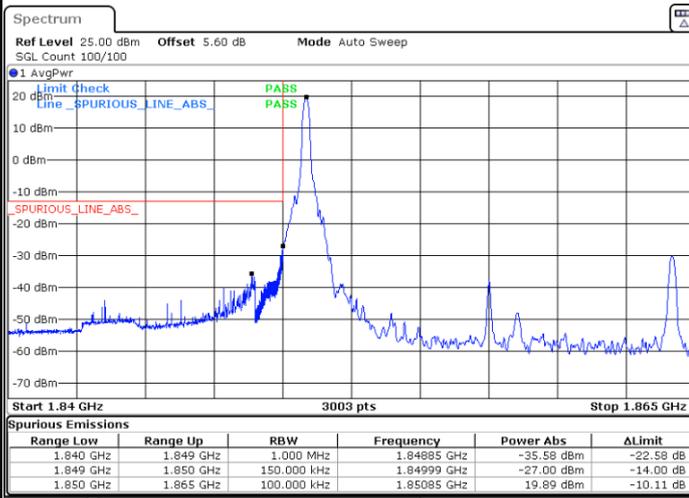




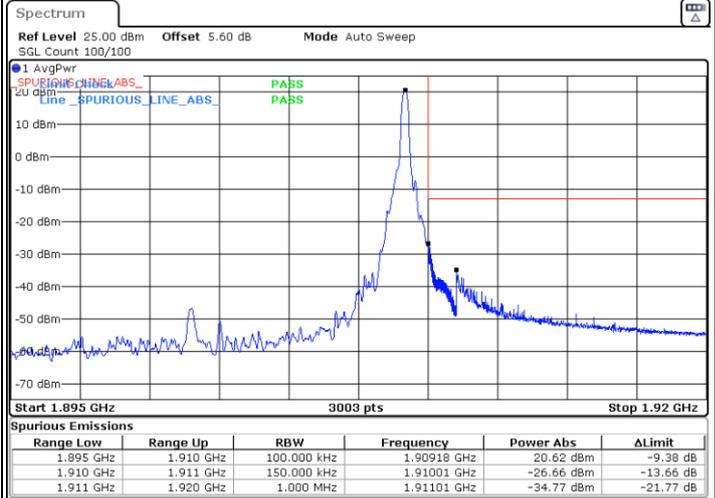
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



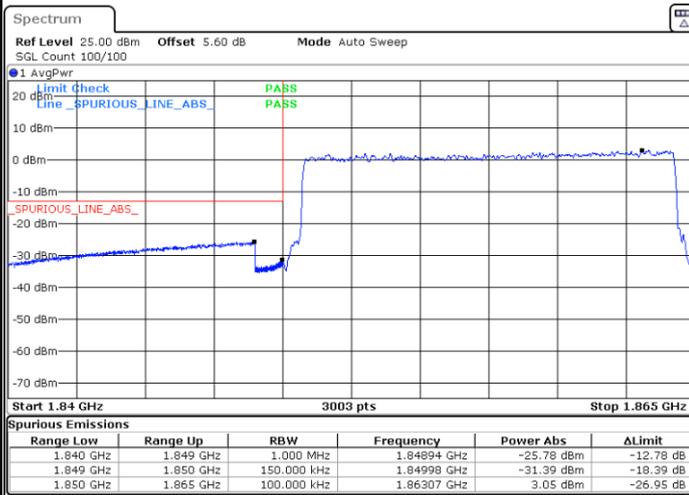
Date: 23.OCT.2024 21:53:46

Highest Band Edge / 1 RB



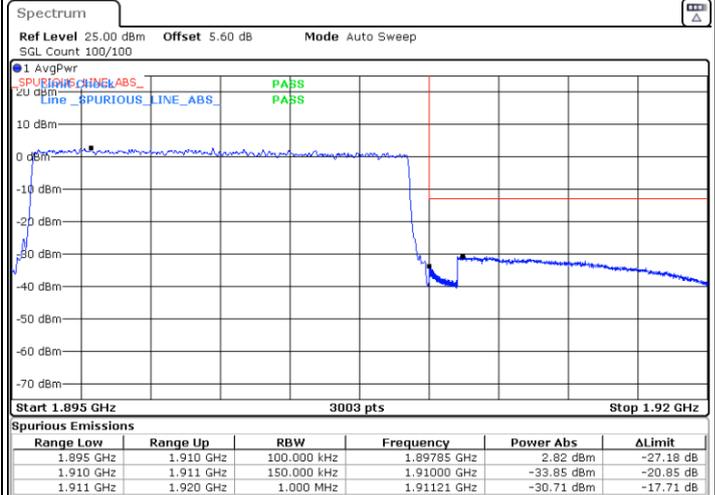
Date: 23.OCT.2024 22:09:53

Lowest Band Edge / Full RB



Date: 23.OCT.2024 21:55:38

Highest Band Edge / Full RB

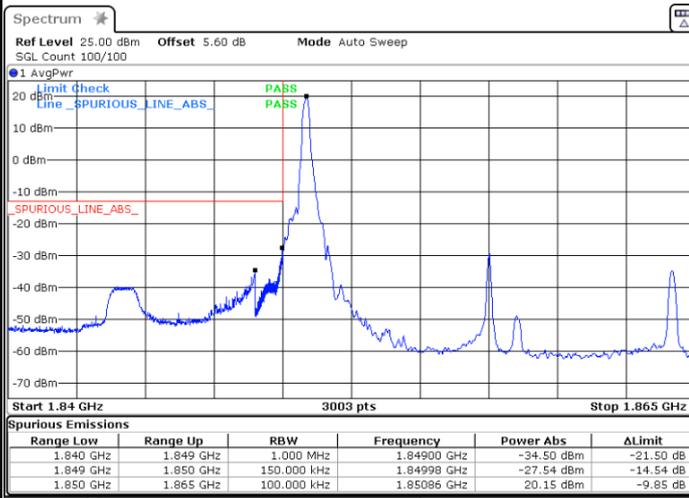


Date: 23.OCT.2024 22:06:43



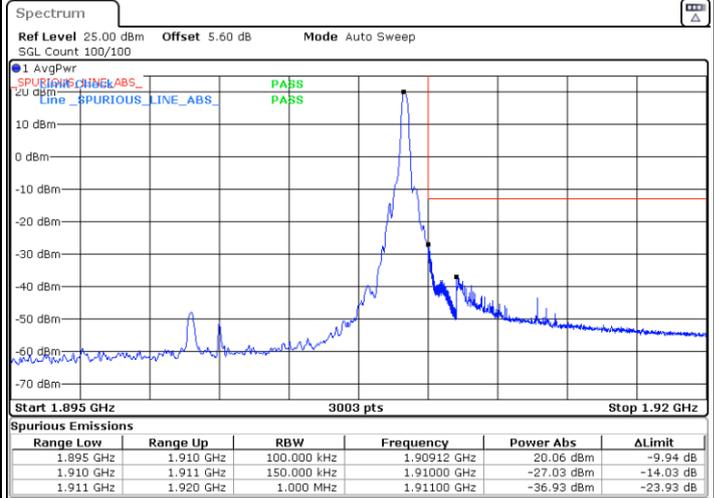
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



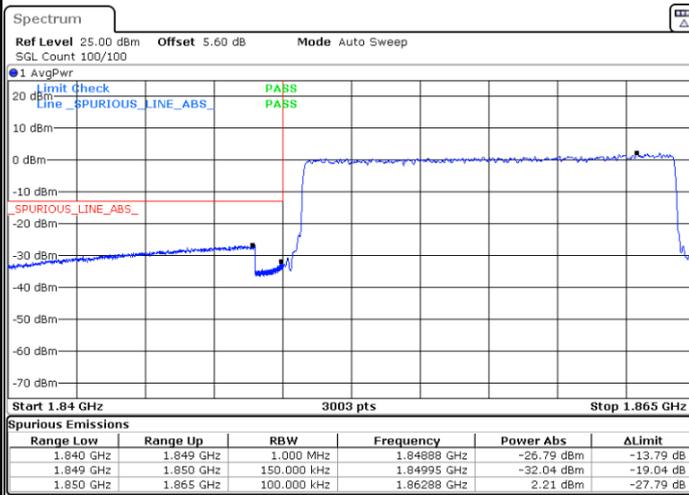
Date: 23.OCT.2024 21:49:14

Highest Band Edge / 1 RB



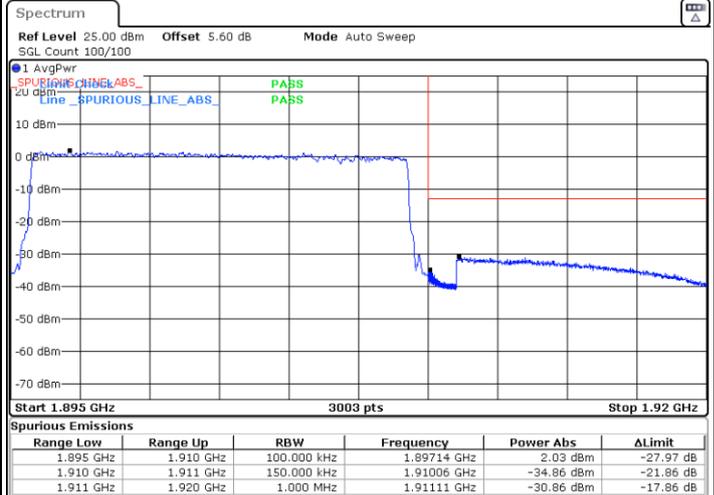
Date: 23.OCT.2024 22:09:13

Lowest Band Edge / Full RB



Date: 23.OCT.2024 21:56:10

Highest Band Edge / Full RB



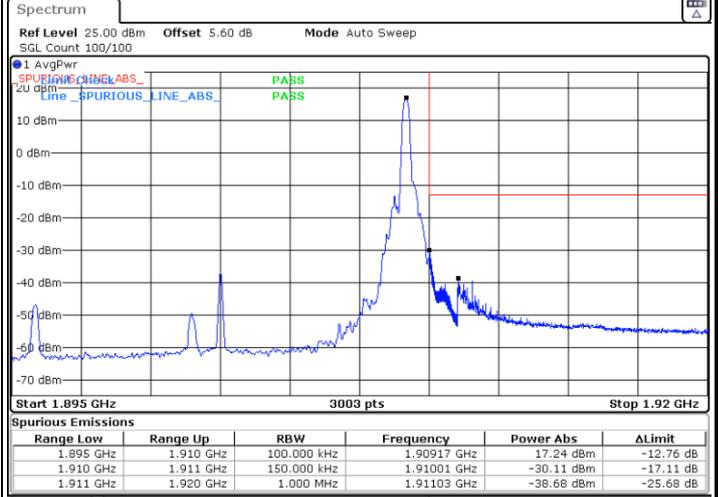
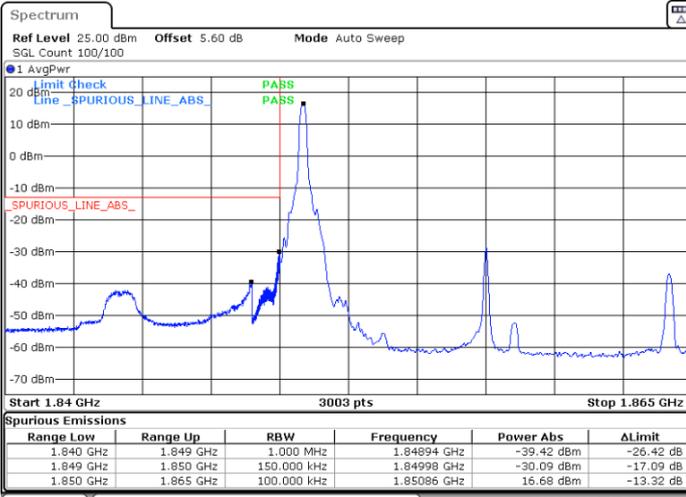
Date: 23.OCT.2024 22:07:01



LTE Band 2 / 15MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

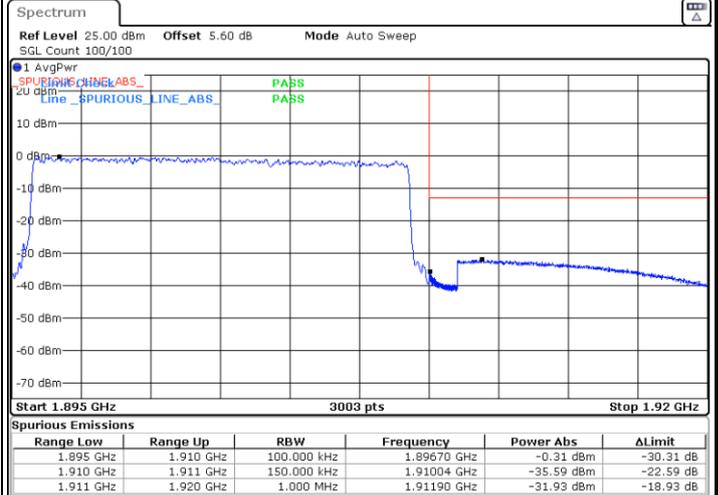
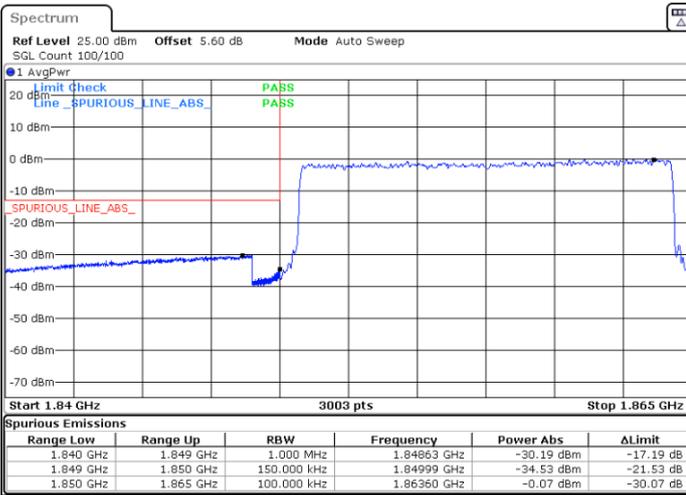


Date: 23.OCT.2024 21:51:09

Date: 23.OCT.2024 22:08:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



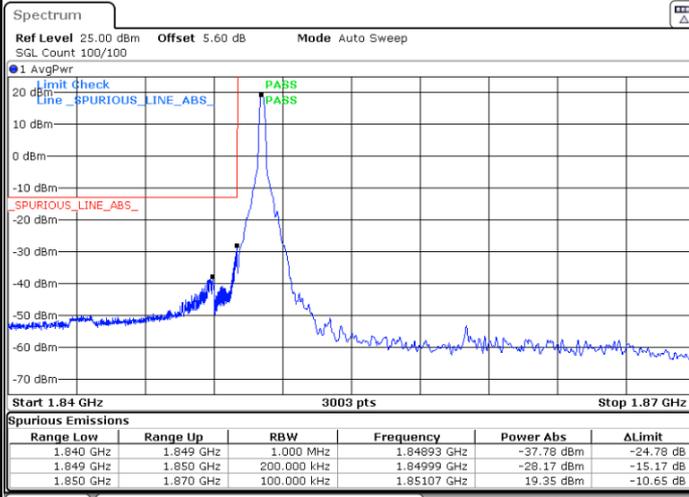
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Date: 23.OCT.2024 22:07:34



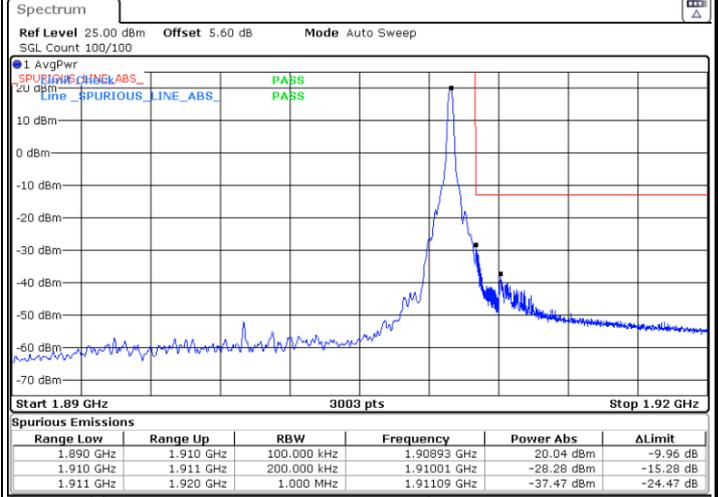
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



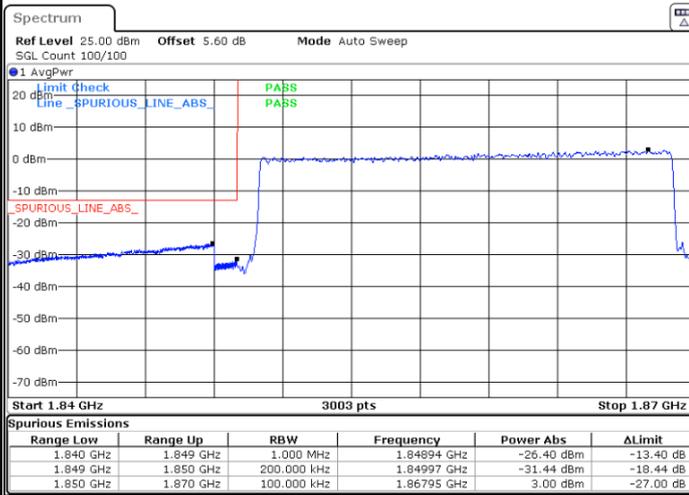
Date: 23.OCT.2024 21:10:29

Highest Band Edge / 1 RB



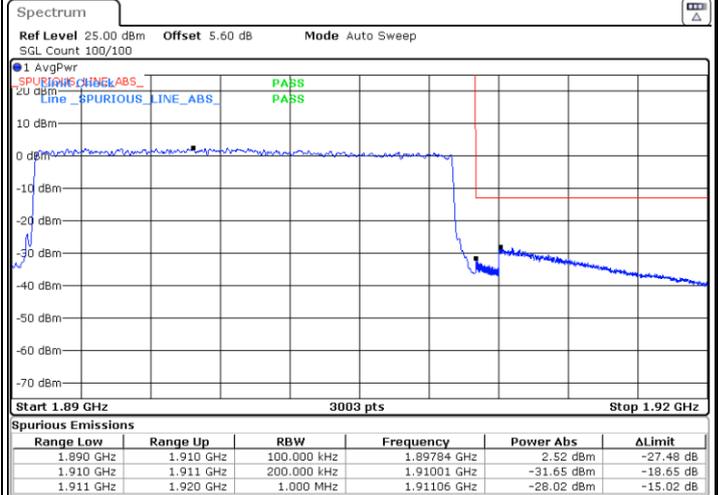
Date: 23.OCT.2024 21:18:56

Lowest Band Edge / Full RB



Date: 23.OCT.2024 21:13:49

Highest Band Edge / Full RB

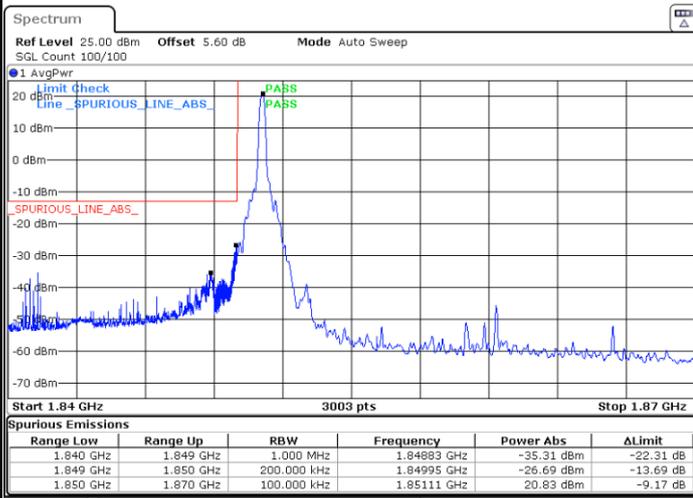


Date: 23.OCT.2024 21:22:40



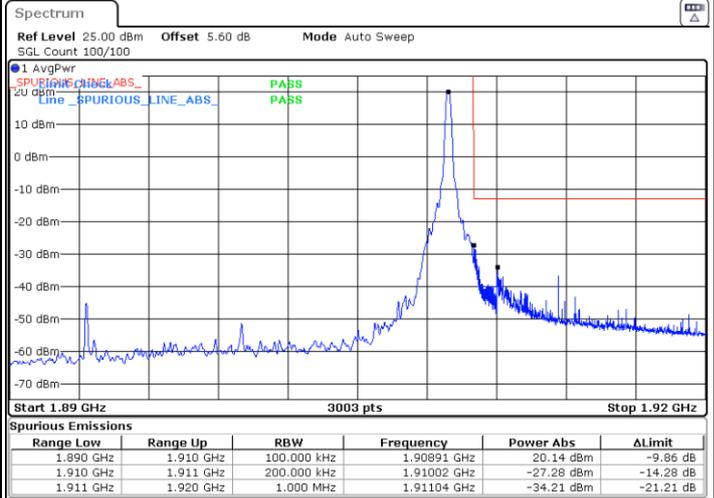
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



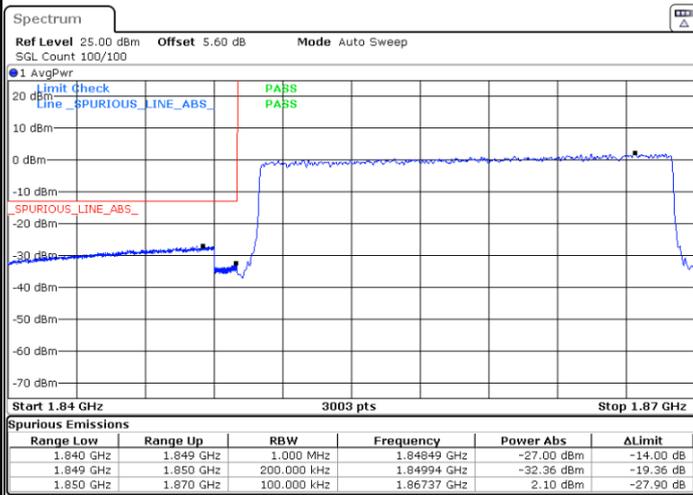
Date: 23.OCT.2024 21:10:49

Highest Band Edge / 1 RB



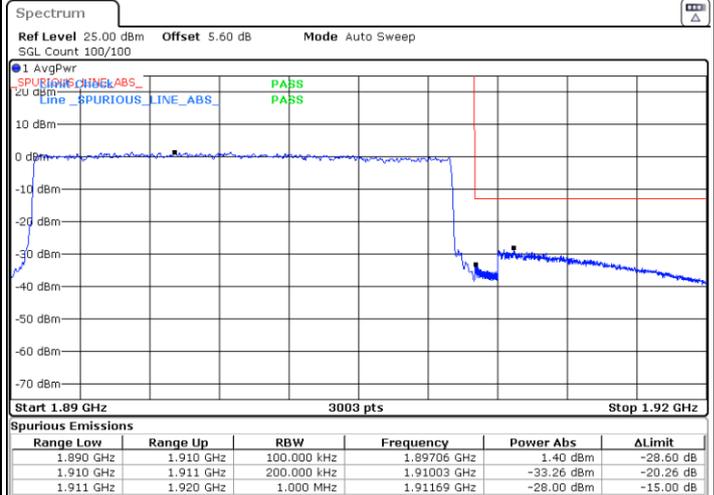
Date: 23.OCT.2024 21:19:16

Lowest Band Edge / Full RB



Date: 23.OCT.2024 21:13:19

Highest Band Edge / Full RB

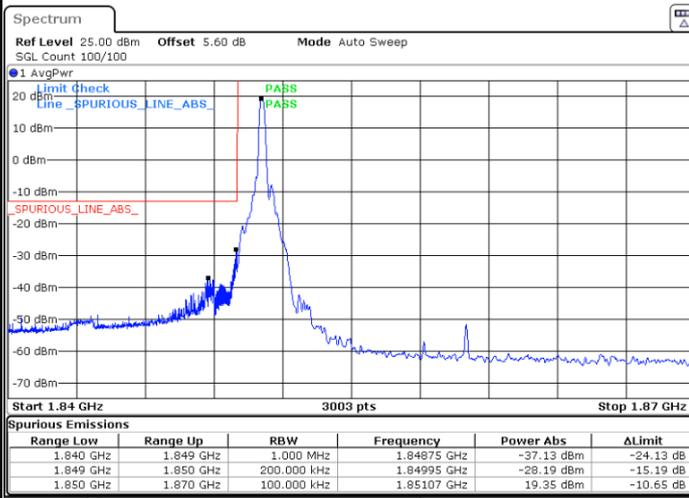


Date: 23.OCT.2024 21:21:31



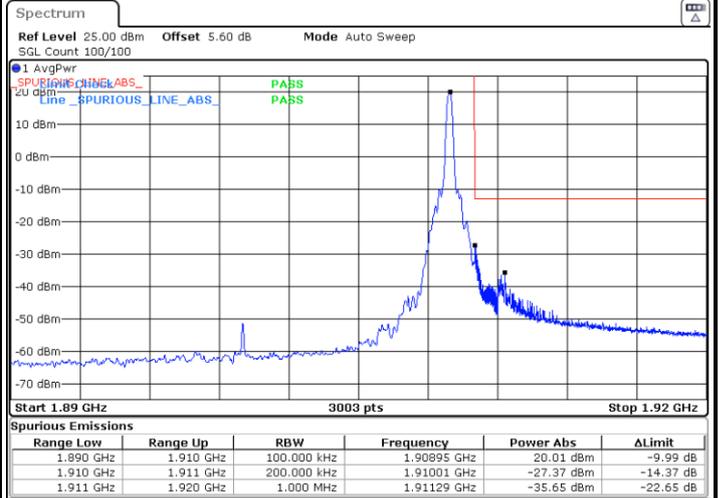
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



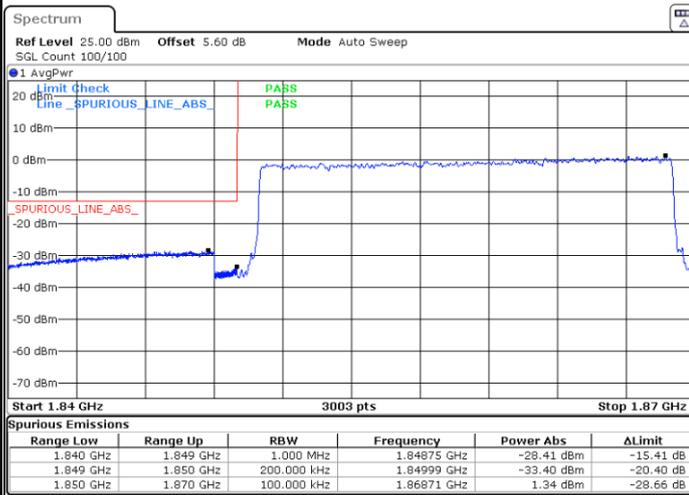
Date: 23.OCT.2024 21:11:09

Highest Band Edge / 1 RB



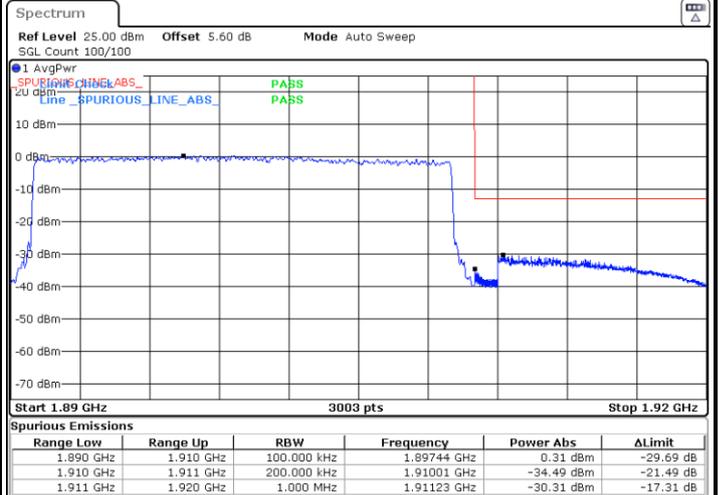
Date: 23.OCT.2024 21:19:47

Lowest Band Edge / Full RB



Date: 23.OCT.2024 21:12:35

Highest Band Edge / Full RB

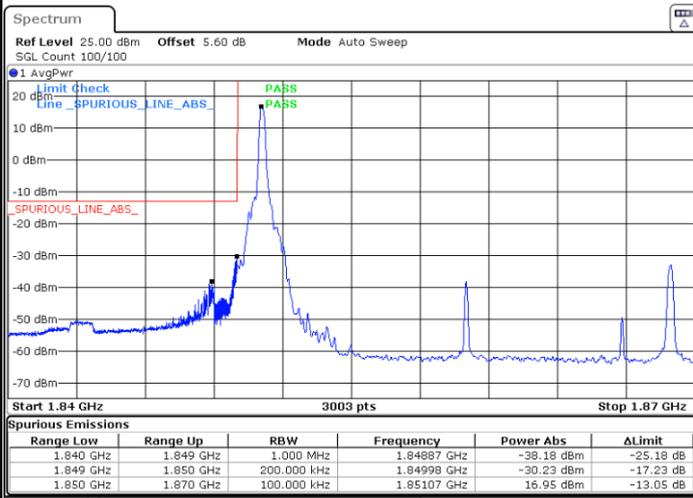


Date: 23.OCT.2024 21:21:02



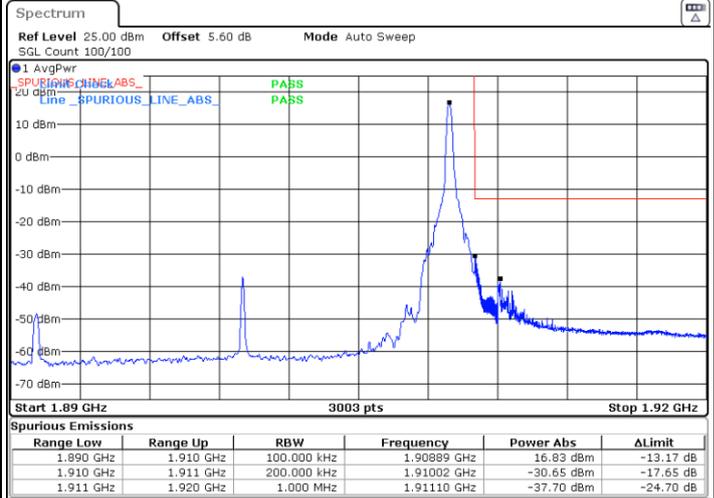
LTE Band 2 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



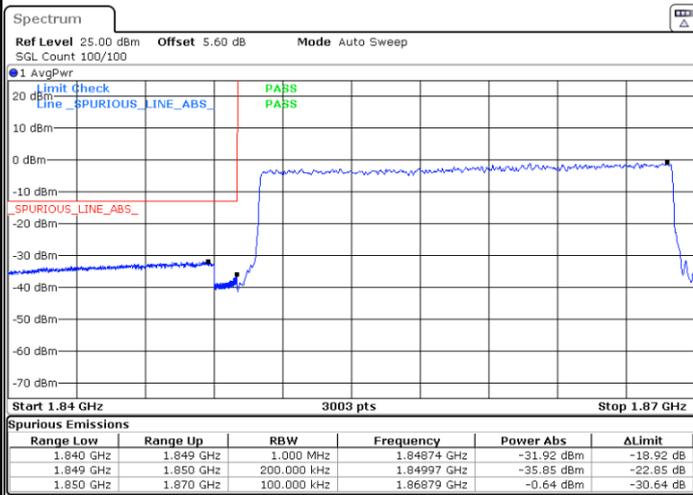
Date: 23.OCT.2024 21:11:28

Highest Band Edge / 1 RB



Date: 23.OCT.2024 21:20:06

Lowest Band Edge / Full RB



Date: 23.OCT.2024 21:11:57

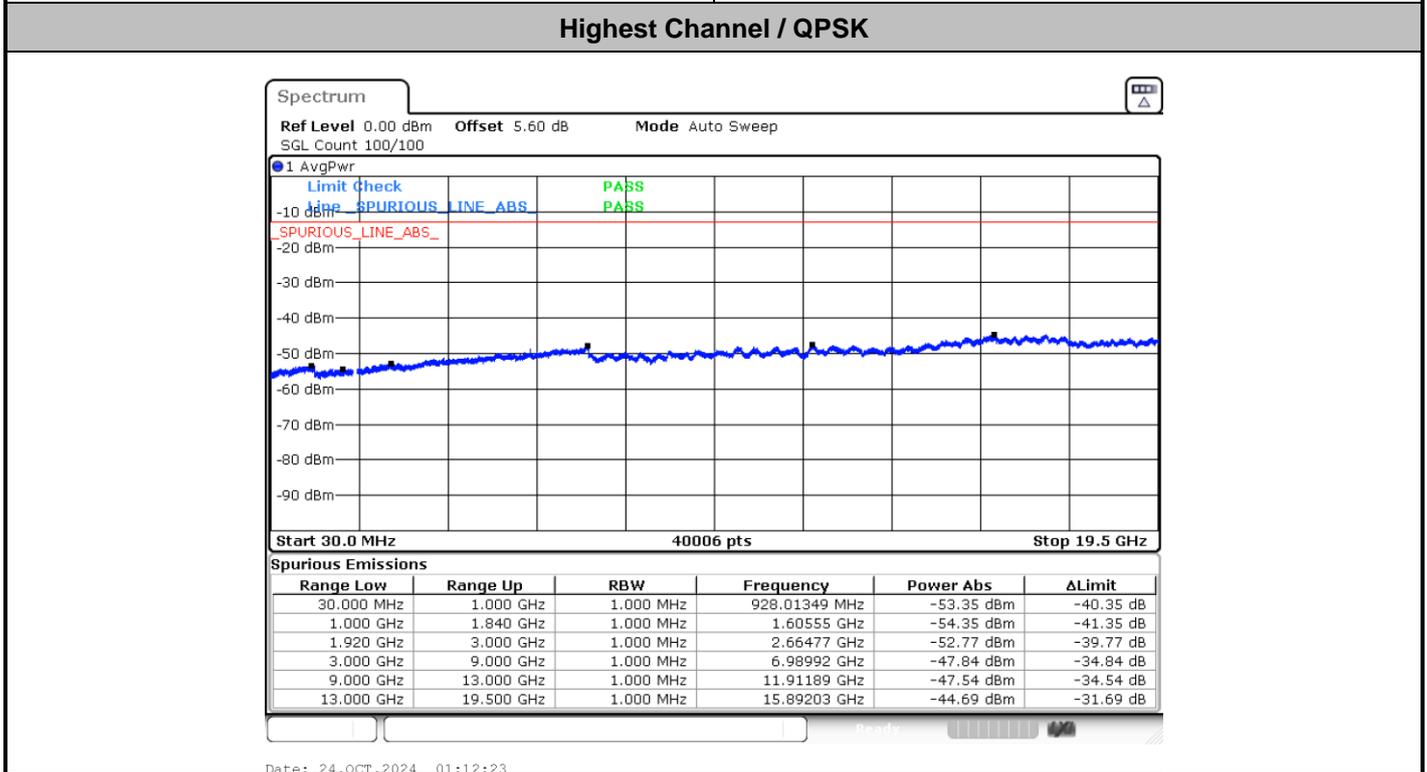
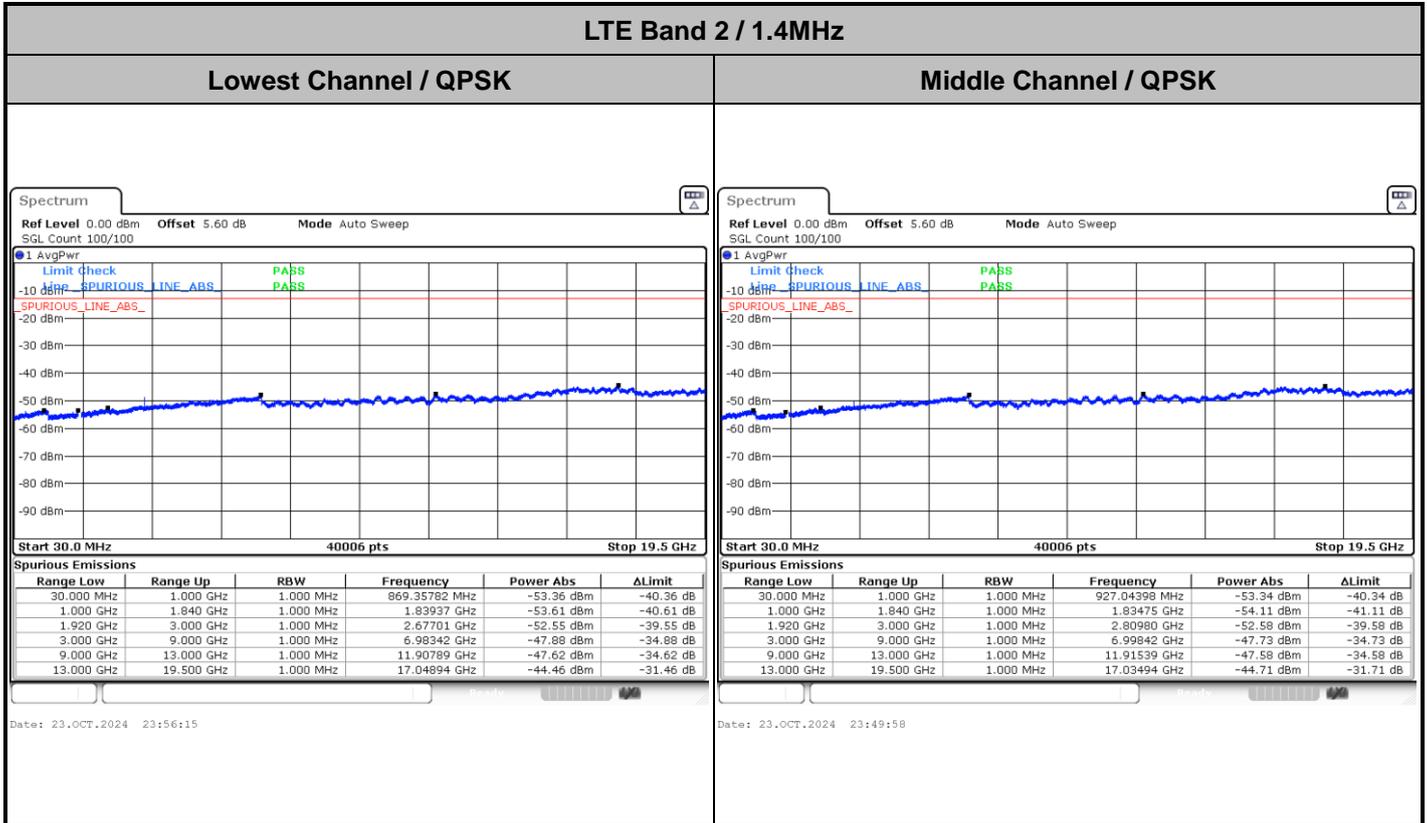
Highest Band Edge / Full RB



Date: 23.OCT.2024 21:20:33



# Conducted Spurious Emission

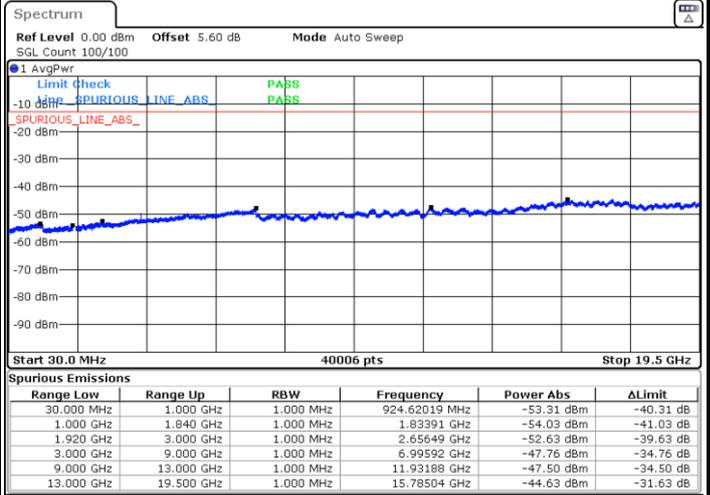
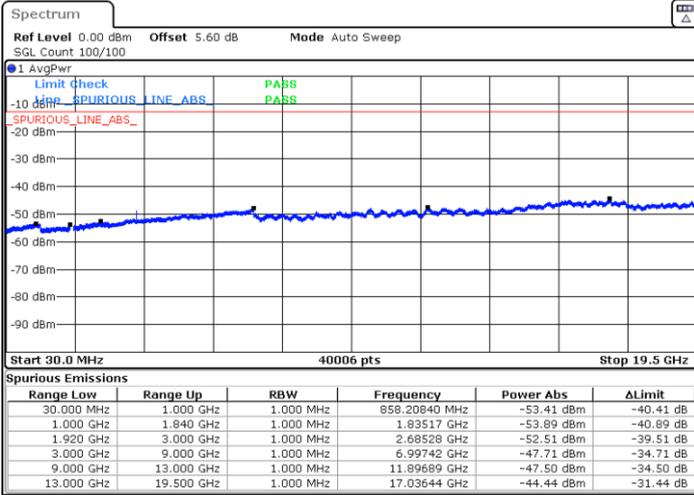




LTE Band 2 / 3MHz

Lowest Channel / QPSK

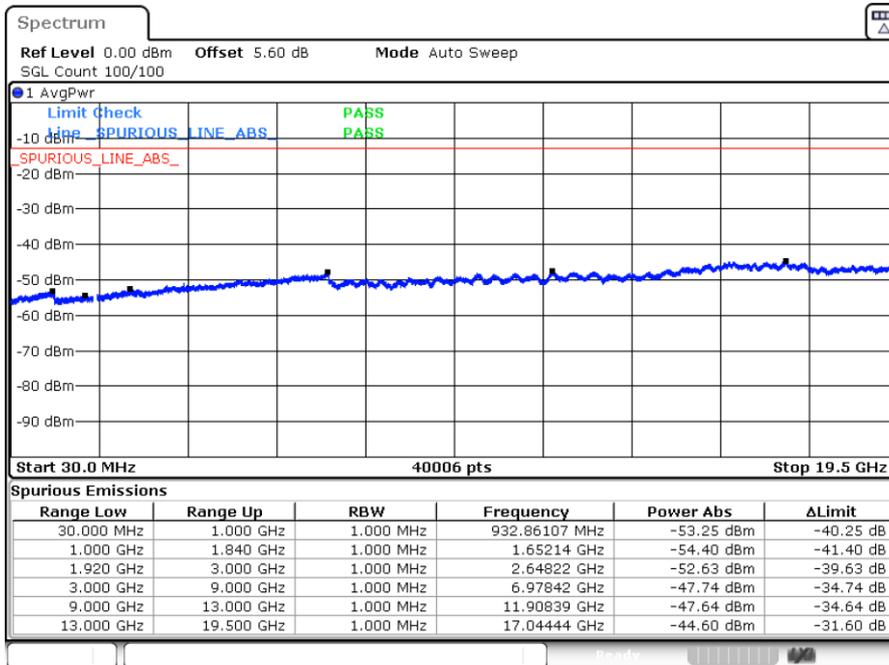
Middle Channel / QPSK



Date: 23.OCT.2024 22:58:09

Date: 23.OCT.2024 22:55:18

Highest Channel / QPSK



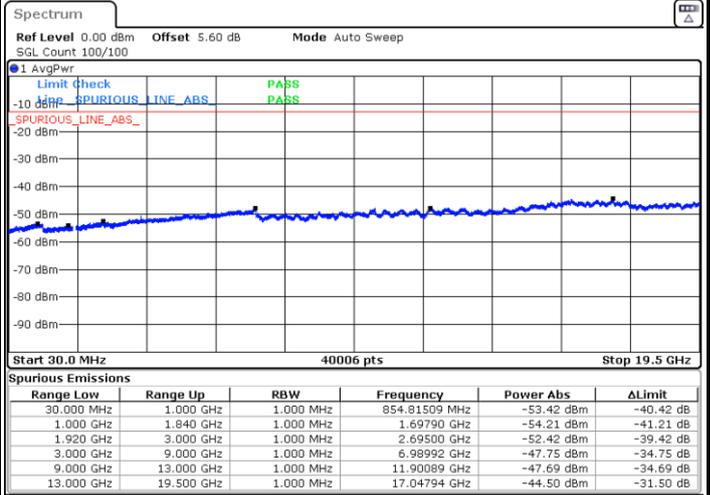
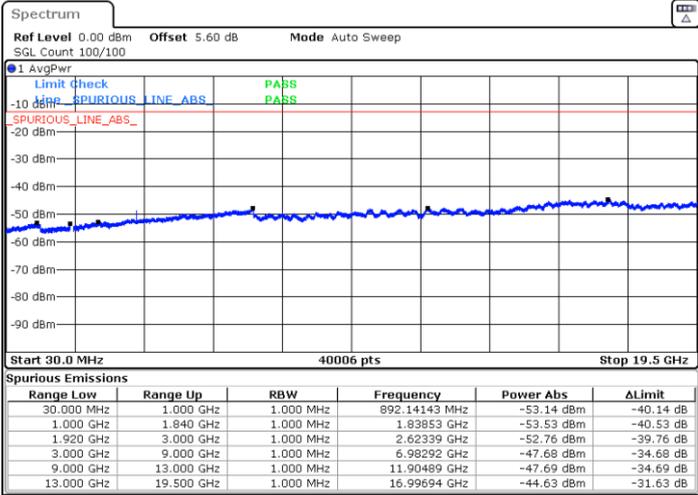
Date: 23.OCT.2024 23:16:25



LTE Band 2 / 5MHz

Lowest Channel / QPSK

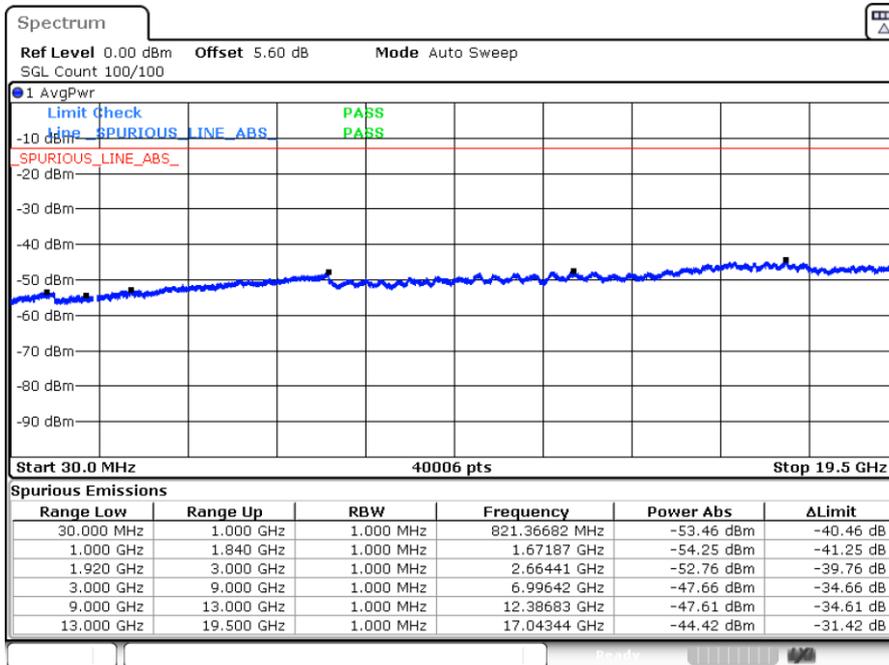
Middle Channel / QPSK



Date: 23.OCT.2024 22:40:39

Date: 23.OCT.2024 22:32:07

Highest Channel / QPSK



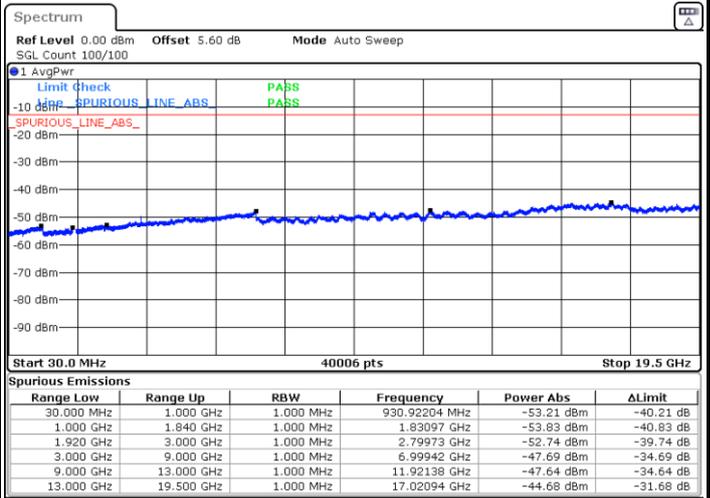
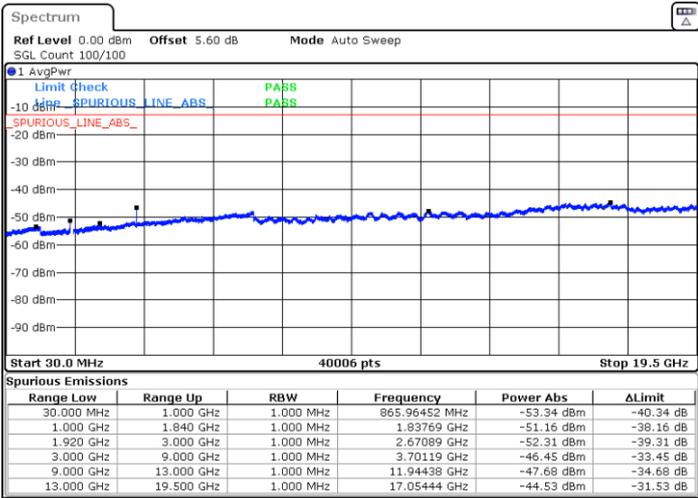
Date: 23.OCT.2024 22:48:59



LTE Band 2 / 10MHz

Lowest Channel / QPSK

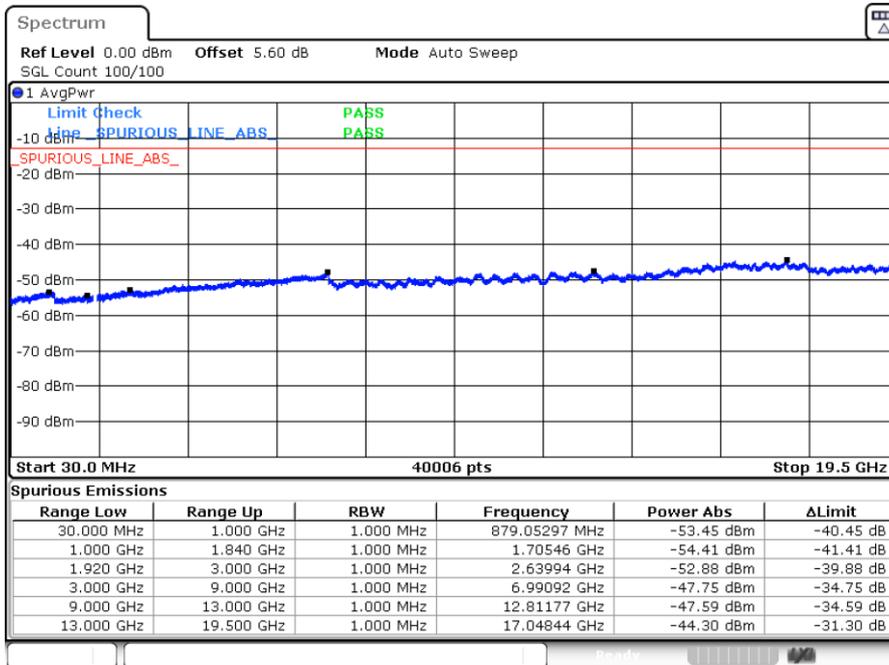
Middle Channel / QPSK



Date: 23.OCT.2024 22:17:04

Date: 23.OCT.2024 22:13:30

Highest Channel / QPSK



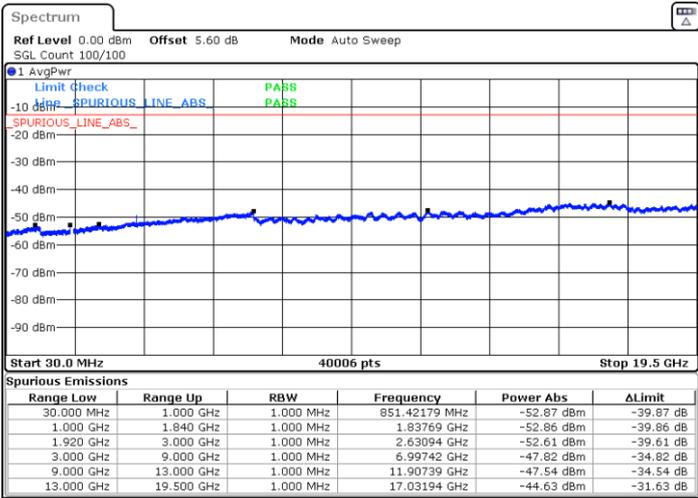
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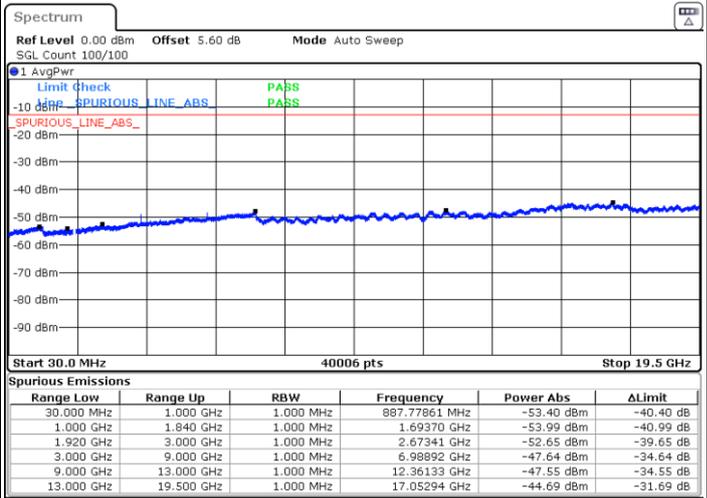
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

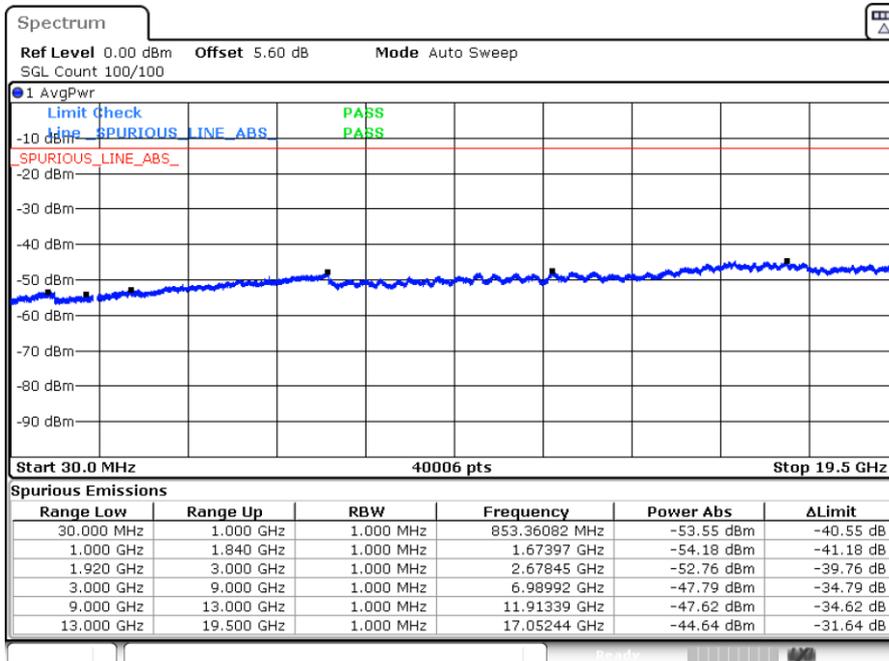


Date: 23.OCT.2024 21:59:17



Date: 23.OCT.2024 21:47:02

Highest Channel / QPSK



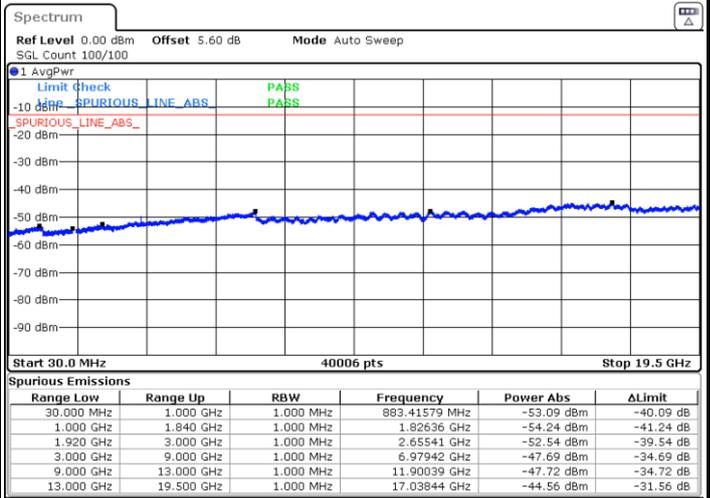
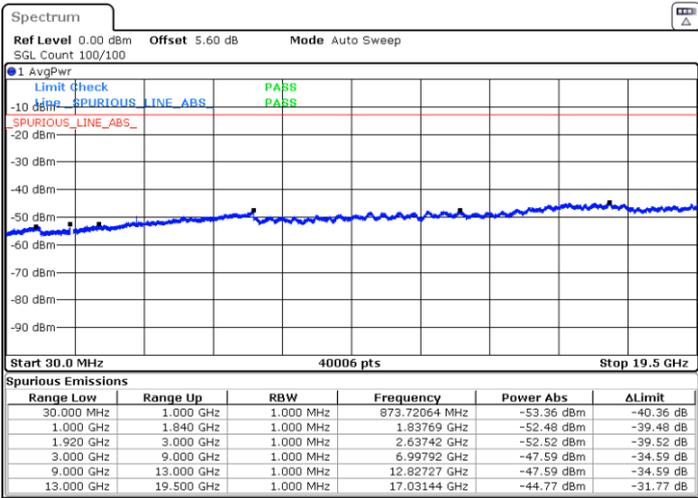
Date: 23.OCT.2024 22:04:59



LTE Band 2 / 20MHz

Lowest Channel / QPSK

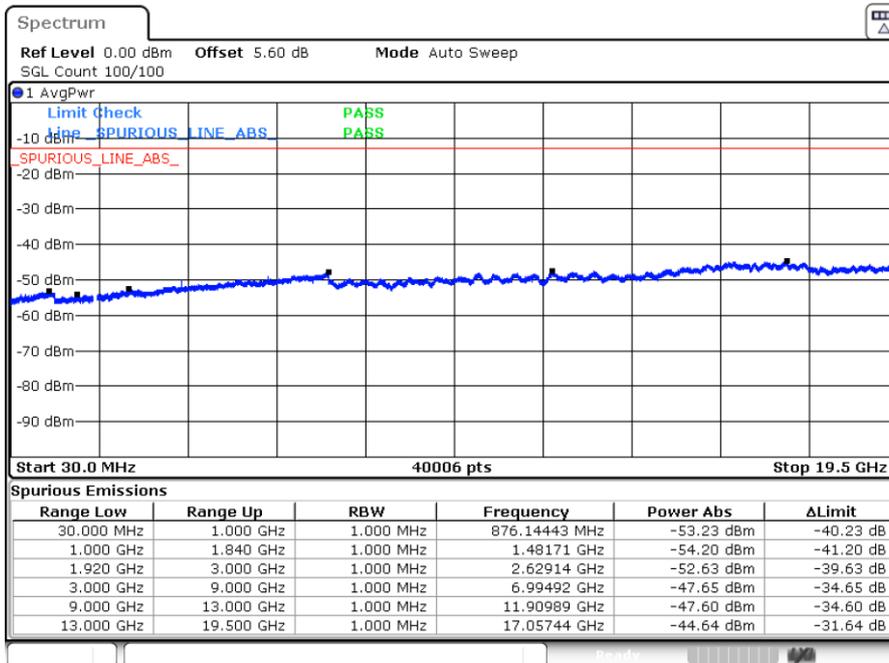
Middle Channel / QPSK



Date: 23.OCT.2024 21:15:51

Date: 23.OCT.2024 21:02:33

Highest Channel / QPSK



Date: 23.OCT.2024 21:18:18



Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0035	
20(Ref.)	Normal Voltage	0.0001	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0040	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0052	
20	Maximum Voltage	0.0037	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0018	

Note:

1. Normal Voltage = 3.77 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage = 4.2 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 :	Bruce	Temperature :	23~25°C
		Relative Humidity :	41~42%

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

LTE Band 2 / 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)
Middle	3742	-54.90	-13	-41.90	-67.16	2.64	14.90	H
	5613	-53.82	-13	-40.82	-65.68	2.94	14.80	H
	7484	-54.31	-13	-41.31	-64.08	3.39	13.16	H
	3742	-56.59	-13	-43.59	-68.85	2.64	14.90	V
	5613	-53.78	-13	-40.78	-65.64	2.94	14.80	V
	7484	-54.58	-13	-41.58	-64.35	3.39	13.16	V

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

LTE Band 2 / 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	3750	-49.72	-13	-36.72	-61.98	2.64	14.90	H
	5610	-53.78	-13	-40.78	-65.64	2.94	14.80	H
	7485	-51.95	-13	-38.95	-61.72	3.39	13.16	H
	3750	-50.21	-13	-37.21	-62.47	2.64	14.90	V
	5610	-53.96	-13	-40.96	-65.82	2.94	14.80	V
	7485	-51.99	-13	-38.99	-61.76	3.39	13.16	V

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



LTE Band 26 / 15MHz / 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	1656	-61.23	-13	-48.23	-68.20	1.58	10.70	H
	2488	-35.32	-13	-22.32	-43.57	2.102	12.50	H
	3319.36	-57.19	-13	-44.19	-66.08	2.856	13.90	H
	1659.68	-57.81	-13	-44.81	-64.78	1.58	10.70	V
	2488	-33.78	-13	-20.78	-42.03	2.10	12.50	V
	3320	-57.38	-13	-44.38	-66.27	2.86	13.90	V

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

LTE Band 66 / 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)
Middle	3495	-57.71	-13	-44.71	-68.45	2.604	13.34	H
	5238.27	-54.35	-13	-41.35	-64.86	3.011	13.52	H
	6984.36	-53.87	-13	-40.87	-64.07	3.271	13.47	H
	3495	-57.22	-13	-44.22	-67.96	2.604	13.34	V
	5238.27	-54.47	-13	-41.47	-64.98	3.011	13.52	V
	6984.36	-54.65	-13	-41.65	-64.85	3.271	13.47	V

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