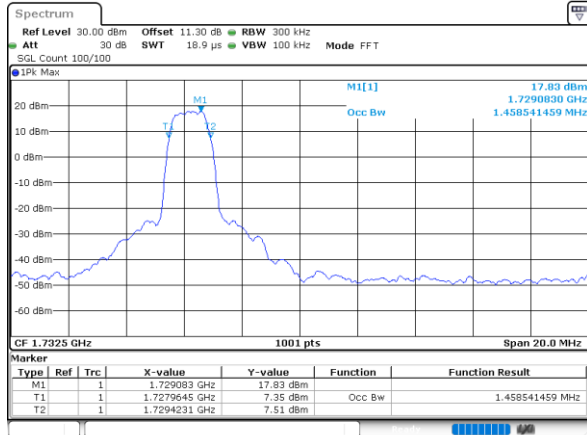


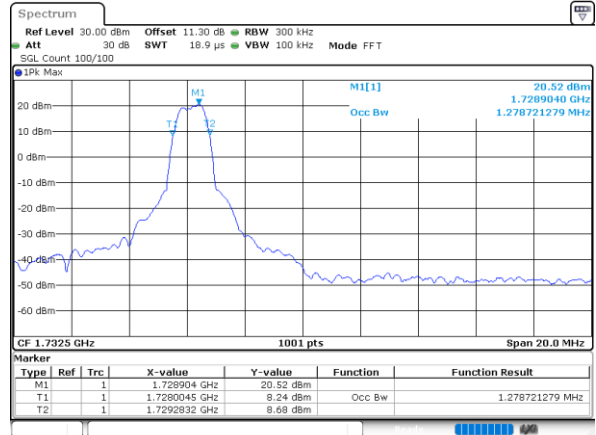


LTE Band 4

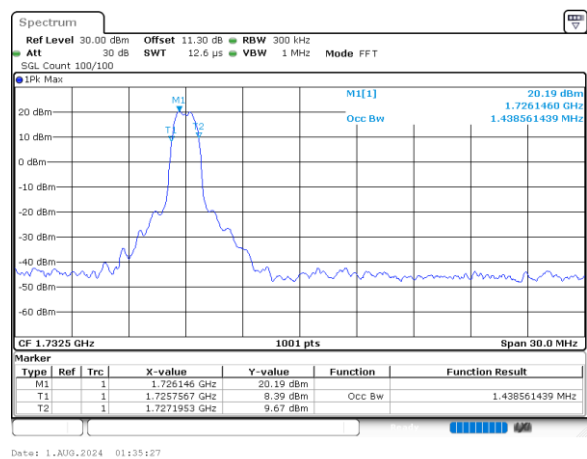
Middle Channel / 10MHz / QPSK



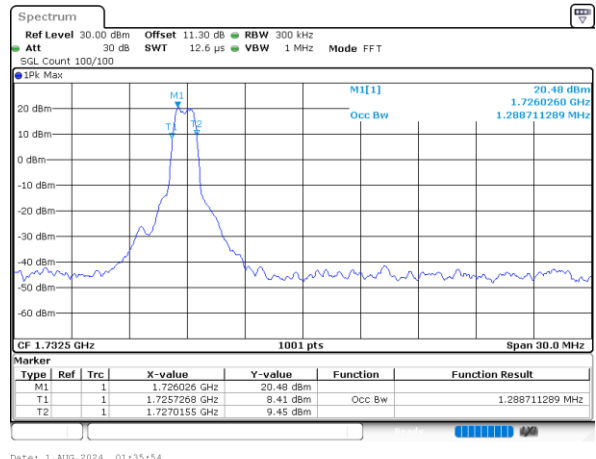
Middle Channel / 10MHz / 16QAM



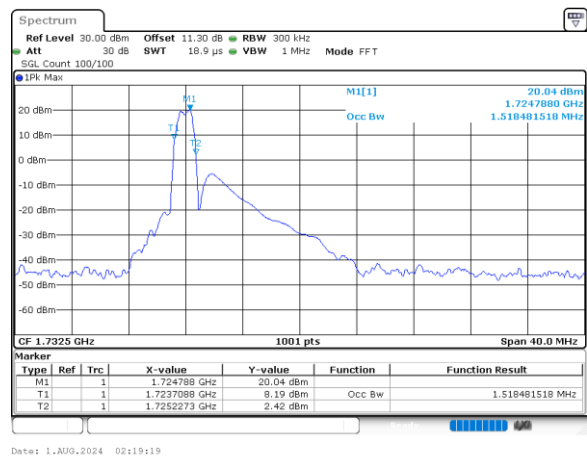
Middle Channel / 15MHz / QPSK



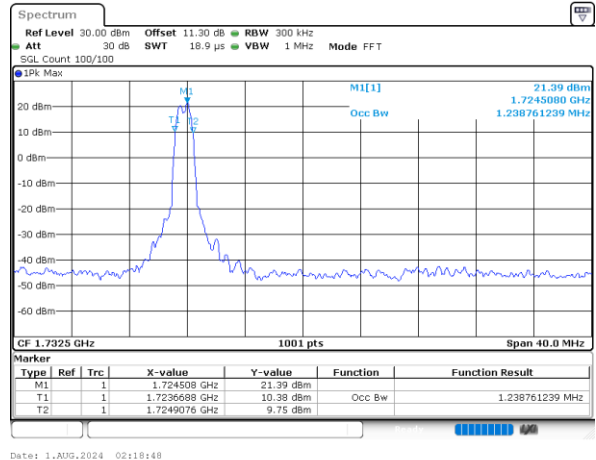
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

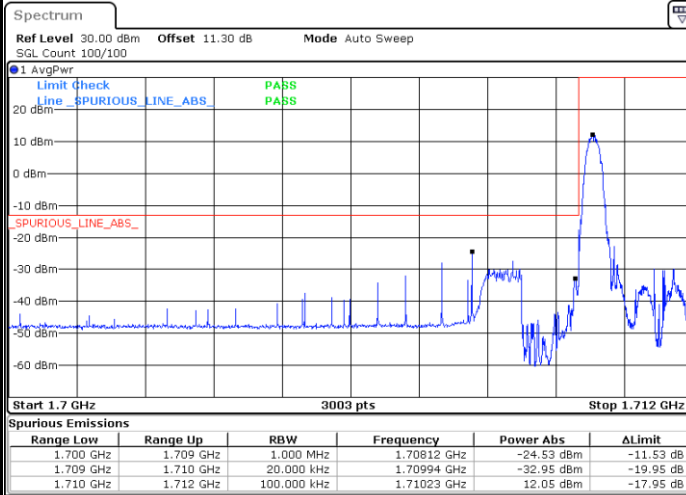




Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

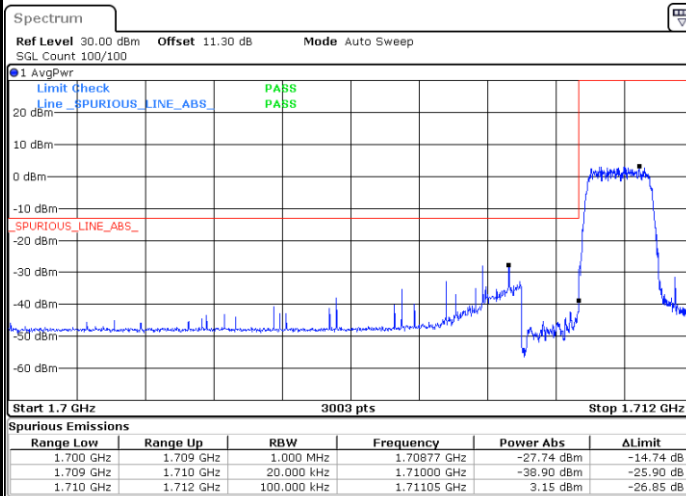
Lowest Band Edge / 1RB



Highest Band Edge / 1RB



Lowest Band Edge / Full RB



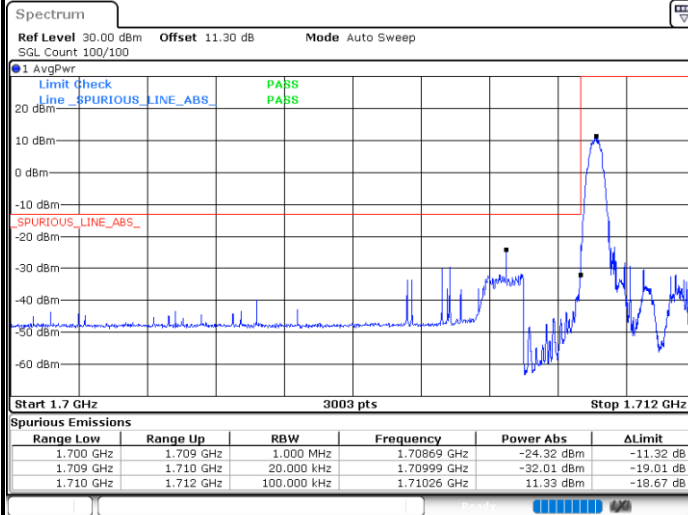
Highest Band Edge / Full RB





LTE Band 4 / 1.4MHz / 16QAM

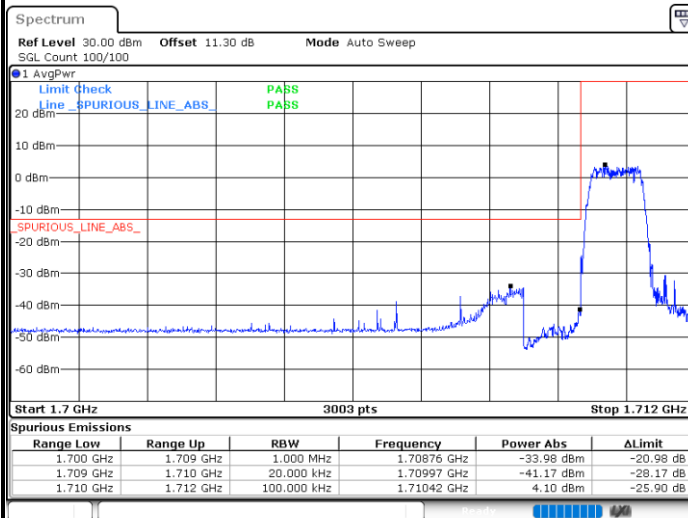
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



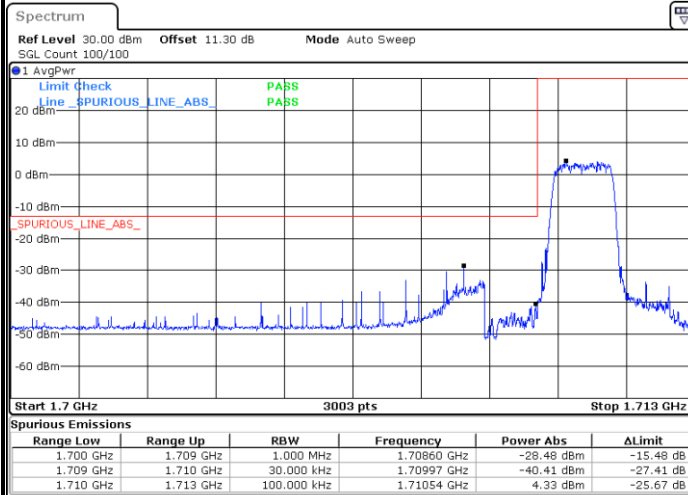
Highest Band Edge / Full RB





LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / Full RB

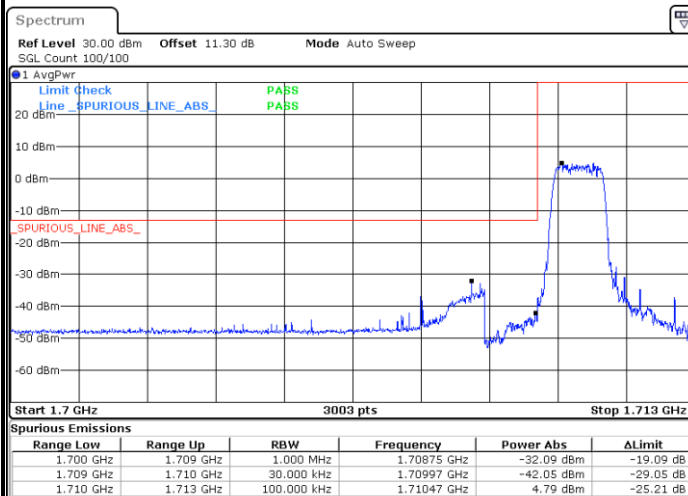


Highest Band Edge / Full RB

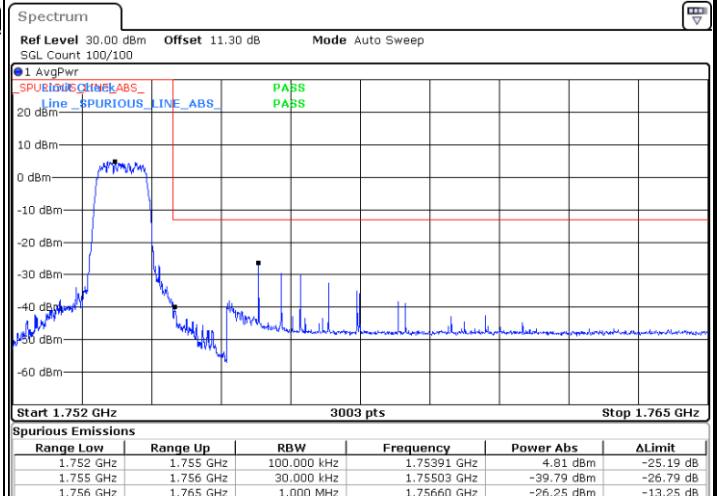


LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / Full RB



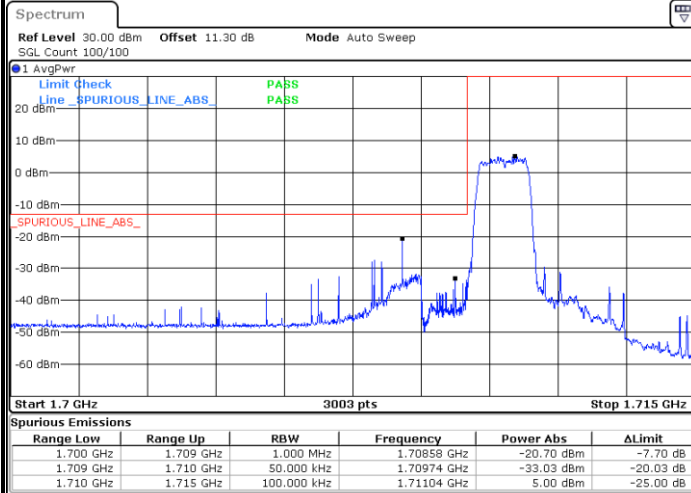
Highest Band Edge / Full RB



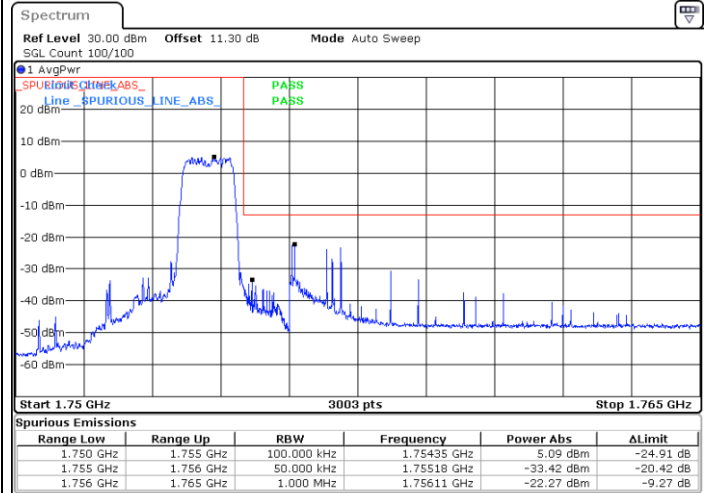


LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / Full RB

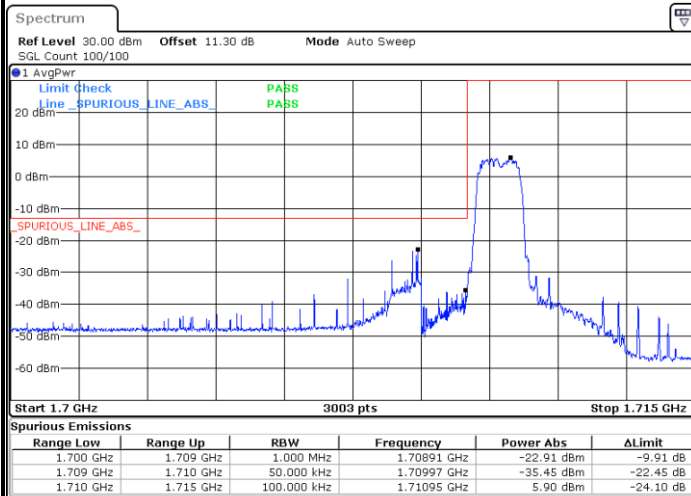


Highest Band Edge / Full RB

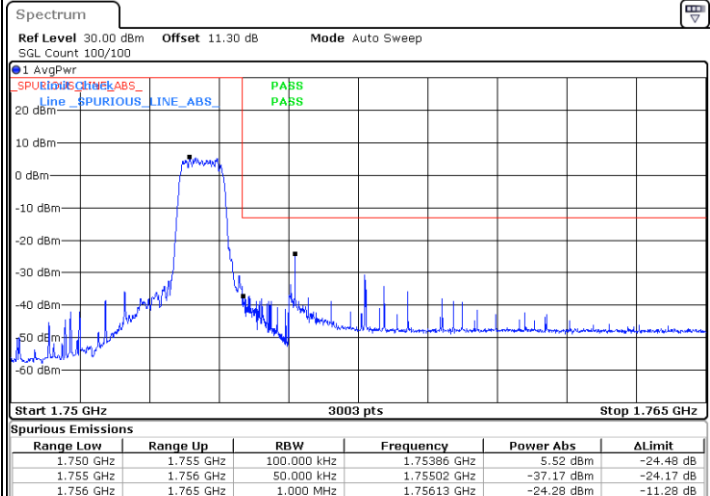


LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / Full RB



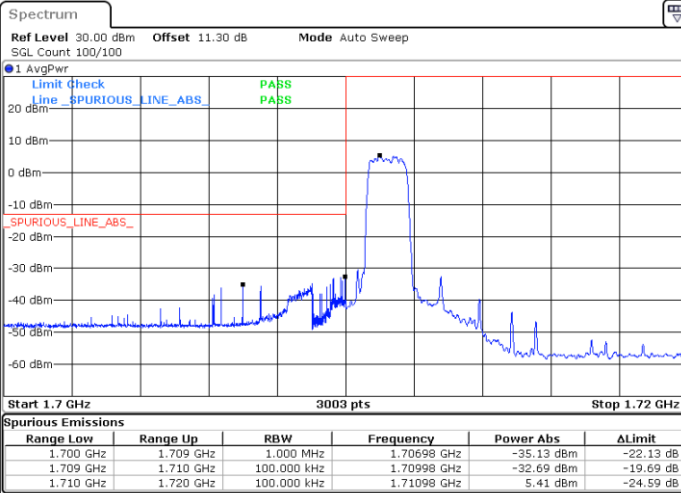
Highest Band Edge / Full RB





LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

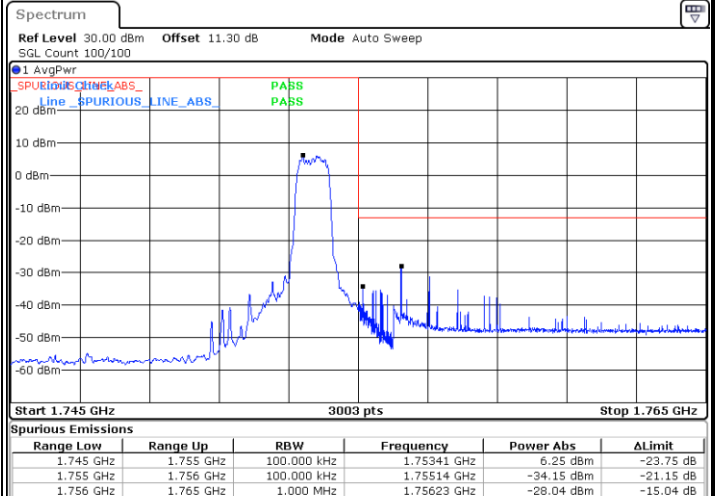


LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / Full RB



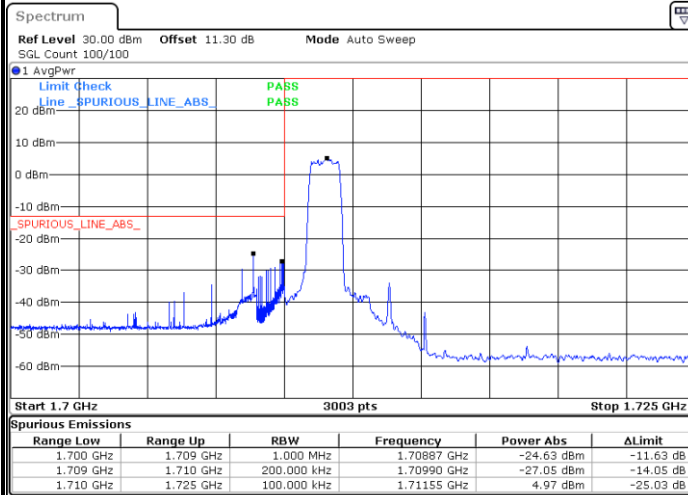
Highest Band Edge / Full RB





LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / Full RB

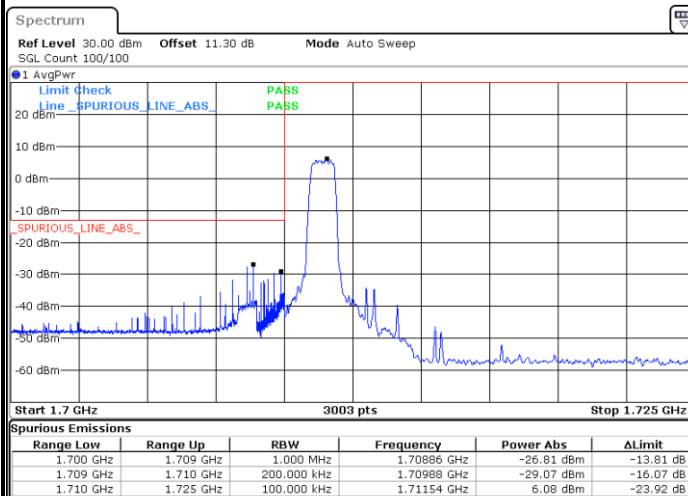


Highest Band Edge / Full RB

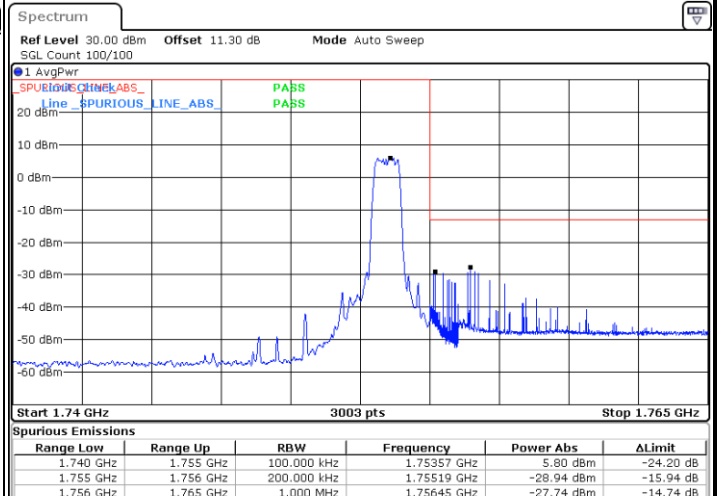


LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / Full RB



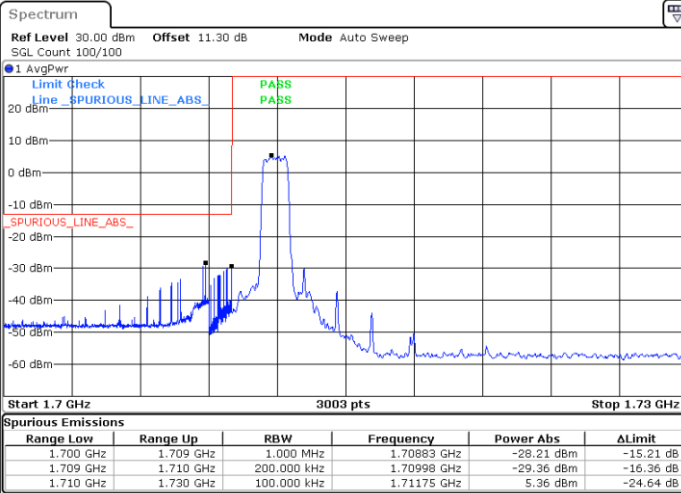
Highest Band Edge / Full RB



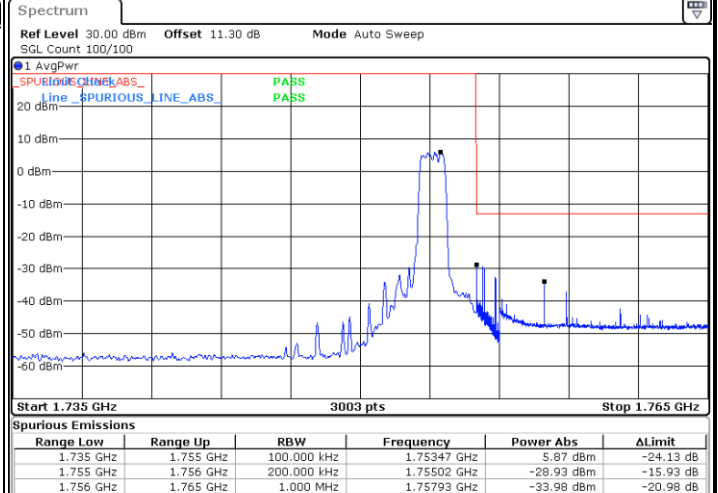


LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / Full RB

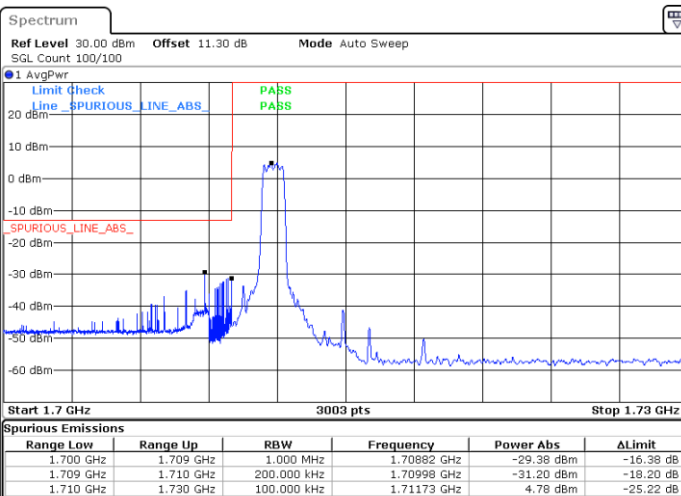


Highest Band Edge / Full RB

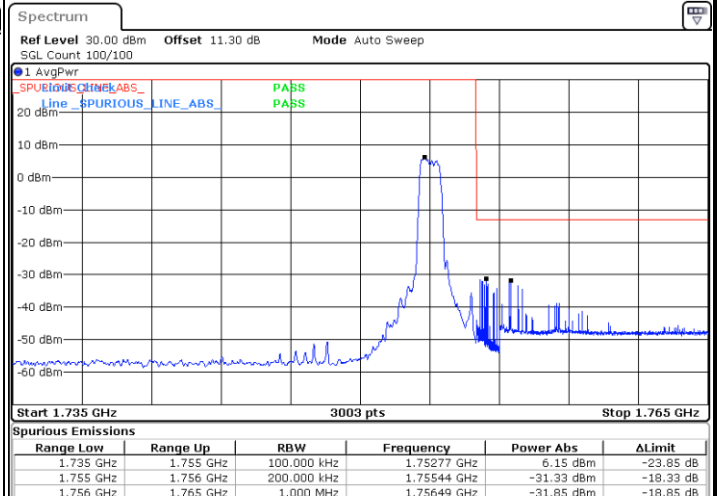


LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





Lowest Channel / QPSK



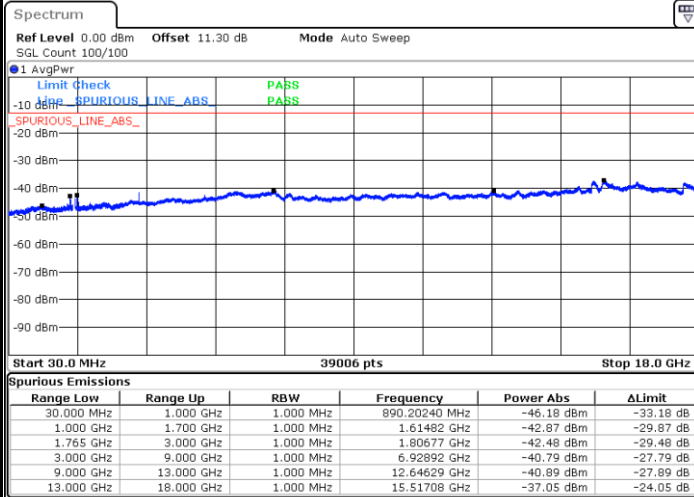
Date: 31.JUL.2024 23:59:03

Date: 1.AUG.2024 00:26:54



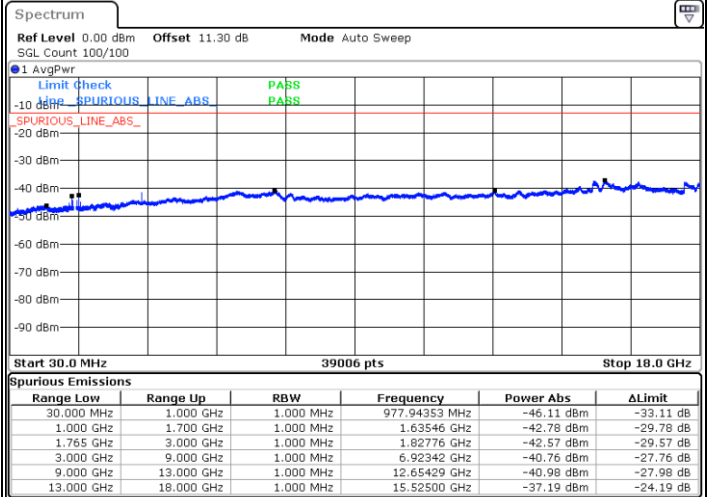
LTE Band 4 / 3MHz

Lowest Channel / QPSK



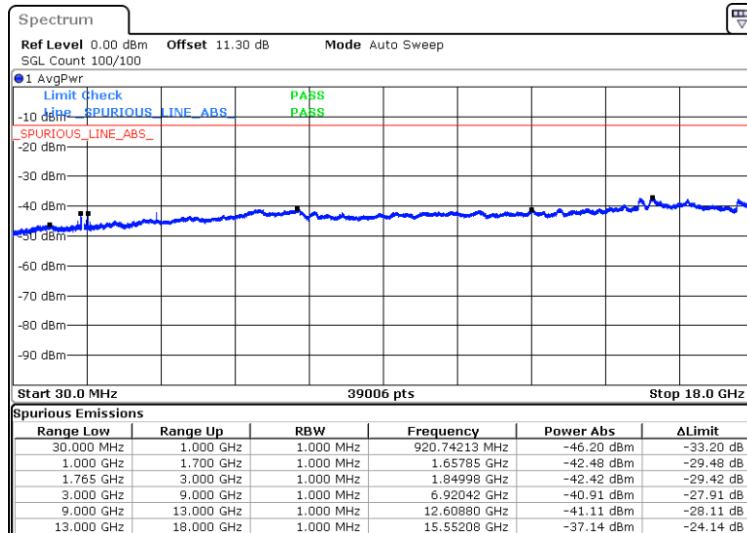
Date: 1.AUG.2024 00:35:36

Middle Channel / QPSK



Date: 1.AUG.2024 00:28:48

Highest Channel / QPSK

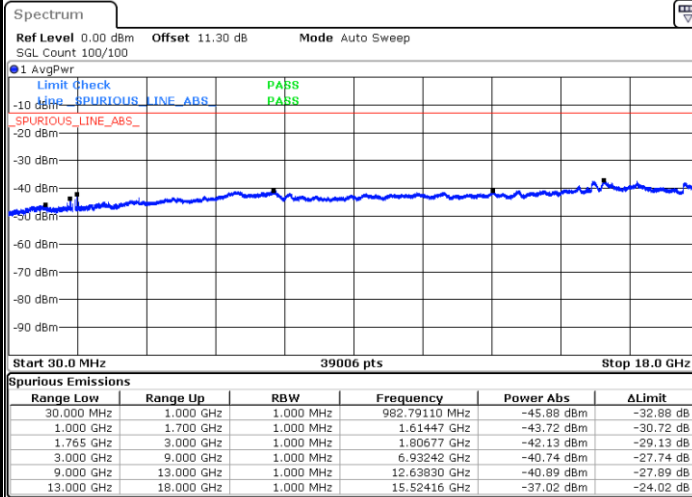


Date: 1.AUG.2024 00:38:54



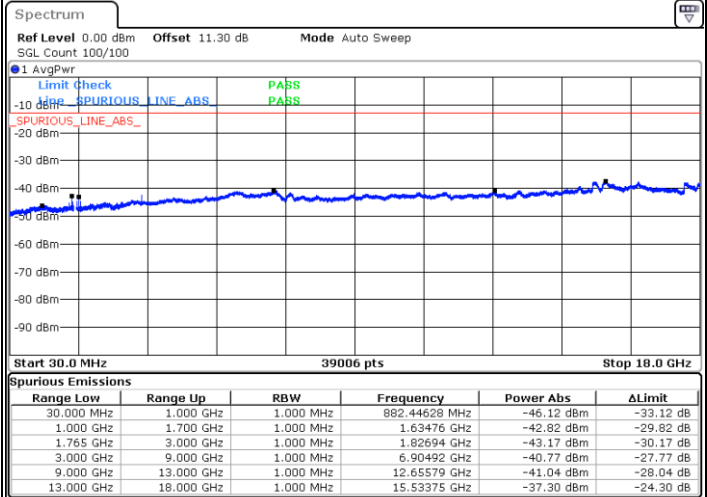
LTE Band 4 / 5MHz

Lowest Channel / QPSK



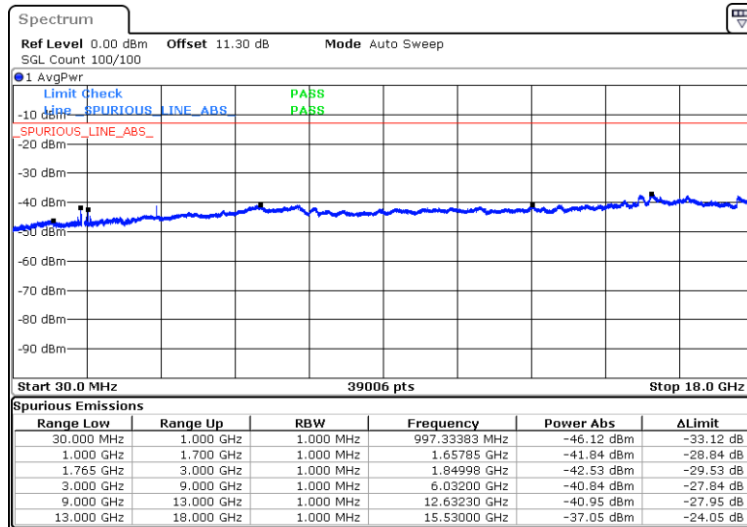
Date: 1.AUG.2024 01:15:18

Middle Channel / QPSK



Date: 1.AUG.2024 00:48:18

Highest Channel / QPSK

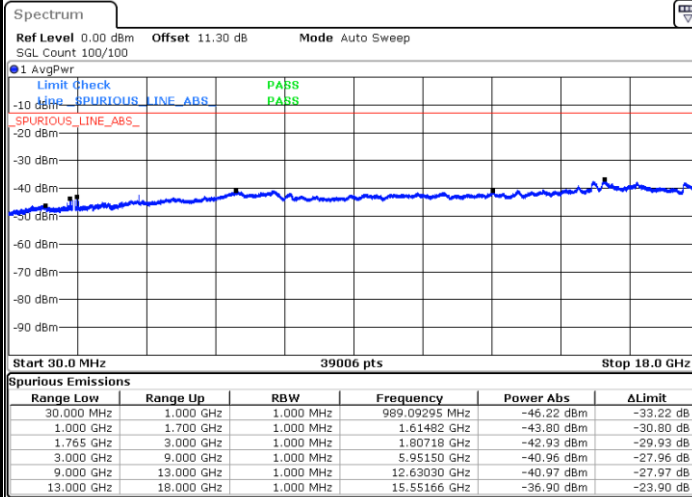


Date: 1.AUG.2024 01:23:53



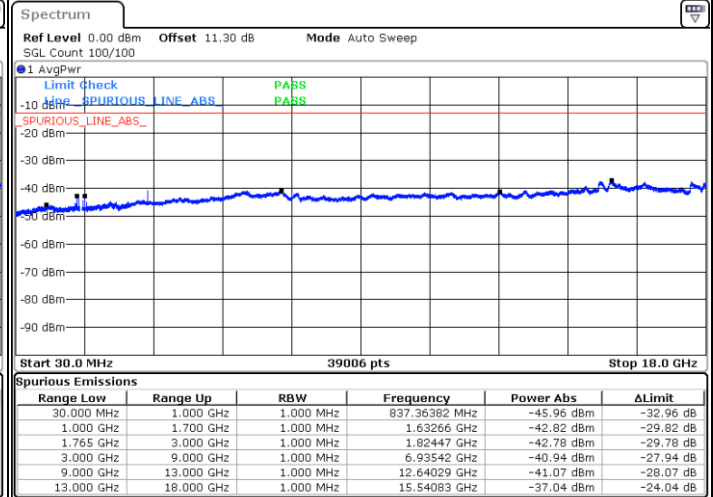
LTE Band 4 / 10MHz

Lowest Channel / QPSK



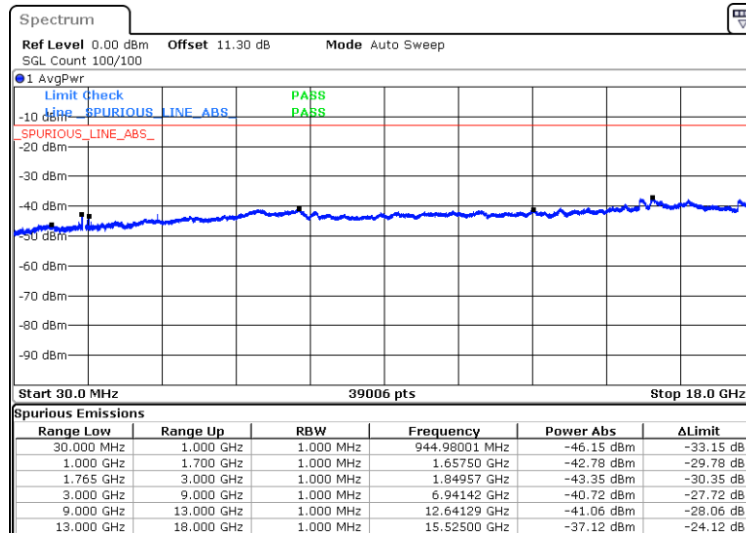
Date: 1.AUG.2024 01:28:18

Middle Channel / QPSK



Date: 1.AUG.2024 01:27:05

Highest Channel / QPSK

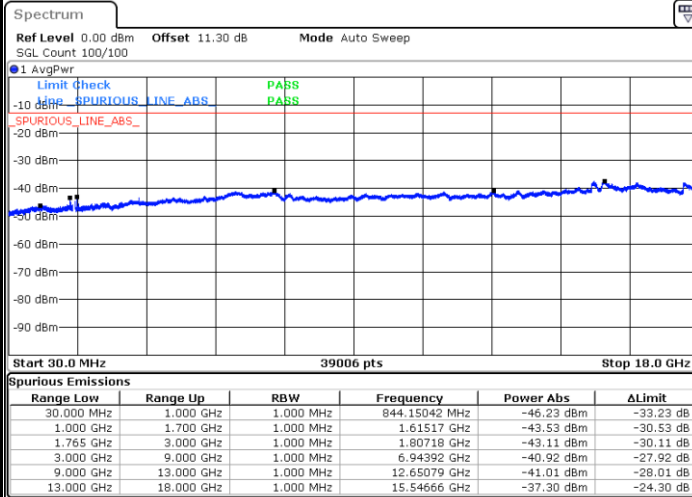


Date: 1.AUG.2024 01:34:50



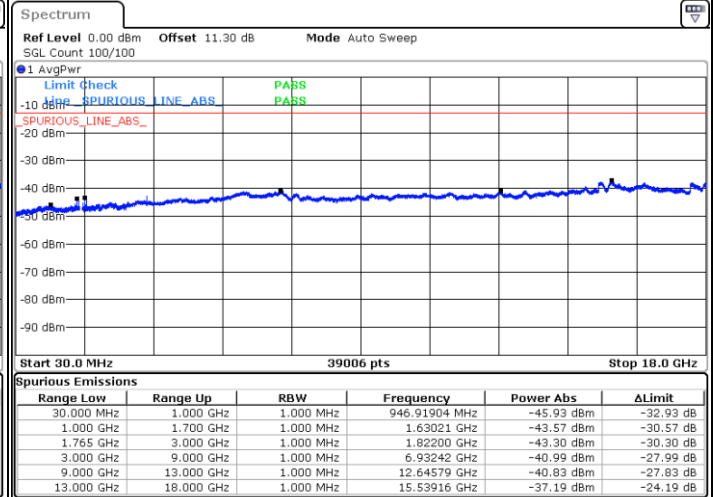
LTE Band 4 / 15MHz

Lowest Channel / QPSK



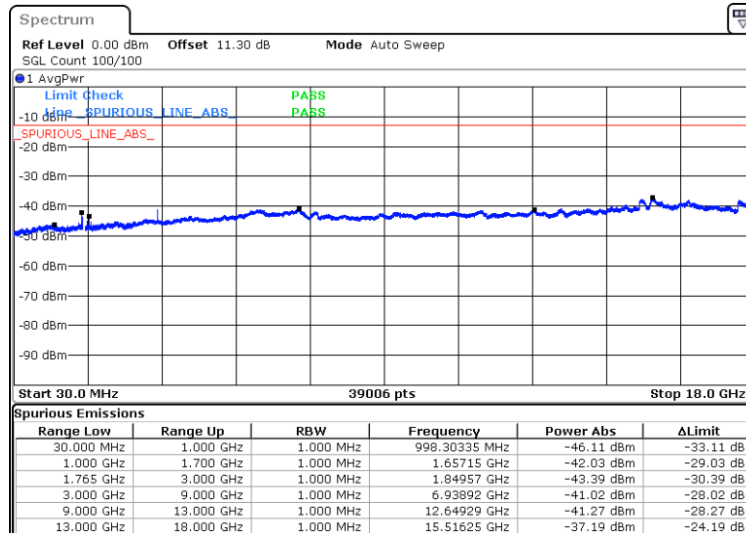
Date: 1.AUG.2024 02:05:26

Middle Channel / QPSK



Date: 1.AUG.2024 02:04:30

Highest Channel / QPSK

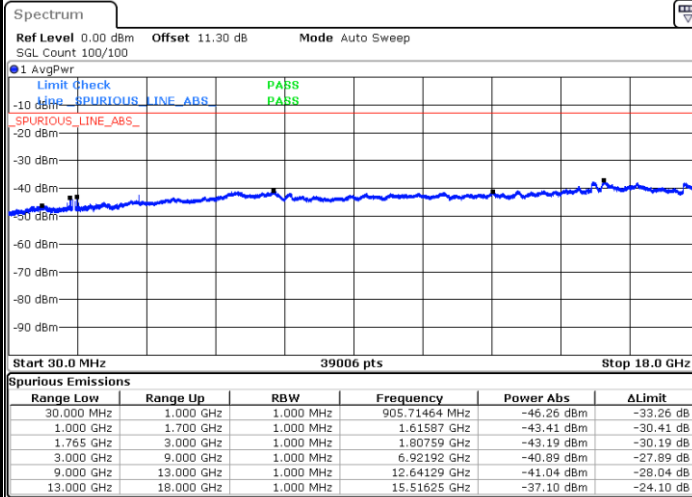


Date: 1.AUG.2024 02:11:55



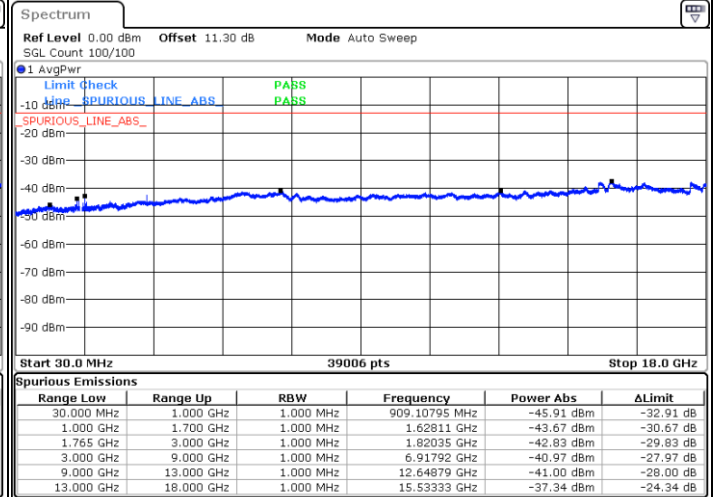
LTE Band 4 / 20MHz

Lowest Channel / QPSK



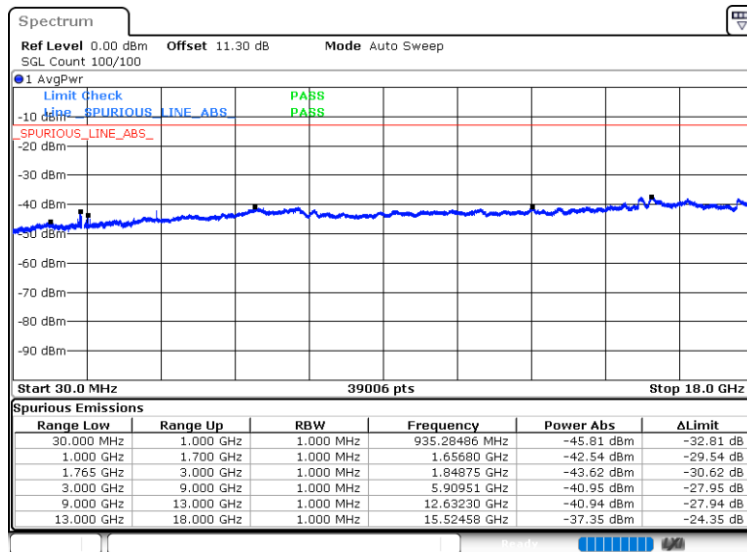
Date: 1.AUG.2024 02:21:35

Middle Channel / QPSK



Date: 1.AUG.2024 02:20:27

Highest Channel / QPSK



Date: 1.AUG.2024 02:28:56

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0048	
30	Normal Voltage	0.0051	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0041	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0047	
-30	Normal Voltage	0.0053	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0057	

Note:

1. Normal Voltage = 110 V. ; Minimum Voltage = 90 V. ; Maximum Voltage = 264 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

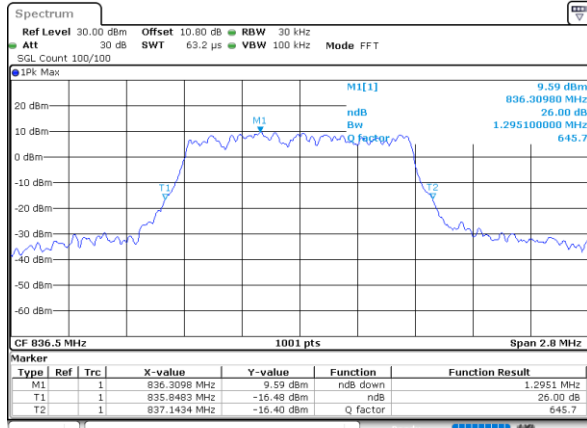
**LTE Band 5****26dB Bandwidth**

Mode	LTE Band 5 : 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	1.29	1.13	1.33	1.19	1.30	1.25	1.81	1.61	-	-	-	-



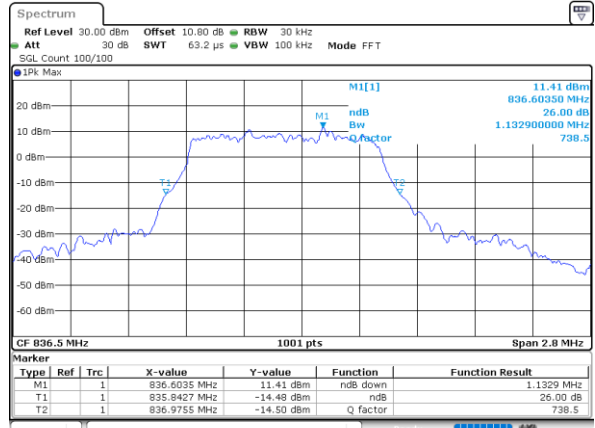
LTE Band 5

Middle Channel / 1.4MHz / QPSK



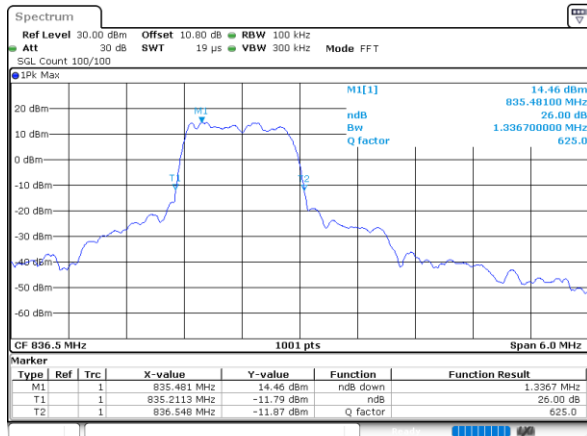
Date: 1.AUG.2024 02:37:43

Middle Channel / 1.4MHz / 16QAM



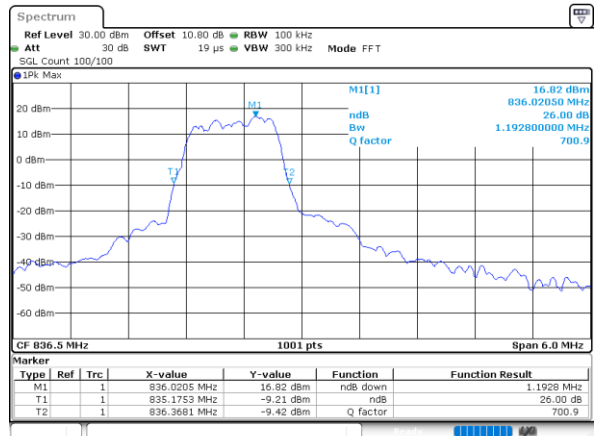
Date: 1.AUG.2024 02:37:11

Middle Channel / 3MHz / QPSK



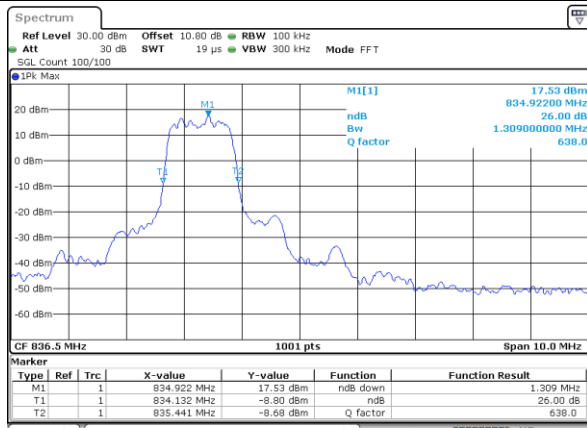
Date: 1.AUG.2024 19:50:07

Middle Channel / 3MHz / 16QAM



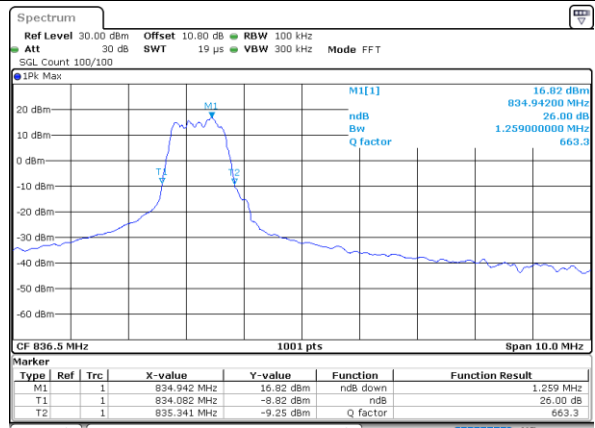
Date: 1.AUG.2024 19:44:59

Middle Channel / 5MHz / QPSK



Date: 1.AUG.2024 20:28:19

Middle Channel / 5MHz / 16QAM

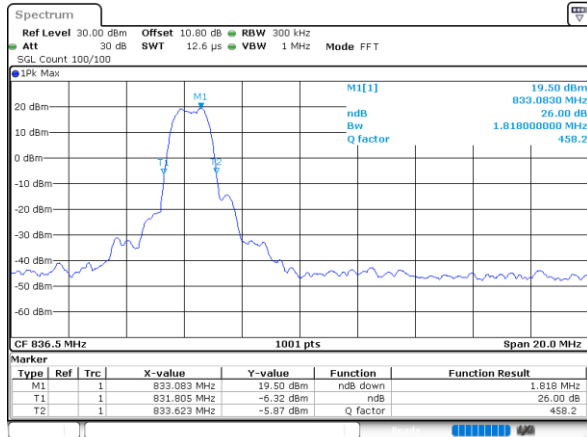


Date: 1.AUG.2024 20:27:48

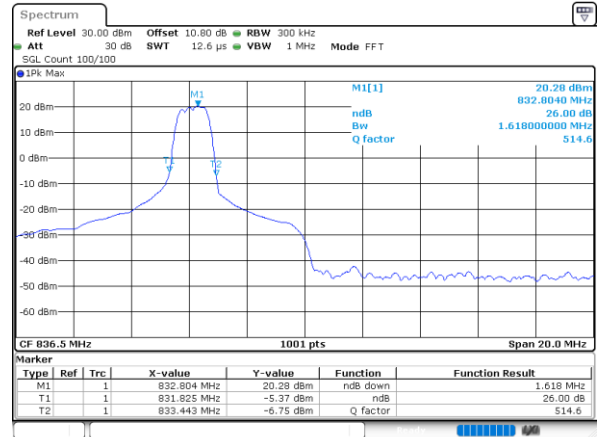


LTE Band 5

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM





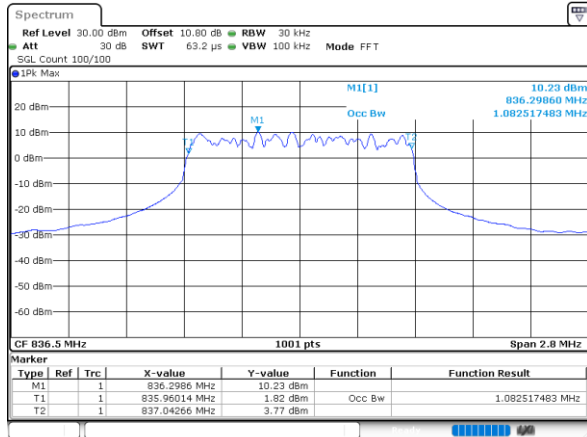
Occupied Bandwidth

Mode	LTE Band 5 : 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	1.08	0.90	1.15	0.96	1.14	0.98	1.43	1.23	-	-	-	-

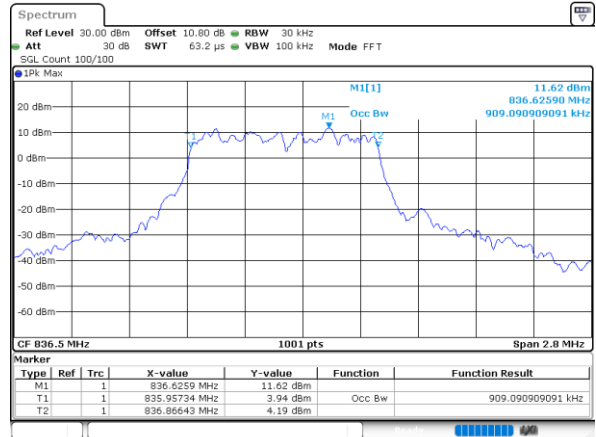


LTE Band 5

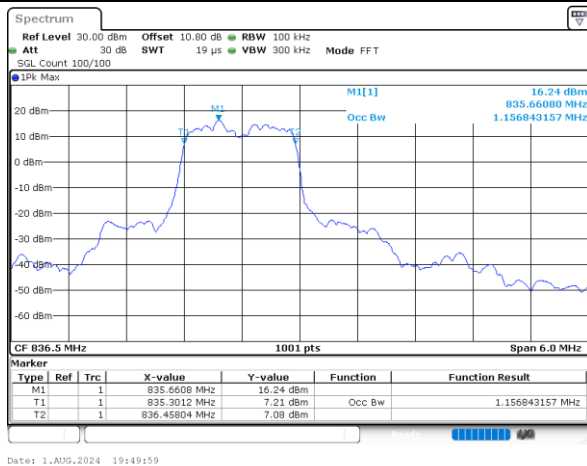
Middle Channel / 1.4MHz / QPSK



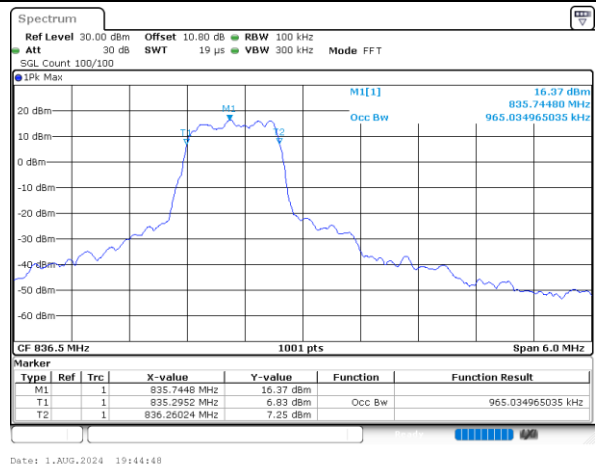
Middle Channel / 1.4MHz / 16QAM



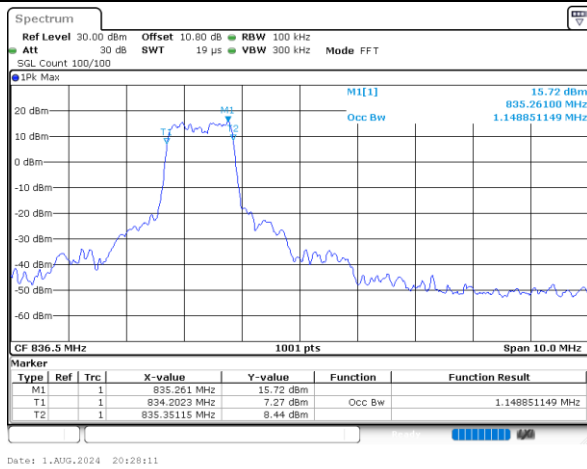
Middle Channel / 3MHz / QPSK



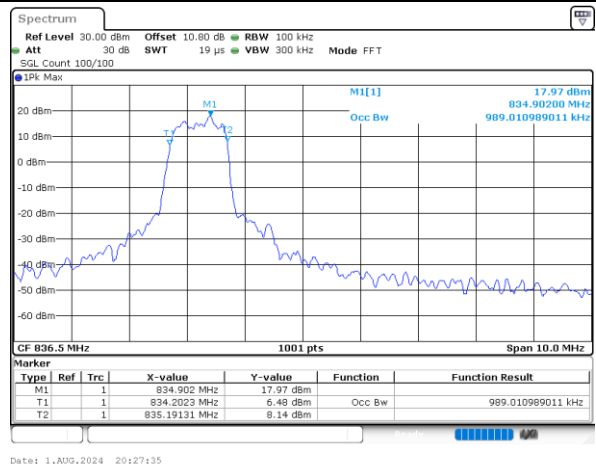
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



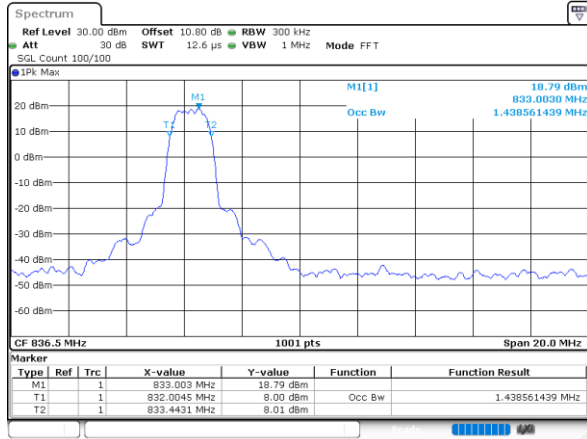
Middle Channel / 5MHz / 16QAM



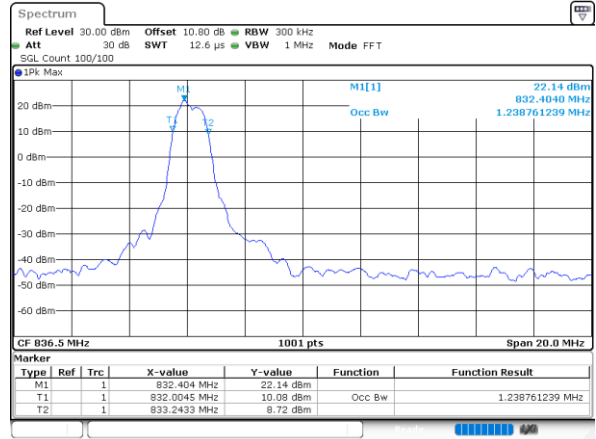


LTE Band 5

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

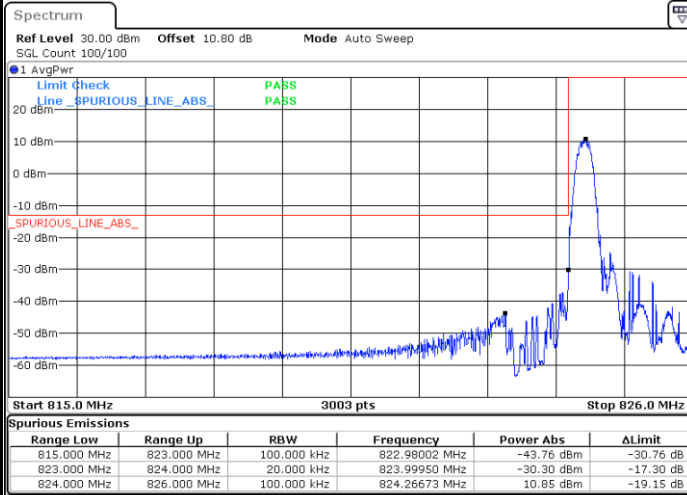




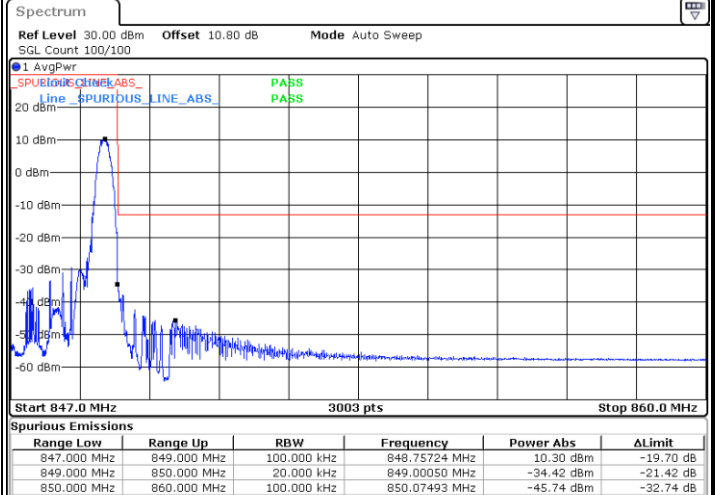
Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

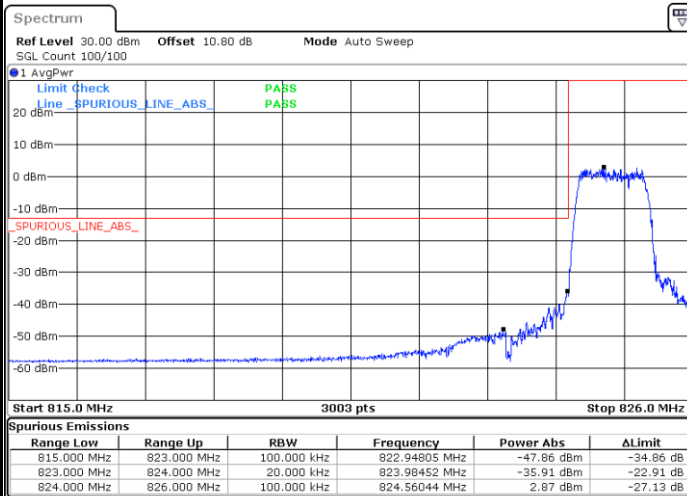
Lowest Band Edge / 1RB



Highest Band Edge / 1RB



Lowest Band Edge / Full RB



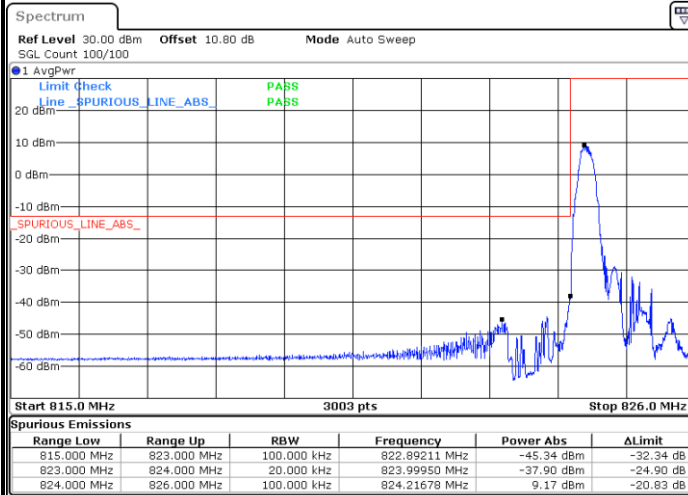
Highest Band Edge / Full RB





LTE Band 5 / 1.4MHz / 16QAM

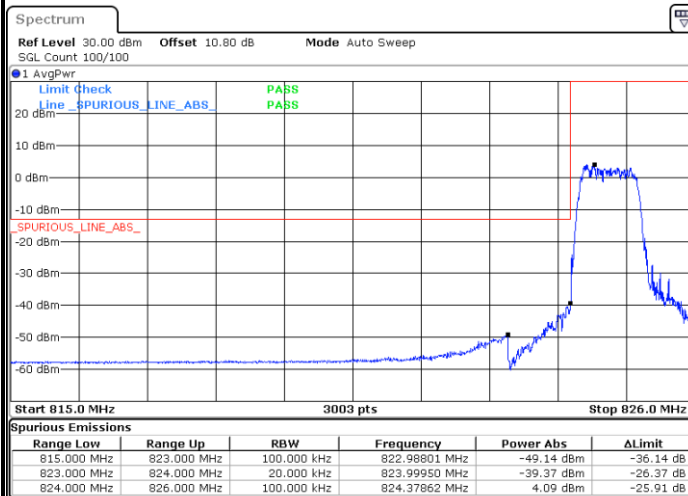
Lowest Band Edge / 1 RB



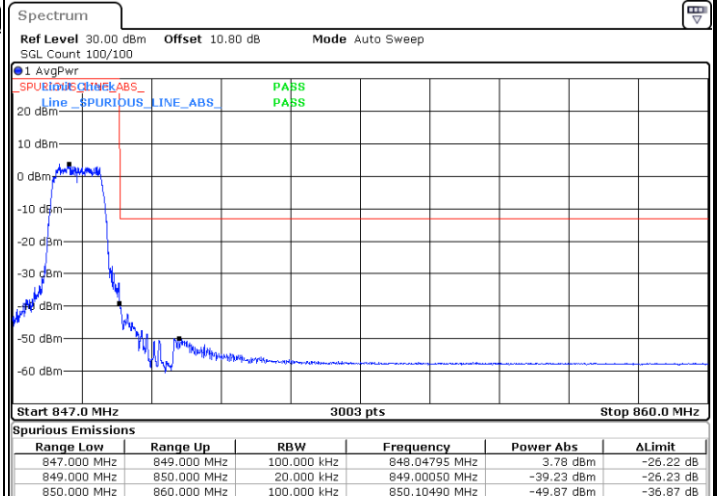
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



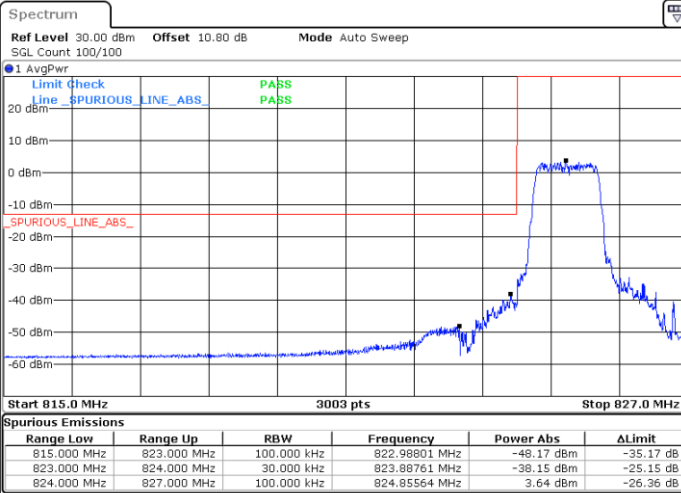
Highest Band Edge / Full RB





LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / Full RB

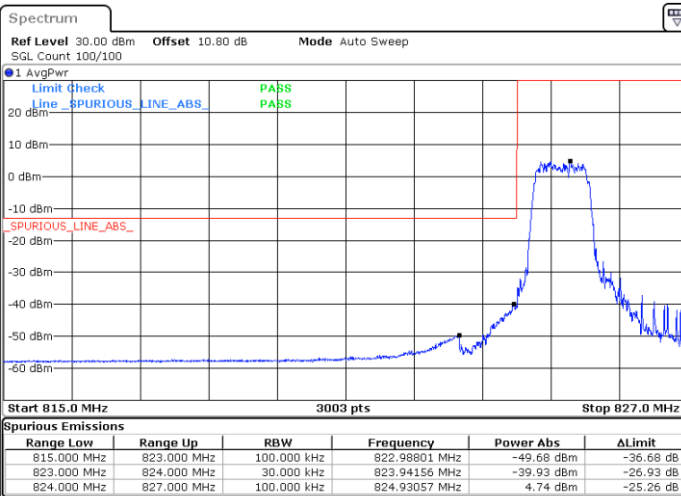


Highest Band Edge / Full RB



LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / Full RB



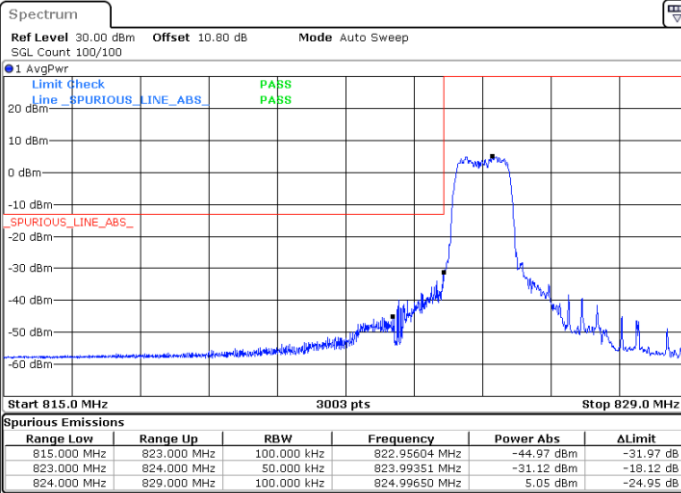
Highest Band Edge / Full RB





LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / Full RB

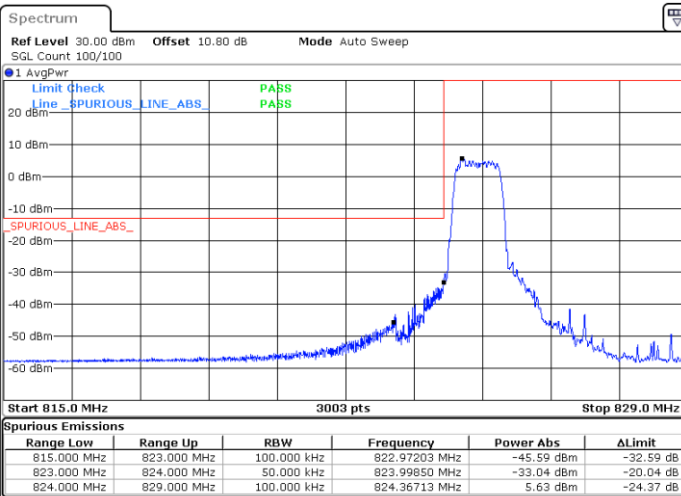


Highest Band Edge / Full RB

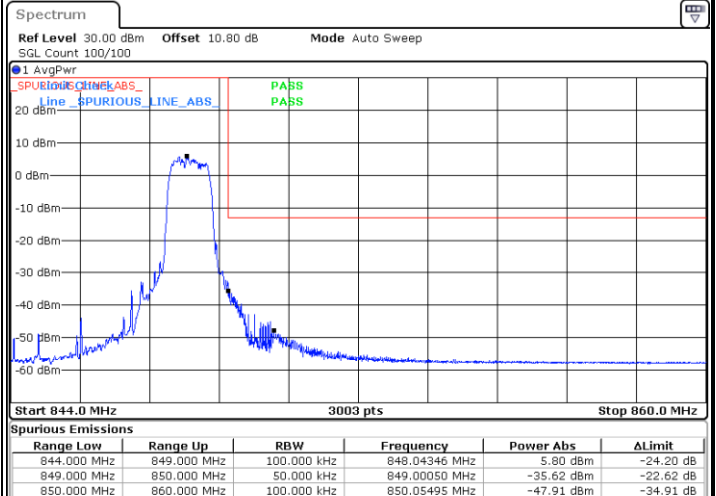


LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / Full RB



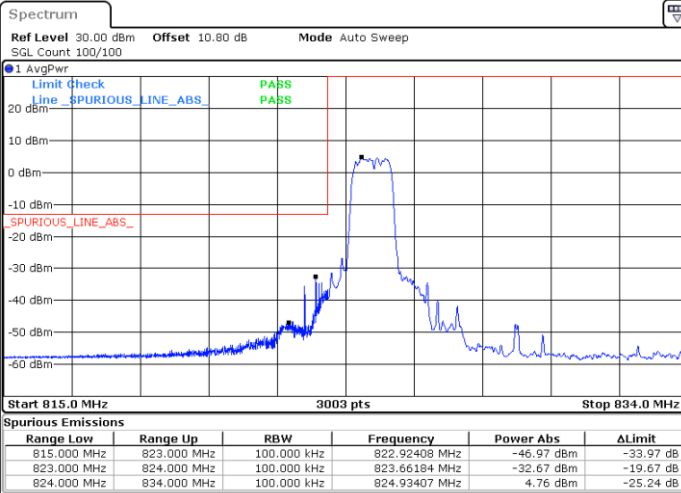
Highest Band Edge / Full RB



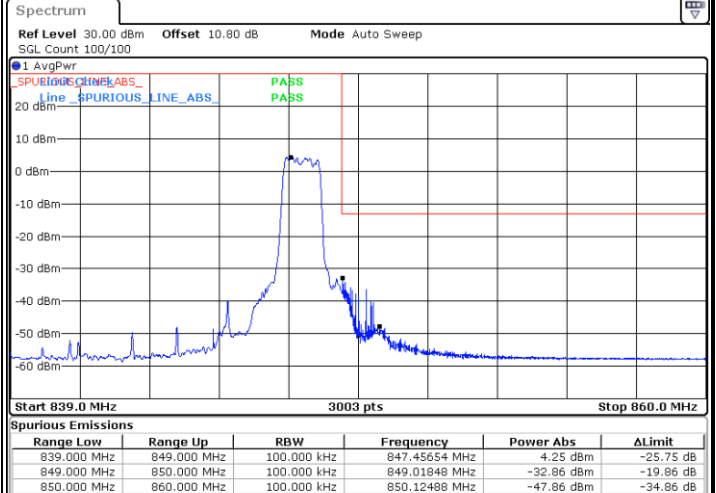


LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / Full RB

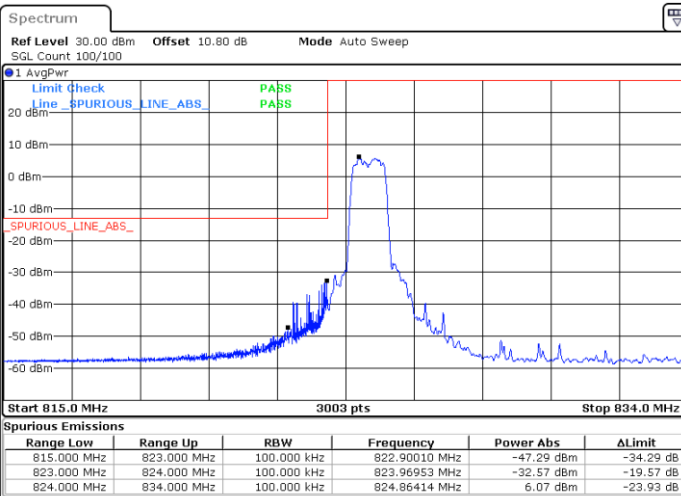


Highest Band Edge / Full RB

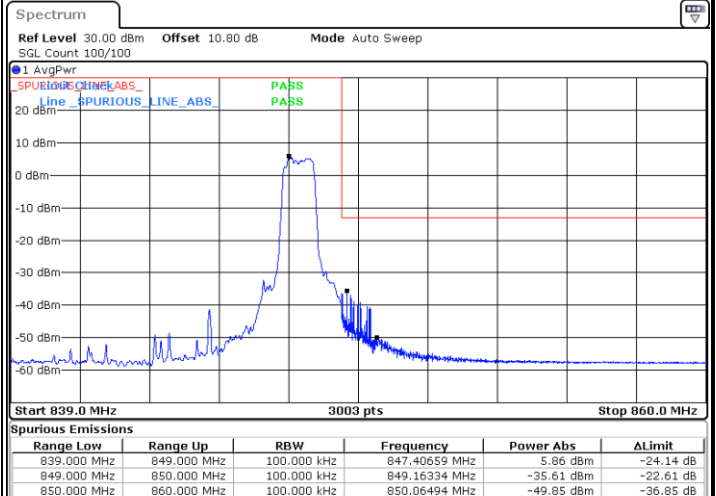


LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

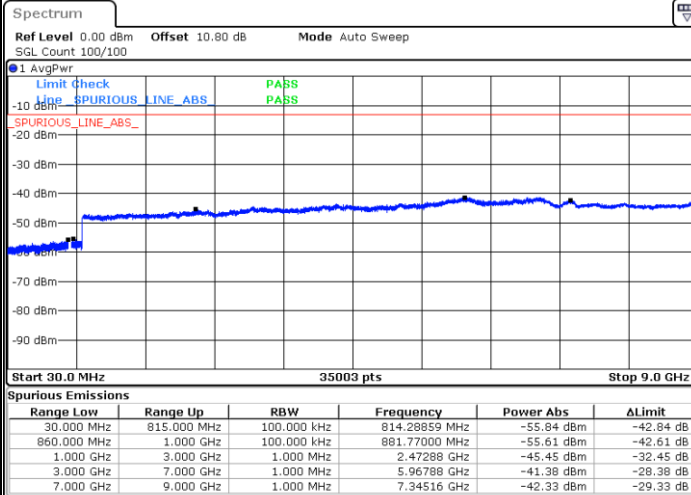




Conducted Spurious Emission

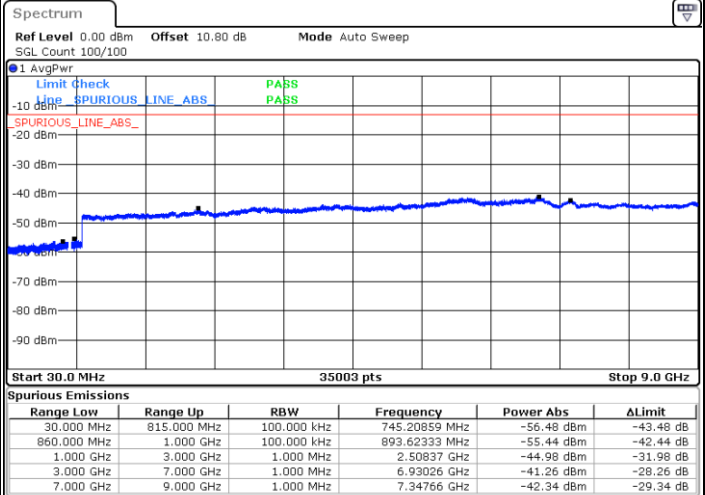
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



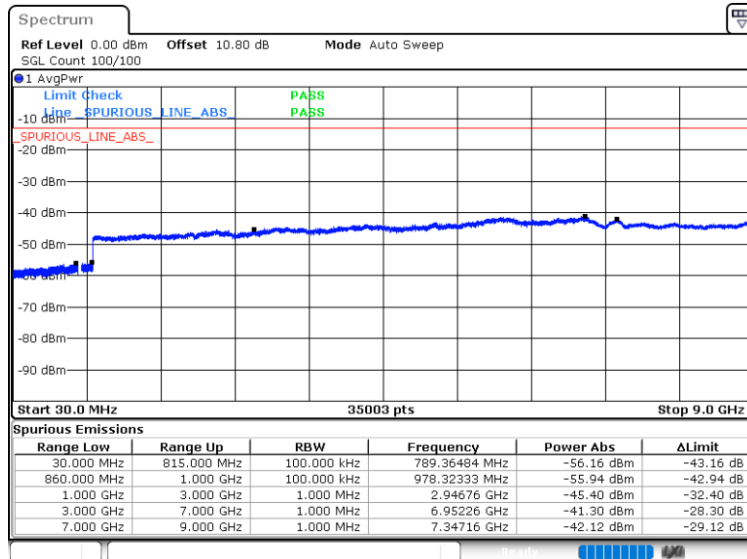
Date: 1.AUG.2024 02:46:21

Middle Channel / QPSK



Date: 1.AUG.2024 02:38:38

Highest Channel / QPSK

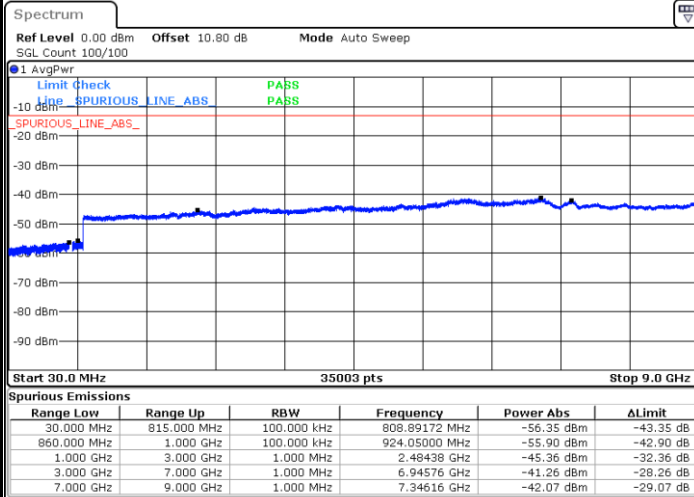


Date: 1.AUG.2024 03:08:12



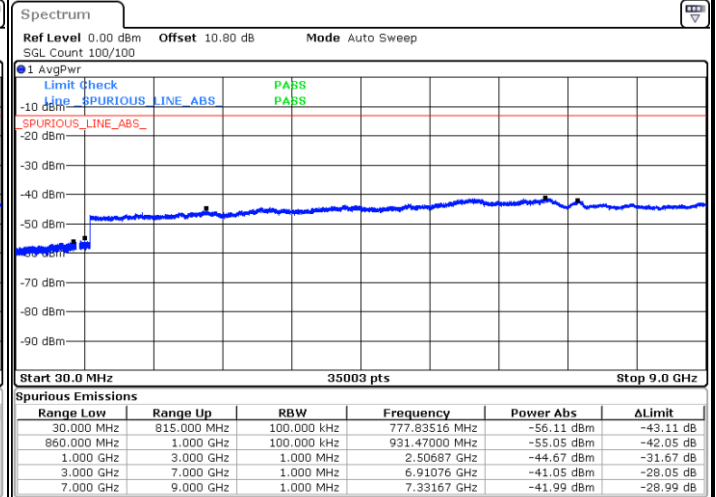
LTE Band 5 / 3MHz

Lowest Channel / QPSK



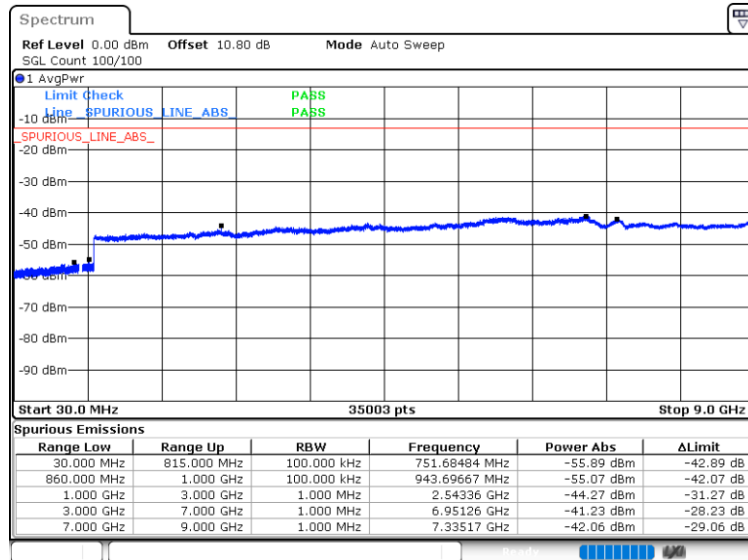
Date: 1.AUG.2024 19:52:53

Middle Channel / QPSK



Date: 1.AUG.2024 19:51:08

Highest Channel / QPSK

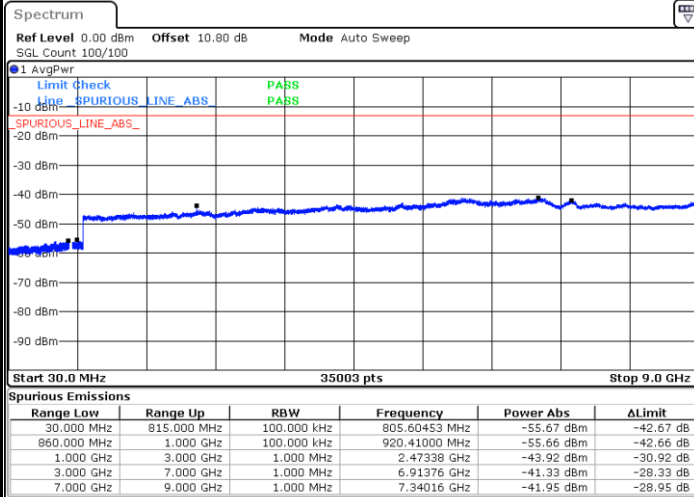


Date: 1.AUG.2024 20:26:12



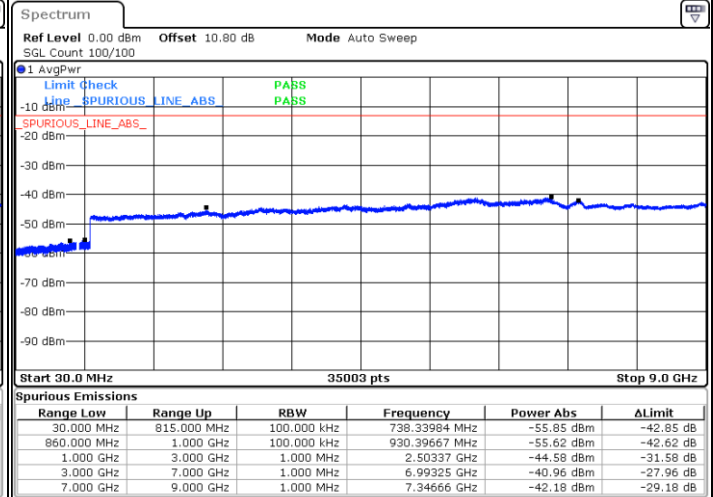
LTE Band 5 / 5MHz

Lowest Channel / QPSK



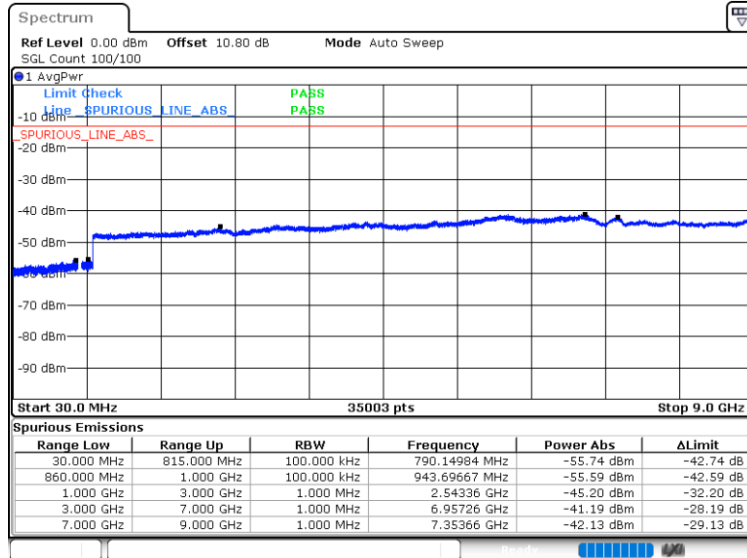
Date: 1.AUG.2024 20:29:50

Middle Channel / QPSK



Date: 1.AUG.2024 20:28:51

Highest Channel / QPSK

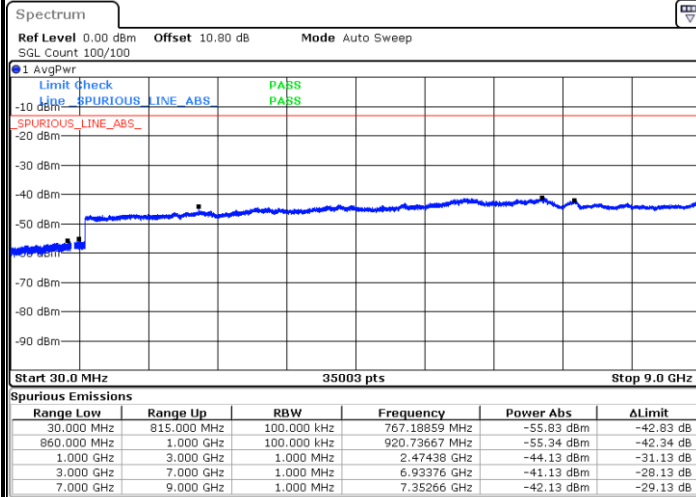


Date: 1.AUG.2024 20:38:45



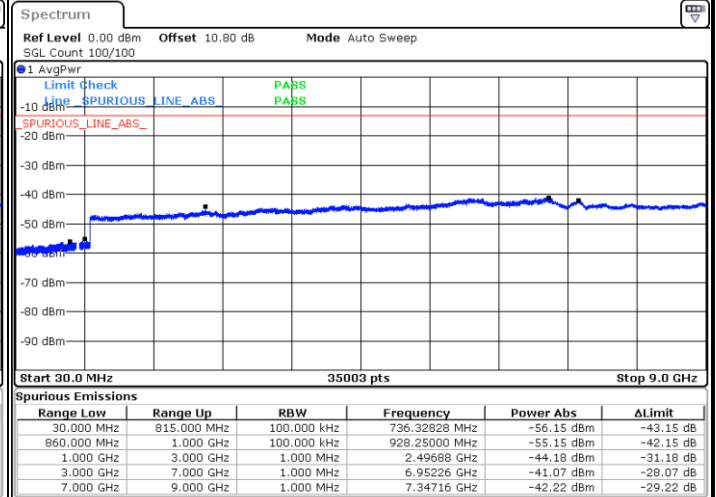
LTE Band 5 / 10MHz

Lowest Channel / QPSK



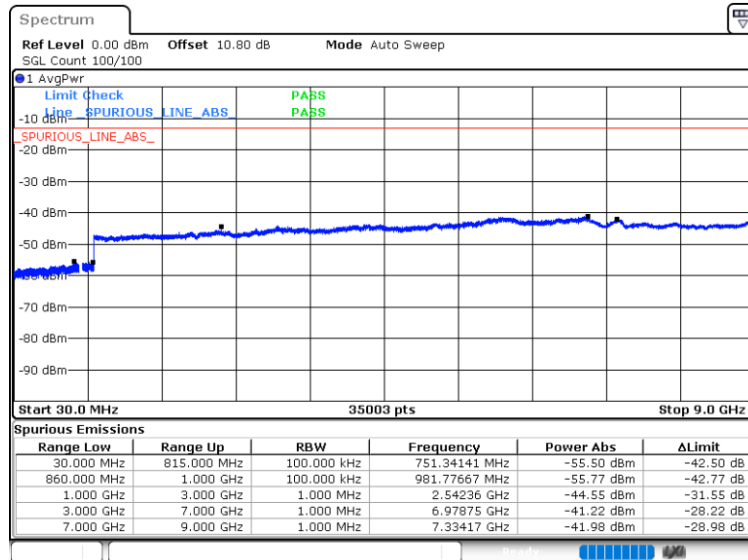
Date: 1.AUG.2024 20:47:24

Middle Channel / QPSK



Date: 1.AUG.2024 20:46:06

Highest Channel / QPSK



Date: 1.AUG.2024 21:22:33

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0104	PASS
40	Normal Voltage	0.0079	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0078	
0	Normal Voltage	0.0030	
-10	Normal Voltage	0.0050	
-20	Normal Voltage	0.0068	
-30	Normal Voltage	0.0091	
20	Maximum Voltage	0.0090	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0085	

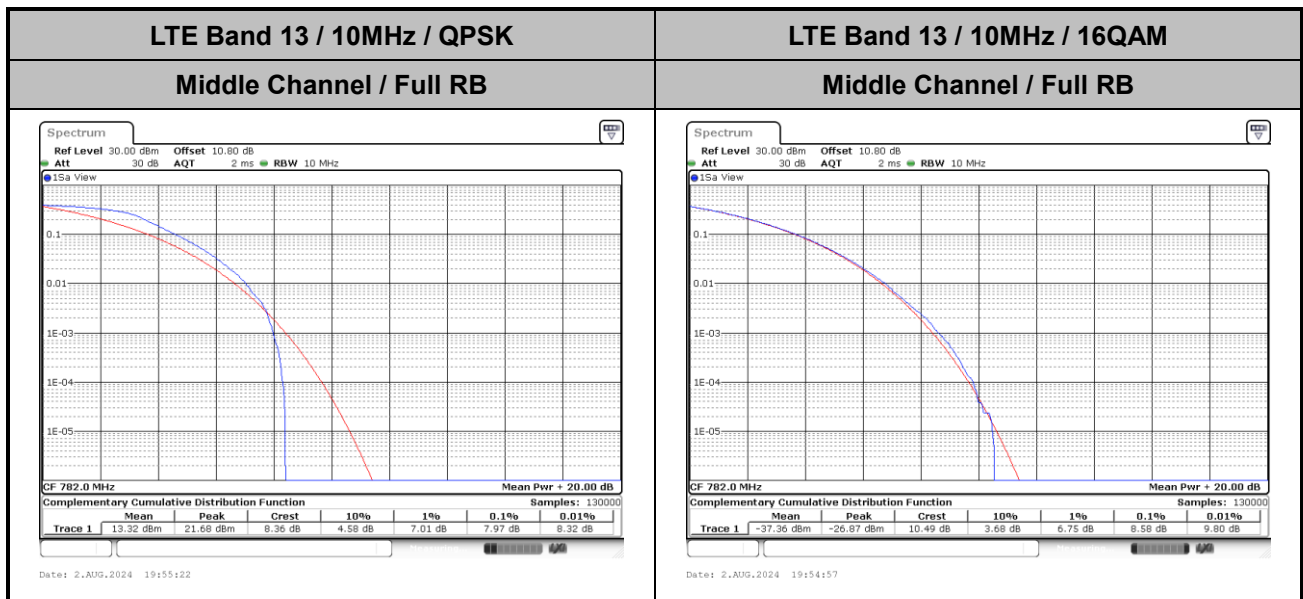
Note: Normal Voltage = 110 V. ; Minimum Voltage = 90 V. ; Maximum Voltage = 264 V.



LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	7.97	8.58	PASS





26dB Bandwidth

Mode	LTE Band 13 : 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	-	-	-	-	1.30	1.19	1.77	1.61	-	-	-	-