

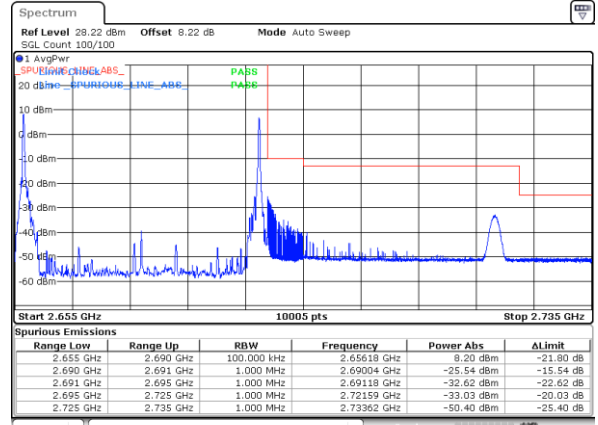
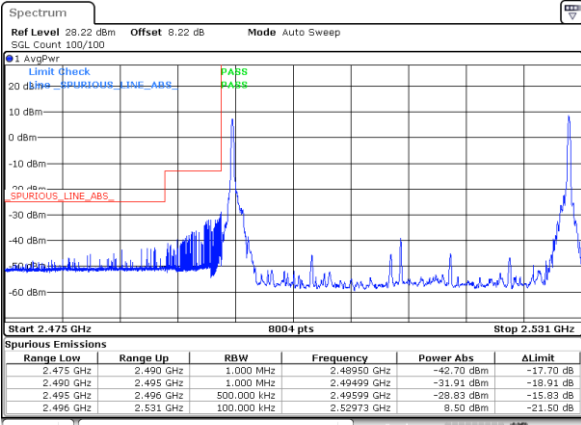


LTE Band 41C / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

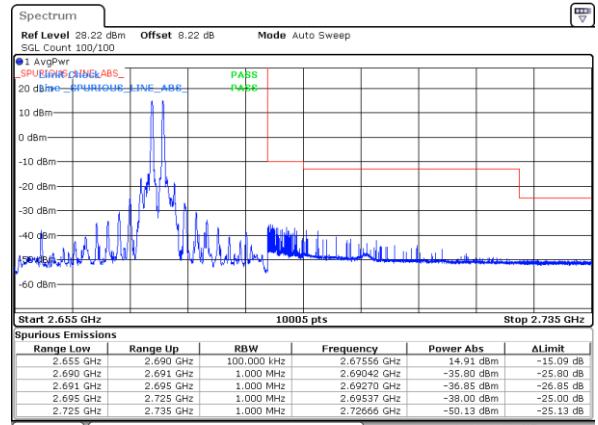
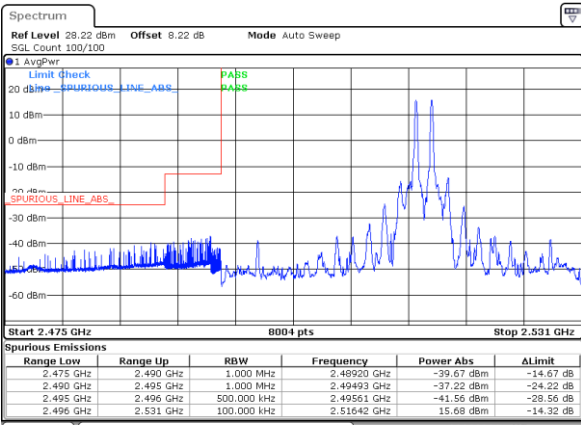


Date: 26 JUN 2023 10:28:36

Date: 26 JUN 2023 10:52:50

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

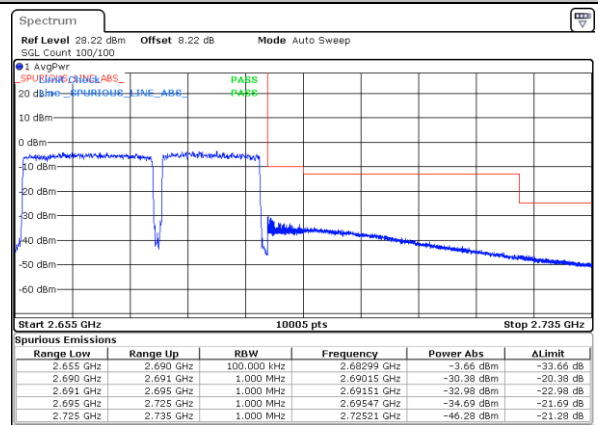
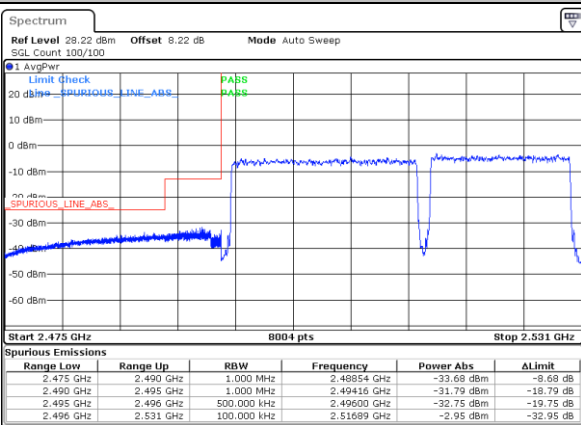


Date: 26 JUN 2023 10:25:49

Date: 26 JUN 2023 10:50:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN 2023 10:31:24

Date: 26 JUN 2023 10:55:34

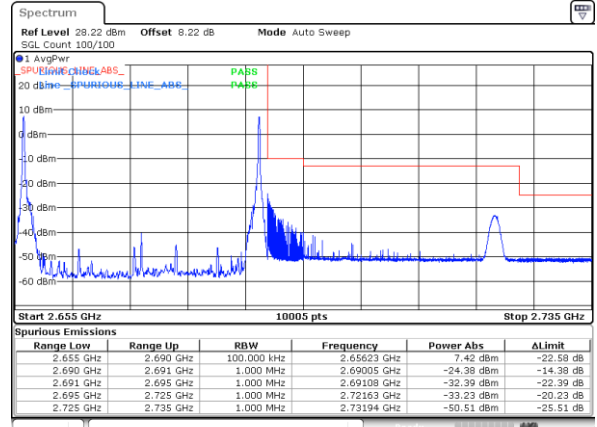
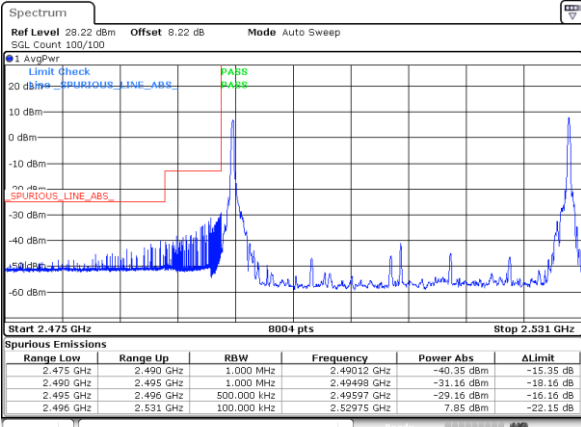


LTE Band 41C / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

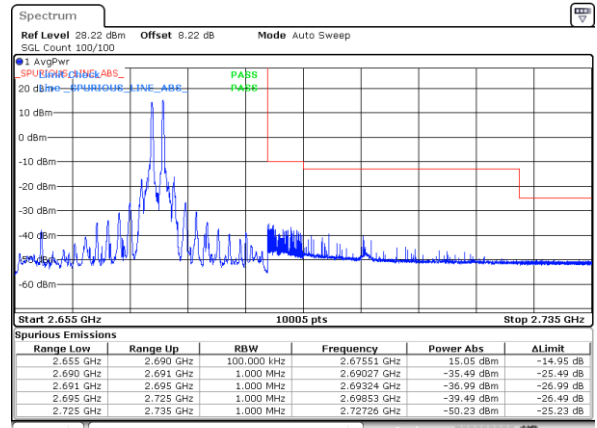
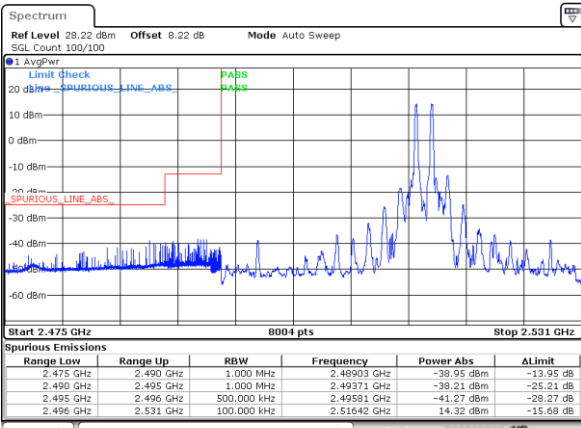


Date: 26 JUN 2023 10:29:32

Date: 26 JUN 2023 10:53:45

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

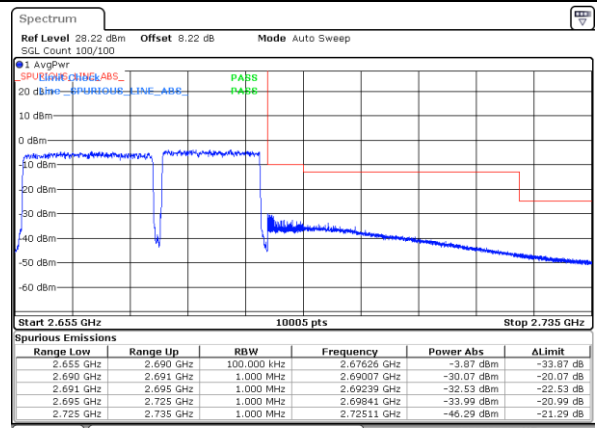
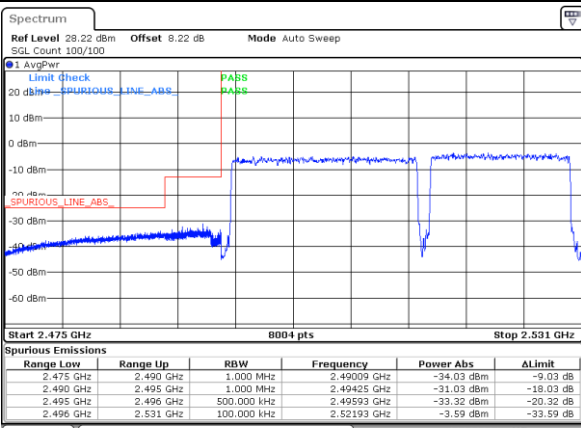


Date: 26 JUN 2023 10:26:45

Date: 26 JUN 2023 10:51:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN 2023 10:32:20

Date: 26 JUN 2023 10:56:29

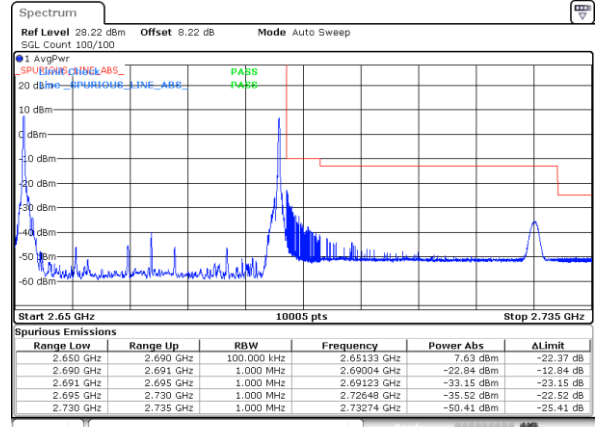
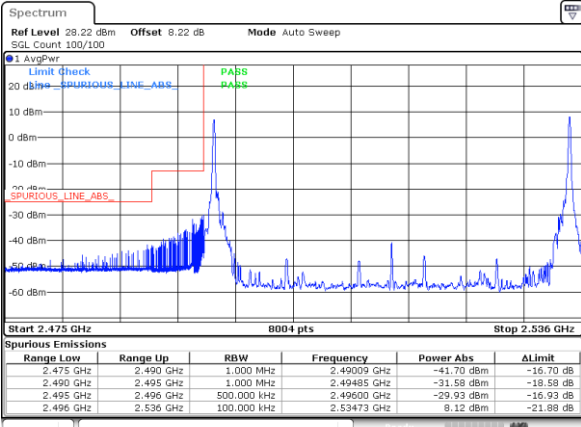


LTE Band 41C / 20MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

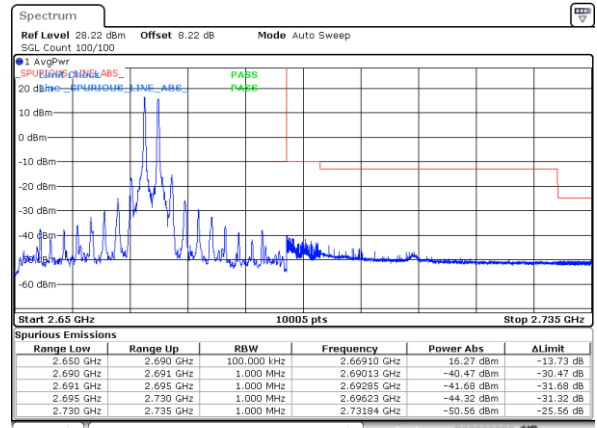
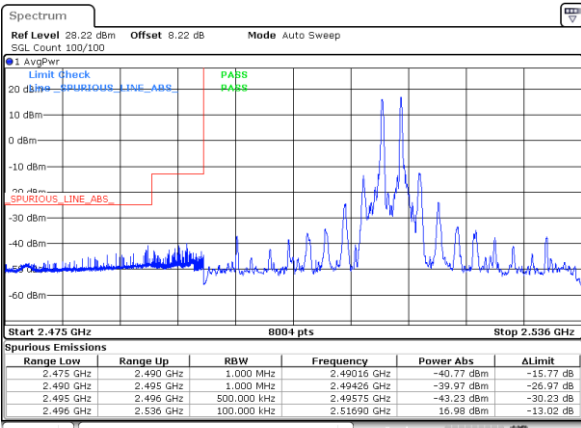


Date: 26 JUN 2023 11:02:26

Date: 26 JUN 2023 11:16:28

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

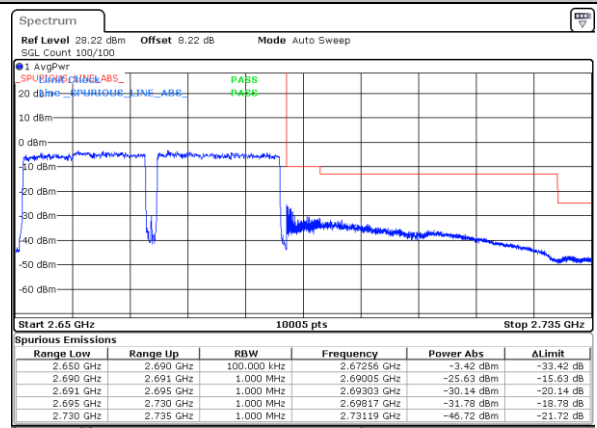
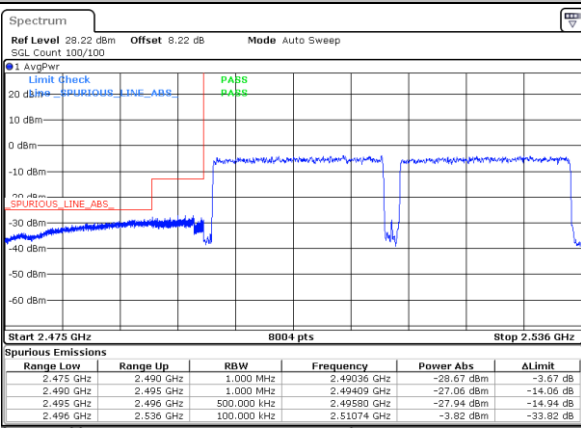


Date: 26 JUN 2023 10:59:38

Date: 26 JUN 2023 11:16:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 JUN 2023 11:05:14

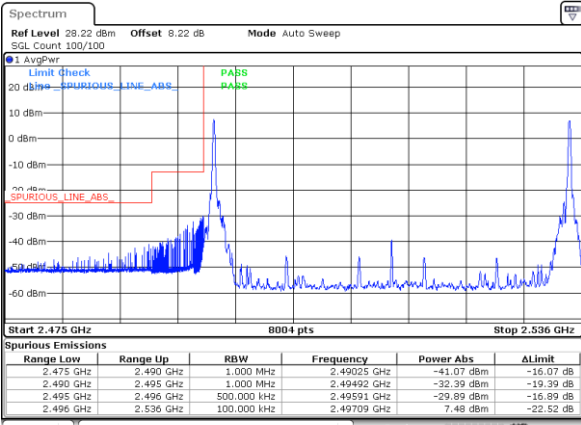
Date: 26 JUN 2023 11:19:12



LTE Band 41C / 20MHz+20MHz

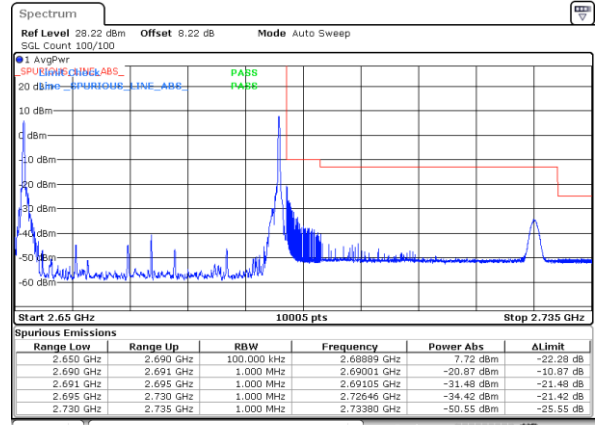
16QAM

Lowest Band Edge / 1RB0 and 1RB9



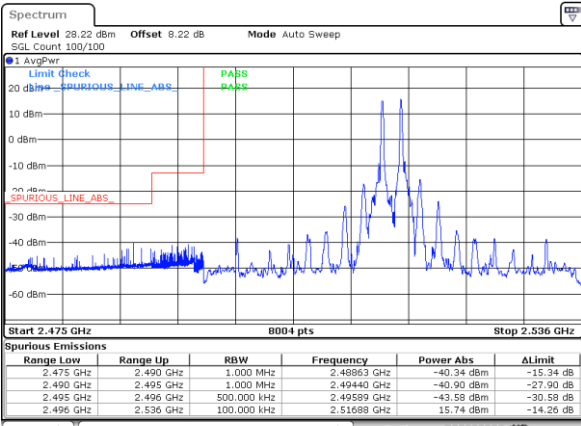
Date: 26 JUN 2023 11:03:22

Highest Band Edge / 1RB0 and 1RB9



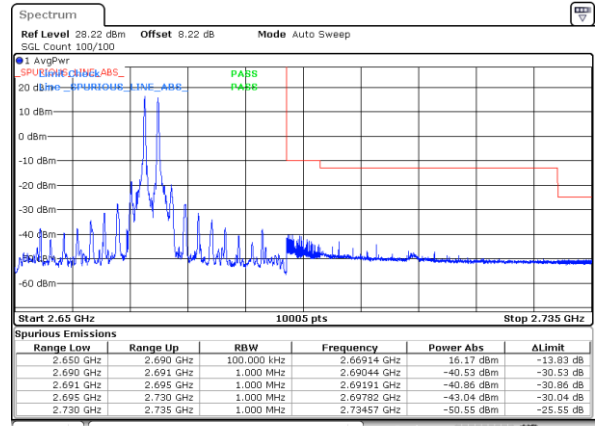
Date: 26 JUN 2023 11:17:23

Lowest Band Edge / 1RB99 and 1RB0



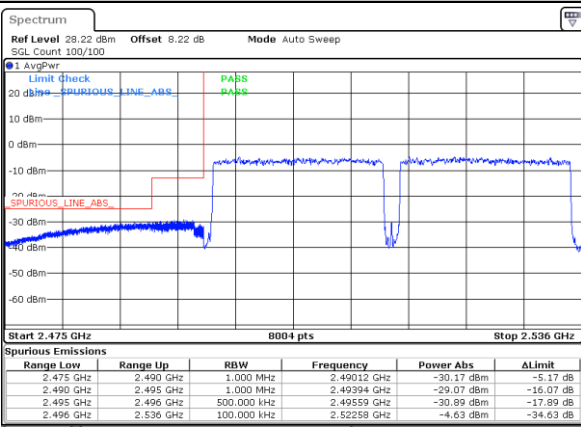
Date: 26 JUN 2023 11:00:34

Highest Band Edge / 1RB99 and 1RB0



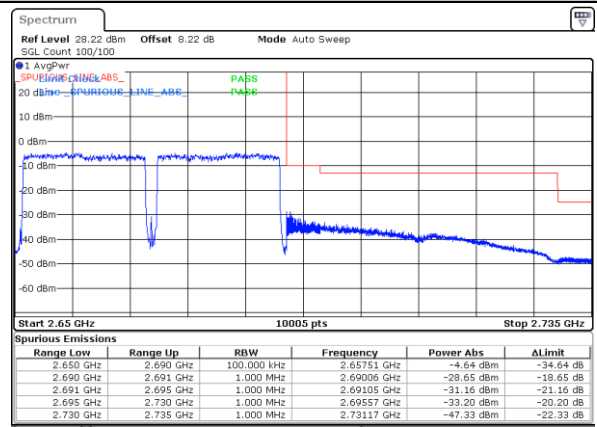
Date: 26 JUN 2023 11:14:40

Lowest Band Edge / Full RB



Date: 26 JUN 2023 11:06:10

Highest Band Edge / Full RB



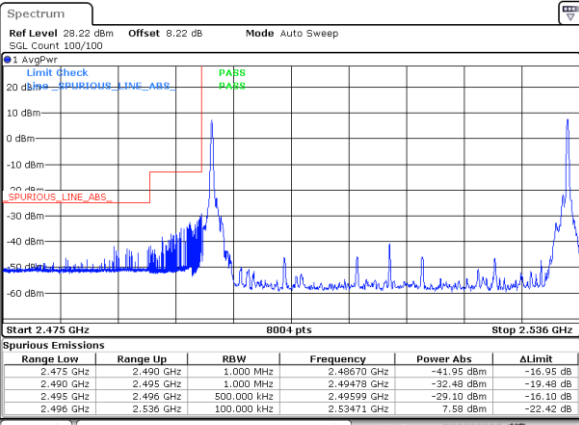
Date: 26 JUN 2023 11:20:06



LTE Band 41C / 20MHz+20MHz

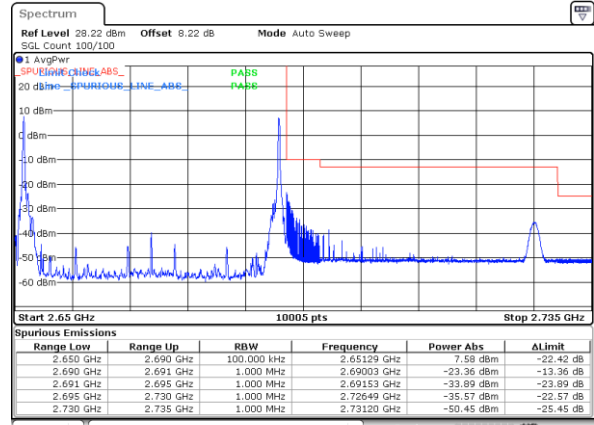
64QAM

Lowest Band Edge / 1RB0 and 1RB9



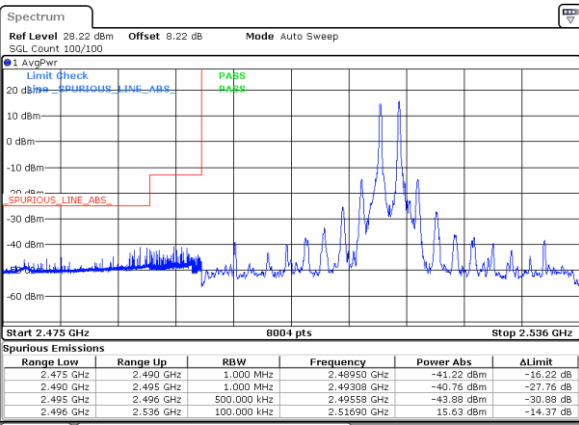
Date: 26 JUN 2023 11:04:18

Highest Band Edge / 1RB0 and 1RB9



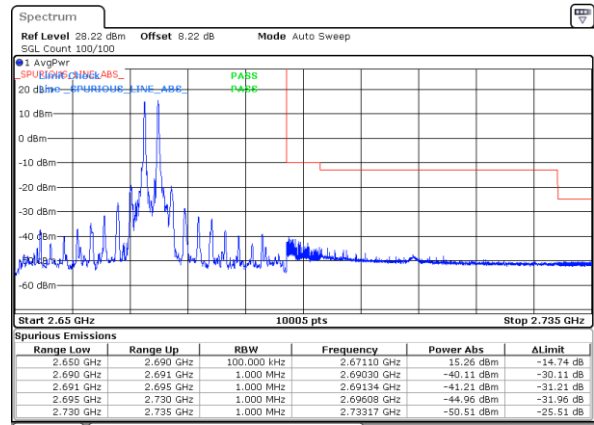
Date: 26 JUN 2023 11:18:17

Lowest Band Edge / 1RB99 and 1RB0



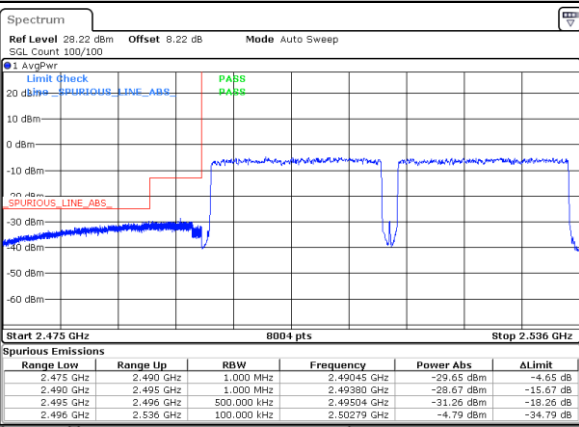
Date: 26 JUN 2023 11:01:30

Highest Band Edge / 1RB99 and 1RB0



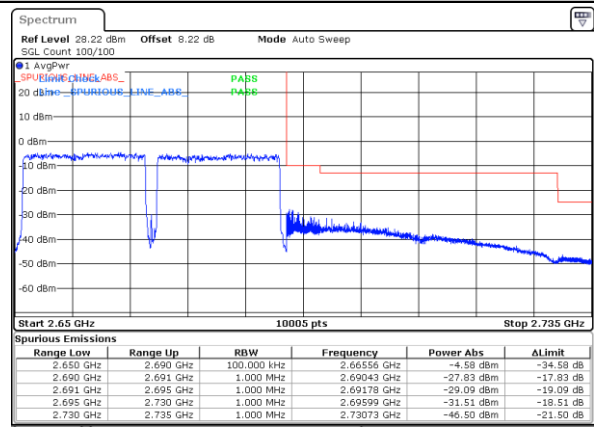
Date: 26 JUN 2023 11:15:34

Lowest Band Edge / Full RB



Date: 26 JUN 2023 11:07:06

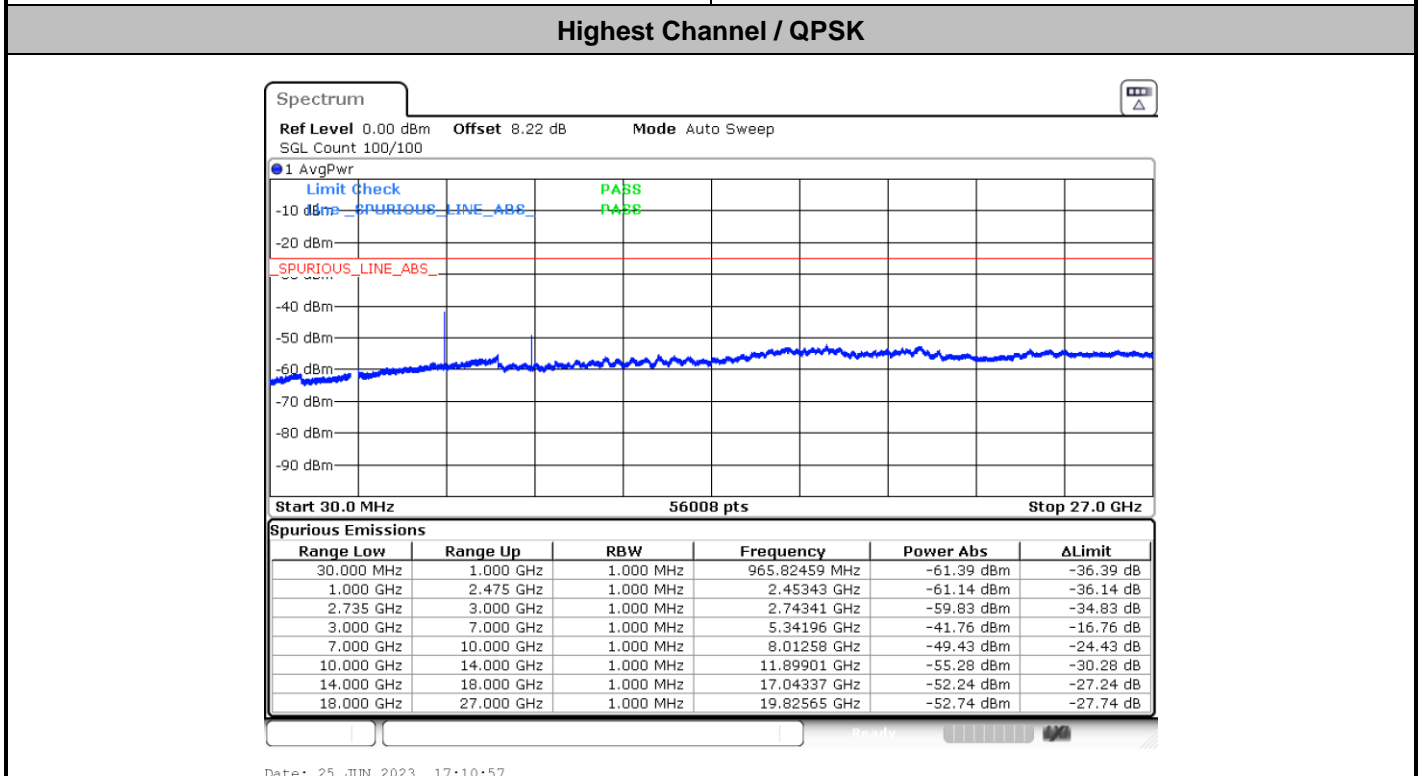
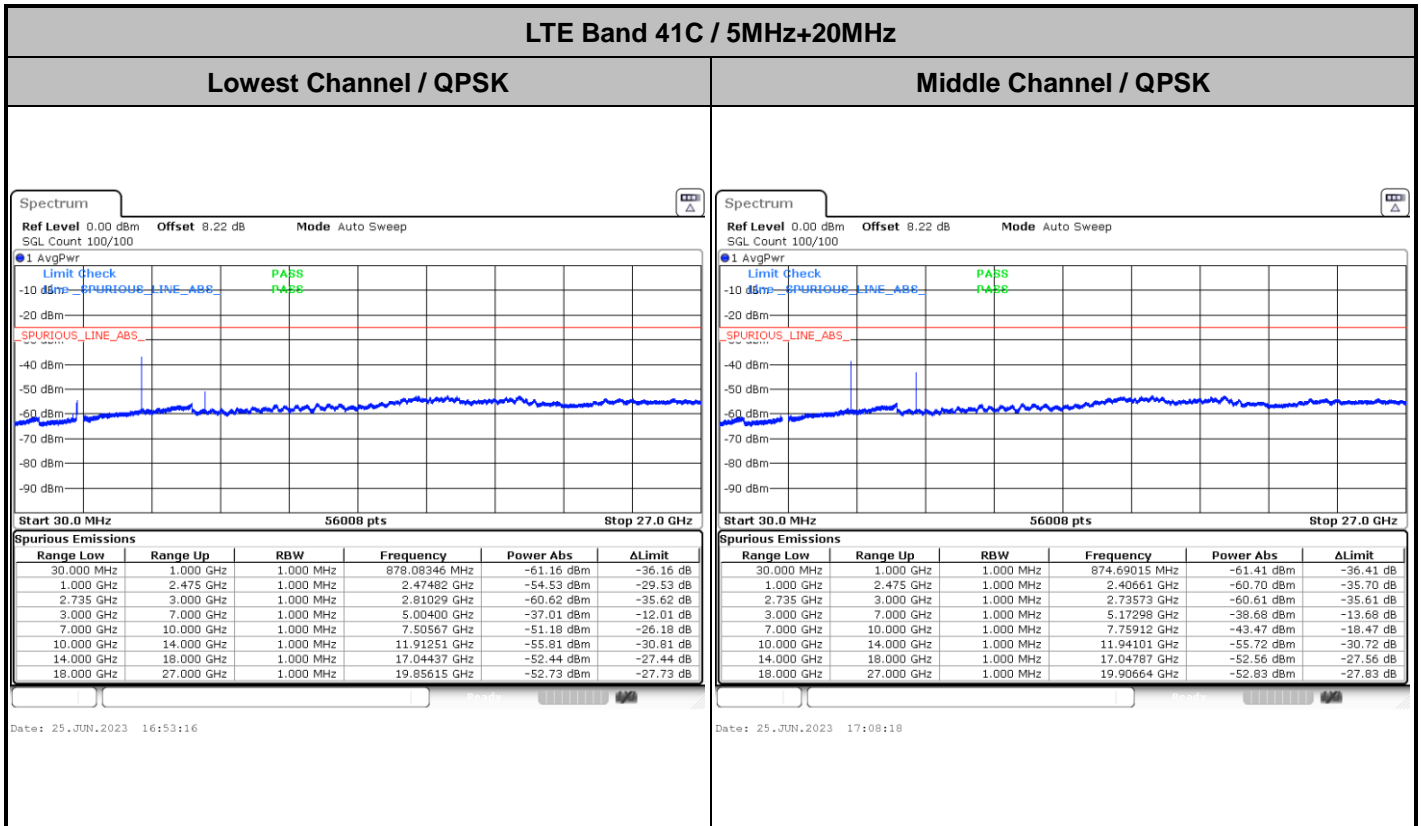
Highest Band Edge / Full RB



Date: 26 JUN 2023 11:21:01



# Conducted Spurious Emission

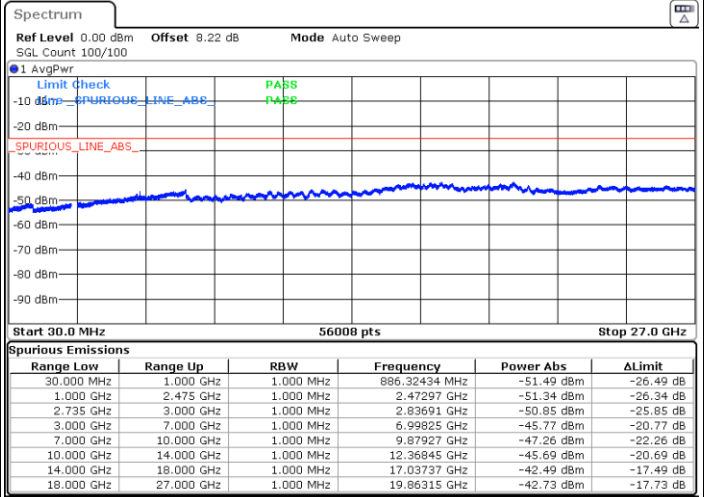
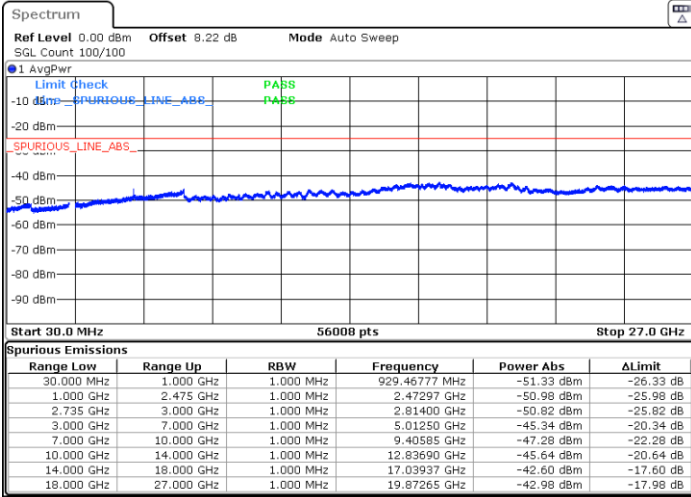




LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

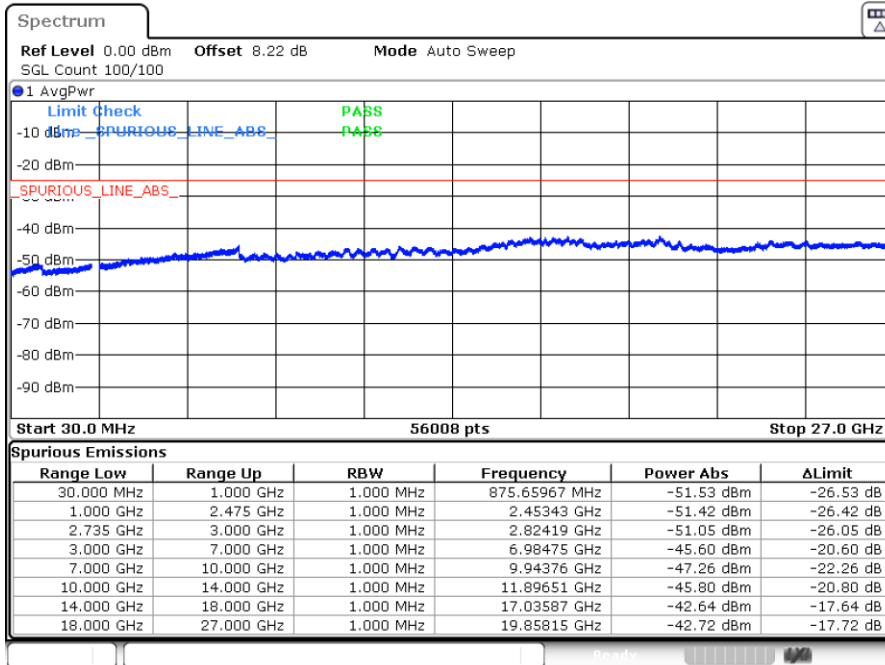
Middle Channel / QPSK



Date: 25 JUN.2023 17:21:13

Date: 25 JUN.2023 17:34:51

Highest Channel / QPSK



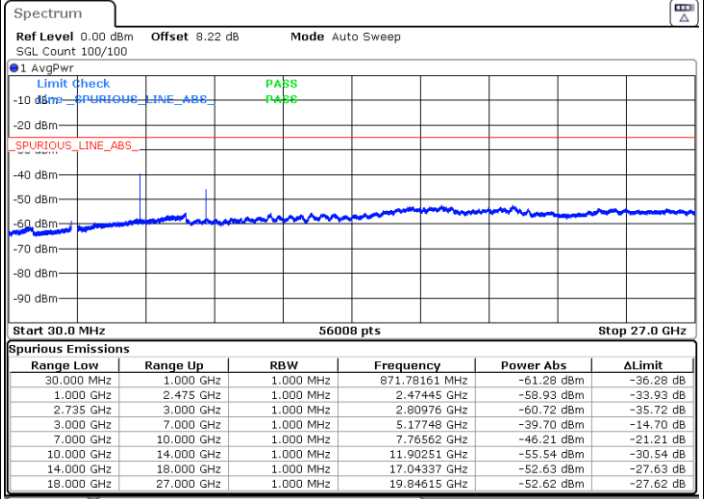
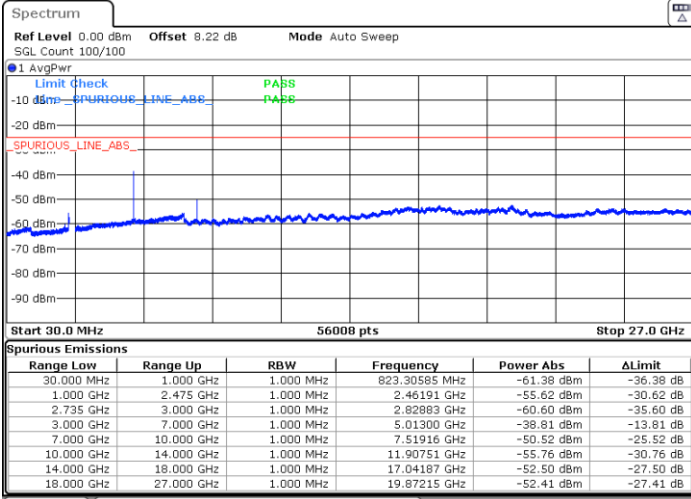
Date: 25 JUN.2023 18:08:37



LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

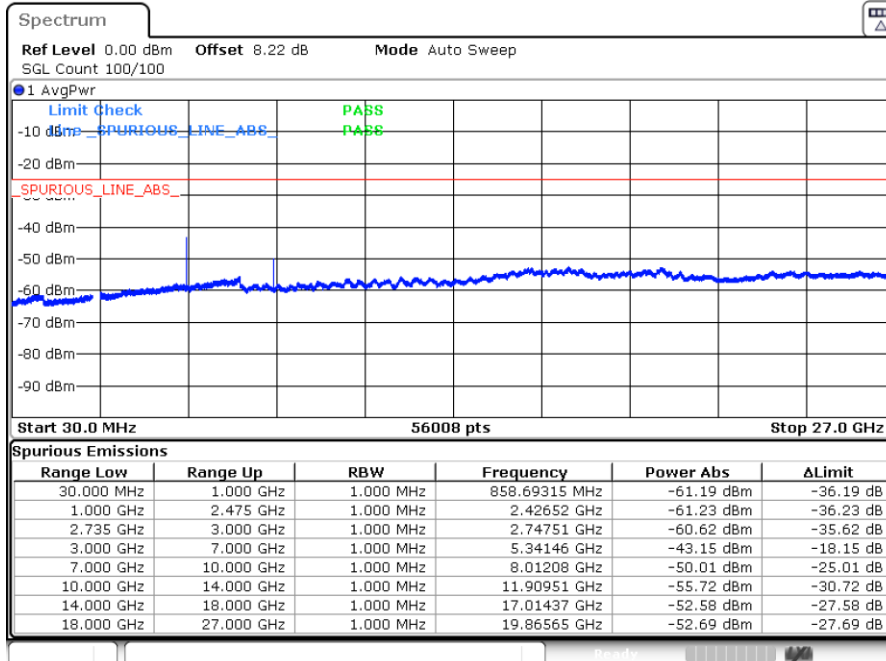
Middle Channel / QPSK



Date: 25 JUN 2023 18:21:08

Date: 25 JUN 2023 18:34:30

Highest Channel / QPSK



Date: 25 JUN 2023 18:37:17

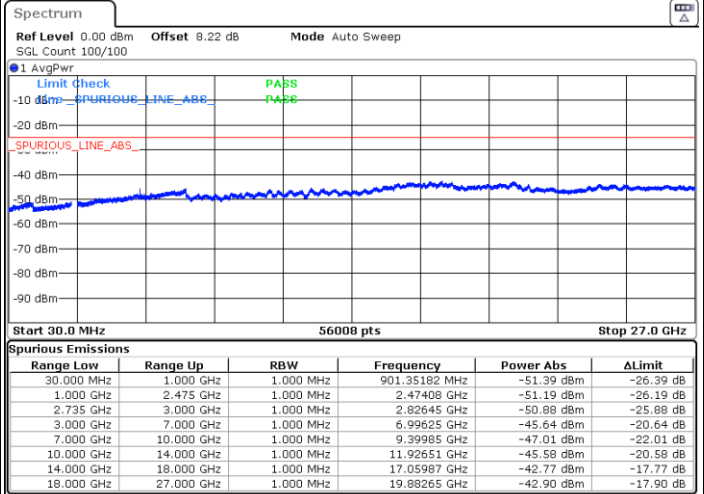
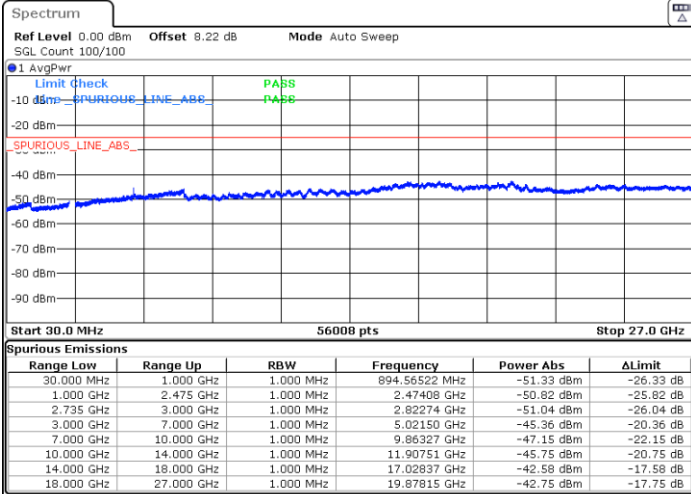




LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

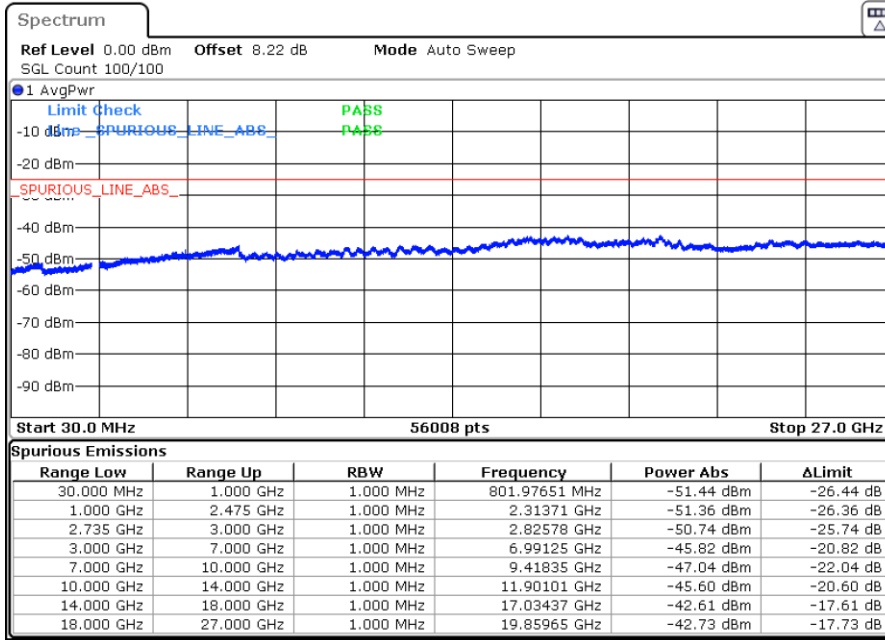
Middle Channel / QPSK



Date: 25 JUN 2023 18:47:30

Date: 25 JUN 2023 18:59:06

Highest Channel / QPSK



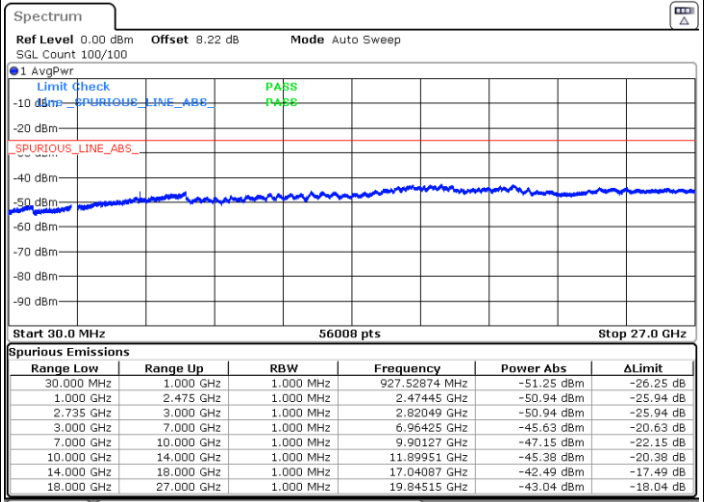
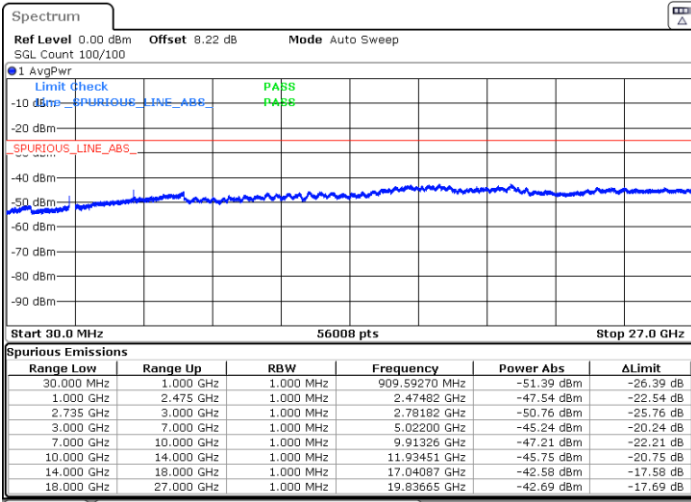
Date: 25 JUN 2023 19:01:43



LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

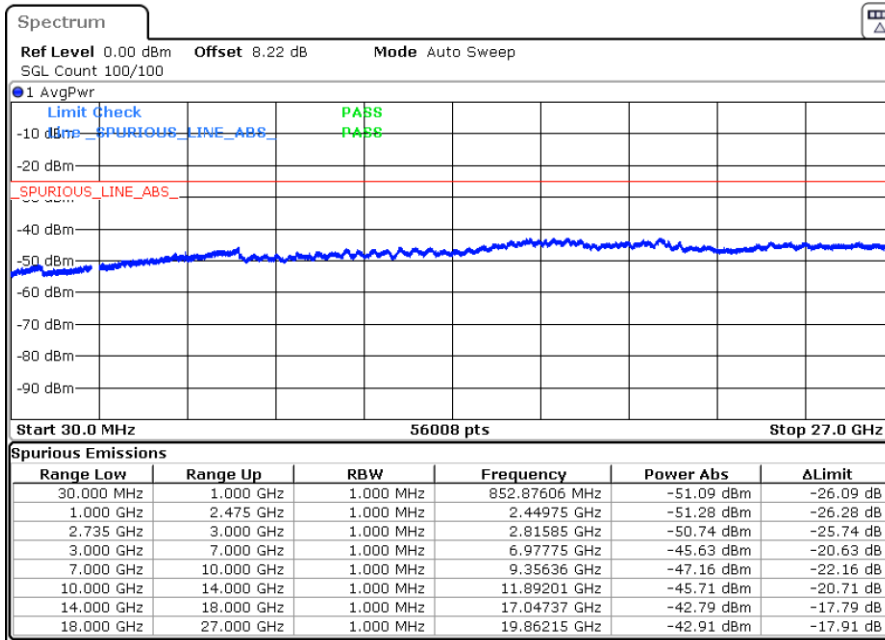
Middle Channel / QPSK



Date: 25 JUN 2023 19:11:55

Date: 25 JUN 2023 19:22:50

Highest Channel / QPSK



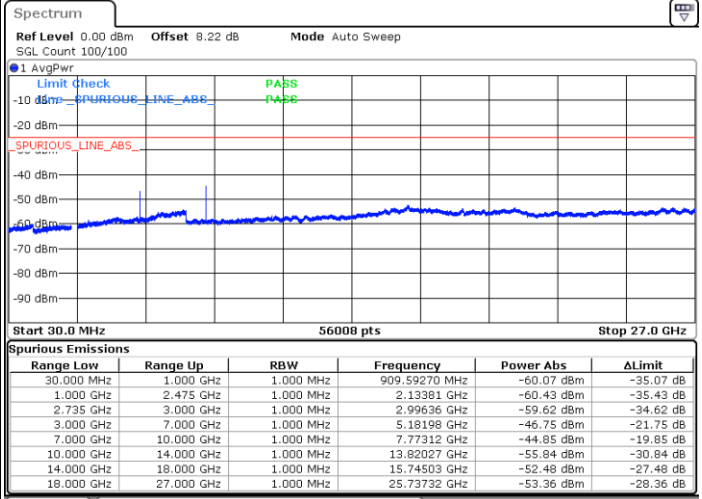
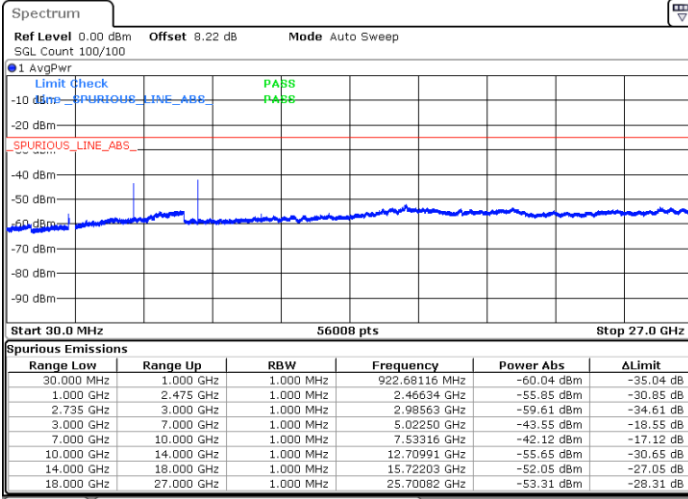
Date: 25 JUN 2023 19:26:52



LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

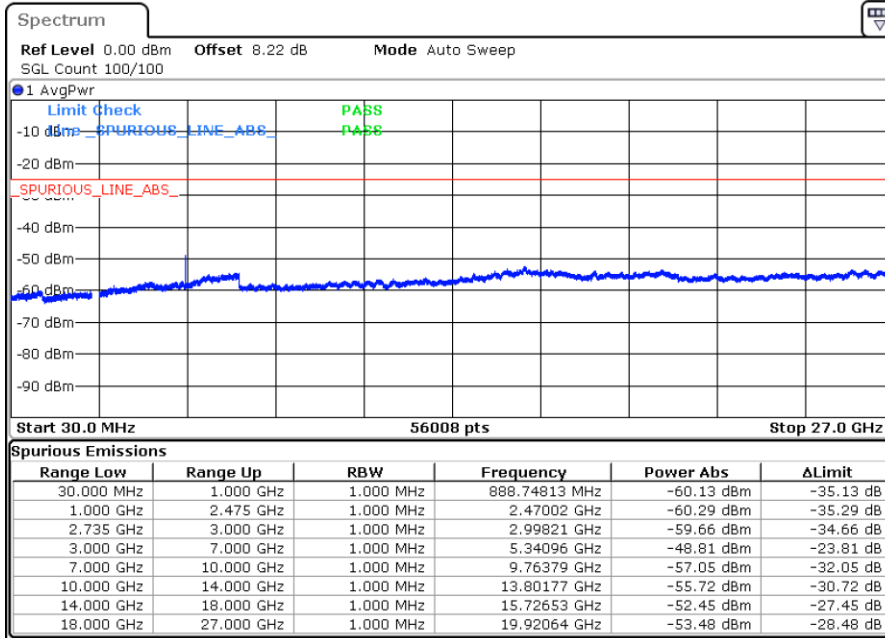
Middle Channel / QPSK



Date: 26 JUN 2023 08:51:50

Date: 26 JUN 2023 09:10:29

Highest Channel / QPSK



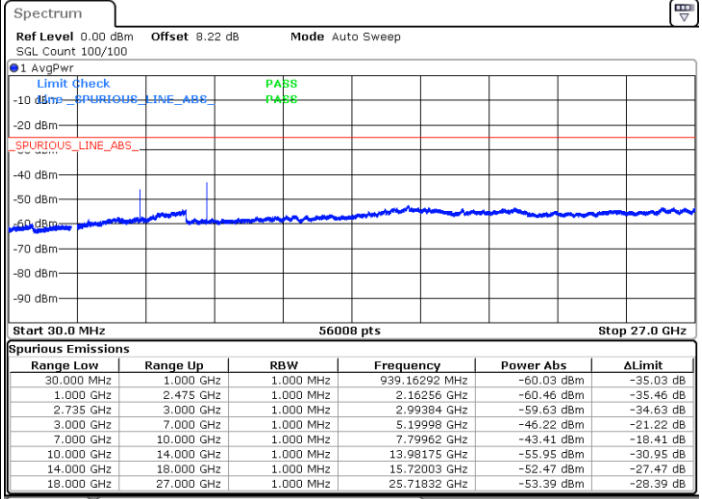
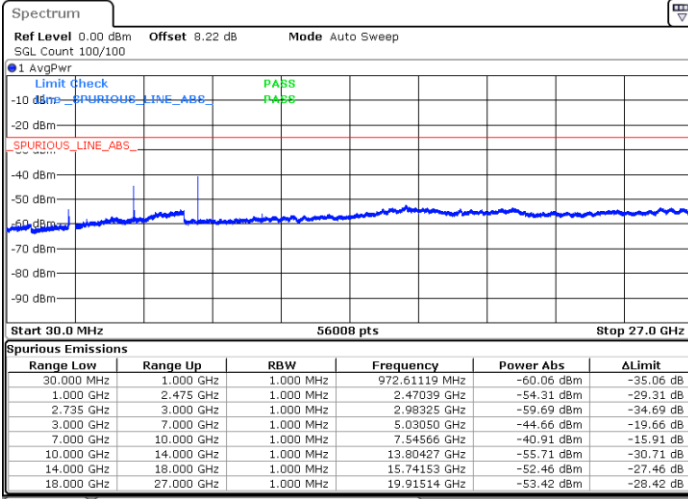
Date: 26 JUN 2023 09:24:10



LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

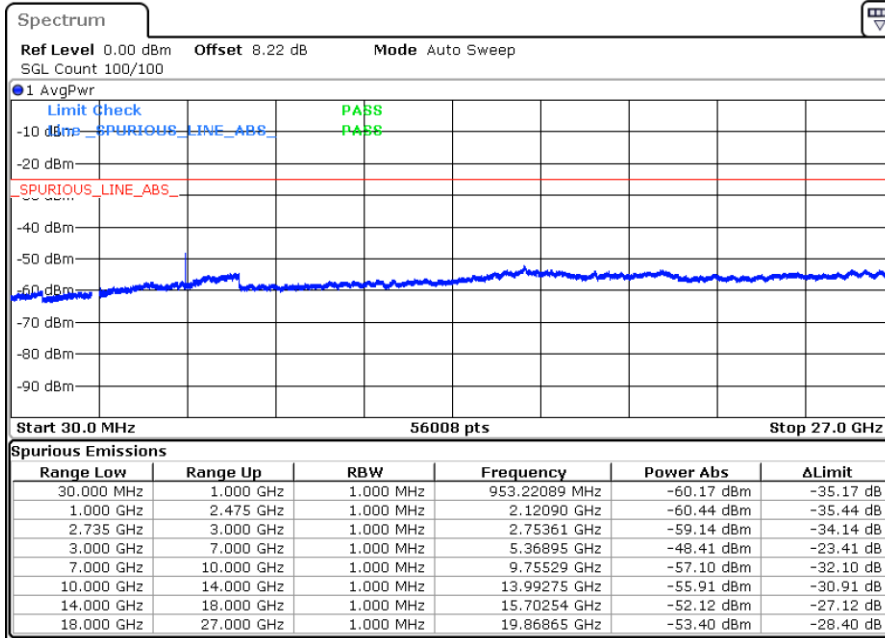
Middle Channel / QPSK



Date: 26 JUN 2023 09:34:37

Date: 26 JUN 2023 09:45:42

Highest Channel / QPSK



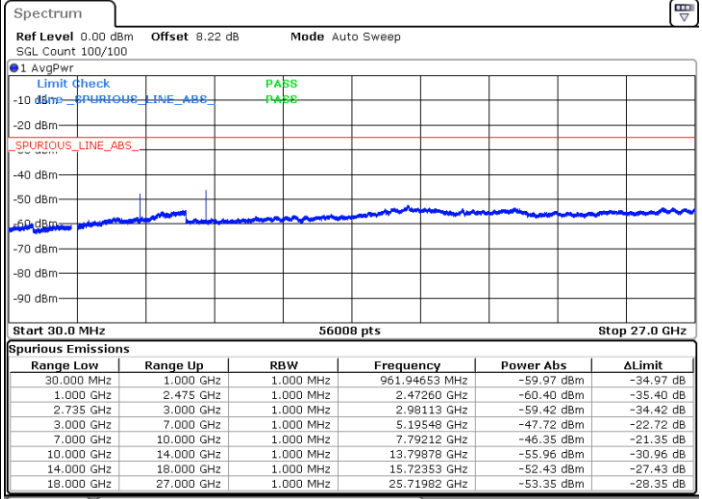
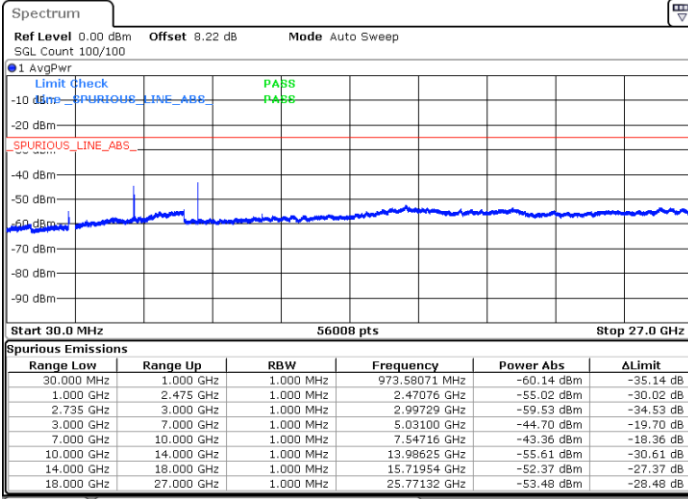
Date: 26 JUN 2023 09:50:04



LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

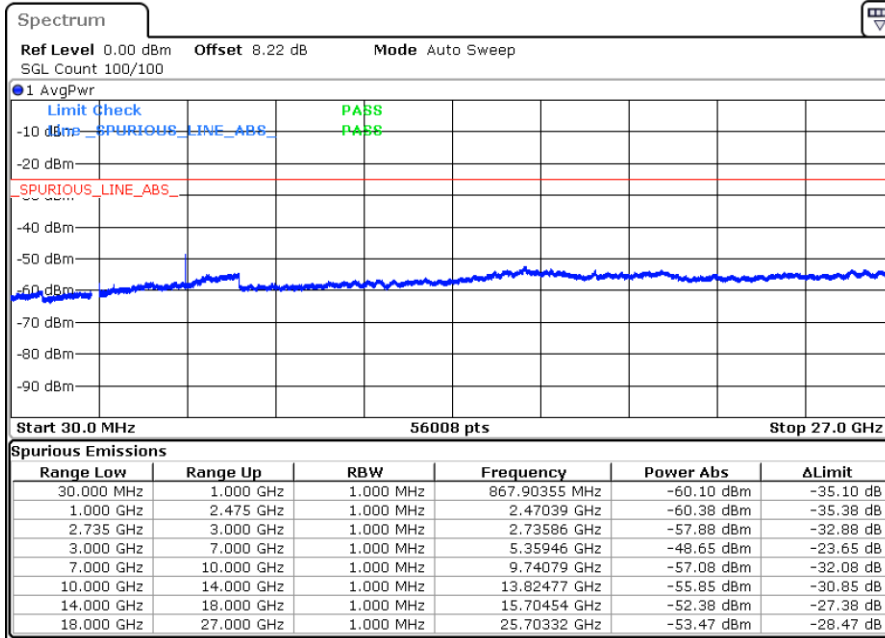
Middle Channel / QPSK



Date: 26 JUN 2023 10:00:28

Date: 26 JUN 2023 10:11:03

Highest Channel / QPSK



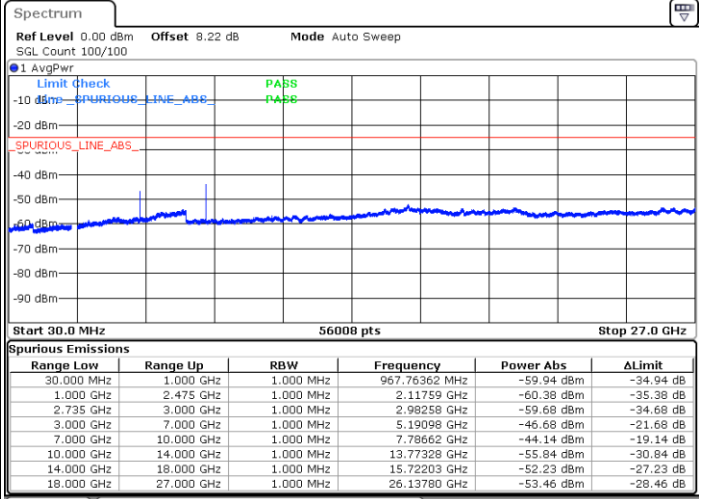
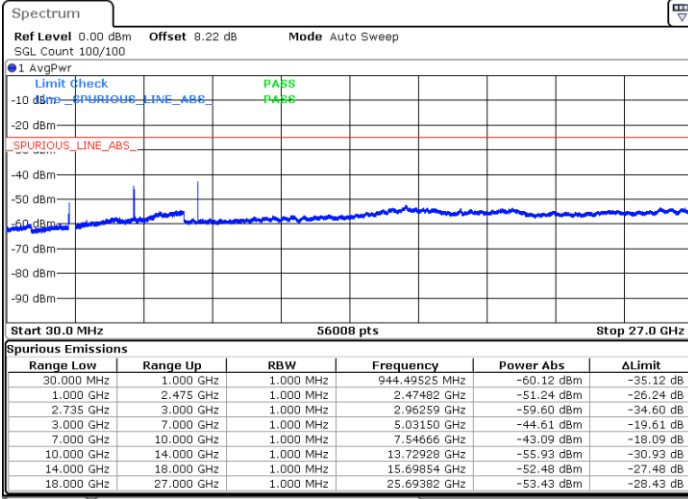
Date: 26 JUN 2023 10:13:34



LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

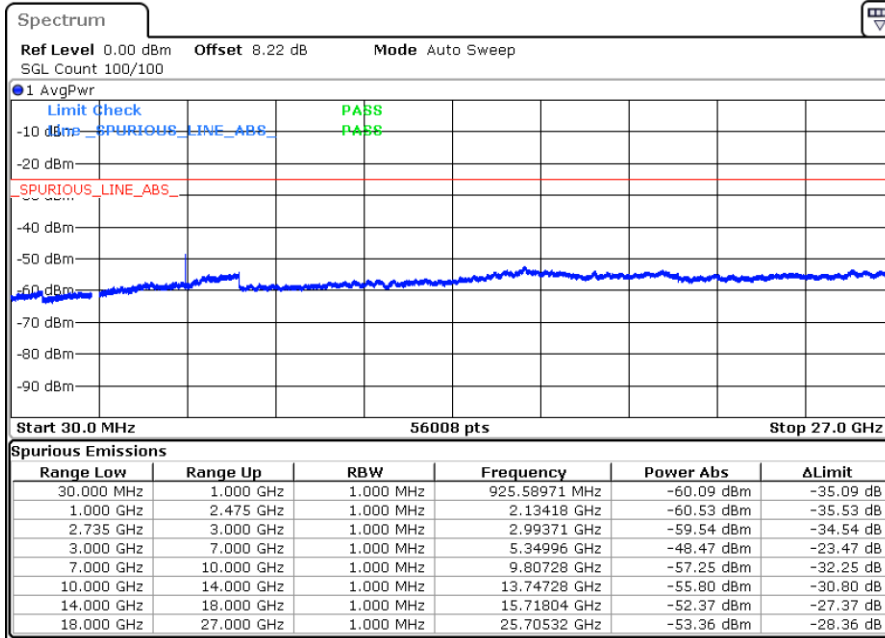
Middle Channel / QPSK



Date: 26 JUN 2023 10:23:57

Date: 26 JUN 2023 10:34:59

Highest Channel / QPSK



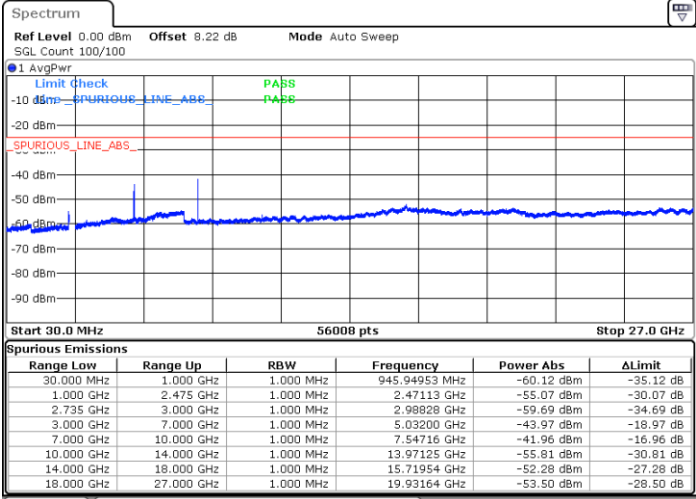
Date: 26 JUN 2023 10:48:18



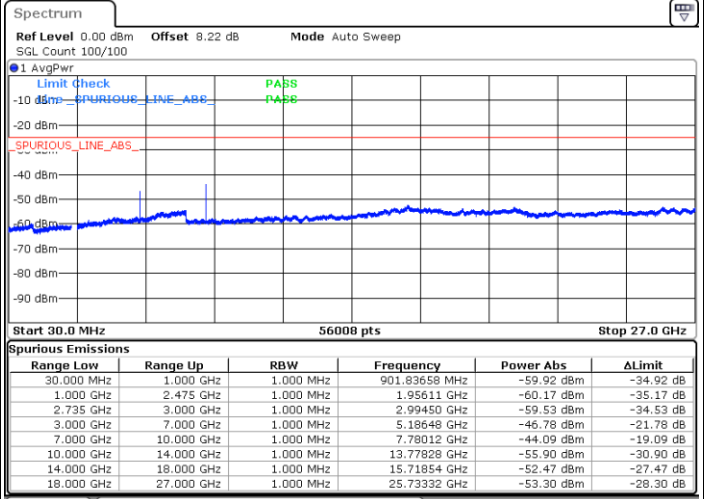
LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

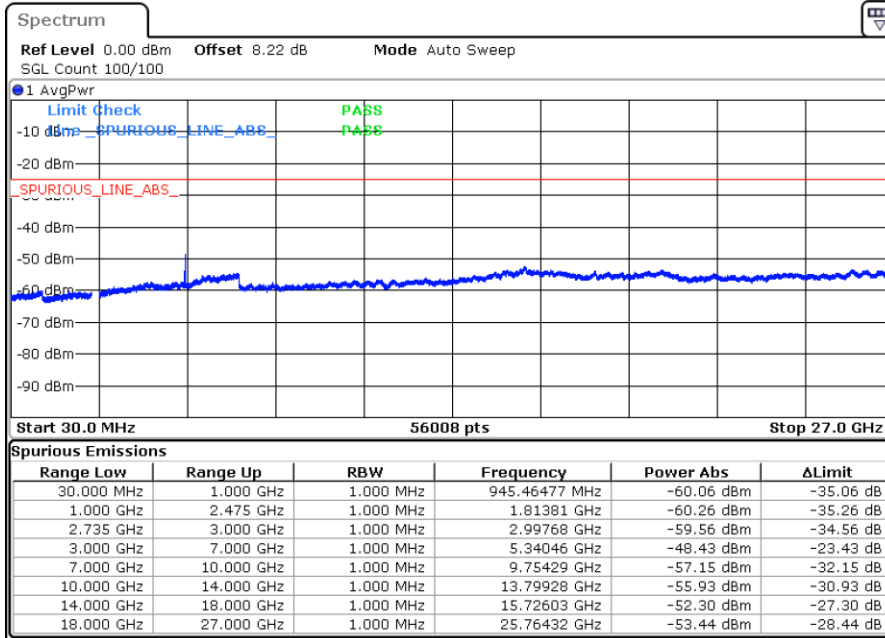


Date: 26 JUN 2023 10:58:42



Date: 26 JUN 2023 11:09:19

Highest Channel / QPSK



Date: 26 JUN 2023 11:12:52



### 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	0.0015	PASS
40	Normal Voltage	0.0048	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0041	
0	Normal Voltage	0.0038	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0018	

**Note:**

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.





## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

RSE pretest all the supported antennas, only the worst antenna perform final test and record 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)
Middle	5050	-62.98	-25	-37.98	-73.19	3.03	13.24	H
	7584	-62.75	-25	-37.75	-72.20	3.56	13.01	H
	10104	-61.90	-25	-36.90	-71.42	3.92	13.44	H
	5050	-63.47	-25	-38.47	-73.68	3.03	13.24	V
	7584	-62.65	-25	-37.65	-72.10	3.56	13.01	V
	10104	-62.15	-25	-37.15	-71.67	3.92	13.44	V

LTE Band 12 / 10MHz / QPSK / Ant.0								
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	-68.23	-13	-55.23	-75.20	1.58	10.70	H
	2112	-62.88	-13	-49.88	-71.13	2.102	12.50	H
	2808	-60.20	-13	-47.20	-69.09	2.856	13.90	H
	1408	-67.35	-13	-54.35	-74.32	1.58	10.70	V
	2112	-62.28	-13	-49.28	-70.53	2.10	12.50	V
	2808	-59.65	-13	-46.65	-68.54	2.86	13.90	V

LTE Band 13 / 5MHz / QPSK / Ant.0								
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	-67.02	-42.15	-24.87	-69.65	1.09	5.87	H
	2336	-61.44	-13	-48.44	-63.84	1.37	5.92	H
	3120	-60.24	-13	-47.24	-64.13	1.64	7.68	H
	1560	-66.42	-42.15	-24.27	-69.05	1.09	5.87	V
	2336	-60.00	-13	-47.00	-62.40	1.37	5.92	V
	3120	-60.12	-13	-47.12	-64.01	1.64	7.68	V



LTE Band 13 / 10MHz / QPSK / Ant.0								
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	1552	-67.01	-13	-54.01	-69.64	1.09	5.87	H
	2328	-62.09	-13	-49.09	-64.49	1.37	5.92	H
	3112	-60.17	-13	-47.17	-64.06	1.64	7.68	H
	1552	-66.24	-13	-53.24	-68.87	1.09	5.87	V
	2328	-60.15	-13	-47.15	-62.55	1.37	5.92	V
	3112	-60.10	-13	-47.10	-63.99	1.64	7.68	V

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)
Middle	5162	-63.21	-25	-38.21	-73.42	3.03	13.24	H
	7752	-62.16	-25	-37.16	-71.61	3.56	13.01	H
	10342	-61.08	-25	-36.08	-70.60	3.92	13.44	H
	5162	-63.36	-25	-38.36	-73.57	3.03	13.24	V
	7752	-61.80	-25	-36.80	-71.25	3.56	13.01	V
	10342	-61.75	-25	-36.75	-71.27	3.92	13.44	V

LTE Band 7C_CA / 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)
PCC Middle (1RB0)	5036	-63.13	-25	-38.13	-73.34	3.03	13.24	H
	7542	-61.72	-25	-36.72	-71.17	3.56	13.01	H
	10062	-61.88	-25	-36.88	-71.40	3.92	13.44	H
	5036	-63.26	-25	-38.26	-73.47	3.03	13.24	V
	7542	-61.88	-25	-36.88	-71.33	3.56	13.01	V
	10062	-62.19	-25	-37.19	-71.71	3.92	13.44	V
SCC Middle (1RBMax)	5064	-62.73	-25	-37.73	-72.94	3.03	13.24	H
	7598	-62.39	-25	-37.39	-71.84	3.56	13.01	H
	10132	-61.18	-25	-36.18	-70.70	3.92	13.44	H
	5064	-62.75	-25	-37.75	-72.96	3.03	13.24	V
	7598	-62.05	-25	-37.05	-71.50	3.56	13.01	V
	10132	-61.32	-25	-36.32	-70.84	3.92	13.44	V



LTE Band 41C_CA / 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)
PCC Middle (1RB0)	5148	-63.19	-25	-38.19	-73.40	3.03	13.24	H
	7724	-61.93	-25	-36.93	-71.38	3.56	13.01	H
	10300	-61.33	-25	-36.33	-70.85	3.92	13.44	H
	5148	-63.16	-25	-38.16	-73.37	3.03	13.24	V
	7724	-61.97	-25	-36.97	-71.42	3.56	13.01	V
	10300	-61.79	-25	-36.79	-71.31	3.92	13.44	V
SCC Middle (1RBMax)	5190	-62.16	-25	-37.16	-72.37	3.03	13.24	H
	7780	-62.09	-25	-37.09	-71.54	3.56	13.01	H
	10370	-61.37	-25	-36.37	-70.89	3.92	13.44	H
	5190	-62.22	-25	-37.22	-72.43	3.03	13.24	V
	7780	-62.02	-25	-37.02	-71.47	3.56	13.01	V
	10370	-61.48	-25	-36.48	-71.00	3.92	13.44	V

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