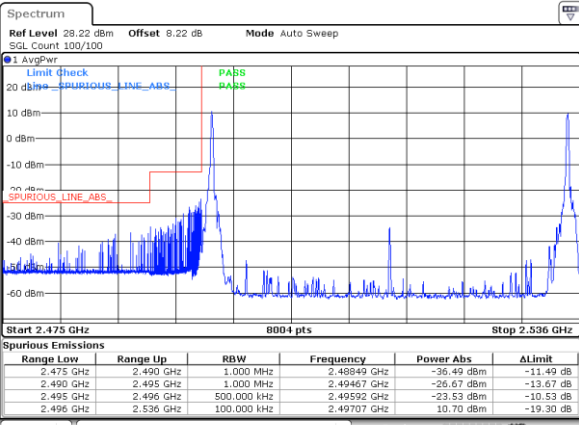




LTE Band 41 CA / 20MHz+20MHz

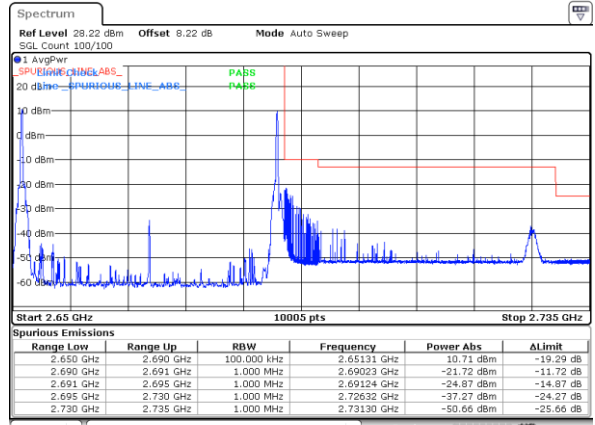
16QAM

Lowest Band Edge / 1RB0 and 1RB9



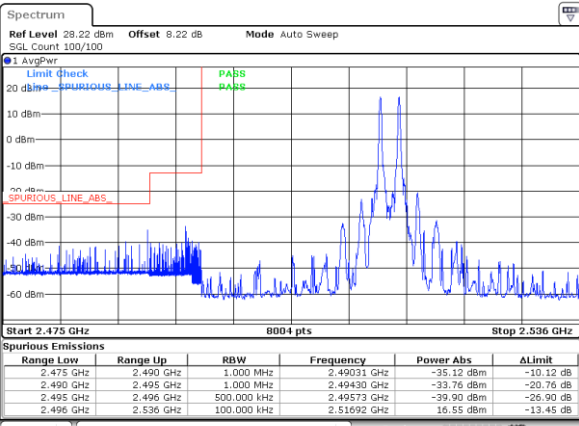
Date: 14.MAR.2024 19:22:55

Highest Band Edge / 1RB0 and 1RB9



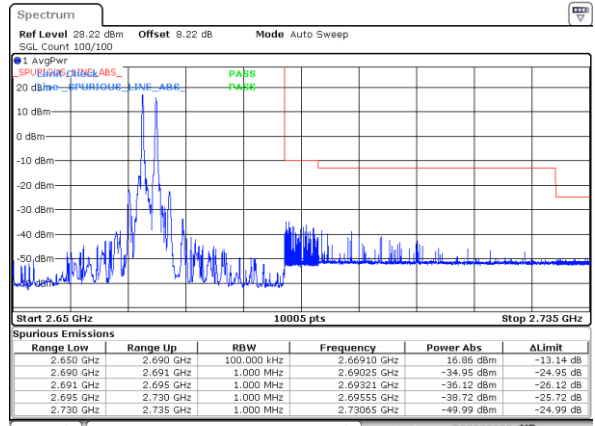
Date: 14.MAR.2024 19:33:41

Lowest Band Edge / 1RB99 and 1RB0



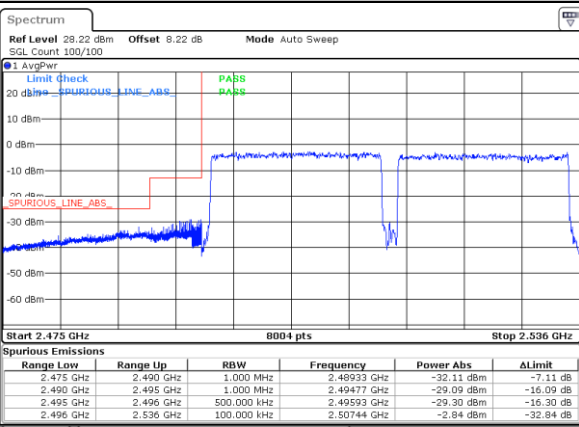
Date: 14.MAR.2024 19:19:19

Highest Band Edge / 1RB99 and 1RB0



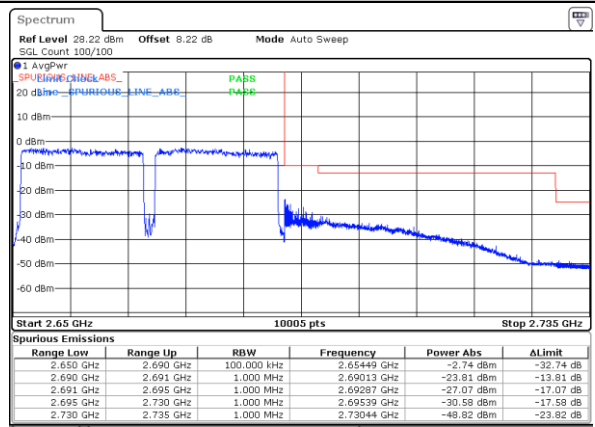
Date: 14.MAR.2024 19:30:09

Lowest Band Edge / Full RB



Date: 14.MAR.2024 19:26:30

Highest Band Edge / Full RB



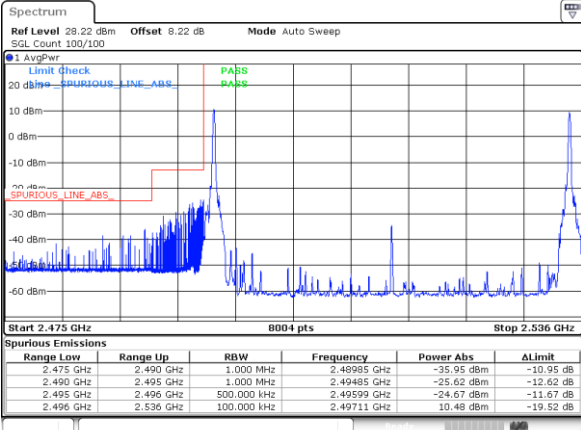
Date: 14.MAR.2024 19:37:13



LTE Band 41 CA / 20MHz+20MHz

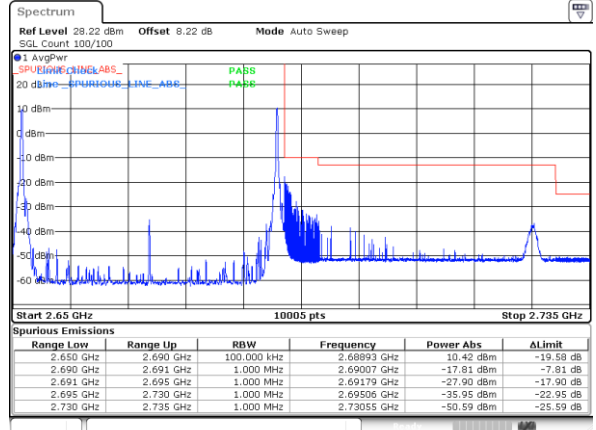
64QAM

Lowest Band Edge / 1RB0 and 1RB9



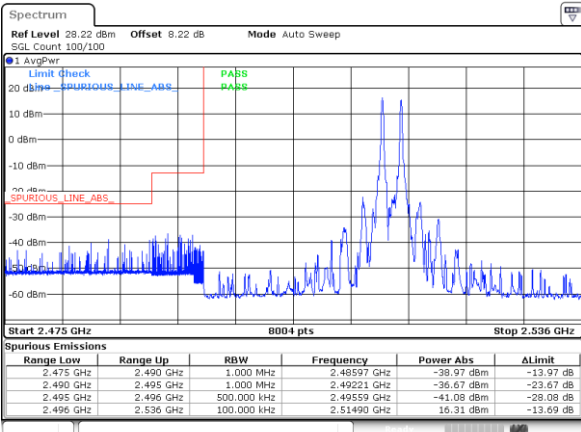
Date: 14.MAR.2024 19:23:49

Highest Band Edge / 1RB0 and 1RB9



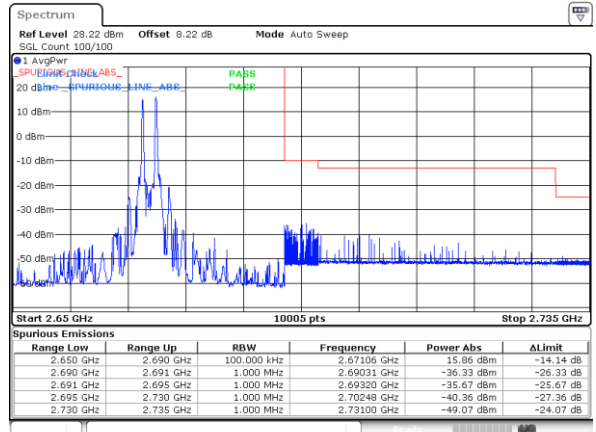
Date: 14.MAR.2024 19:34:34

Lowest Band Edge / 1RB99 and 1RB0



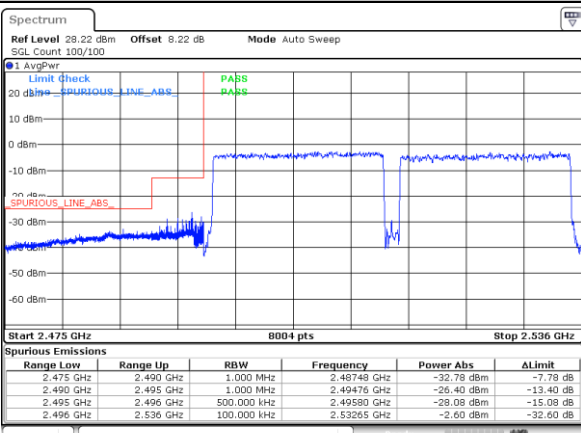
Date: 14.MAR.2024 19:20:13

Highest Band Edge / 1RB99 and 1RB0



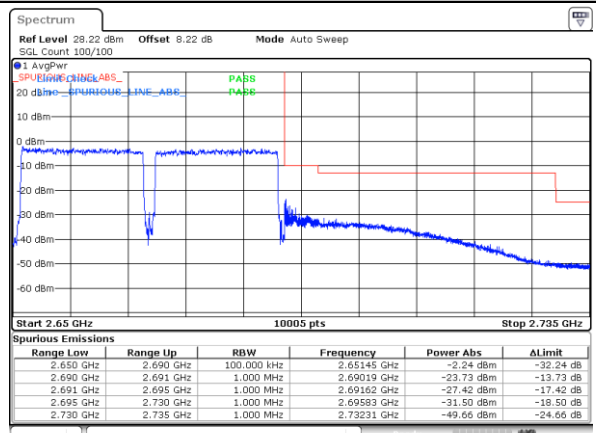
Date: 14.MAR.2024 19:31:02

Lowest Band Edge / Full RB



Date: 14.MAR.2024 19:27:24

Highest Band Edge / Full RB



Date: 14.MAR.2024 19:38:06

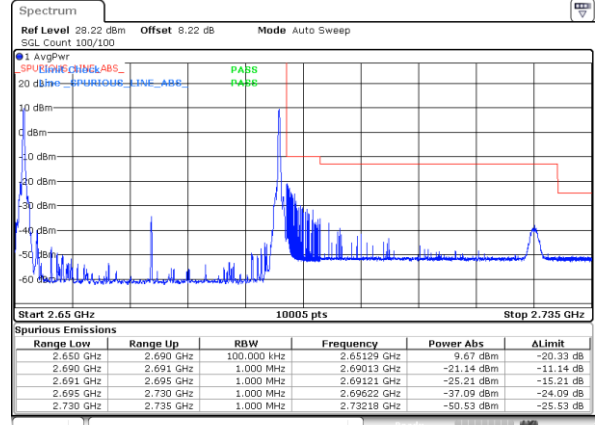
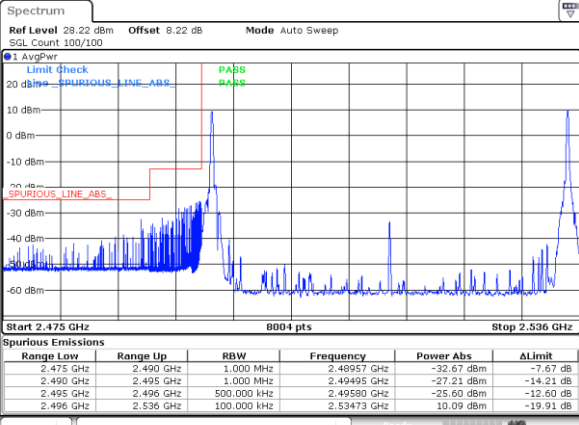


LTE Band 41 CA / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

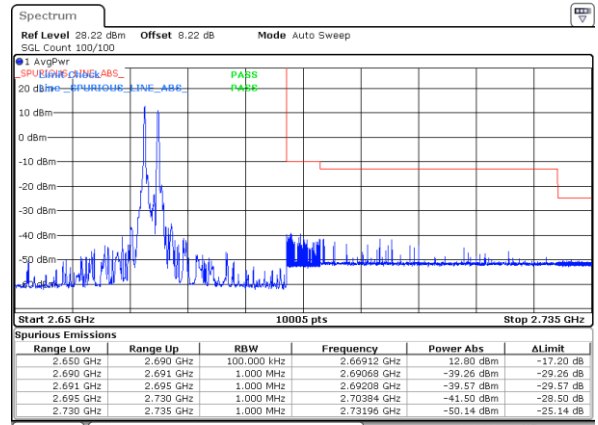
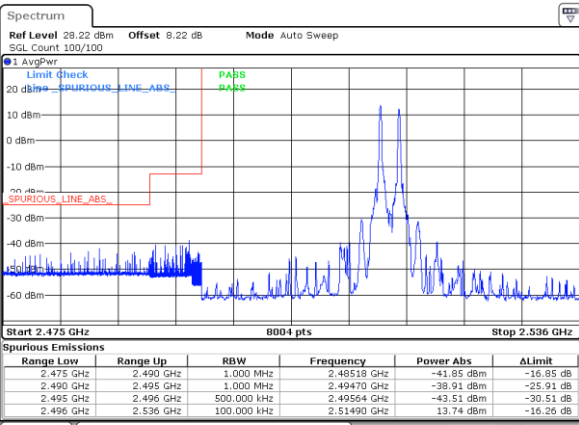


Date: 14.MAR.2024 19:24:42

Date: 14.MAR.2024 19:35:27

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

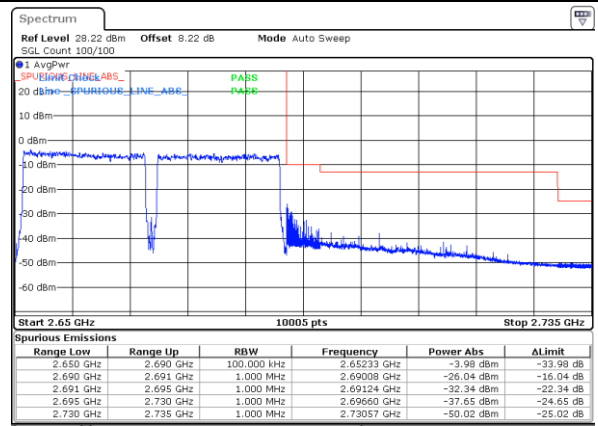
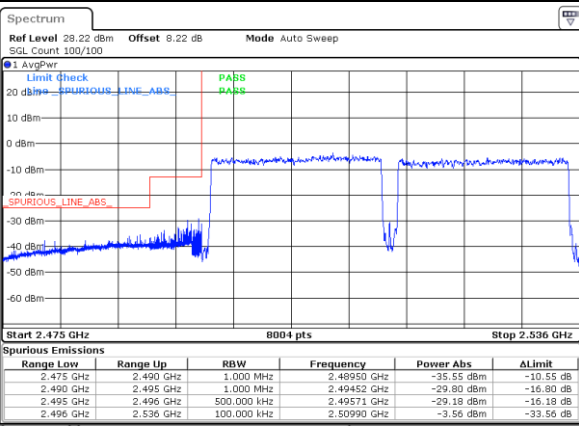


Date: 14.MAR.2024 19:21:07

Date: 14.MAR.2024 19:31:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.MAR.2024 19:28:17

Date: 14.MAR.2024 19:38:59

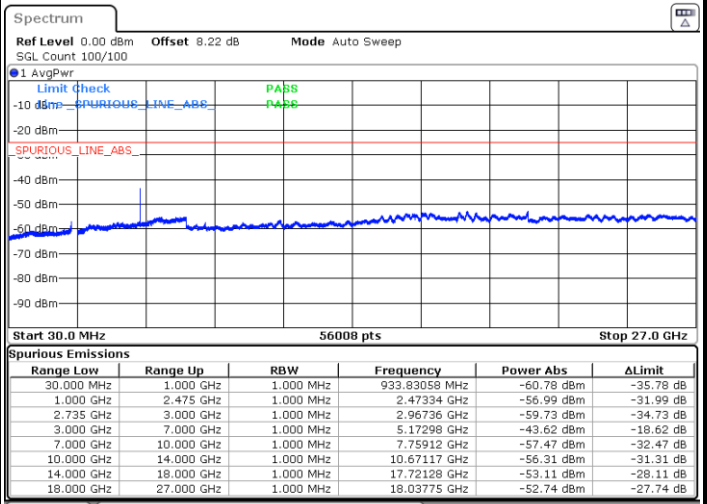
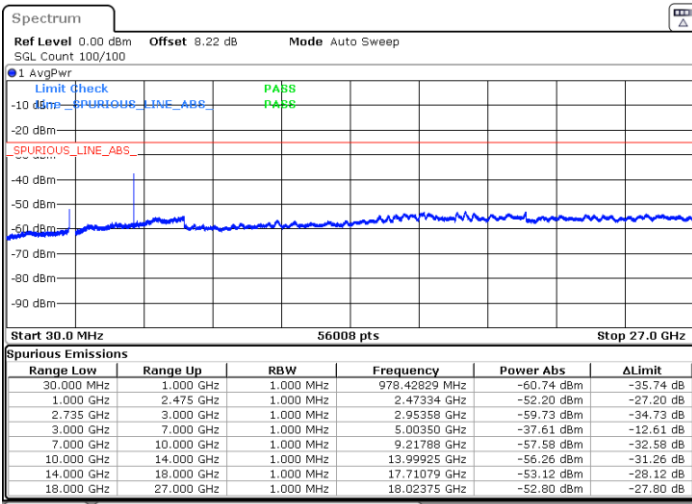


Conducted Spurious Emission

LTE Band 41 CA / 5MHz+20MHz

Lowest Channel / QPSK

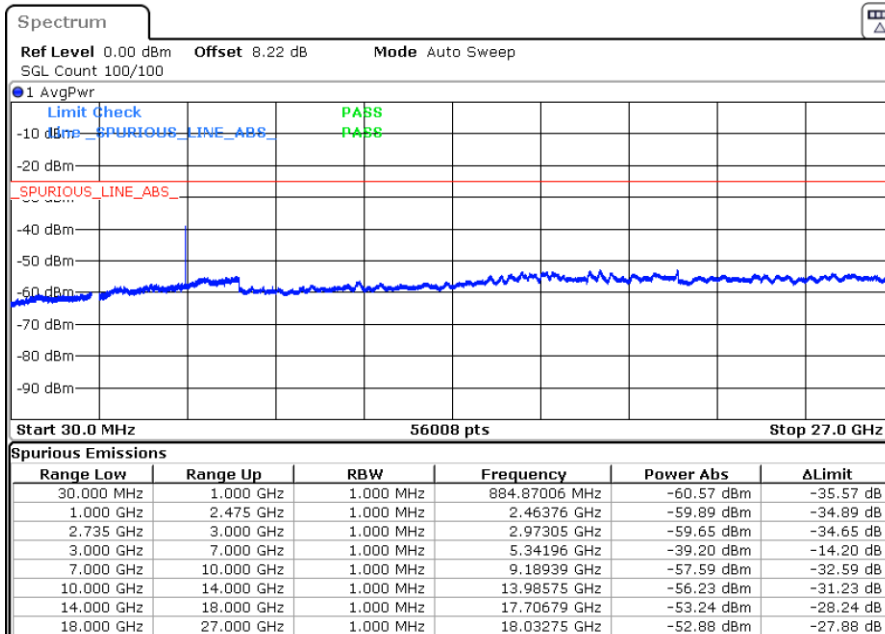
Middle Channel / QPSK



Date: 1.FEB.2024 11:25:04

Date: 1.FEB.2024 11:38:37

Highest Channel / QPSK



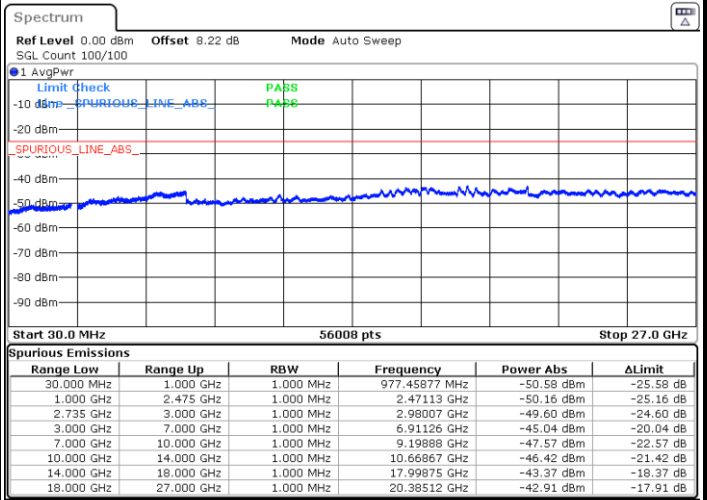
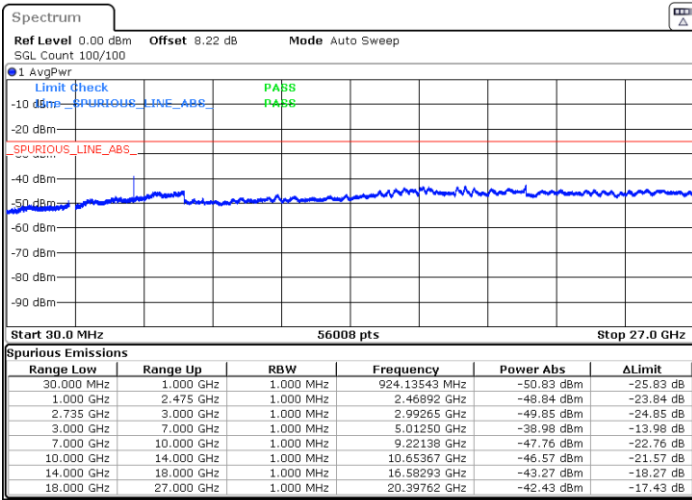
Date: 1.FEB.2024 11:40:27



LTE Band 41 CA / 10MHz+15MHz

Lowest Channel / QPSK

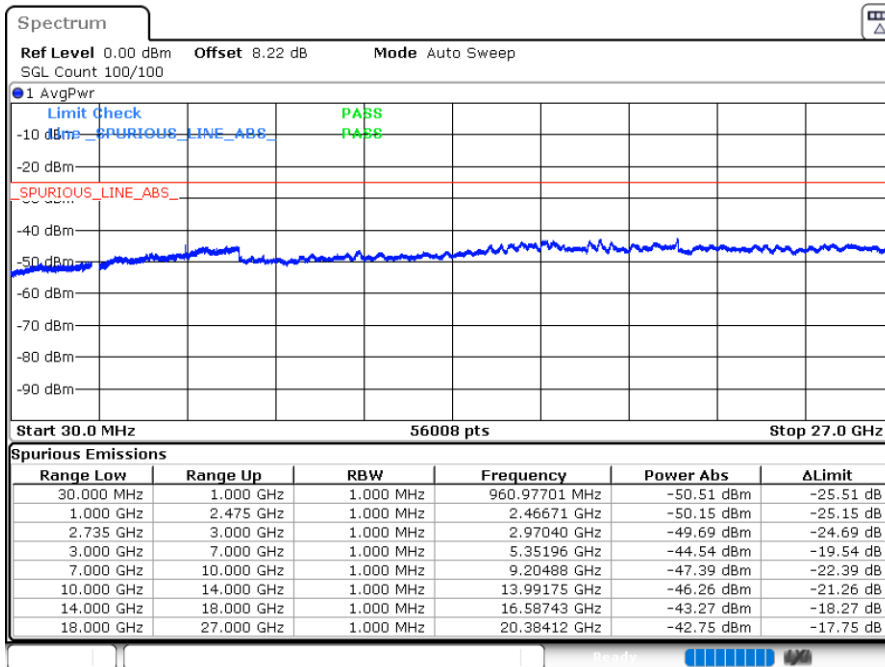
Middle Channel / QPSK



Date: 1.FEB.2024 11:53:14

Date: 1.FEB.2024 12:04:32

Highest Channel / QPSK



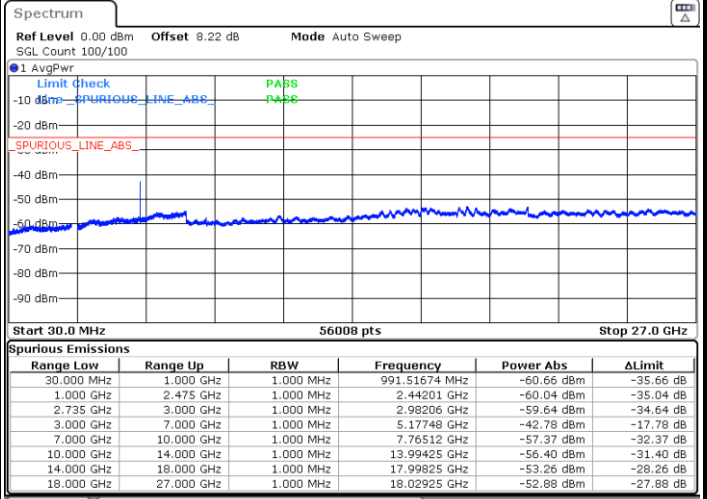
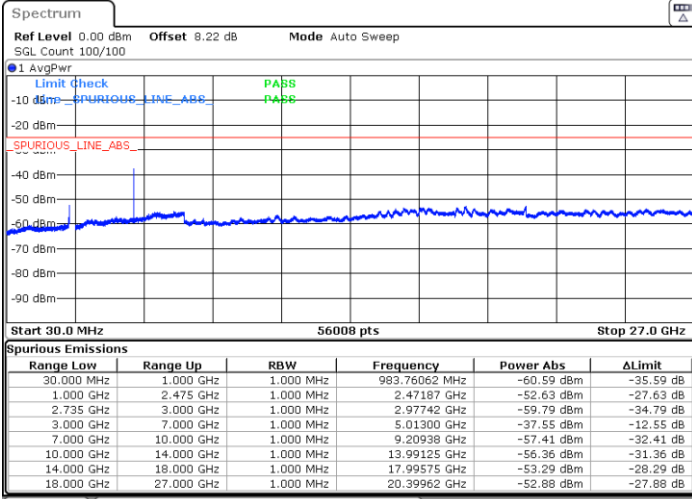
Date: 1.FEB.2024 12:06:22



LTE Band 41 CA / 10MHz+20MHz

Lowest Channel / QPSK

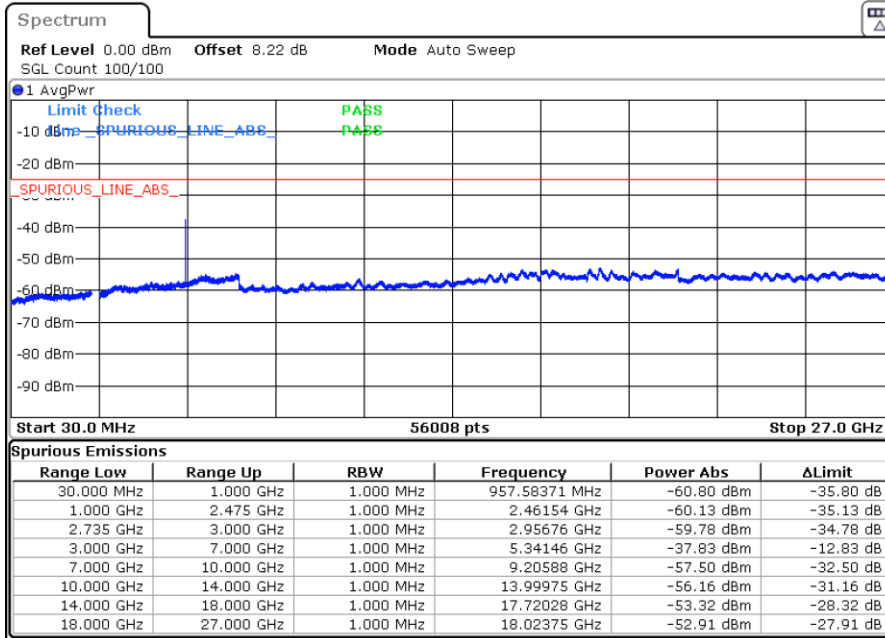
Middle Channel / QPSK



Date: 1.FEB.2024 12:17:58

Date: 1.FEB.2024 12:29:32

Highest Channel / QPSK



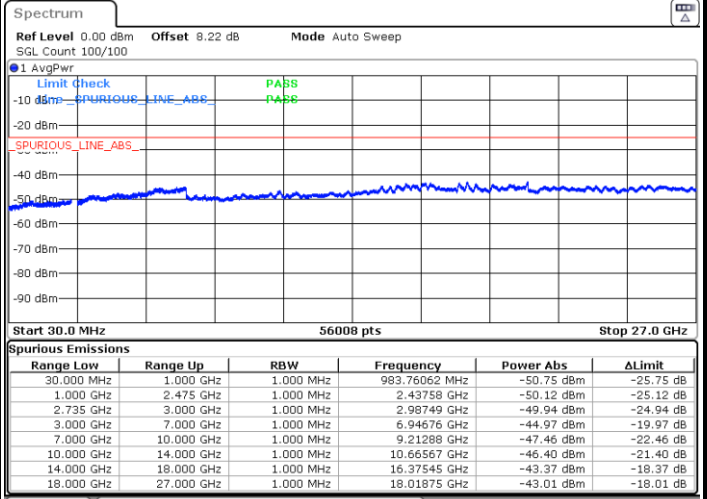
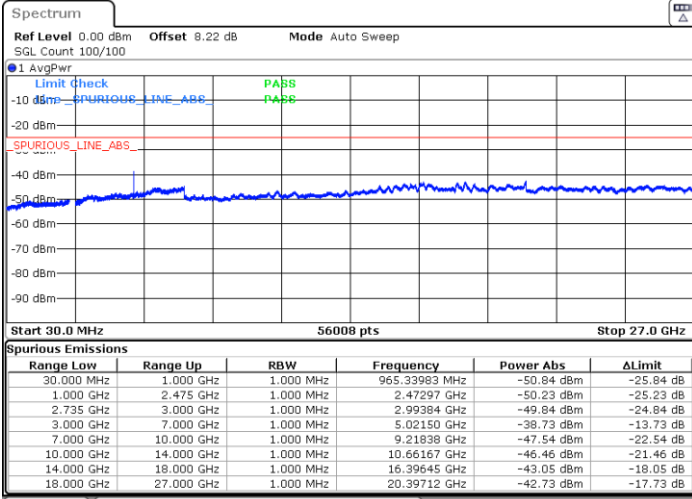
Date: 1.FEB.2024 12:31:21



LTE Band 41 CA / 15MHz+10MHz

Lowest Channel / QPSK

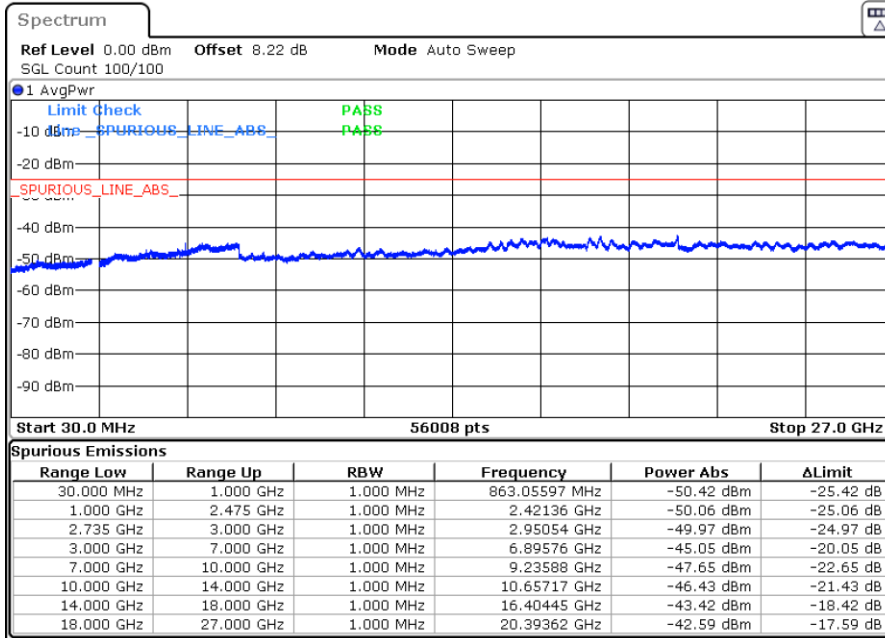
Middle Channel / QPSK



Date: 1.FEB.2024 12:42:54

Date: 1.FEB.2024 12:54:12

Highest Channel / QPSK



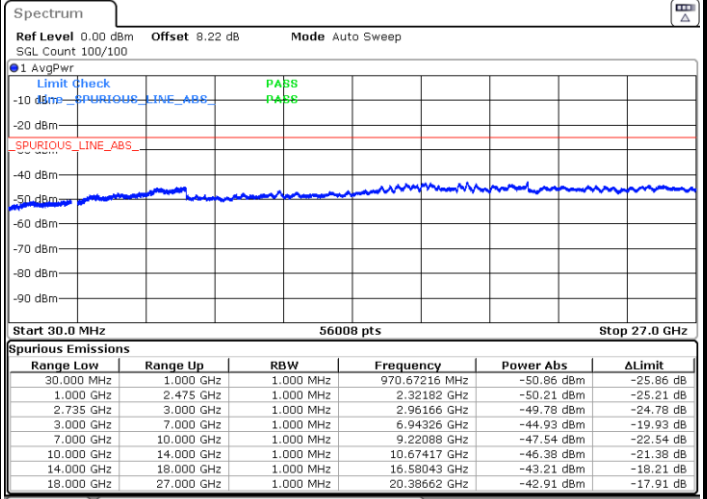
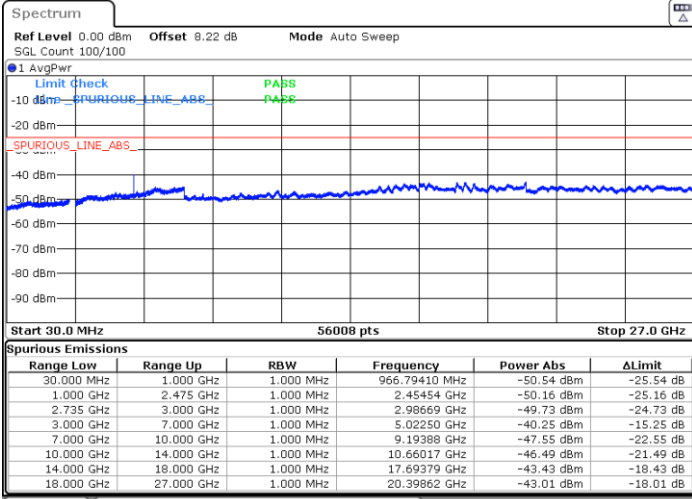
Date: 1.FEB.2024 12:56:02



LTE Band 41 CA / 15MHz+15MHz

Lowest Channel / QPSK

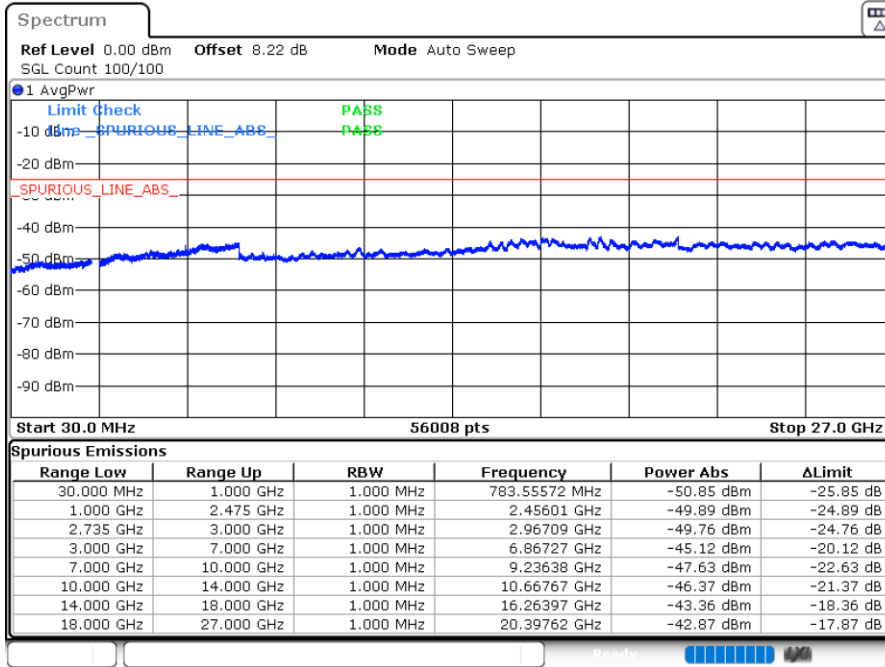
Middle Channel / QPSK



Date: 1.FEB.2024 13:07:37

Date: 1.FEB.2024 13:19:11

Highest Channel / QPSK



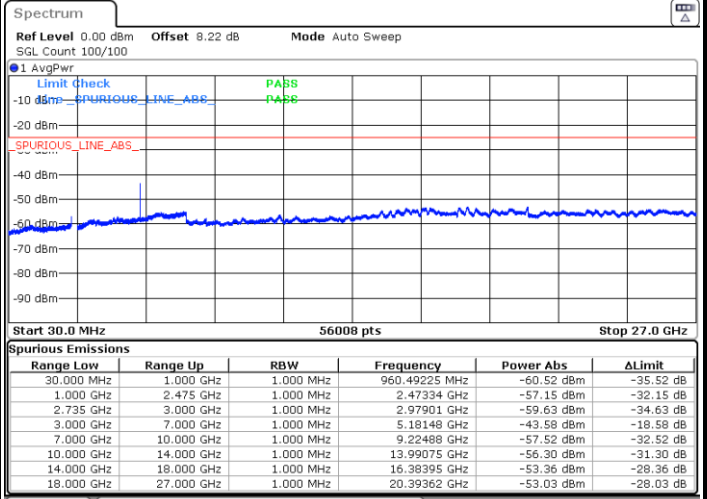
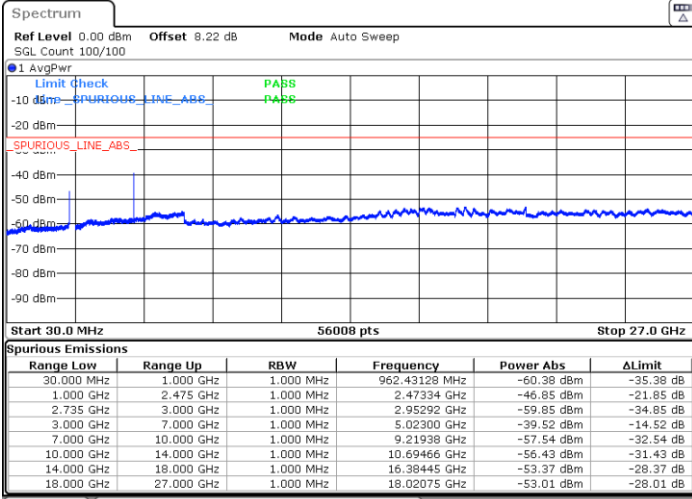
Date: 1.FEB.2024 13:21:02



LTE Band 41 CA / 15MHz+20MHz

Lowest Channel / QPSK

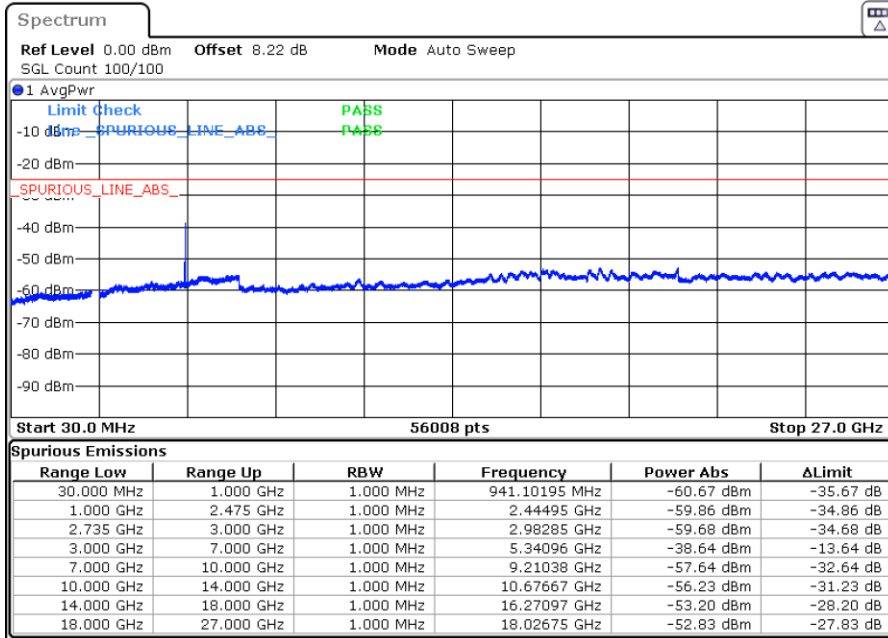
Middle Channel / QPSK



Date: 1.FEB.2024 13:32:35

Date: 1.FEB.2024 13:44:10

Highest Channel / QPSK



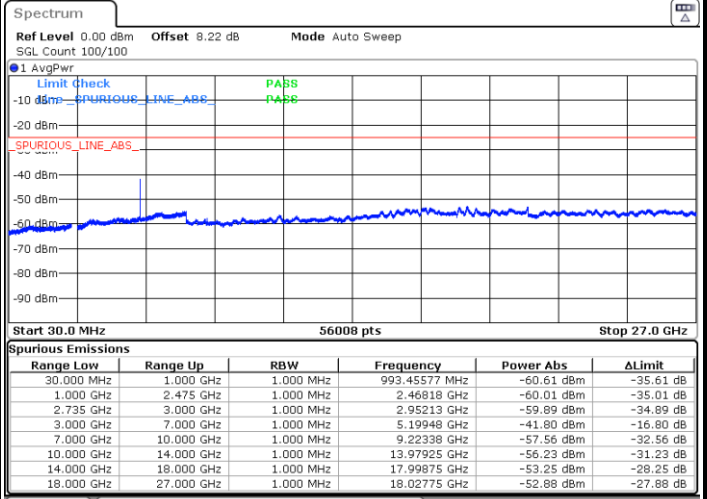
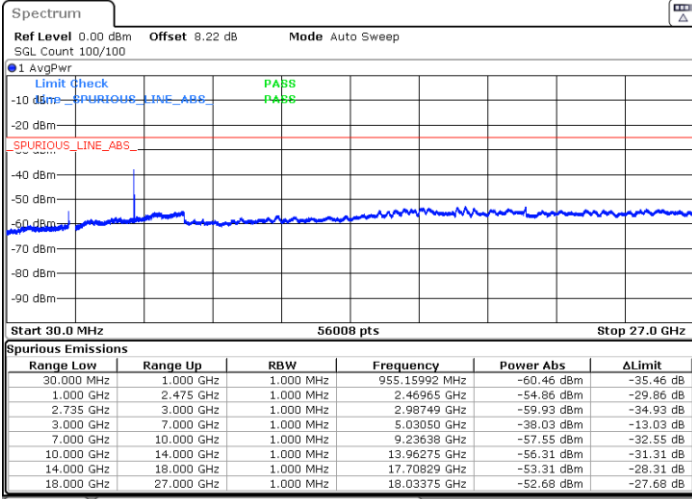
Date: 1.FEB.2024 13:46:00



LTE Band 41 CA / 20MHz+5MHz

Lowest Channel / QPSK

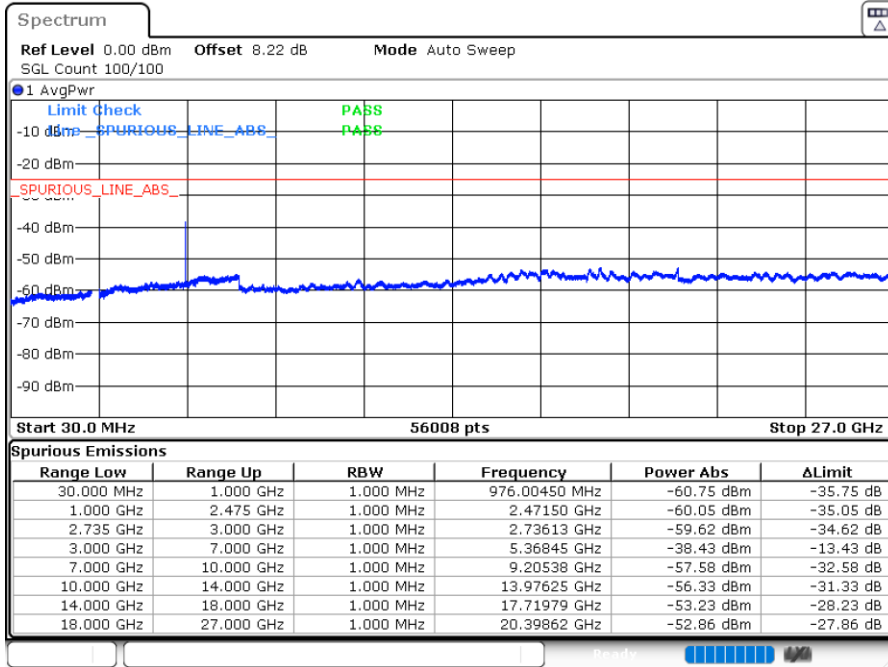
Middle Channel / QPSK



Date: 1.FEB.2024 13:57:35

Date: 1.FEB.2024 14:08:58

Highest Channel / QPSK



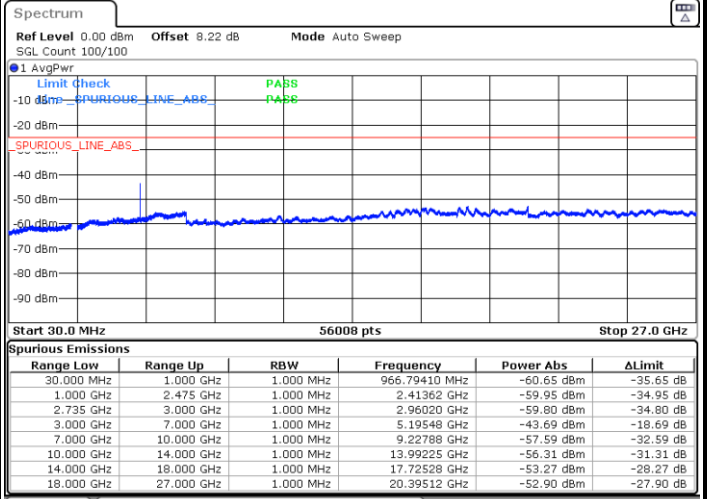
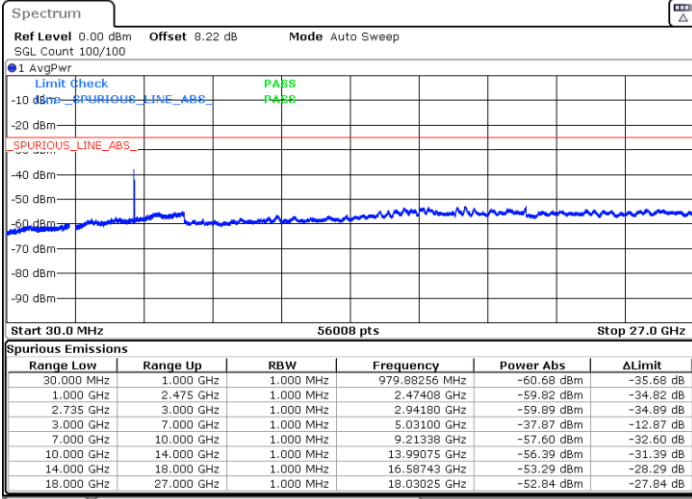
Date: 1.FEB.2024 14:10:48



LTE Band 41 CA / 20MHz+10MHz

Lowest Channel / QPSK

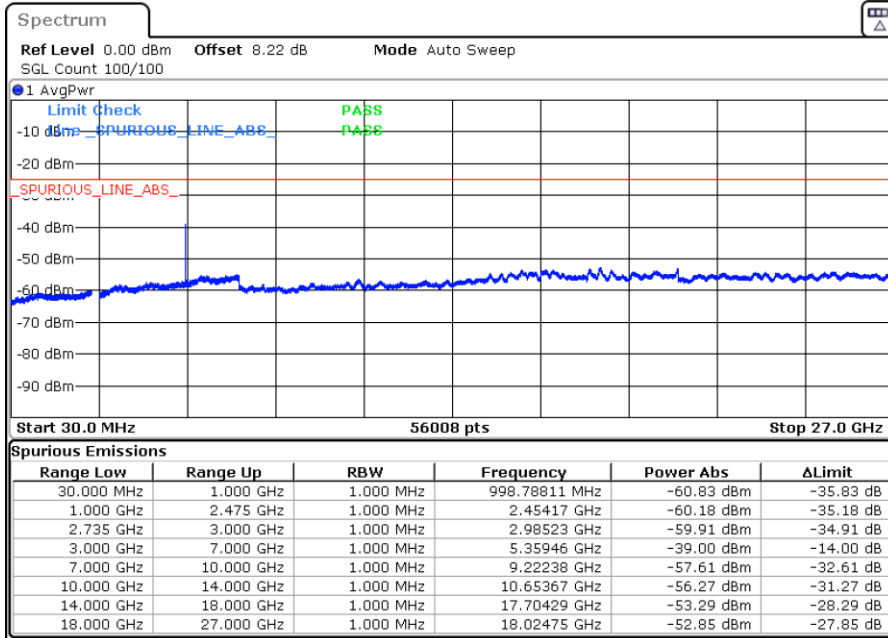
Middle Channel / QPSK



Date: 1.FEB.2024 15:45:43

Date: 1.FEB.2024 15:57:16

Highest Channel / QPSK



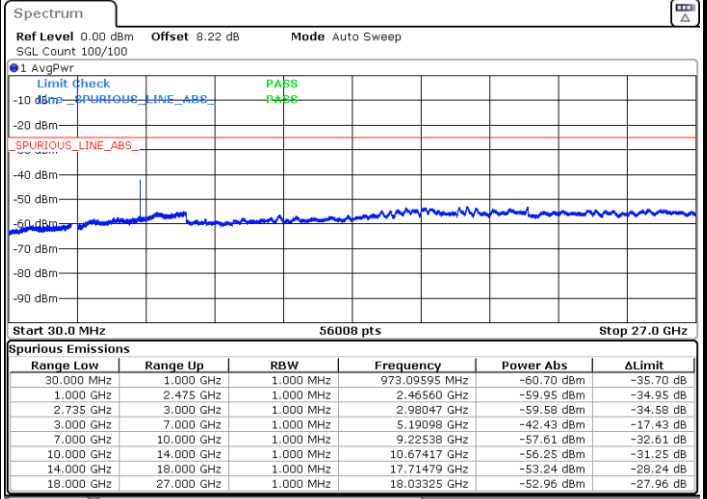
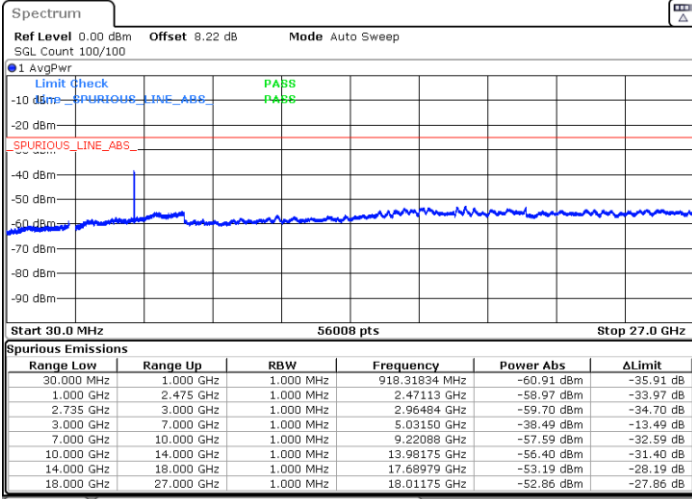
Date: 1.FEB.2024 15:59:06



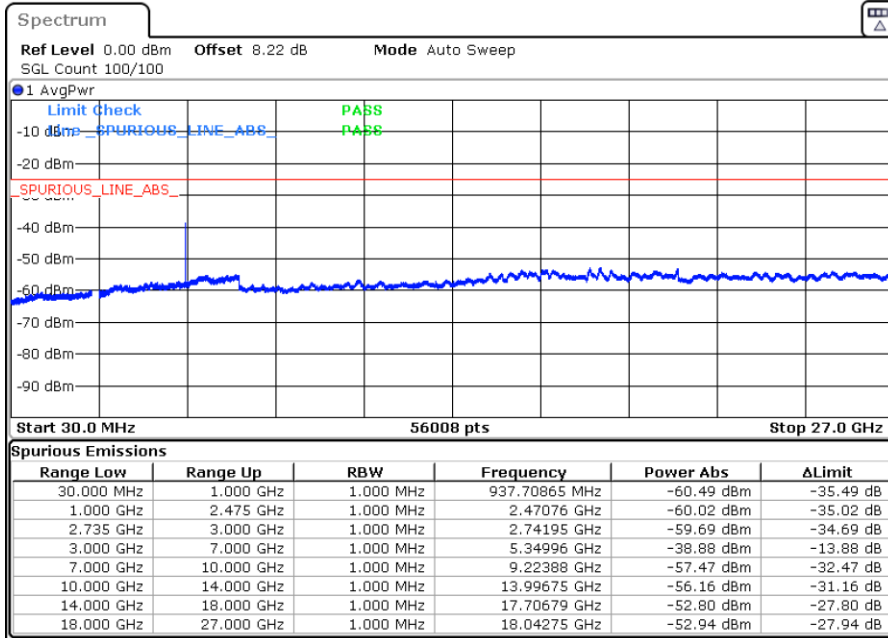
LTE Band 41 CA / 20MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

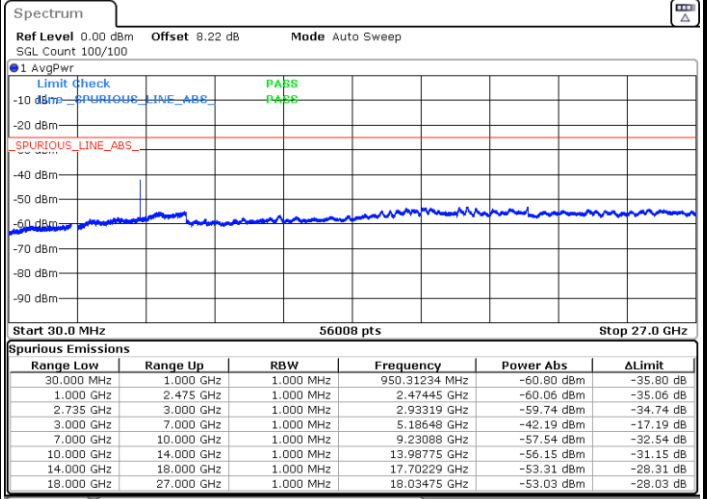
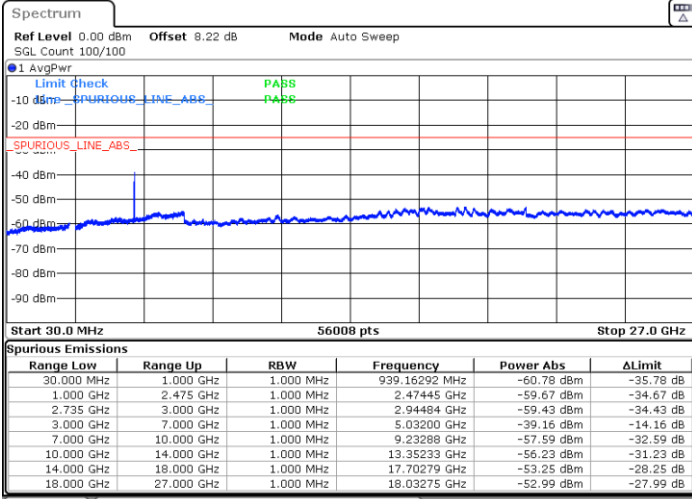




LTE Band 41 CA / 20MHz+20MHz

Lowest Channel / QPSK

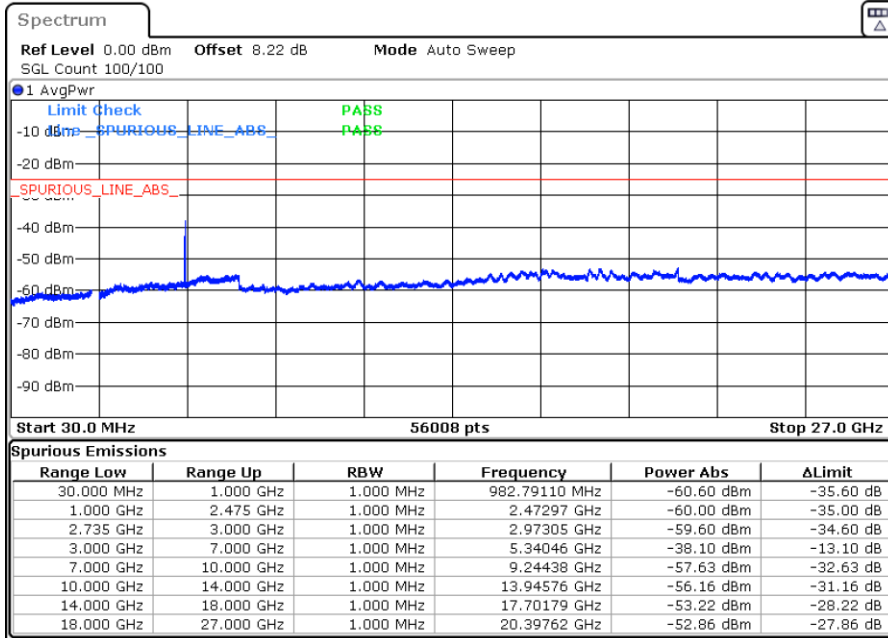
Middle Channel / QPSK



Date: 1.FEB.2024 16:35:48

Date: 1.FEB.2024 16:47:26

Highest Channel / QPSK



Date: 1.FEB.2024 16:49:17



Frequency Stability

Test Conditions		LTE Band 41 CA (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0118	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0090	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0110	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0133	
-20	Normal Voltage	0.0124	
-30	Normal Voltage	0.0120	
20	Maximum Voltage	0.0095	
20	Normal Voltage	0.0098	
20	Battery End Point	0.0106	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.5 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 :	41~42%

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

LTE Band 7(Main PA) / 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	-58.42	-25	-33.42	-68.63	3.03	13.24	H
	7584	-46.99	-25	-21.99	-56.44	3.56	13.01	H
	10104	-52.86	-25	-27.86	-62.38	3.92	13.44	H
	5050	-57.66	-25	-32.66	-67.87	3.03	13.24	V
	7584	-45.56	-25	-20.56	-55.01	3.56	13.01	V
	10104	-53.01	-25	-28.01	-62.53	3.92	13.44	V

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

LTE Band 7(Other PA) / 20MHz / QPSK / ANT4								
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	-58.74	-25	-33.74	-68.95	3.03	13.24	H
	7584	-46.84	-25	-21.84	-56.29	3.56	13.01	H
	10104	-53.51	-25	-28.51	-63.03	3.92	13.44	H
	5050	-56.67	-25	-31.67	-66.88	3.03	13.24	V
	7584	-45.95	-25	-20.95	-55.40	3.56	13.01	V
	10104	-53.70	-25	-28.70	-63.22	3.92	13.44	V

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



LTE Band 7C / 20+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	5036	-61.85	-25	-36.85	-72.06	3.03	13.24	H
	7542	-56.57	-25	-31.57	-66.02	3.56	13.01	H
	10062	-52.63	-25	-27.63	-62.15	3.92	13.44	H
	5036	-60.88	-25	-35.88	-71.09	3.03	13.24	V
	7542	-57.30	-25	-32.30	-66.75	3.56	13.01	V
	10062	-52.84	-25	-27.84	-62.36	3.92	13.44	V
	5078	-61.74	-25	-36.74	-71.95	3.03	13.24	H
	7612	-58.08	-25	-33.08	-67.53	3.56	13.01	H
	10146	-52.83	-25	-27.83	-62.35	3.92	13.44	H
	5078	-62.01	-25	-37.01	-72.22	3.03	13.24	V
	7612	-58.06	-25	-33.06	-67.51	3.56	13.01	V
	10146	-52.65	-25	-27.65	-62.17	3.92	13.44	V

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

LTE Band 38C / 20+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	5148	-58.69	-25	-33.69	-68.90	3.03	13.24	H
	7724	-50.33	-25	-25.33	-59.78	3.56	13.01	H
	10300	-52.42	-25	-27.42	-61.94	3.92	13.44	H
	5148	-56.46	-25	-31.46	-66.67	3.03	13.24	V
	7724	-55.00	-25	-30.00	-64.45	3.56	13.01	V
	10300	-52.55	-25	-27.55	-62.07	3.92	13.44	V
	5190	-61.62	-25	-36.62	-71.83	3.03	13.24	H
	7794	-56.97	-25	-31.97	-66.42	3.56	13.01	H
	10384	-52.76	-25	-27.76	-62.28	3.92	13.44	H
	5190	-61.16	-25	-36.16	-71.37	3.03	13.24	V
	7794	-56.63	-25	-31.63	-66.08	3.56	13.01	V
	10384	-52.59	-25	-27.59	-62.11	3.92	13.44	V

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



LTE Band 41(Main PA) / 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	-56.80	-25	-31.80	-67.01	3.03	13.24	H
	7752	-44.26	-25	-19.26	-53.71	3.56	13.01	H
	10342	-52.18	-25	-27.18	-61.70	3.92	13.44	H
	5162	-52.12	-25	-27.12	-62.33	3.03	13.24	V
	7752	-45.71	-25	-20.71	-55.16	3.56	13.01	V
	10342	-52.53	-25	-27.53	-62.05	3.92	13.44	V

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

LTE Band 41(Other PA) / 20MHz / QPSK / ANT4								
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	-55.08	-25	-30.08	-65.29	3.03	13.24	H
	7752	-42.62	-25	-17.62	-52.07	3.56	13.01	H
	10342	-50.69	-25	-25.69	-60.21	3.92	13.44	H
	5162	-44.71	-25	-19.71	-54.92	3.03	13.24	V
	7752	-45.14	-25	-20.14	-54.59	3.56	13.01	V
	10342	-50.31	-25	-25.31	-59.83	3.92	13.44	V

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

LTE Band 41C / 20+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	5148	-57.66	-25	-32.66	-67.87	3.03	13.24	H
	7724	-53.04	-25	-28.04	-62.49	3.56	13.01	H
	10300	-51.81	-25	-26.81	-61.33	3.92	13.44	H
	5148	-55.90	-25	-30.90	-66.11	3.03	13.24	V
	7724	-54.14	-25	-29.14	-63.59	3.56	13.01	V
	10300	-52.40	-25	-27.40	-61.92	3.92	13.44	V
	5190	-61.62	-25	-36.62	-71.83	3.03	13.24	H
	7780	-56.84	-25	-31.84	-66.29	3.56	13.01	H
	10370	-52.34	-25	-27.34	-61.86	3.92	13.44	H
	5190	-61.64	-25	-36.64	-71.85	3.03	13.24	V
	7780	-56.63	-25	-31.63	-66.08	3.56	13.01	V
	10370	-52.36	-25	-27.36	-61.88	3.92	13.44	V

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