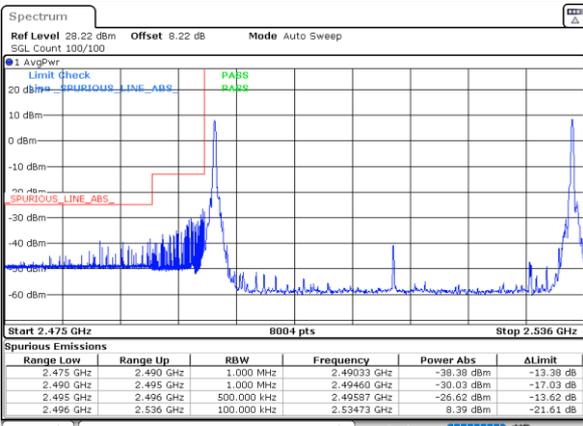




LTE Band 41C / 20MHz+20MHz

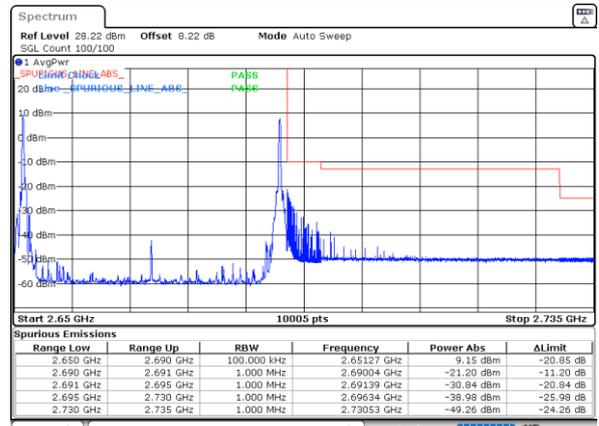
64QAM

Lowest Band Edge / 1RB0 and 1RB9



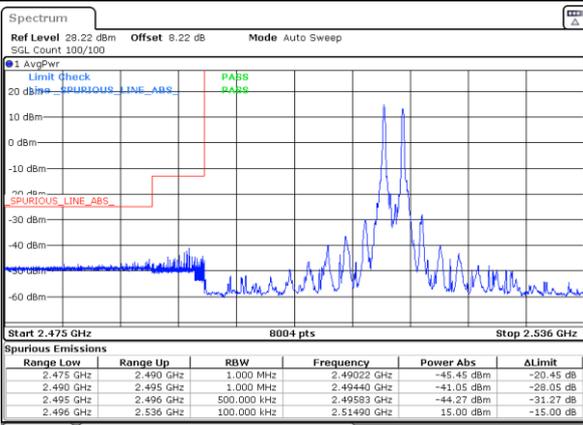
Date: 15.OCT.2024 20:07:51

Highest Band Edge / 1RB0 and 1RB9



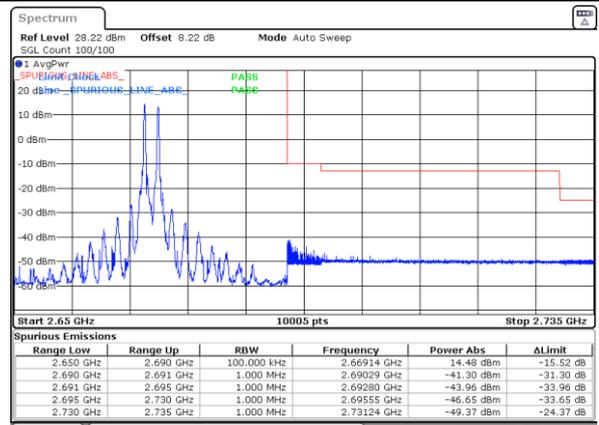
Date: 15.OCT.2024 20:23:16

Lowest Band Edge / 1RB99 and 1RB0



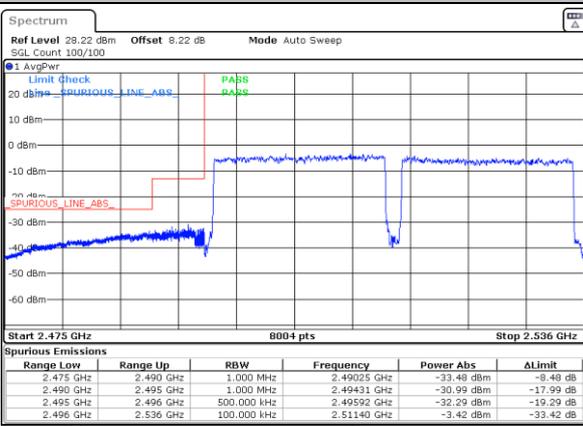
Date: 15.OCT.2024 20:04:19

Highest Band Edge / 1RB99 and 1RB0



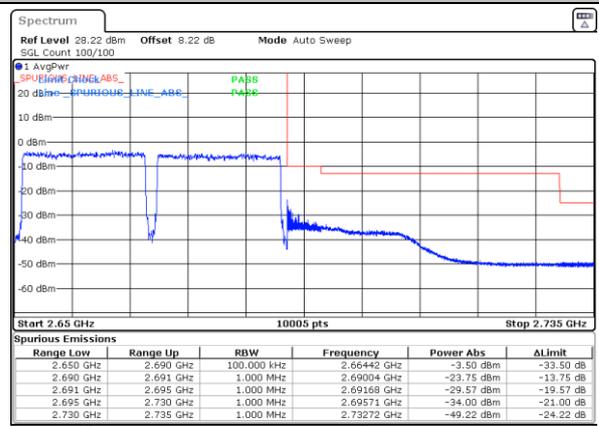
Date: 15.OCT.2024 20:19:45

Lowest Band Edge / Full RB



Date: 15.OCT.2024 20:11:24

Highest Band Edge / Full RB



Date: 15.OCT.2024 20:26:48

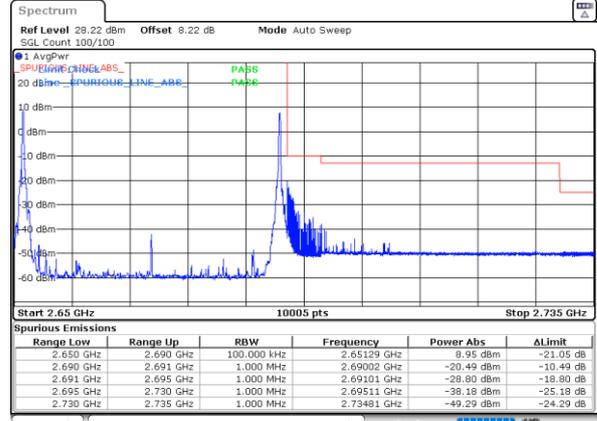
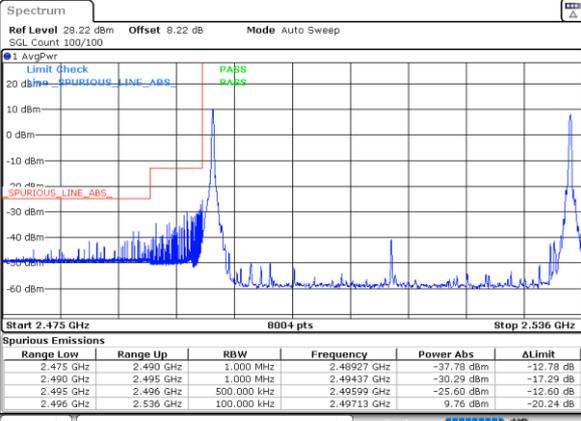


LTE Band 41C / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

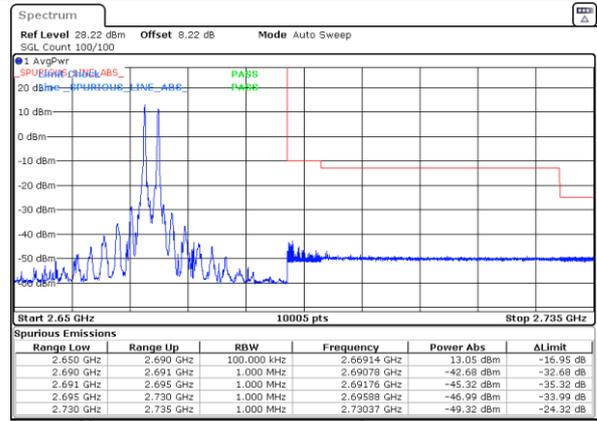
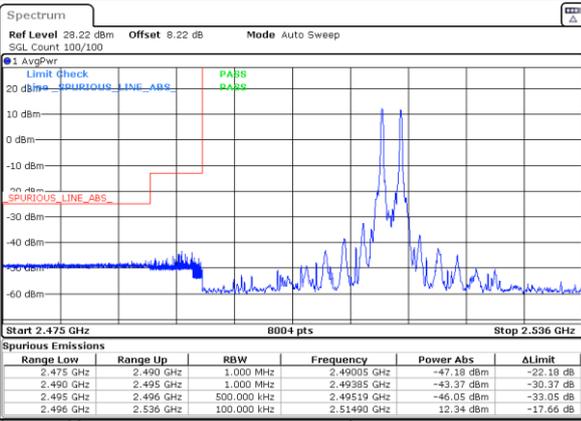


Date: 15.OCT.2024 20:08:44

Date: 15.OCT.2024 20:24:08

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

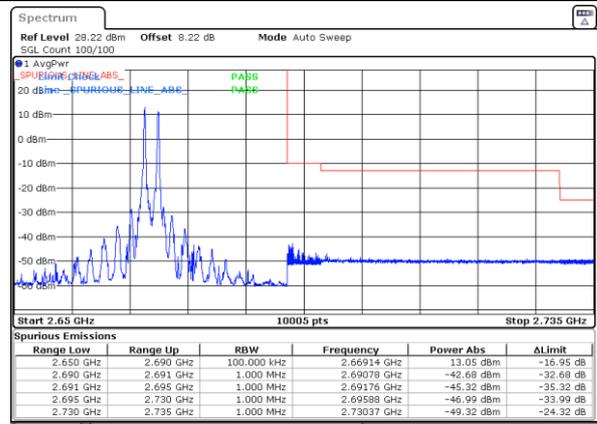
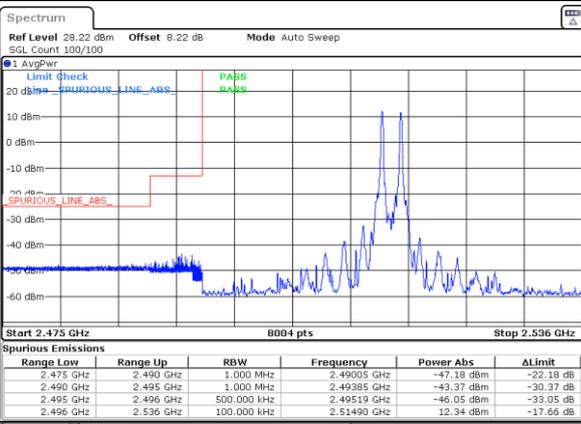


Date: 15.OCT.2024 20:05:12

Date: 15.OCT.2024 20:20:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.OCT.2024 20:05:12

Date: 15.OCT.2024 20:20:37

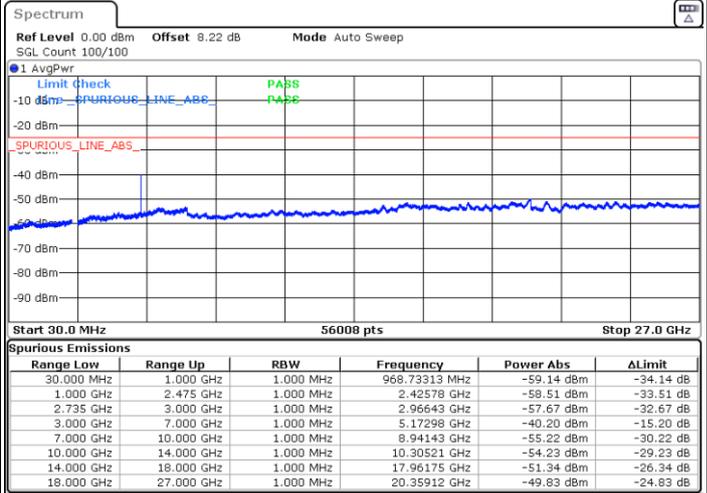
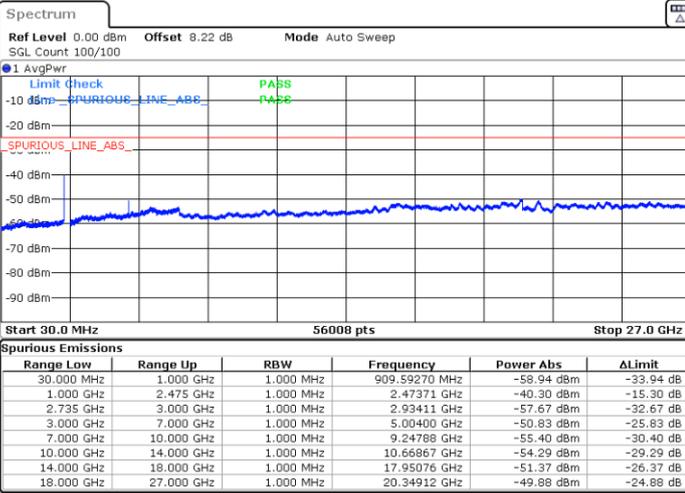


Conducted Spurious Emission

LTE Band 41C / 5MHz+20MHz

Lowest Channel / QPSK

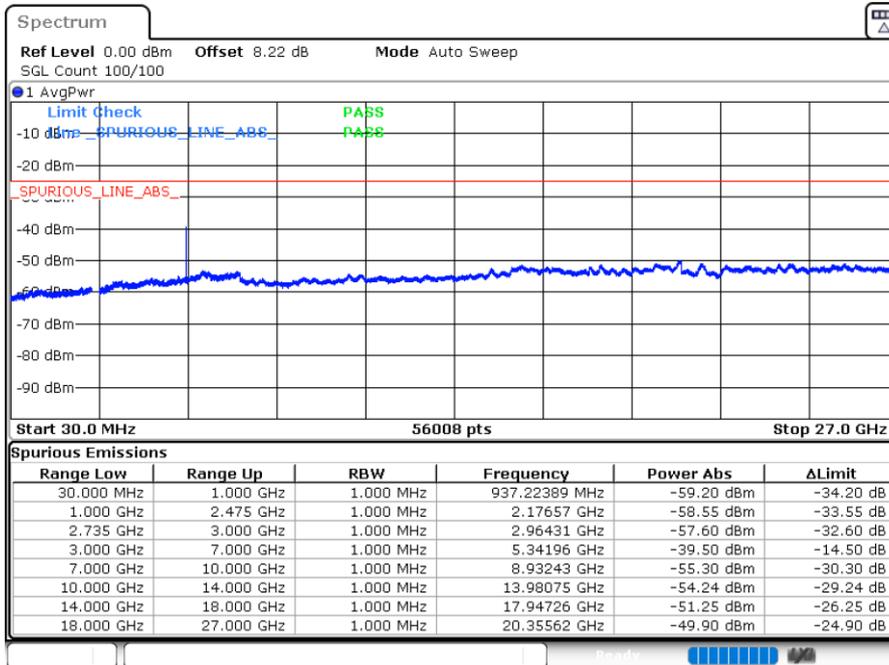
Middle Channel / QPSK



Date: 15.OCT.2024 11:22:44

Date: 15.OCT.2024 11:56:27

Highest Channel / QPSK



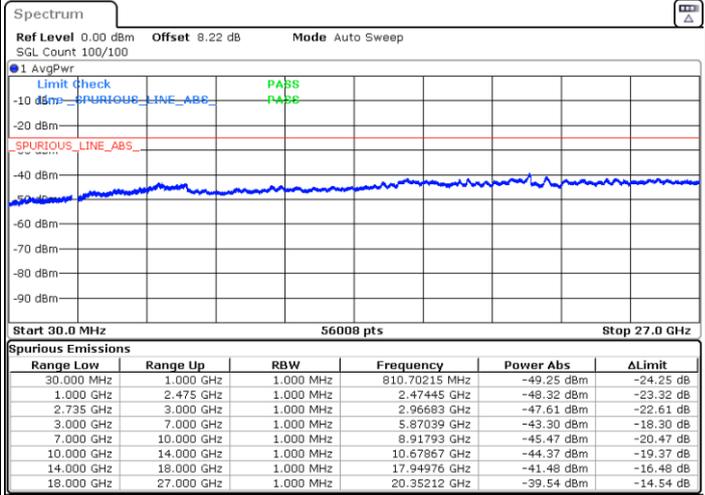
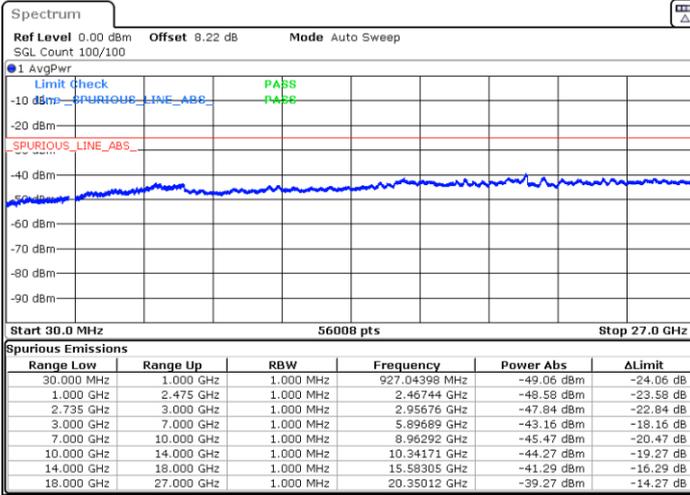
Date: 15.OCT.2024 11:59:41



LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

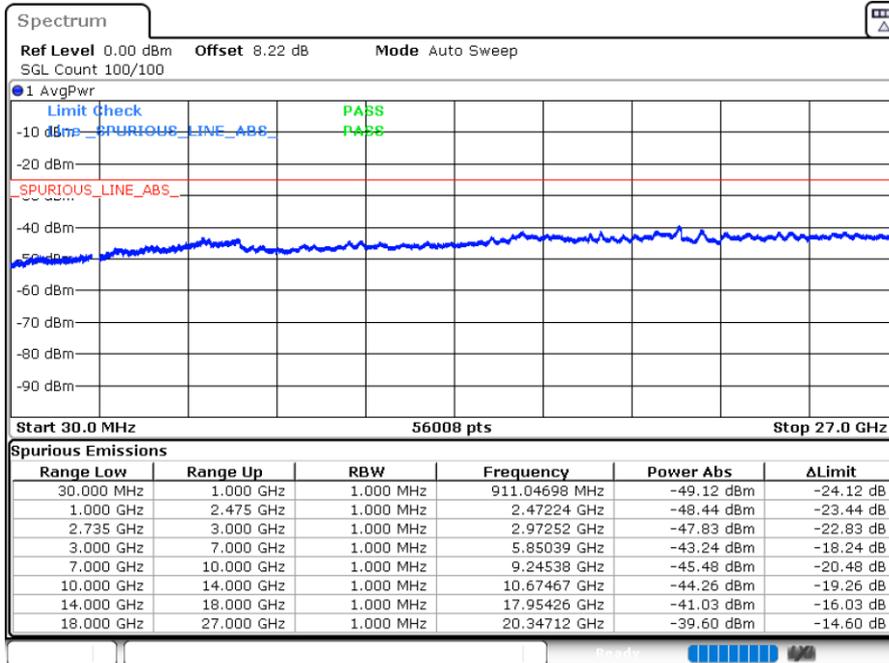
Middle Channel / QPSK



Date: 15.OCT.2024 12:13:09

Date: 15.OCT.2024 12:27:29

Highest Channel / QPSK



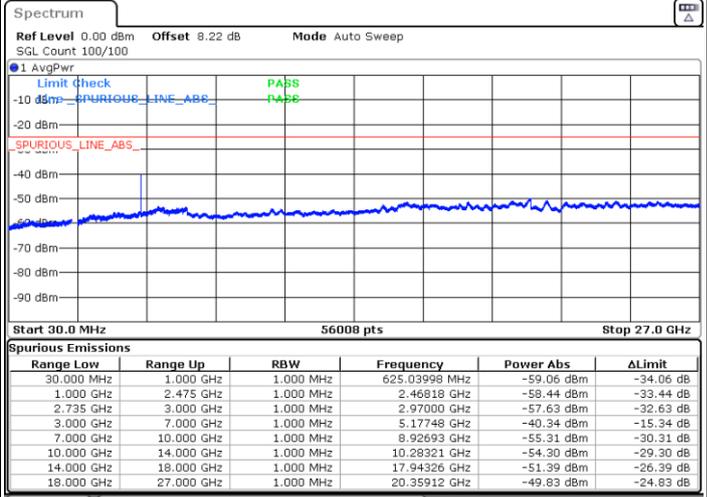
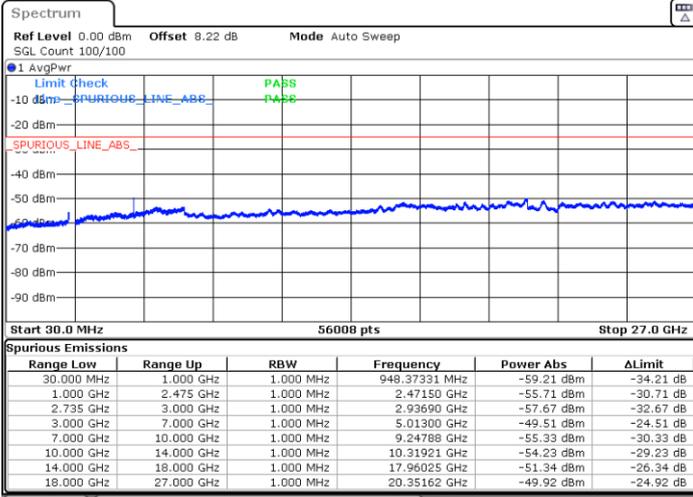
Date: 15.OCT.2024 12:45:51



LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

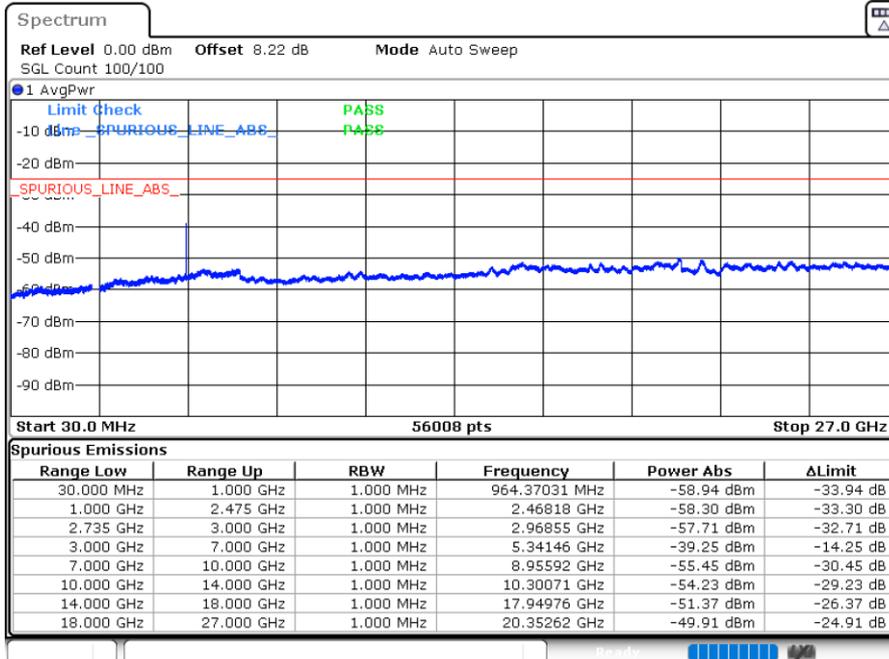
Middle Channel / QPSK



Date: 15.OCT.2024 12:59:20

Date: 15.OCT.2024 13:14:04

Highest Channel / QPSK



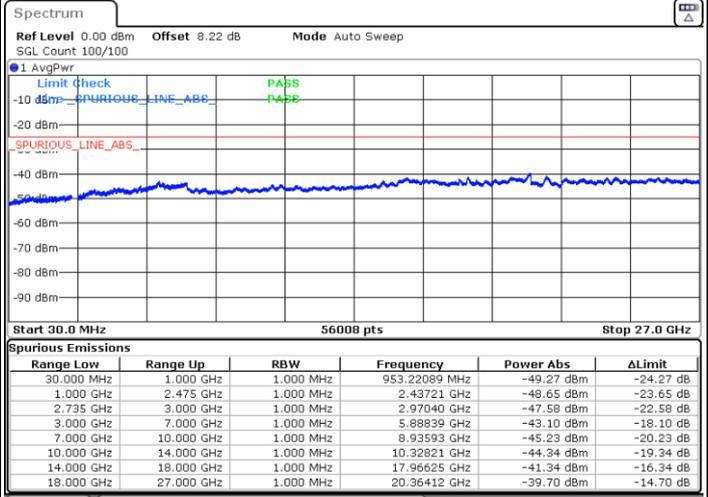
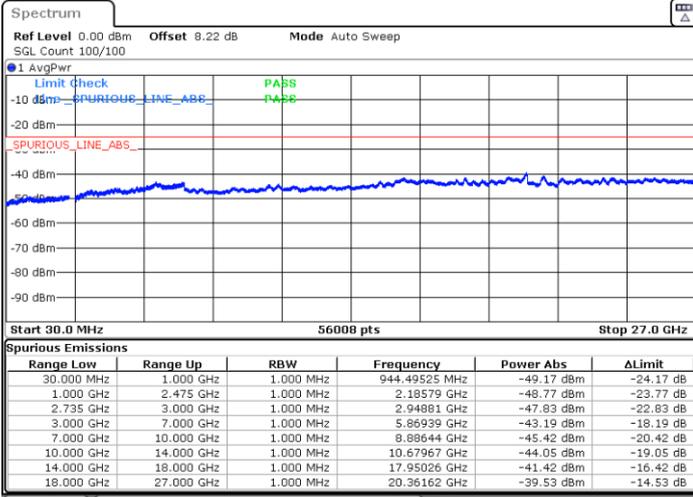
Date: 15.OCT.2024 13:16:41



LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

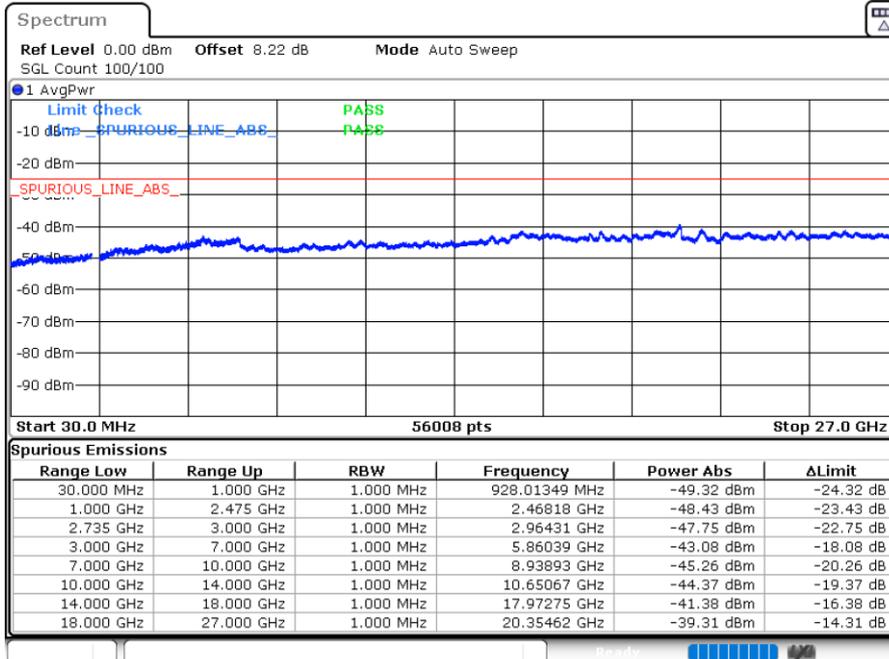
Middle Channel / QPSK



Date: 15.OCT.2024 13:39:01

Date: 15.OCT.2024 13:52:17

Highest Channel / QPSK



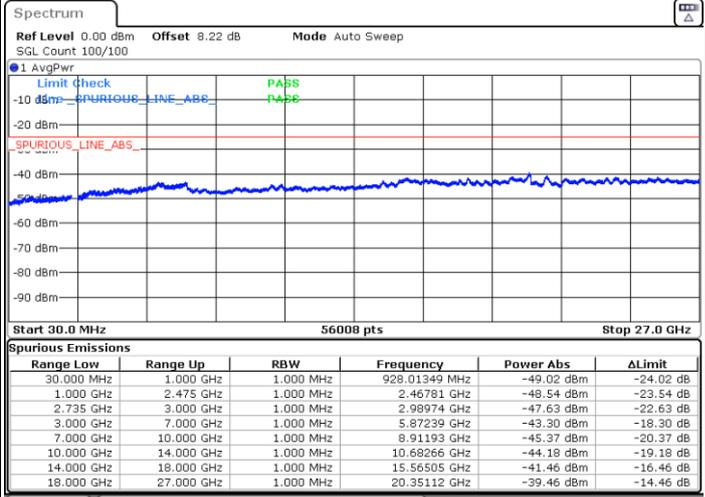
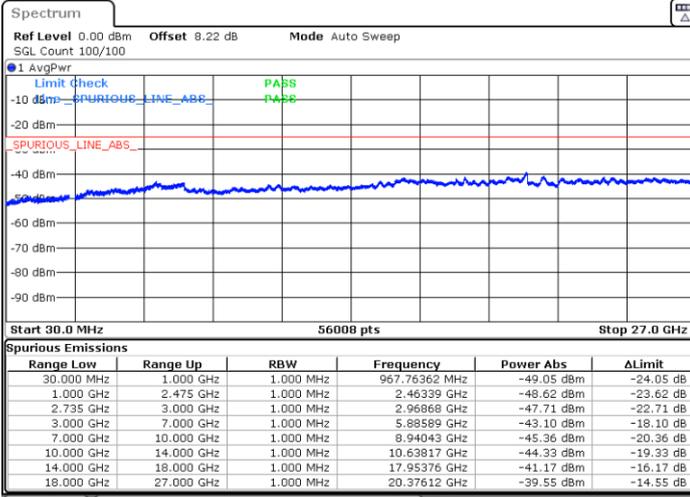
Date: 15.OCT.2024 15:31:03



LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

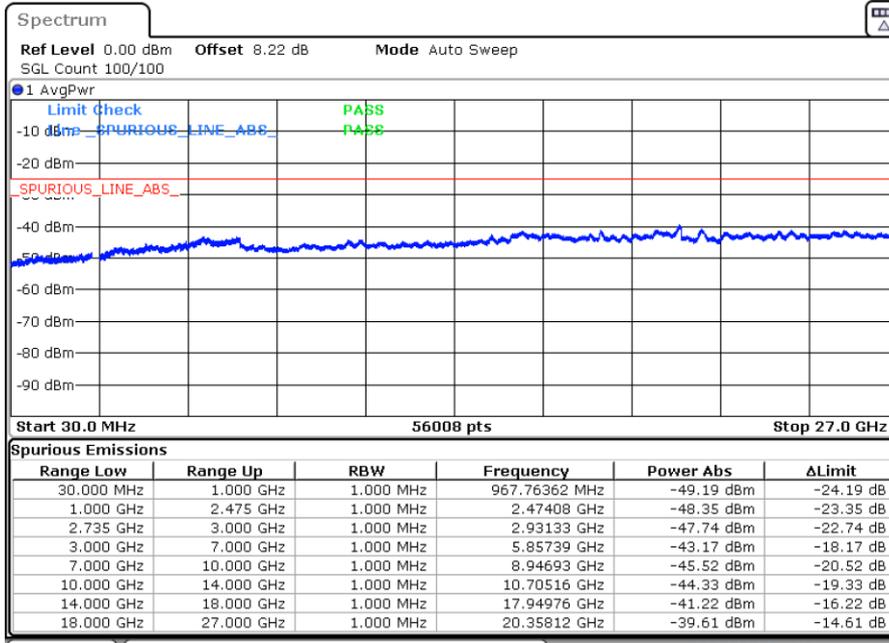
Middle Channel / QPSK



Date: 15.OCT.2024 15:57:59

Date: 15.OCT.2024 16:13:08

Highest Channel / QPSK



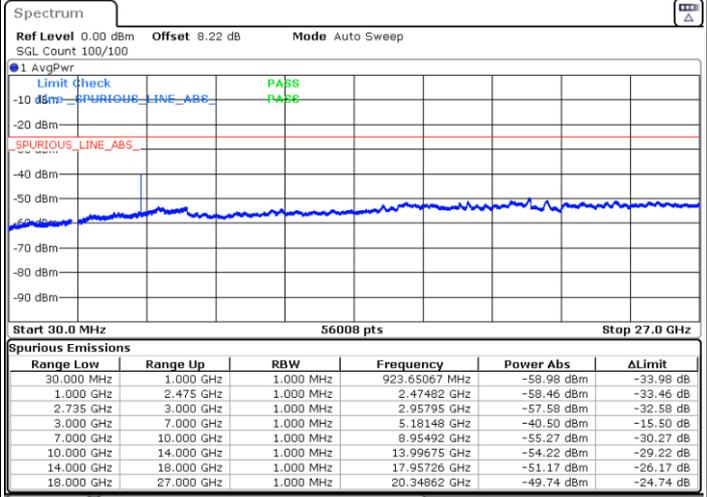
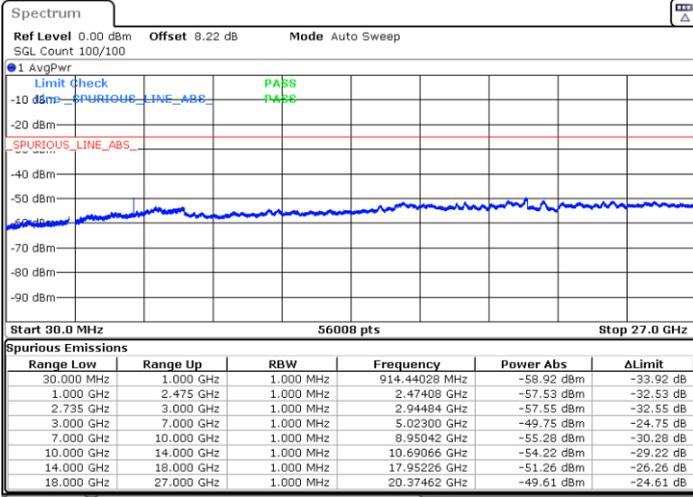
Date: 15.OCT.2024 16:15:40



LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

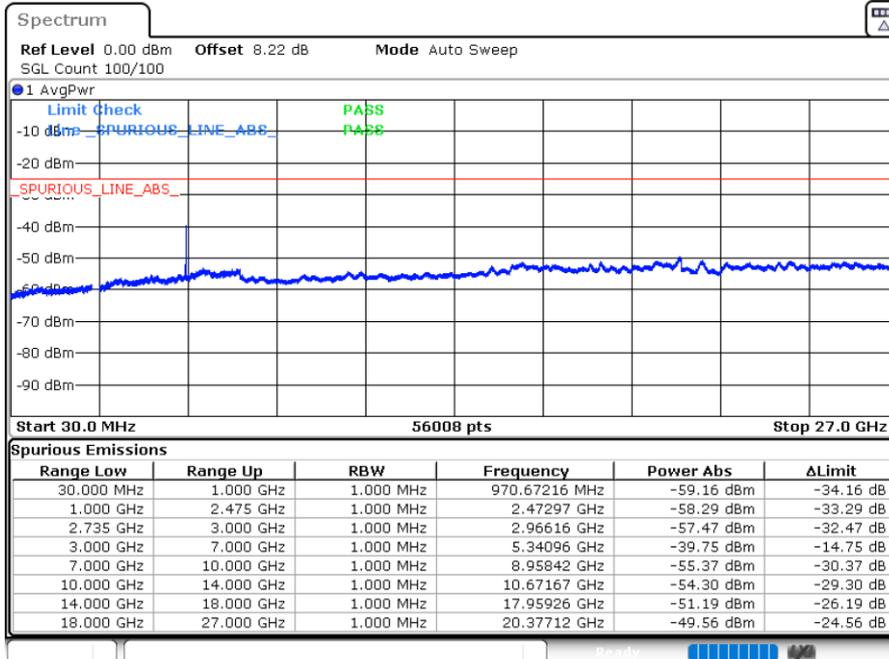
Middle Channel / QPSK



Date: 15.OCT.2024 16:44:51

Date: 15.OCT.2024 17:14:47

Highest Channel / QPSK



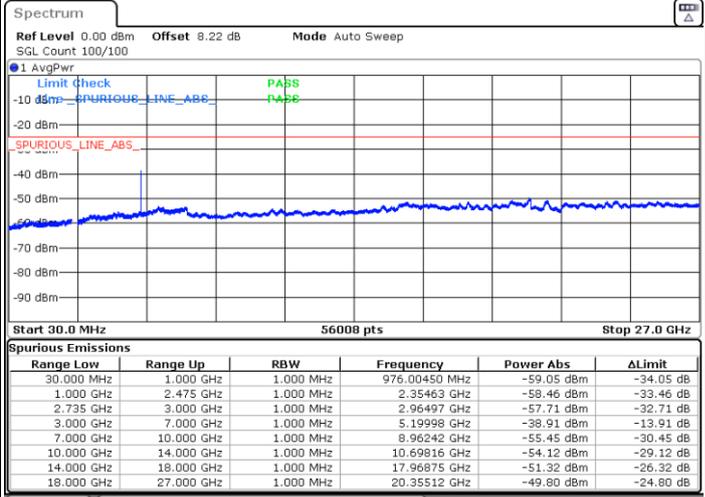
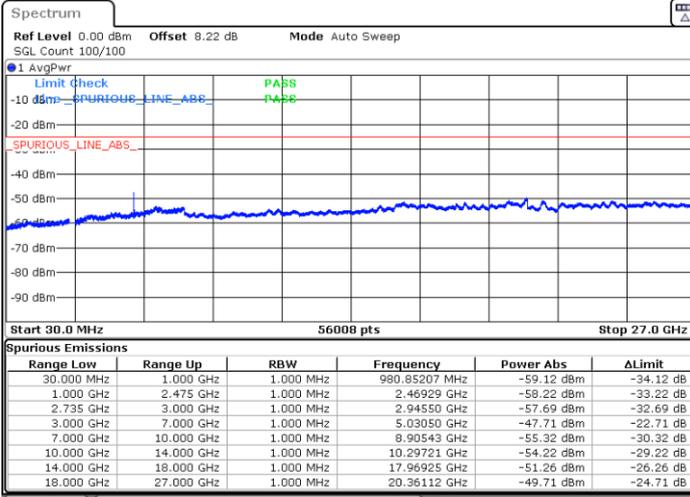
Date: 15.OCT.2024 17:17:47



LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

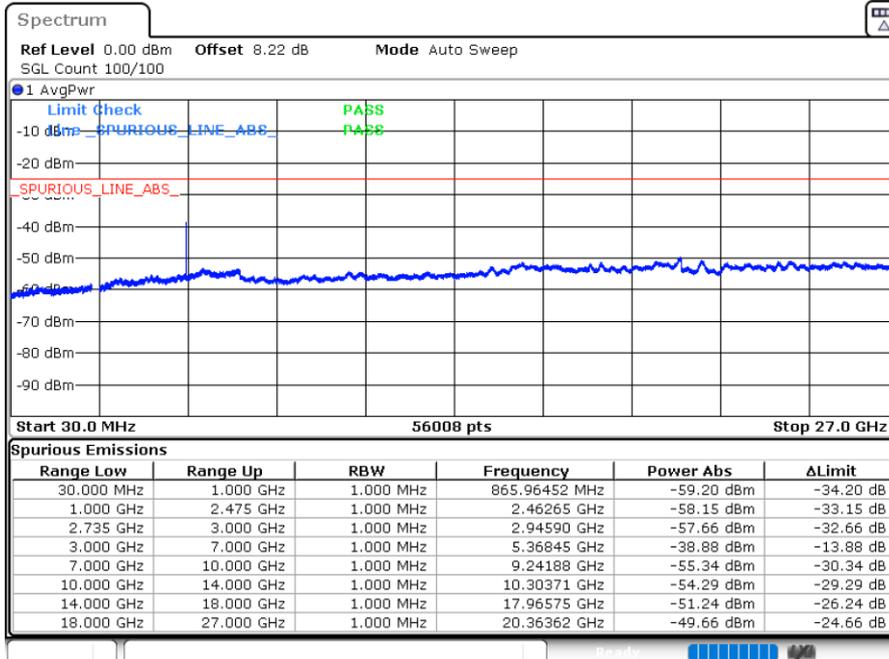
Middle Channel / QPSK



Date: 15.OCT.2024 18:33:25

Date: 15.OCT.2024 18:46:08

Highest Channel / QPSK



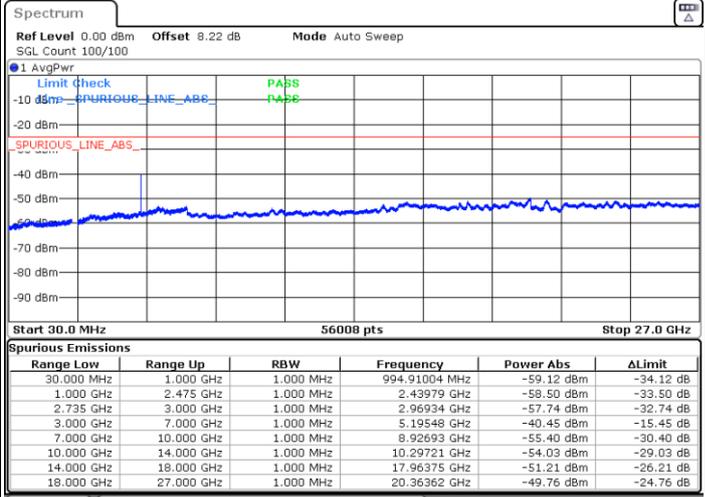
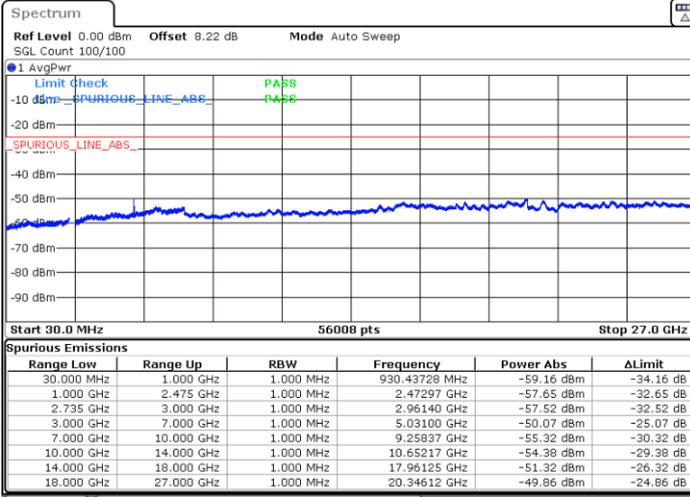
Date: 15.OCT.2024 18:48:54



LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

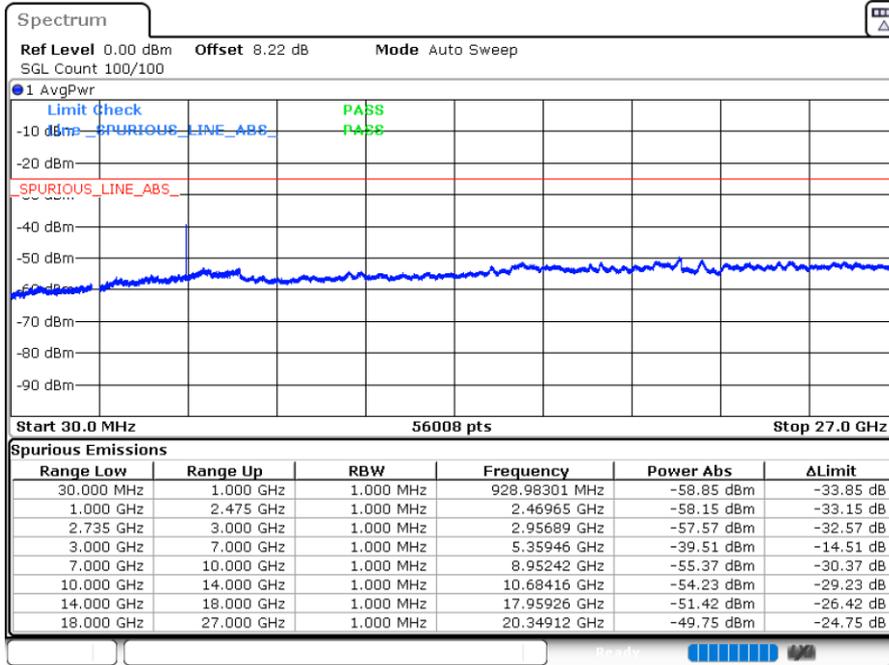
Middle Channel / QPSK



Date: 15.OCT.2024 19:02:07

Date: 15.OCT.2024 19:15:08

Highest Channel / QPSK



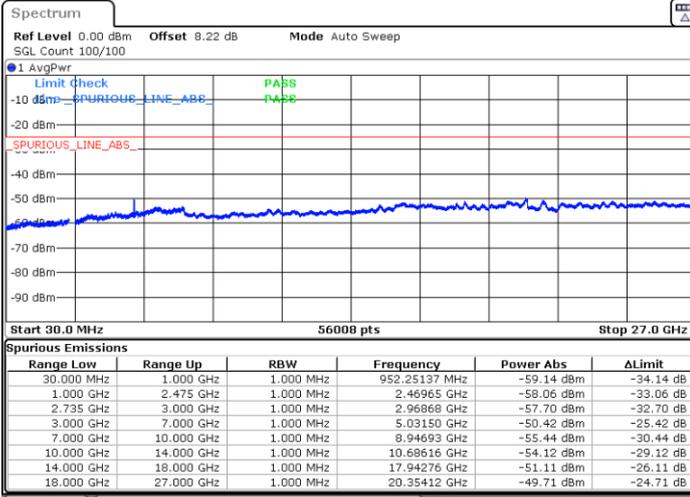
Date: 15.OCT.2024 19:17:45



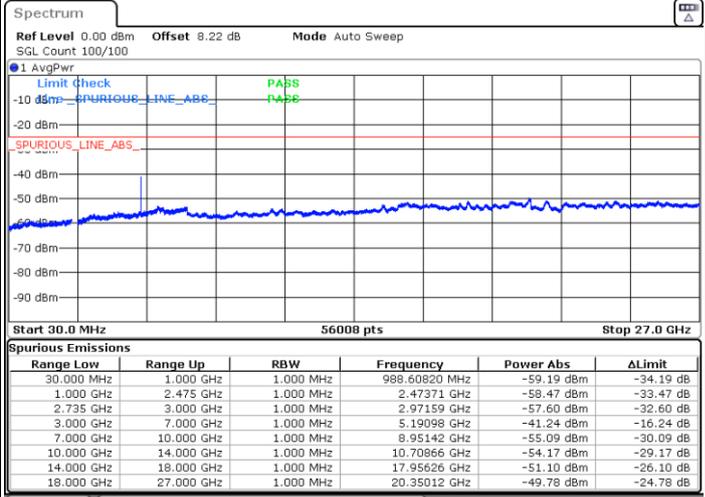
LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

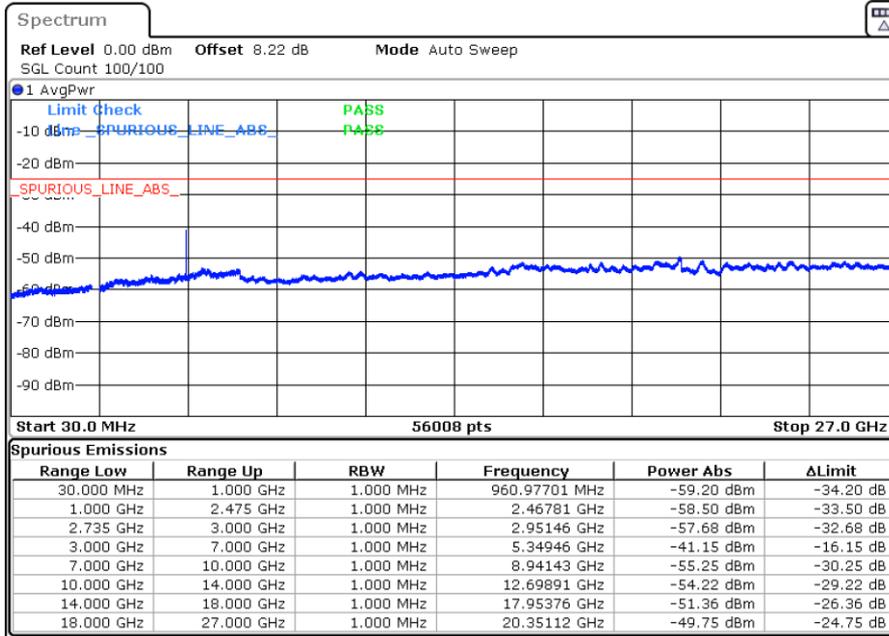


Date: 15.OCT.2024 19:31:27



Date: 15.OCT.2024 19:46:44

Highest Channel / QPSK



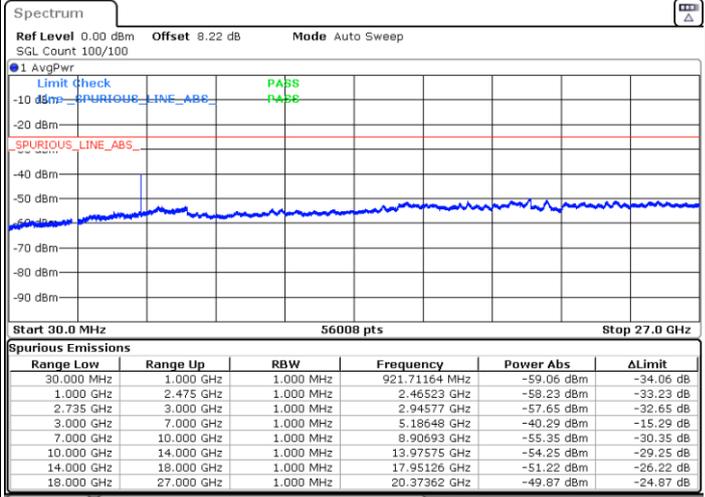
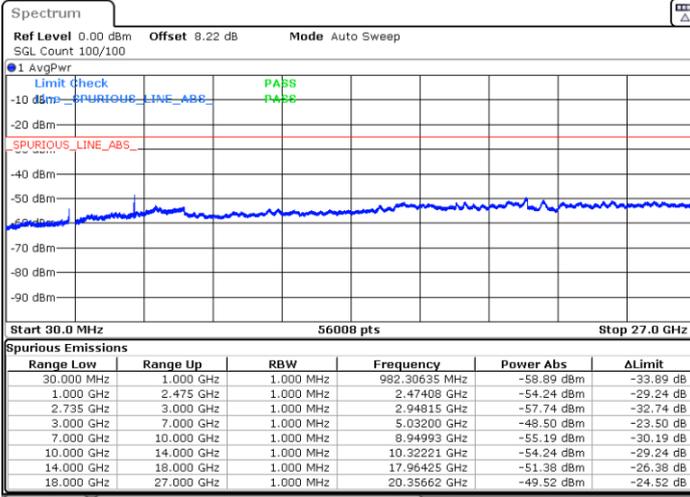
Date: 15.OCT.2024 19:48:55



LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

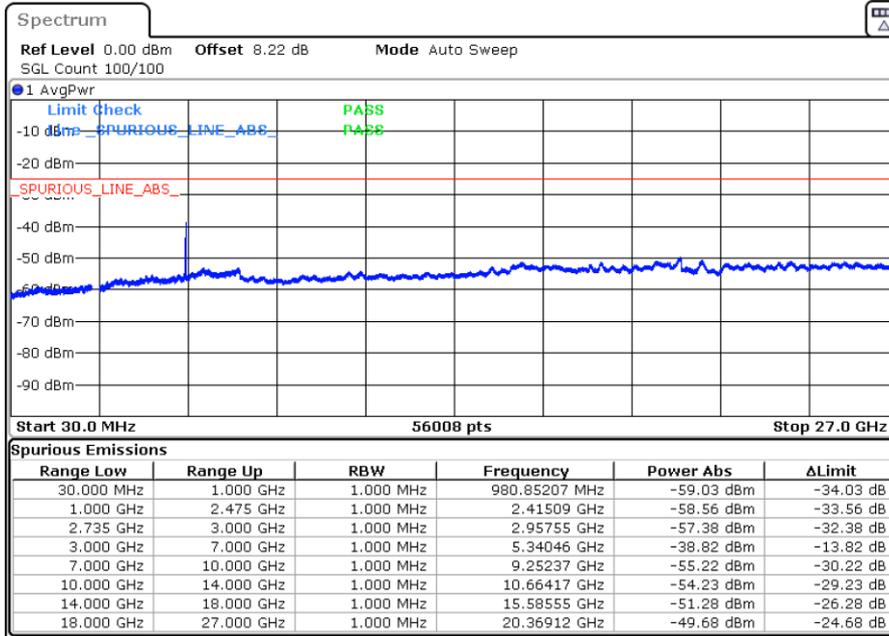
Middle Channel / QPSK



Date: 15.OCT.2024 20:01:40

Date: 15.OCT.2024 20:14:16

Highest Channel / QPSK



Date: 15.OCT.2024 20:17:07



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	0.0014	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0028	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 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 :	Simle Wang	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE pretest all the supported Antennas, only the worst results are shown in the report.

LTE Band 7 / 20MHz / QPSK / ANT 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	-59.74	-25	-34.74	-69.95	3.03	13.24	H
	7584	-52.52	-25	-27.52	-61.97	3.56	13.01	H
	10104	-62.66	-25	-37.66	-72.18	3.92	13.44	H
	5050	-59.41	-25	-34.41	-69.62	3.03	13.24	V
	7584	-55.93	-25	-30.93	-65.38	3.56	13.01	V
	10104.36	-62.86	-25	-37.86	-72.38	3.92	13.44	V

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

LTE Band 41 / 20MHz / QPSK/ ANT 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	-62.83	-25	-37.83	-73.04	3.03	13.24	H
	7752	-51.28	-25	-26.28	-60.73	3.56	13.01	H
	10342	-61.49	-25	-36.49	-71.01	3.92	13.44	H
	5162	-63.62	-25	-38.62	-73.83	3.03	13.24	V
	7752.27	-57.67	-25	-32.67	-67.12	3.56	13.01	V
	10336.36	-61.69	-25	-36.69	-71.21	3.92	13.44	V

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



LTE CA_7C / 20MHz+20MHz / QPSK/ ANT 3								
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 1RB0:								
Middle	5036	-63.27	-25	-38.27	-73.48	3.03	13.24	H
	7542	-63.54	-25	-38.54	-72.99	3.56	13.01	H
	10062	-62.86	-25	-37.86	-72.38	3.92	13.44	H
	5036	-63.55	-25	-38.55	-73.76	3.03	13.24	V
	7542	-63.43	-25	-38.43	-72.88	3.56	13.01	V
	10062	-62.81	-25	-37.81	-72.33	3.92	13.44	V
SCC 1RBMAX:								
Middle	5078	-64.05	-25	-39.05	-74.26	3.03	13.24	H
	7612	-62.96	-25	-37.96	-72.41	3.56	13.01	H
	10146	-62.87	-25	-37.87	-72.39	3.92	13.44	H
	5078	-64.25	-25	-39.25	-74.46	3.03	13.24	V
	7612	-63.06	-25	-38.06	-72.51	3.56	13.01	V
	10146	-62.83	-25	-37.83	-72.35	3.92	13.44	V

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

LTE CA_41C / 20MHz+20MHz / QPSK/ ANT 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)
PCC 1RB0:								
Middle	5148.38	-62.62	-25	-37.62	-72.83	3.03	13.24	H
	7722.57	-60.80	-25	-35.80	-70.25	3.56	13.01	H
	10300	-59.89	-25	-34.89	-69.41	3.92	13.44	H
	5148	-62.56	-25	-37.56	-72.77	3.03	13.24	V
	7722.57	-60.92	-25	-35.92	-70.37	3.56	13.01	V
	10296.76	-60.94	-25	-35.94	-70.46	3.92	13.44	V
SCC 1RBMAX:								
Middle	5187.98	-62.86	-25	-37.86	-73.07	3.03	13.24	H
	7781.97	-61.04	-25	-36.04	-70.49	3.56	13.01	H
	10370	-60.75	-25	-35.75	-70.27	3.92	13.44	H
	5190	-62.69	-25	-37.69	-72.90	3.03	13.24	V
	7781.97	-61.18	-25	-36.18	-70.63	3.56	13.01	V
	10370	-59.97	-25	-34.97	-69.49	3.92	13.44	V

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



LTE Band 7 / 20MHz / QPSK / ANT 3---other PA								
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	-59.74	-25	-34.74	-69.95	3.03	13.24	H
	7584	-52.52	-25	-27.52	-61.97	3.56	13.01	H
	10104	-62.66	-25	-37.66	-72.18	3.92	13.44	H
	5050	-59.41	-25	-34.41	-69.62	3.03	13.24	V
	7584	-55.93	-25	-30.93	-65.38	3.56	13.01	V
	10104.36	-62.86	-25	-37.86	-72.38	3.92	13.44	V

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

LTE CA_41C / 20MHz+20MHz / QPSK/ ANT 3---other PA								
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 1RB0:								
Middle	5148	-62.28	-25	-37.28	-72.49	3.03	13.24	H
	7722.57	-60.84	-25	-35.84	-70.29	3.56	13.01	H
	10296.76	-60.67	-25	-35.67	-70.19	3.92	13.44	H
	5148.38	-62.79	-25	-37.79	-73.00	3.03	13.24	V
	7722.57	-61.02	-25	-36.02	-70.47	3.56	13.01	V
	10300	-61.11	-25	-36.11	-70.63	3.92	13.44	V
SCC 1RBMAX:								
Middle	5187.98	-62.71	-25	-37.71	-72.92	3.03	13.24	H
	7780	-59.79	-25	-34.79	-69.24	3.56	13.01	H
	10370	-60.49	-25	-35.49	-70.01	3.92	13.44	H
	5190	-62.84	-25	-37.84	-73.05	3.03	13.24	V
	7781.97	-61.45	-25	-36.45	-70.90	3.56	13.01	V
	10375.96	-60.84	-25	-35.84	-70.36	3.92	13.44	V

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