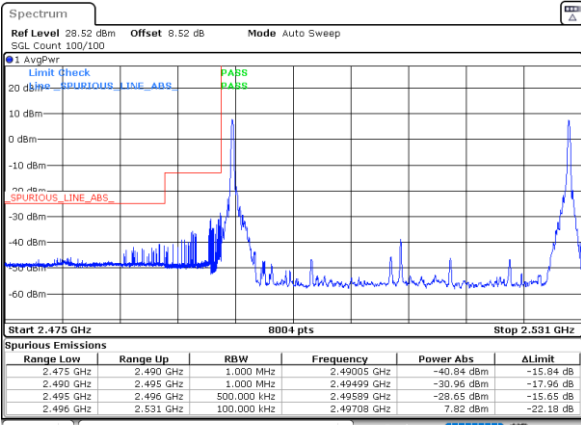




LTE Band 41C / 20MHz+15MHz

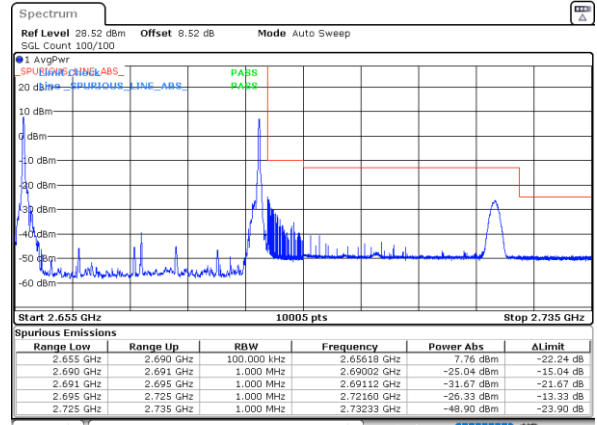
64QAM

Lowest Band Edge / 1RB0 and 1RB74



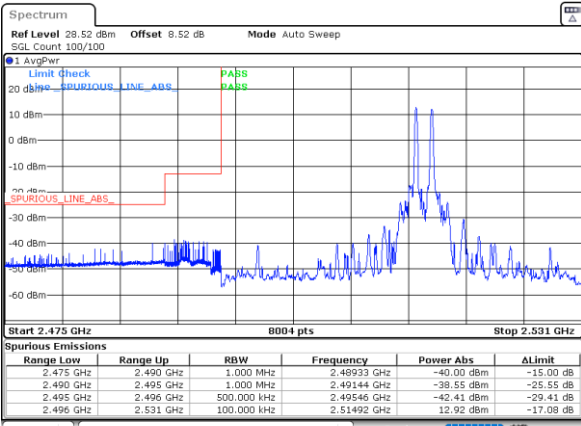
Date: 30 JUN 2023 11:29:44

Highest Band Edge / 1RB0 and 1RB74



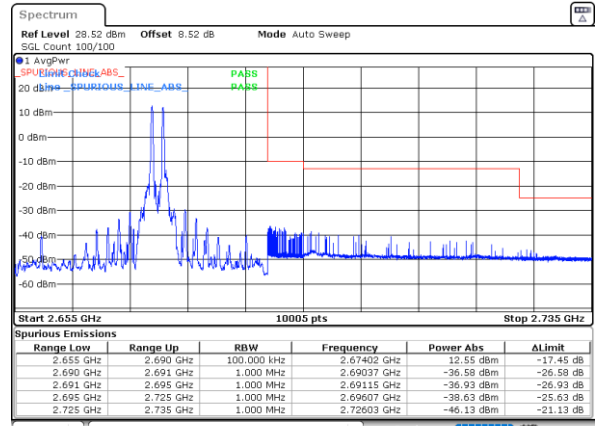
Date: 30 JUN 2023 11:41:13

Lowest Band Edge / 1RB99 and 1RB0



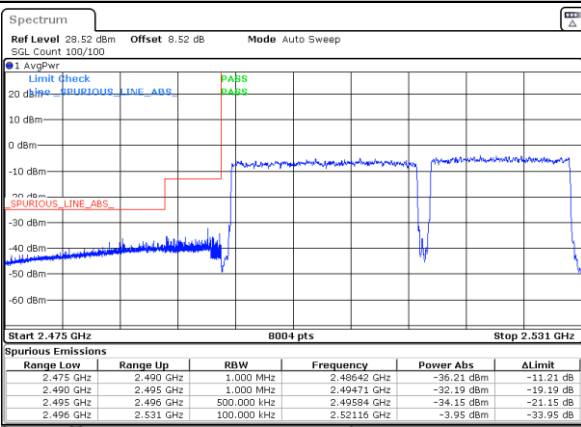
Date: 30 JUN 2023 11:27:17

Highest Band Edge / 1RB99 and 1RB0



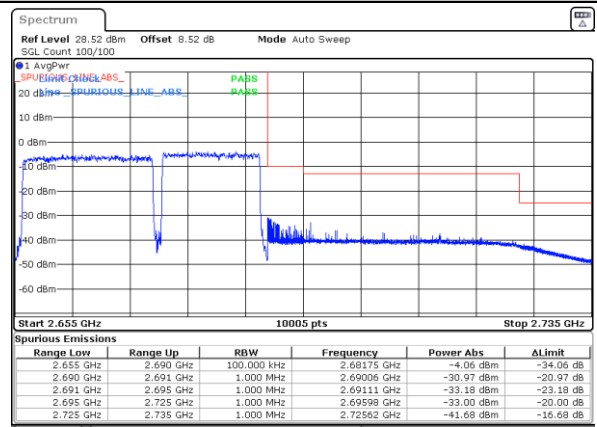
Date: 30 JUN 2023 11:38:48

Lowest Band Edge / Full RB



Date: 30 JUN 2023 11:32:09

Highest Band Edge / Full RB



Date: 30 JUN 2023 11:43:38

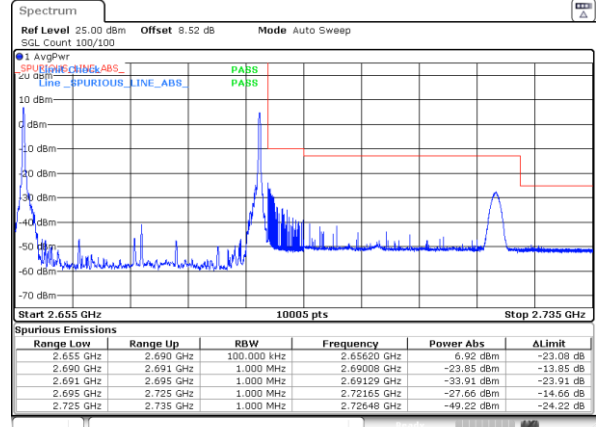
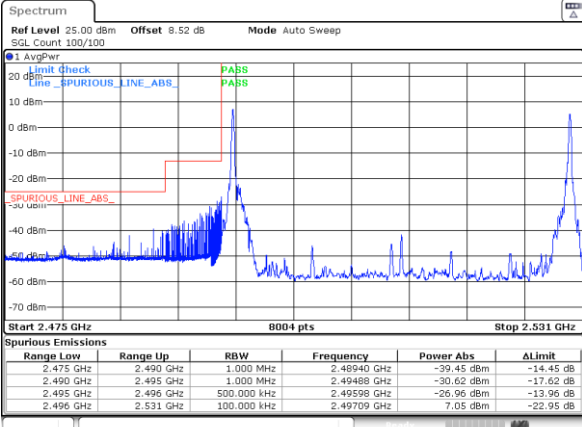


LTE Band 41C / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

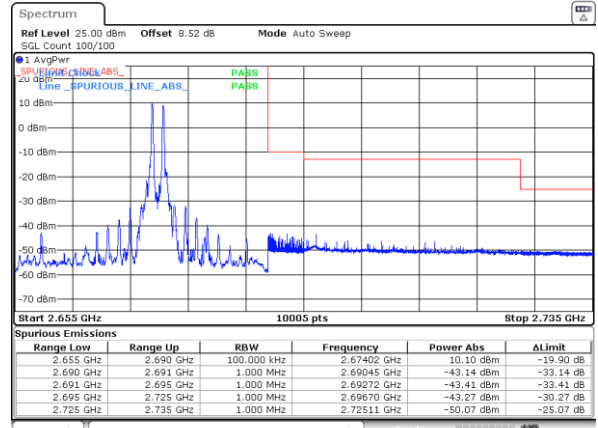
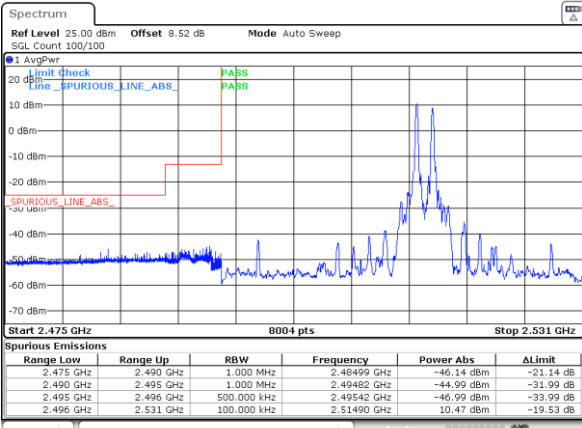


Date: 21.JUL.2023 00:00:26

Date: 21.JUL.2023 00:02:42

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

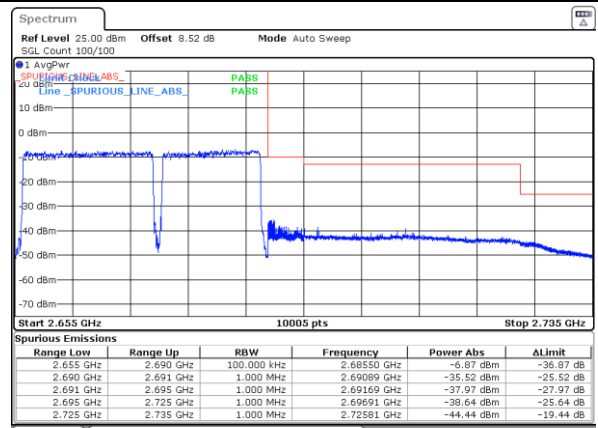
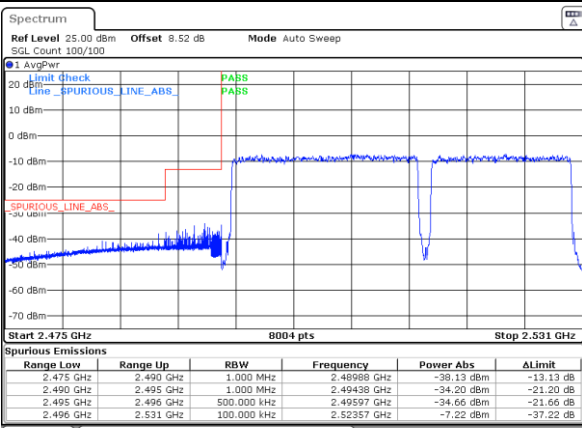


Date: 21.JUL.2023 00:01:10

Date: 21.JUL.2023 00:03:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.JUL.2023 00:01:53

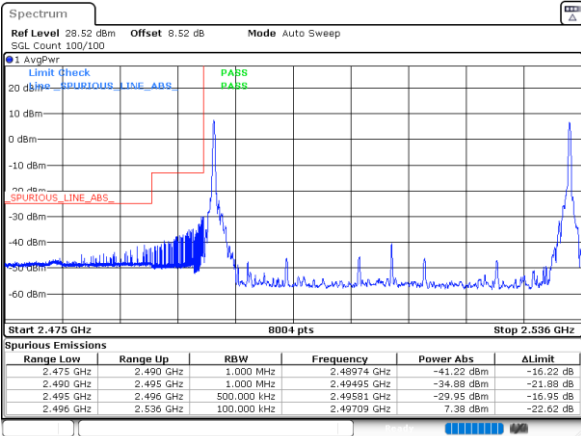
Date: 21.JUL.2023 00:04:06



LTE Band 41C / 20MHz+20MHz

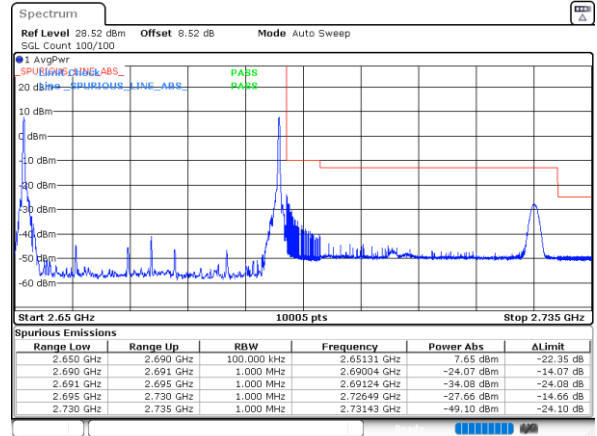
QPSK

Lowest Band Edge / 1RB0 and 1RB9



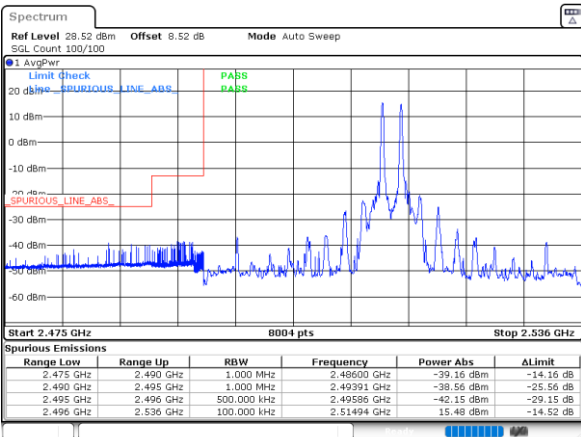
Date: 30 JUN 2023 11:48:24

Highest Band Edge / 1RB0 and 1RB9



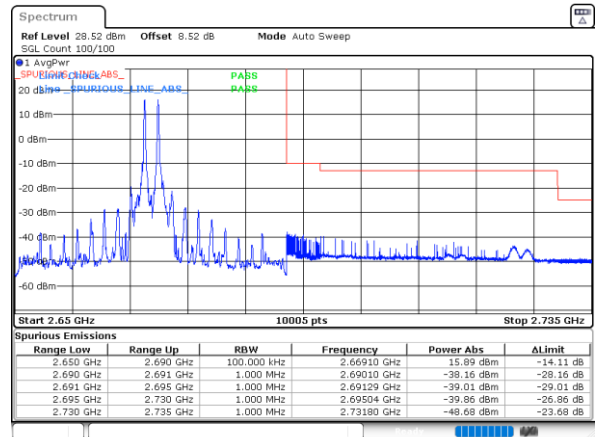
Date: 30 JUN 2023 11:58:54

Lowest Band Edge / 1RB99 and 1RB0



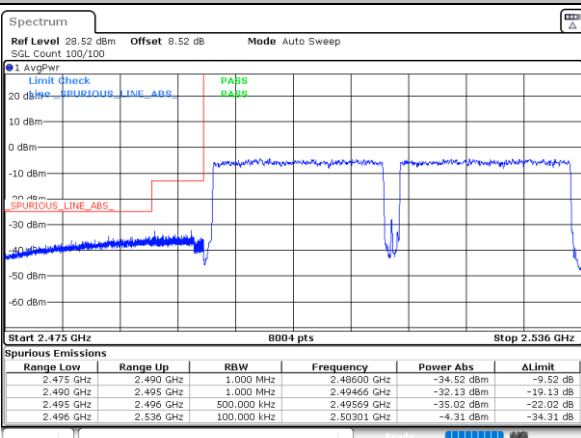
Date: 30 JUN 2023 11:45:58

Highest Band Edge / 1RB99 and 1RB0



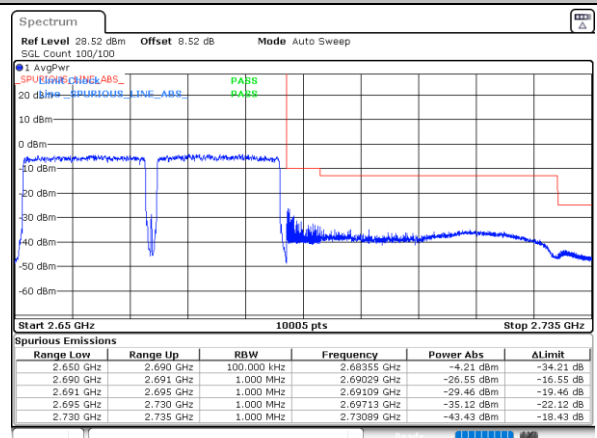
Date: 30 JUN 2023 11:56:29

Lowest Band Edge / Full RB



Date: 30 JUN 2023 11:50:50

Highest Band Edge / Full RB



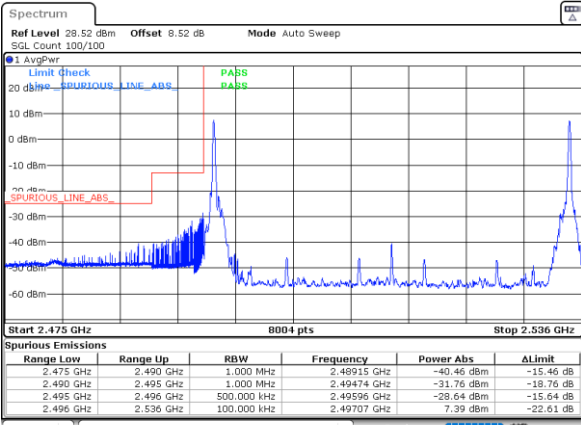
Date: 30 JUN 2023 12:01:19



LTE Band 41C / 20MHz+20MHz

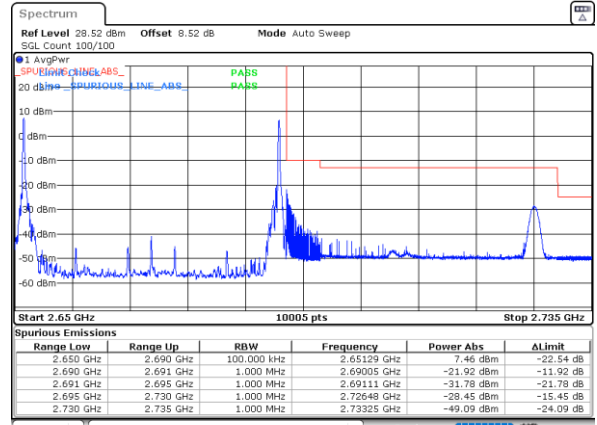
16QAM

Lowest Band Edge / 1RB0 and 1RB9



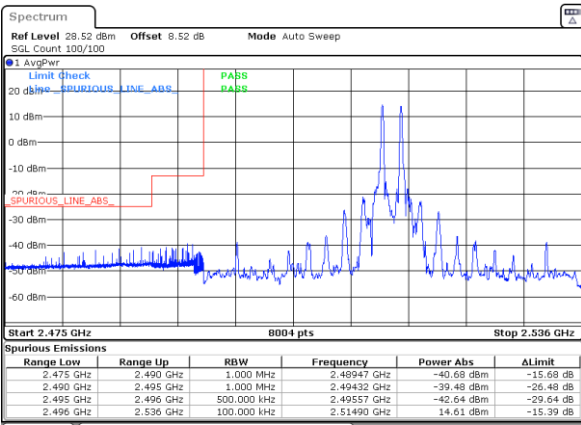
Date: 30 JUN 2023 11:49:13

Highest Band Edge / 1RB0 and 1RB9



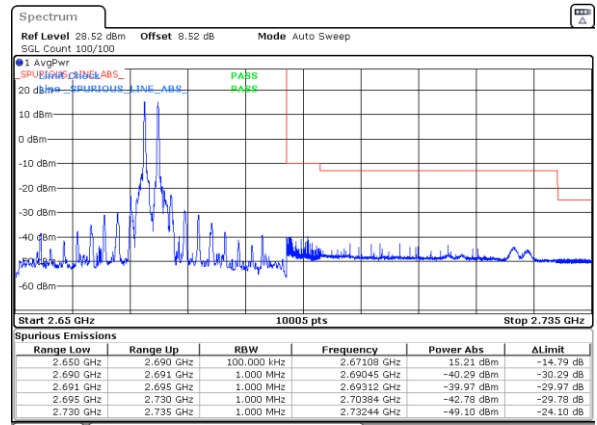
Date: 30 JUN 2023 11:59:42

Lowest Band Edge / 1RB99 and 1RB0



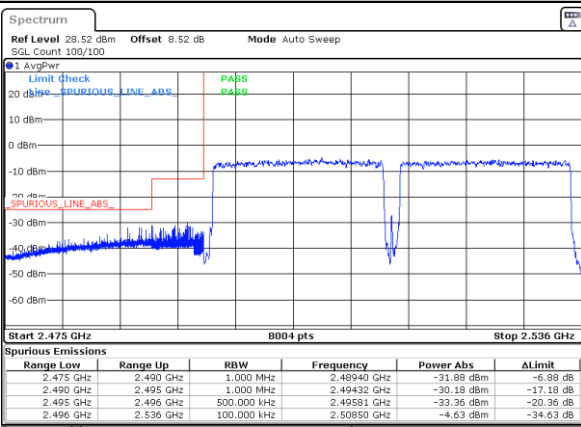
Date: 30 JUN 2023 11:46:47

Highest Band Edge / 1RB99 and 1RB0



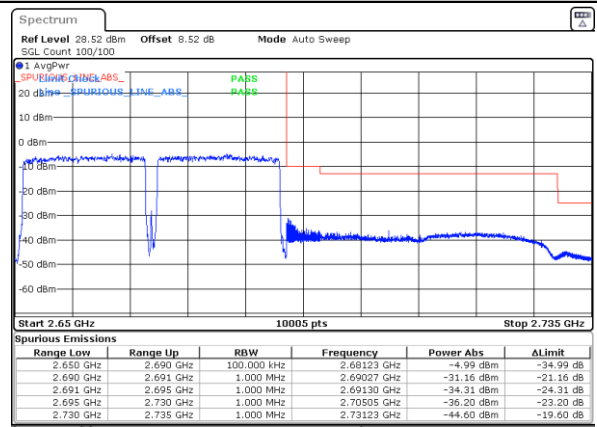
Date: 30 JUN 2023 11:57:18

Lowest Band Edge / Full RB



Date: 30 JUN 2023 11:51:38

Highest Band Edge / Full RB



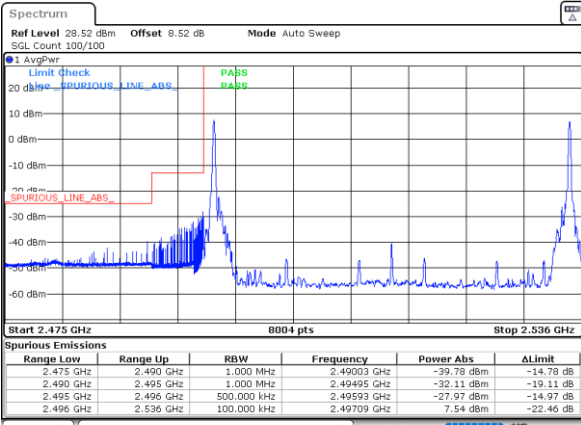
Date: 30 JUN 2023 12:02:08



LTE Band 41C / 20MHz+20MHz

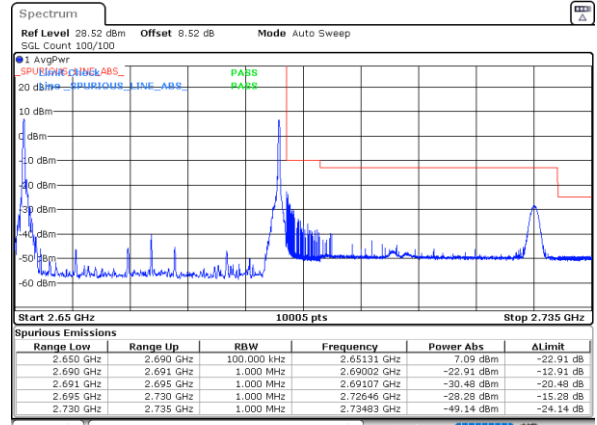
64QAM

Lowest Band Edge / 1RB0 and 1RB9



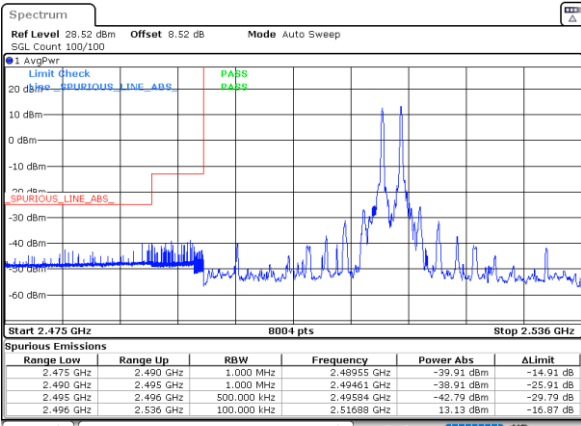
Date: 30 JUN 2023 11:50:01

Highest Band Edge / 1RB0 and 1RB9



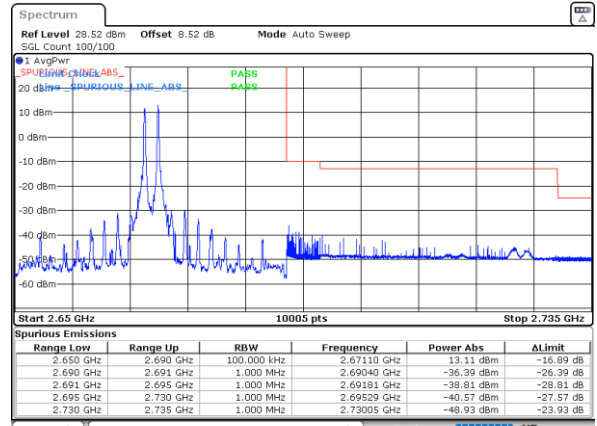
Date: 30 JUN 2023 12:00:31

Lowest Band Edge / 1RB99 and 1RB0



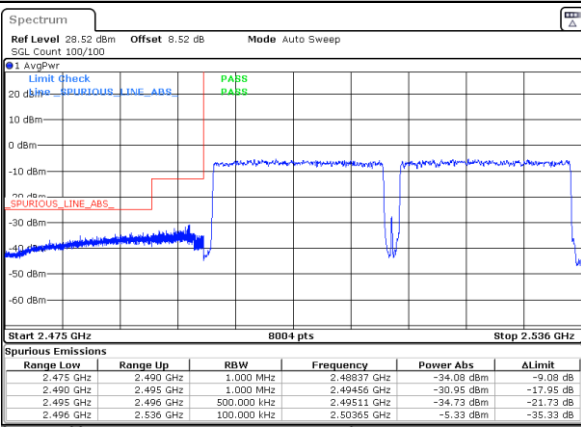
Date: 30 JUN 2023 11:47:35

Highest Band Edge / 1RB99 and 1RB0



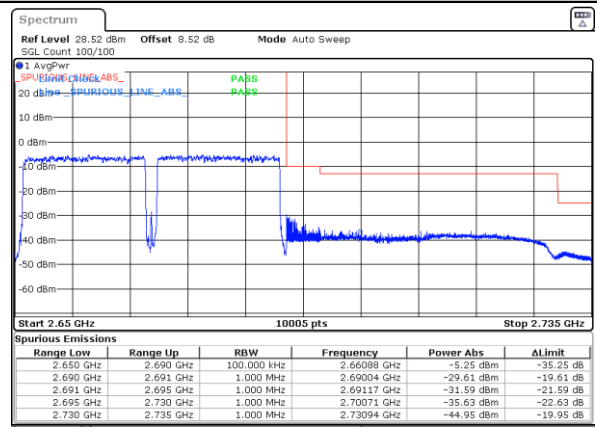
Date: 30 JUN 2023 11:58:06

Lowest Band Edge / Full RB



Date: 30 JUN 2023 11:52:27

Highest Band Edge / Full RB



Date: 30 JUN 2023 12:02:56

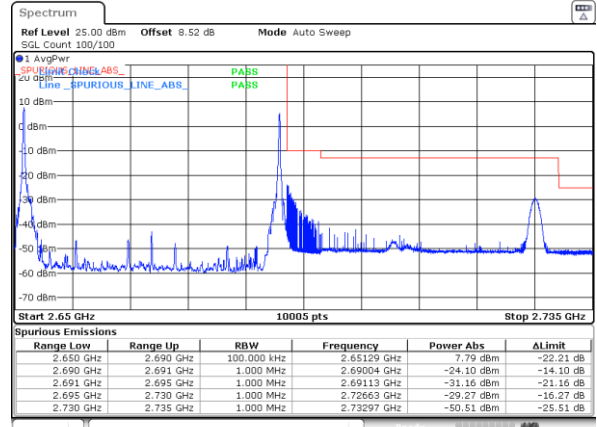
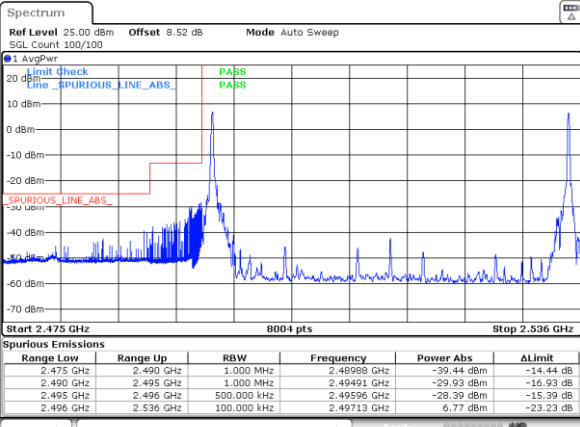


LTE Band 41C / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

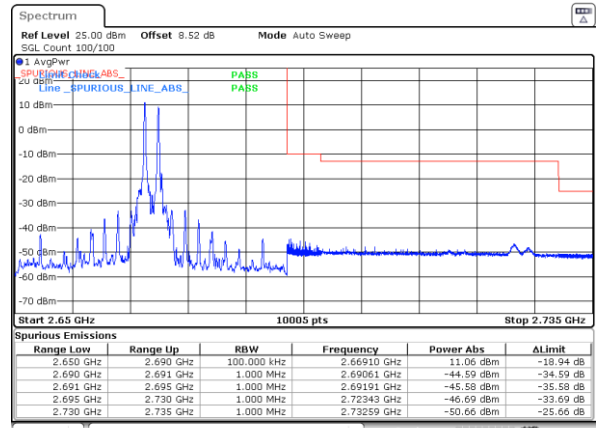
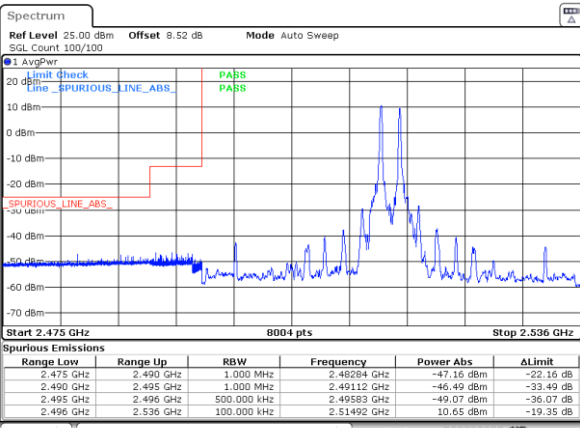


Date: 21.JUL.2023 00:04:56

Date: 21.JUL.2023 00:07:11

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

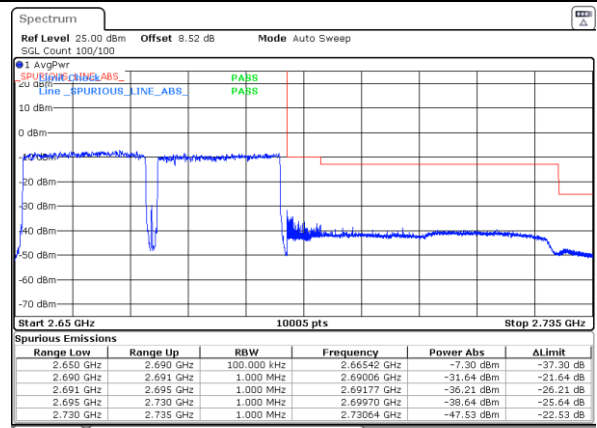
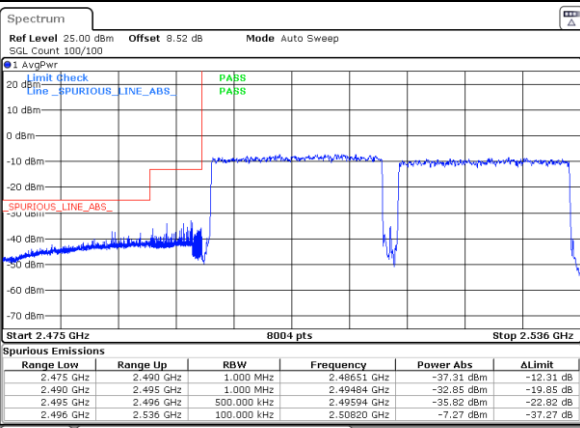


Date: 21.JUL.2023 00:05:39

Date: 21.JUL.2023 00:07:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.JUL.2023 00:06:23

Date: 21.JUL.2023 00:08:35

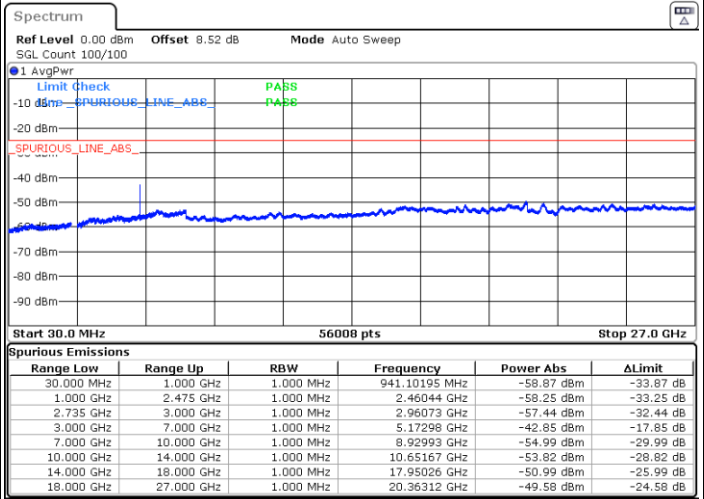
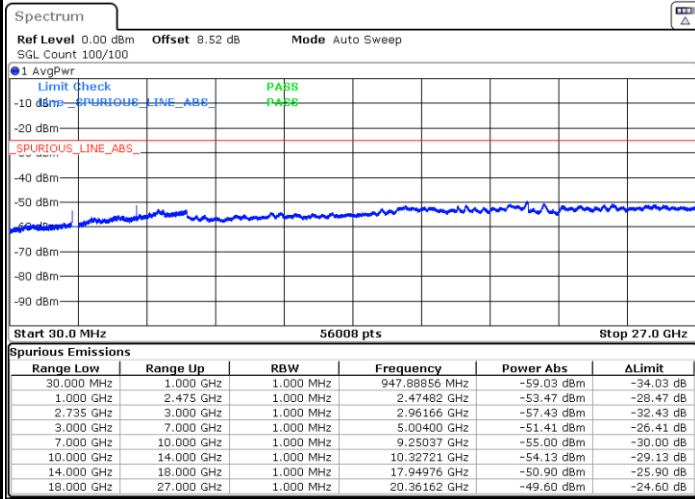


Conducted Spurious Emission

LTE Band 41C / 5MHz+20MHz

Lowest Channel / QPSK

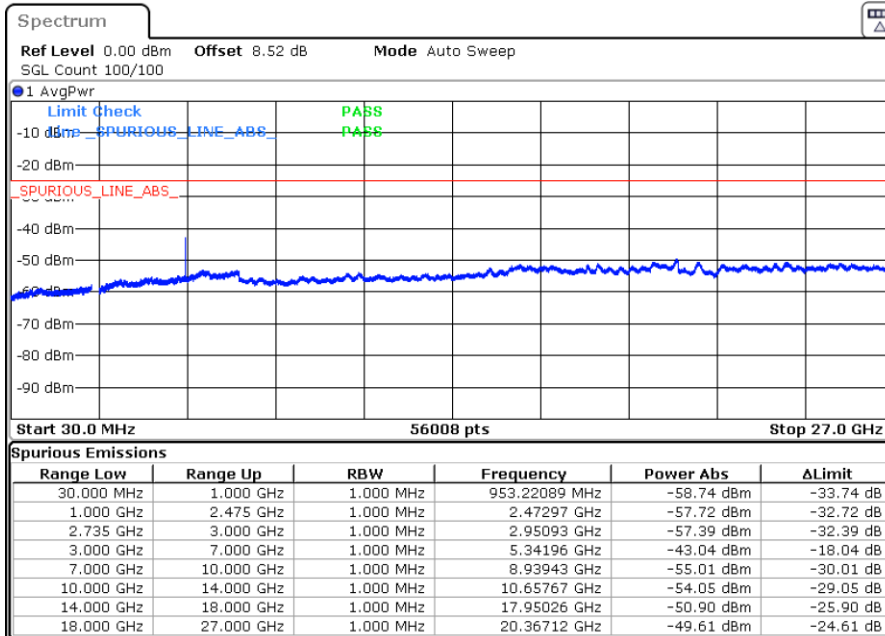
Middle Channel / QPSK



Date: 30.JUN.2023 08:33:10

Date: 30.JUN.2023 08:43:22

Highest Channel / QPSK



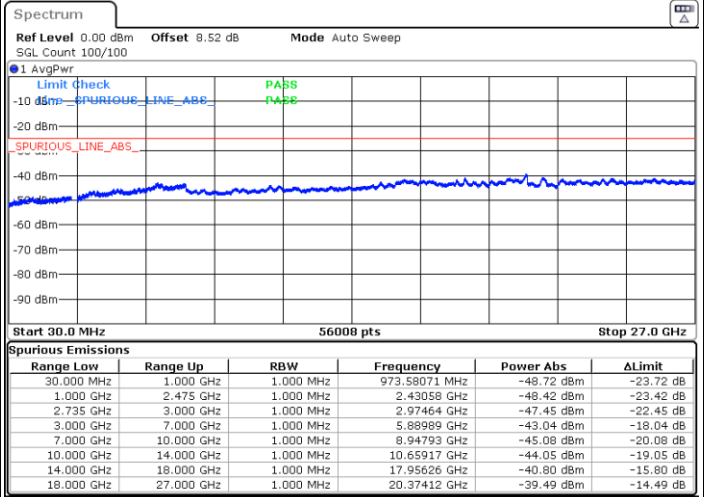
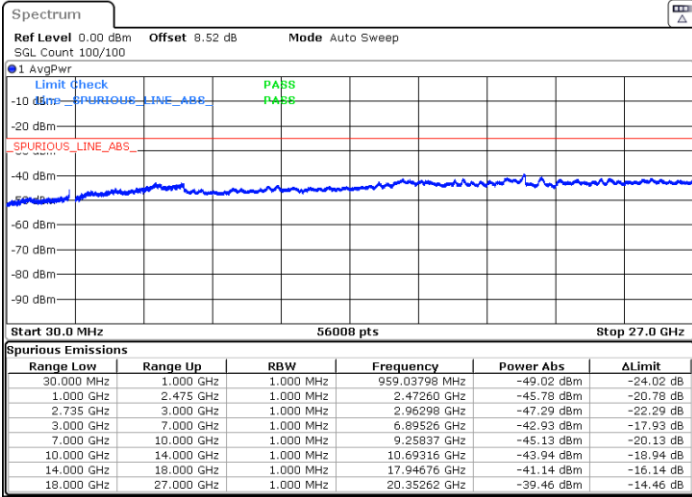
Date: 30.JUN.2023 08:44:52



LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

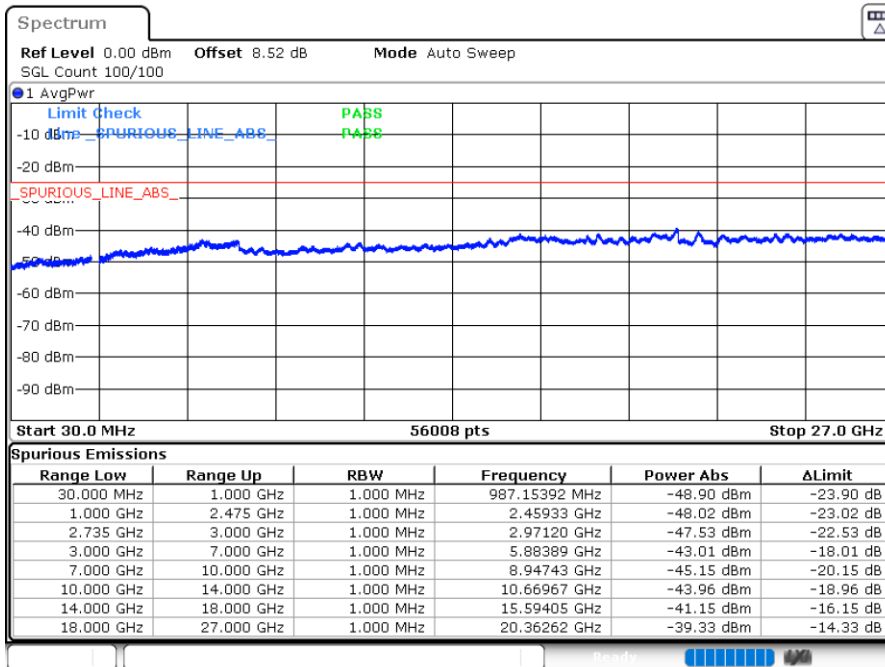
Middle Channel / QPSK



Date: 30 JUN 2023 08:54:54

Date: 30 JUN 2023 09:08:36

Highest Channel / QPSK



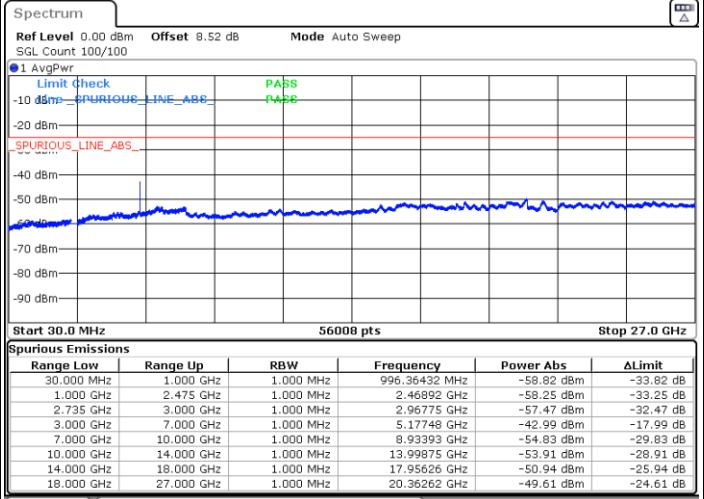
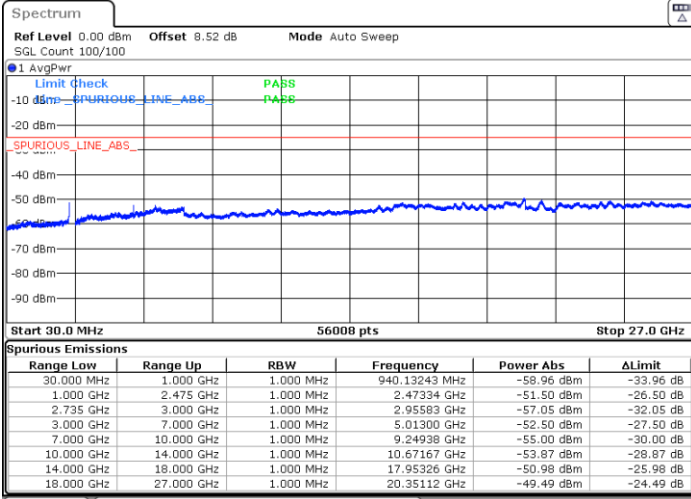
Date: 30 JUN 2023 09:12:03



LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

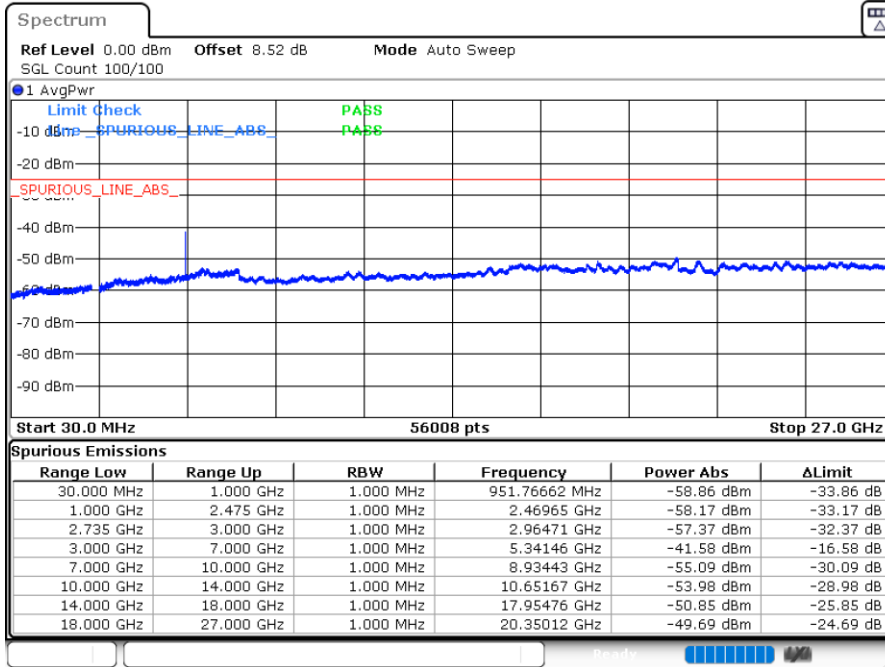
Middle Channel / QPSK



Date: 30 JUN 2023 09:21:07

Date: 30 JUN 2023 09:30:41

Highest Channel / QPSK



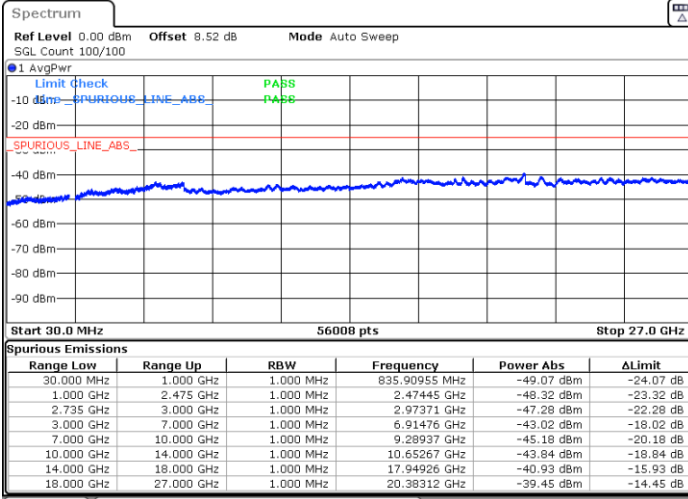
Date: 30 JUN 2023 09:33:42



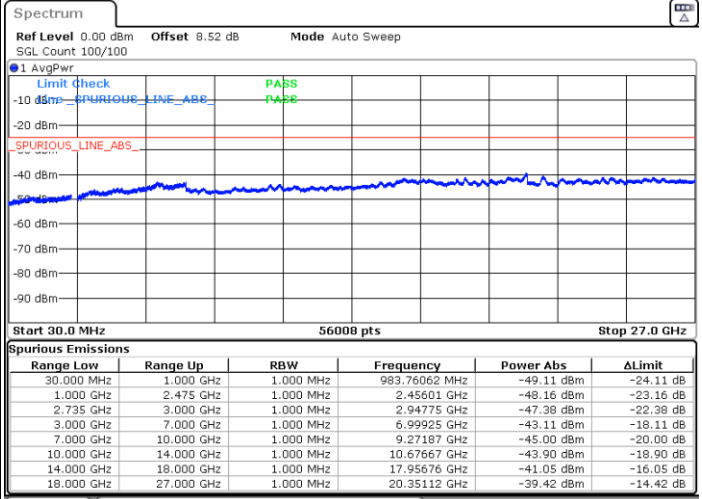
LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

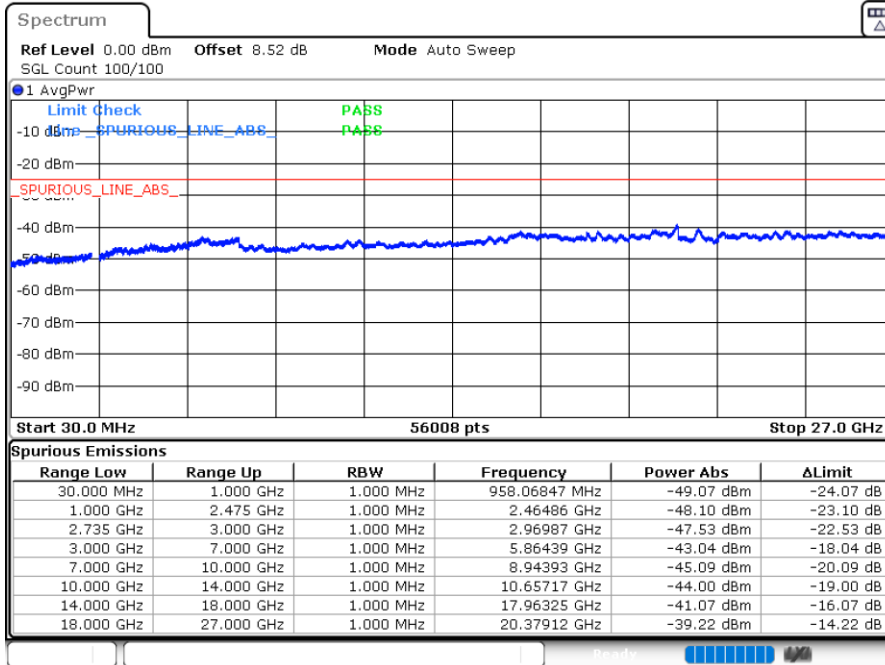


Date: 30 JUN 2023 09:43:43



Date: 30 JUN 2023 09:52:46

Highest Channel / QPSK



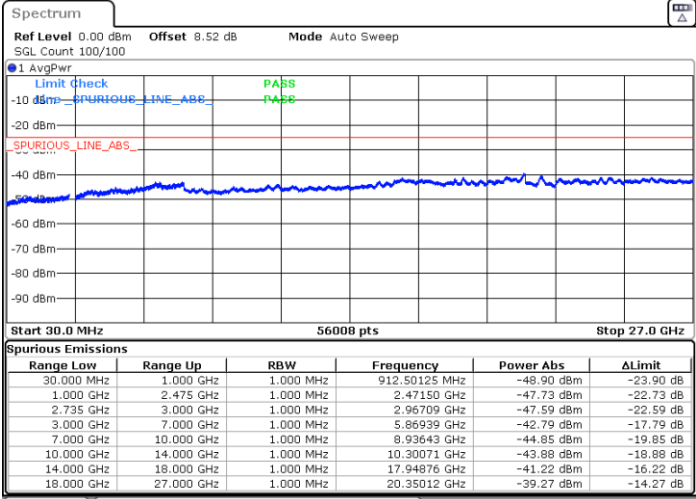
Date: 30 JUN 2023 09:54:45



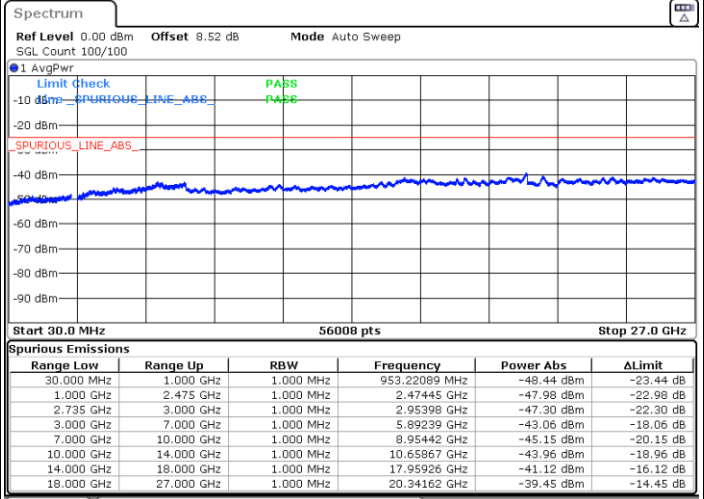
LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

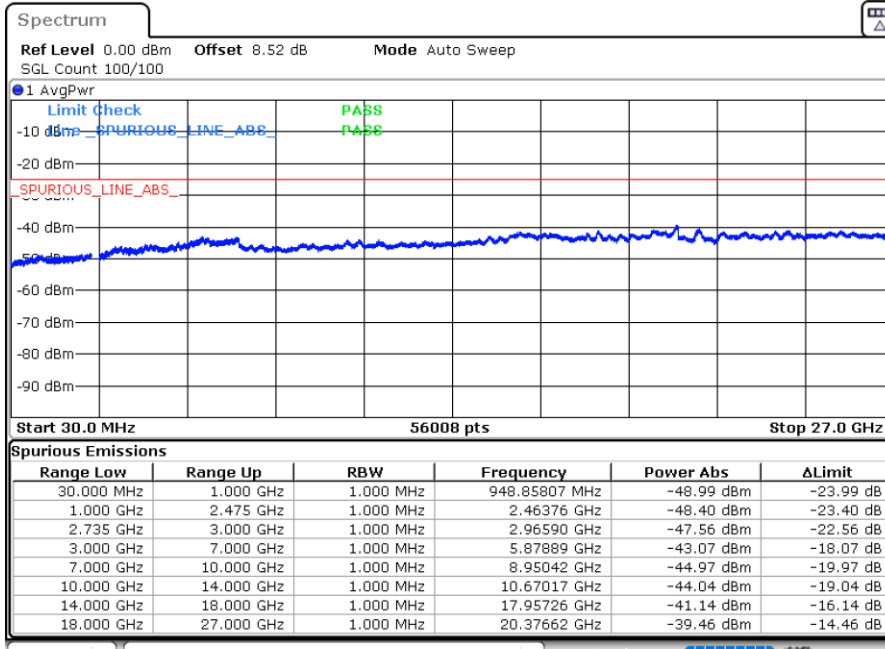


Date: 30 JUN 2023 10:03:29



Date: 30 JUN 2023 10:12:27

Highest Channel / QPSK



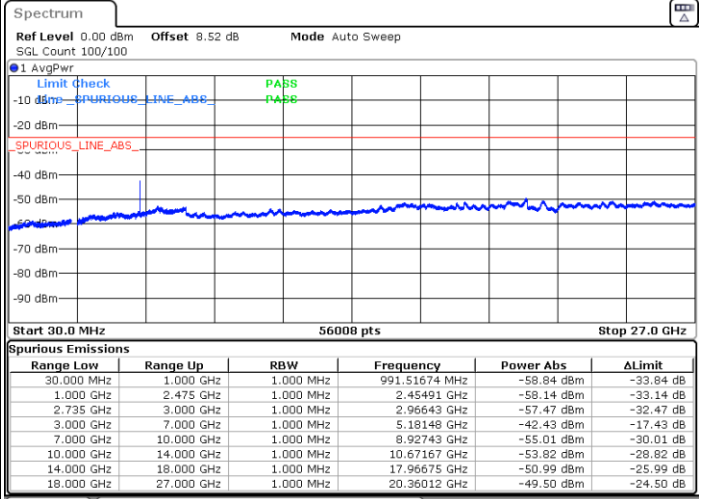
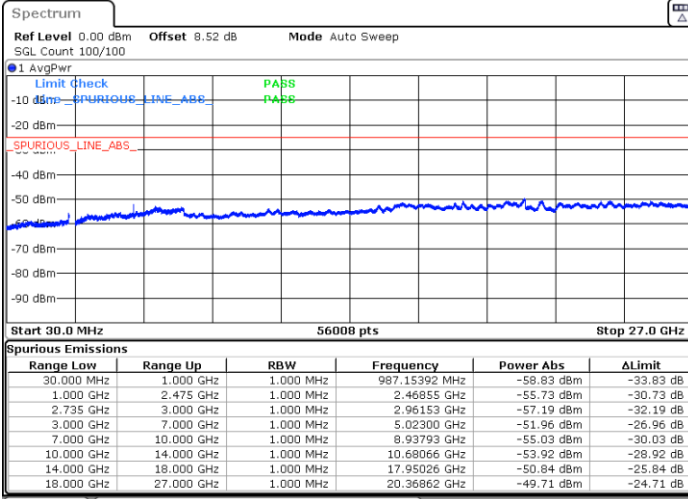
Date: 30 JUN 2023 10:14:38



LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

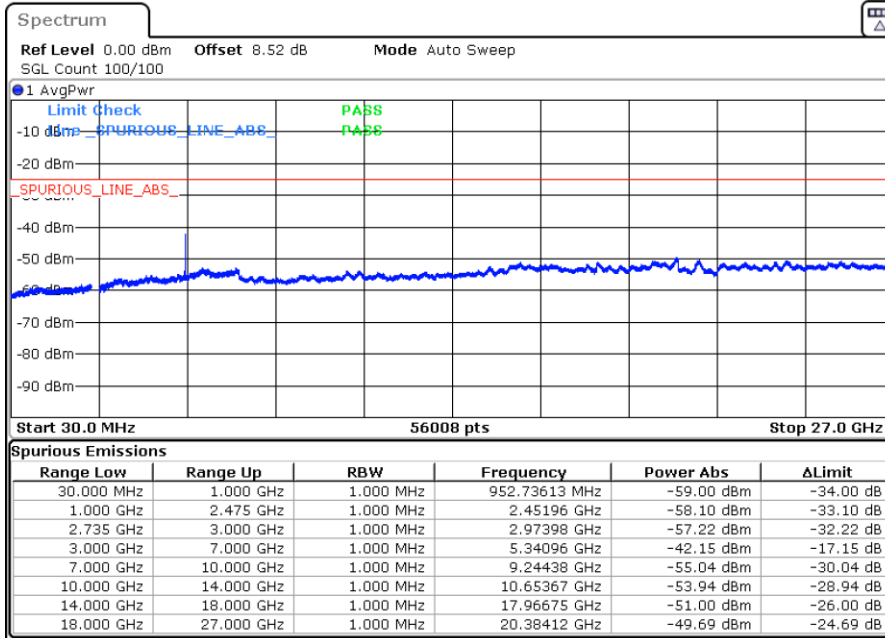
Middle Channel / QPSK



Date: 30 JUN 2023 10:24:50

Date: 30 JUN 2023 10:33:52

Highest Channel / QPSK



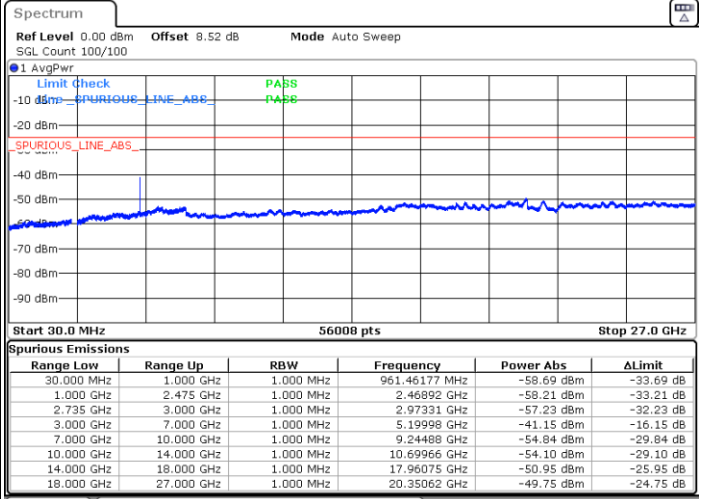
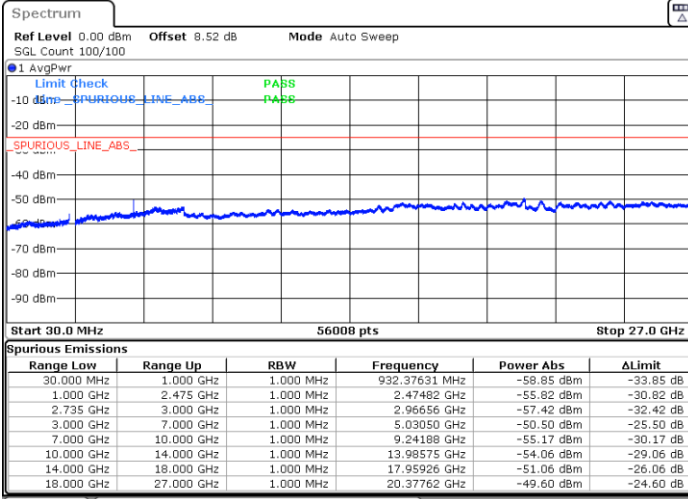
Date: 30 JUN 2023 10:35:40



LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

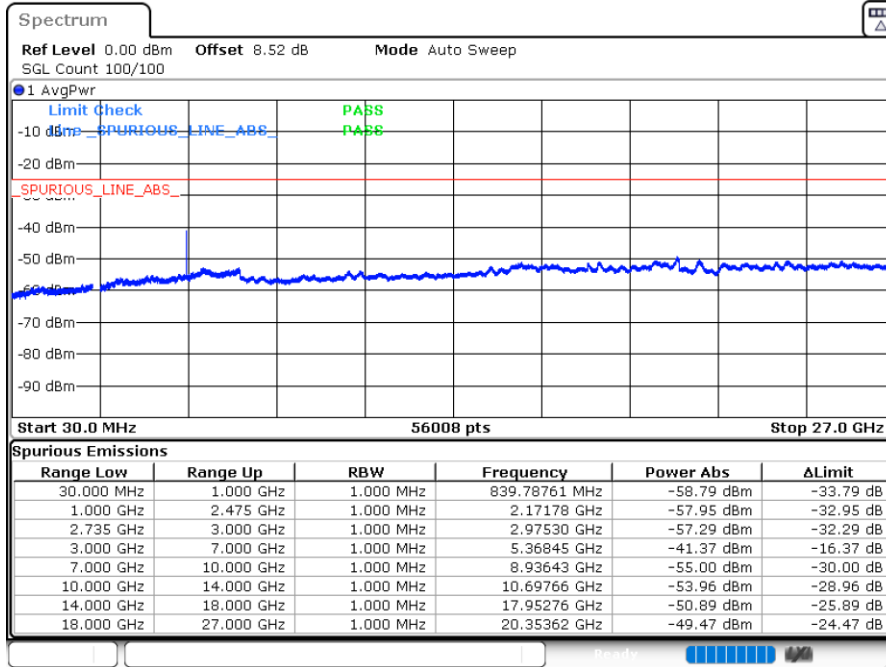
Middle Channel / QPSK



Date: 30 JUN 2023 10:44:26

Date: 30 JUN 2023 10:54:25

Highest Channel / QPSK



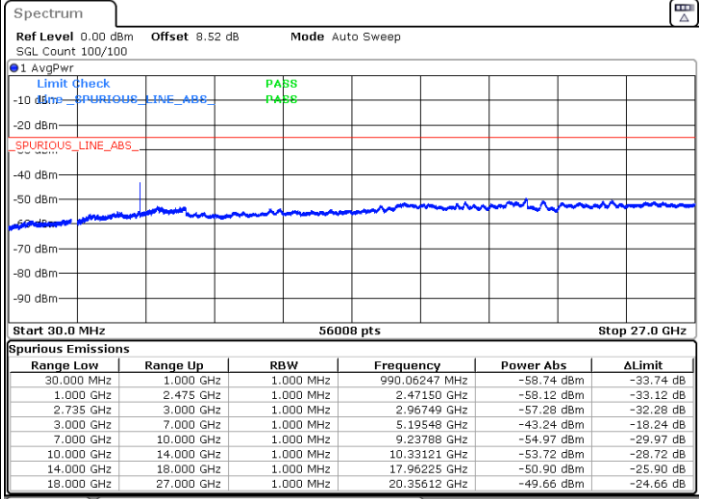
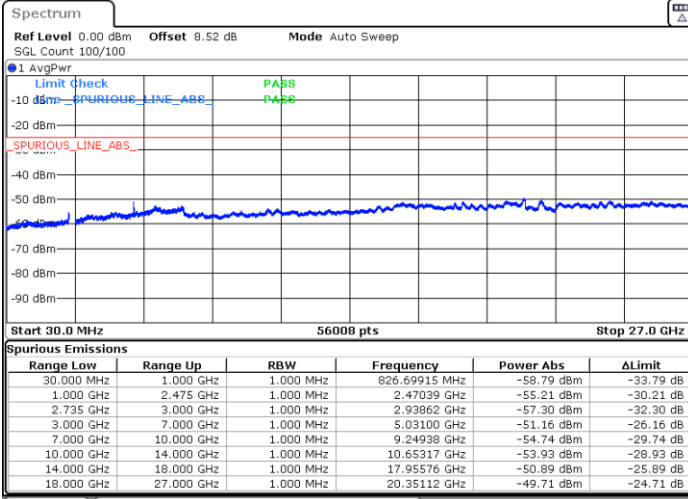
Date: 30 JUN 2023 10:56:20



LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

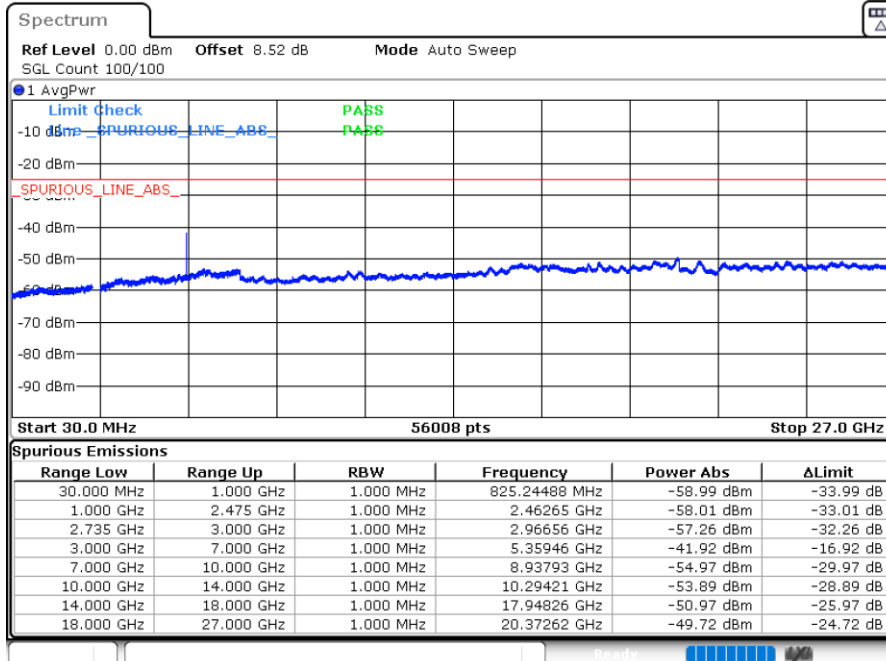
Middle Channel / QPSK



Date: 30 JUN 2023 11:05:05

Date: 30 JUN 2023 11:13:51

Highest Channel / QPSK



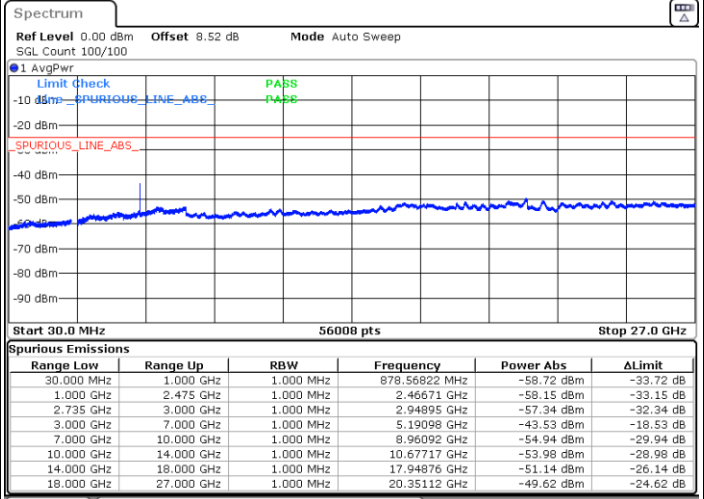
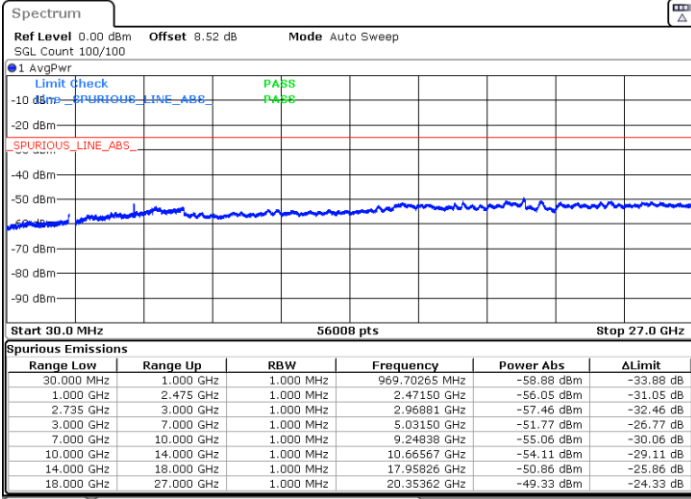
Date: 30 JUN 2023 11:16:08



LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

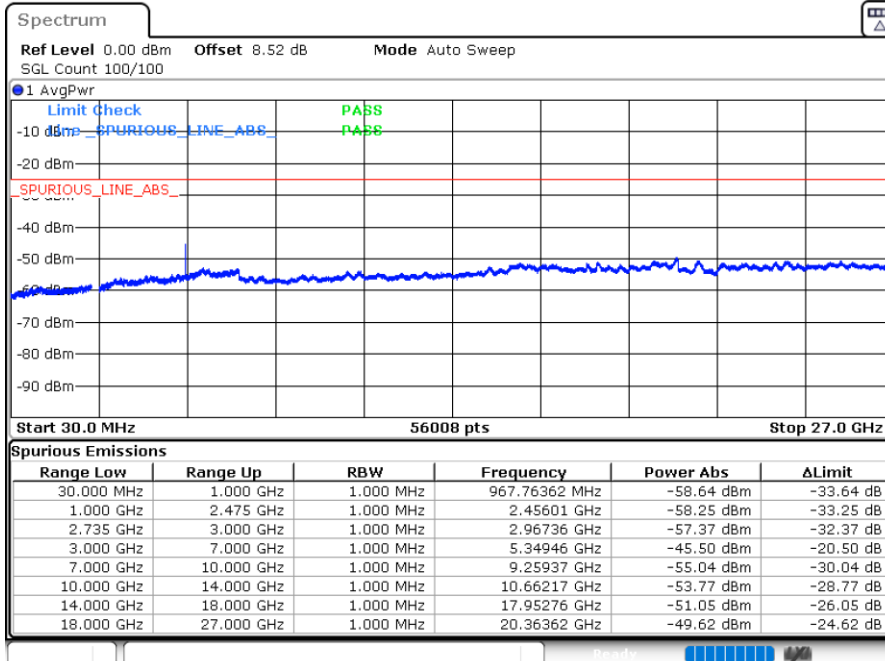
Middle Channel / QPSK



Date: 30 JUN 2023 11:24:53

Date: 30 JUN 2023 11:34:37

Highest Channel / QPSK



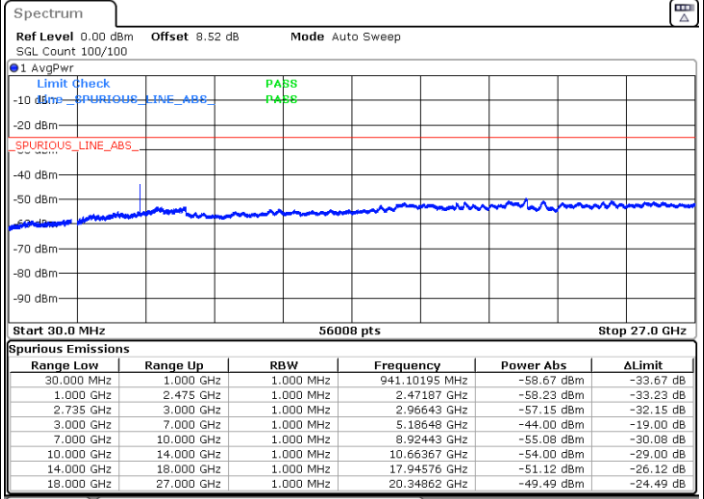
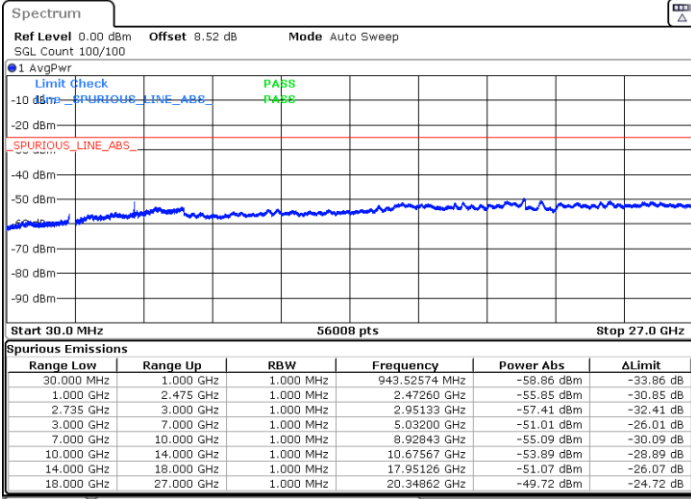
Date: 30 JUN 2023 11:36:23



LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

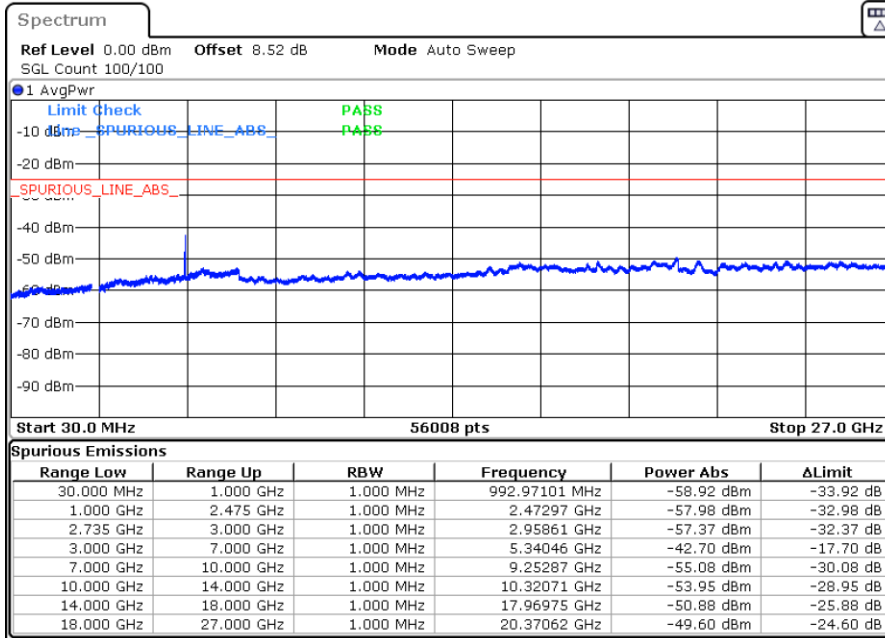
Middle Channel / QPSK



Date: 30 JUN 2023 11:45:10

Date: 30 JUN 2023 11:53:59

Highest Channel / QPSK



Date: 30 JUN 2023 11:55:41



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	0.0025	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0046	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0028	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =3.91V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.5V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	23~25°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to perform final test and record in the report.

LTE Band 7 / 20MHz / QPSK (Ant. 0)								
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	-53.82	-25	-28.82	-64.03	3.03	13.24	H
	7580	-48.49	-25	-23.49	-57.94	3.56	13.01	H
	10100	-52.39	-25	-27.39	-61.91	3.92	13.44	H
	5052	-54.83	-25	-29.83	-65.04	3.03	13.24	V
	7580	-50.01	-25	-25.01	-59.46	3.56	13.01	V
	10100	-52.25	-25	-27.25	-61.77	3.92	13.44	V

LTE Band 41 / 20MHz / QPSK (Ant. 0)								
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	-60.03	-25	-35.03	-70.24	3.03	13.24	H
	7752	-51.69	-25	-26.69	-61.14	3.56	13.01	H
	10340	-51.60	-25	-26.60	-61.12	3.92	13.44	H
	5168	-60.43	-25	-35.43	-70.64	3.03	13.24	V
	7752	-54.96	-25	-29.96	-64.41	3.56	13.01	V
	10340	-51.47	-25	-26.47	-60.99	3.92	13.44	V

LTE Band 7C_CA / 20MHz+20MHz / QPSK for 1RB0 (Ant. 0)								
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	5032	-60.52	-25	-35.52	-70.73	3.03	13.24	H
	7548	-57.64	-25	-32.64	-67.09	3.56	13.01	H
	10060	-52.15	-25	-27.15	-61.67	3.92	13.44	H
	5032	-60.42	-25	-35.42	-70.63	3.03	13.24	V
	7548	-58.21	-25	-33.21	-67.66	3.56	13.01	V
	10060	-52.63	-25	-27.63	-62.15	3.92	13.44	V



LTE Band 7C_CA / 20MHz+20MHz / QPSK for 1RBmax (Ant. 0)								
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	5072	-60.10	-25	-35.10	-70.31	3.03	13.24	H
	7608	-57.21	-25	-32.21	-66.66	3.56	13.01	H
	10140	-52.04	-25	-27.04	-61.56	3.92	13.44	H
	5072	-60.41	-25	-35.41	-70.62	3.03	13.24	V
	7608	-56.94	-25	-31.94	-66.39	3.56	13.01	V
	10140	-52.74	-25	-27.74	-62.26	3.92	13.44	V

LTE Band 41C_CA / 20MHz+20MHz / QPSK for 1RB0 (Ant. 0)								
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	-60.52	-25	-35.52	-70.73	3.03	13.24	H
	7724	-55.99	-25	-30.99	-65.44	3.56	13.01	H
	10300	-51.74	-25	-26.74	-61.26	3.92	13.44	H
	5148	-60.77	-25	-35.77	-70.98	3.03	13.24	V
	7724	-56.69	-25	-31.69	-66.14	3.56	13.01	V
	10300	-51.71	-25	-26.71	-61.23	3.92	13.44	V

LTE Band 41C_CA / 20MHz+20MHz / QPSK for 1RBmax (Ant. 0)								
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	5188	-60.01	-25	-35.01	-70.22	3.03	13.24	H
	7780	-56.33	-25	-31.33	-65.78	3.56	13.01	H
	10380	-51.07	-25	-26.07	-60.59	3.92	13.44	H
	5188	-60.75	-25	-35.75	-70.96	3.03	13.24	V
	7780	-56.57	-25	-31.57	-66.02	3.56	13.01	V
	10380	-51.30	-25	-26.30	-60.82	3.92	13.44	V



For Other PA:

ENDC_7A_n78 (ANT0+4)								
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	-65.09	-25	-40.09	-75.30	3.03	13.24	H
	7584	-59.52	-25	-34.52	-68.97	3.56	13.01	H
	10104	-57.63	-25	-32.63	-67.15	3.92	13.44	H
	5050	-65.06	-25	-40.06	-75.27	3.03	13.24	V
	7584	-58.87	-25	-33.87	-68.32	3.56	13.01	V
	10104	-57.35	-25	-32.35	-66.87	3.92	13.44	V

ENDC_41A_n78 (ANT0+4)								
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	-59.85	-25	-34.85	-70.06	3.03	13.24	H
	7752	-56.60	-25	-31.60	-66.05	3.56	13.01	H
	10342	-56.83	-25	-31.83	-66.35	3.92	13.44	H
	5162	-59.61	-25	-34.61	-69.82	3.03	13.24	V
	7752	-52.02	-25	-27.02	-61.47	3.56	13.01	V
	10342	-56.79	-25	-31.79	-66.31	3.92	13.44	V

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