

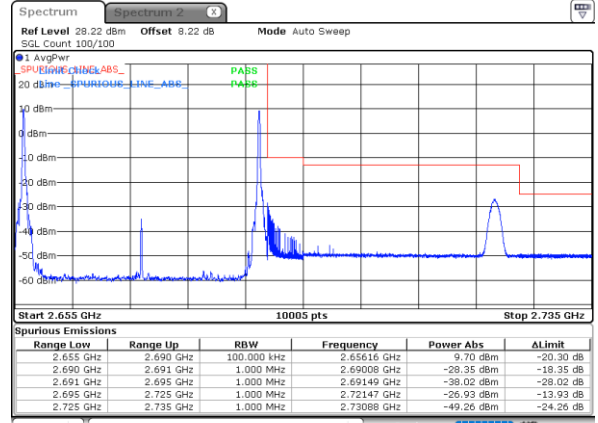
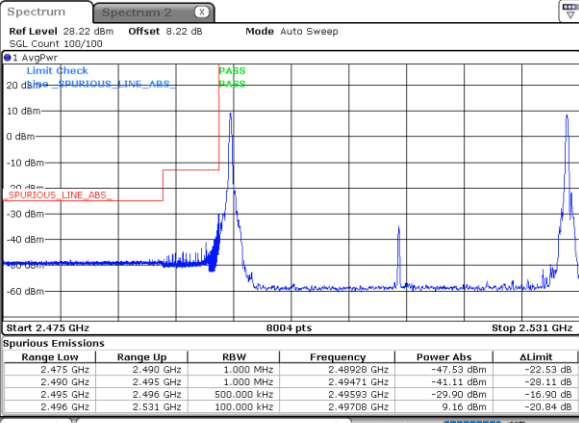


LTE Band 41C / 20MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

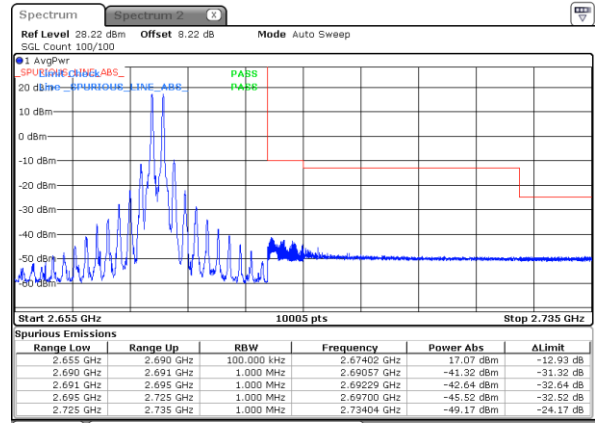
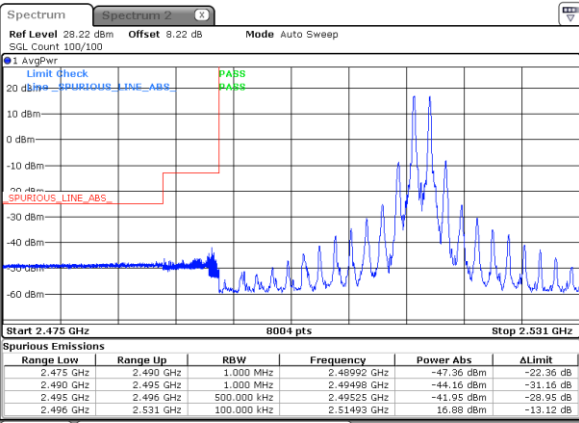


Date: 25_JUL_2024 15:54:58

Date: 25_JUL_2024 16:07:47

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

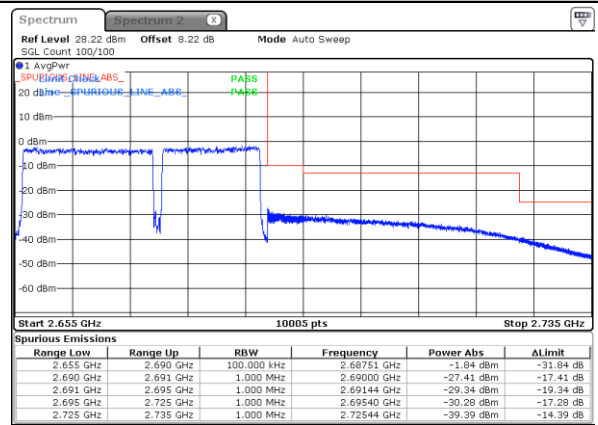
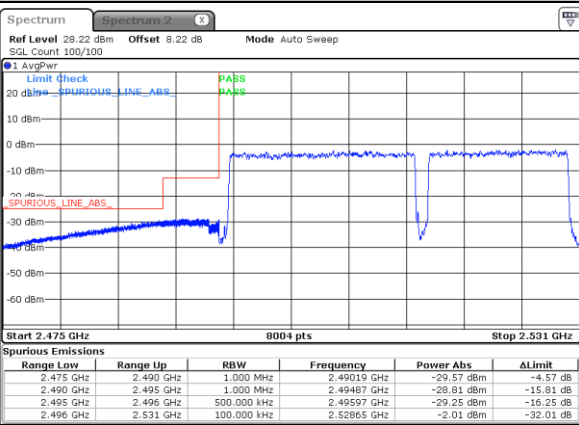


Date: 25_JUL_2024 15:51:47

Date: 25_JUL_2024 16:04:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25_JUL_2024 15:58:10

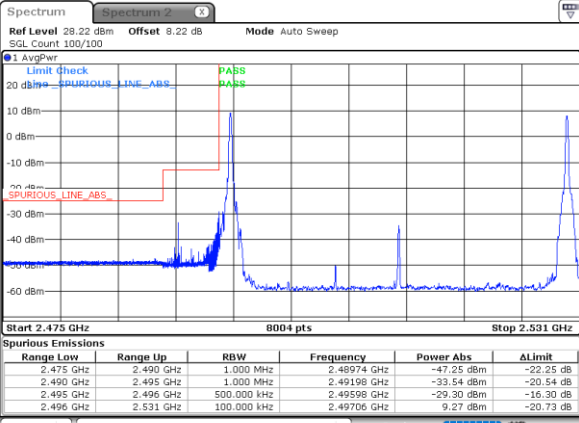
Date: 25_JUL_2024 16:10:59



LTE Band 41C / 20MHz+15MHz

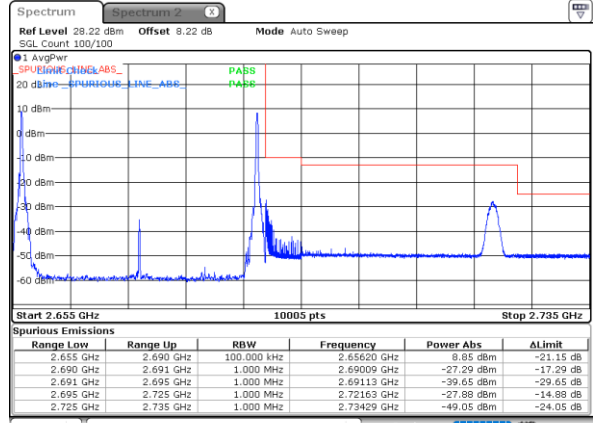
16QAM

Lowest Band Edge / 1RB0 and 1RB74



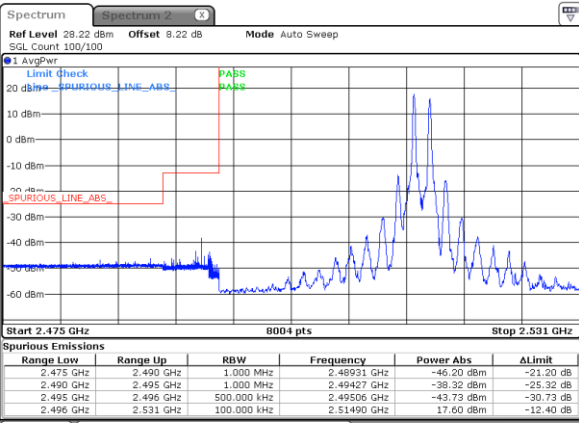
Date: 25_JUL_2024 15:55:46

Highest Band Edge / 1RB0 and 1RB74



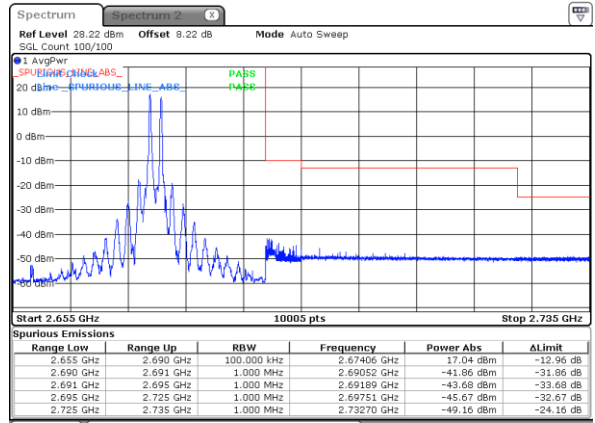
Date: 25_JUL_2024 16:08:35

Lowest Band Edge / 1RB99 and 1RB0



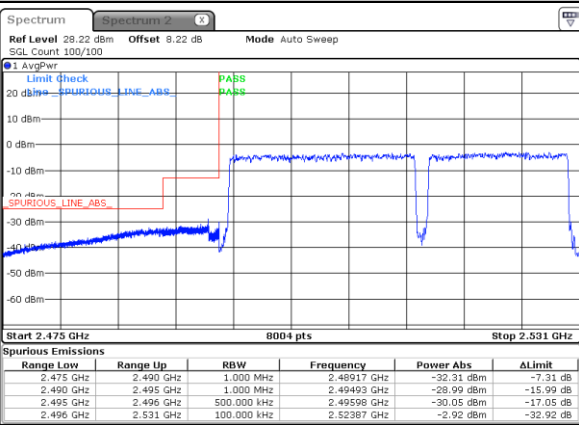
Date: 25_JUL_2024 15:52:34

Highest Band Edge / 1RB99 and 1RB0



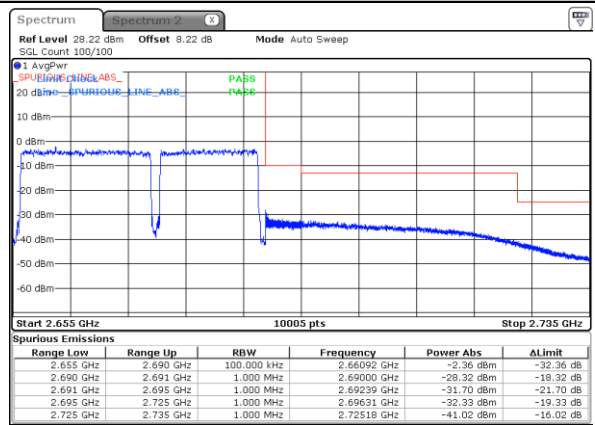
Date: 25_JUL_2024 16:05:24

Lowest Band Edge / Full RB



Date: 25_JUL_2024 15:58:58

Highest Band Edge / Full RB



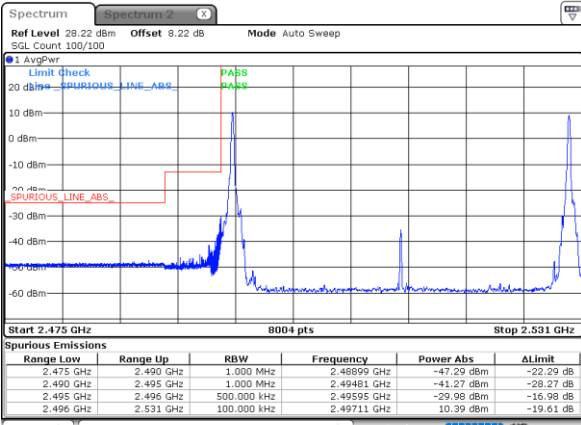
Date: 25_JUL_2024 16:11:46



LTE Band 41C / 20MHz+15MHz

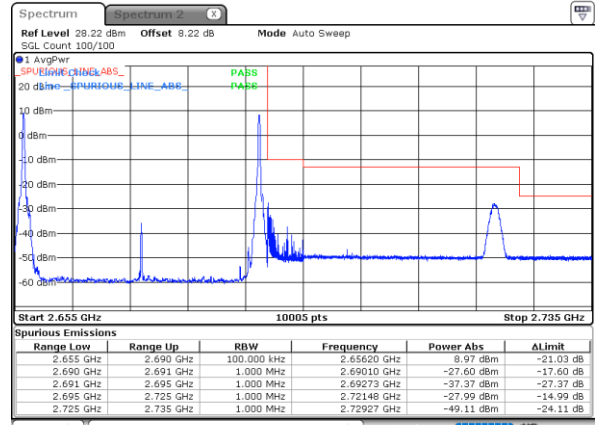
64QAM

Lowest Band Edge / 1RB0 and 1RB74



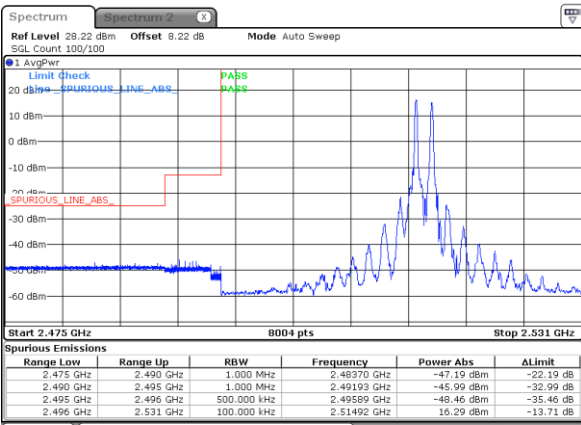
Date: 25_JUL_2024 15:56:34

Highest Band Edge / 1RB0 and 1RB74



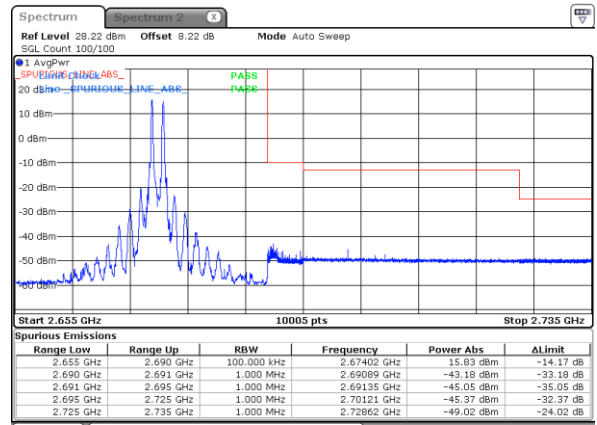
Date: 25_JUL_2024 16:09:23

Lowest Band Edge / 1RB99 and 1RB0



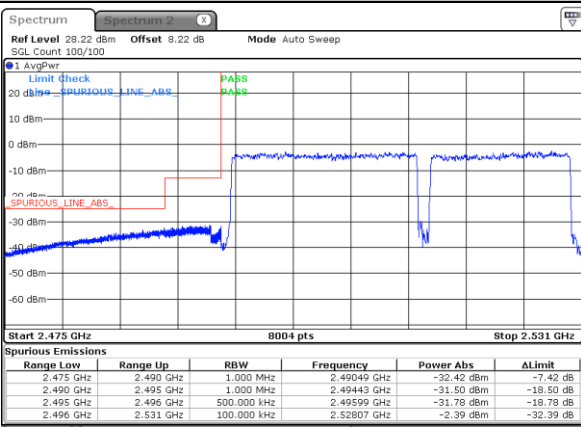
Date: 25_JUL_2024 15:53:22

Highest Band Edge / 1RB99 and 1RB0



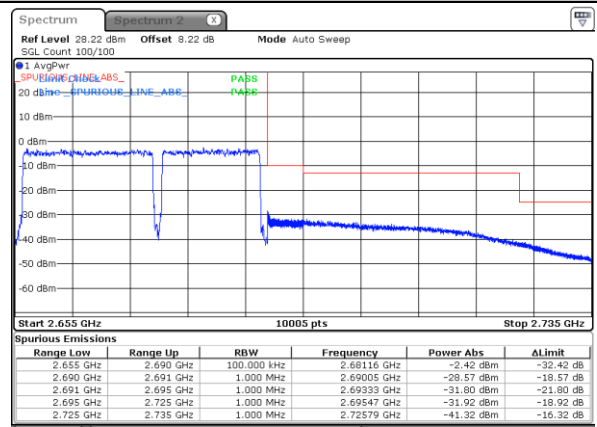
Date: 25_JUL_2024 16:06:12

Lowest Band Edge / Full RB



Date: 25_JUL_2024 15:59:45

Highest Band Edge / Full RB



Date: 25_JUL_2024 16:12:34

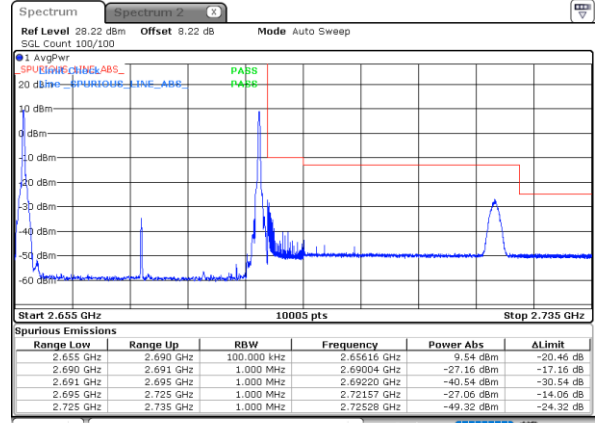
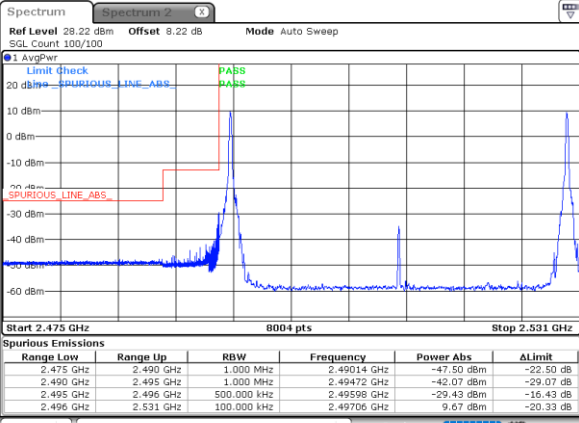


LTE Band 41C / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

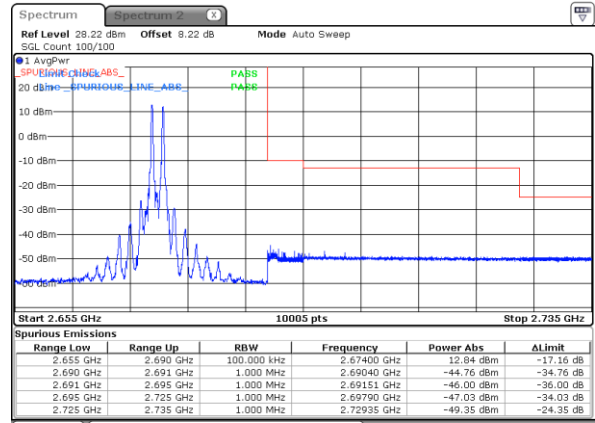
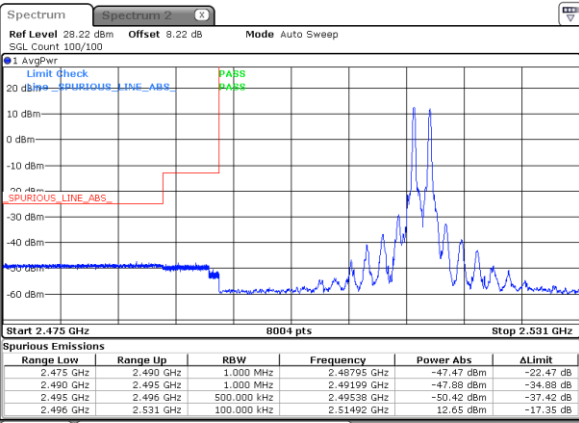


Date: 25_JUL_2024 15:57:21

Date: 25_JUL_2024 16:10:11

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

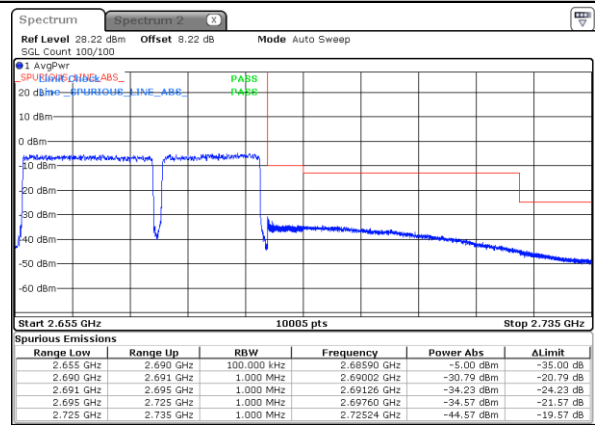
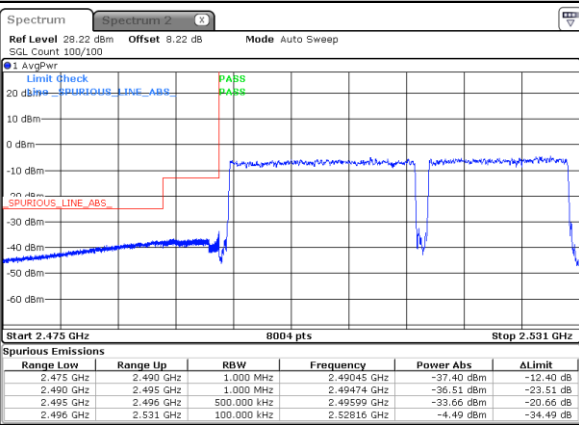


Date: 25_JUL_2024 15:54:10

Date: 25_JUL_2024 16:07:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25_JUL_2024 16:00:33

Date: 25_JUL_2024 16:13:21

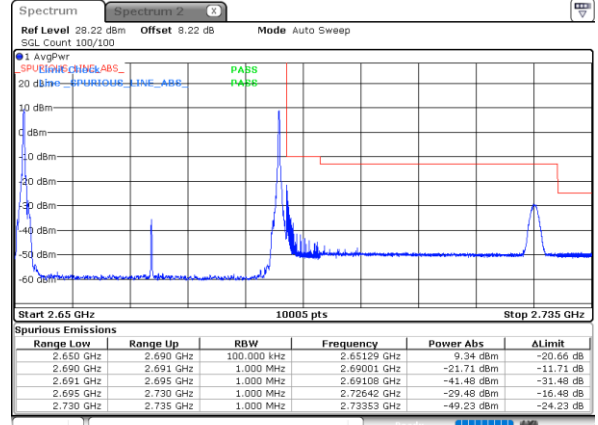
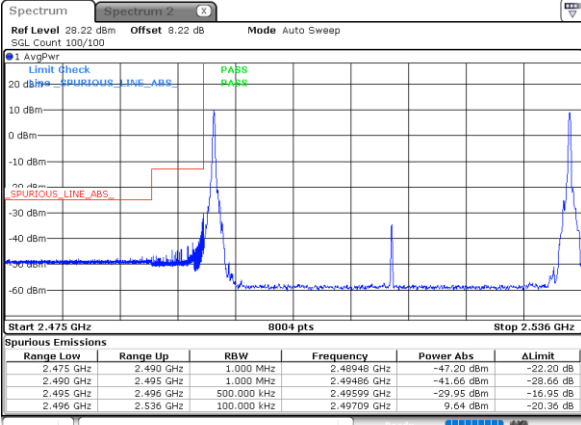


LTE Band 41C / 20MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

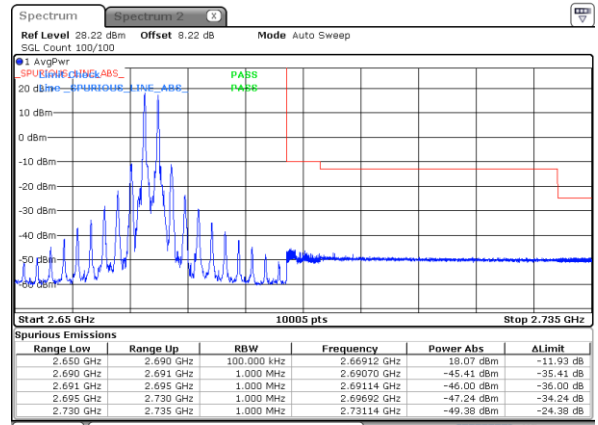
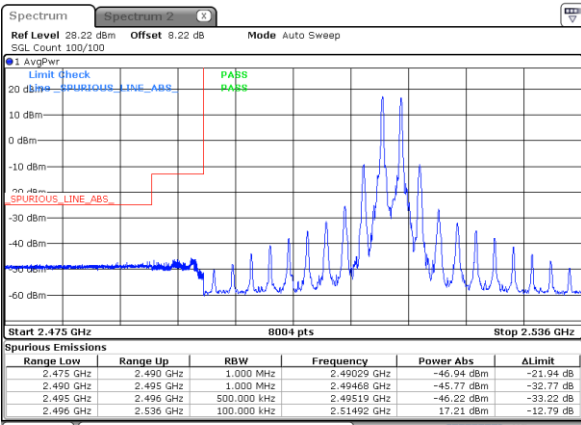


Date: 25_JUL_2024 16:19:58

Date: 25_JUL_2024 16:31:47

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

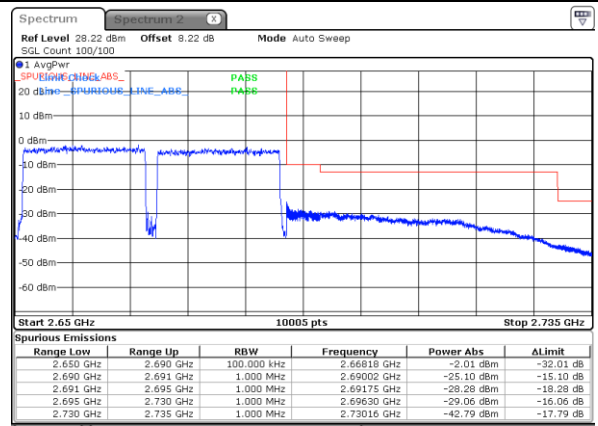
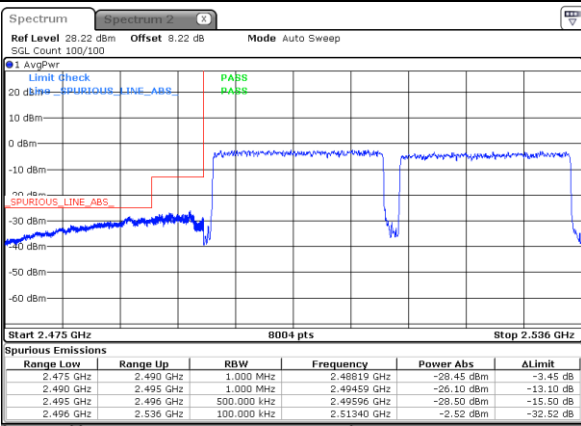


Date: 25_JUL_2024 16:15:47

Date: 25_JUL_2024 16:28:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25_JUL_2024 16:22:10

Date: 25_JUL_2024 16:34:59

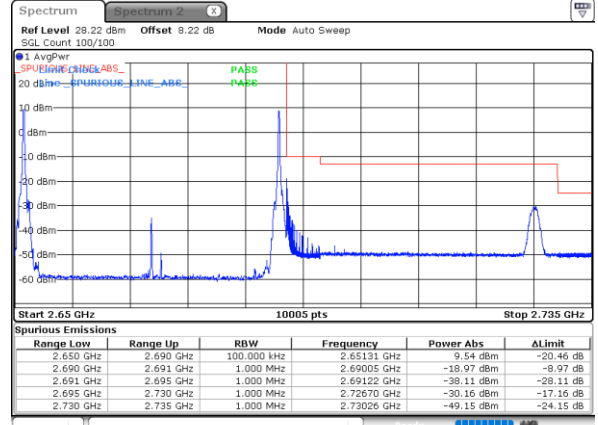
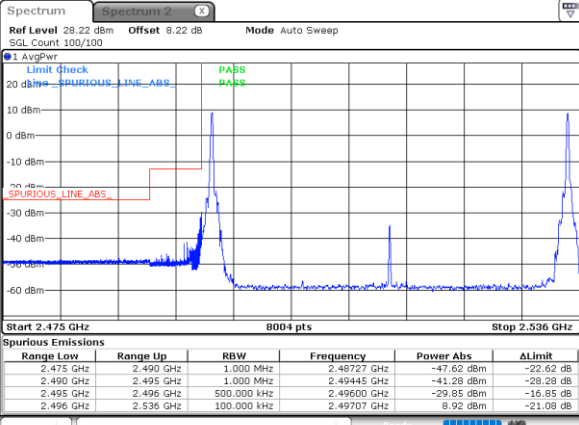


LTE Band 41C / 20MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

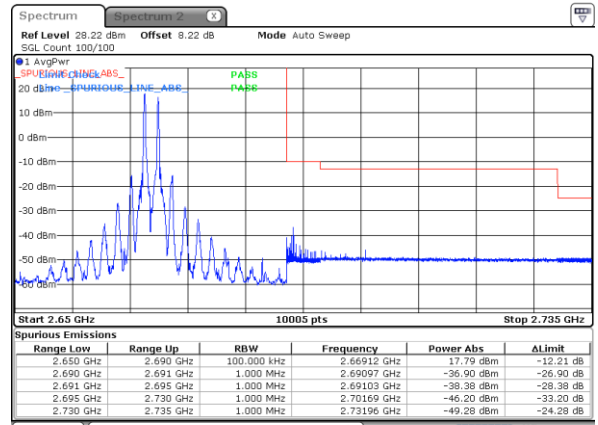
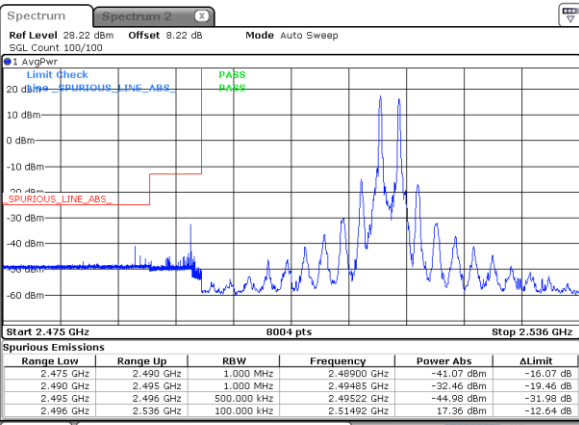


Date: 25_JUL_2024 16:19:46

Date: 25_JUL_2024 16:32:35

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

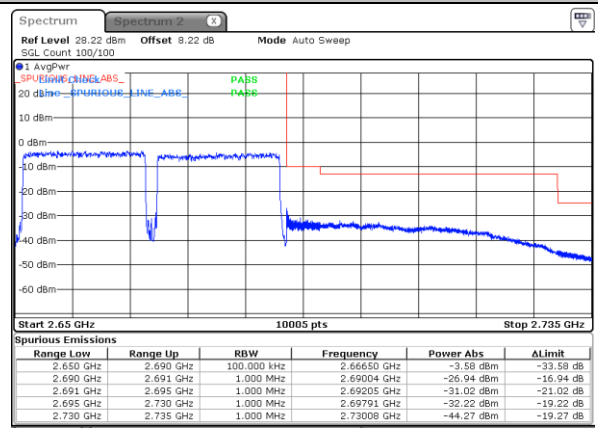
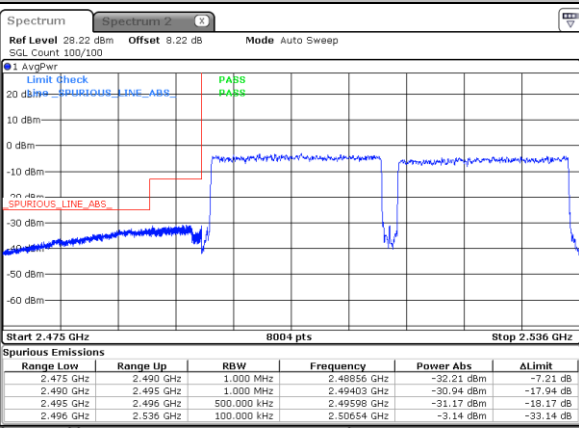


Date: 25_JUL_2024 16:16:35

Date: 25_JUL_2024 16:29:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25_JUL_2024 16:22:58

Date: 25_JUL_2024 16:35:47

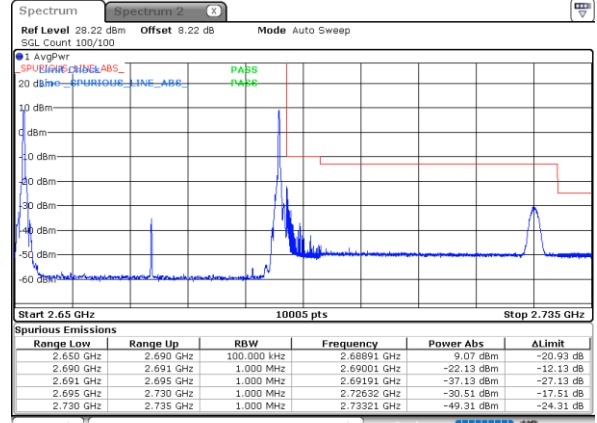
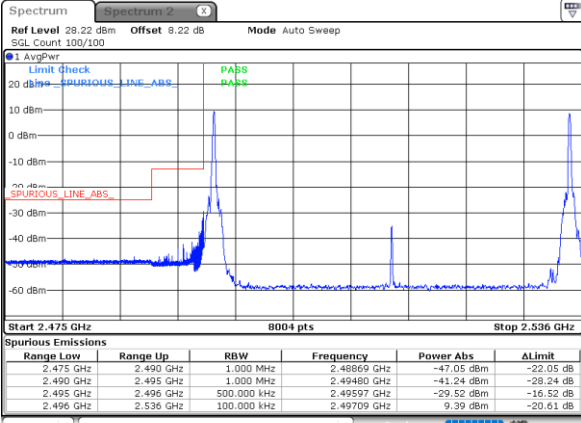


LTE Band 41C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

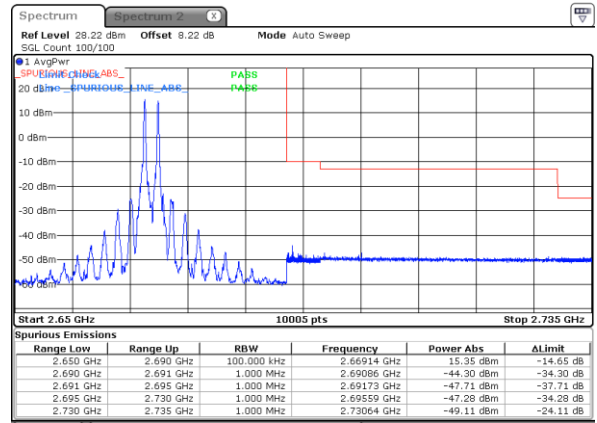
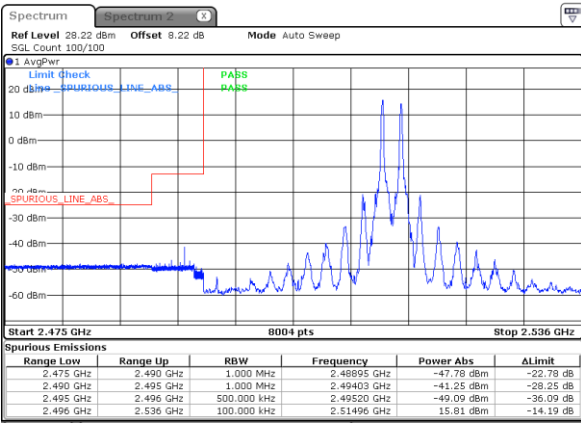


Date: 25_JUL_2024 16:20:14

Date: 25_JUL_2024 16:33:23

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

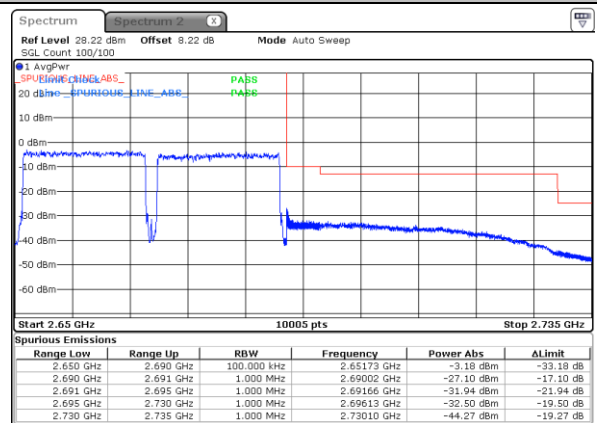
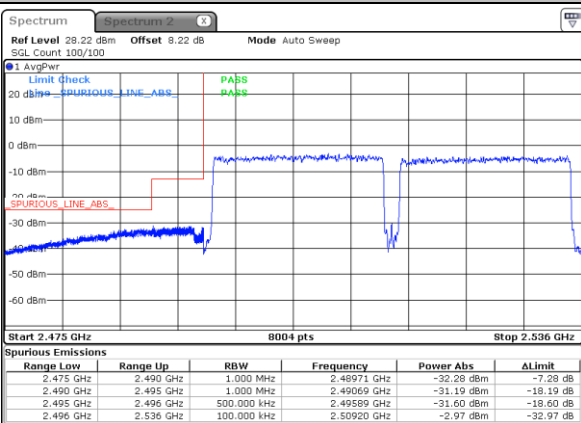


Date: 25_JUL_2024 16:17:23

Date: 25_JUL_2024 16:30:12

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25_JUL_2024 16:23:46

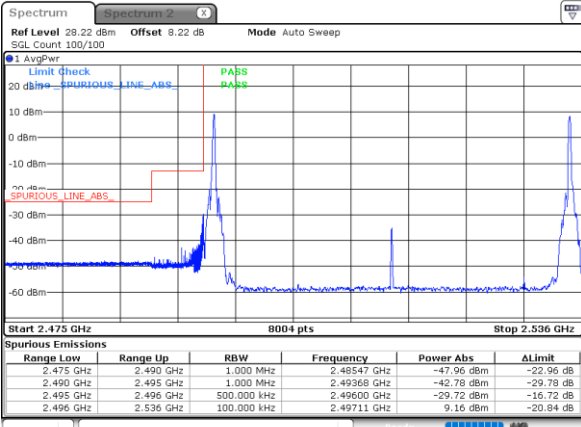
Date: 25_JUL_2024 16:36:34



LTE Band 41C / 20MHz+20MHz

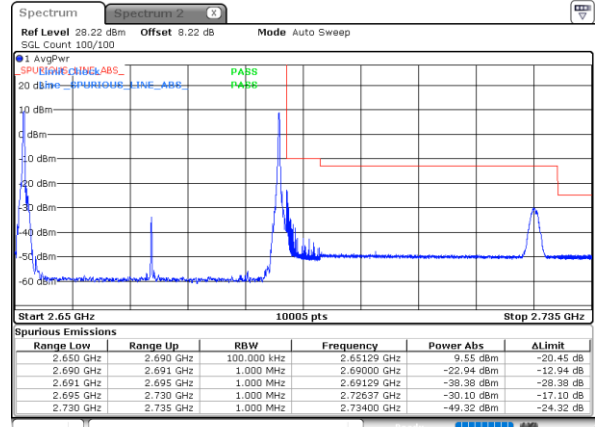
256QAM

Lowest Band Edge / 1RB0 and 1RB99



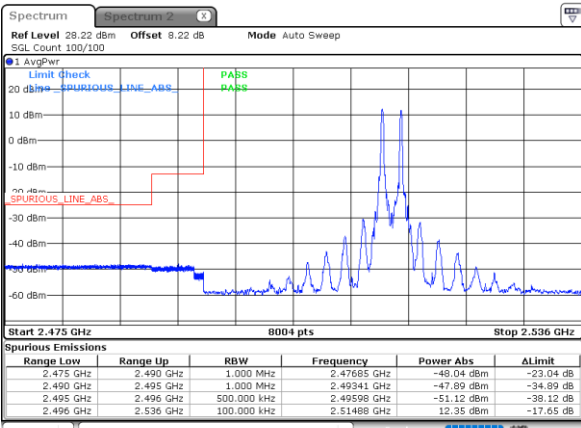
Date: 25 JUL 2024 16:21:22

Highest Band Edge / 1RB0 and 1RB99



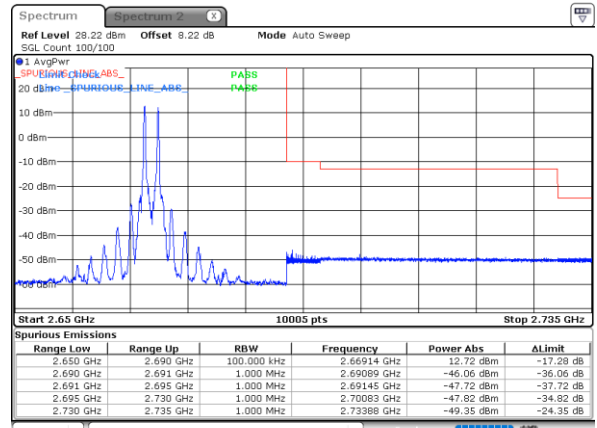
Date: 25 JUL 2024 16:34:10

Lowest Band Edge / 1RB99 and 1RB0



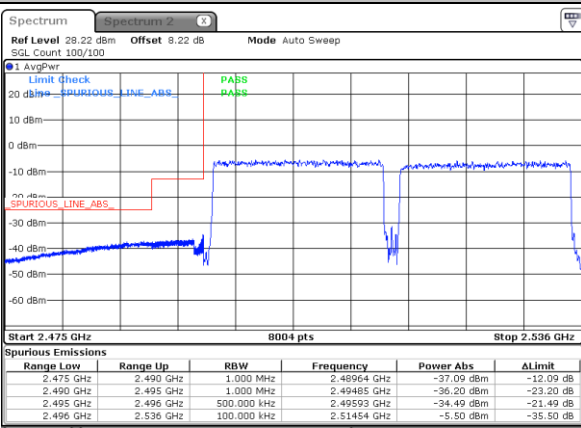
Date: 25 JUL 2024 16:19:11

Highest Band Edge / 1RB99 and 1RB0



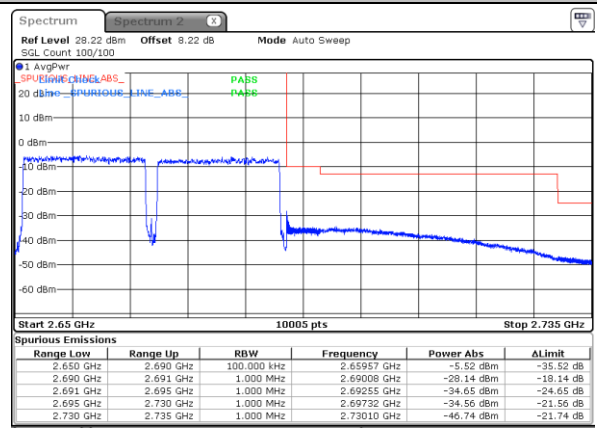
Date: 25 JUL 2024 16:31:00

Lowest Band Edge / Full RB



Date: 25 JUL 2024 16:24:33

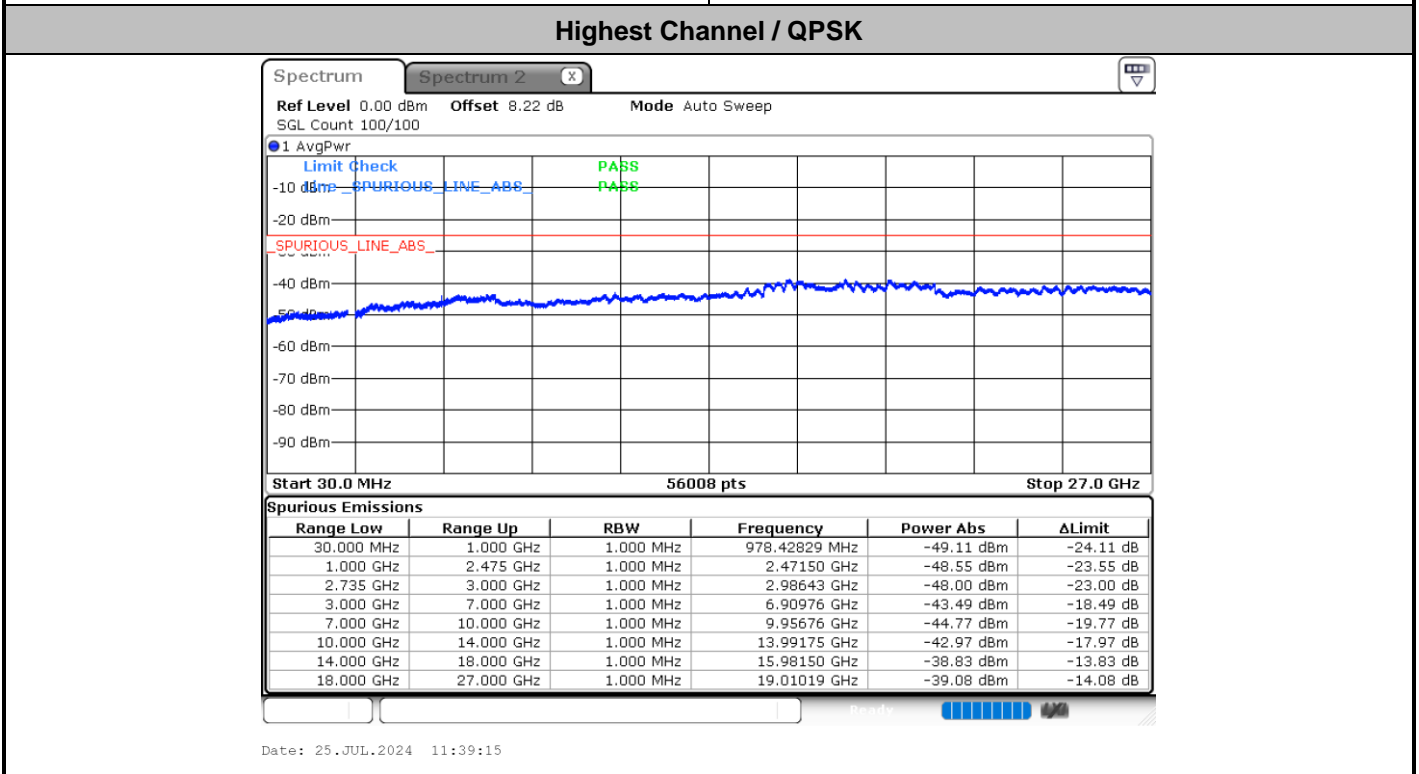
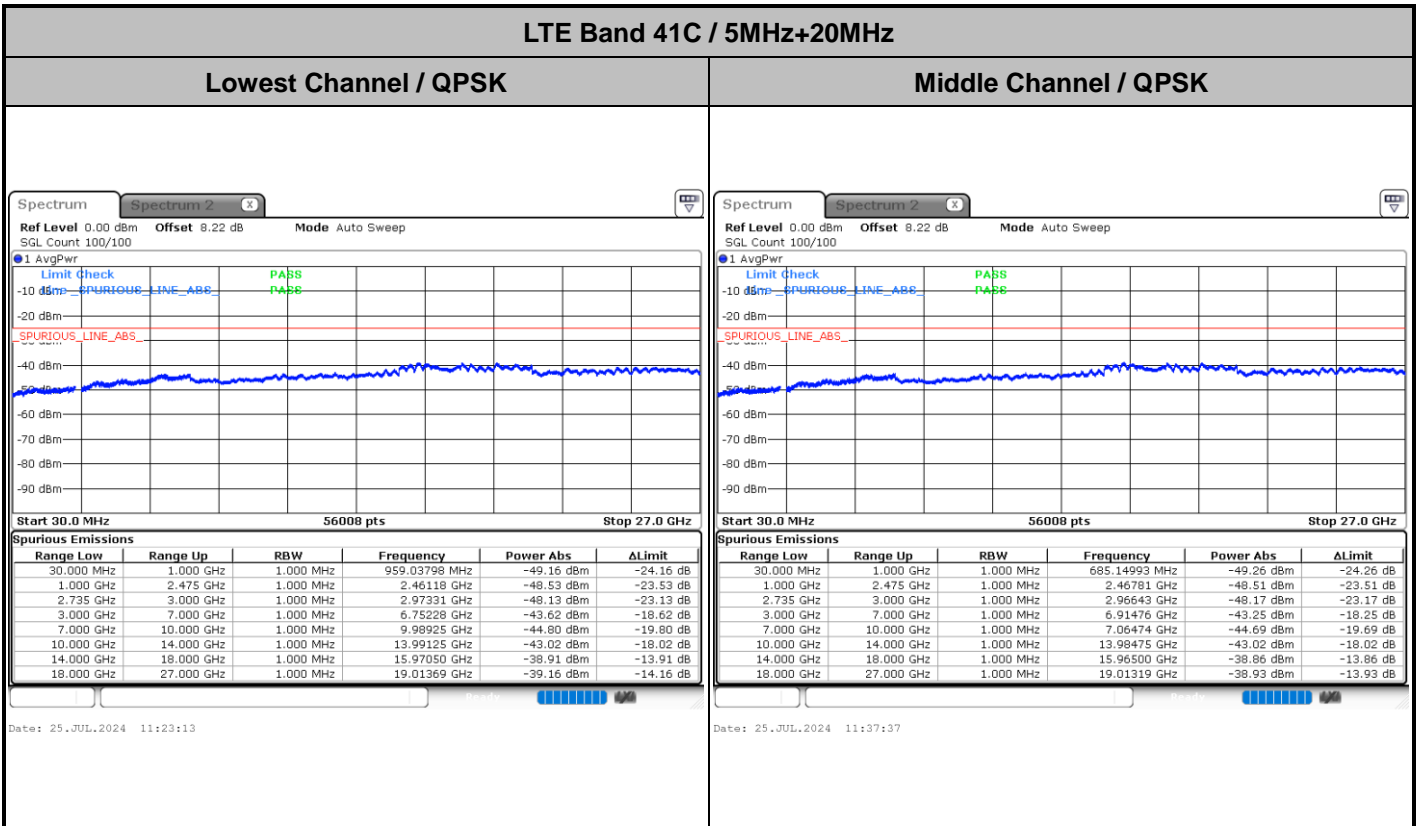
Highest Band Edge / Full RB



Date: 25 JUL 2024 16:37:22



Conducted Spurious Emission

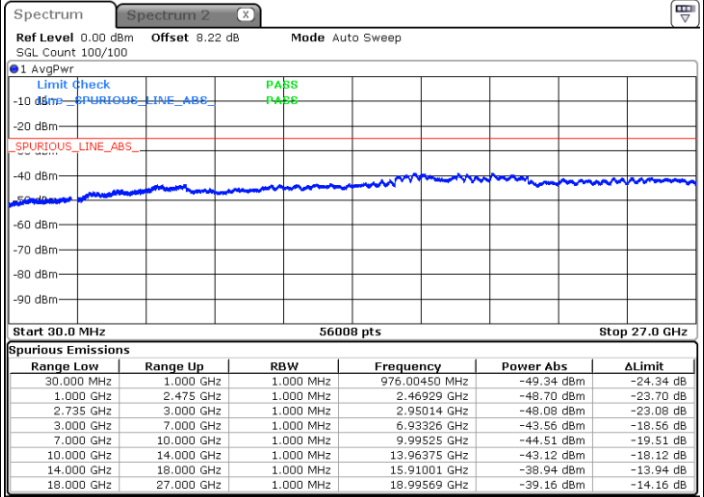
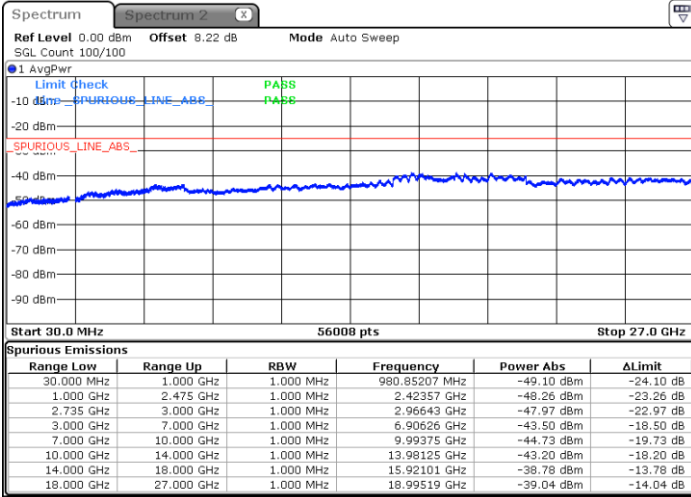




LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

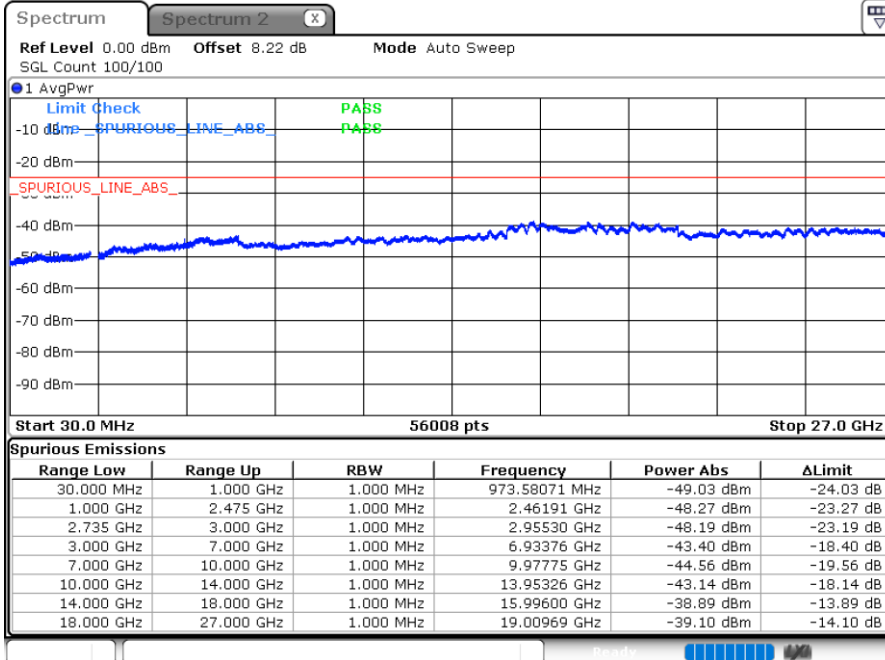
Middle Channel / QPSK



Date: 25.JUL.2024 12:57:04

Date: 25.JUL.2024 13:09:03

Highest Channel / QPSK



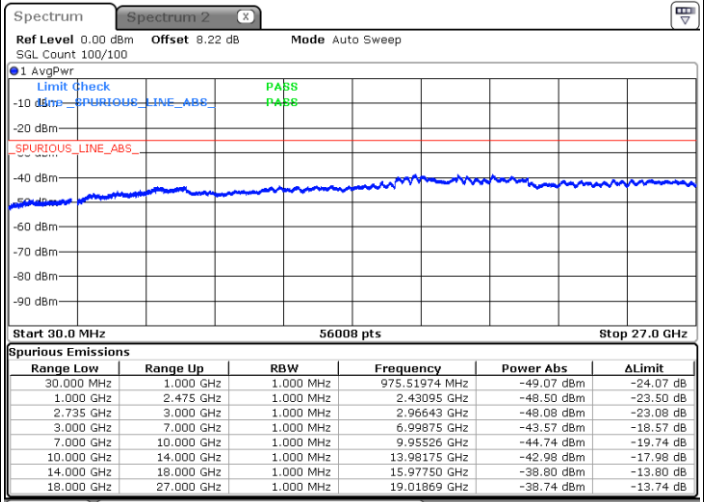
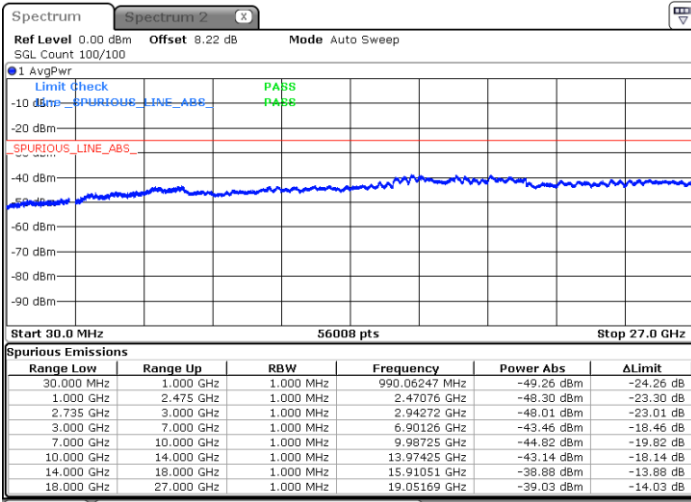
Date: 25.JUL.2024 13:10:41



LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

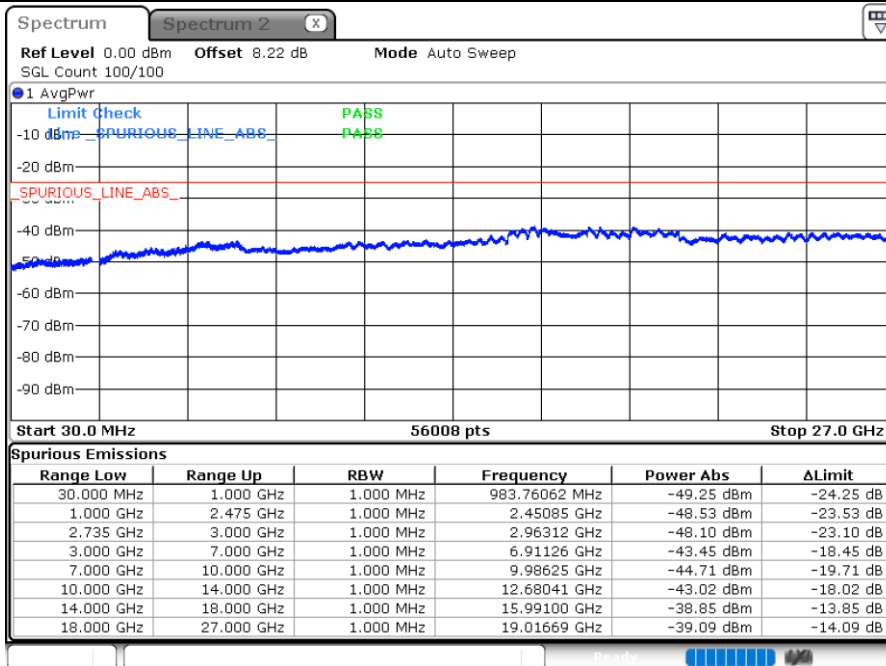
Middle Channel / QPSK



Date: 25.JUL.2024 13:22:48

Date: 25.JUL.2024 13:34:55

Highest Channel / QPSK



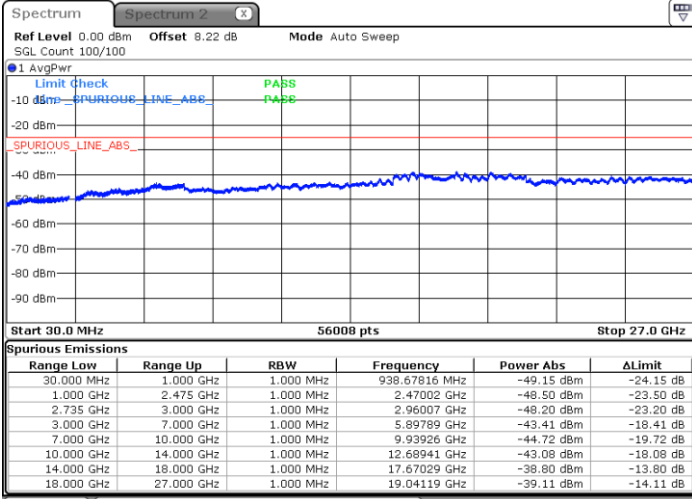
Date: 25.JUL.2024 13:36:34



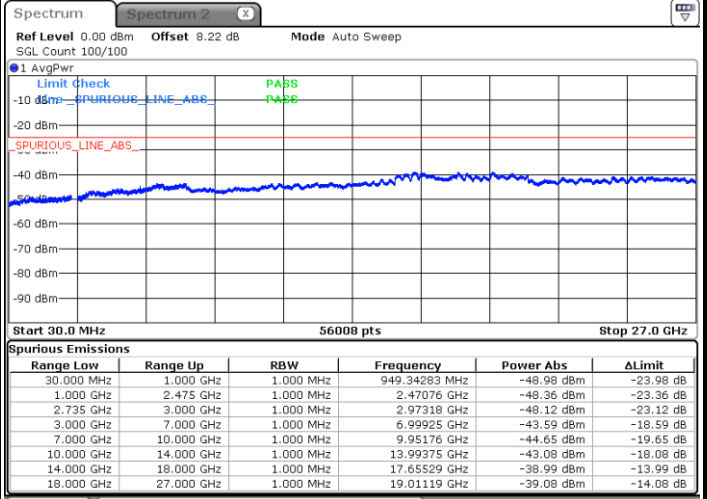
LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

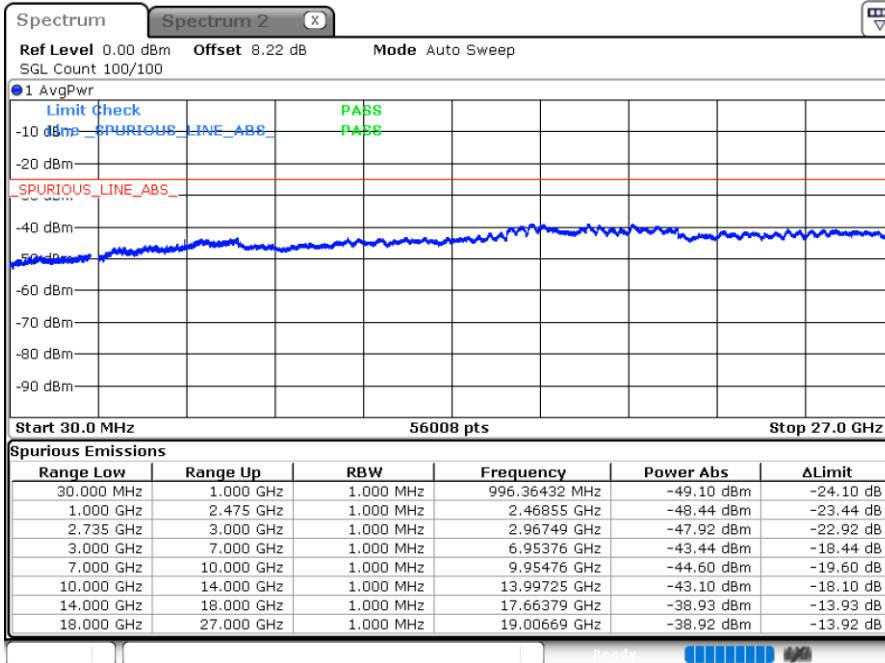


Date: 25.JUL.2024 13:49:21



Date: 25.JUL.2024 14:01:21

Highest Channel / QPSK



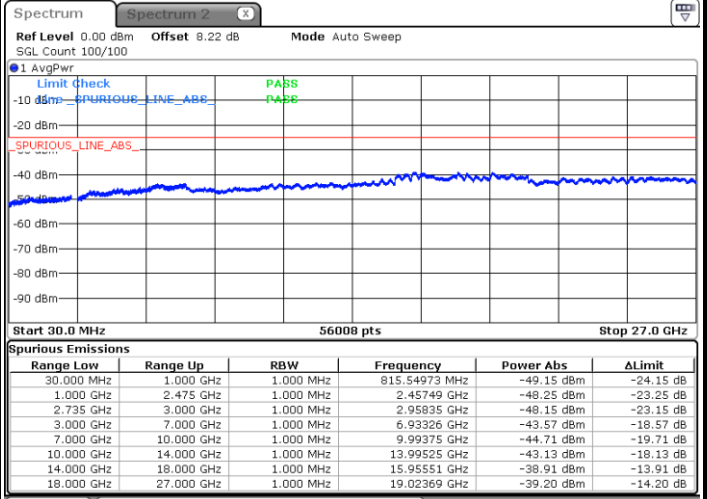
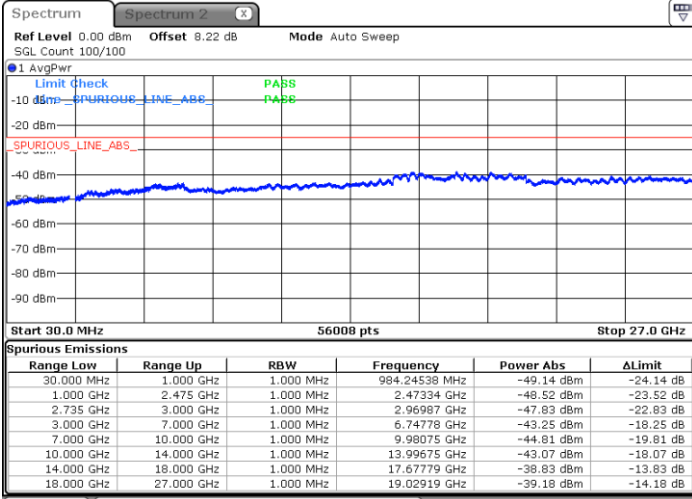
Date: 25.JUL.2024 14:02:59



LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

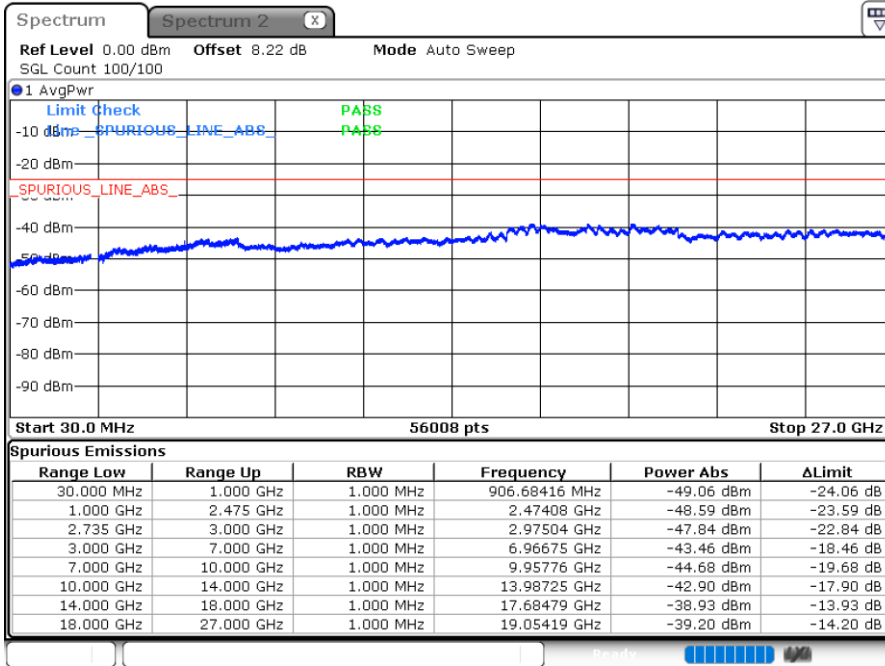
Middle Channel / QPSK



Date: 25.JUL.2024 14:14:08

Date: 25.JUL.2024 14:25:17

Highest Channel / QPSK



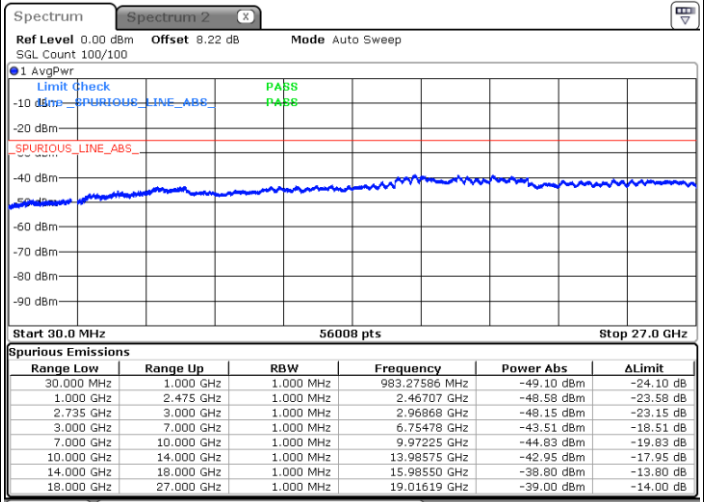
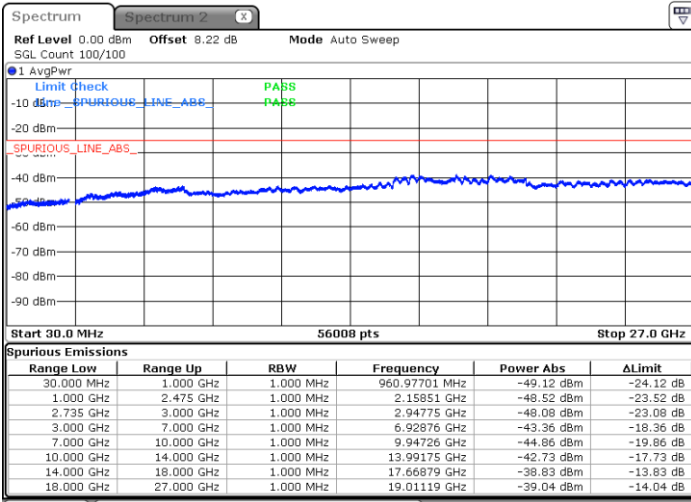
Date: 25.JUL.2024 14:26:54



LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

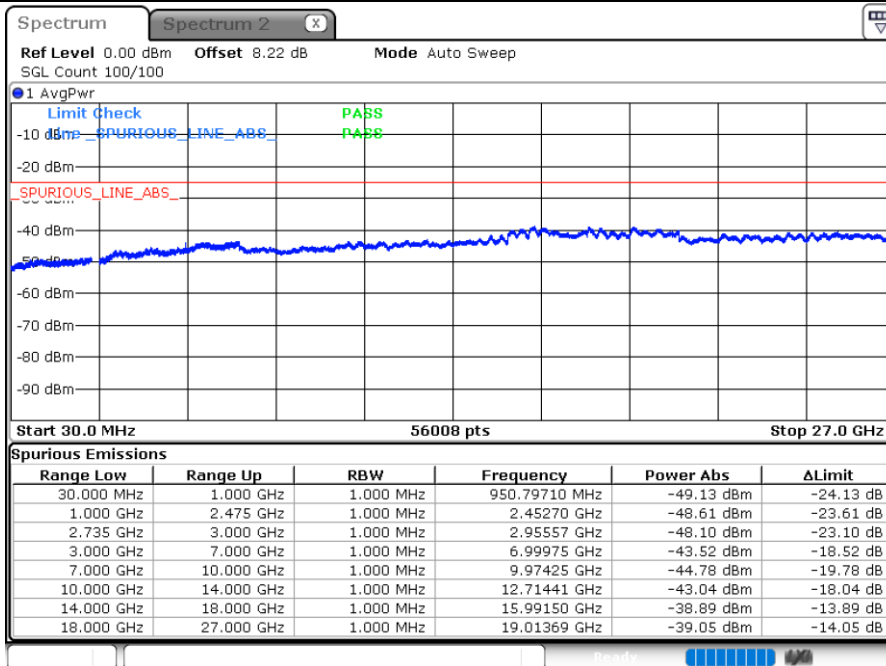
Middle Channel / QPSK



Date: 25.JUL.2024 14:38:06

Date: 25.JUL.2024 14:49:17

Highest Channel / QPSK



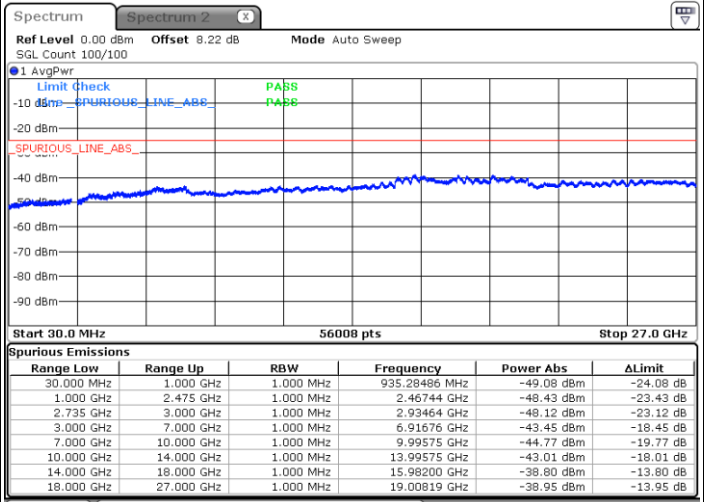
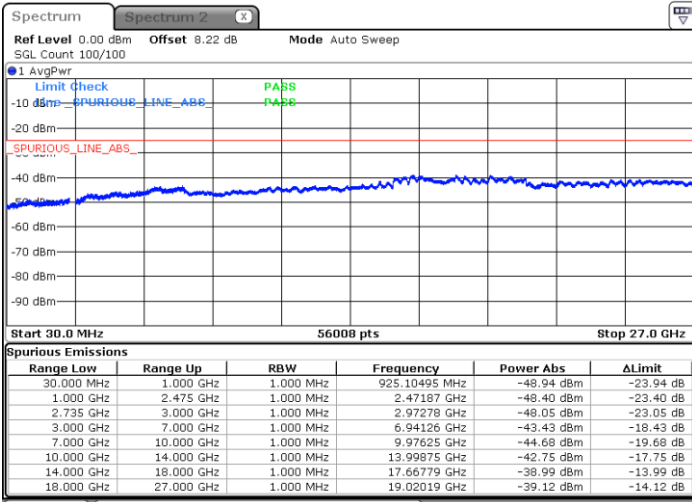
Date: 25.JUL.2024 14:50:54



LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

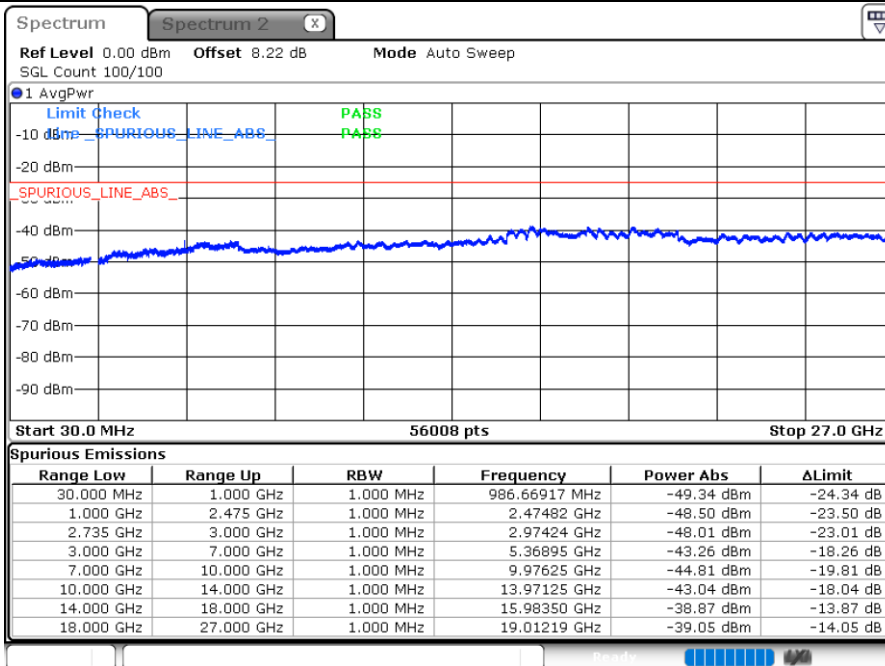
Middle Channel / QPSK



Date: 25.JUL.2024 15:03:11

Date: 25.JUL.2024 15:14:13

Highest Channel / QPSK



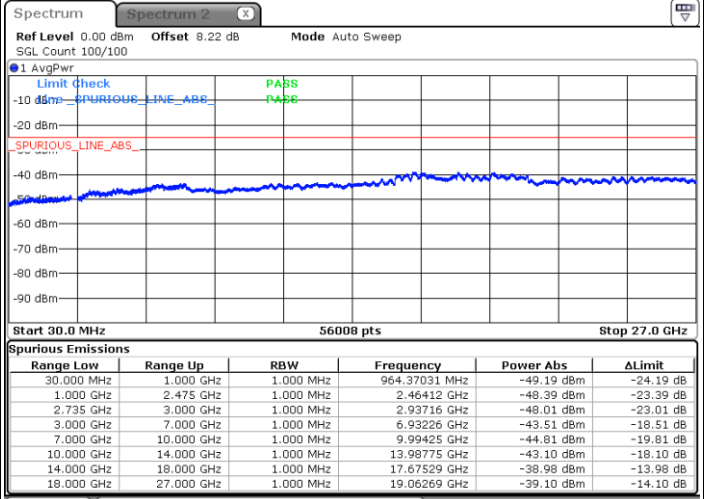
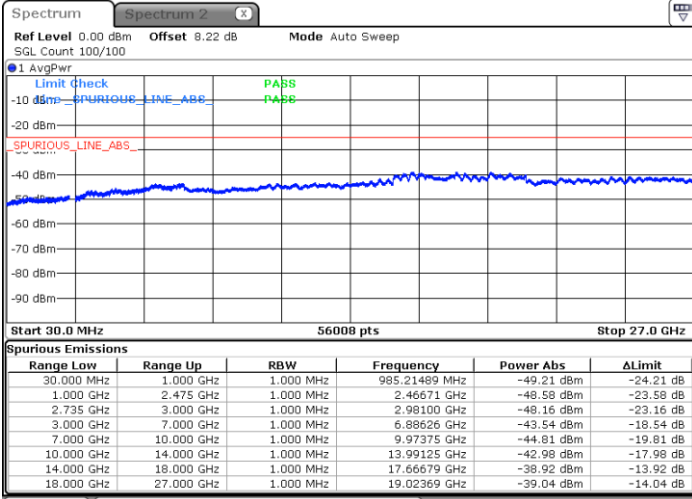
Date: 25.JUL.2024 15:15:50



LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

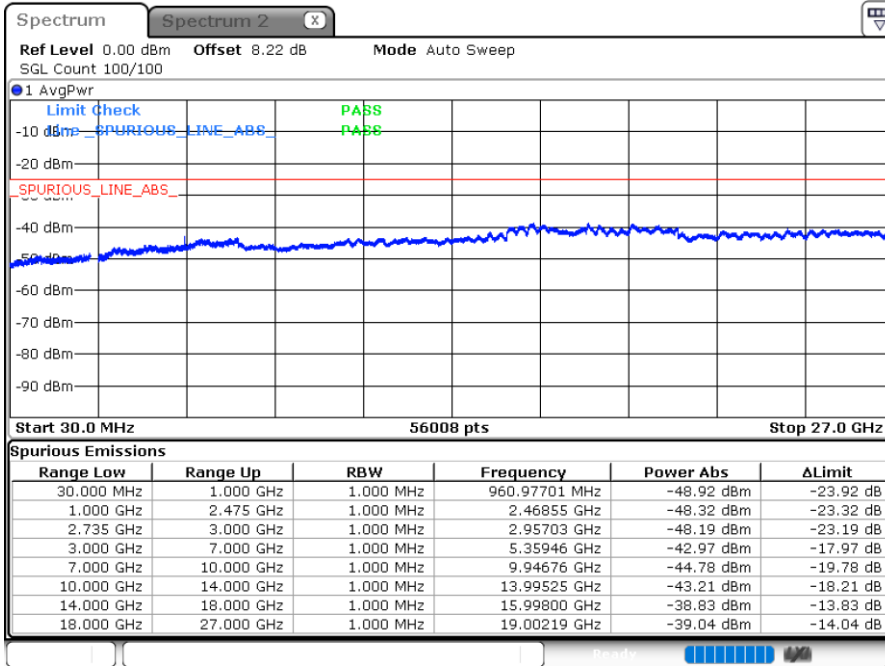
Middle Channel / QPSK



Date: 25.JUL.2024 15:27:00

Date: 25.JUL.2024 15:38:11

Highest Channel / QPSK



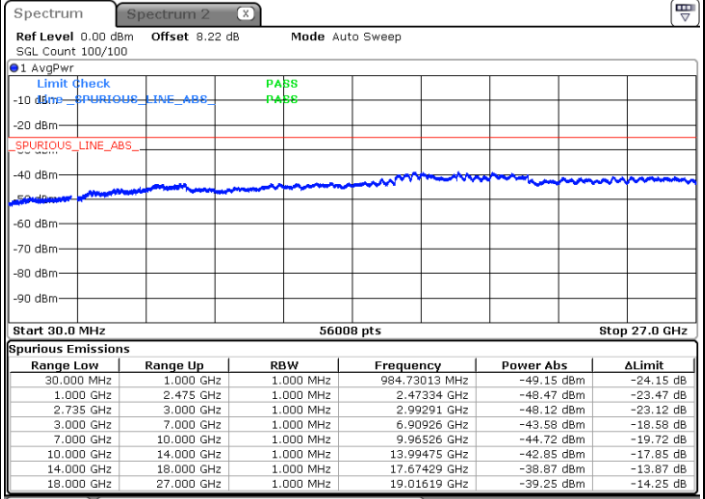
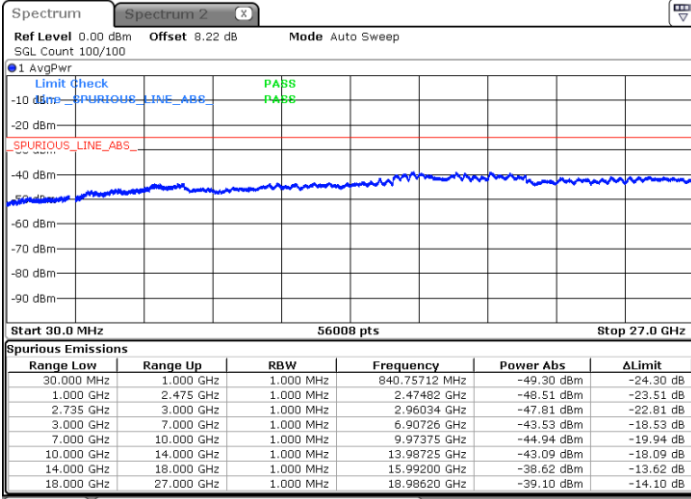
Date: 25.JUL.2024 15:39:49



LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

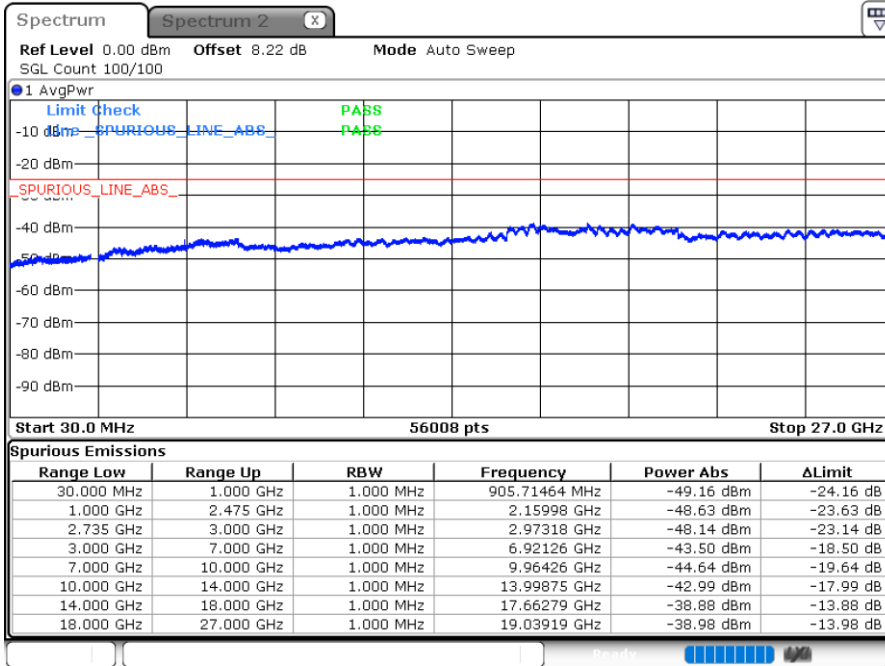
Middle Channel / QPSK



Date: 25.JUL.2024 15:50:59

Date: 25.JUL.2024 16:02:11

Highest Channel / QPSK



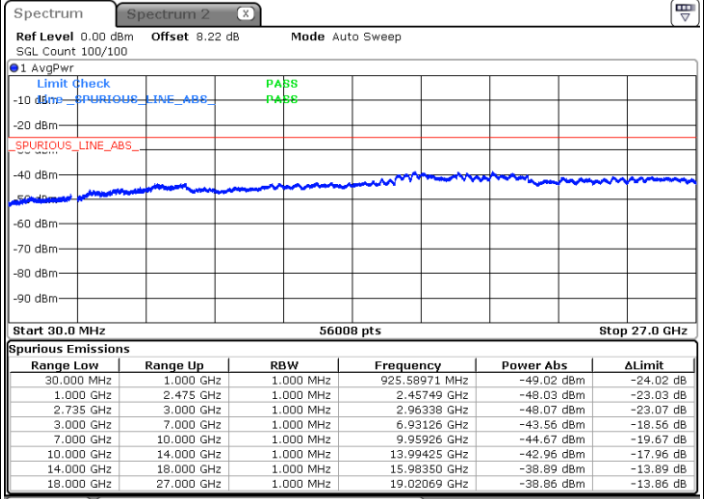
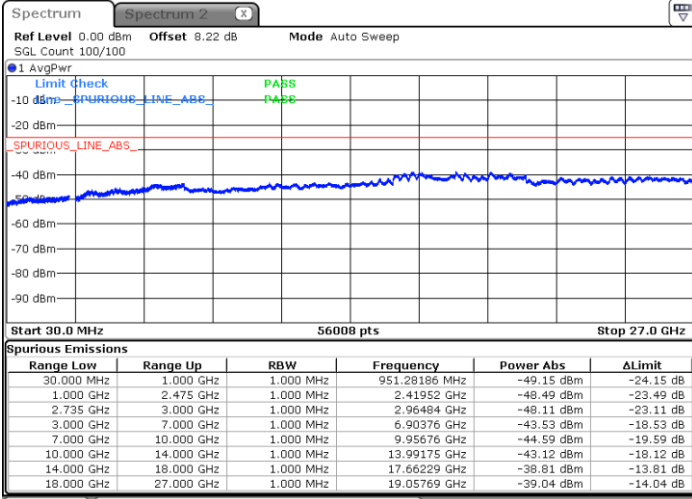
Date: 25.JUL.2024 16:03:49



LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

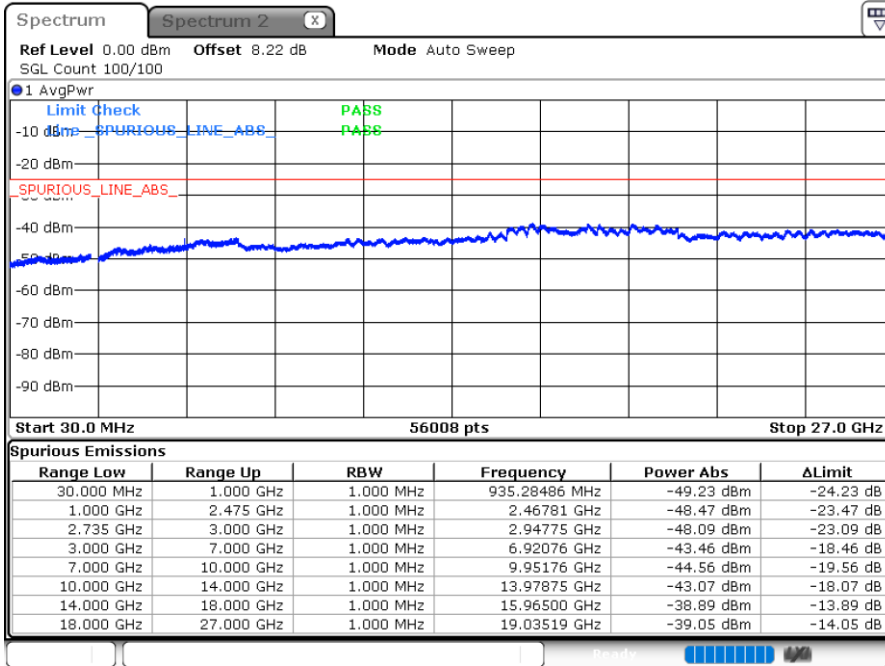
Middle Channel / QPSK



Date: 25.JUL.2024 16:15:00

Date: 25.JUL.2024 16:26:12

Highest Channel / QPSK



Date: 25.JUL.2024 16:27:49



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	0.0027	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0049	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0042	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0034	

Note:

1. Normal Voltage =3.91 V. ; Minimum Voltage =3.4 V. ; Maximum Voltage =4.5 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 :	Jake zhou	Temperature :	23~25°C
		Relative Humidity :	53~58%

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

LTE Band 7 / 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)
Middle	5050	-53.87	-25	-28.87	-64.08	3.03	13.24	H
	7584	-38.37	-25	-13.37	-47.82	3.56	13.01	H
	10104	-50.28	-25	-25.28	-59.80	3.92	13.44	H
	5050	-52.97	-25	-27.97	-63.18	3.03	13.24	V
	7584	-40.32	-25	-15.32	-49.77	3.56	13.01	V
	10104	-48.86	-25	-23.86	-58.38	3.92	13.44	V

LTE Band 7C / 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)
PCC Middle	5036	-57.25	-25	-32.25	-67.46	3.03	13.24	H
	7542	-49.96	-25	-24.96	-59.41	3.56	13.01	H
	10062	-52.08	-25	-27.08	-61.60	3.92	13.44	H
	5036	-57.64	-25	-32.64	-67.85	3.03	13.24	V
	7542	-49.65	-25	-24.65	-59.10	3.56	13.01	V
	10062	-52.22	-25	-27.22	-61.74	3.92	13.44	V
SCC Middle	5078	-61.96	-25	-36.96	-72.17	3.03	13.24	H
	7612	-56.51	-25	-31.51	-65.96	3.56	13.01	H
	10146	-51.72	-25	-26.72	-61.24	3.92	13.44	H
	5078	-60.93	-25	-35.93	-71.14	3.03	13.24	V
	7612	-56.84	-25	-31.84	-66.29	3.56	13.01	V
	10146	-51.77	-25	-26.77	-61.29	3.92	13.44	V



LTE Band 41 / 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)
Middle	5162	-53.09	-25	-28.09	-63.30	3.03	13.24	H
	7752	-38.93	-25	-13.93	-48.38	3.56	13.01	H
	10342	-49.73	-25	-24.73	-59.25	3.92	13.44	H
	5162	-50.14	-25	-25.14	-60.35	3.03	13.24	V
	7752	-38.56	-25	-13.56	-48.01	3.56	13.01	V
	10342	-51.05	-25	-26.05	-60.57	3.92	13.44	V

LTE Band 41C / 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)
PCC Middle	5148	-57.26	-25	-32.26	-67.47	3.03	13.24	H
	7724	-44.99	-25	-19.99	-54.44	3.56	13.01	H
	10300	-51.71	-25	-26.71	-61.23	3.92	13.44	H
	5148	-54.96	-25	-29.96	-65.17	3.03	13.24	V
	7724	-46.24	-25	-21.24	-55.69	3.56	13.01	V
	10300	-51.76	-25	-26.76	-61.28	3.92	13.44	V
SCC Middle	5190	-61.52	-25	-36.52	-71.73	3.03	13.24	H
	7780	-54.26	-25	-29.26	-63.71	3.56	13.01	H
	10370	-51.99	-25	-26.99	-61.51	3.92	13.44	H
	5190	-61.33	-25	-36.33	-71.54	3.03	13.24	V
	7780	-53.30	-25	-28.30	-62.75	3.56	13.01	V
	10370	-52.13	-25	-27.13	-61.65	3.92	13.44	V

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