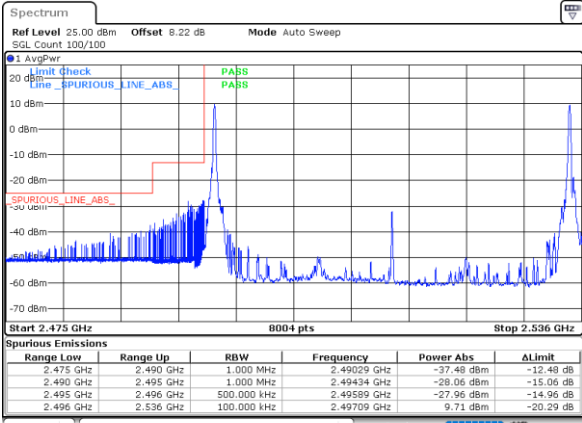




LTE Band 41C / 20MHz+20MHz

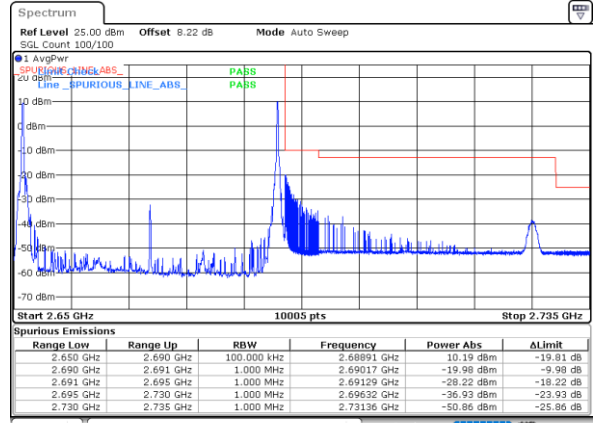
QPSK

Lowest Band Edge / 1RB0 and 1RB99



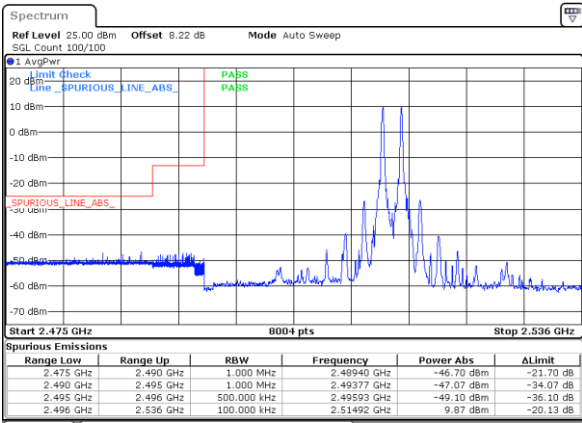
Date: 29_DEC.2022 09:27:59

Highest Band Edge / 1RB0 and 1RB99



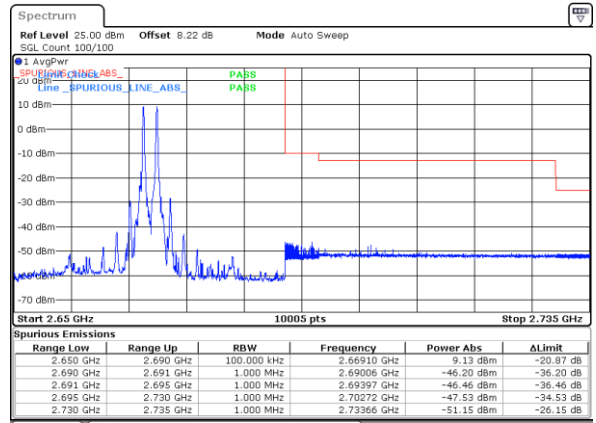
Date: 29_DEC.2022 09:38:36

Lowest Band Edge / 1RB99 and 1RB0



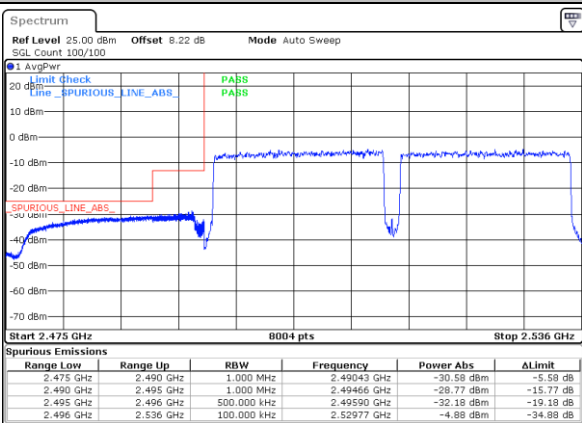
Date: 29_DEC.2022 09:25:28

Highest Band Edge / 1RB99 and 1RB0



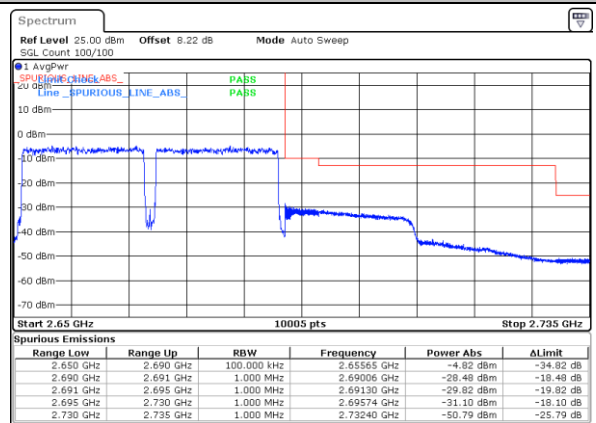
Date: 29_DEC.2022 09:36:06

Lowest Band Edge / Full RB



Date: 29_DEC.2022 09:30:30

Highest Band Edge / Full RB



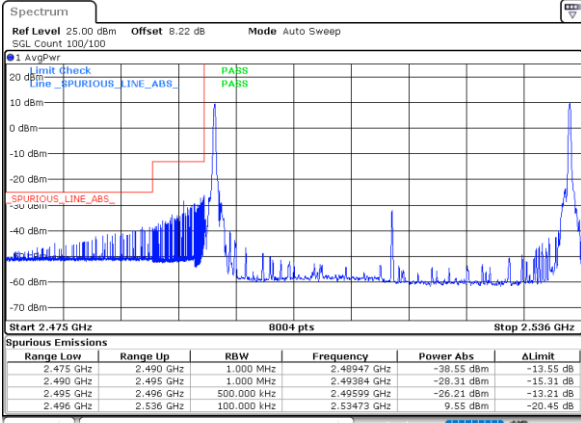
Date: 29_DEC.2022 09:41:06



LTE Band 41C / 20MHz+20MHz

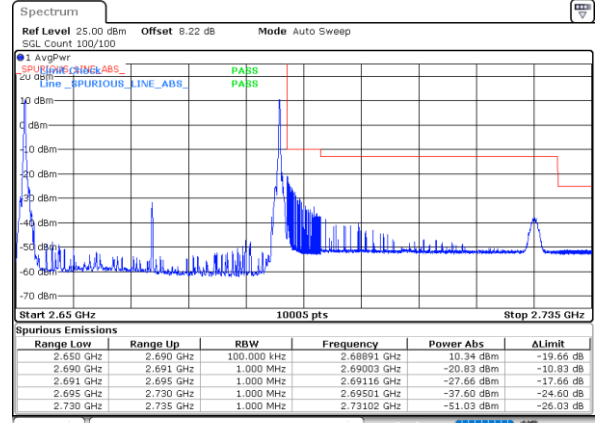
16QAM

Lowest Band Edge / 1RB0 and 1RB9



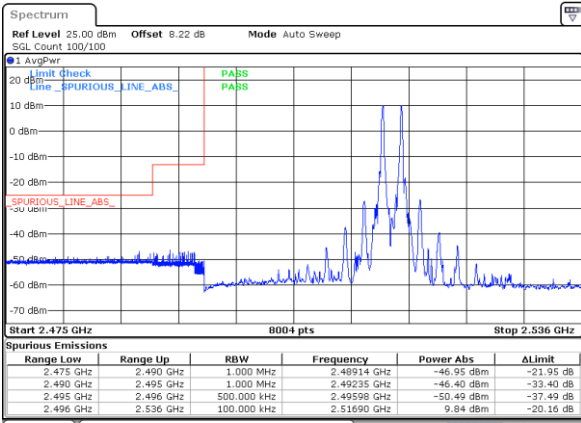
Date: 29_DEC.2022 09:28:37

Highest Band Edge / 1RB0 and 1RB9



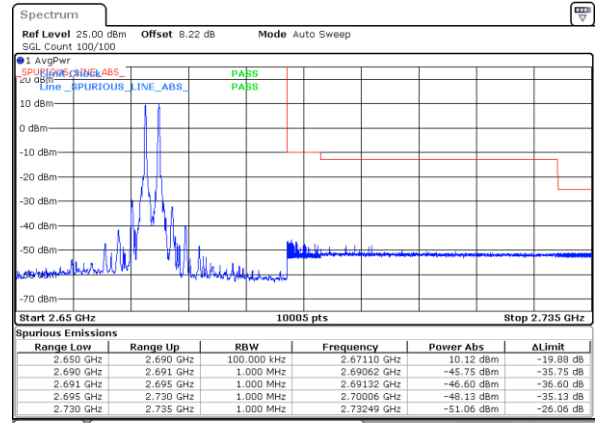
Date: 29_DEC.2022 09:39:13

Lowest Band Edge / 1RB99 and 1RB0



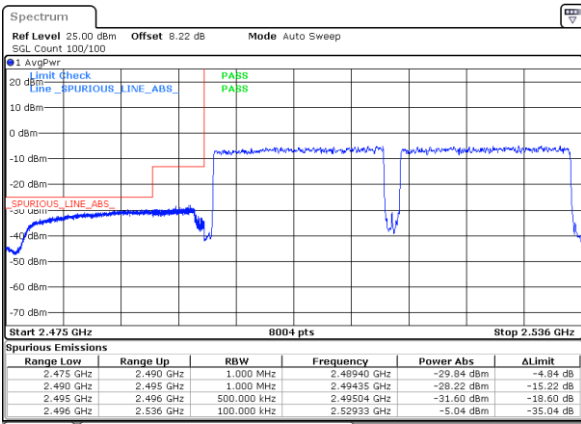
Date: 29_DEC.2022 09:26:05

Highest Band Edge / 1RB99 and 1RB0



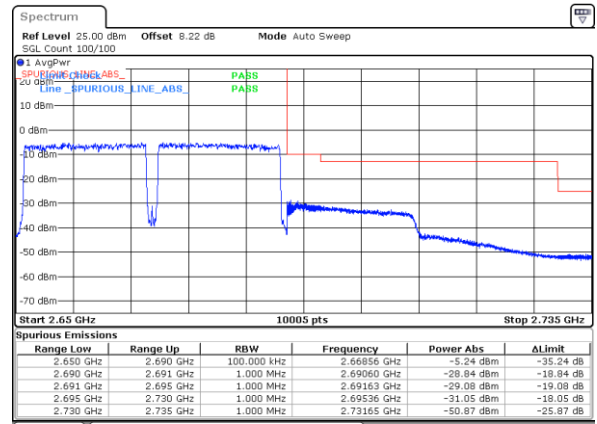
Date: 29_DEC.2022 09:36:44

Lowest Band Edge / Full RB



Date: 29_DEC.2022 09:31:08

Highest Band Edge / Full RB



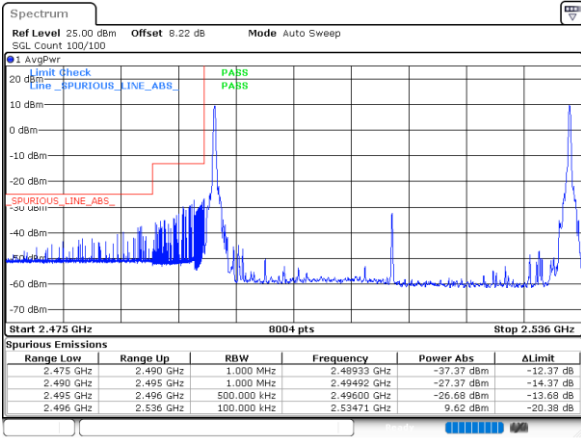
Date: 29_DEC.2022 09:41:44



LTE Band 41C / 20MHz+20MHz

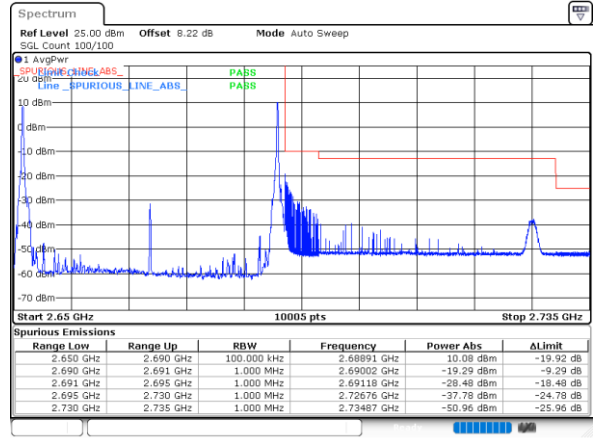
64QAM

Lowest Band Edge / 1RB0 and 1RB9



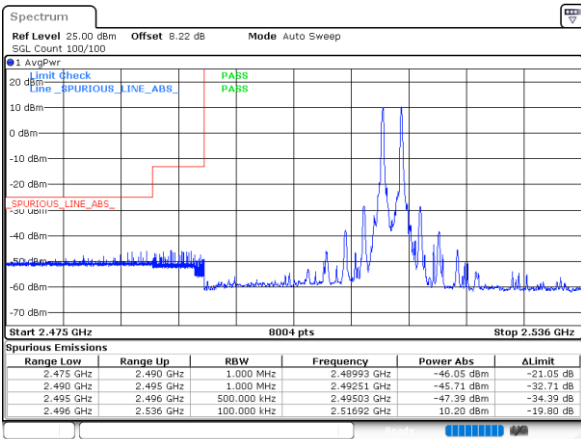
Date: 29_DEC.2022 09:29:14

Highest Band Edge / 1RB0 and 1RB9



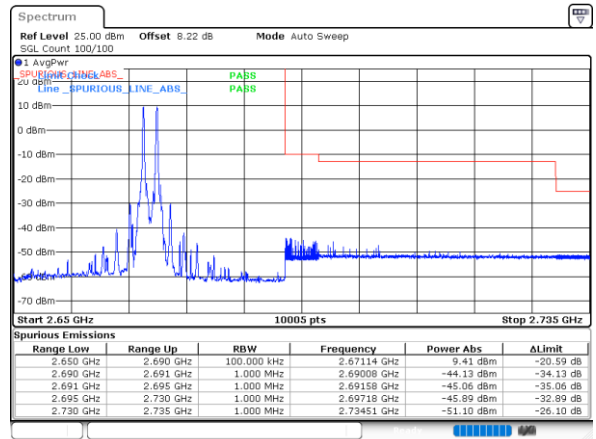
Date: 29_DEC.2022 09:39:50

Lowest Band Edge / 1RB99 and 1RB0



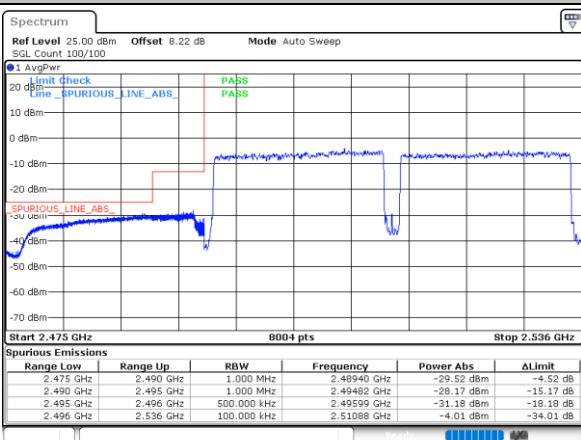
Date: 29_DEC.2022 09:26:43

Highest Band Edge / 1RB99 and 1RB0



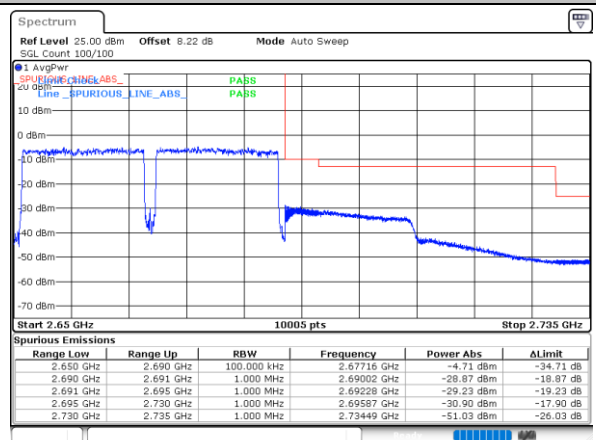
Date: 29_DEC.2022 09:37:22

Lowest Band Edge / Full RB



Date: 29_DEC.2022 09:31:45

Highest Band Edge / Full RB



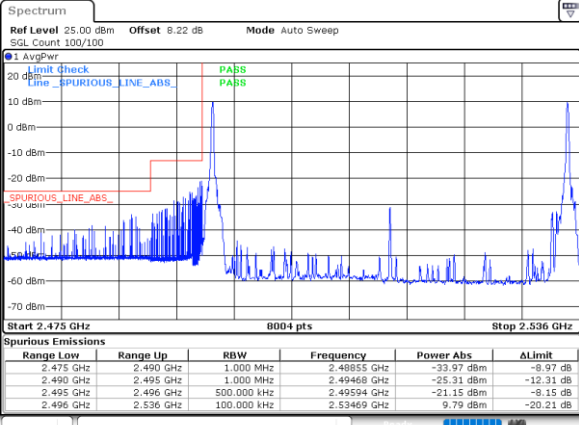
Date: 29_DEC.2022 09:42:21



LTE Band 41C / 20MHz+20MHz

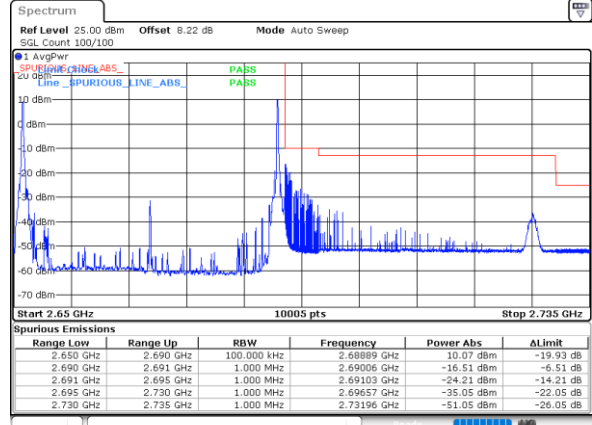
256QAM

Lowest Band Edge / 1RB0 and 1RB9



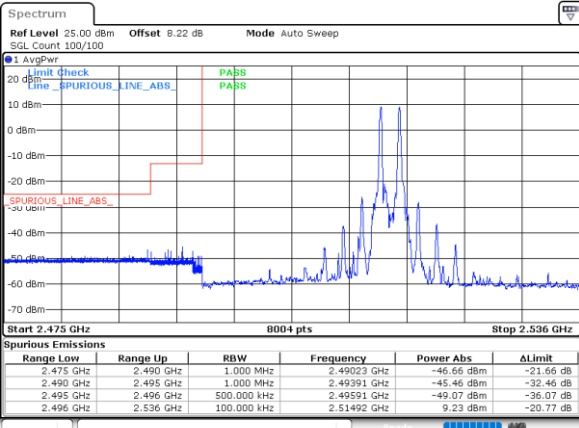
Date: 29_DEC.2022 09:29:52

Highest Band Edge / 1RB0 and 1RB9



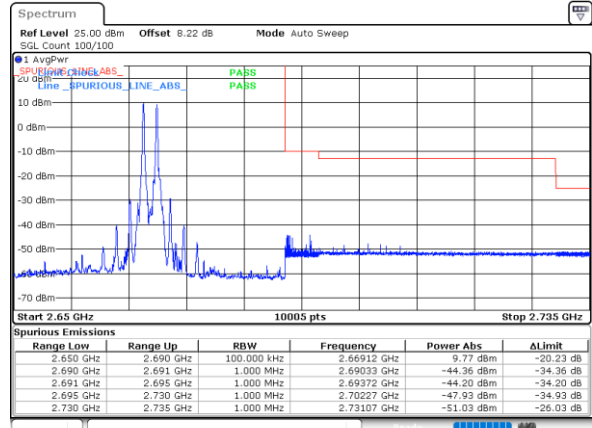
Date: 29_DEC.2022 09:40:28

Lowest Band Edge / 1RB99 and 1RB0



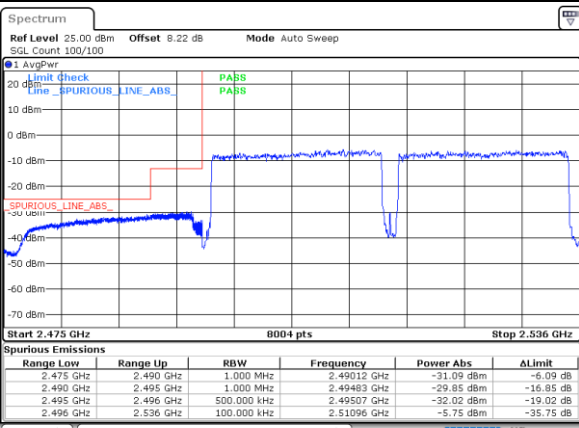
Date: 29_DEC.2022 09:27:21

Highest Band Edge / 1RB99 and 1RB0



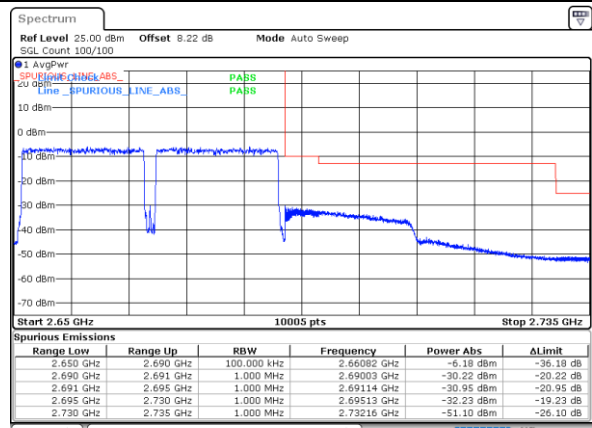
Date: 29_DEC.2022 09:37:59

Lowest Band Edge / Full RB



Date: 29_DEC.2022 09:32:23

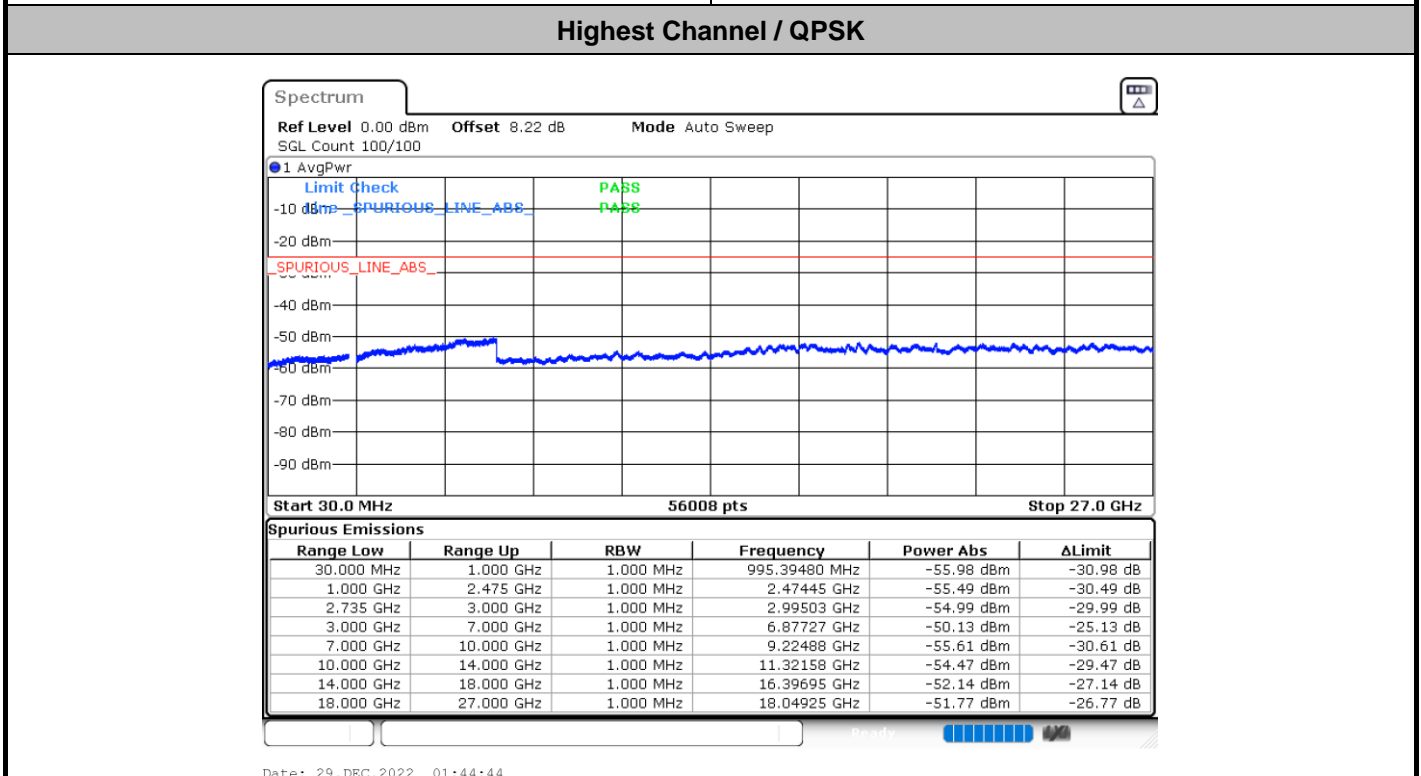
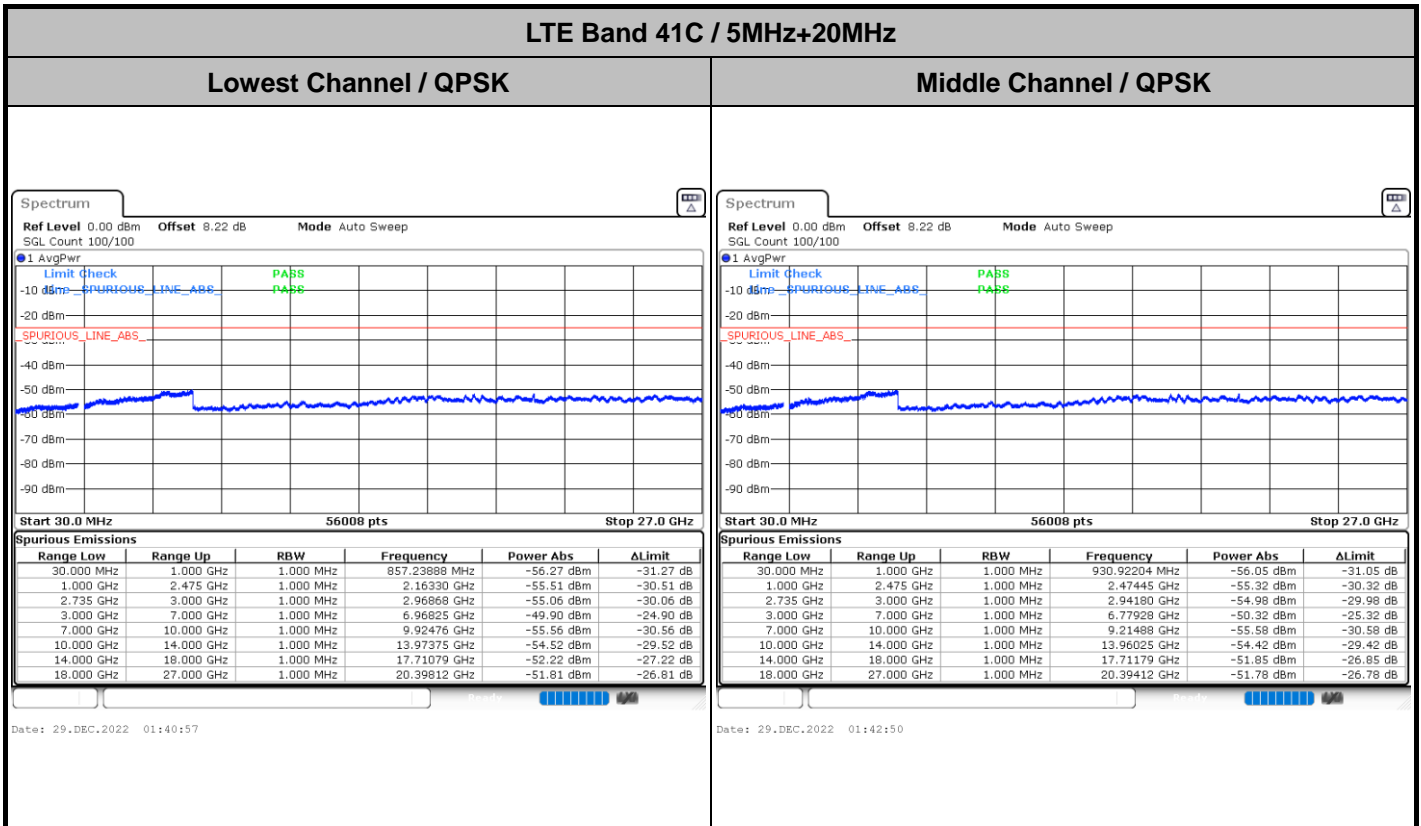
Highest Band Edge / Full RB



Date: 29_DEC.2022 09:42:58



Conducted Spurious Emission

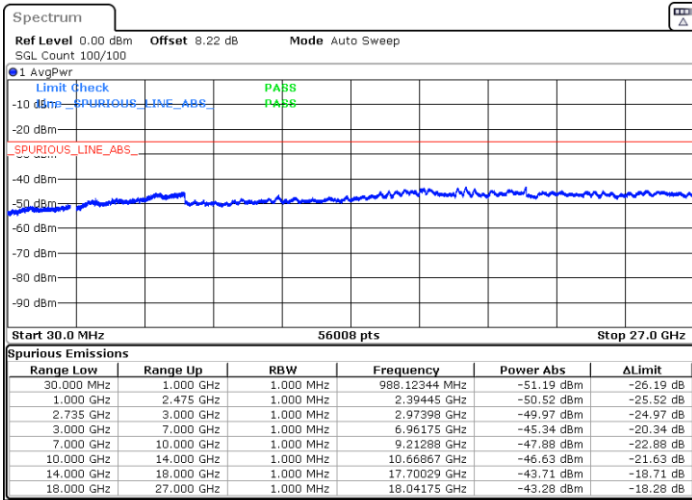




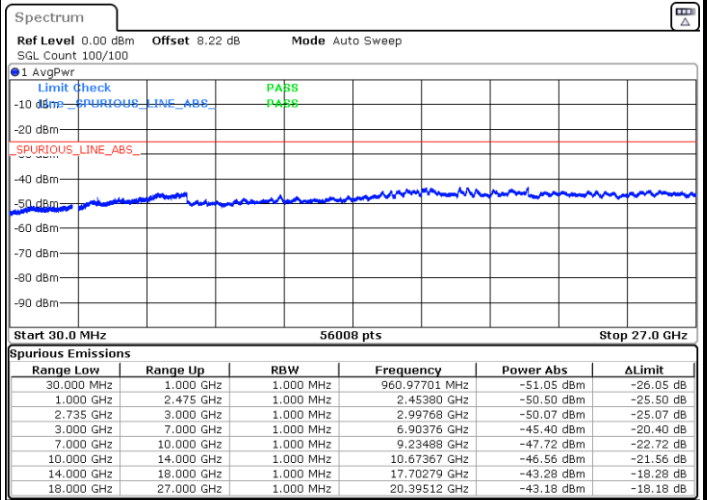
LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

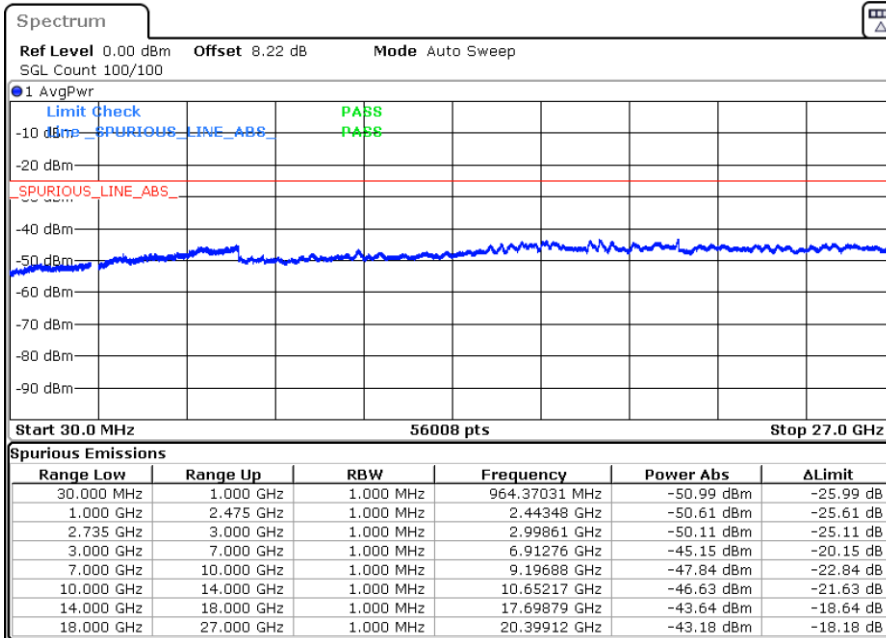


Date: 29. DEC. 2022 01:46:42



Date: 29. DEC. 2022 01:48:33

Highest Channel / QPSK



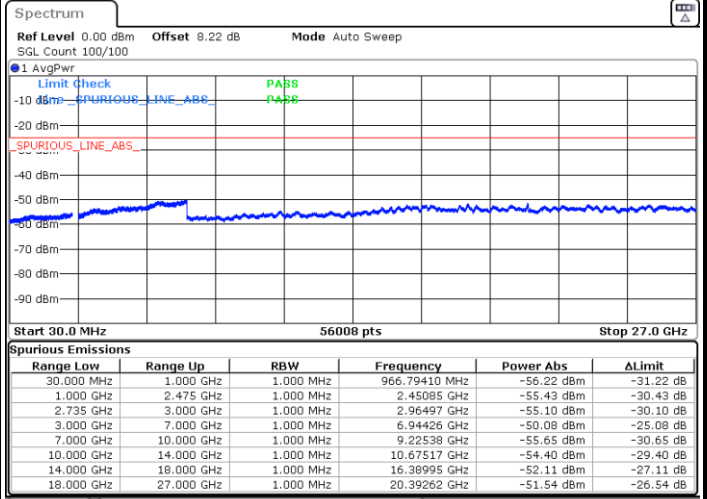
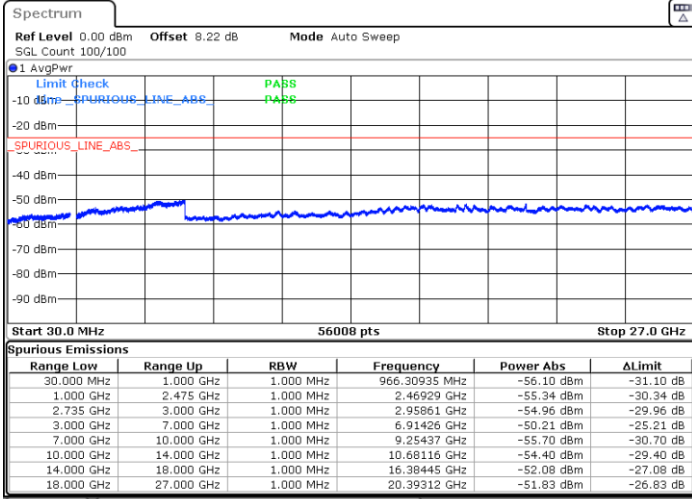
Date: 29. DEC. 2022 01:50:18



LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

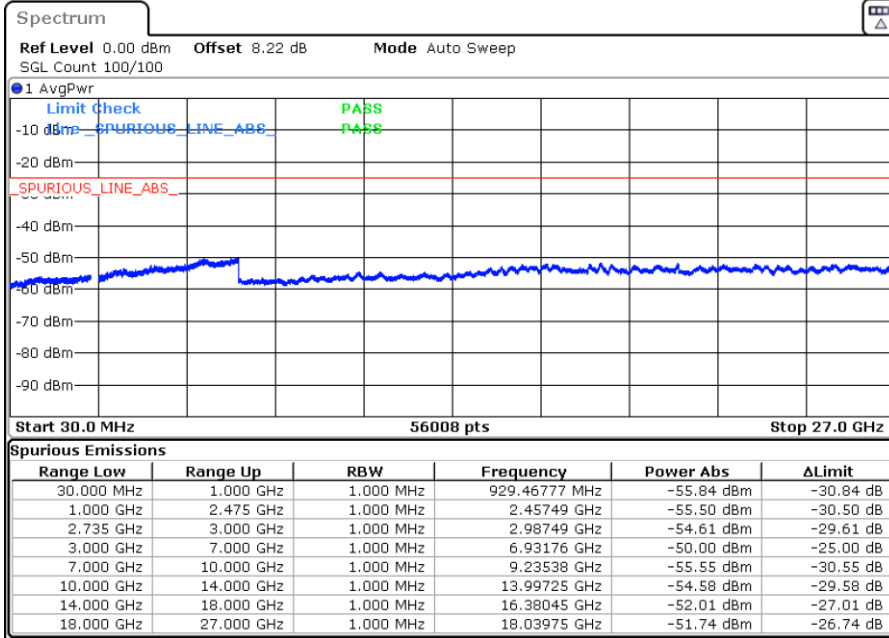
Middle Channel / QPSK



Date: 29. DEC. 2022 02:52:22

Date: 29. DEC. 2022 02:54:24

Highest Channel / QPSK



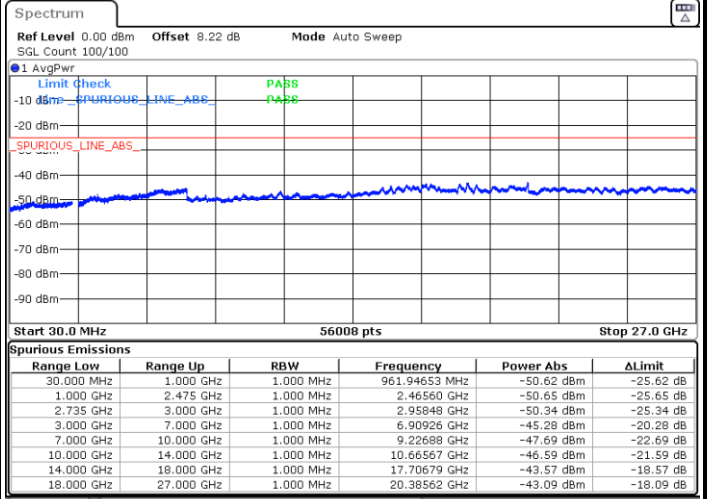
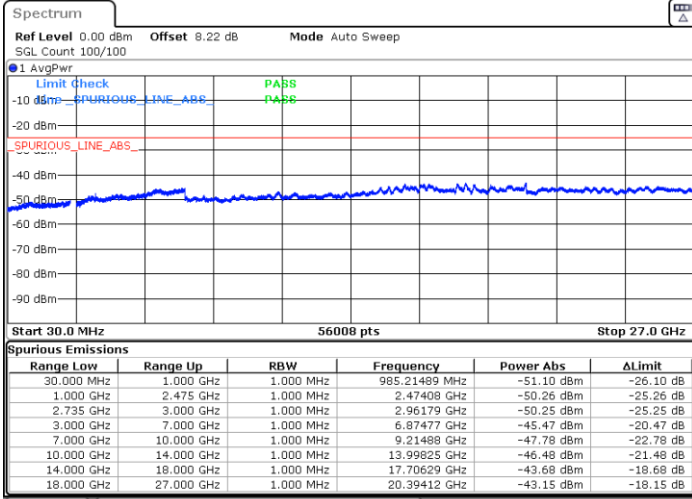
Date: 29. DEC. 2022 02:56:08



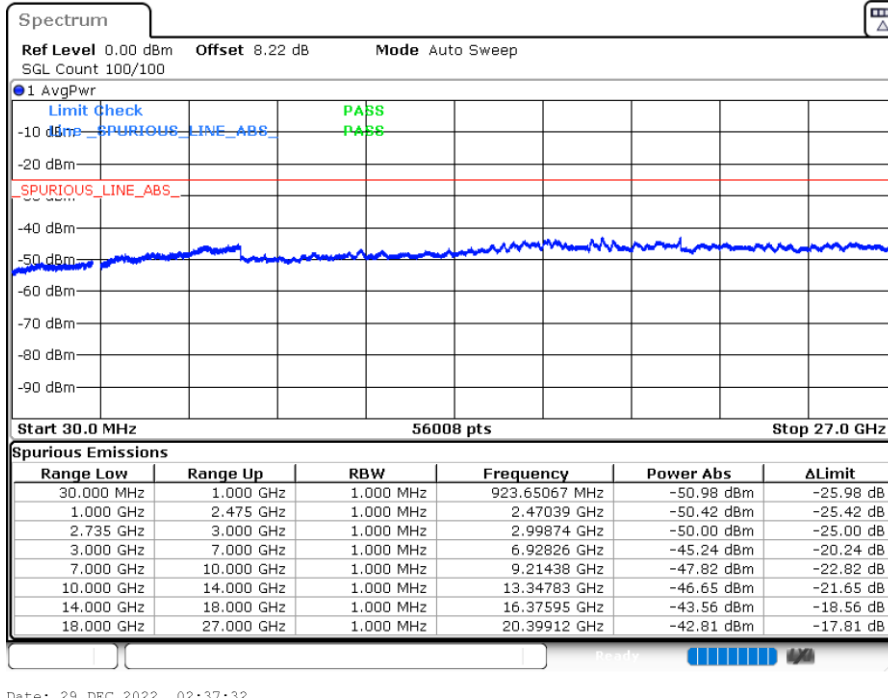
LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

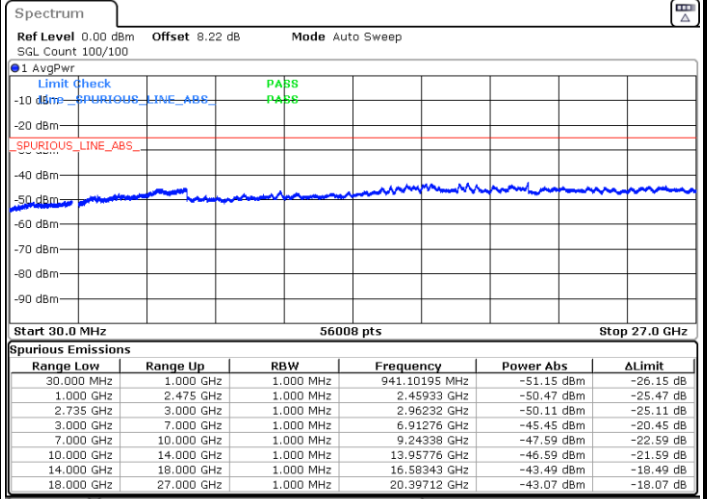
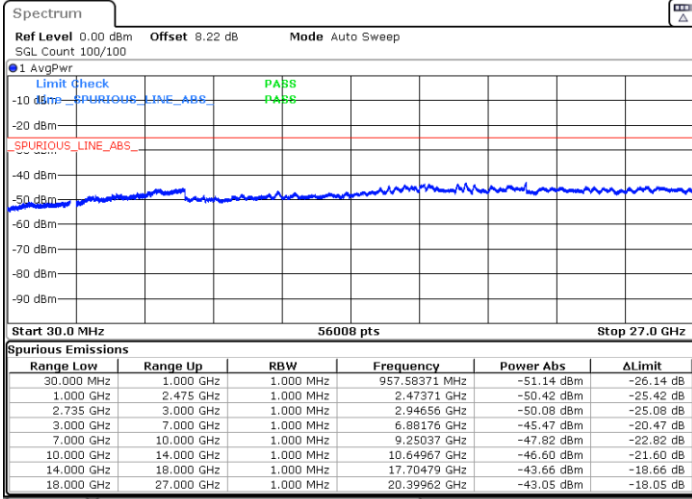




LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

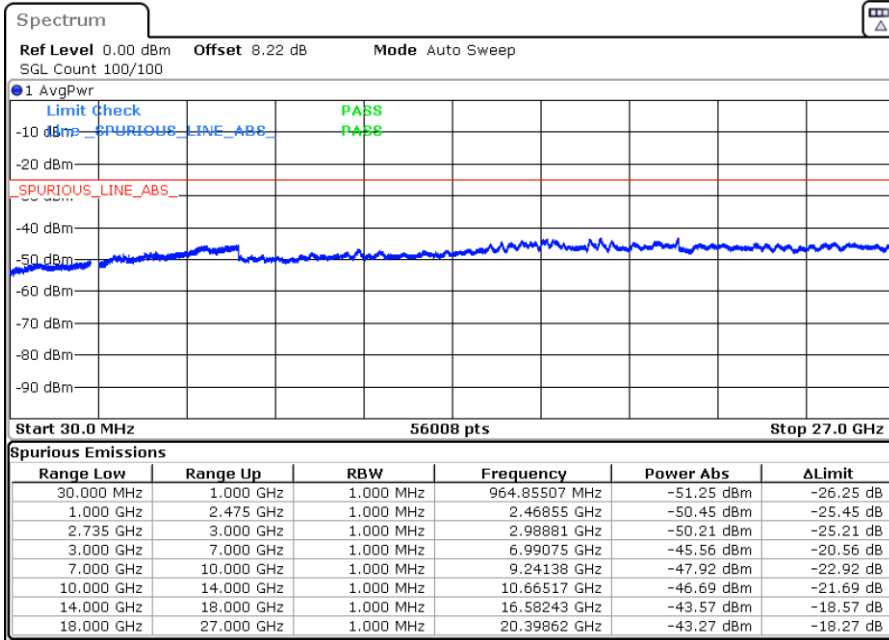
Middle Channel / QPSK



Date: 29. DEC. 2022 03:48:14

Date: 29. DEC. 2022 03:49:54

Highest Channel / QPSK



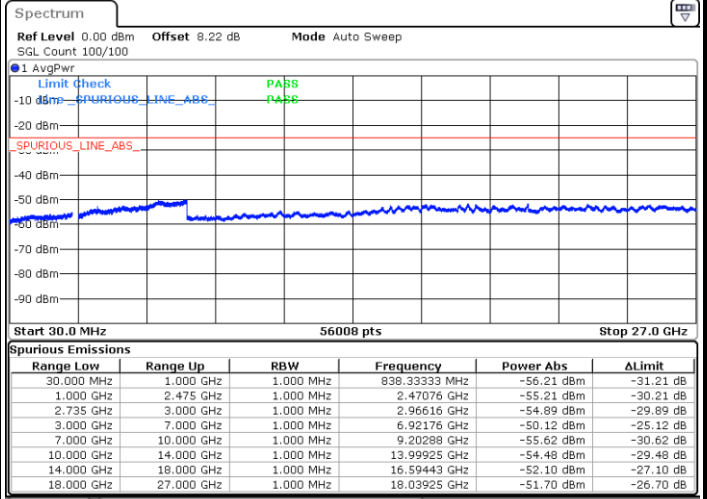
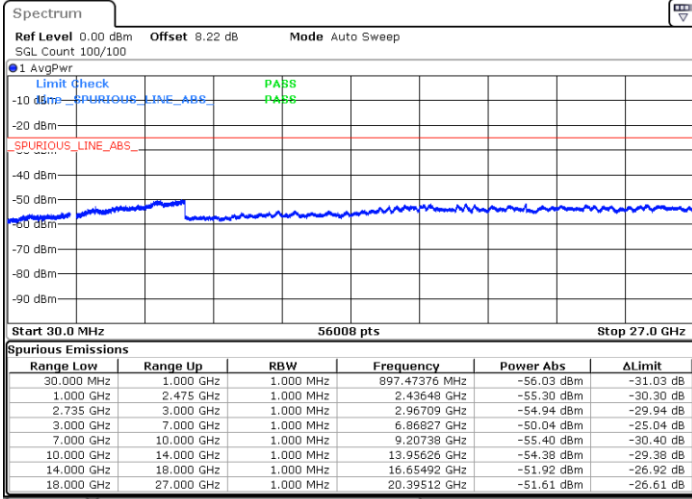
Date: 29. DEC. 2022 03:51:39



LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

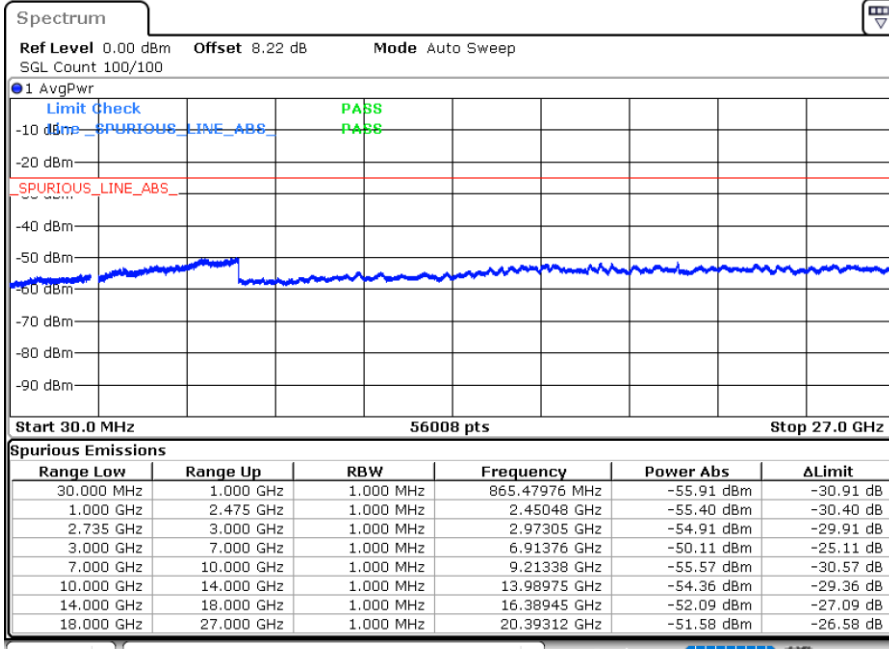
Middle Channel / QPSK



Date: 29. DEC. 2022 08:35:29

Date: 29. DEC. 2022 08:44:32

Highest Channel / QPSK



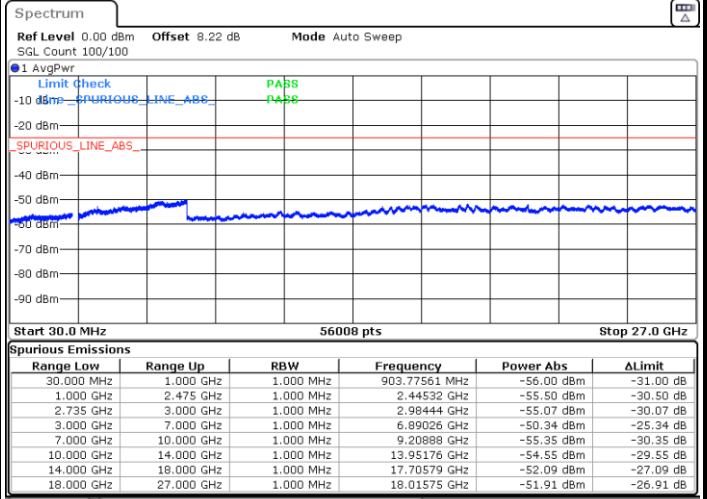
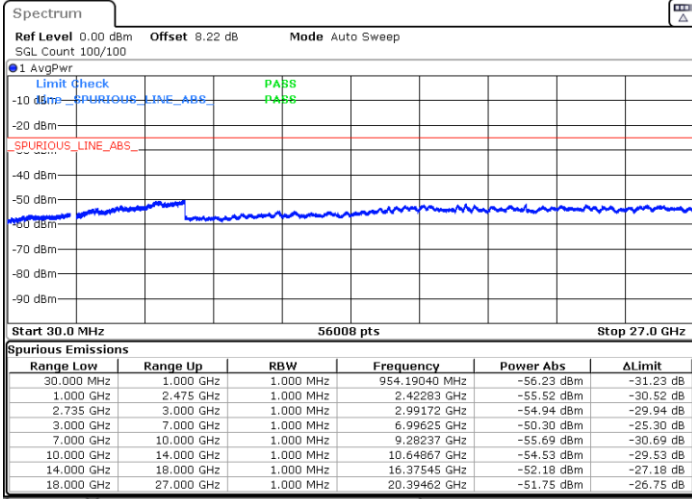
Date: 29. DEC. 2022 08:46:04



LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

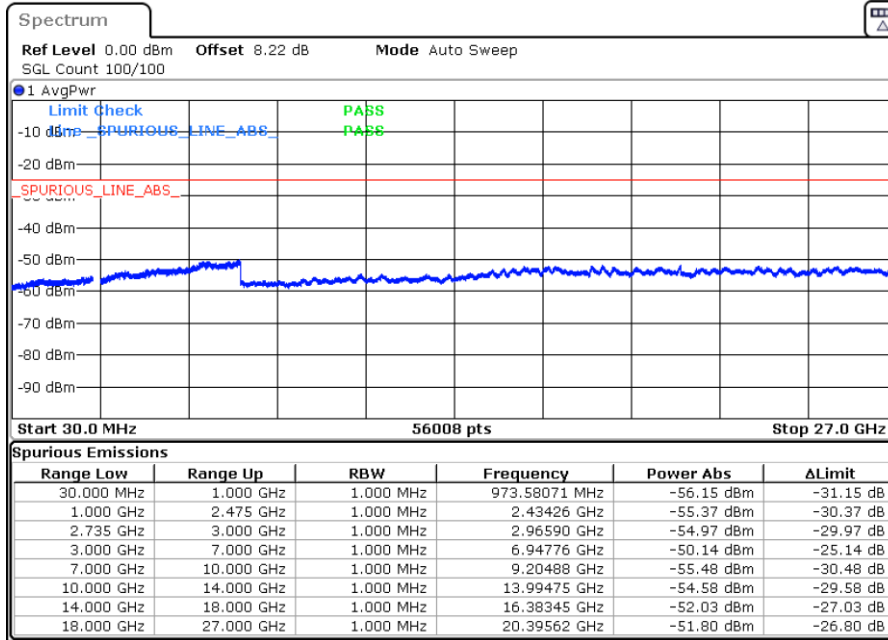
Middle Channel / QPSK



Date: 29. DEC. 2022 01:39:00

Date: 29. DEC. 2022 01:37:20

Highest Channel / QPSK



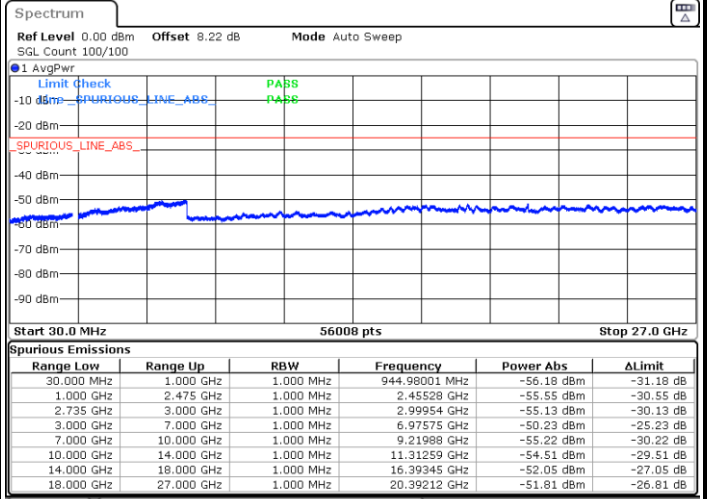
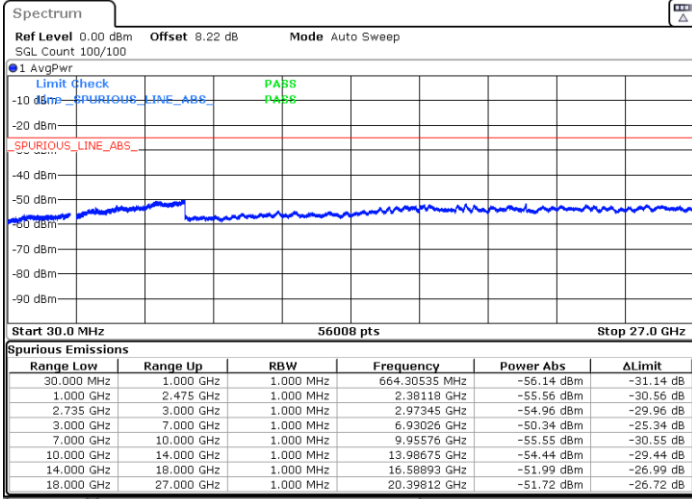
Date: 29. DEC. 2022 01:32:07



LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

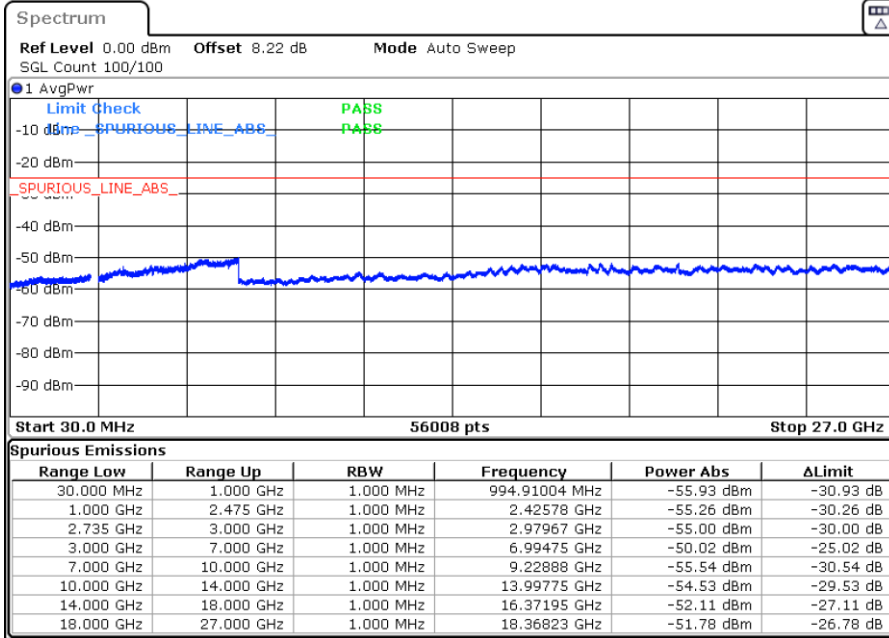
Middle Channel / QPSK



Date: 29. DEC. 2022 03:29:10

Date: 29. DEC. 2022 03:25:34

Highest Channel / QPSK



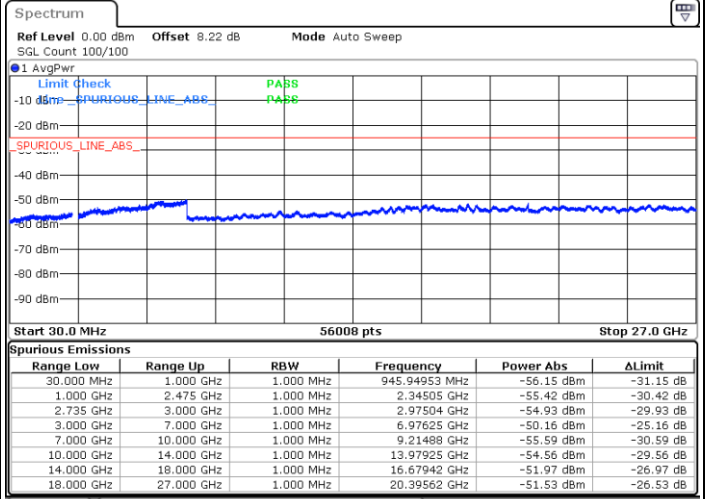
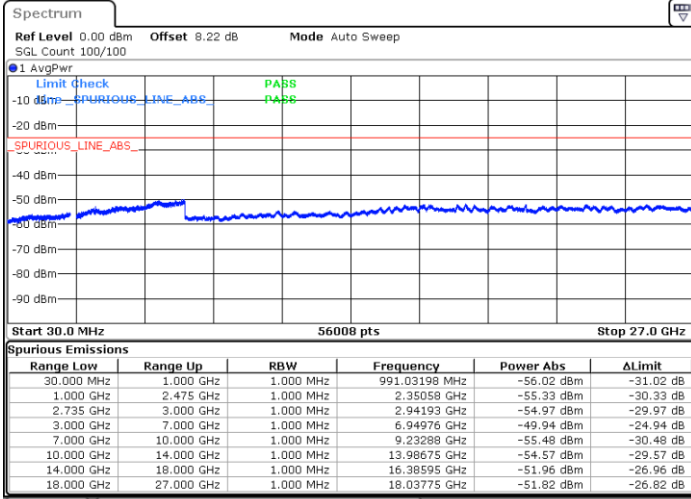
Date: 29. DEC. 2022 03:27:14



LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

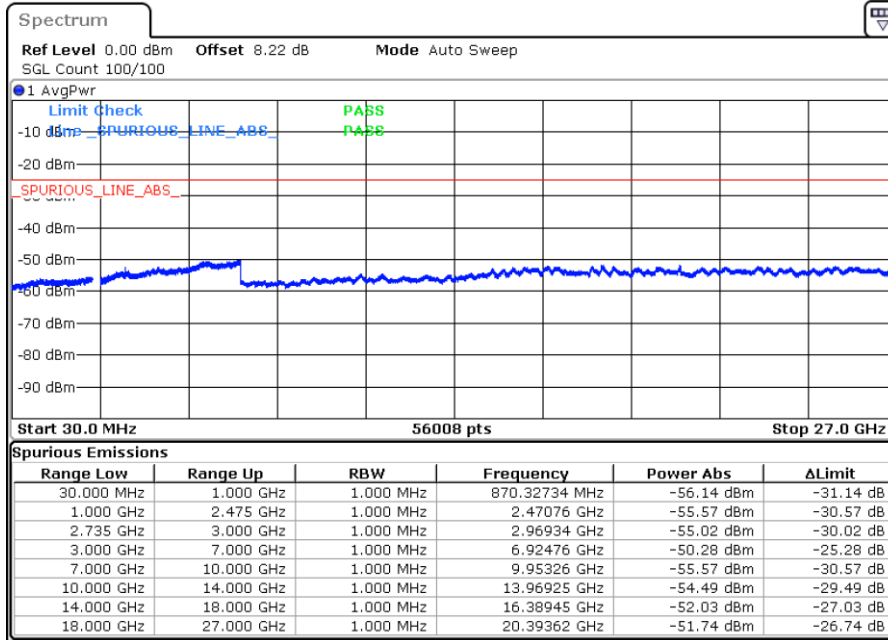
Middle Channel / QPSK



Date: 29. DEC. 2022 09:00:13

Date: 29. DEC. 2022 09:09:17

Highest Channel / QPSK



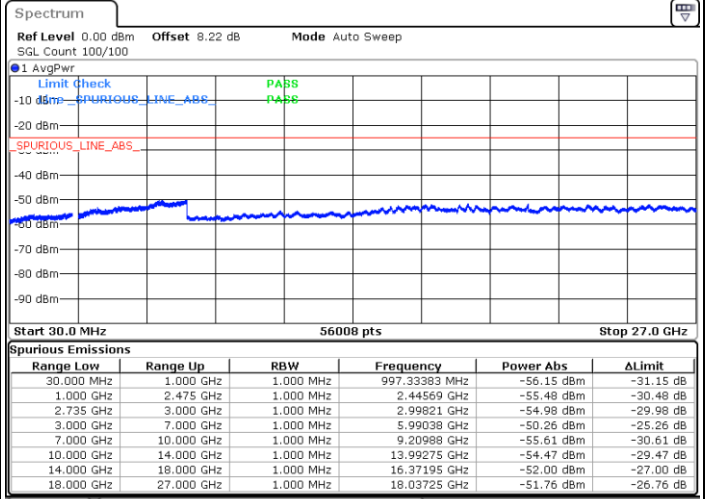
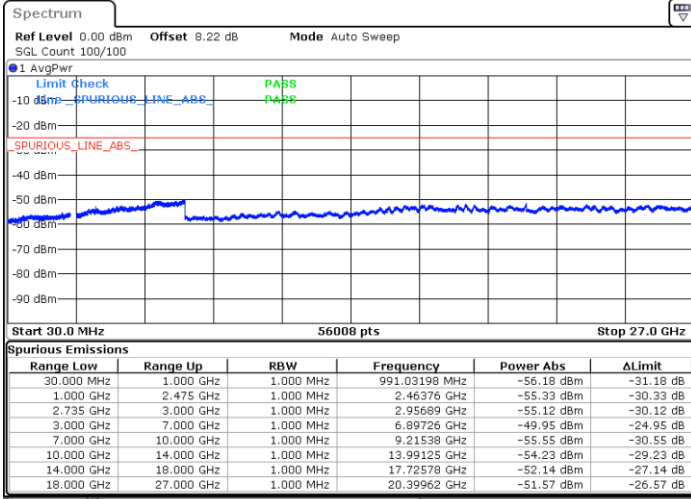
Date: 29. DEC. 2022 09:10:50



LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

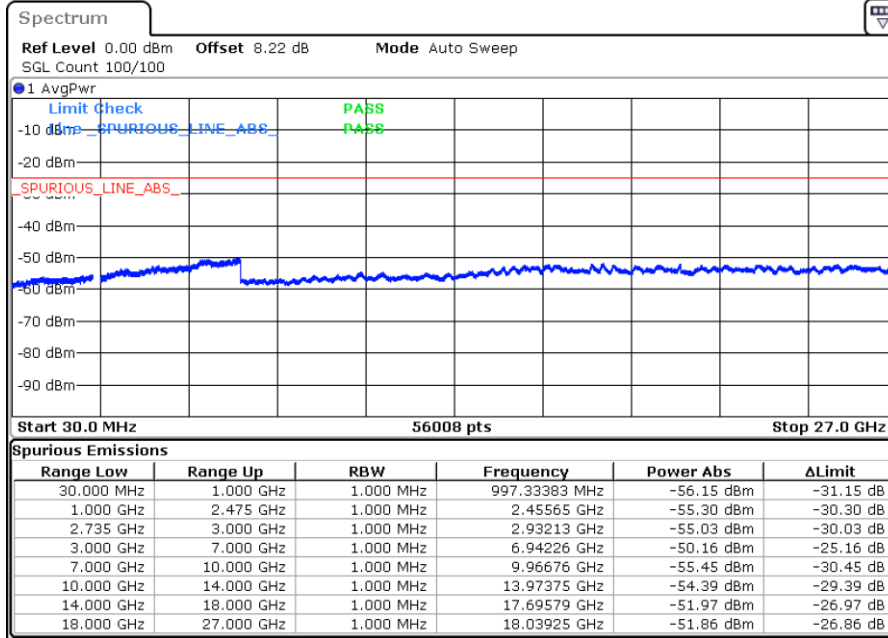
Middle Channel / QPSK



Date: 29. DEC. 2022 09:24:50

Date: 29. DEC. 2022 09:33:56

Highest Channel / QPSK



Date: 29. DEC. 2022 09:35:29



Frequency Stability

Test Conditions		LTE Band 41C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.51 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carry Xu	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.1								
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	5000	-64.72	-25	-39.72	-74.93	3.03	13.24	H
	7504	-63.59	-25	-38.59	-73.04	3.56	13.01	H
	10000	-63.40	-25	-38.40	-72.92	3.92	13.44	H
	5000	-64.78	-25	-39.78	-74.99	3.03	13.24	V
	7504	-63.75	-25	-38.75	-73.20	3.56	13.01	V
	10000	-63.11	-25	-38.11	-72.63	3.92	13.44	V
Middle	5052	-64.59	-25	-39.59	-74.80	3.03	13.24	H
	7576	-63.58	-25	-38.58	-73.03	3.56	13.01	H
	10100	-62.33	-25	-37.33	-71.85	3.92	13.44	H
	5052	-65.21	-25	-40.21	-75.42	3.03	13.24	V
	7576	-63.79	-25	-38.79	-73.24	3.56	13.01	V
	10100	-62.50	-25	-37.50	-72.02	3.92	13.44	V
Highest	5104	-65.73	-25	-40.73	-75.94	3.03	13.24	H
	7652	-63.24	-25	-38.24	-72.69	3.56	13.01	H
	10200	-62.60	-25	-37.60	-72.12	3.92	13.44	H
	5104	-65.64	-25	-40.64	-75.85	3.03	13.24	V
	7652	-63.41	-25	-38.41	-72.86	3.56	13.01	V
	10200	-63.12	-25	-38.12	-72.64	3.92	13.44	V

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



LTE Band 12 / 10MHz / QPSK / Ant.0								
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	-68.12	-13	-55.12	-75.09	1.58	10.70	H
	2096	-64.20	-13	-51.20	-72.45	2.102	12.50	H
	2800	-60.46	-13	-47.46	-69.35	2.856	13.90	H
	1400	-67.45	-13	-54.45	-74.42	1.58	10.70	V
	2096	-63.24	-13	-50.24	-71.49	2.10	12.50	V
	2800	-60.13	-13	-47.13	-69.02	2.86	13.90	V
Middle	1408	-68.62	-13	-55.62	-75.59	1.58	10.70	H
	2112	-63.40	-13	-50.40	-71.65	2.102	12.50	H
	2808	-60.63	-13	-47.63	-69.52	2.856	13.90	H
	1408	-67.69	-13	-54.69	-74.66	1.58	10.70	V
	2112	-62.59	-13	-49.59	-70.84	2.10	12.50	V
	2808	-60.37	-13	-47.37	-69.26	2.86	13.90	V
Highest	1416	-68.31	-13	-55.31	-75.28	1.58	10.70	H
	2120	-63.51	-13	-50.51	-71.76	2.102	12.50	H
	2824	-60.16	-13	-47.16	-69.05	2.856	13.90	H
	1416	-67.37	-13	-54.37	-74.34	1.58	10.70	V
	2120	-62.55	-13	-49.55	-70.80	2.10	12.50	V
	2824	-59.95	-13	-46.95	-68.84	2.86	13.90	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1552	-67.33	-13	-54.33	-69.96	1.09	5.87	H
	2328	-62.37	-13	-49.37	-64.77	1.37	5.92	H
	3112	-60.84	-13	-47.84	-64.73	1.64	7.68	H
	1552	-66.27	-13	-53.27	-68.90	1.09	5.87	V
	2328	-60.43	-13	-47.43	-62.83	1.37	5.92	V
	3112	-59.94	-13	-46.94	-63.83	1.64	7.68	V
Middle	1560	-67.14	-42.15	-24.99	-69.77	1.09	5.87	H
	2336	-62.58	-13	-49.58	-64.98	1.37	5.92	H
	3120	-61.46	-13	-48.46	-65.35	1.64	7.68	H
	1560	-65.97	-42.15	-23.82	-68.60	1.09	5.87	V
	2336	-60.42	-13	-47.42	-62.82	1.37	5.92	V
	3120	-61.06	-13	-48.06	-64.95	1.64	7.68	V
Highest	1560	-66.85	-42.15	-24.70	-69.48	1.09	5.87	H
	2344	-62.95	-13	-49.95	-65.35	1.37	5.92	H
	3128	-61.46	-13	-48.46	-65.35	1.64	7.68	H
	1560	-66.43	-42.15	-24.28	-69.06	1.09	5.87	V
	2344	-60.97	-13	-47.97	-63.37	1.37	5.92	V
	3128	-61.05	-13	-48.05	-64.94	1.64	7.68	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1552	-67.79	-13	-54.79	-70.42	1.09	5.87	H
	2328	-62.80	-13	-49.80	-65.20	1.37	5.92	H
	3112	-61.43	-13	-48.43	-65.32	1.64	7.68	H
	1552	-67.25	-13	-54.25	-69.88	1.09	5.87	V
	2328	-61.36	-13	-48.36	-63.76	1.37	5.92	V
	3112	-61.22	-13	-48.22	-65.11	1.64	7.68	V

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



LTE Band 41 / 20MHz / QPSK / Ant.1								
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	4992	-63.82	-25	-38.82	-74.03	3.03	13.24	H
	7492	-63.40	-25	-38.40	-72.85	3.56	13.01	H
	9990	-63.19	-25	-38.19	-72.71	3.92	13.44	H
	4992	-64.38	-25	-39.38	-74.59	3.03	13.24	V
	7492	-63.64	-25	-38.64	-73.09	3.56	13.01	V
	9990	-63.47	-25	-38.47	-72.99	3.92	13.44	V
Middle	5168	-65.11	-25	-40.11	-75.32	3.03	13.24	H
	7752	-62.97	-25	-37.97	-72.42	3.56	13.01	H
	10340	-62.48	-25	-37.48	-72.00	3.92	13.44	H
	5168	-64.97	-25	-39.97	-75.18	3.03	13.24	V
	7752	-63.25	-25	-38.25	-72.70	3.56	13.01	V
	10340	-62.58	-25	-37.58	-72.10	3.92	13.44	V
Highest	5344	-65.82	-25	-40.82	-76.03	3.03	13.24	H
	8010	-63.10	-25	-38.10	-72.55	3.56	13.01	H
	10680	-62.44	-25	-37.44	-71.96	3.92	13.44	H
	5344	-65.89	-25	-40.89	-76.10	3.03	13.24	V
	8010	-63.31	-25	-38.31	-72.76	3.56	13.01	V
	10680	-62.51	-25	-37.51	-72.03	3.92	13.44	V

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



LTE Band 71 / 20MHz / QPSK / Ant.0								
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	-68.60	-13	-55.60	-70.35	1.02	4.92	H
	1992	-63.18	-13	-50.18	-65.15	1.27	5.39	H
	2656	-61.84	-13	-48.84	-64.77	1.49	6.57	H
	1328	-68.13	-13	-55.13	-69.88	1.02	4.92	V
	1992	-62.84	-13	-49.84	-64.81	1.27	5.39	V
	2656	-61.13	-13	-48.13	-64.06	1.49	6.57	V
Middle	1352	-68.69	-13	-55.69	-70.44	1.02	4.92	H
	2024	-63.74	-13	-50.74	-65.71	1.27	5.39	H
	2696	-61.53	-13	-48.53	-64.46	1.49	6.57	H
	1352	-68.49	-13	-55.49	-70.24	1.02	4.92	V
	2024	-62.91	-13	-49.91	-64.88	1.27	5.39	V
	2696	-61.44	-13	-48.44	-64.37	1.49	6.57	V
Highest	1360	-68.28	-13	-55.28	-70.03	1.02	4.92	H
	2040	-63.66	-13	-50.66	-65.63	1.27	5.39	H
	2712	-61.30	-13	-48.30	-64.23	1.49	6.57	H
	1360	-67.73	-13	-54.73	-69.48	1.02	4.92	V
	2040	-62.64	-13	-49.64	-64.61	1.27	5.39	V
	2712	-60.73	-13	-47.73	-63.66	1.49	6.57	V

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



LTE Band 7C_CA / 20MHz+20MHz / QPSK / ANT1								
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 (1RB0)	5000	-53.93	-25	-28.93	-64.14	3.03	13.24	H
	7504	-55.66	-25	-30.66	-65.11	3.56	13.01	H
	10000	-62.97	-25	-37.97	-72.49	3.92	13.44	H
	5000	-53.81	-25	-28.81	-64.02	3.03	13.24	V
	7504	-60.68	-25	-35.68	-70.13	3.56	13.01	V
	10000	-63.22	-25	-38.22	-72.74	3.92	13.44	V
Lowest (1RBMax)	5040	-64.96	-25	-39.96	-75.17	3.03	13.24	H
	7556	-63.45	-25	-38.45	-72.90	3.56	13.01	H
	10080	-62.34	-25	-37.34	-71.86	3.92	13.44	H
	5040	-65.24	-25	-40.24	-75.45	3.03	13.24	V
	7556	-63.11	-25	-38.11	-72.56	3.56	13.01	V
	10080	-62.62	-25	-37.62	-72.14	3.92	13.44	V
Middle (1RB0)	5032	-56.05	-25	-31.05	-66.26	3.03	13.24	H
	7548	-57.99	-25	-32.99	-67.44	3.56	13.01	H
	10060	-62.70	-25	-37.70	-72.22	3.92	13.44	H
	5032	-55.60	-25	-30.60	-65.81	3.03	13.24	V
	7548	-60.56	-25	-35.56	-70.01	3.56	13.01	V
	10060	-62.97	-25	-37.97	-72.49	3.92	13.44	V
Middle (1RBMax)	5068	-64.88	-25	-39.88	-75.09	3.03	13.24	H
	7600	-63.73	-25	-38.73	-73.18	3.56	13.01	H
	10140	-62.67	-25	-37.67	-72.19	3.92	13.44	H
	5068	-65.11	-25	-40.11	-75.32	3.03	13.24	V
	7600	-63.59	-25	-38.59	-73.04	3.56	13.01	V
	10140	-62.97	-25	-37.97	-72.49	3.92	13.44	V
Highest (1RB0)	5064	-47.97	-25	-22.97	-58.18	3.03	13.24	H
	7592	-54.23	-25	-29.23	-63.68	3.56	13.01	H
	10120	-62.46	-25	-37.46	-71.98	3.92	13.44	H
	5064	-46.83	-25	-21.83	-57.04	3.03	13.24	V
	7592	-57.99	-25	-32.99	-67.44	3.56	13.01	V
	10120	-62.18	-25	-37.18	-71.70	3.92	13.44	V
Highest (1RBMax)	5096	-64.99	-25	-39.99	-75.20	3.03	13.24	H
	7648	-63.14	-25	-38.14	-72.59	3.56	13.01	H
	10200	-62.93	-25	-37.93	-72.45	3.92	13.44	H
	5096	-65.09	-25	-40.09	-75.30	3.03	13.24	V
	7648	-63.08	-25	-38.08	-72.53	3.56	13.01	V
	10200	-63.05	-25	-38.05	-72.57	3.92	13.44	V

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



LTE Band 41C_CA / 20MHz+20MHz / QPSK / ANT1								
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 (1RB0)	4992	-57.16	-25	-32.16	-67.37	3.03	13.24	H
	7492	-54.48	-25	-29.48	-63.93	3.56	13.01	H
	9990	-62.69	-25	-37.69	-72.21	3.92	13.44	H
	4992	-58.20	-25	-33.20	-68.41	3.03	13.24	V
	7492	-59.53	-25	-34.53	-68.98	3.56	13.01	V
	9990	-63.25	-25	-38.25	-72.77	3.92	13.44	V
Lowest (1RBMax)	5032	-65.26	-25	-40.26	-75.47	3.03	13.24	H
	7544	-63.46	-25	-38.46	-72.91	3.56	13.01	H
	10060	-62.80	-25	-37.80	-72.32	3.92	13.44	H
	5032	-65.40	-25	-40.40	-75.61	3.03	13.24	V
	7544	-63.08	-25	-38.08	-72.53	3.56	13.01	V
	10060	-63.10	-25	-38.10	-72.62	3.92	13.44	V
Middle (1RB0)	5148	-48.63	-25	-23.63	-58.84	3.03	13.24	H
	7724	-54.36	-25	-29.36	-63.81	3.56	13.01	H
	10300	-62.76	-25	-37.76	-72.28	3.92	13.44	H
	5148	-44.87	-25	-19.87	-55.08	3.03	13.24	V
	7724	-58.53	-25	-33.53	-67.98	3.56	13.01	V
	10300	-63.18	-25	-38.18	-72.70	3.92	13.44	V
Middle (1RBMax)	5184	-64.79	-25	-39.79	-75.00	3.03	13.24	H
	7776	-63.37	-25	-38.37	-72.82	3.56	13.01	H
	10370	-62.33	-25	-37.33	-71.85	3.92	13.44	H
	5184	-64.98	-25	-39.98	-75.19	3.03	13.24	V
	7776	-63.36	-25	-38.36	-72.81	3.56	13.01	V
	10370	-62.71	-25	-37.71	-72.23	3.92	13.44	V
Highest (1RB0)	5304	-41.61	-25	-16.61	-51.82	3.03	13.24	H
	7952	-48.49	-25	-23.49	-57.94	3.56	13.01	H
	10600	-61.75	-25	-36.75	-71.27	3.92	13.44	H
	5304	-55.50	-25	-30.50	-65.71	3.03	13.24	V
	7952	-50.54	-25	-25.54	-59.99	3.56	13.01	V
	10600	-62.07	-25	-37.07	-71.59	3.92	13.44	V
Highest (1RBMax)	5336	-65.60	-25	-40.60	-75.81	3.03	13.24	H
	8000	-63.49	-25	-38.49	-72.94	3.56	13.01	H
	10680	-62.01	-25	-37.01	-71.53	3.92	13.44	H
	5336	-65.36	-25	-40.36	-75.57	3.03	13.24	V
	8000	-63.28	-25	-38.28	-72.73	3.56	13.01	V
	10680	-62.10	-25	-37.10	-71.62	3.92	13.44	V

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