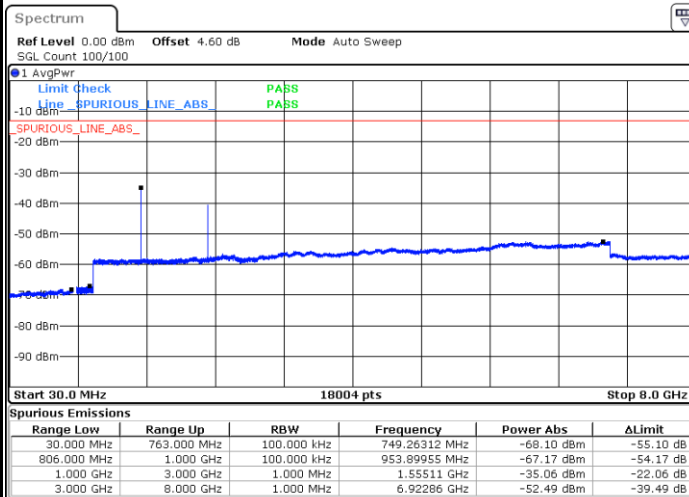




Conducted Spurious Emission

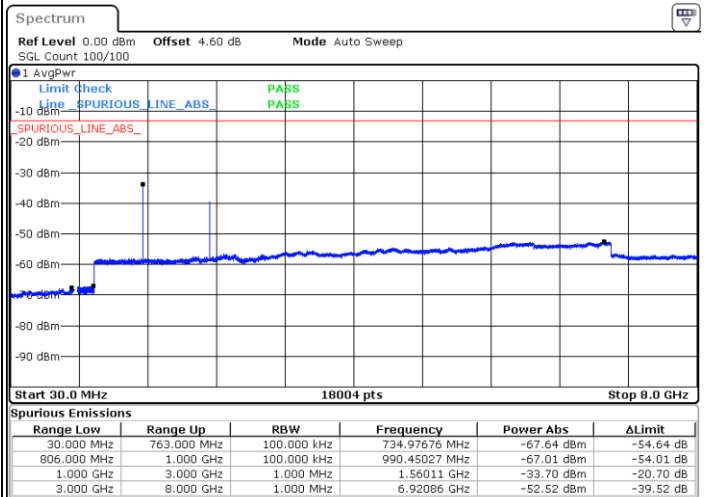
LTE Band 13 / 5MHz

Lowest Channel / QPSK



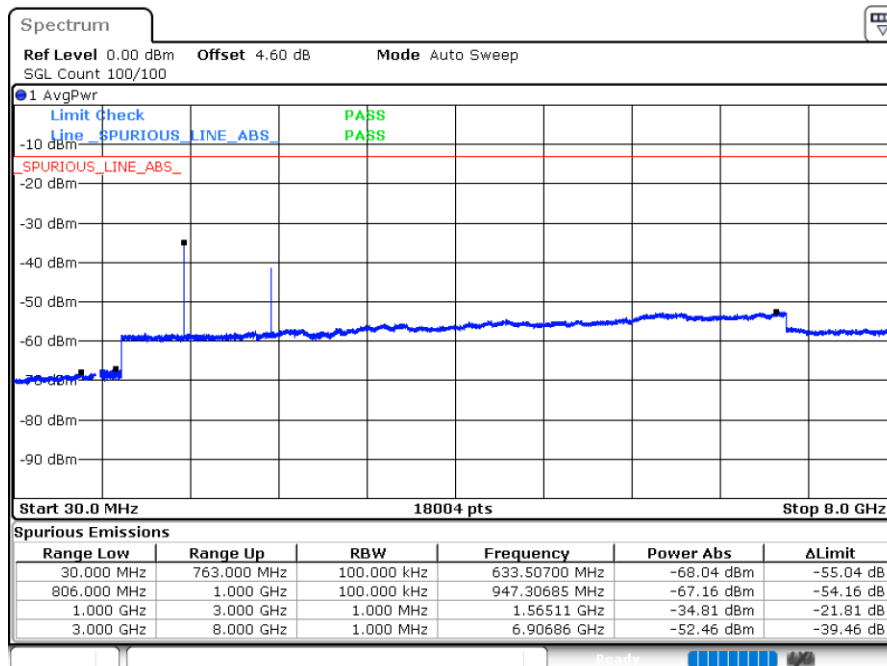
Date: 30.JUL.2023 13:28:20

Middle Channel / QPSK



Date: 30.JUL.2023 13:30:00

Highest Channel / QPSK

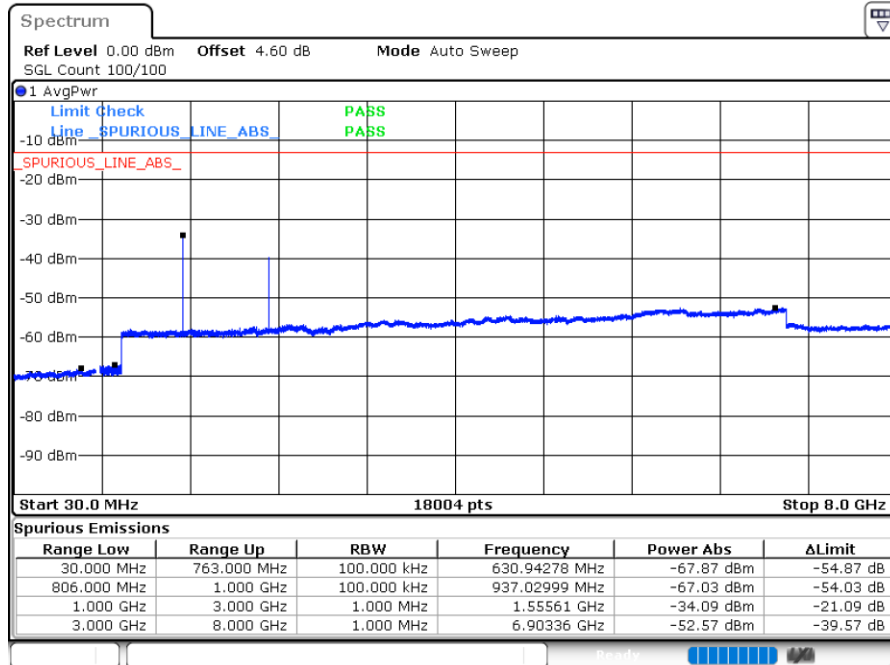


Date: 30.JUL.2023 13:33:04



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 30 JUL 2023 13:49:21

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0058	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0039	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0062	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0046	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.5V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



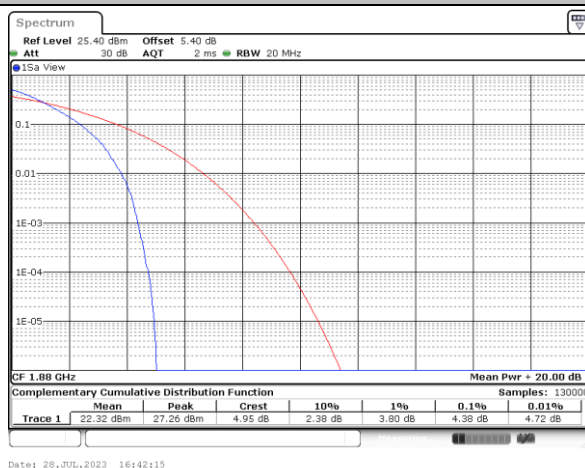
LTE Band 25

Peak-to-Average Ratio

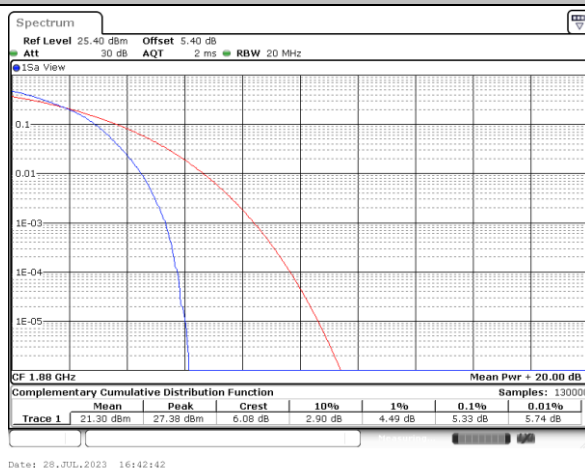
Mode	LTE Band 25 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.38	5.33	PASS

LTE Band 25 / 20MHz

Middle Channel / Full RB/ QPSK



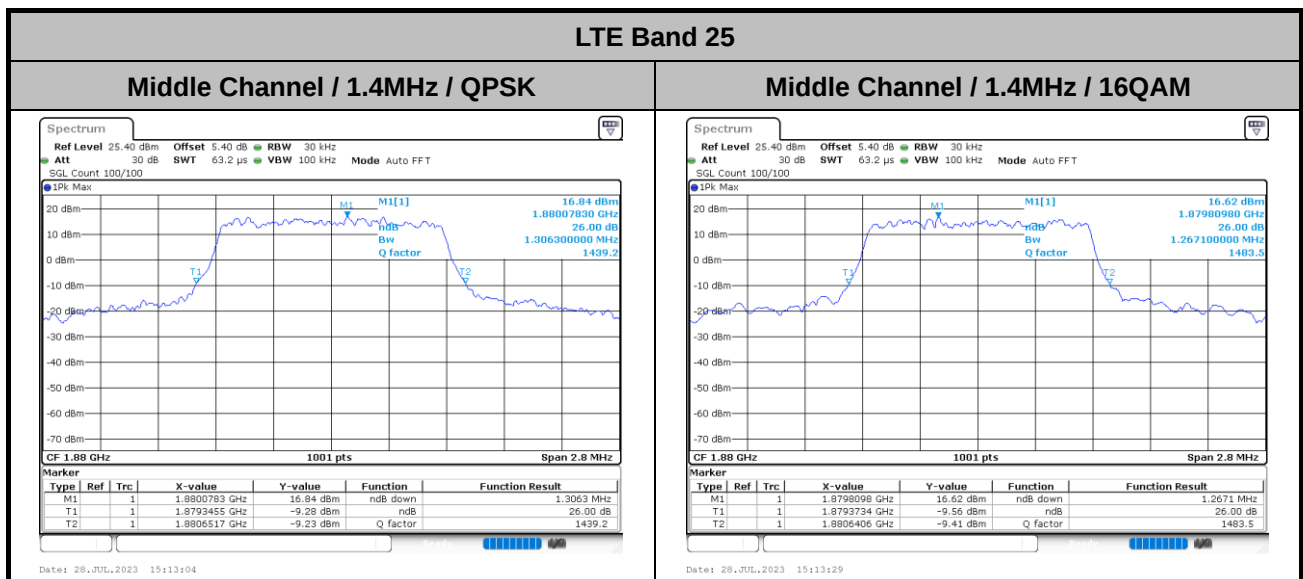
Middle Channel / Full RB/ 16QAM





26dB Bandwidth

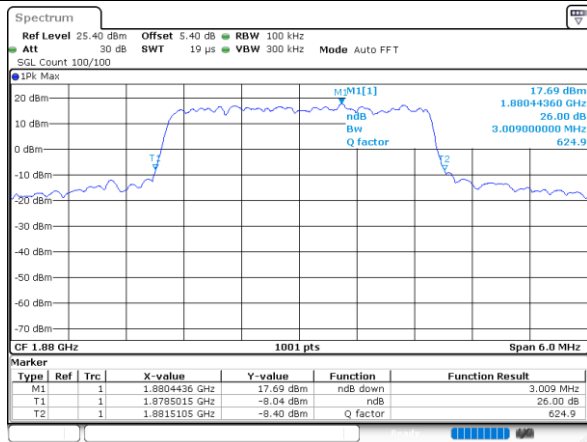
Mode	LTE Band 25 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.31	1.27
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.01	3.02
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.83	4.92
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.77	9.95
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.30	14.72
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.06	19.14



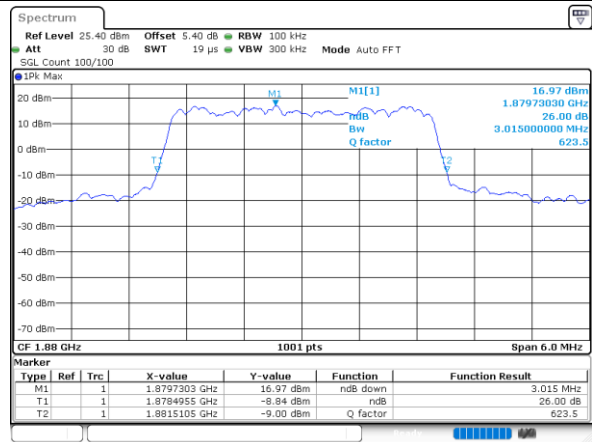


LTE Band 25

Middle Channel / 3MHz / QPSK

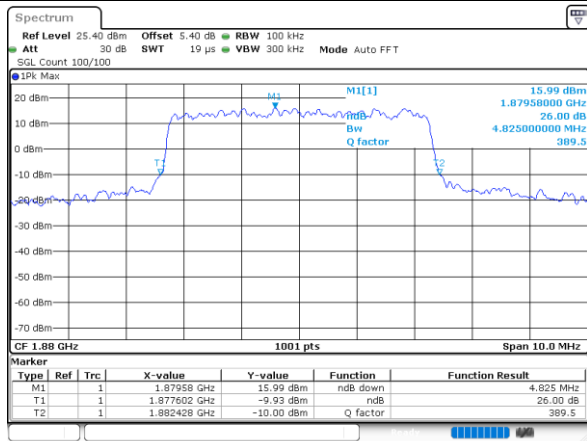


Middle Channel / 3MHz / 16QAM

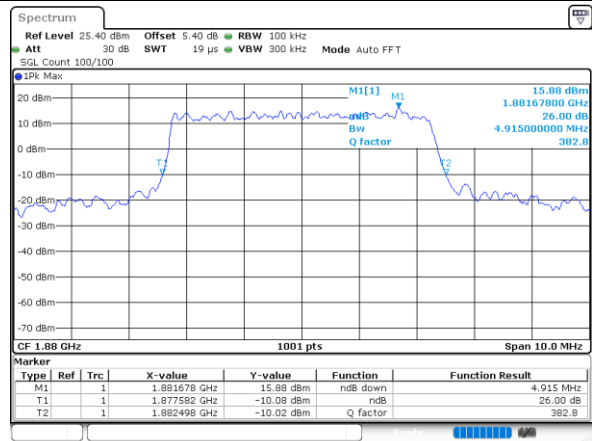


LTE Band 25

Middle Channel / 5MHz / QPSK

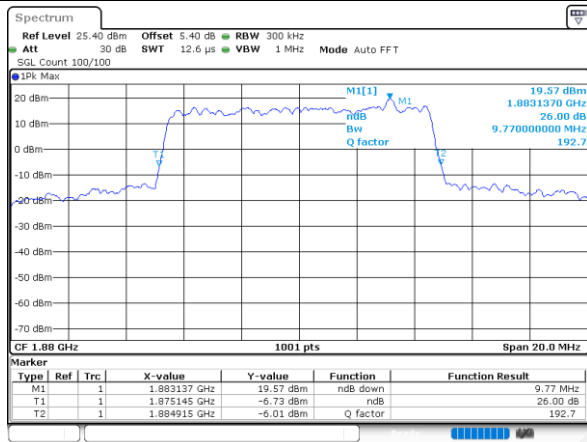


Middle Channel / 5MHz / 16QAM

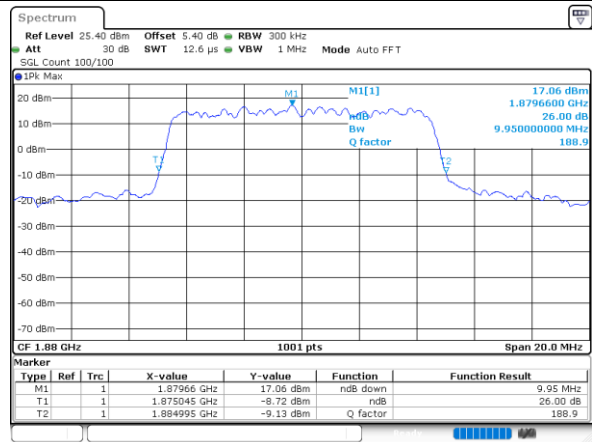


LTE Band 25

Middle Channel / 10MHz / QPSK



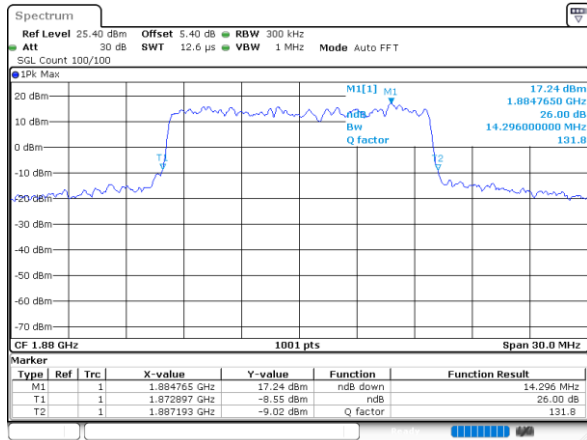
Middle Channel / 10MHz / 16QAM



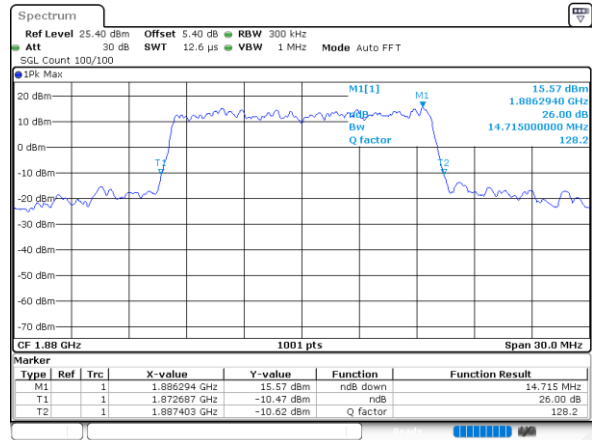


LTE Band 25

Middle Channel / 15MHz / QPSK

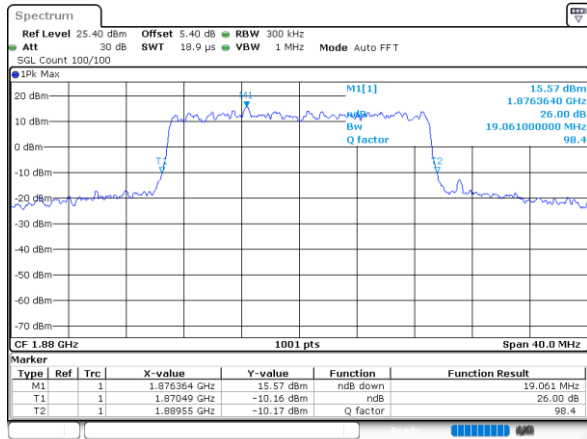


Middle Channel / 15MHz / 16QAM

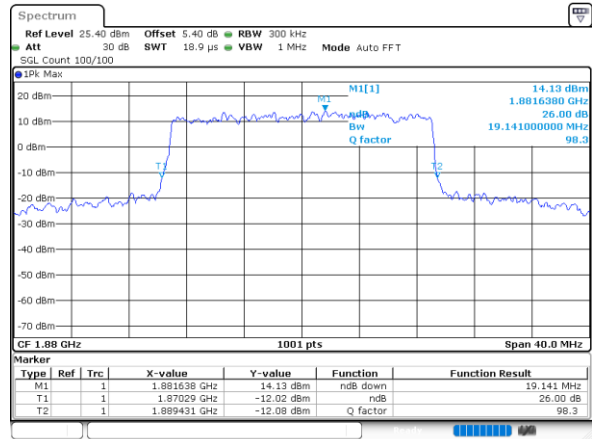


LTE Band 25

Middle Channel / 20MHz / QPSK



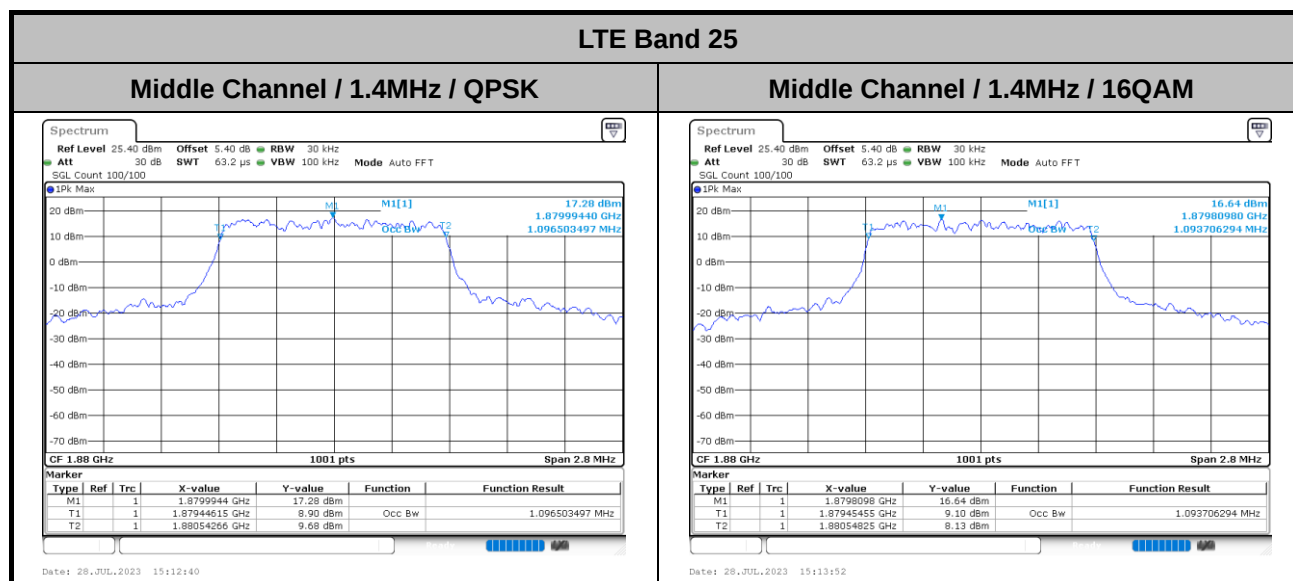
Middle Channel / 20MHz / 16QAM





Occupied Bandwidth

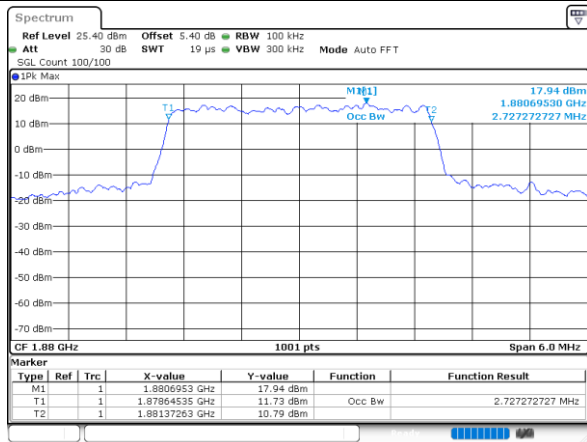
Mode	LTE Band 25 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.10	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.73	2.72
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	8.99	9.05
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.49
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.98



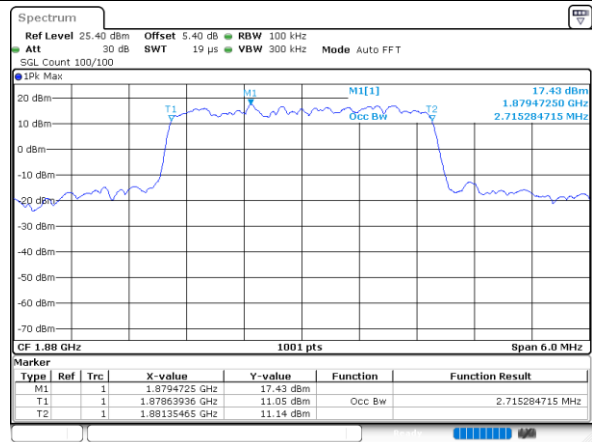


LTE Band 25

Middle Channel / 3MHz / QPSK

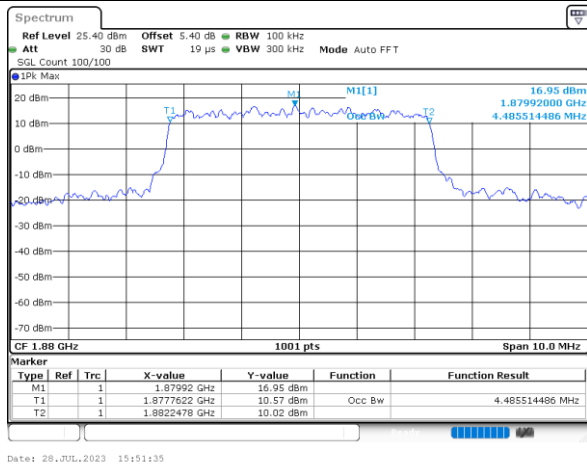


Middle Channel / 3MHz / 16QAM

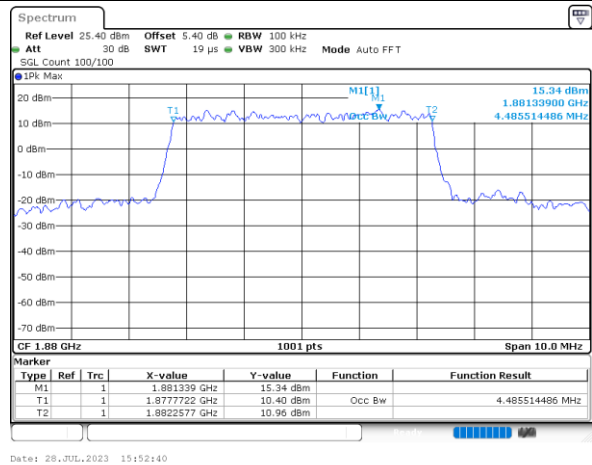


LTE Band 25

Middle Channel / 5MHz / QPSK

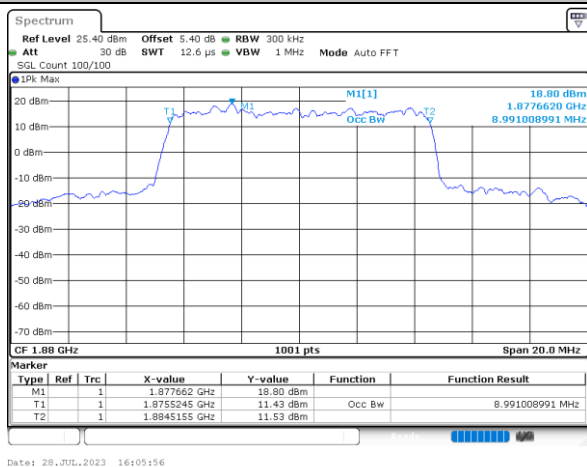


Middle Channel / 5MHz / 16QAM

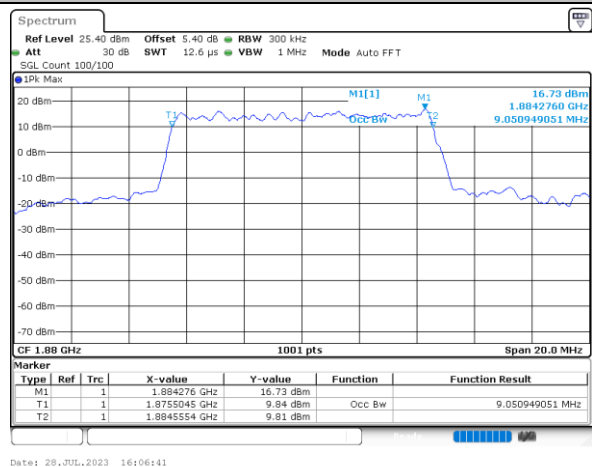


LTE Band 25

Middle Channel / 10MHz / QPSK



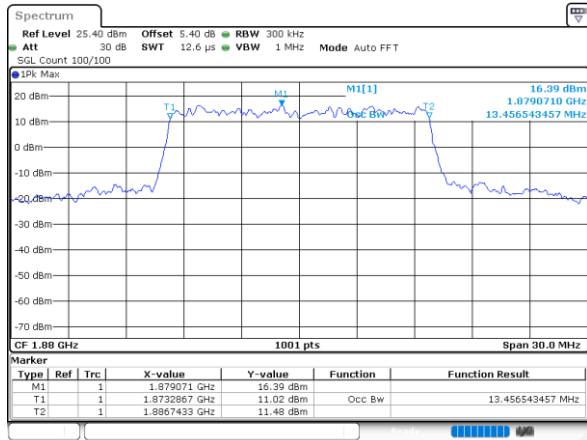
Middle Channel / 10MHz / 16QAM



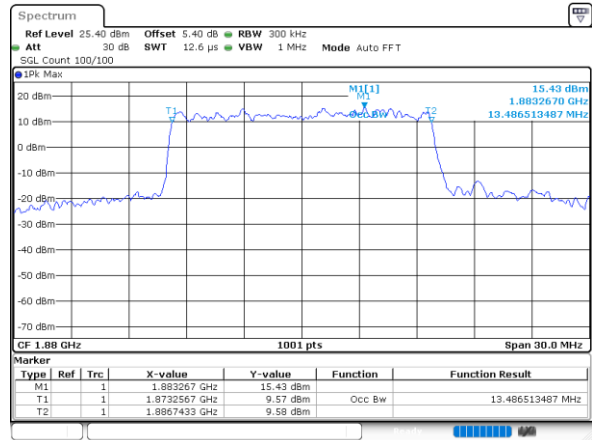


LTE Band 25

Middle Channel / 15MHz / QPSK

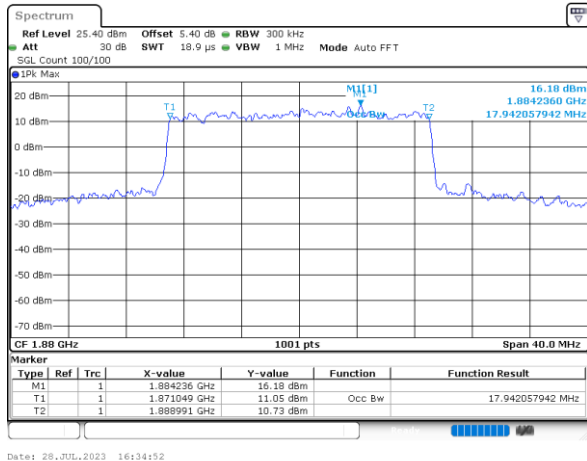


Middle Channel / 15MHz / 16QAM

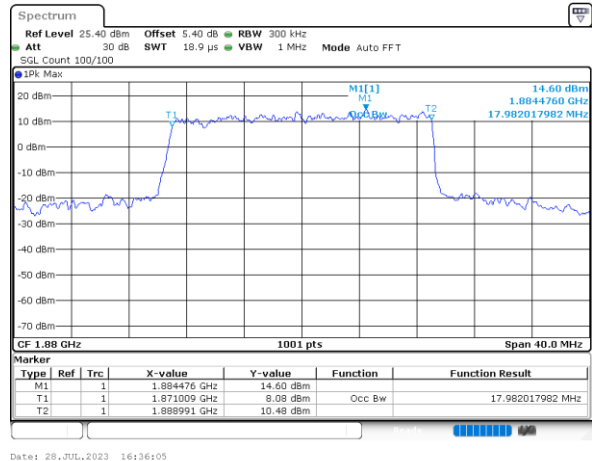


LTE Band 25

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

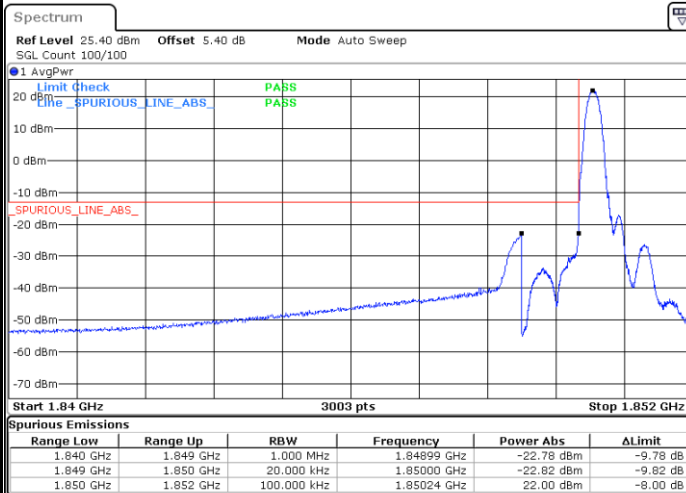




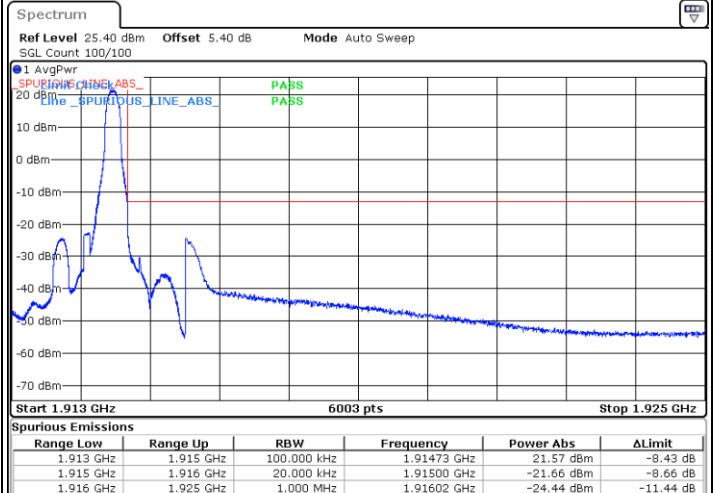
Conducted Band Edge

LTE Band 25 / 1.4MHz / QPSK

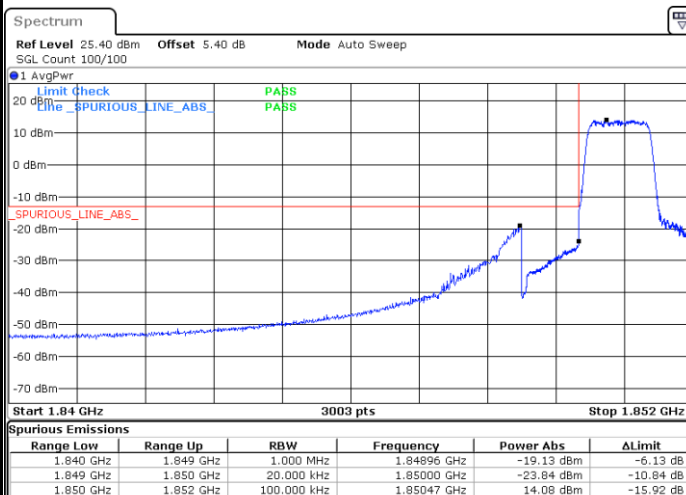
Lowest Band Edge / 1RB



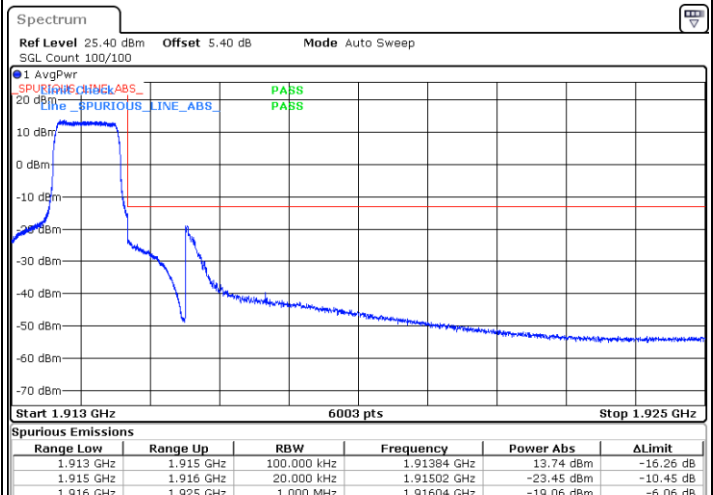
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



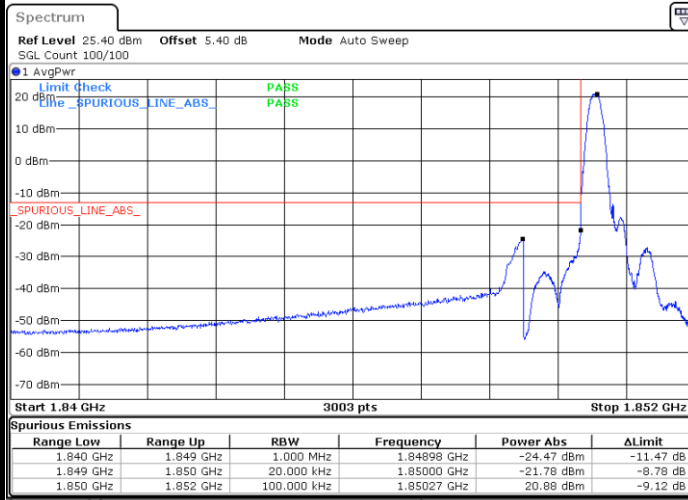
Highest Band Edge / Full RB



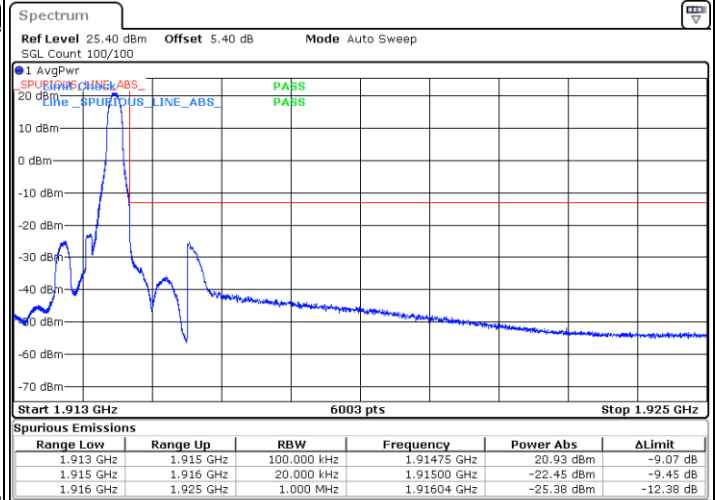


LTE Band 25 / 1.4MHz / 16QAM

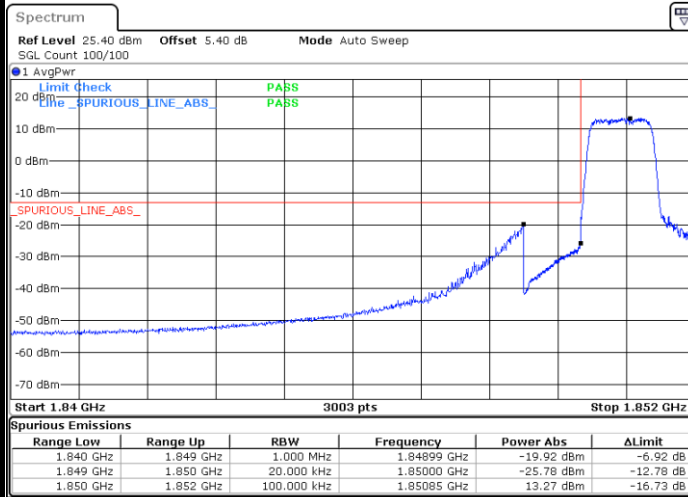
Lowest Band Edge / 1 RB



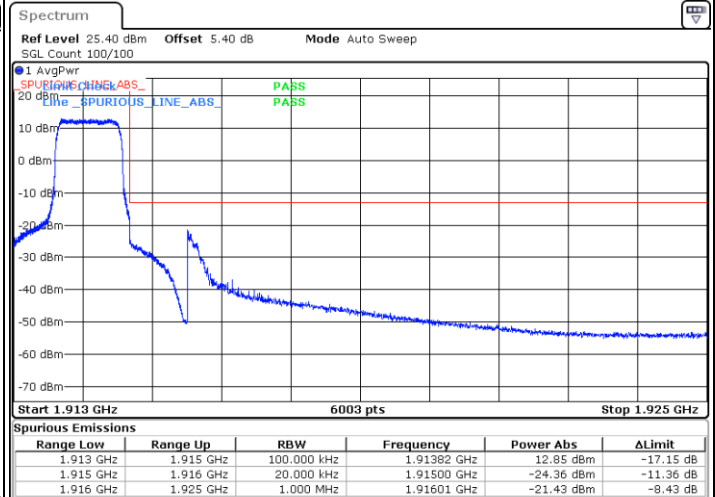
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



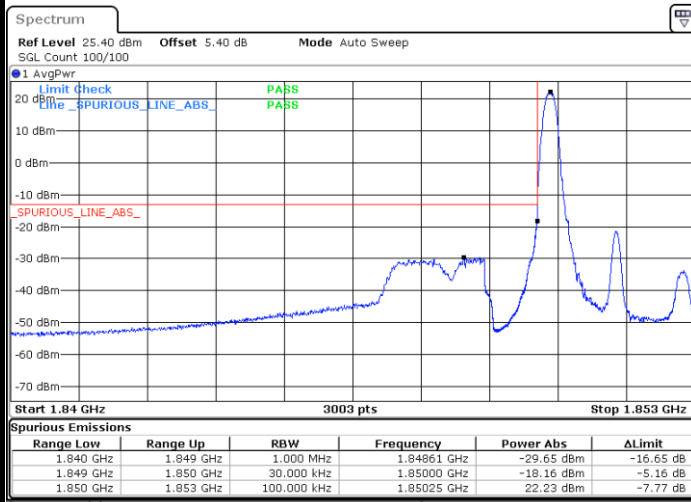
Highest Band Edge / Full RB



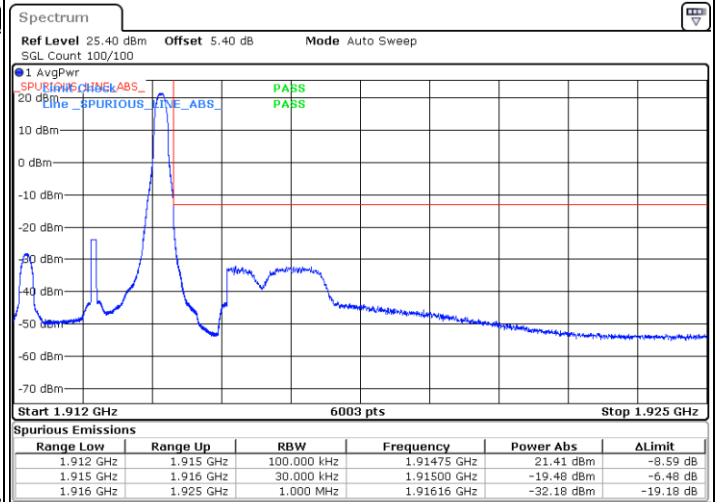


LTE Band 25 / 3MHz / QPSK

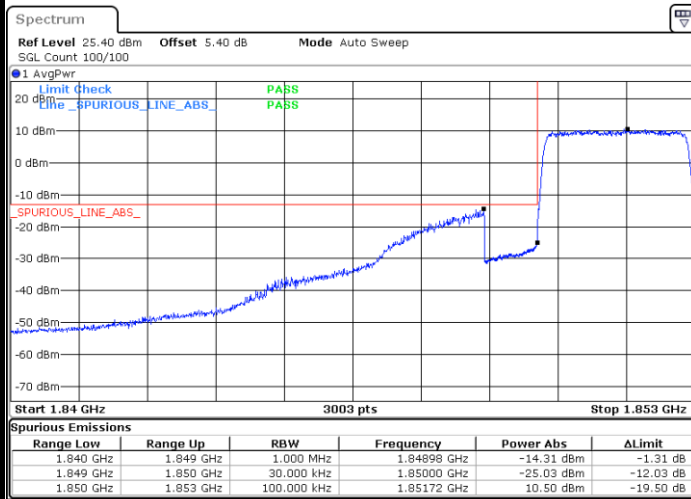
Lowest Band Edge / 1RB



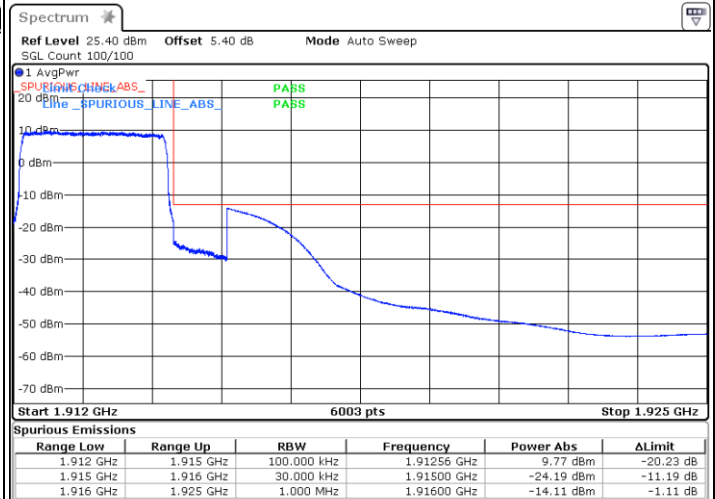
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



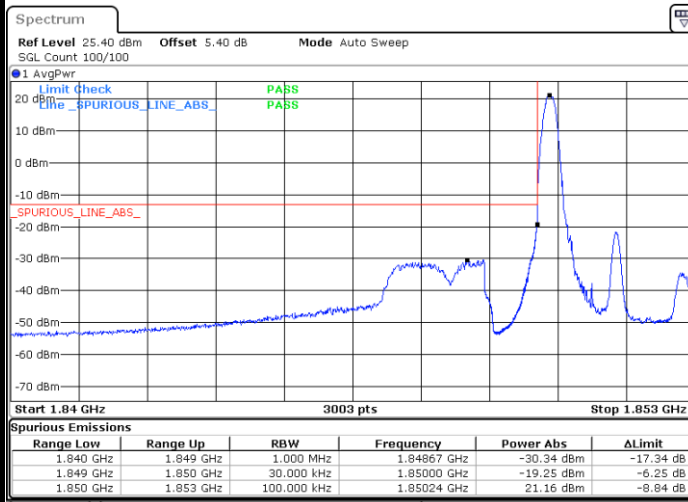
Highest Band Edge / Full RB



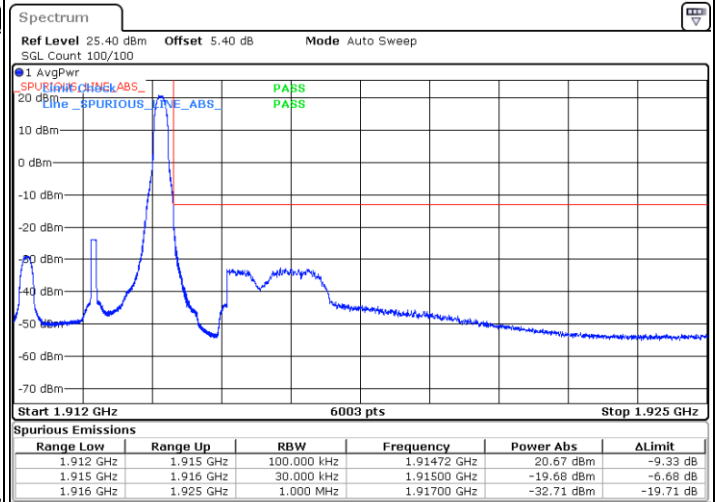


LTE Band 25 / 3MHz / 16QAM

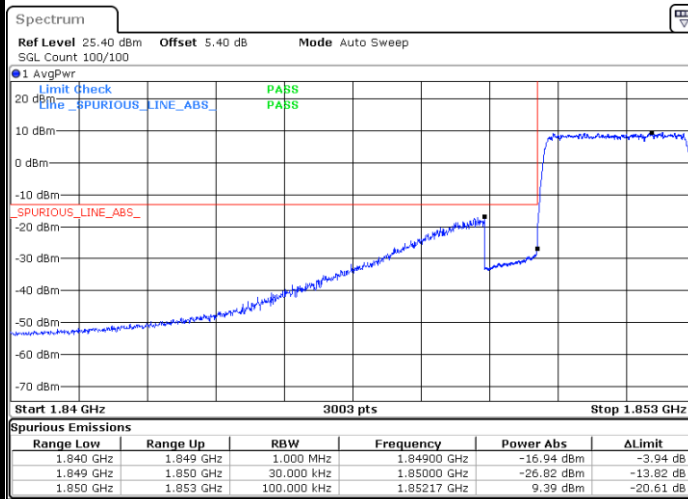
Lowest Band Edge / 1 RB



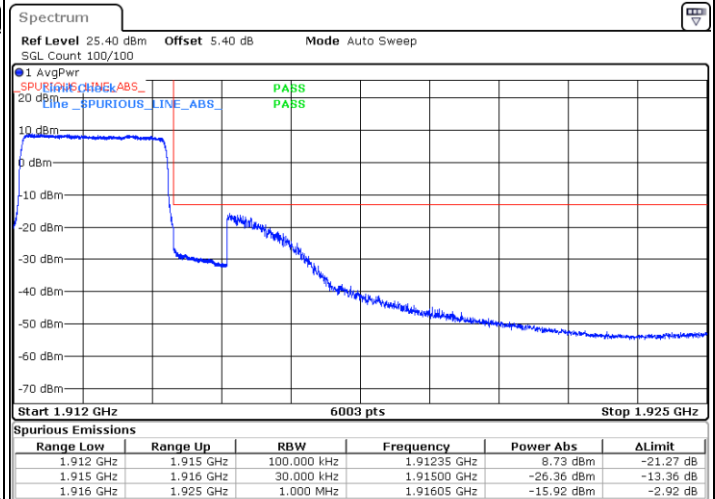
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



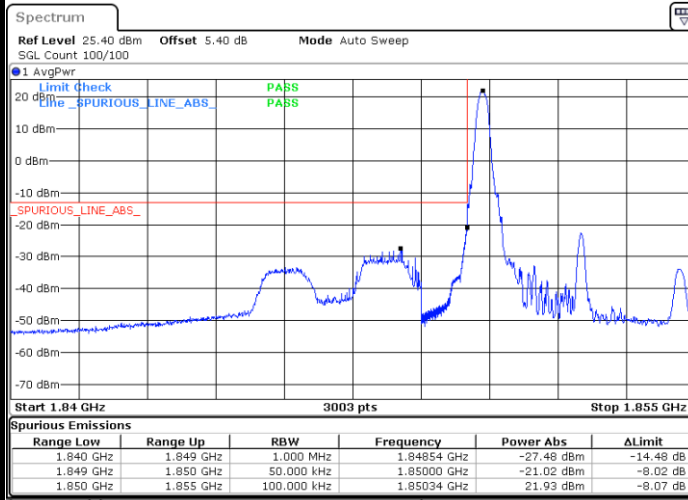
Highest Band Edge / Full RB



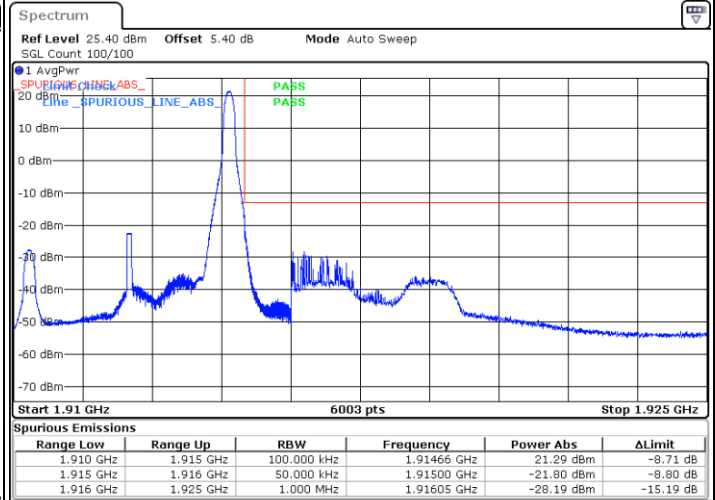


LTE Band 25 / 5MHz / QPSK

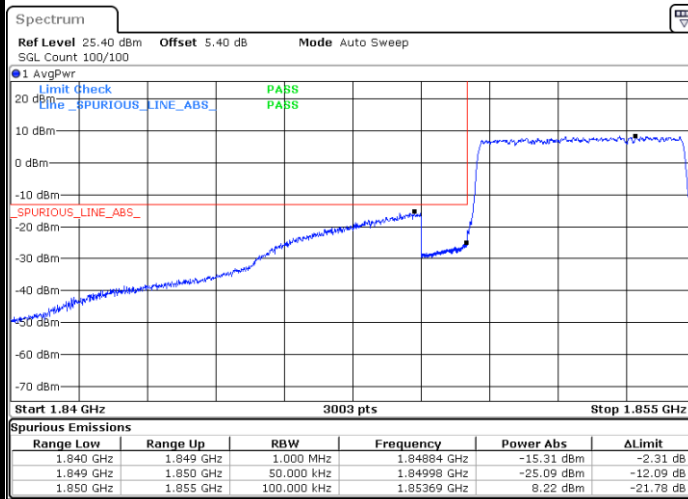
Lowest Band Edge / 1 RB



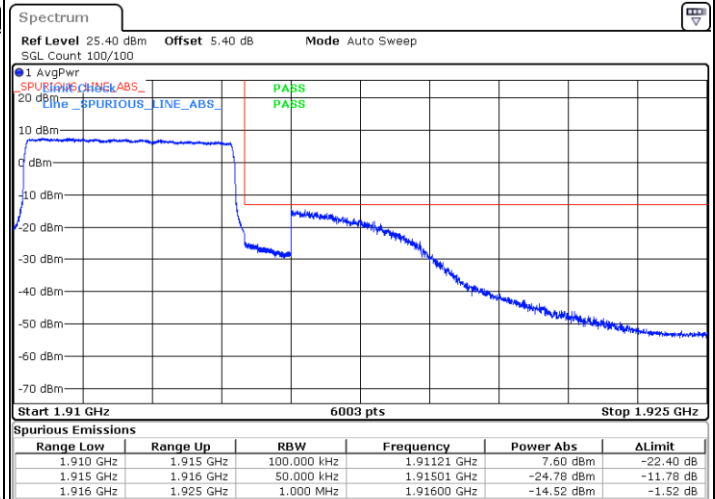
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



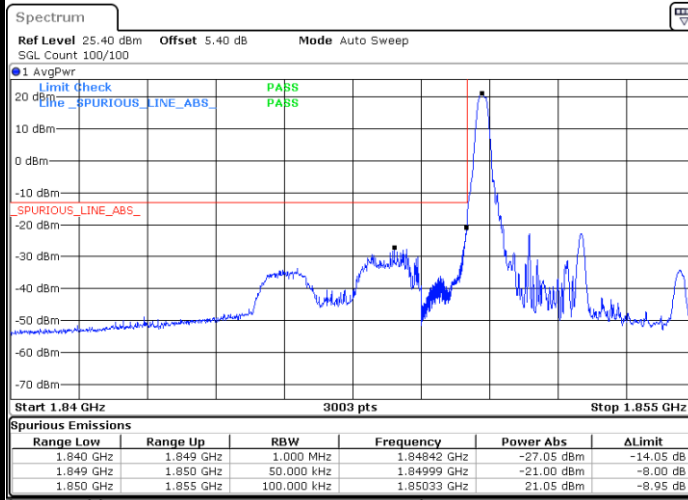
Highest Band Edge / Full RB



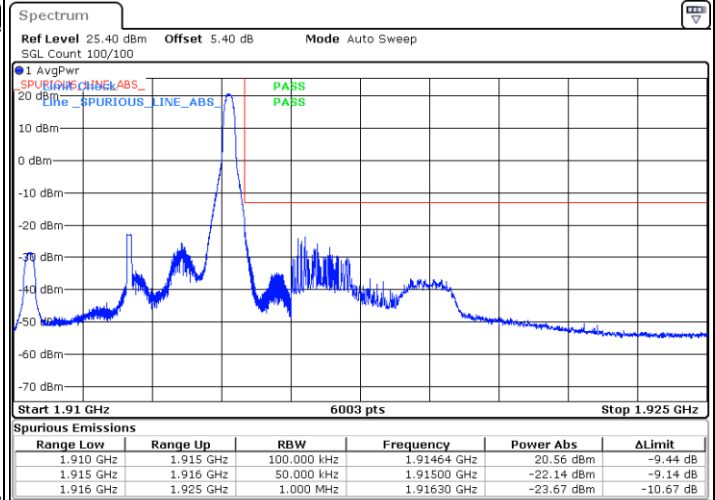


LTE Band 25 / 5MHz / 16QAM

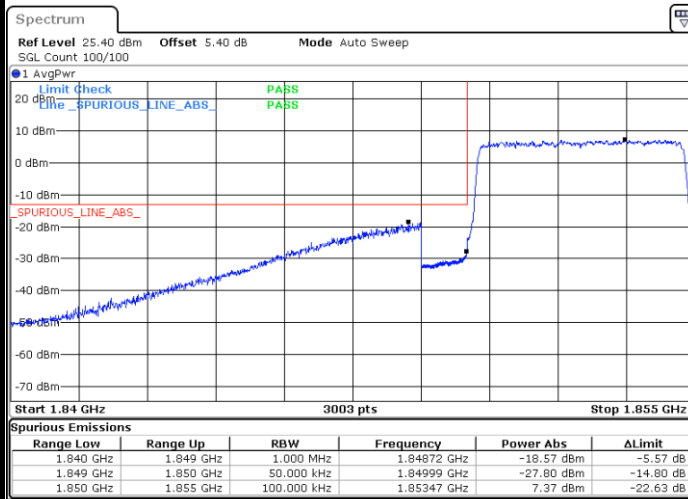
Lowest Band Edge / 1RB



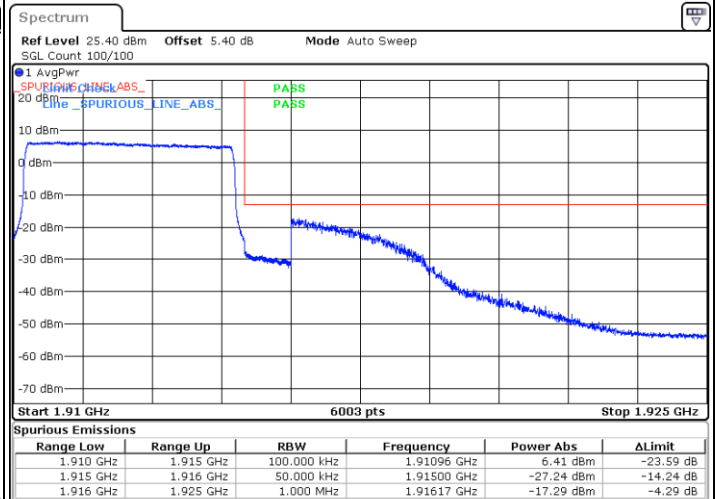
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



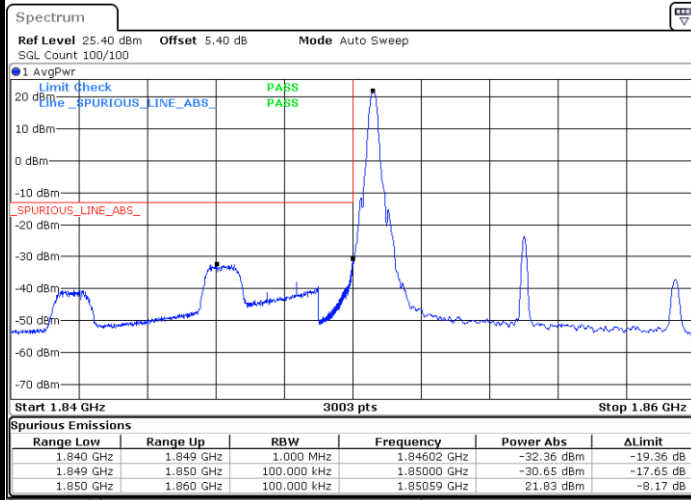
Highest Band Edge / Full RB



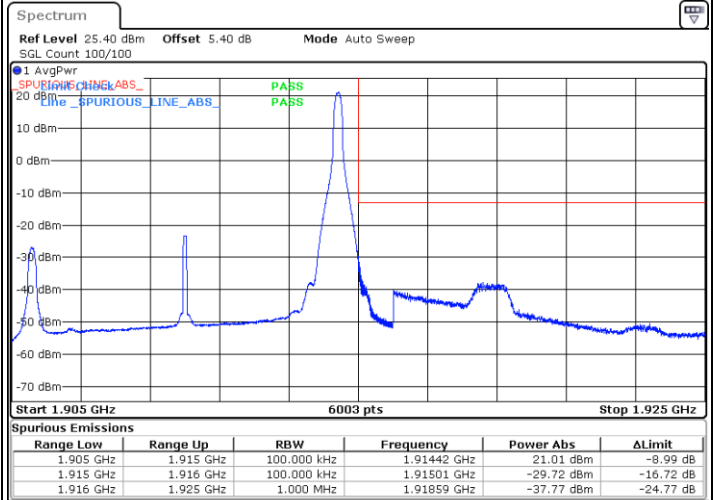


LTE Band 25 / 10MHz / QPSK

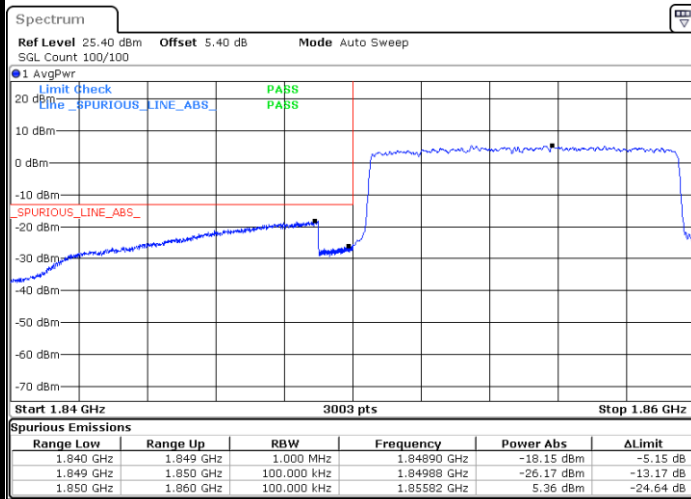
Lowest Band Edge / 1 RB



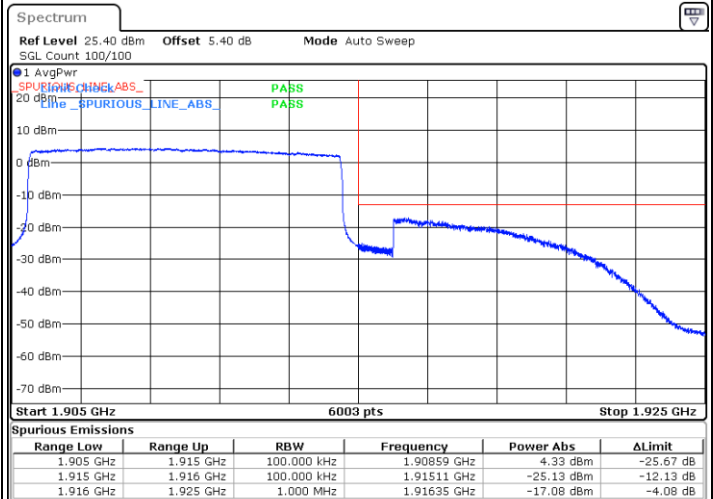
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



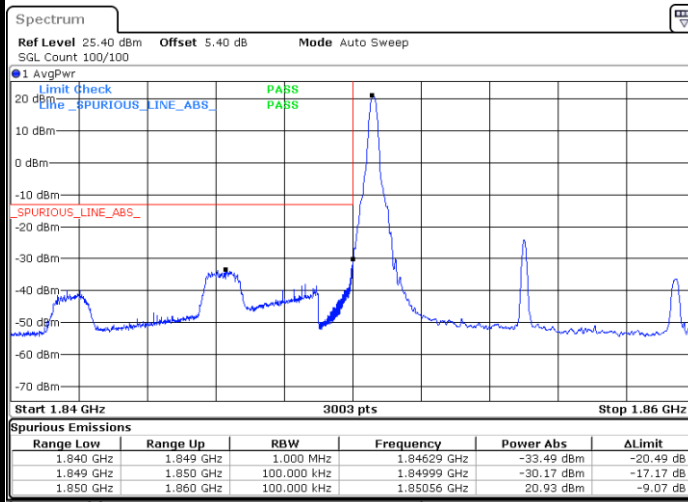
Highest Band Edge / Full RB



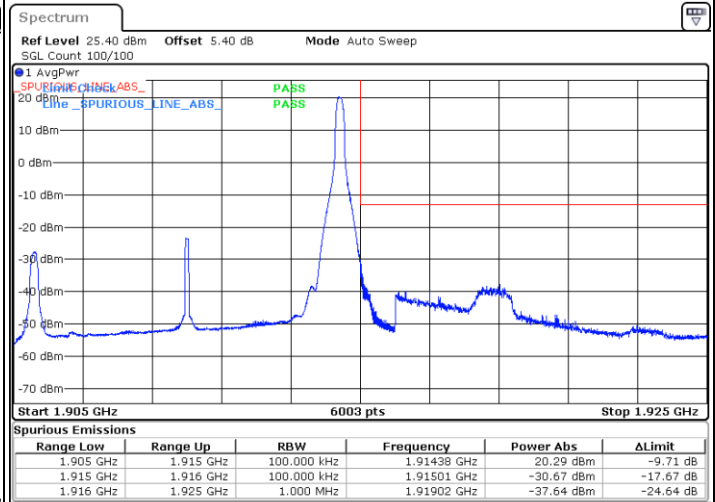


LTE Band 25 / 10MHz / 16QAM

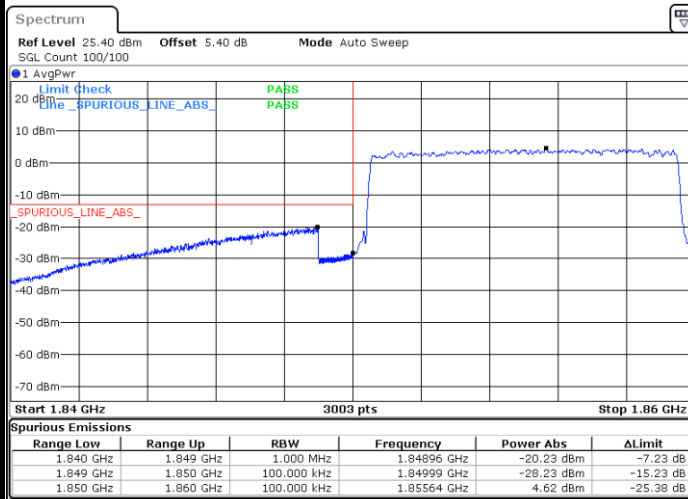
Lowest Band Edge / 1 RB



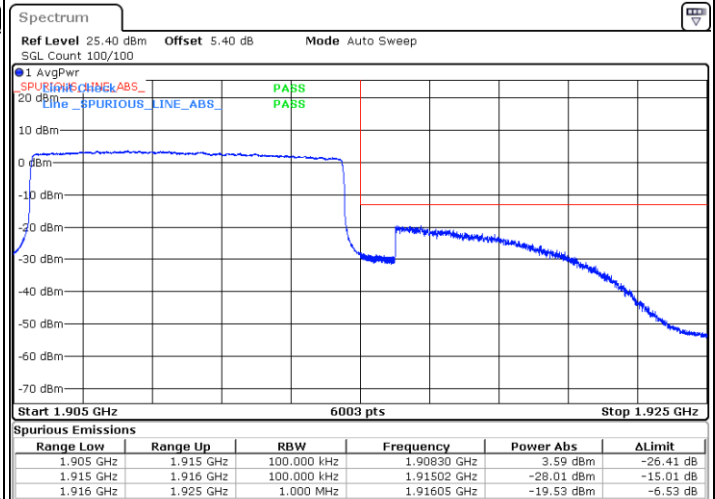
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



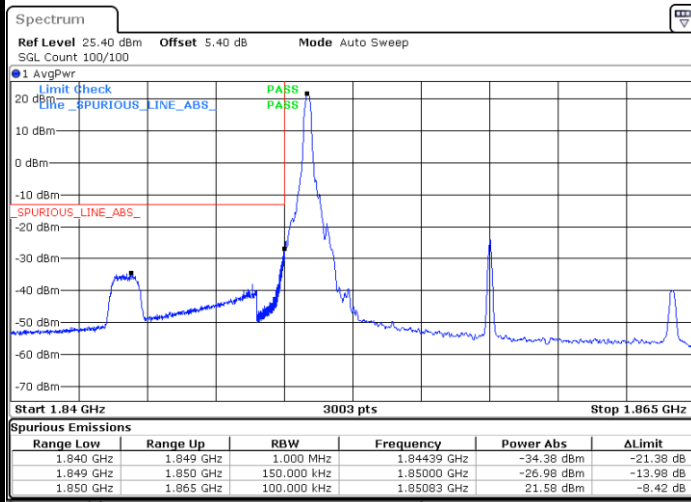
Highest Band Edge / Full RB



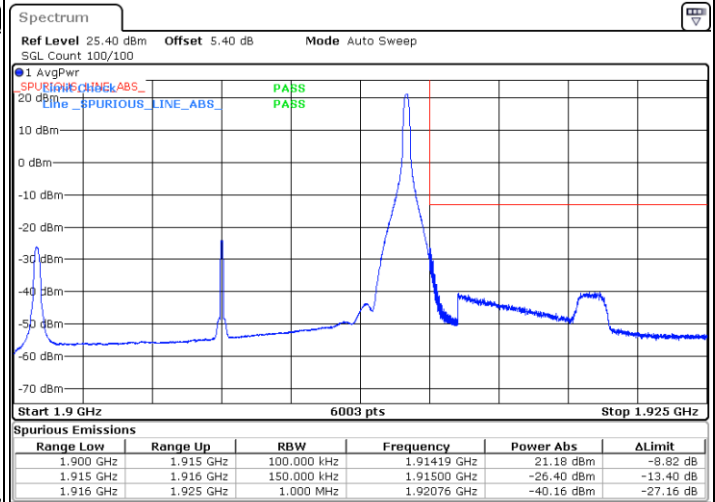


LTE Band 25 / 15MHz / QPSK

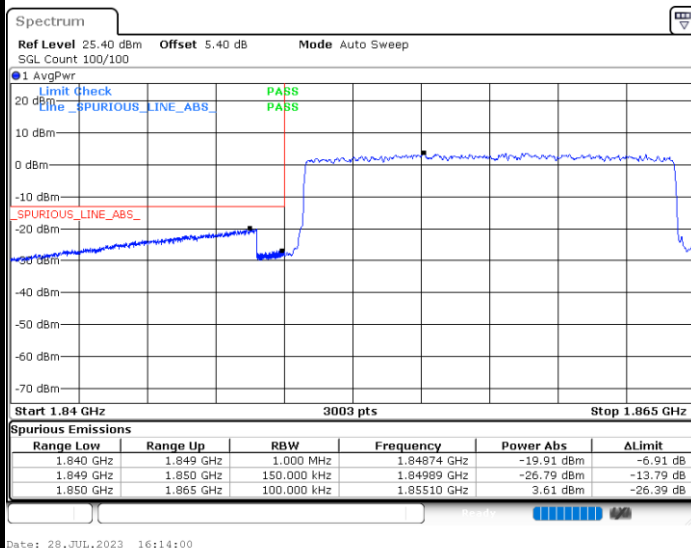
Lowest Band Edge / 1 RB



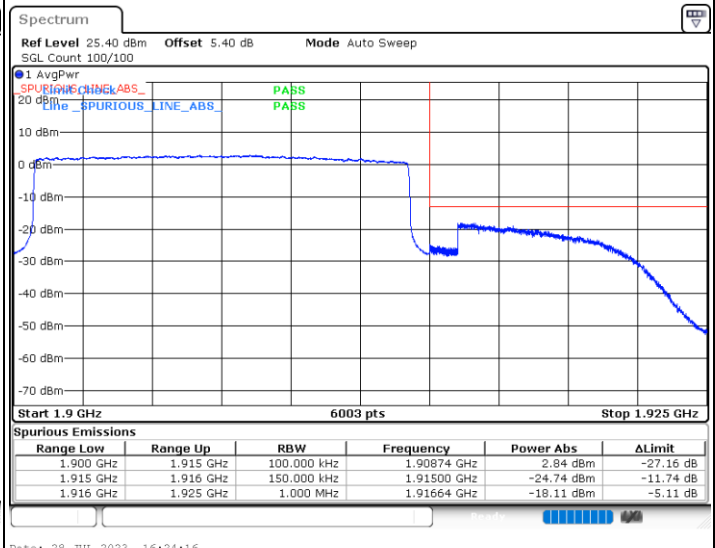
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



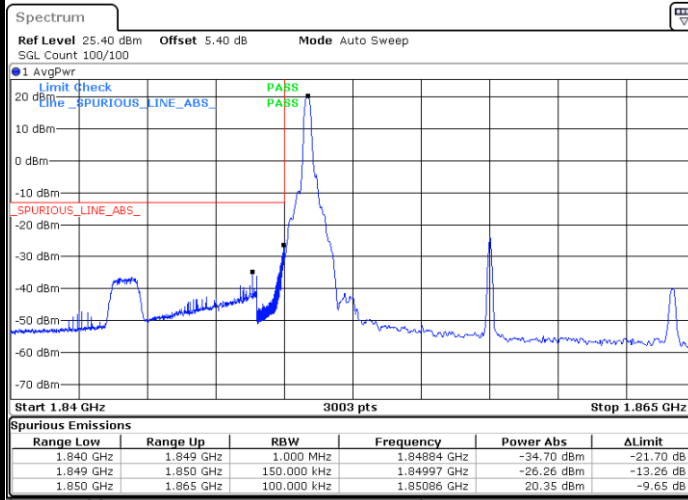
Highest Band Edge / Full RB



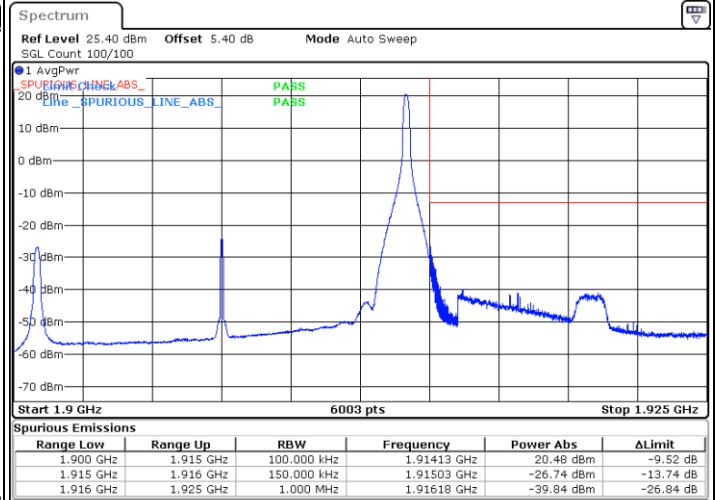


LTE Band 25 / 15MHz / 16QAM

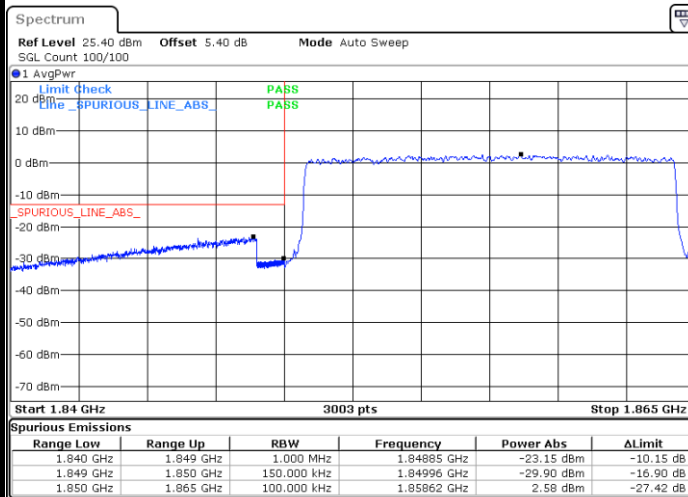
Lowest Band Edge / 1 RB



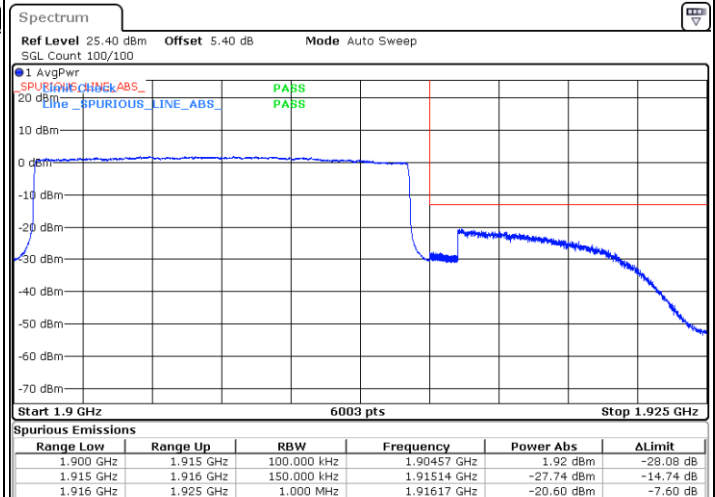
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



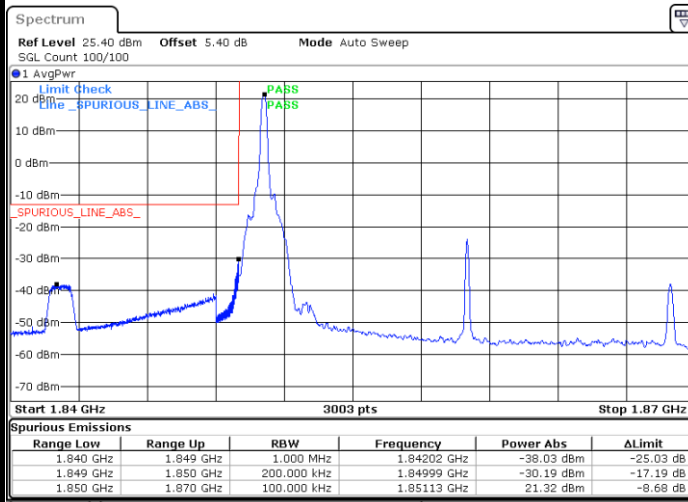
Highest Band Edge / Full RB



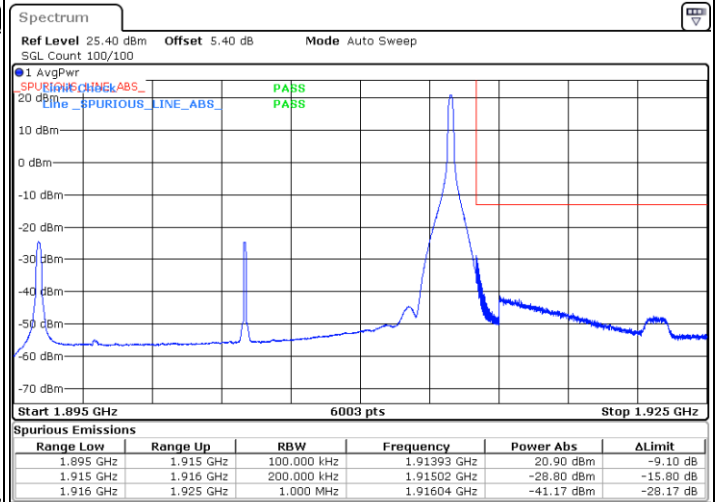


LTE Band 25 / 20MHz / QPSK

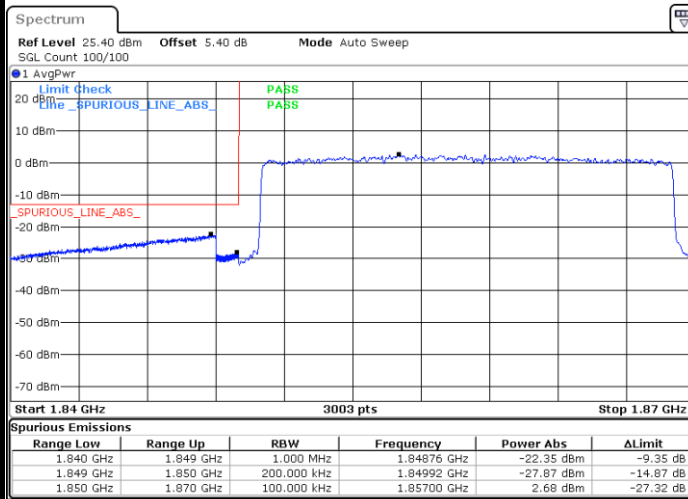
Lowest Band Edge / 1 RB



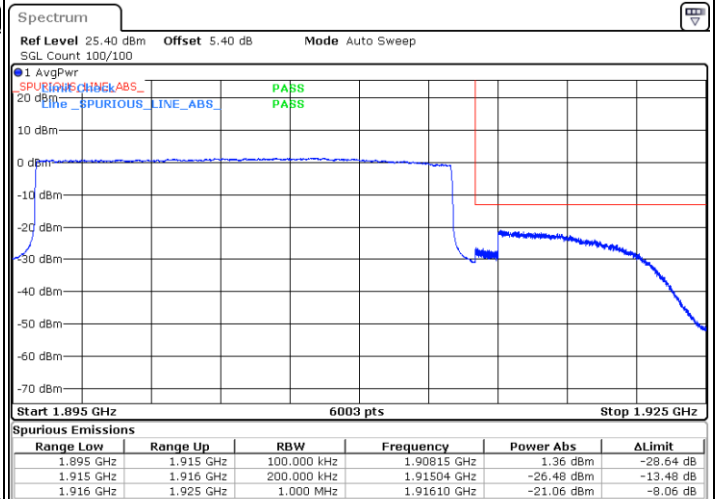
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



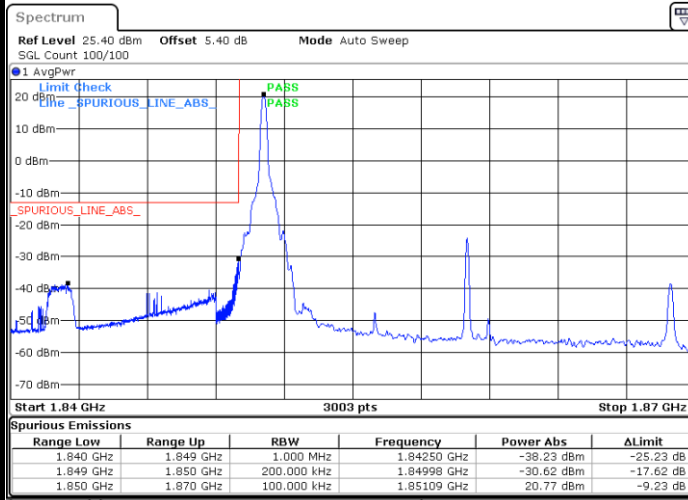
Highest Band Edge / Full RB



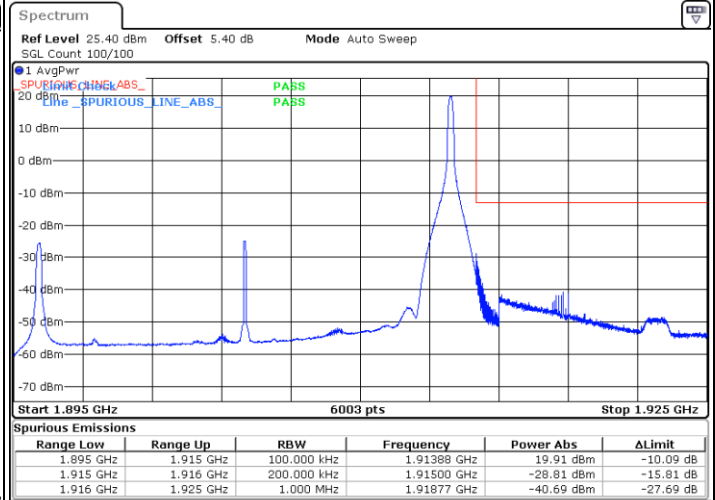


LTE Band 25 / 20MHz / 16QAM

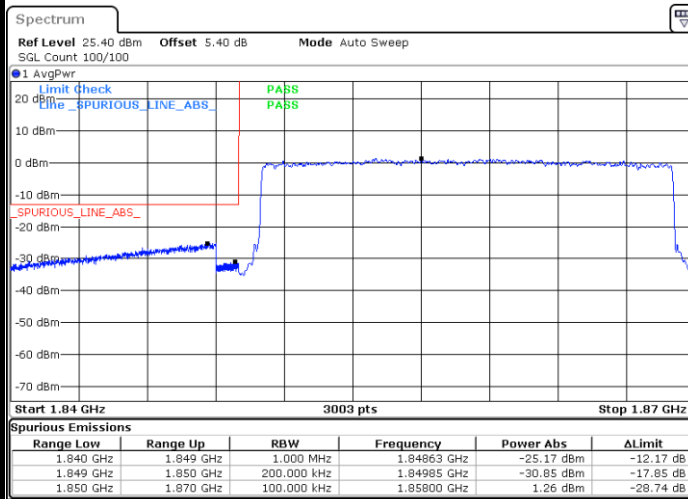
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

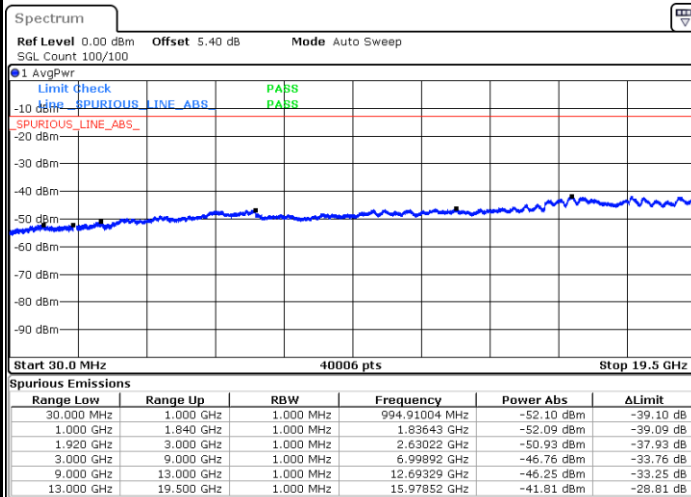




Conducted Spurious Emission

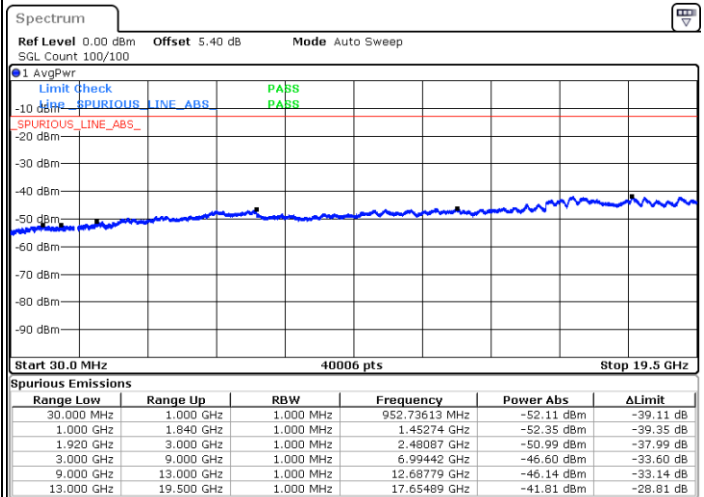
LTE Band 25 / 1.4MHz

Lowest Channel / QPSK



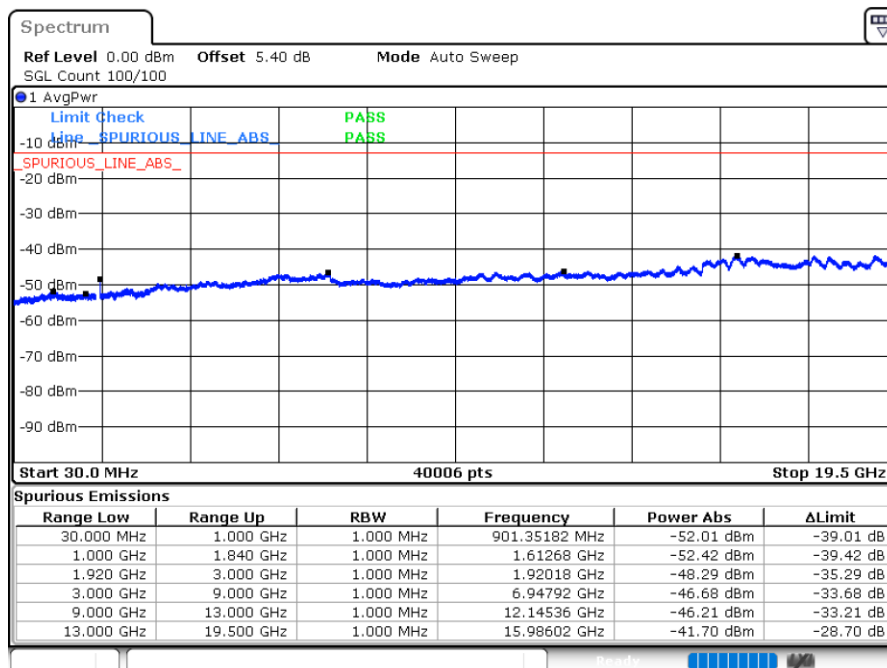
Date: 28.JUL.2023 15:06:00

Middle Channel / QPSK



Date: 28.JUL.2023 15:15:18

Highest Channel / QPSK

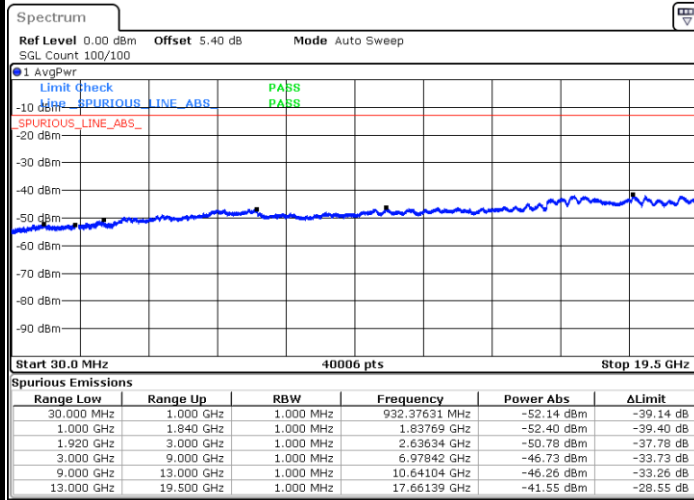


Date: 28.JUL.2023 15:16:40



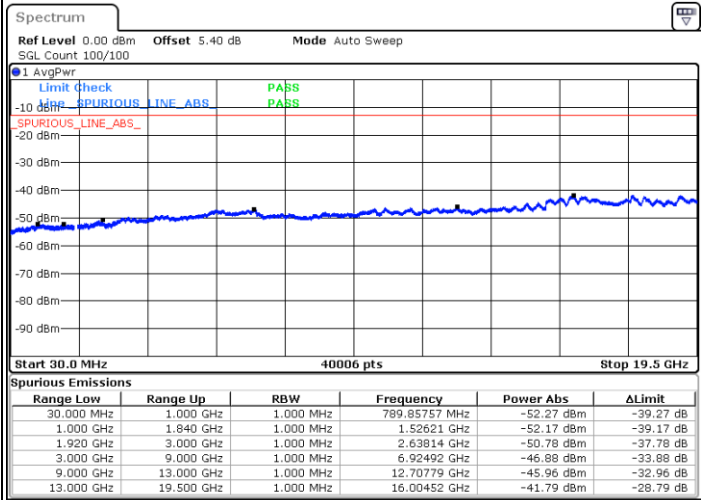
LTE Band 25 / 3MHz

Lowest Channel / QPSK



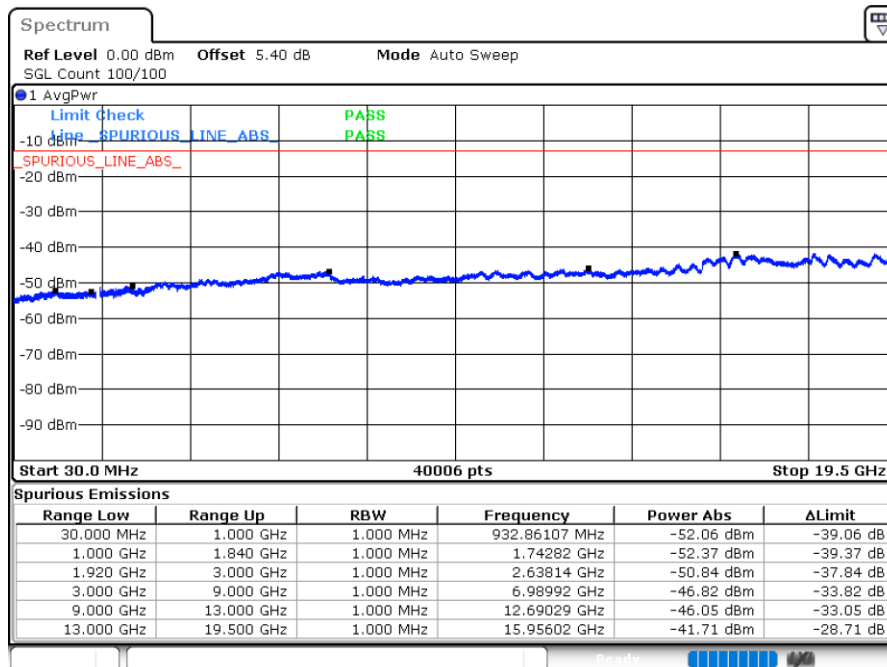
Date: 28.JUL.2023 15:28:06

Middle Channel / QPSK



Date: 28.JUL.2023 15:34:02

Highest Channel / QPSK

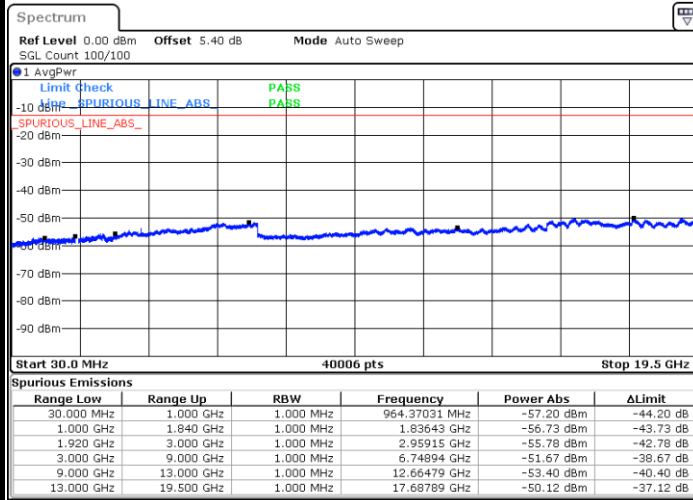


Date: 28.JUL.2023 15:35:23



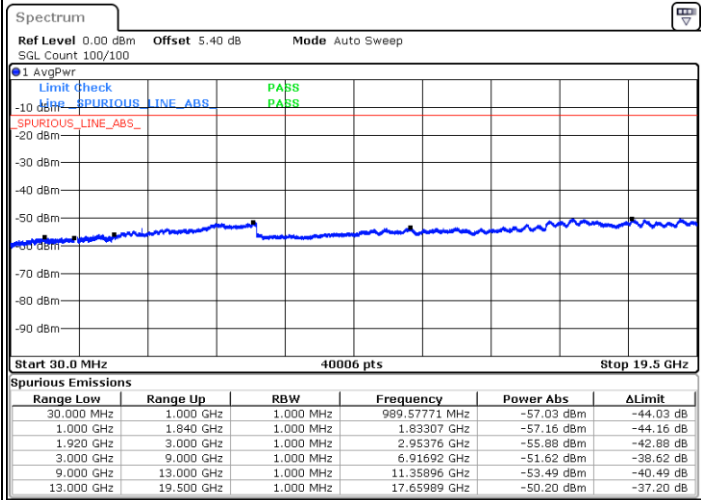
LTE Band 25 / 5MHz

Lowest Channel / QPSK



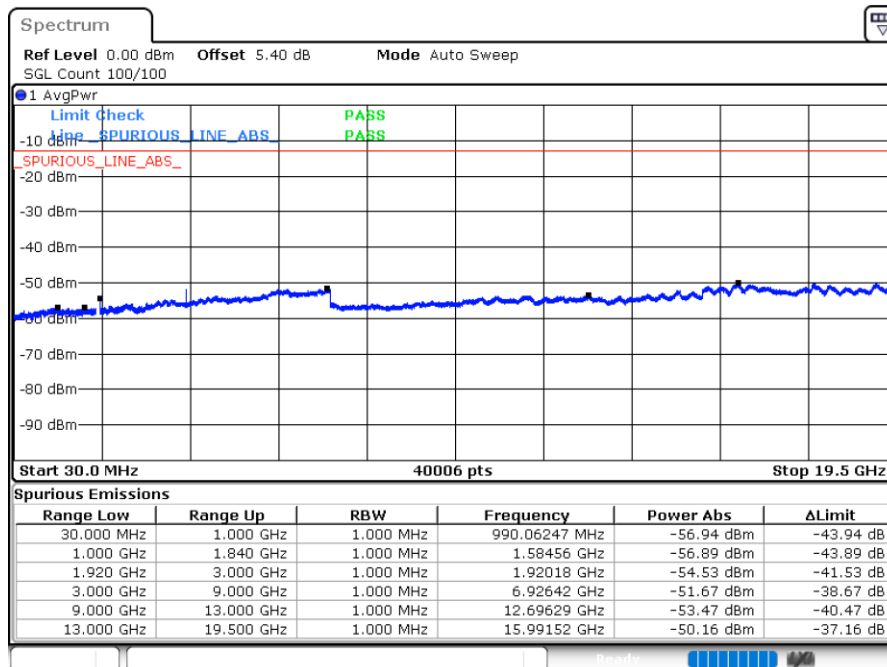
Date: 28.JUL.2023 15:47:15

Middle Channel / QPSK



Date: 28.JUL.2023 15:51:13

Highest Channel / QPSK

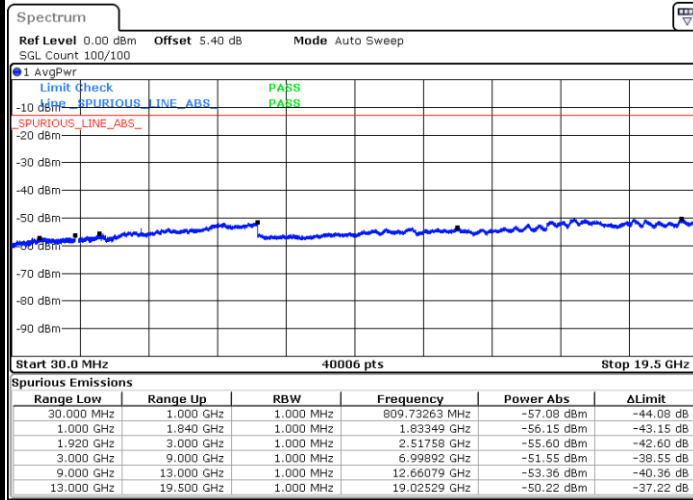


Date: 28.JUL.2023 15:54:01



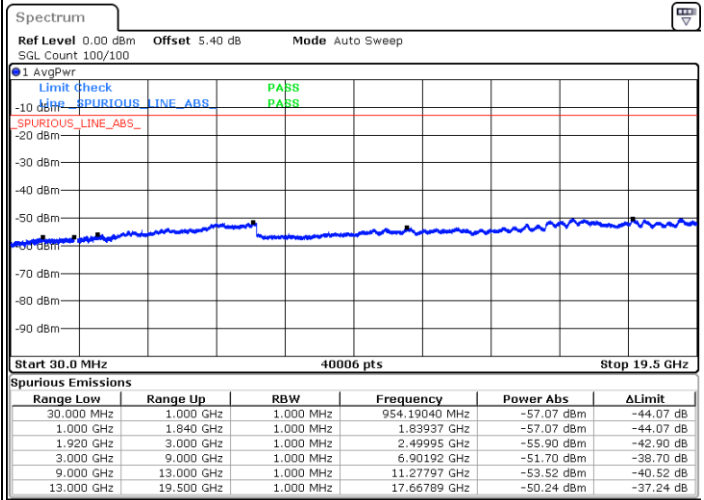
LTE Band 25 / 10MHz

Lowest Channel / QPSK



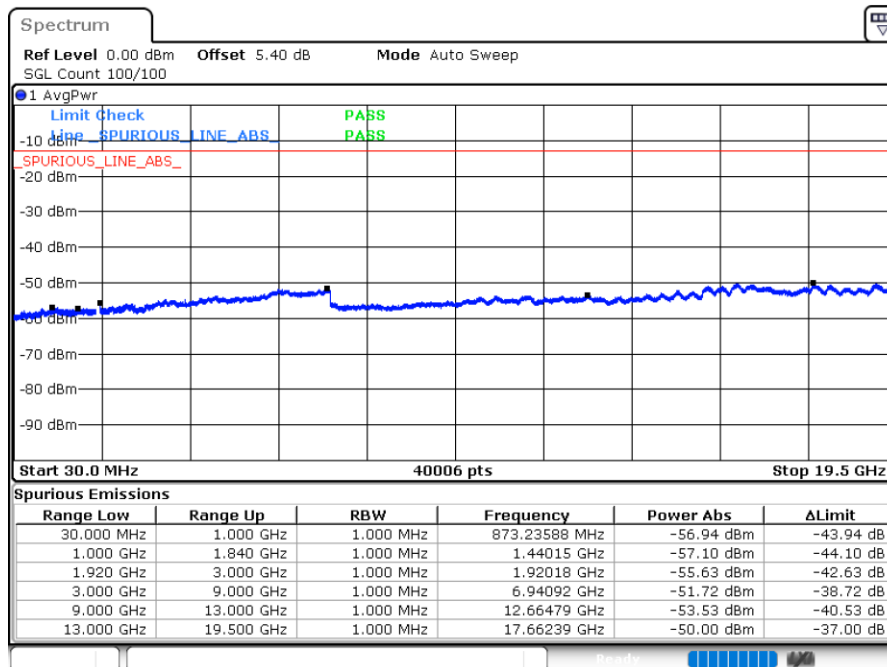
Date: 28.JUL.2023 16:03:07

Middle Channel / QPSK



Date: 28.JUL.2023 16:05:33

Highest Channel / QPSK

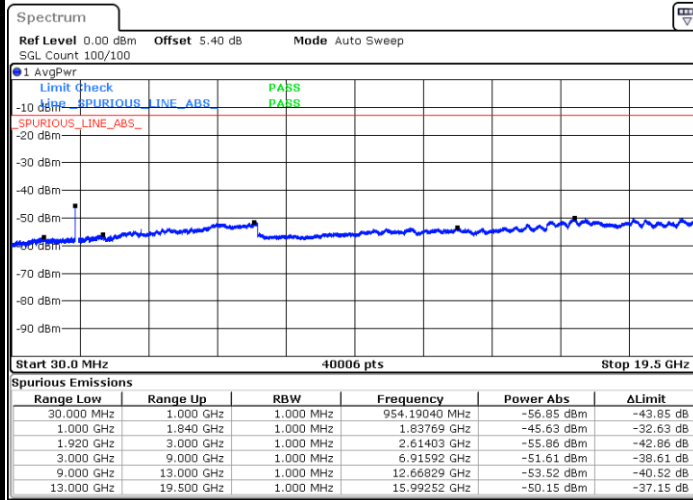


Date: 28.JUL.2023 16:08:25



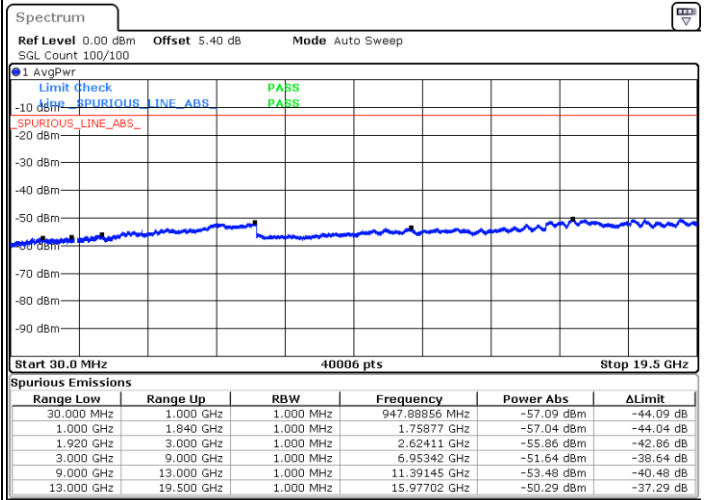
LTE Band 25 / 15MHz

Lowest Channel / QPSK



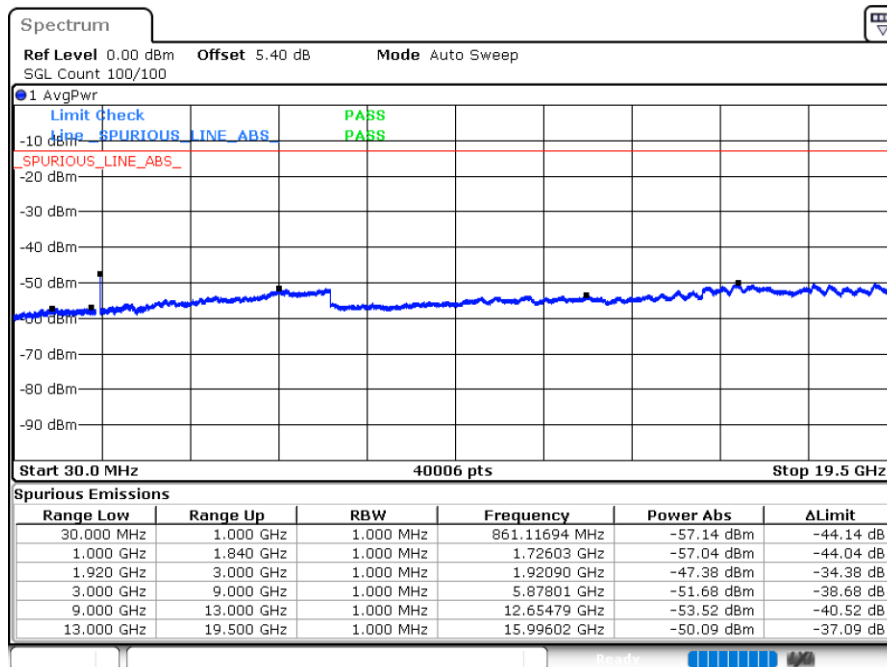
Date: 28.JUL.2023 16:16:31

Middle Channel / QPSK



Date: 28.JUL.2023 16:20:07

Highest Channel / QPSK

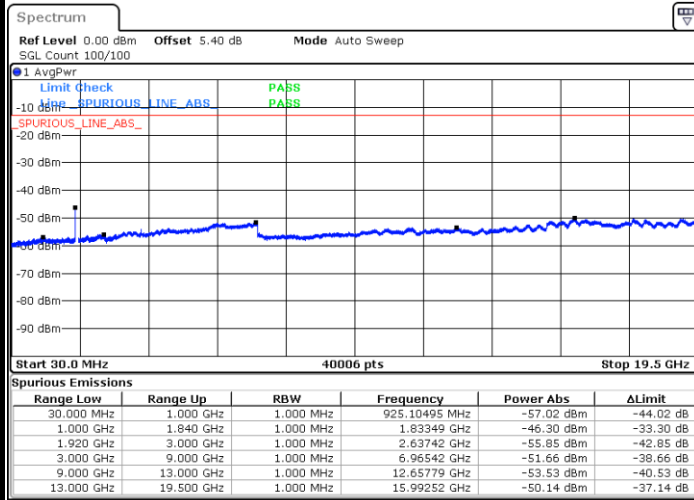


Date: 28.JUL.2023 16:23:09



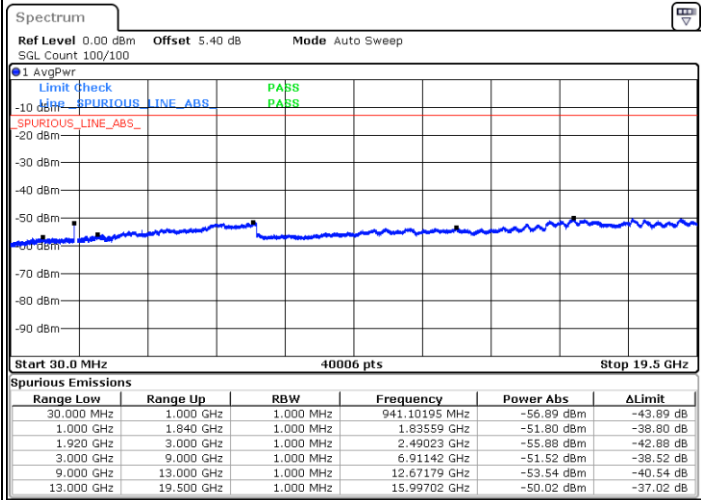
LTE Band 25 / 20MHz

Lowest Channel / QPSK



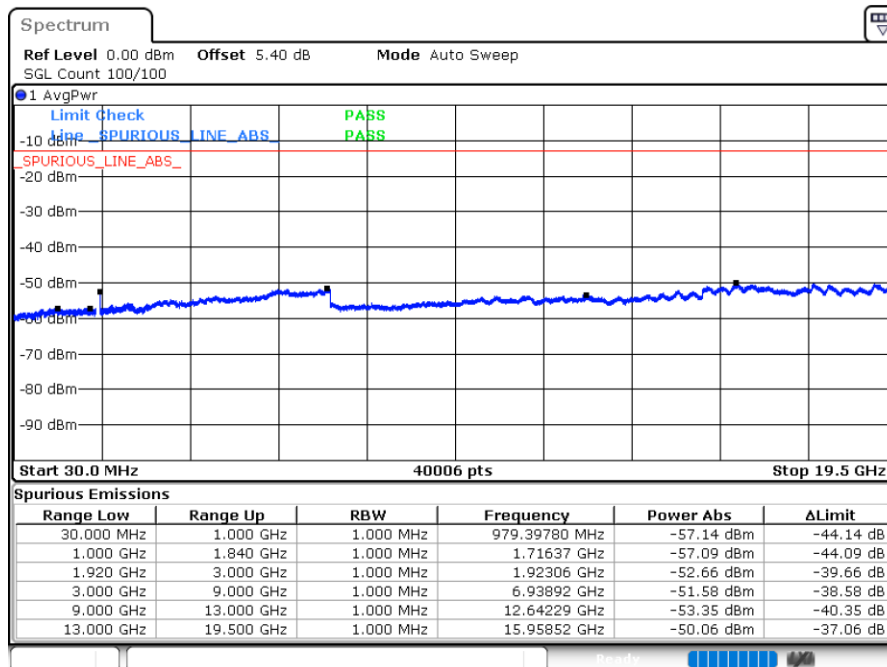
Date: 28.JUL.2023 16:31:30

Middle Channel / QPSK



Date: 28.JUL.2023 16:34:27

Highest Channel / QPSK



Date: 28.JUL.2023 16:37:28

**Frequency Stability**

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0038	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0042	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0034	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



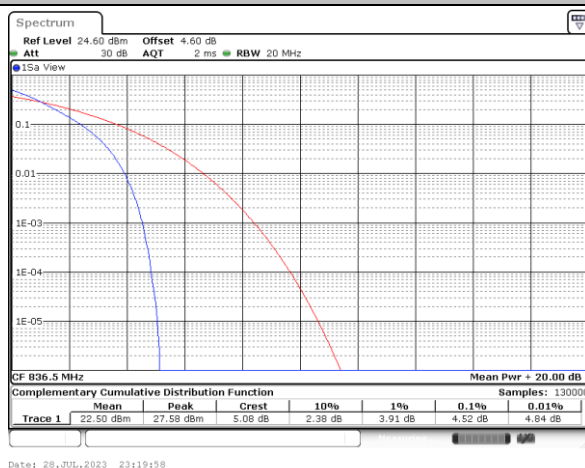
LTE Band 26_Part 22H

Peak-to-Average Ratio

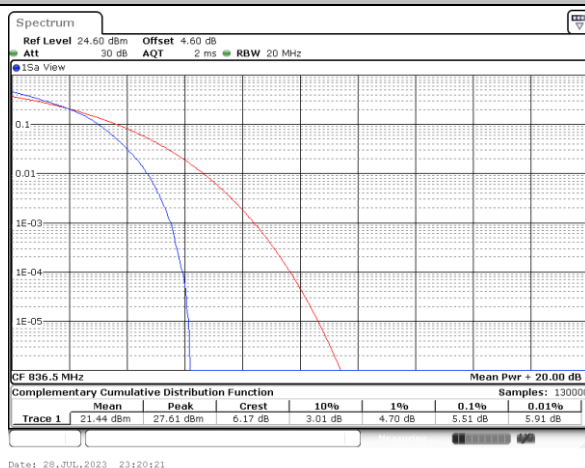
Mode	LTE Band 26 / 15MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.52	5.51	PASS

LTE Band 26 / 15MHz

Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM



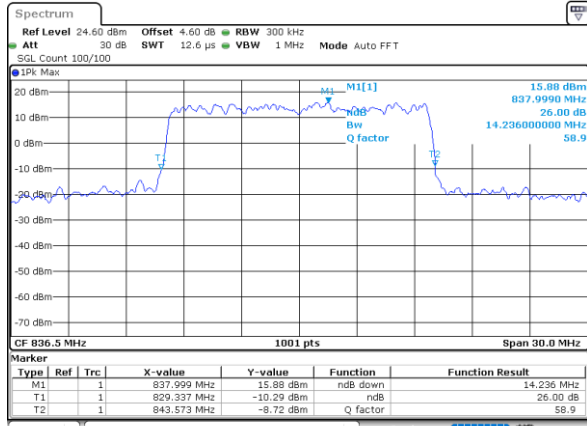
**26dB Bandwidth**

Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.24	14.63
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.93	9.83
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.99	4.94
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.03	2.98
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.25	1.22

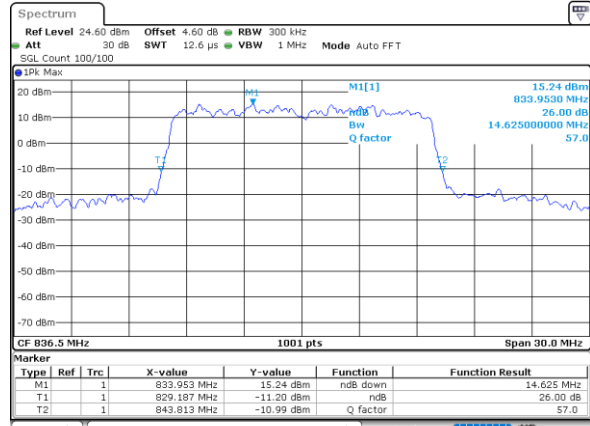


LTE Band 26

Middle Channel / 15MHz / QPSK

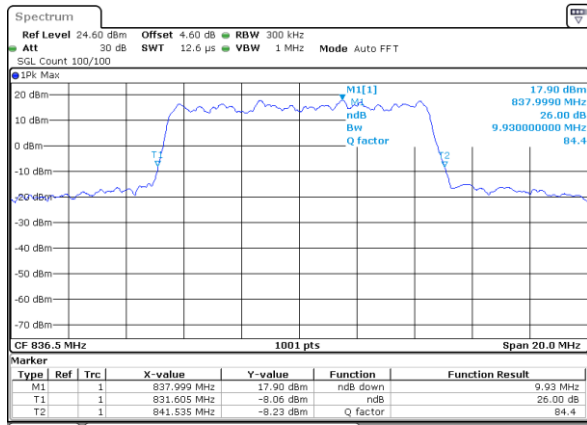


Middle Channel / 15MHz / 16QAM



LTE Band 26

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

