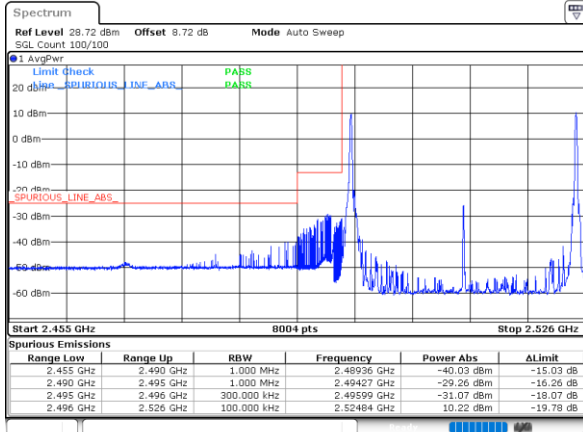




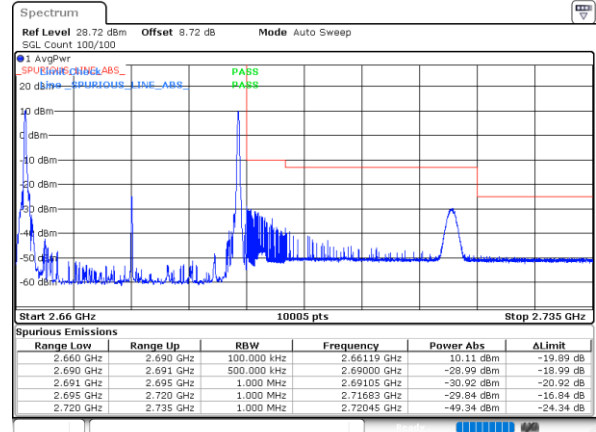
LTE Band 41C / 20MHz+10MHz

16QAM

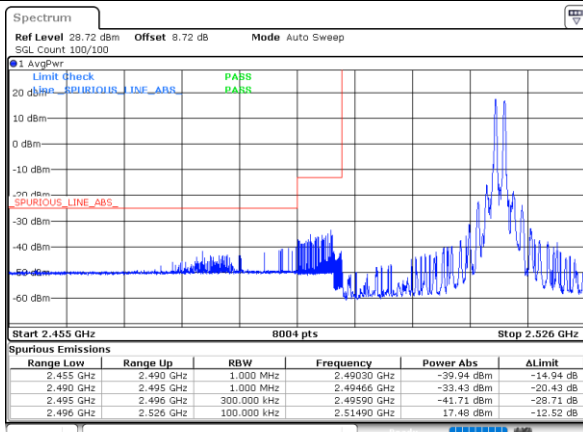
Lowest Band Edge / 1RB0 and 1RB49



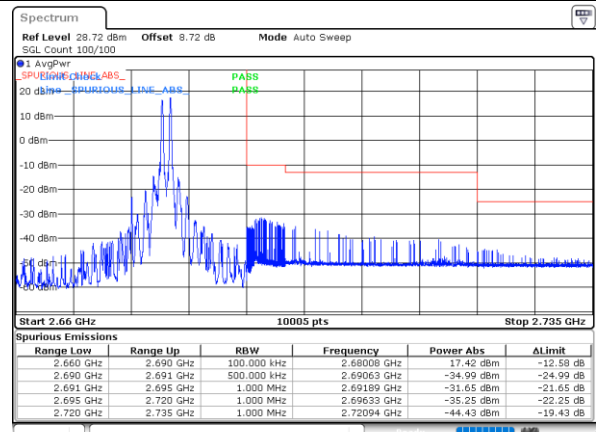
Highest Band Edge / 1RB0 and 1RB49



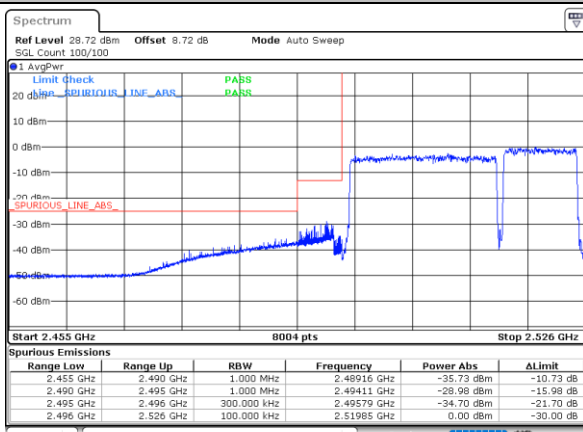
Lowest Band Edge / 1RB99 and 1RB0



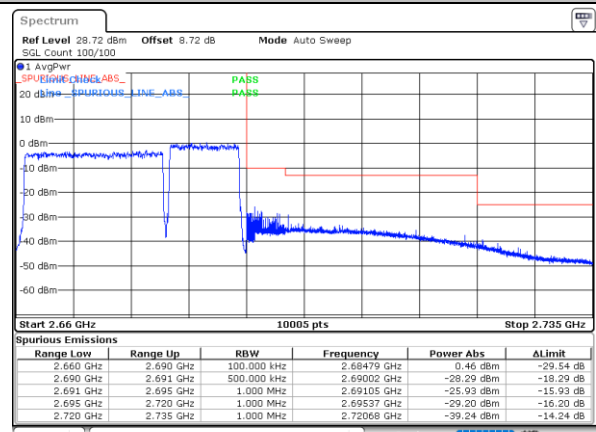
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

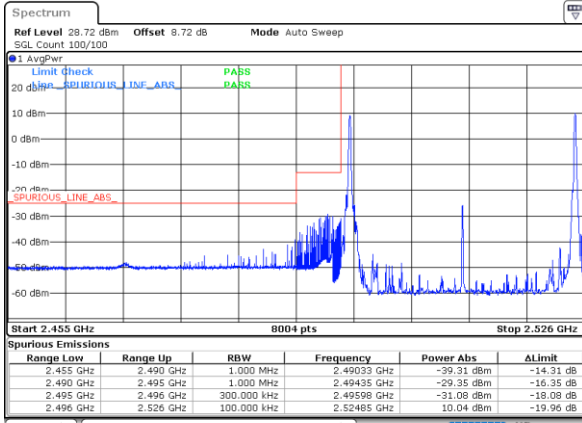




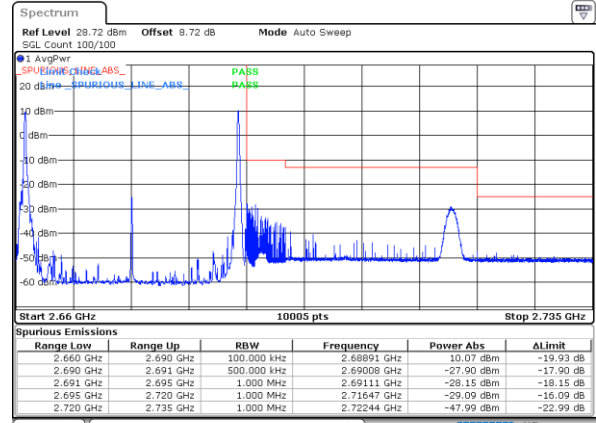
LTE Band 41C / 20MHz+10MHz

64QAM

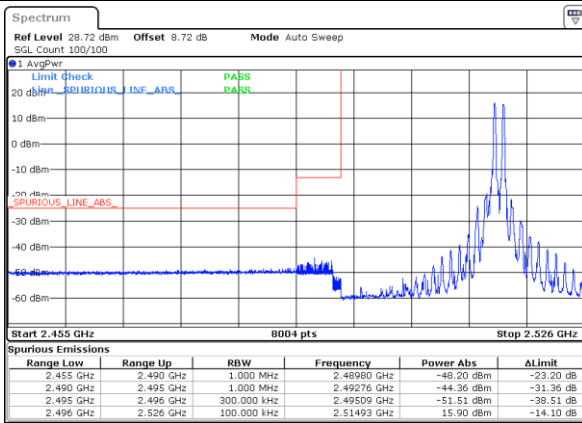
Lowest Band Edge / 1RB0 and 1RB49



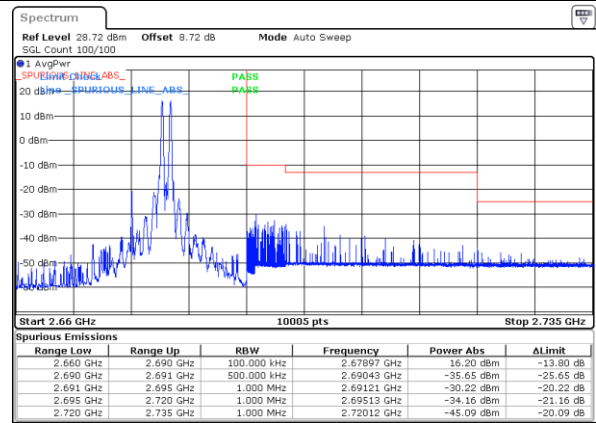
Highest Band Edge / 1RB0 and 1RB49



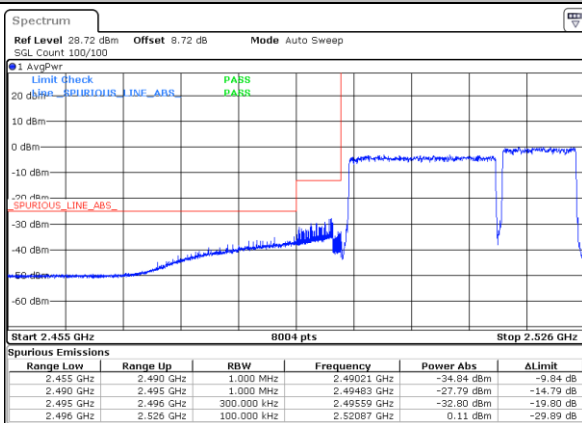
Lowest Band Edge / 1RB99 and 1RB0



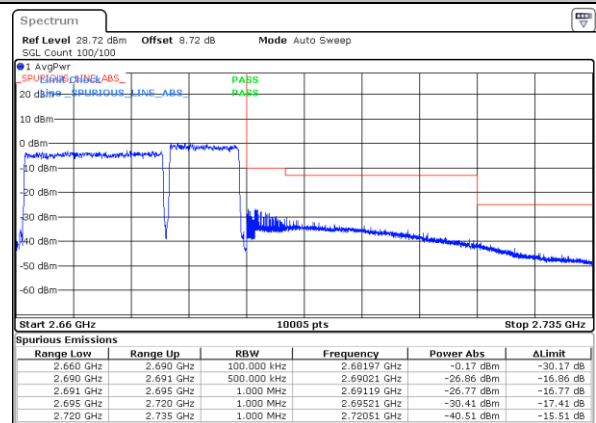
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

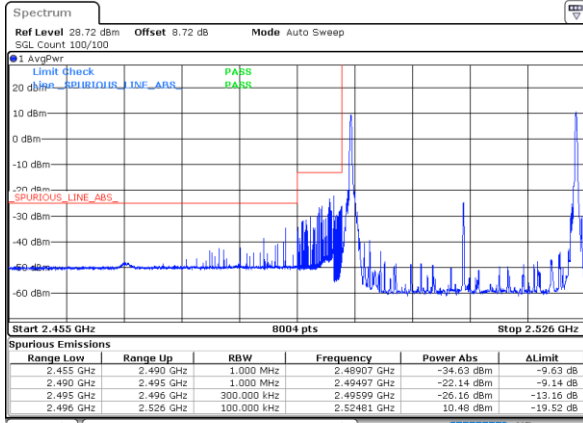




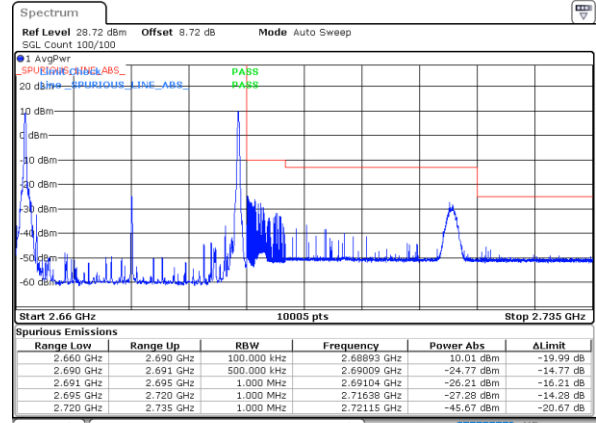
LTE Band 41C / 20MHz+10MHz

256QAM

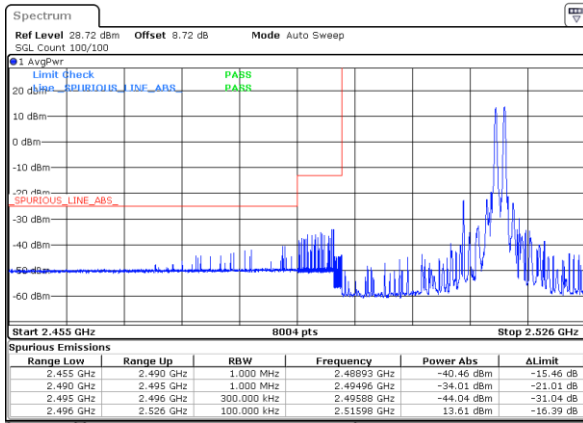
Lowest Band Edge / 1RB0 and 1RB49



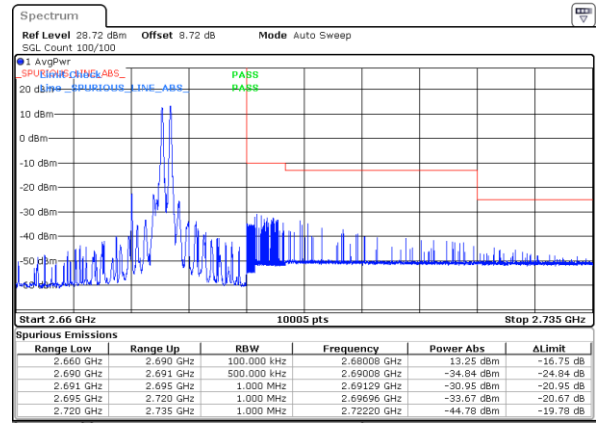
Highest Band Edge / 1RB0 and 1RB49



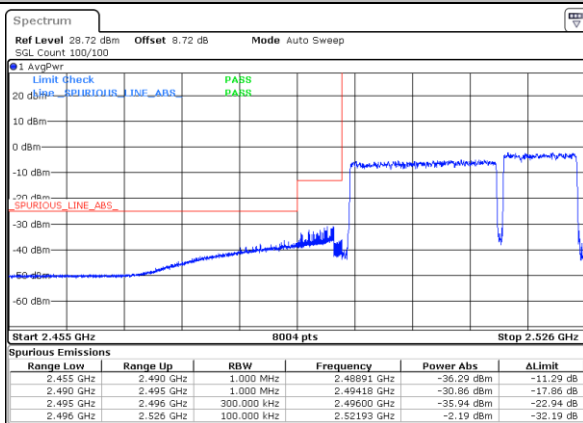
Lowest Band Edge / 1RB99 and 1RB0



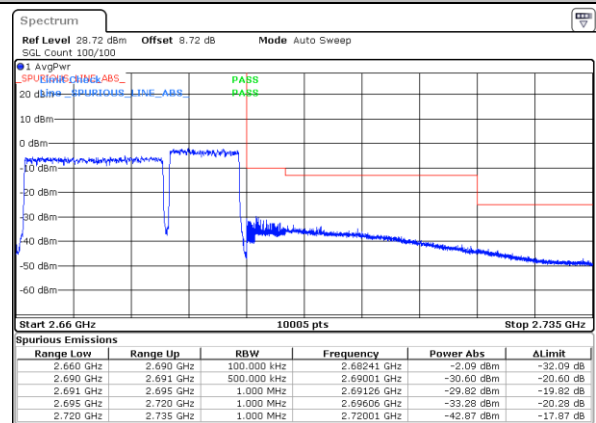
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

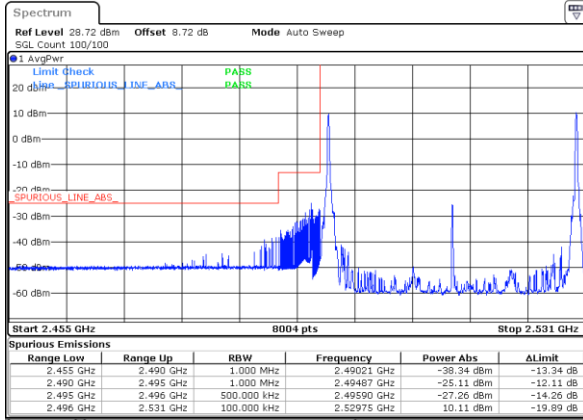




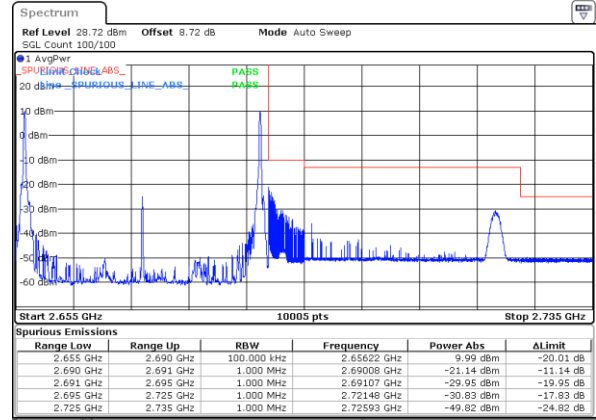
LTE Band 41C / 20MHz+15MHz

QPSK

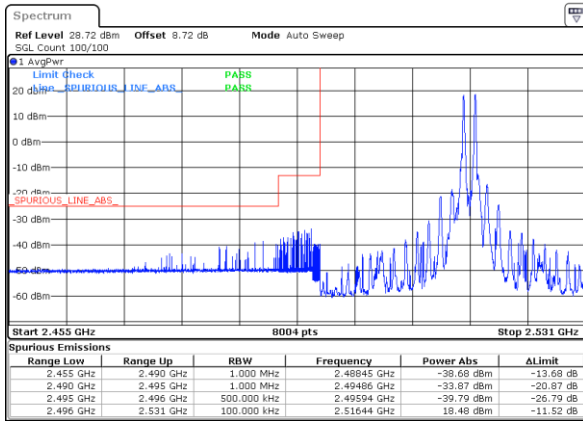
Lowest Band Edge / 1RB0 and 1RB74



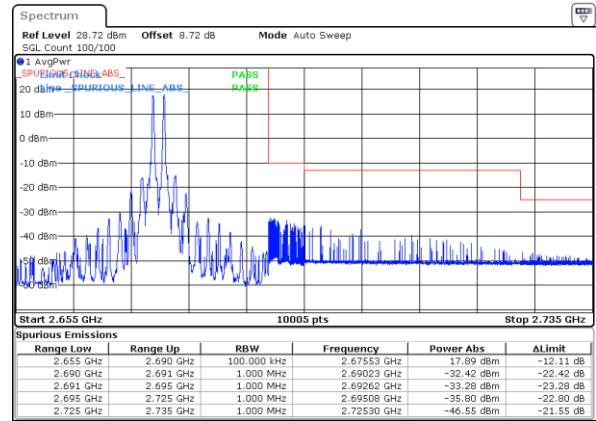
Highest Band Edge / 1RB0 and 1RB74



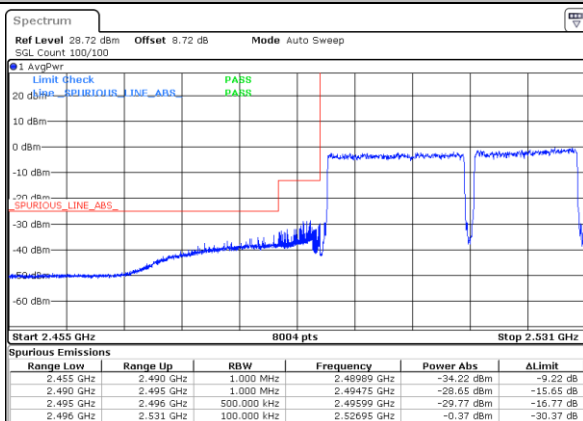
Lowest Band Edge / 1RB99 and 1RB0



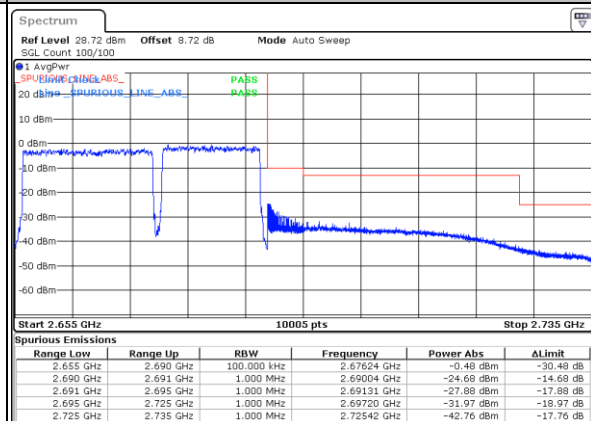
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

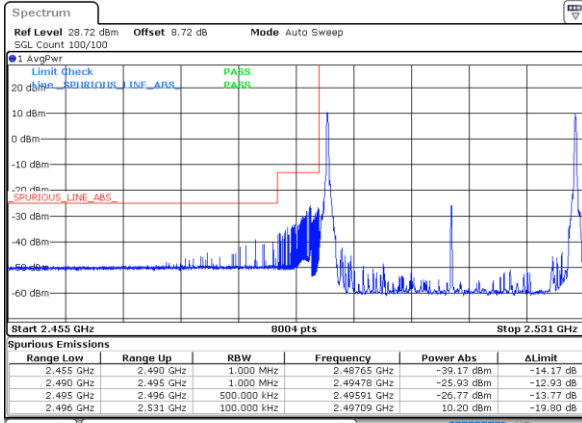




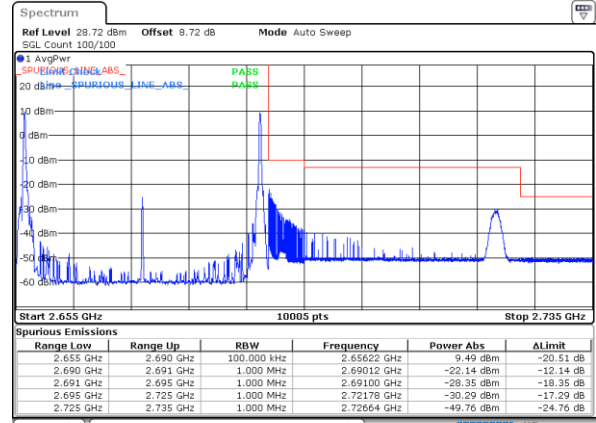
LTE Band 41C / 20MHz+15MHz

16QAM

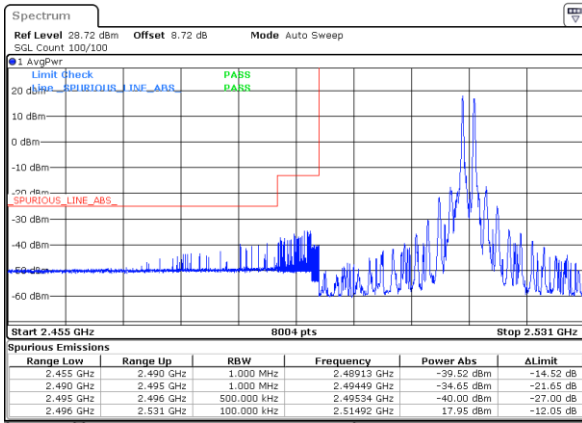
Lowest Band Edge / 1RB0 and 1RB74



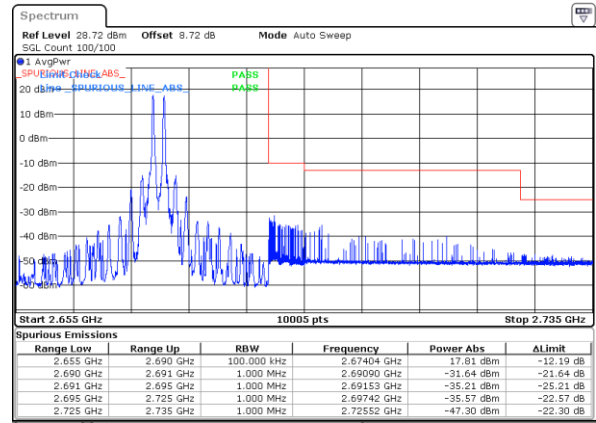
Highest Band Edge / 1RB0 and 1RB74



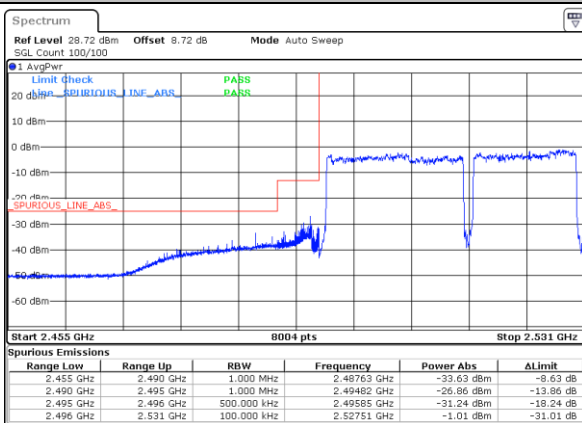
Lowest Band Edge / 1RB99 and 1RB0



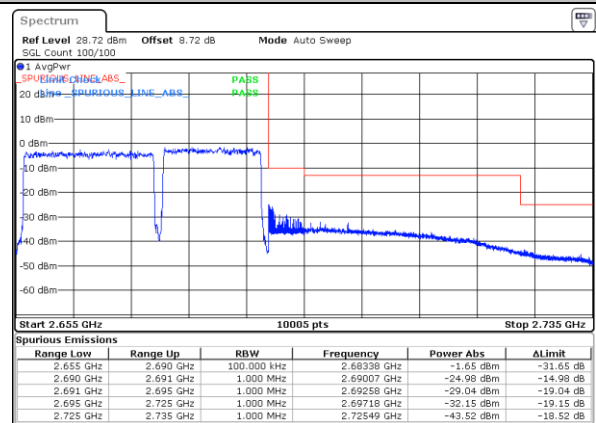
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

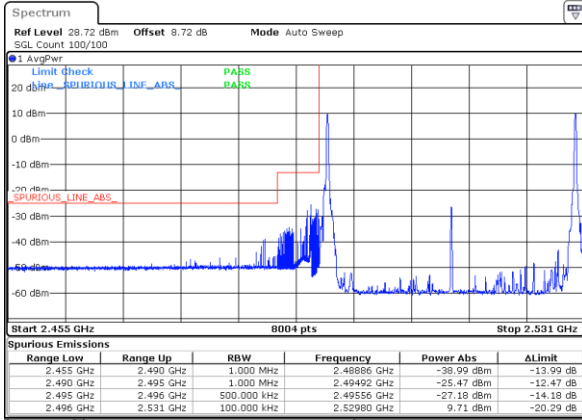




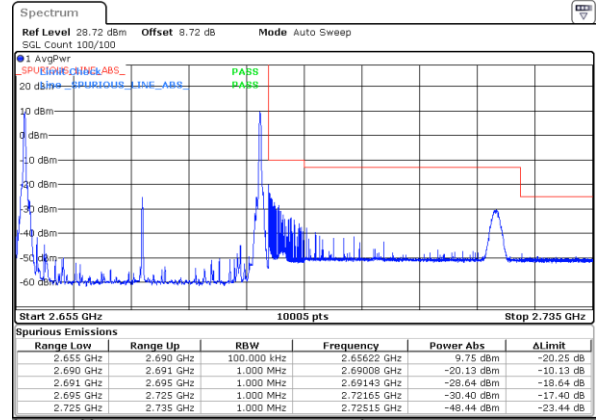
LTE Band 41C / 20MHz+15MHz

64QAM

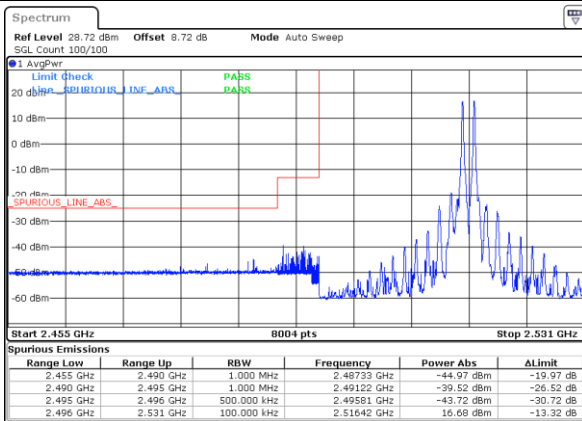
Lowest Band Edge / 1RB0 and 1RB74



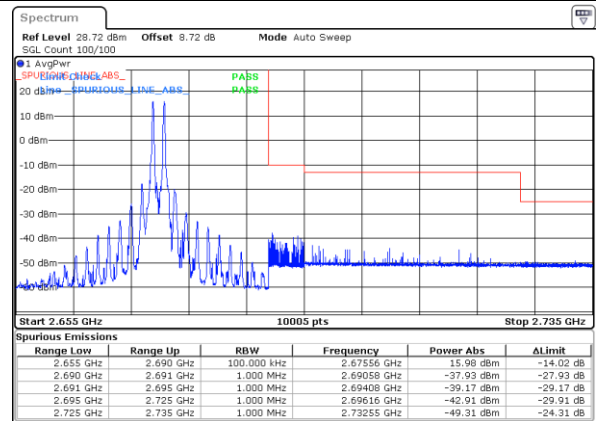
Highest Band Edge / 1RB0 and 1RB74



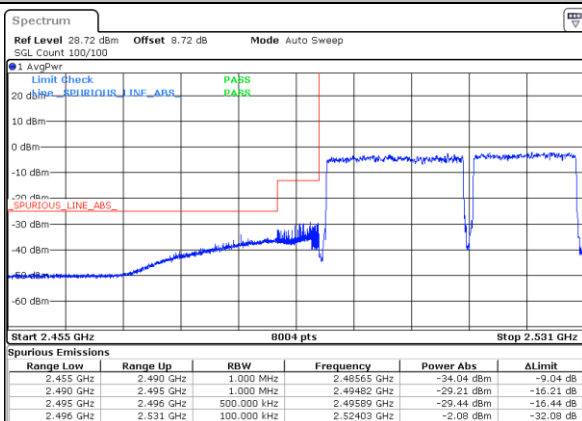
Lowest Band Edge / 1RB99 and 1RB0



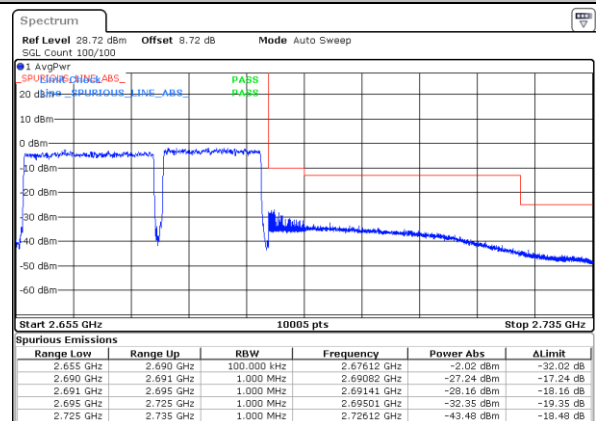
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

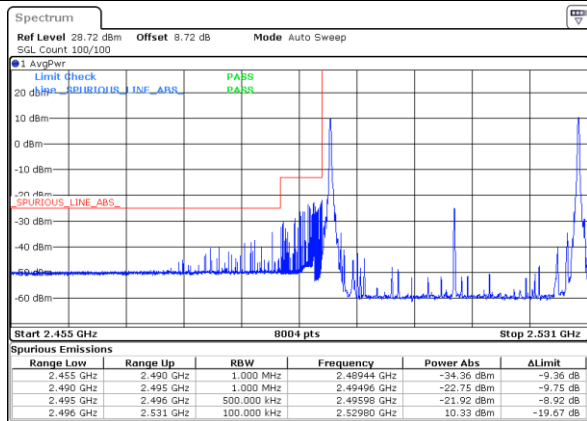




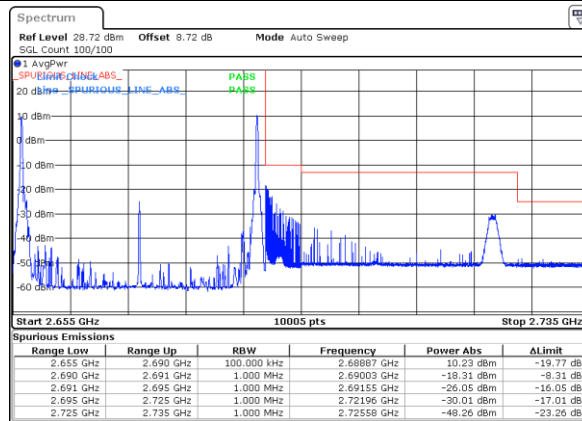
LTE Band 41C / 20MHz+15MHz

256QAM

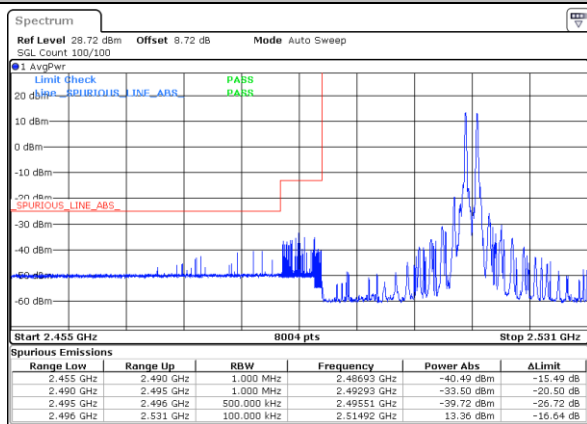
Lowest Band Edge / 1RB0 and 1RB74



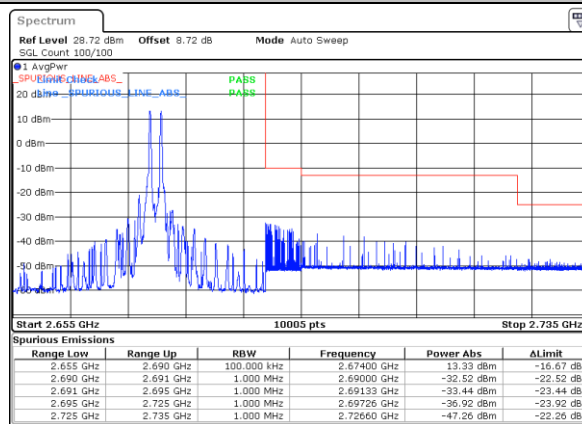
Highest Band Edge / 1RB0 and 1RB74



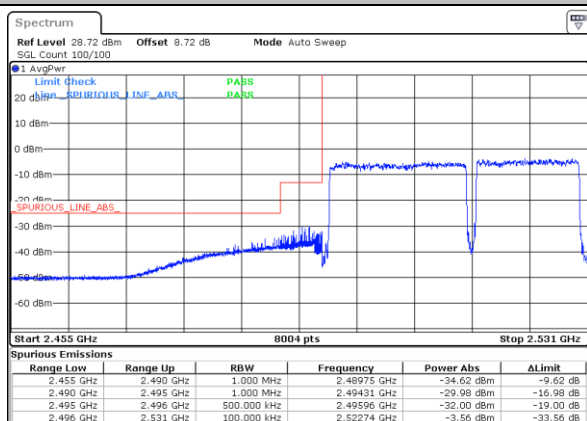
Lowest Band Edge / 1RB99 and 1RB0



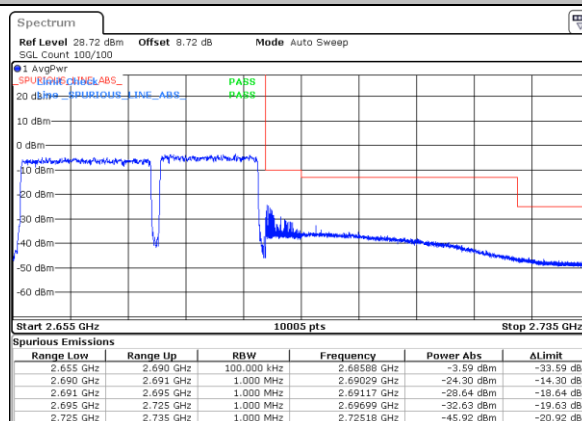
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

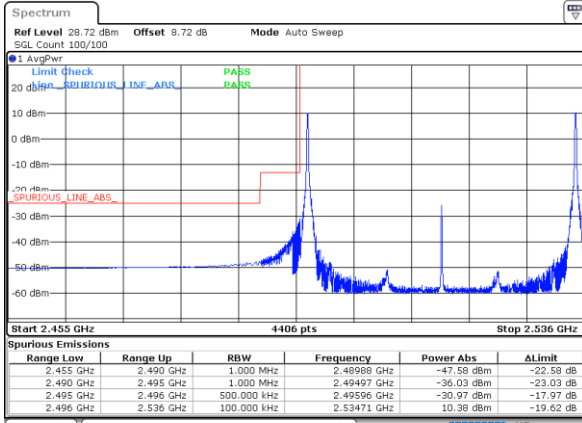




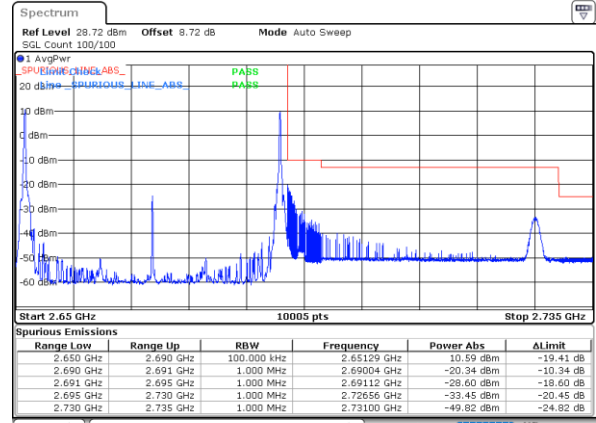
LTE Band 41C / 20MHz+20MHz

QPSK

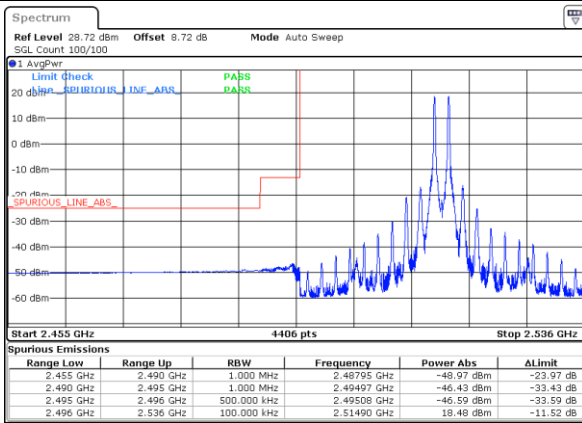
Lowest Band Edge / 1RB0 and 1RB99



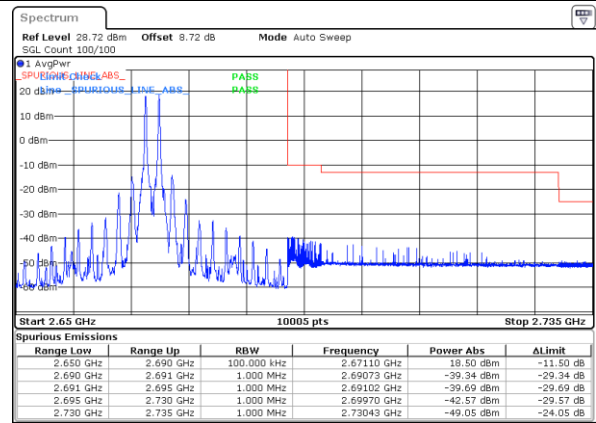
Highest Band Edge / 1RB0 and 1RB99



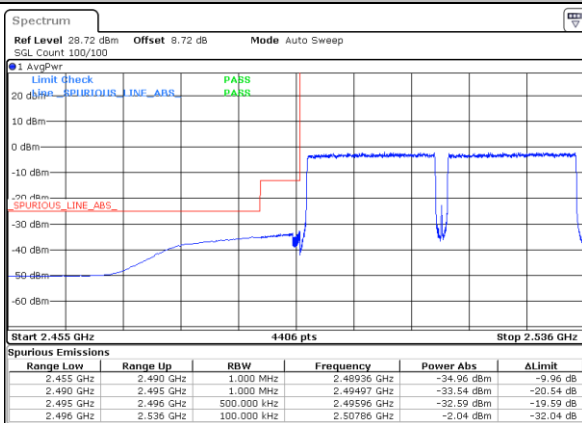
Lowest Band Edge / 1RB99 and 1RB0



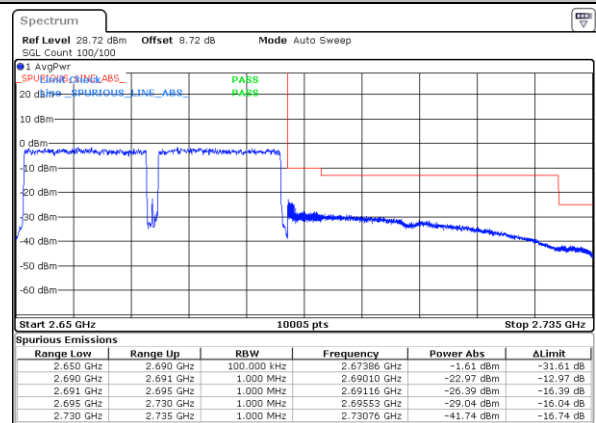
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

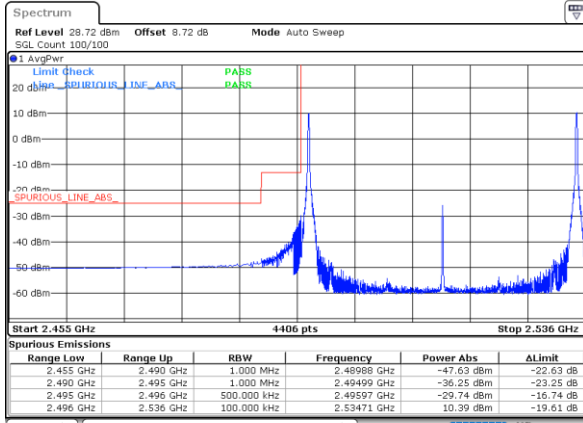




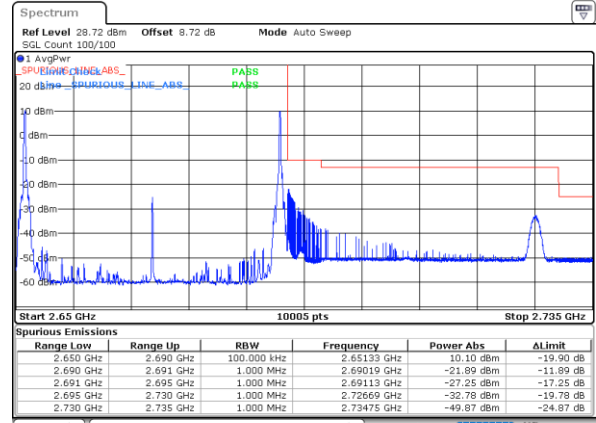
LTE Band 41C / 20MHz+20MHz

16QAM

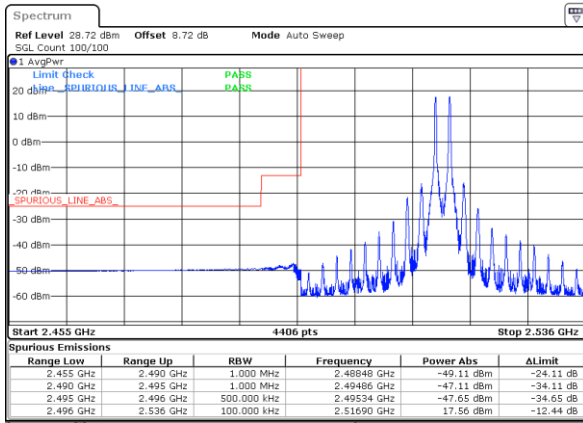
Lowest Band Edge / 1RB0 and 1RB99



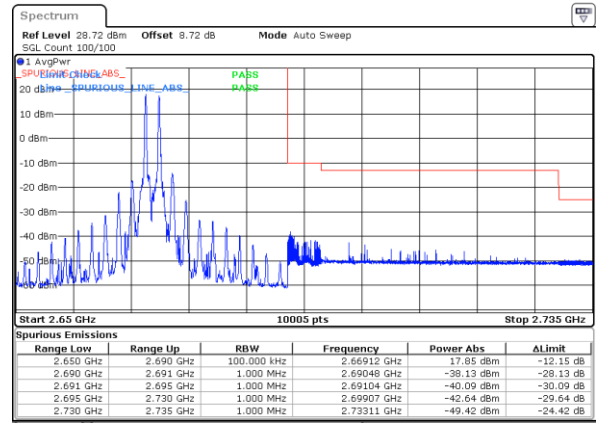
Highest Band Edge / 1RB0 and 1RB99



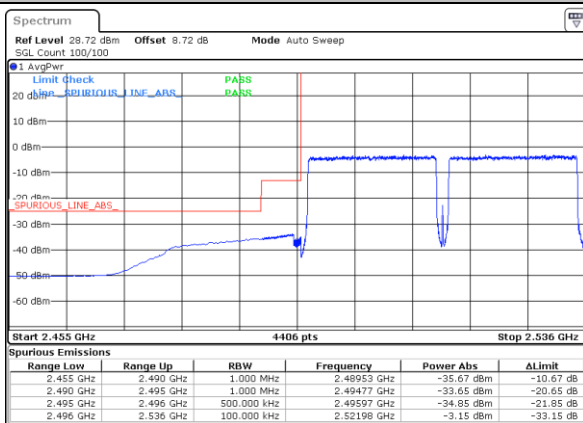
Lowest Band Edge / 1RB99 and 1RB0



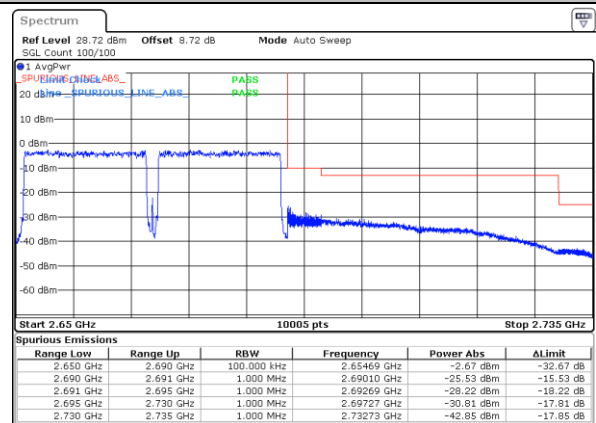
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

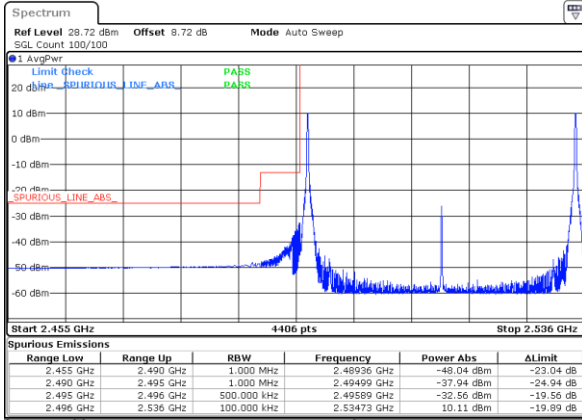




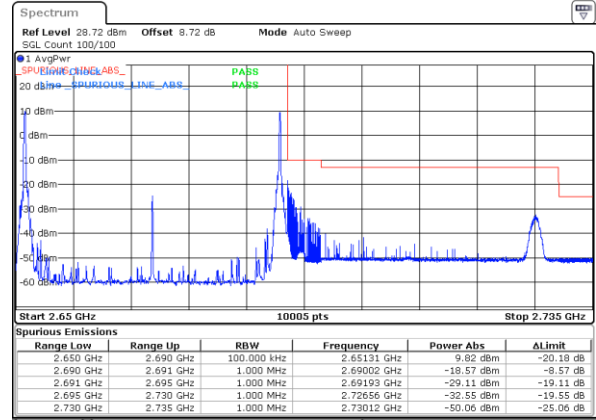
LTE Band 41C / 20MHz+20MHz

64QAM

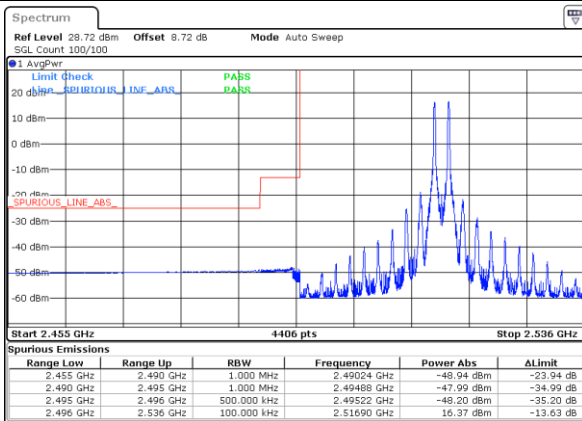
Lowest Band Edge / 1RB0 and 1RB99



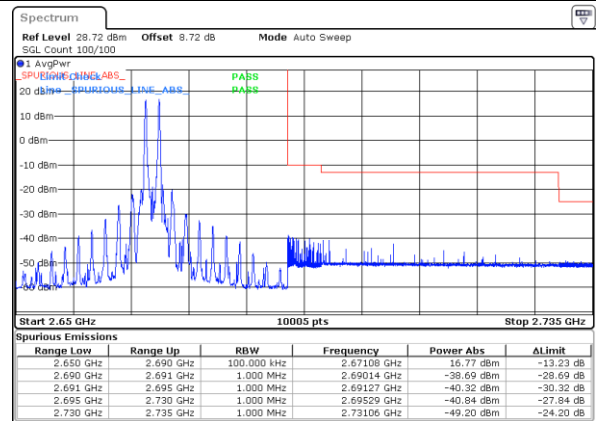
Highest Band Edge / 1RB0 and 1RB99



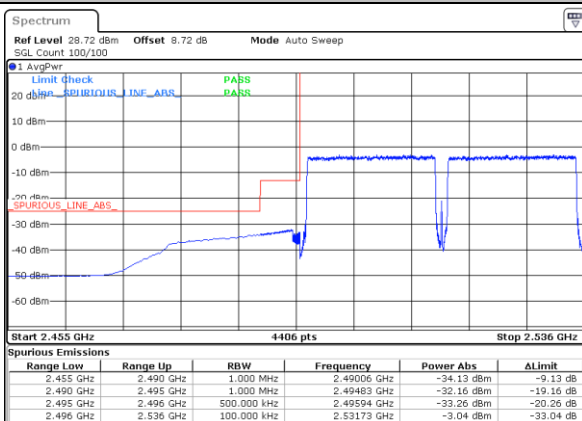
Lowest Band Edge / 1RB99 and 1RB0



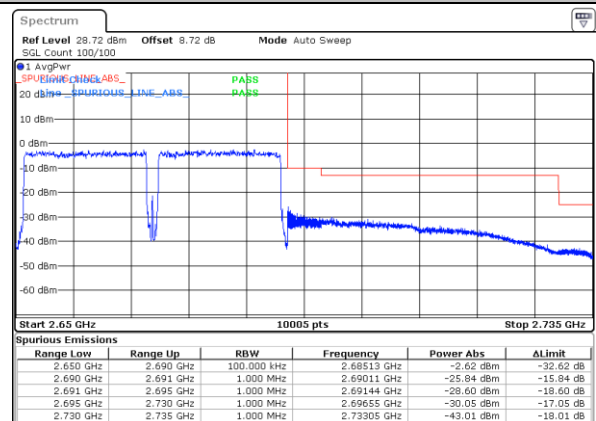
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

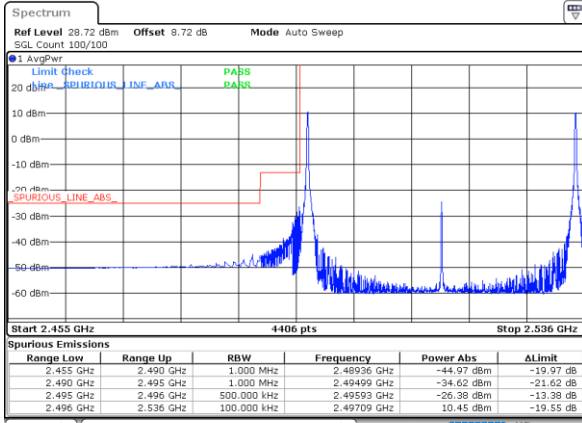




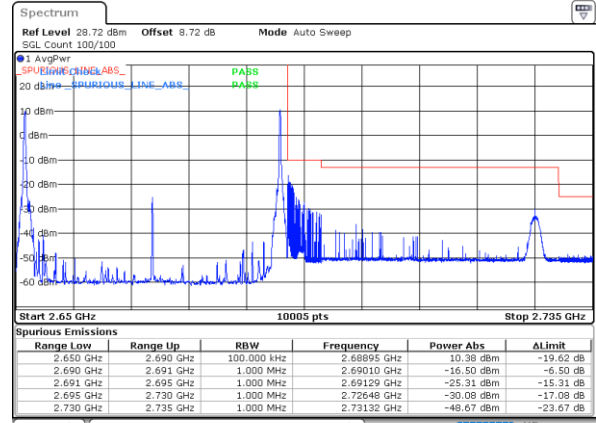
LTE Band 41C / 20MHz+20MHz

256QAM

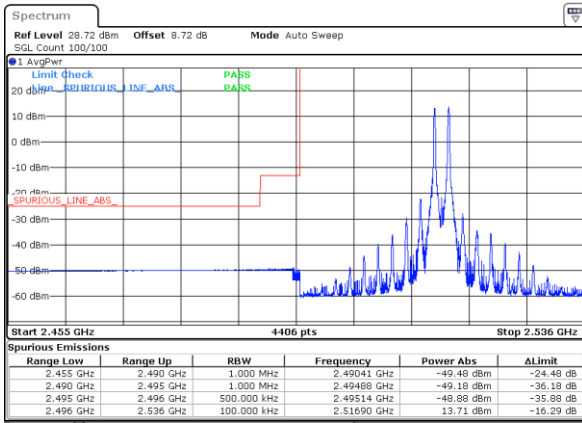
Lowest Band Edge / 1RB0 and 1RB99



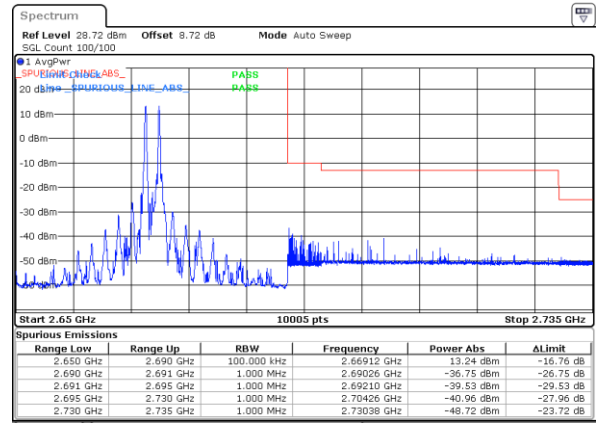
Highest Band Edge / 1RB0 and 1RB99



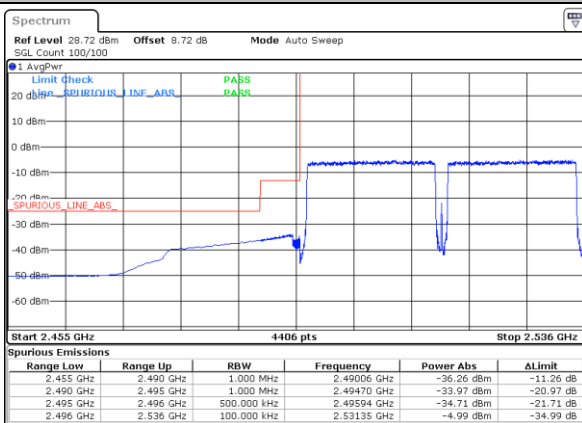
Lowest Band Edge / 1RB99 and 1RB0



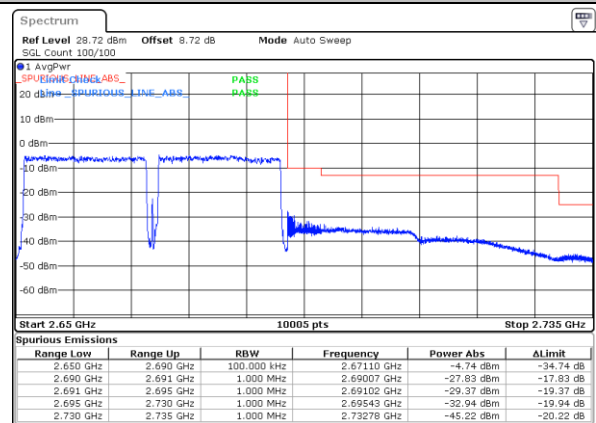
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

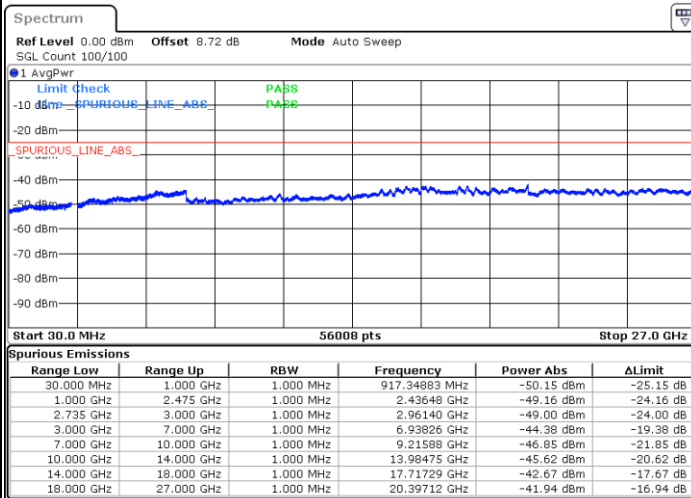




Conducted Spurious Emission

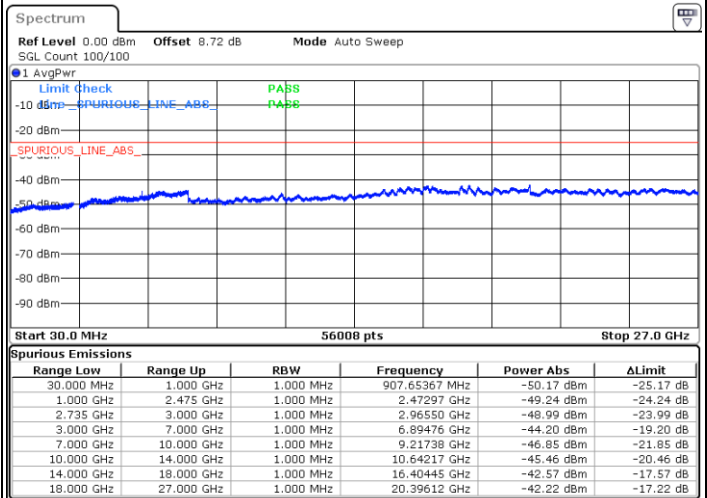
LTE Band 41C / 5MHz+20MHz

Lowest Channel / QPSK



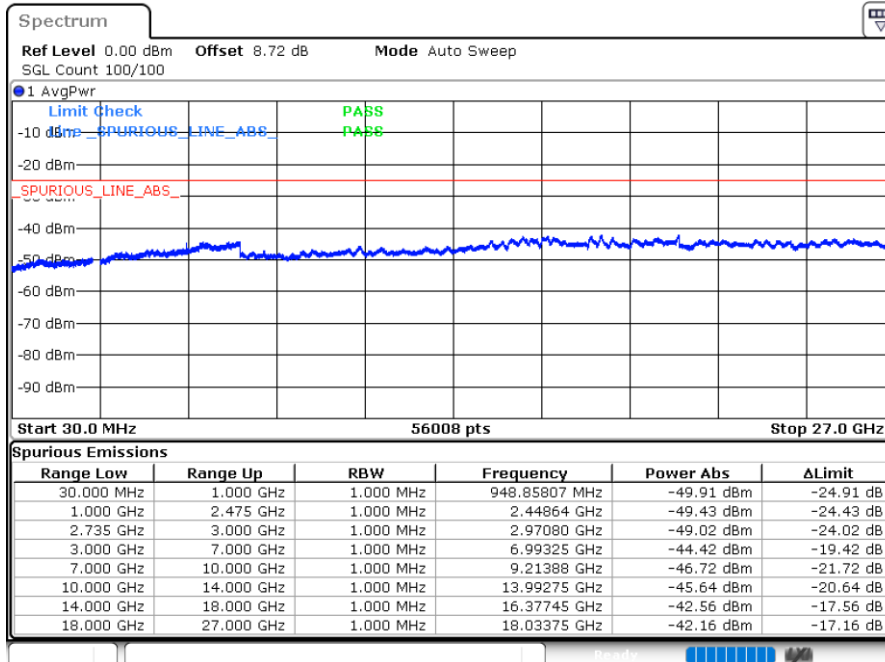
Date: 7.JUL.2024 23:54:57

Middle Channel / QPSK



Date: 8.JUL.2024 00:09:00

Highest Channel / QPSK



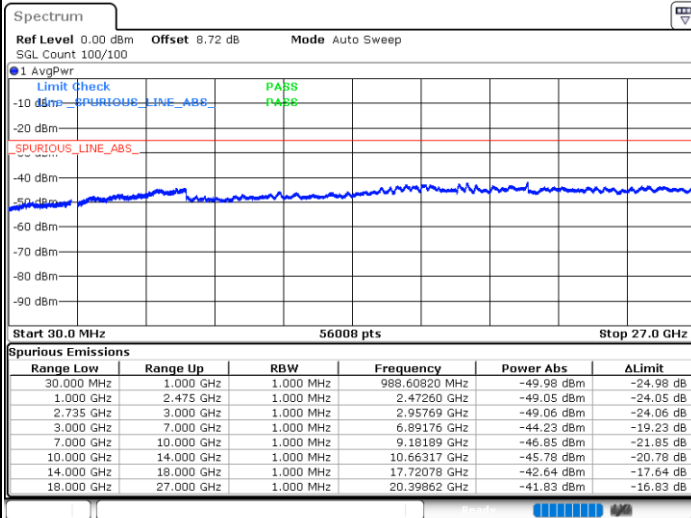
Date: 8.JUL.2024 00:10:39



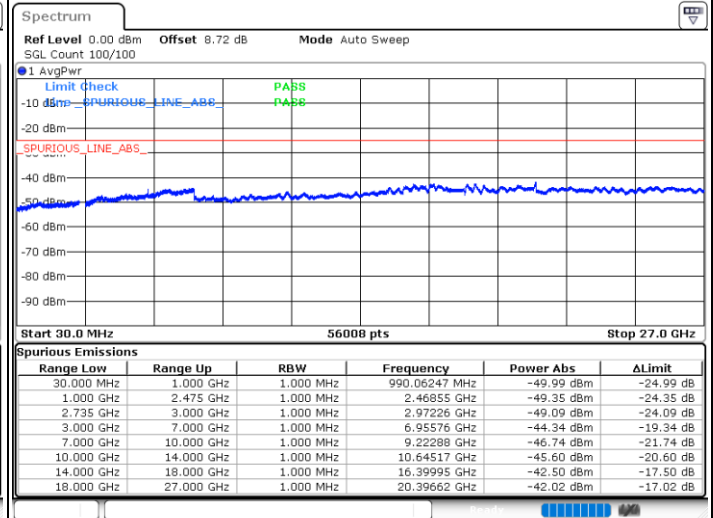
LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

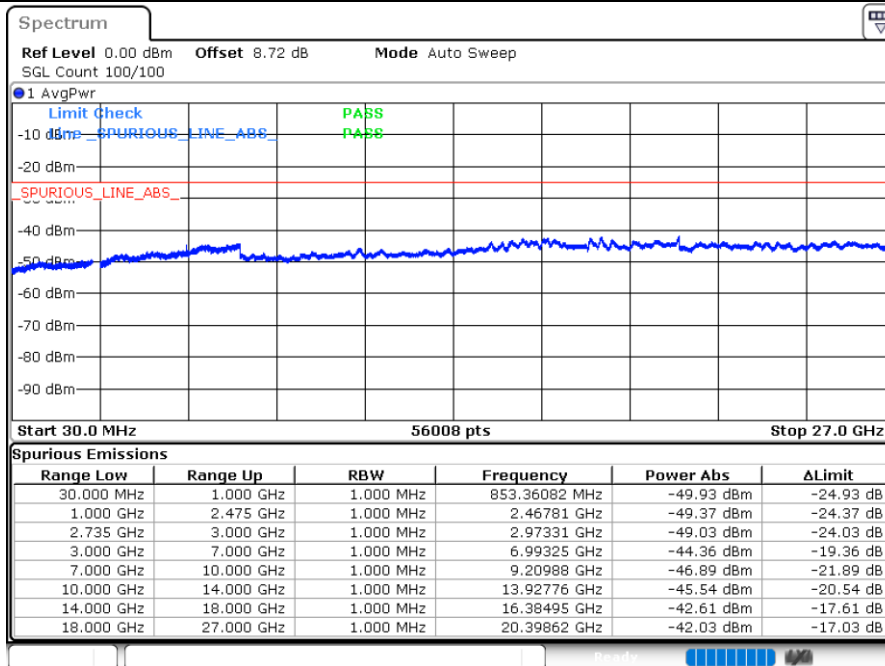


Date: 8.JUL.2024 00:24:33



Date: 8.JUL.2024 00:38:17

Highest Channel / QPSK



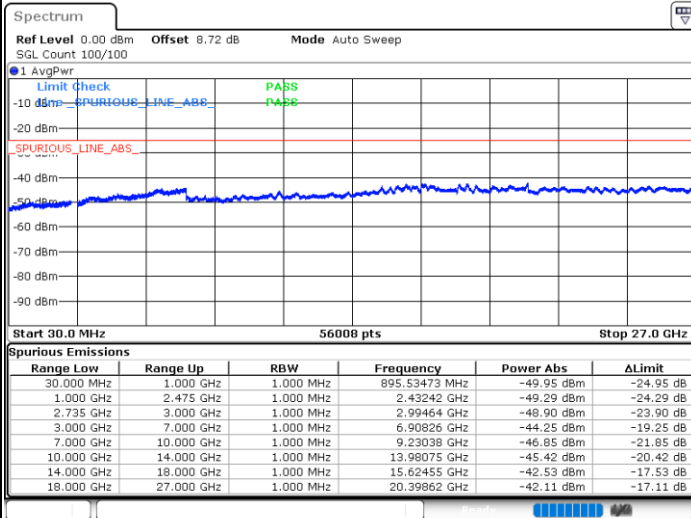
Date: 8.JUL.2024 00:39:56



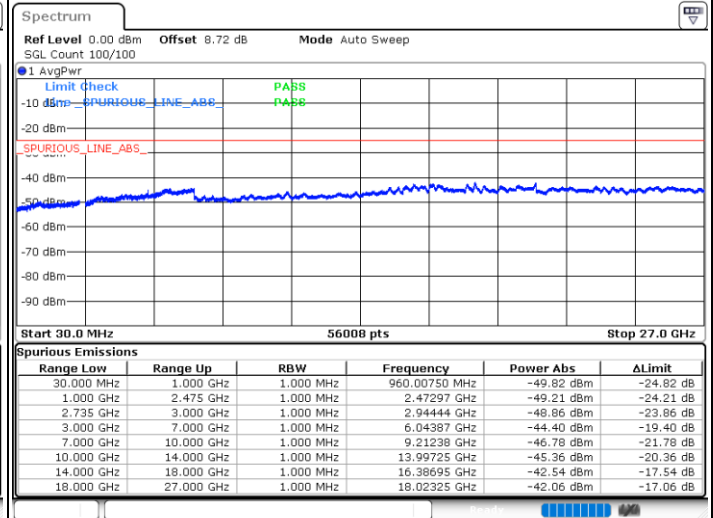
LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

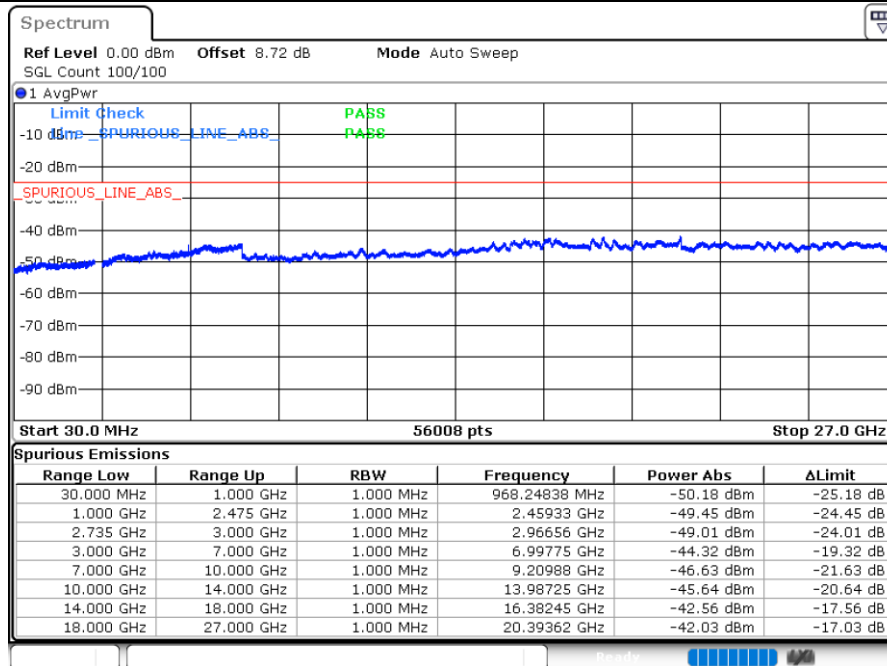


Date: 8.JUL.2024 00:53:49



Date: 8.JUL.2024 01:07:53

Highest Channel / QPSK



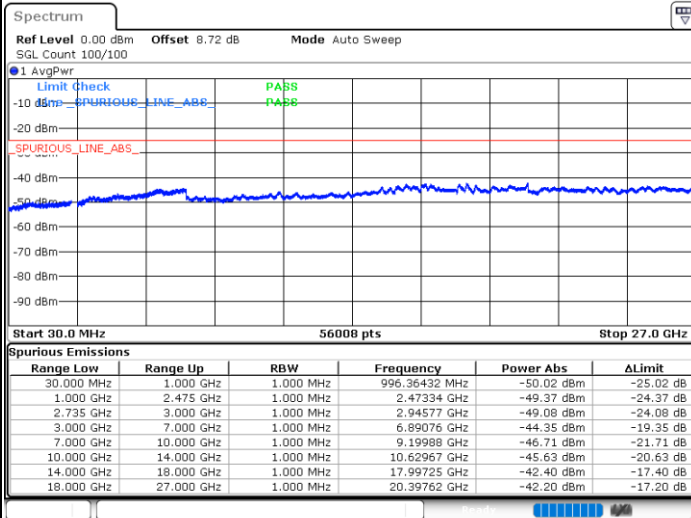
Date: 8.JUL.2024 01:09:33



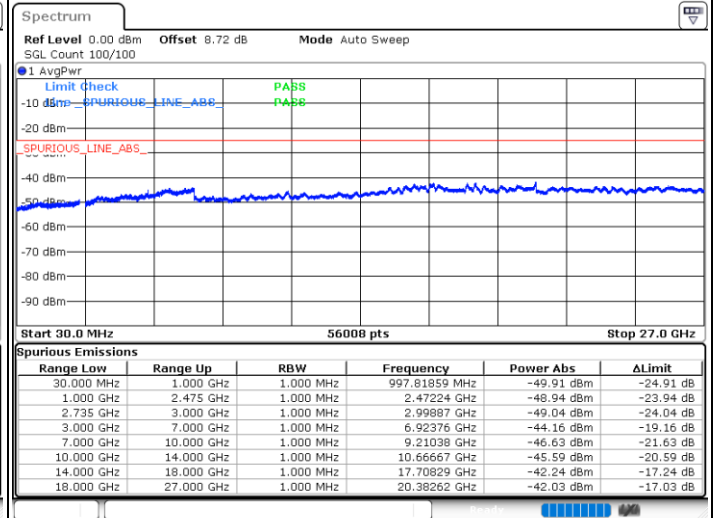
LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

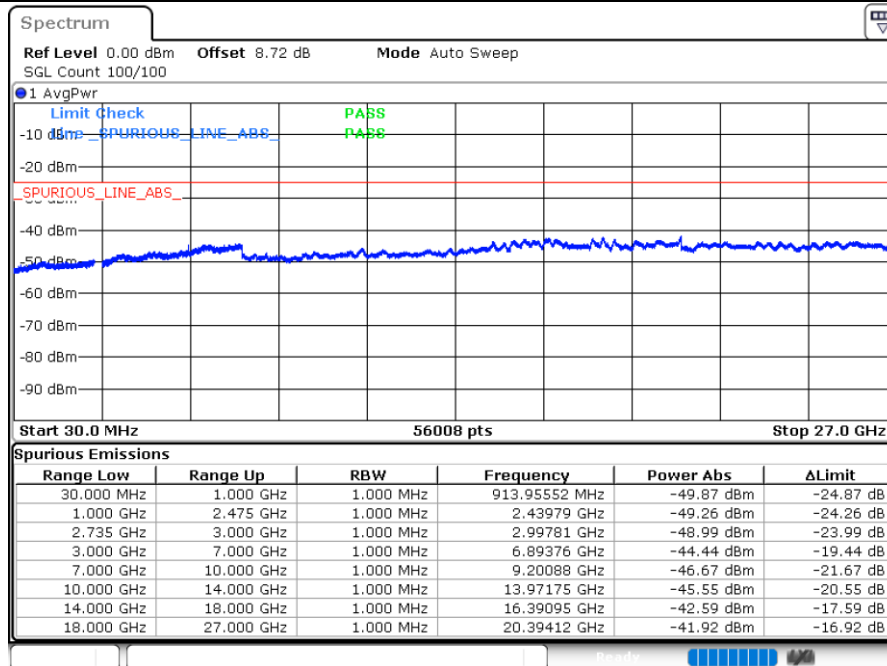


Date: 8.JUL.2024 01:23:29



Date: 8.JUL.2024 01:37:24

Highest Channel / QPSK



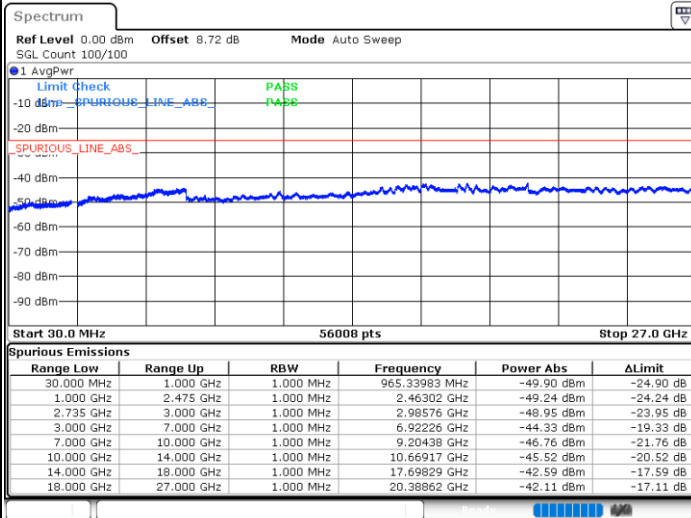
Date: 8.JUL.2024 01:39:04



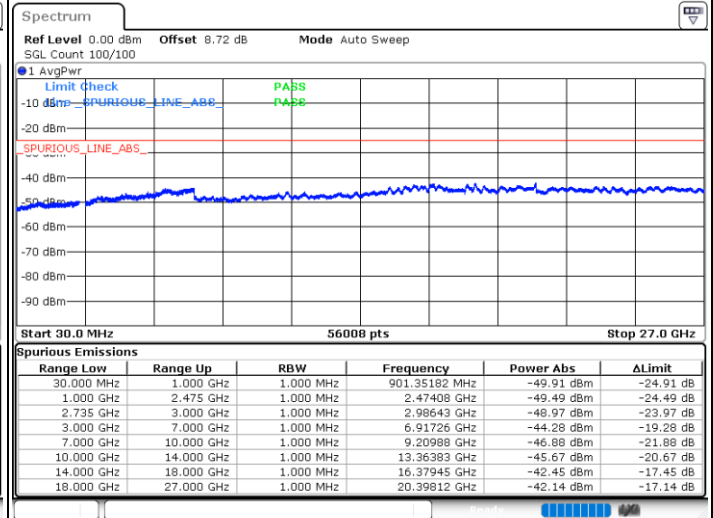
LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

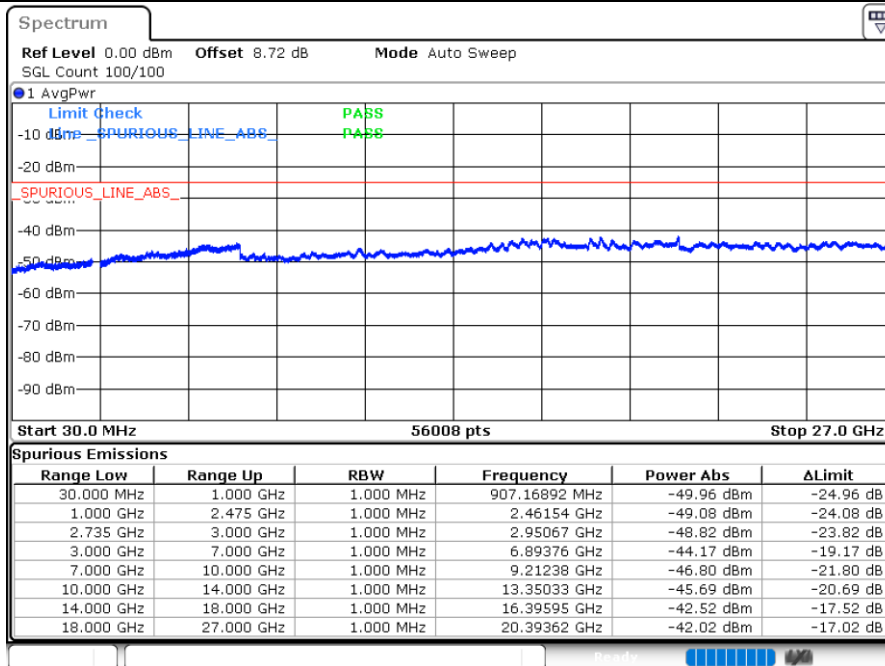


Date: 8.JUL.2024 01:52:56



Date: 8.JUL.2024 02:06:30

Highest Channel / QPSK



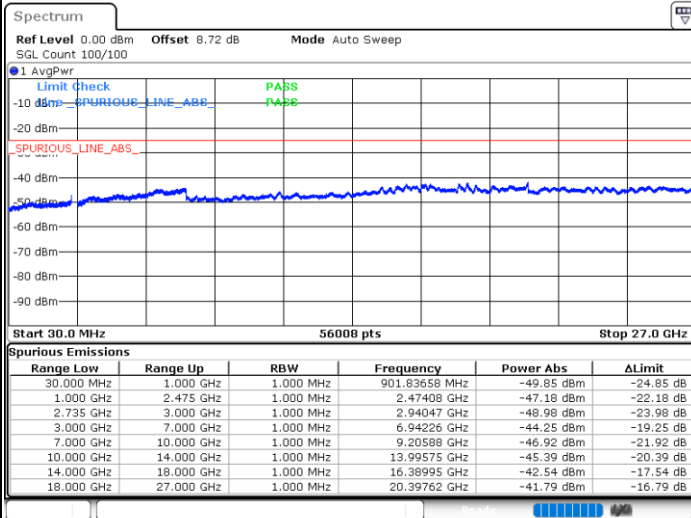
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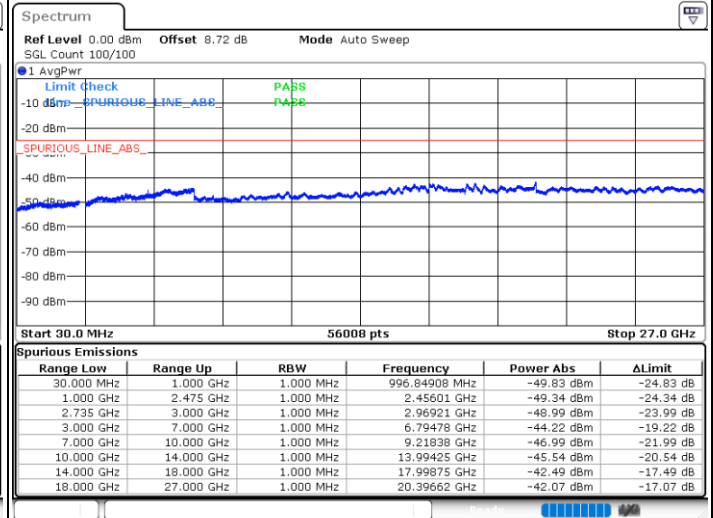
LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

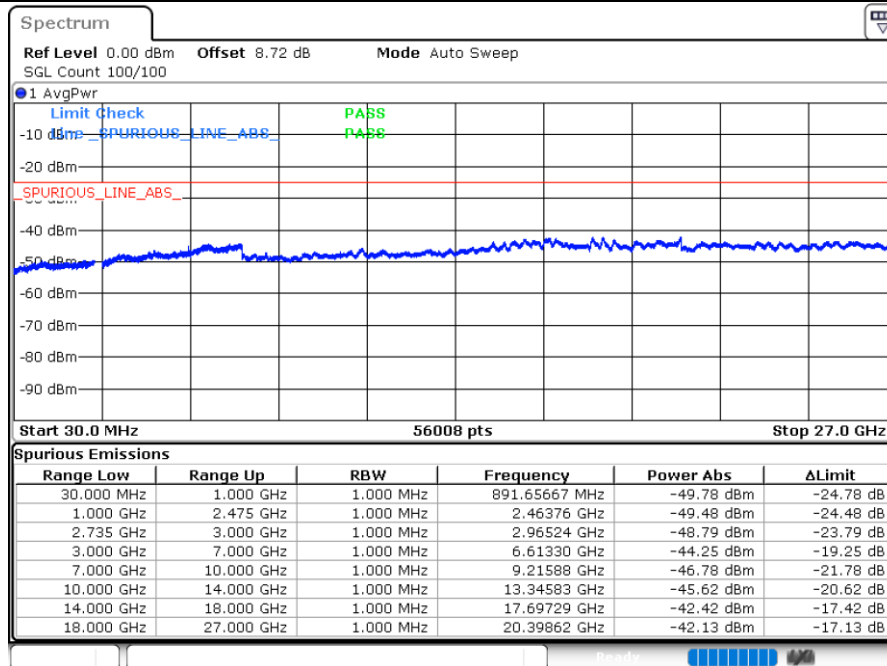


Date: 8.JUL.2024 02:21:40



Date: 8.JUL.2024 02:35:37

Highest Channel / QPSK



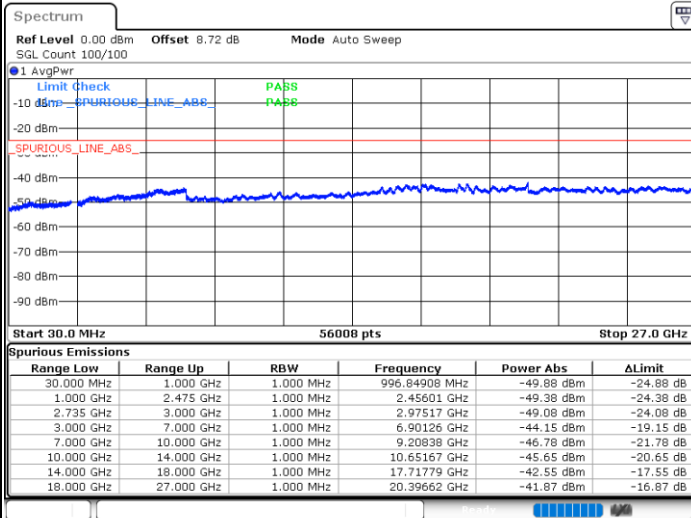
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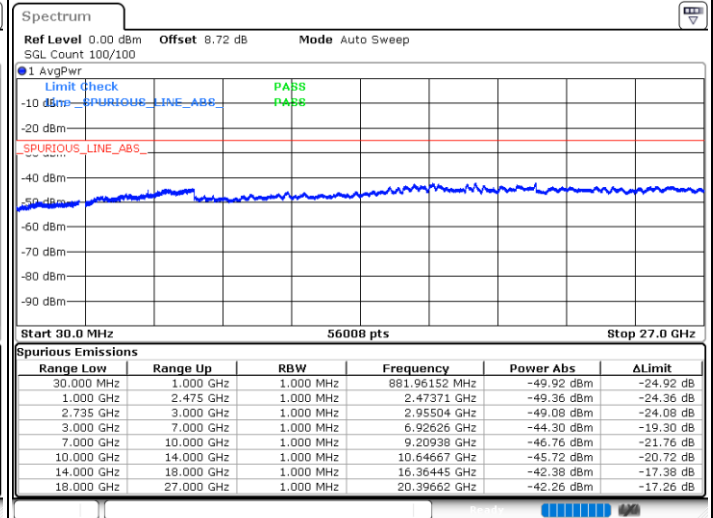
LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

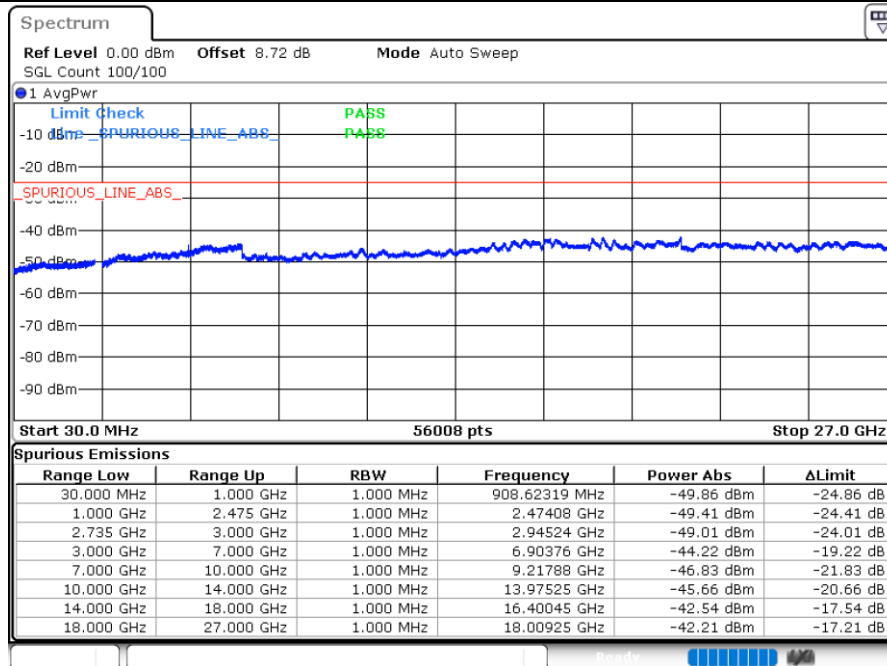


Date: 8.JUL.2024 02:51:13



Date: 8.JUL.2024 03:05:10

Highest Channel / QPSK



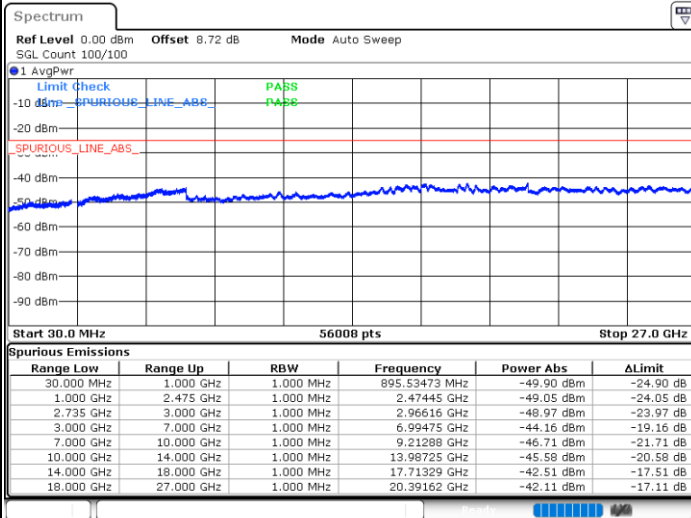
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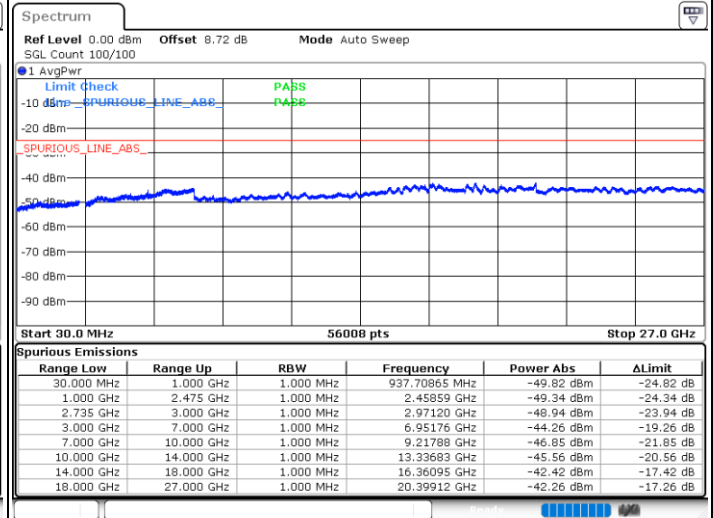
LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

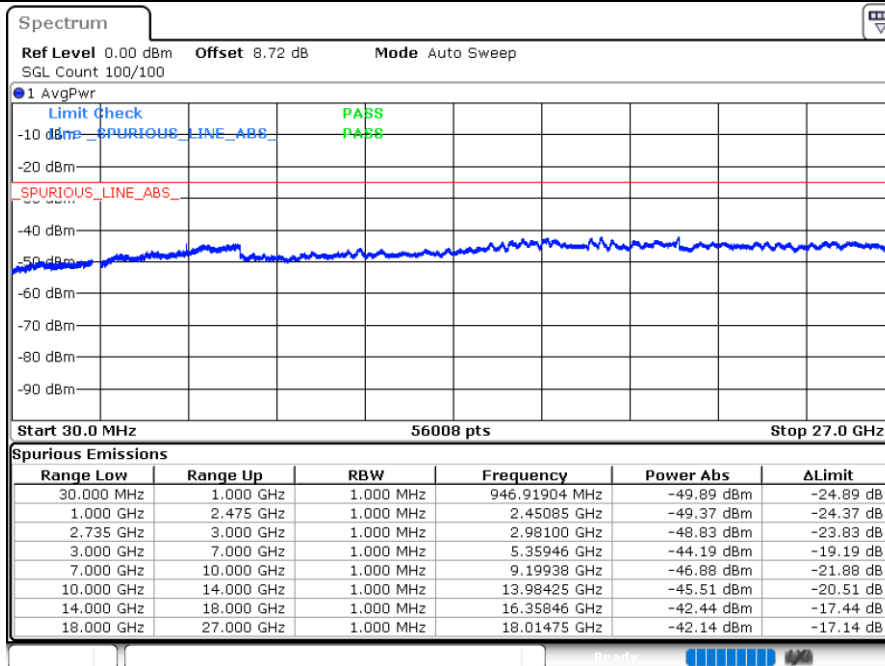


Date: 8.JUL.2024 03:20:45



Date: 8.JUL.2024 03:34:42

Highest Channel / QPSK



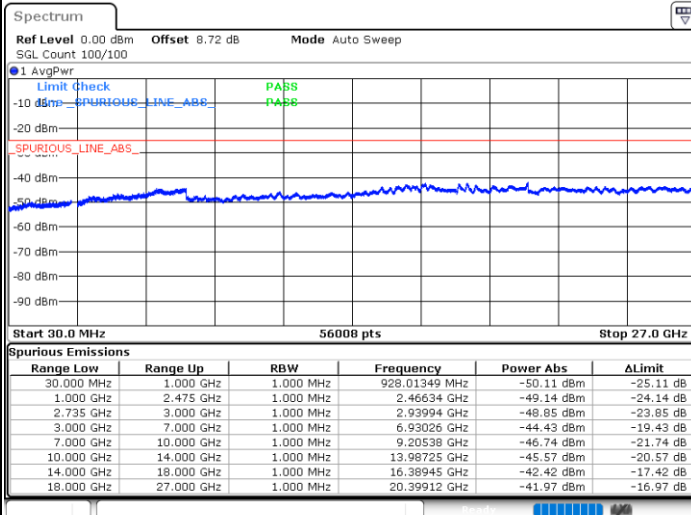
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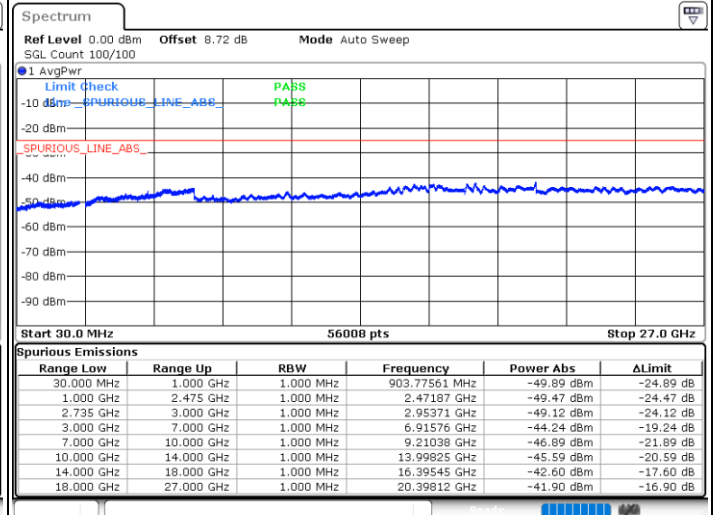
LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

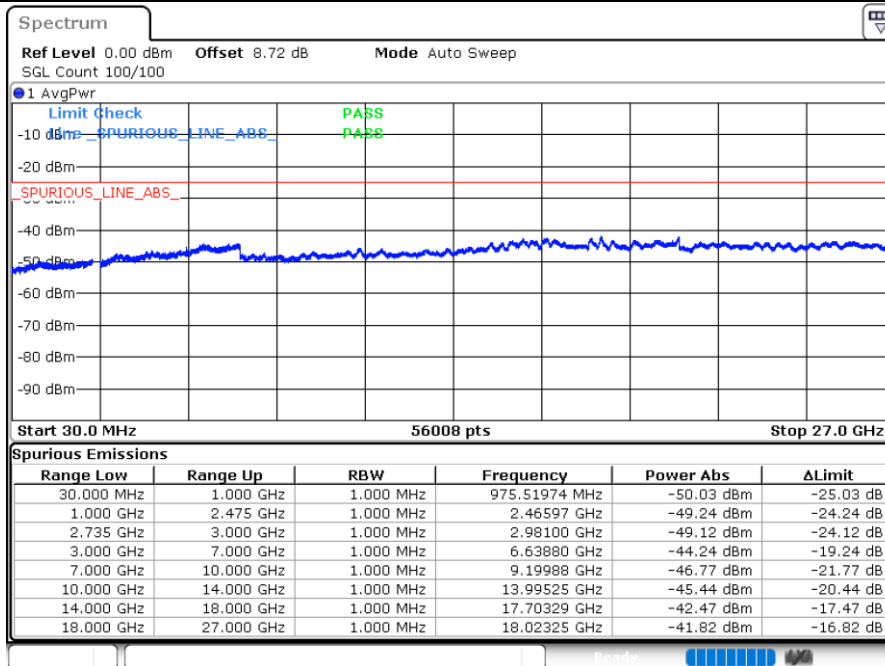


Date: 8.JUL.2024 03:50:18



Date: 8.JUL.2024 04:04:15

Highest Channel / QPSK



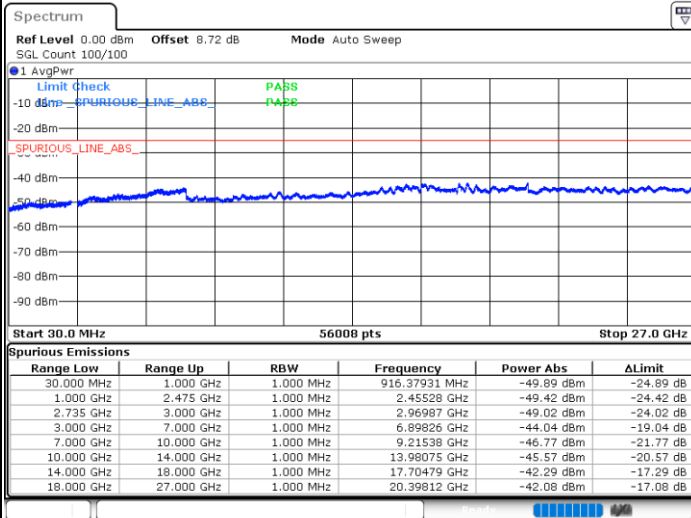
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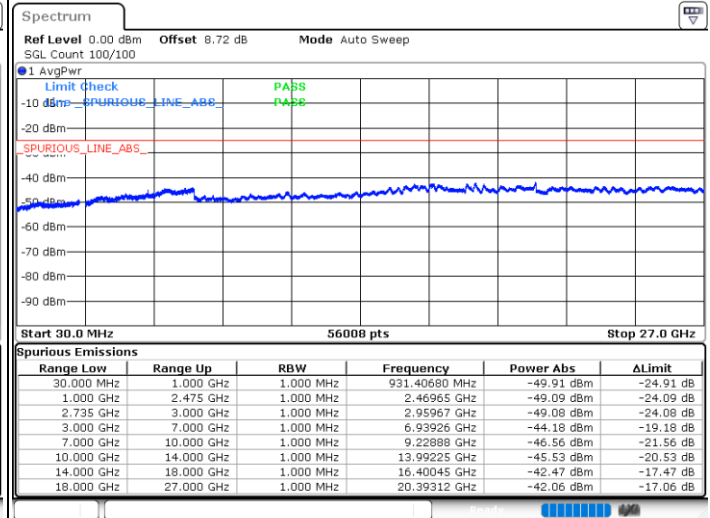
LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

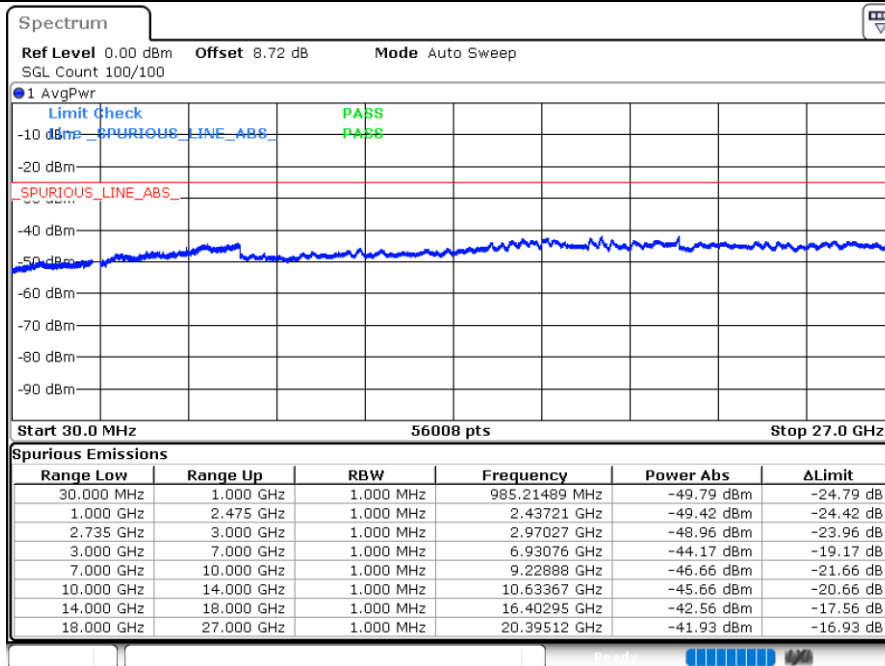


Date: 8.JUL.2024 04:19:49



Date: 8.JUL.2024 04:33:39

Highest Channel / QPSK



Date: 8.JUL.2024 04:35:20

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	0.0018	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0049	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0064	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0056	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.41 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%

LTE Band 7 / 20MHz / QPSK / ANT3								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5008	-62.19	-25	-37.19	-72.40	3.03	13.24	H
	7500	-58.59	-25	-33.59	-68.04	3.56	13.01	H
	10006	-60.27	-25	-35.27	-69.79	3.92	13.44	H
	5008	-62.73	-25	-37.73	-72.94	3.03	13.24	V
	7500	-61.47	-25	-36.47	-70.92	3.56	13.01	V
	10006	-59.30	-25	-34.30	-68.82	3.92	13.44	V
Middle	5050	-61.96	-25	-36.96	-72.17	3.03	13.24	H
	7584	-52.83	-25	-27.83	-62.28	3.56	13.01	H
	10104	-60.67	-25	-35.67	-70.19	3.92	13.44	H
	5050	-62.77	-25	-37.77	-72.98	3.03	13.24	V
	7584	-61.43	-25	-36.43	-70.88	3.56	13.01	V
	10104	-58.69	-25	-33.69	-68.21	3.92	13.44	V
Highest	5106	-62.71	-25	-37.71	-72.92	3.03	13.24	H
	7654	-58.04	-25	-33.04	-67.49	3.56	13.01	H
	10202	-60.79	-25	-35.79	-70.31	3.92	13.44	H
	5106	-62.59	-25	-37.59	-72.80	3.03	13.24	V
	7654	-57.66	-25	-32.66	-67.11	3.56	13.01	V
	10202	-58.33	-25	-33.33	-67.85	3.92	13.44	V

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



LTE Band 41 / 20MHz / QPSK / ANT3								
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	-62.22	-25	-37.22	-72.43	3.03	13.24	H
	7486	-57.33	-25	-32.33	-66.78	3.56	13.01	H
	9992	-60.79	-25	-35.79	-70.31	3.92	13.44	H
	4994	-62.36	-25	-37.36	-72.57	3.03	13.24	V
	7486	-58.94	-25	-33.94	-68.39	3.56	13.01	V
	9992	-56.15	-25	-31.15	-65.67	3.92	13.44	V
Middle	5162	-62.09	-25	-37.09	-72.30	3.03	13.24	H
	7752	-58.36	-25	-33.36	-67.81	3.56	13.01	H
	10342	-60.50	-25	-35.50	-70.02	3.92	13.44	H
	12918	-57.49	-25	-32.49	-67.41	4.44	14.36	H
	5162	-62.05	-25	-37.05	-72.26	3.03	13.24	V
	7752	-53.72	-25	-28.72	-63.17	3.56	13.01	V
	10342	-56.84	-25	-31.84	-66.36	3.92	13.44	V
	12918	-58.75	-25	-33.75	-68.67	4.44	14.36	V
Highest	5344	-63.17	-25	-38.17	-73.38	3.03	13.24	H
	8018	-55.82	-25	-30.82	-65.27	3.56	13.01	H
	10678	-60.81	-25	-35.81	-70.33	3.92	13.44	H
	5344	-63.34	-25	-38.34	-73.55	3.03	13.24	V
	8018	-55.91	-25	-30.91	-65.36	3.56	13.01	V
	10678	-61.24	-25	-36.24	-70.76	3.92	13.44	V

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

LTE CA_7C / 20MHz+20MHz / QPSK / ANT3								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5008	-62.69	-25	-37.69	-72.90	3.03	13.24	H
	7500	-63.07	-25	-38.07	-72.52	3.56	13.01	H
	10006	-61.78	-25	-36.78	-71.30	3.92	13.44	H
	5008	-62.24	-25	-37.24	-72.45	3.03	13.24	V
	7500	-62.80	-25	-37.80	-72.25	3.56	13.01	V
	10006	-62.20	-25	-37.20	-71.72	3.92	13.44	V
	5036	-62.48	-25	-37.48	-72.69	3.03	13.24	H
	7556	-62.49	-25	-37.49	-71.94	3.56	13.01	H
	10090	-61.61	-25	-36.61	-71.13	3.92	13.44	H
	5036	-62.70	-25	-37.70	-72.91	3.03	13.24	V
	7556	-62.53	-25	-37.53	-71.98	3.56	13.01	V
	10090	-61.70	-25	-36.70	-71.22	3.92	13.44	V
Middle	5036	-62.27	-25	-37.27	-72.48	3.03	13.24	H
	7542	-61.87	-25	-36.87	-71.32	3.56	13.01	H
	10062	-61.68	-25	-36.68	-71.20	3.92	13.44	H
	5036	-62.51	-25	-37.51	-72.72	3.03	13.24	V
	7542	-62.57	-25	-37.57	-72.02	3.56	13.01	V
	10062	-62.10	-25	-37.10	-71.62	3.92	13.44	V
	5078	-62.92	-25	-37.92	-73.13	3.03	13.24	H



	7612	-62.36	-25	-37.36	-71.81	3.56	13.01	H
	10146	-61.66	-25	-36.66	-71.18	3.92	13.44	H
	5078	-63.30	-25	-38.30	-73.51	3.03	13.24	V
	7612	-62.44	-25	-37.44	-71.89	3.56	13.01	V
	10146	-61.84	-25	-36.84	-71.36	3.92	13.44	V
Highest	5064	-62.56	-25	-37.56	-72.77	3.03	13.24	H
	7598	-62.28	-25	-37.28	-71.73	3.56	13.01	H
	10132	-61.38	-25	-36.38	-70.90	3.92	13.44	H
	5064	-62.78	-25	-37.78	-72.99	3.03	13.24	V
	7598	-61.58	-25	-36.58	-71.03	3.56	13.01	V
	10132	-61.49	-25	-36.49	-71.01	3.92	13.44	V
	5106	-62.62	-25	-37.62	-72.83	3.03	13.24	H
	7654	-61.64	-25	-36.64	-71.09	3.56	13.01	H
	10202	-61.03	-25	-36.03	-70.55	3.92	13.44	H
	5106	-62.52	-25	-37.52	-72.73	3.03	13.24	V
	7654	-61.75	-25	-36.75	-71.20	3.56	13.01	V
	10202	-60.90	-25	-35.90	-70.42	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 / ANT3								
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	-62.44	-25	-37.44	-72.65	3.03	13.24	H
	7486	-62.54	-25	-37.54	-71.99	3.56	13.01	H
	9992	-61.65	-25	-36.65	-71.17	3.92	13.44	H
	4994	-62.30	-25	-37.30	-72.51	3.03	13.24	V
	7486	-62.44	-25	-37.44	-71.89	3.56	13.01	V
	9992	-61.82	-25	-36.82	-71.34	3.92	13.44	V
	5036	-62.45	-25	-37.45	-72.66	3.03	13.24	H
	7556	-62.29	-25	-37.29	-71.74	3.56	13.01	H
	10062	-61.38	-25	-36.38	-70.90	3.92	13.44	H
	5036	-62.40	-25	-37.40	-72.61	3.03	13.24	V
	7556	-62.41	-25	-37.41	-71.86	3.56	13.01	V
	10062	-61.67	-25	-36.67	-71.19	3.92	13.44	V
Middle	5148	-62.03	-25	-37.03	-72.24	3.03	13.24	H
	7724	-61.49	-25	-36.49	-70.94	3.56	13.01	H
	10300	-60.87	-25	-35.87	-70.39	3.92	13.44	H
	5148	-62.47	-25	-37.47	-72.68	3.03	13.24	V
	7724	-61.36	-25	-36.36	-70.81	3.56	13.01	V
	10300	-60.87	-25	-35.87	-70.39	3.92	13.44	V
	5190	-62.31	-25	-37.31	-72.52	3.03	13.24	H
	7780	-62.00	-25	-37.00	-71.45	3.56	13.01	H
	10370	-61.09	-25	-36.09	-70.61	3.92	13.44	H
	5190	-62.50	-25	-37.50	-72.71	3.03	13.24	V
	7780	-62.45	-25	-37.45	-71.90	3.56	13.01	V
	10370	-61.26	-25	-36.26	-70.78	3.92	13.44	V
Highest	5302	-63.10	-25	-38.10	-73.31	3.03	13.24	H
	7948	-61.64	-25	-36.64	-71.09	3.56	13.01	H



	10608	-61.42	-25	-36.42	-70.94	3.92	13.44	H
	5302	-63.32	-25	-38.32	-73.53	3.03	13.24	V
	7948	-61.06	-25	-36.06	-70.51	3.56	13.01	V
	10608	-61.29	-25	-36.29	-70.81	3.92	13.44	V
	5344	-63.67	-25	-38.67	-73.88	3.03	13.24	H
	8018	-62.46	-25	-37.46	-71.91	3.56	13.01	H
	10678	-61.23	-25	-36.23	-70.75	3.92	13.44	H
	5344	-63.90	-25	-38.90	-74.11	3.03	13.24	V
	8018	-62.15	-25	-37.15	-71.60	3.56	13.01	V
	10678	-61.13	-25	-36.13	-70.65	3.92	13.44	V

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

LTE Band 7 / 20MHz / QPSK / ANT3 for Other PA								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5008	-62.15	-25	-37.15	-72.36	3.03	13.24	H
	7500	-55.91	-25	-30.91	-65.36	3.56	13.01	H
	10006	-61.95	-25	-36.95	-71.47	3.92	13.44	H
	5008	-63.78	-25	-38.78	-73.99	3.03	13.24	V
	7500	-59.82	-25	-34.82	-69.27	3.56	13.01	V
	10006	-61.66	-25	-36.66	-71.18	3.92	13.44	V
Middle	5050	-63.57	-25	-38.57	-73.78	3.03	13.24	H
	7584	-60.14	-25	-35.14	-69.59	3.56	13.01	H
	10104	-60.00	-25	-35.00	-69.52	3.92	13.44	H
	5050	-63.52	-25	-38.52	-73.73	3.03	13.24	V
	7584	-58.55	-25	-33.55	-68.00	3.56	13.01	V
	10104	-58.92	-25	-33.92	-68.44	3.92	13.44	V
Highest	5106	-63.46	-25	-38.46	-73.67	3.03	13.24	H
	7654	-60.07	-25	-35.07	-69.52	3.56	13.01	H
	10202	-61.80	-25	-36.80	-71.32	3.92	13.44	H
	5106	-63.95	-25	-38.95	-74.16	3.03	13.24	V
	7654	-59.39	-25	-34.39	-68.84	3.56	13.01	V
	10202	-60.77	-25	-35.77	-70.29	3.92	13.44	V

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