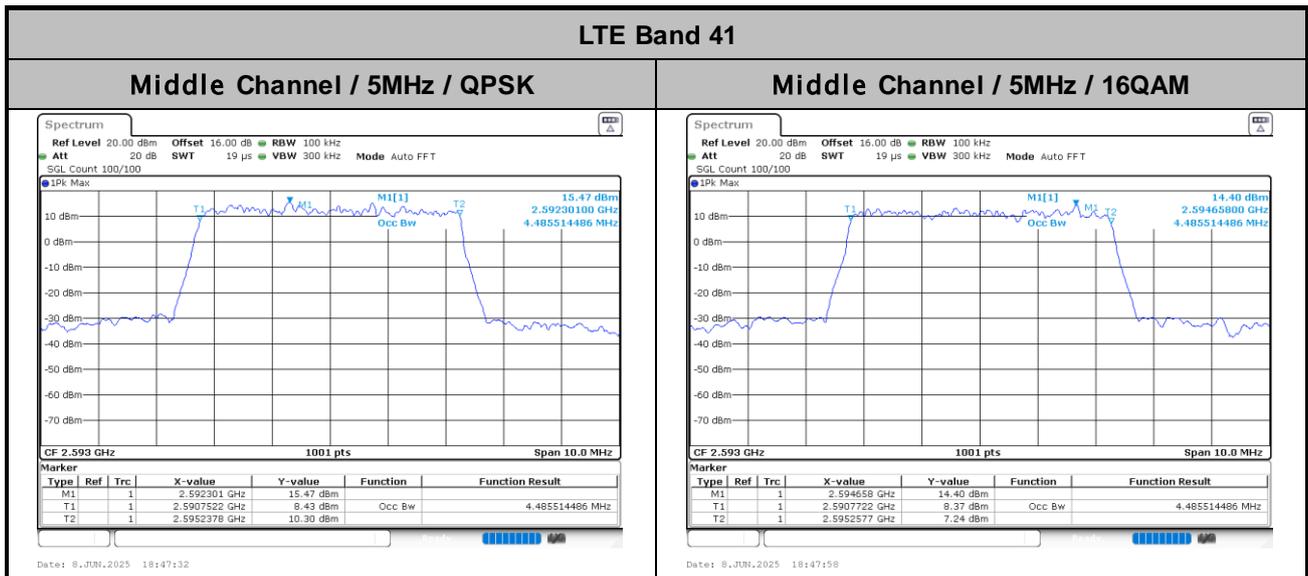




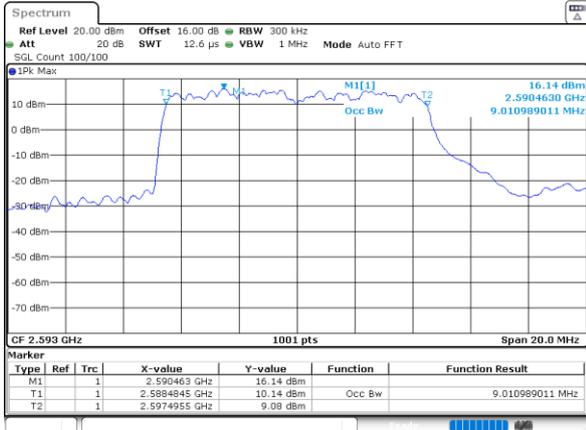
Occupied Bandwidth

Mode	LTE Band 41: 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.65	9.67
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.15	14.12
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.66	19.10

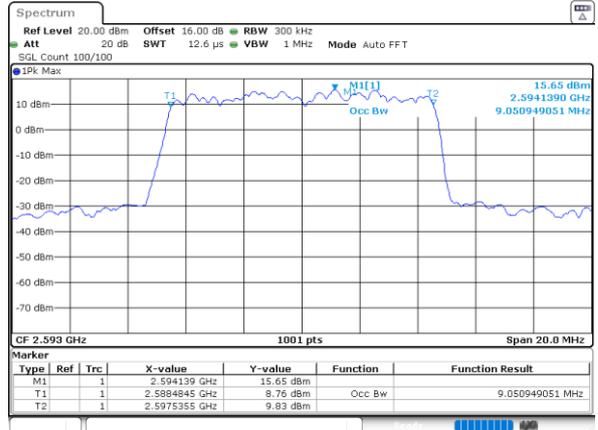




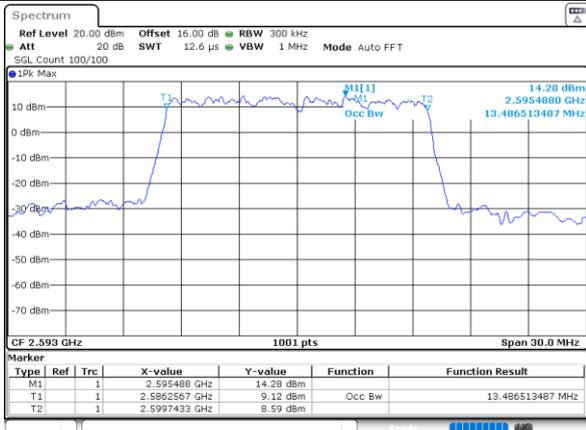
Middle Channel / 10MHz / QPSK



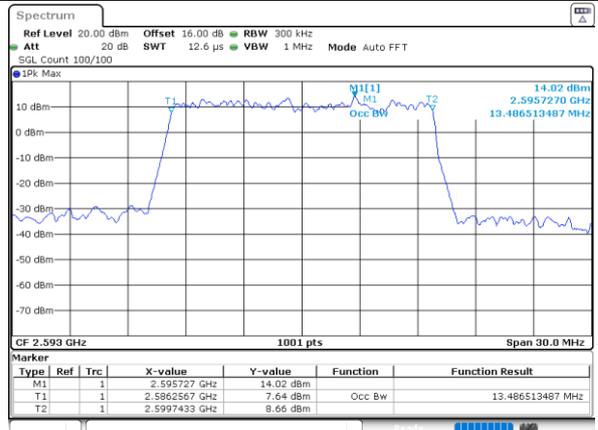
Middle Channel / 10MHz / 16QAM



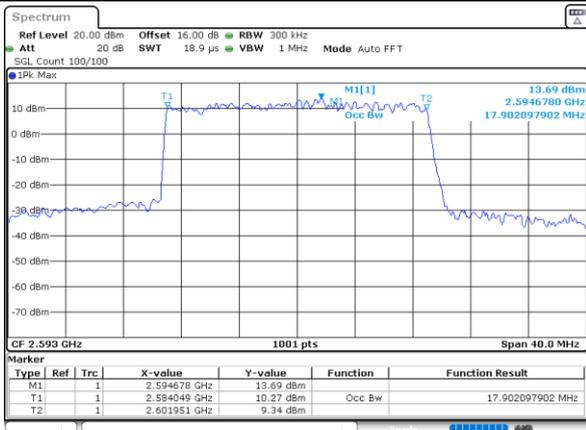
Middle Channel / 15MHz / QPSK



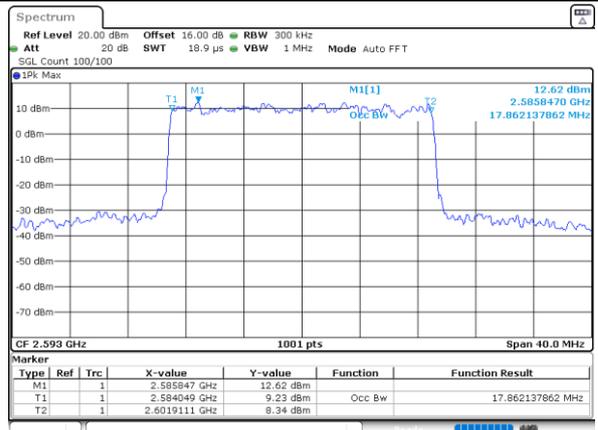
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM





Conducted Band Edge

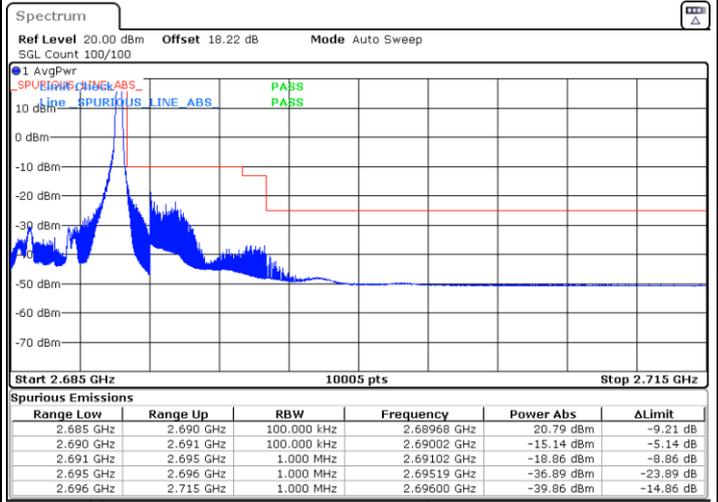
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 8 JUN, 2025 16:56:57

Highest Band Edge / 1 RB



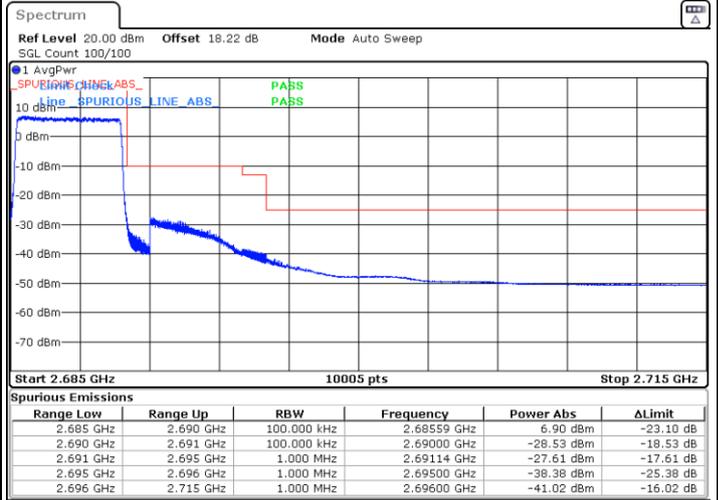
Date: 8 JUN, 2025 17:06:24

Lowest Band Edge / Full RB



Date: 8 JUN, 2025 17:00:16

Highest Band Edge / Full RB

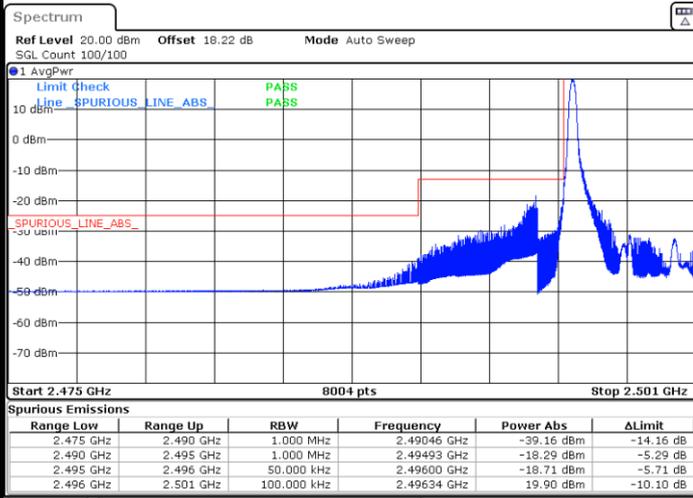


Date: 8 JUN, 2025 17:09:42



LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



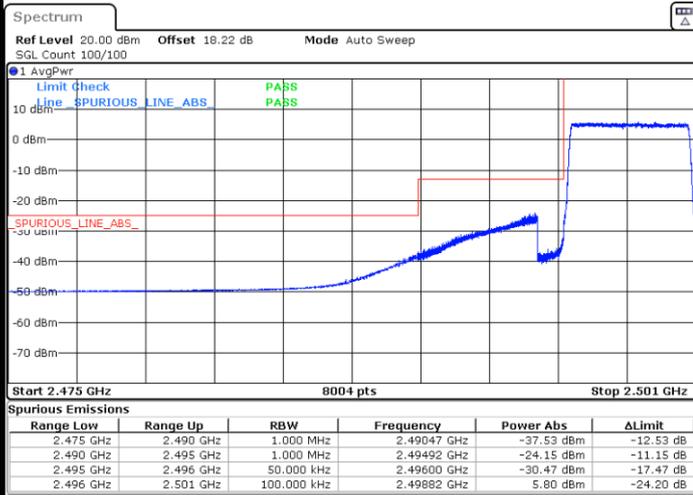
Date: 8 JUN.2025 16:58:03

Highest Band Edge / 1 RB



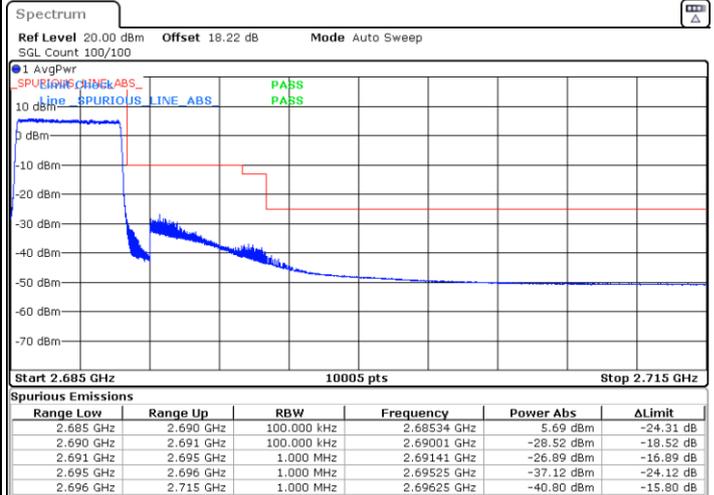
Date: 8 JUN.2025 17:07:30

Lowest Band Edge / Full RB



Date: 8 JUN.2025 17:01:22

Highest Band Edge / Full RB

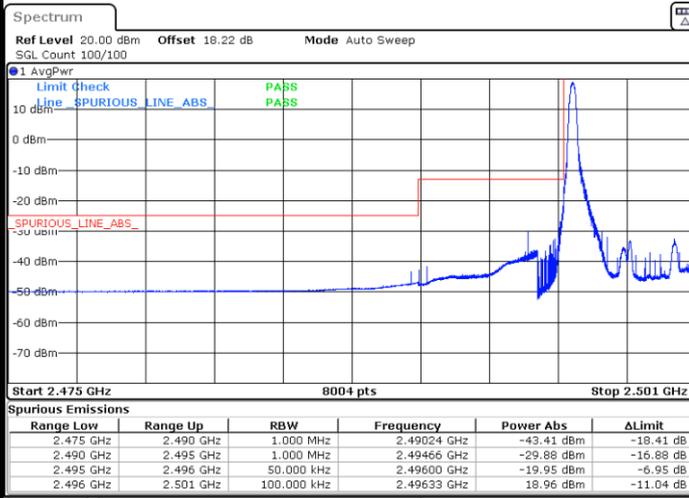


Date: 8 JUN.2025 17:10:48



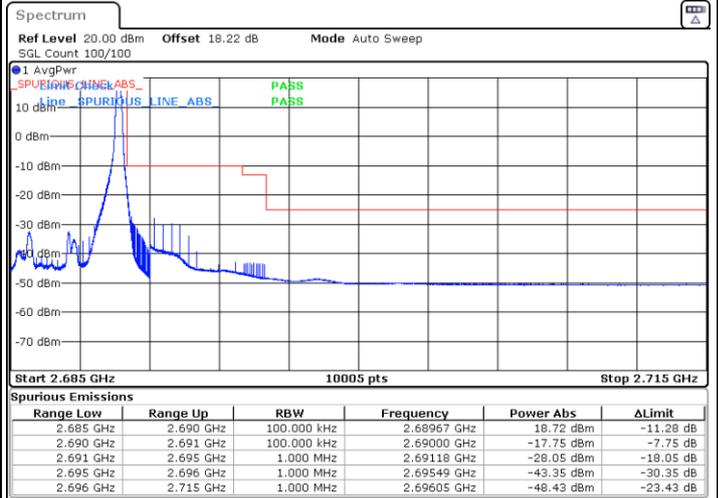
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



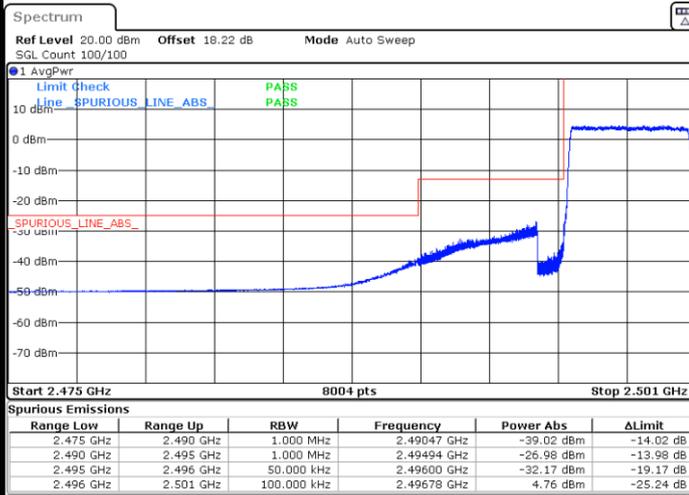
Date: 8 JUN.2025 16:59:10

Highest Band Edge / 1 RB



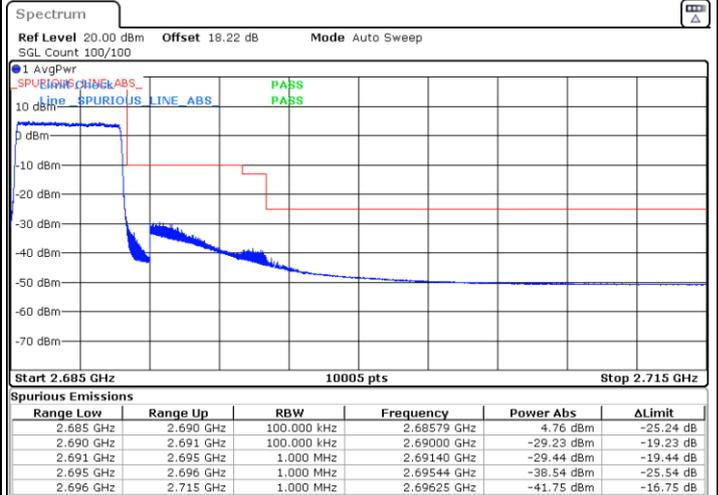
Date: 8 JUN.2025 17:08:36

Lowest Band Edge / Full RB



Date: 8 JUN.2025 17:02:29

Highest Band Edge / Full RB

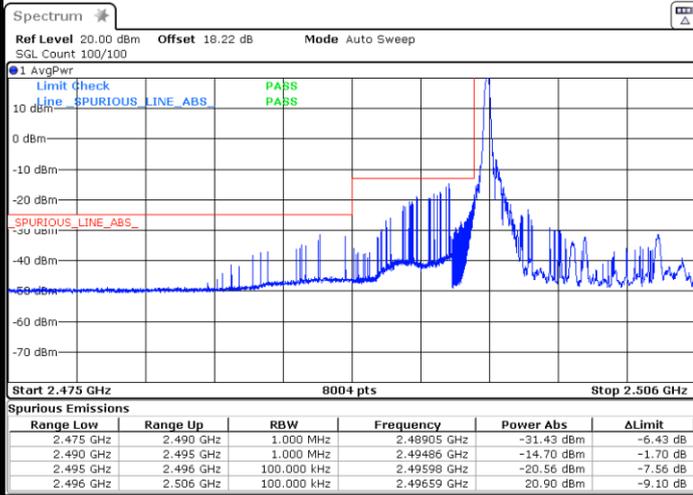


Date: 8 JUN.2025 17:11:54



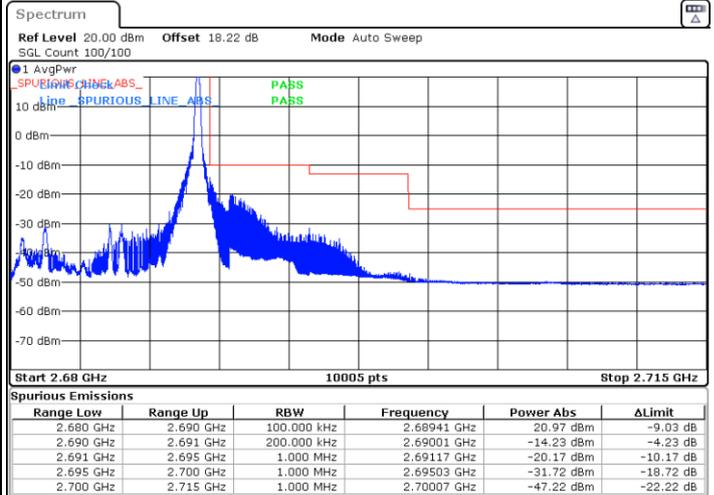
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



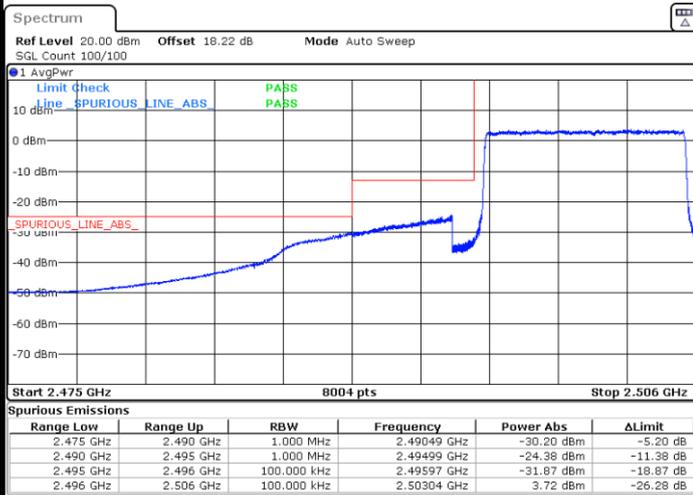
Date: 8 JUN 2025 18:33:41

Highest Band Edge / 1 RB



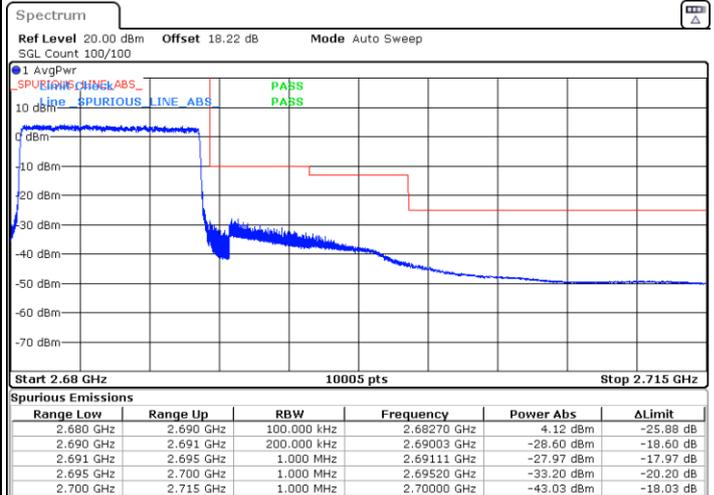
Date: 8 JUN 2025 17:24:25

Lowest Band Edge / Full RB



Date: 8 JUN 2025 17:18:17

Highest Band Edge / Full RB

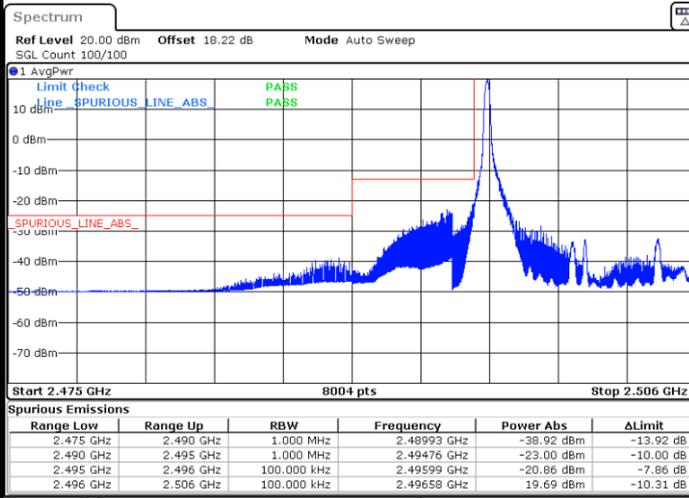


Date: 8 JUN 2025 17:27:43



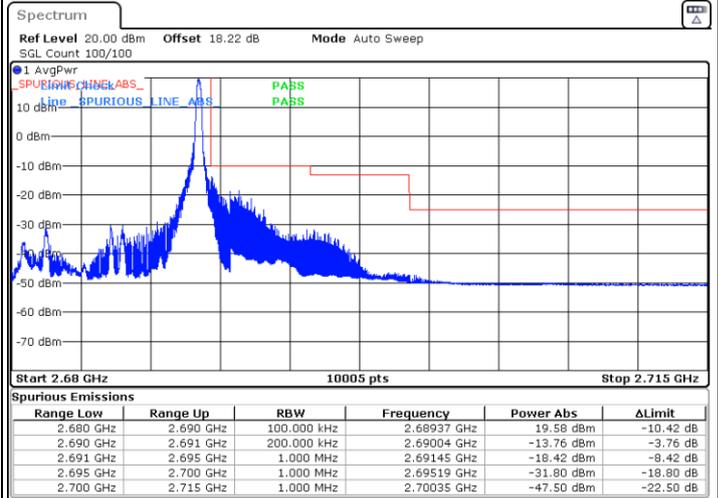
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



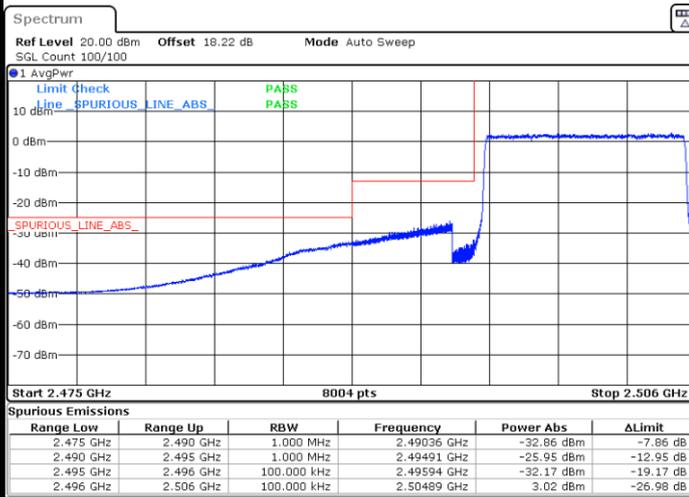
Date: 8 JUN.2025 17:16:04

Highest Band Edge / 1 RB



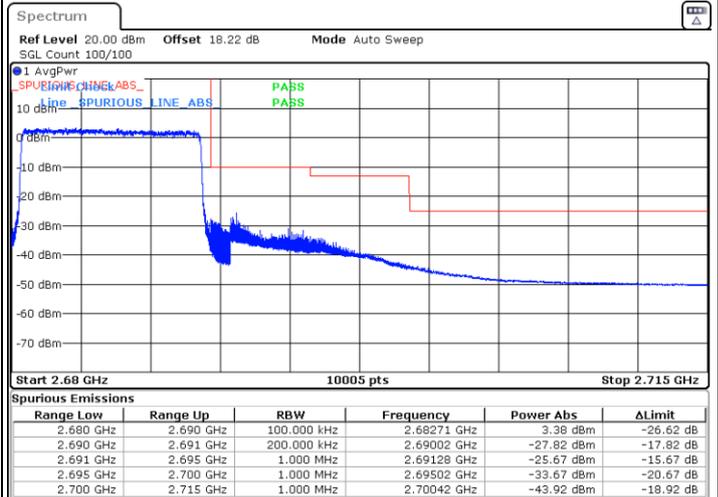
Date: 8 JUN.2025 17:25:31

Lowest Band Edge / Full RB



Date: 8 JUN.2025 17:19:23

Highest Band Edge / Full RB



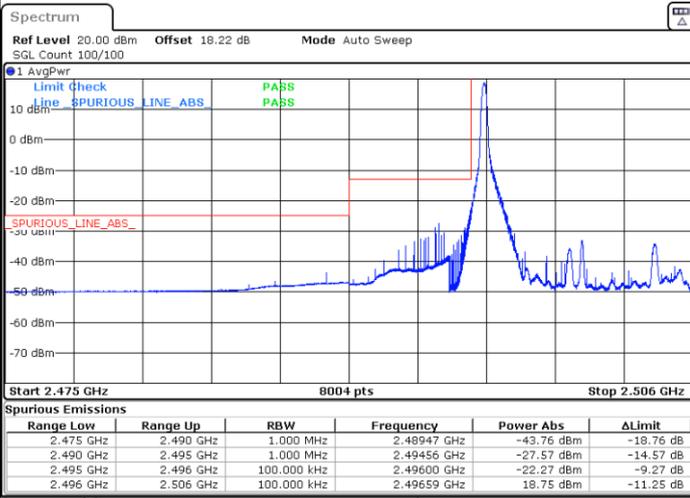
Date: 8 JUN.2025 17:28:49



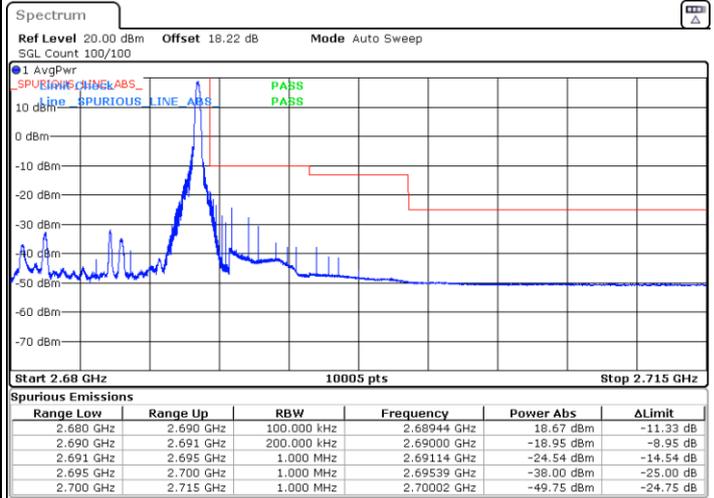
LTE Band 41/ 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 8 JUN.2025 17:17:11



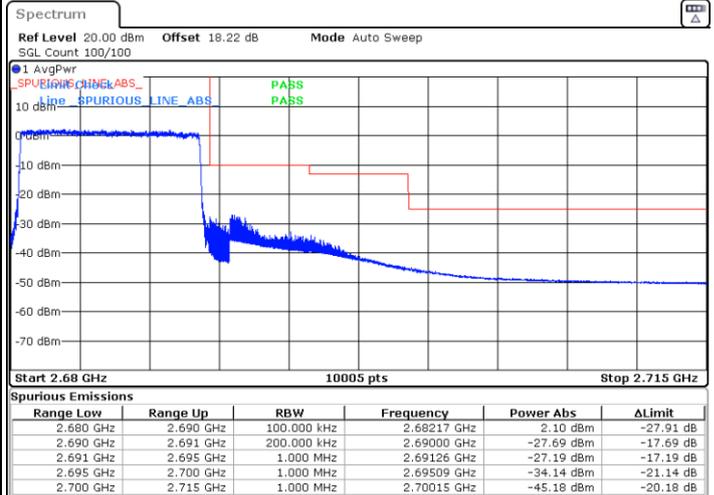
Date: 8 JUN.2025 17:26:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8 JUN.2025 17:20:29

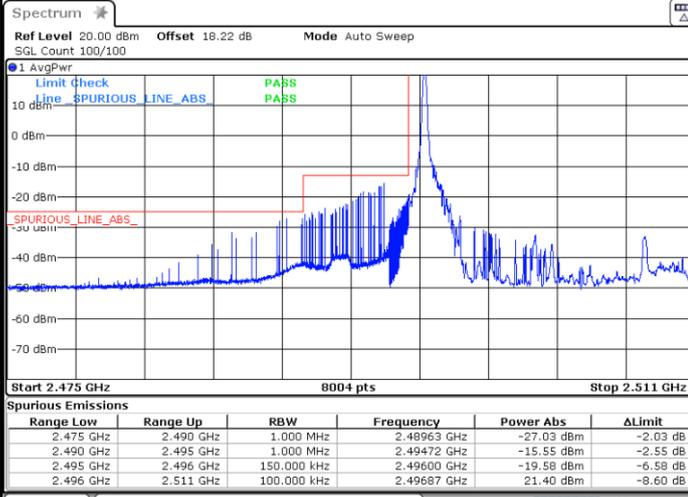


Date: 8 JUN.2025 17:29:55

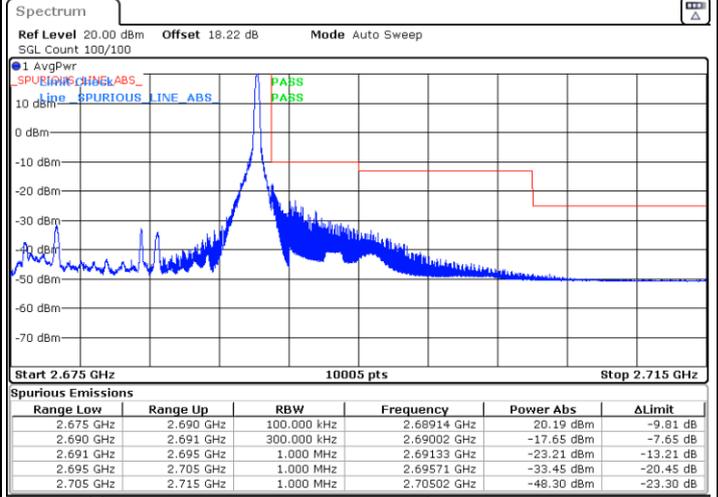


LTE Band 41 / 15MHz / QPSK

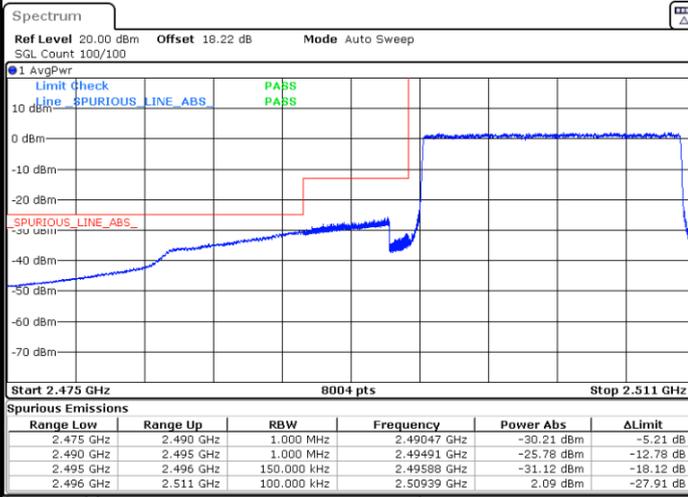
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



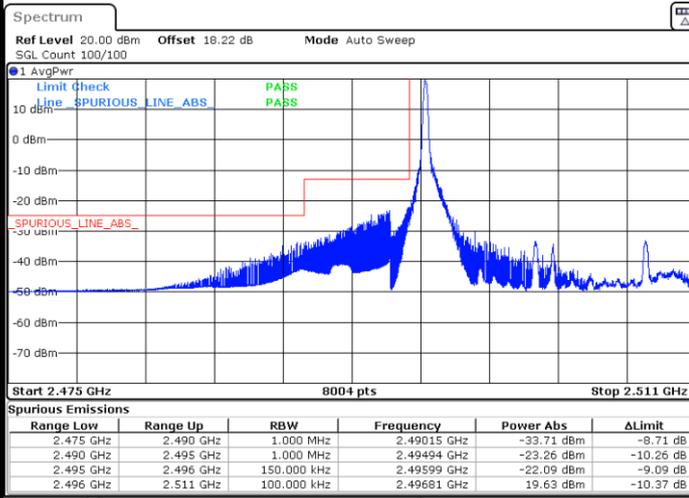
Highest Band Edge / Full RB





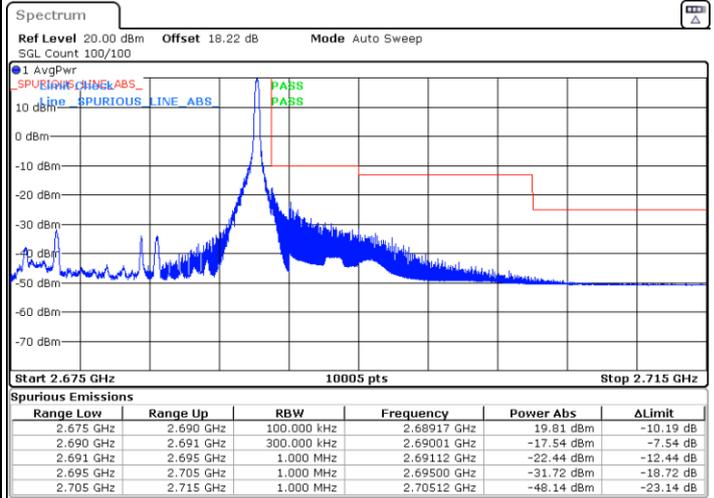
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



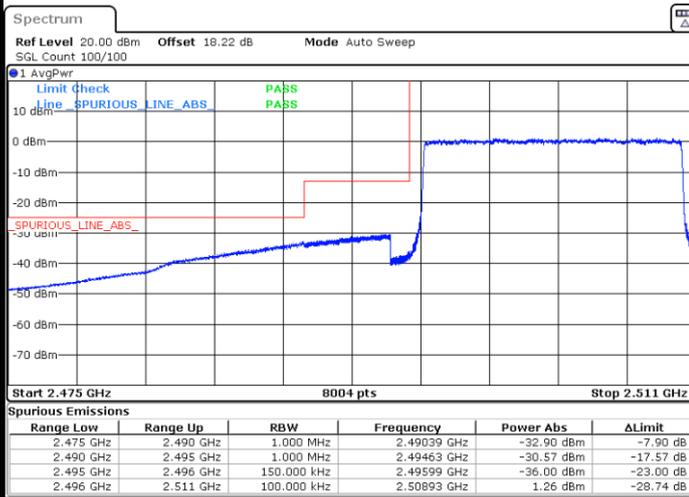
Date: 8 JUN.2025 17:38:47

Highest Band Edge / 1 RB



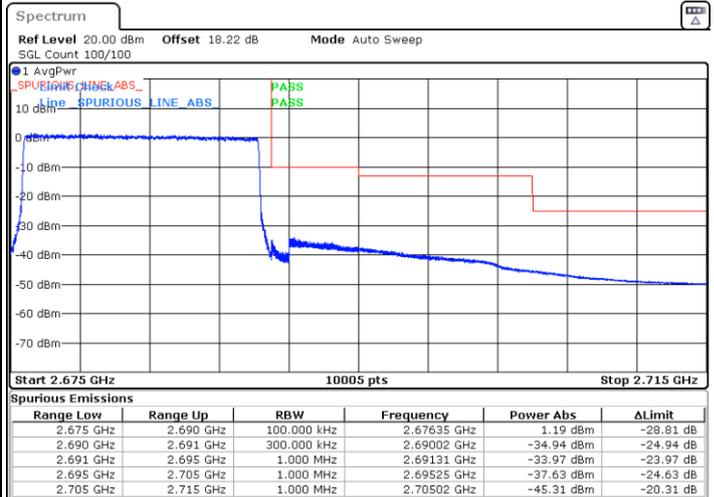
Date: 8 JUN.2025 17:48:14

Lowest Band Edge / Full RB



Date: 8 JUN.2025 17:42:06

Highest Band Edge / Full RB

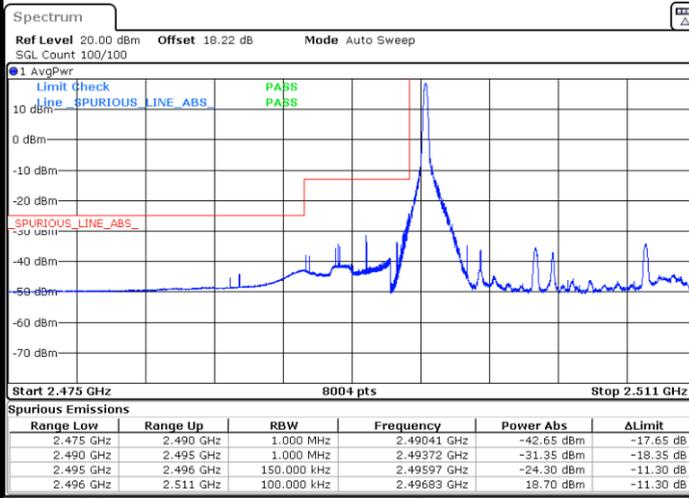


Date: 8 JUN.2025 17:51:31



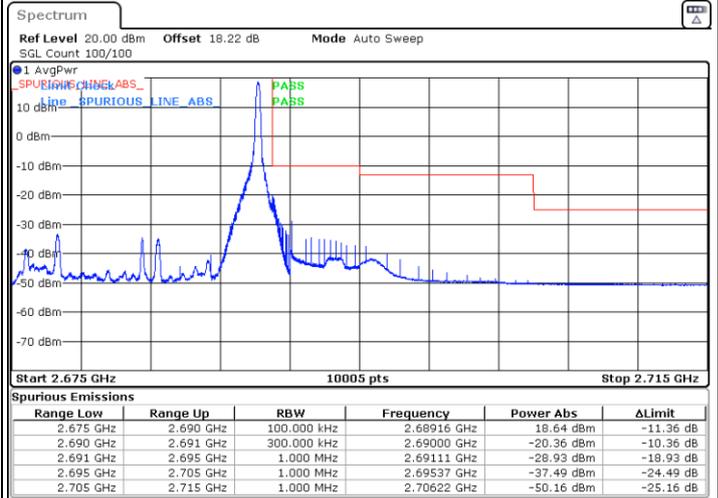
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



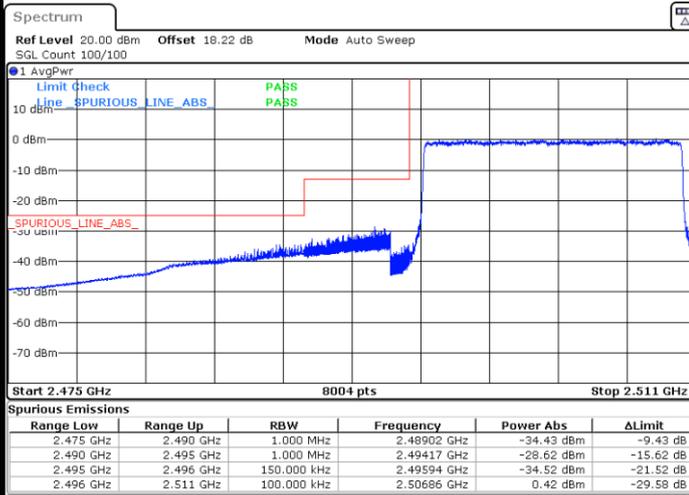
Date: 8.JUN.2025 17:39:53

Highest Band Edge / 1 RB



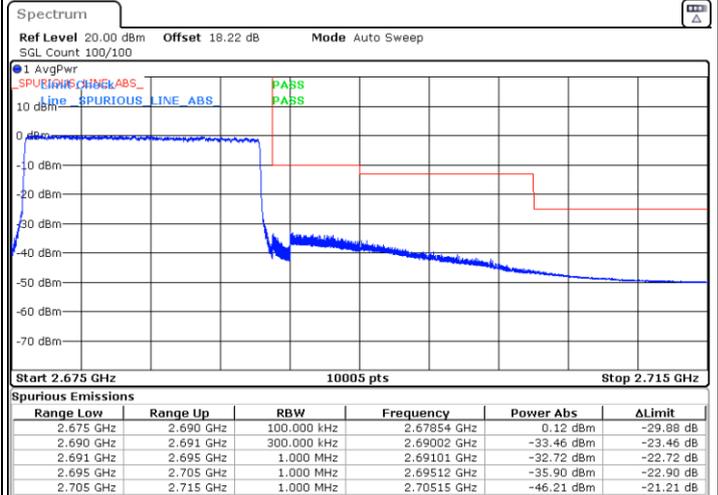
Date: 8.JUN.2025 17:49:19

Lowest Band Edge / Full RB



Date: 8.JUN.2025 17:43:12

Highest Band Edge / Full RB

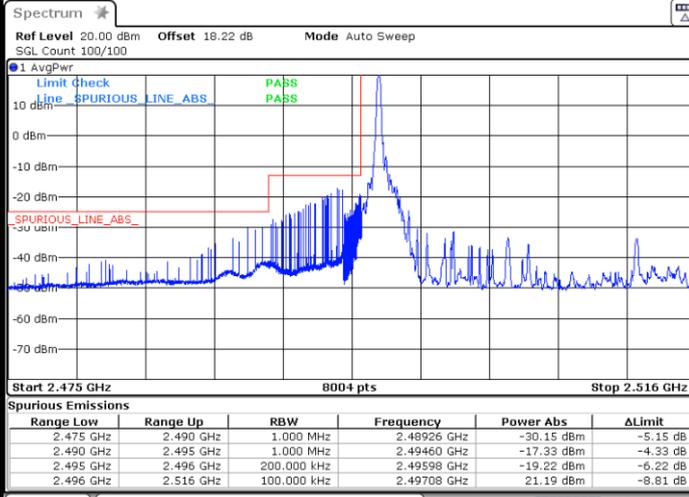


Date: 8.JUN.2025 17:52:37



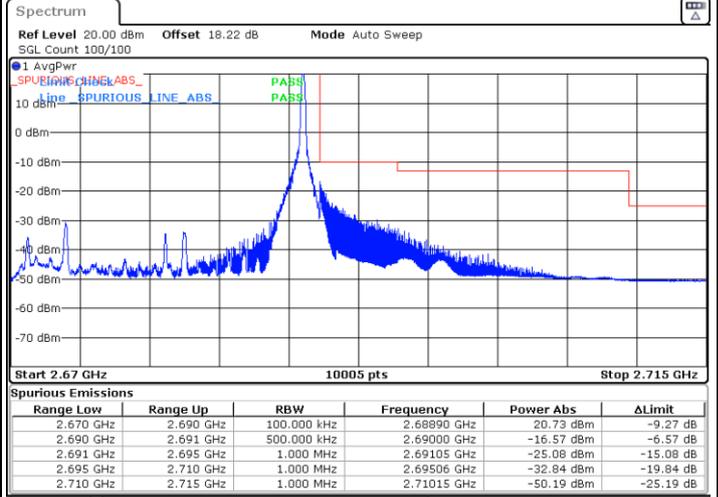
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



Date: 8 JUN.2025 18:38:06

Highest Band Edge / 1 RB



Date: 8 JUN.2025 18:11:38

Lowest Band Edge / Full RB



Date: 8 JUN.2025 18:05:29

Highest Band Edge / Full RB

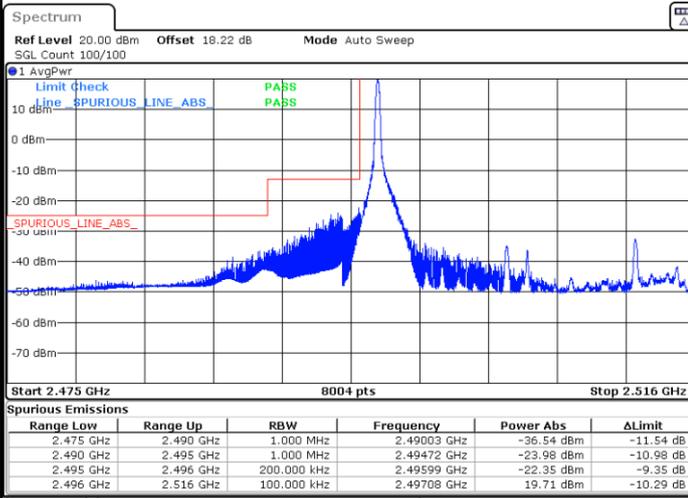


Date: 8 JUN.2025 18:14:56



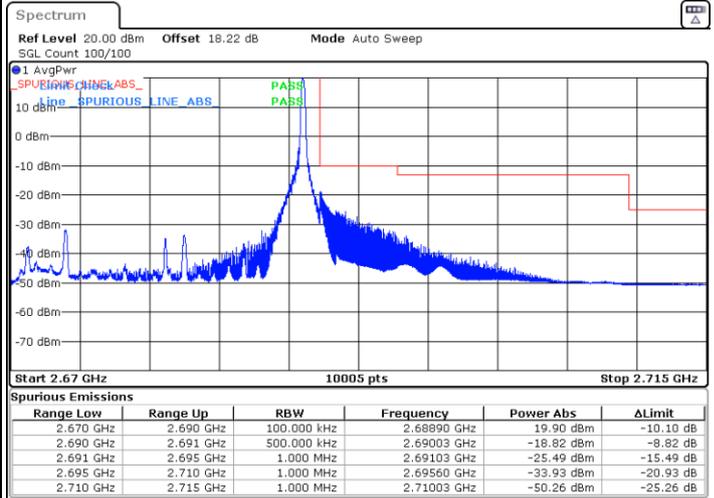
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



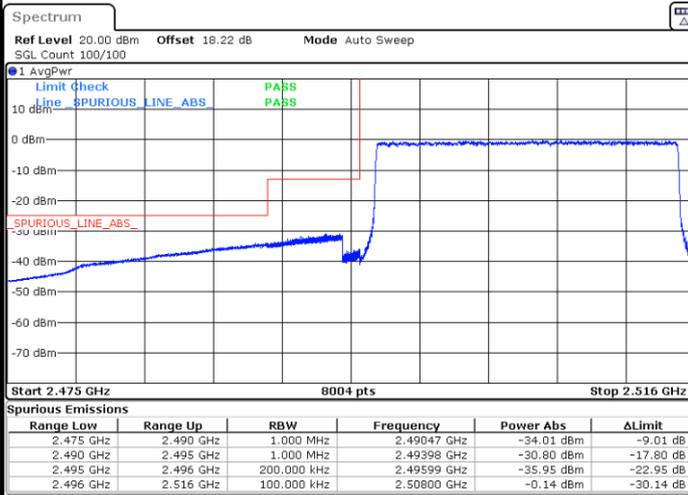
Date: 8 JUN, 2025 18:03:15

Highest Band Edge / 1 RB



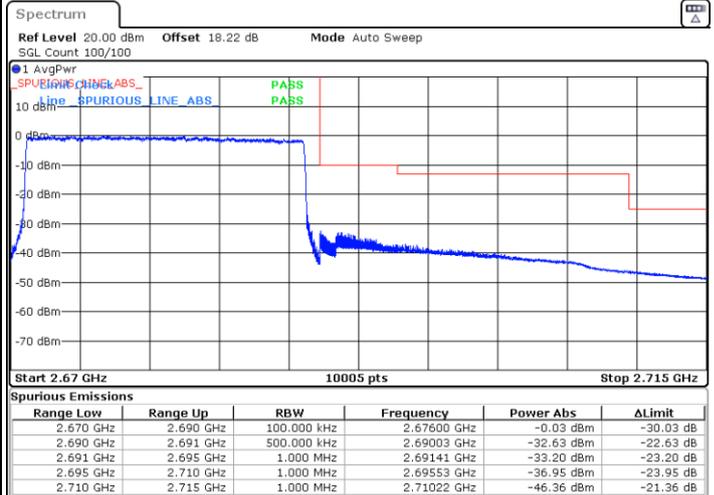
Date: 8 JUN, 2025 18:12:44

Lowest Band Edge / Full RB



Date: 8 JUN, 2025 18:06:35

Highest Band Edge / Full RB

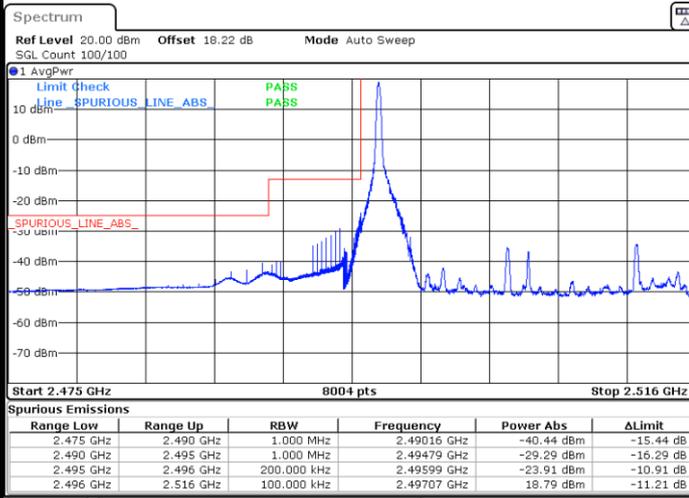


Date: 8 JUN, 2025 18:16:02



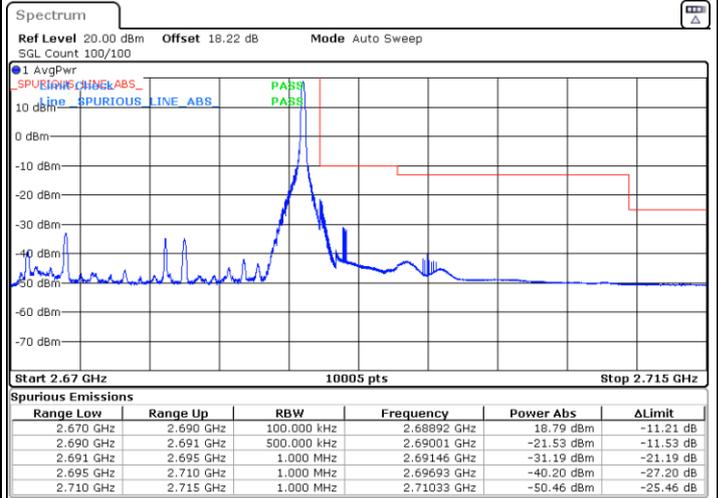
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



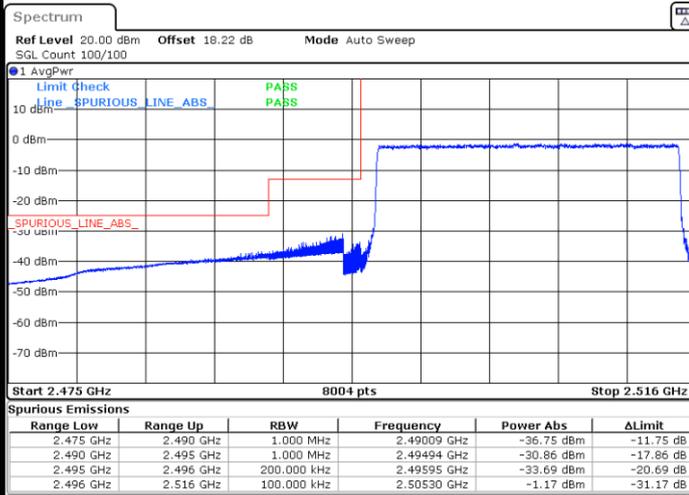
Date: 8.JUN.2025 18:04:21

Highest Band Edge / 1 RB



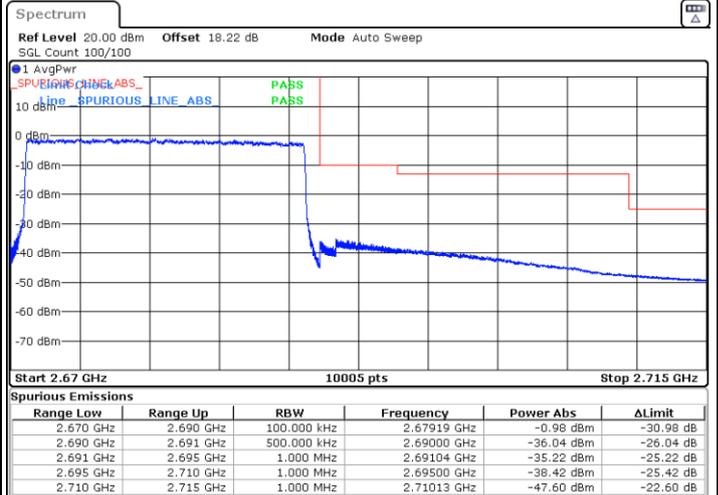
Date: 8.JUN.2025 18:13:50

Lowest Band Edge / Full RB



Date: 8.JUN.2025 18:07:41

Highest Band Edge / Full RB



Date: 8.JUN.2025 18:17:07

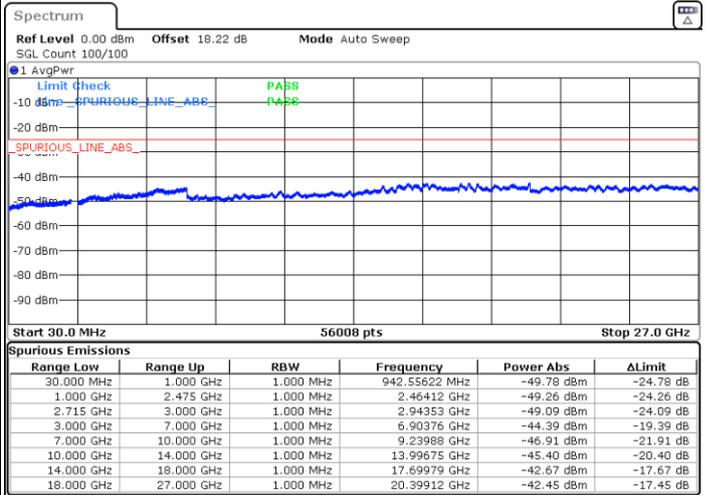
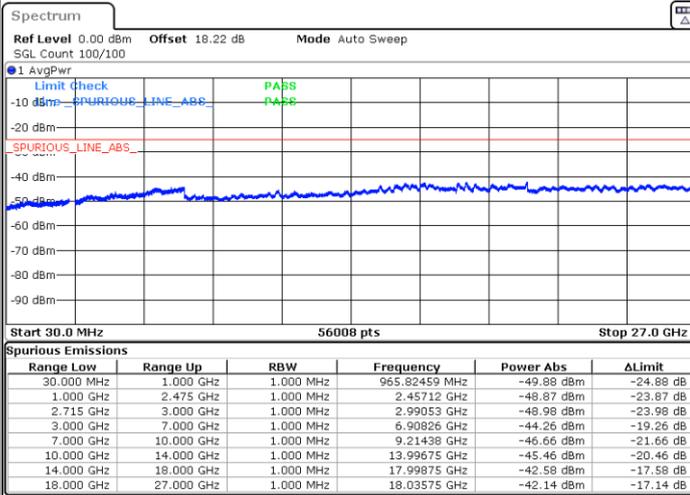


Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

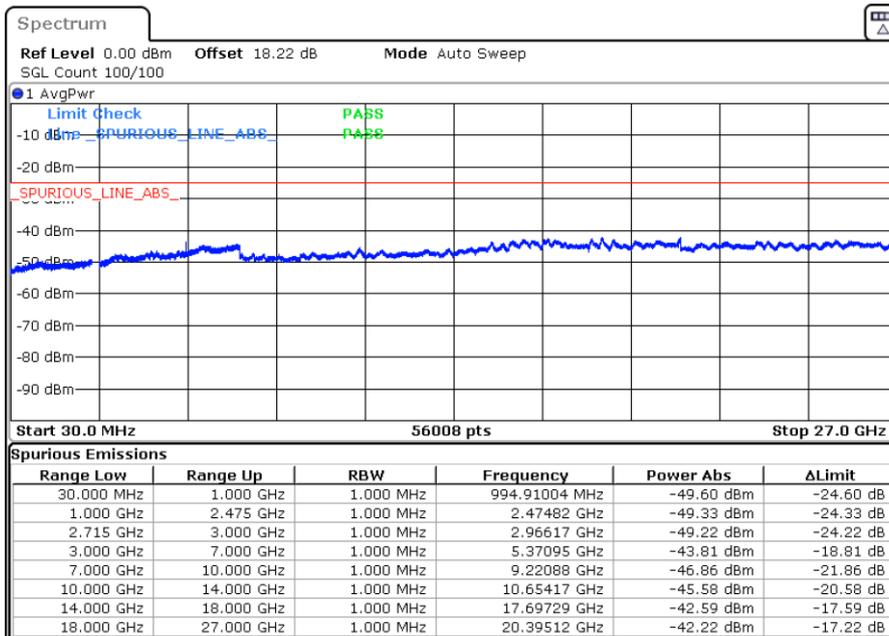
Middle Channel / QPSK



Date: 8 JUN.2025 16:56:03

Date: 8 JUN.2025 17:03:54

Highest Channel / QPSK



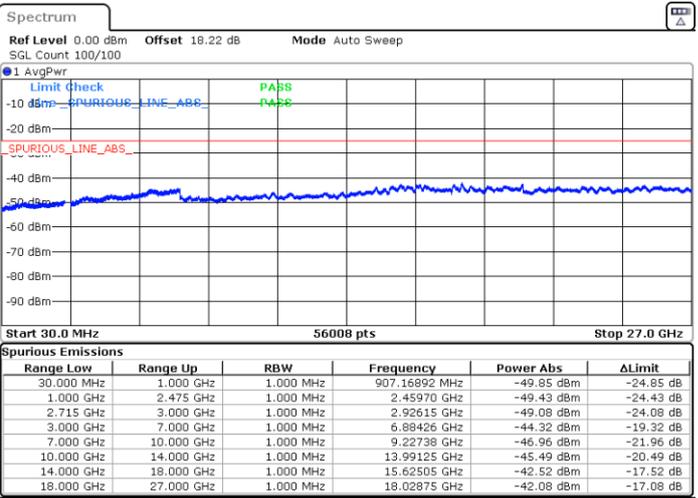
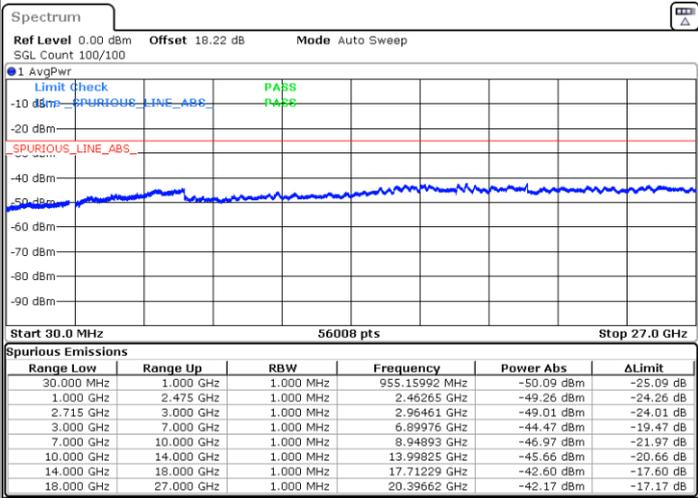
Date: 8 JUN.2025 17:05:18



LTE Band 41 / 10MHz

Lowest Channel / QPSK

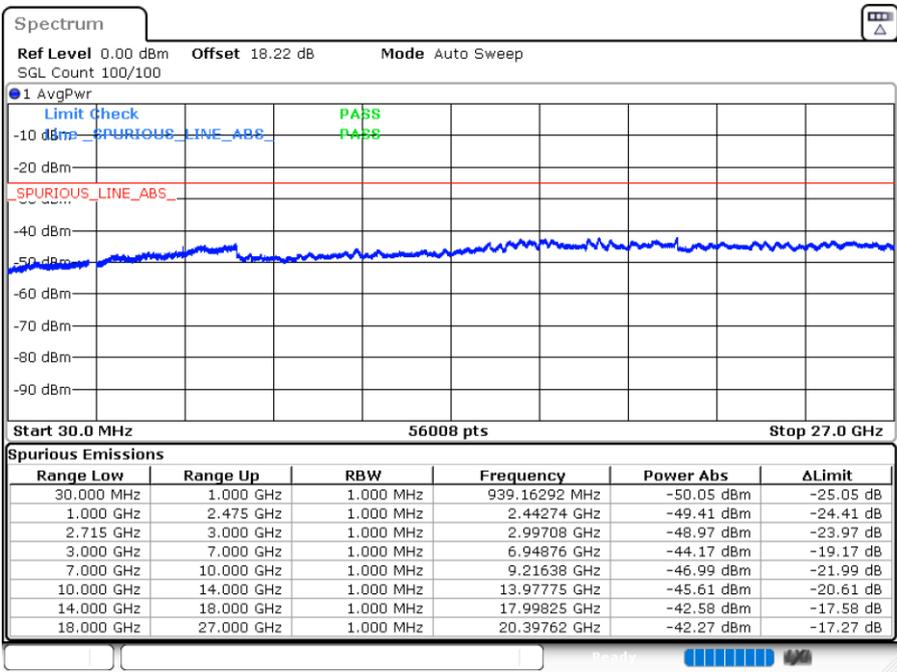
Middle Channel / QPSK



Date: 8 JUN.2025 17:14:04

Date: 8 JUN.2025 17:21:54

Highest Channel / QPSK



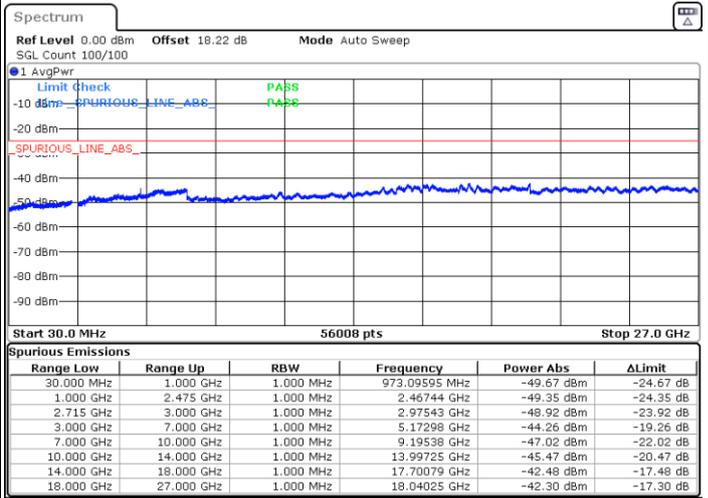
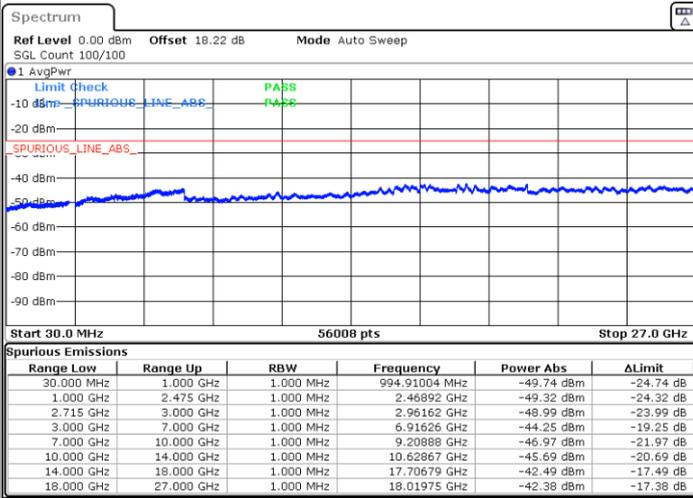
Date: 8 JUN.2025 17:23:19



LTE Band 41 / 15MHz

Lowest Channel / QPSK

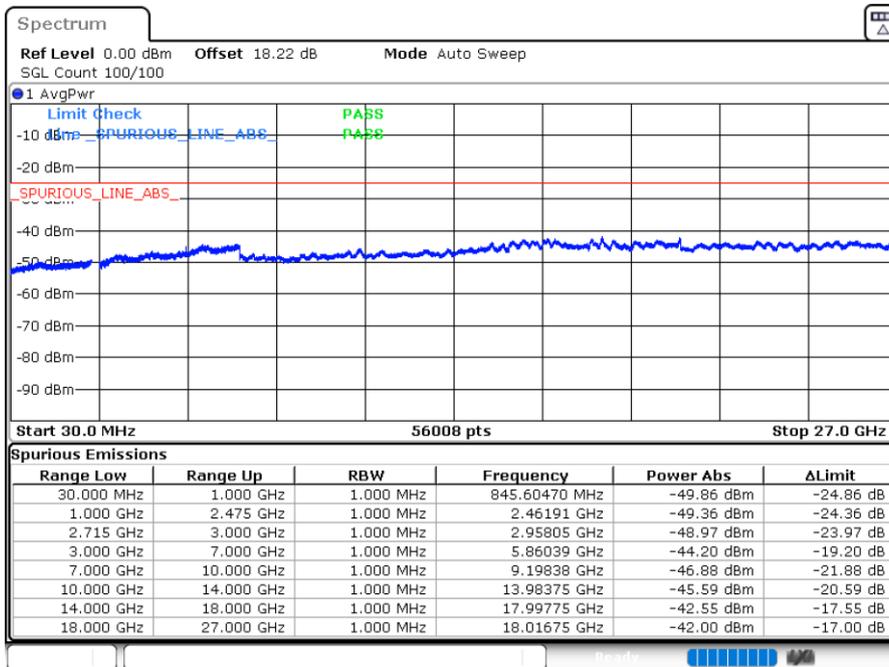
Middle Channel / QPSK



Date: 8 JUN.2025 17:35:17

Date: 8 JUN.2025 17:44:37

Highest Channel / QPSK

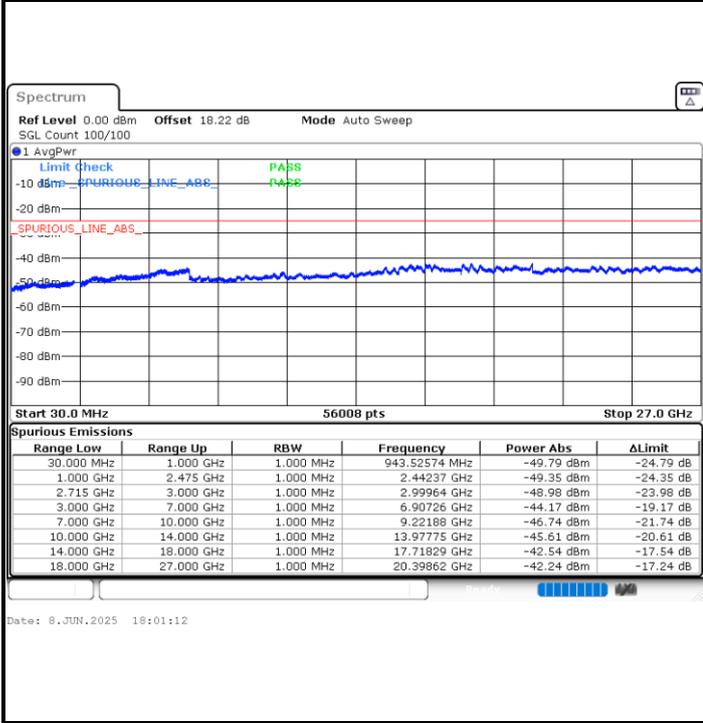


Date: 8 JUN.2025 17:46:02

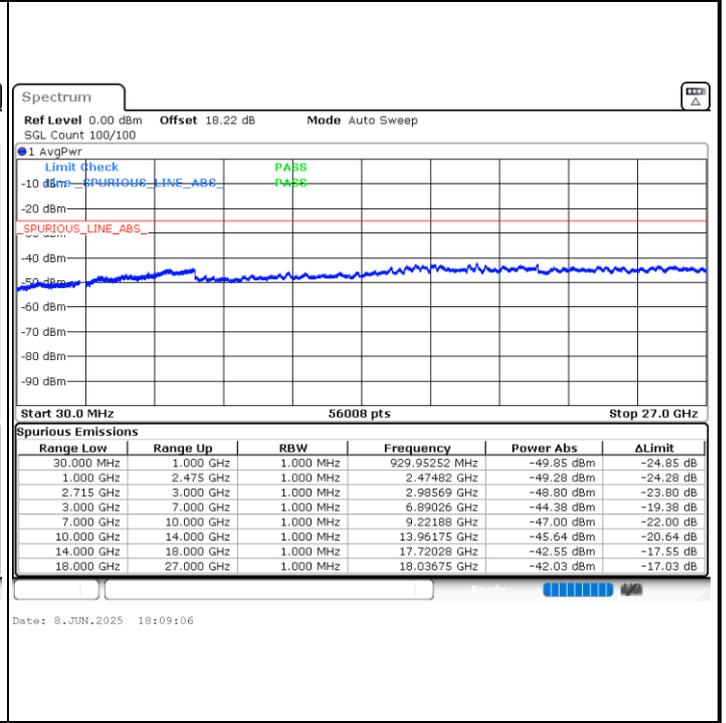


LTE Band 41 / 20MHz

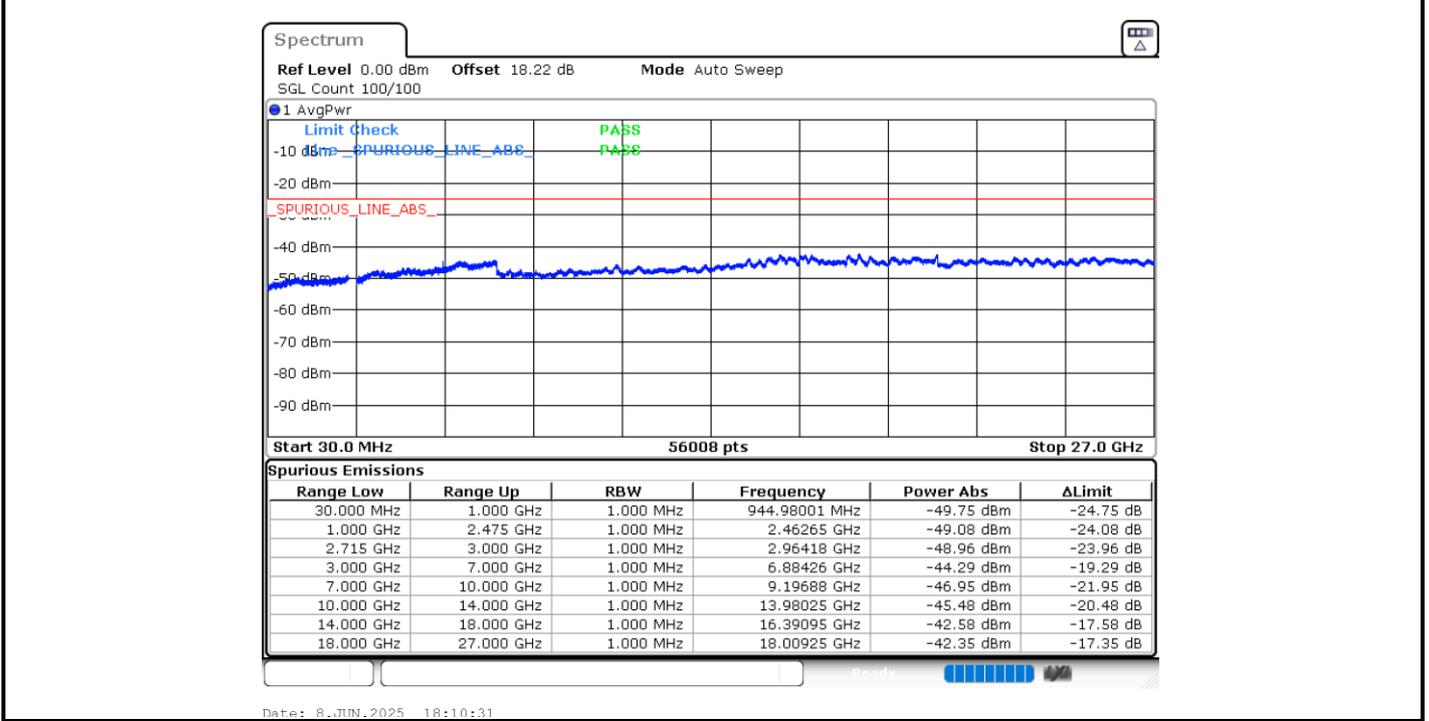
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 41(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0019	
20	Battery End Point	0.0020	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.5 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 :	Jake	Temperature :	21~25°C
		Relative Humidity :	51~53%

LTE Band 5 / 10MHz / QPSK								
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	1664	-57.18	-13	-44.18	-64.15	1.58	10.70	H
	2496	-47.54	-13	-34.54	-55.79	2.102	12.50	H
	3328	-58.95	-13	-45.95	-67.84	2.856	13.90	H
	1664	-58.61	-13	-45.61	-65.58	1.58	10.70	V
	2496	-43.43	-13	-30.43	-51.68	2.10	12.50	V
	3328	-56.14	-13	-43.14	-65.03	2.86	13.90	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	5162	-53.70	-25	-28.70	-63.91	3.03	13.24	H
	7752	-55.80	-25	-30.80	-65.25	3.56	13.01	H
	10342	-51.82	-25	-26.82	-61.34	3.92	13.44	H
	5162	-46.83	-25	-21.83	-57.04	3.03	13.24	V
	7752	-49.82	-25	-24.82	-59.27	3.56	13.01	V
	10342	-44.10	-25	-19.10	-53.62	3.92	13.44	V

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