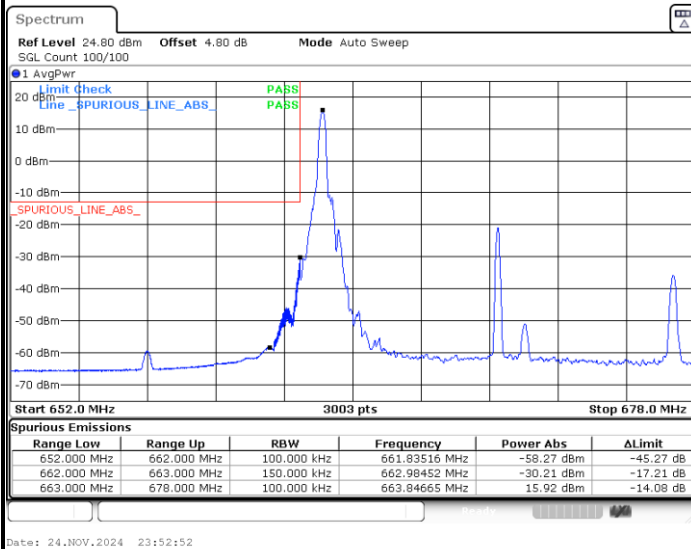


Date: 25.NOV.2024 00:09:08

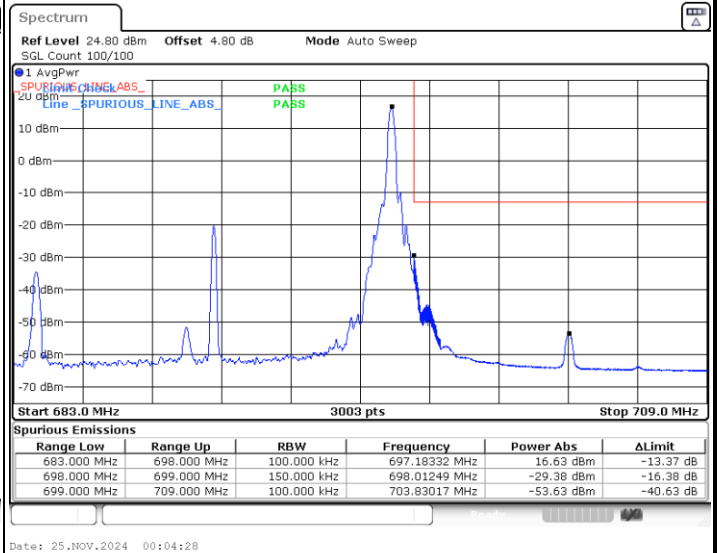


LTE Band 71 / 15MHz / 256QAM

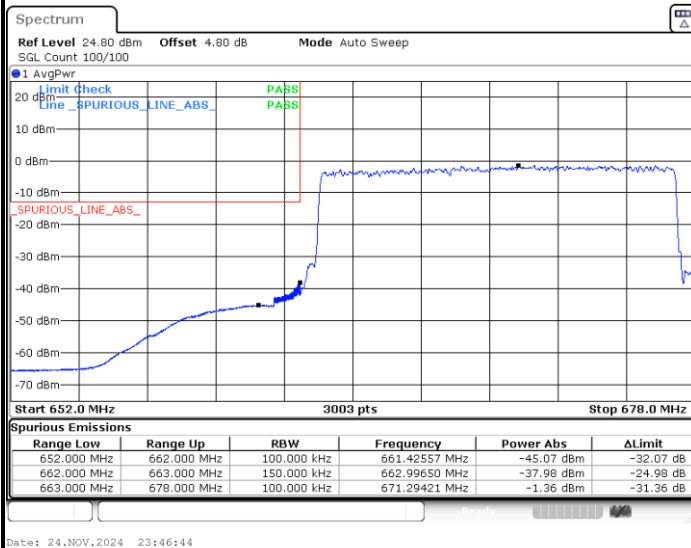
Lowest Band Edge / 1 RB



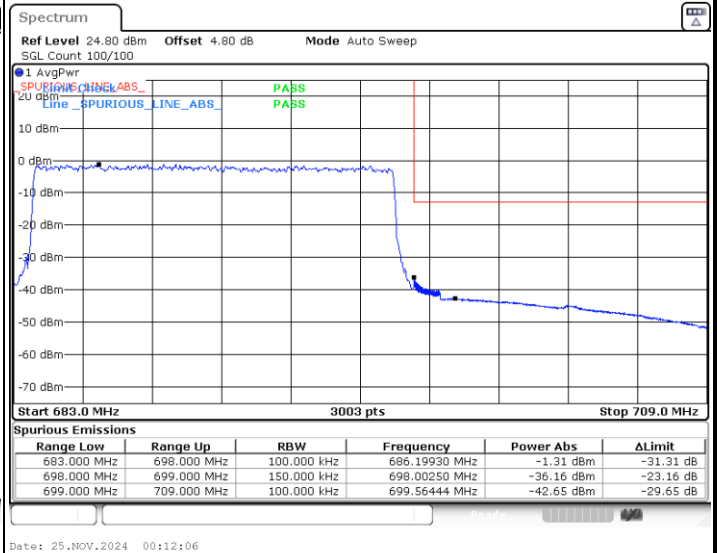
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



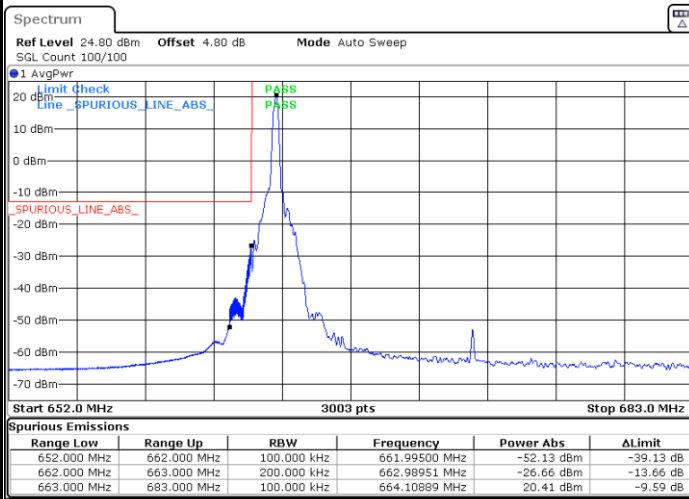
Highest Band Edge / Full RB



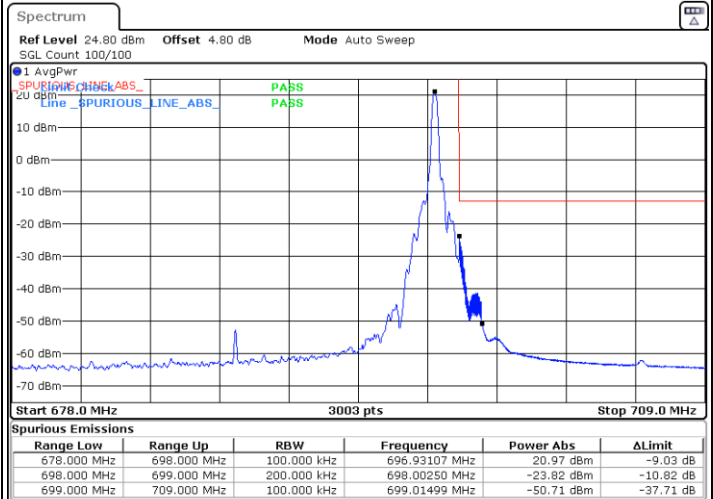


LTE Band 71 / 20MHz / QPSK

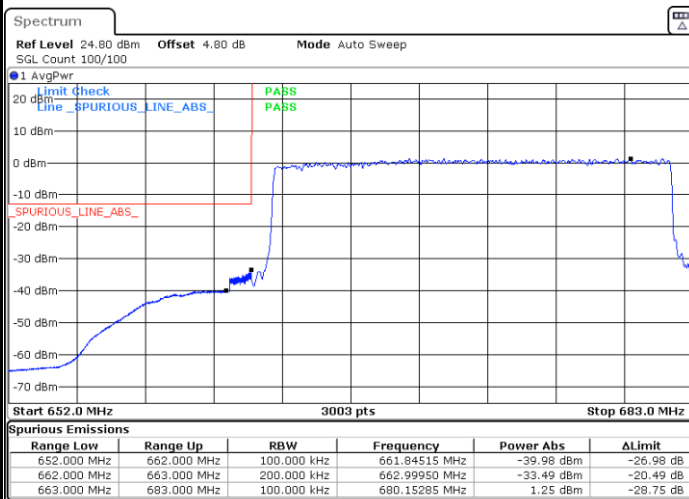
Lowest Band Edge / 1 RB



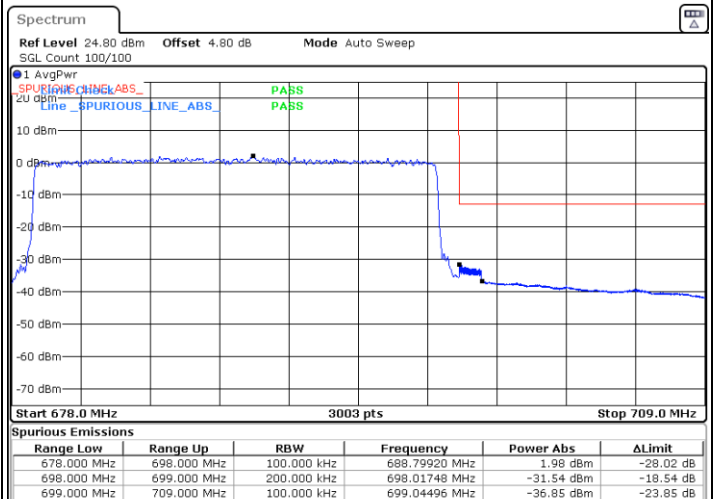
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



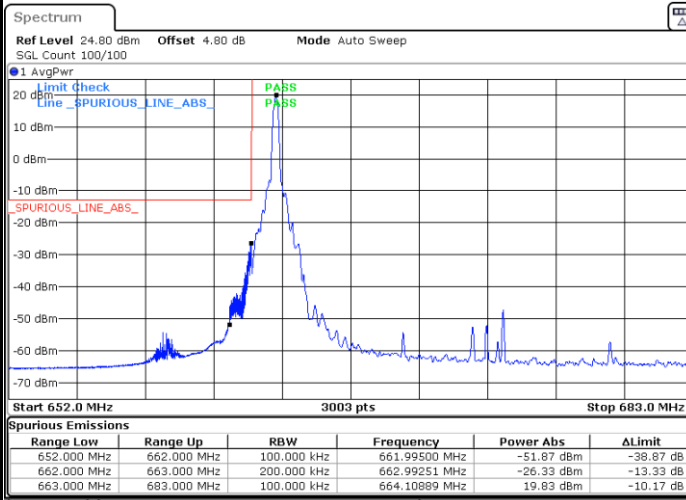
Highest Band Edge / Full RB



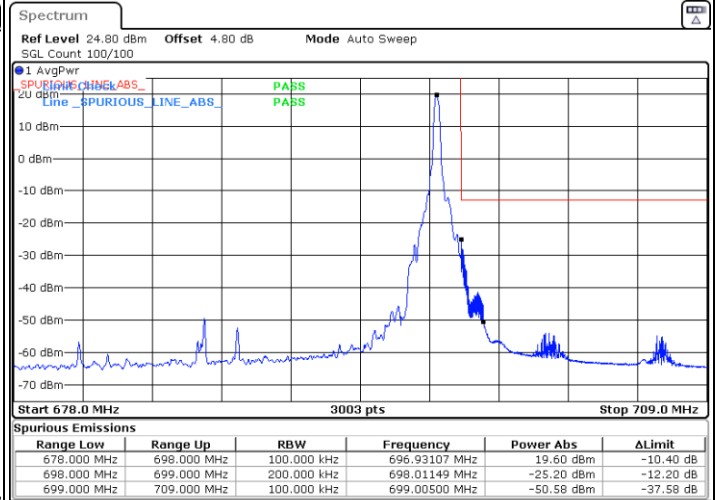


LTE Band 71 / 20MHz / 16QAM

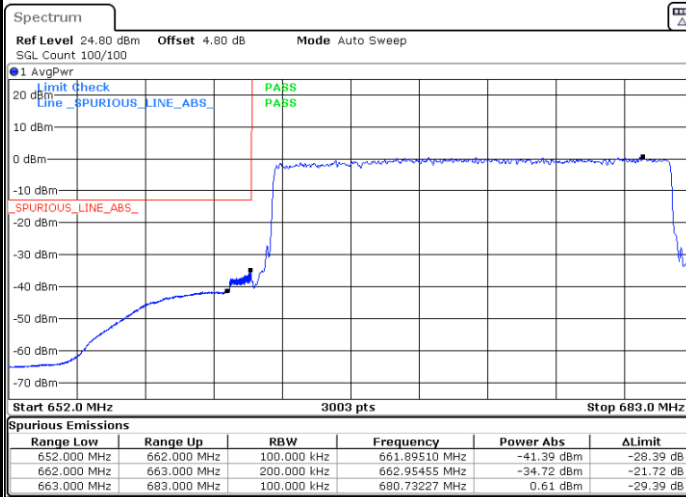
Lowest Band Edge / 1 RB



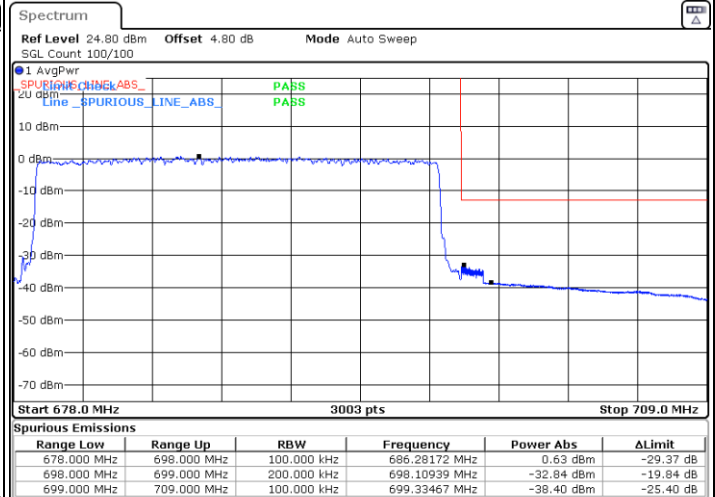
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



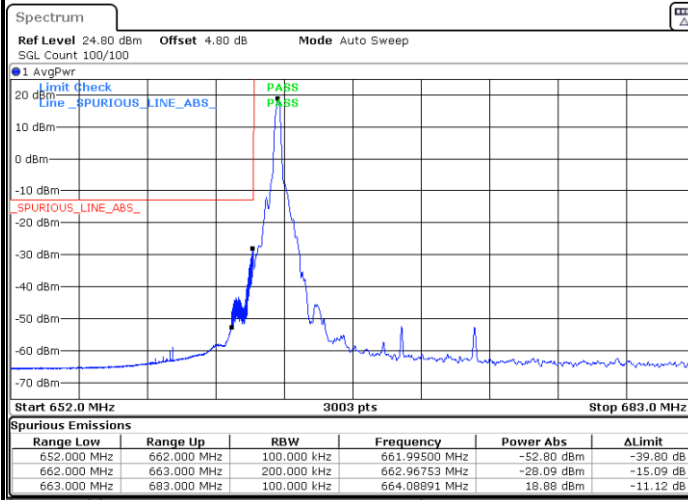
Highest Band Edge / Full RB



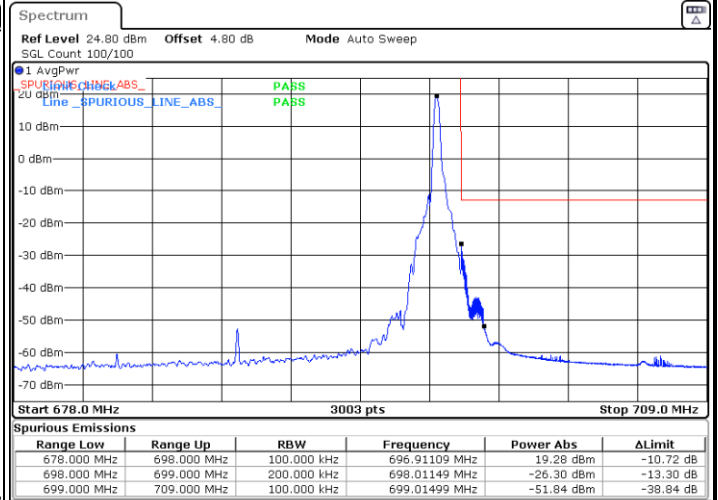


LTE Band 71 / 20MHz / 64QAM

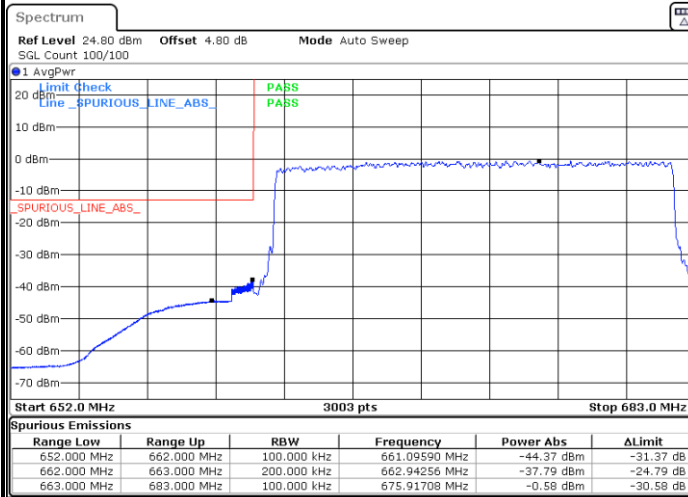
Lowest Band Edge / 1 RB



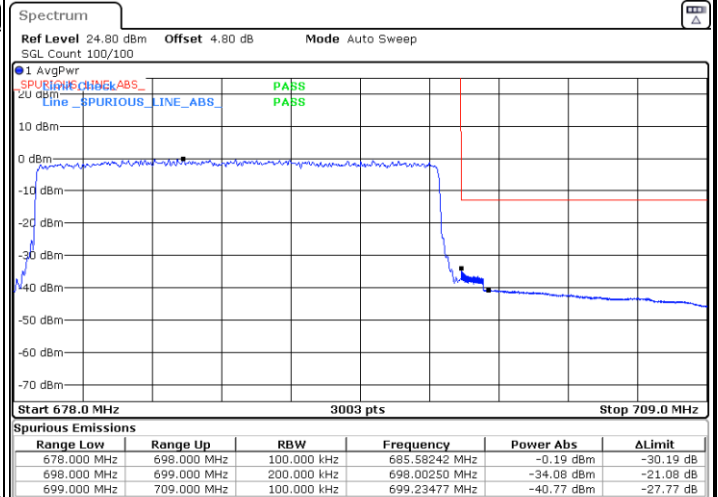
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



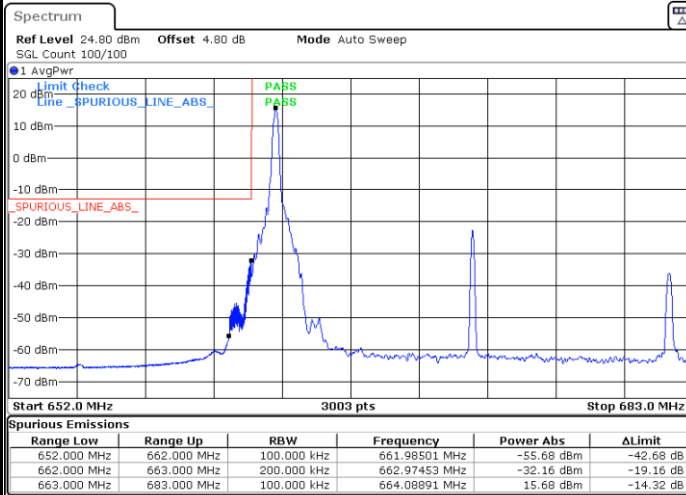
Highest Band Edge / Full RB



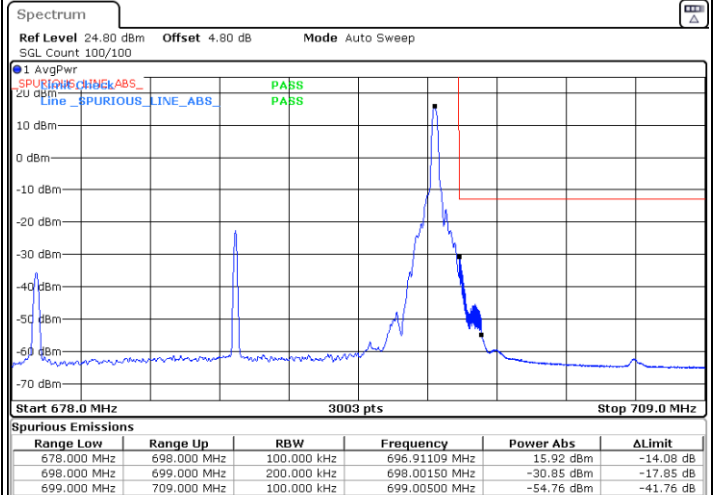


LTE Band 71 / 20MHz / 256QAM

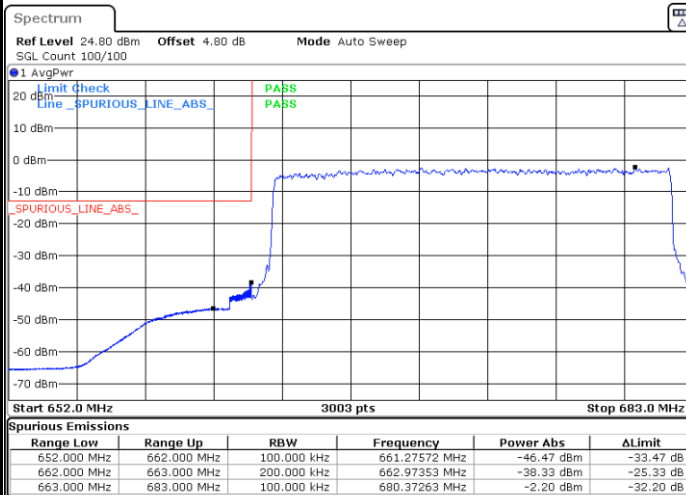
Lowest Band Edge / 1 RB



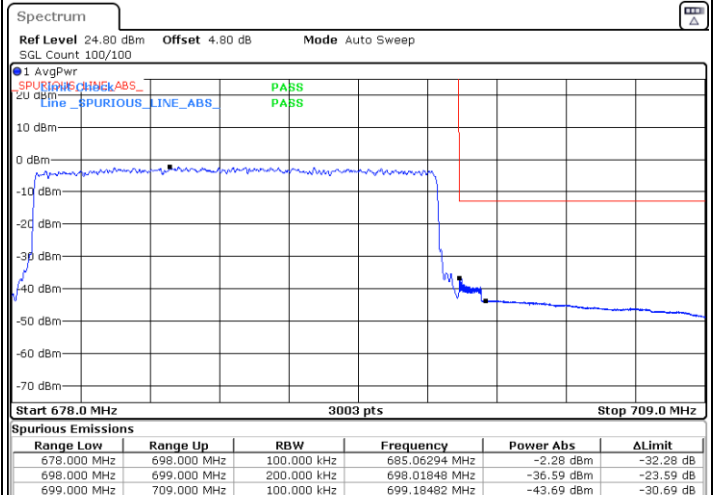
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

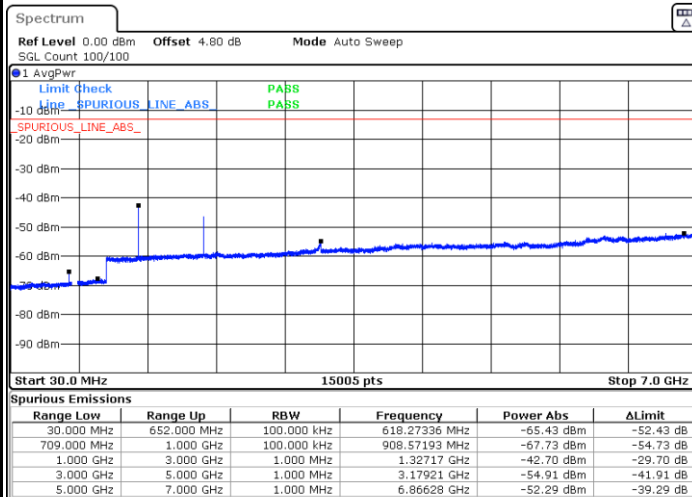




Conducted Spurious Emission

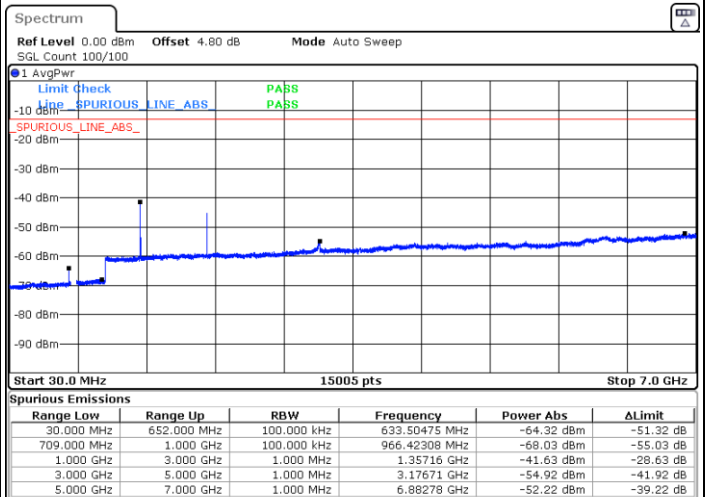
LTE Band 71 / 5MHz

Lowest Channel / QPSK



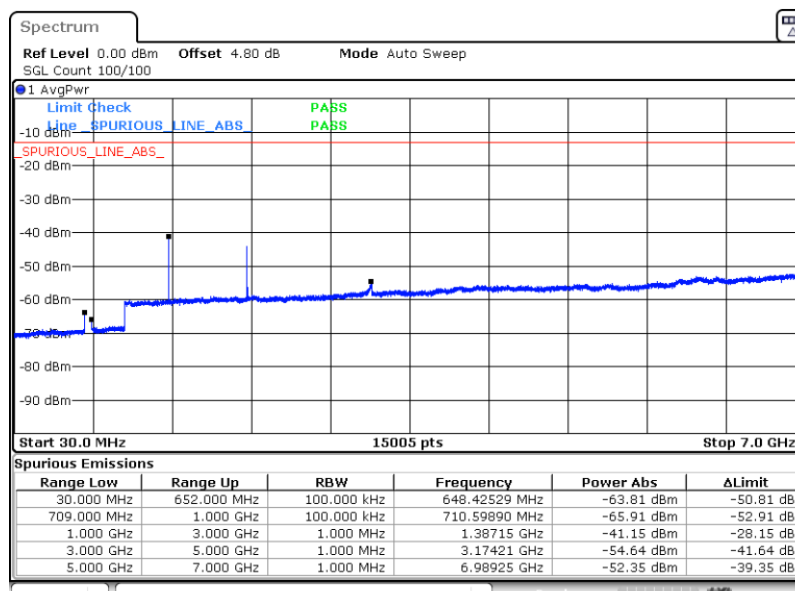
Date: 24.NOV.2024 22:15:51

Middle Channel / QPSK



Date: 24.NOV.2024 22:34:15

Highest Channel / QPSK



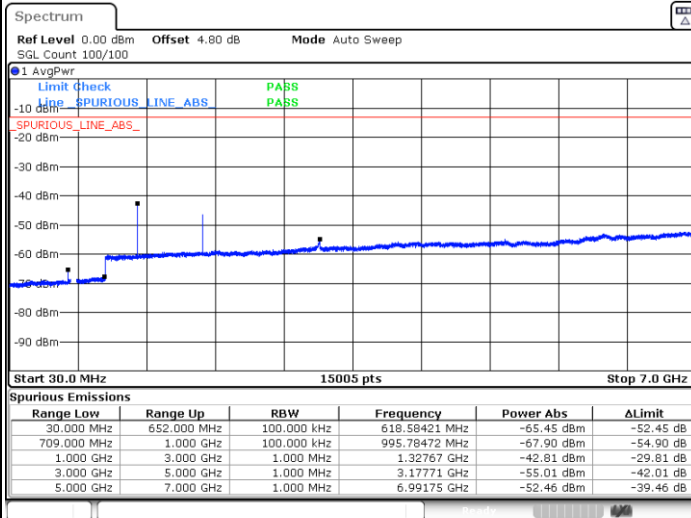
Date: 24.NOV.2024 22:36:59



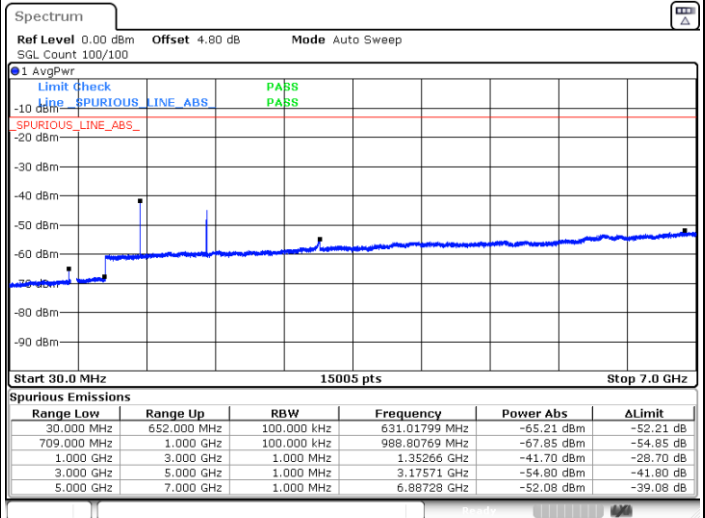
LTE Band 71 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

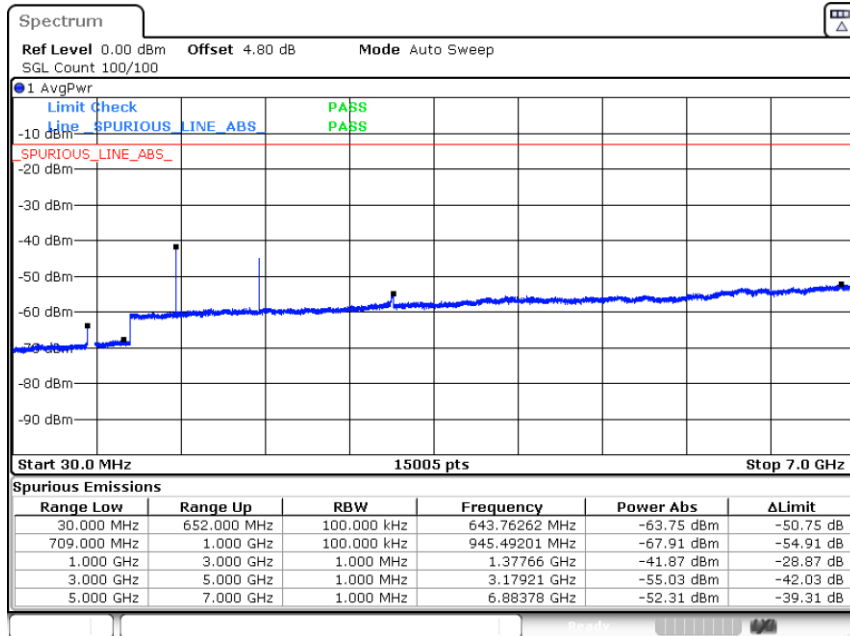


Date: 24.NOV.2024 23:03:18



Date: 24.NOV.2024 23:04:37

Highest Channel / QPSK

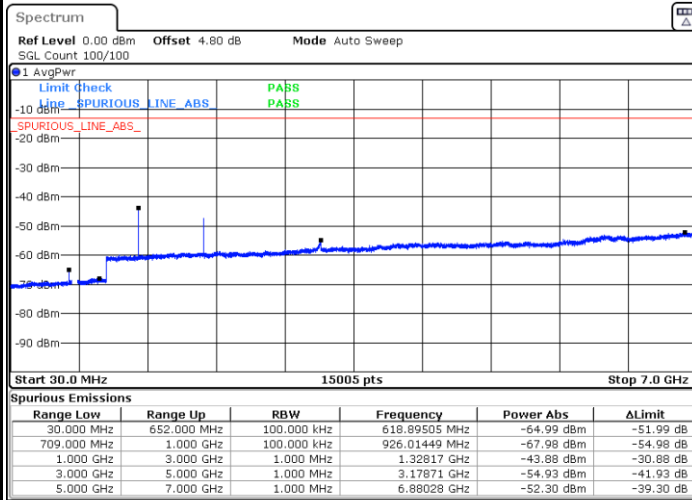


Date: 24.NOV.2024 23:07:21



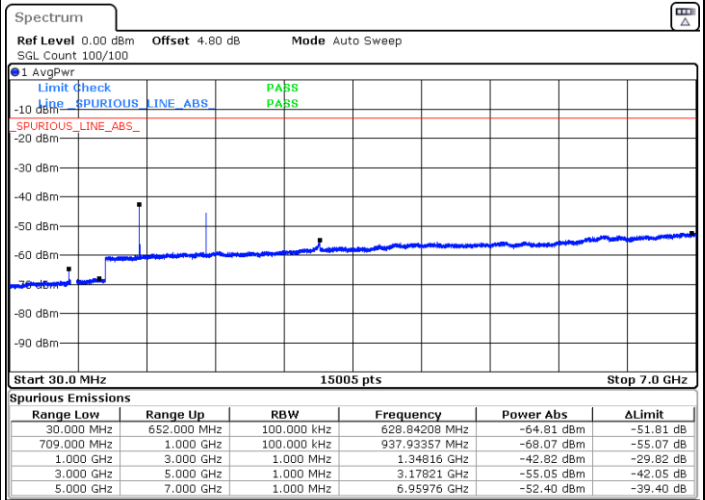
LTE Band 71 / 15MHz

Lowest Channel / QPSK



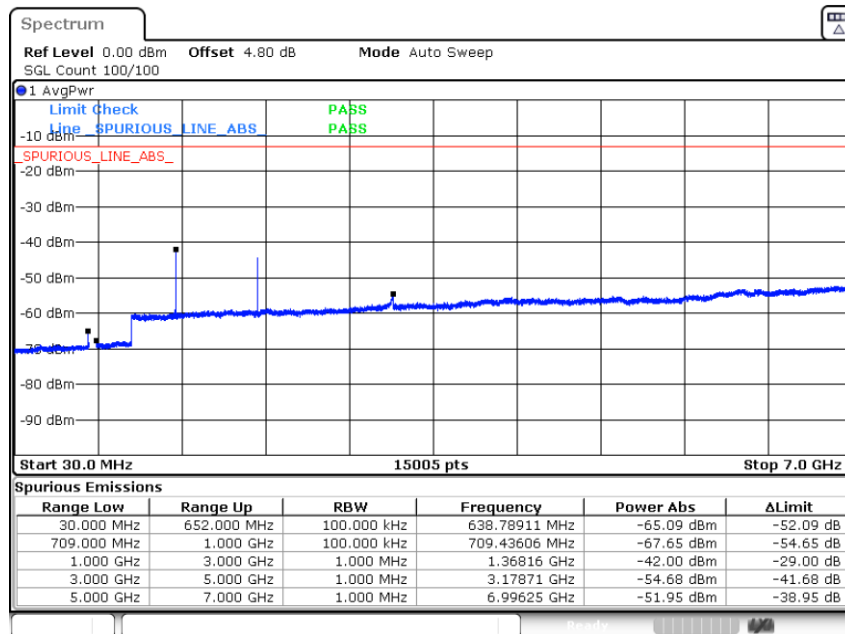
Date: 24.NOV.2024 23:54:15

Middle Channel / QPSK



Date: 24.NOV.2024 23:55:34

Highest Channel / QPSK



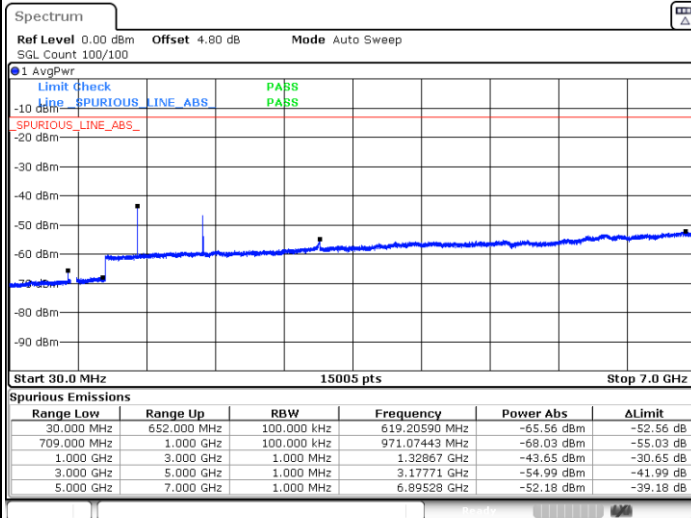
Date: 24.NOV.2024 23:58:18



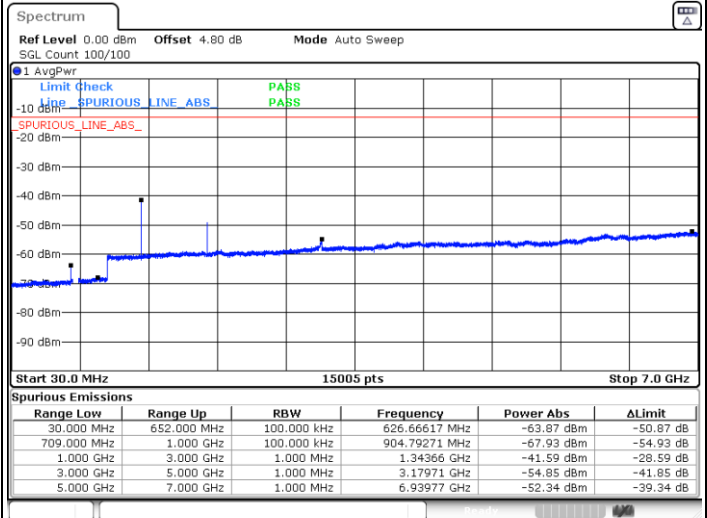
LTE Band 71 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

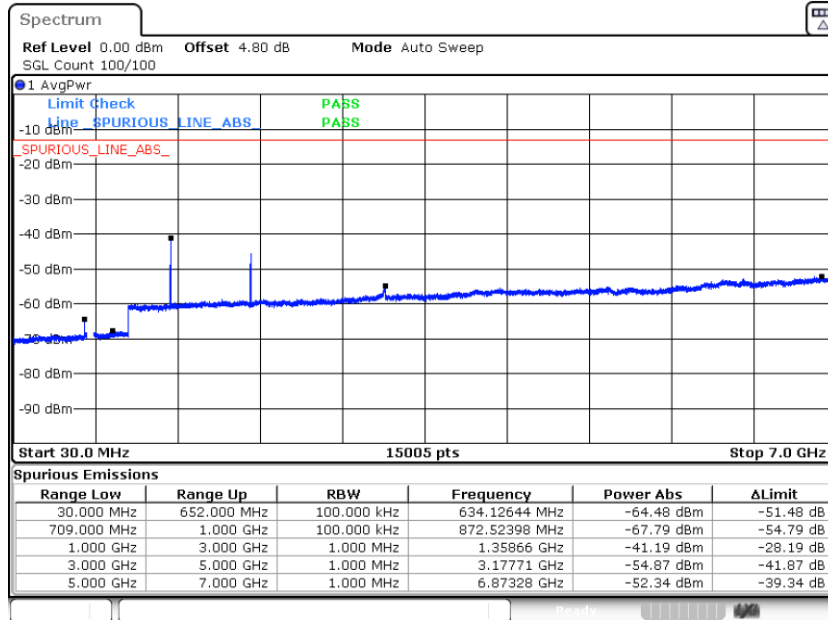


Date: 25.NOV.2024 00:27:17



Date: 25.NOV.2024 00:28:37

Highest Channel / QPSK



Date: 25.NOV.2024 00:31:20

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	0.0022	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0034	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =4.0V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 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 :	Jake	Temperature :	23~25°C
		Relative Humidity :	51~53%

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)
Lowest	5008	-60.66	-25	-35.66	-70.87	3.03	13.24	H
	7500	-60.14	-25	-35.14	-69.59	3.56	13.01	H
	10006	-59.81	-25	-34.81	-69.33	3.92	13.44	H
	5008	-60.39	-25	-35.39	-70.60	3.03	13.24	V
	7500	-60.07	-25	-35.07	-69.52	3.56	13.01	V
	10006	-60.44	-25	-35.44	-69.96	3.92	13.44	V
Middle	5050	-60.76	-25	-35.76	-70.97	3.03	13.24	H
	7584	-60.45	-25	-35.45	-69.90	3.56	13.01	H
	10104	-60.52	-25	-35.52	-70.04	3.92	13.44	H
	5050	-60.62	-25	-35.62	-70.83	3.03	13.24	V
	7584	-60.29	-25	-35.29	-69.74	3.56	13.01	V
	10104	-60.60	-25	-35.60	-70.12	3.92	13.44	V
Highest	5106	-60.98	-25	-35.98	-71.19	3.03	13.24	H
	7654	-59.47	-25	-34.47	-68.92	3.56	13.01	H
	10202	-59.57	-25	-34.57	-69.09	3.92	13.44	H
	5106	-60.97	-25	-35.97	-71.18	3.03	13.24	V
	7654	-59.21	-25	-34.21	-68.66	3.56	13.01	V
	10202	-59.92	-25	-34.92	-69.44	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)
Lowest	1400	-67.35	-13	-54.35	-74.32	1.58	10.70	H
	2096	-61.18	-13	-48.18	-69.43	2.102	12.50	H
	2800	-58.81	-13	-45.81	-67.70	2.856	13.90	H
	1400	-67.81	-13	-54.81	-74.78	1.58	10.70	V
	2096	-61.74	-13	-48.74	-69.99	2.10	12.50	V
	2800	-59.33	-13	-46.33	-68.22	2.86	13.90	V
Middle	1408	-68.46	-13	-55.46	-75.43	1.58	10.70	H
	2112	-62.26	-13	-49.26	-70.51	2.102	12.50	H
	2816	-59.42	-13	-46.42	-68.31	2.856	13.90	H
	1408	-68.00	-13	-55.00	-74.97	1.58	10.70	V
	2112	-60.92	-13	-47.92	-69.17	2.10	12.50	V
	2816	-58.53	-13	-45.53	-67.42	2.86	13.90	V
Highest	1416	-67.66	-13	-54.66	-74.63	1.58	10.70	H
	2120	-62.09	-13	-49.09	-70.34	2.102	12.50	H
	2824	-59.17	-13	-46.17	-68.06	2.856	13.90	H
	1416	-67.09	-13	-54.09	-74.06	1.58	10.70	V
	2120	-60.99	-13	-47.99	-69.24	2.10	12.50	V
	2824	-58.96	-13	-45.96	-67.85	2.86	13.90	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)
Lowest	1592	-66.16	-42.15	-24.01	-68.79	1.09	5.87	H
	2392	-62.08	-13	-49.08	-64.48	1.37	5.92	H
	3192	-60.28	-13	-47.28	-64.17	1.64	7.68	H
	1592	-65.74	-42.15	-23.59	-68.37	1.09	5.87	V
	2392	-60.49	-13	-47.49	-62.89	1.37	5.92	V
	3192	-60.18	-13	-47.18	-64.07	1.64	7.68	V
Middle	1560	-66.70	-42.15	-24.55	-69.33	1.09	5.87	H
	2336	-61.58	-13	-48.58	-63.98	1.37	5.92	H
	3120	-60.22	-13	-47.22	-64.11	1.64	7.68	H
	1560	-66.22	-42.15	-24.07	-68.85	1.09	5.87	V
	2336	-60.30	-13	-47.30	-62.70	1.37	5.92	V
	3120	-60.14	-13	-47.14	-64.03	1.64	7.68	V
Highest	1568	-66.25	-42.15	-24.10	-68.88	1.09	5.87	H
	2344	-60.53	-13	-47.53	-62.93	1.37	5.92	H
	3128	-60.53	-13	-47.53	-64.42	1.64	7.68	H
	1568	-66.91	-42.15	-24.76	-69.54	1.09	5.87	V
	2344	-62.02	-13	-49.02	-64.42	1.37	5.92	V
	3128	-60.80	-13	-47.80	-64.69	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)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1552	-66.89	-13	-53.89	-69.52	1.09	5.87	H
	2328	-61.47	-13	-48.47	-63.87	1.37	5.92	H
	3112	-60.24	-13	-47.24	-64.13	1.64	7.68	H
	1552	-66.27	-13	-53.27	-68.90	1.09	5.87	V
	2328	-60.52	-13	-47.52	-62.92	1.37	5.92	V
	3112	-59.63	-13	-46.63	-63.52	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)
Lowest	4994	-60.10	-25	-35.10	-70.31	3.03	13.24	H
	7486	-60.34	-25	-35.34	-69.79	3.56	13.01	H
	9992	-60.52	-25	-35.52	-70.04	3.92	13.44	H
	4994	-60.93	-25	-35.93	-71.14	3.03	13.24	V
	7486	-60.33	-25	-35.33	-69.78	3.56	13.01	V
	9992	-60.85	-25	-35.85	-70.37	3.92	13.44	V
Middle	5162	-61.05	-25	-36.05	-71.26	3.03	13.24	H
	7752	-59.08	-25	-34.08	-68.53	3.56	13.01	H
	10342	-59.52	-25	-34.52	-69.04	3.92	13.44	H
	5162	-61.66	-25	-36.66	-71.87	3.03	13.24	V
	7752	-59.35	-25	-34.35	-68.80	3.56	13.01	V
	10342	-60.16	-25	-35.16	-69.68	3.92	13.44	V
Highest	5344	-62.69	-25	-37.69	-72.90	3.03	13.24	H
	8018	-60.51	-25	-35.51	-69.96	3.56	13.01	H
	10678	-61.26	-25	-36.26	-70.78	3.92	13.44	H
	5344	-62.68	-25	-37.68	-72.89	3.03	13.24	V
	8018	-60.73	-25	-35.73	-70.18	3.56	13.01	V
	10678	-60.56	-25	-35.56	-70.08	3.92	13.44	V

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



LTE Band 71 / 20MHz / 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)
Lowest	1328	-68.29	-13	-55.29	-70.04	1.02	4.92	H
	1992	-62.50	-13	-49.50	-64.47	1.27	5.39	H
	2656	-60.30	-13	-47.30	-63.23	1.49	6.57	H
	1328	-67.75	-13	-54.75	-69.50	1.02	4.92	V
	1992	-62.07	-13	-49.07	-64.04	1.27	5.39	V
	2656	-60.24	-13	-47.24	-63.17	1.49	6.57	V
Middle	1344	-68.60	-13	-55.60	-70.35	1.02	4.92	H
	2016	-63.35	-13	-50.35	-65.32	1.27	5.39	H
	2688	-60.06	-13	-47.06	-62.99	1.49	6.57	H
	1344	-67.68	-13	-54.68	-69.43	1.02	4.92	V
	2016	-62.30	-13	-49.30	-64.27	1.27	5.39	V
	2688	-60.07	-13	-47.07	-63.00	1.49	6.57	V
Highest	1360	-68.53	-13	-55.53	-70.28	1.02	4.92	H
	2040	-62.49	-13	-49.49	-64.46	1.27	5.39	H
	2712	-60.71	-13	-47.71	-63.64	1.49	6.57	H
	1360	-67.86	-13	-54.86	-69.61	1.02	4.92	V
	2040	-62.01	-13	-49.01	-63.98	1.27	5.39	V
	2712	-59.87	-13	-46.87	-62.80	1.49	6.57	V

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