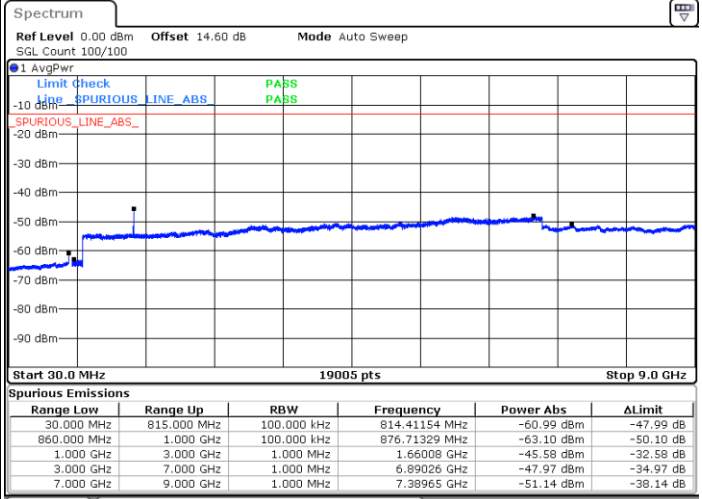
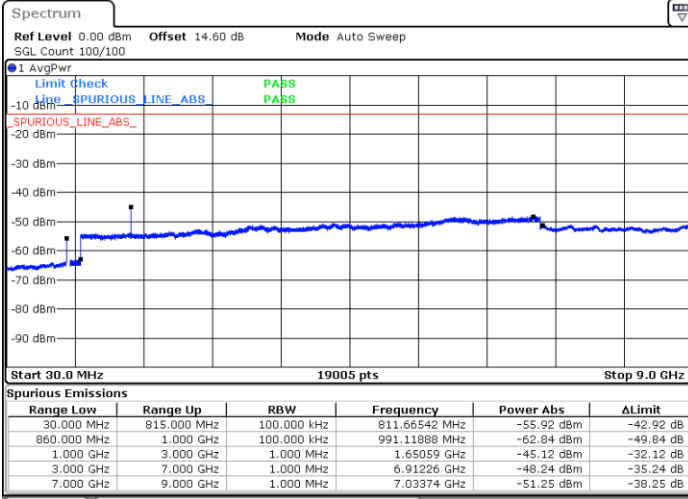




LTE Band 26 / 15MHz

Lowest Channel / QPSK

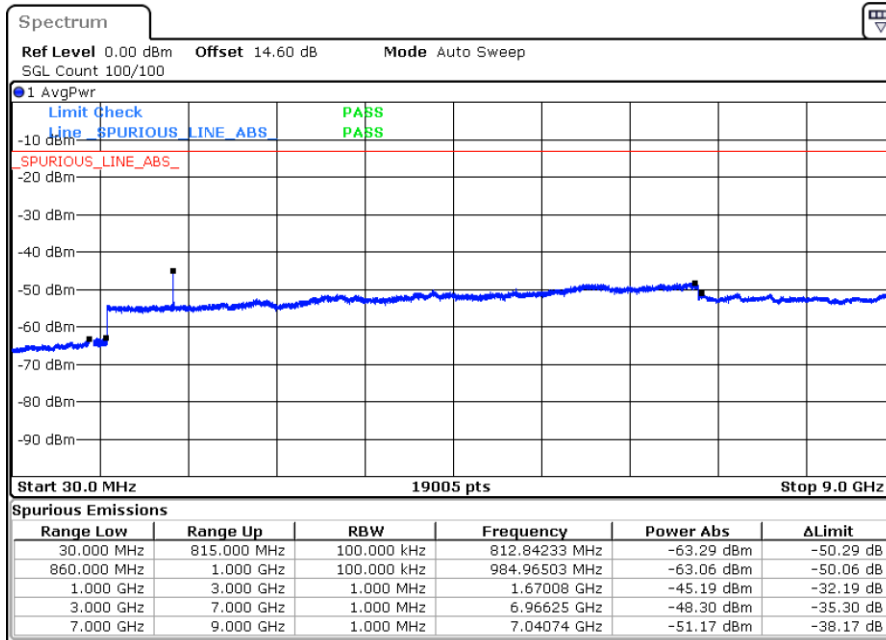
Middle Channel / QPSK



Date: 27 JUN 2025 10:44:31

Date: 27 JUN 2025 10:52:34

Highest Channel / QPSK



Date: 27 JUN 2025 10:54:09



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0030	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0020	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0039	
20	Normal Voltage	0.0019	
20	Battery End Point	0.0011	

Note:

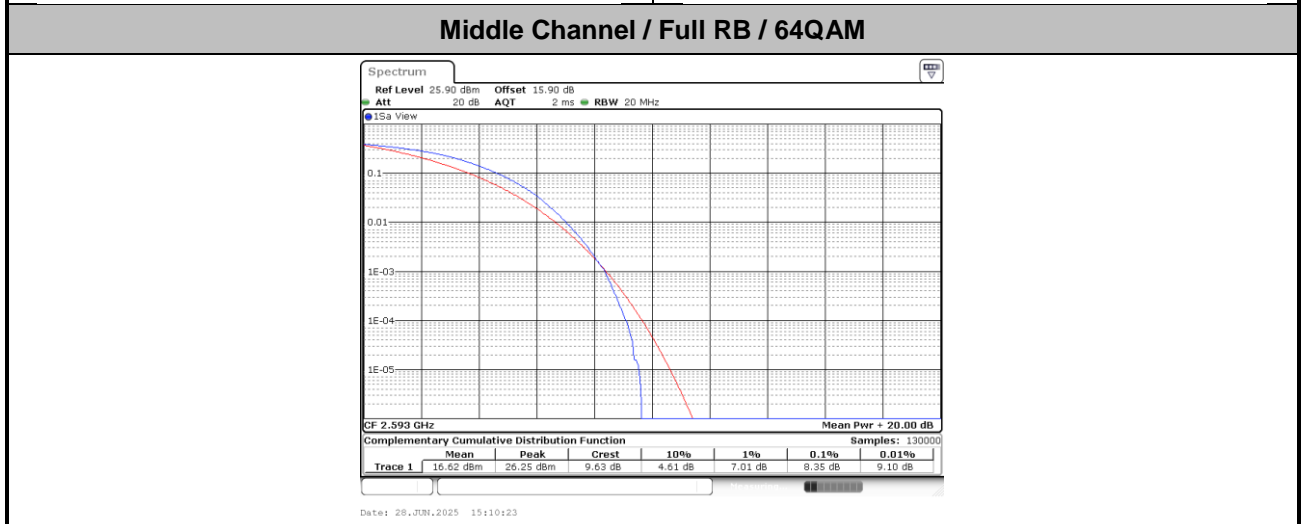
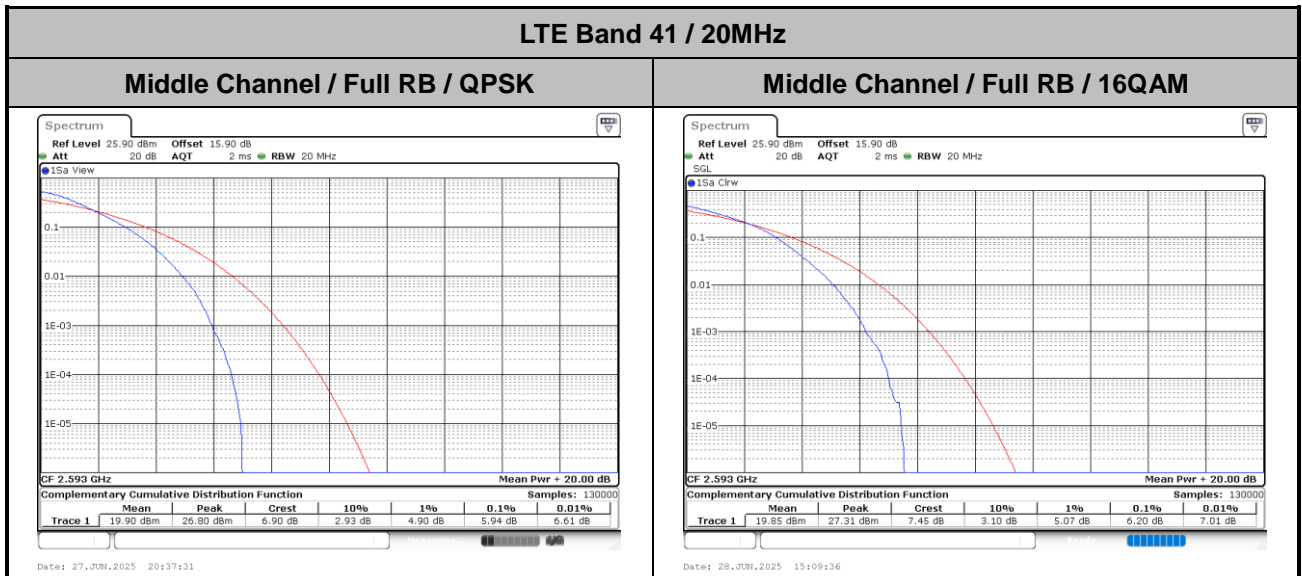
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41_ANT0

Peak-to-Average Ratio

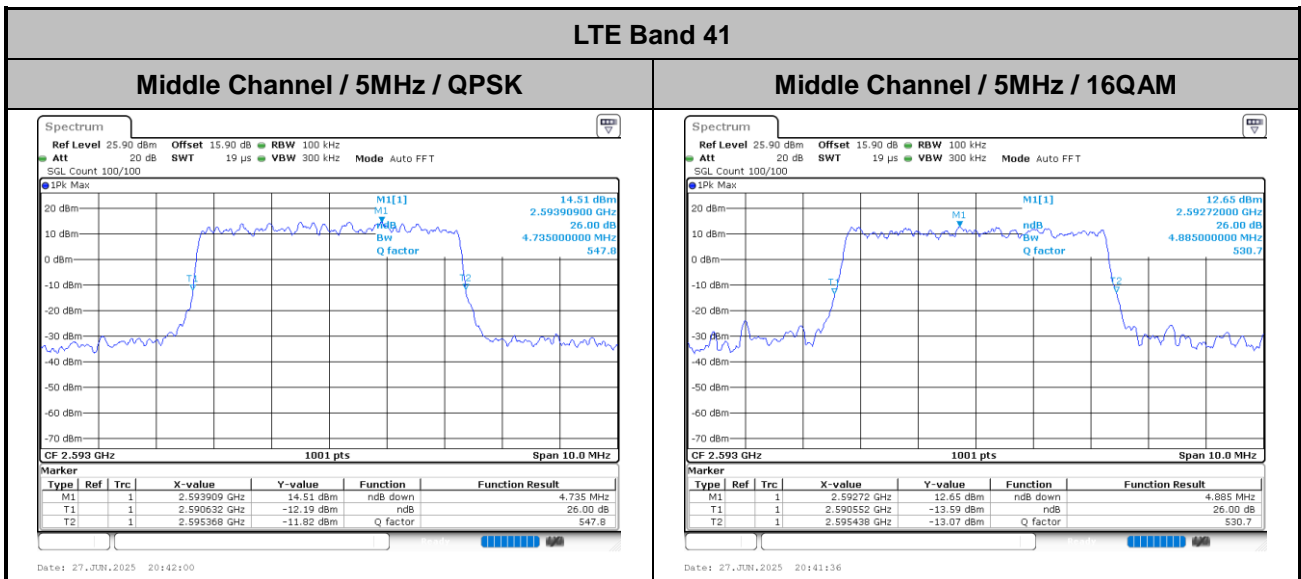
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.94	6.20	8.35	PASS





26dB Bandwidth

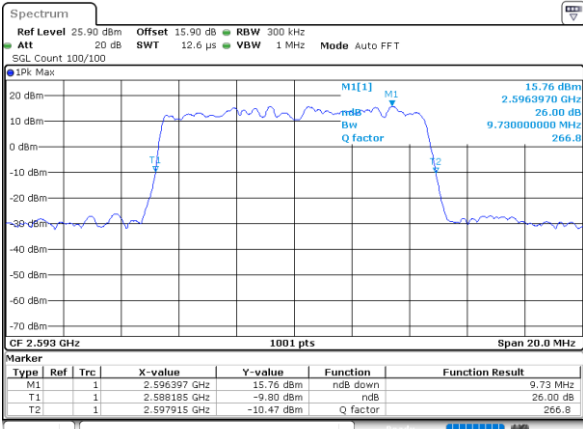
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.74	4.89
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.73	9.69
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.36	14.12
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.90	18.74





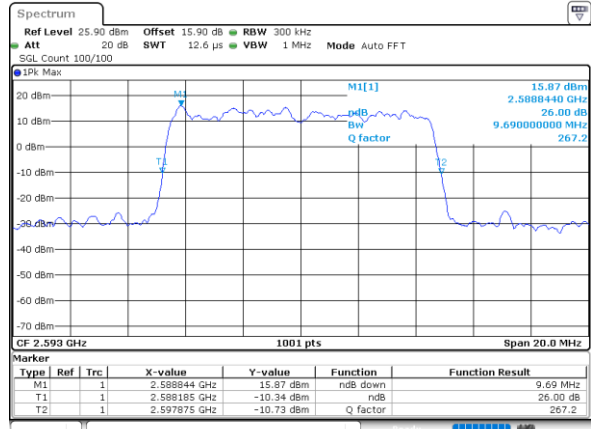
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 27_JUN.2025 20:40:19

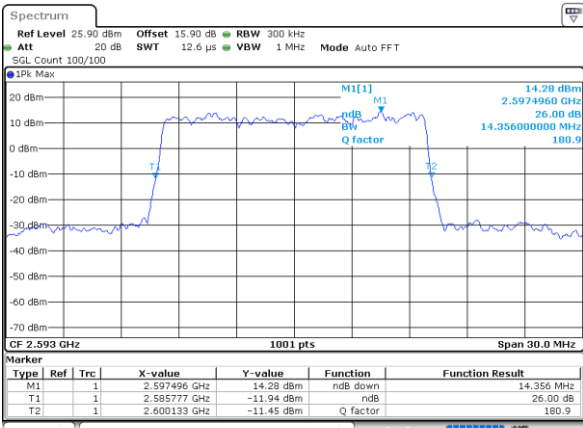
Middle Channel / 10MHz / 16QAM



Date: 27_JUN.2025 20:40:42

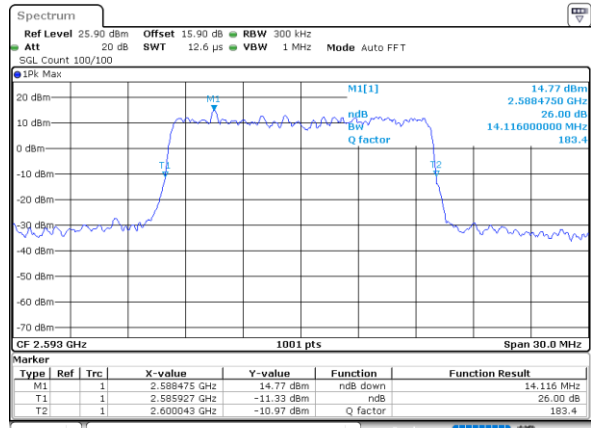
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 27_JUN.2025 20:39:25

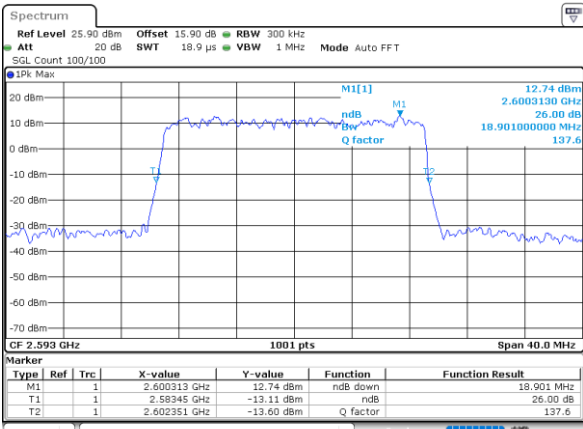
Middle Channel / 15MHz / 16QAM



Date: 27_JUN.2025 20:39:01

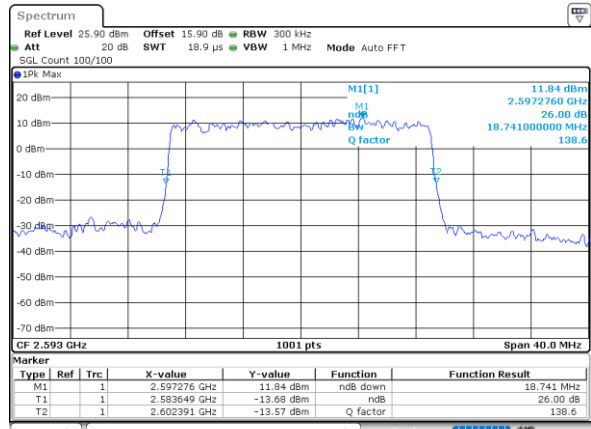
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 27_JUN.2025 20:36:13

Middle Channel / 20MHz / 16QAM

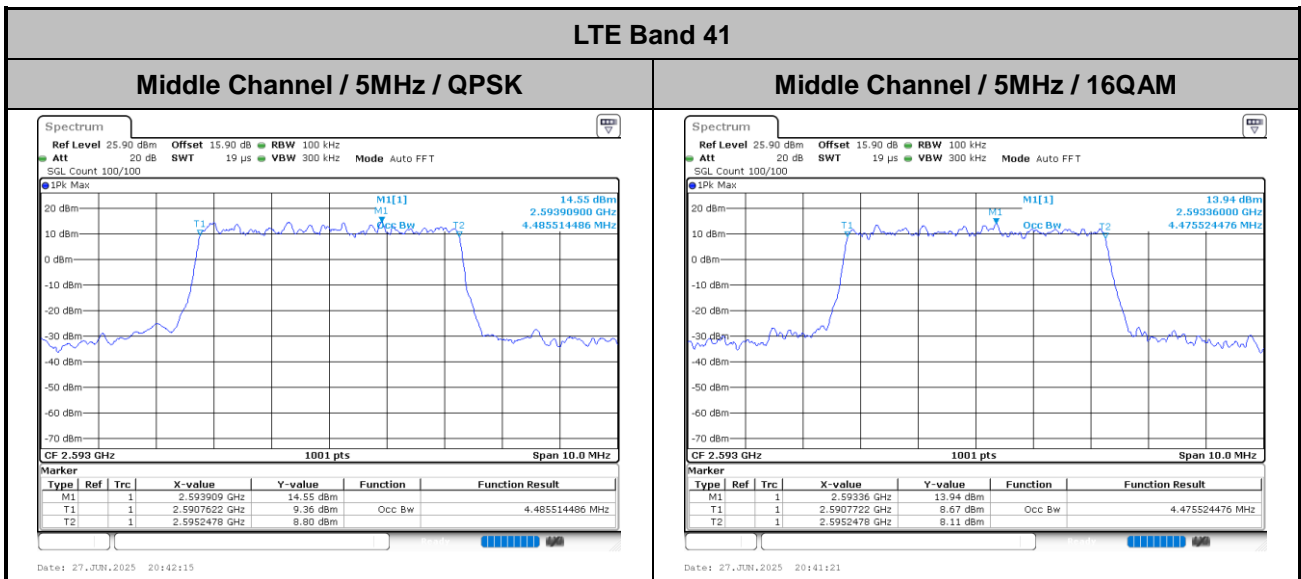


Date: 27_JUN.2025 20:37:06



Occupied Bandwidth

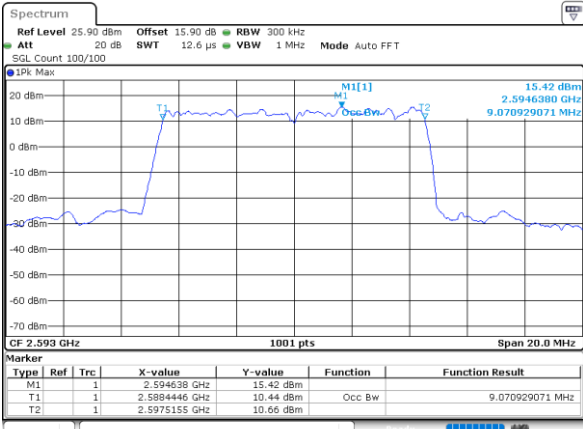
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.48
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.07	9.05
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.43
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.82	17.78





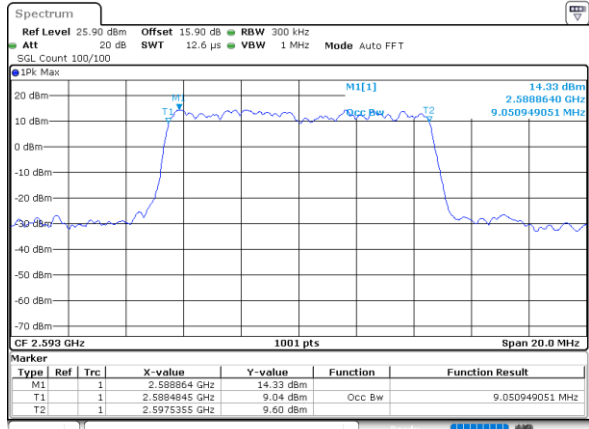
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 27 JUN 2025 20:40:04

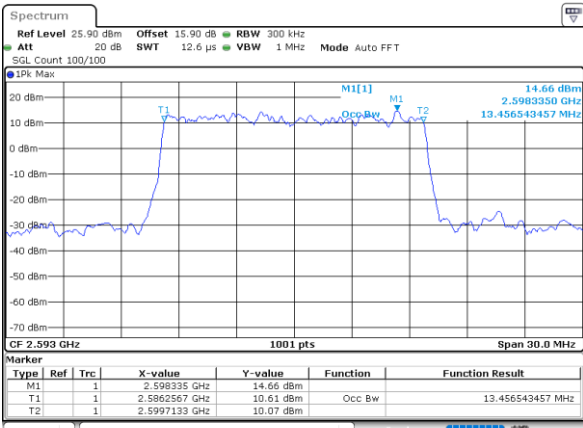
Middle Channel / 10MHz / 16QAM



Date: 27 JUN 2025 20:40:57

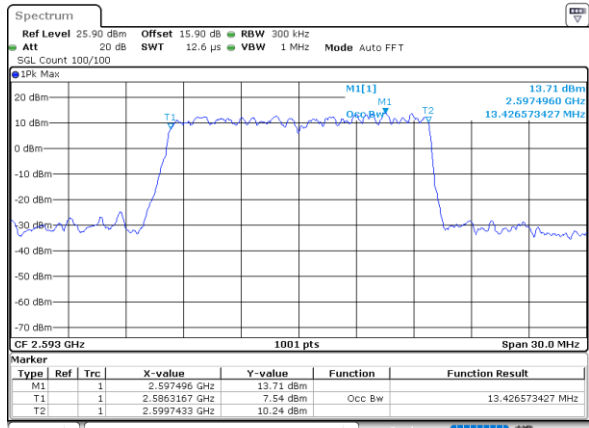
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 27 JUN 2025 20:39:40

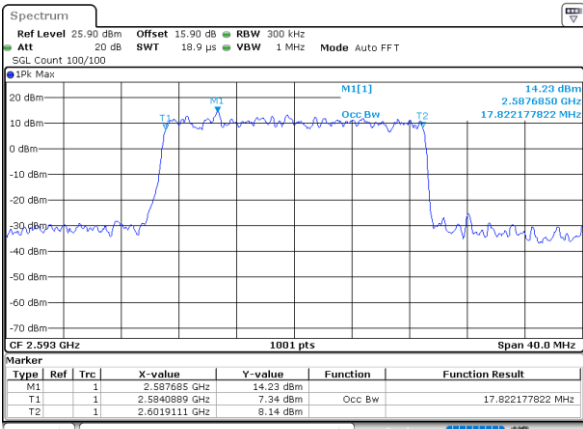
Middle Channel / 15MHz / 16QAM



Date: 27 JUN 2025 20:38:46

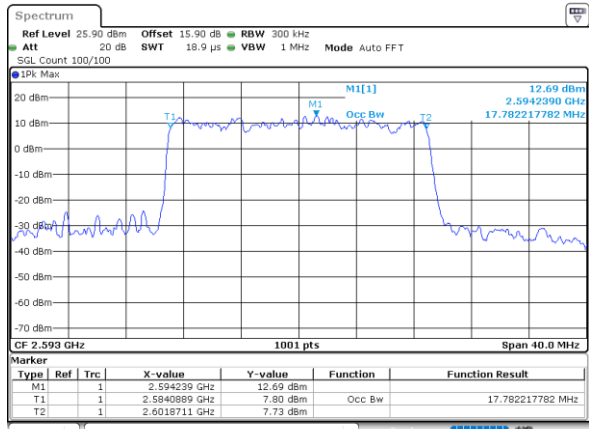
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 27 JUN 2025 20:36:28

Middle Channel / 20MHz / 16QAM



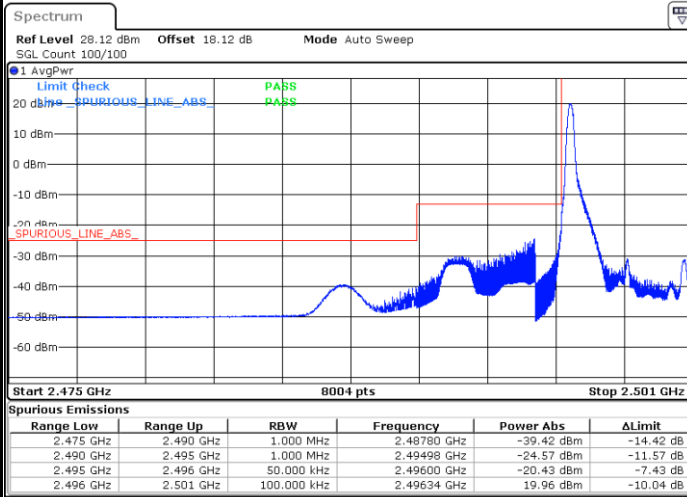
Date: 27 JUN 2025 20:36:51



Conducted Band Edge

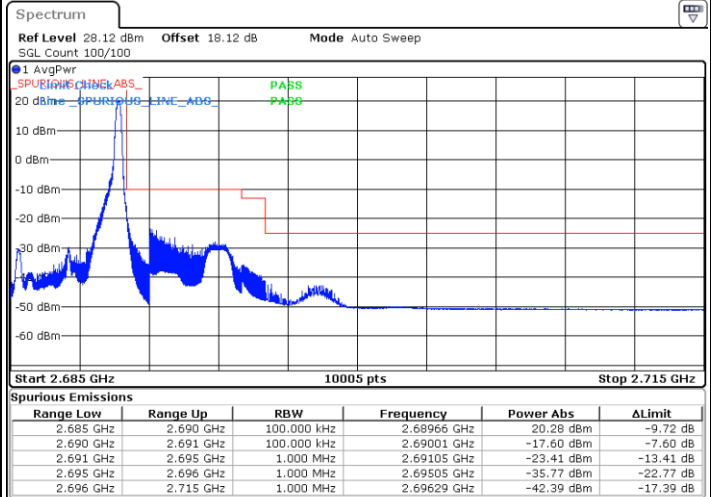
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



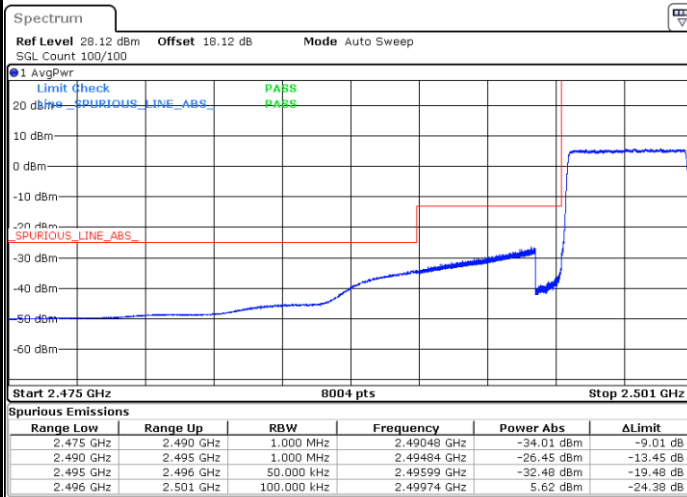
Date: 27 JUN.2025 19:27:31

Highest Band Edge / 1 RB



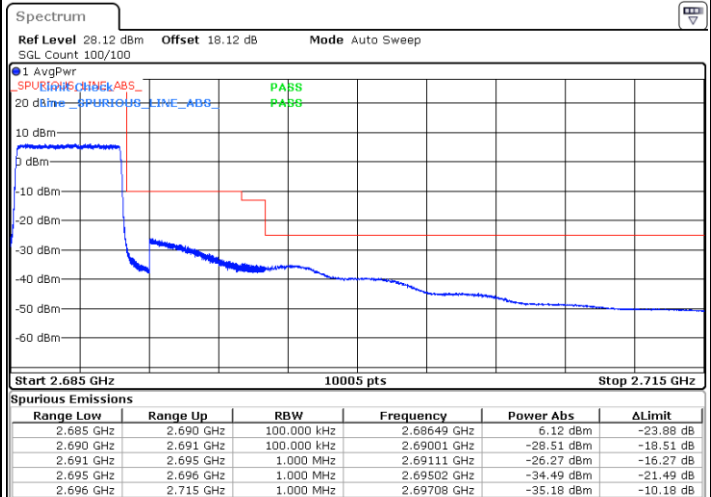
Date: 27 JUN.2025 19:37:10

Lowest Band Edge / Full RB



Date: 27 JUN.2025 19:33:51

Highest Band Edge / Full RB

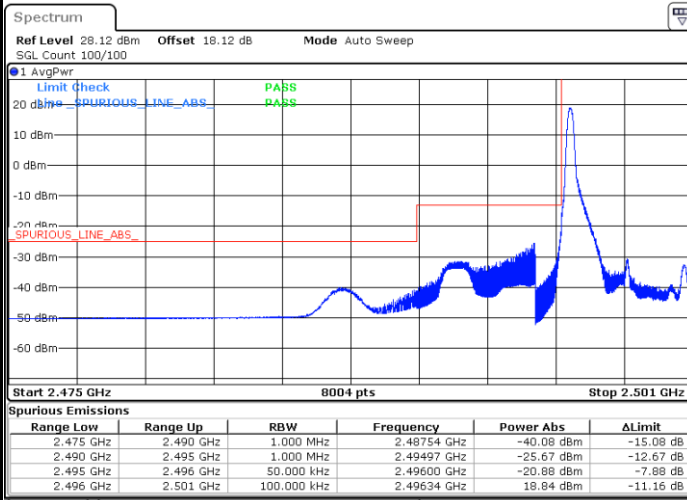


Date: 27 JUN.2025 19:43:12



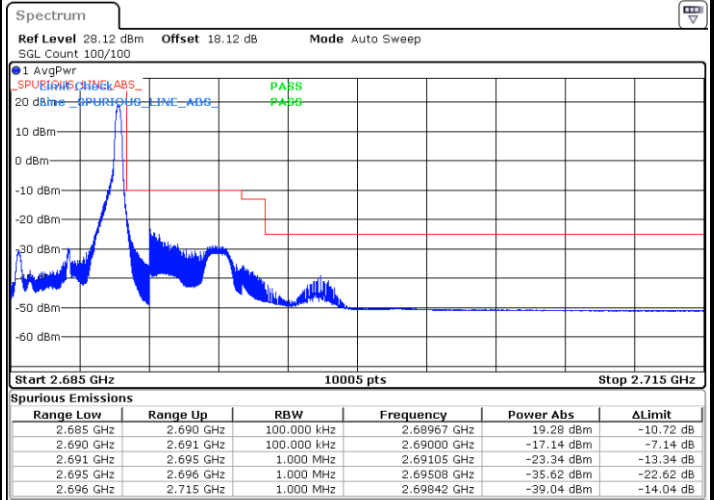
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



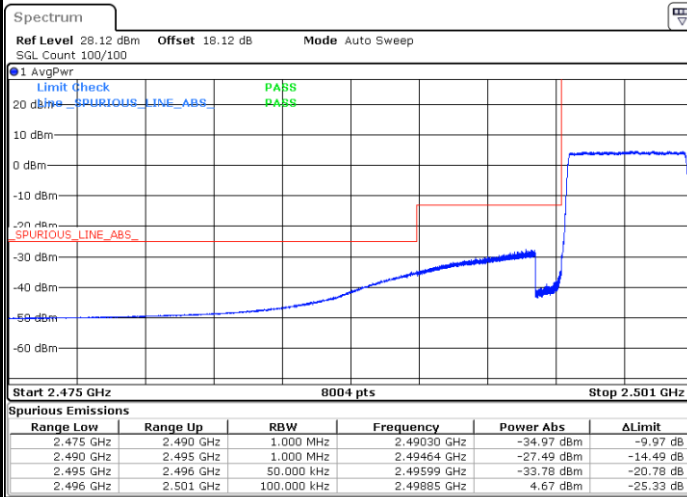
Date: 27 JUN. 2025 19:28:47

Highest Band Edge / 1 RB



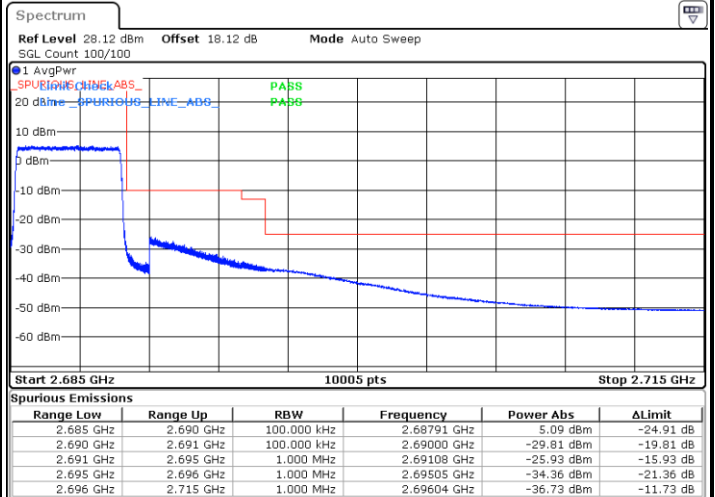
Date: 27 JUN. 2025 19:38:22

Lowest Band Edge / Full RB



Date: 27 JUN. 2025 19:32:35

Highest Band Edge / Full RB

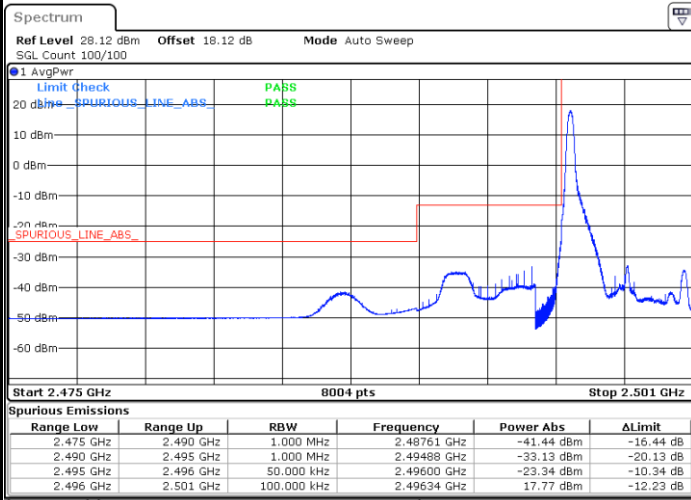


Date: 27 JUN. 2025 19:42:00



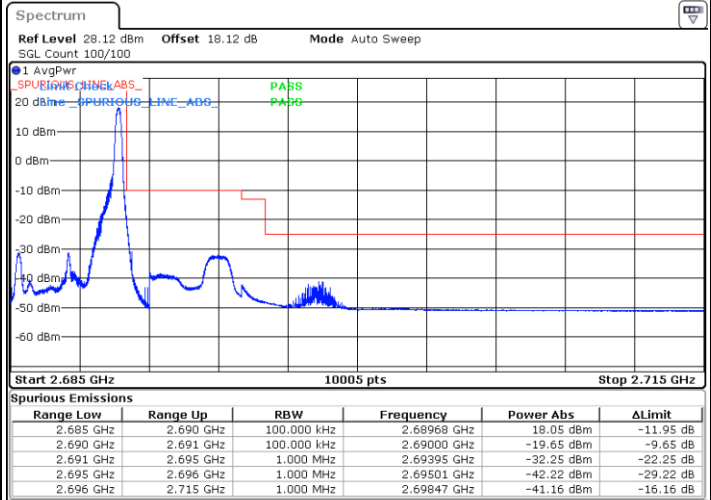
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



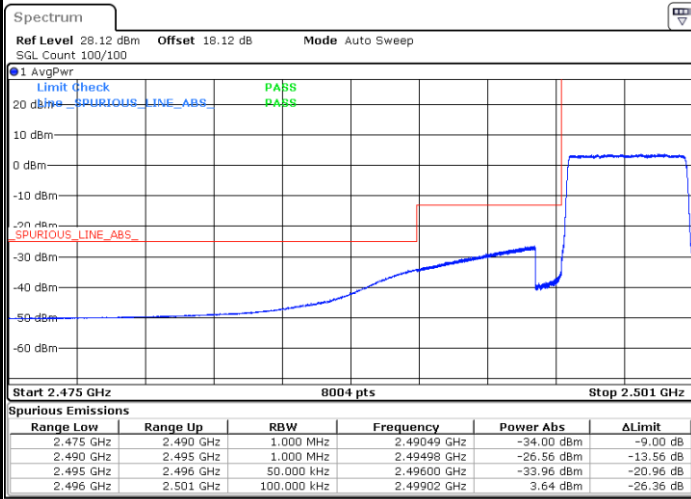
Date: 27 JUN.2025 19:30:03

Highest Band Edge / 1 RB



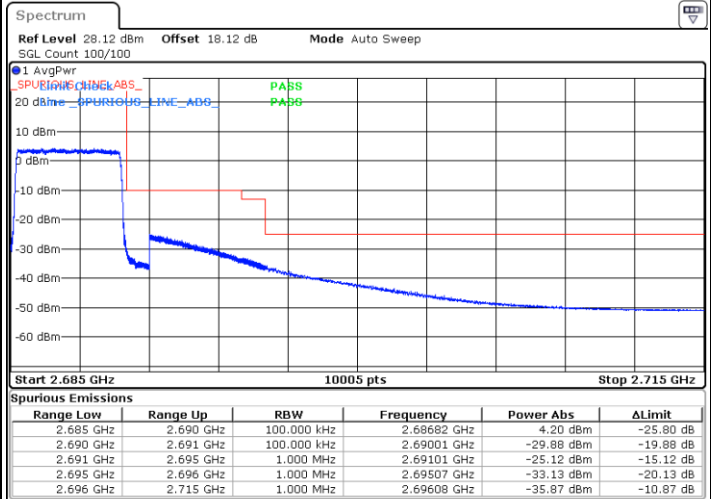
Date: 27 JUN.2025 19:33:34

Lowest Band Edge / Full RB



Date: 27 JUN.2025 19:31:19

Highest Band Edge / Full RB

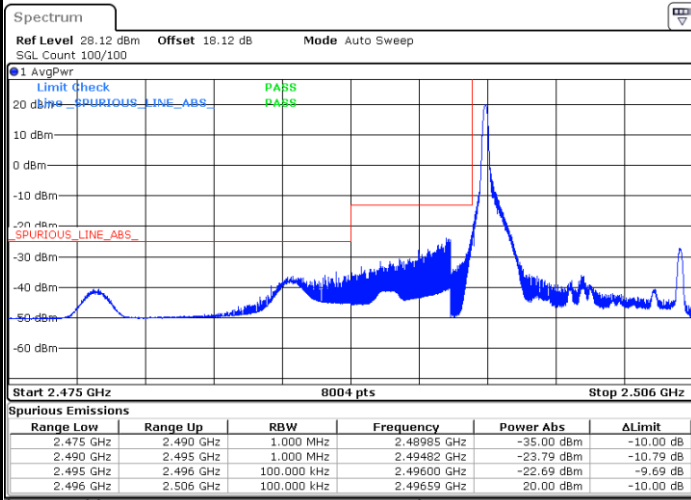


Date: 27 JUN.2025 19:40:47



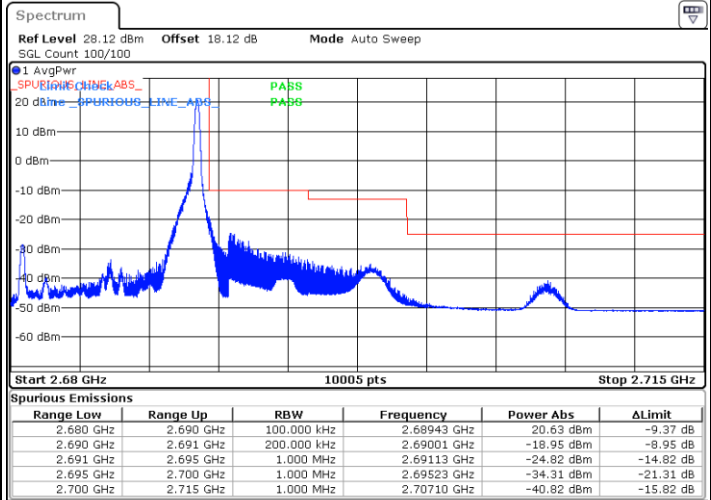
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



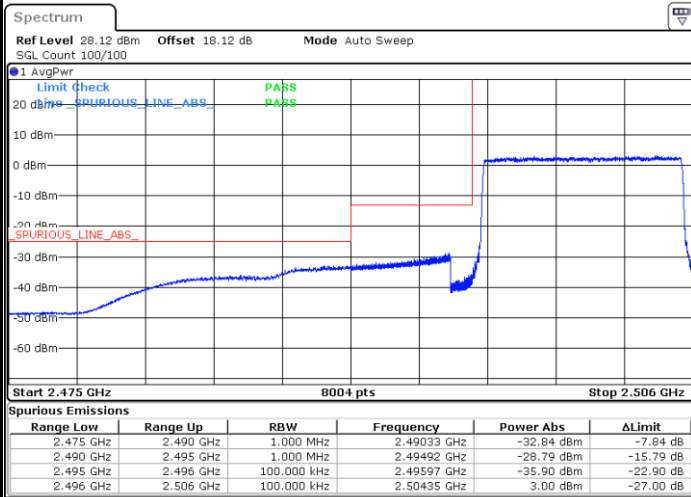
Date: 27 JUN. 2025 19:45:19

Highest Band Edge / 1 RB



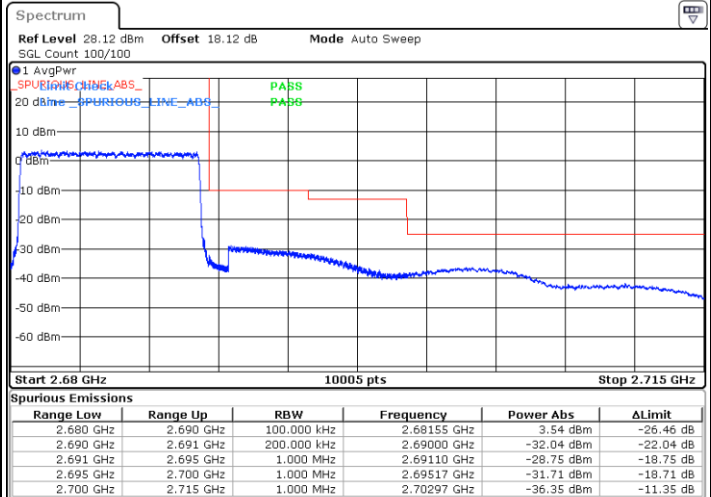
Date: 27 JUN. 2025 19:54:41

Lowest Band Edge / Full RB



Date: 27 JUN. 2025 19:51:23

Highest Band Edge / Full RB

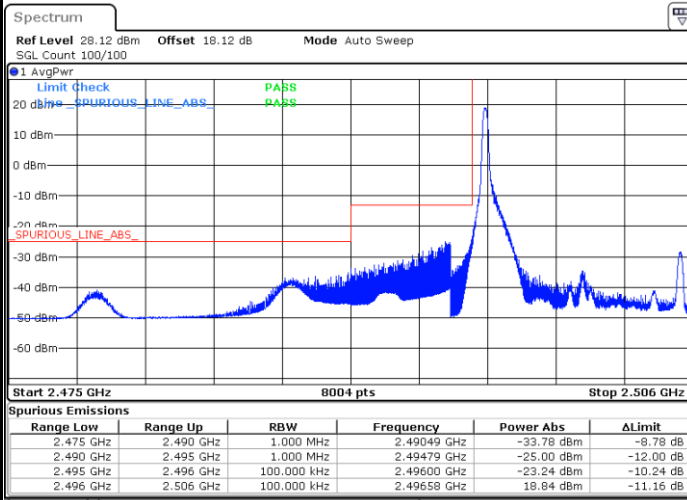


Date: 27 JUN. 2025 20:00:46



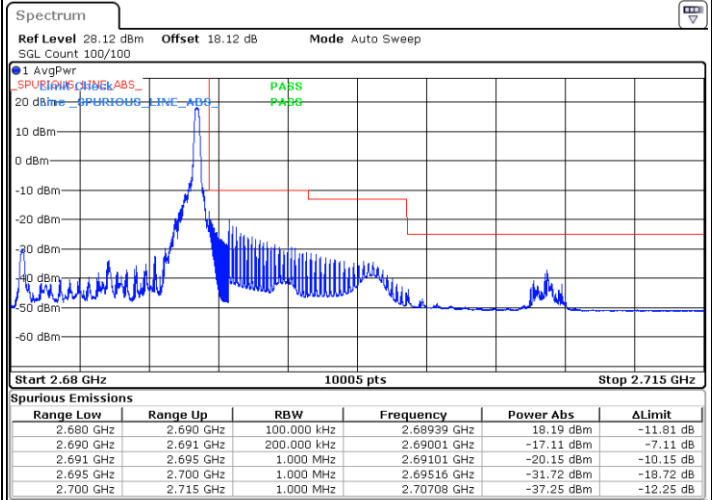
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



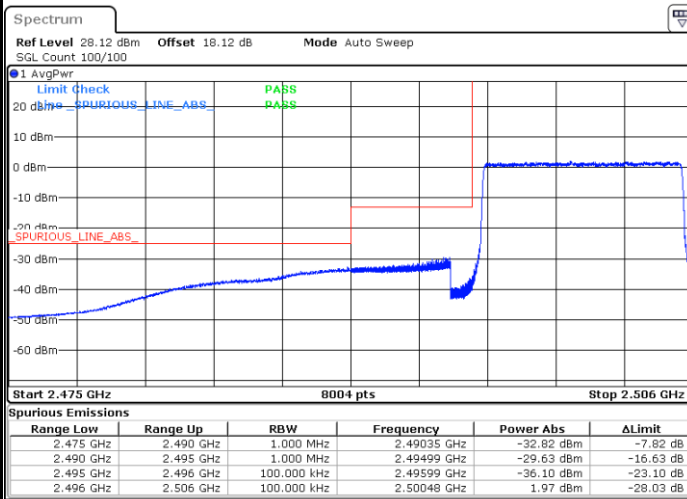
Date: 27 JUN.2025 19:46:32

Highest Band Edge / 1 RB



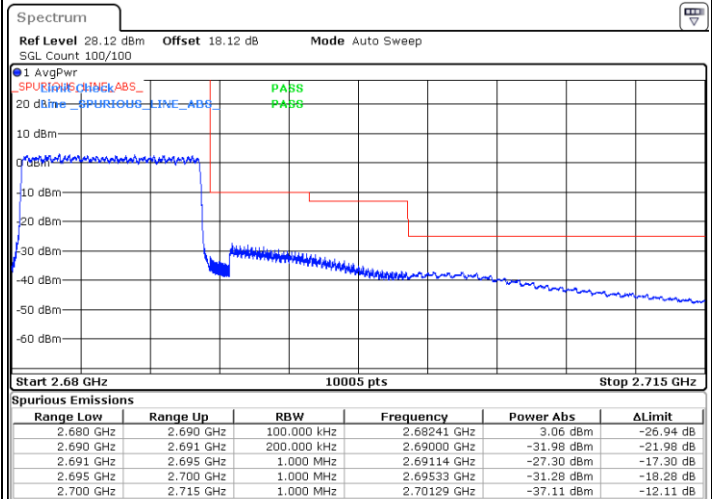
Date: 27 JUN.2025 19:55:54

Lowest Band Edge / Full RB



Date: 27 JUN.2025 19:50:10

Highest Band Edge / Full RB

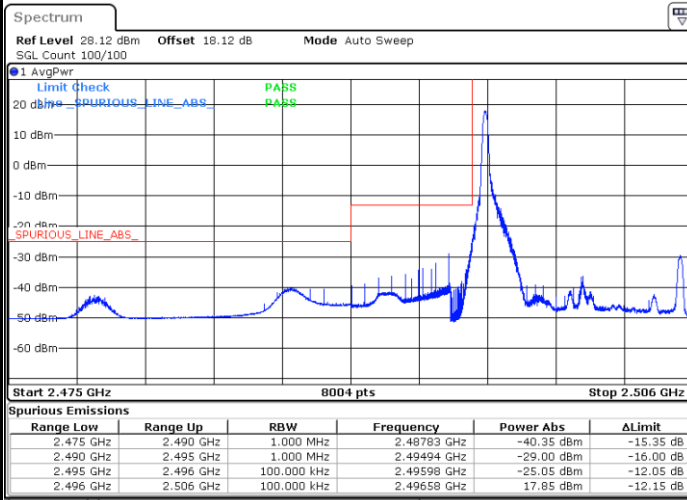


Date: 27 JUN.2025 19:59:33



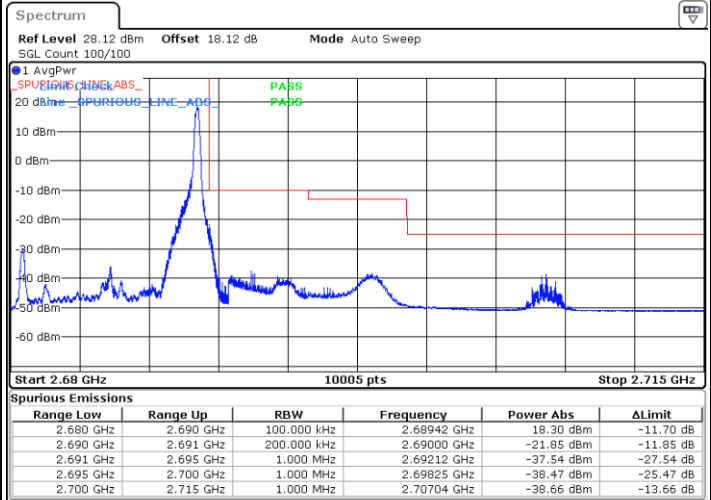
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



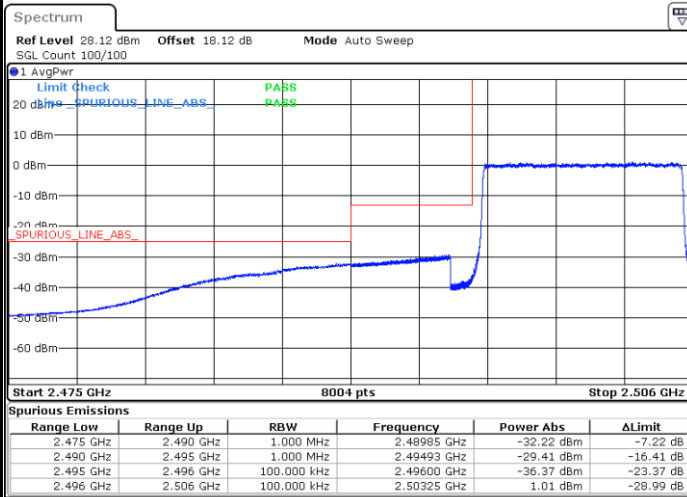
Date: 27 JUN.2025 19:47:45

Highest Band Edge / 1 RB



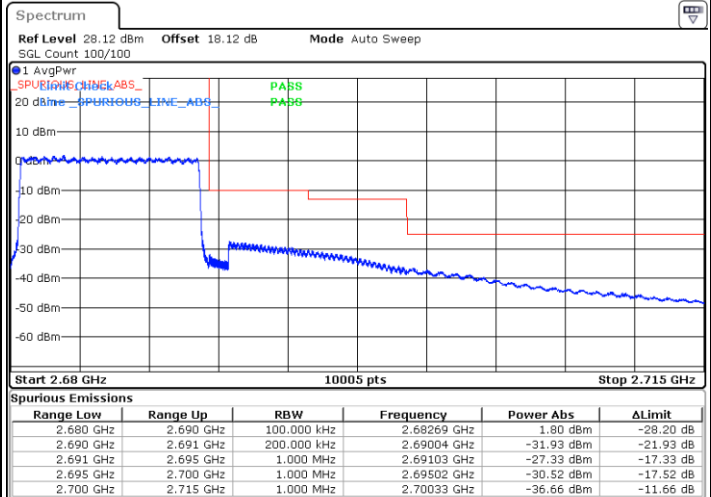
Date: 27 JUN.2025 19:57:07

Lowest Band Edge / Full RB



Date: 27 JUN.2025 19:48:57

Highest Band Edge / Full RB

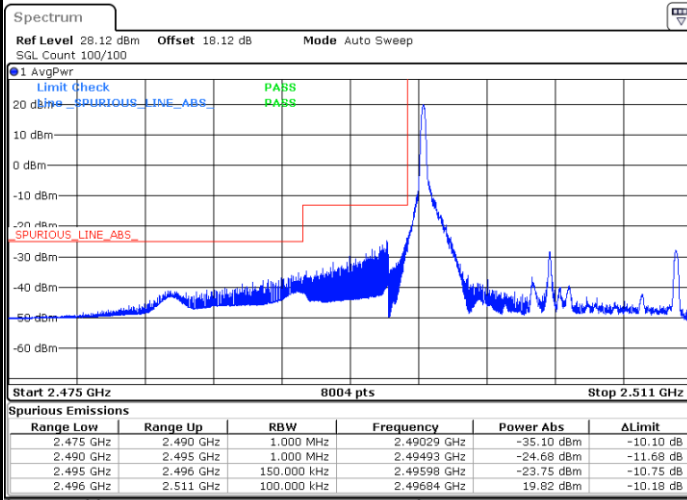


Date: 27 JUN.2025 19:58:20



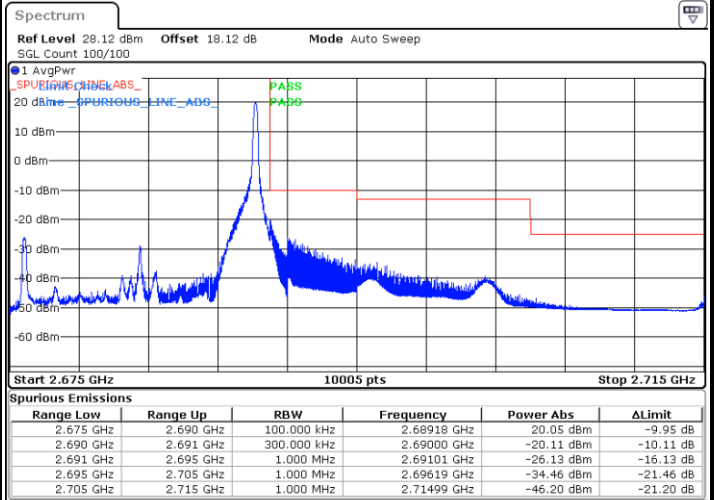
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



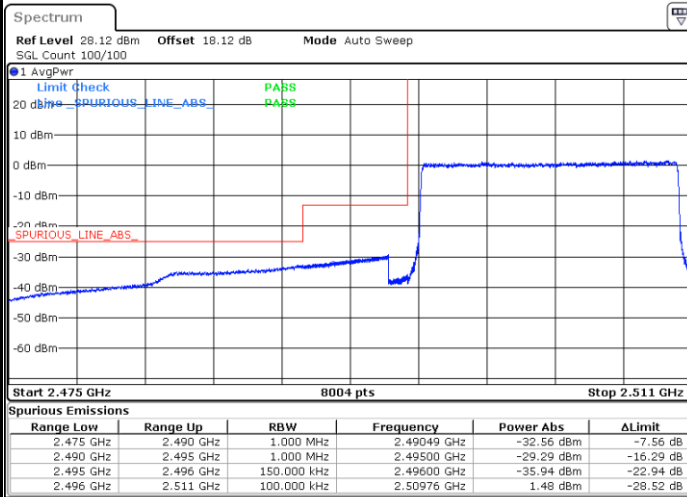
Date: 27 JUN.2025 20:02:52

Highest Band Edge / 1 RB



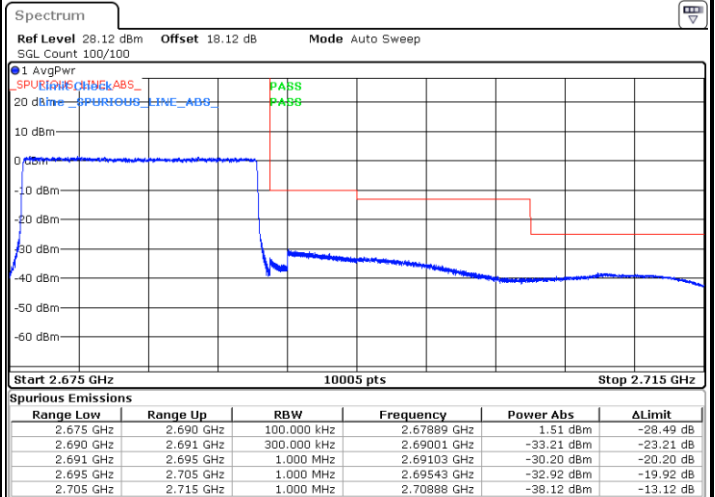
Date: 27 JUN.2025 20:12:14

Lowest Band Edge / Full RB



Date: 27 JUN.2025 20:08:56

Highest Band Edge / Full RB

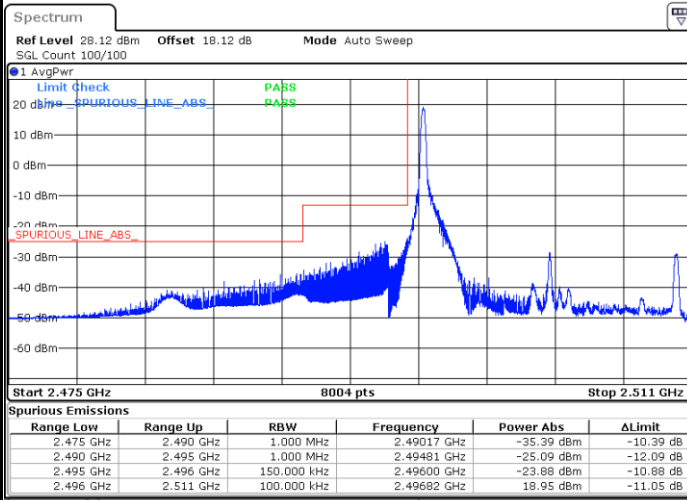


Date: 27 JUN.2025 20:18:16



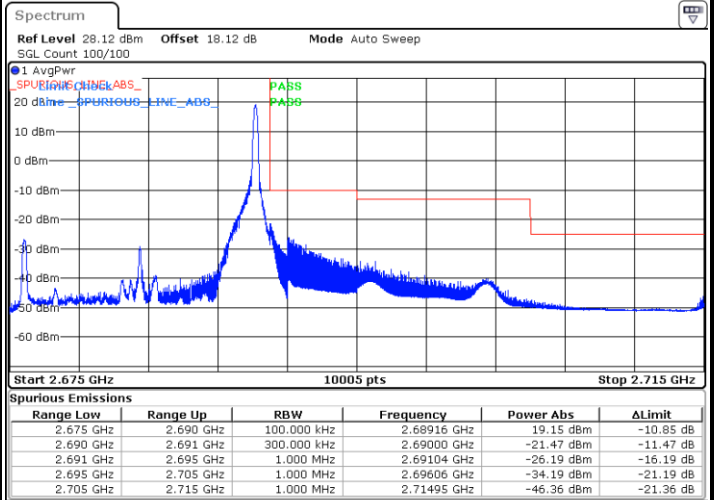
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



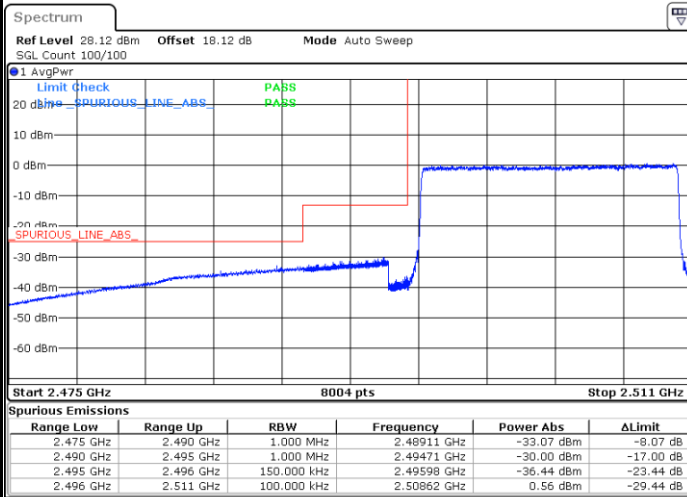
Date: 27 JUN.2025 20:04:05

Highest Band Edge / 1 RB



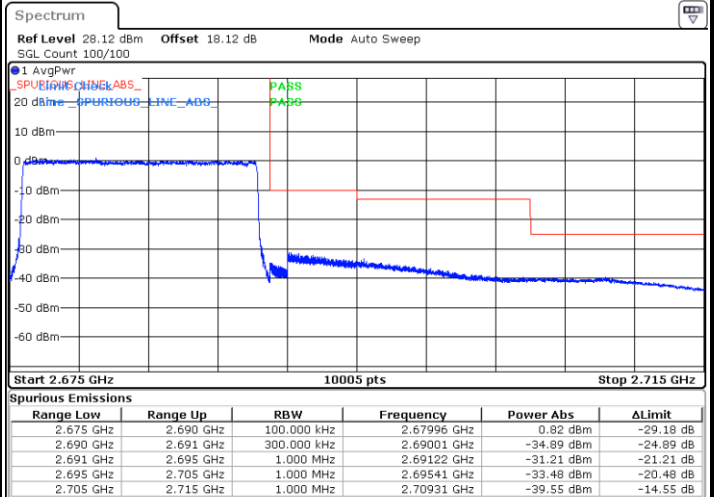
Date: 27 JUN.2025 20:13:27

Lowest Band Edge / Full RB



Date: 27 JUN.2025 20:07:43

Highest Band Edge / Full RB

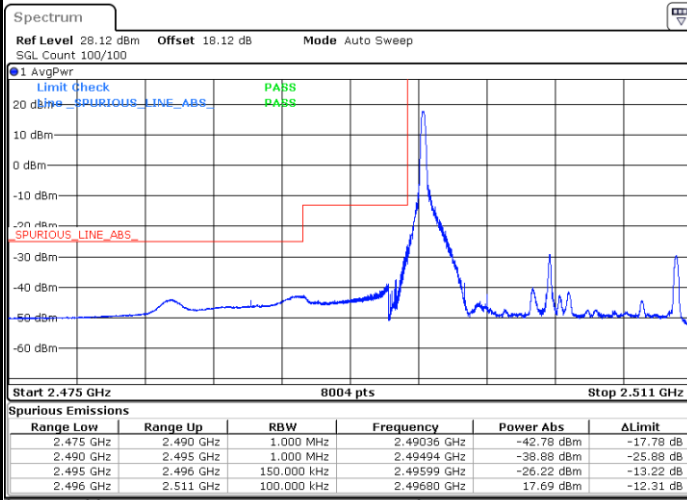


Date: 27 JUN.2025 20:17:04



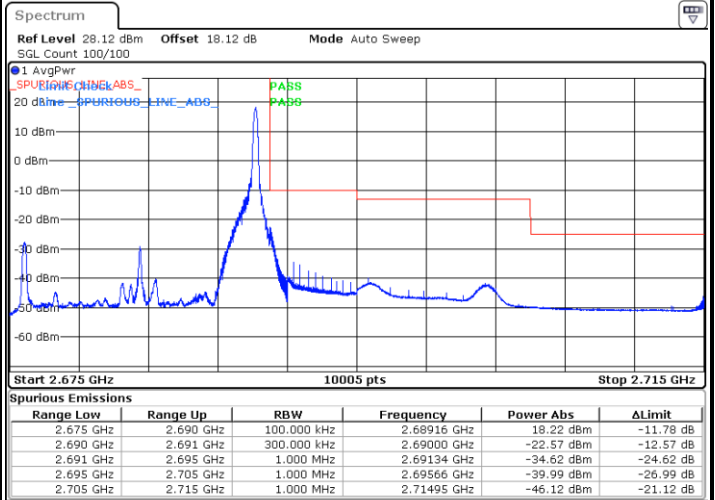
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



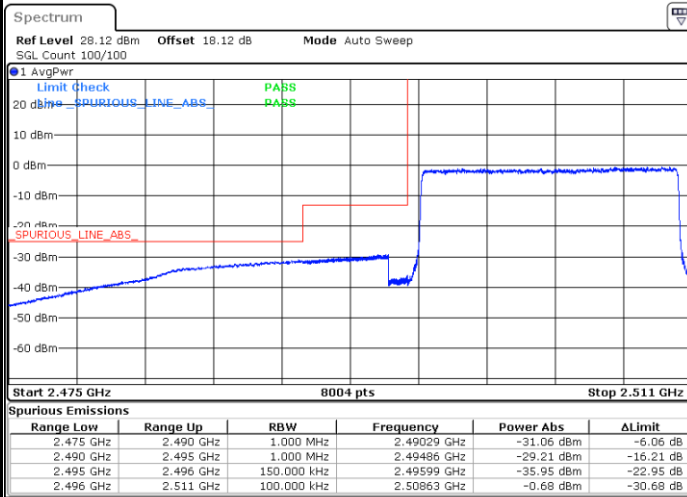
Date: 27 JUN.2025 20:05:18

Highest Band Edge / 1 RB



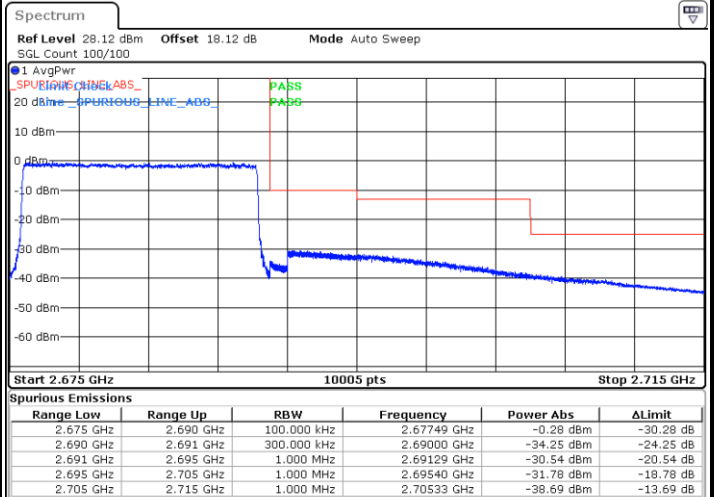
Date: 27 JUN.2025 20:14:39

Lowest Band Edge / Full RB



Date: 27 JUN.2025 20:06:31

Highest Band Edge / Full RB

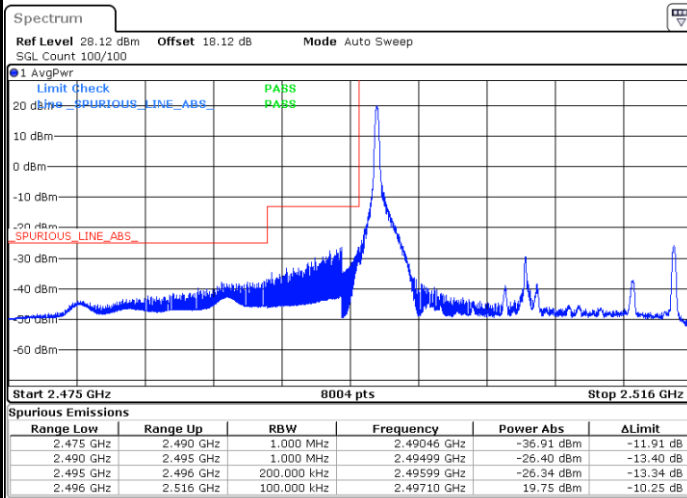


Date: 27 JUN.2025 20:15:52



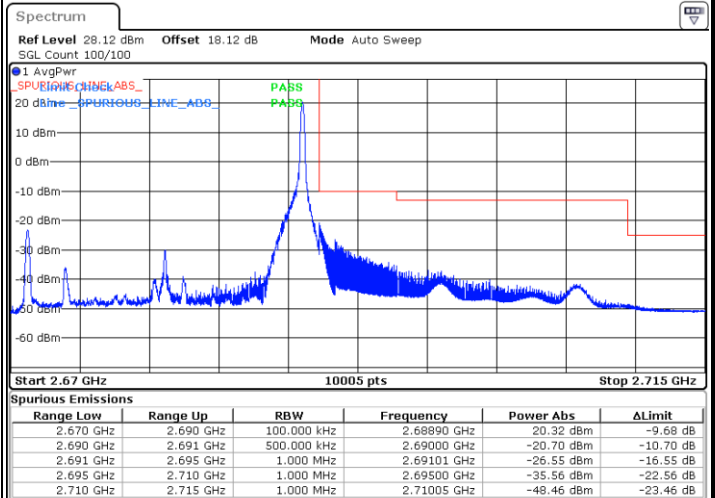
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



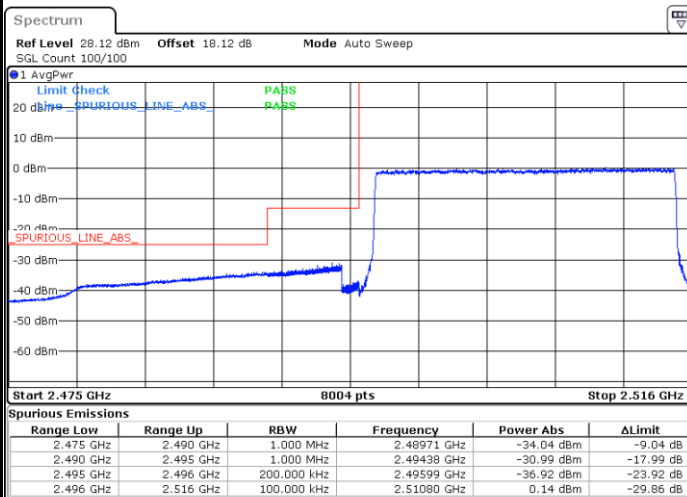
Date: 27. JUN. 2025 20:20:23

Highest Band Edge / 1 RB



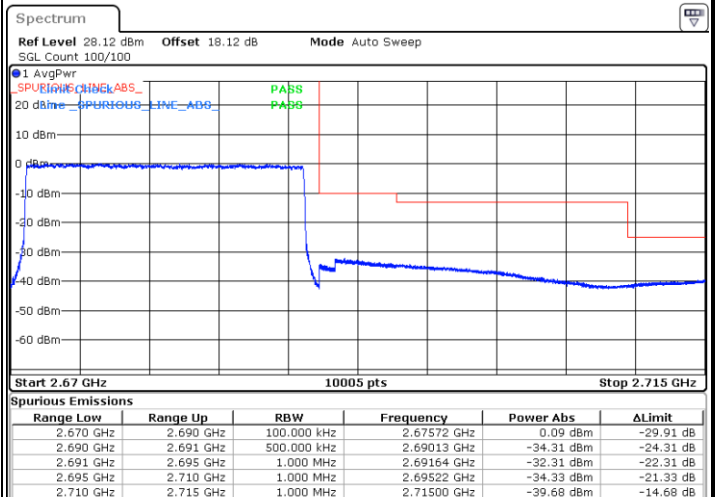
Date: 27. JUN. 2025 20:29:45

Lowest Band Edge / Full RB



Date: 27. JUN. 2025 20:26:27

Highest Band Edge / Full RB

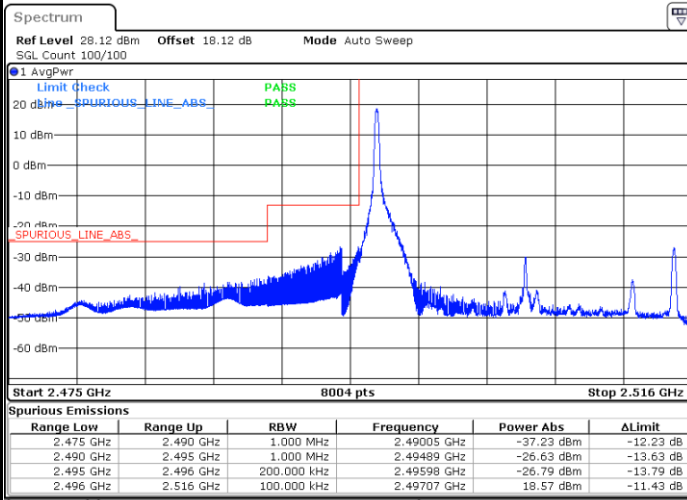


Date: 27. JUN. 2025 20:35:49



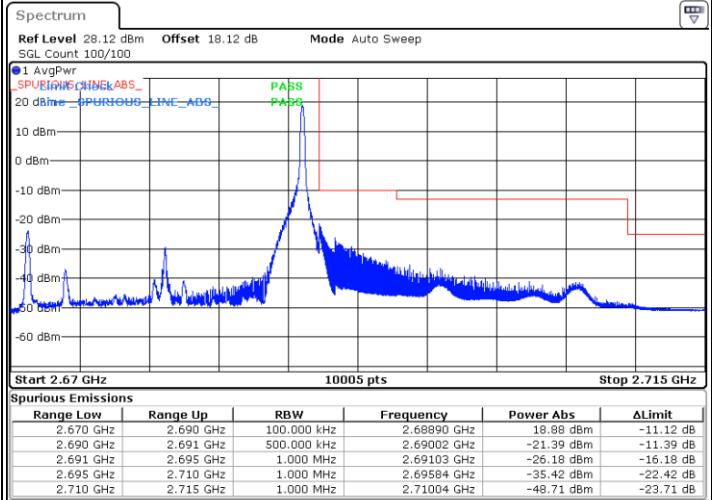
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



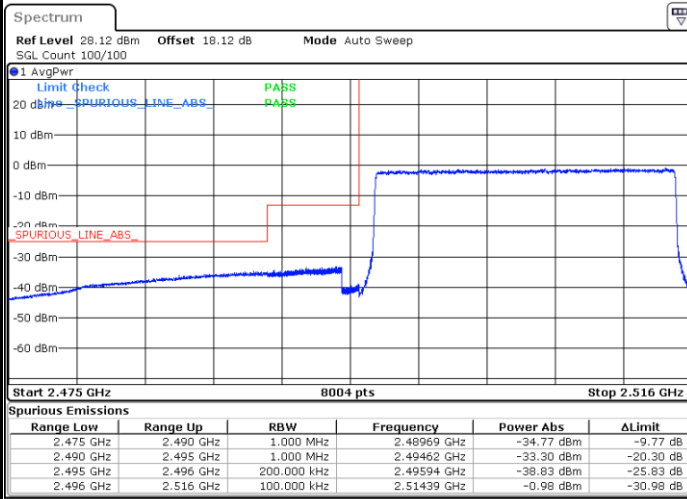
Date: 27 JUN.2025 20:21:36

Highest Band Edge / 1 RB



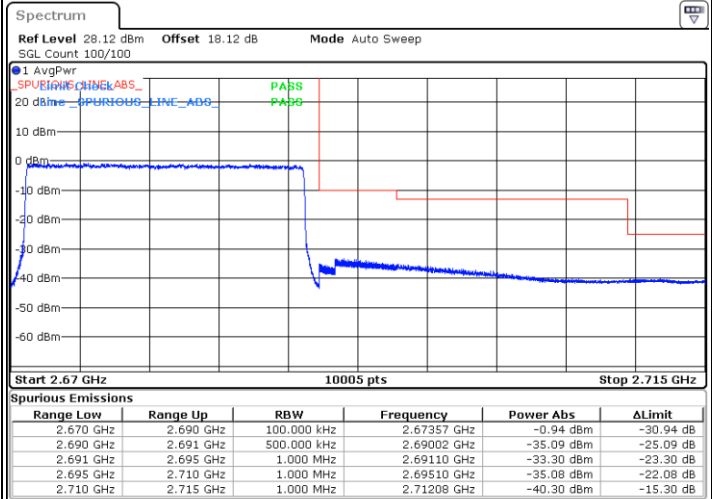
Date: 27 JUN.2025 20:30:58

Lowest Band Edge / Full RB



Date: 27 JUN.2025 20:25:14

Highest Band Edge / Full RB

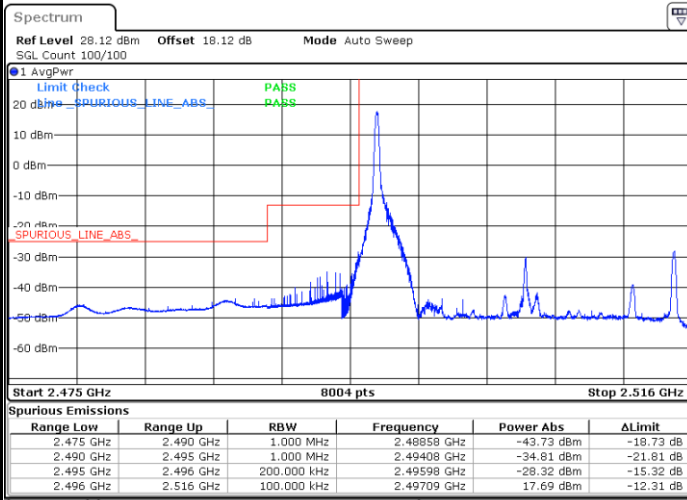


Date: 27 JUN.2025 20:34:36



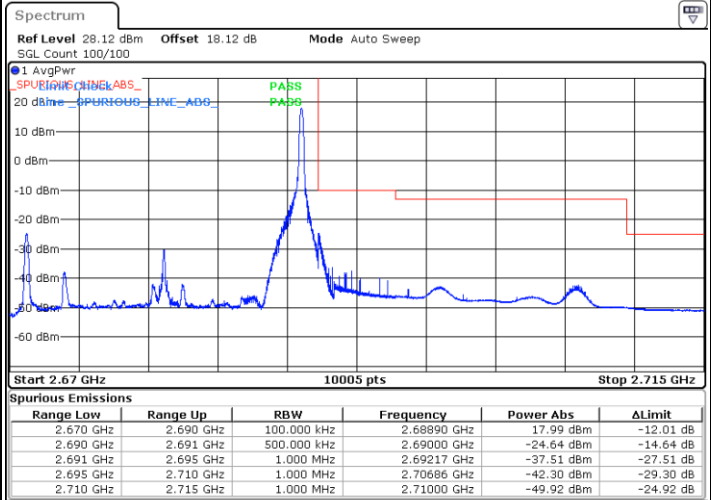
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



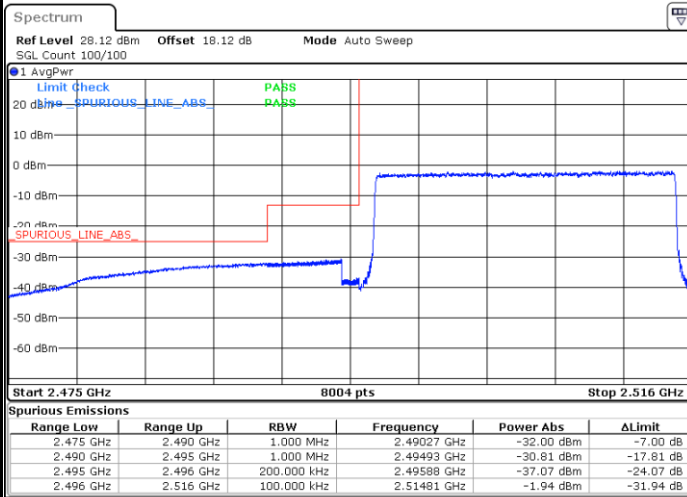
Date: 27 JUN.2025 20:22:49

Highest Band Edge / 1 RB



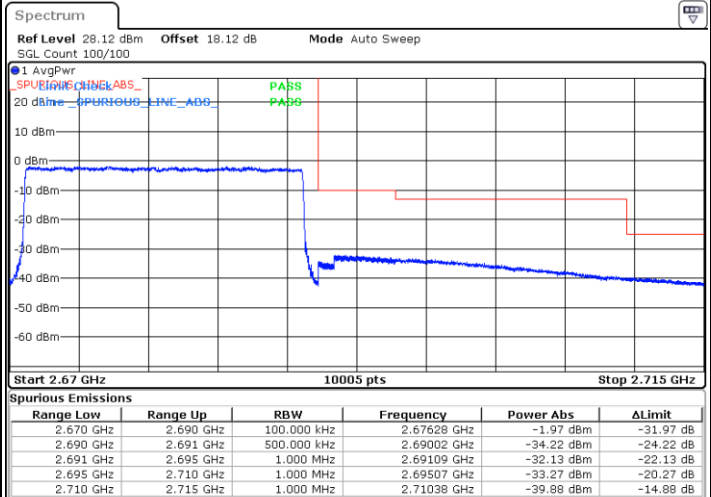
Date: 27 JUN.2025 20:32:11

Lowest Band Edge / Full RB



Date: 27 JUN.2025 20:24:02

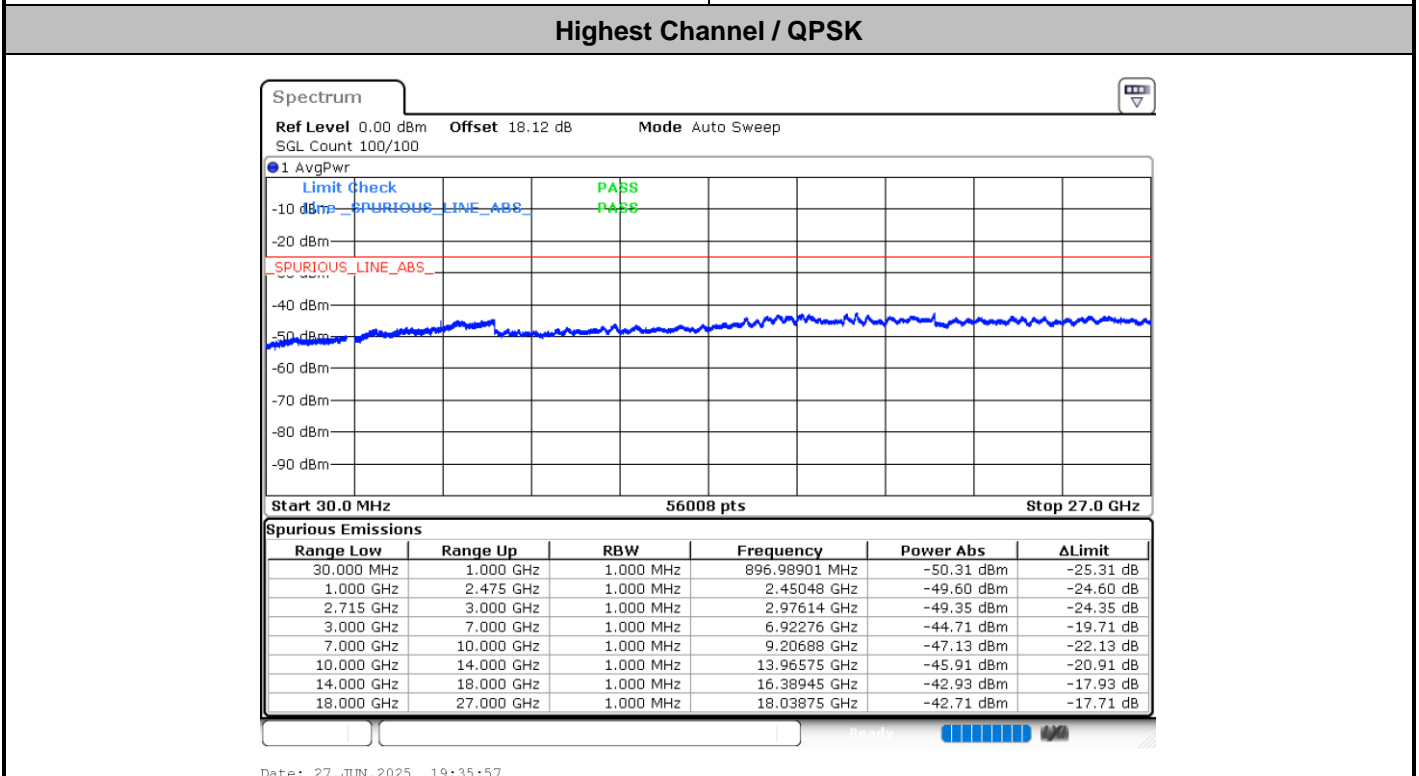
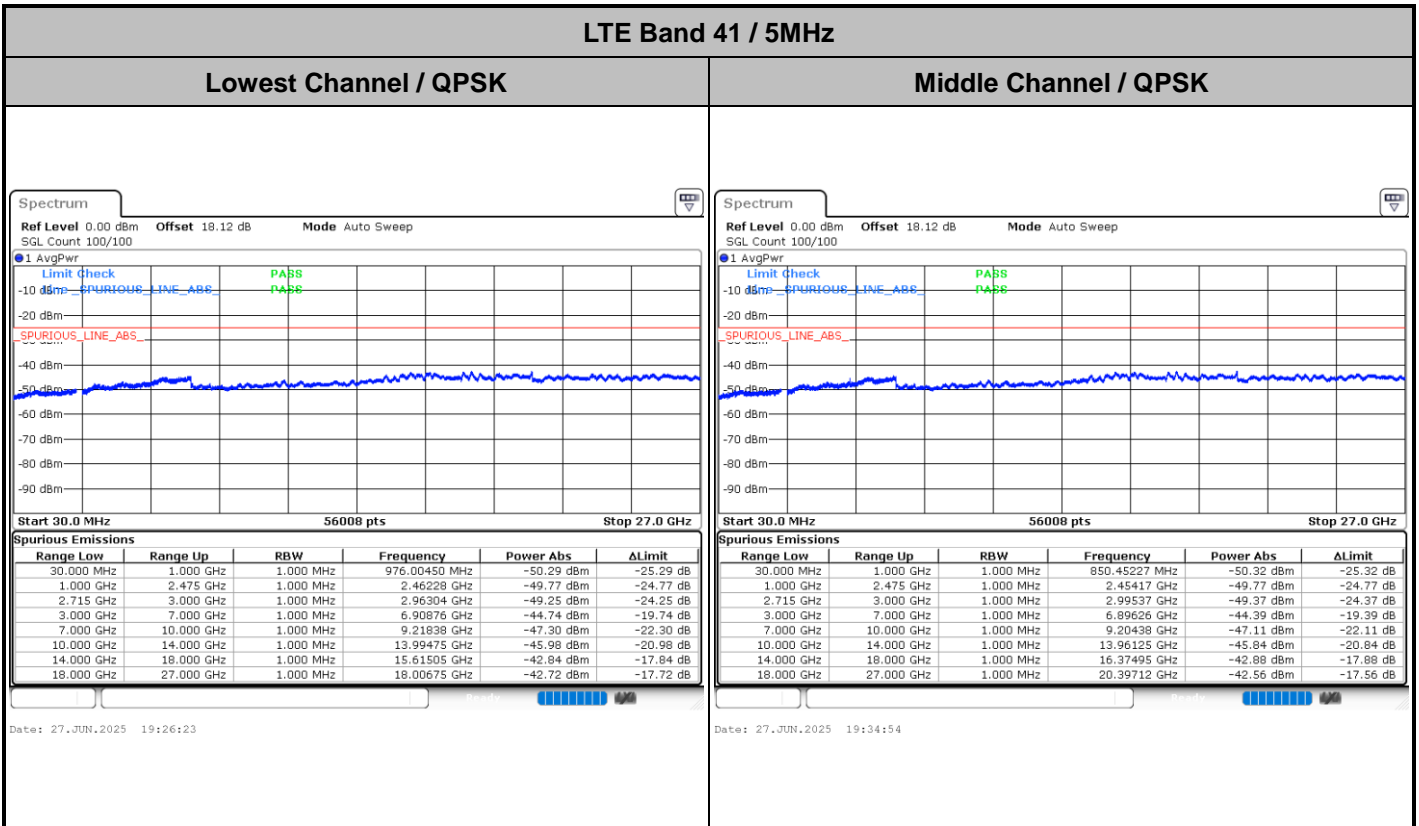
Highest Band Edge / Full RB



Date: 27 JUN.2025 20:33:24



Conducted Spurious Emission

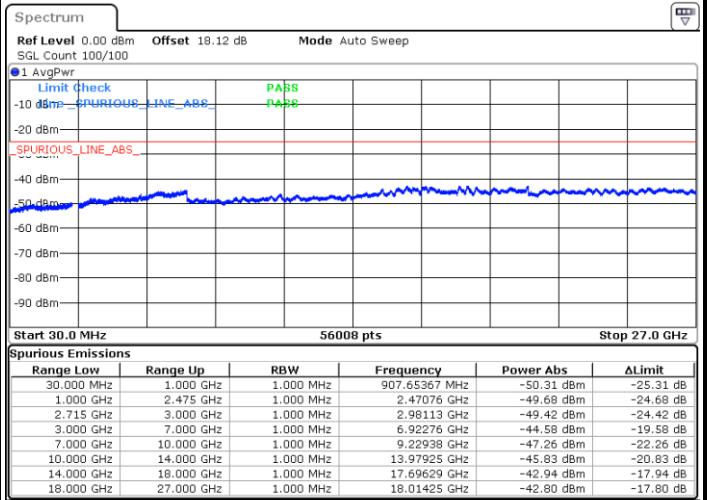
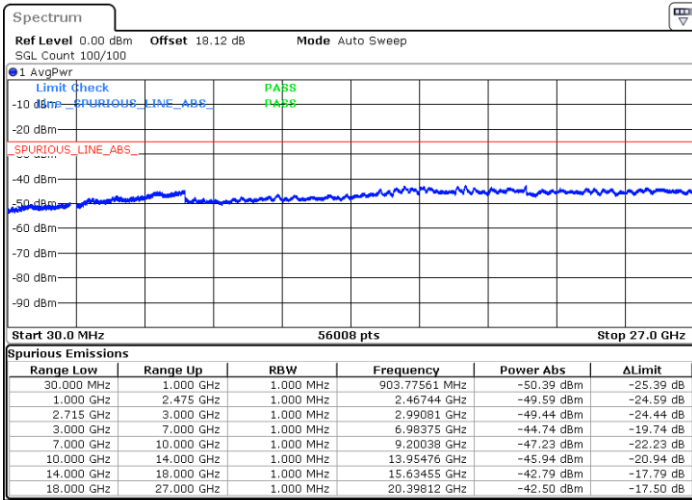




LTE Band 41 / 10MHz

Lowest Channel / QPSK

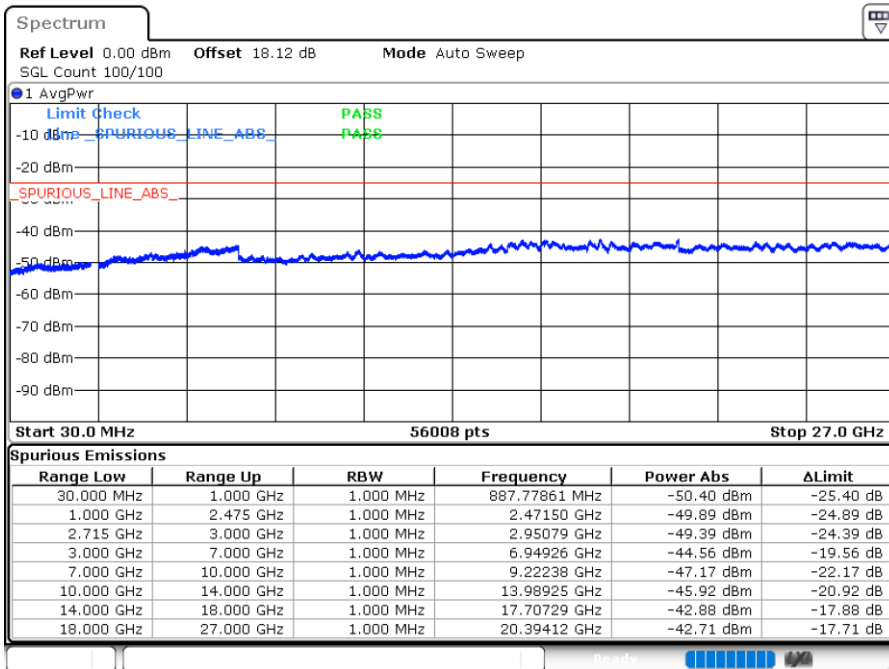
Middle Channel / QPSK



Date: 27 JUN.2025 19:44:15

Date: 27 JUN.2025 19:52:26

Highest Channel / QPSK



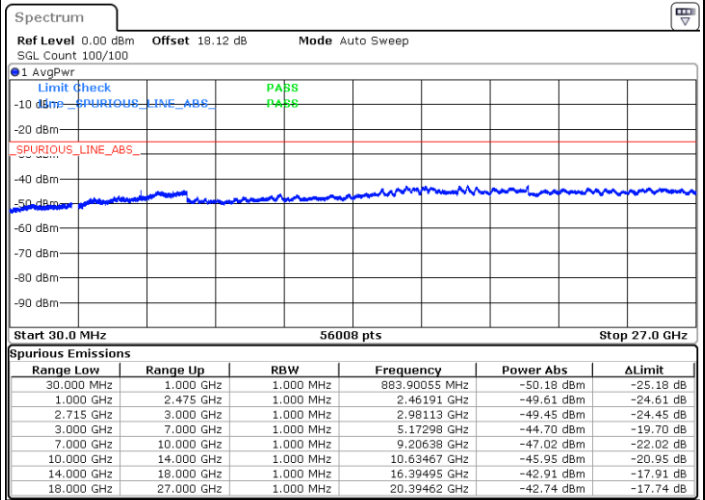
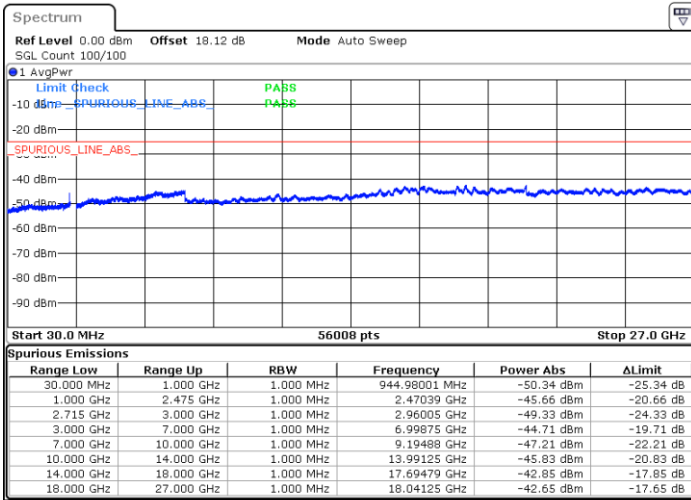
Date: 27 JUN.2025 19:53:28



LTE Band 41 / 15MHz

Lowest Channel / QPSK

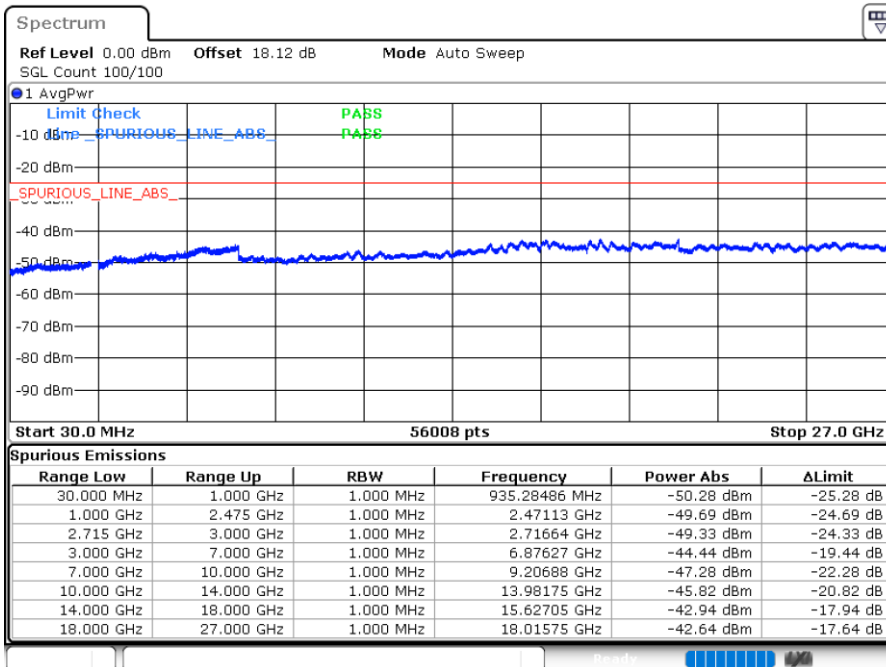
Middle Channel / QPSK



Date: 27 JUN 2025 20:01:49

Date: 27 JUN 2025 20:09:58

Highest Channel / QPSK



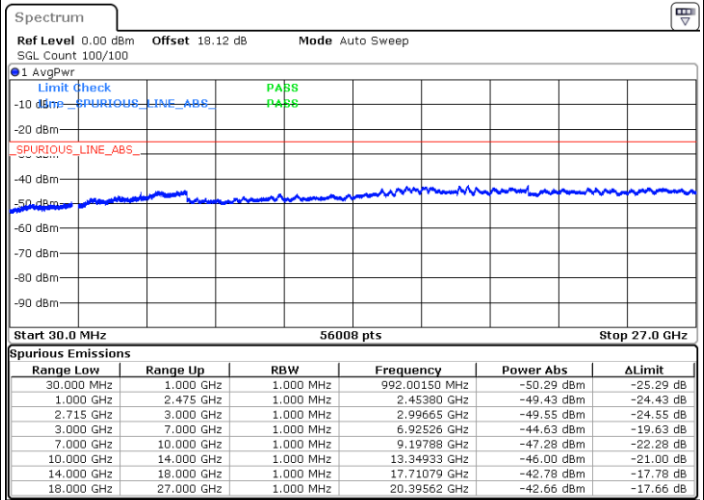
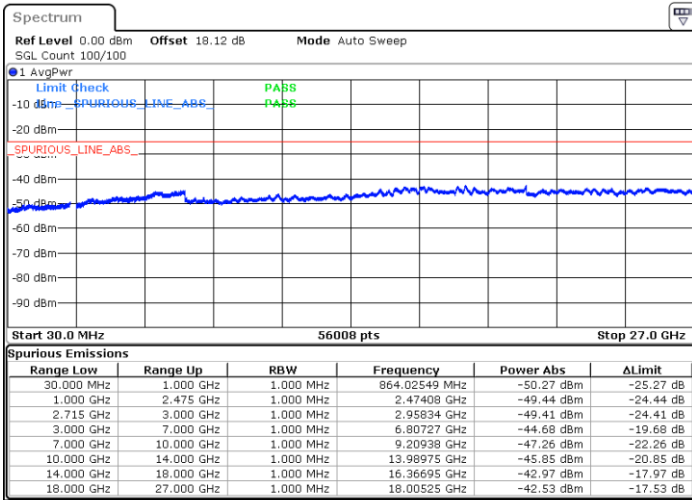
Date: 27 JUN 2025 20:11:01



LTE Band 41 / 20MHz

Lowest Channel / QPSK

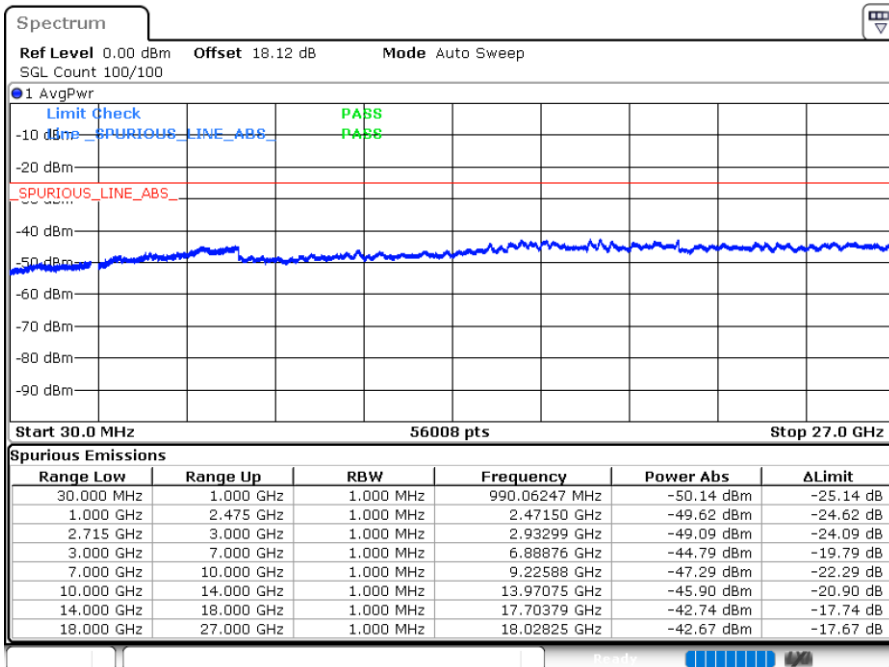
Middle Channel / QPSK



Date: 27 JUN.2025 20:19:20

Date: 27 JUN.2025 20:27:29

Highest Channel / QPSK



Date: 27 JUN.2025 20:28:32



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	0.0020	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0039	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0027	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage =3.91V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris	Temperature :	21~25°C
		Relative Humidity :	51~53%

Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test and record in the report.

For sample 1:

LTE Band 2 / 20MHz / QPSK /Ant 0								
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	3735	-50.76	-13	-37.76	-63.02	2.64	14.90	H
	5610	-55.31	-13	-42.31	-67.17	2.94	14.80	H
	7485	-51.78	-13	-38.78	-61.55	3.39	13.16	H
	3735	-56.14	-13	-43.14	-68.40	2.64	14.90	V
	5610	-55.55	-13	-42.55	-67.41	2.94	14.80	V
	7485	-52.31	-13	-39.31	-62.08	3.39	13.16	V

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

LTE Band 7 / 20MHz / QPSK /Ant 0								
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	-53.03	-25	-28.03	-63.24	3.03	13.24	H
	7584	-58.83	-25	-33.83	-68.28	3.56	13.01	H
	10104	-57.74	-25	-32.74	-67.26	3.92	13.44	H
	5050	-54.96	-25	-29.96	-65.17	3.03	13.24	V
	7584	-62.16	-25	-37.16	-71.61	3.56	13.01	V
	10104	-59.94	-25	-34.94	-69.46	3.92	13.44	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)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-55.88	-13	-42.88	-62.85	1.58	10.70	H
	2496	-58.81	-13	-45.81	-67.06	2.102	12.50	H
	3312	-57.63	-13	-44.63	-66.52	2.856	13.90	H
	1656	-50.98	-13	-37.98	-57.95	1.58	10.70	V
	2496	-57.53	-13	-44.53	-65.78	2.10	12.50	V
	3312	-57.97	-13	-44.97	-66.86	2.86	13.90	V

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

LTE Band 38 / 20MHz / QPSK / Ant 0								
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	5176	-40.23	-25	-15.23	-50.44	3.03	13.24	H
	7752	-47.68	-25	-22.68	-57.13	3.56	13.01	H
	10342	-47.34	-25	-22.34	-56.86	3.92	13.44	H
	5176	-43.01	-25	-18.01	-53.22	3.03	13.24	V
	7752	-54.64	-25	-29.64	-64.09	3.56	13.01	V
	10342	-53.56	-25	-28.56	-63.08	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 0								
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	5176	-50.21	-25	-25.21	-60.42	3.03	13.24	H
	7752	-51.67	-25	-26.67	-61.12	3.56	13.01	H
	10342	-49.97	-25	-24.97	-59.49	3.92	13.44	H
	12932	-51.72	-25	-26.72	-62.09	4.77	15.14	H
	5176	-46.84	-25	-21.84	-57.05	3.03	13.24	V
	7752	-58.30	-25	-33.30	-67.75	3.56	13.01	V
	10342	-61.28	-25	-36.28	-70.80	3.92	13.44	V
	12932	-56.01	-25	-31.01	-66.38	4.77	15.14	V

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



For sample 2 (verify the worse case of sample 1):

LTE Band 38 / 20MHz / QPSK / Ant 0								
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	5176	-46.46	-25	-21.46	-56.67	3.03	13.24	H
	7752	-45.08	-25	-20.08	-54.53	3.56	13.01	H
	10342	-50.10	-25	-25.10	-59.62	3.92	13.44	H
	5176	-50.30	-25	-25.30	-60.51	3.03	13.24	V
	7752	-54.57	-25	-29.57	-64.02	3.56	13.01	V
	10342	-54.77	-25	-29.77	-64.29	3.92	13.44	V

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