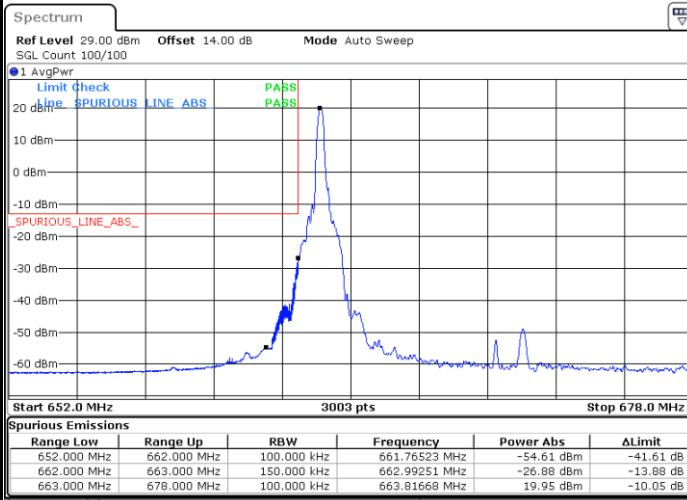




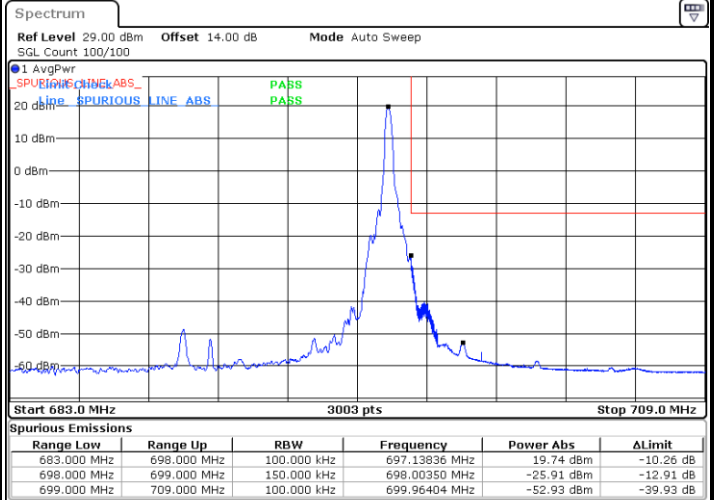
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



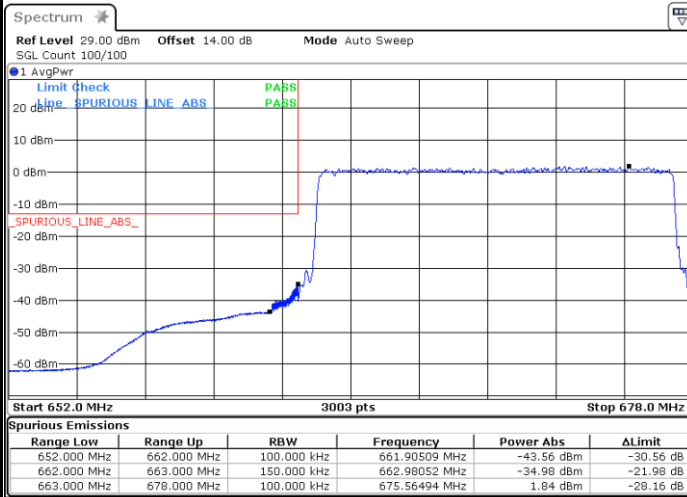
Date: 4.DEC.2022 16:46:15

Highest Band Edge / 1 RB



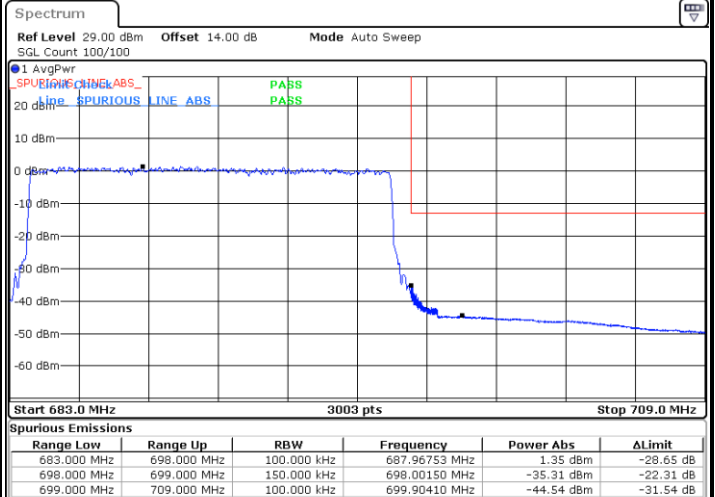
Date: 5.DEC.2022 08:33:49

Lowest Band Edge / Full RB



Date: 10.DEC.2022 10:20:51

Highest Band Edge / Full RB

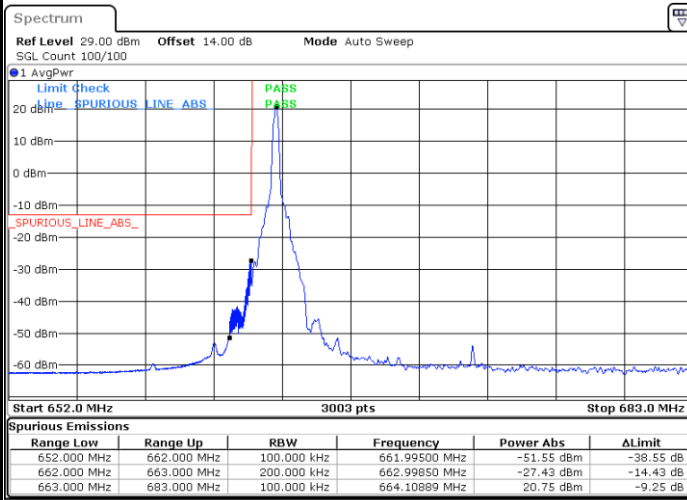


Date: 5.DEC.2022 08:34:52



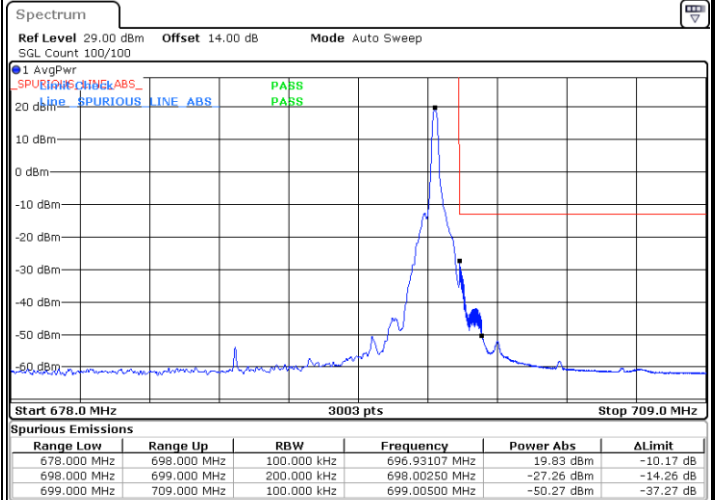
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



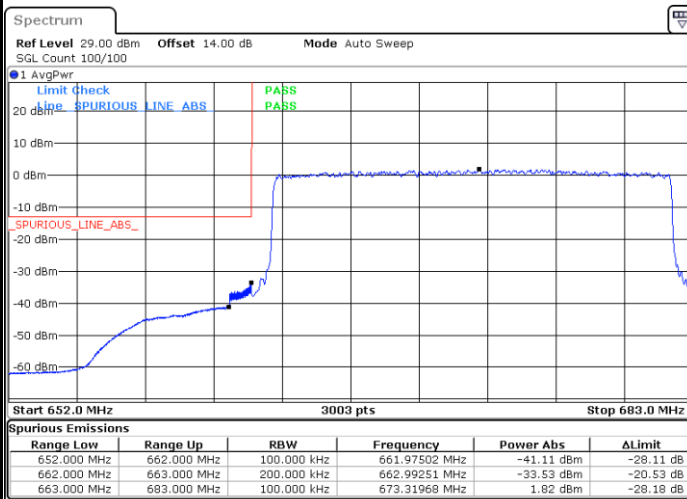
Date: 5.DEC.2022 08:38:33

Highest Band Edge / 1 RB



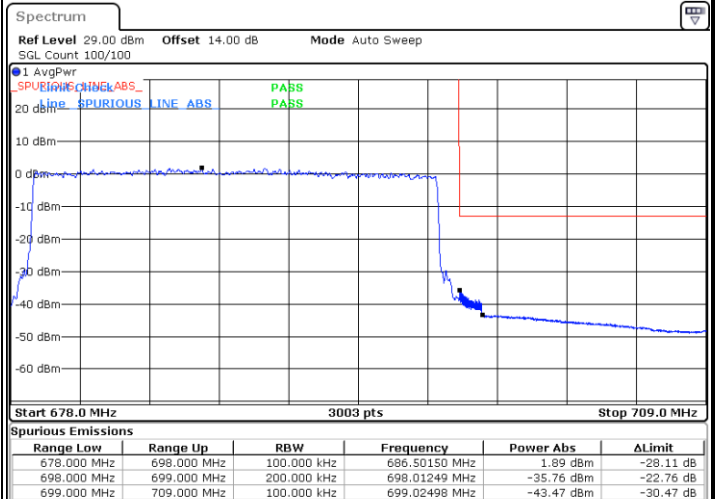
Date: 5.DEC.2022 08:49:52

Lowest Band Edge / Full RB



Date: 5.DEC.2022 08:40:39

Highest Band Edge / Full RB

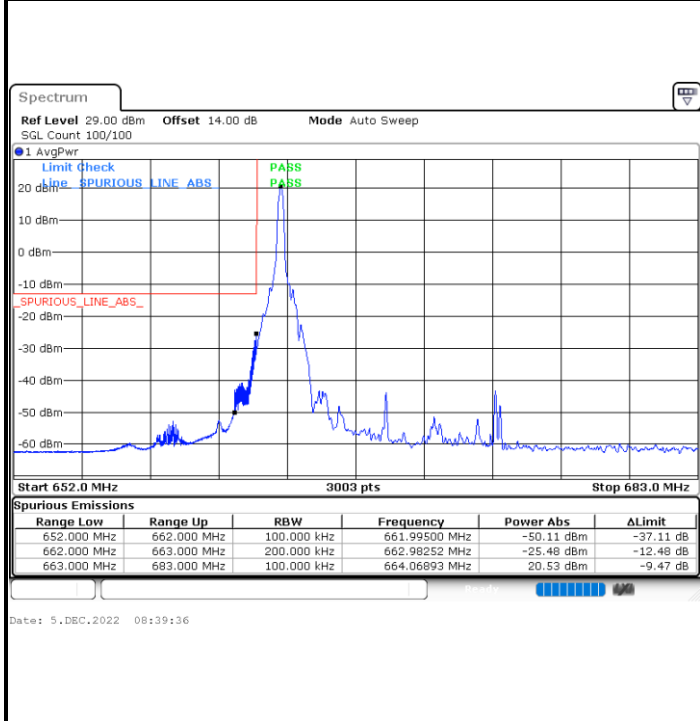


Date: 5.DEC.2022 08:53:02

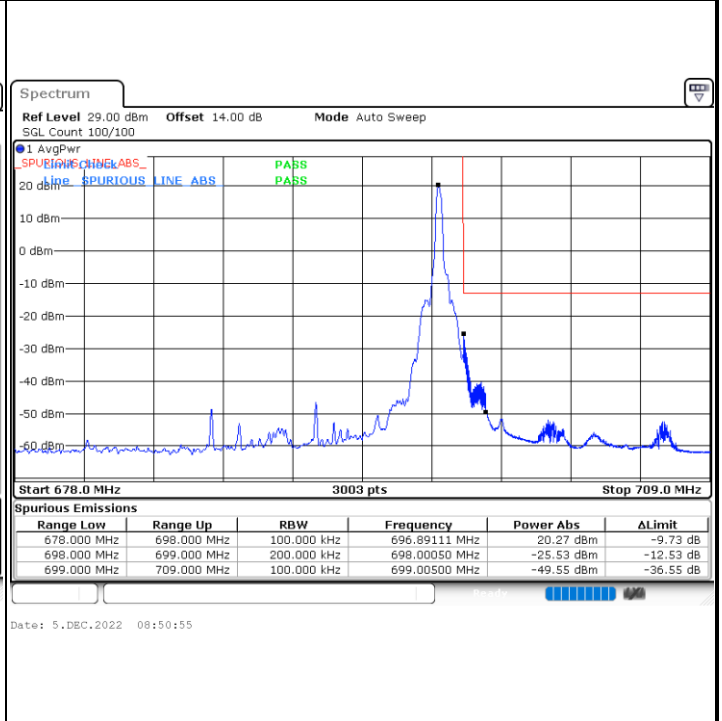


LTE Band 71 / 20MHz / 16QAM

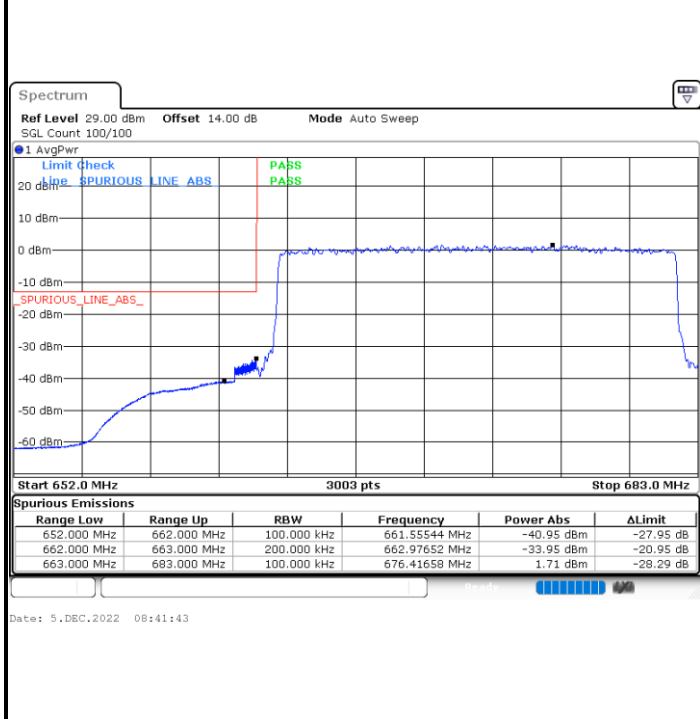
Lowest Band Edge / 1 RB



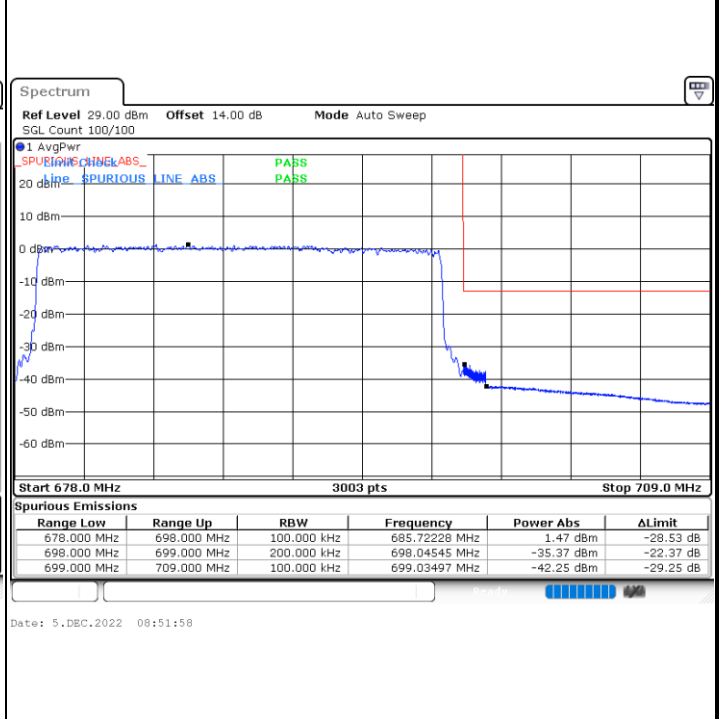
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



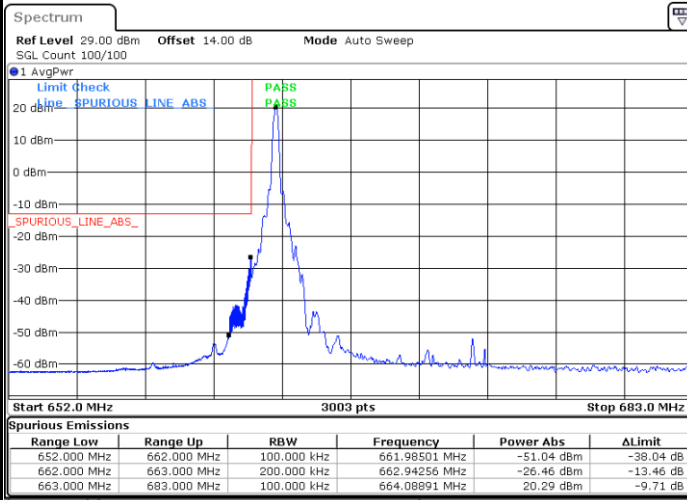
Highest Band Edge / Full RB





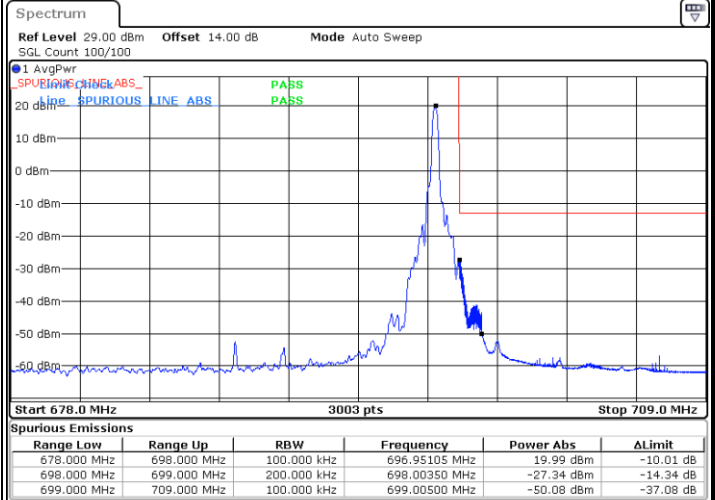
LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



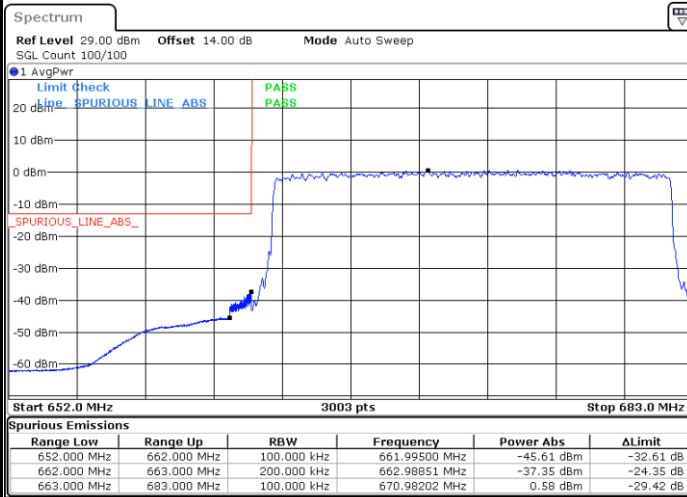
Date: 5.DEC.2022 08:56:40

Highest Band Edge / 1 RB



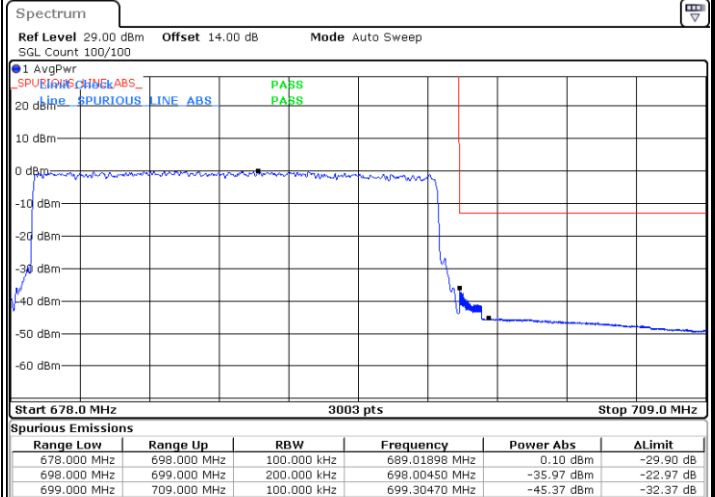
Date: 5.DEC.2022 09:02:02

Lowest Band Edge / Full RB



Date: 5.DEC.2022 08:57:44

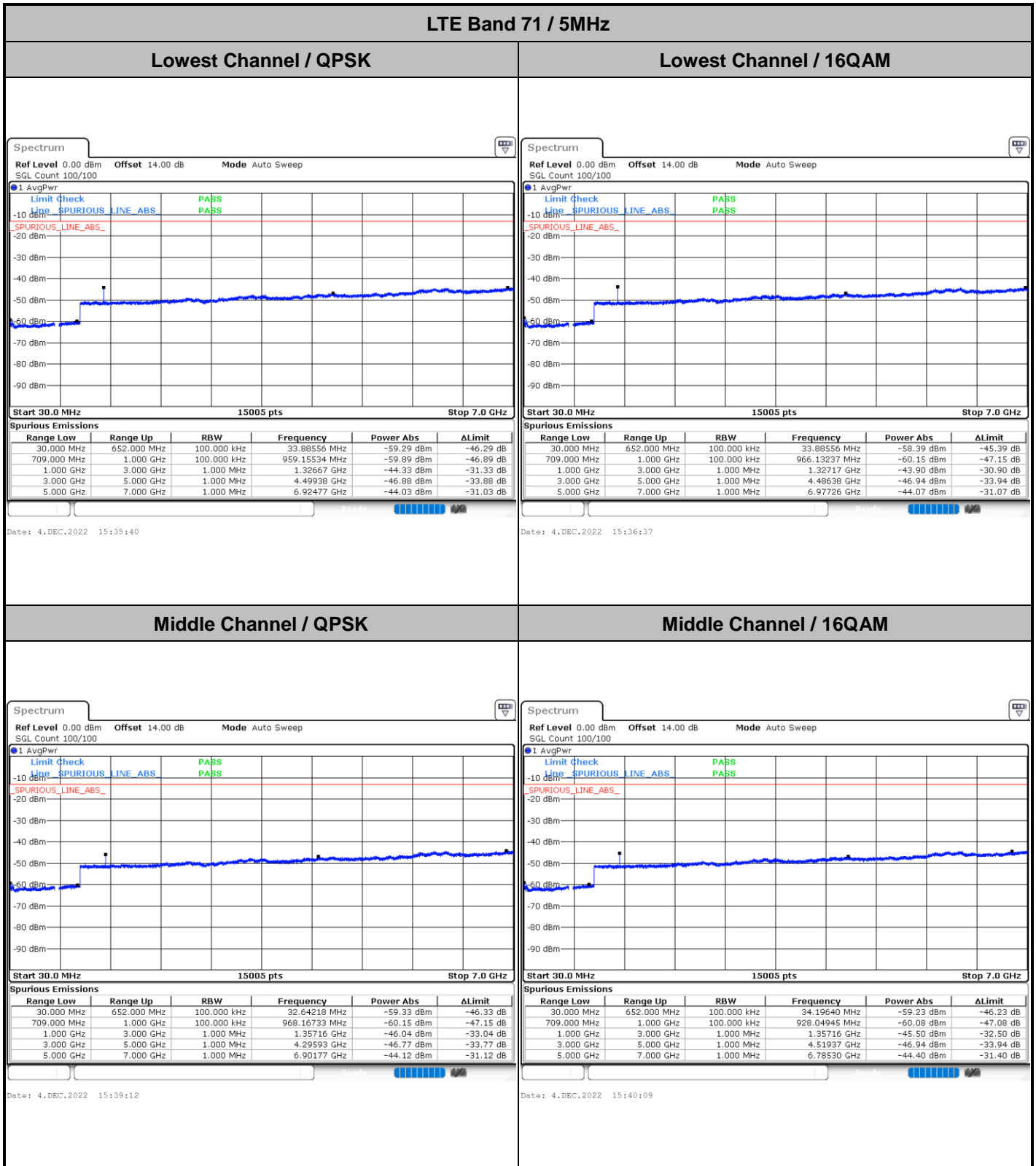
Highest Band Edge / Full RB



Date: 5.DEC.2022 09:03:06



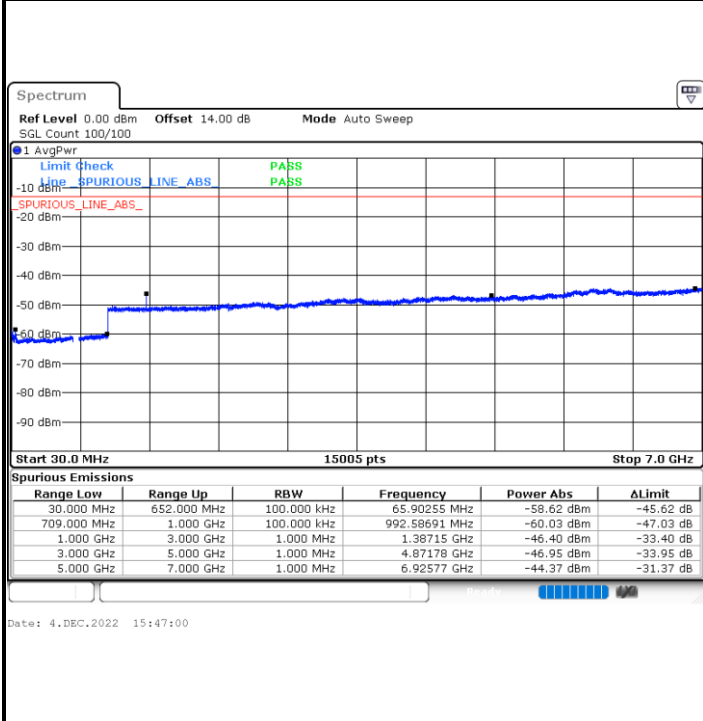
Conducted Spurious Emission



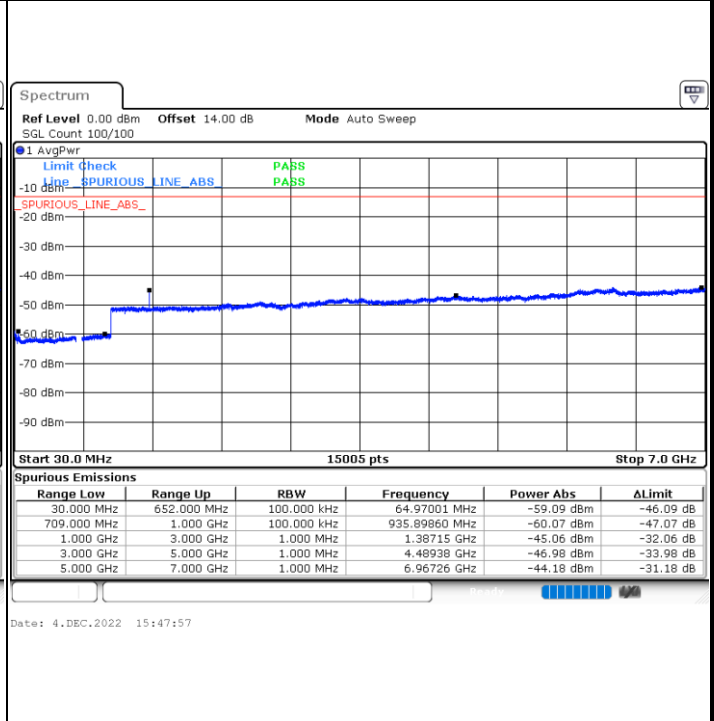


LTE Band 71 / 5MHz

Highest Channel / QPSK

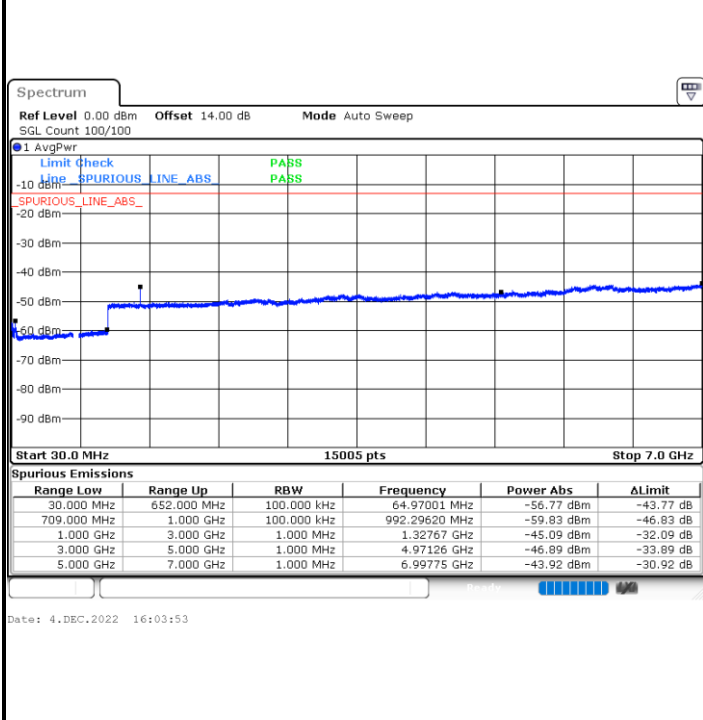


Highest Channel / 16QAM

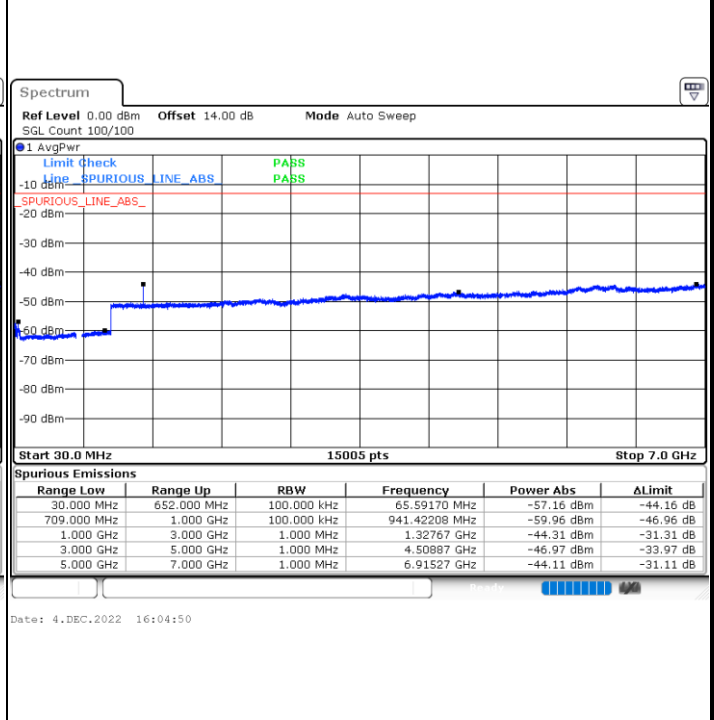


LTE Band 71 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

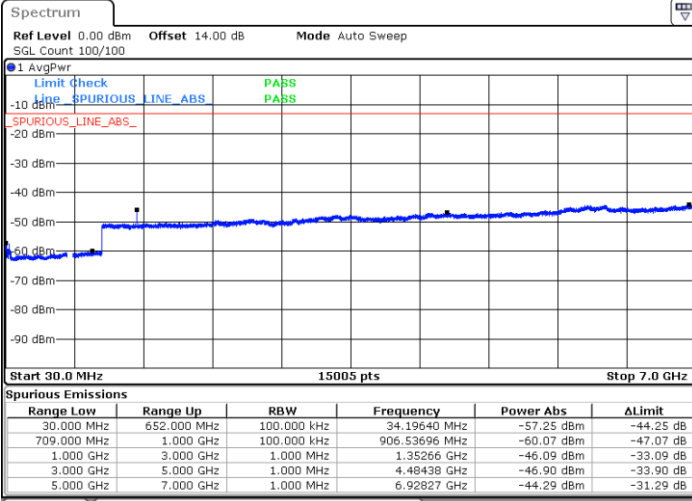




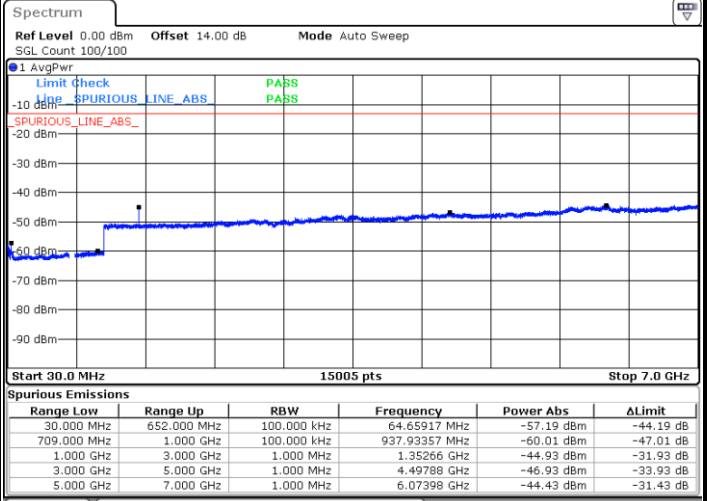
LTE Band 71 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



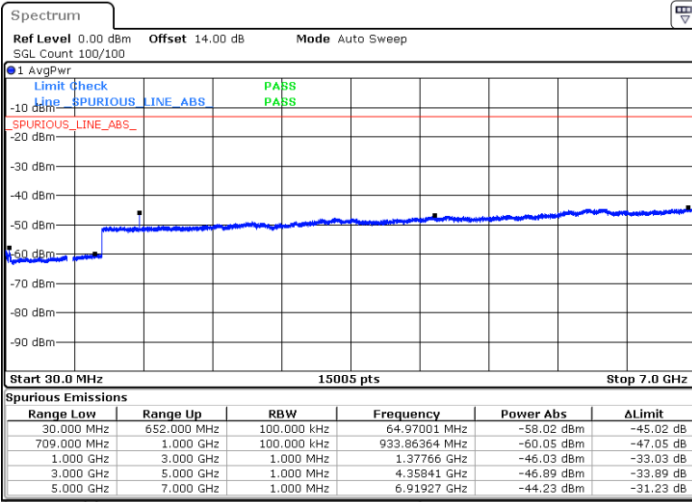
Date: 4.DEC.2022 16:07:25



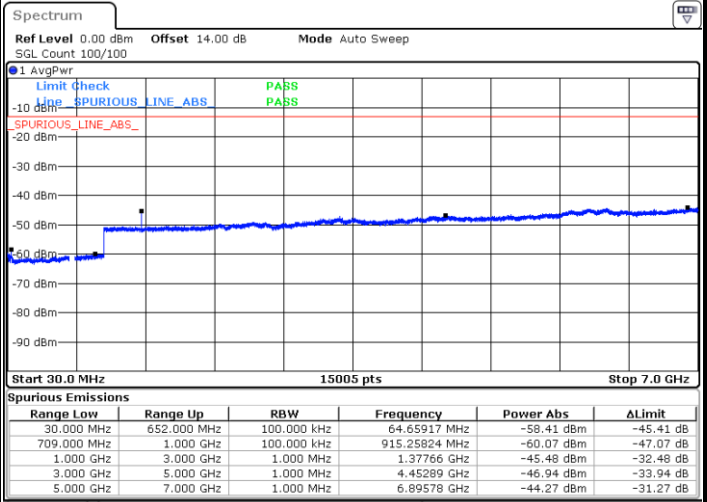
Date: 4.DEC.2022 16:08:22

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4.DEC.2022 16:15:15



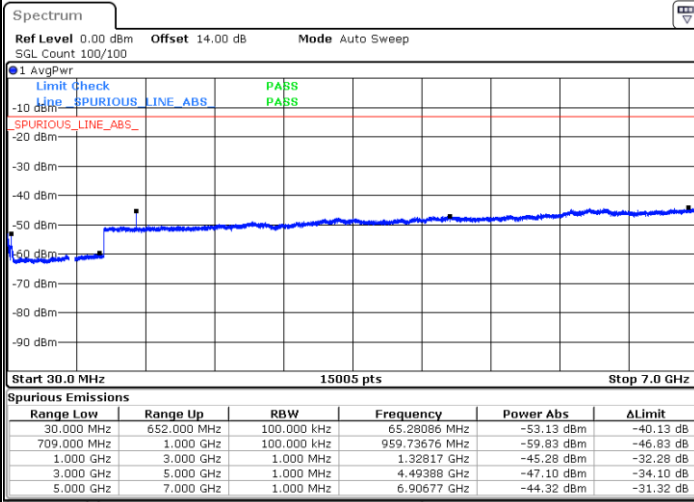
Date: 4.DEC.2022 16:16:13



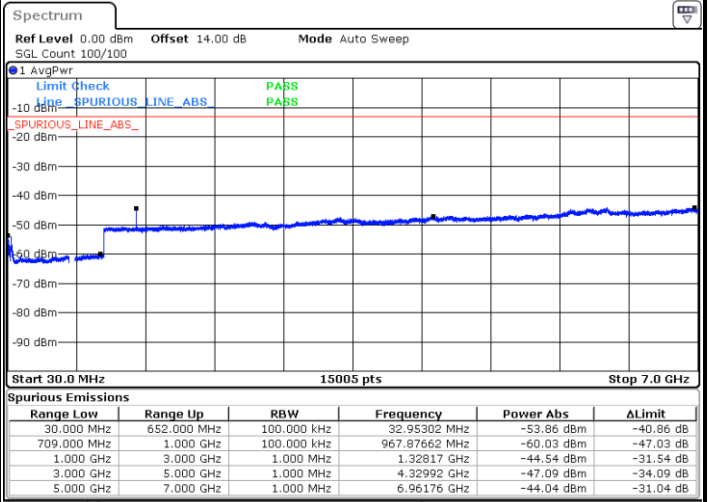
LTE Band 71 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



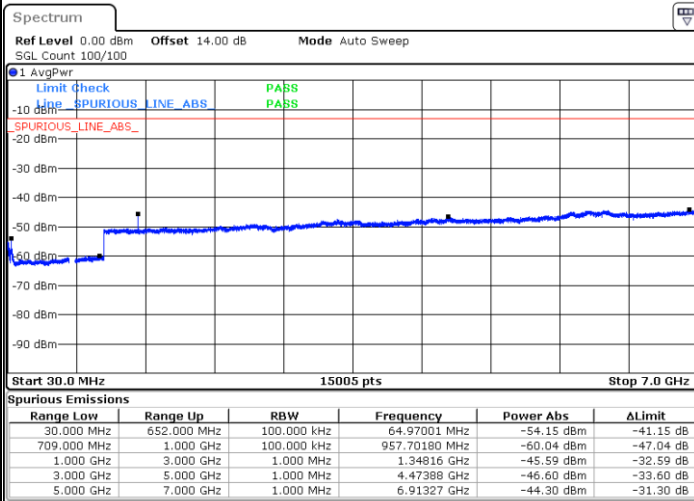
Date: 4.DEC.2022 16:32:12



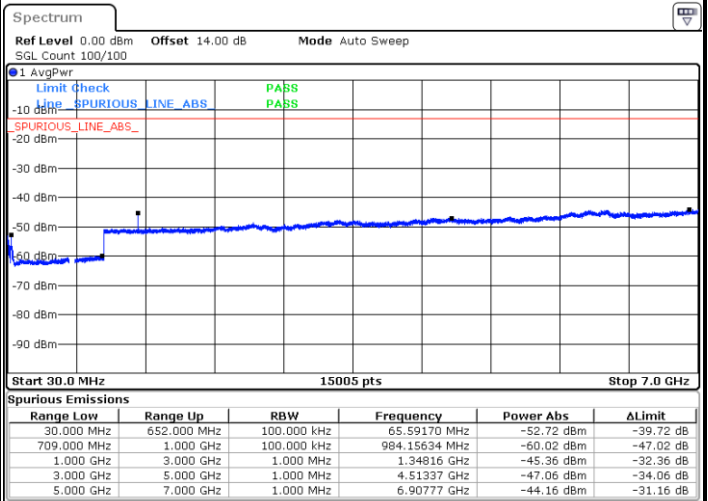
Date: 4.DEC.2022 16:33:09

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 4.DEC.2022 16:35:45

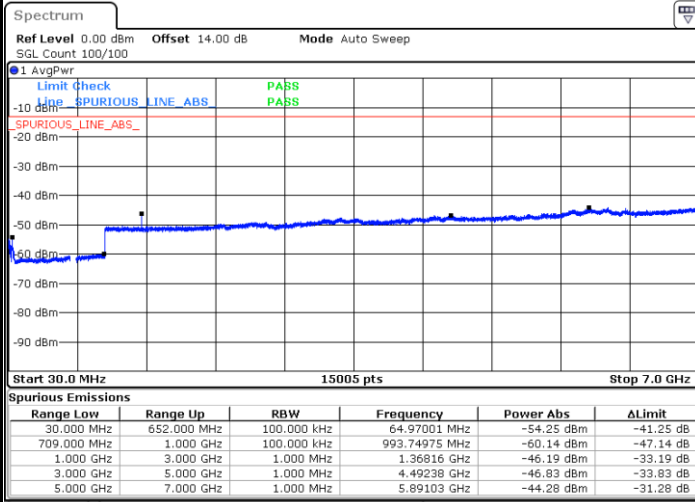


Date: 4.DEC.2022 16:36:41



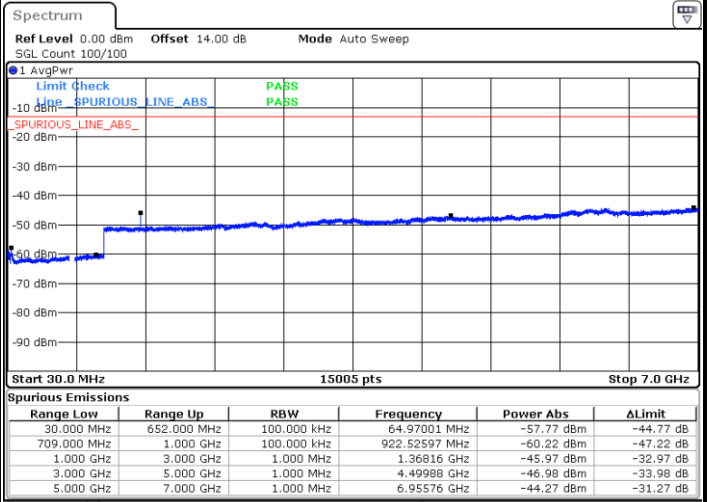
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 4.DEC.2022 16:43:32

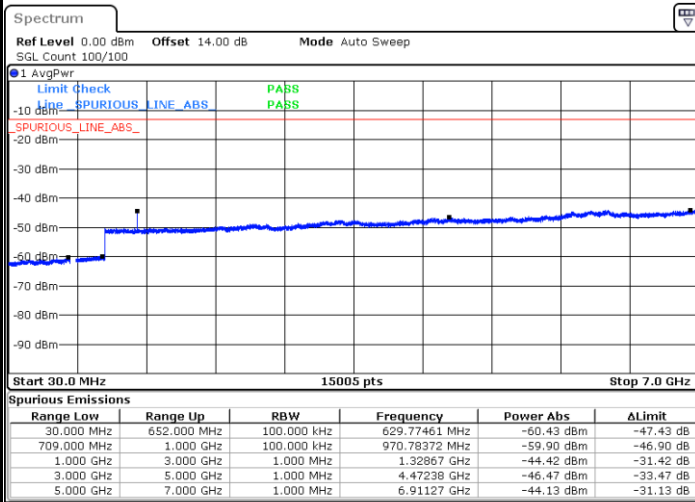
Highest Channel / 16QAM



Date: 4.DEC.2022 16:44:30

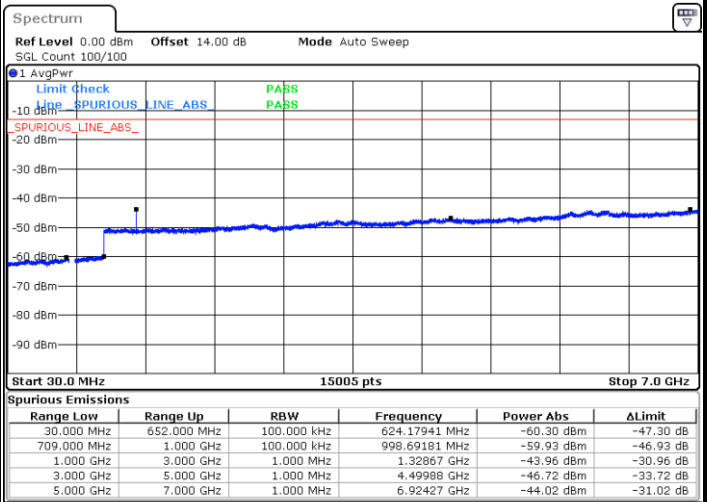
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 5.DEC.2022 08:42:40

Lowest Channel / 16QAM



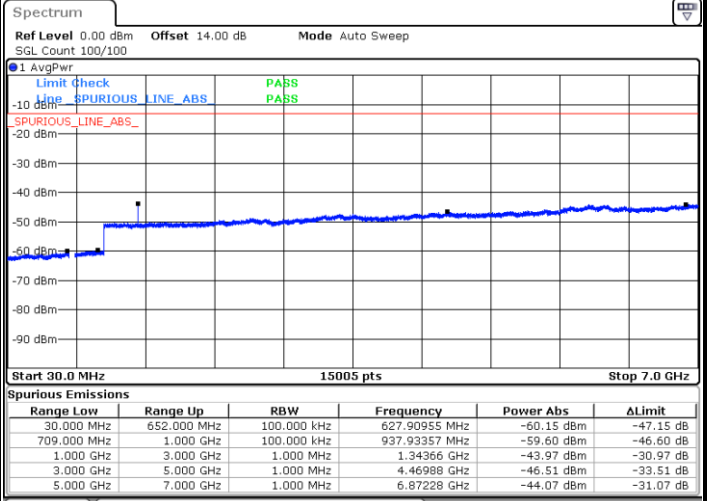
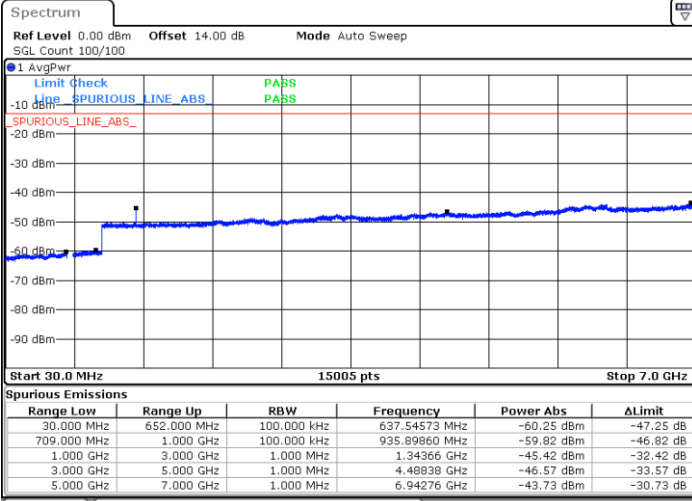
Date: 5.DEC.2022 08:43:37



LTE Band 71 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

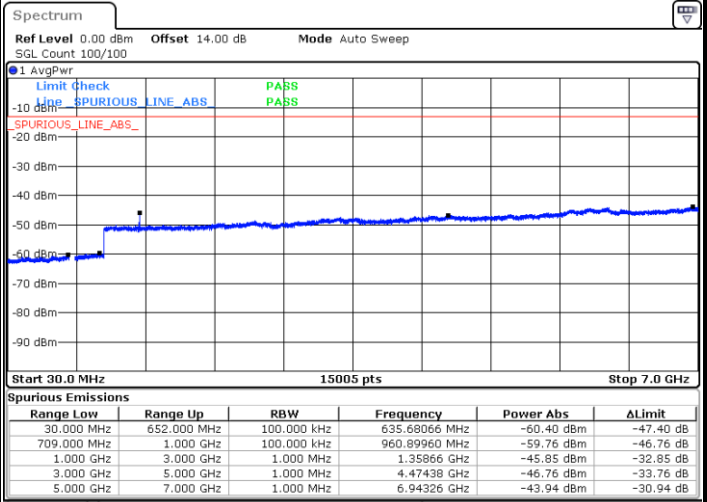
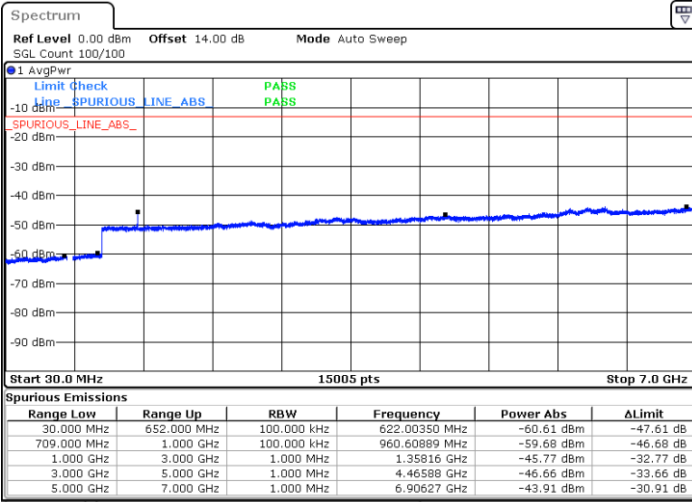


Date: 5. DEC. 2022 08:46:13

Date: 5. DEC. 2022 08:47:09

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 5. DEC. 2022 08:53:59

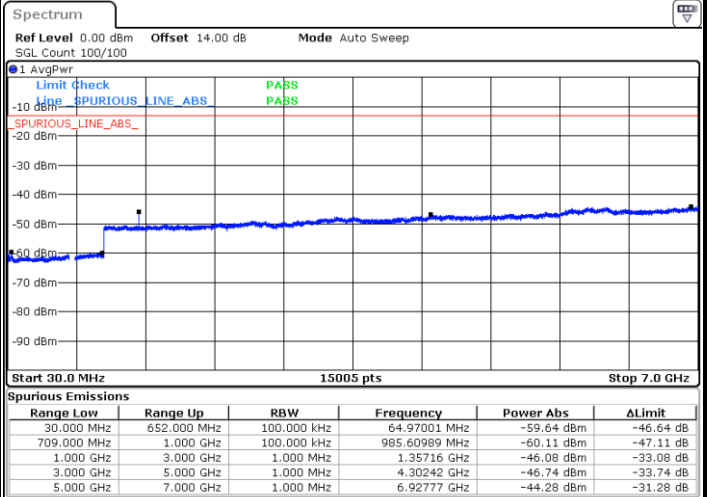
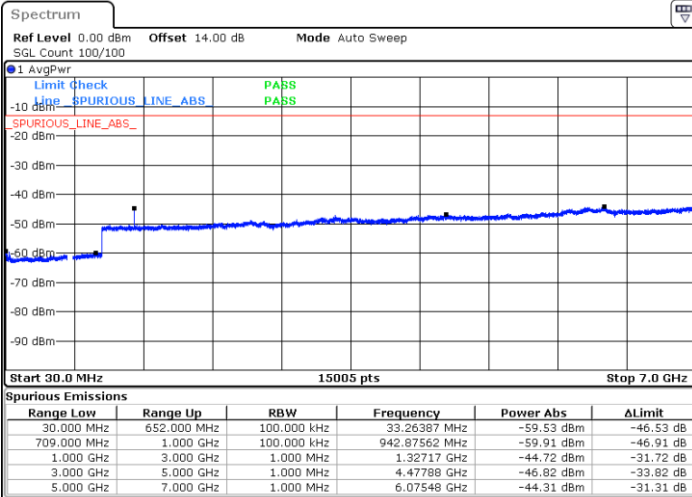
Date: 5. DEC. 2022 08:54:56



LTE Band 71 / 5MHz

Lowest Channel / 64QAM

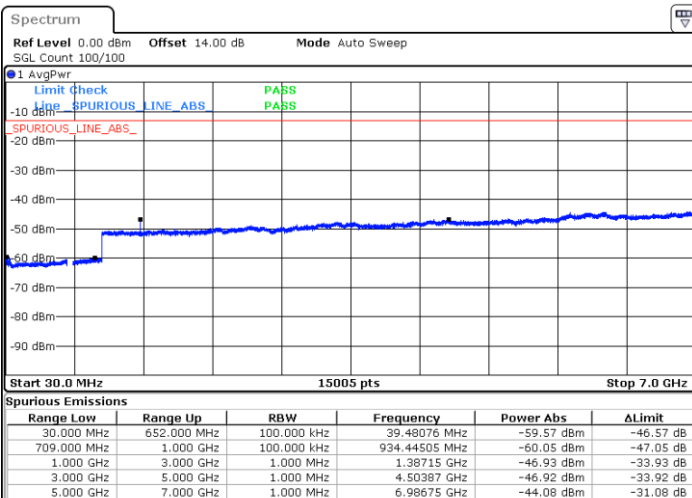
Middle Channel / 64QAM



Date: 4.DEC.2022 15:51:41

Date: 4.DEC.2022 15:53:18

Highest Channel / 64QAM



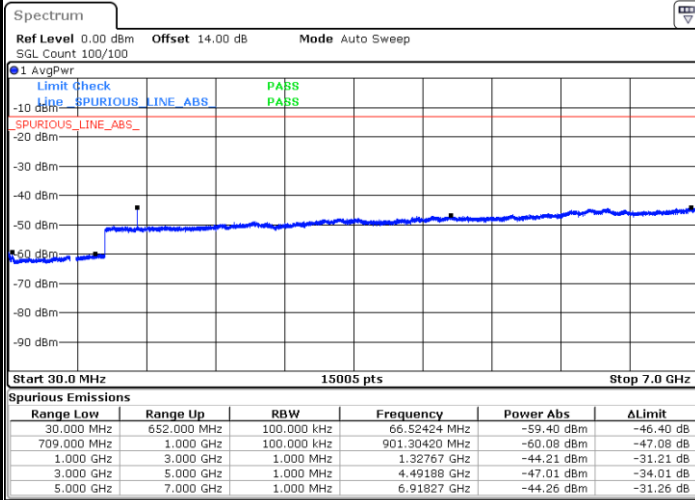
Date: 4.DEC.2022 15:57:02



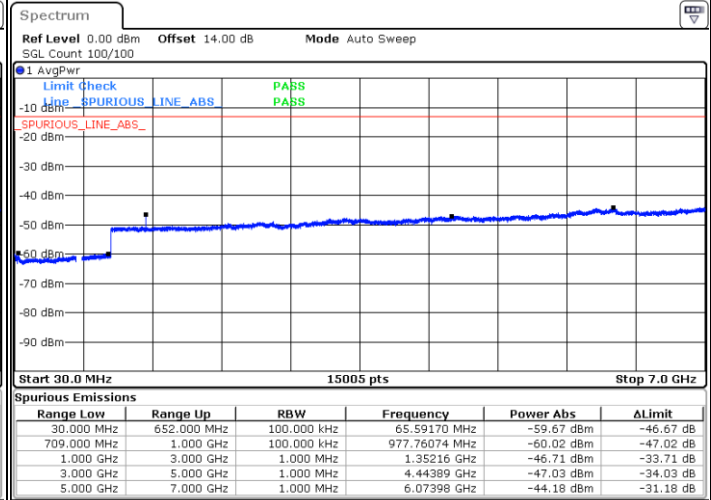
LTE Band 71 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

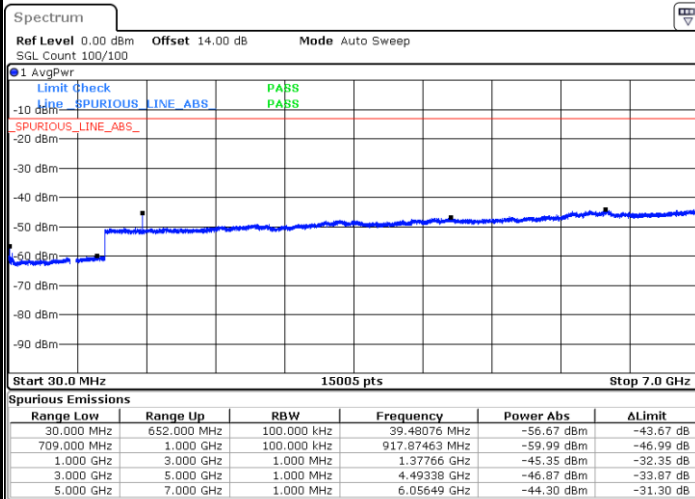


Date: 4.DEC.2022 16:19:56



Date: 4.DEC.2022 16:21:33

Highest Channel / 64QAM



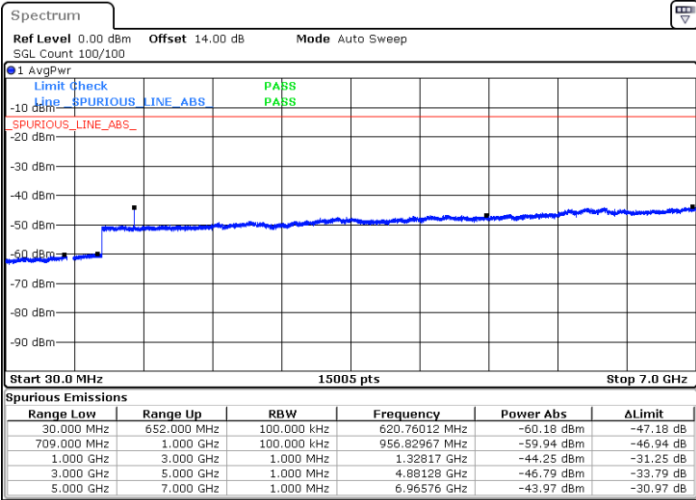
Date: 4.DEC.2022 16:25:19



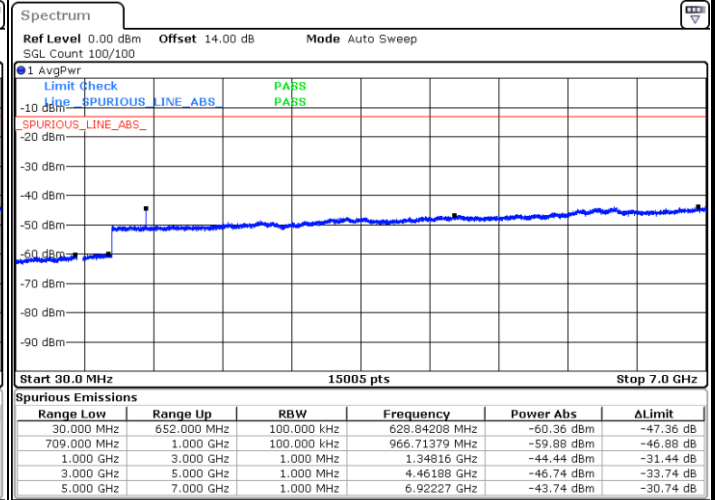
LTE Band 71 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

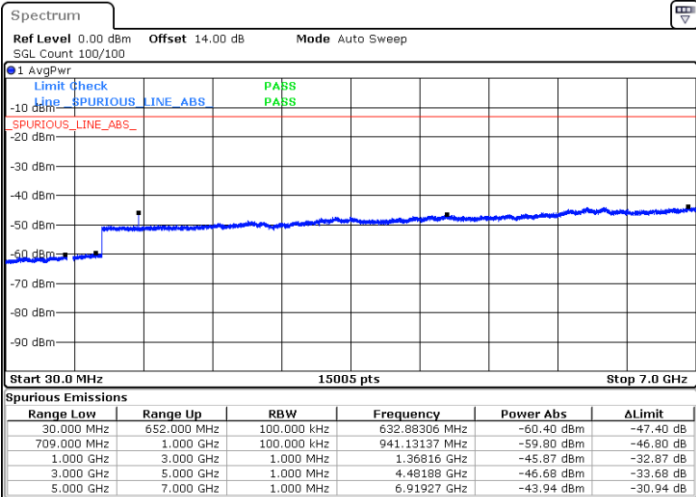


Date: 5. DEC. 2022 08:30:29



Date: 5. DEC. 2022 08:32:06

Highest Channel / 64QAM



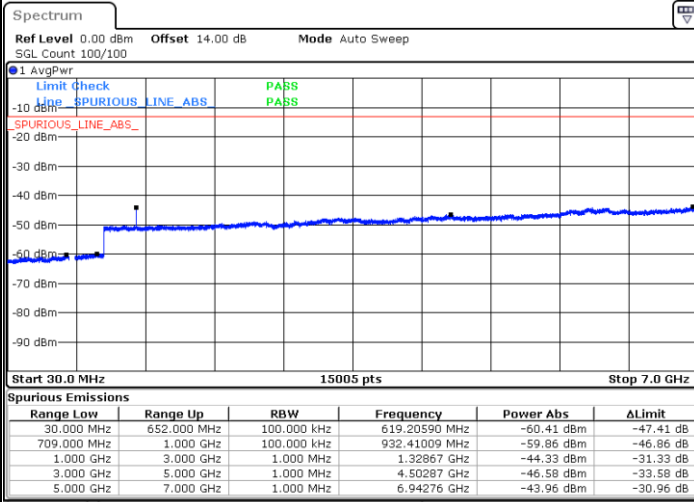
Date: 5. DEC. 2022 08:35:49



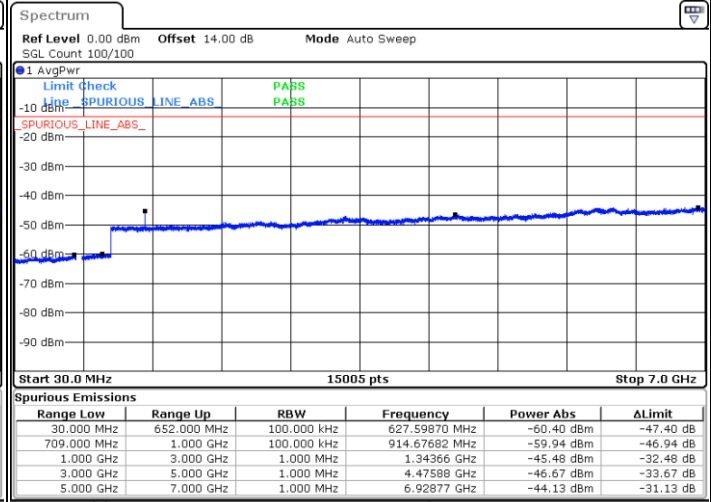
LTE Band 71 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

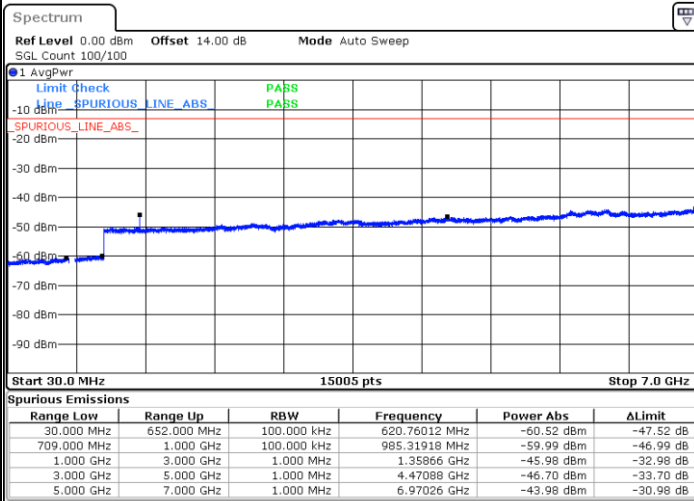


Date: 5.DEC.2022 08:58:41



Date: 5.DEC.2022 09:00:18

Highest Channel / 64QAM



Date: 5.DEC.2022 09:04:03



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	0.0016	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

- 3. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.48 V.
- 4. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Liang Ping Zhou	Temperature :	23~25°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

LTE Band 7 / 20MHz / QPSK / Ant.7									
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)
Lowest	5002.18	-58.72	-25	-33.72	-80.91	-64.28	7.12	12.68	H
	7503.27	-49.54	-25	-24.54	-76.90	-52.87	8.26	11.59	H
	10004.36	-49.23	-25	-24.23	-81.16	-50.76	10.45	11.98	H
	5002.18	-58.46	-25	-33.46	-80.7	-64.02	7.12	12.68	V
	7503.27	-50.28	-25	-25.28	-77.63	-53.61	8.26	11.59	V
	10004.36	-50.68	-25	-25.68	-80.98	-52.21	10.45	11.98	V
Middle	5052.18	-58.80	-25	-33.80	-80.87	-64.36	7.14	12.70	H
	7578.27	-49.76	-25	-24.76	-76.94	-53.06	8.30	11.60	H
	10104.36	-49.23	-25	-24.23	-81.14	-50.75	10.48	12.00	H
	5052.18	-58.67	-25	-33.67	-80.86	-64.23	7.14	12.70	V
	7578.27	-50.29	-25	-25.29	-77.43	-53.59	8.30	11.60	V
	10104.36	-50.49	-25	-25.49	-81	-52.01	10.48	12.00	V
Highest	5102.18	-59.01	-25	-34.01	-80.96	-64.57	7.16	12.72	H
	7653.27	-47.97	-25	-22.97	-75.19	-51.27	8.33	11.63	H
	10204.36	-48.85	-25	-23.85	-80.74	-50.45	10.50	12.10	H
	5102.18	-58.67	-25	-33.67	-80.8	-64.23	7.16	12.72	V
	7653.27	-49.97	-25	-24.97	-77.11	-53.27	8.33	11.63	V
	10204.36	-49.98	-25	-24.98	-80.66	-51.58	10.50	12.10	V

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



LTE Band 12 / 10MHz / QPSK / Ant.1									
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)
Lowest	1399	-65.00	-13	-52.00	-74.99	-68.23	3.98	9.36	H
	2098.5	-63.85	-13	-50.85	-76.61	-67.40	4.85	10.55	H
	2798	-62.52	-13	-49.52	-78.13	-67.45	5.50	12.58	H
	1399	-65.75	-13	-52.75	-75.31	-68.98	3.98	9.36	V
	2098.5	-63.79	-13	-50.79	-76.50	-67.34	4.85	10.55	V
	2798	-61.85	-13	-48.85	-77.65	-66.78	5.50	12.58	V
Middle	1406	-65.12	-13	-52.12	-75.24	-68.37	4.00	9.40	H
	2109	-64.45	-13	-51.45	-77.27	-68.02	4.88	10.60	H
	2812	-62.81	-13	-49.81	-78.43	-67.74	5.52	12.60	H
	1406	-65.90	-13	-52.90	-75.58	-69.15	4.00	9.40	V
	2109	-64.54	-13	-51.54	-77.31	-68.11	4.88	10.60	V
	2812	-62.69	-13	-49.69	-78.50	-67.62	5.52	12.60	V
Highest	1413	-64.79	-13	-51.79	-74.91	-67.96	4.10	9.42	H
	2119.5	-63.45	-13	-50.45	-76.58	-67.03	4.90	10.63	H
	2826	-62.28	-13	-49.28	-77.90	-67.20	5.55	12.62	H
	1413	-65.67	-13	-52.67	-75.35	-68.84	4.10	9.42	V
	2119.5	-63.53	-13	-50.53	-76.62	-67.11	4.90	10.63	V
	2826	-61.91	-13	-48.91	-77.72	-66.83	5.55	12.62	V

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



LTE Band 13 / 5MHz / QPSK / Ant.0									
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)
Lowest	1554.5	-64.98	-13	-51.98	-74.54	-68.21	3.98	9.36	H
	2331.75	-59.54	-13	-46.54	-74.27	-63.09	4.85	10.55	H
	3109	-61.50	-13	-48.50	-77.89	-66.43	5.50	12.58	H
	1554.5	-65.70	-13	-52.70	-75.34	-68.93	3.98	9.36	V
	2331.75	-61.70	-13	-48.70	-76.43	-65.25	4.85	10.55	V
	3109	-61.55	-13	-48.55	-78.00	-66.48	5.50	12.58	V
Middle	1559.5	-64.99	-42.15	-22.84	-74.55	-68.24	4.00	9.40	H
	2339.25	-59.85	-13	-46.85	-74.58	-63.42	4.88	10.60	H
	3119	-61.30	-13	-48.30	-77.81	-66.23	5.52	12.60	H
	1559.5	-65.97	-42.15	-23.82	-75.61	-69.22	4.00	9.40	V
	2339.25	-61.11	-13	-48.11	-75.84	-64.68	4.88	10.60	V
	3119	-61.42	-13	-48.42	-77.97	-66.35	5.52	12.60	V
Highest	1564.5	-64.72	-42.15	-22.57	-74.28	-67.89	4.10	9.42	H
	2346.75	-59.75	-13	-46.75	-74.48	-63.33	4.90	10.63	H
	3129	-61.56	-13	-48.56	-78.07	-66.48	5.55	12.62	H
	1564.5	-65.10	-42.15	-22.95	-74.74	-68.27	4.10	9.42	V
	2346.75	-60.25	-13	-47.25	-74.98	-63.83	4.90	10.63	V
	3129	-61.16	-13	-48.16	-77.71	-66.08	5.55	12.62	V

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

LTE Band 13 / 10MHz / QPSK / Ant.0									
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	1559.5	-65.66	-42.15	-23.51	-75.22	-68.91	4.00	9.40	H
	2339.25	-62.79	-13	-49.79	-77.52	-66.36	4.88	10.60	H
	3119	-61.31	-13	-48.31	-77.82	-66.24	5.52	12.60	H
	1559.5	-65.90	-42.15	-23.75	-75.54	-69.15	4.00	9.40	V
	2339.25	-62.50	-13	-49.50	-77.23	-66.07	4.88	10.60	V
	3119	-61.43	-13	-48.43	-77.98	-66.36	5.52	12.60	V

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



LTE Band 41 / 20MHz / QPSK / Ant.7									
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)
Lowest	4994.18	-58.70	-25	-33.70	-80.89	-64.26	7.12	12.68	H
	7491.27	-50.77	-25	-25.77	-78.17	-54.10	8.26	11.59	H
	9988.36	-49.13	-25	-24.13	-81.06	-50.66	10.45	11.98	H
	4994.18	-58.61	-25	-33.61	-80.85	-64.17	7.12	12.68	V
	7491.27	-50.76	-25	-25.76	-78.15	-54.09	8.26	11.59	V
	9988.36	-50.84	-25	-25.84	-81.1	-52.37	10.45	11.98	V
Middle	5168.18	-59.31	-25	-34.31	-81.10	-64.87	7.14	12.70	H
	7752.27	-48.83	-25	-23.83	-76.21	-52.13	8.30	11.60	H
	10336.36	-48.87	-25	-23.87	-80.74	-50.39	10.48	12.00	H
	5168.18	-59.29	-25	-34.29	-81.35	-64.85	7.14	12.70	V
	7752.27	-51.52	-25	-26.52	-78.75	-54.82	8.30	11.60	V
	10336.36	-49.68	-25	-24.68	-80.64	-51.20	10.48	12.00	V
Highest	5342.18	-60.85	-25	-35.85	-82.40	-66.41	7.16	12.72	H
	8013.27	-50.99	-25	-25.99	-79.99	-54.29	8.33	11.63	H
	10684.36	-48.19	-25	-23.19	-80.36	-49.79	10.50	12.10	H
	5342.18	-60.78	-25	-35.78	-82.48	-66.34	7.16	12.72	V
	8013.27	-51.36	-25	-26.36	-80.08	-54.66	8.33	11.63	V
	10684.36	-48.86	-25	-23.86	-80.58	-50.46	10.50	12.10	V

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



LTE Band 71 / 20MHz / QPSK / Ant.1									
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)
Lowest	1328	-66.18	-13	-53.18	-75.33	-69.41	3.98	9.36	H
	1992	-66.42	-13	-53.42	-77.08	-69.97	4.85	10.55	H
	2656	-63.43	-13	-50.43	-78.32	-68.36	5.50	12.58	H
	1328	-66.59	-13	-53.59	-75.38	-69.82	3.98	9.36	V
	1992	-66.33	-13	-53.33	-76.84	-69.88	4.85	10.55	V
	2656	-63.35	-13	-50.35	-78.21	-68.28	5.50	12.58	V
Middle	1343	-66.16	-13	-53.16	-75.44	-69.41	4.00	9.40	H
	2014.5	-66.29	-13	-53.29	-77.33	-69.86	4.88	10.60	H
	2686	-63.19	-13	-50.19	-78.24	-68.12	5.52	12.60	H
	1343	-66.48	-13	-53.48	-75.39	-69.73	4.00	9.40	V
	2014.5	-66.40	-13	-53.40	-77.33	-69.97	4.88	10.60	V
	2686	-62.81	-13	-49.81	-77.88	-67.74	5.52	12.60	V
Highest	1358	-65.91	-13	-52.91	-75.42	-69.08	4.10	9.42	H
	2037	-65.58	-13	-52.58	-76.99	-69.16	4.90	10.63	H
	2716	-63.15	-13	-50.15	-78.37	-68.07	5.55	12.62	H
	1358	-66.50	-13	-53.50	-75.62	-69.67	4.10	9.42	V
	2037	-65.35	-13	-52.35	-76.66	-68.93	4.90	10.63	V
	2716	-63.21	-13	-50.21	-78.49	-68.13	5.55	12.62	V

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



LTE Band 7C_CA / 20MHz+20MHz / QPSK / ANT7									
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)
Lowest	5039.80	-58.05	-25	-33.05	-108.14	-63.61	7.12	12.68	H
	7559.70	-54.79	-25	-29.79	-110.75	-58.12	8.26	11.59	H
	10079.60	-52.46	-25	-27.46	-112.75	-53.99	10.45	11.98	H
	5039.80	-56.87	-25	-31.87	-106.89	-62.43	7.12	12.68	V
	7559.70	-55.01	-25	-30.01	-110.8	-58.34	8.26	11.59	V
	10079.60	-51.76	-25	-26.76	-111.53	-53.29	10.45	11.98	V
Middle	5070.00	-57.72	-25	-32.72	-107.83	-63.28	7.14	12.70	H
	7605.00	-55.39	-25	-30.39	-111.25	-58.69	8.30	11.60	H
	10140.00	-52.08	-25	-27.08	-112.33	-53.60	10.48	12.00	H
	5070.00	-56.86	-25	-31.86	-106.9	-62.42	7.14	12.70	V
	7605.00	-54.79	-25	-29.79	-110.43	-58.09	8.30	11.60	V
	10140.00	-50.73	-25	-25.73	-110.53	-52.25	10.48	12.00	V
Highest	5100.20	-57.57	-25	-32.57	-107.70	-63.13	7.16	12.72	H
	7650.30	-55.18	-25	-30.18	-111.15	-58.48	8.33	11.63	H
	10200.40	-52.48	-25	-27.48	-112.70	-54.08	10.50	12.10	H
	5100.20	-56.95	-25	-31.95	-107.01	-62.51	7.16	12.72	V
	7650.30	-54.05	-25	-29.05	-109.86	-57.35	8.33	11.63	V
	10200.40	-50.98	-25	-25.98	-110.82	-52.58	10.50	12.10	V

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



LTE Band 41C_CA / 20MHz+20MHz / QPSK / ANT7									
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)
Lowest	5039.80	-58.30	-25	-33.30	-82.28	-63.86	7.12	12.68	H
	7559.70	-55.16	-25	-30.16	-81.92	-58.49	8.26	11.59	H
	10079.60	-52.77	-25	-27.77	-83.67	-54.30	10.45	11.98	H
	5039.80	-57.02	-25	-32.02	-82.33	-62.58	7.12	12.68	V
	7559.70	-55.19	-25	-30.19	-81.94	-58.52	8.26	11.59	V
	10079.60	-51.62	-25	-26.62	-83.39	-53.15	10.45	11.98	V
Middle	5168.18	-57.26	-25	-32.26	-81.93	-62.82	7.14	12.70	H
	7752.27	-55.30	-25	-30.30	-81.53	-58.60	8.30	11.60	H
	10336.36	-52.47	-25	-27.47	-83.66	-53.99	10.48	12.00	H
	5168.18	-56.89	-25	-31.89	-82.06	-62.45	7.14	12.70	V
	7752.27	-52.01	-25	-27.01	-81.33	-55.31	8.30	11.60	V
	10336.36	-50.71	-25	-25.71	-83.65	-52.23	10.48	12.00	V
Highest	5342.18	-57.37	-25	-32.37	-82.54	-62.93	7.16	12.72	H
	8013.27	-55.09	-25	-30.09	-82.07	-58.39	8.33	11.63	H
	10684.36	-51.14	-25	-26.14	-83.37	-52.74	10.50	12.10	H
	5342.18	-57.54	-25	-32.54	-82.23	-63.10	7.16	12.72	V
	8013.27	-52.62	-25	-27.62	-81.89	-55.92	8.33	11.63	V
	10684.36	-48.62	-25	-23.62	-83.34	-50.22	10.50	12.10	V

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