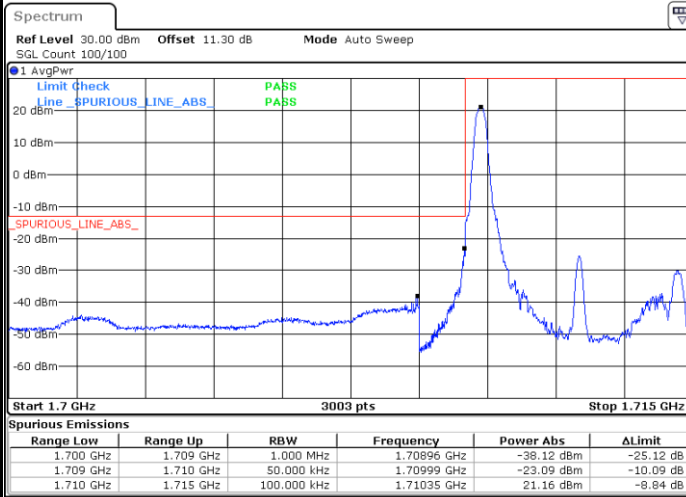


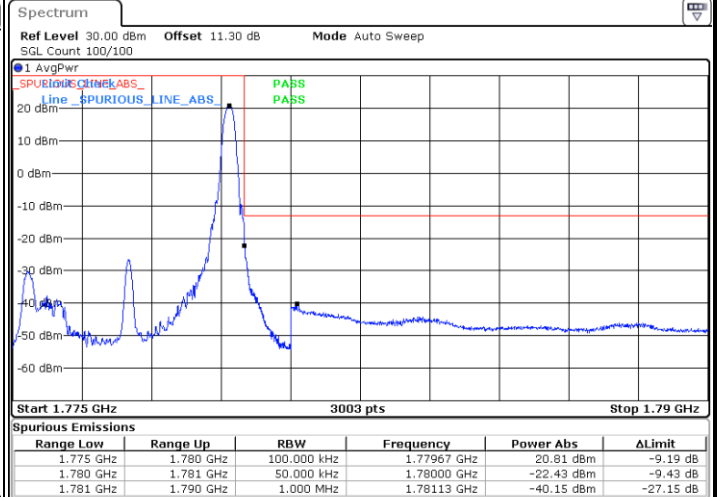


LTE Band 66 / 5MHz / QPSK

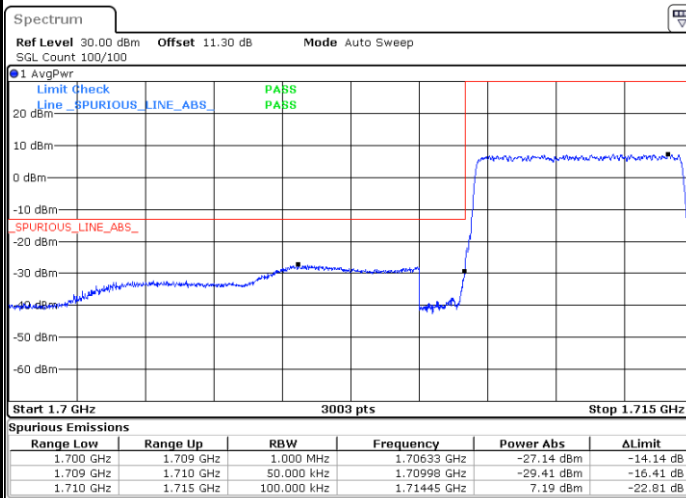
Lowest Band Edge / 1 RB



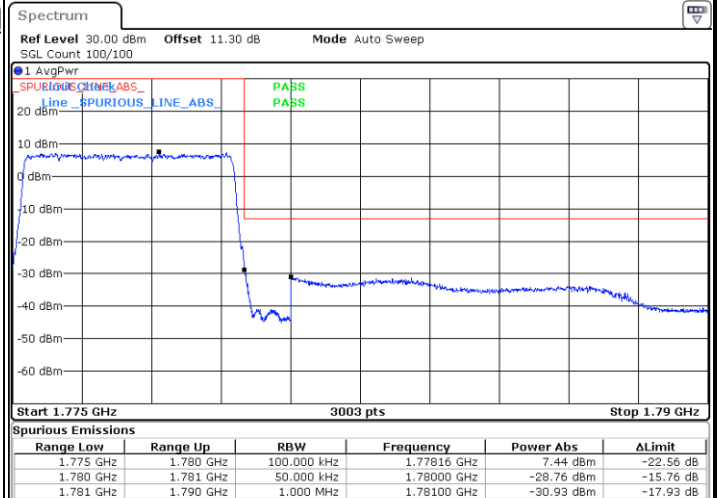
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



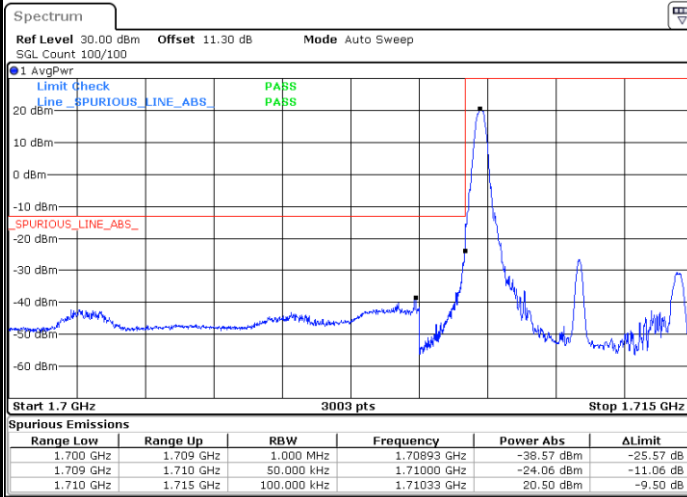
Highest Band Edge / Full RB



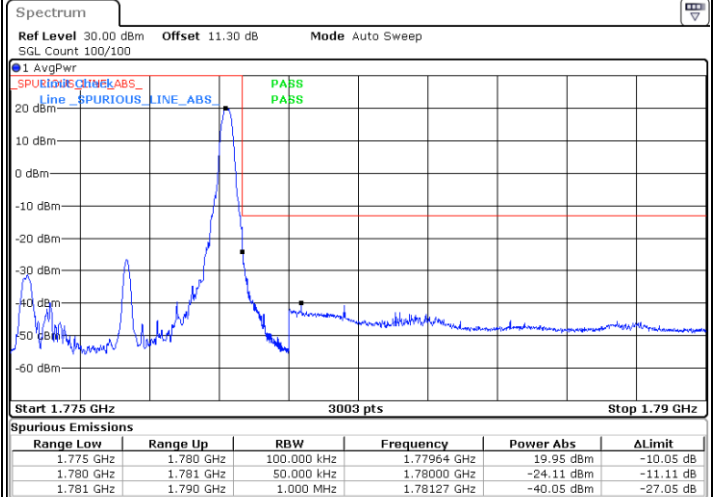


LTE Band 66 / 5MHz / 16QAM

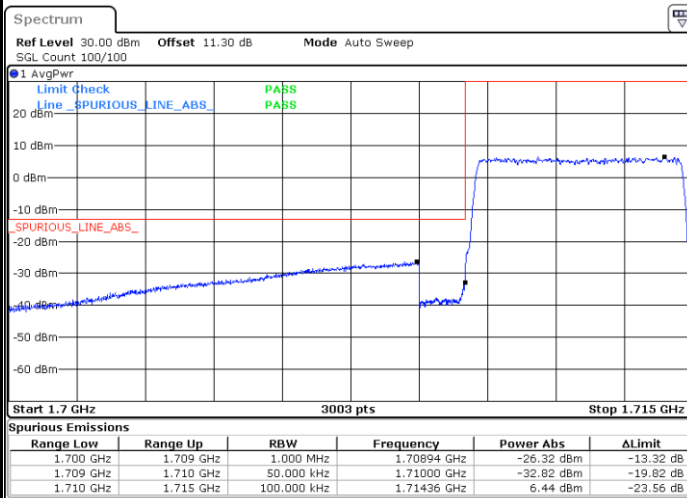
Lowest Band Edge / 1RB



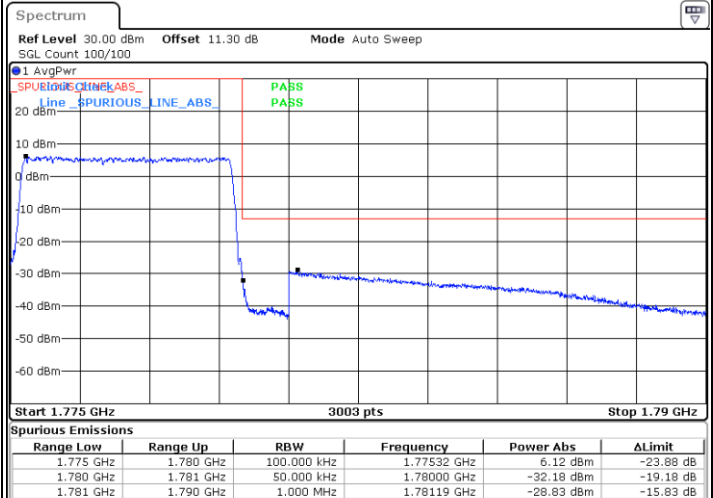
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



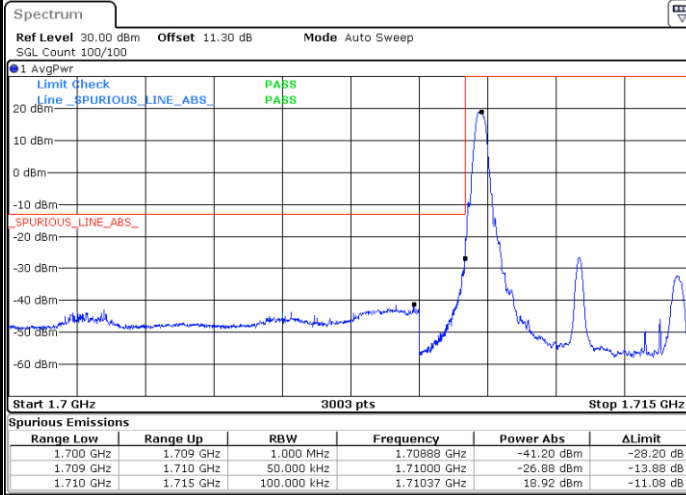
Highest Band Edge / Full RB



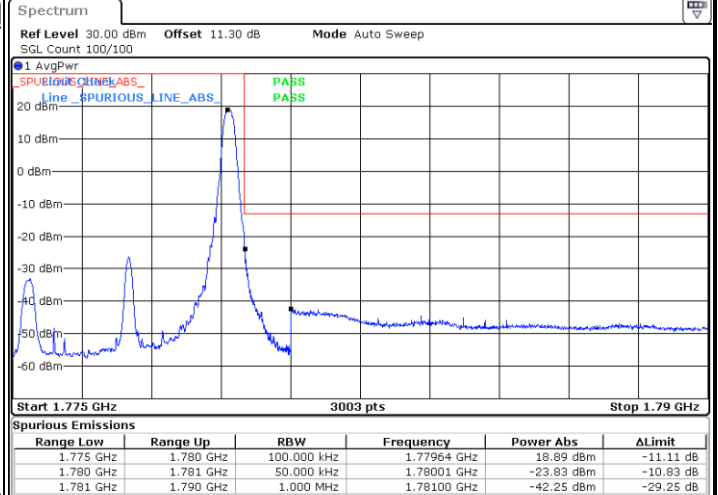


LTE Band 66 / 5MHz / 64QAM

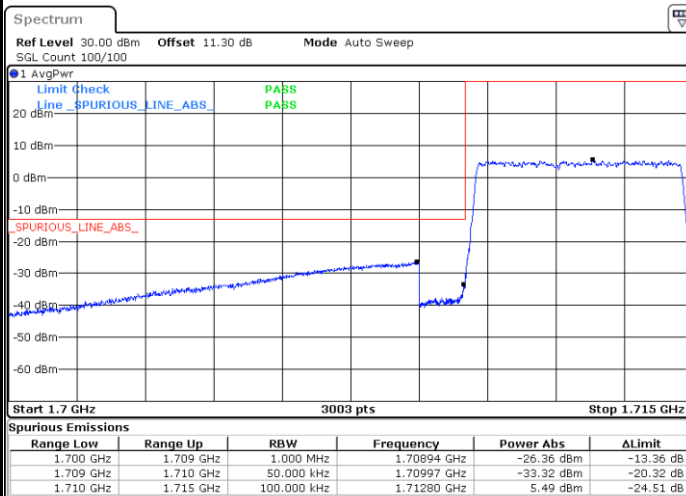
Lowest Band Edge / 1RB



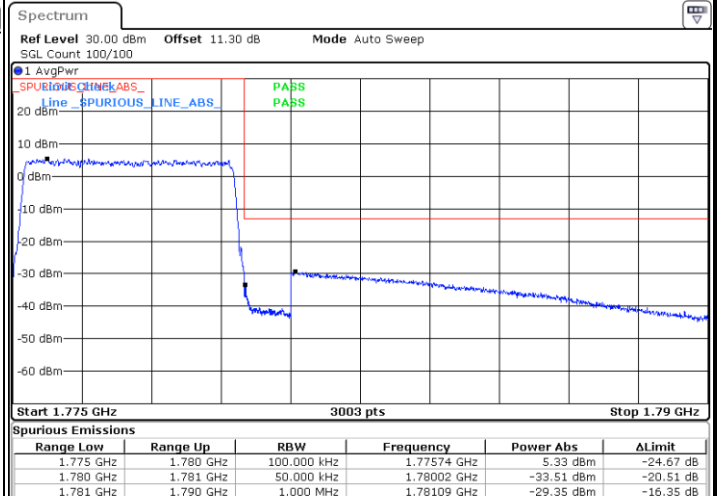
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



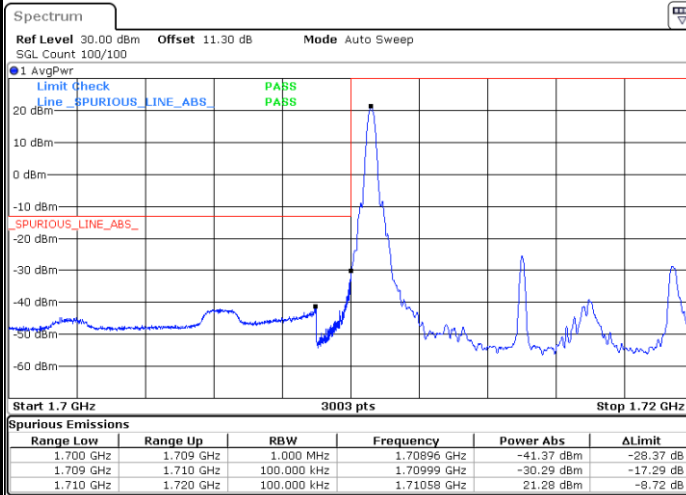
Highest Band Edge / Full RB



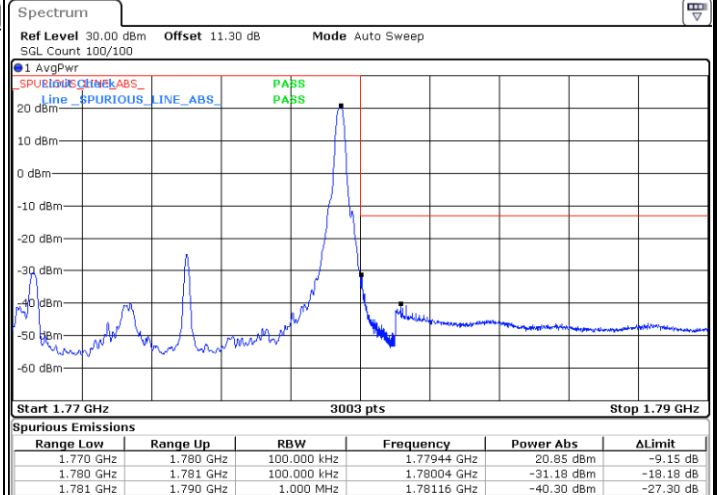


LTE Band 66 / 10MHz / QPSK

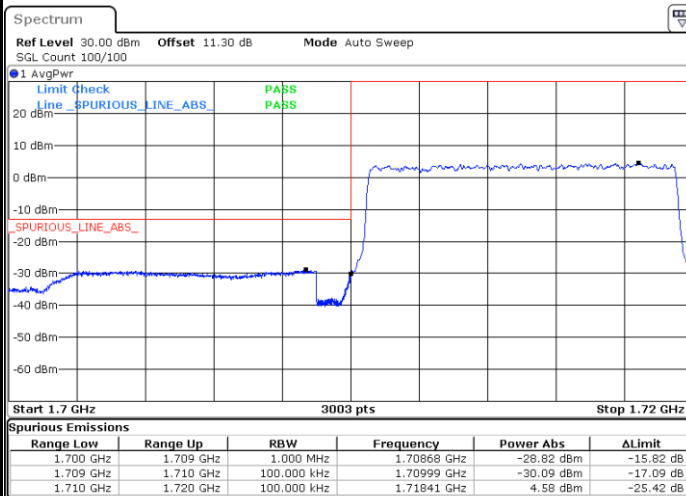
Lowest Band Edge / 1 RB



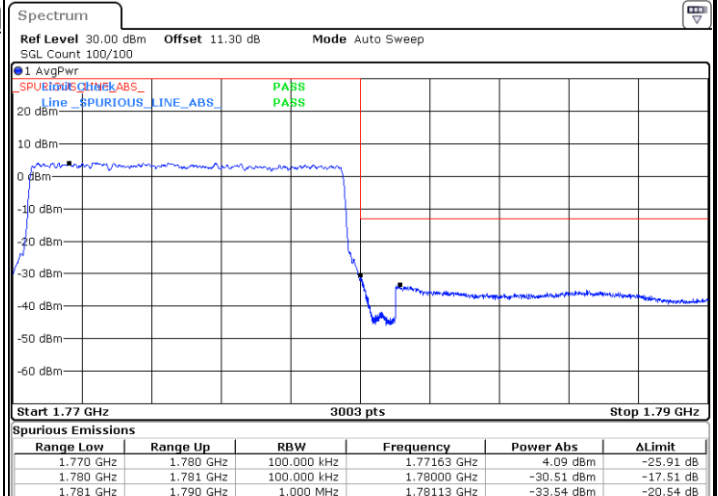
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



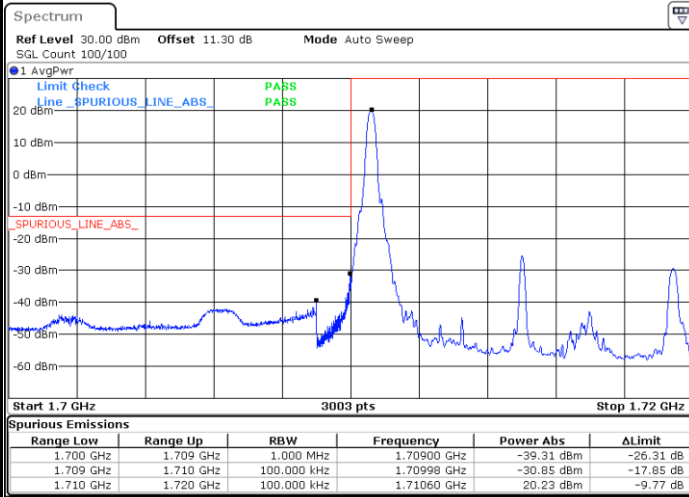
Highest Band Edge / Full RB



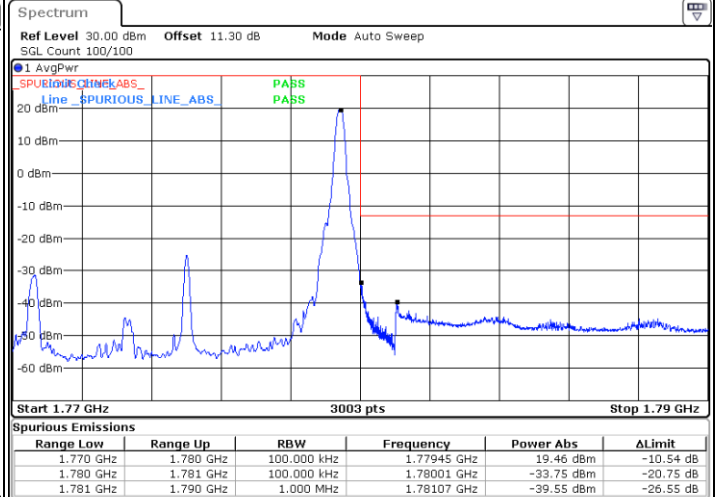


LTE Band 66 / 10MHz / 16QAM

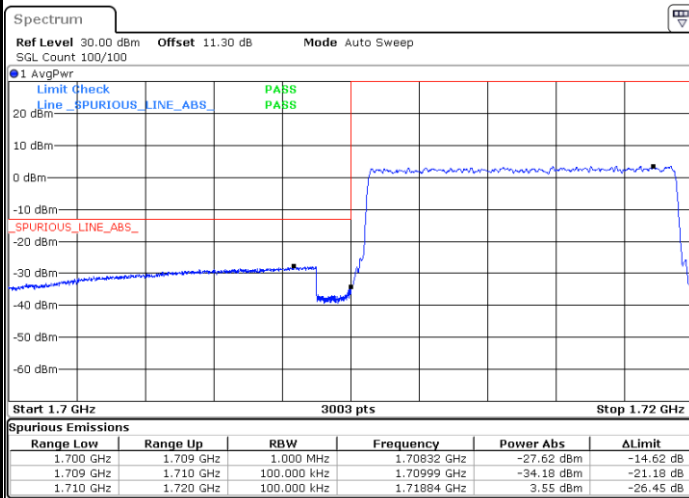
Lowest Band Edge / 1 RB



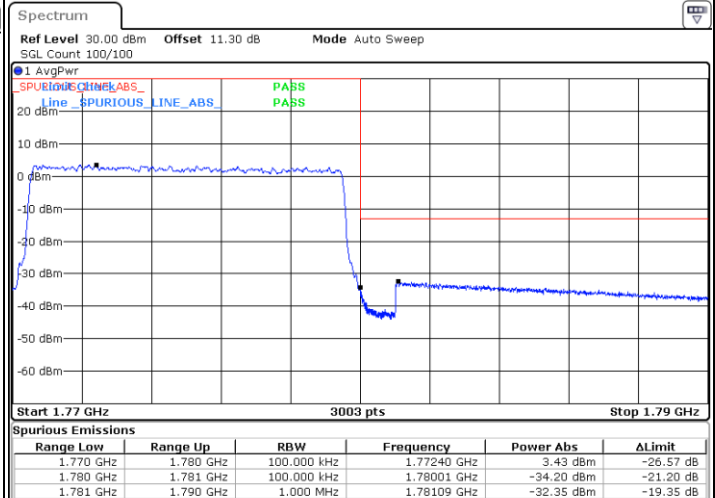
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



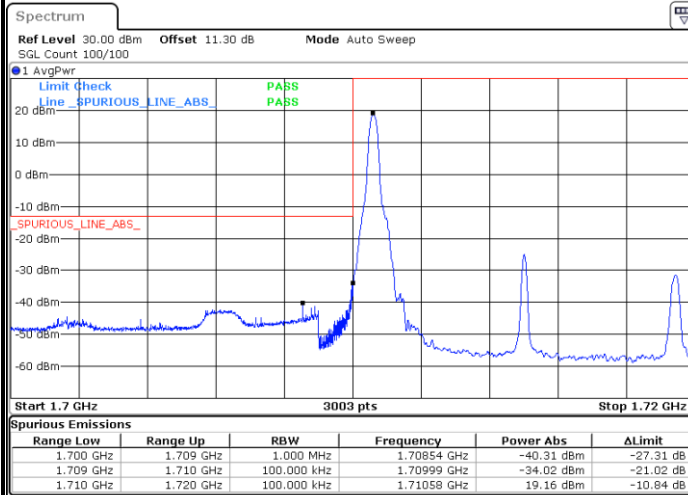
Highest Band Edge / Full RB



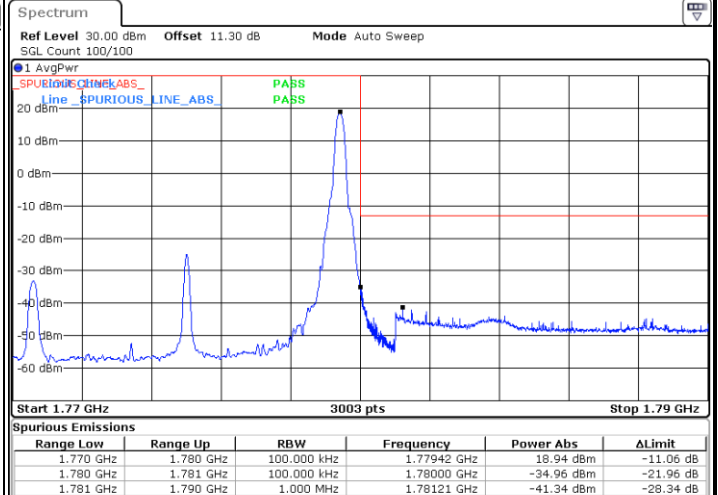


LTE Band 66 / 10MHz / 64QAM

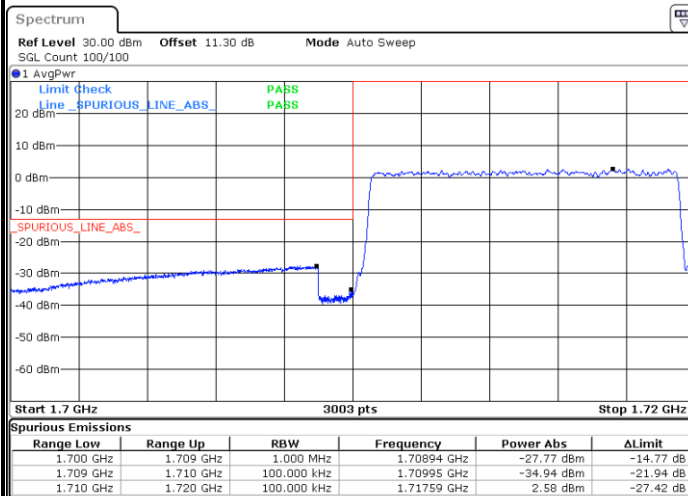
Lowest Band Edge / 1 RB



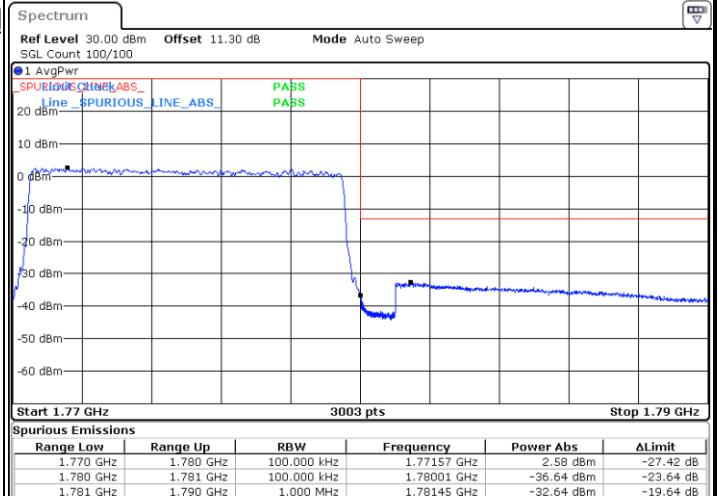
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



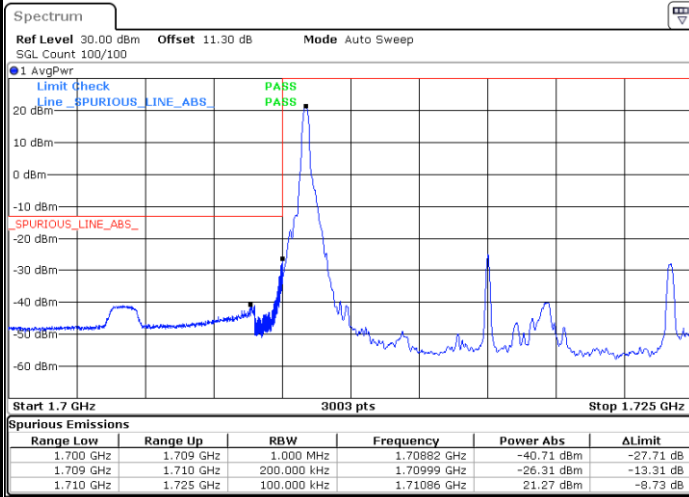
Highest Band Edge / Full RB



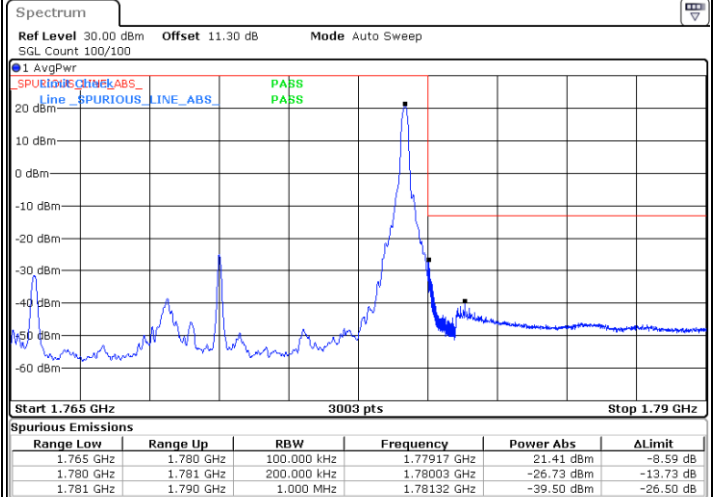


LTE Band 66 / 15MHz / QPSK

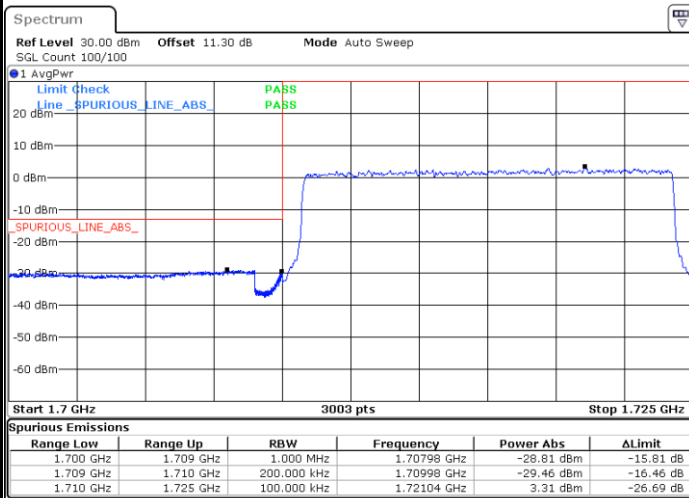
Lowest Band Edge / 1 RB



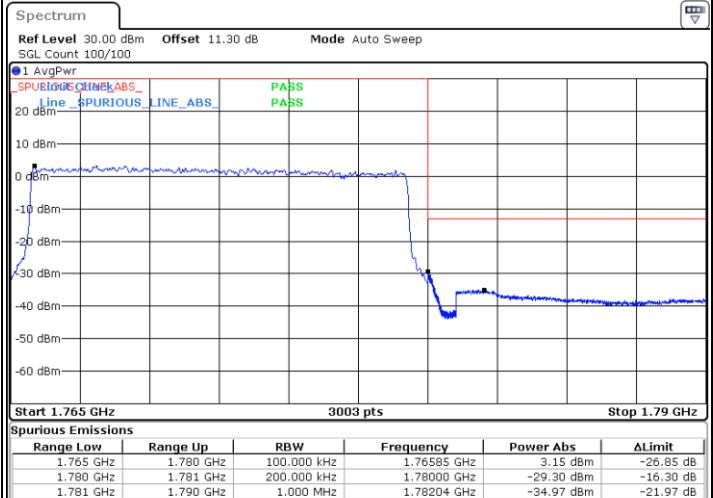
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



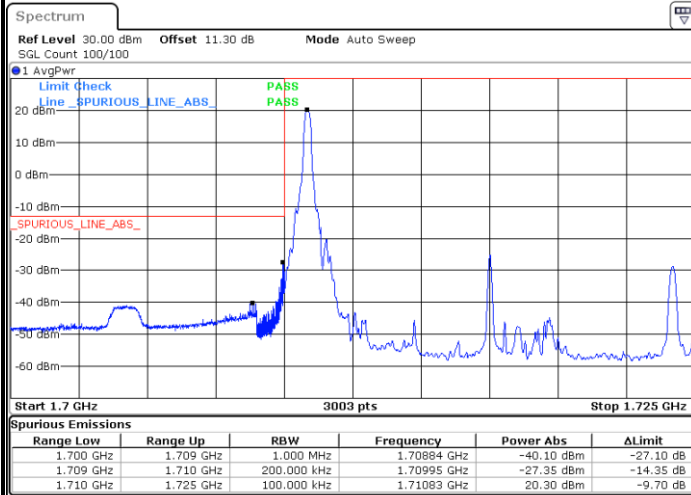
Highest Band Edge / Full RB





LTE Band 66 / 15MHz / 16QAM

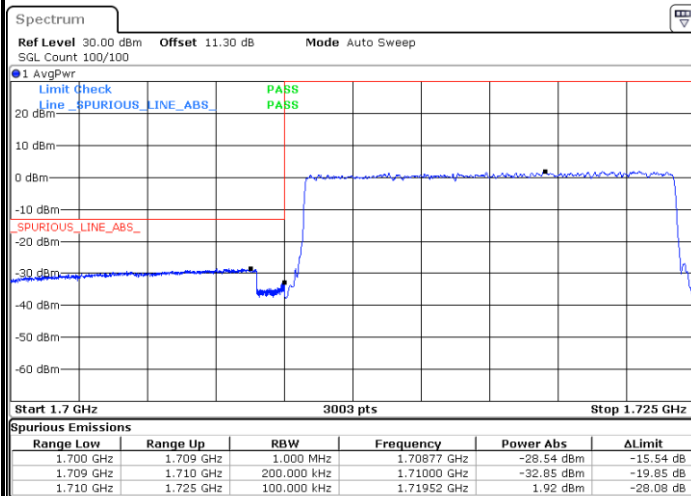
Lowest Band Edge / 1 RB



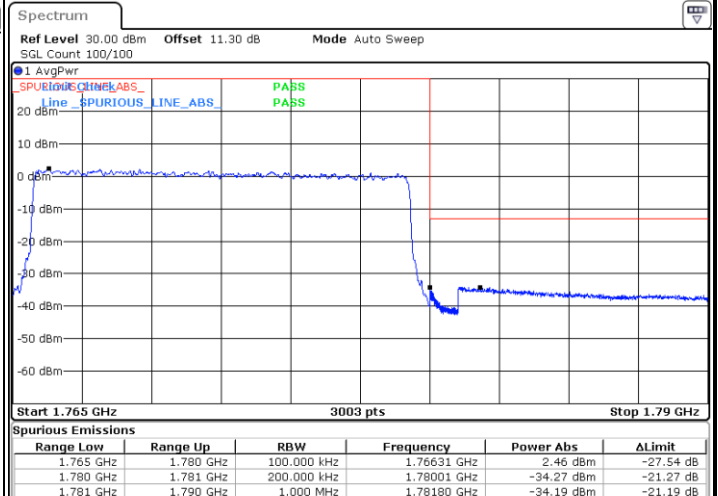
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



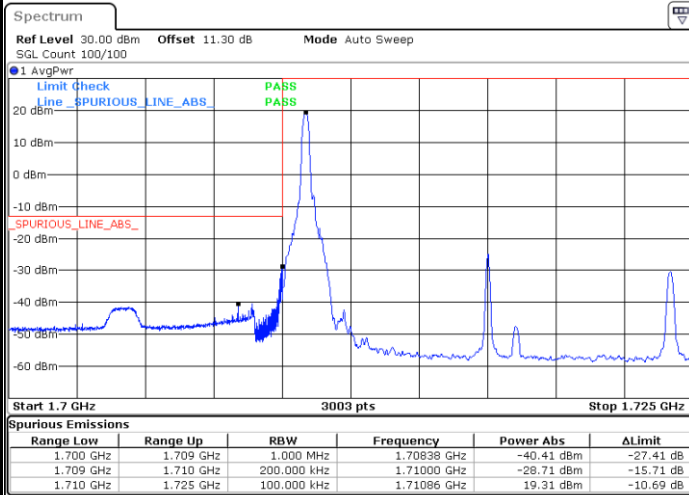
Highest Band Edge / Full RB



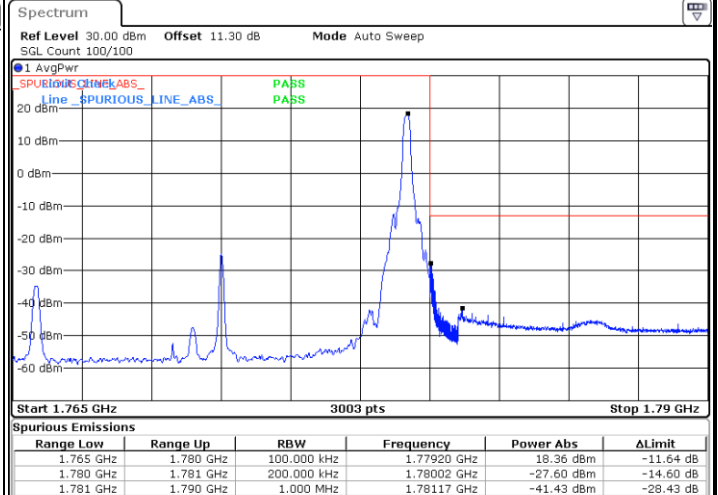


LTE Band 66 / 15MHz / 64QAM

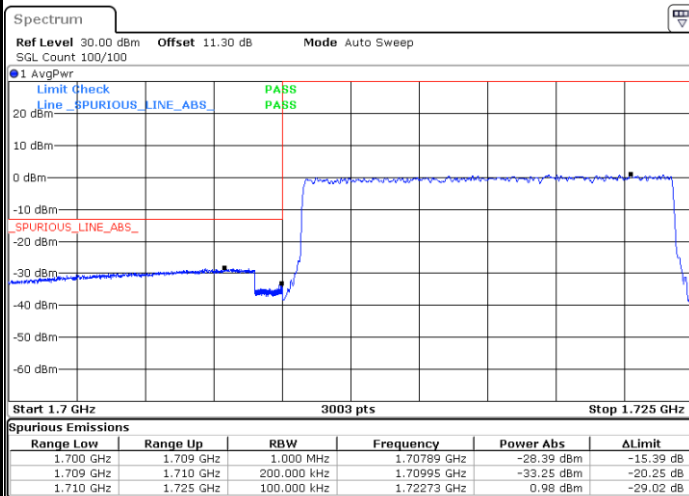
Lowest Band Edge / 1 RB



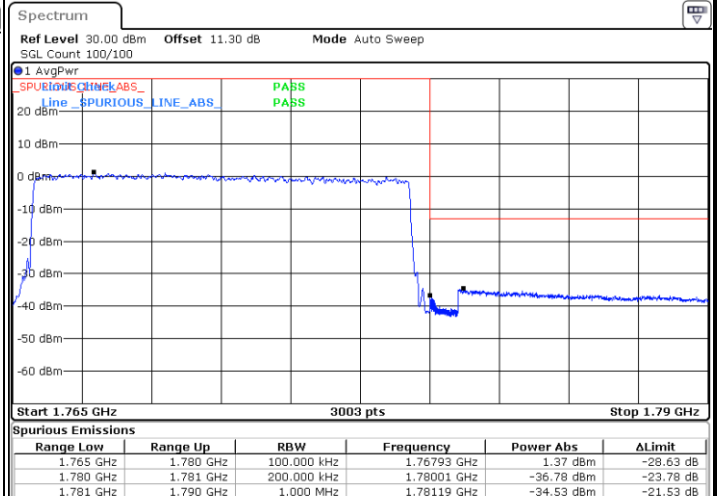
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



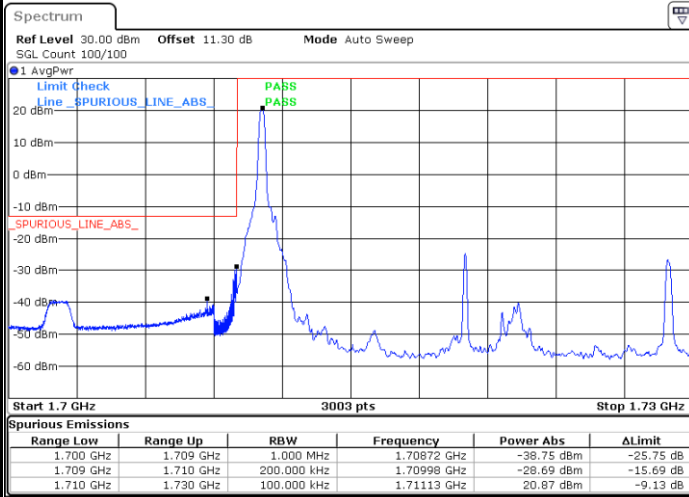
Highest Band Edge / Full RB



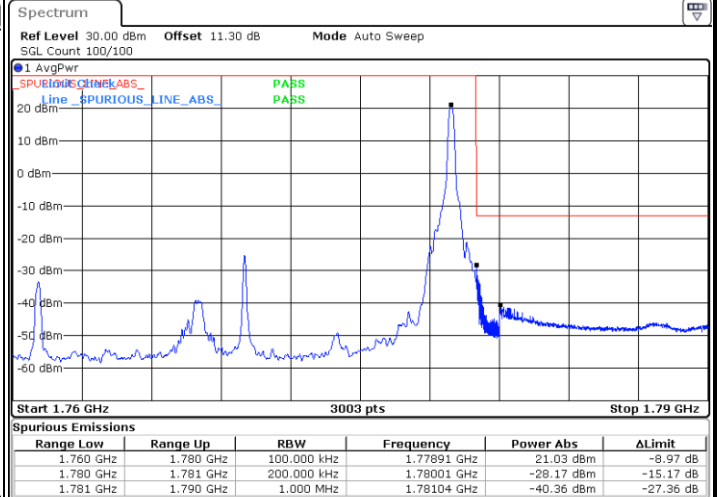


LTE Band 66 / 20MHz / QPSK

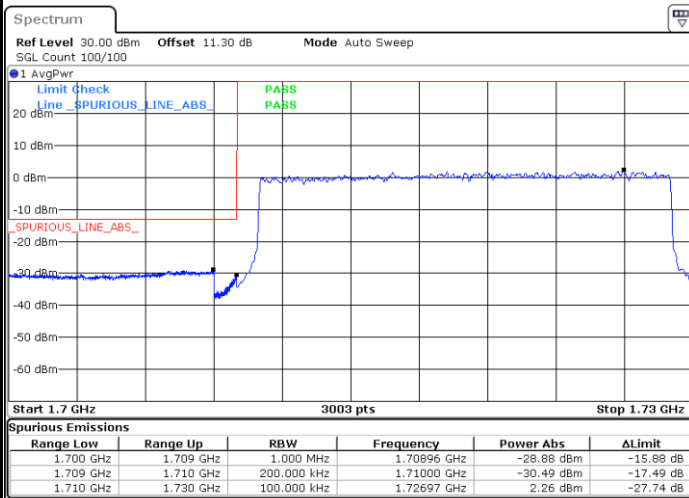
Lowest Band Edge / 1 RB



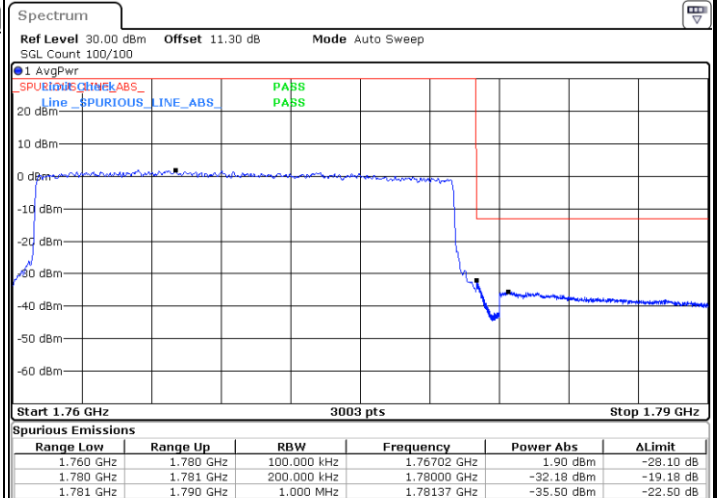
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



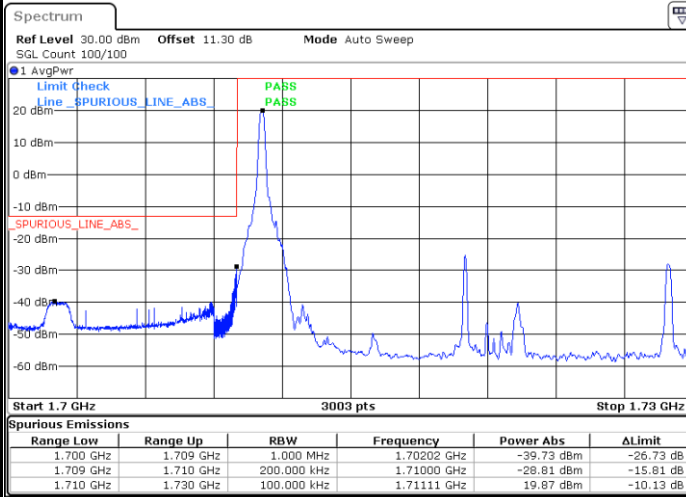
Highest Band Edge / Full RB



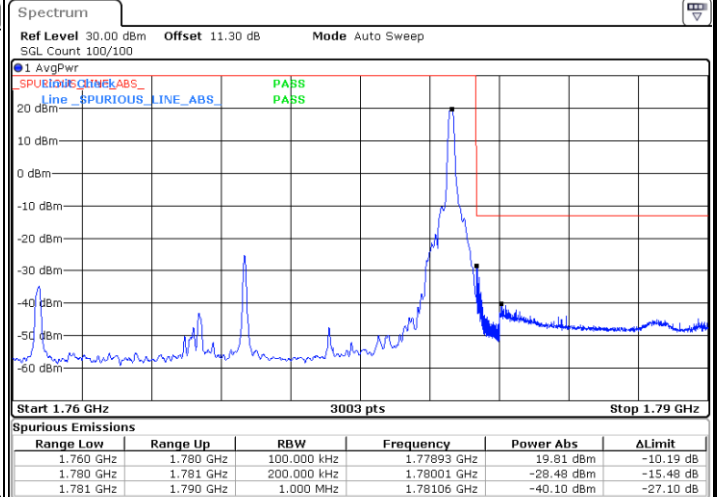


LTE Band 66 / 20MHz / 16QAM

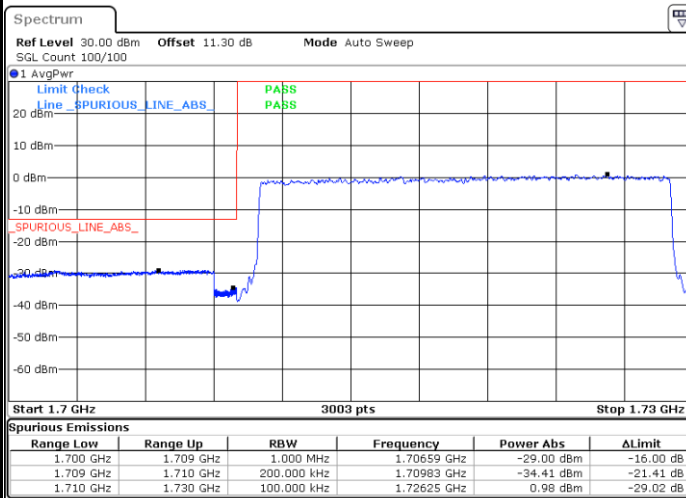
Lowest Band Edge / 1 RB



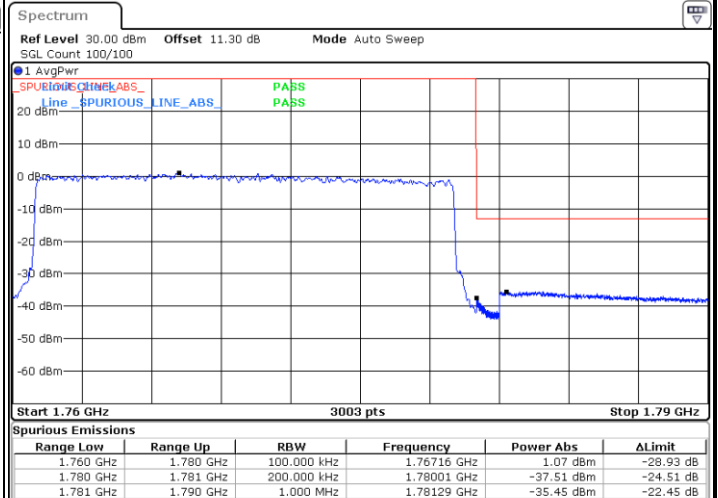
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



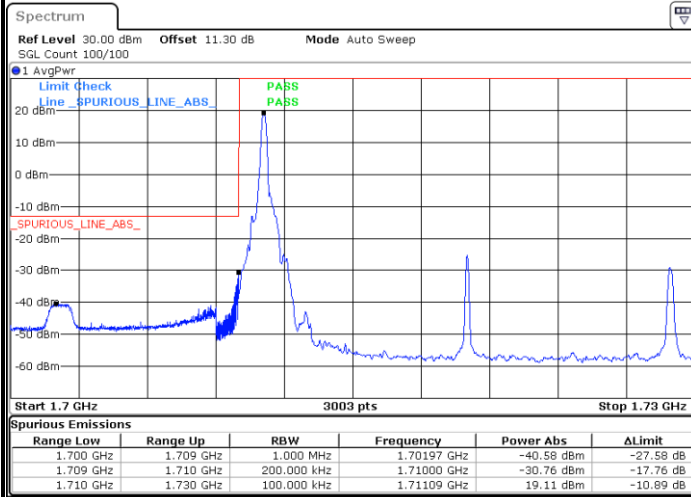
Highest Band Edge / Full RB



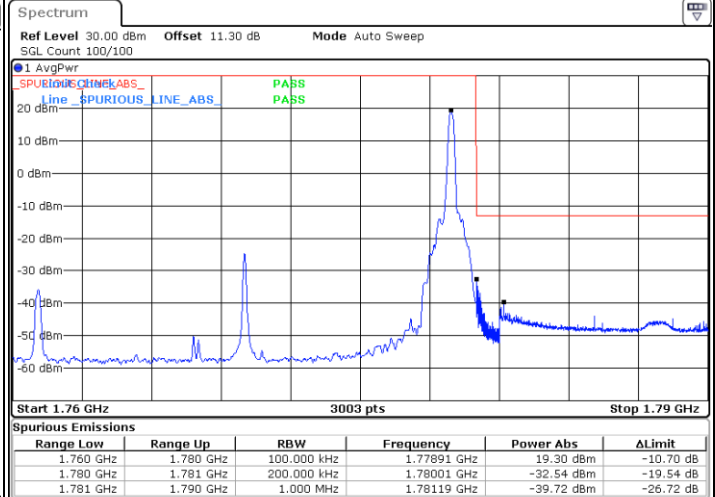


LTE Band 66 / 20MHz / 64QAM

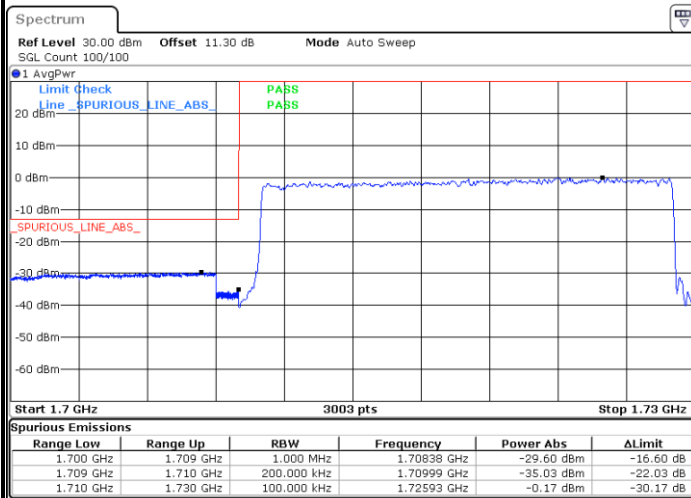
Lowest Band Edge / 1 RB



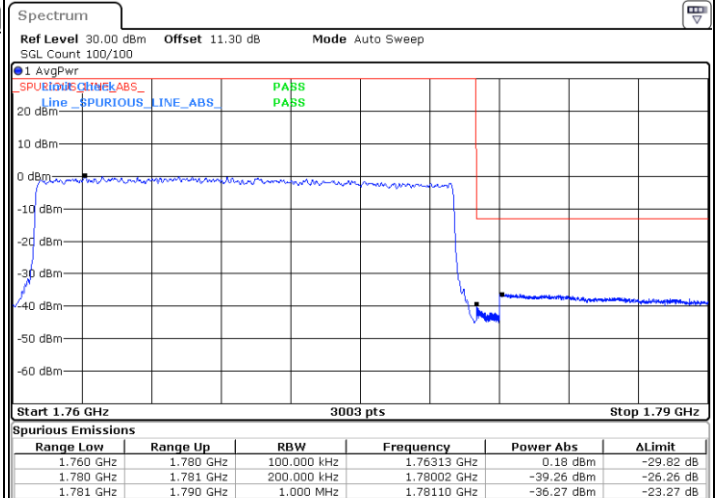
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

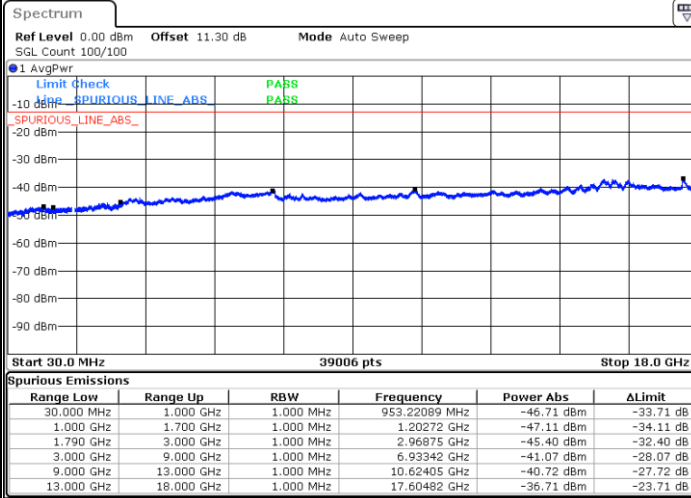




Conducted Spurious Emission

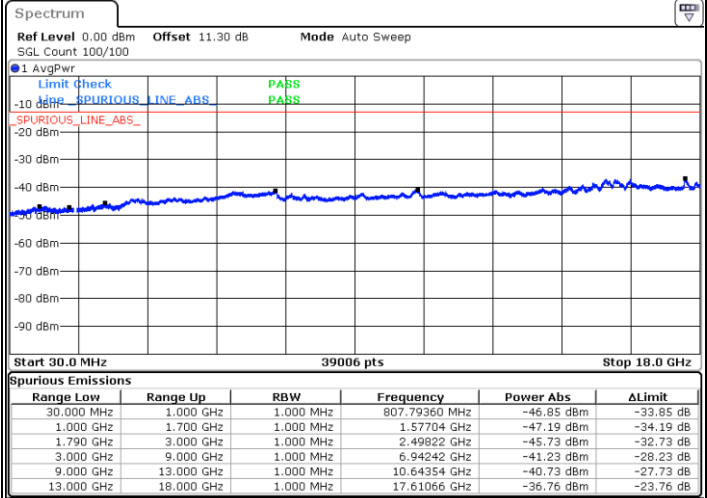
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



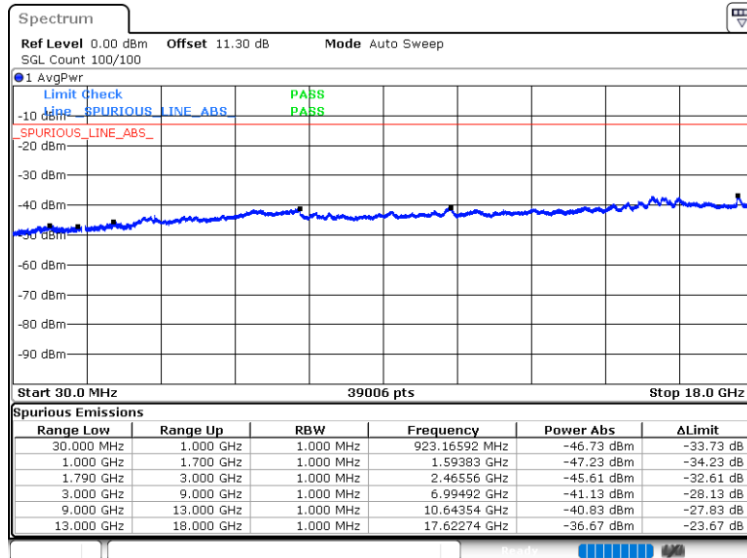
Date: 28.JUL.2022 20:57:25

Middle Channel / QPSK



Date: 28.JUL.2022 21:00:14

Highest Channel / QPSK

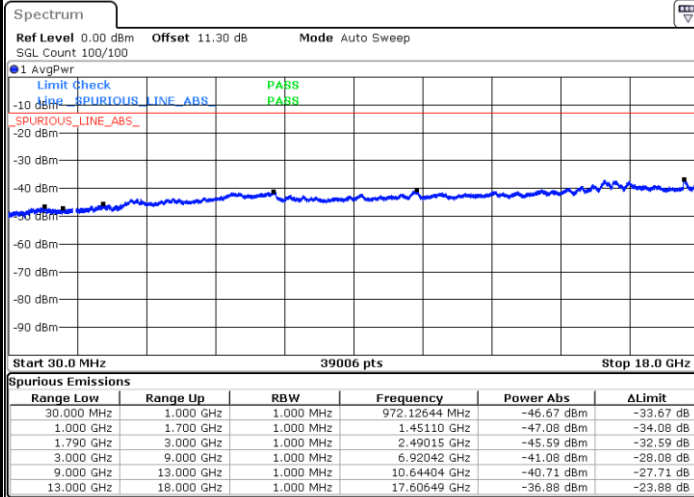


Date: 28.JUL.2022 21:05:21



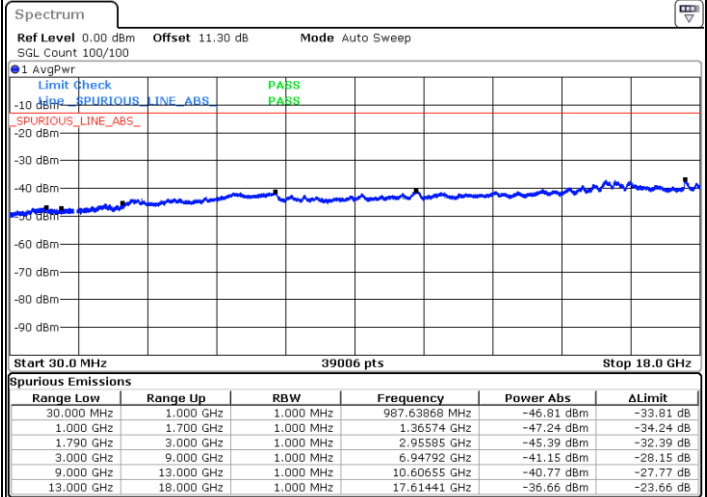
LTE Band 66 / 3MHz

Lowest Channel / QPSK



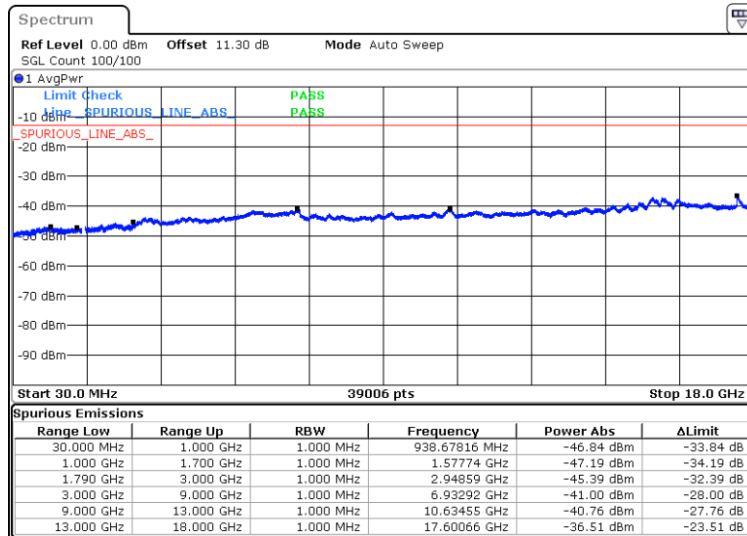
Date: 28.JUL.2022 21:15:11

Middle Channel / QPSK



Date: 28.JUL.2022 21:18:00

Highest Channel / QPSK

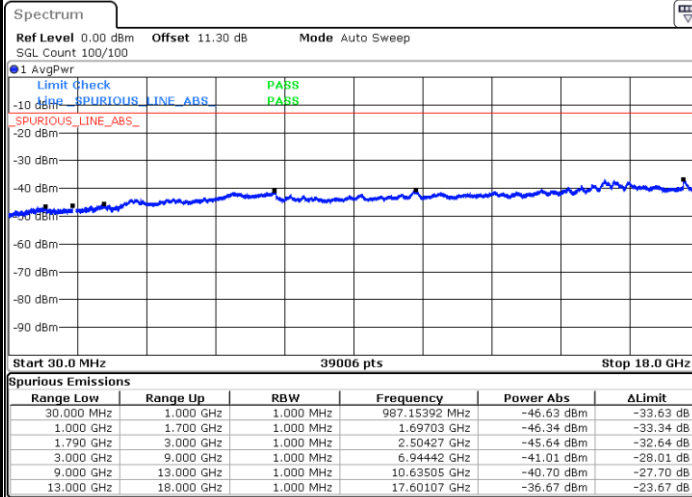


Date: 28.JUL.2022 21:23:08



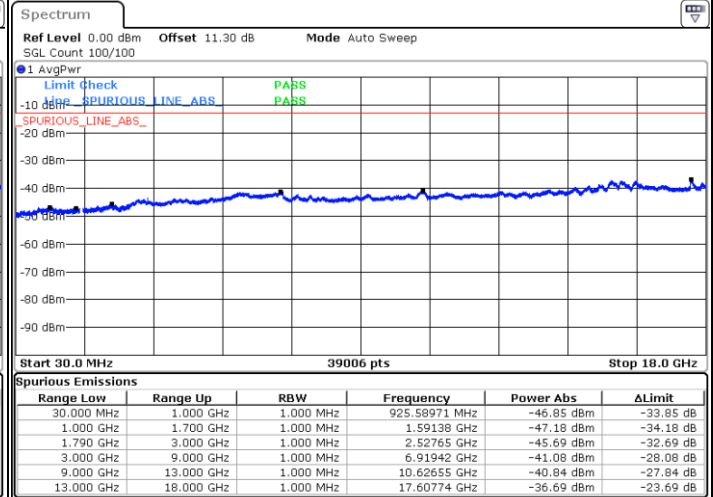
LTE Band 66 / 5MHz

Lowest Channel / QPSK



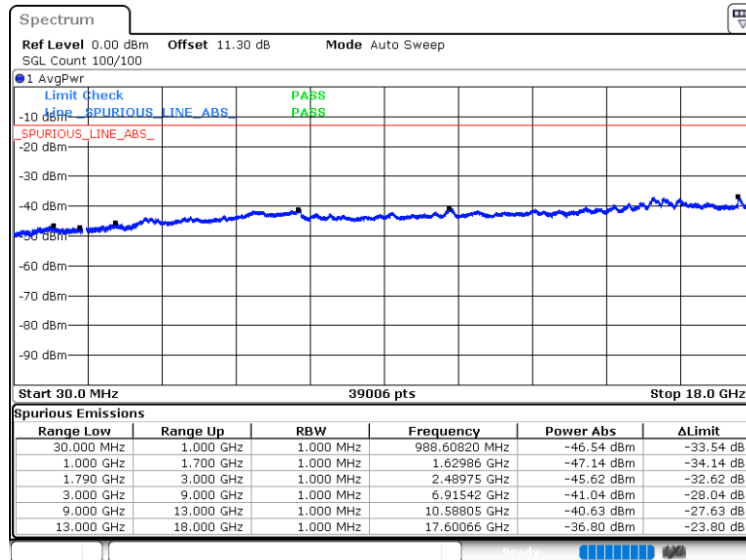
Date: 28.JUL.2022 21:37:40

Middle Channel / QPSK



Date: 28.JUL.2022 21:40:29

Highest Channel / QPSK

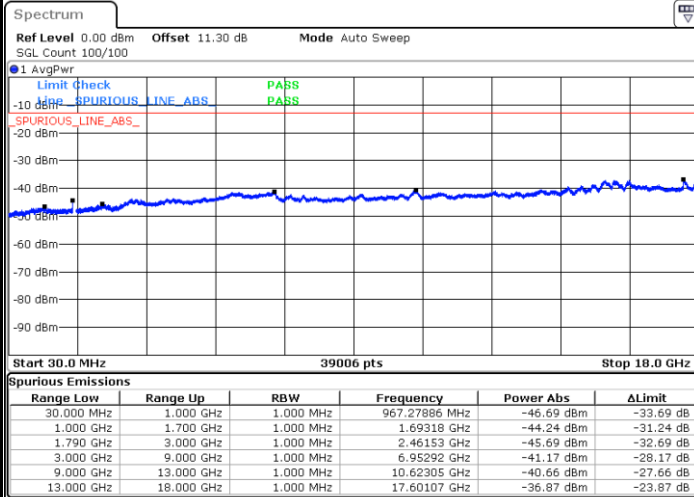


Date: 28.JUL.2022 21:45:36



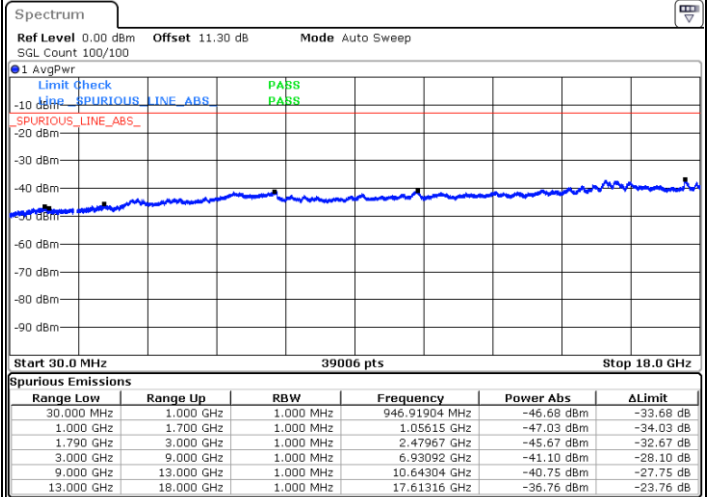
LTE Band 66 / 10MHz

Lowest Channel / QPSK



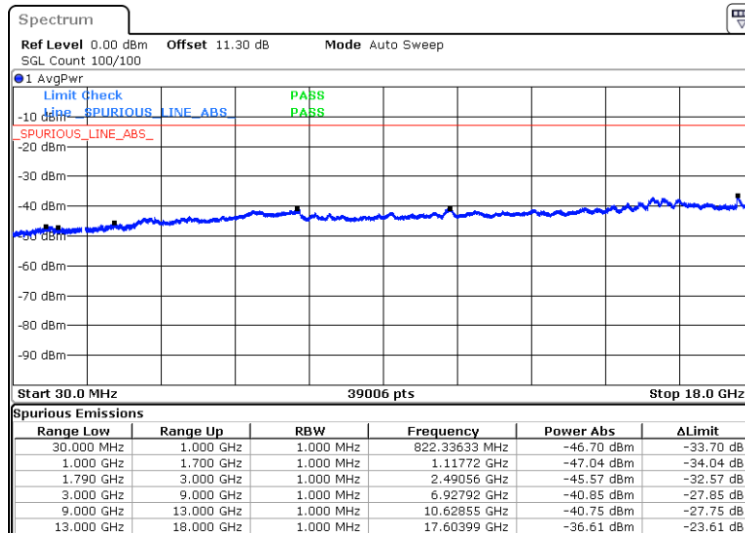
Date: 28.JUL.2022 21:51:08

Middle Channel / QPSK



Date: 28.JUL.2022 21:53:57

Highest Channel / QPSK

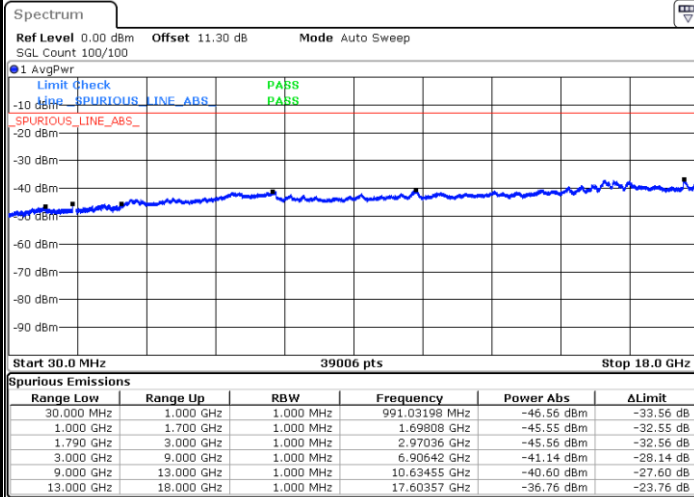


Date: 28.JUL.2022 21:59:05



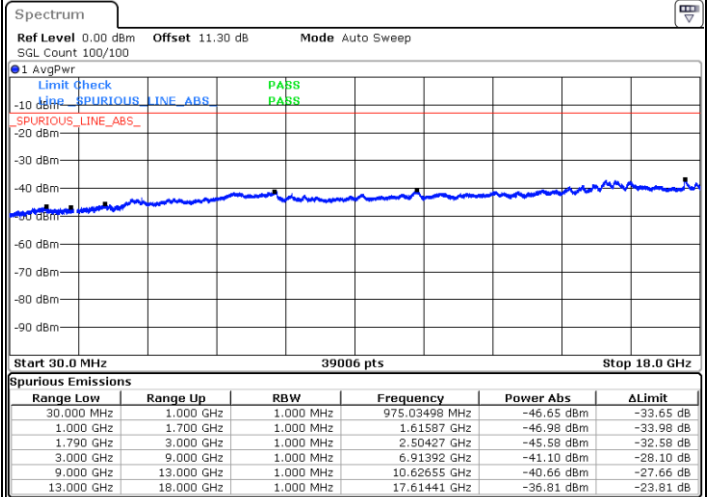
LTE Band 66 / 15MHz

Lowest Channel / QPSK



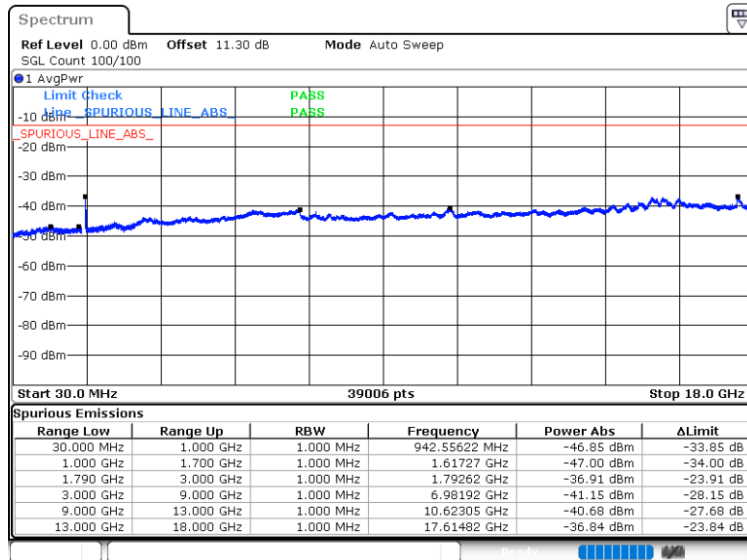
Date: 28.JUL.2022 22:13:38

Middle Channel / QPSK



Date: 28.JUL.2022 22:16:27

Highest Channel / QPSK

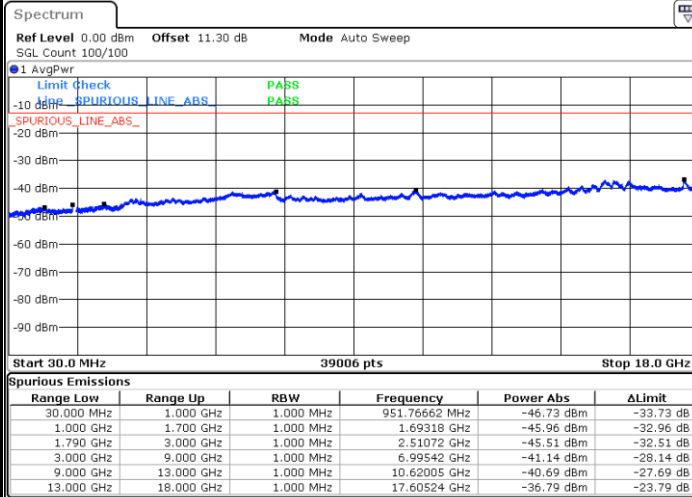


Date: 28.JUL.2022 22:21:36



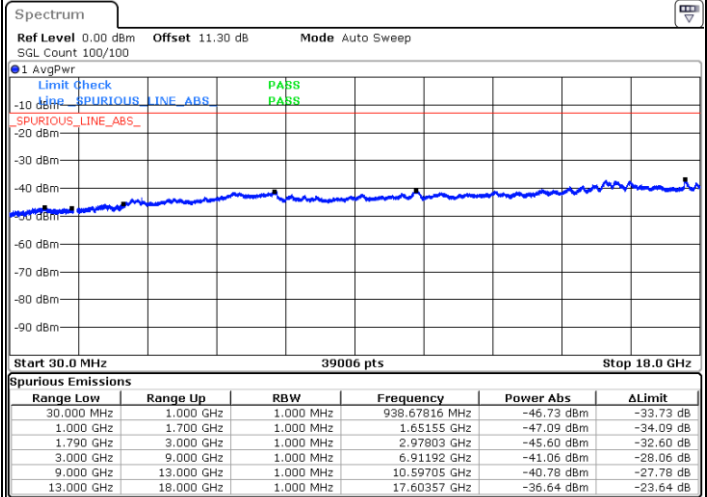
LTE Band 66 / 20MHz

Lowest Channel / QPSK



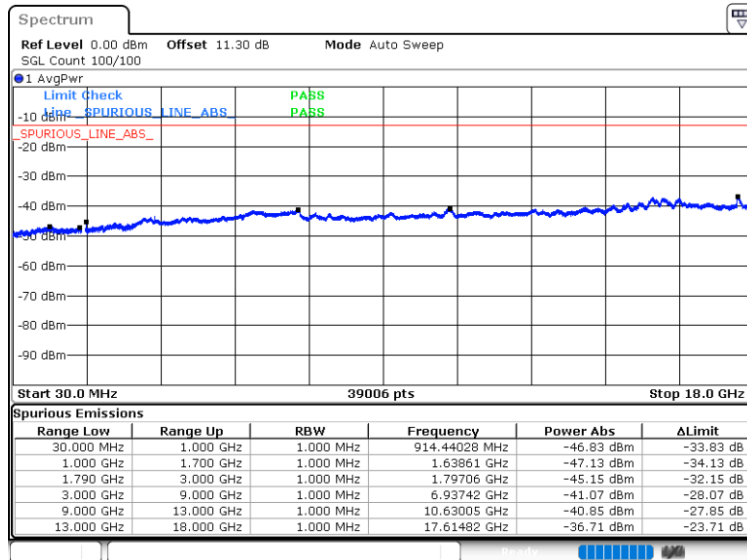
Date: 28.JUL.2022 22:27:08

Middle Channel / QPSK



Date: 28.JUL.2022 22:29:57

Highest Channel / QPSK



Date: 28.JUL.2022 22:35:05

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	0.0058	PASS
40	Normal Voltage	0.0056	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0064	
-10	Normal Voltage	0.0060	
-20	Normal Voltage	0.0078	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0038	

Note:

1. Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.1 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

LTE Band 26

LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1652.4	-52.29	-13	-39.29	-68.32	-53.17	6.35	9.38	H
	2471.4	-25.91	-13	-12.91	-43.28	-26.10	8.02	10.36	H
	3299	-56.84	-13	-43.84	-76.76	-57.57	9.16	12.04	H
	4124	-54.21	-13	-41.21	-76.76	-54.10	10.56	12.60	H
	4949	-52.61	-13	-39.61	-76.62	-51.08	11.95	12.57	H
									H
									H
	1652.4	-53.20	-13	-40.20	-69.22	-54.08	6.35	9.38	V
	2471.4	-22.46	-13	-9.46	-39.68	-22.65	8.02	10.36	V
	3299	-56.85	-13	-43.85	-76.87	-57.58	9.16	12.04	V
	4125	-50.16	-13	-37.16	-72.65	-50.05	10.56	12.60	V
	4951.8	-50.69	-13	-37.69	-75.1	-49.17	11.95	12.58	V
									V
									V
Middle	1660.2	-46.36	-13	-33.36	-62.49	-47.25	6.37	9.41	H
	2487	-25.68	-13	-12.68	-42.99	-25.86	8.11	10.44	H
	3319	-56.30	-13	-43.30	-76.24	-57.09	9.21	12.15	H
	4148.4	-51.20	-13	-38.20	-73.77	-51.11	10.54	12.60	H
	4983	-50.19	-13	-37.19	-74.37	-48.70	11.93	12.59	H
									H
									H
	1660.2	-49.47	-13	-36.47	-65.58	-50.36	6.37	9.41	V
	2487	-19.73	-13	-6.73	-36.89	-19.91	8.11	10.44	V
	3319	-56.14	-13	-43.14	-76.16	-56.93	9.21	12.15	V
	4148.4	-45.39	-13	-32.39	-67.89	-45.30	10.54	12.60	V
	4983	-45.21	-13	-32.21	-69.73	-43.72	11.93	12.59	V
									V
									V



Highest	1668	-42.96	-13	-29.96	-59.18	-43.87	6.38	9.44	H
	2502.6	-24.20	-13	-11.20	-41.48	-24.38	8.18	10.51	H
	3339	-56.46	-13	-43.46	-76.42	-57.32	9.25	12.26	H
	4171.8	-51.77	-13	-38.77	-74.36	-51.70	10.52	12.60	H
	5006.4	-49.30	-13	-36.30	-73.58	-47.82	11.93	12.60	H
									H
									H
	1668	-47.41	-13	-34.41	-63.61	-48.32	6.38	9.44	V
	2502.6	-20.04	-13	-7.04	-37.17	-20.22	8.18	10.51	V
	3339	-56.13	-13	-43.13	-76.15	-56.99	9.25	12.26	V
	4171.8	-43.08	-13	-30.08	-65.58	-43.01	10.52	12.60	V
	5006.4	-43.56	-13	-30.56	-68.14	-42.08	11.93	12.60	V
									V
									V

**LTE Band 25**

LTE Band 25 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-54.54	-13	-41.54	-76.34	-56.71	9.93	12.10	H
	5553	-50.22	-13	-37.22	-74.4	-49.70	13.67	13.15	H
	7404	-46.32	-13	-33.32	-77.14	-43.76	13.95	11.39	H
									H
									H
									H
									H
	3702	-54.59	-13	-41.59	-76.27	-56.76	9.93	12.10	V
	5553	-47.66	-13	-34.66	-72.39	-47.14	13.67	13.15	V
	7404	-46.61	-13	-33.61	-77.61	-44.05	13.95	11.39	V
									V
									V
									V
									V
Middle	3742	-54.15	-13	-41.15	-76.05	-56.27	10.02	12.14	H
	5613	-51.07	-13	-38.07	-75.12	-50.35	13.93	13.21	H
	7484	-47.18	-13	-34.18	-77.56	-43.81	14.60	11.23	H
									H
									H
									H
									H
	3742	-53.95	-13	-40.95	-75.77	-56.07	10.02	12.14	V
	5613	-49.04	-13	-36.04	-73.59	-48.32	13.93	13.21	V
	7484	-46.69	-13	-33.69	-77.17	-43.32	14.60	11.23	V
									V
									V
									V
									V



Highest	3792	-53.75	-13	-40.75	-75.73	-55.81	10.13	12.19	H
	5688	-50.58	-13	-37.58	-74.81	-50.06	13.81	13.29	H
	7584	-46.76	-13	-33.76	-76.69	-43.14	15.16	11.54	H
									H
									H
									H
									H
	3792	-54.05	-13	-41.05	-76.01	-56.11	10.13	12.19	V
	5688	-49.19	-13	-36.19	-73.94	-48.67	13.81	13.29	V
	7584	-46.72	-13	-33.72	-76.72	-43.10	15.16	11.54	V
									V
									V
									V
									V

**LTE Band 66**

LTE Band 66 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-55.13	-13	-42.13	-76.09	-58.28	9.41	12.56	H
	5135	-35.95	-13	-22.95	-60.59	-36.51	12.11	12.67	H
	6844	-48.48	-13	-35.48	-77.65	-46.93	13.97	12.42	H
									H
									H
									H
									H
	3420	-55.45	-13	-42.45	-76.41	-58.60	9.41	12.56	V
	5135	-37.74	-13	-24.74	-62.64	-38.30	12.11	12.67	V
	6844	-48.97	-13	-35.97	-77.97	-47.42	13.97	12.42	V
									V
									V
									V
									V
Middle	3469	-55.41	-13	-42.41	-76.64	-58.40	9.47	12.46	H
	5212	-40.15	-13	-27.15	-64.95	-40.64	12.25	12.74	H
	6944	-48.56	-13	-35.56	-77.71	-46.55	14.03	12.02	H
									H
									H
									H
									H
	3469	-55.39	-13	-42.39	-76.59	-58.38	9.47	12.46	V
	5205	-39.05	-13	-26.05	-64.11	-39.55	12.22	12.72	V
	6944	-48.54	-13	-35.54	-77.54	-46.53	14.03	12.02	V
									V
									V
									V
									V



Highest	3525	-54.77	-13	-41.77	-76.2	-57.52	9.55	12.30	H
	5282	-38.10	-13	-25.10	-62.96	-38.49	12.56	12.95	H
	7044	-47.55	-13	-34.55	-76.83	-45.22	14.02	11.69	H
									H
									H
									H
									H
	3525	-55.05	-13	-42.05	-76.38	-57.80	9.55	12.30	V
	5282	-37.24	-13	-24.24	-62.48	-37.63	12.56	12.95	V
	7044	-47.41	-13	-34.41	-76.75	-45.08	14.02	11.69	V
									V
									V
									V
									V

**LTE Band 7**

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5002	-52.25	-25	-27.25	-76.57	-52.93	11.92	12.60	H
	7503	-46.73	-25	-21.73	-77.01	-43.19	14.75	11.21	H
	10004	-43.39	-25	-18.39	-77.19	-37.32	17.17	11.10	H
									H
									H
									H
									H
	5002	-52.13	-25	-27.13	-76.76	-52.81	11.92	12.60	V
	7503	-46.88	-25	-21.88	-77.24	-43.34	14.75	11.21	V
	10004	-44.16	-25	-19.16	-77.3	-38.09	17.17	11.10	V
									V
									V
									V
									V
Middle	5052	-52.26	-25	-27.26	-76.7	-52.90	11.99	12.63	H
	7578	-46.68	-25	-21.68	-76.55	-43.06	15.13	11.51	H
	10104	-43.59	-25	-18.59	-77.4	-37.46	17.17	11.04	H
									H
									H
									H
									H
	5052	-51.44	-25	-26.44	-76.17	-52.08	11.99	12.63	V
	7578	-46.94	-25	-21.94	-76.88	-43.32	15.13	11.51	V
	10104	-43.92	-25	-18.92	-77.19	-37.79	17.17	11.04	V
									V
									V
									V
									V



Highest	5102	-51.61	-25	-26.61	-76.18	-52.20	12.06	12.65	H
	7653	-46.79	-25	-21.79	-76.51	-43.46	14.96	11.63	H
	10204	-42.95	-25	-17.95	-76.76	-36.76	17.17	10.98	H
									H
									H
									H
									H
	5102	-50.54	-25	-25.54	-75.38	-51.13	12.06	12.65	V
	7653	-46.35	-25	-21.35	-76.14	-43.02	14.96	11.63	V
	10204	-43.64	-25	-18.64	-77.03	-37.45	17.17	10.98	V
									V
									V
									V
									V

**LTE Band 13**

LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1552	-59.75	-13	-46.75	-74.94	-59.99	6.28	8.67	H
	2332	-58.55	-13	-45.55	-76.47	-58.52	7.54	9.66	H
	3109	-56.78	-13	-43.78	-76.30	-57.14	8.81	11.32	H
									H
									H
									H
									H
	1552	-59.18	-13.00	-46.18	-74.31	-59.42	6.28	8.67	V
	2332	-58.41	-13	-45.41	-76.31	-58.38	7.54	9.66	V
	3109	-57.51	-13	-44.51	-76.93	-57.87	8.81	11.32	V
									V
									V
									V
									V
Middle	1560	-60.05	-42.15	-17.90	-75.27	-60.38	6.28	8.76	H
	2339	-58.40	-13	-45.40	-76.29	-58.40	7.55	9.70	H
	3119	-56.70	-13	-43.70	-76.27	-57.06	8.83	11.34	H
									H
									H
									H
									H
	1560	-60.00	-42.15	-17.85	-75.18	-60.33	6.28	8.76	V
	2339	-58.77	-13	-45.77	-76.63	-58.77	7.55	9.70	V
	3119	-56.66	-13	-43.66	-76.16	-57.02	8.83	11.34	V
									V
									V
									V
									V



Highest	1560	-60.14	-42.15	-17.99	-75.36	-60.47	6.28	8.76	H
	2347	-58.67	-13	-45.67	-76.53	-58.70	7.56	9.74	H
	3129	-56.69	-13	-43.69	-76.29	-57.06	8.84	11.36	H
									H
									H
									H
									H
	1560	-60.34	-42.15	-18.19	-75.52	-60.67	6.28	8.76	V
	2347	-58.68	-13	-45.68	-76.50	-58.71	7.56	9.74	V
	3129	-56.97	-13	-43.97	-76.52	-57.34	8.84	11.36	V
									V
									V
									V
									V

**LTE Band 12**

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-60.15	-13	-47.15	-74.94	-59.39	5.81	7.20	H
	2098	-59.17	-13	-46.17	-76.41	-59.38	7.15	9.51	H
	2798	-58.27	-13	-45.27	-76.69	-58.44	8.58	10.90	H
									H
									H
									H
									H
	1400	-59.68	-13	-46.68	-74.86	-58.92	5.81	7.20	V
	2098	-58.97	-13	-45.97	-76.25	-59.18	7.15	9.51	V
	2798	-57.95	-13	-44.95	-76.26	-58.12	8.58	10.90	V
									V
									V
									V
									V
Middle	1406	-60.11	-13	-47.11	-74.91	-59.37	5.84	7.25	H
	2109	-58.34	-13	-45.34	-75.71	-58.48	7.17	9.46	H
	2812	-58.02	-13	-45.02	-76.49	-58.19	8.59	10.91	H
									H
									H
									H
									H
	1406	-59.47	-13	-46.47	-74.65	-58.73	5.84	7.25	V
	2109	-58.70	-13	-45.70	-76.12	-58.84	7.17	9.46	V
	2812	-58.11	-13	-45.11	-76.45	-58.28	8.59	10.91	V
									V
									V
									V
									V



Highest	1416	-59.71	-13	-46.71	-74.52	-59.01	5.89	7.34	H
	2119	-58.66	-13	-45.66	-76.14	-58.73	7.19	9.41	H
	2826	-57.79	-13	-44.79	-76.31	-57.97	8.60	10.93	H
									H
									H
									H
									H
	1416	-59.79	-13	-46.79	-74.91	-59.09	5.89	7.34	V
	2119	-58.70	-13	-45.70	-76.26	-58.77	7.19	9.41	V
	2826	-57.98	-13	-44.98	-76.34	-58.16	8.60	10.93	V
									V
									V
									V
									V

**LTE Band 41**

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4994	-52.39	-25	-27.39	-76.69	-53.07	11.92	12.60	H
	7491	-46.72	-25	-21.72	-77.06	-43.28	14.66	11.22	H
	9988	-44.62	-25	-19.62	-78.37	-38.56	17.15	11.09	H
									H
									H
									H
									H
	4994	-52.67	-25	-27.67	-77.29	-53.35	11.92	12.60	V
	7491	-45.30	-25	-20.30	-75.73	-41.86	14.66	11.22	V
	9988	-44.92	-25	-19.92	-78.01	-38.86	17.15	11.09	V
									V
									V
									V
									V
Middle	5168	-49.22	-25	-24.22	-73.94	-49.74	12.16	12.68	H
	7752	-43.74	-25	-18.74	-73.39	-40.99	14.43	11.68	H
	10336	-42.73	-25	-17.73	-76.56	-36.47	17.16	10.90	H
									H
									H
									H
									H
	5168	-48.29	-25	-23.29	-73.25	-48.81	12.16	12.68	V
	7752	-45.38	-25	-20.38	-75.09	-42.63	14.43	11.68	V
	10336	-43.26	-25	-18.26	-76.83	-37.00	17.16	10.90	V
									V
									V
									V
									V



Highest	5342	-42.79	-25	-17.79	-67.71	-43.09	12.83	13.13	H
	8013	-42.73	-25	-17.73	-73.01	-39.18	14.80	11.25	H
	10684	-43.37	-25	-18.37	-77.31	-36.82	17.24	10.69	H
									H
									H
									H
									H
	5342	-41.85	-25	-16.85	-67.25	-42.15	12.83	13.13	V
	8013	-42.92	-25	-17.92	-73.21	-39.37	14.80	11.25	V
	10684	-43.53	-25	-18.53	-77.4	-36.98	17.24	10.69	V
									V
									V
									V
									V

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