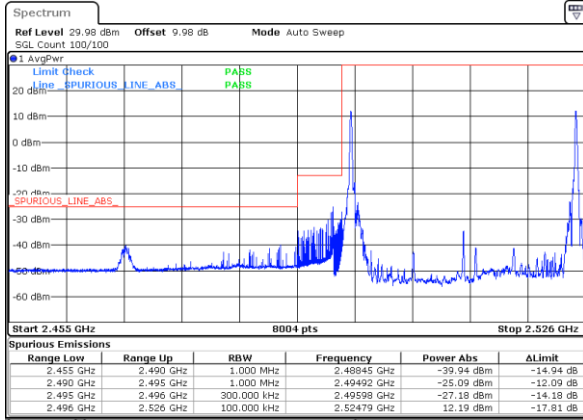




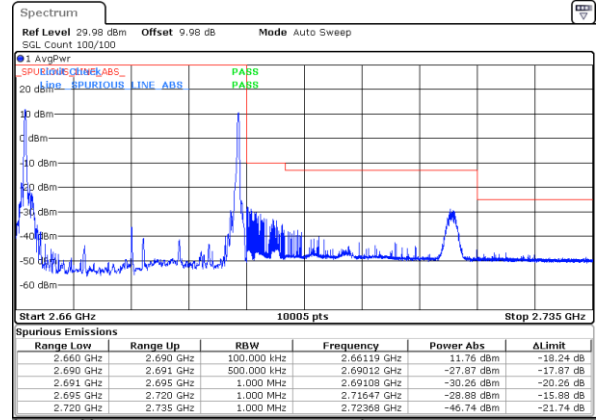
LTE Band 41C / 20MHz+10MHz

64QAM

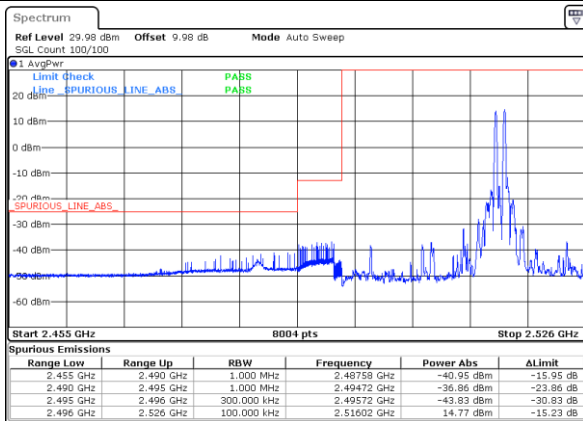
Lowest Band Edge / 1RB0 and 1RB49



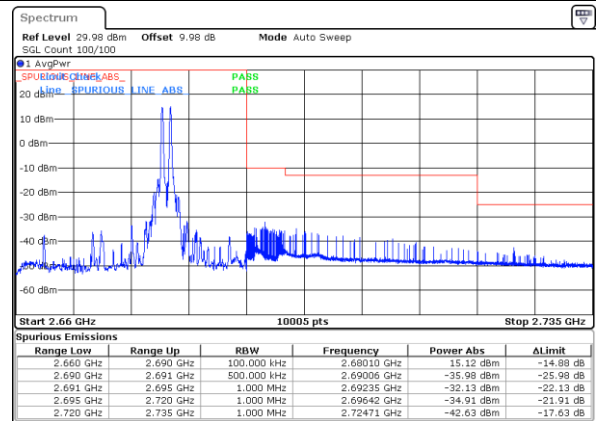
Highest Band Edge / 1RB0 and 1RB49



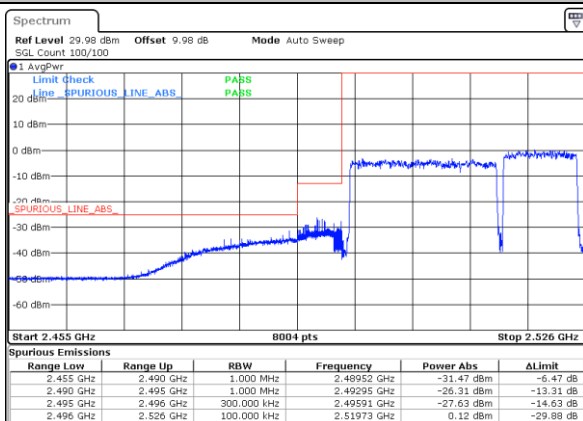
Lowest Band Edge / 1RB99 and 1RB0



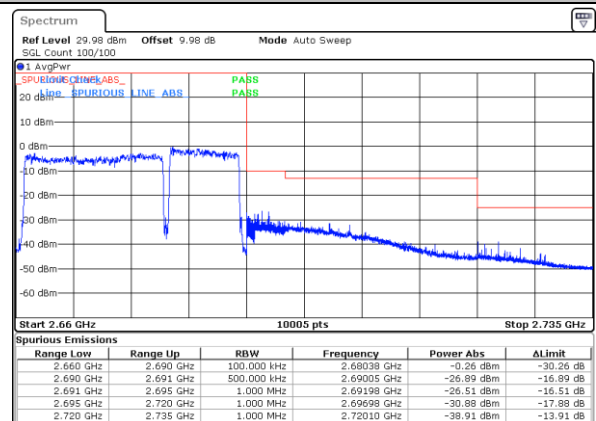
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

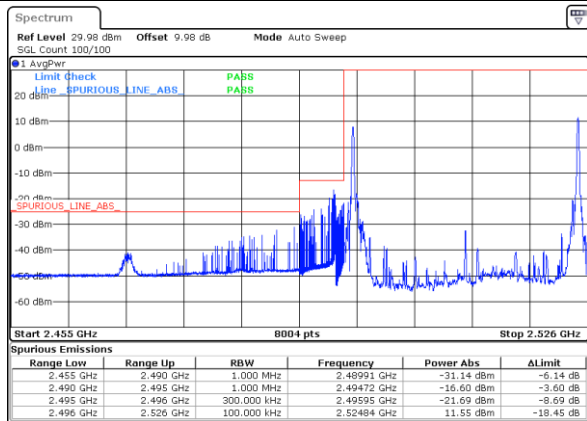




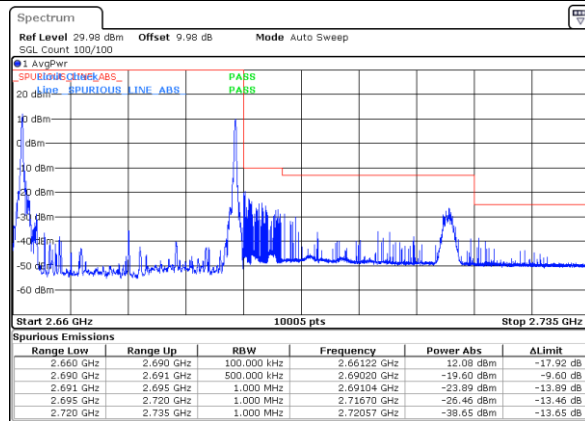
LTE Band 41C / 20MHz+10MHz

256QAM

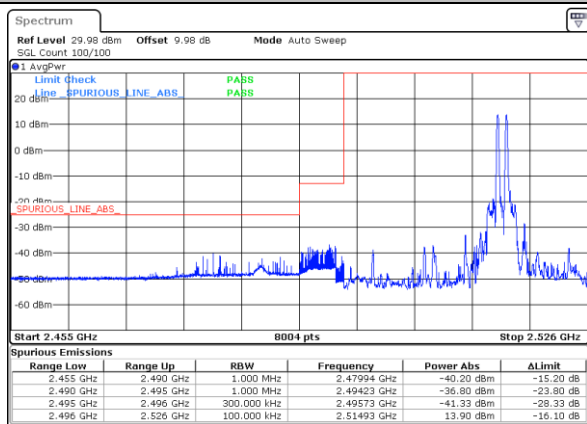
Lowest Band Edge / 1RB0 and 1RB49



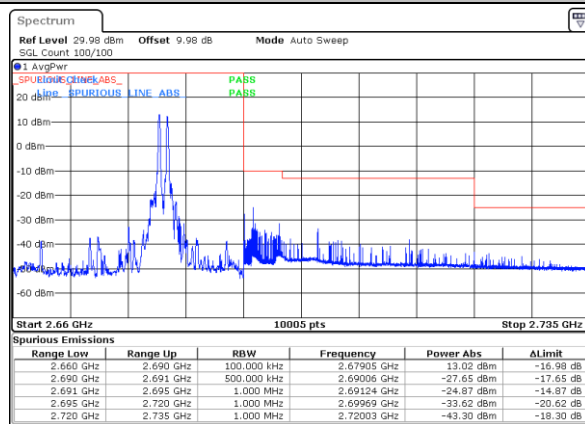
Highest Band Edge / 1RB0 and 1RB49



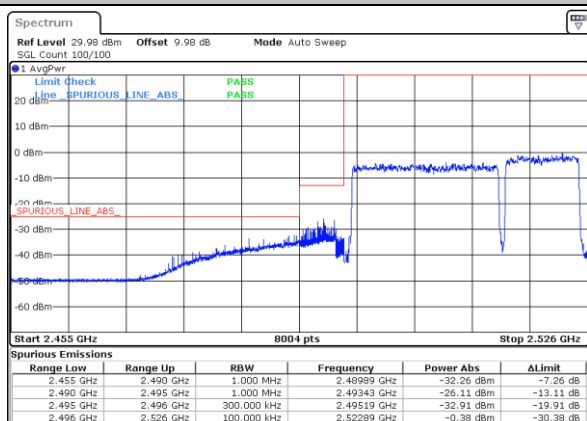
Lowest Band Edge / 1RB99 and 1RB0



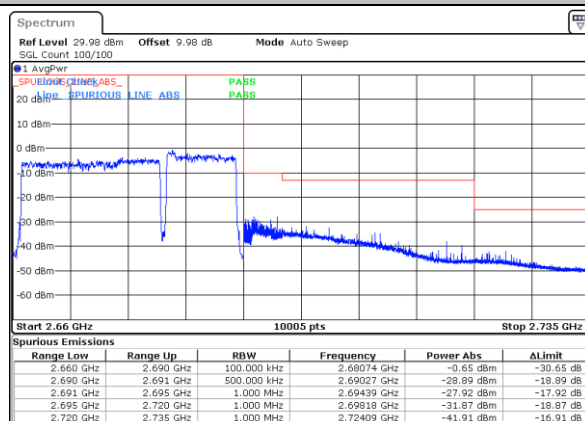
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

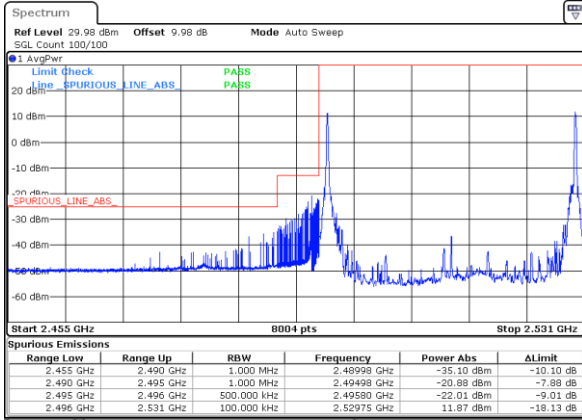




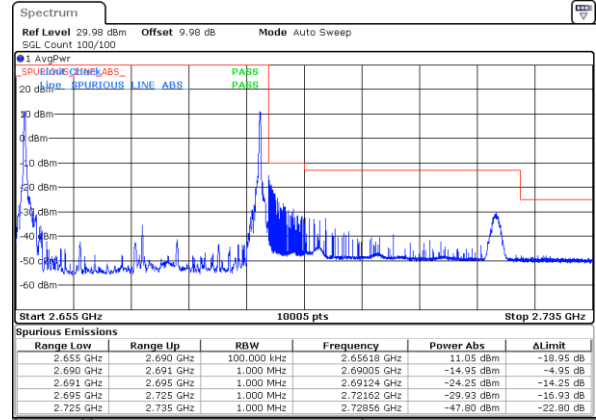
LTE Band 41C / 20MHz+15MHz

QPSK

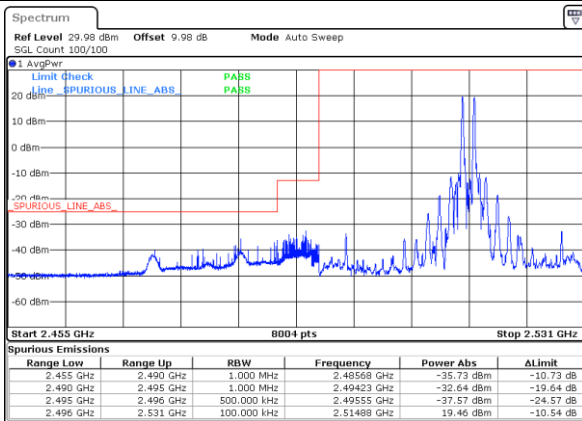
Lowest Band Edge / 1RB0 and 1RB74



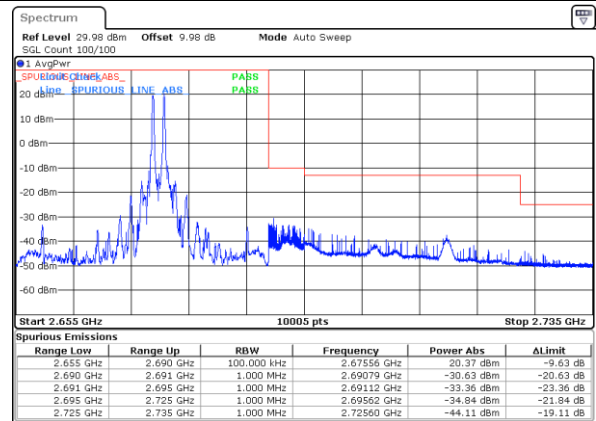
Highest Band Edge / 1RB0 and 1RB74



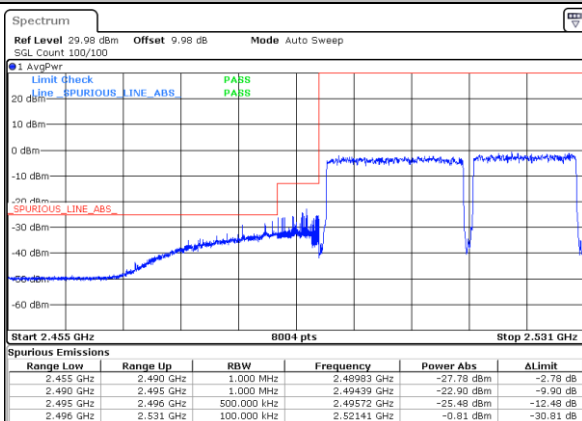
Lowest Band Edge / 1RB99 and 1RB0



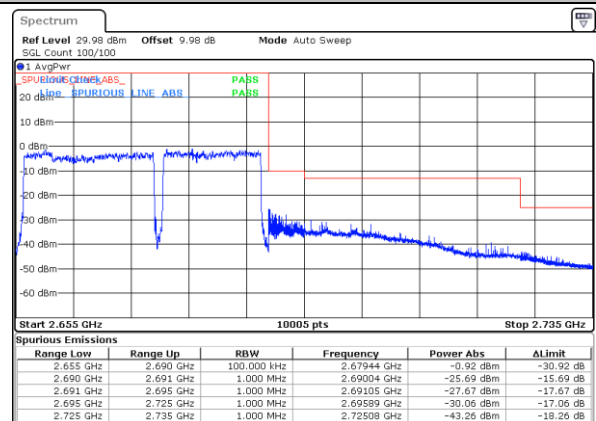
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

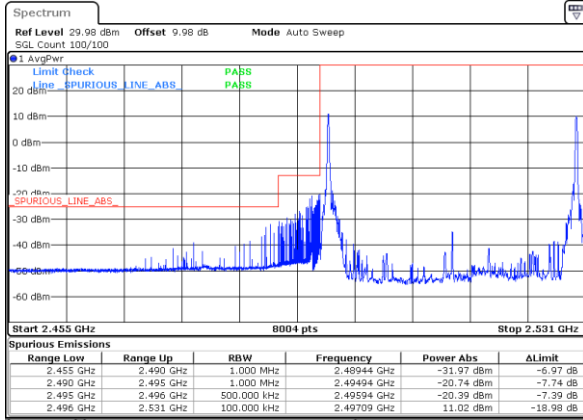




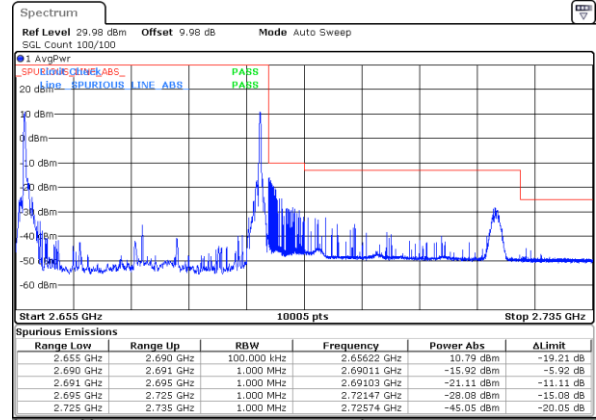
LTE Band 41C / 20MHz+15MHz

16QAM

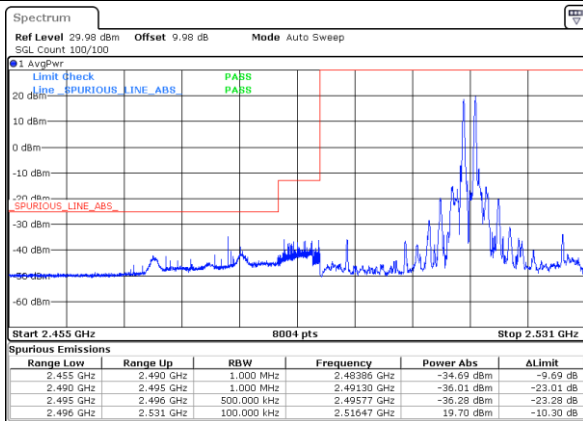
Lowest Band Edge / 1RB0 and 1RB74



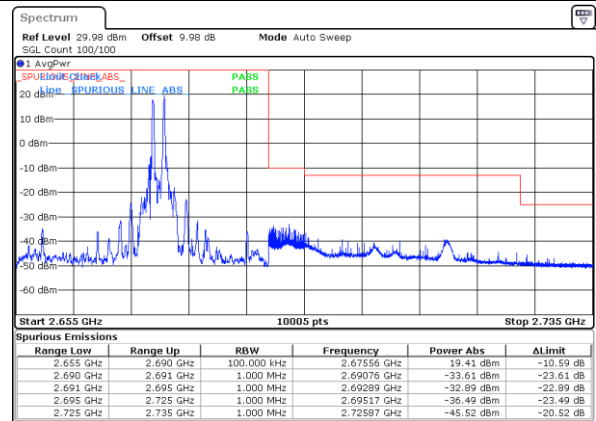
Highest Band Edge / 1RB0 and 1RB74



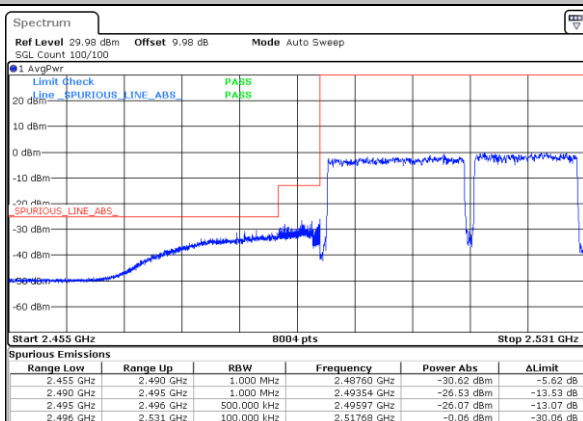
Lowest Band Edge / 1RB99 and 1RB0



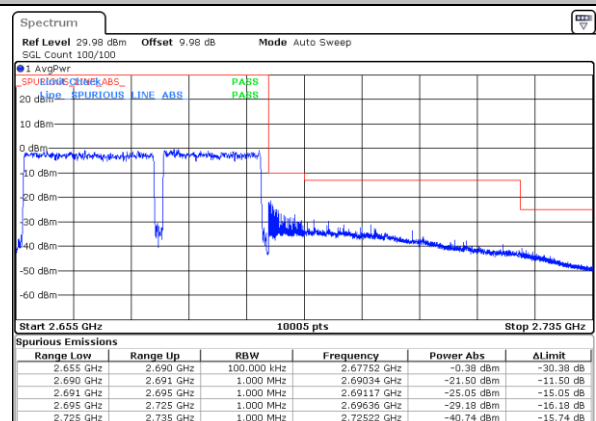
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

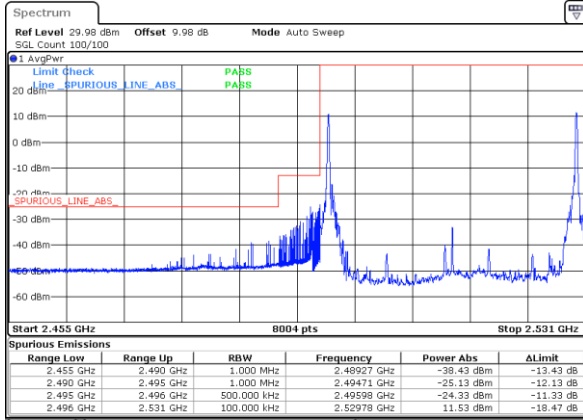




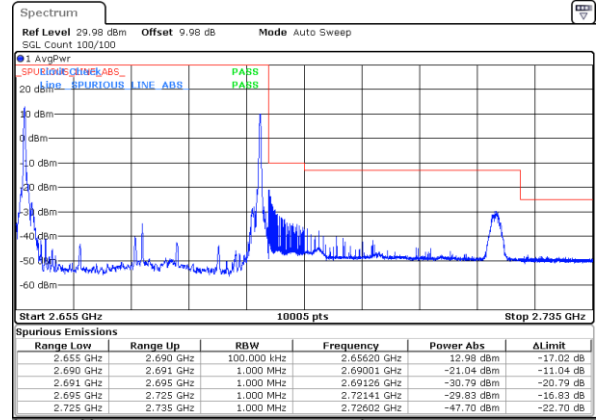
LTE Band 41C / 20MHz+15MHz

64QAM

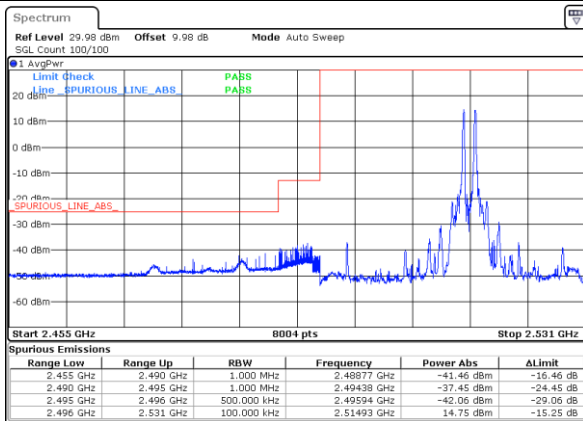
Lowest Band Edge / 1RB0 and 1RB74



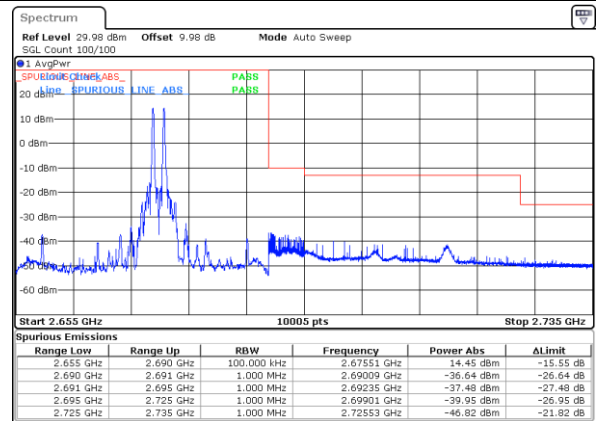
Highest Band Edge / 1RB0 and 1RB74



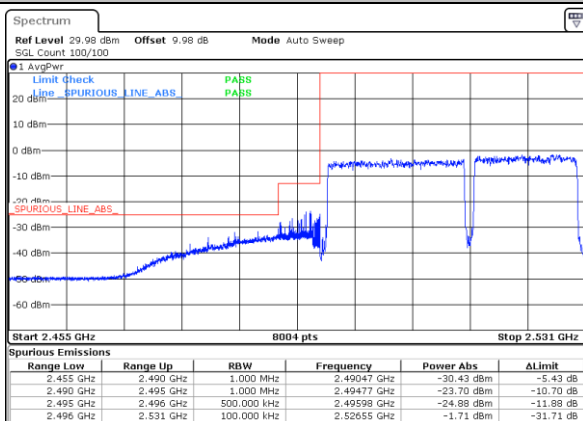
Lowest Band Edge / 1RB99 and 1RB0



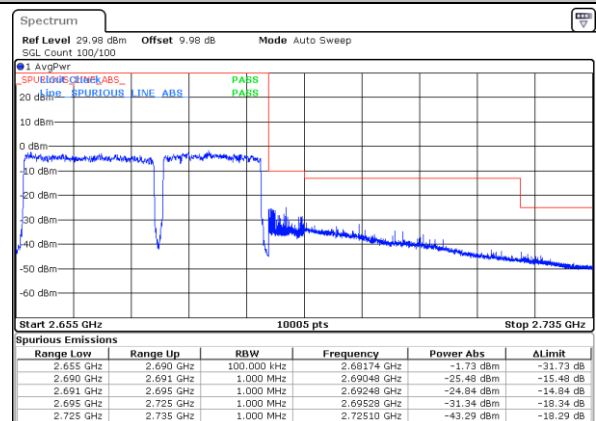
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

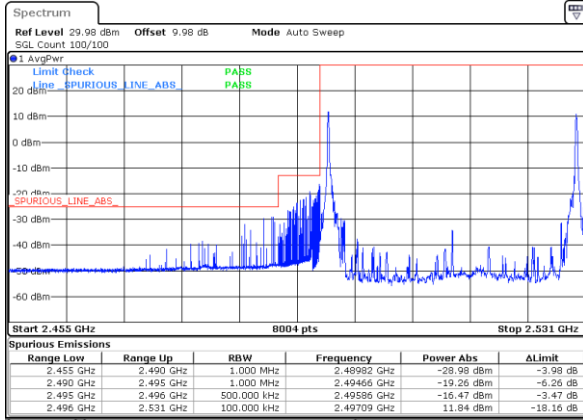




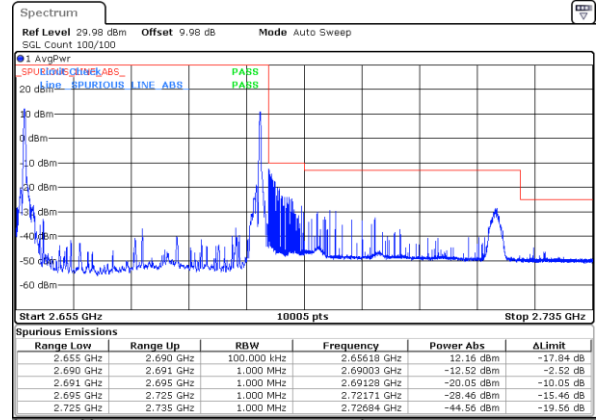
LTE Band 41C / 20MHz+15MHz

256QAM

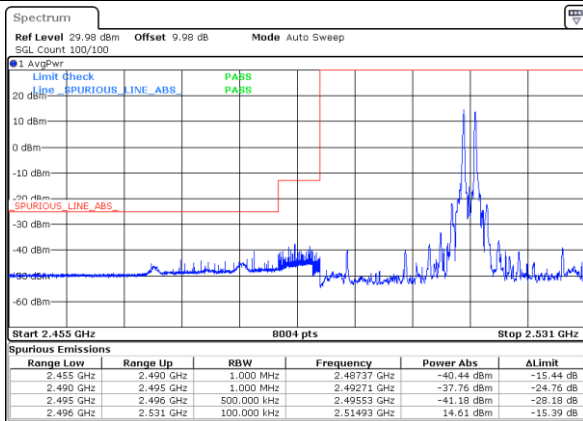
Lowest Band Edge / 1RB0 and 1RB74



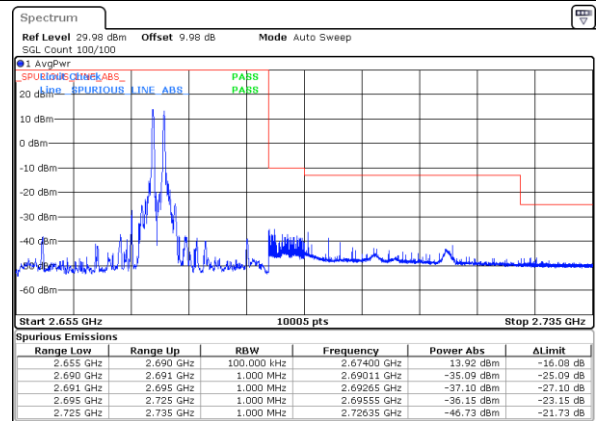
Highest Band Edge / 1RB0 and 1RB74



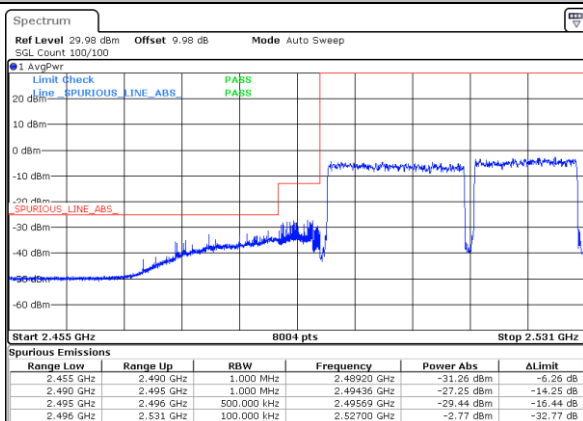
Lowest Band Edge / 1RB99 and 1RB0



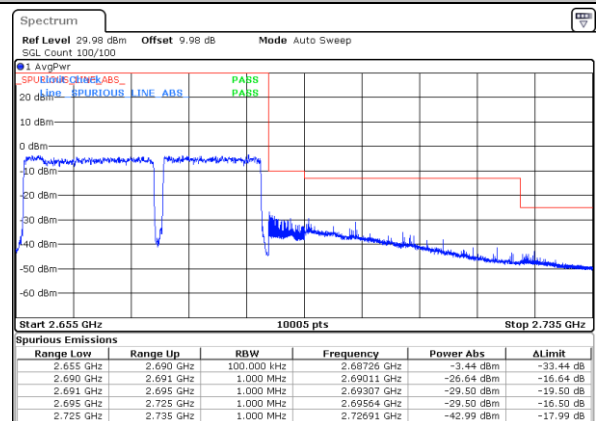
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

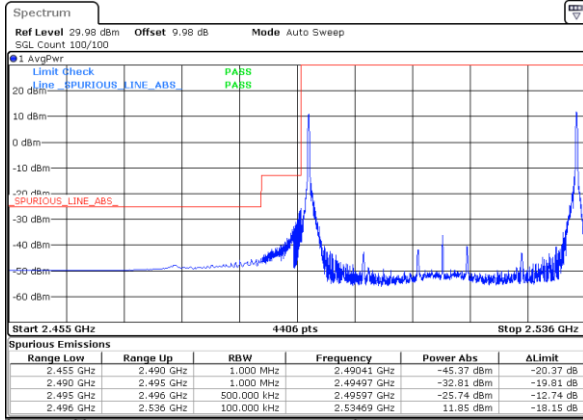




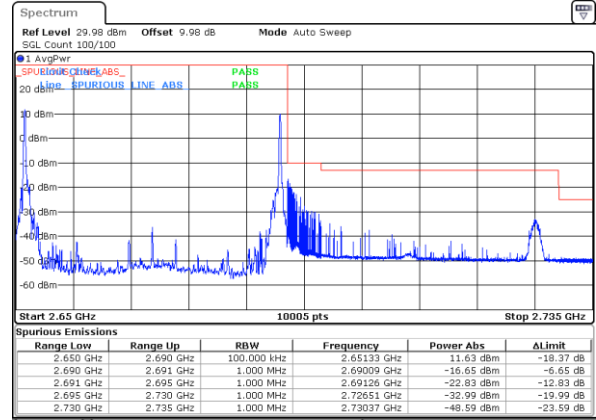
LTE Band 41C / 20MHz+20MHz

QPSK

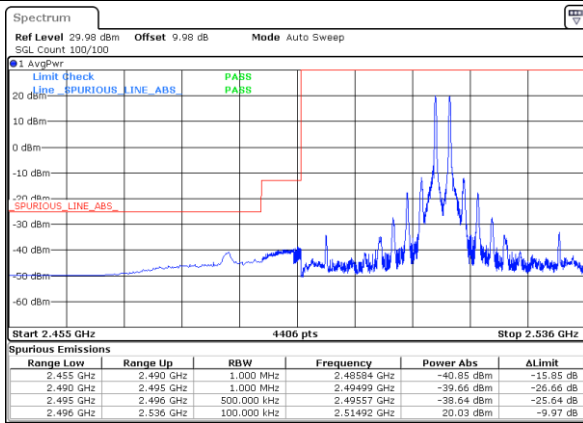
Lowest Band Edge / 1RB0 and 1RB99



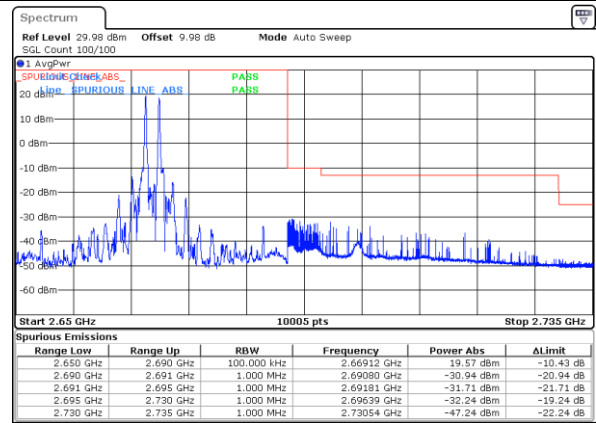
Highest Band Edge / 1RB0 and 1RB99



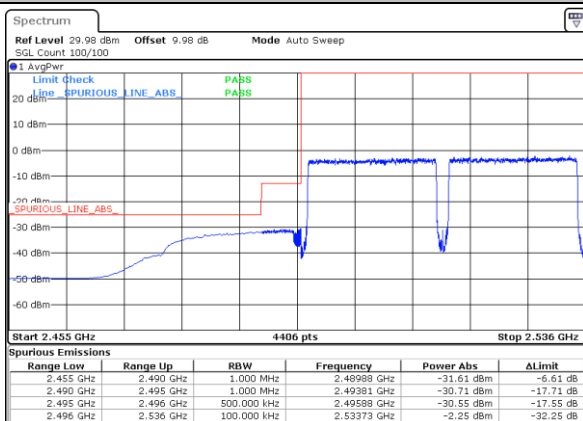
Lowest Band Edge / 1RB99 and 1RB0



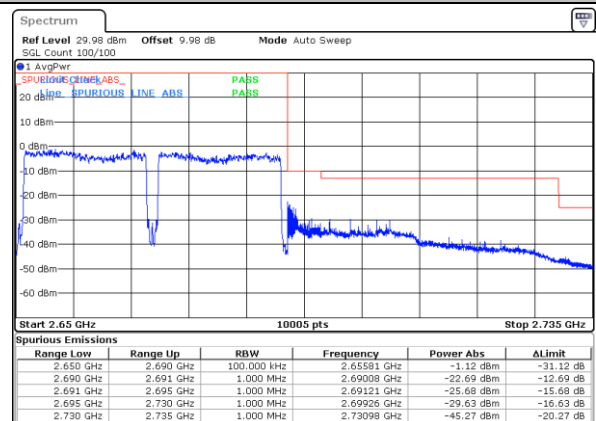
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

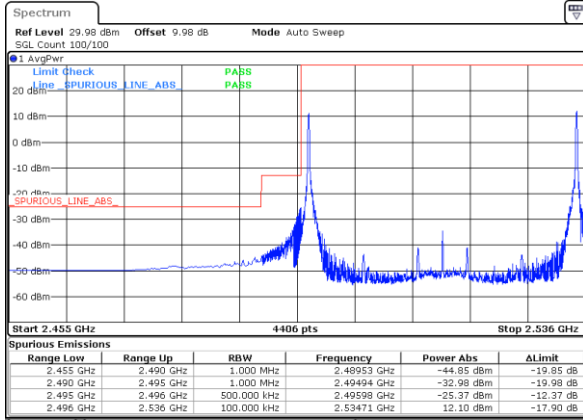




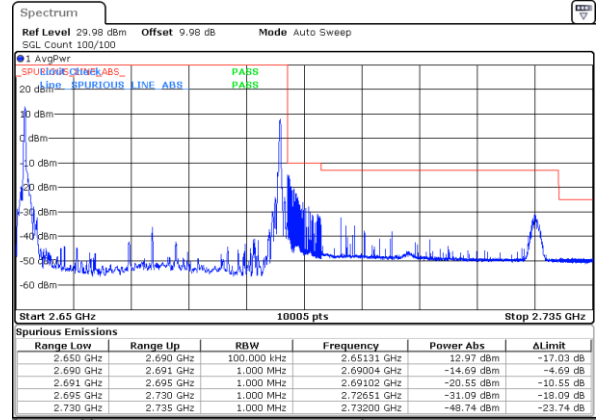
LTE Band 41C / 20MHz+20MHz

16QAM

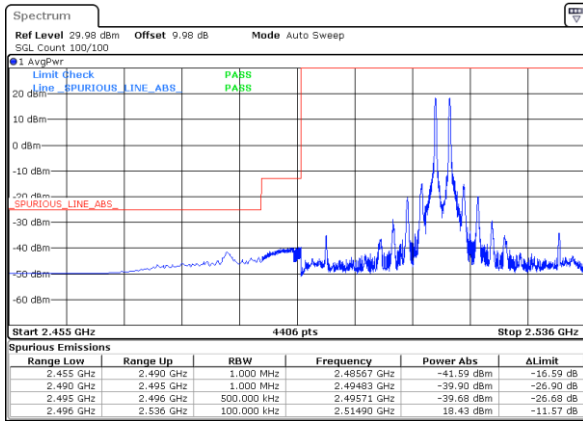
Lowest Band Edge / 1RB0 and 1RB99



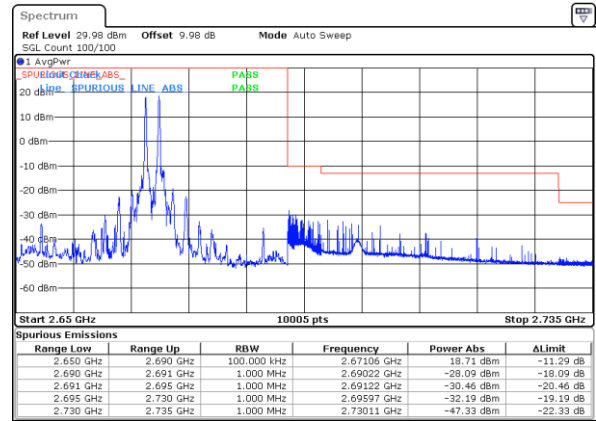
Highest Band Edge / 1RB0 and 1RB99



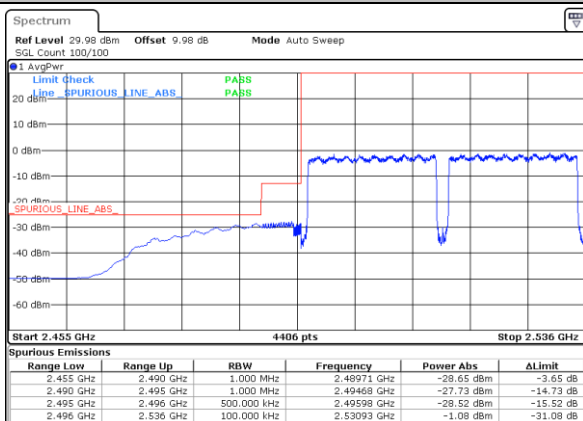
Lowest Band Edge / 1RB99 and 1RB0



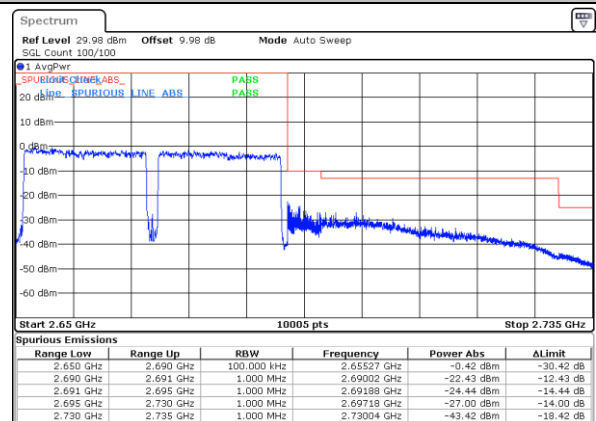
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

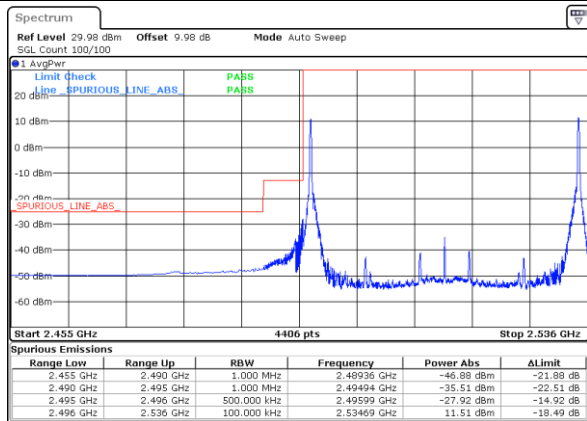




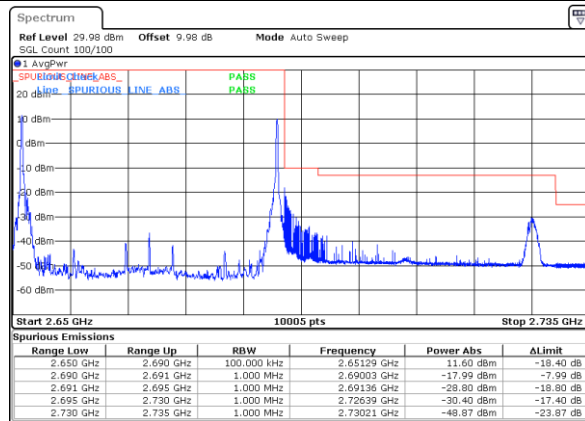
LTE Band 41C / 20MHz+20MHz

64QAM

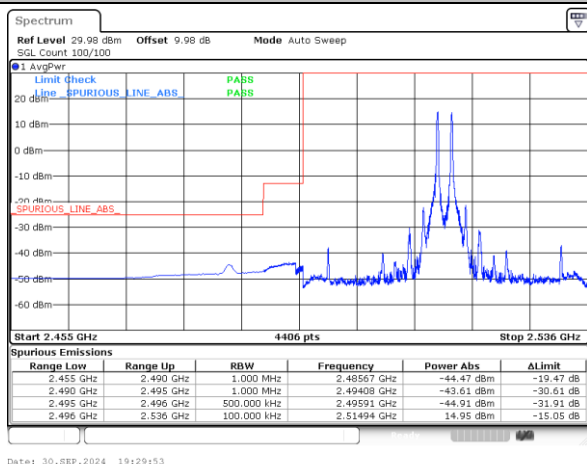
Lowest Band Edge / 1RB0 and 1RB99



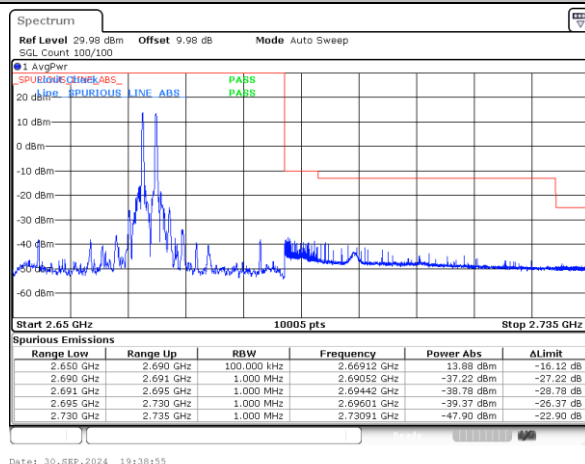
Highest Band Edge / 1RB0 and 1RB99



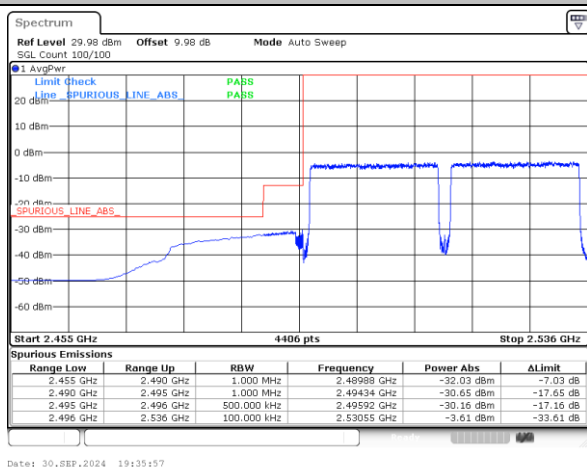
Lowest Band Edge / 1RB99 and 1RB0



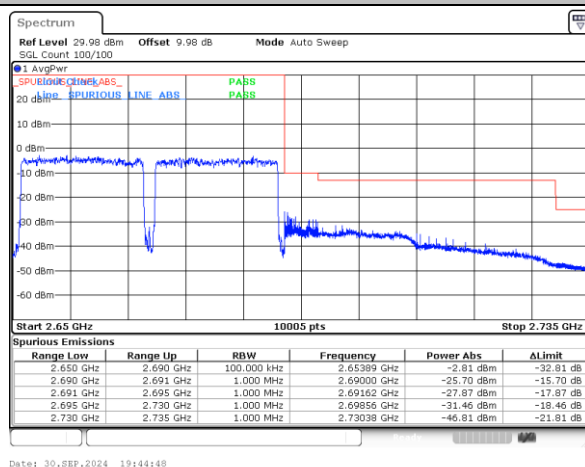
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

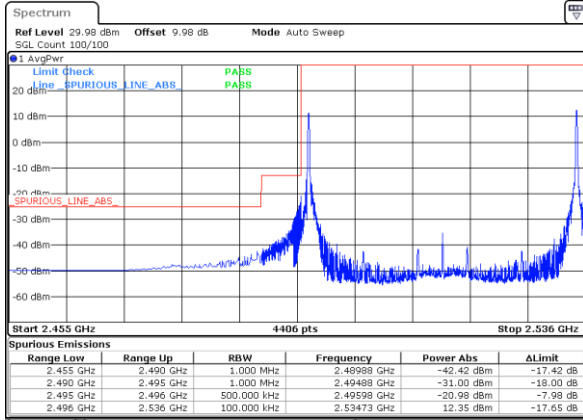




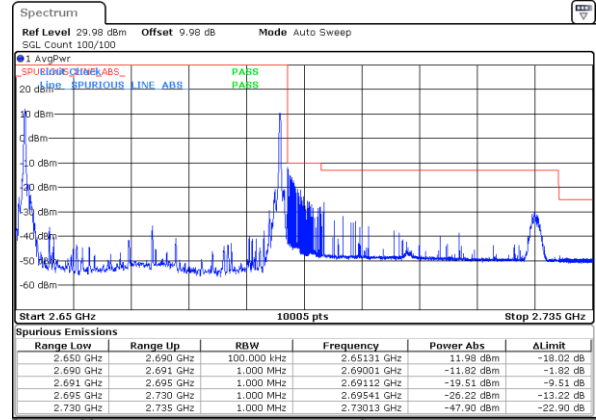
LTE Band 41C / 20MHz+20MHz

256QAM

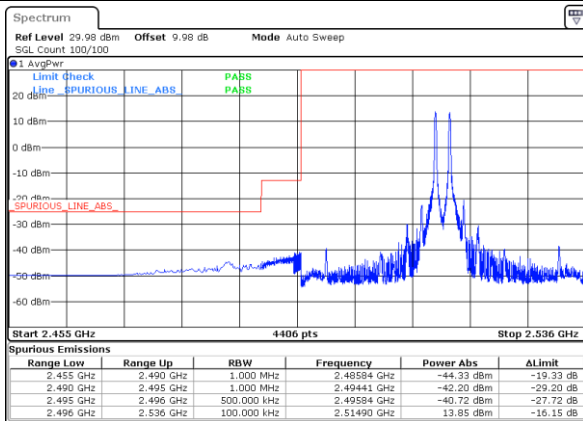
Lowest Band Edge / 1RB0 and 1RB99



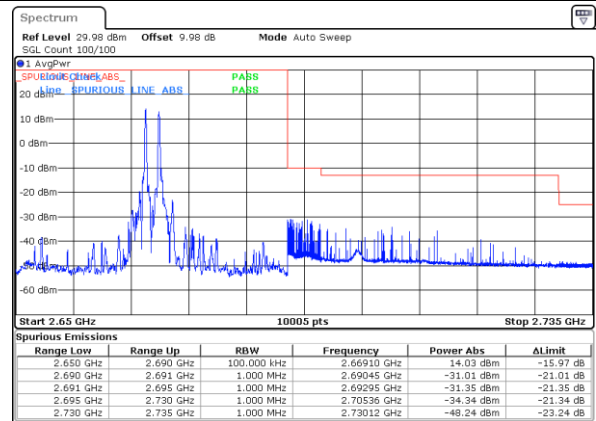
Highest Band Edge / 1RB0 and 1RB99



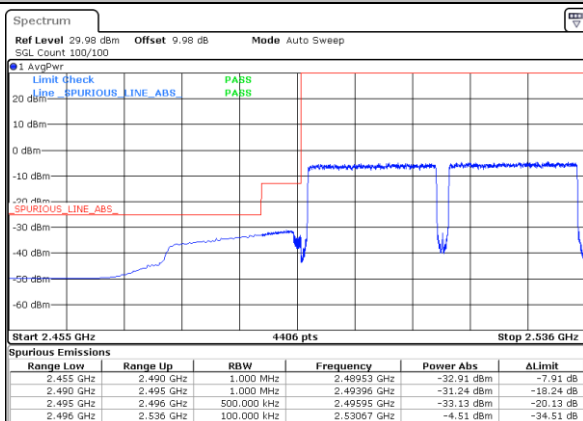
Lowest Band Edge / 1RB99 and 1RB0



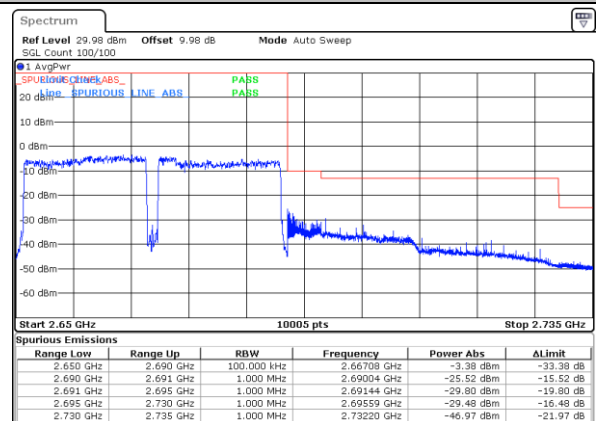
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

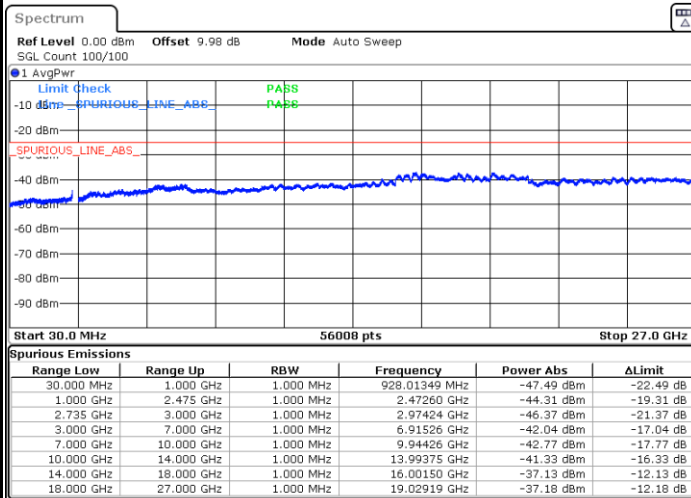




Conducted Spurious Emission

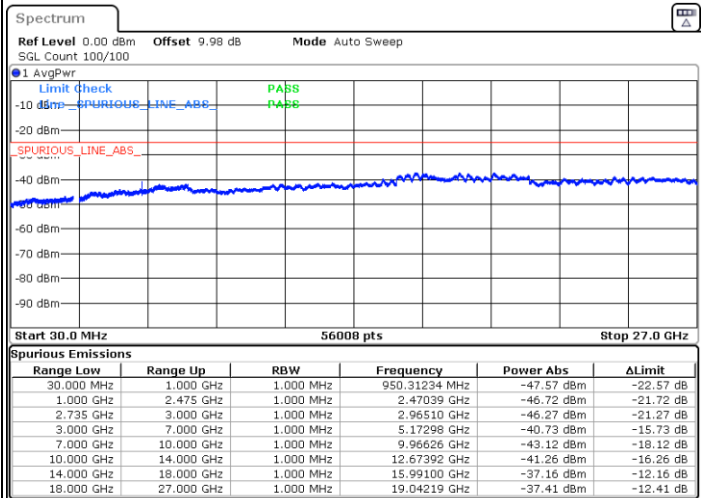
LTE Band 41C / 5MHz+20MHz

Lowest Channel / QPSK



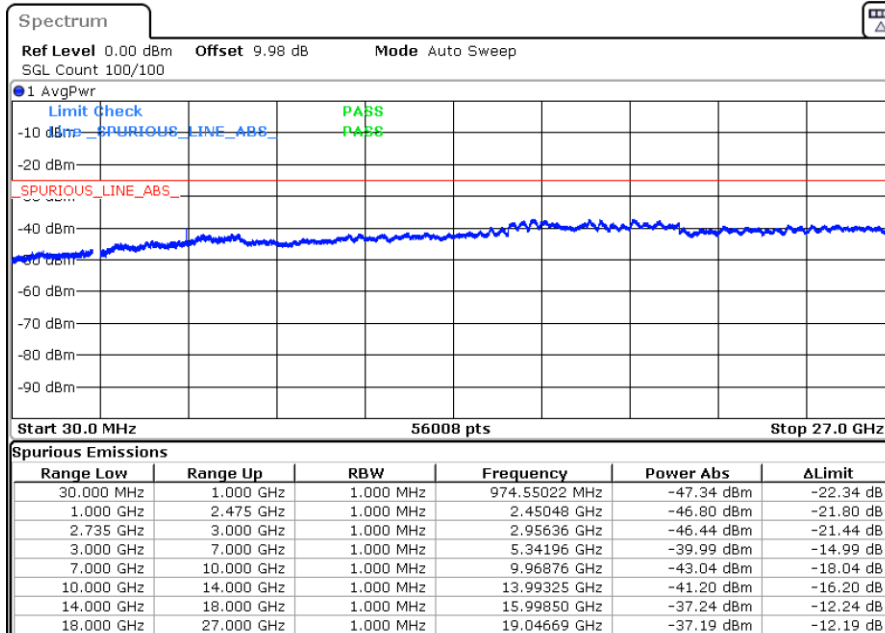
Date: 13.SEP.2024 21:19:21

Middle Channel / QPSK



Date: 13.SEP.2024 21:30:29

Highest Channel / QPSK



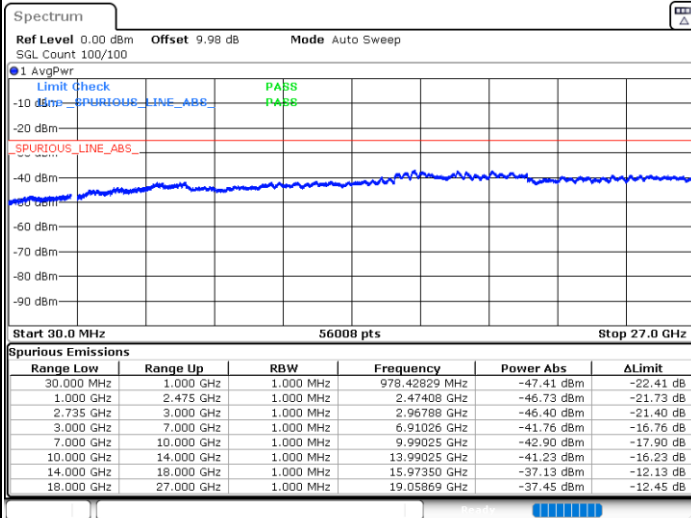
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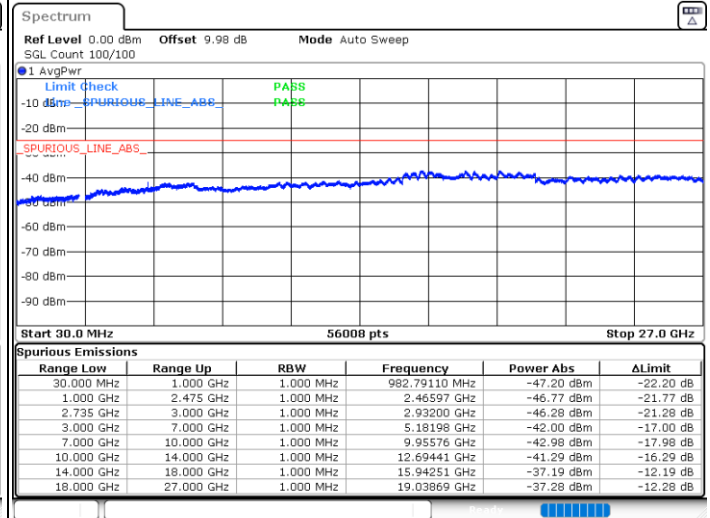
LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

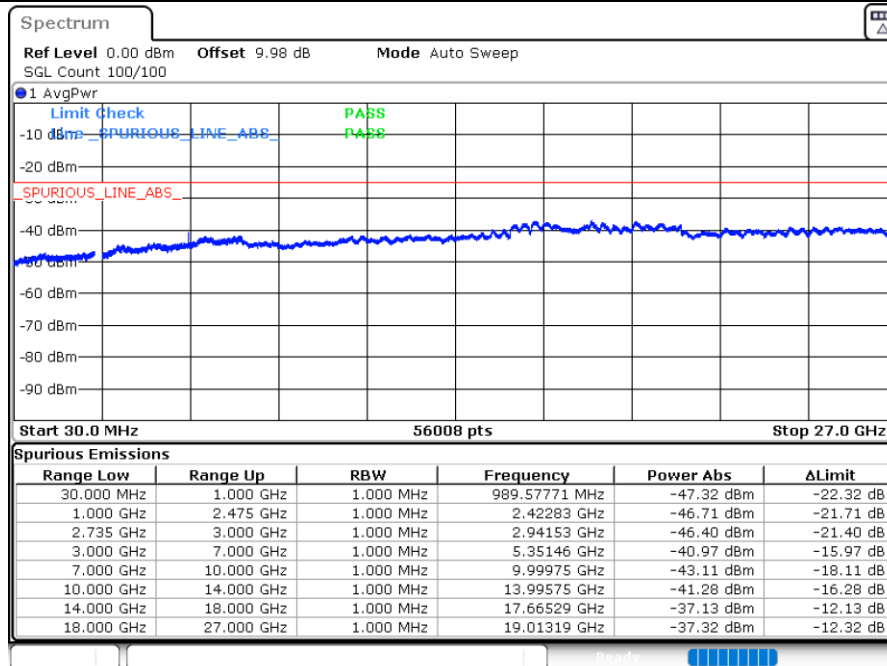


Date: 13.SEP.2024 21:45:18



Date: 13.SEP.2024 21:57:56

Highest Channel / QPSK



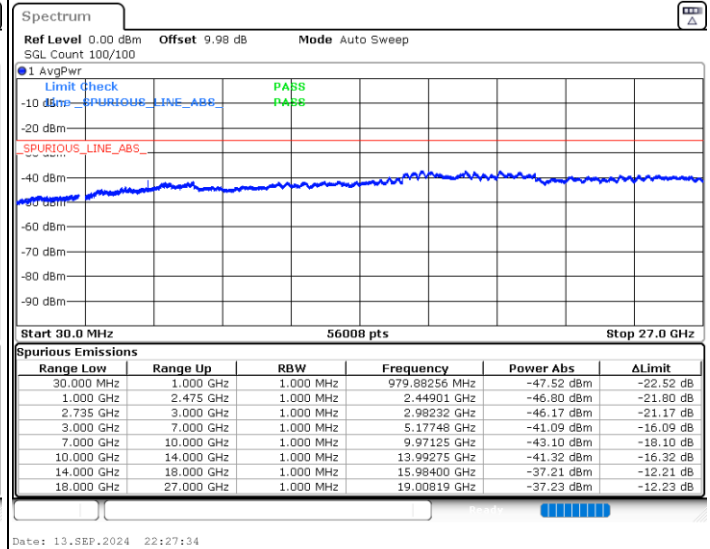
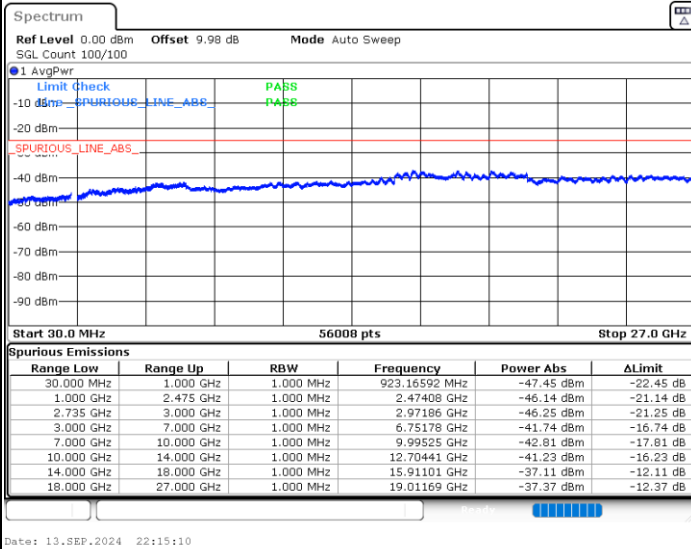
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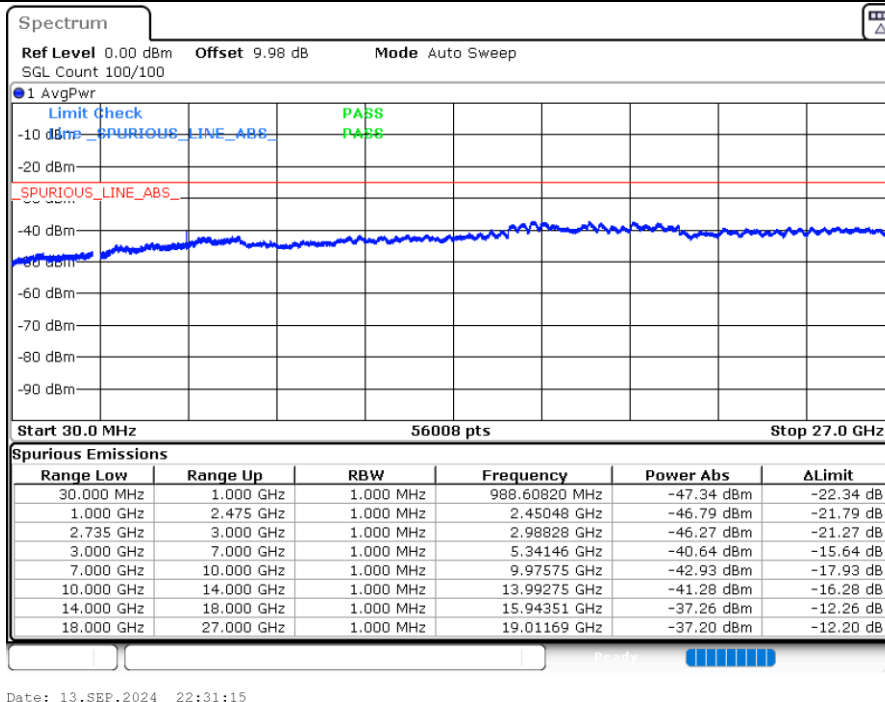
LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

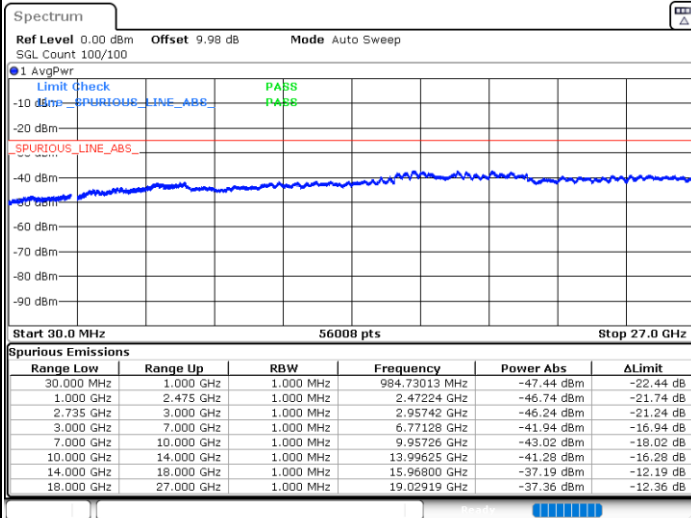




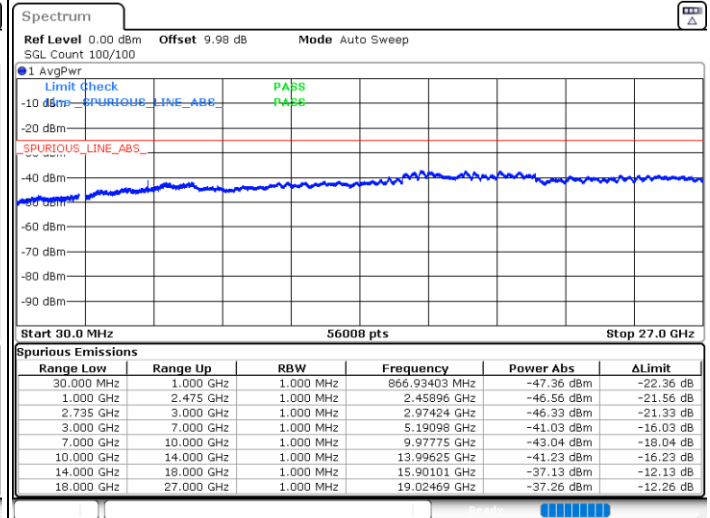
LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

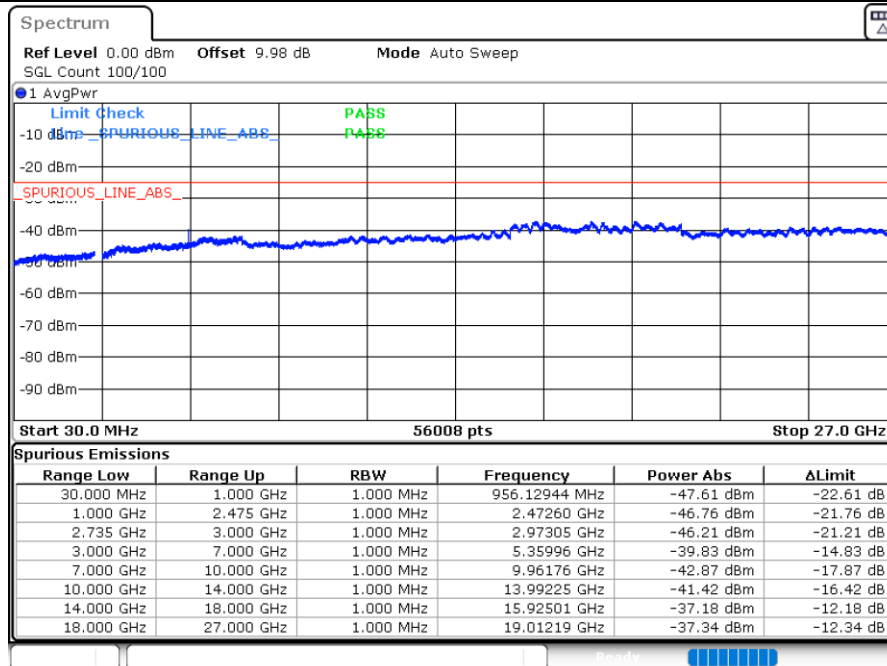


Date: 13.SEP.2024 22:42:34



Date: 13.SEP.2024 23:02:32

Highest Channel / QPSK



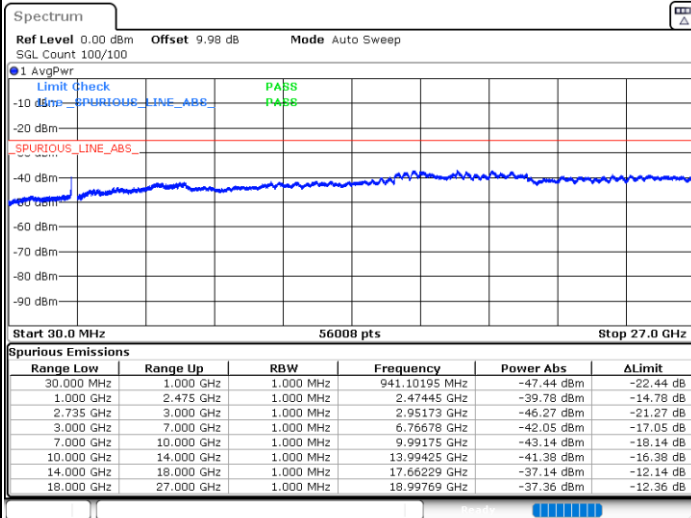
Date: 13.SEP.2024 23:06:31



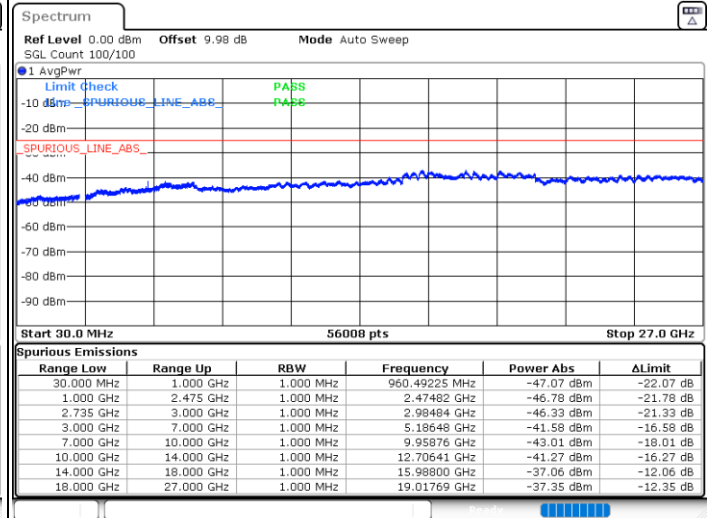
LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

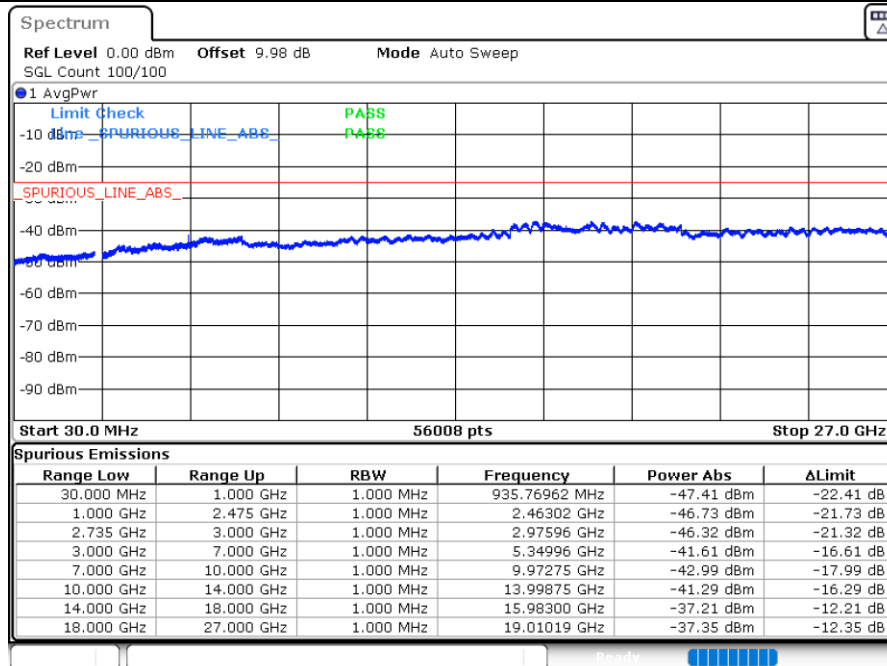


Date: 13.SEP.2024 23:17:50



Date: 14.SEP.2024 00:26:13

Highest Channel / QPSK



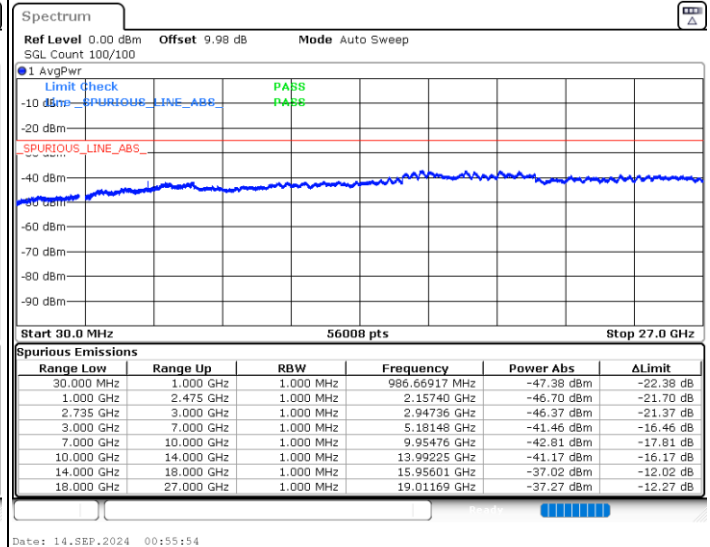
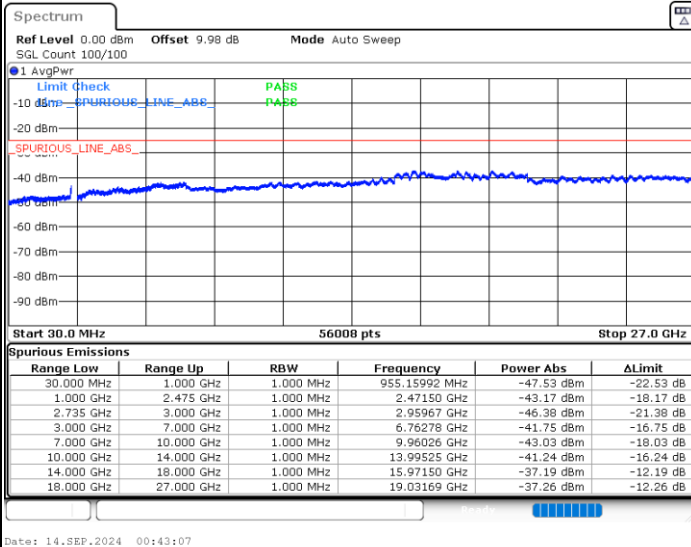
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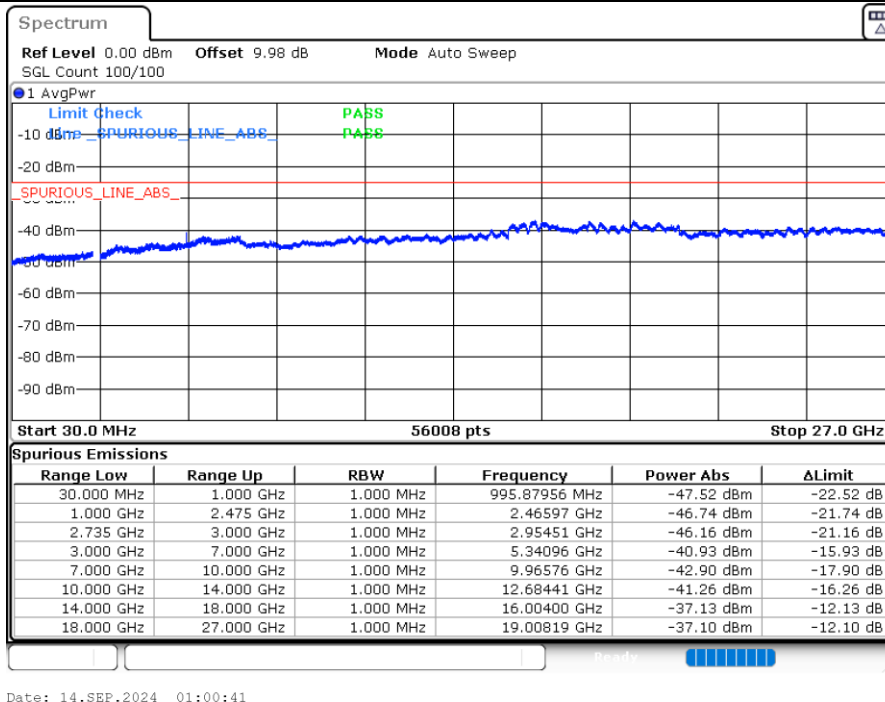
LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

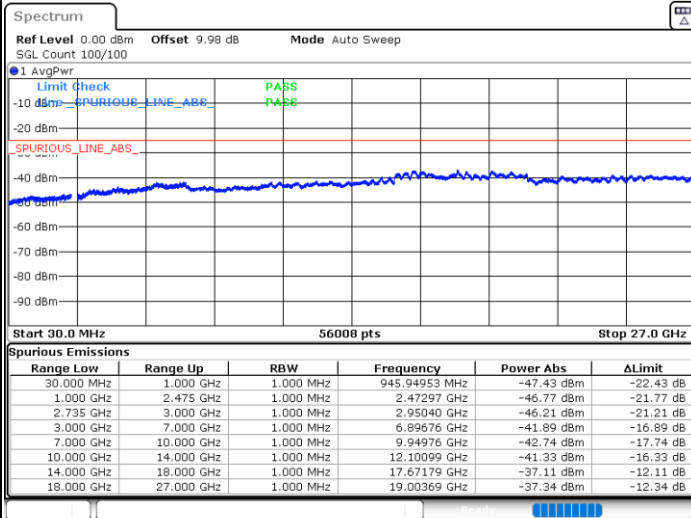




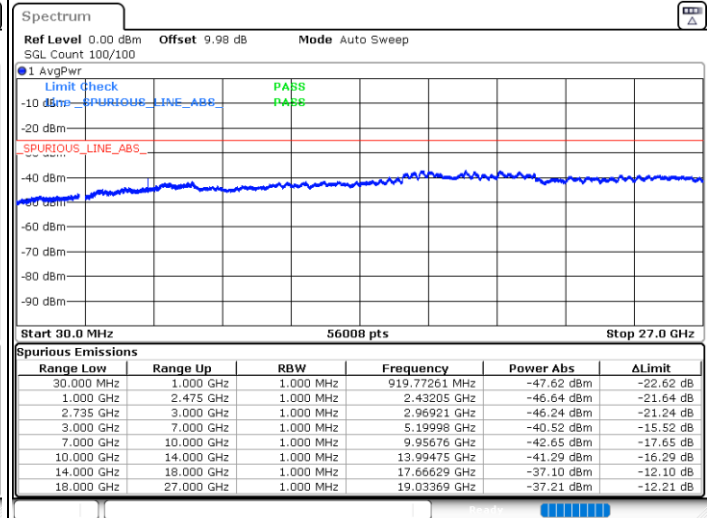
LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

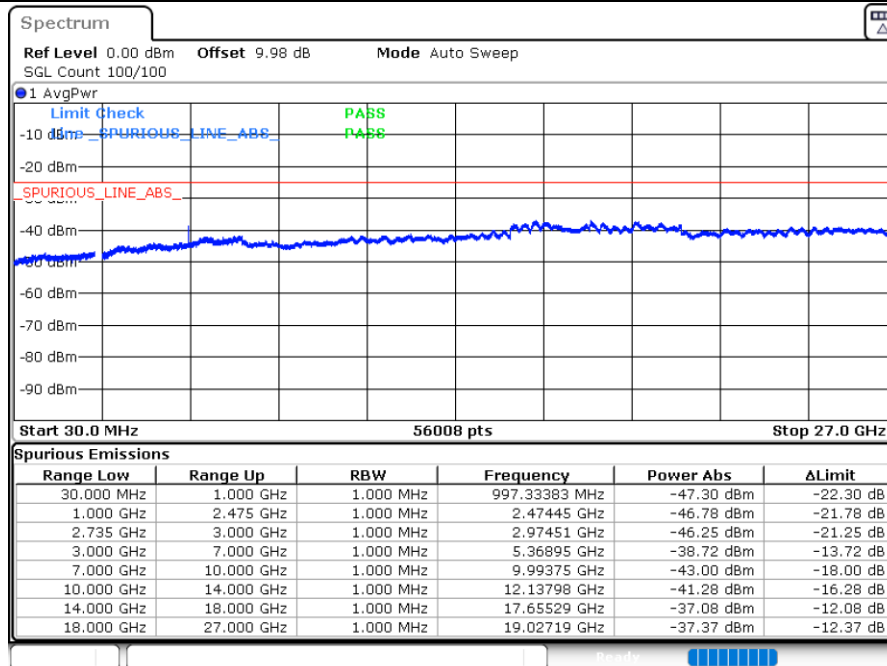


Date: 14.SEP.2024 01:12:00



Date: 14.SEP.2024 01:25:57

Highest Channel / QPSK



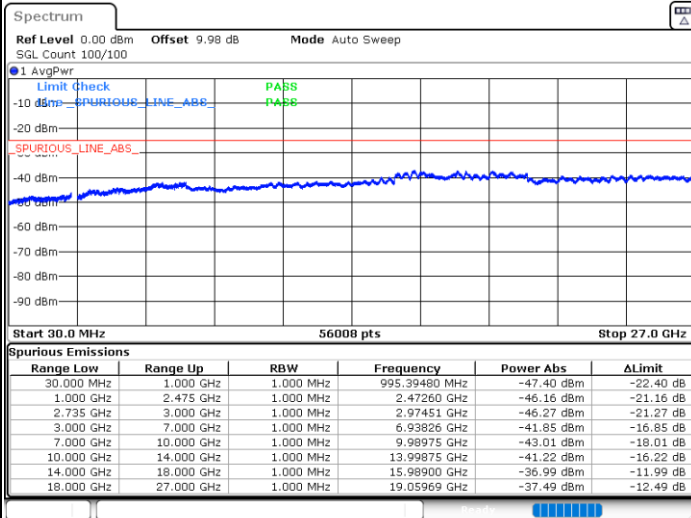
Date: 14.SEP.2024 01:35:57



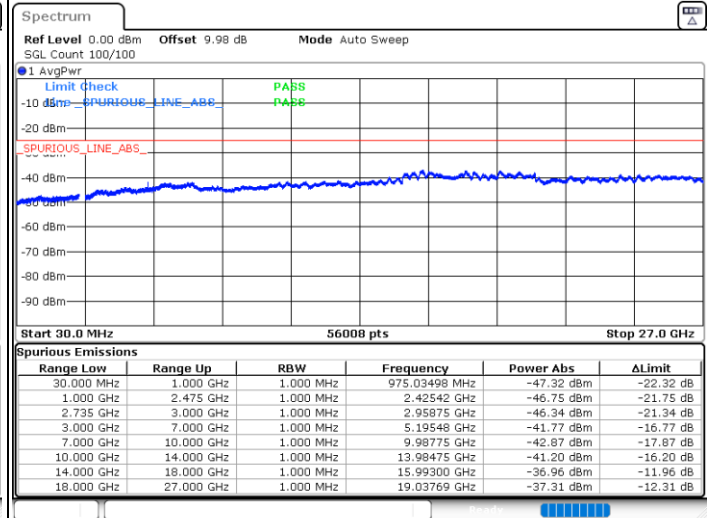
LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

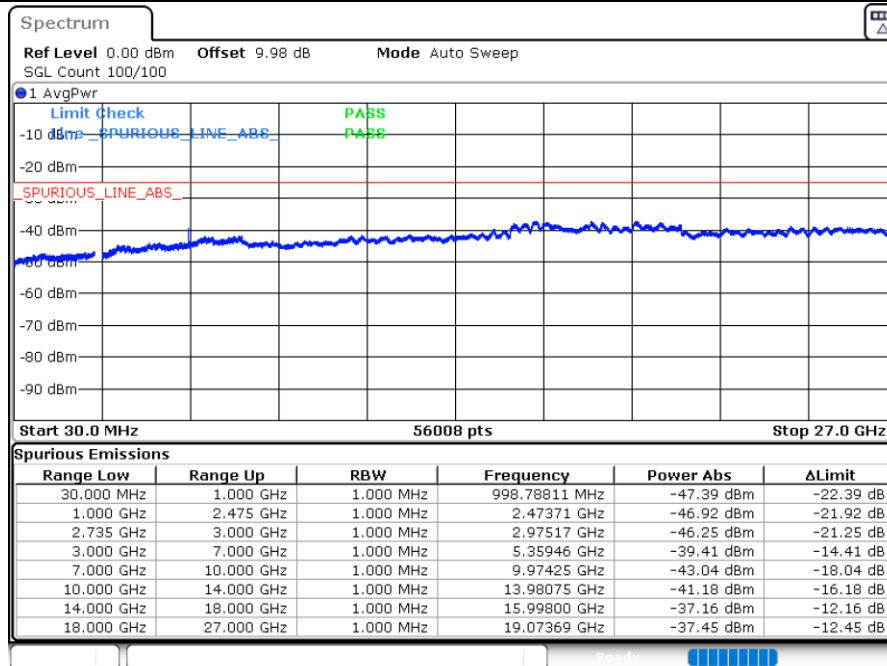


Date: 14.SEP.2024 01:47:17



Date: 14.SEP.2024 02:00:02

Highest Channel / QPSK



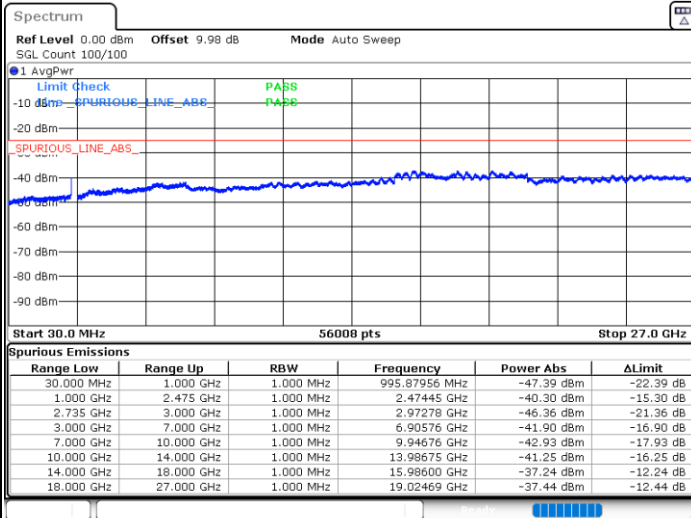
Date: 14.SEP.2024 02:03:55



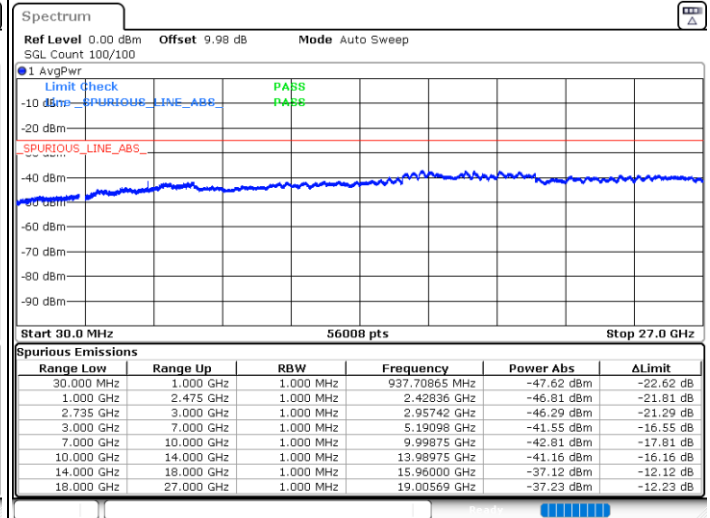
LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

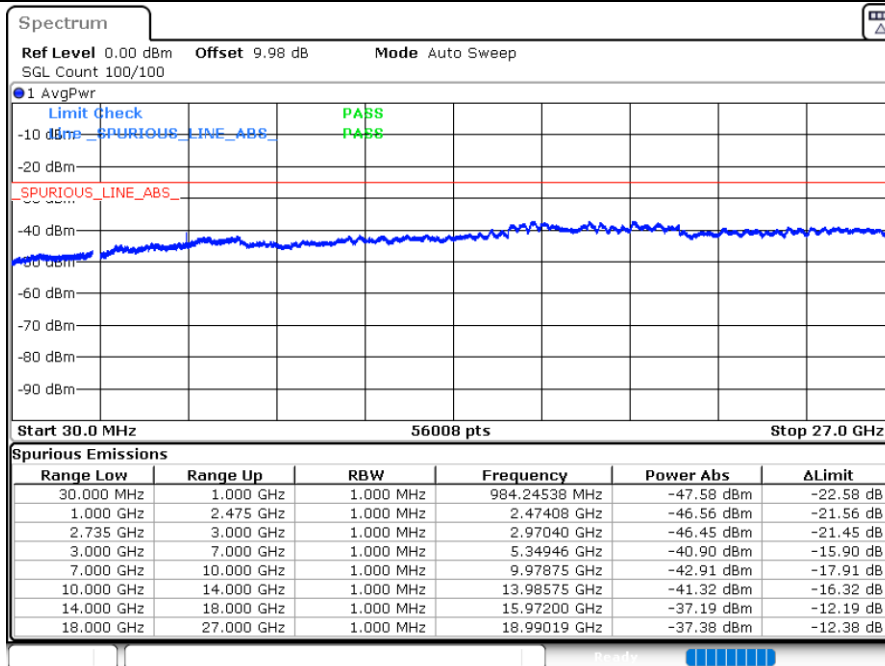


Date: 14.SEP.2024 02:15:09



Date: 14.SEP.2024 02:28:19

Highest Channel / QPSK



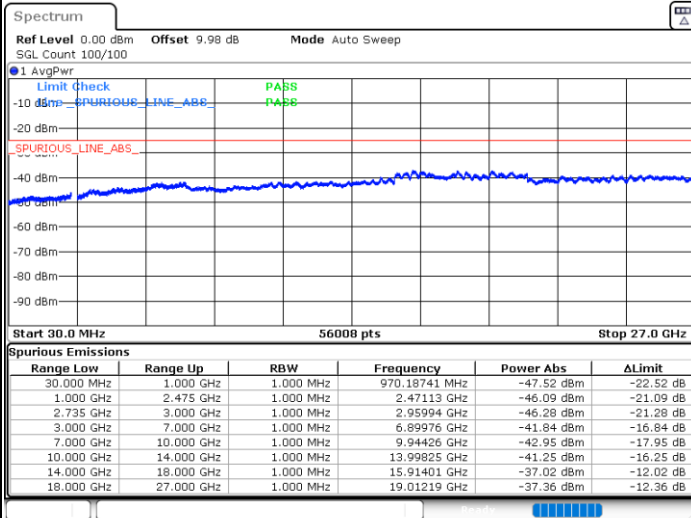
Date: 14.SEP.2024 02:31:09



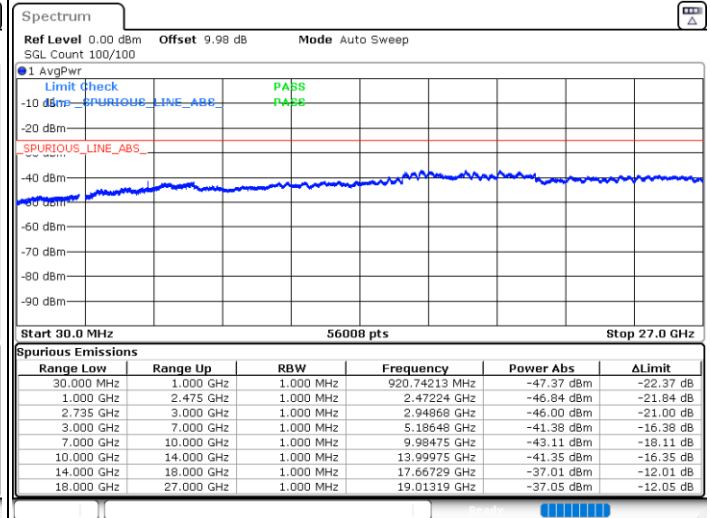
LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

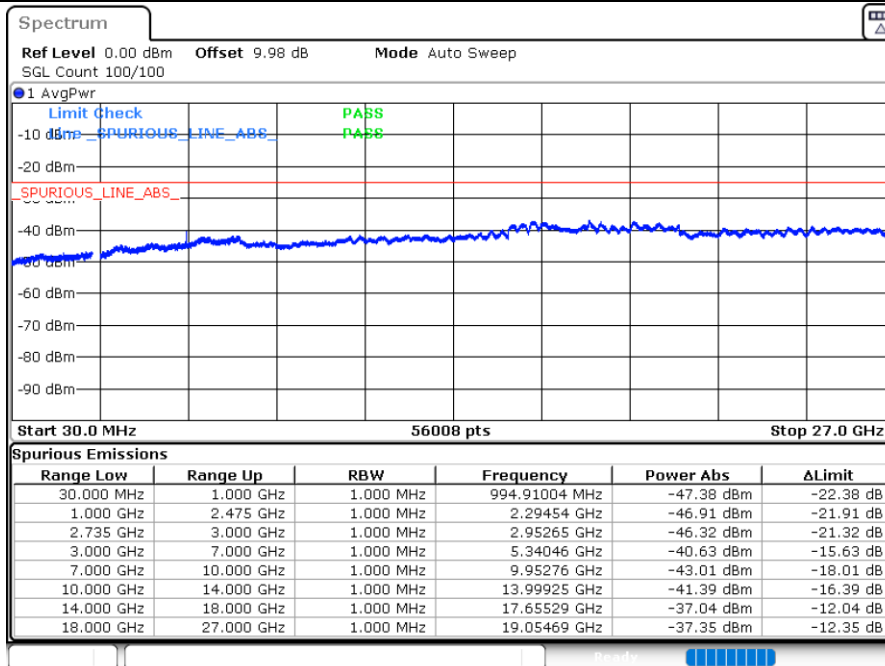


Date: 14.SEP.2024 02:42:25



Date: 14.SEP.2024 02:57:50

Highest Channel / QPSK



Date: 14.SEP.2024 03:03:48

Frequency Stability

Test Conditions		LTE Band 41 (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	0.0029	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0057	
-30	Normal Voltage	0.0063	
20	Maximum Voltage	0.0073	
20	Normal Voltage	0.0026	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 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 :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

RSE pretest all the supported Antennas, only the worst results are shown in the report.

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	5003	-61.63	-25	-36.63	-71.84	3.03	13.24	H
	7503	-62.13	-25	-37.13	-71.58	3.56	13.01	H
	10004	-57.51	-25	-32.51	-67.03	3.92	13.44	H
	5002	-61.23	-25	-36.23	-71.44	3.03	13.24	V
	7503	-60.00	-25	-35.00	-69.45	3.56	13.01	V
	10004	-60.02	-25	-35.02	-69.54	3.92	13.44	V
Middle	5050	-62.94	-25	-37.94	-73.15	3.03	13.24	H
	7578	-61.85	-25	-36.85	-71.30	3.56	13.01	H
	10104	-58.15	-25	-33.15	-67.67	3.92	13.44	H
	5050	-63.15	-25	-38.15	-73.36	3.03	13.24	V
	7584	-59.00	-25	-34.00	-68.45	3.56	13.01	V
	10104	-62.00	-25	-37.00	-71.52	3.92	13.44	V
Highest	5102	-63.15	-25	-38.15	-73.36	3.03	13.24	H
	7653	-57.83	-25	-32.83	-67.28	3.56	13.01	H
	10204	-60.61	-25	-35.61	-70.13	3.92	13.44	H
	5102	-63.74	-25	-38.74	-73.95	3.03	13.24	V
	7653	-56.13	-25	-31.13	-65.58	3.56	13.01	V
	10204	-62.78	-25	-37.78	-72.30	3.92	13.44	V

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



DC_7A_n77A / 20MHz / QPSK / Ant.4 + 9								
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	5002	-65.98	-25	-40.98	-76.19	3.03	13.24	H
	7503	-58.28	-25	-33.28	-67.73	3.56	13.01	H
	10004	-62.55	-25	-37.55	-72.07	3.92	13.44	H
	5002	-65.91	-25	-40.91	-76.12	3.03	13.24	V
	7503	-61.42	-25	-36.42	-70.87	3.56	13.01	V
	10004	-59.87	-25	-34.87	-69.39	3.92	13.44	V
Middle	5050	-65.45	-25	-40.45	-75.66	3.03	13.24	H
	7584	-60.91	-25	-35.91	-70.36	3.56	13.01	H
	10104	-59.60	-25	-34.60	-69.12	3.92	13.44	H
	5050	-65.52	-25	-40.52	-75.73	3.03	13.24	V
	7578	-58.47	-25	-33.47	-67.92	3.56	13.01	V
	10104	-62.36	-25	-37.36	-71.88	3.92	13.44	V
Highest	5106	-65.67	-25	-40.67	-75.88	3.03	13.24	H
	7654	-48.97	-25	-23.97	-58.42	3.56	13.01	H
	10204	-61.08	-25	-36.08	-70.60	3.92	13.44	H
	5106	-65.60	-25	-40.60	-75.81	3.03	13.24	V
	7654	-53.68	-25	-28.68	-63.13	3.56	13.01	V
	10202	-61.00	-25	-36.00	-70.52	3.92	13.44	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	4994	-55.34	-25	-30.34	-65.55	3.03	13.24	H
	7491.27	-55.72	-25	-30.72	-65.17	3.56	13.01	H
	9988.36	-56.27	-25	-31.27	-65.79	3.92	13.44	H
	4994	-51.06	-25	-26.06	-61.27	3.03	13.24	V
	7491.27	-58.96	-25	-33.96	-68.41	3.56	13.01	V
	9988.36	-54.64	-25	-29.64	-64.16	3.92	13.44	V
Middle	5162	-63.15	-25	-38.15	-73.36	3.03	13.24	H
	7752	-58.62	-25	-33.62	-68.07	3.56	13.01	H
	10342	-62.05	-25	-37.05	-71.57	3.92	13.44	H
	5162	-62.40	-25	-37.40	-72.61	3.03	13.24	V
	7752	-53.48	-25	-28.48	-62.93	3.56	13.01	V
	10342	-59.90	-25	-34.90	-69.42	3.92	13.44	V
Highest	5344	-64.04	-25	-39.04	-74.25	3.03	13.24	H
	8018	-60.85	-25	-35.85	-70.30	3.56	13.01	H
	10678	-62.68	-25	-37.68	-72.20	3.92	13.44	H
	5344	-64.59	-25	-39.59	-74.80	3.03	13.24	V
	8018	-61.62	-25	-36.62	-71.07	3.56	13.01	V
	10678	-63.16	-25	-38.16	-72.68	3.92	13.44	V

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



LTE CA_41C/ 20MHz+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	4994	-60.97	-25	-35.97	-71.18	3.03	13.24	H
	7486	-60.92	-25	-35.92	-70.37	3.56	13.01	H
	9992	-61.11	-25	-36.11	-70.63	3.92	13.44	H
	4994	-59.33	-25	-34.33	-69.54	3.03	13.24	V
	7486	-63.67	-25	-38.67	-73.12	3.56	13.01	V
	9992	-61.83	-25	-36.83	-71.35	3.92	13.44	V
	5036	-63.04	-25	-38.04	-73.25	3.03	13.24	H
	7556	-63.10	-25	-38.10	-72.55	3.56	13.01	H
	10062	-62.89	-25	-37.89	-72.41	3.92	13.44	H
	5036	-63.35	-25	-38.35	-73.56	3.03	13.24	V
	7556	-63.11	-25	-38.11	-72.56	3.56	13.01	V
	10062	-62.94	-25	-37.94	-72.46	3.92	13.44	V
Middle	5148	-63.84	-25	-38.84	-74.05	3.03	13.24	H
	7724	-60.87	-25	-35.87	-70.32	3.56	13.01	H
	10300	-61.89	-25	-36.89	-71.41	3.92	13.44	H
	5148	-63.85	-25	-38.85	-74.06	3.03	13.24	V
	7724	-61.85	-25	-36.85	-71.30	3.56	13.01	V
	10300	-60.83	-25	-35.83	-70.35	3.92	13.44	V
	5190	-64.16	-25	-39.16	-74.37	3.03	13.24	H
	7780	-62.92	-25	-37.92	-72.37	3.56	13.01	H
	10370	-62.31	-25	-37.31	-71.83	3.92	13.44	H
	5190	-64.24	-25	-39.24	-74.45	3.03	13.24	V
	7780	-62.77	-25	-37.77	-72.22	3.56	13.01	V
	10370	-62.38	-25	-37.38	-71.90	3.92	13.44	V
Highest	5302	-64.42	-25	-39.42	-74.63	3.03	13.24	H
	7948	-62.30	-25	-37.30	-71.75	3.56	13.01	H
	10608	-63.09	-25	-38.09	-72.61	3.92	13.44	H
	5302	-64.31	-25	-39.31	-74.52	3.03	13.24	V
	7948	-61.62	-25	-36.62	-71.07	3.56	13.01	V
	10608	-63.17	-25	-38.17	-72.69	3.92	13.44	V
	5344	-64.87	-25	-39.87	-75.08	3.03	13.24	H
	8018	-63.55	-25	-38.55	-73.00	3.56	13.01	H
	10678	-62.82	-25	-37.82	-72.34	3.92	13.44	H
	5344	-64.61	-25	-39.61	-74.82	3.03	13.24	V
	8018	-63.59	-25	-38.59	-73.04	3.56	13.01	V
	10678	-62.84	-25	-37.84	-72.36	3.92	13.44	V

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