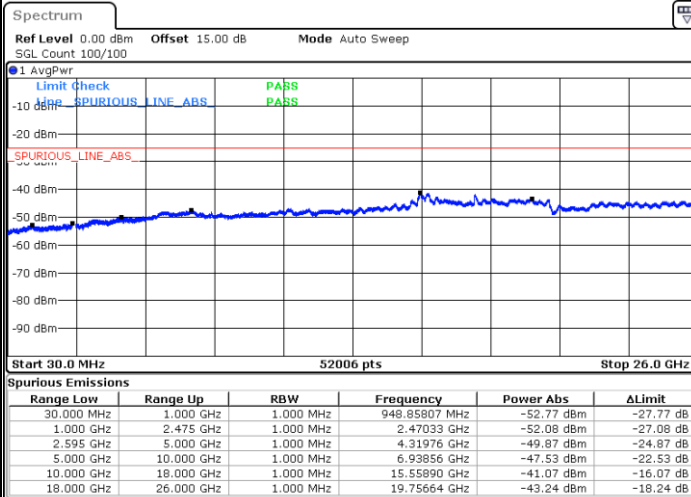




Conducted Spurious Emission

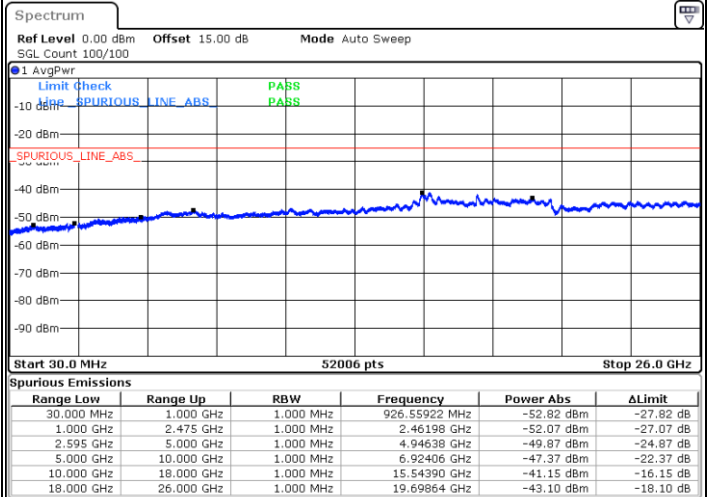
LTE Band 7 / 5MHz

Lowest Channel / QPSK



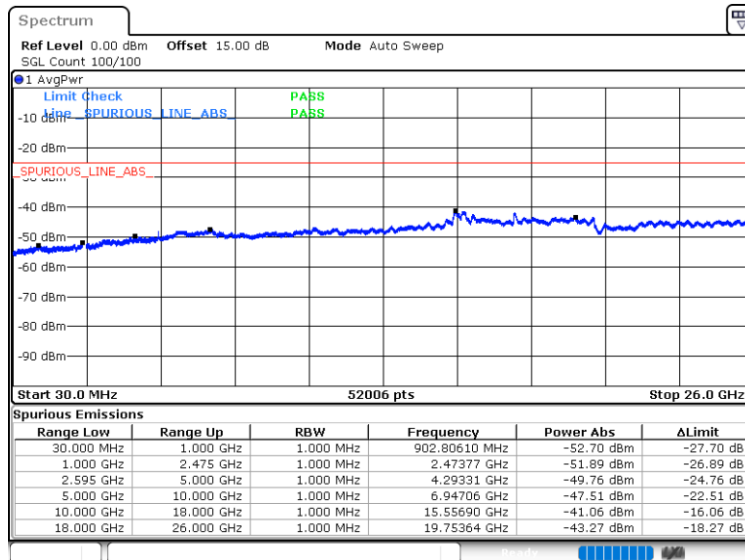
Date: 23.MAR.2026 17:03:58

Middle Channel / QPSK



Date: 23.MAR.2026 17:05:02

Highest Channel / QPSK

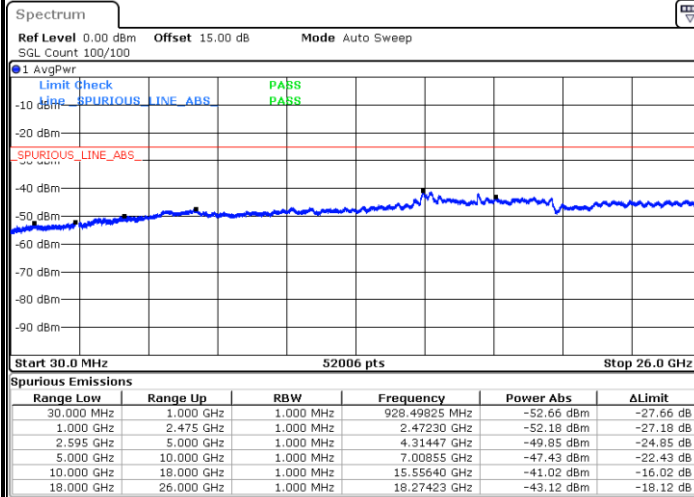


Date: 23.MAR.2026 17:14:00



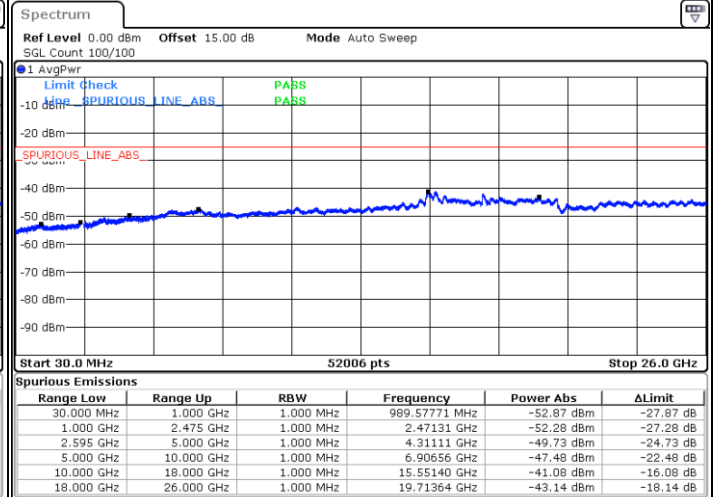
LTE Band 7 / 10MHz

Lowest Channel / QPSK



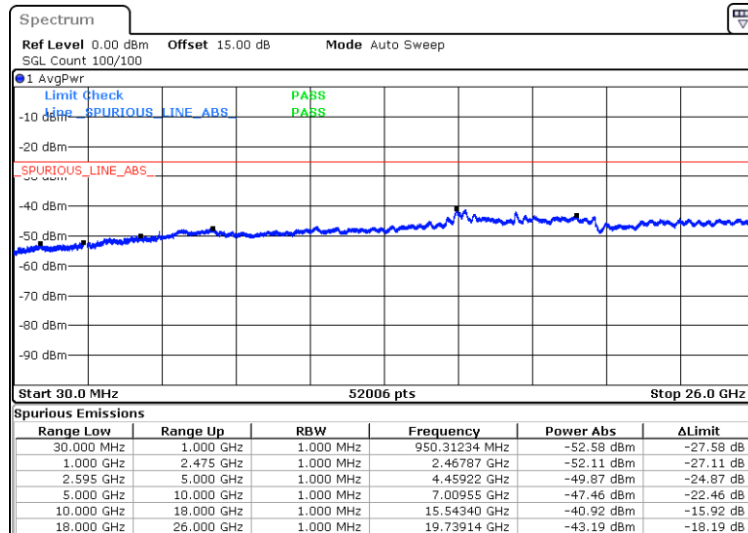
Date: 23.MAR.2026 17:20:52

Middle Channel / QPSK



Date: 23.MAR.2026 17:21:56

Highest Channel / QPSK

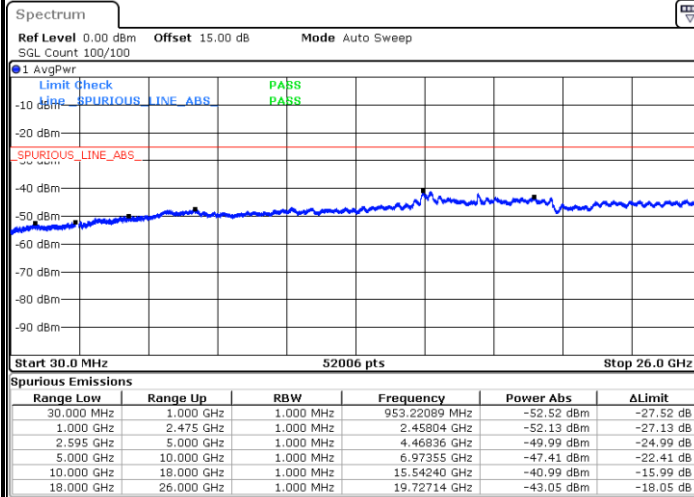


Date: 23.MAR.2026 17:29:29



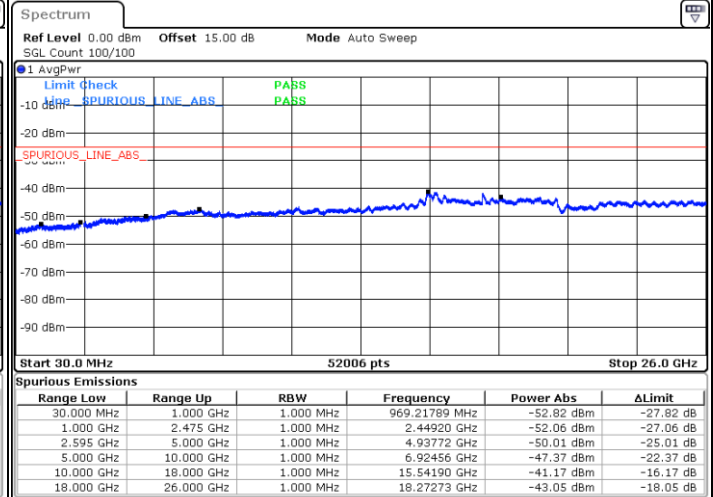
LTE Band 7 / 15MHz

Lowest Channel / QPSK



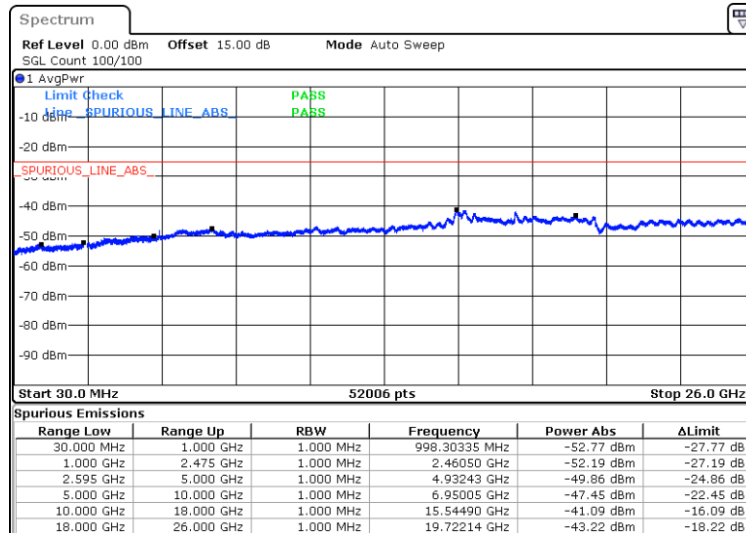
Date: 23.MAR.2026 17:36:25

Middle Channel / QPSK



Date: 23.MAR.2026 17:37:29

Highest Channel / QPSK

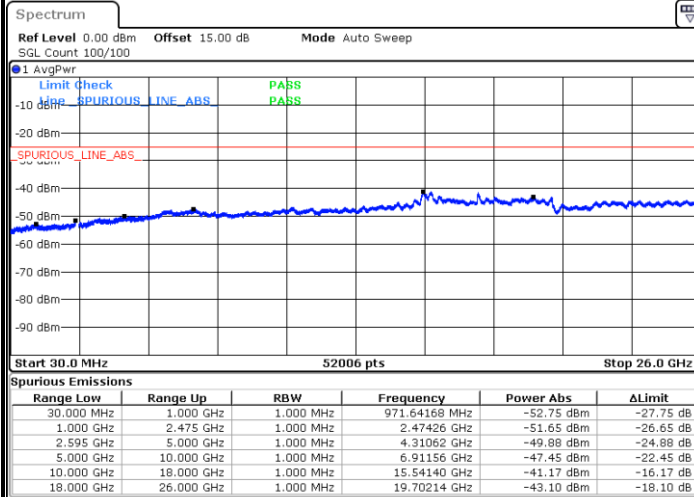


Date: 23.MAR.2026 17:44:59



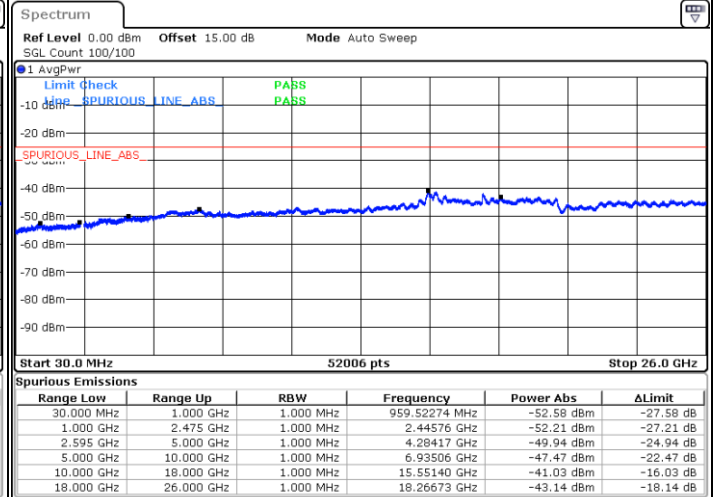
LTE Band 7 / 20MHz

Lowest Channel / QPSK



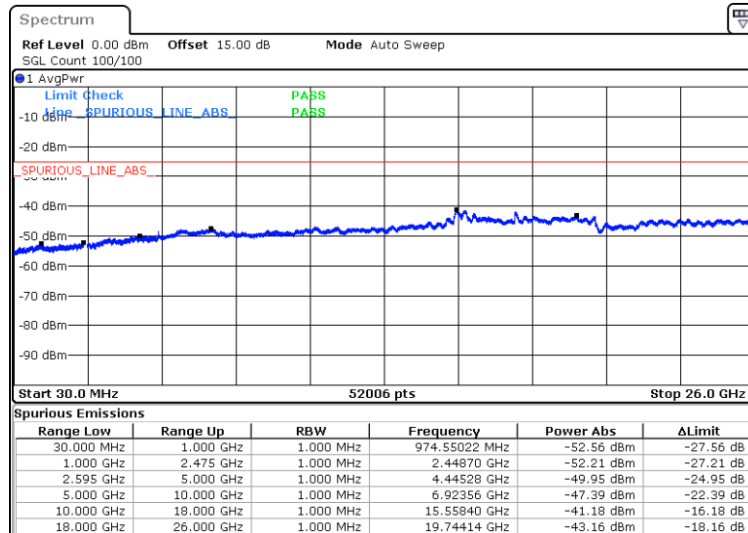
Date: 23.MAR.2026 17:51:55

Middle Channel / QPSK



Date: 23.MAR.2026 17:52:59

Highest Channel / QPSK



Date: 23.MAR.2026 18:01:52

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0040	

Note:

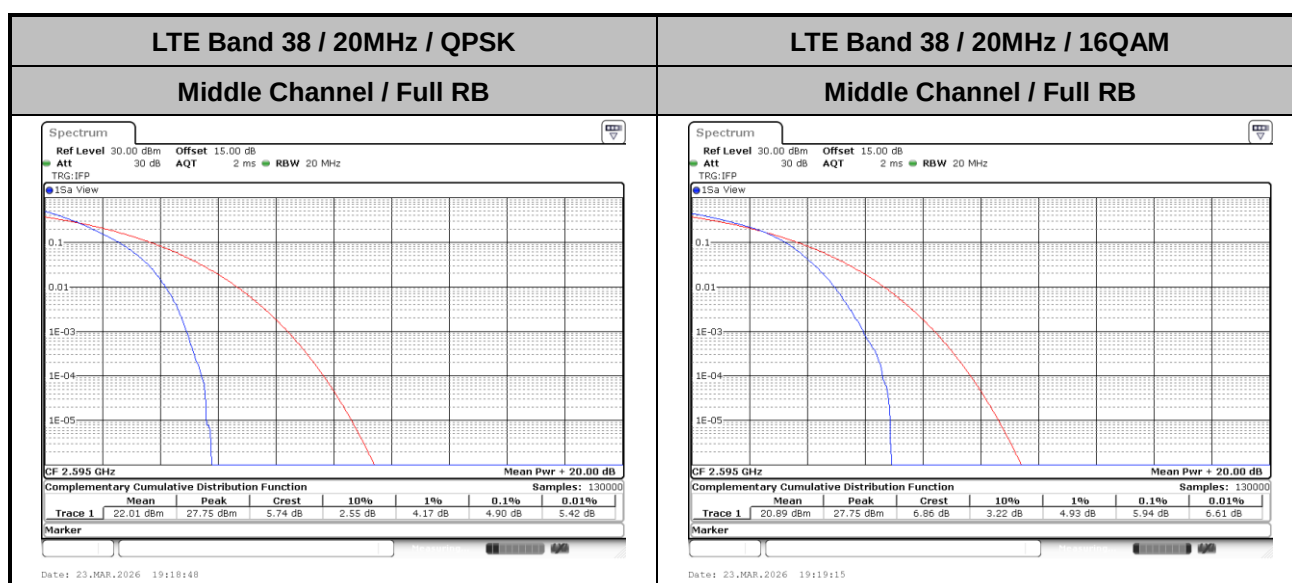
1. Normal Voltage = 7.8V. ; Minimum Voltage= 6 V. ; Maximum Voltage =8.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38

Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz			
Mod.	QPSK	16QAM	-	Limit: 13dB
RB Size	Full RB	Full RB	-	Result
Middle CH	4.90	5.94	-	PASS





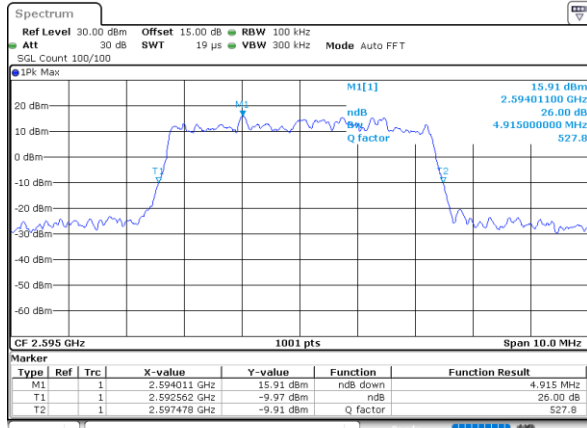
26dB Bandwidth

Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.92	4.79	9.73	9.71	14.30	14.60	18.62	19.06



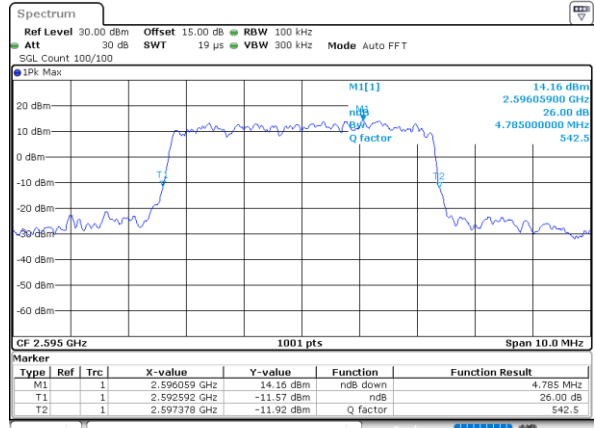
LTE Band 38

Middle Channel / 5MHz / QPSK



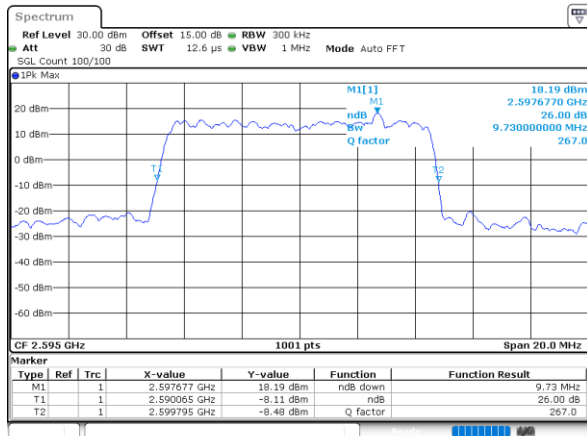
Date: 23.MAR.2026 18:34:32

Middle Channel / 5MHz / 16QAM



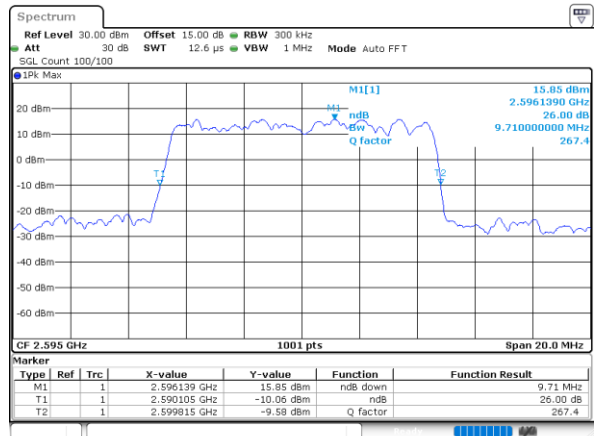
Date: 23.MAR.2026 18:35:11

Middle Channel / 10MHz / QPSK



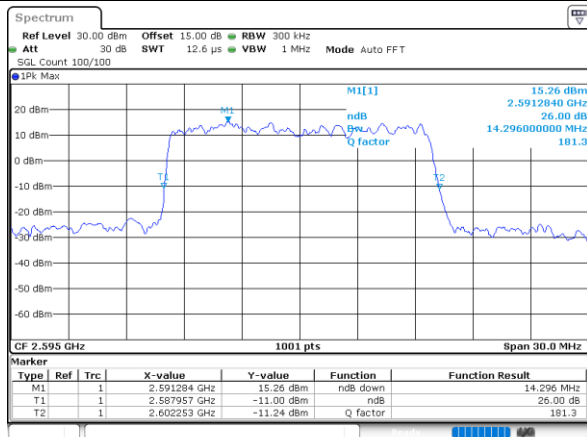
Date: 23.MAR.2026 18:46:55

Middle Channel / 10MHz / 16QAM



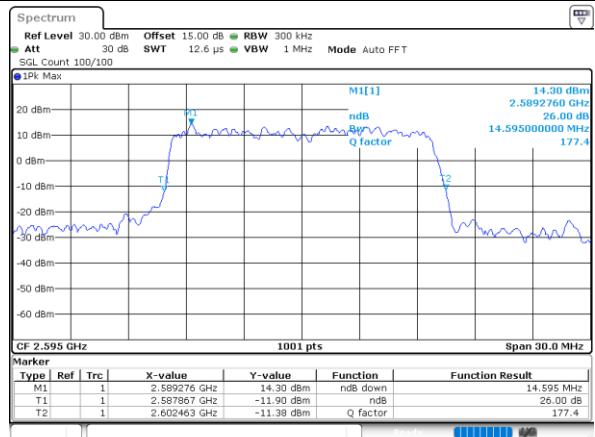
Date: 23.MAR.2026 18:47:35

Middle Channel / 15MHz / QPSK



Date: 23.MAR.2026 19:04:36

Middle Channel / 15MHz / 16QAM

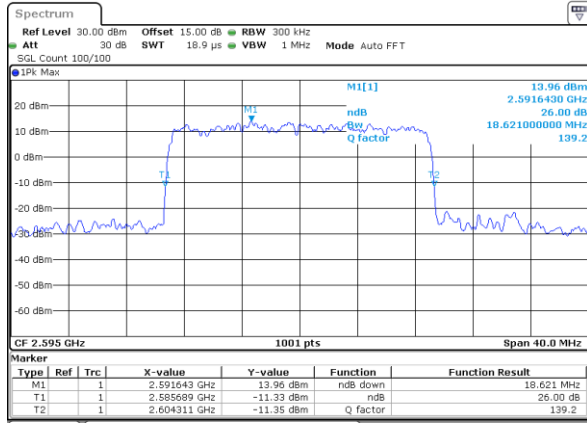


Date: 23.MAR.2026 19:05:15



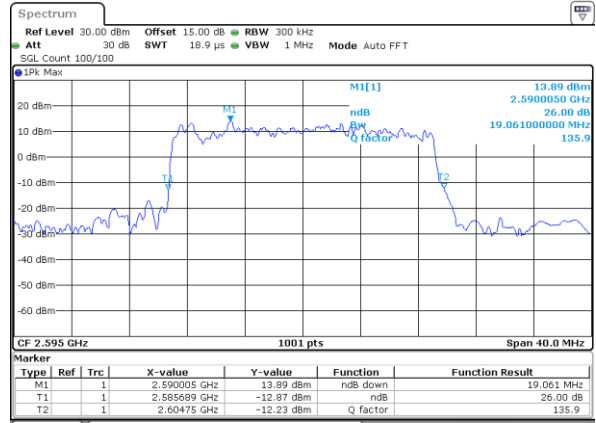
LTE Band 38

Middle Channel / 20MHz / QPSK



Date: 23.MAR.2026 19:17:43

Middle Channel / 20MHz / 16QAM



Date: 23.MAR.2026 19:18:22



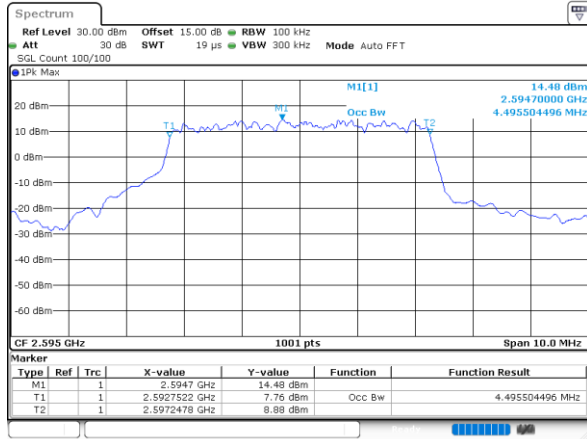
Occupied Bandwidth

Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.50	4.47	8.95	9.01	13.40	13.40	17.86	17.78

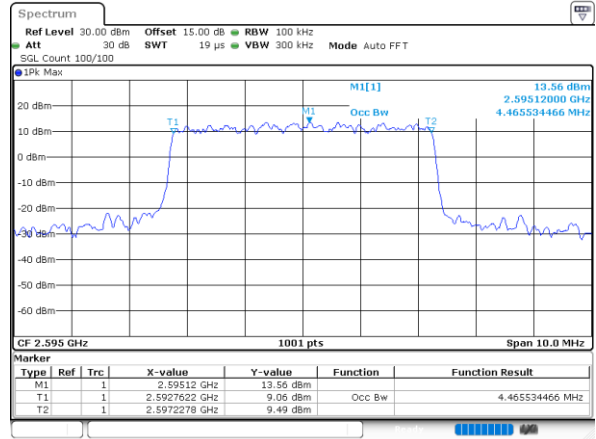


LTE Band 38

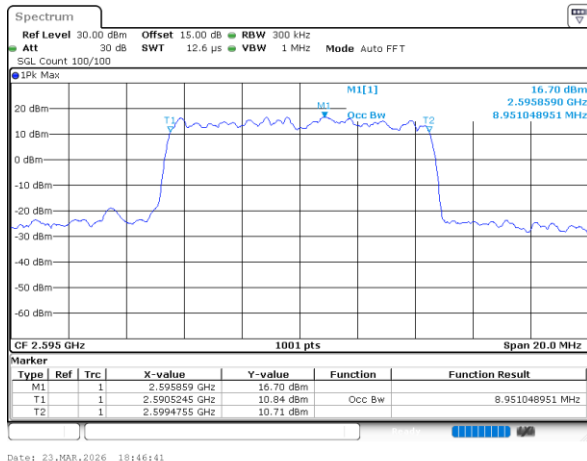
Middle Channel / 5MHz / QPSK



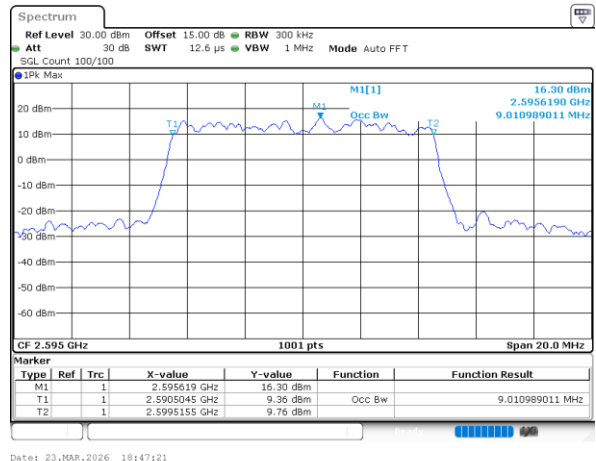
Middle Channel / 5MHz / 16QAM



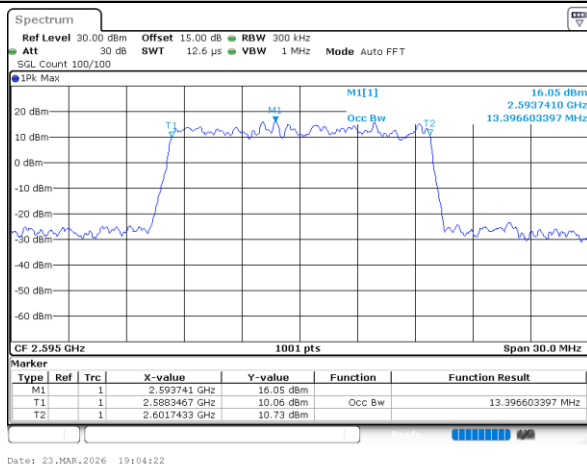
Middle Channel / 10MHz / QPSK



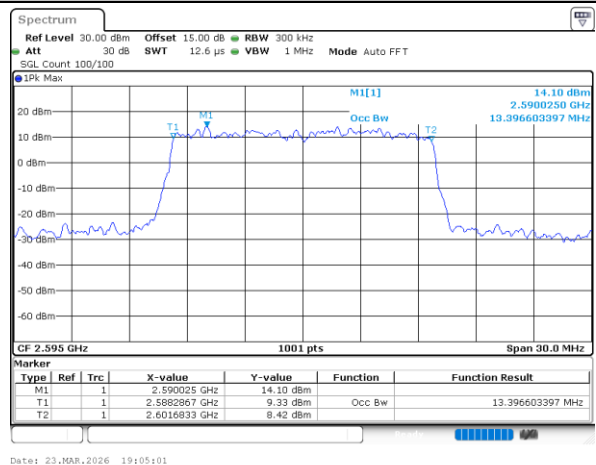
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



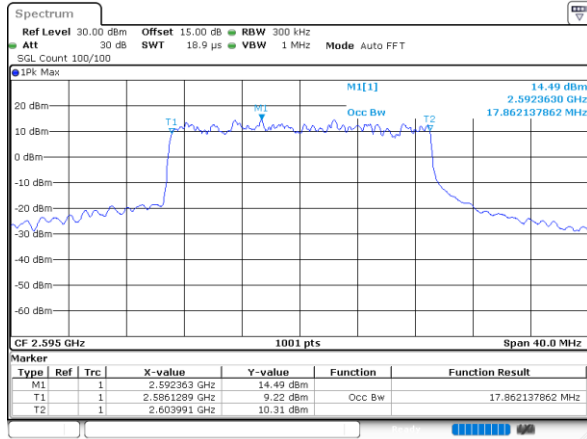
Middle Channel / 15MHz / 16QAM





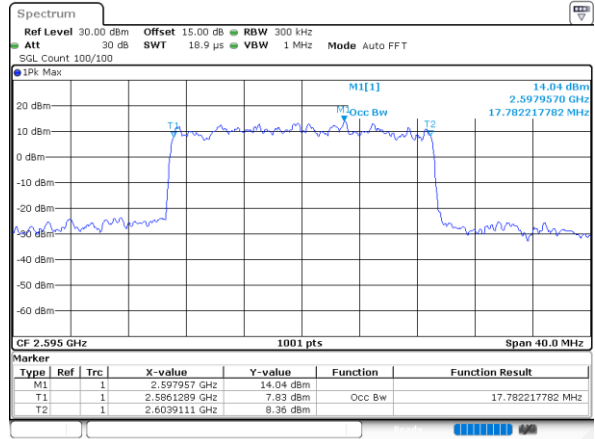
LTE Band 38

Middle Channel / 20MHz / QPSK



Date: 23.MAR.2026 19:17:29

Middle Channel / 20MHz / 16QAM



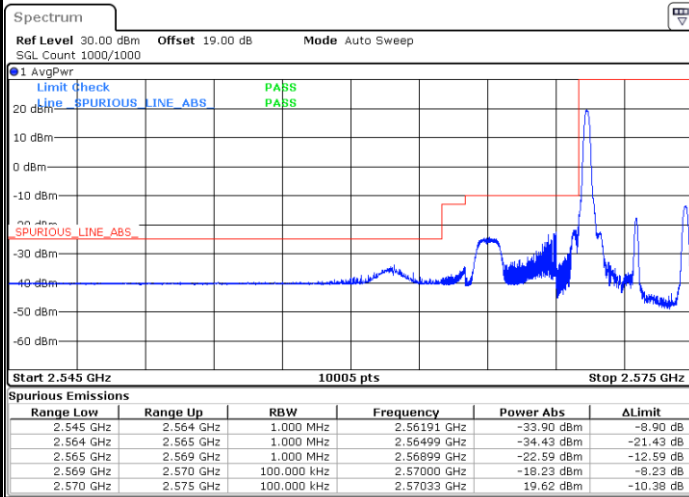
Date: 23.MAR.2026 19:18:08



Conducted Band Edge

LTE Band 38 / 5MHz / QPSK

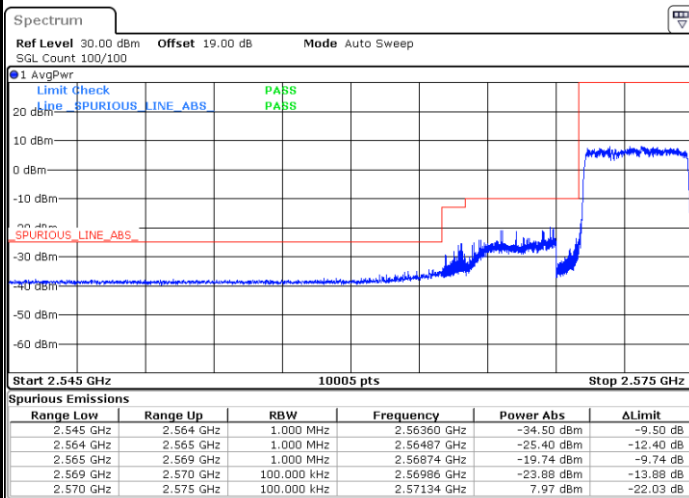
Lowest Band Edge / 1 RB



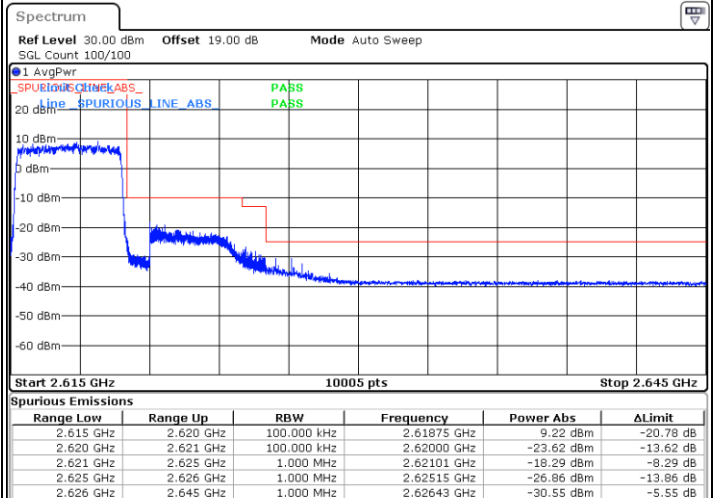
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



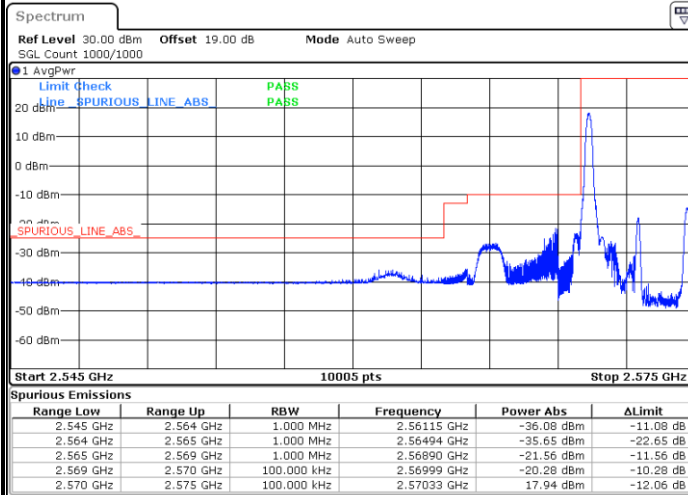
Highest Band Edge / Full RB



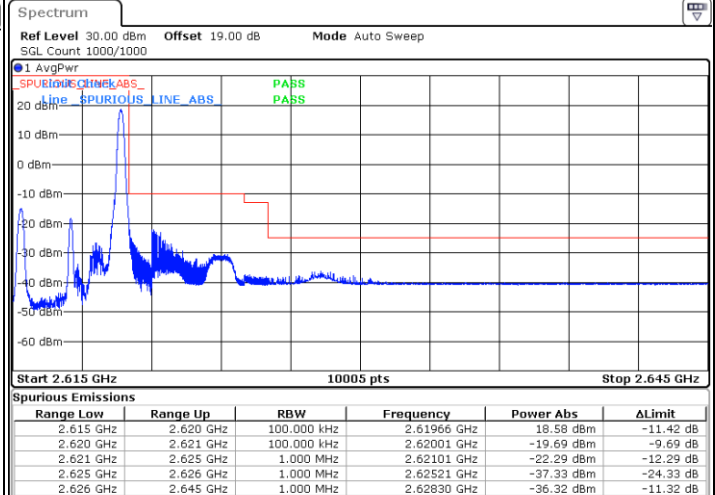


LTE Band 38 / 5MHz / 16QAM

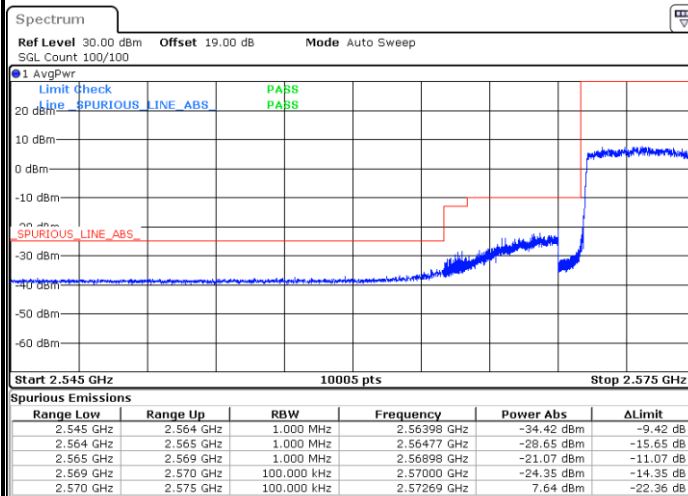
Lowest Band Edge / 1RB



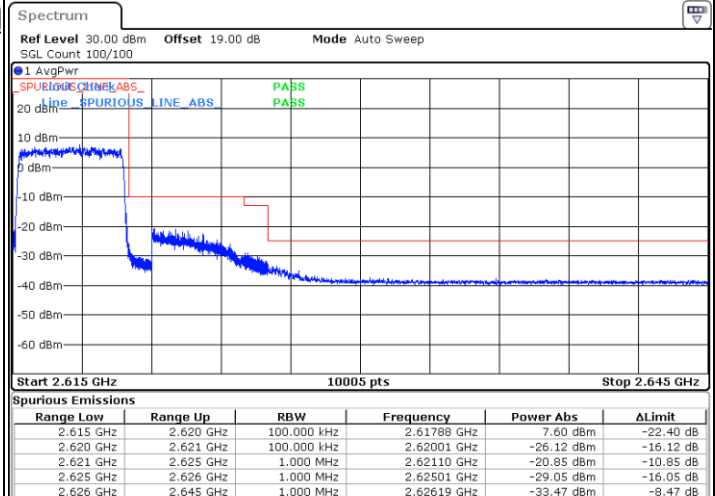
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



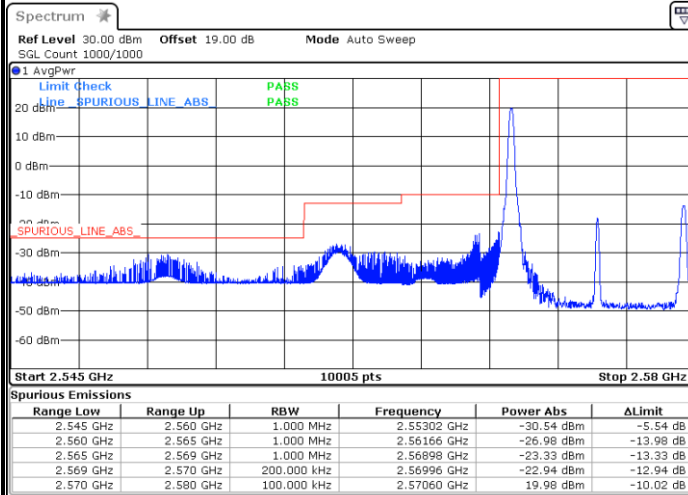
Highest Band Edge / Full RB





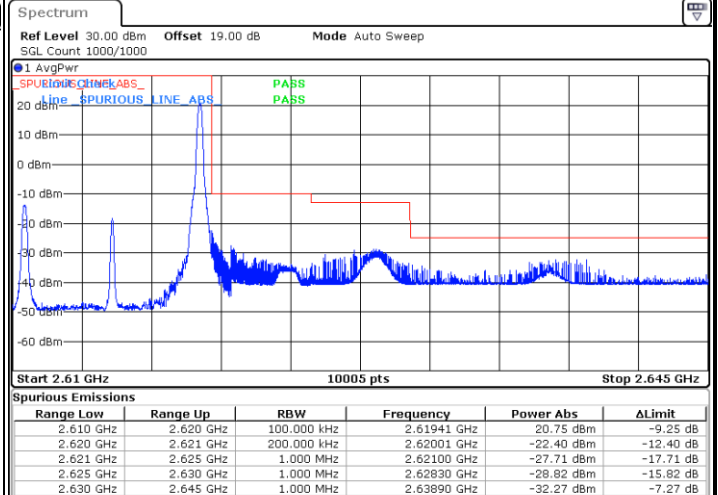
LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB



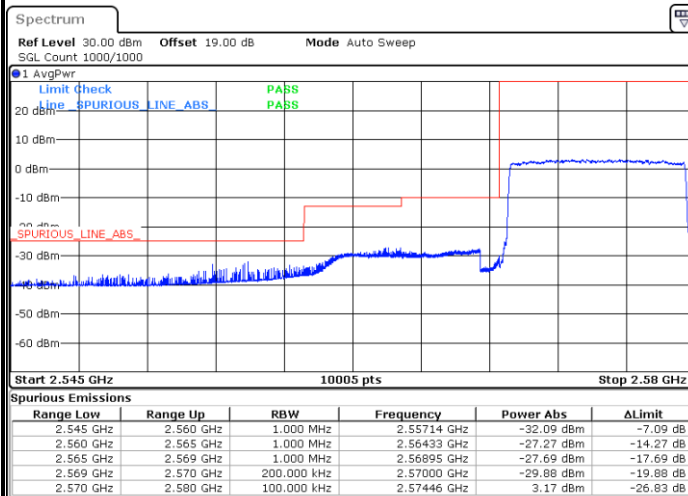
Date: 27.MAR.2026 13:11:05

Highest Band Edge / 1 RB



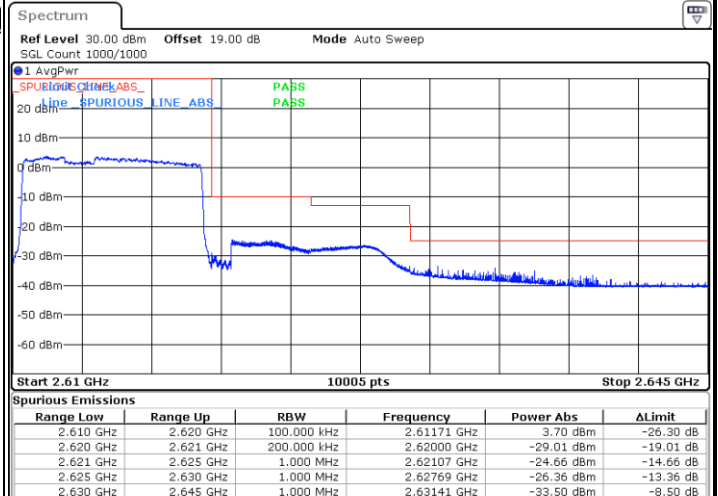
Date: 27.MAR.2026 13:19:25

Lowest Band Edge / Full RB



Date: 27.MAR.2026 13:12:34

Highest Band Edge / Full RB

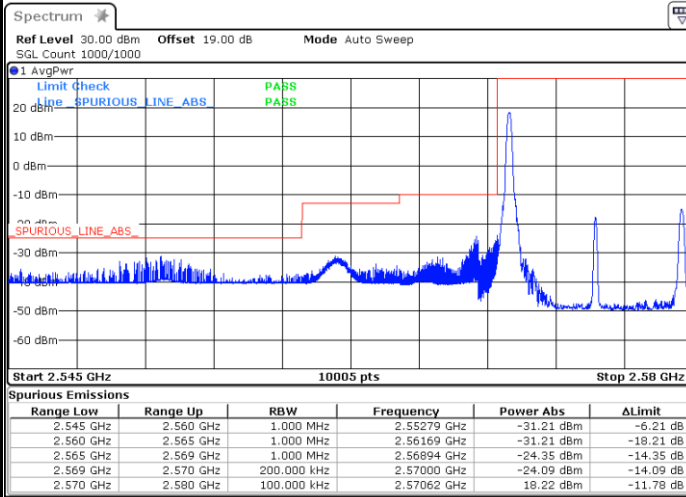


Date: 27.MAR.2026 13:25:27

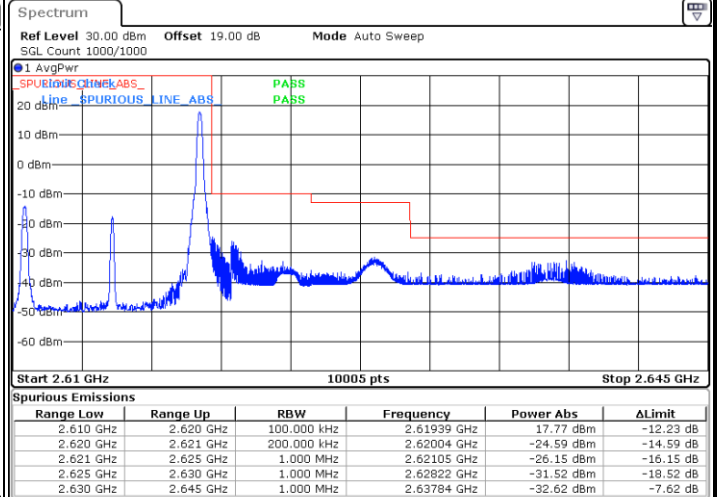


LTE Band 38 / 10MHz / 16QAM

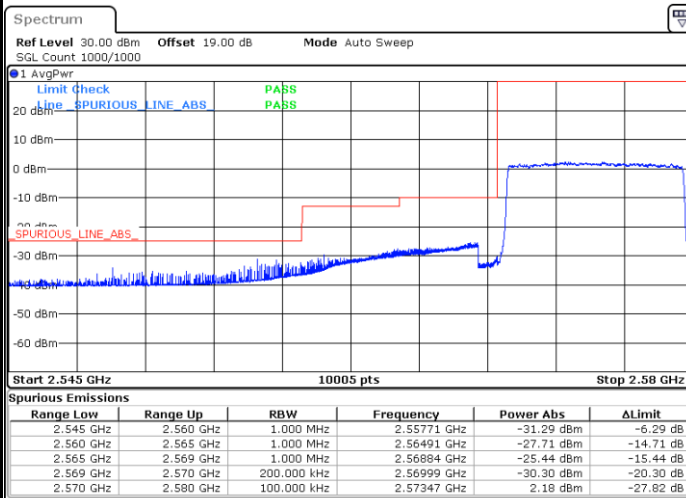
Lowest Band Edge / 1RB



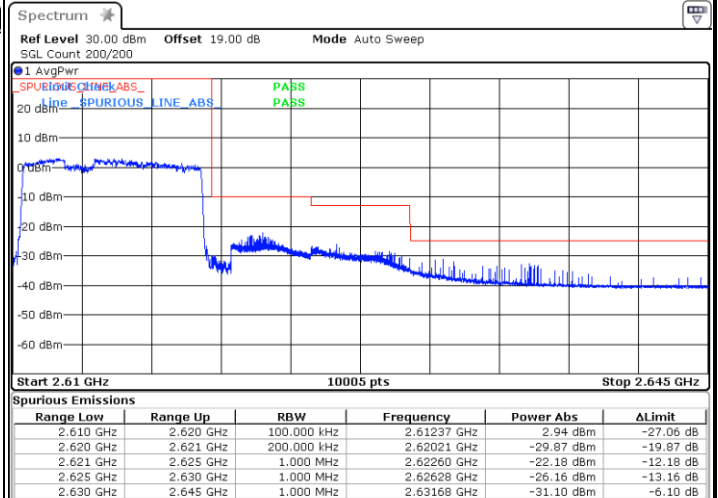
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



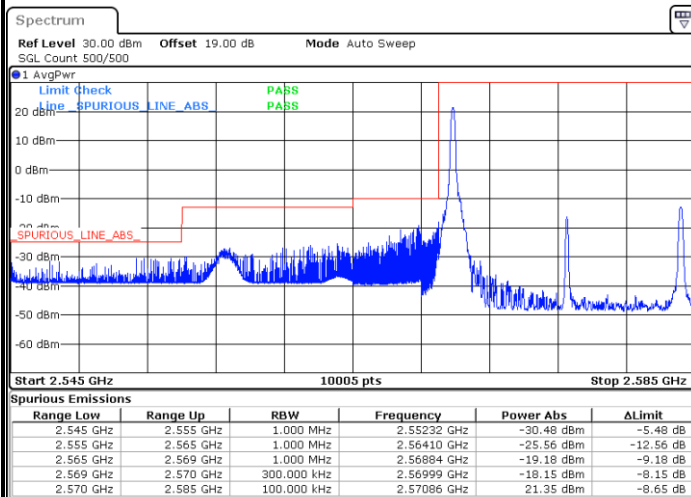
Highest Band Edge / Full RB





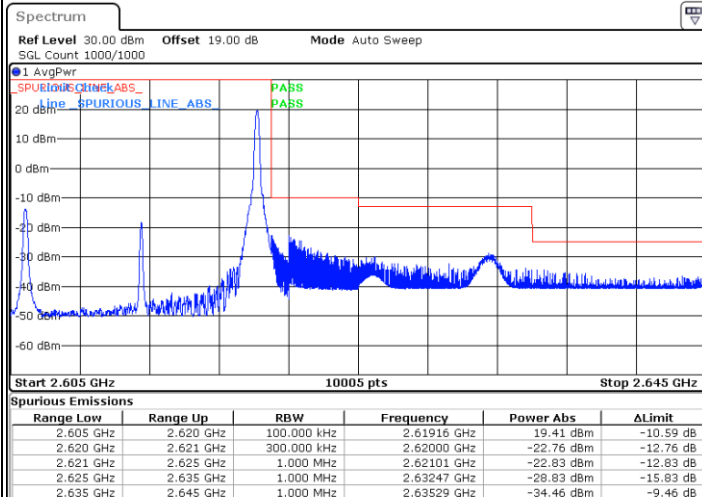
LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / 1 RB



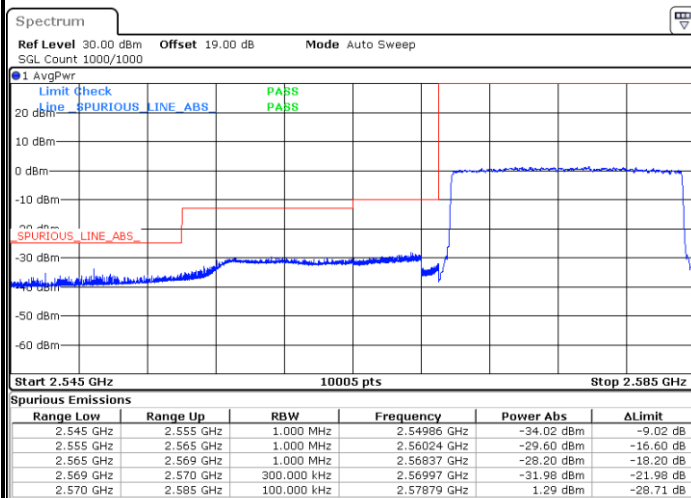
Date: 23.MAR.2026 19:52:11

Highest Band Edge / 1 RB



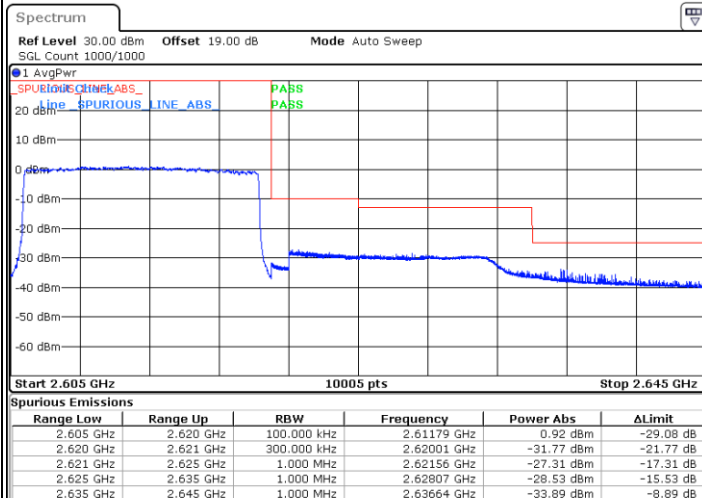
Date: 27.MAR.2026 13:52:08

Lowest Band Edge / Full RB



Date: 27.MAR.2026 13:46:04

Highest Band Edge / Full RB

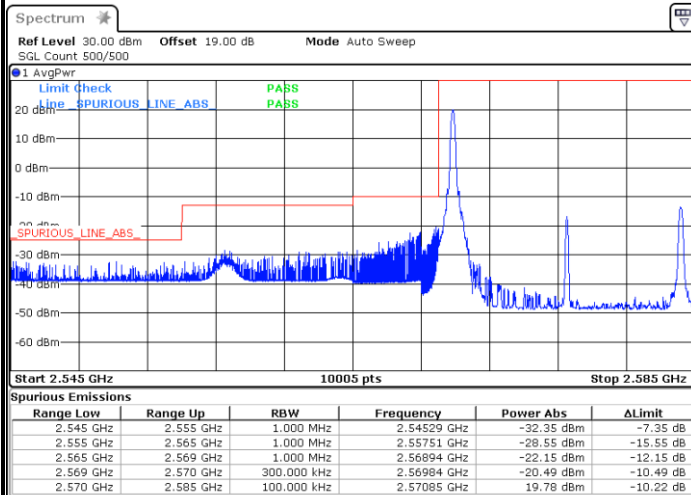


Date: 27.MAR.2026 13:55:11



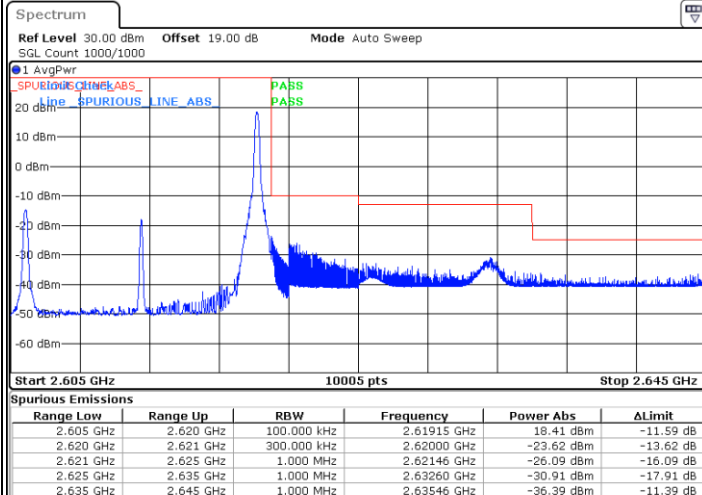
LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / 1RB



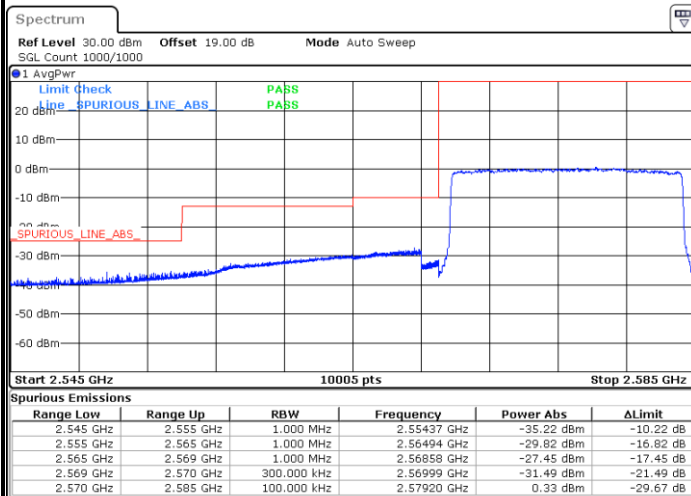
Date: 23.MAR.2026 19:50:27

Highest Band Edge / 1 RB



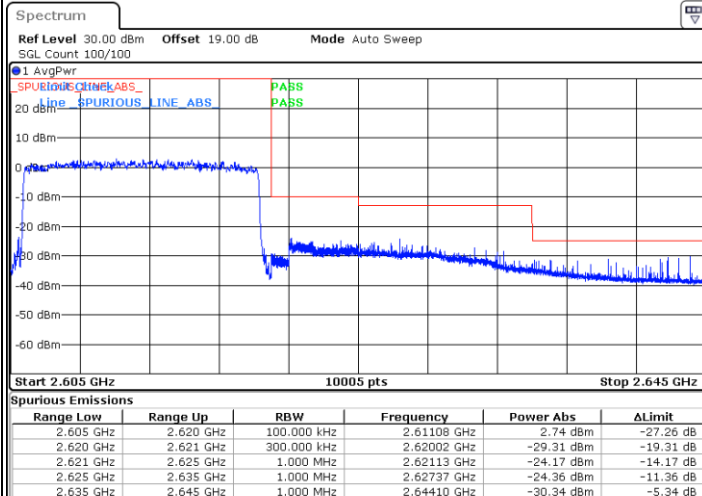
Date: 27.MAR.2026 13:47:39

Lowest Band Edge / Full RB



Date: 27.MAR.2026 13:43:32

Highest Band Edge / Full RB

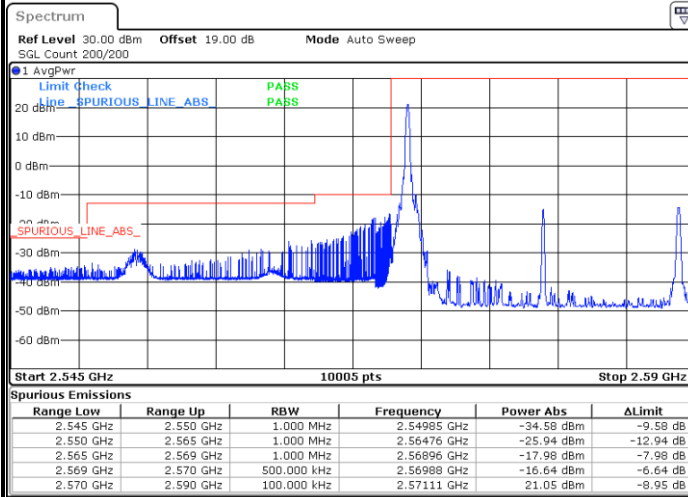


Date: 23.MAR.2026 19:08:55

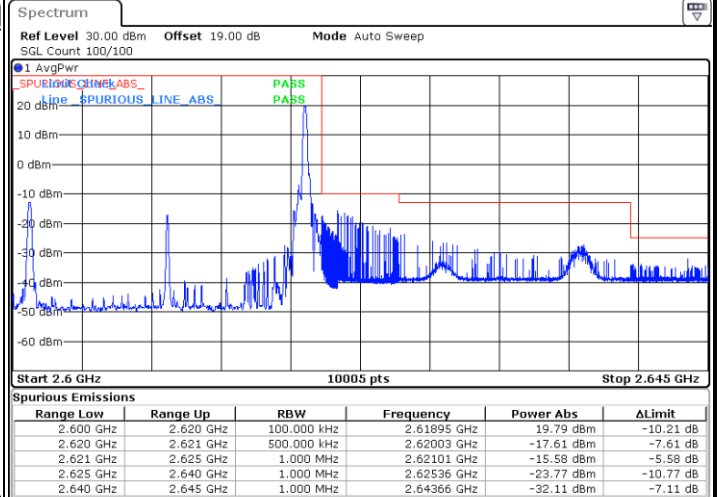


LTE Band 38 / 20MHz / QPSK

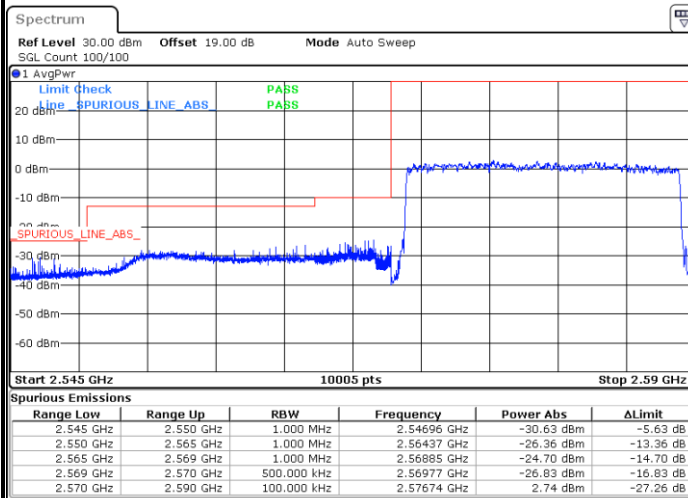
Lowest Band Edge / 1 RB



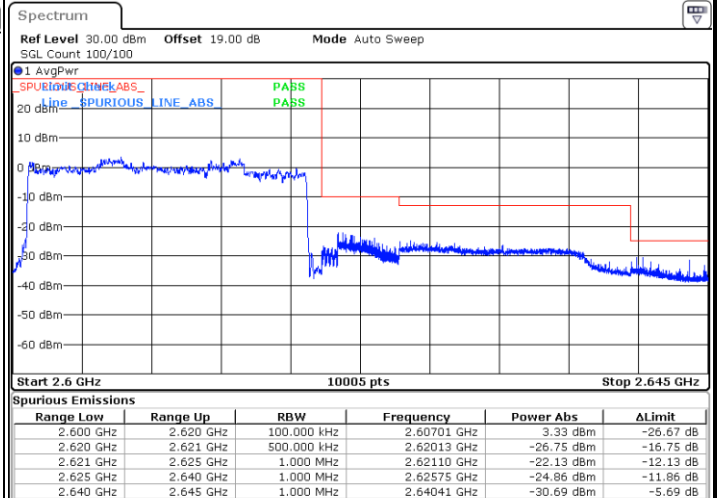
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



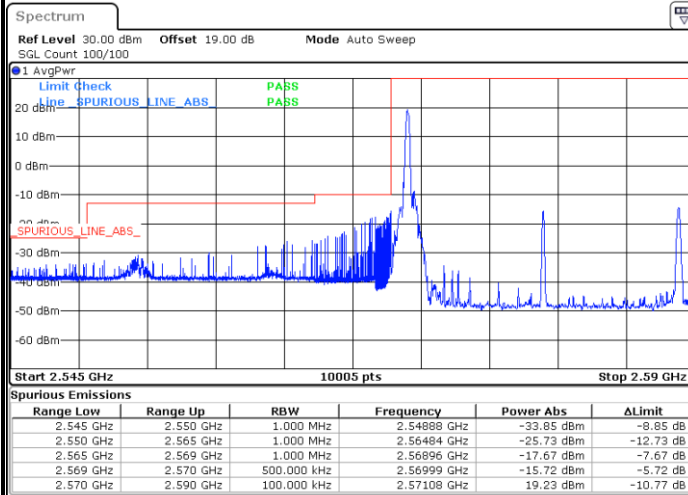
Highest Band Edge / Full RB



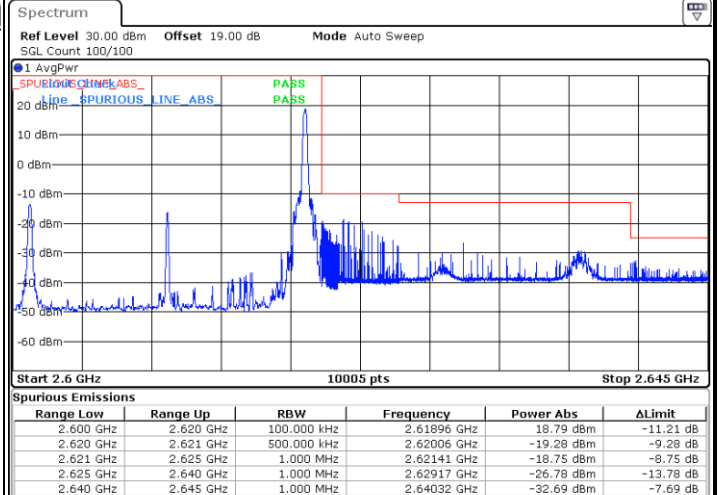


LTE Band 38 / 20MHz / 16QAM

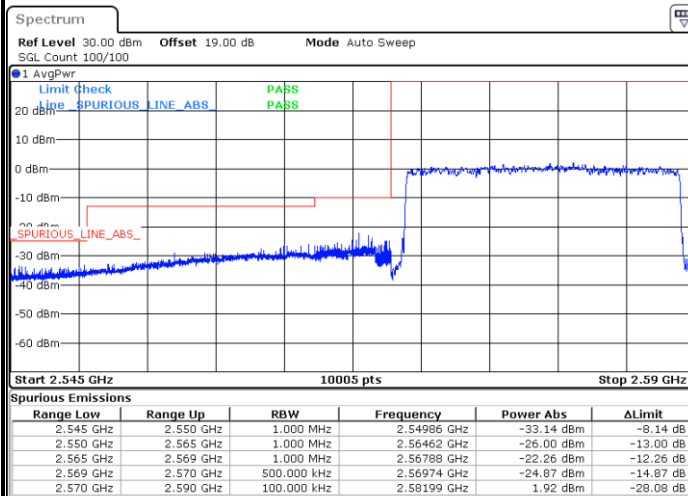
Lowest Band Edge / 1RB



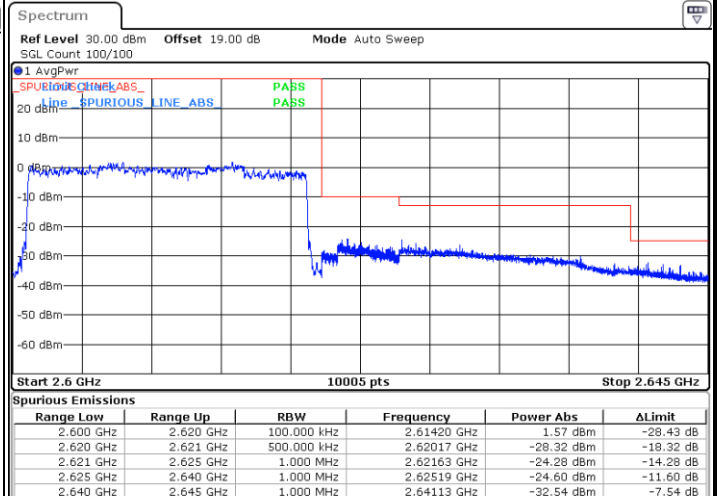
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

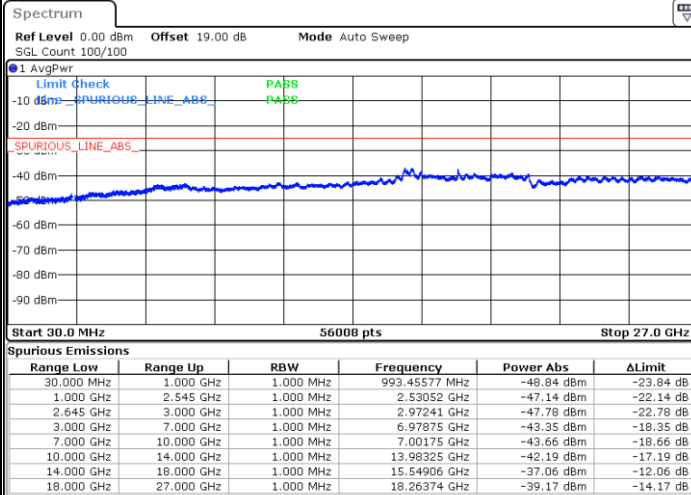




Conducted Spurious Emission

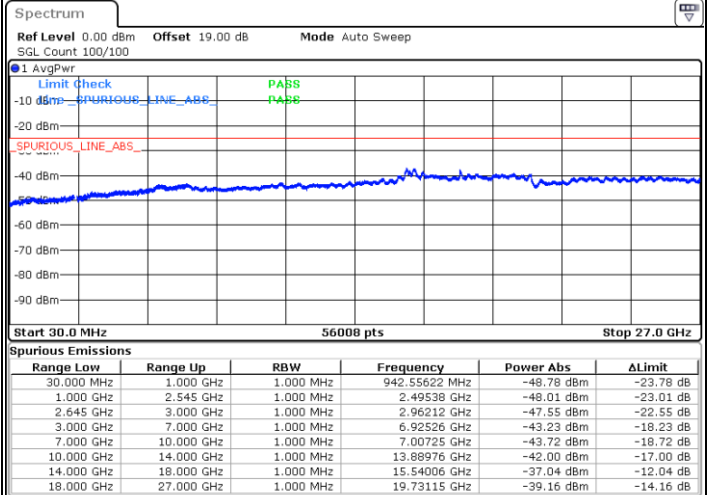
LTE Band 38 / 5MHz

Lowest Channel / QPSK



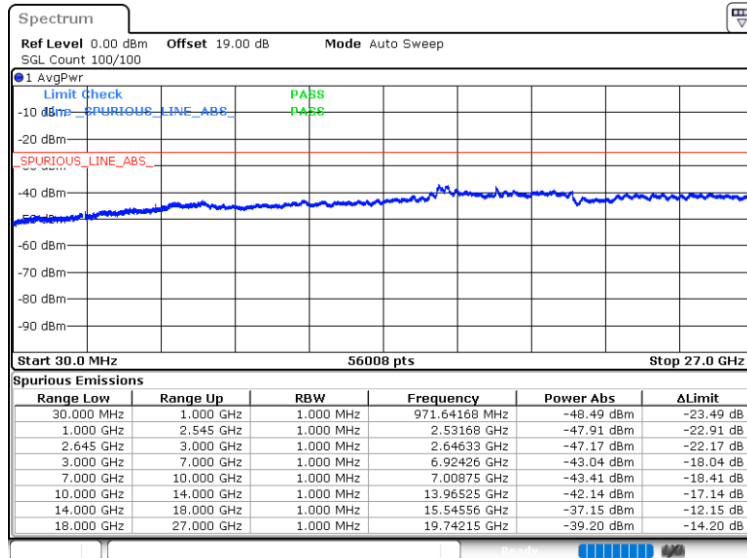
Date: 23.MAR.2026 18:31:57

Middle Channel / QPSK



Date: 23.MAR.2026 18:33:03

Highest Channel / QPSK

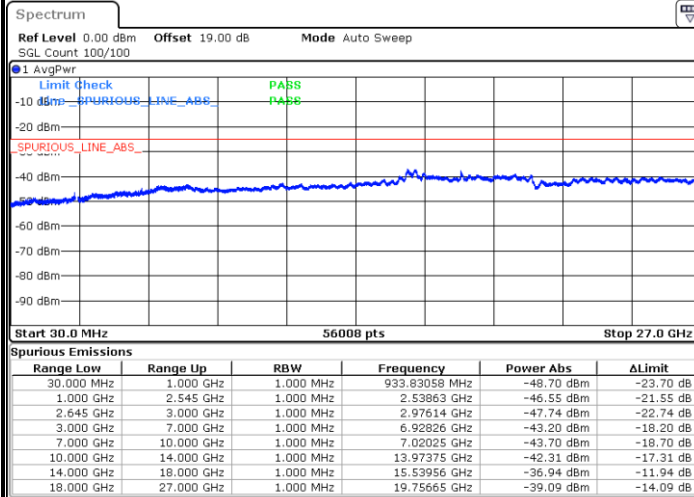


Date: 23.MAR.2026 18:39:49



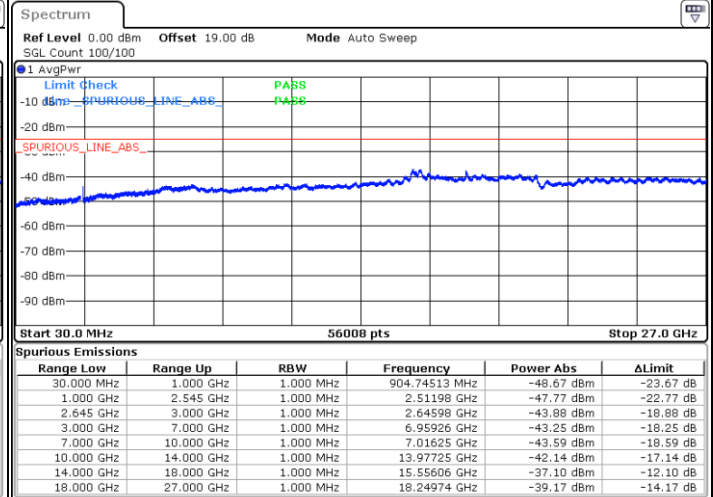
LTE Band 38 / 10MHz

Lowest Channel / QPSK



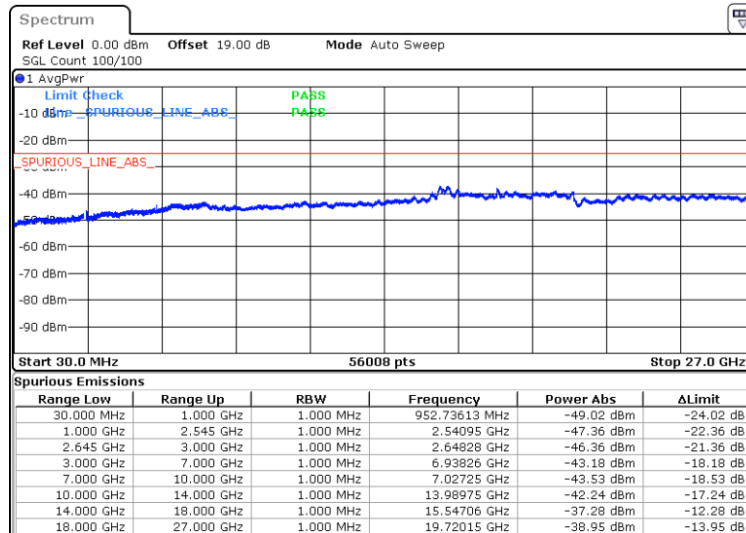
Date: 23.MAR.2026 18:45:10

Middle Channel / QPSK



Date: 23.MAR.2026 18:46:15

Highest Channel / QPSK

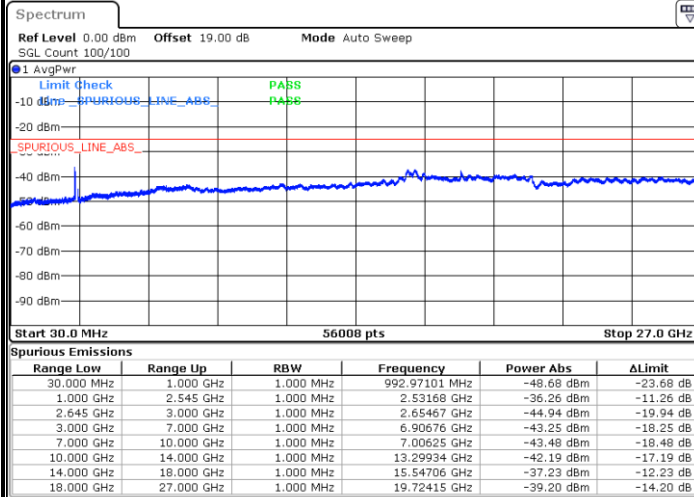


Date: 23.MAR.2026 18:57:30



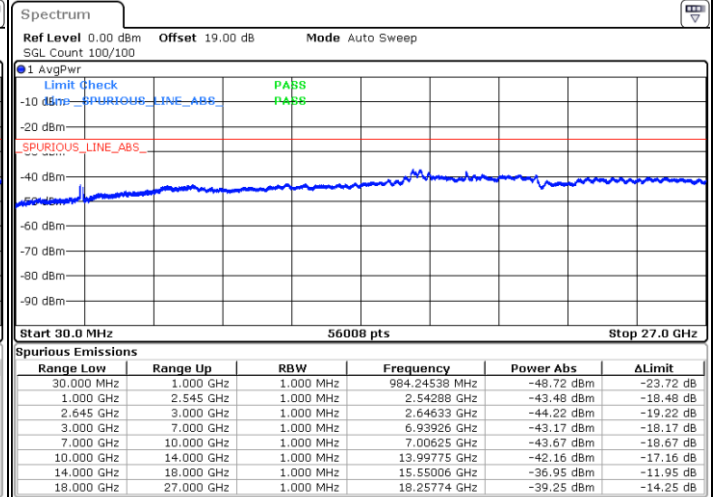
LTE Band 38 / 15MHz

Lowest Channel / QPSK



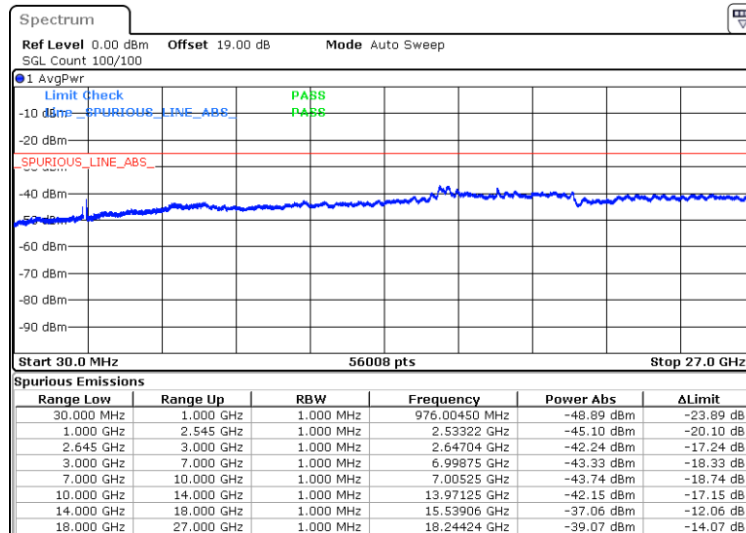
Date: 23.MAR.2026 19:02:51

Middle Channel / QPSK



Date: 23.MAR.2026 19:03:56

Highest Channel / QPSK

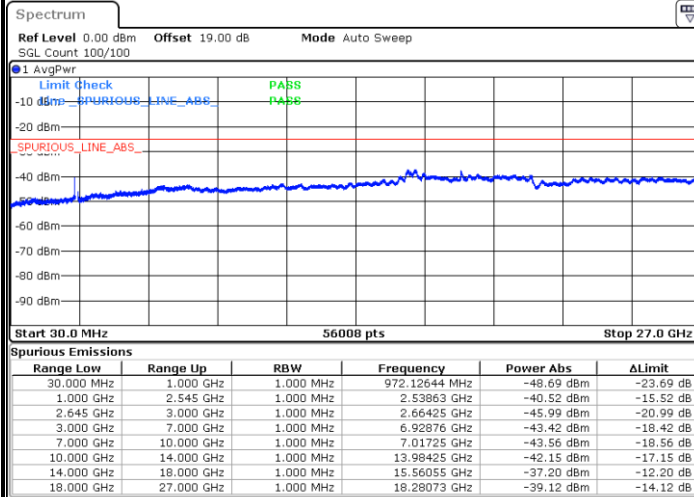


Date: 23.MAR.2026 19:10:36



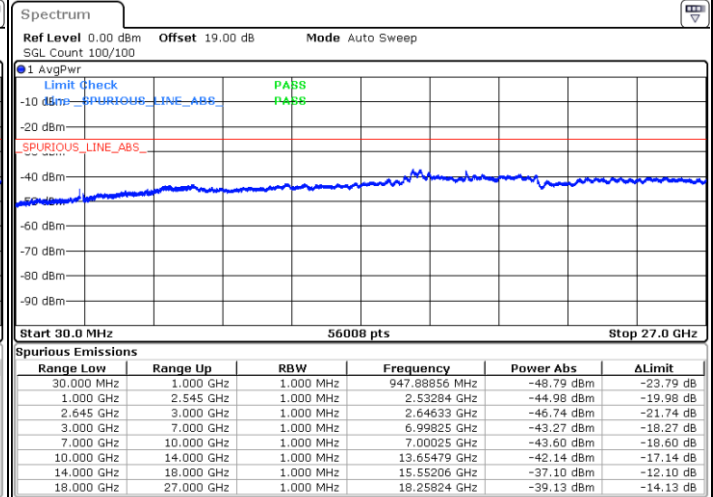
LTE Band 38 / 20MHz

Lowest Channel / QPSK



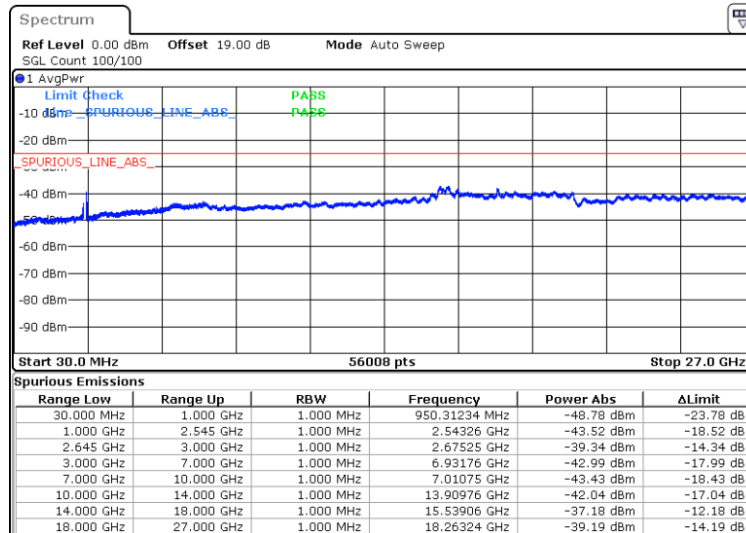
Date: 23.MAR.2026 19:15:57

Middle Channel / QPSK



Date: 23.MAR.2026 19:17:02

Highest Channel / QPSK



Date: 23.MAR.2026 19:24:19

Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0009	

Note:

1. Normal Voltage = 7.8V. ; Minimum Voltage= 6 V. ; Maximum Voltage =8.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Wenbo Xiao	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742	-55.23	-13	-42.23	-73.32	-61.98	5.85	12.60	H
	5613	-58.80	-13	-45.80	-80.81	-64.60	7.30	13.10	H
	7484	-55.22	-13	-42.22	-81.17	-58.37	8.35	11.50	H
	3742	-57.49	-13	-44.49	-75.5	-64.24	5.85	12.60	V
	5613	-58.83	-13	-45.83	-81.03	-64.63	7.30	13.10	V
	7484	-54.95	-13	-41.95	-80.89	-58.10	8.35	11.50	V

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

LTE Band 4 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447	-57.75	-13	-44.75	-74.26	-64.60	5.65	12.50	H
	5170.5	-59.64	-13	-46.64	-81.24	-65.31	7.13	12.80	H
	6894	-56.30	-13	-43.30	-81.58	-59.70	8.40	11.80	H
	3447	-57.32	-13	-44.32	-73.87	-64.17	5.65	12.50	V
	5170.5	-59.38	-13	-46.38	-81.25	-65.05	7.13	12.80	V
	6894	-54.11	-13	-41.11	-79.87	-57.51	8.40	11.80	V

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

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-49.79	-13	-36.79	-59.35	-53.04	4.00	9.40	H
	2496	-43.15	-13	-30.15	-57.00	-46.72	4.88	10.60	H
	3328	-48.49	-13	-35.49	-64.24	-53.42	5.52	12.60	H
	1664	-47.38	-13	-34.38	-56.54	-50.63	4.00	9.40	V
	2496	-48.26	-13	-35.26	-62.07	-51.83	4.88	10.60	V
	3328	-52.59	-13	-39.59	-68.10	-57.52	5.52	12.60	V

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

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052.00	-59.22	-25	-34.22	-81.02	-64.78	7.14	12.70	H
	7578.00	-55.20	-25	-30.20	-80.92	-58.50	8.30	11.60	H
	10104.00	-51.52	-25	-26.52	-81.69	-53.04	10.48	12.00	H
	5052.00	-58.95	-25	-33.95	-80.87	-64.51	7.14	12.70	V
	7578.00	-55.65	-25	-30.65	-81.33	-58.95	8.30	11.60	V
	10104.00	-52.97	-25	-27.97	-81.74	-54.49	10.48	12.00	V

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

LTE Band 38 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5172.00	-48.98	-25	-23.98	-70.58	-54.54	7.14	12.70	H
	7758.00	-45.12	-25	-20.12	-71.15	-48.42	8.30	11.60	H
	10344.00	-46.30	-25	-21.30	-76.33	-47.82	10.48	12.00	H
	5172.00	-53.54	-25	-28.54	-75.41	-59.10	7.14	12.70	V
	7758.00	-49.38	-25	-24.38	-75.25	-52.68	8.30	11.60	V
	10344.00	-49.87	-25	-24.87	-79.03	-51.39	10.48	12.00	V

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