

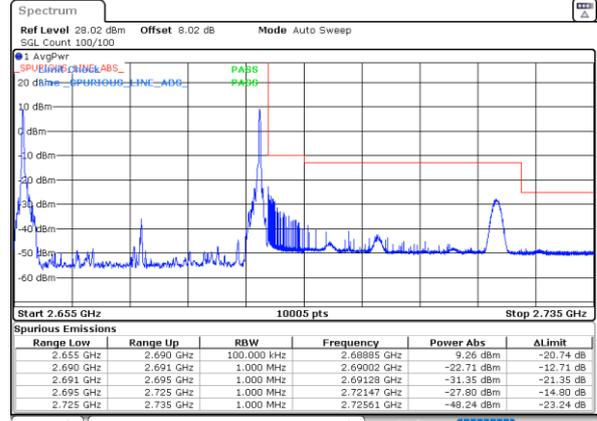
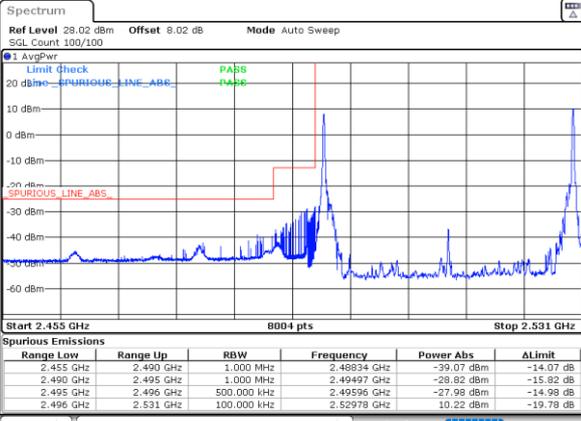


LTE Band 41C / 20MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

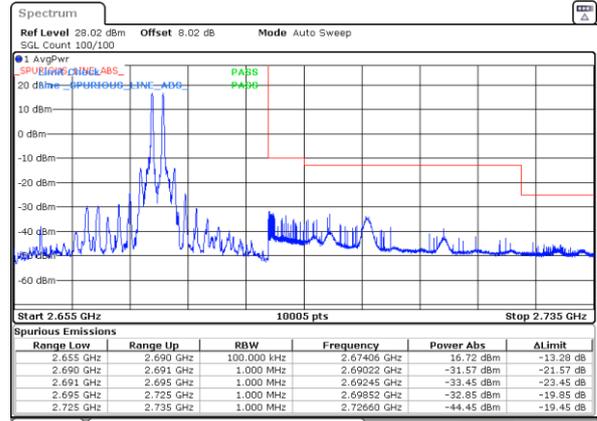
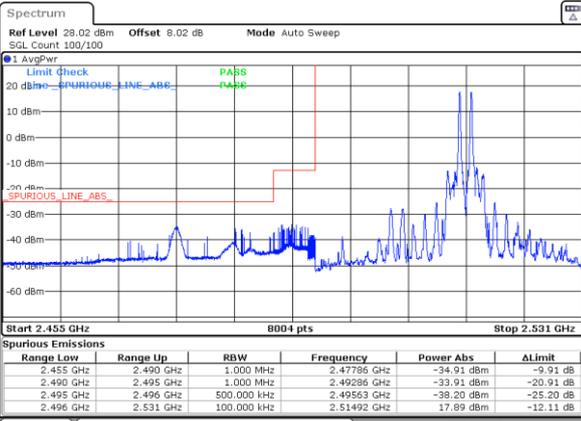


Date: 17.NOV.2024 05:05:27

Date: 17.NOV.2024 05:16:30

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

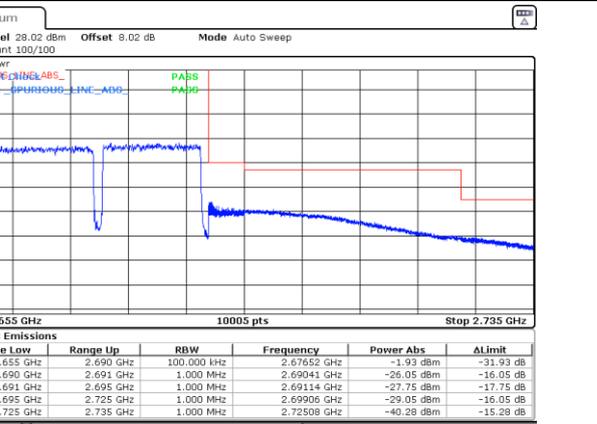
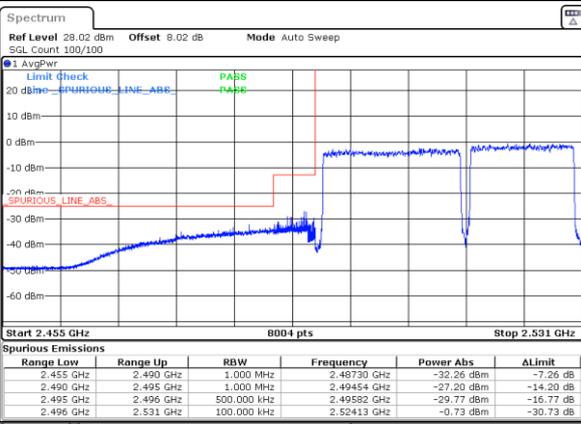


Date: 17.NOV.2024 05:02:38

Date: 17.NOV.2024 05:13:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17.NOV.2024 05:08:15

Date: 17.NOV.2024 05:19:17

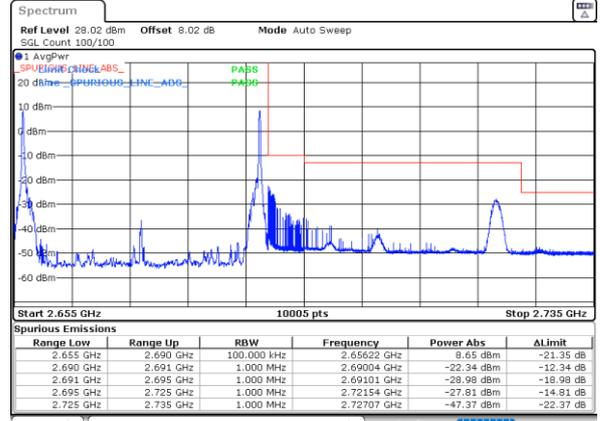
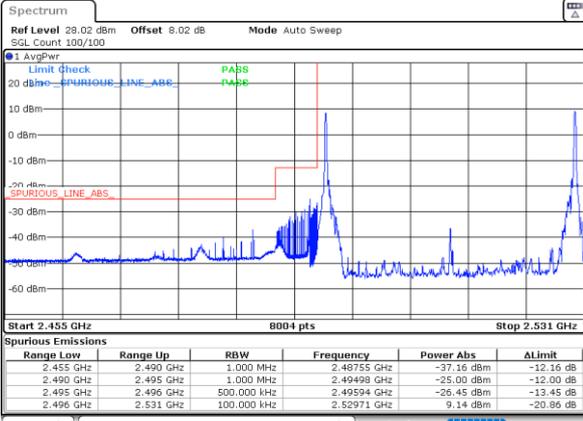


LTE Band 41C / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

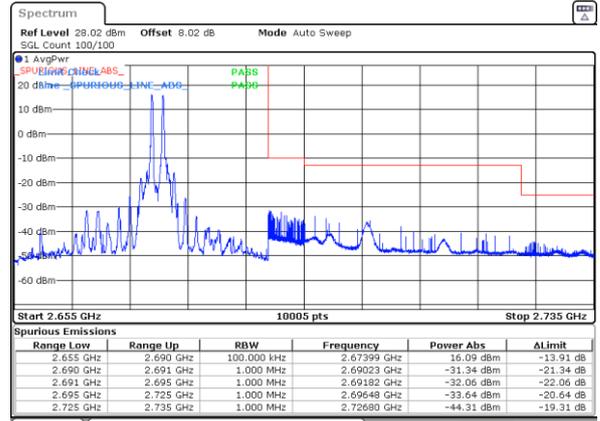
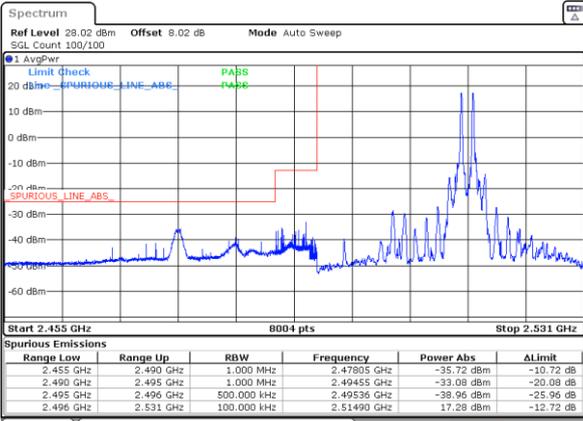


Date: 17,NOV,2024 05:06:23

Date: 17,NOV,2024 05:11:25

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

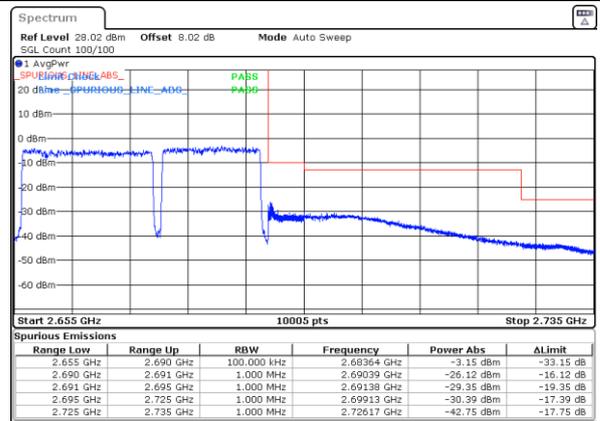
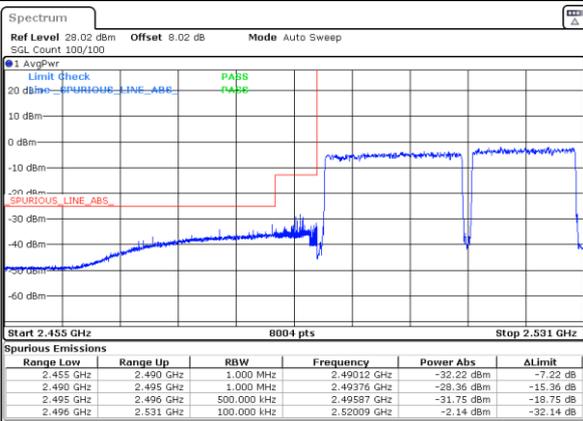


Date: 17,NOV,2024 05:03:34

Date: 17,NOV,2024 05:14:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17,NOV,2024 05:09:11

Date: 17,NOV,2024 05:20:13

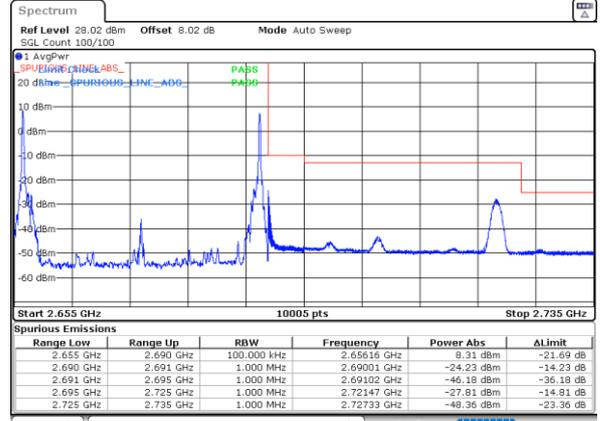
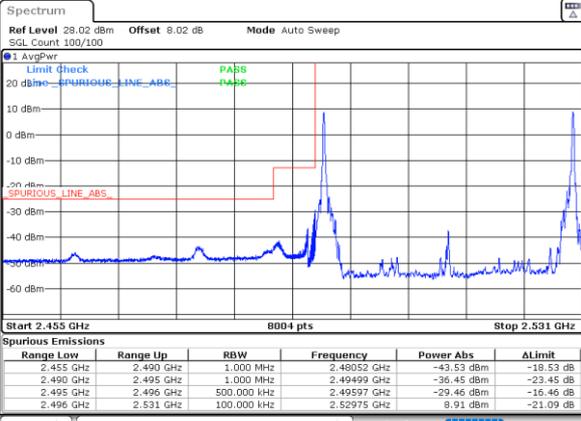


LTE Band 41C / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

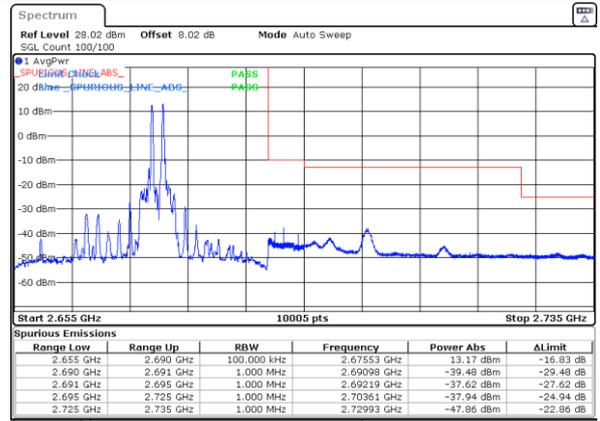
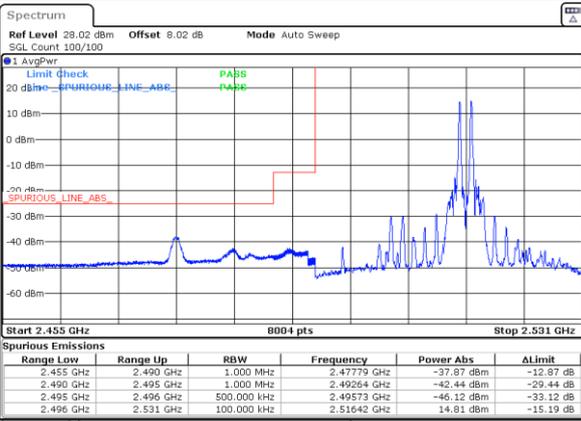


Date: 17.NOV.2024 05:07:19

Date: 17.NOV.2024 05:18:21

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

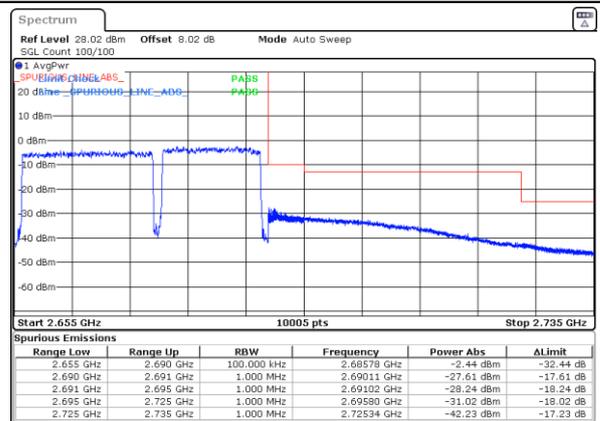
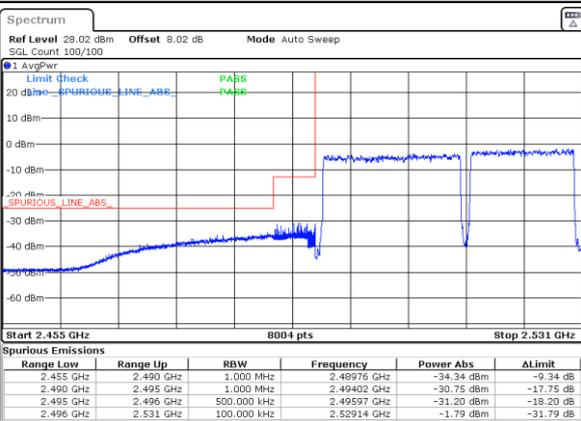


Date: 17.NOV.2024 05:04:30

Date: 17.NOV.2024 05:15:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17.NOV.2024 05:10:07

Date: 17.NOV.2024 05:21:09

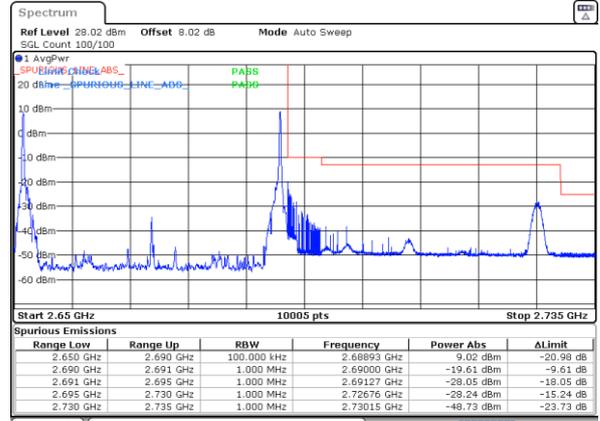
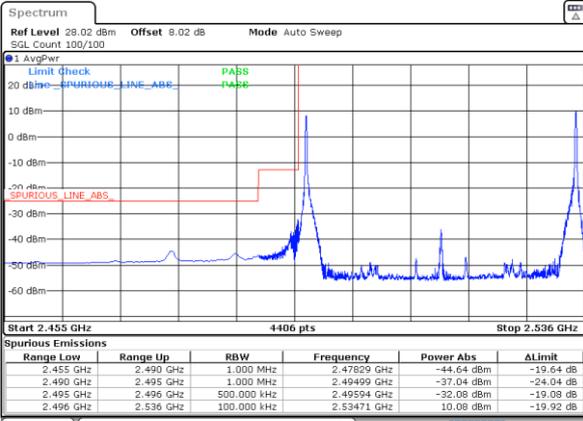


LTE Band 41C / 20MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

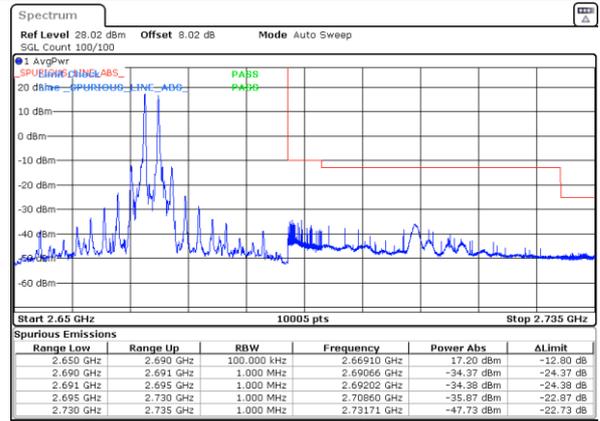
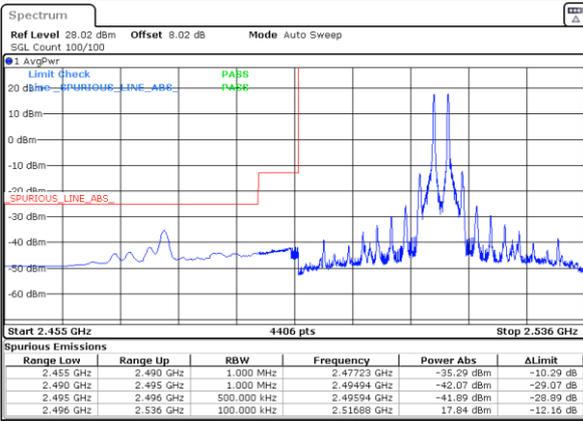


Date: 17.NOV.2024 05:25:14

Date: 17.NOV.2024 05:13:54

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

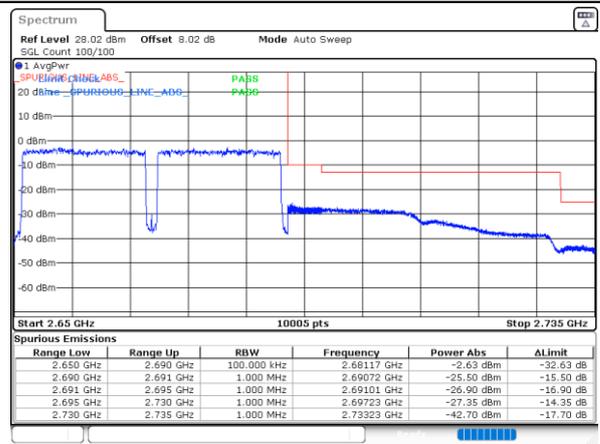
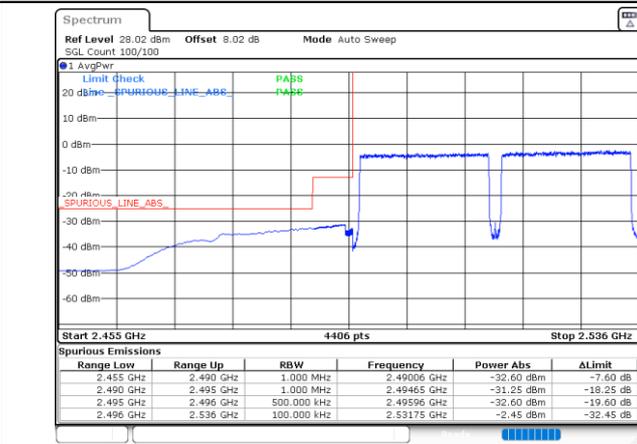


Date: 17.NOV.2024 05:23:12

Date: 17.NOV.2024 05:16:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17.NOV.2024 05:30:50

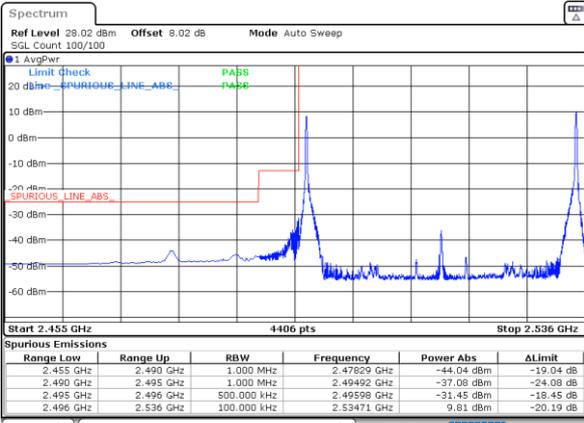
Date: 17.NOV.2024 05:41:35



LTE Band 41C / 20MHz+20MHz

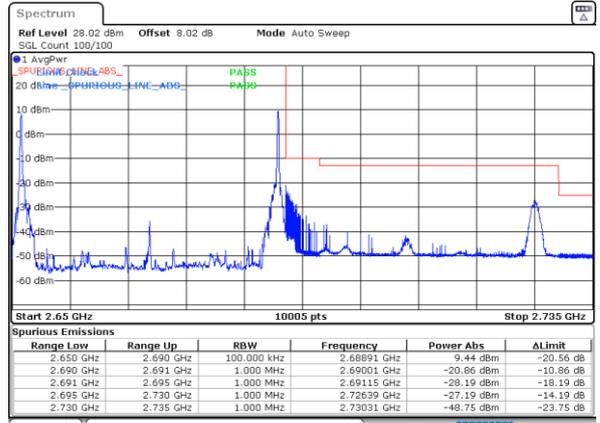
16QAM

Lowest Band Edge / 1RB0 and 1RB9



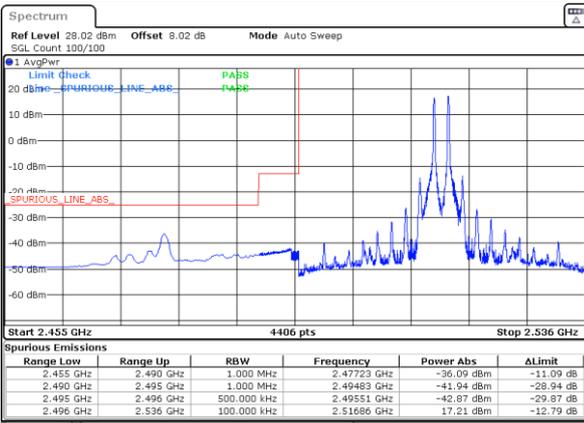
Date: 17.NOV.2024 05:16:48

Highest Band Edge / 1RB0 and 1RB9



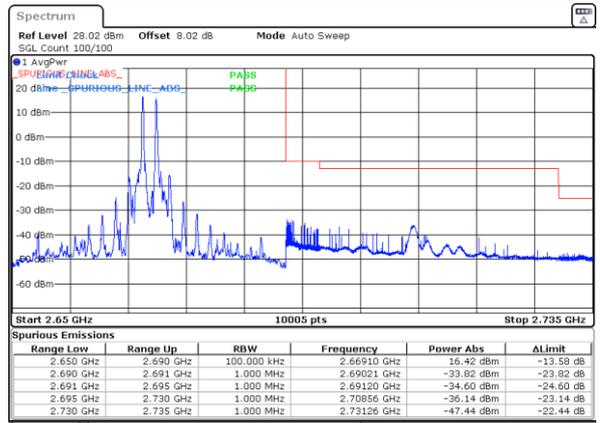
Date: 17.NOV.2024 05:19:48

Lowest Band Edge / 1RB99 and 1RB0



Date: 17.NOV.2024 05:24:06

Highest Band Edge / 1RB99 and 1RB0



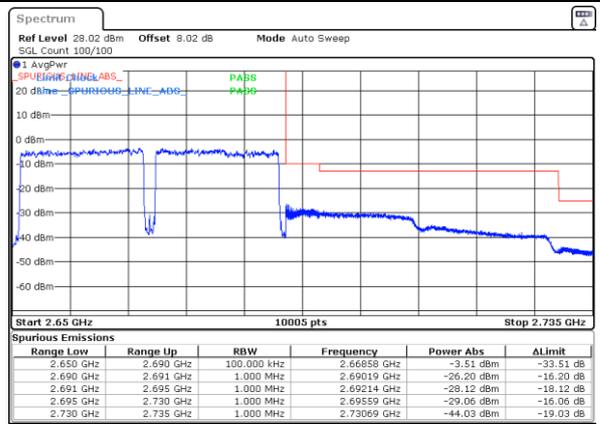
Date: 17.NOV.2024 05:17:06

Lowest Band Edge / Full RB



Date: 17.NOV.2024 05:31:44

Highest Band Edge / Full RB



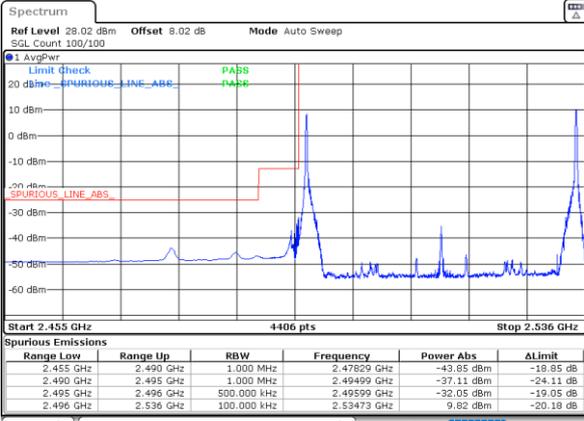
Date: 17.NOV.2024 05:14:29



LTE Band 41C / 20MHz+20MHz

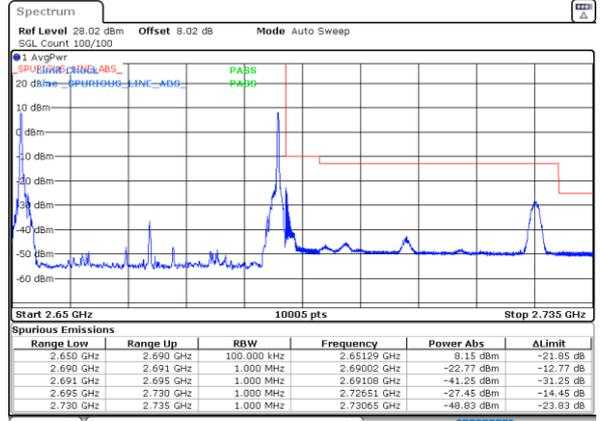
64QAM

Lowest Band Edge / 1RB0 and 1RB9



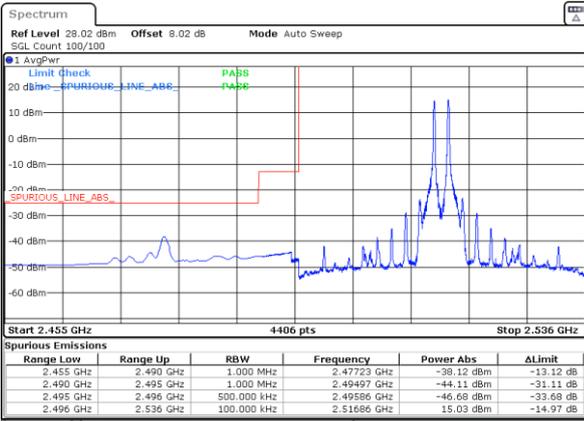
Date: 17.NOV.2024 05:27:43

Highest Band Edge / 1RB0 and 1RB9



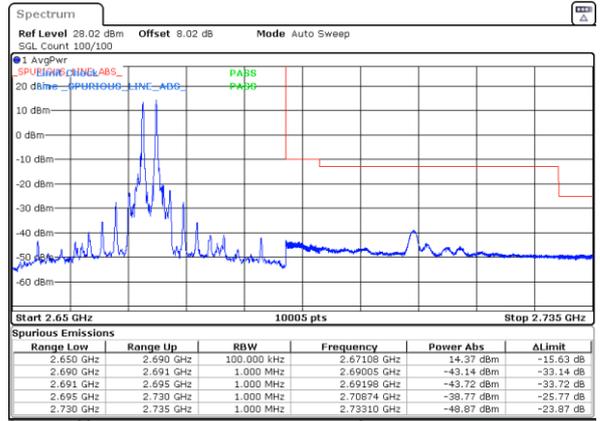
Date: 17.NOV.2024 05:40:41

Lowest Band Edge / 1RB99 and 1RB0



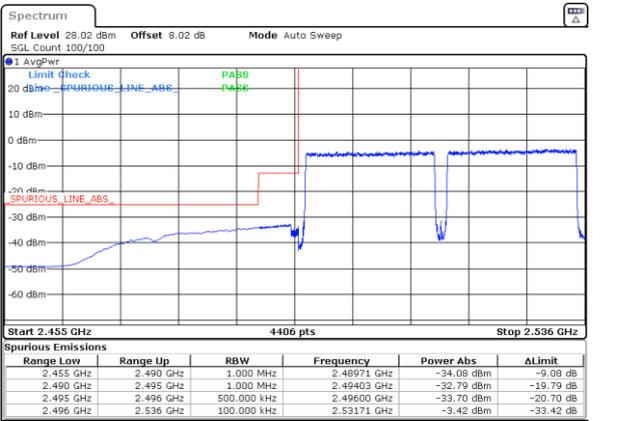
Date: 17.NOV.2024 05:25:00

Highest Band Edge / 1RB99 and 1RB0



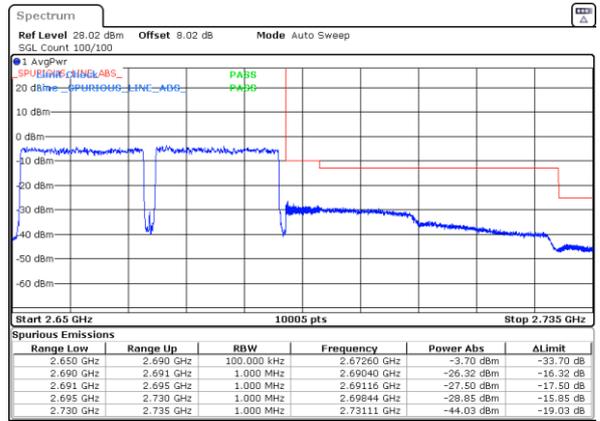
Date: 17.NOV.2024 05:38:00

Lowest Band Edge / Full RB



Date: 17.NOV.2024 05:32:38

Highest Band Edge / Full RB



Date: 17.NOV.2024 05:43:23

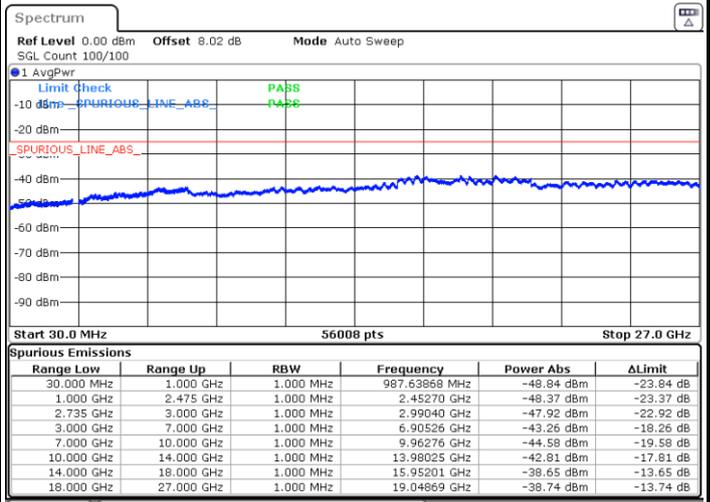
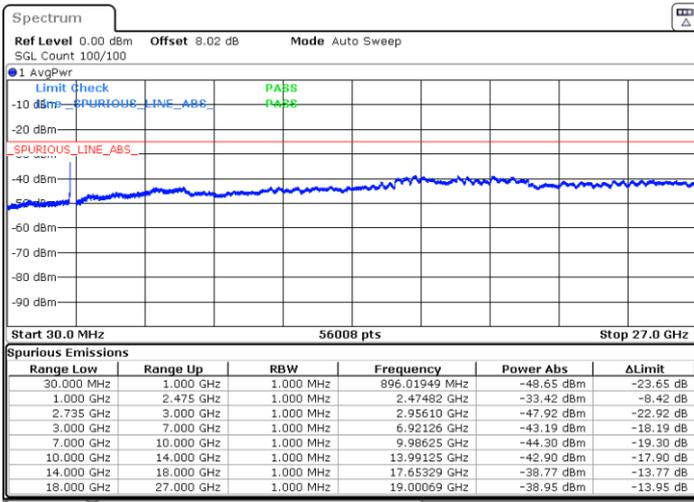


Conducted Spurious Emission

LTE Band 41C / 5MHz+20MHz

Lowest Channel / QPSK

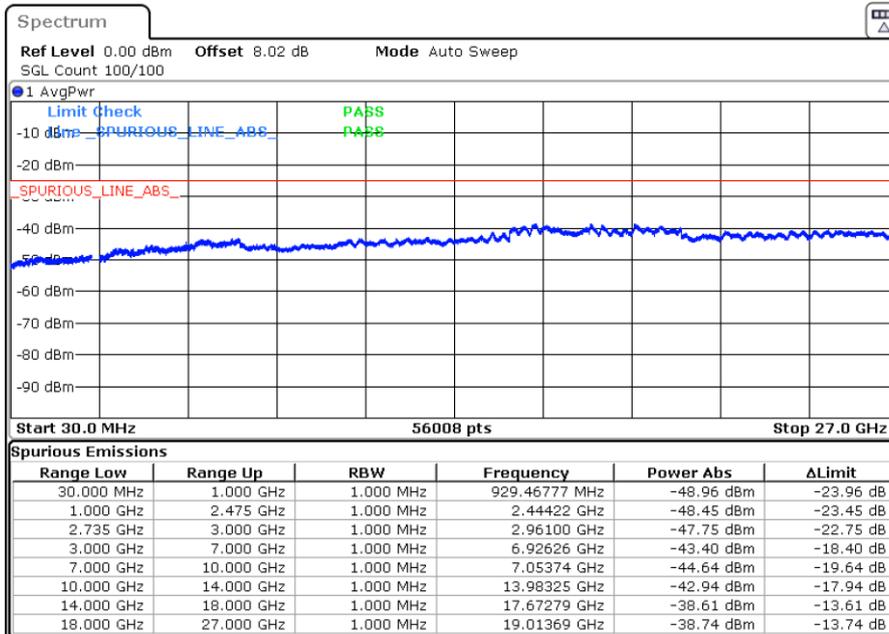
Middle Channel / QPSK



Date: 17.NOV.2024 11:04:31

Date: 17.NOV.2024 11:06:06

Highest Channel / QPSK



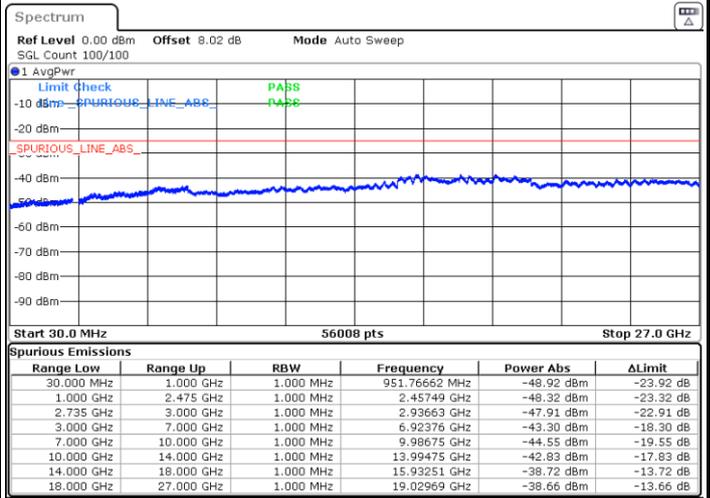
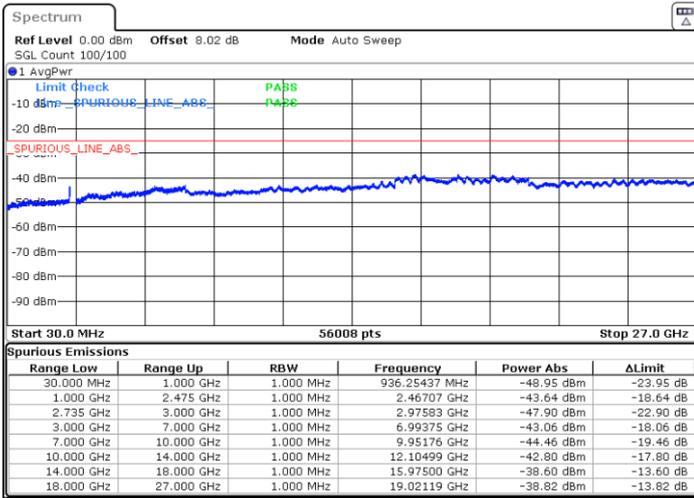
Date: 17.NOV.2024 11:07:41



LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

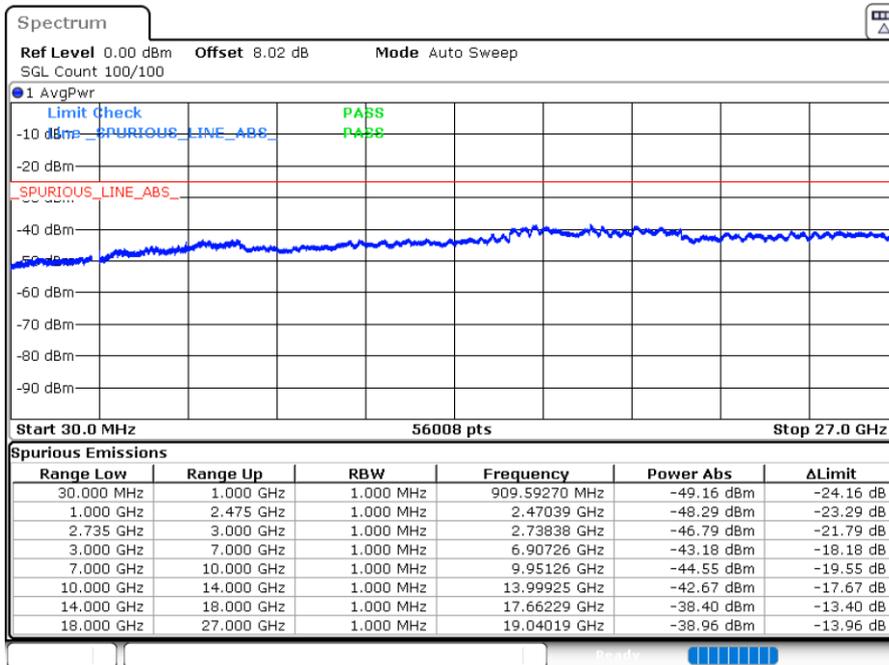
Middle Channel / QPSK



Date: 17.NOV.2024 11:09:19

Date: 17.NOV.2024 11:10:53

Highest Channel / QPSK



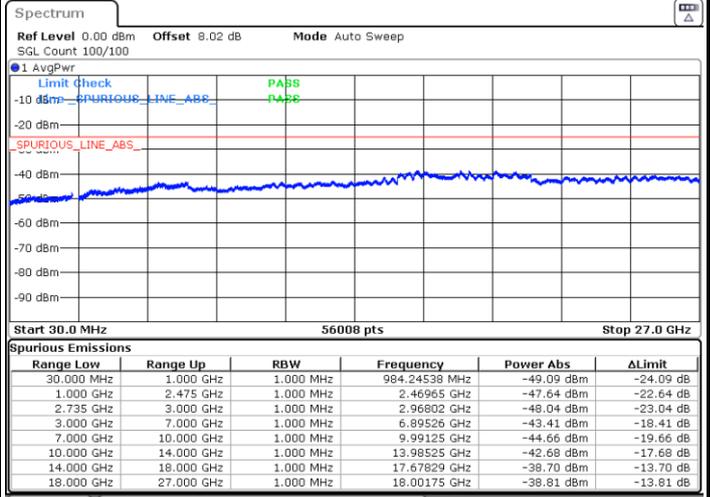
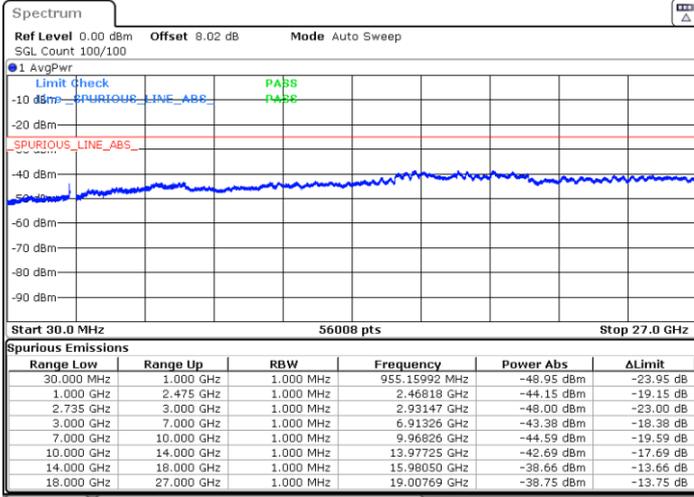
Date: 17.NOV.2024 11:12:28



LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

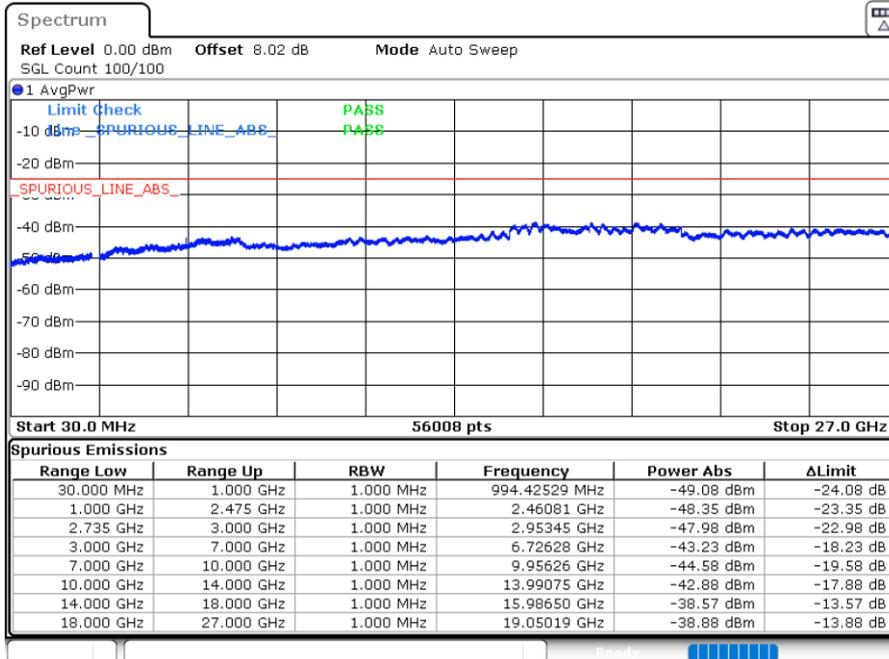
Middle Channel / QPSK



Date: 17.NOV.2024 11:14:03

Date: 17.NOV.2024 11:15:38

Highest Channel / QPSK



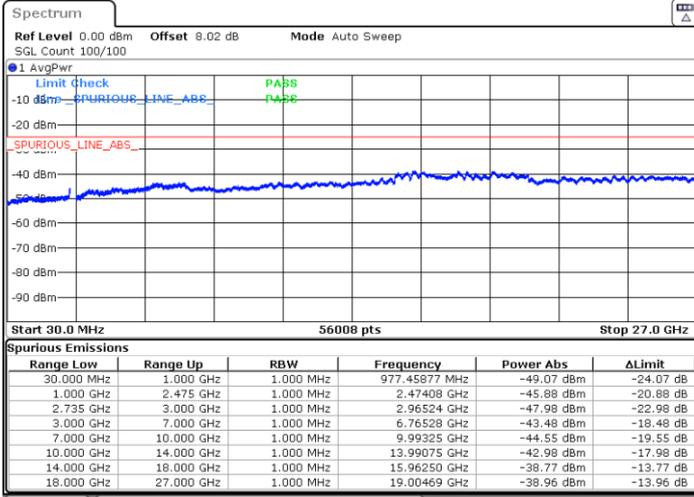
Date: 17.NOV.2024 11:17:12



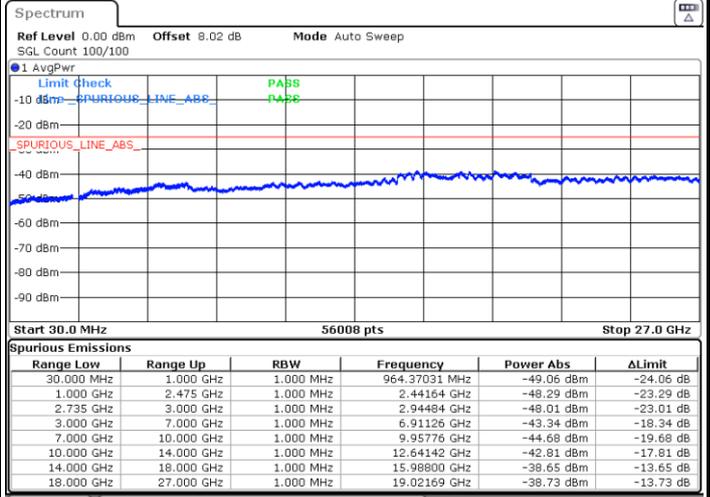
LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

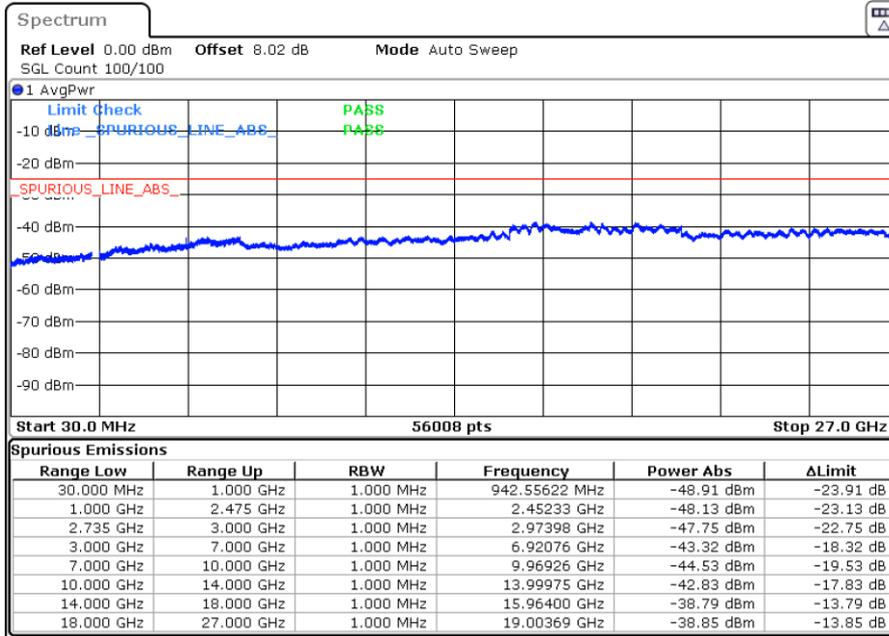


Date: 17.NOV.2024 11:18:49



Date: 17.NOV.2024 11:20:24

Highest Channel / QPSK



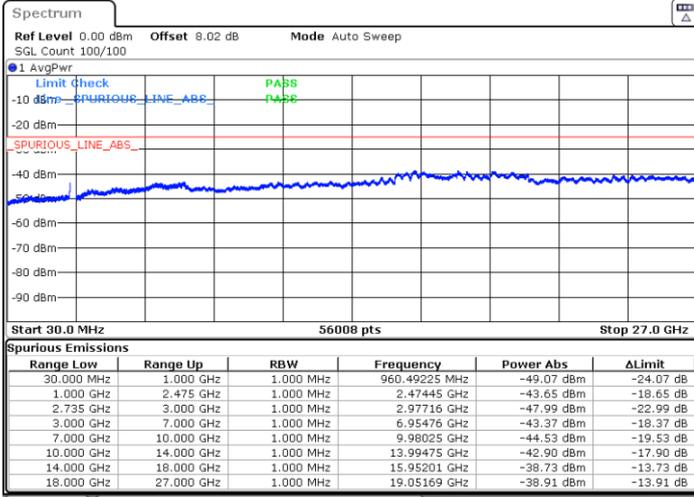
Date: 17.NOV.2024 11:21:58



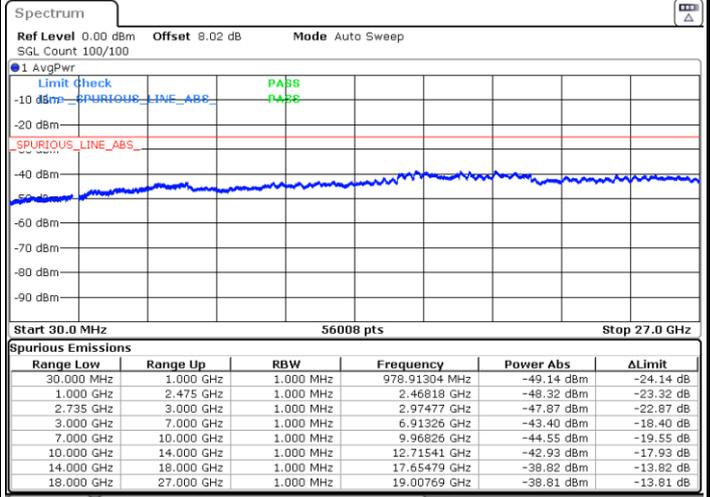
LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

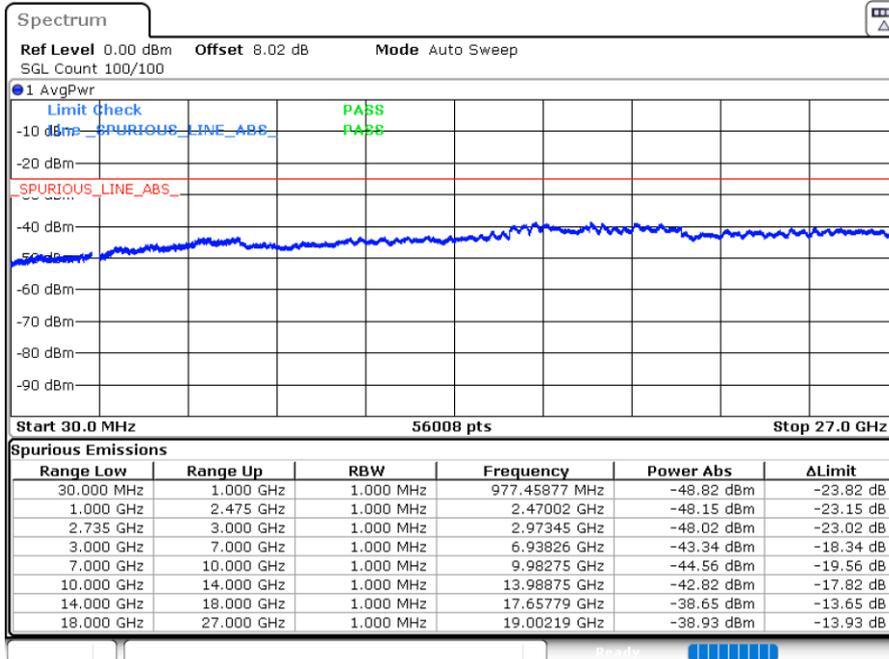


Date: 17.NOV.2024 11:23:34



Date: 17.NOV.2024 11:25:12

Highest Channel / QPSK



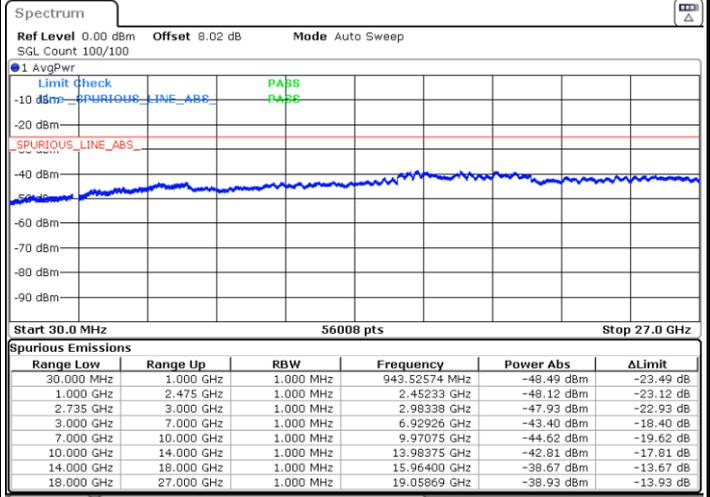
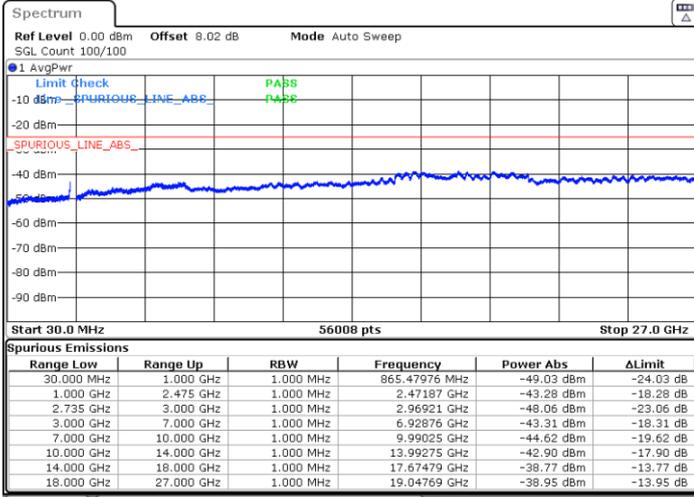
Date: 17.NOV.2024 11:26:49



LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

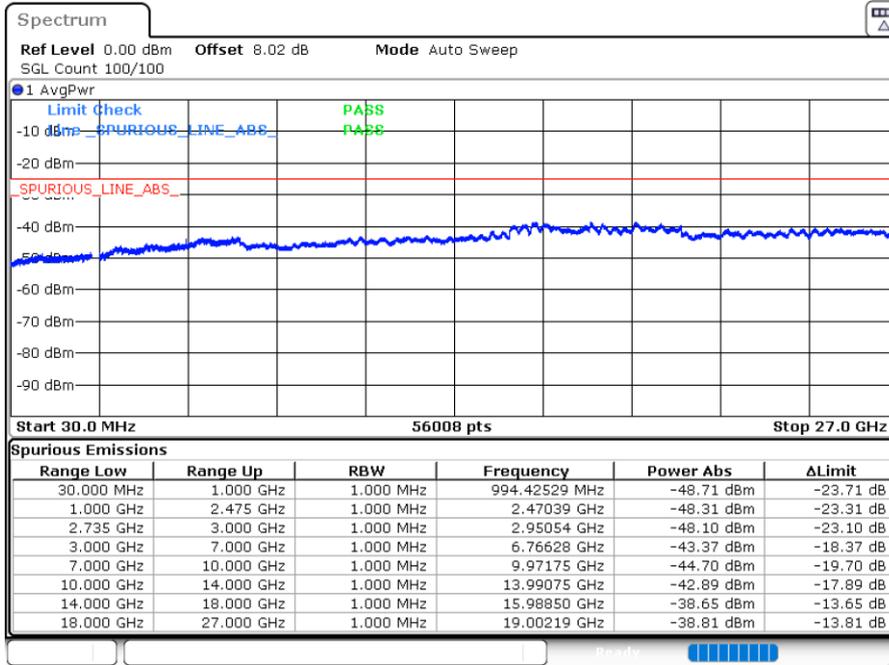
Middle Channel / QPSK



Date: 17.NOV.2024 11:28:24

Date: 17.NOV.2024 11:29:58

Highest Channel / QPSK



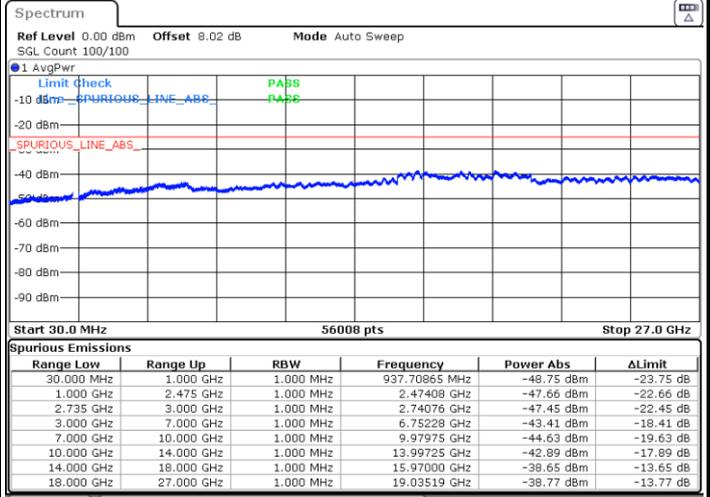
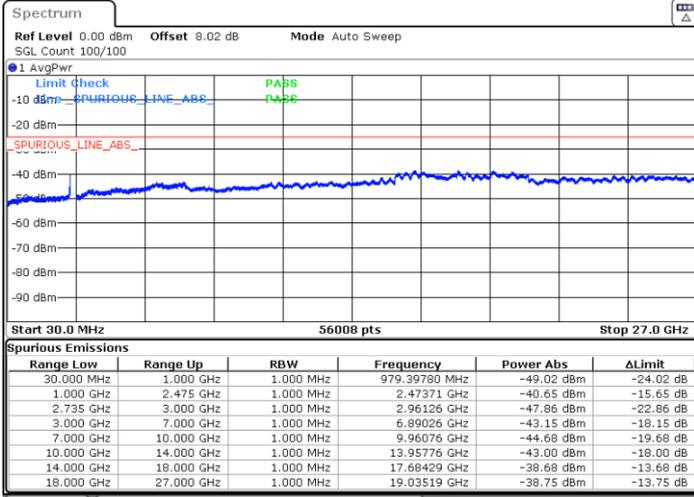
Date: 17.NOV.2024 11:31:32



LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

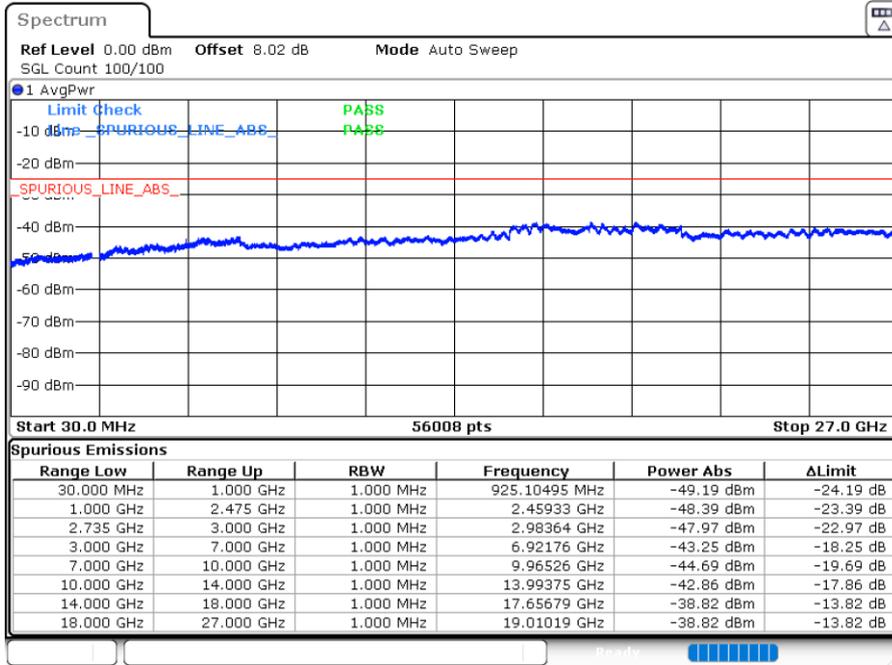
Middle Channel / QPSK



Date: 17.NOV.2024 11:33:09

Date: 17.NOV.2024 11:34:44

Highest Channel / QPSK



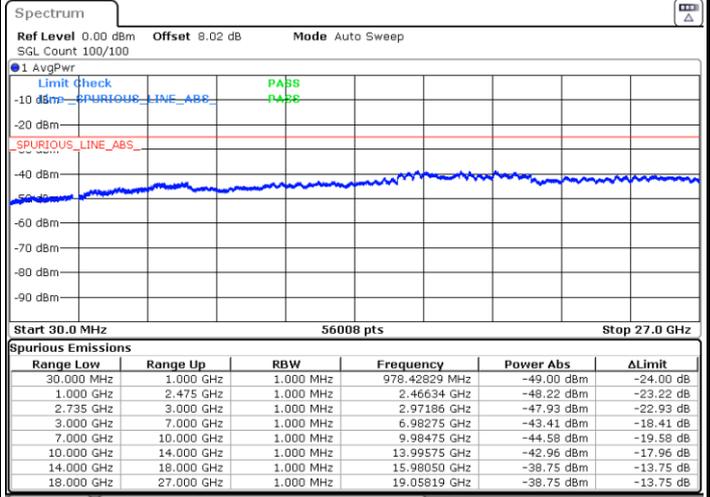
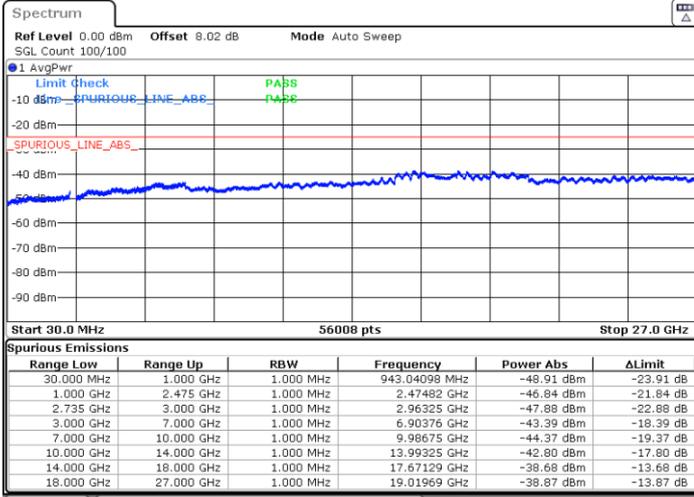
Date: 17.NOV.2024 11:36:18



LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

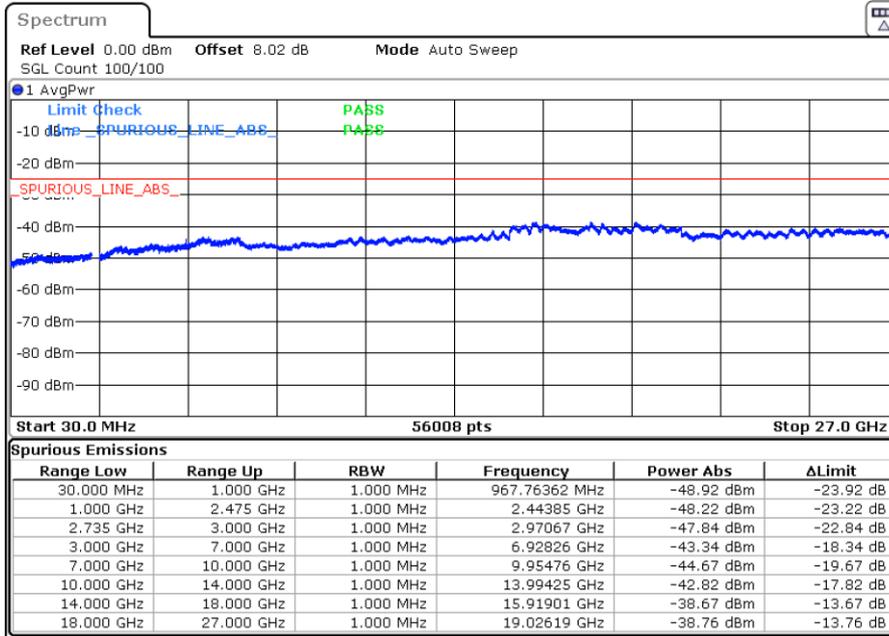
Middle Channel / QPSK



Date: 17.NOV.2024 11:37:53

Date: 17.NOV.2024 11:39:27

Highest Channel / QPSK



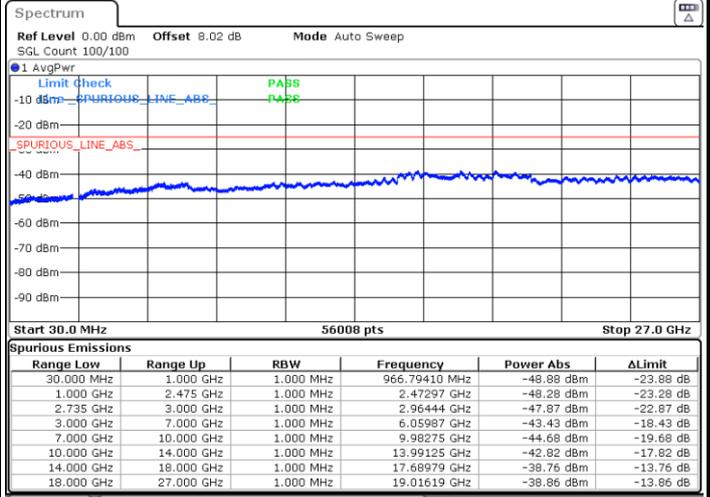
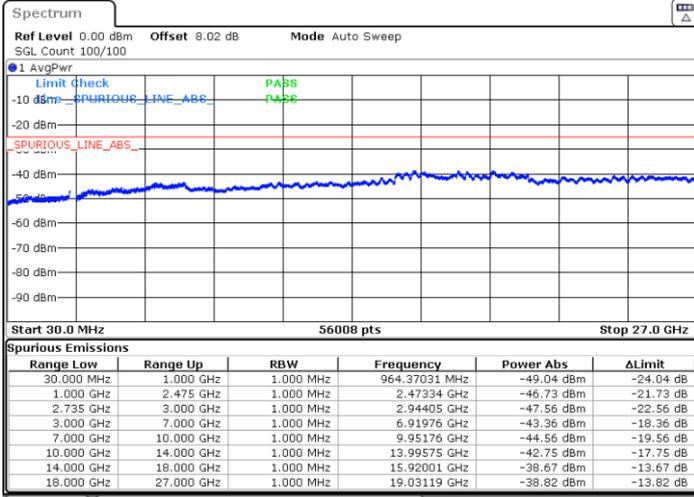
Date: 17.NOV.2024 11:41:01



LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

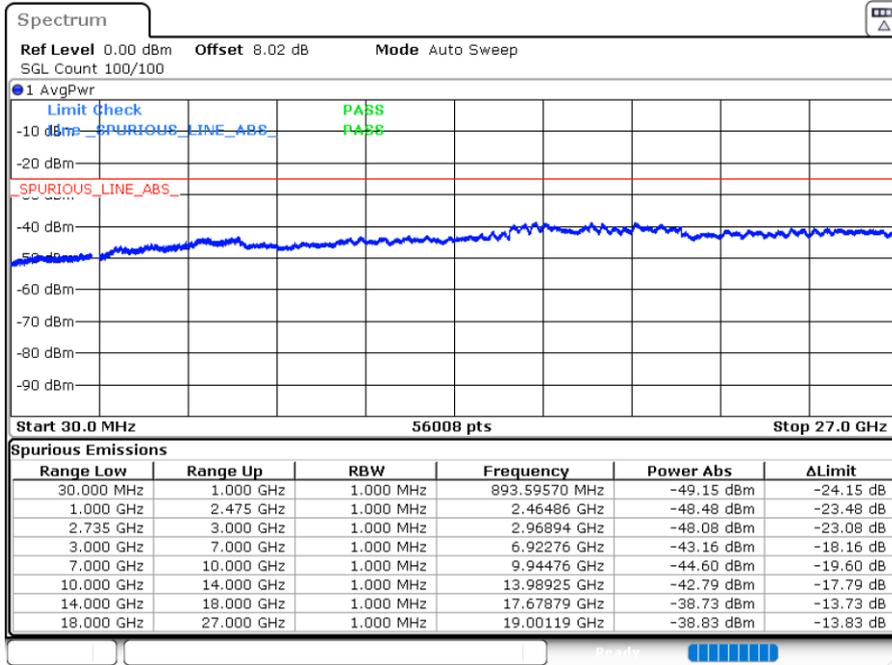
Middle Channel / QPSK



Date: 17.NOV.2024 11:42:36

Date: 17.NOV.2024 11:44:11

Highest Channel / QPSK



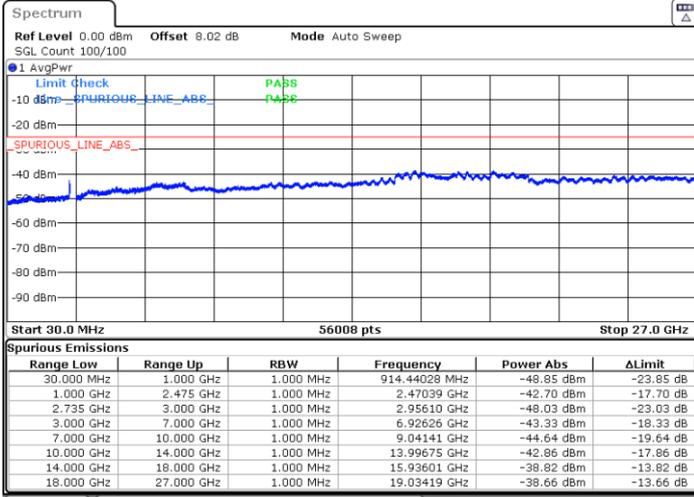
Date: 17.NOV.2024 11:45:45



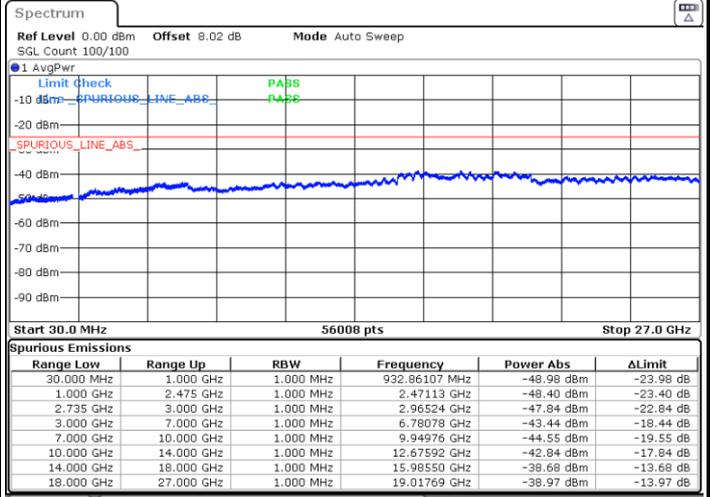
LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

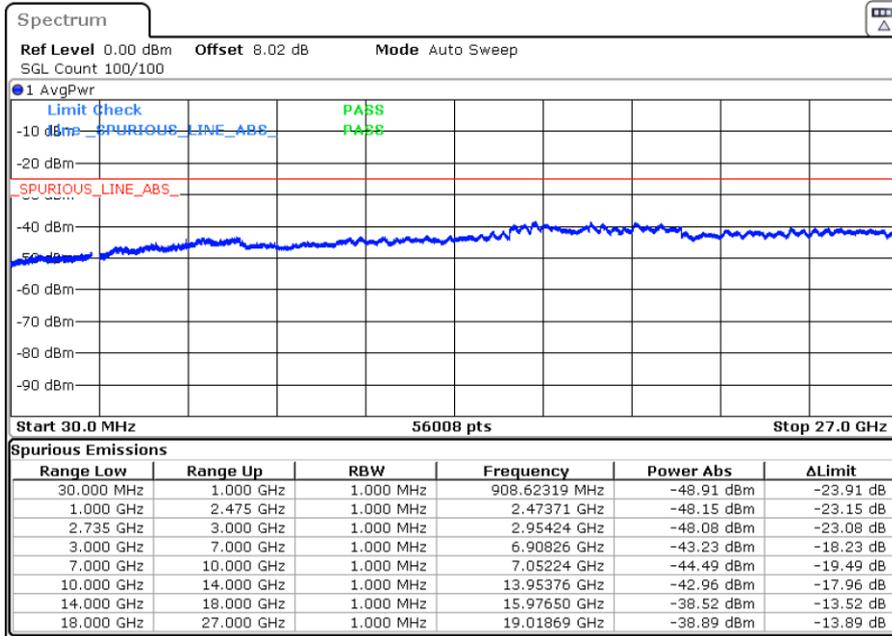


Date: 17.NOV.2024 11:47:21



Date: 17.NOV.2024 11:49:00

Highest Channel / QPSK



Date: 17.NOV.2024 11:50:35



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	0.0018	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage =3.91 V. ; Minimum Voltage =3.45 V. ; Maximum Voltage =4.53 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 :	Smile Wang	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	5055	-56.79	-25	-31.79	-67.00	3.03	13.24	H
	7575	-53.45	-25	-28.45	-62.90	3.56	13.01	H
	10110	-51.93	-25	-26.93	-61.45	3.92	13.44	H
	5055	-57.19	-25	-32.19	-67.40	3.03	13.24	V
	7575	-54.75	-25	-29.75	-64.20	3.56	13.01	V
	10110	-52.44	-25	-27.44	-61.96	3.92	13.44	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	5160	-55.64	-25	-30.64	-65.85	3.03	13.24	H
	7755	-48.52	-25	-23.52	-57.97	3.56	13.01	H
	10335	-52.15	-25	-27.15	-61.67	3.92	13.44	H
	5160	-52.82	-25	-27.82	-63.03	3.03	13.24	V
	7755	-42.87	-25	-17.87	-52.32	3.56	13.01	V
	10335	-51.90	-25	-26.90	-61.42	3.92	13.44	V

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

LTE Band 7C_CA / 20MHz+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	5025	-56.59	-25	-31.59	-66.80	3.03	13.24	H
	7545	-48.57	-25	-23.57	-58.02	3.56	13.01	H
	10065	-52.53	-25	-27.53	-62.05	3.92	13.44	H
	5070	-56.86	-25	-31.86	-67.07	3.03	13.24	H
	7605	-54.72	-25	-29.72	-64.17	3.56	13.01	H
	10140	-51.61	-25	-26.61	-61.13	3.92	13.44	H
	5025	-56.88	-25	-31.88	-67.09	3.03	13.24	V
	7545	-52.41	-25	-27.41	-61.86	3.56	13.01	V
	10065	-52.59	-25	-27.59	-62.11	3.92	13.44	V
	5070	-57.22	-25	-32.22	-67.43	3.03	13.24	V



	7605	-54.58	-25	-29.58	-64.03	3.56	13.01	V
	10140	-51.94	-25	-26.94	-61.46	3.92	13.44	V

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

LTE Band 38C_CA / 20MHz+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	5145	-55.80	-25	-30.80	-66.01	3.03	13.24	H
	7725	-54.69	-25	-29.69	-64.14	3.56	13.01	H
	10305	-52.31	-25	-27.31	-61.83	3.92	13.44	H
	5190	-58.00	-25	-33.00	-68.21	3.03	13.24	H
	7785	-55.08	-25	-30.08	-64.53	3.56	13.01	H
	10380	-52.07	-25	-27.07	-61.59	3.92	13.44	H
	5145	-51.93	-25	-26.93	-62.14	3.03	13.24	V
	7725	-54.92	-25	-29.92	-64.37	3.56	13.01	V
	10305	-52.60	-25	-27.60	-62.12	3.92	13.44	V
	5190	-57.94	-25	-32.94	-68.15	3.03	13.24	V
	7785	-55.41	-25	-30.41	-64.86	3.56	13.01	V
10380	-52.16	-25	-27.16	-61.68	3.92	13.44	V	

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

LTE Band 41C_CA / 20MHz+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	5145	-55.88	-25	-30.88	-66.09	3.03	13.24	H
	7725	-55.01	-25	-30.01	-64.46	3.56	13.01	H
	10290	-52.47	-25	-27.47	-61.99	3.92	13.44	H
	5190	-57.73	-25	-32.73	-67.94	3.03	13.24	H
	7785	-55.37	-25	-30.37	-64.82	3.56	13.01	H
	10380	-51.72	-25	-26.72	-61.24	3.92	13.44	H
	5145	-52.64	-25	-27.64	-62.85	3.03	13.24	V
	7725	-54.86	-25	-29.86	-64.31	3.56	13.01	V
	10290	-52.67	-25	-27.67	-62.19	3.92	13.44	V
	5190	-58.13	-25	-33.13	-68.34	3.03	13.24	V
	7785	-54.65	-25	-29.65	-64.10	3.56	13.01	V
10380	-52.10	-25	-27.10	-61.62	3.92	13.44	V	

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