

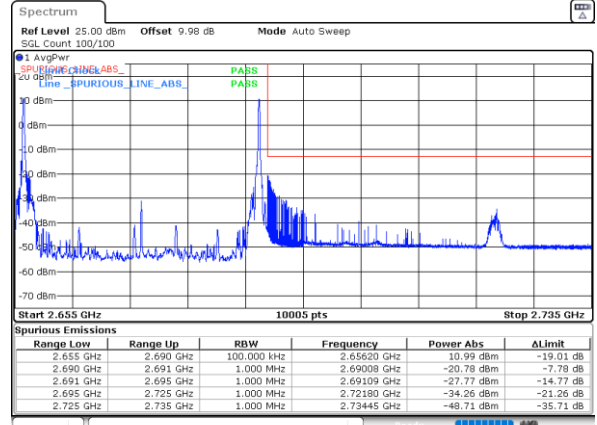
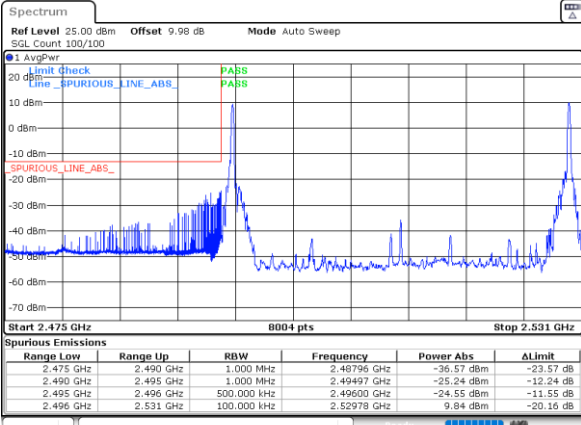


LTE Band 41C / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

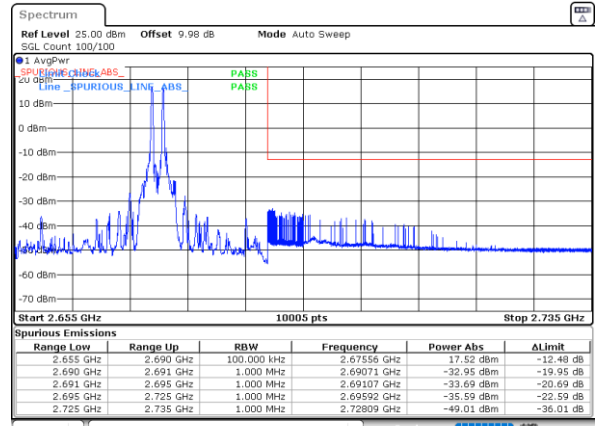
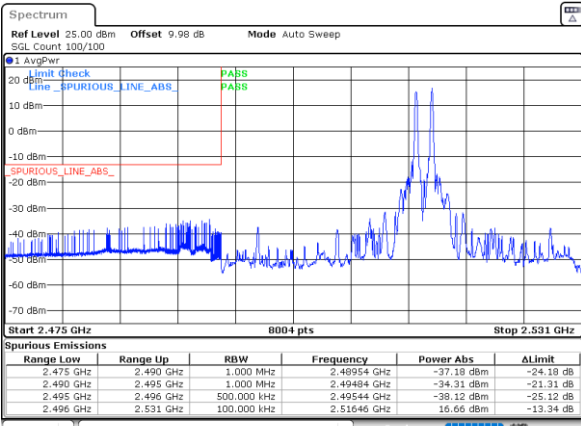


Date: 4.MAY.2023 23:35:46

Date: 4.MAY.2023 23:57:20

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

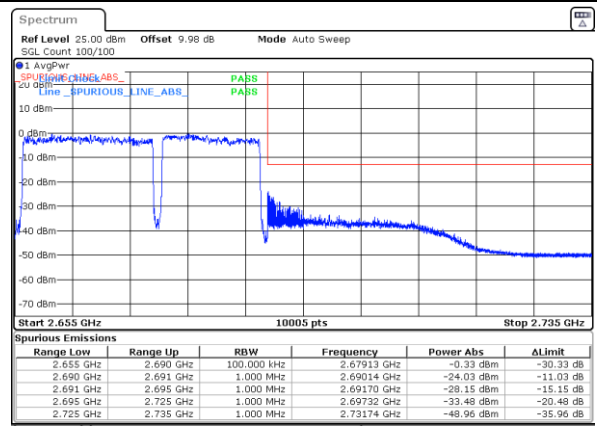
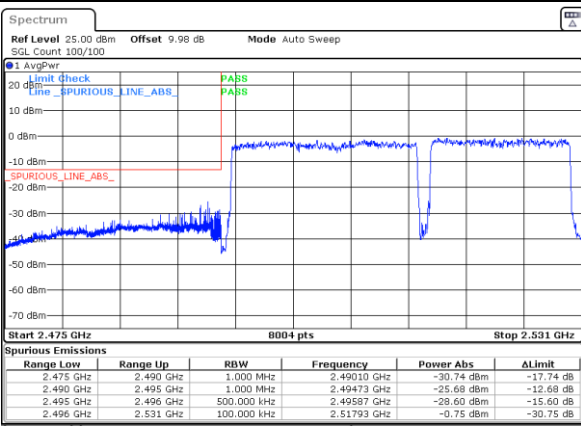


Date: 4.MAY.2023 23:41:44

Date: 5.MAY.2023 00:00:25

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.MAY.2023 23:33:13

Date: 4.MAY.2023 23:54:48

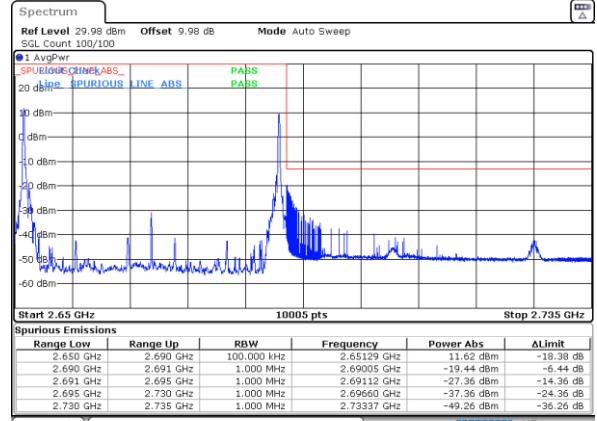
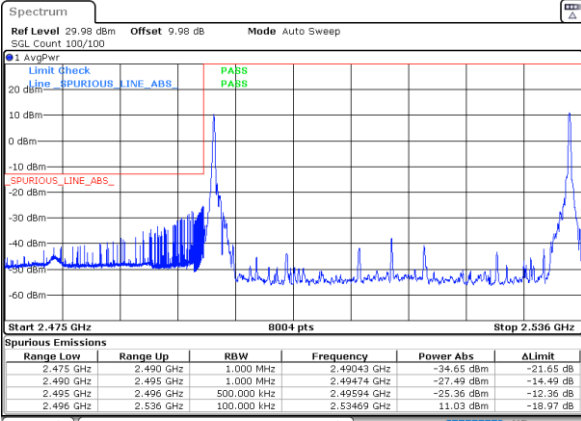


LTE Band 41C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

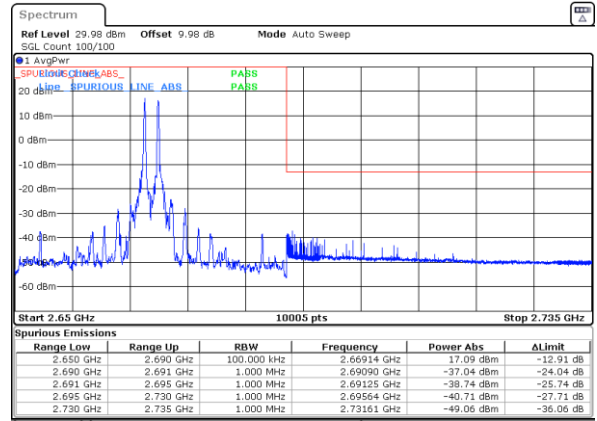
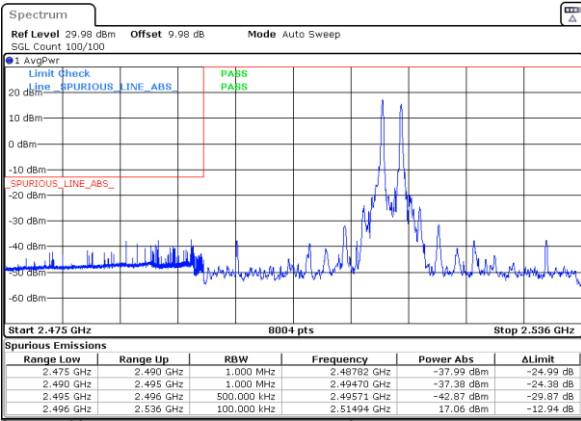


Date: 5\_MAY.2023 00:19:11

Date: 5\_MAY.2023 00:16:55

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

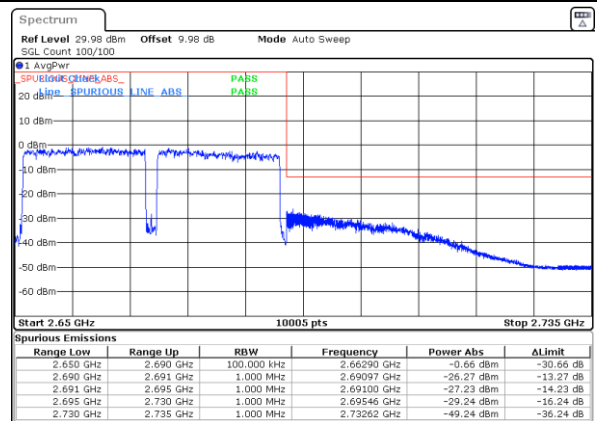
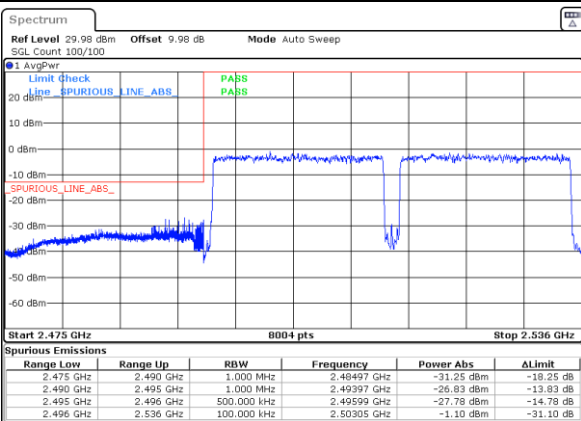


Date: 5\_MAY.2023 00:41:44

Date: 5\_MAY.2023 00:19:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

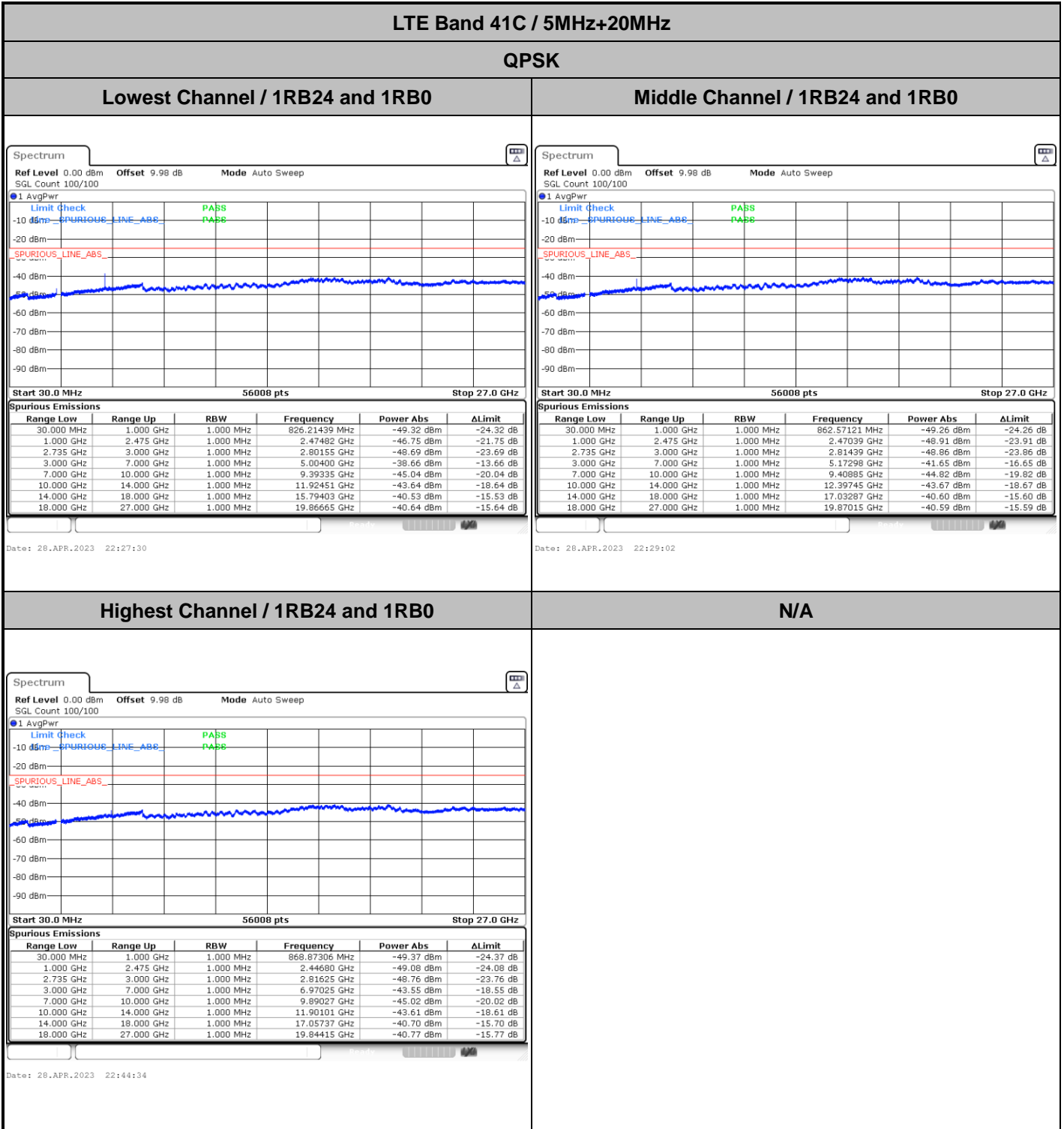


Date: 5\_MAY.2023 00:16:17

Date: 5\_MAY.2023 00:44:23



A6.4 Conducted Spurious Emission



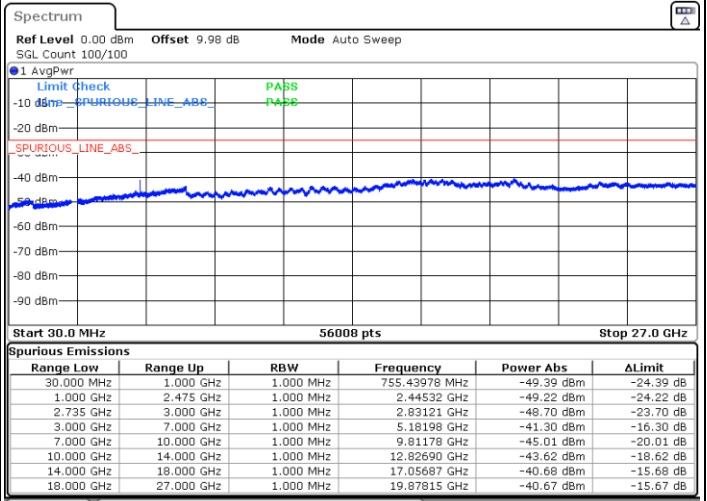
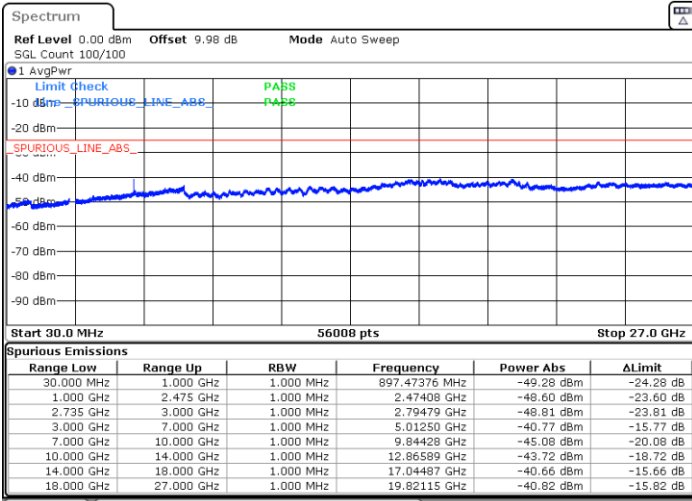


LTE Band 41C / 10MHz+15MHz

QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0

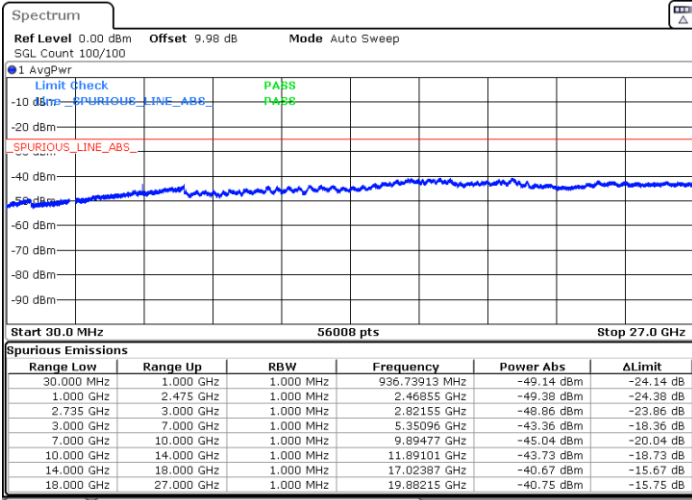


Date: 28.APR.2023 23:24:12

Date: 28.APR.2023 23:25:44

Highest Channel / 1RB49 and 1RB0

N/A



Date: 29.APR.2023 00:00:30

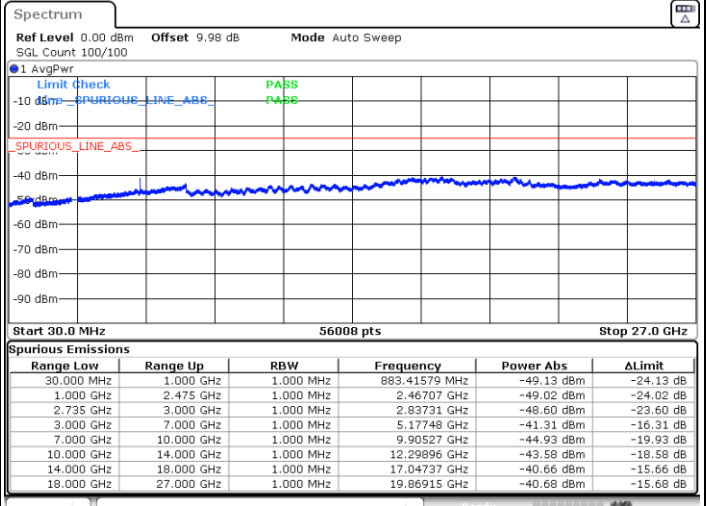
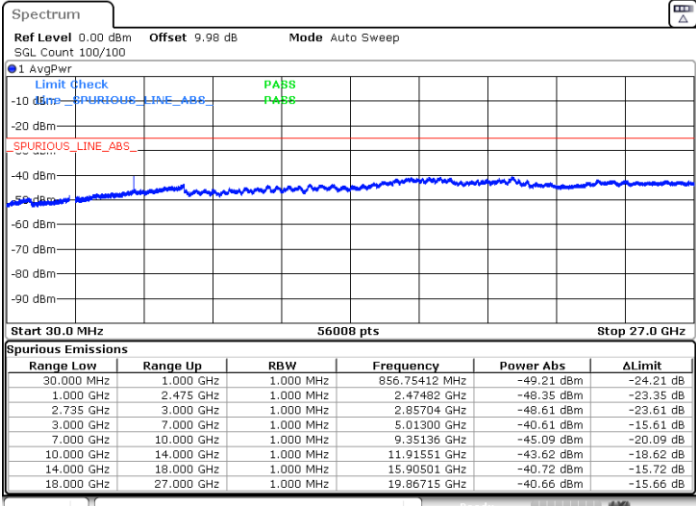


LTE Band 41C / 10MHz+20MHz

QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0

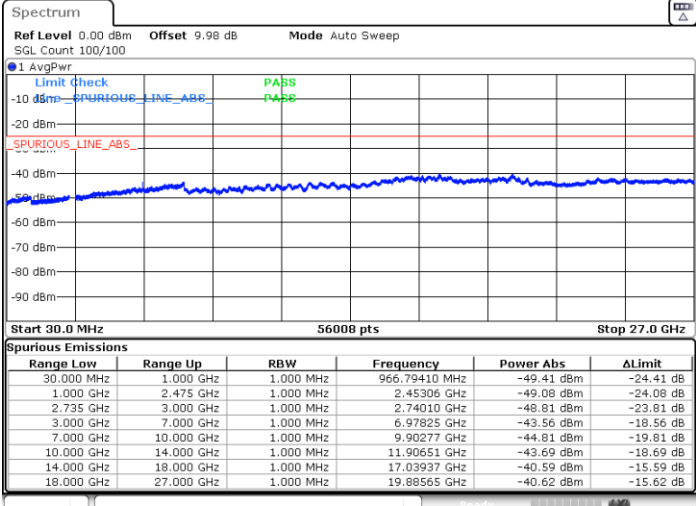


Date: 29.APR.2023 01:06:36

Date: 29.APR.2023 01:08:07

Highest Channel / 1RB49 and 1RB0

N/A



Date: 29.APR.2023 01:46:51

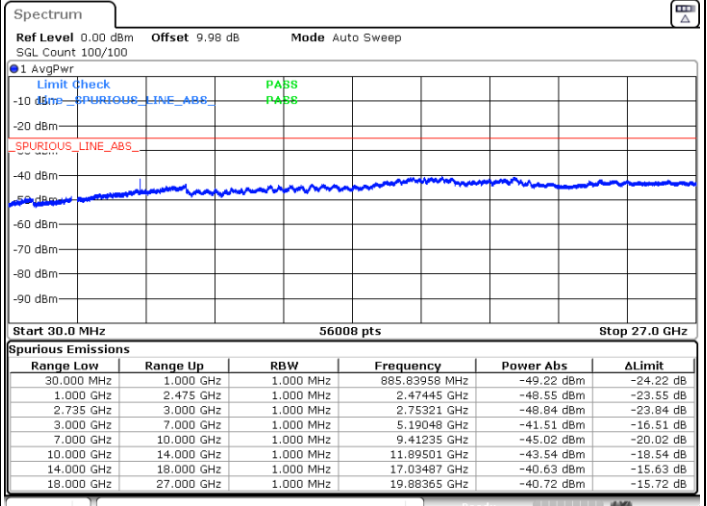
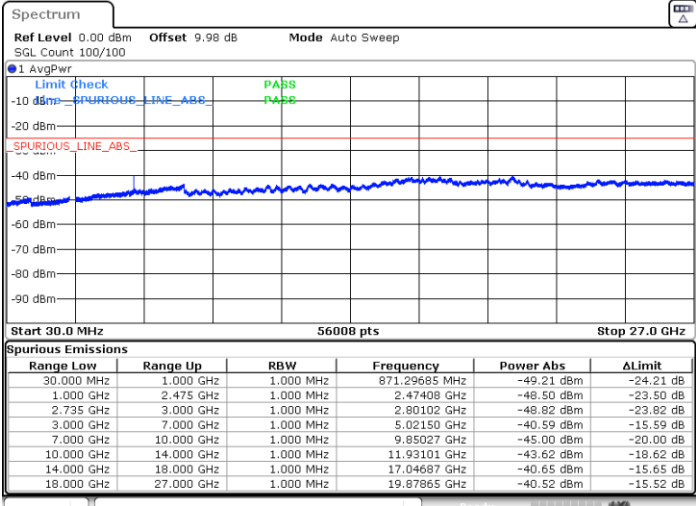


LTE Band 41C / 15MHz+10MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0

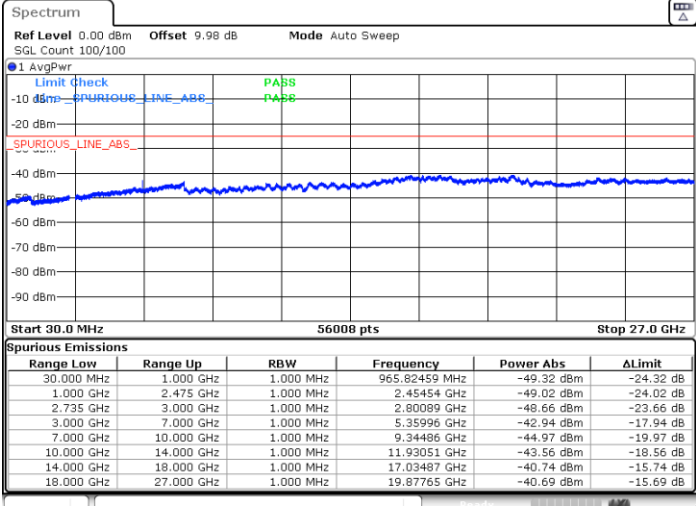


Date: 29.APR.2023 03:08:40

Date: 29.APR.2023 03:10:10

Highest Channel / 1RB74 and 1RB0

N/A



Date: 29.APR.2023 03:33:49

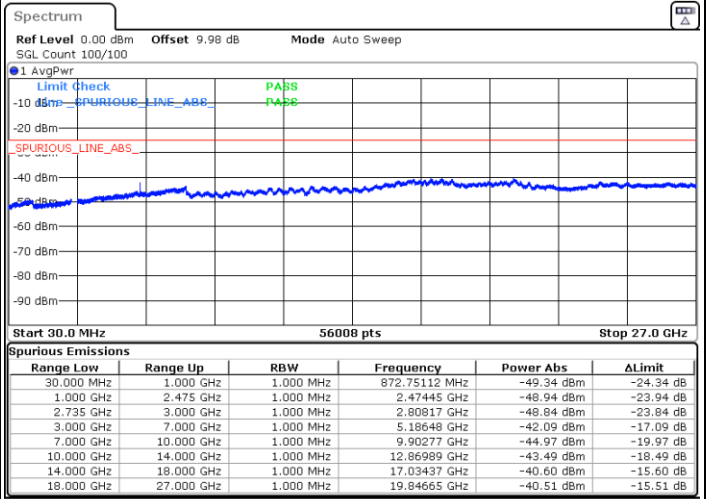
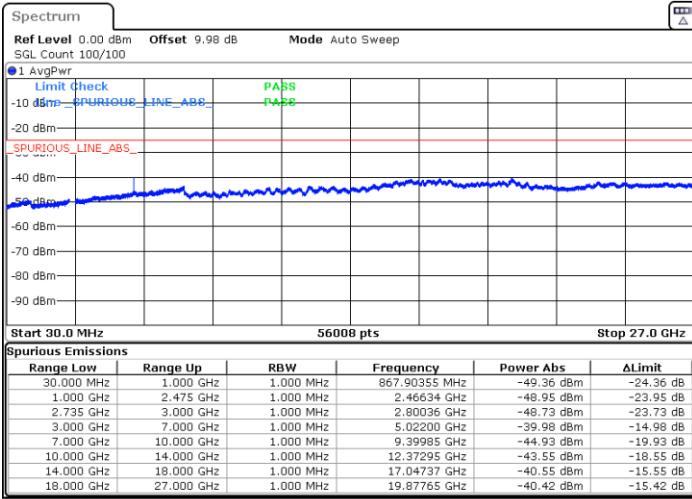


LTE Band 41C / 15MHz+15MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0

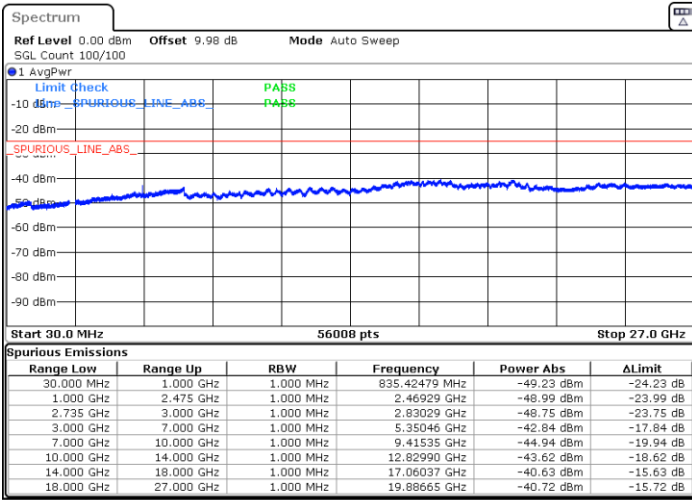


Date: 29.APR.2023 03:49:01

Date: 29.APR.2023 03:50:32

Highest Channel / 1RB74 and 1RB0

N/A



Date: 29.APR.2023 04:08:57

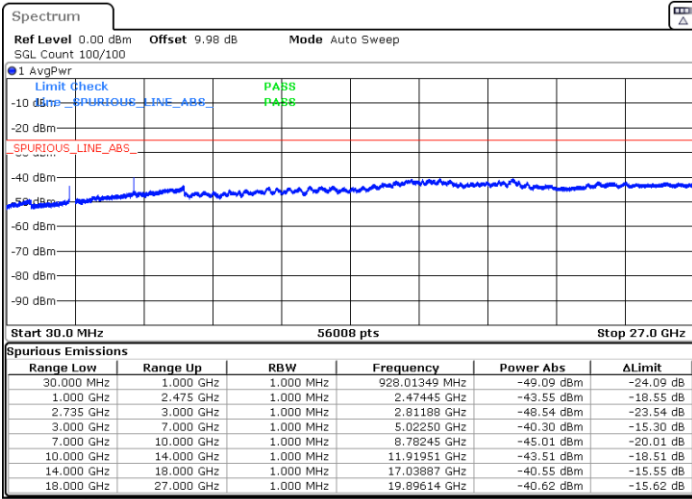


LTE Band 41C / 15MHz+20MHz

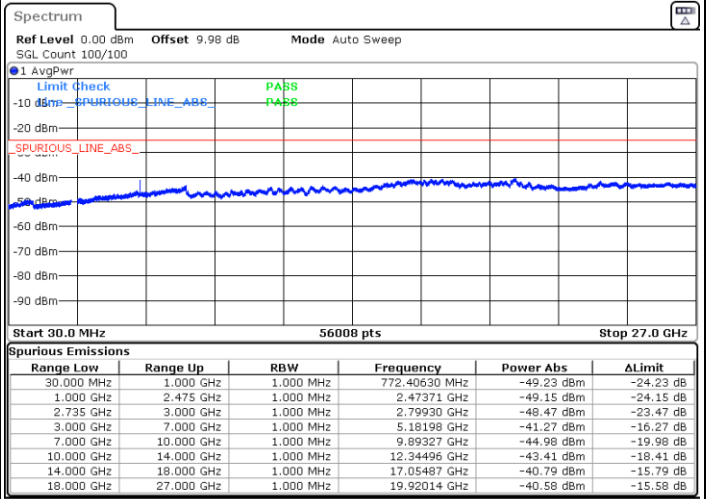
QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



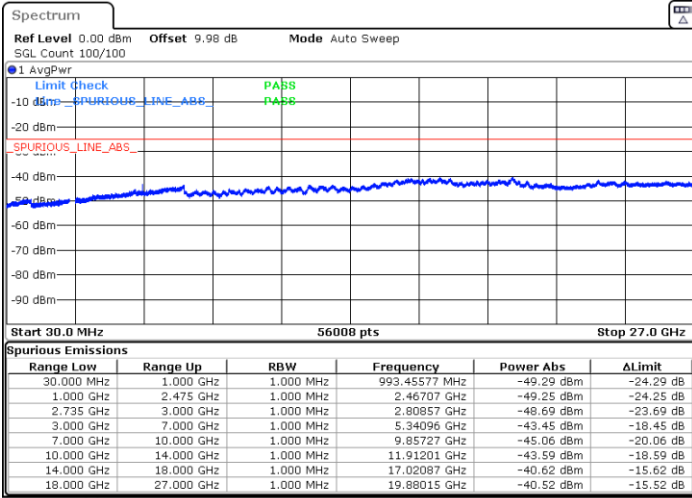
Date: 29.APR.2023 04:25:38



Date: 29.APR.2023 04:27:08

Highest Channel / 1RB74 and 1RB0

N/A



Date: 29.APR.2023 04:44:23



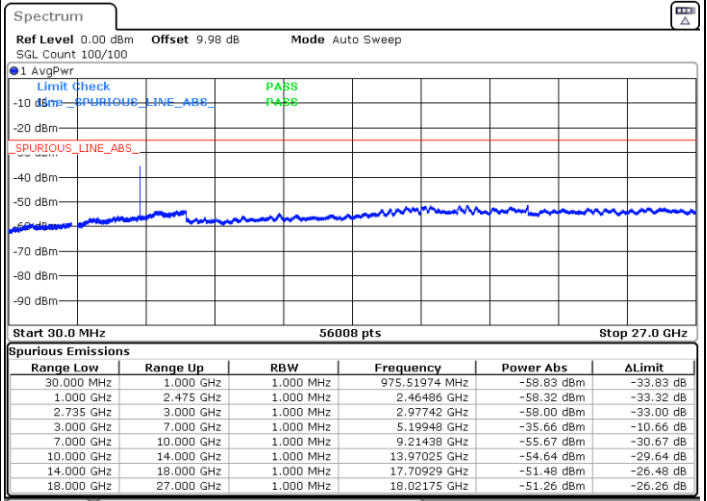
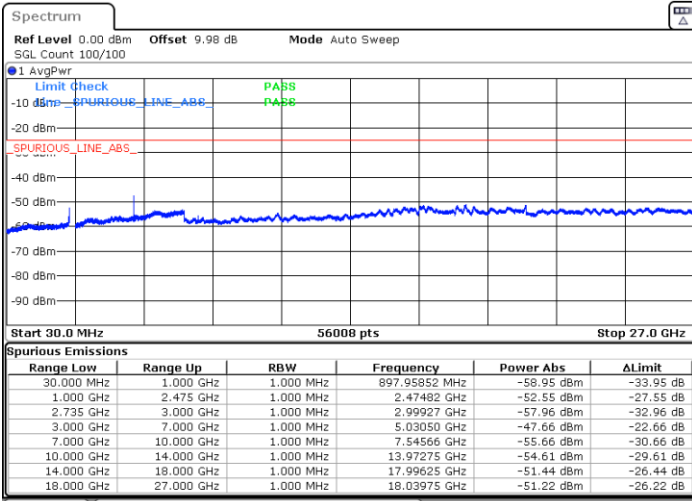


LTE Band 41C / 20MHz+5MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

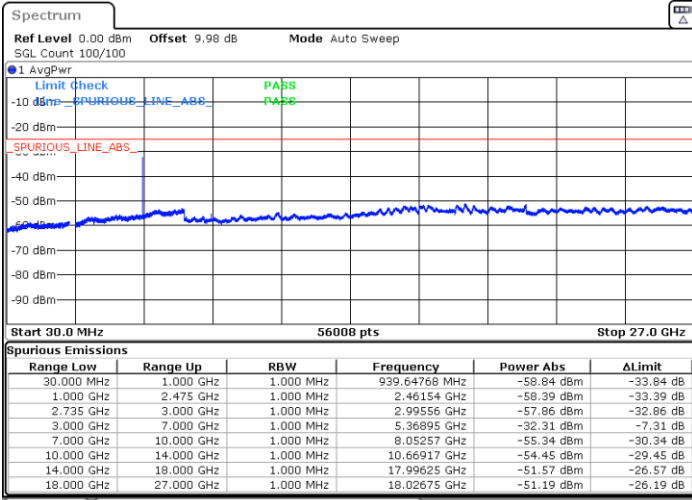


Date: 4.MAY.2023 21:18:20

Date: 4.MAY.2023 21:20:33

Highest Channel / 1RB99 and 1RB0

N/A



Date: 4.MAY.2023 22:04:46

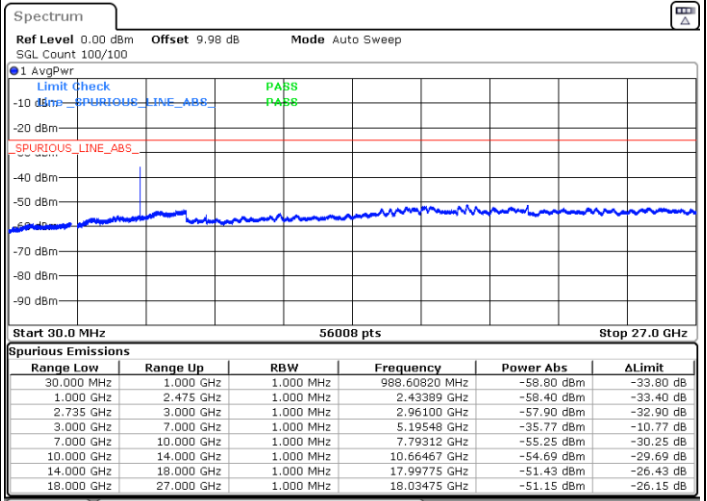
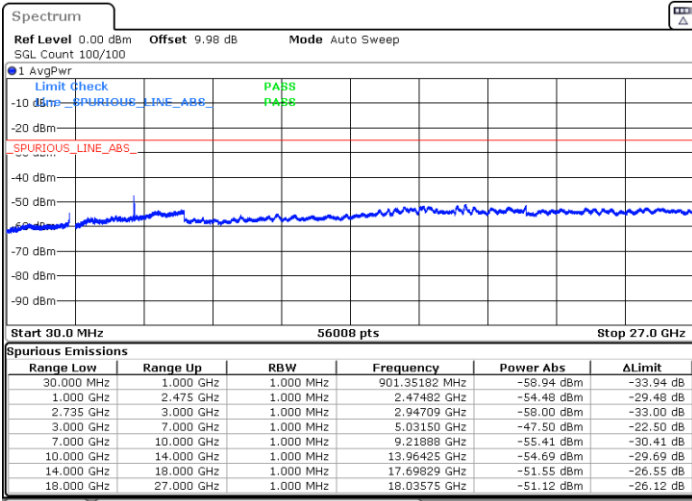


LTE Band 41C / 20MHz+10MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

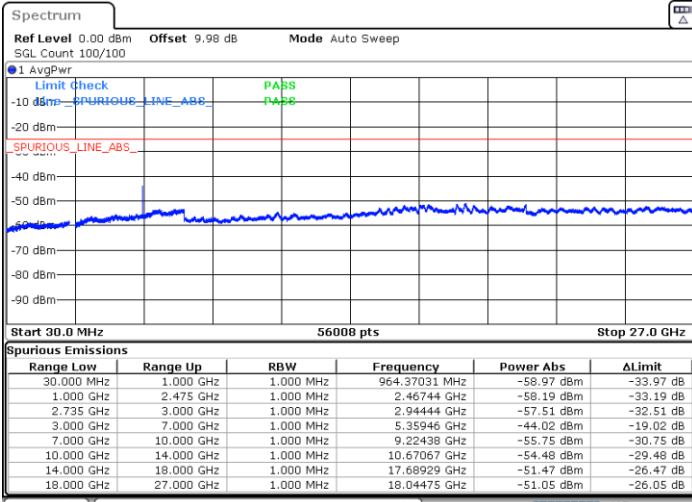


Date: 4.MAY.2023 22:56:29

Date: 4.MAY.2023 22:58:20

Highest Channel / 1RB99 and 1RB0

N/A



Date: 4.MAY.2023 23:31:11

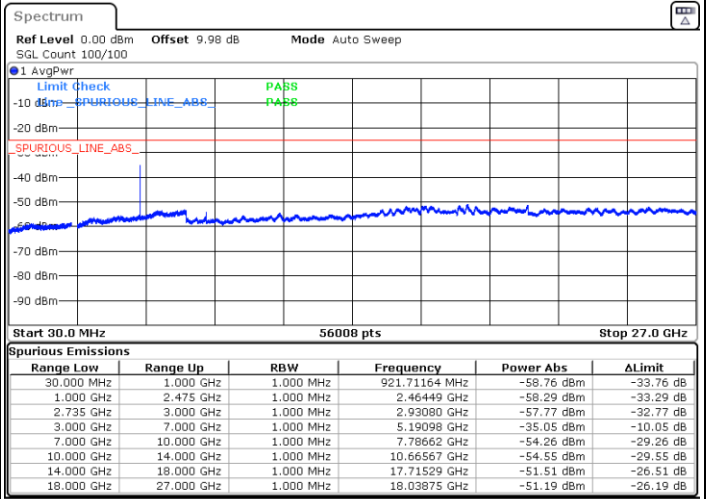
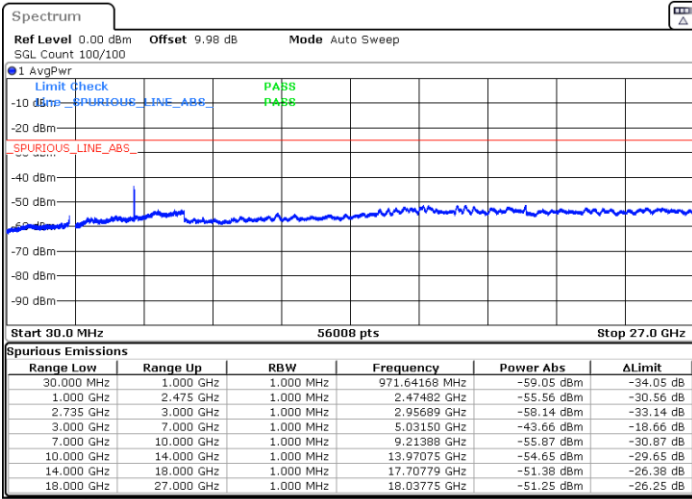


LTE Band 41C / 20MHz+15MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

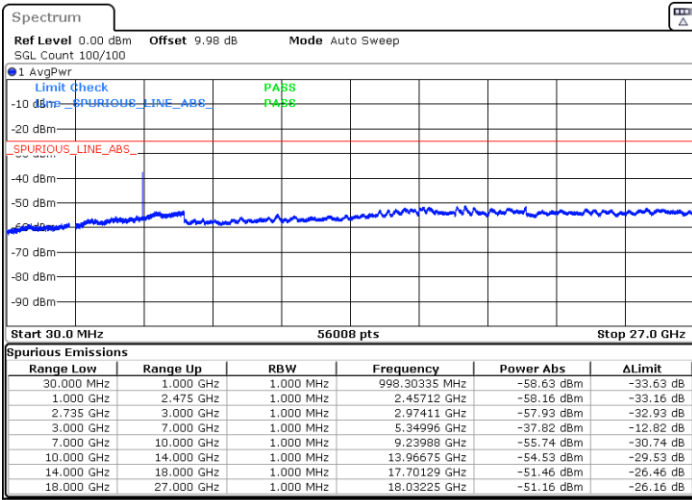


Date: 4.MAY.2023 23:43:49

Date: 4.MAY.2023 23:48:00

Highest Channel / 1RB99 and 1RB0

N/A



Date: 5.MAY.2023 00:02:29

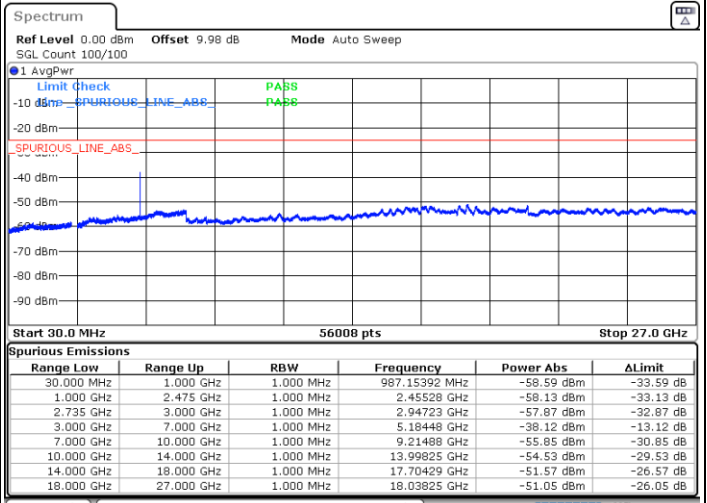
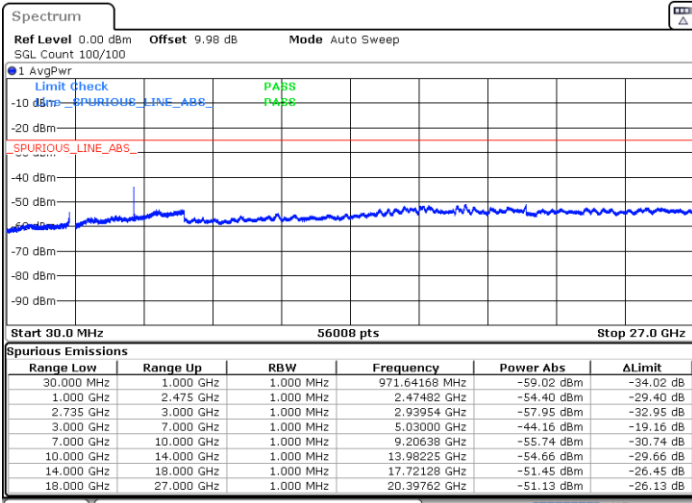


LTE Band 41C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

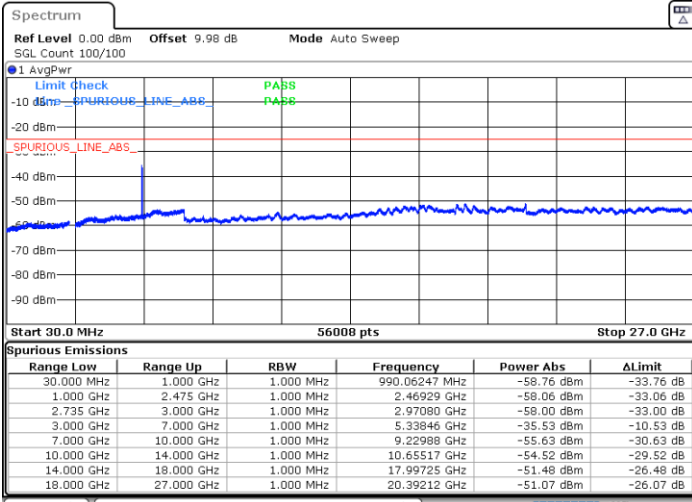


Date: 5.MAY.2023 00:11:42

Date: 5.MAY.2023 00:13:15

Highest Channel / 1RB99 and 1RB0

N/A



Date: 5.MAY.2023 00:22:23



A6.5 Frequency Stability

Test Conditions		LTE Band 41C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20 MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0117	
20	Minimum Voltage	0.0056	

Note:

1. Normal Voltage =54 V. ; Minimum Voltage = 48 V. ; Maximum Voltage =57 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 :	Carl Ni	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 7 / 20MHz / QPSK								
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	5052	-45.56	-13	-32.56	-55.77	3.03	13.24	H
	7580	-41.29	-13	-28.29	-50.74	3.56	13.01	H
	10100	-37.38	-13	-24.38	-46.90	3.92	13.44	H
	12630	-50.08	-13	-37.08	-60.45	4.77	15.14	H
	5052	-46.47	-13	-33.47	-56.68	3.03	13.24	V
	7580	-44.82	-13	-31.82	-54.27	3.56	13.01	V
	10100	-49.29	-13	-36.29	-58.81	3.92	13.44	V
	12630	-57.19	-13	-44.19	-67.56	4.77	15.14	V

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

LTE Band 12 / 10MHz / QPSK								
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1408	-37.36	-13	-24.36	-44.33	1.58	10.70	1408
	2112	-49.10	-13	-36.10	-57.35	2.102	12.50	2112
	2808	-58.63	-13	-45.63	-67.52	2.856	13.90	2808
	3512	-57.22	-13	-44.22	-64.81	3.406	13.15	3512
	1408	-43.52	-13	-30.52	-50.49	1.58	10.70	1408
	2112	-48.42	-13	-35.42	-56.67	2.10	12.50	2112
	2808	-58.77	-13	-45.77	-67.66	2.86	13.90	2808
	3512	-55.60	-13	-42.60	-63.19	3.41	13.15	3512

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



LTE Band 13 / 10MHz / QPSK								
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-46.34	-42.15	-4.19	-48.97	1.09	5.87	H
	2336	-49.33	-13	-36.33	-51.73	1.37	5.92	H
	3120	-31.95	-13	-18.95	-35.84	1.64	7.68	H
	3896	-30.45	-13	-17.45	-34.34	1.64	7.68	H
	1560	-50.50	-42.15	-8.35	-53.13	1.09	5.87	V
	2336	-51.66	-13	-38.66	-54.06	1.37	5.92	V
	3120	-35.97	-13	-22.97	-39.86	1.64	7.68	V
	3896	-32.92	-13	-19.92	-36.81	1.64	7.68	V

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

LTE Band 41 / 20MHz / QPSK								
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	5168	-35.62	-13	-22.62	-45.83	3.03	13.24	H
	7752	-31.72	-13	-18.72	-41.17	3.56	13.01	H
	10340	-55.68	-13	-42.68	-65.20	3.92	13.44	H
	12920	-45.90	-13	-32.90	-56.27	4.77	15.14	H
	5168	-43.53	-13	-30.53	-53.74	3.03	13.24	V
	7752	-37.13	-13	-24.13	-46.58	3.56	13.01	V
	10340	-60.07	-13	-47.07	-69.59	3.92	13.44	V
	12920	-55.61	-13	-42.61	-65.98	4.77	15.14	V

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



<PCC: 1RB0>

LTE Band 41C_CA / 20+20MHz / QPSK								
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	-42.14	-13	-29.14	-52.35	3.03	13.24	H
	7720	-51.01	-13	-38.01	-60.46	3.56	13.01	H
	10300	-60.81	-13	-47.81	-70.33	3.92	13.44	H
	5148	-55.35	-13	-42.35	-65.56	3.03	13.24	V
	7720	-53.08	-13	-40.08	-62.53	3.56	13.01	V
	10300	-62.26	-13	-49.26	-71.78	3.92	13.44	V

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

<SCC: 1RB MAX>

LTE Band 41C_CA / 20+20MHz / QPSK								
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	5184	-62.66	-13	-49.66	-72.87	3.03	13.24	H
	7776	-62.20	-13	-49.20	-71.65	3.56	13.01	H
	10370	-62.07	-13	-49.07	-71.59	3.92	13.44	H
	5184	-62.55	-13	-49.55	-72.76	3.03	13.24	V
	7776	-62.19	-13	-49.19	-71.64	3.56	13.01	V
	10370	-62.65	-13	-49.65	-72.17	3.92	13.44	V

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