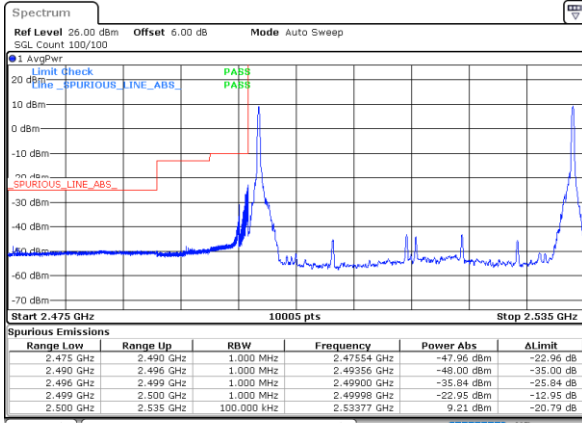




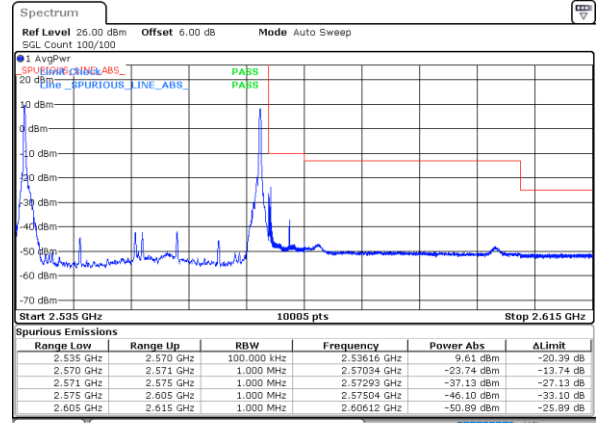
LTE Band 7 / 20MHz+15MHz

256QAM

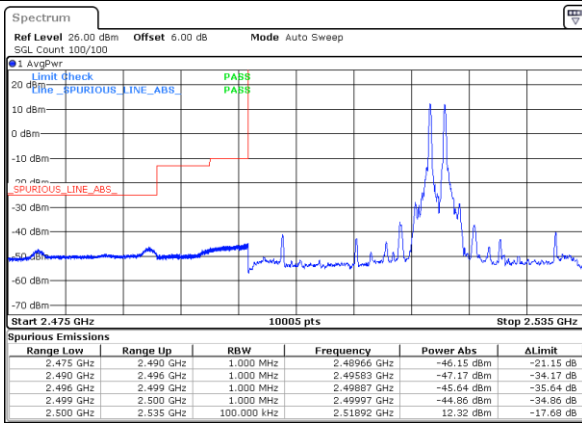
Lowest Band Edge / 1RB0 and 1RB74



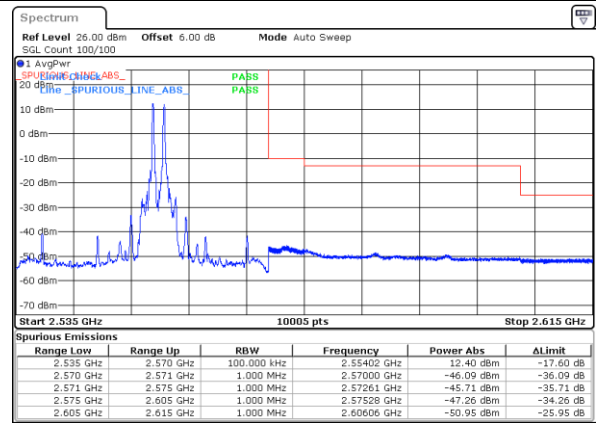
Highest Band Edge / 1RB0 and 1RB74



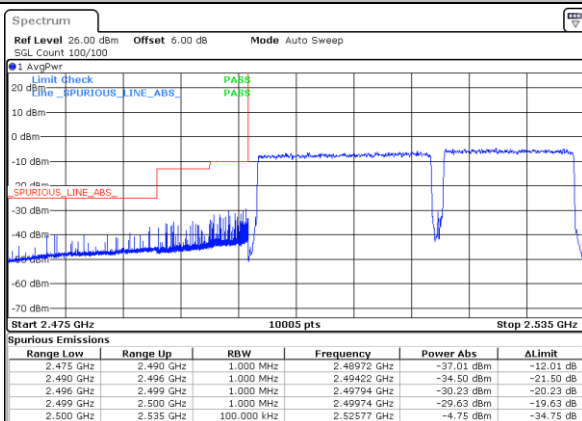
Lowest Band Edge / 1RB99 and 1RB0



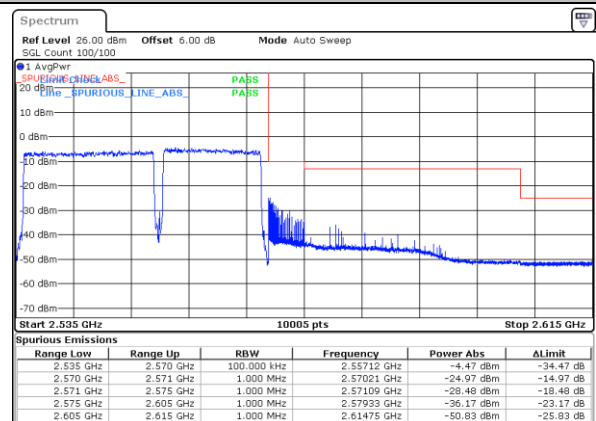
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

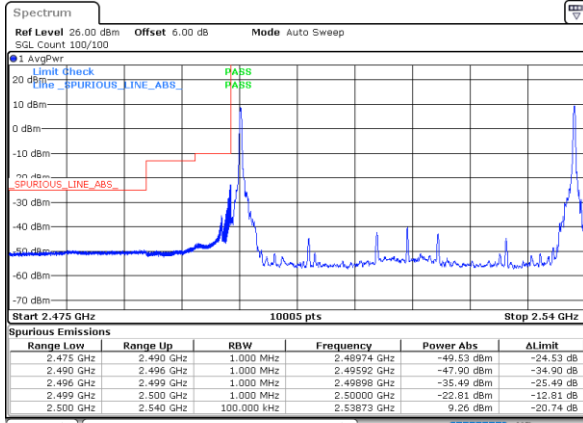




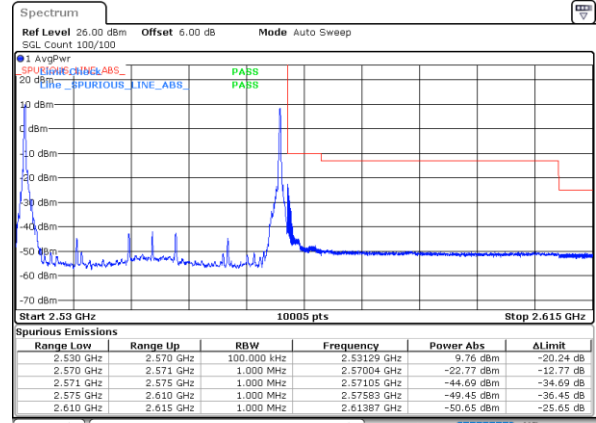
LTE Band 7 / 20MHz+20MHz

256QAM

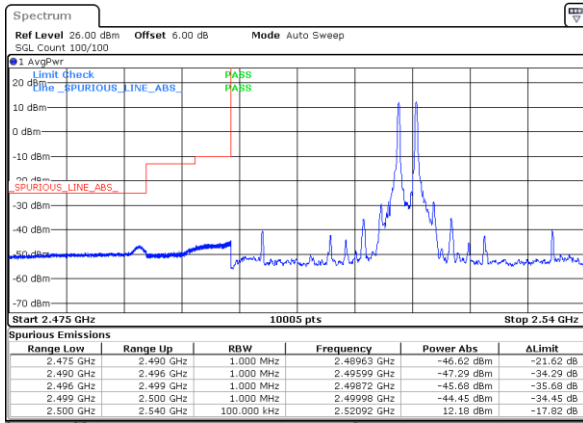
Lowest Band Edge / 1RB0 and 1RB99



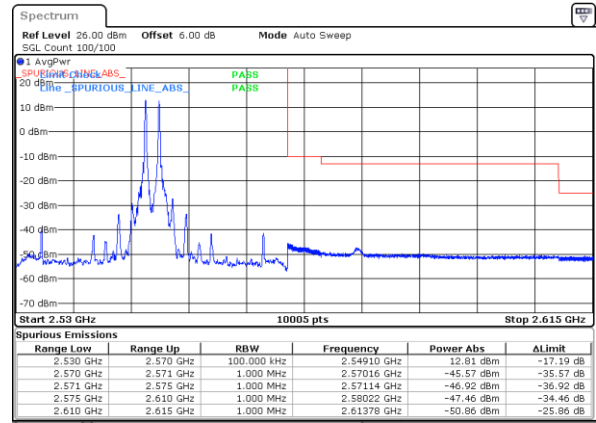
Highest Band Edge / 1RB0 and 1RB99



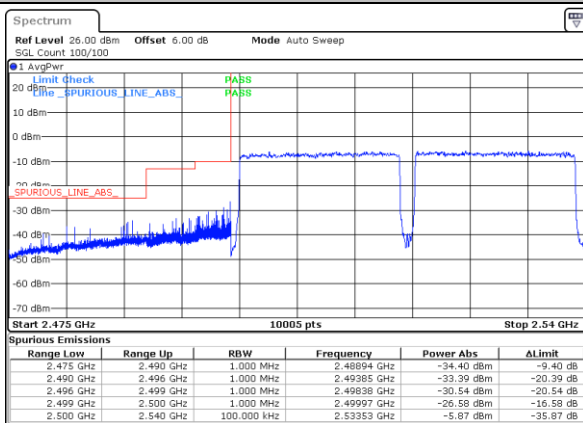
Lowest Band Edge / 1RB99 and 1RB0



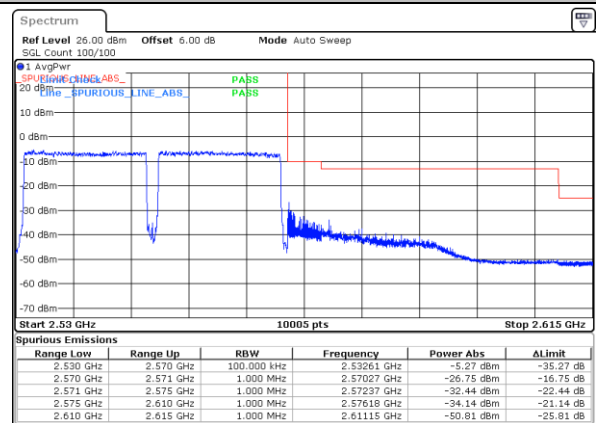
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

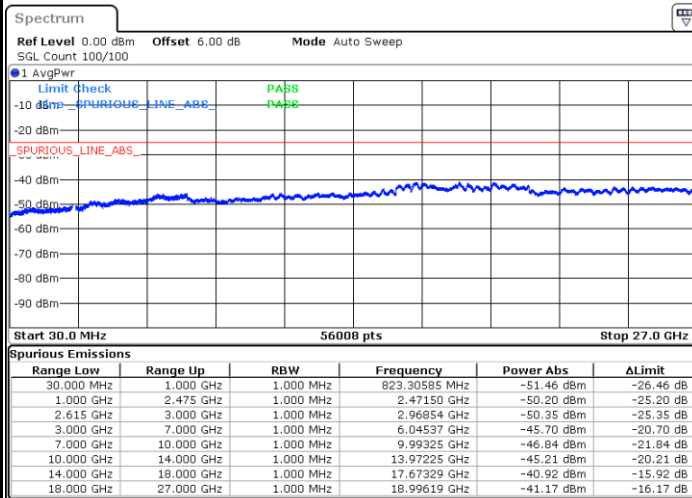




Conducted Spurious Emission

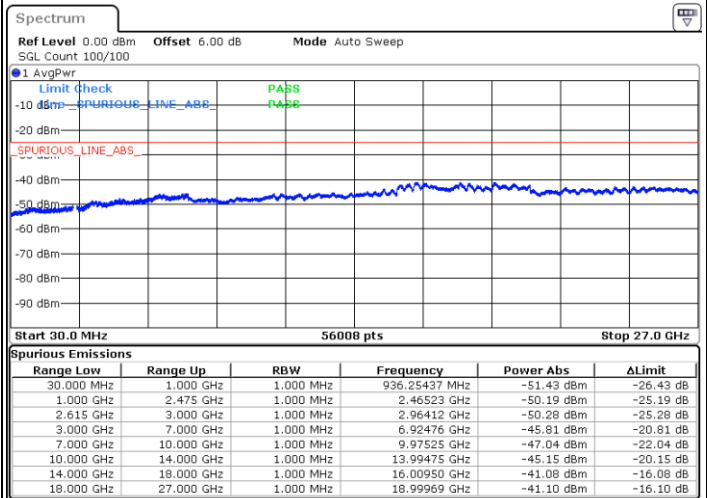
LTE Band 7 / 10MHz+20MHz

Lowest Channel / QPSK



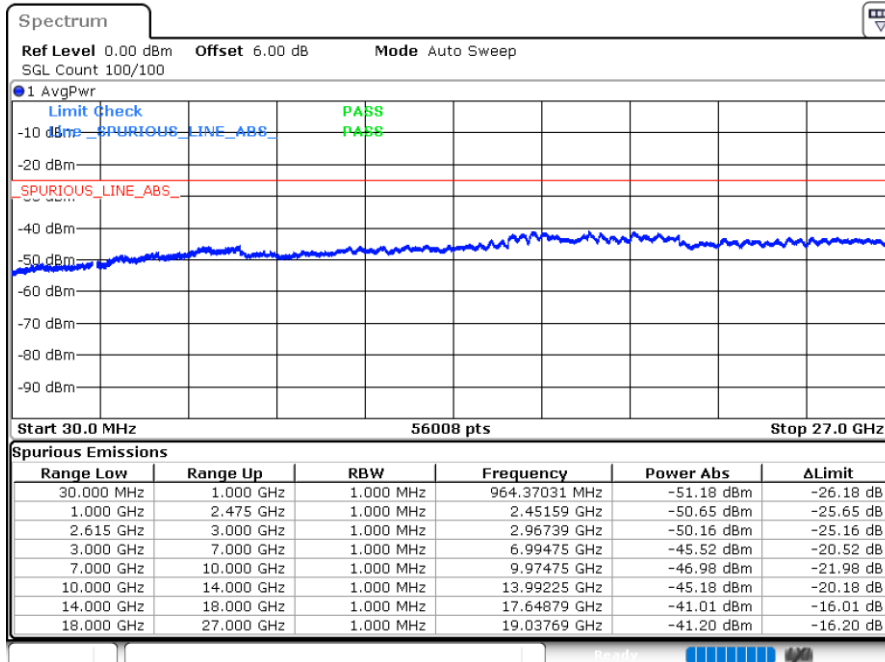
Date: 22.JUL.2024 05:07:03

Middle Channel / QPSK



Date: 22.JUL.2024 05:24:10

Highest Channel / QPSK



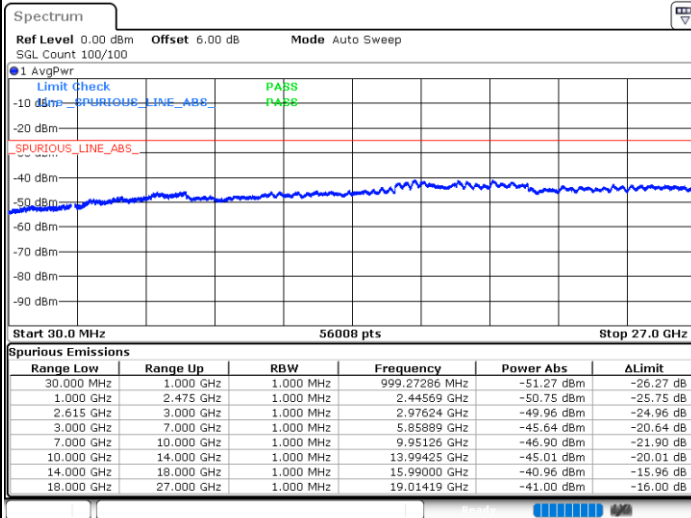
Date: 22.JUL.2024 05:52:31



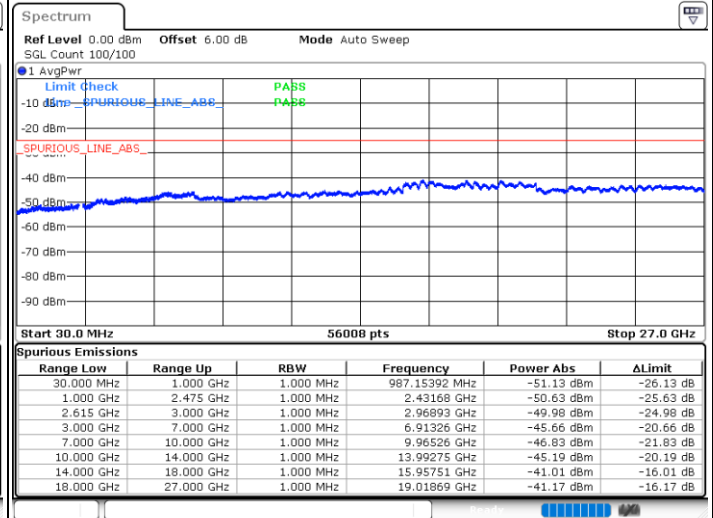
LTE Band 7 / 15MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

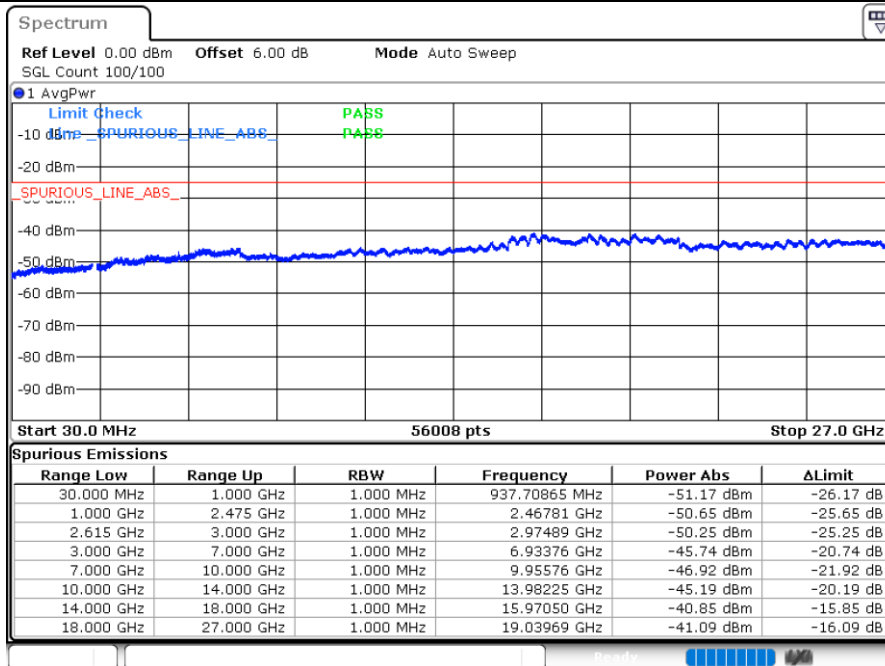


Date: 22.JUL.2024 06:06:06



Date: 22.JUL.2024 06:31:07

Highest Channel / QPSK



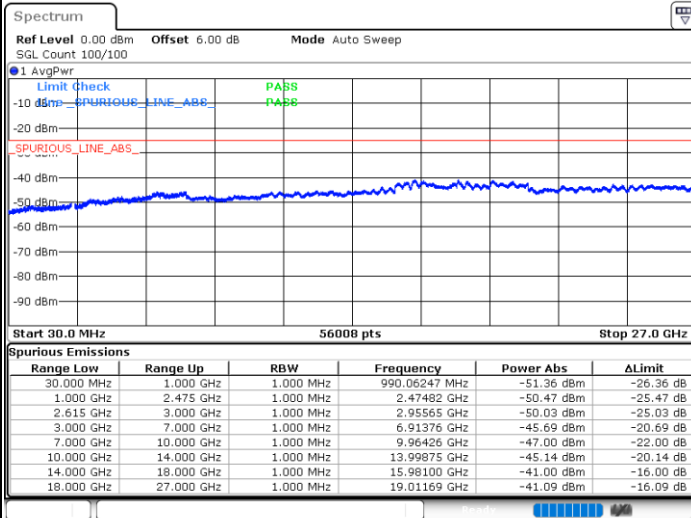
Date: 22.JUL.2024 06:55:56



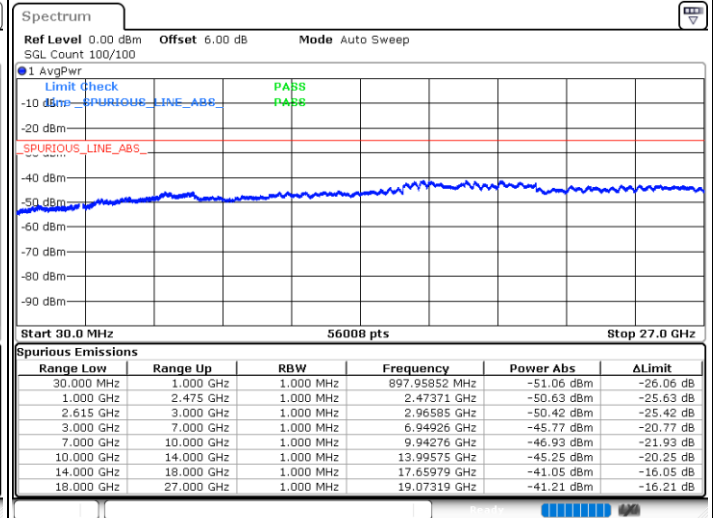
LTE Band 7 / 15MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

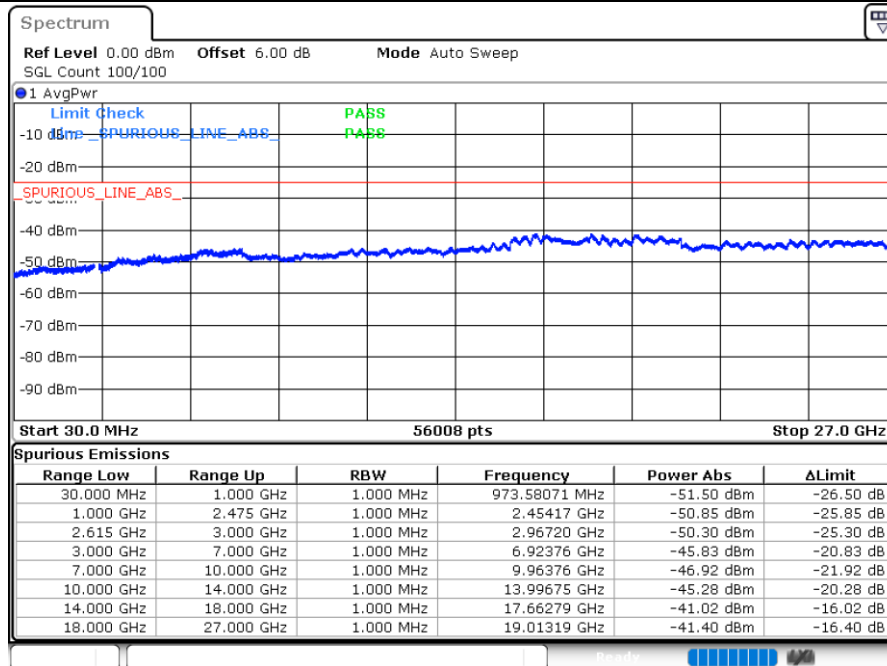


Date: 22.JUL.2024 07:09:25



Date: 23.JUL.2024 04:09:41

Highest Channel / QPSK



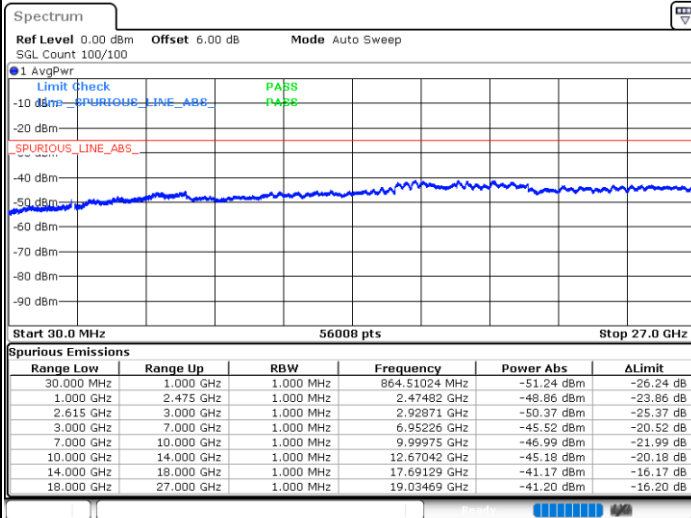
Date: 23.JUL.2024 04:13:39



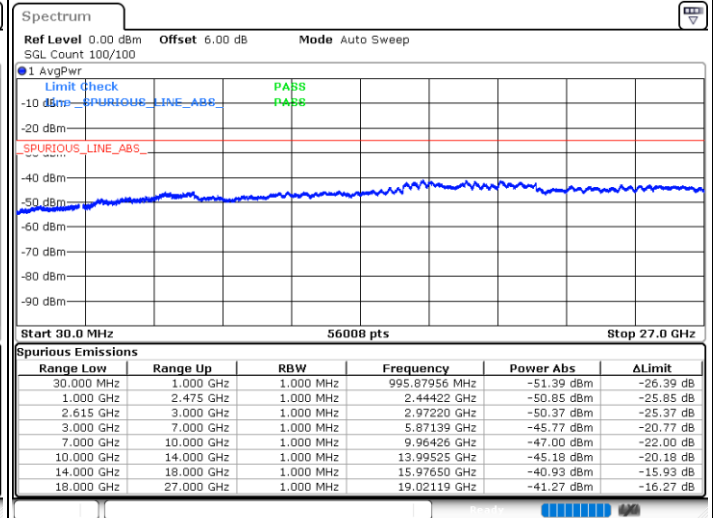
LTE Band 7 / 15MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

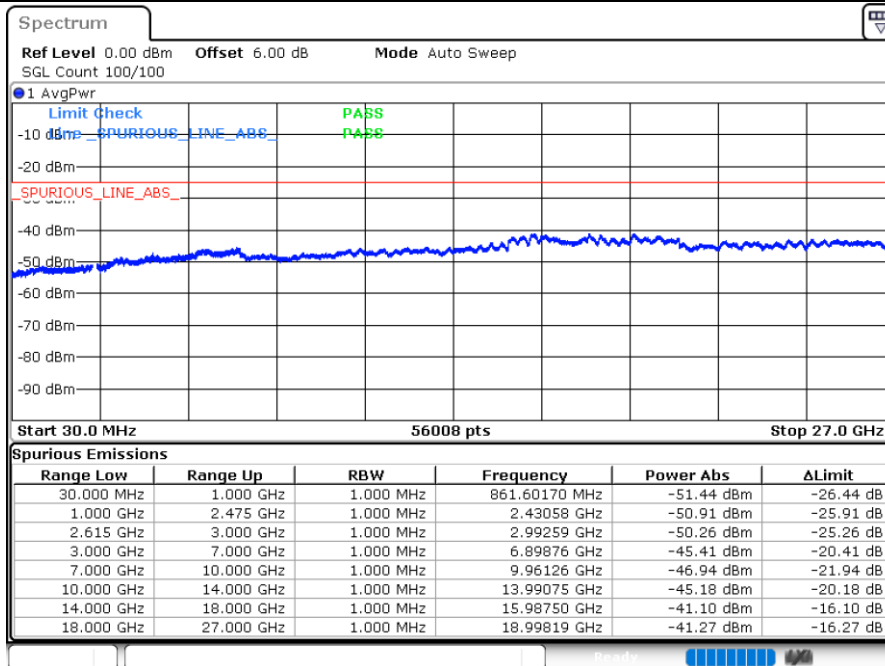


Date: 23.JUL.2024 04:27:13



Date: 23.JUL.2024 04:41:13

Highest Channel / QPSK



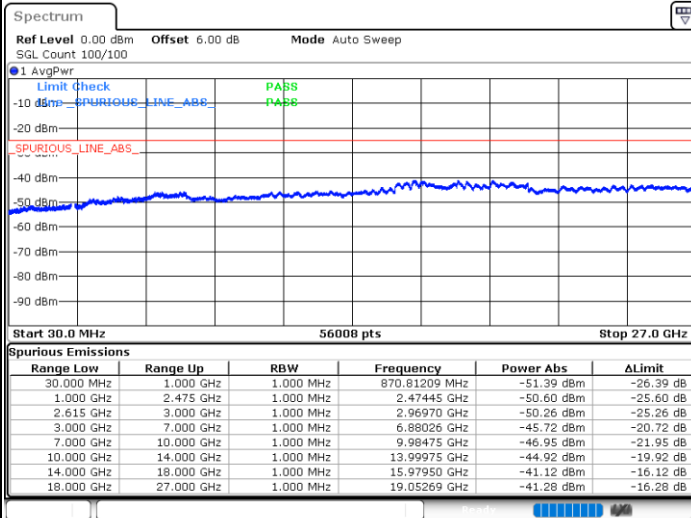
Date: 23.JUL.2024 04:45:11



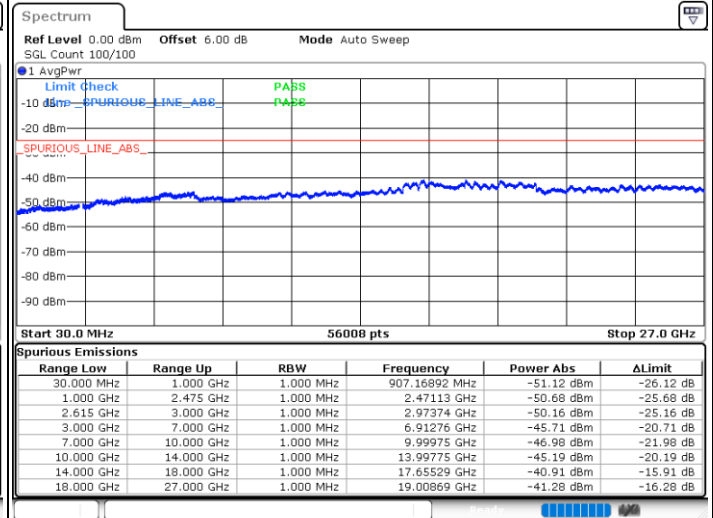
LTE Band 7 / 20MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

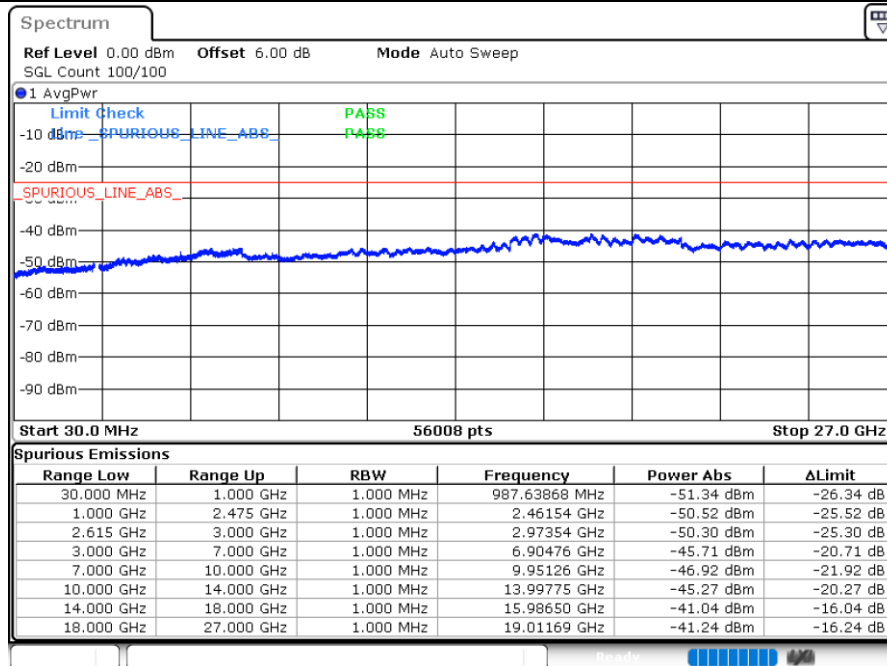


Date: 23.JUL.2024 04:58:45



Date: 23.JUL.2024 05:12:45

Highest Channel / QPSK



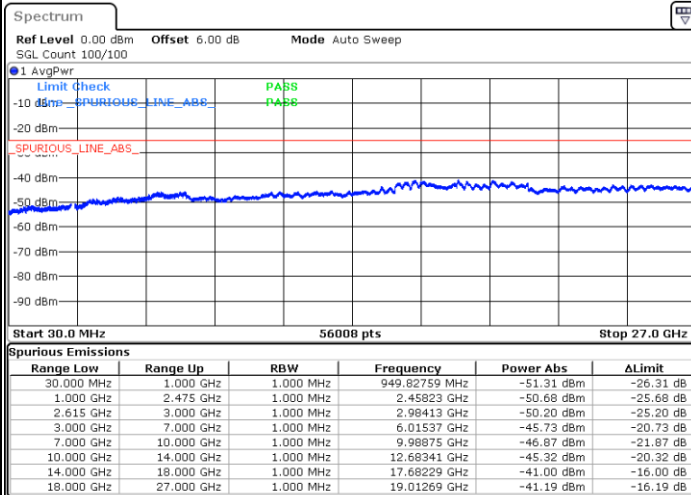
Date: 23.JUL.2024 05:16:44



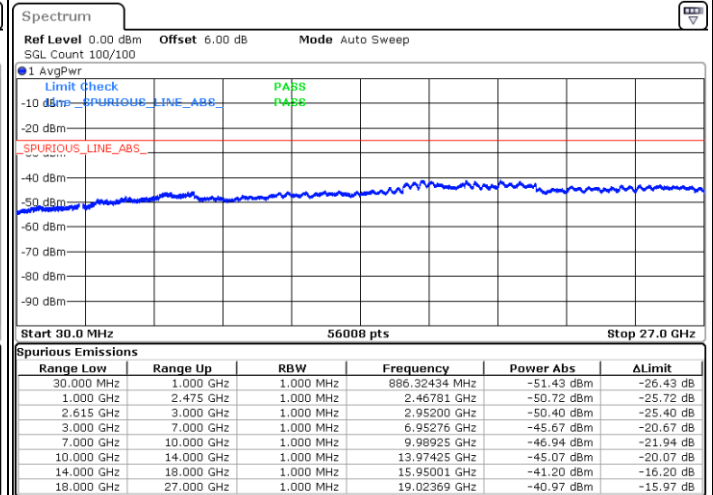
LTE Band 7 / 20MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

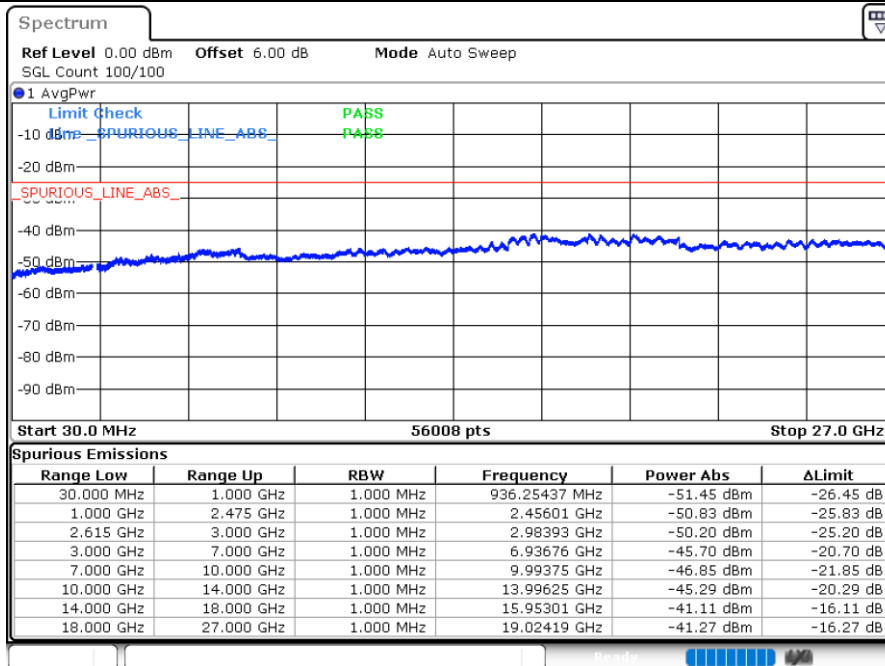


Date: 23.JUL.2024 05:30:16



Date: 23.JUL.2024 05:44:15

Highest Channel / QPSK



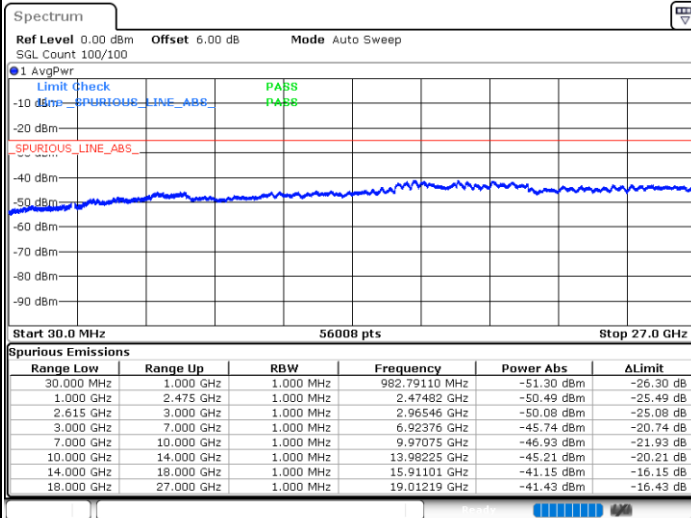
Date: 23.JUL.2024 05:48:14



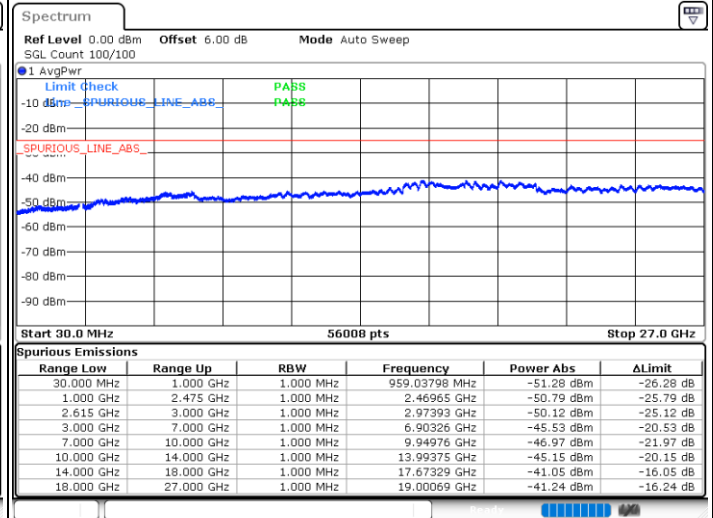
LTE Band 7 /20MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

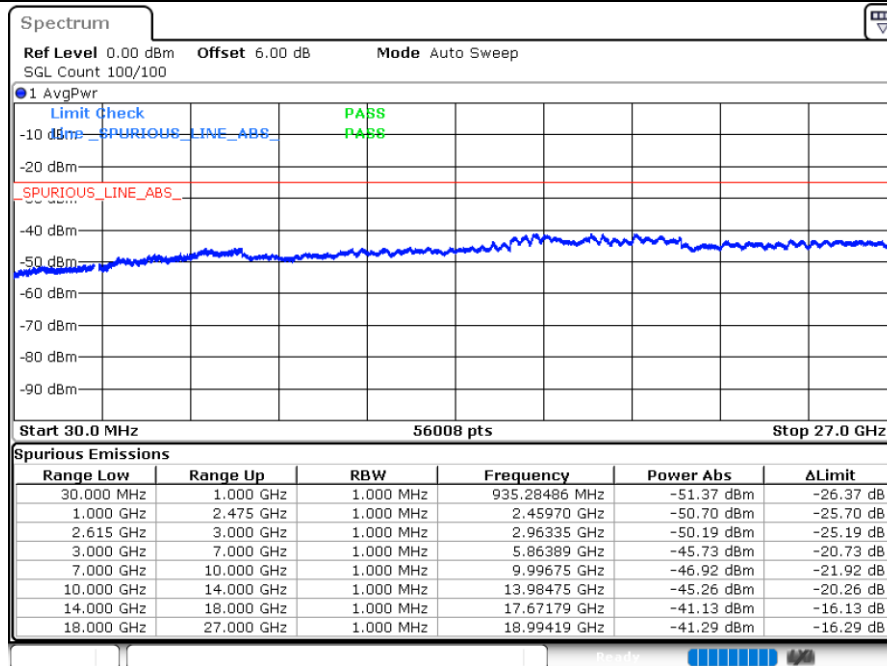


Date: 23.JUL.2024 06:01:43



Date: 23.JUL.2024 06:15:20

Highest Channel / QPSK



Date: 23.JUL.2024 06:19:09

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0038	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0057	
20	Normal Voltage	0.0066	
20	Battery End Point	0.0034	

Note:

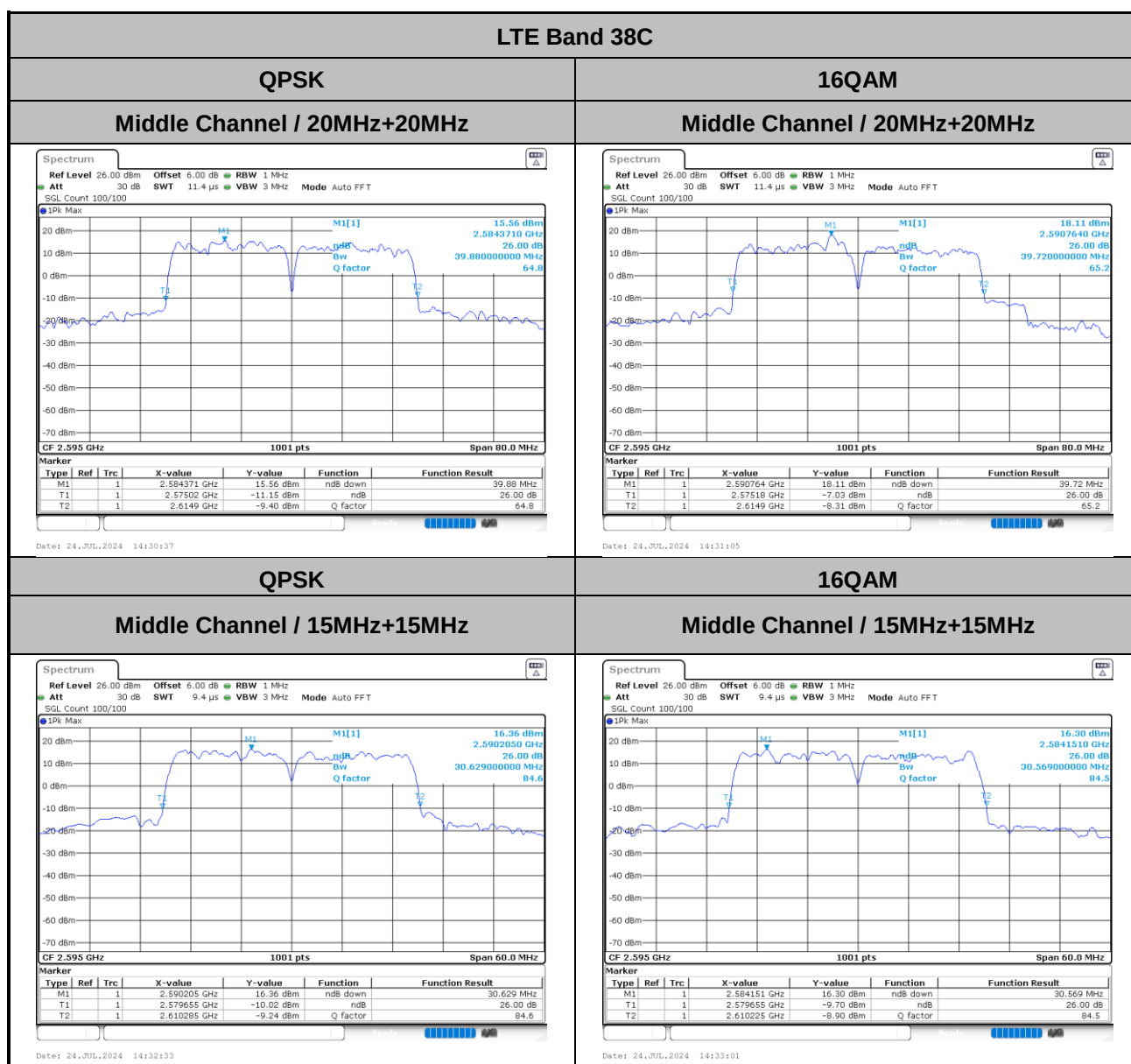
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band CA_38C

26dB Bandwidth

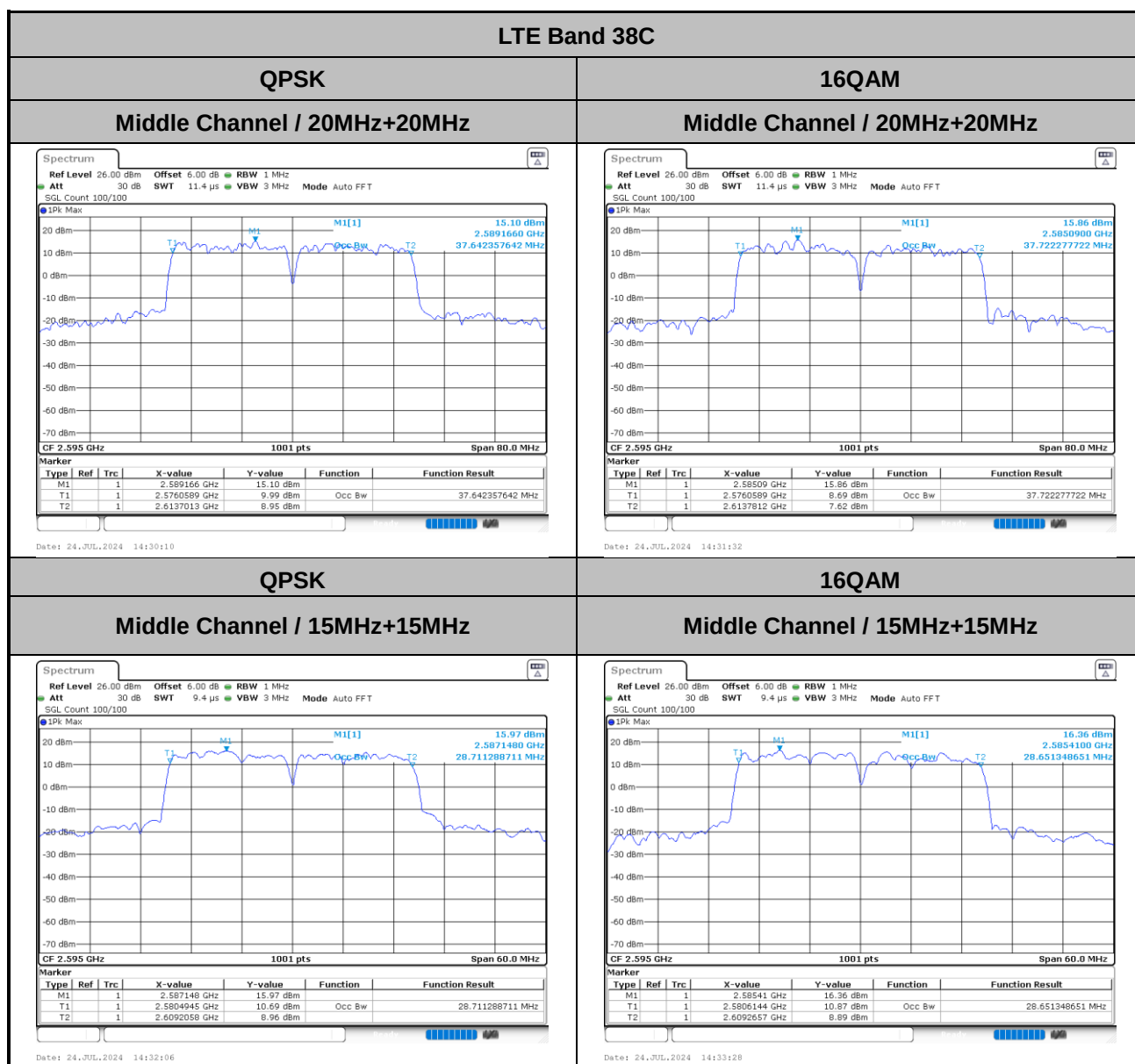
Mode	LTE Band 38C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	39.88	39.72
Mod.	QPSK	16QAM
BW	15MHz+15MHz	15MHz+15MHz
Middle CH	30.63	30.57





Occupied Bandwidth

Mode	LTE Band 38C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.64	37.72
Mod.	QPSK	16QAM
BW	15MHz+15MHz	15MHz+15MHz
Middle CH	28.71	28.65



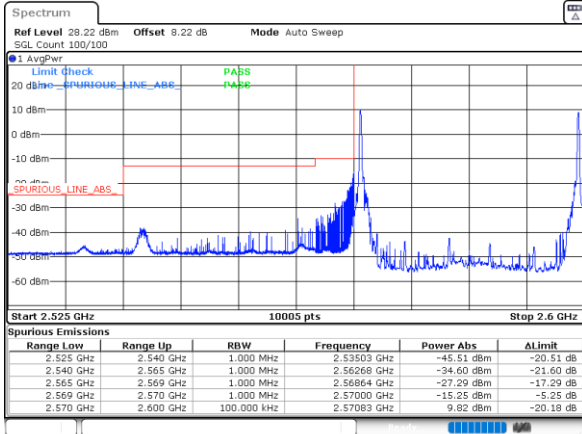


Conducted Band Edge

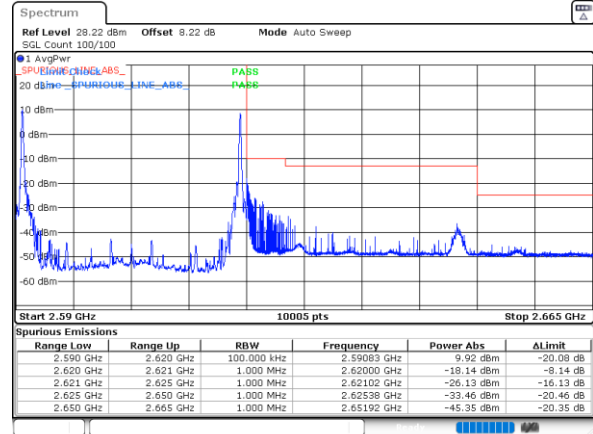
LTE Band 38C / 15MHz+15MHz

QPSK

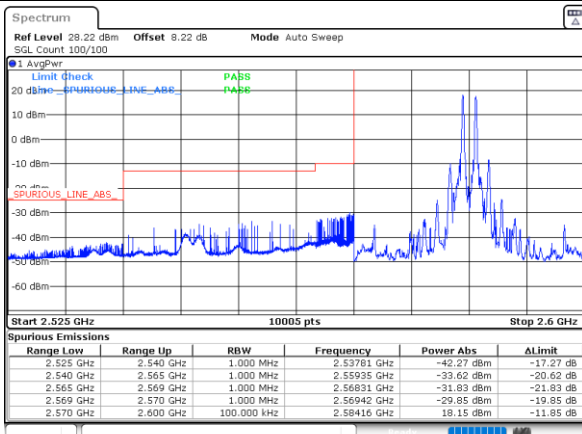
Lowest Band Edge / 1RB0 and 1RB74



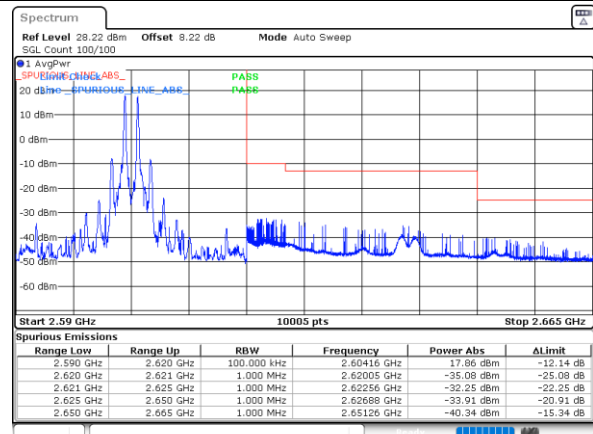
Highest Band Edge / 1RB0 and 1RB74



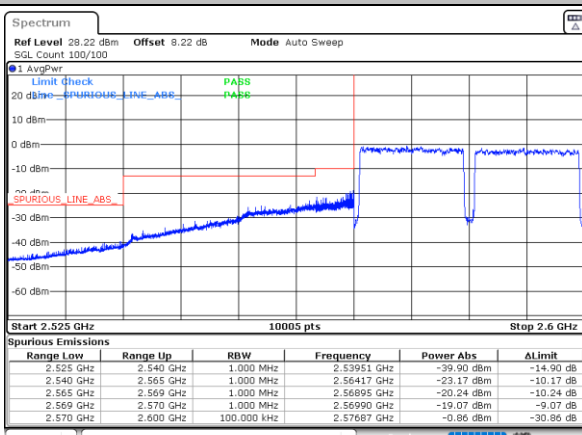
Lowest Band Edge / 1RB74 and 1RB0



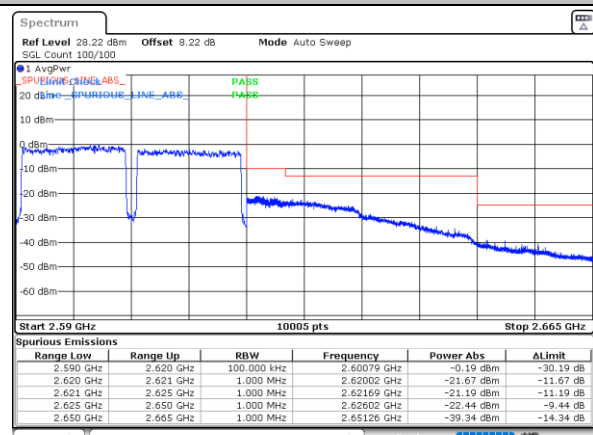
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

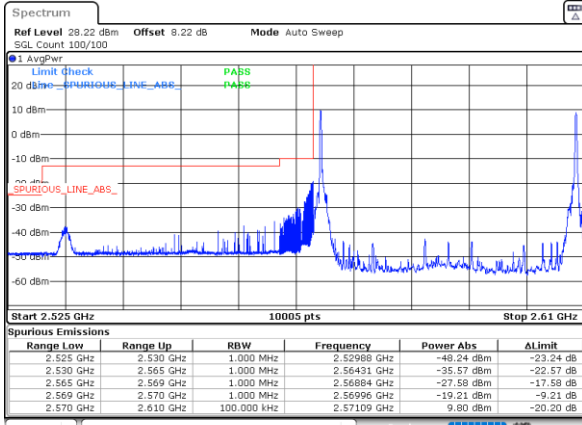




LTE Band 38C / 20MHz+20MHz

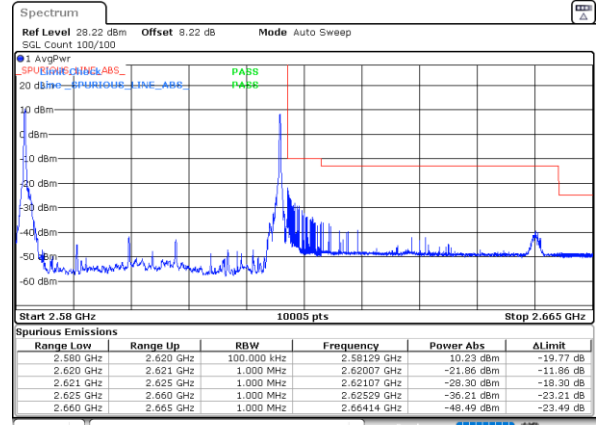
QPSK

Lowest Band Edge / 1RB0 and 1RB99



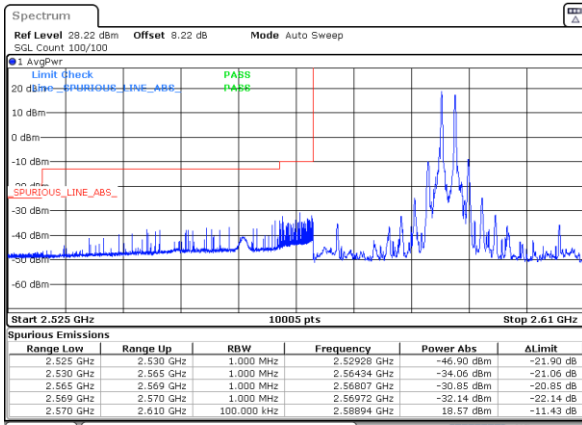
Date: 24.JUL.2024 13:57:43

Highest Band Edge / 1RB0 and 1RB99



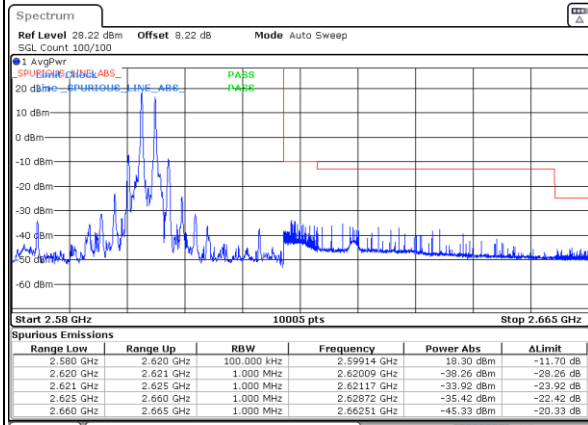
Date: 24.JUL.2024 14:12:54

Lowest Band Edge / 1RB99 and 1RB0



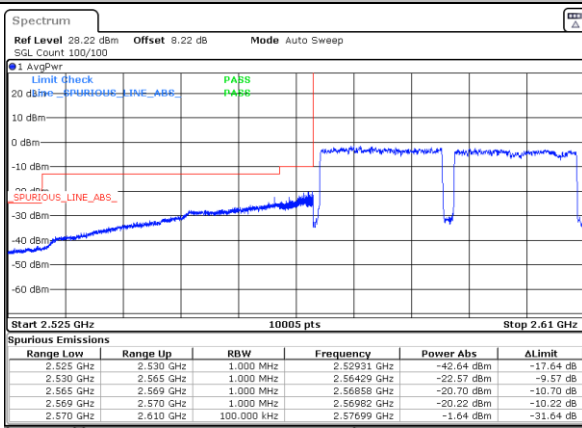
Date: 24.JUL.2024 14:01:12

Highest Band Edge / 1RB99 and 1RB0



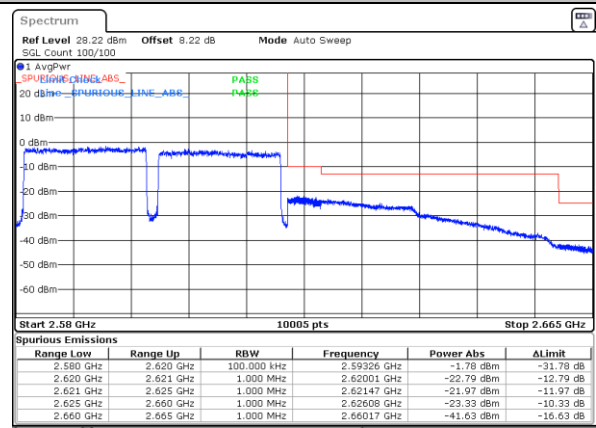
Date: 24.JUL.2024 14:09:26

Lowest Band Edge / Full RB



Date: 24.JUL.2024 13:54:14

Highest Band Edge / Full RB



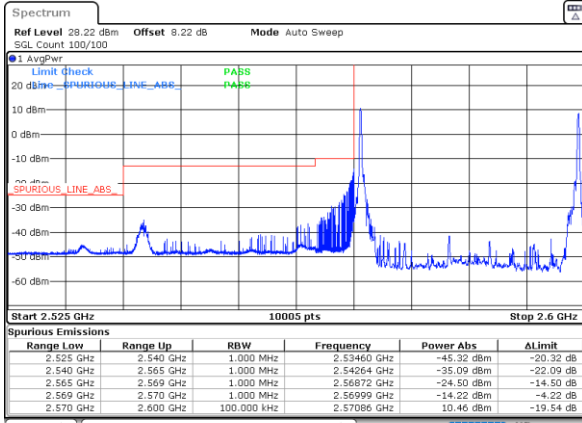
Date: 24.JUL.2024 14:19:14



LTE Band 38C / 15MHz+15MHz

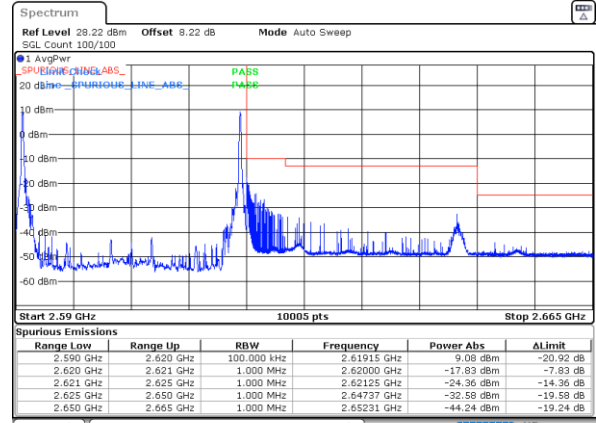
16QAM

Lowest Band Edge / 1RB0 and 1RB74



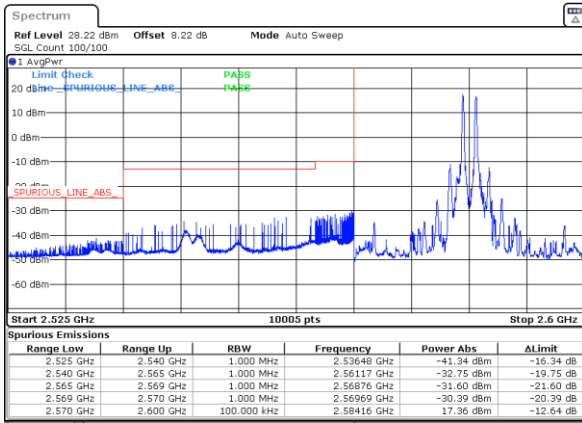
Date: 24.JUL.2024 13:28:38

Highest Band Edge / 1RB0 and 1RB74



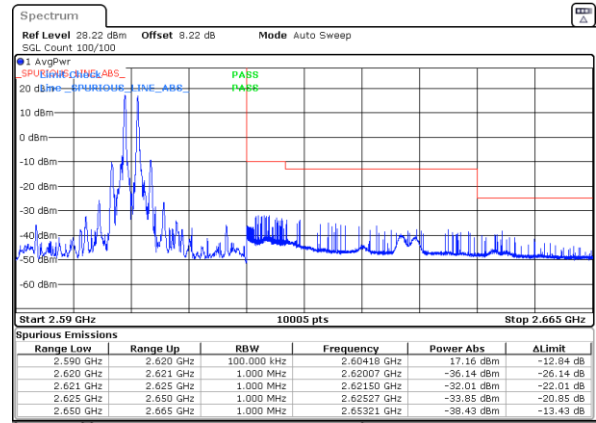
Date: 24.JUL.2024 13:43:48

Lowest Band Edge / 1RB74 and 1RB0



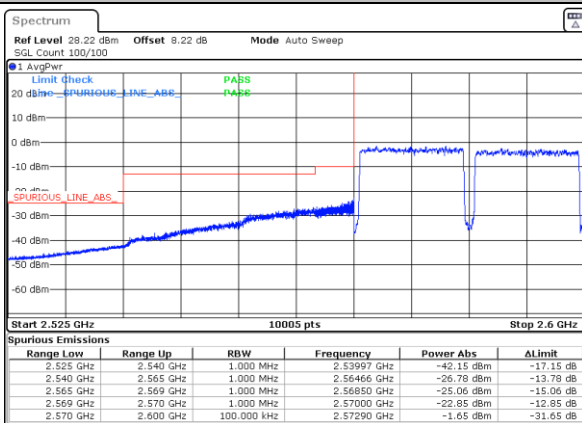
Date: 24.JUL.2024 13:32:07

Highest Band Edge / 1RB74 and 1RB0



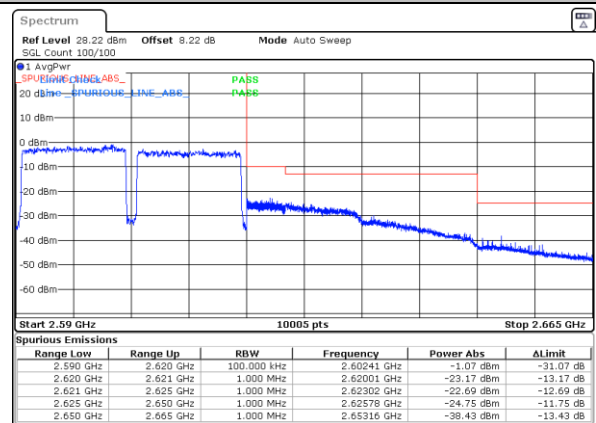
Date: 24.JUL.2024 13:40:21

Lowest Band Edge / Full RB



Date: 24.JUL.2024 13:25:09

Highest Band Edge / Full RB



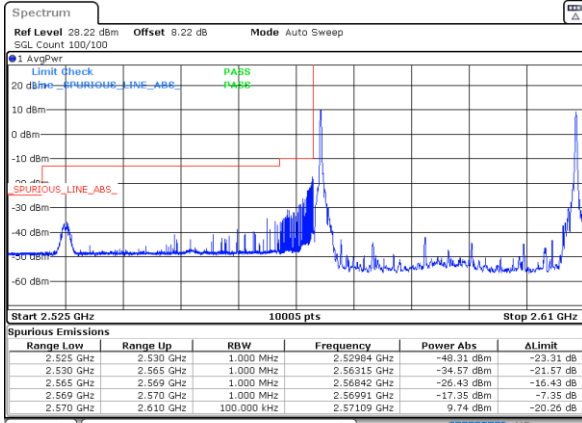
Date: 24.JUL.2024 13:47:16



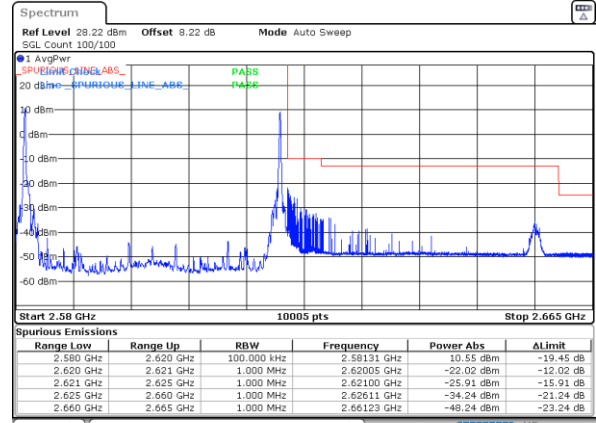
LTE Band 38C / 20MHz+20MHz

16QAM

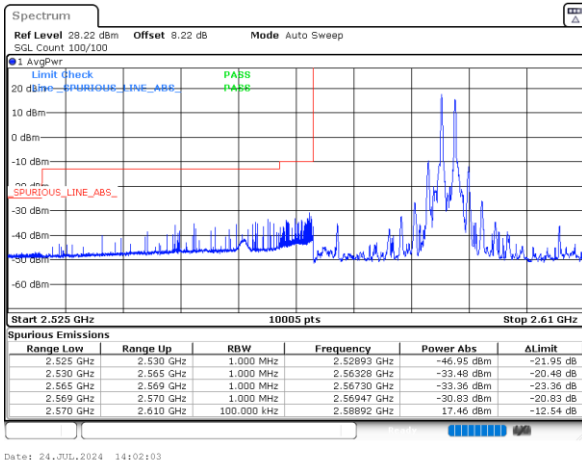
Lowest Band Edge / 1RB0 and 1RB99



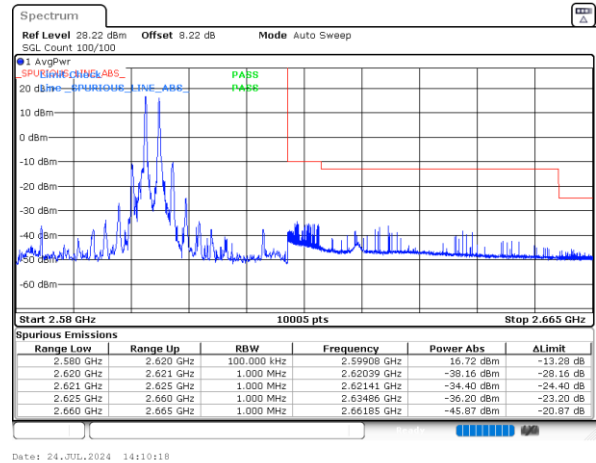
Highest Band Edge / 1RB0 and 1RB99



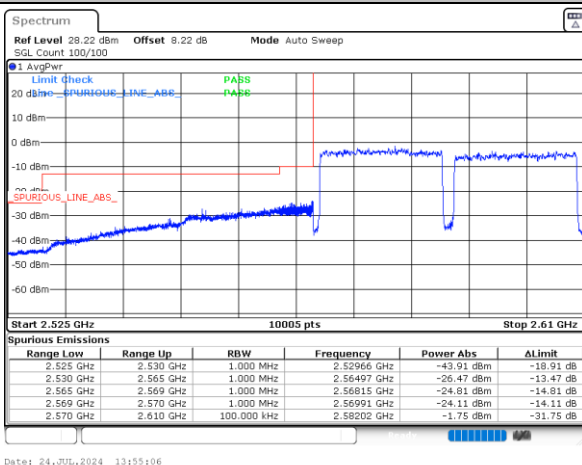
Lowest Band Edge / 1RB99 and 1RB0



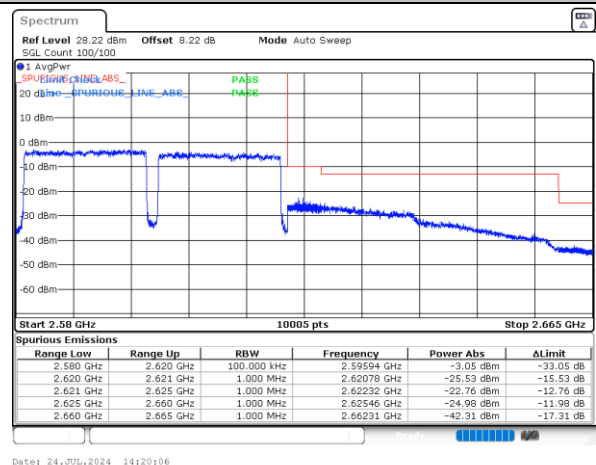
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

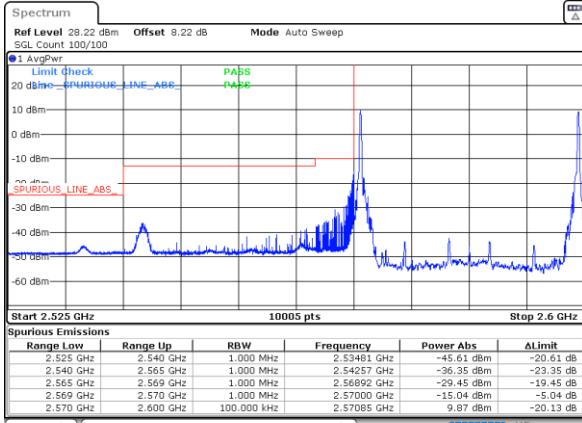




LTE Band 38C / 15MHz+15MHz

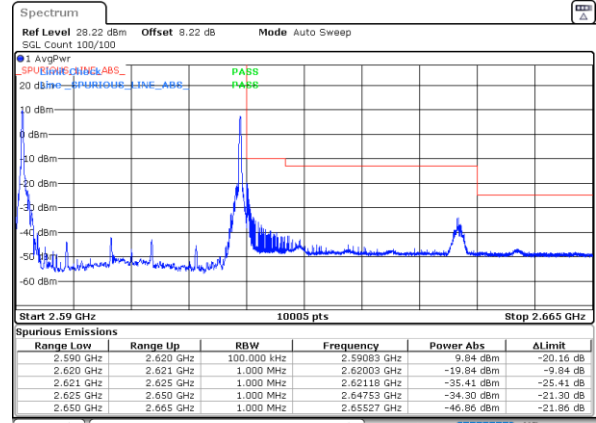
64QAM

Lowest Band Edge / 1RB0 and 1RB74



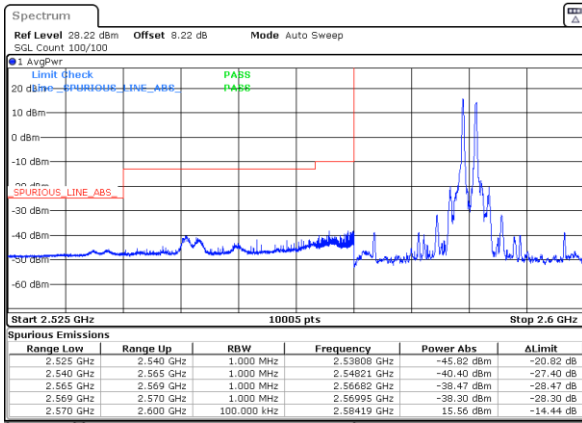
Date: 24.JUL.2024 13:29:31

Highest Band Edge / 1RB0 and 1RB74



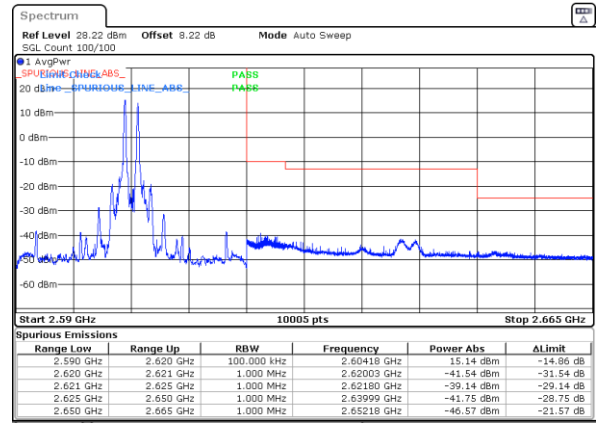
Date: 24.JUL.2024 13:44:40

Lowest Band Edge / 1RB74 and 1RB0



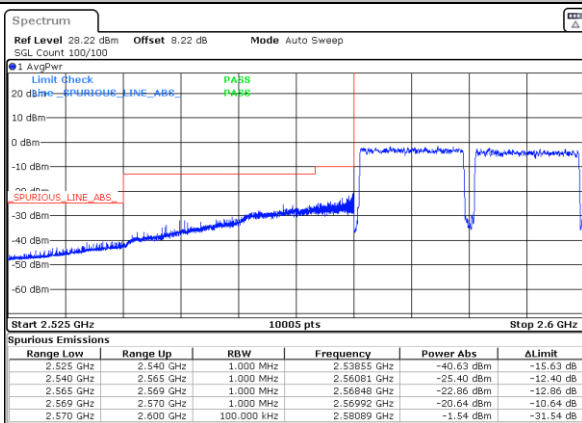
Date: 24.JUL.2024 13:32:59

Highest Band Edge / 1RB74 and 1RB0



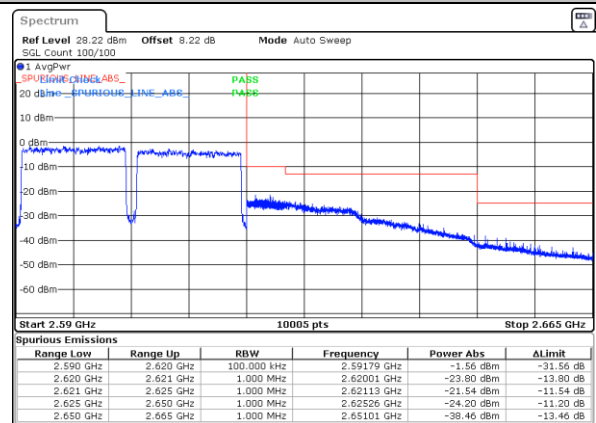
Date: 24.JUL.2024 13:41:13

Lowest Band Edge / Full RB



Date: 24.JUL.2024 13:26:01

Highest Band Edge / Full RB



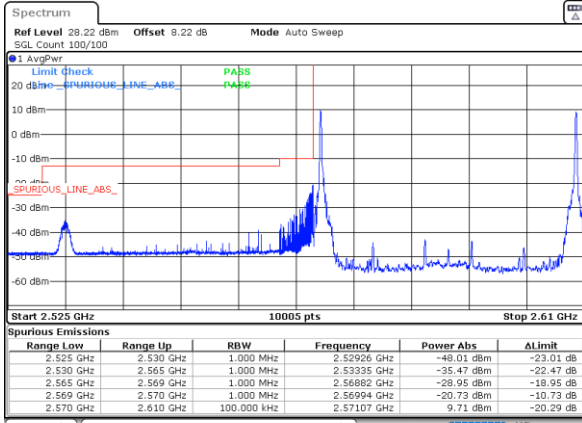
Date: 24.JUL.2024 13:48:08



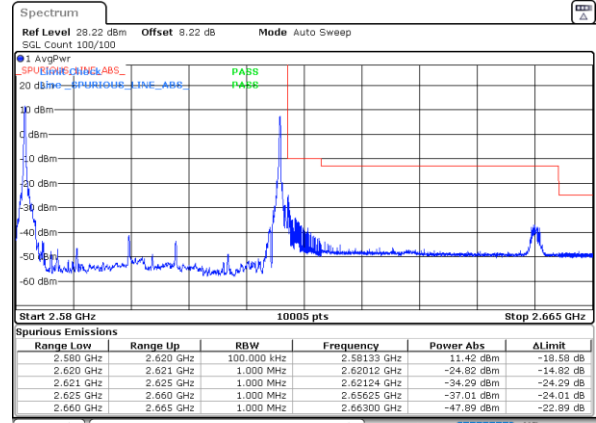
LTE Band 38C / 20MHz+20MHz

64QAM

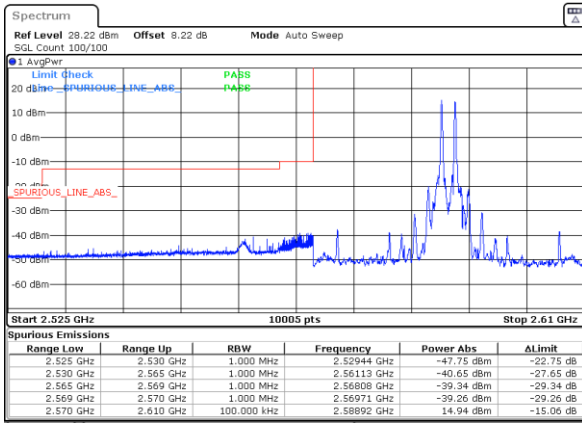
Lowest Band Edge / 1RB0 and 1RB99



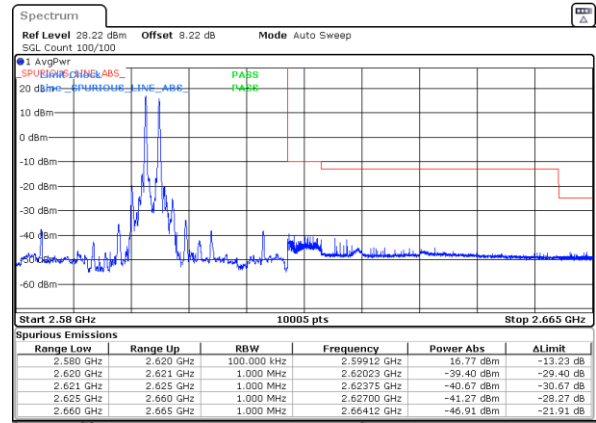
Highest Band Edge / 1RB0 and 1RB99



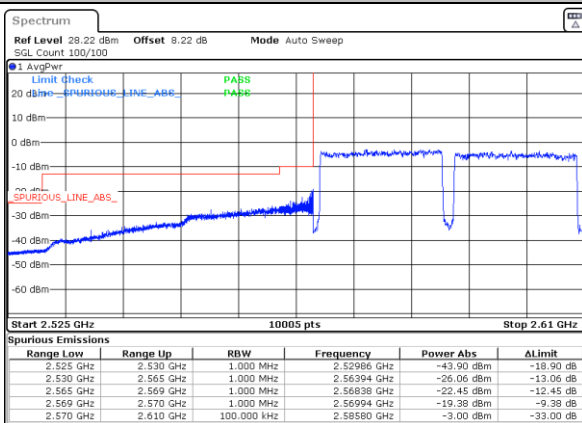
Lowest Band Edge / 1RB99 and 1RB0



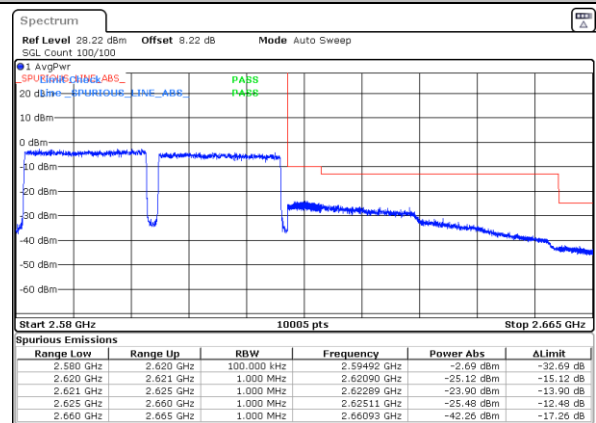
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

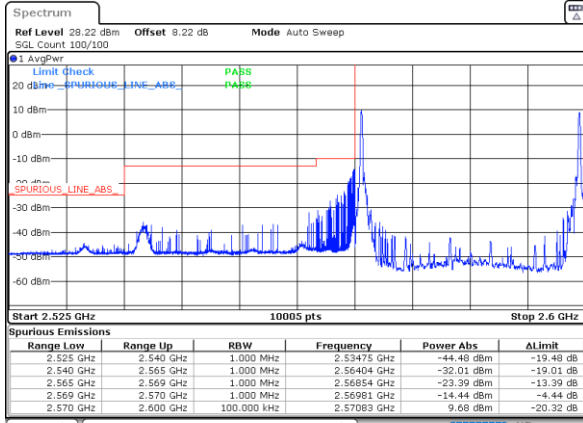




LTE Band 38C / 15MHz+15MHz

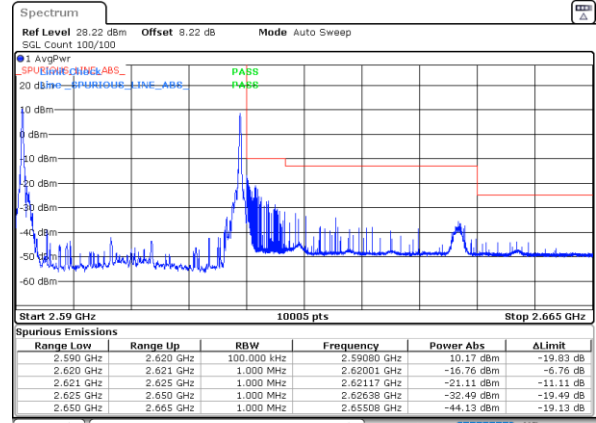
256QAM

Lowest Band Edge / 1RB0 and 1RB74



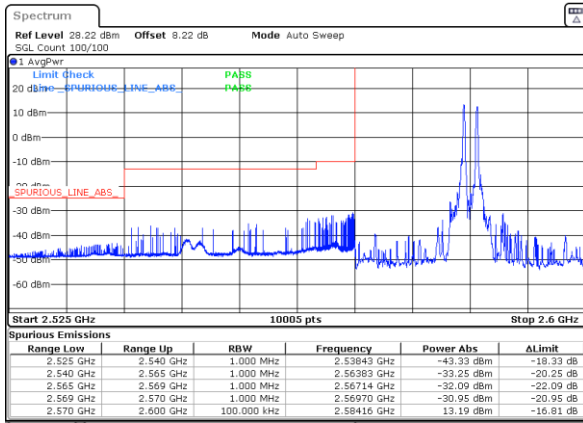
Date: 24.JUL.2024 13:30:23

Highest Band Edge / 1RB0 and 1RB74



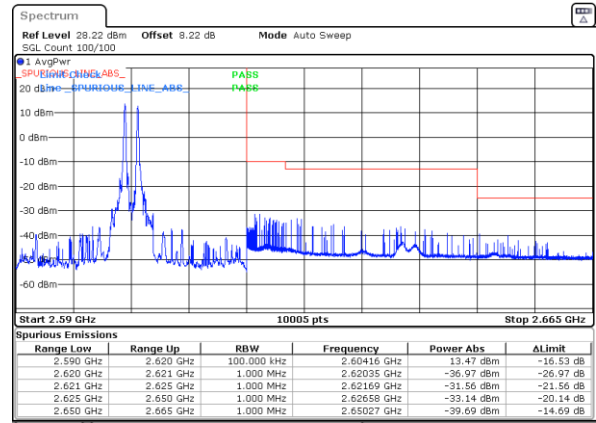
Date: 24.JUL.2024 13:45:32

Lowest Band Edge / 1RB74 and 1RB0



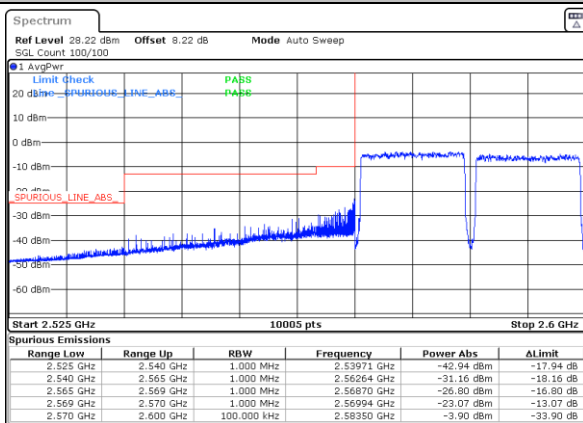
Date: 24.JUL.2024 13:33:51

Highest Band Edge / 1RB74 and 1RB0



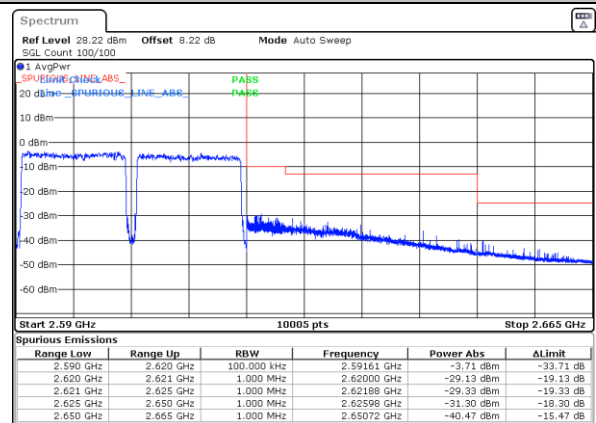
Date: 24.JUL.2024 13:42:04

Lowest Band Edge / Full RB



Date: 24.JUL.2024 13:26:54

Highest Band Edge / Full RB



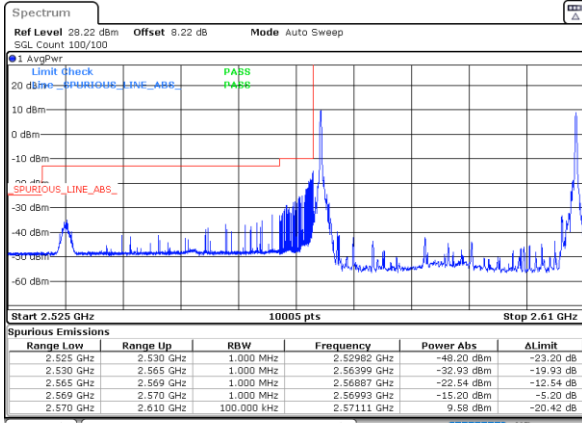
Date: 24.JUL.2024 13:48:59



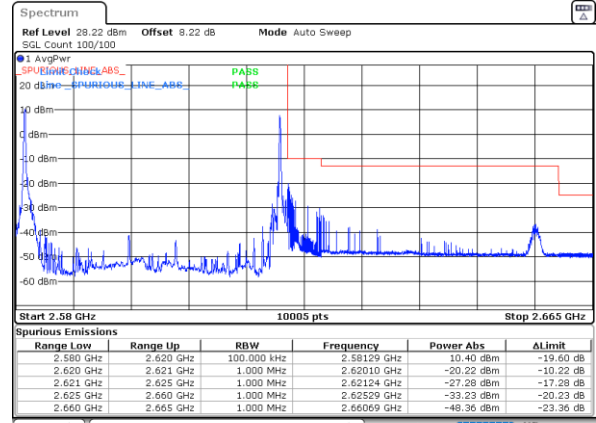
LTE Band 38C / 20MHz+20MHz

256QAM

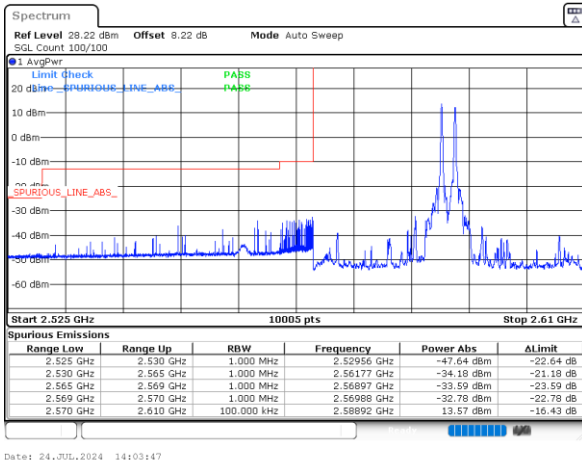
Lowest Band Edge / 1RB0 and 1RB99



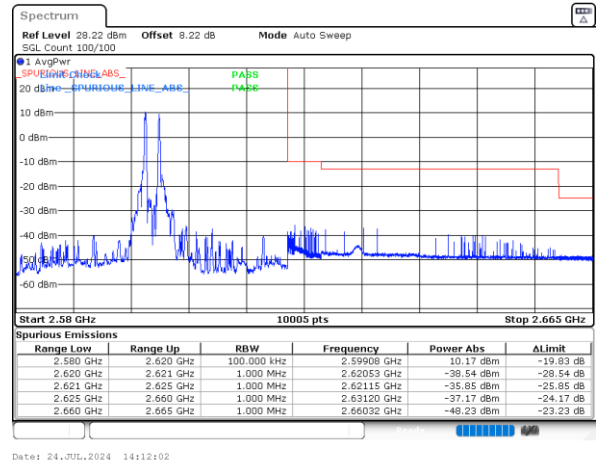
Highest Band Edge / 1RB0 and 1RB99



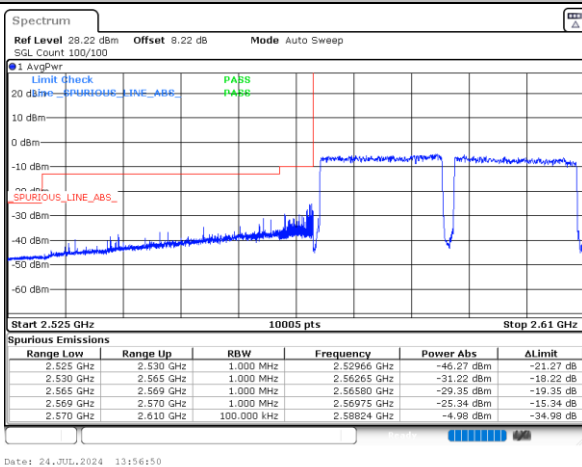
Lowest Band Edge / 1RB99 and 1RB0



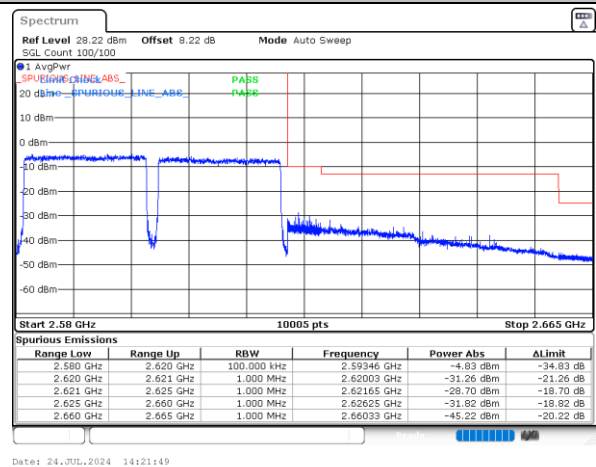
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





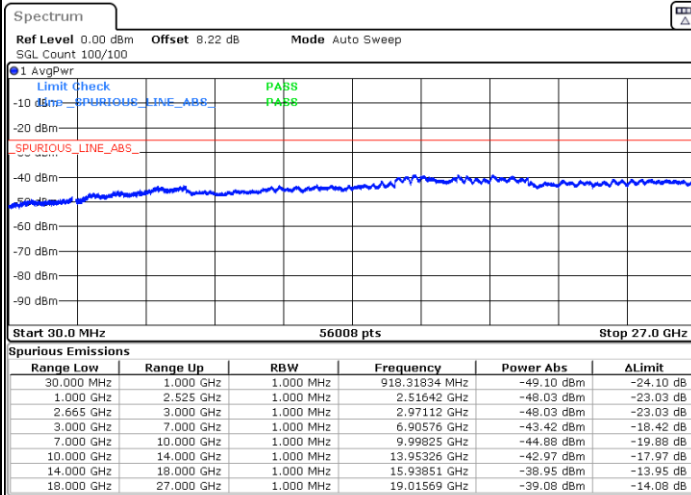
Conducted Spurious Emission

LTE Band 38C / 15MHz+15MHz

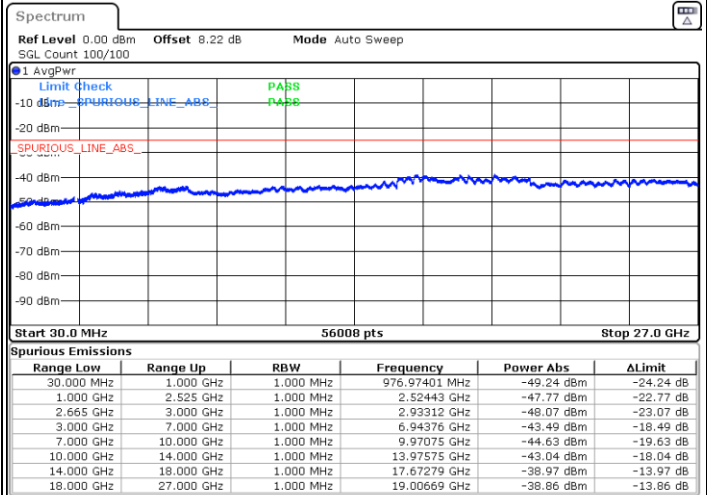
QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



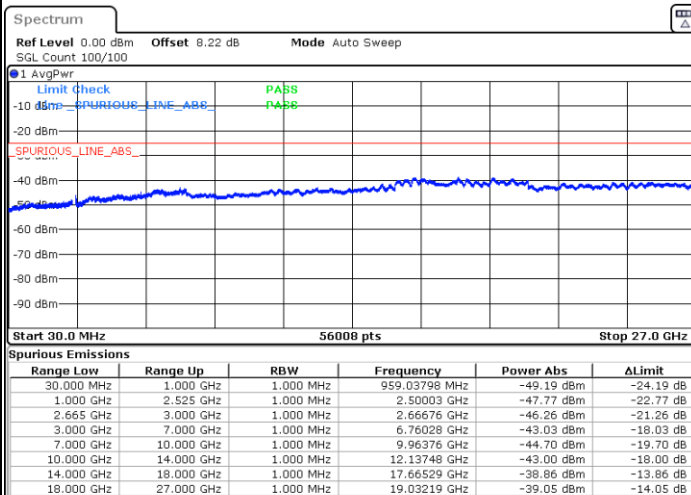
Date: 24.JUL.2024 13:35:22



Date: 24.JUL.2024 13:37:00

Highest Channel / 1RB74 and 1RB0

N/A



Date: 24.JUL.2024 13:38:38

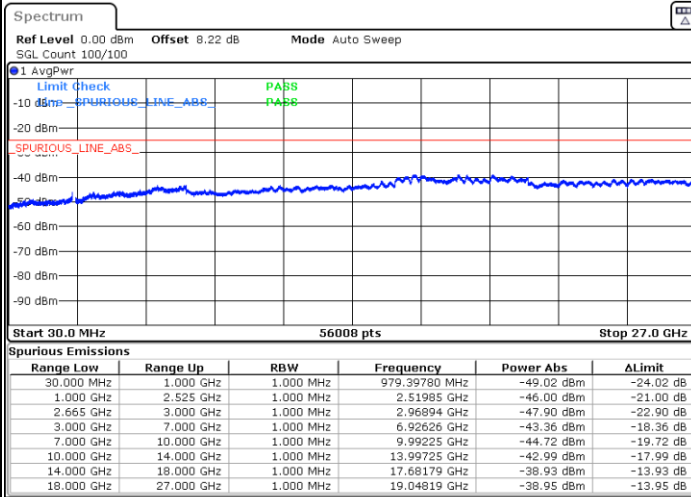


LTE Band 38C / 20MHz+20MHz

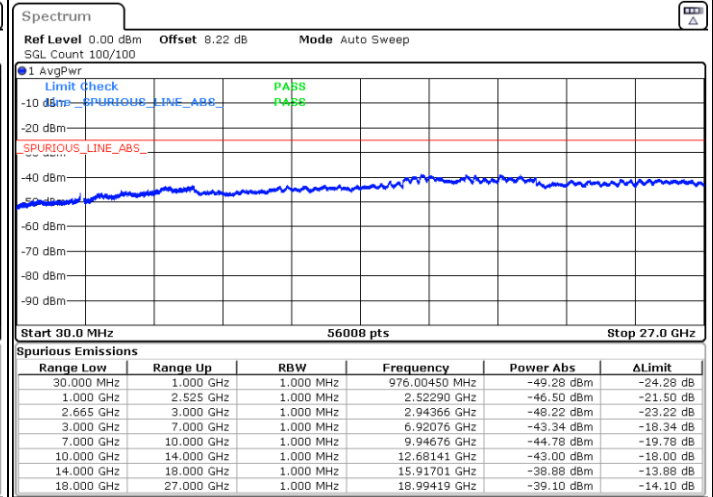
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



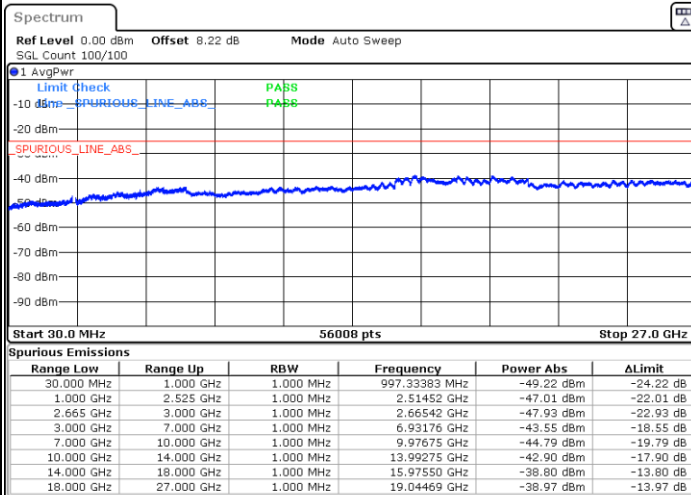
Date: 24.JUL.2024 14:05:19



Date: 24.JUL.2024 14:06:57

Highest Channel / 1RB99 and 1RB0

N/A



Date: 24.JUL.2024 14:08:35

Frequency Stability

Test Conditions		LTE Band 38C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0056	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0064	
-30	Normal Voltage	0.0062	
20	Maximum Voltage	0.0073	
20	Normal Voltage	0.0032	
20	Battery End Point	0.0024	

Note:

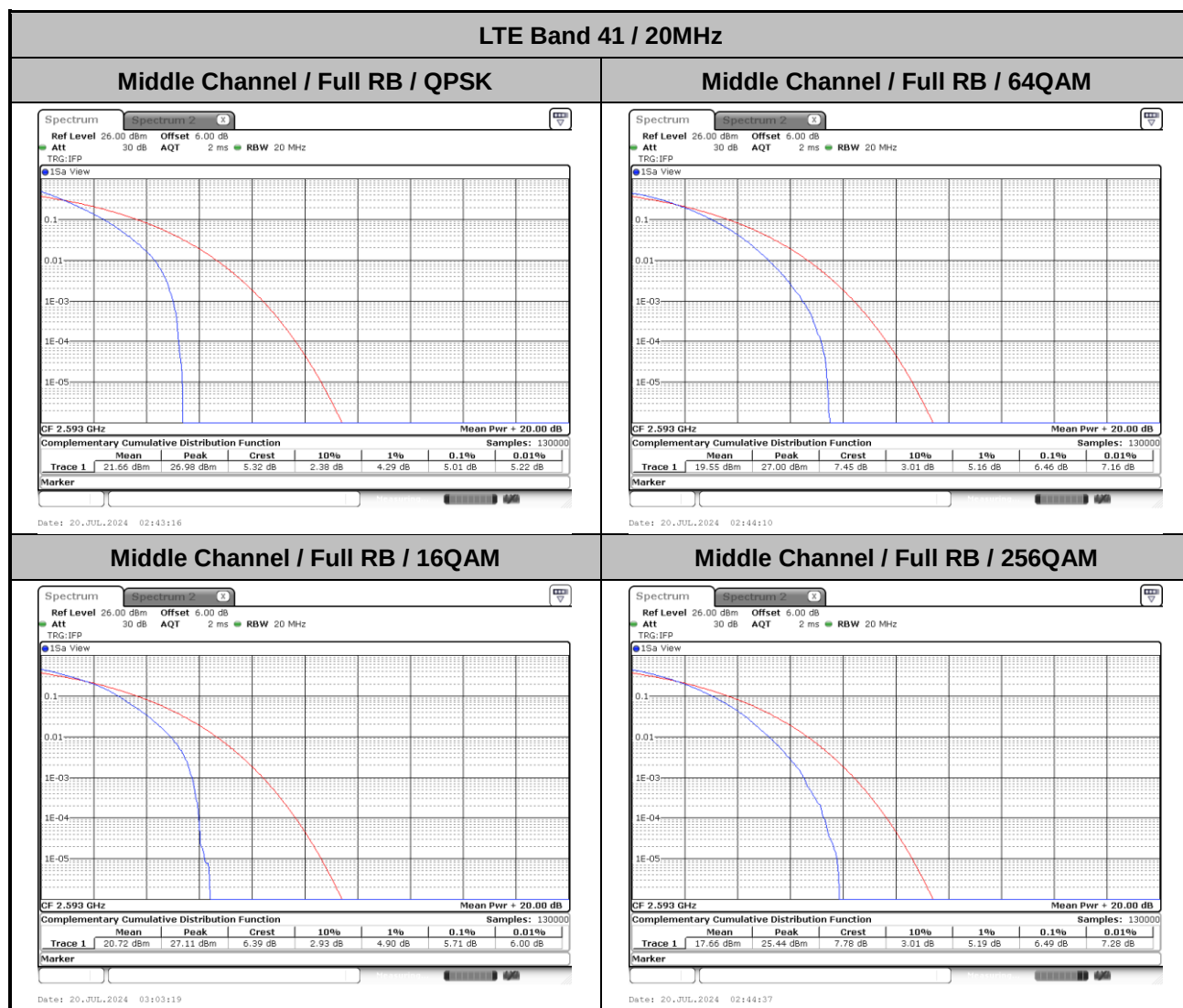
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41 (Main PA)

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.01	5.71	6.46	6.49	PASS



**26dB Bandwidth**

Mode	LTE Band 41 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.95	4.80
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.63	9.79
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.39	14.39
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.02	19.10

