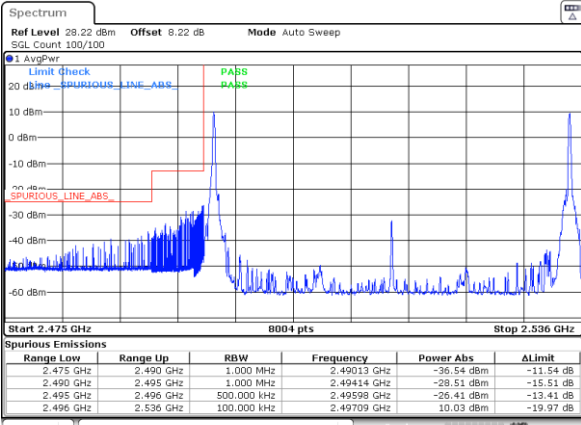




LTE Band 41C / 20MHz+20MHz

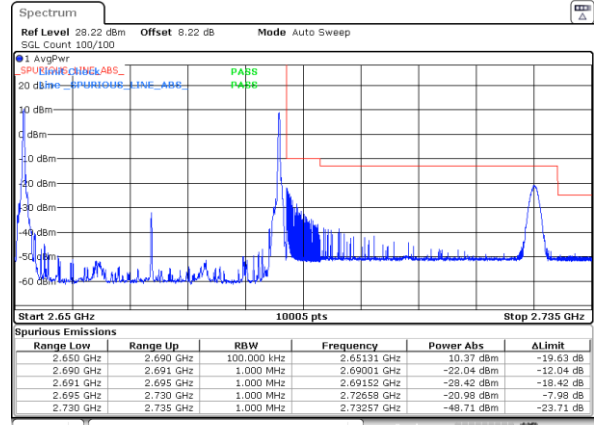
QPSK

Lowest Band Edge / 1RB0 and 1RB99



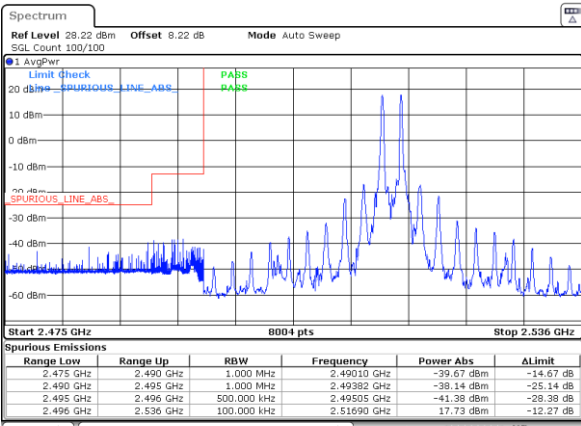
Date: 11.OCT.2022 01:16:08

Highest Band Edge / 1RB0 and 1RB99



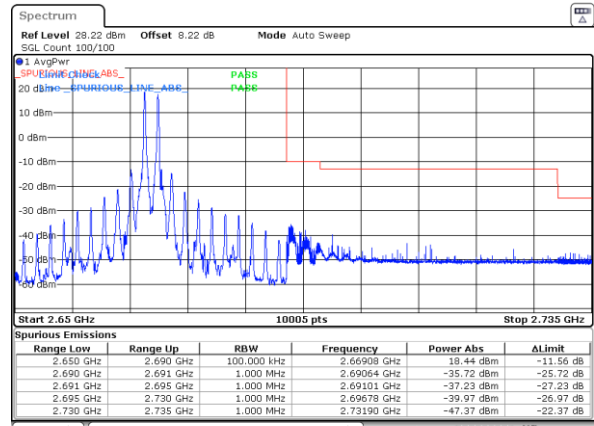
Date: 11.OCT.2022 01:26:34

Lowest Band Edge / 1RB99 and 1RB0



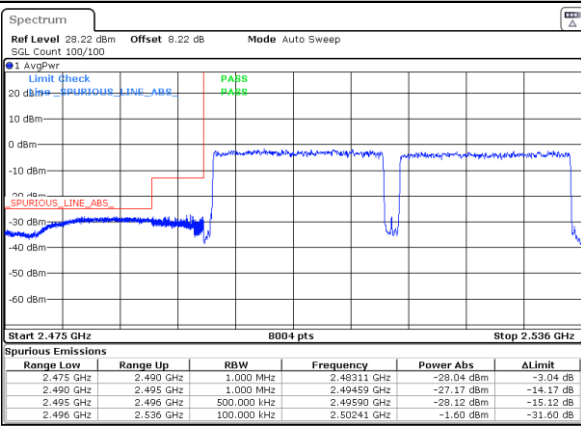
Date: 11.OCT.2022 01:11:57

Highest Band Edge / 1RB99 and 1RB0



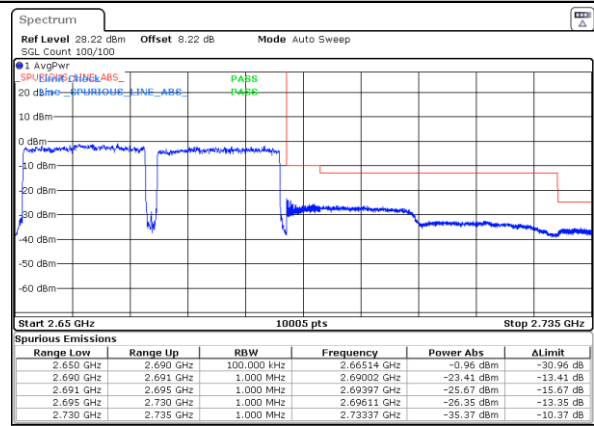
Date: 11.OCT.2022 01:22:31

Lowest Band Edge / Full RB



Date: 11.OCT.2022 01:16:59

Highest Band Edge / Full RB



Date: 11.OCT.2022 01:27:23

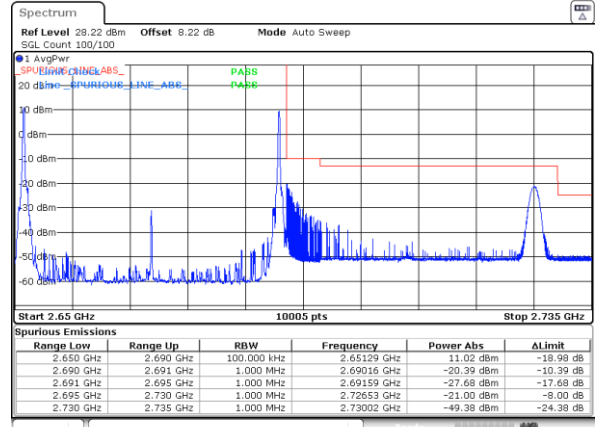
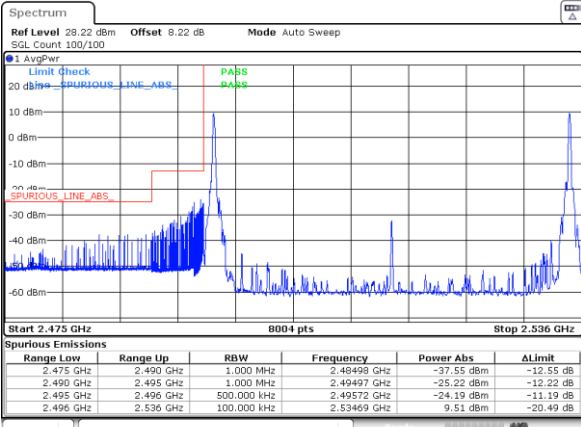


LTE Band 41C / 20MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

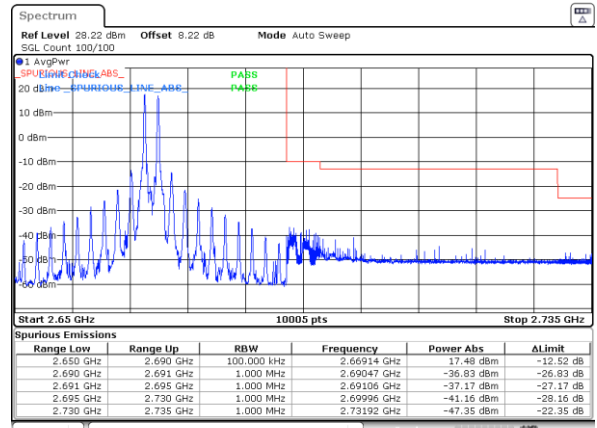
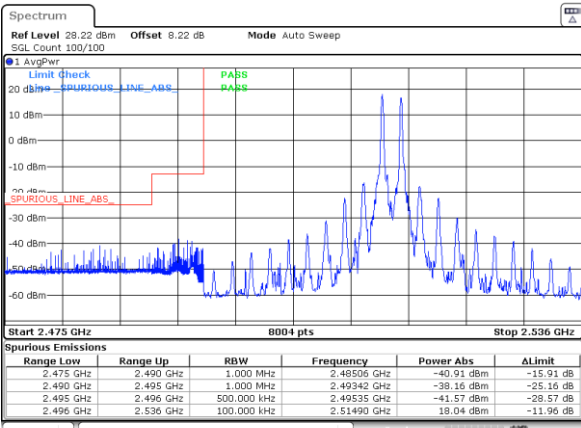


Date: 11.OCT.2022 01:15:18

Date: 11.OCT.2022 01:25:46

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

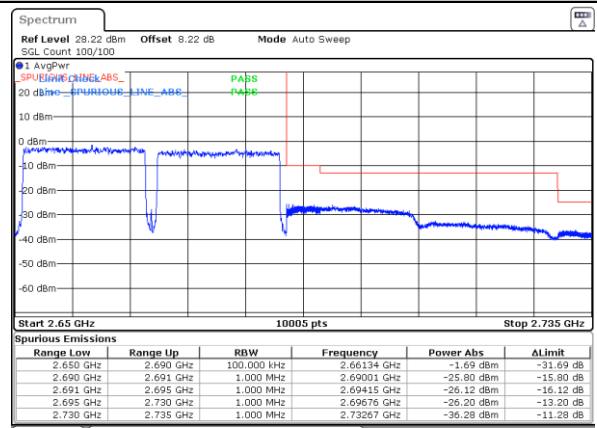
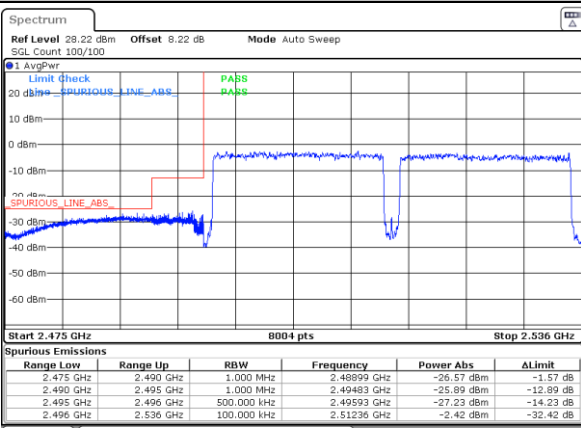


Date: 11.OCT.2022 01:12:47

Date: 11.OCT.2022 01:23:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.OCT.2022 01:17:49

Date: 11.OCT.2022 01:28:12

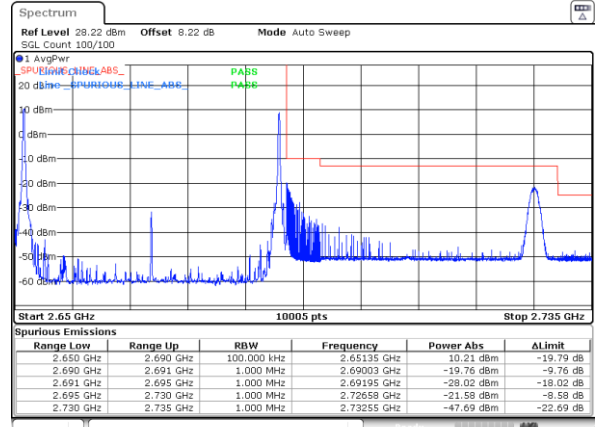
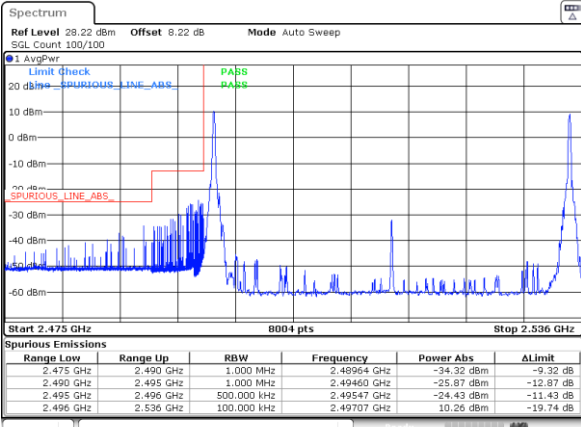


LTE Band 41C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

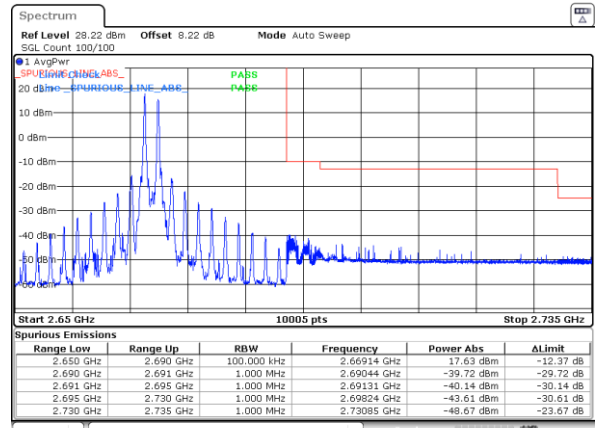
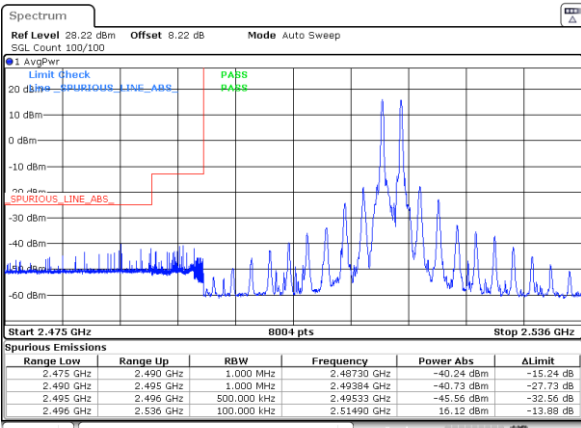


Date: 11.OCT.2022 01:14:28

Date: 11.OCT.2022 01:24:57

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

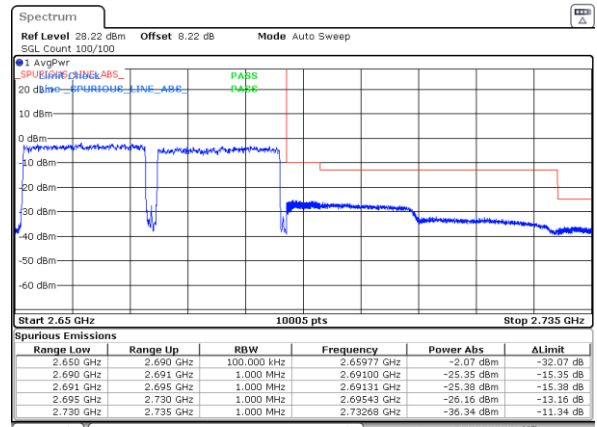
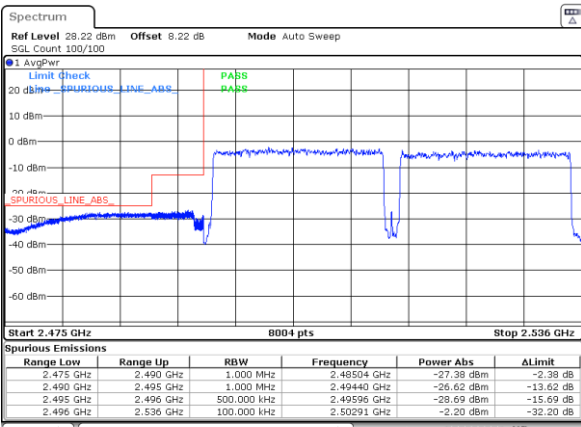


Date: 11.OCT.2022 01:13:57

Date: 11.OCT.2022 01:24:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.OCT.2022 01:18:38

Date: 11.OCT.2022 01:29:00

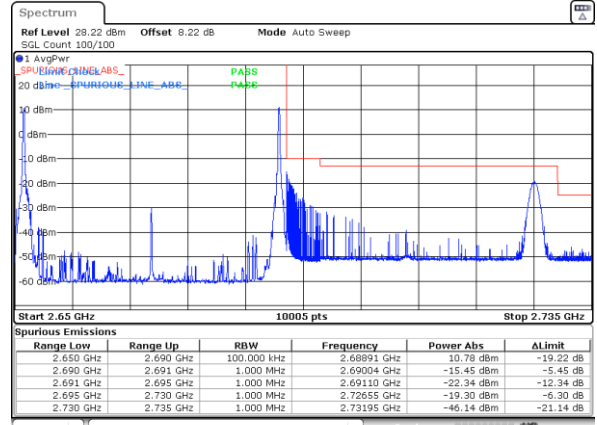
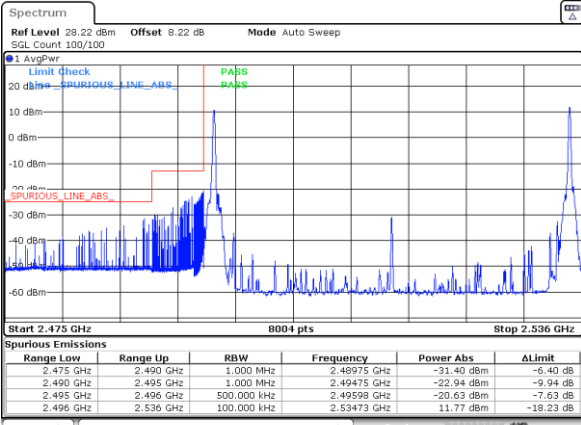


LTE Band 41C / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

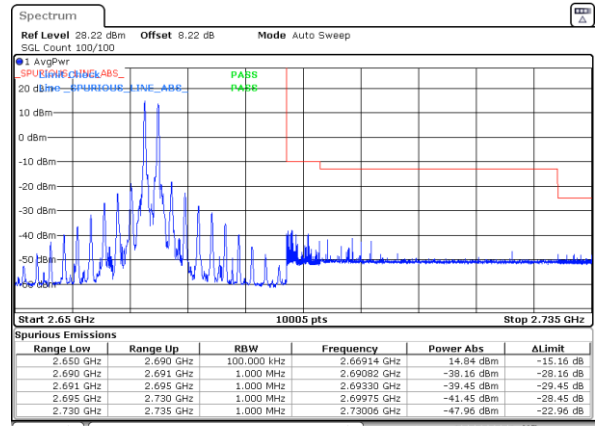
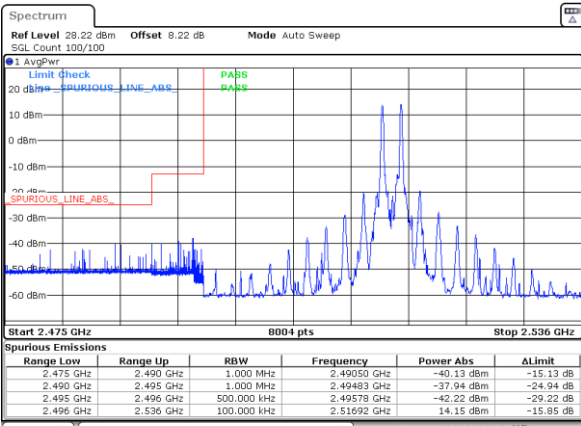


Date: 25.OCT.2022 05:33:18

Date: 25.OCT.2022 05:36:10

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

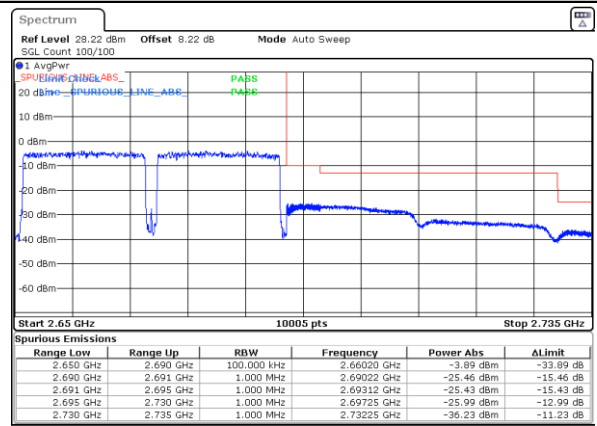
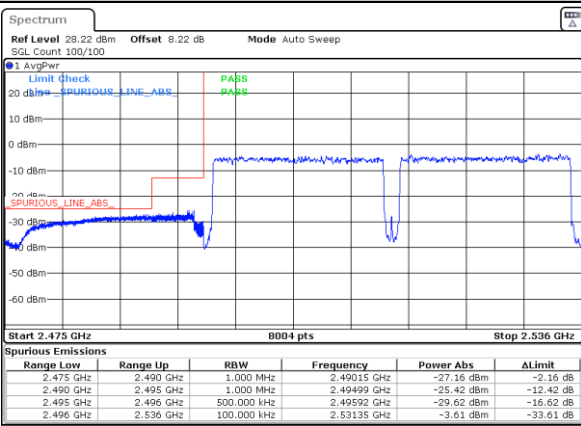


Date: 25.OCT.2022 05:32:58

Date: 25.OCT.2022 05:36:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.OCT.2022 05:34:16

Date: 25.OCT.2022 05:35:21

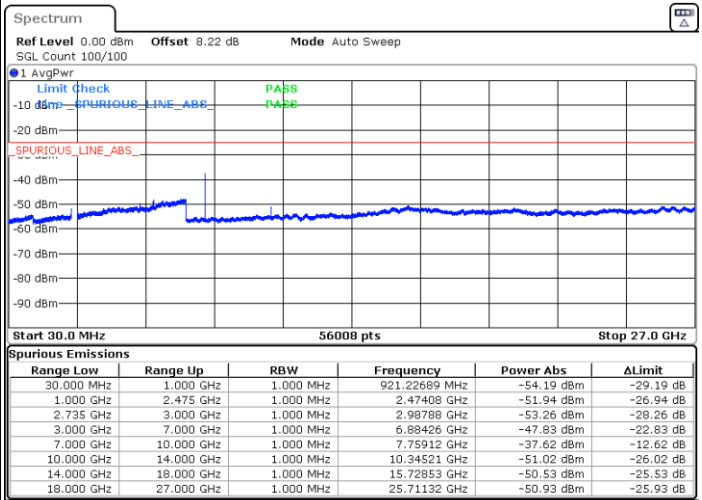
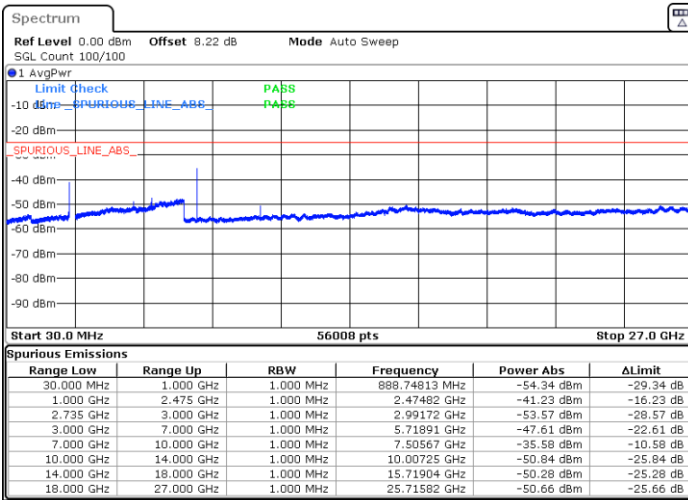


Conducted Spurious Emission

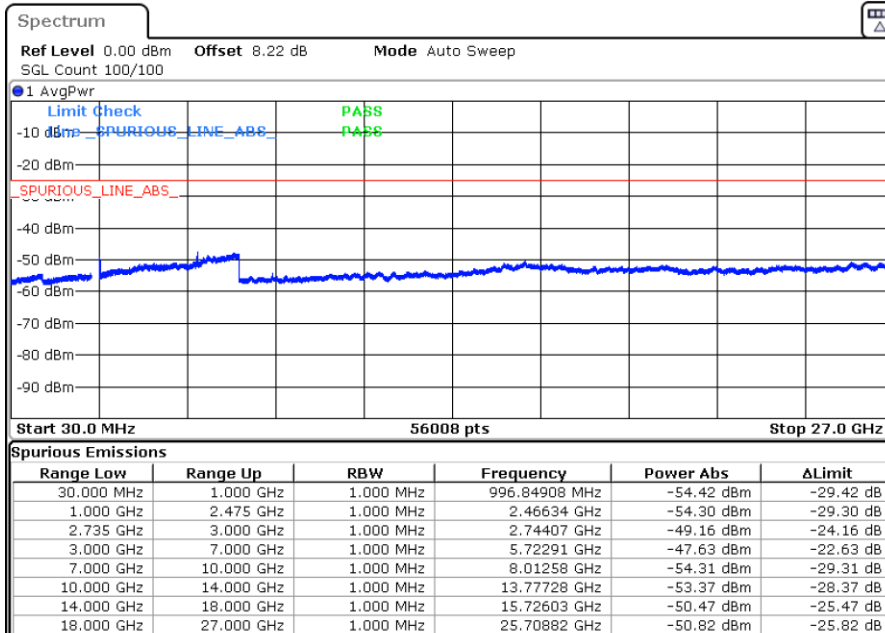
LTE Band 41C / 5MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

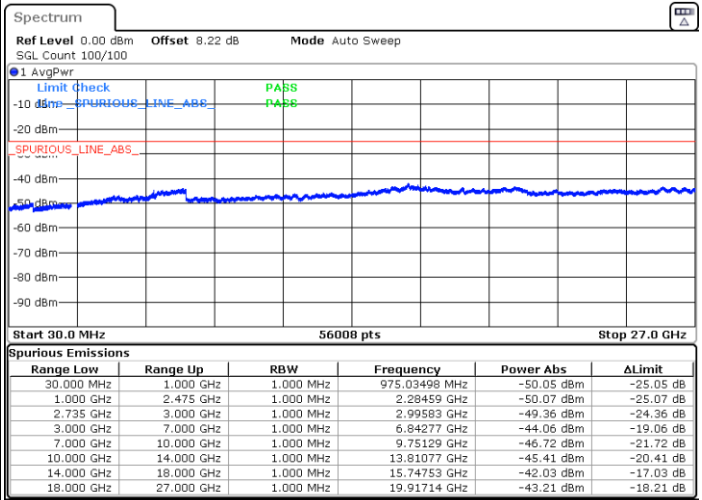
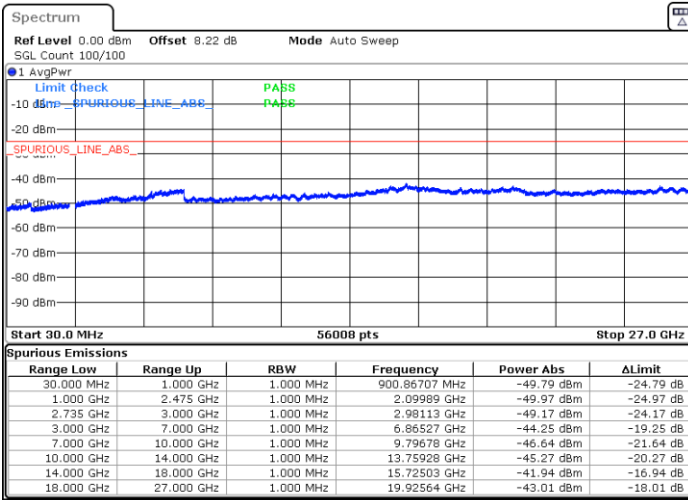




LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

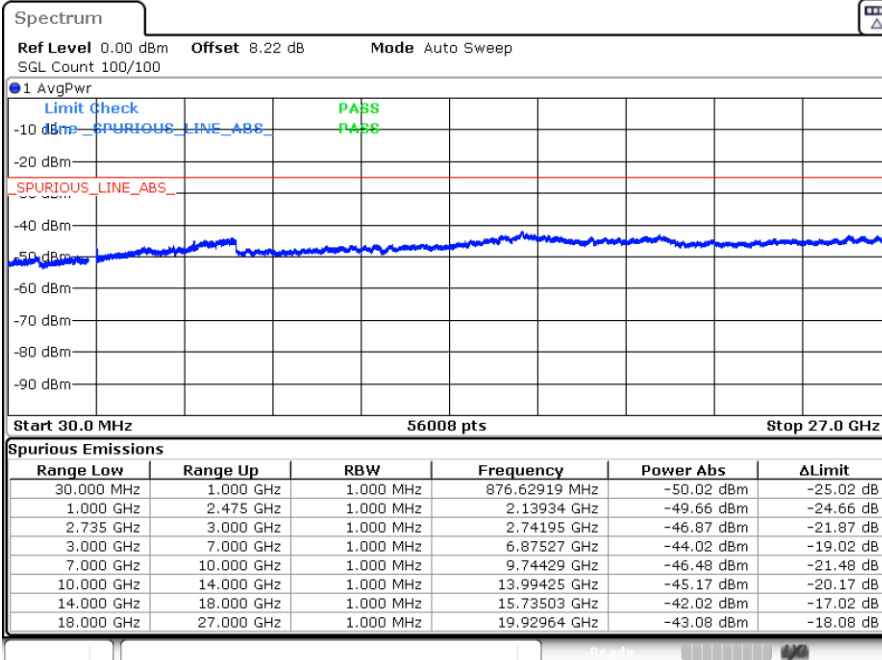
Middle Channel / QPSK



Date: 10.OCT.2022 17:34:40

Date: 10.OCT.2022 17:36:12

Highest Channel / QPSK



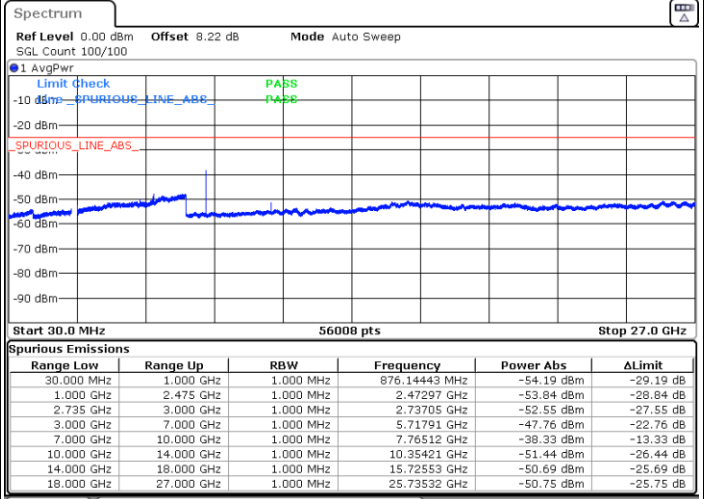
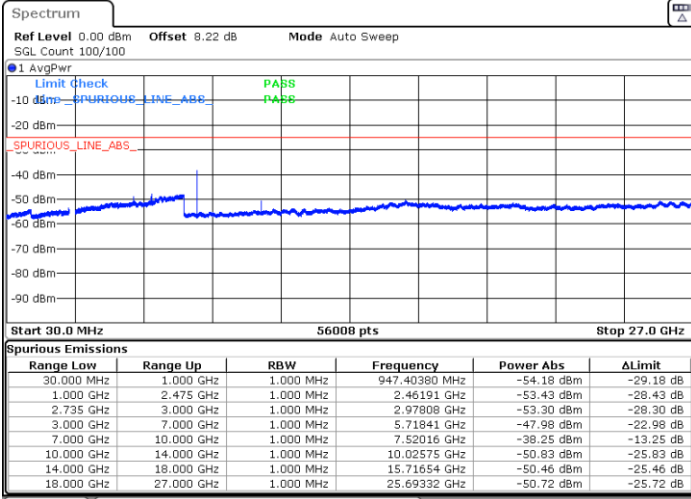
Date: 10.OCT.2022 17:37:44



LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

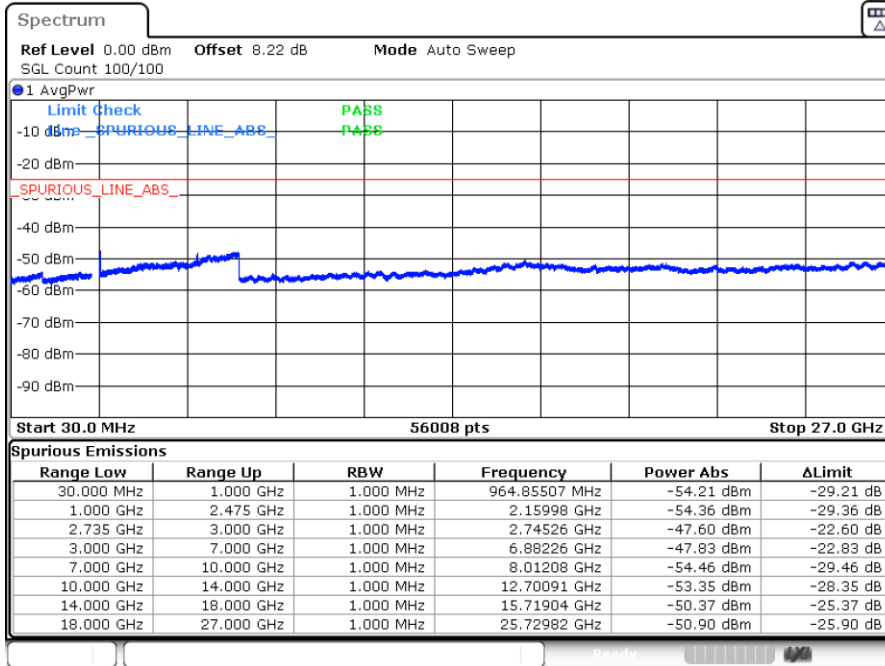
Middle Channel / QPSK



Date: 10.OCT.2022 17:01:09

Date: 10.OCT.2022 17:02:41

Highest Channel / QPSK



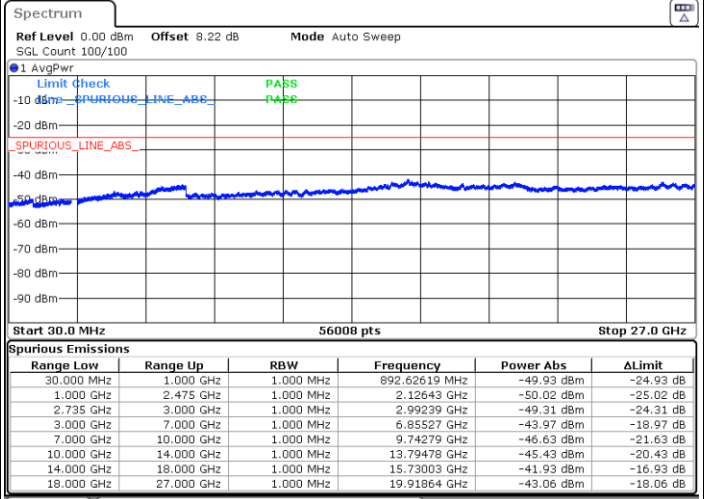
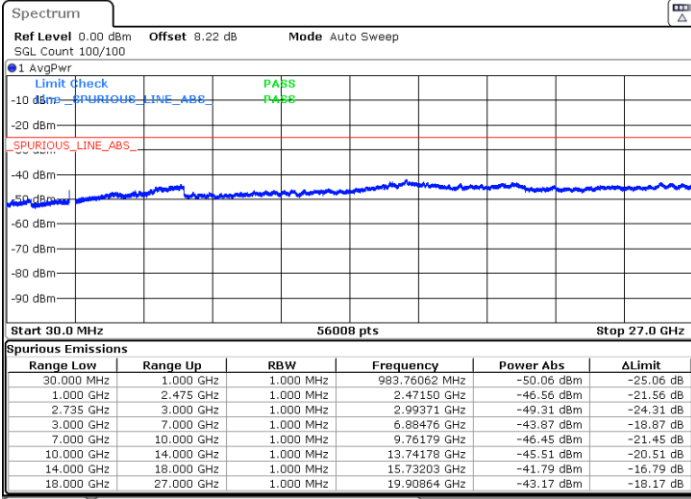
Date: 10.OCT.2022 17:04:13



LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

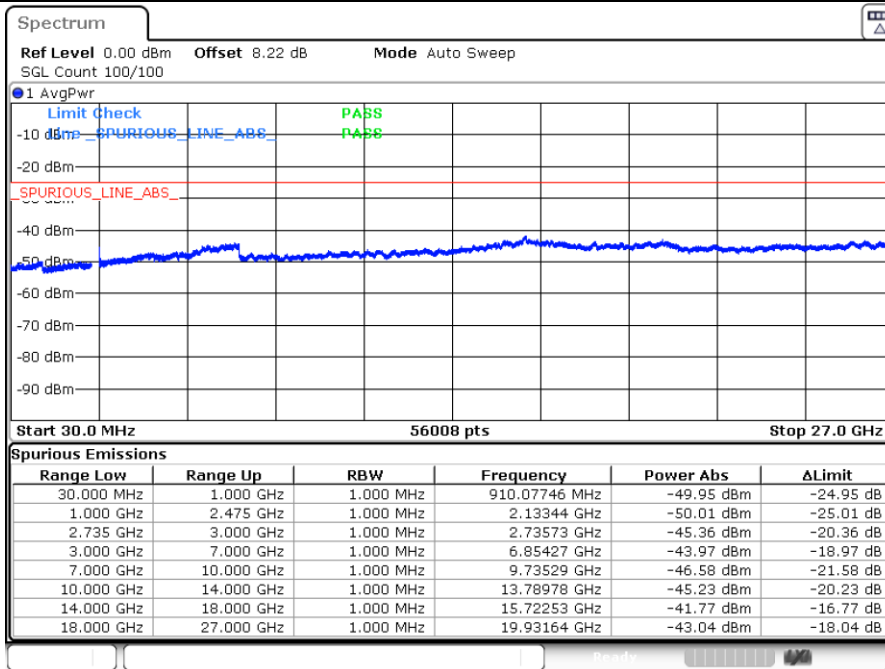
Middle Channel / QPSK



Date: 10.OCT.2022 20:28:25

Date: 10.OCT.2022 20:29:57

Highest Channel / QPSK



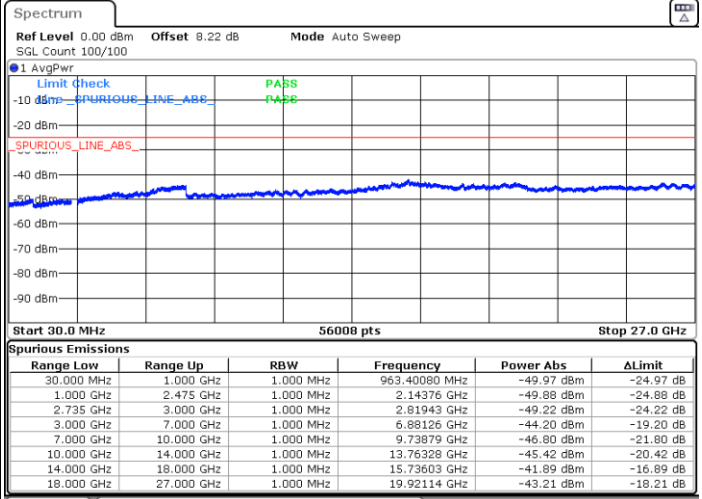
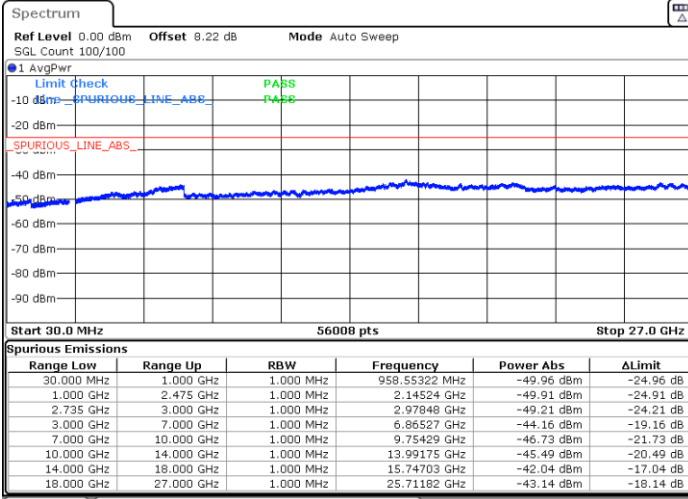
Date: 10.OCT.2022 20:31:29



LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

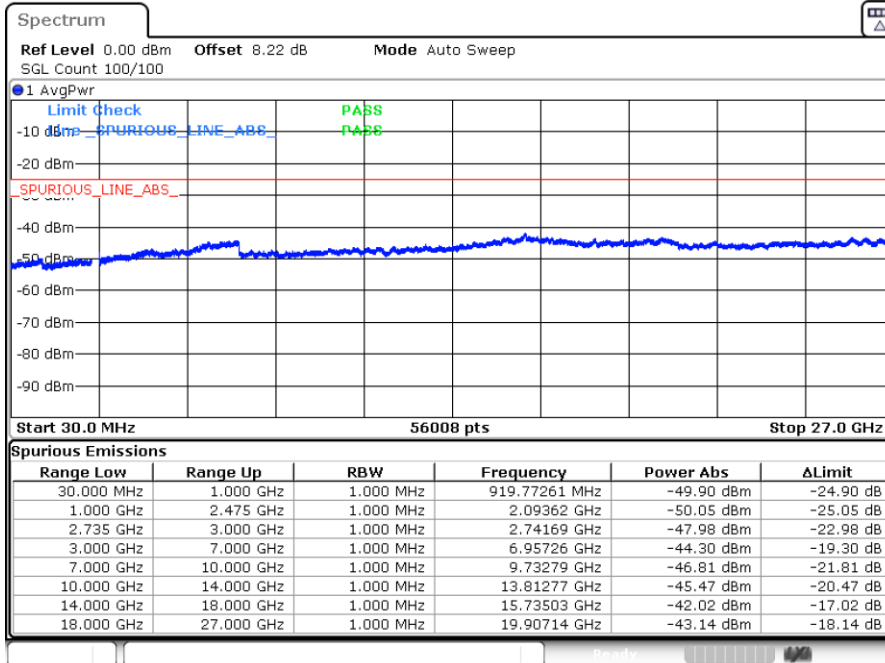
Middle Channel / QPSK



Date: 10.OCT.2022 19:12:05

Date: 10.OCT.2022 19:13:37

Highest Channel / QPSK



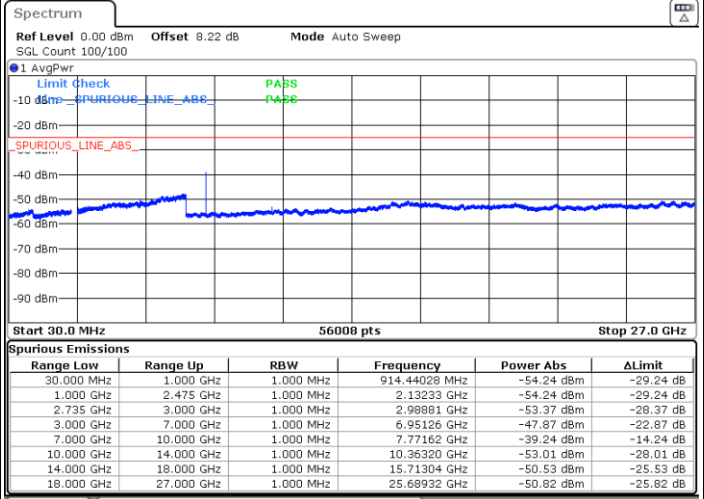
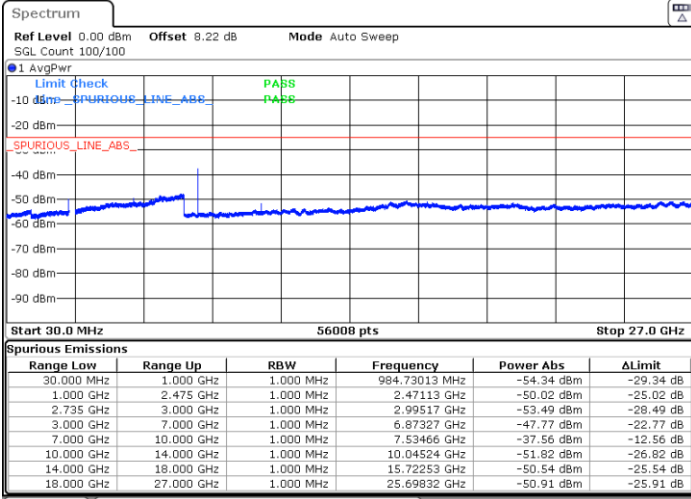
Date: 10.OCT.2022 19:15:10



LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

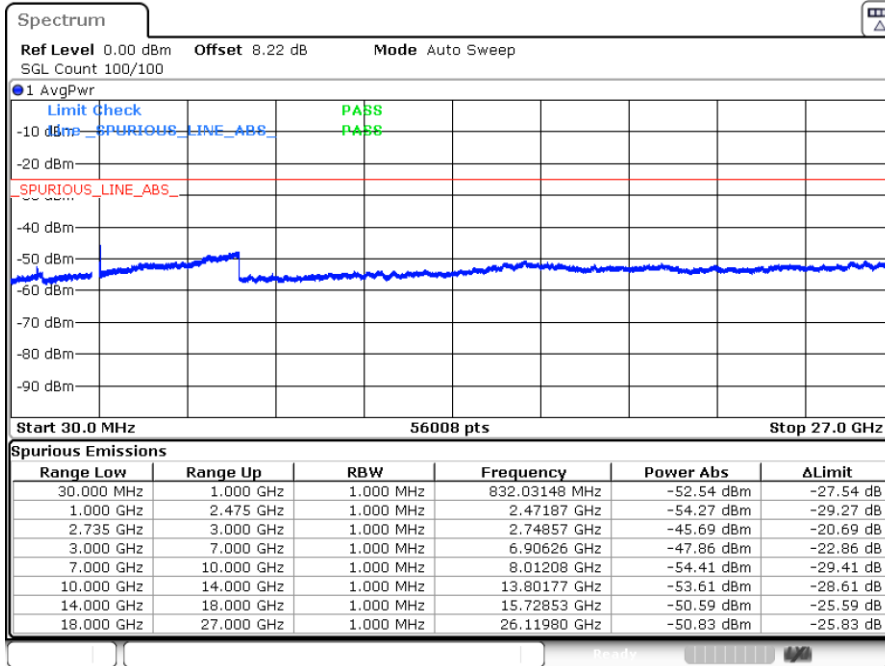
Middle Channel / QPSK



Date: 10.OCT.2022 21:00:13

Date: 10.OCT.2022 21:01:45

Highest Channel / QPSK



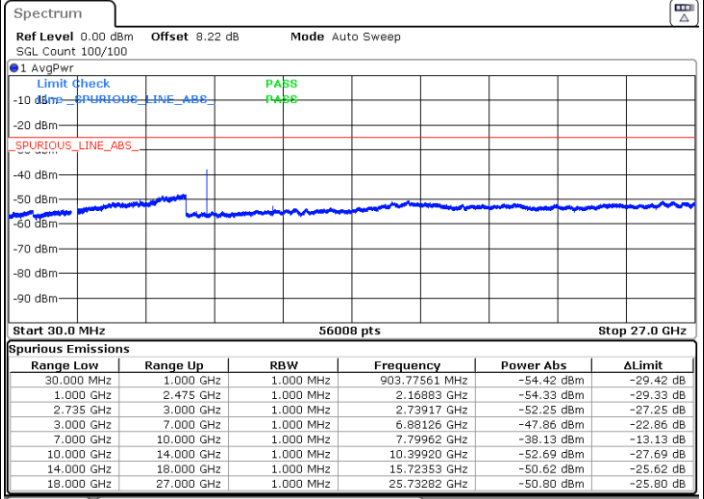
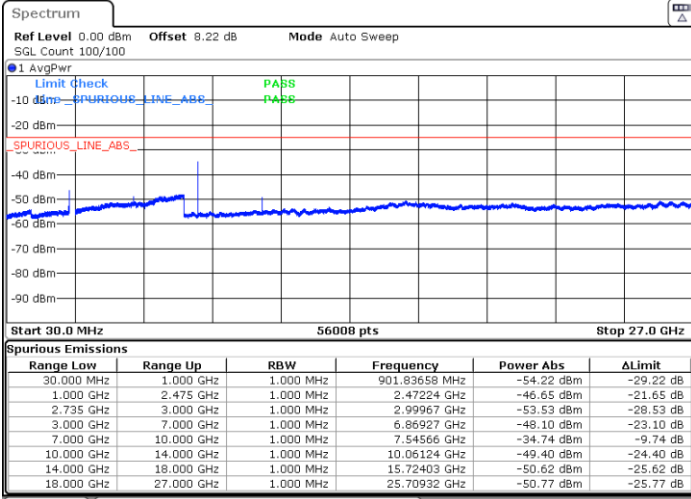
Date: 10.OCT.2022 21:03:17



LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

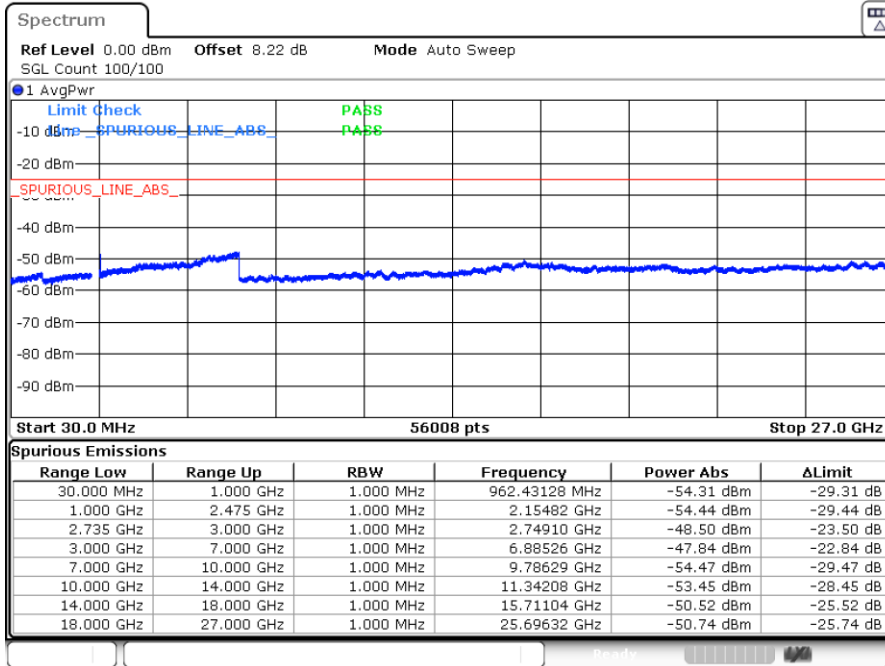
Middle Channel / QPSK



Date: 10.OCT.2022 21:51:28

Date: 10.OCT.2022 22:07:51

Highest Channel / QPSK



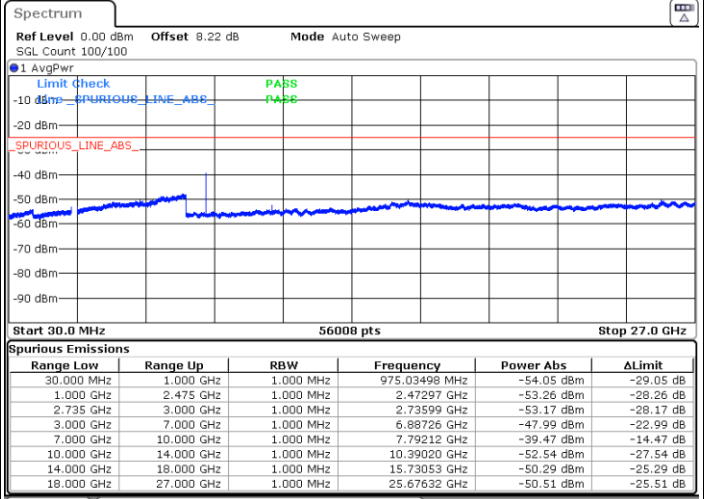
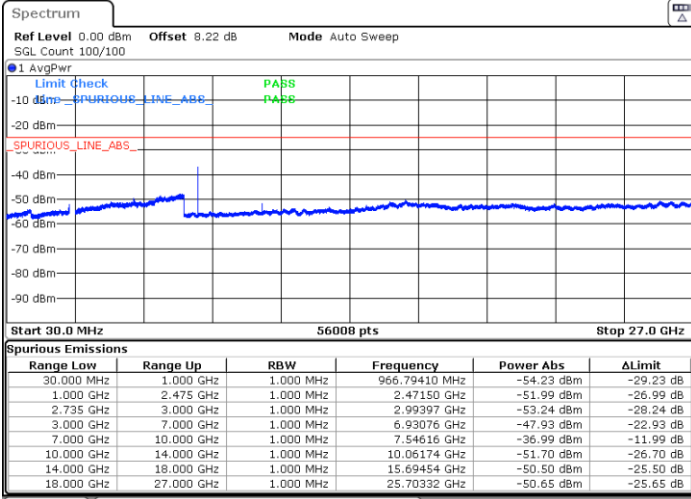
Date: 10.OCT.2022 22:09:23



LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

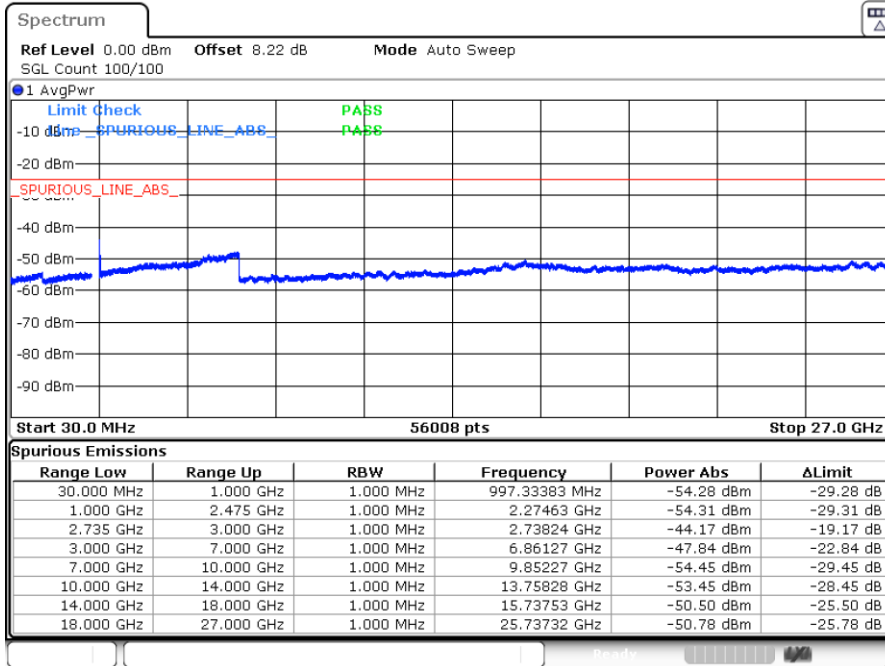
Middle Channel / QPSK



Date: 10.OCT.2022 22:27:37

Date: 10.OCT.2022 22:48:46

Highest Channel / QPSK



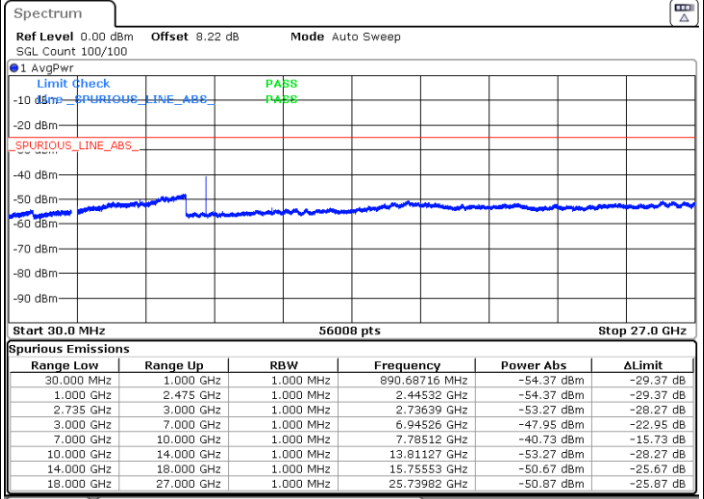
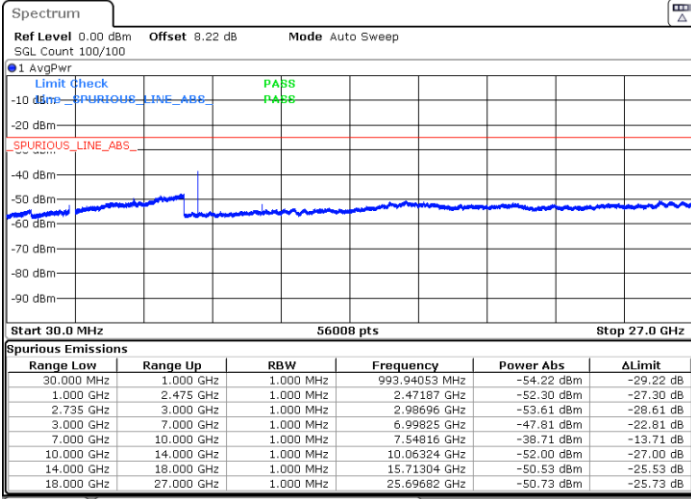
Date: 10.OCT.2022 22:50:18



LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

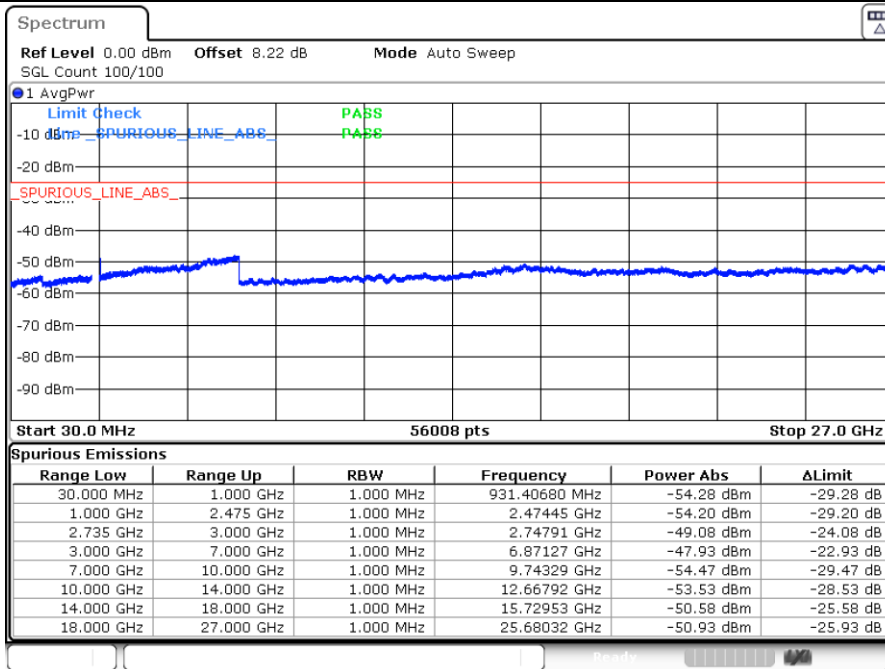
Middle Channel / QPSK



Date: 10.OCT.2022 23:54:34

Date: 11.OCT.2022 00:03:39

Highest Channel / QPSK



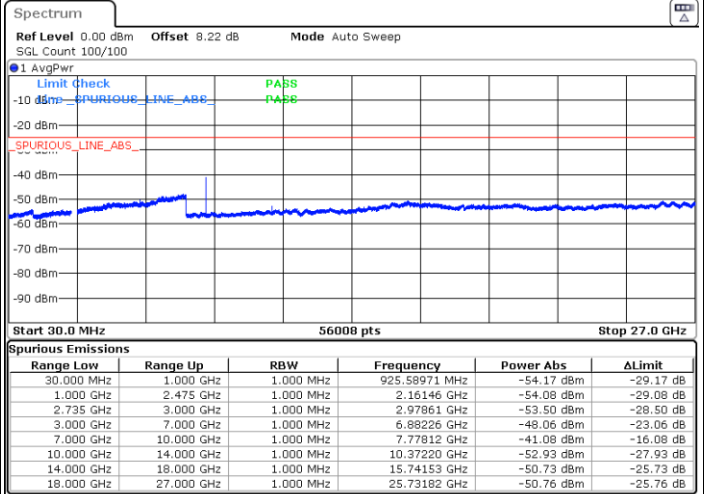
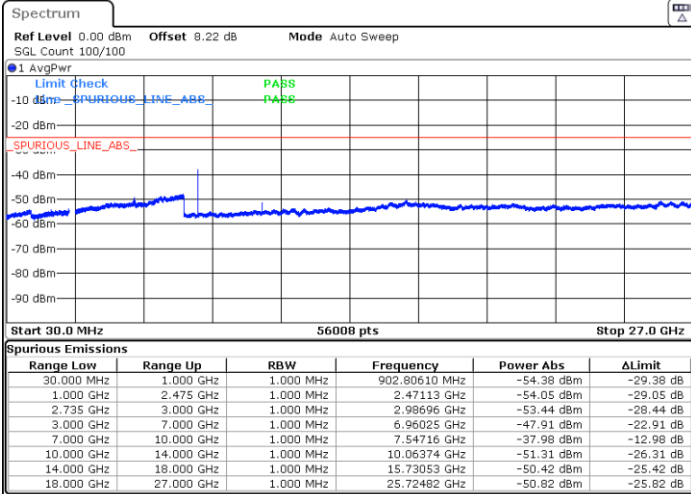
Date: 11.OCT.2022 00:05:10



LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

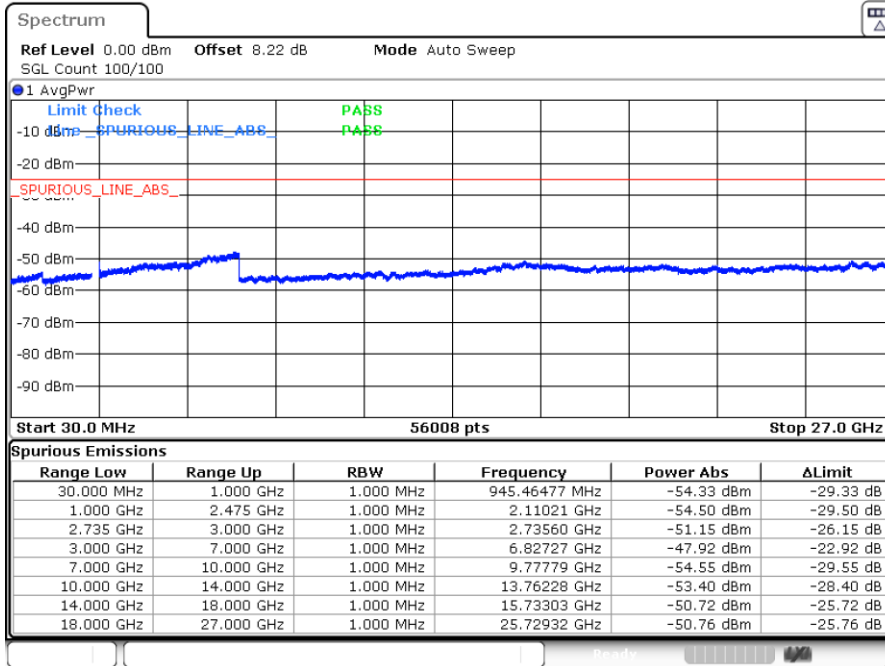
Middle Channel / QPSK



Date: 11.OCT.2022 01:11:07

Date: 11.OCT.2022 01:20:10

Highest Channel / QPSK



Date: 11.OCT.2022 01:21:42



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	0.0031	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0026	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 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 :	Kuang Jia	Temperature :	22~25°C
		Relative Humidity :	48~52%

Pre-scanned harmonic for all the supported antennas, choose the worst antenna perform final test and record in the report.

LTE Band 7 / 20MHz / QPSK (ANT5)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052.18	-61.36	-25	-36.36	-78.78	-66.92	7.14	12.70	H
	7578.27	-56.65	-25	-31.65	-78.81	-59.95	8.30	11.60	H
	10104.36	-53.81	-25	-28.81	-80.70	-55.33	10.48	12.00	H
	5052.18	-61.34	-25	-36.34	-78.69	-66.90	7.14	12.70	V
	7578.27	-56.71	-25	-31.71	-78.67	-60.01	8.30	11.60	V
	10104.36	-54.06	-25	-29.06	-80.46	-55.58	10.48	12.00	V

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

LTE Band 41 / 20MHz / QPSK (ANT1)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168.00	-61.73	-25	-36.73	-79.00	-67.29	7.14	12.70	H
	7752.00	-55.93	-25	-30.93	-78.50	-59.23	8.30	11.60	H
	10336.00	-52.63	-25	-27.63	-79.44	-54.15	10.48	12.00	H
	5168.00	-61.65	-25	-36.65	-78.87	-67.21	7.14	12.70	V
	7752.00	-55.91	-25	-30.91	-78.45	-59.21	8.30	11.60	V
	10336.00	-53.13	-25	-28.13	-79.71	-54.65	10.48	12.00	V

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



EN-DC_38A_n78A / LTE 20MHz + NR 100MHz / QPSK / ANT5(LTE) & ANT2(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n78 Middle	7002.32	-60.54	-30	-30.54	-60.72	-63.84	8.30	11.60	H
	10503.48	-53.46	-30	-23.46	-60.17	-54.98	10.48	12.00	H
	14004.64	-53.35	-30	-23.35	-65.39	-55.05	11.80	13.50	H
	7002.32	-60.54	-30	-30.54	-60.93	-63.84	8.30	11.60	V
	10503.48	-53.32	-30	-23.32	-59.98	-54.84	10.48	12.00	V
	14004.64	-52.95	-30	-22.95	-64.60	-54.65	11.80	13.50	V
LTE Band38 Middle	5172.00	-61.95	-25	-36.95	-59.43	-67.51	7.14	12.70	H
	7758.00	-58.31	-25	-33.31	-60.70	-61.61	8.30	11.60	H
	10344.00	-56.01	-25	-31.01	-62.99	-57.53	10.48	12.00	H
	5172.00	-62.19	-25	-37.19	-59.62	-67.75	7.14	12.70	V
	7758.00	-57.13	-25	-32.13	-59.49	-60.43	8.30	11.60	V
	10344.00	-55.80	-25	-30.80	-62.56	-57.32	10.48	12.00	V

LTE Band 7C_CA / 20MHz+20MHz / QPSK (ANT5)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5070.00	-60.73	-25	-35.73	-78.11	-66.29	7.14	12.70	H
	7605.00	-56.73	-25	-31.73	-78.85	-60.03	8.30	11.60	H
	10140.00	-53.11	-25	-28.11	-79.99	-54.63	10.48	12.00	H
	5070.00	-61.13	-25	-36.13	-78.44	-66.69	7.14	12.70	V
	7605.00	-56.79	-25	-31.79	-78.69	-60.09	8.30	11.60	V
	10140.00	-53.44	-25	-28.44	-79.87	-54.96	10.48	12.00	V

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

LTE Band 41C_CA / 20MHz+20MHz / QPSK (ANT1)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5186.00	-61.68	-25	-36.68	-78.96	-67.24	7.14	12.70	H
	7779.00	-55.95	-25	-30.95	-78.60	-59.25	8.30	11.60	H
	10372.00	-52.30	-25	-27.30	-79.09	-53.82	10.48	12.00	H
	5186.00	-61.69	-25	-36.69	-78.92	-67.25	7.14	12.70	V
	7779.00	-55.68	-25	-30.68	-78.33	-58.98	8.30	11.60	V
	10372.00	-52.85	-25	-27.85	-79.46	-54.37	10.48	12.00	V

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