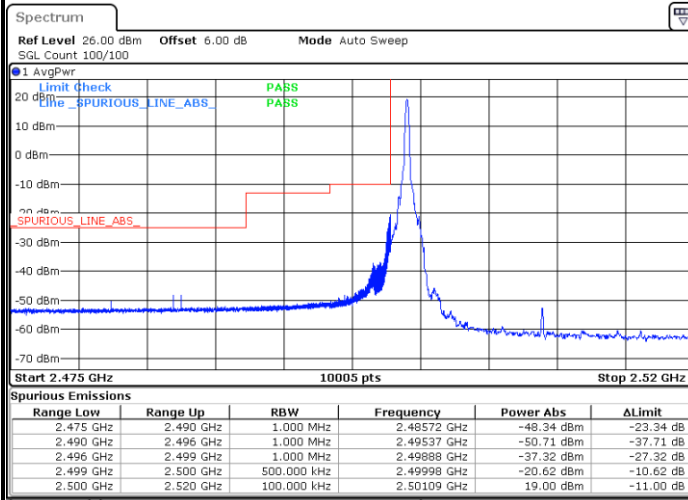


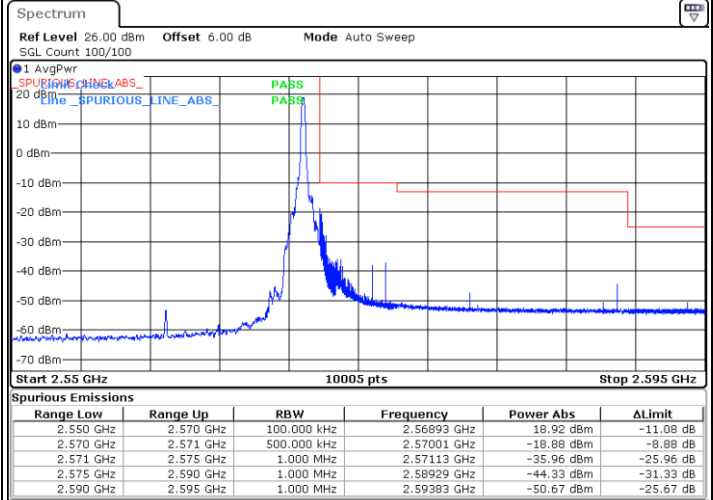


LTE Band 7 / 20MHz / 64QAM

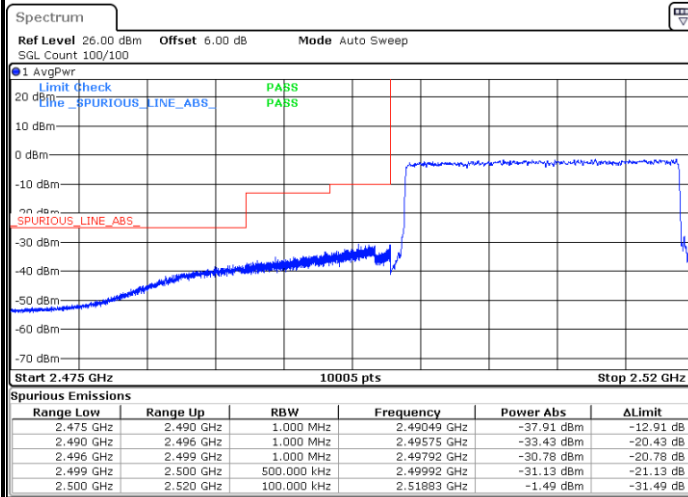
Lowest Band Edge / 1 RB



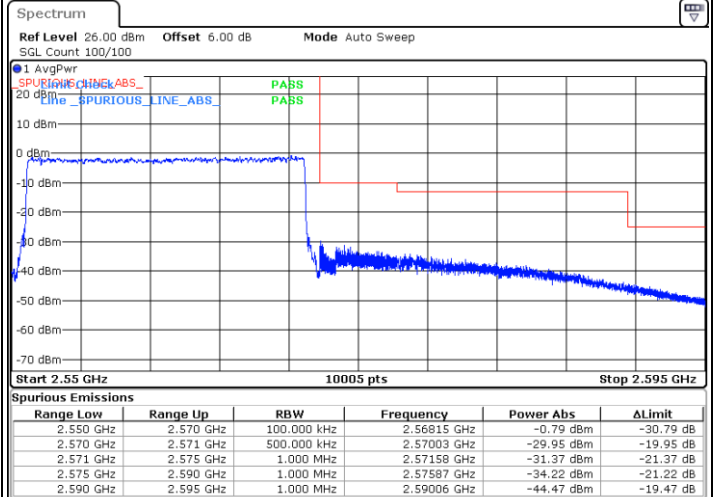
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



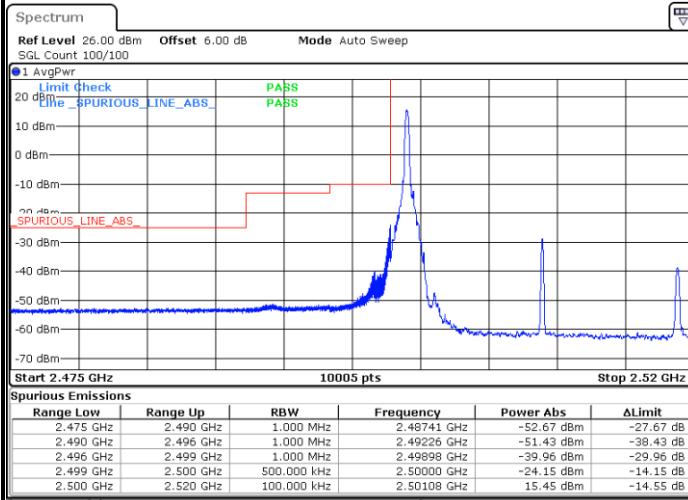
Highest Band Edge / Full RB



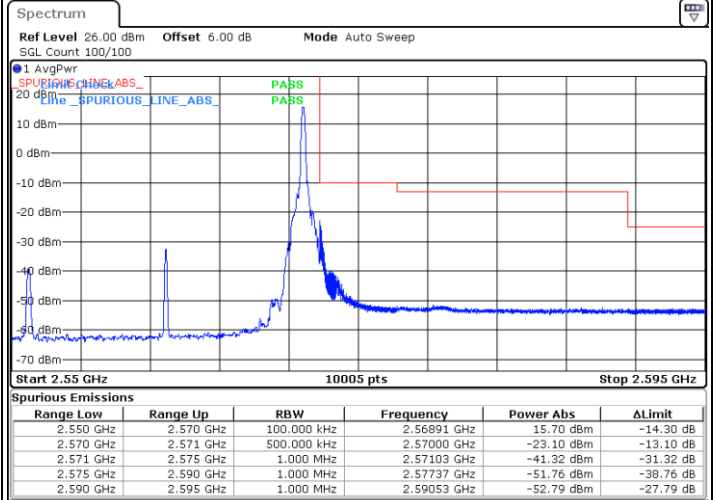


LTE Band 7 / 20MHz / 256QAM

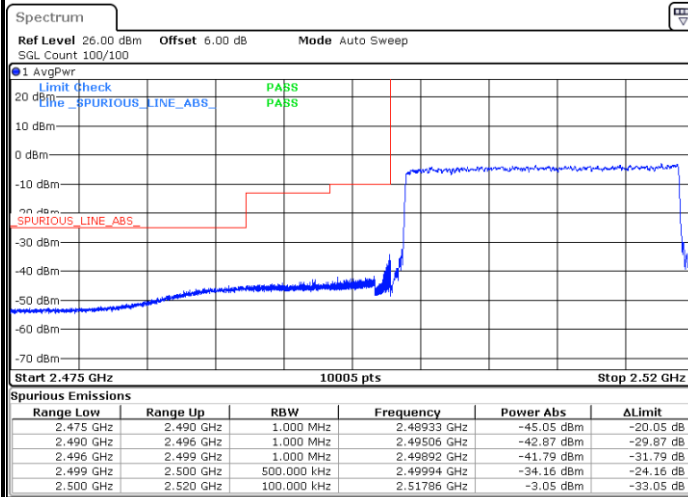
Lowest Band Edge / 1 RB



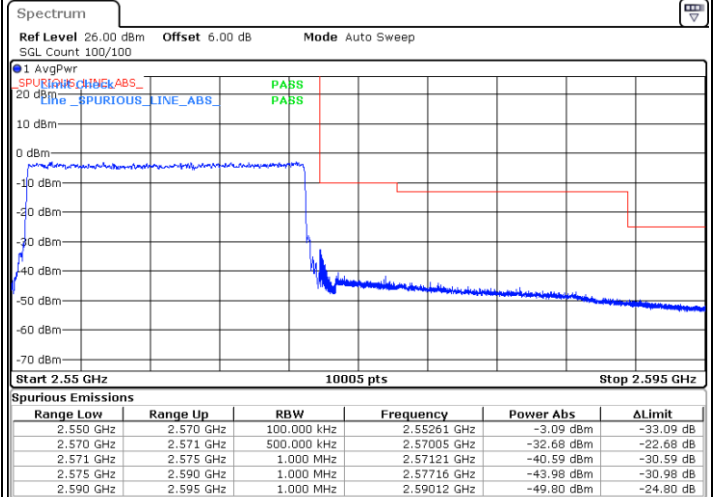
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

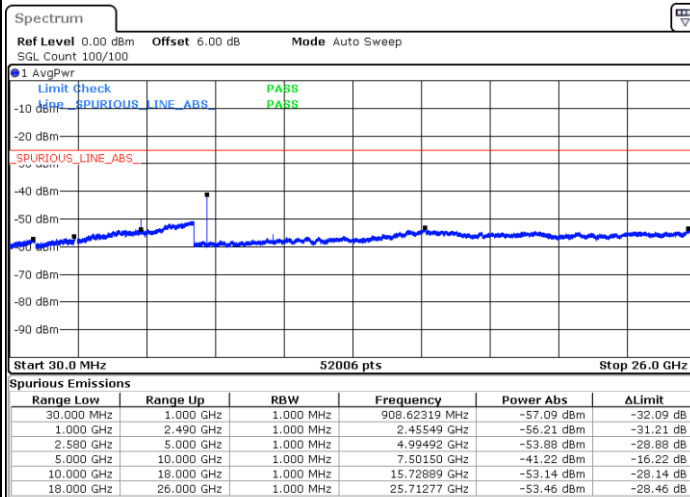




Conducted Spurious Emission

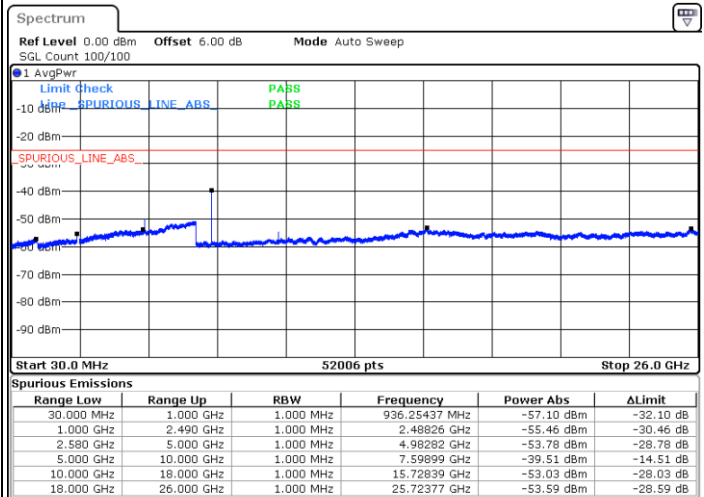
LTE Band 7 / 5MHz

Lowest Channel / QPSK



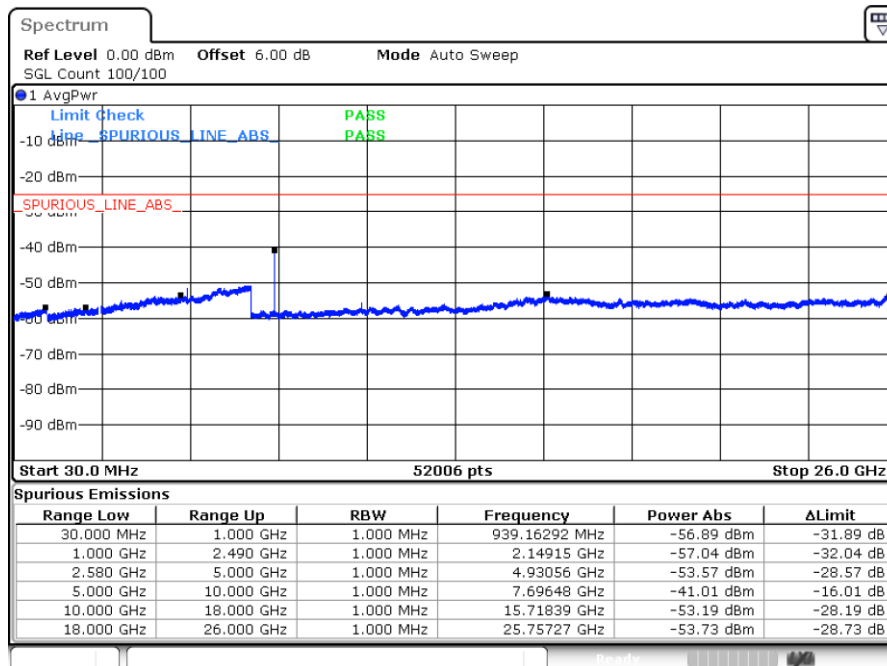
Date: 22.NOV.2024 03:34:40

Middle Channel / QPSK



Date: 22.NOV.2024 03:46:21

Highest Channel / QPSK

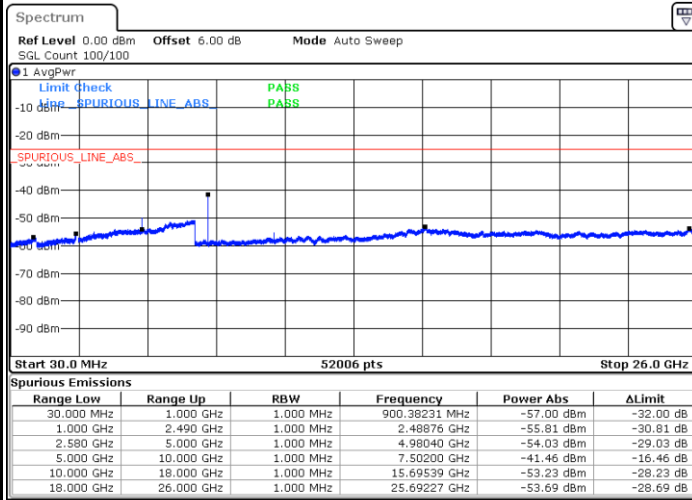


Date: 22.NOV.2024 03:47:42



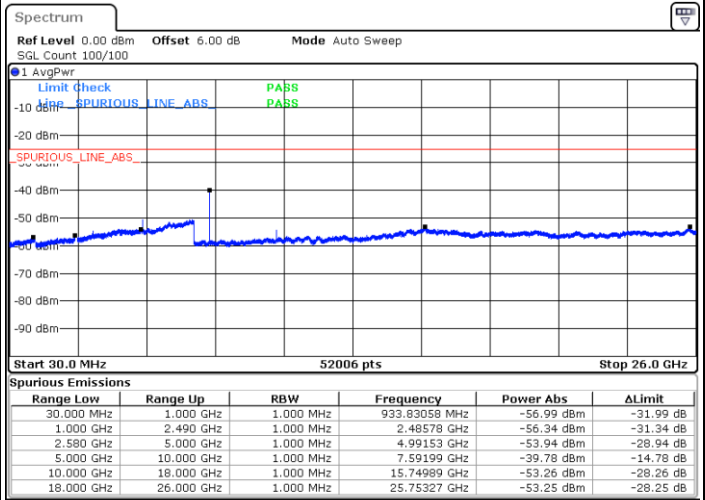
LTE Band 7 / 10MHz

Lowest Channel / QPSK



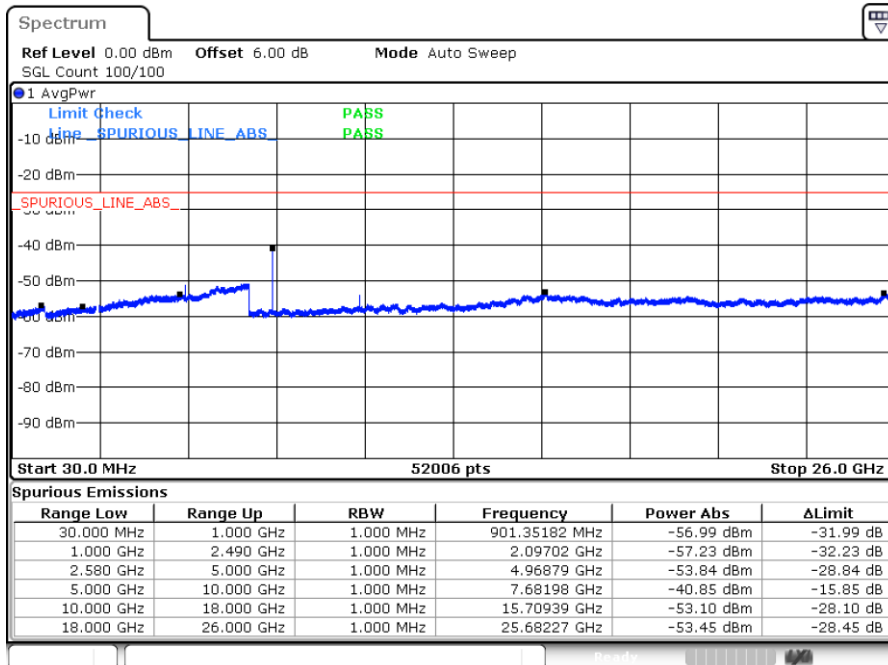
Date: 22.NOV.2024 04:03:14

Middle Channel / QPSK



Date: 22.NOV.2024 04:15:47

Highest Channel / QPSK

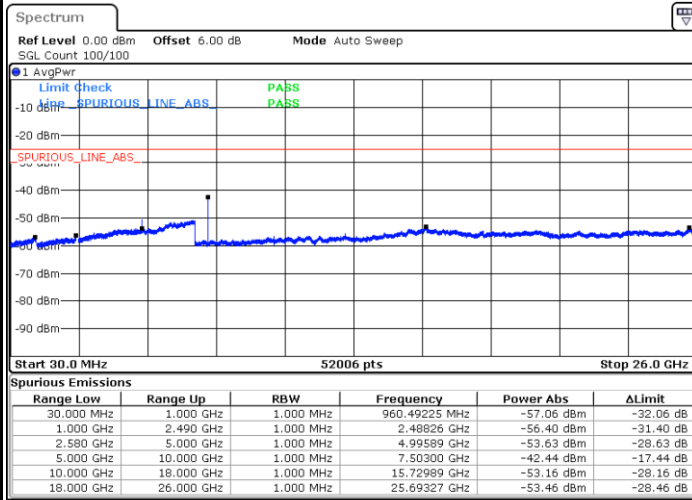


Date: 22.NOV.2024 04:17:07



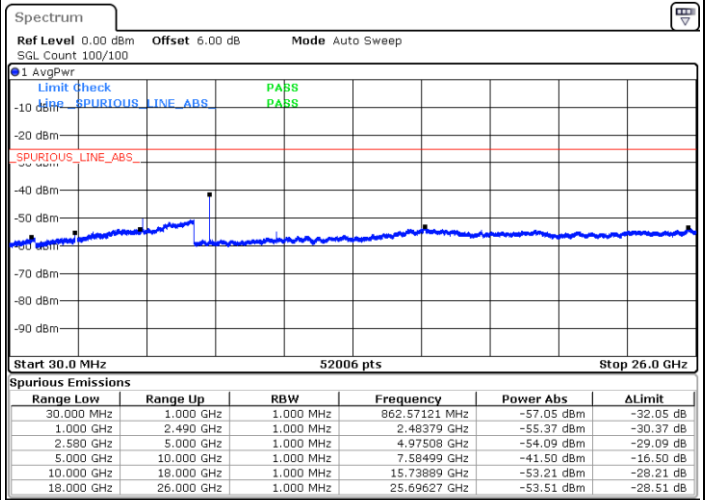
LTE Band 7 / 15MHz

Lowest Channel / QPSK



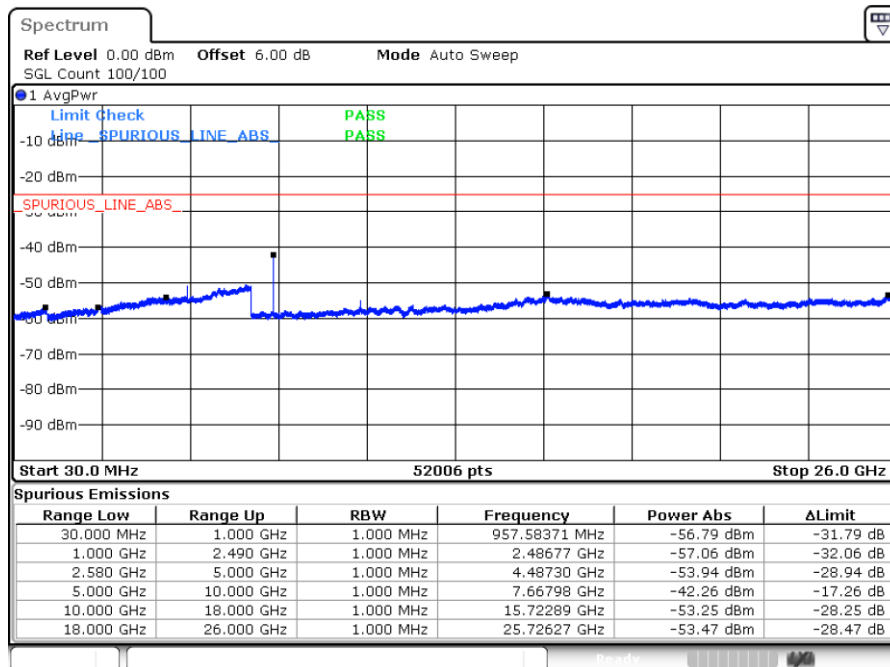
Date: 22.NOV.2024 04:31:15

Middle Channel / QPSK



Date: 22.NOV.2024 05:13:17

Highest Channel / QPSK



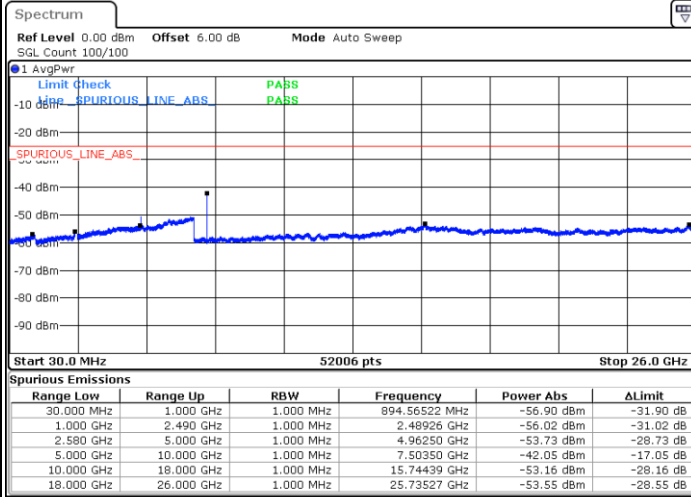
Date: 22.NOV.2024 05:14:37



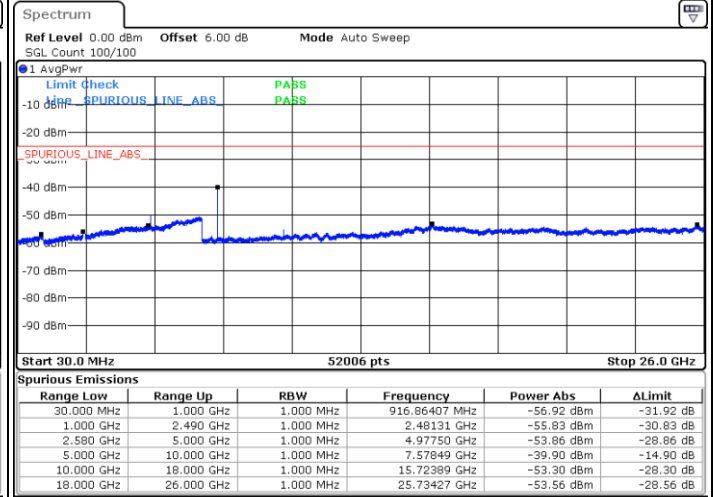
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

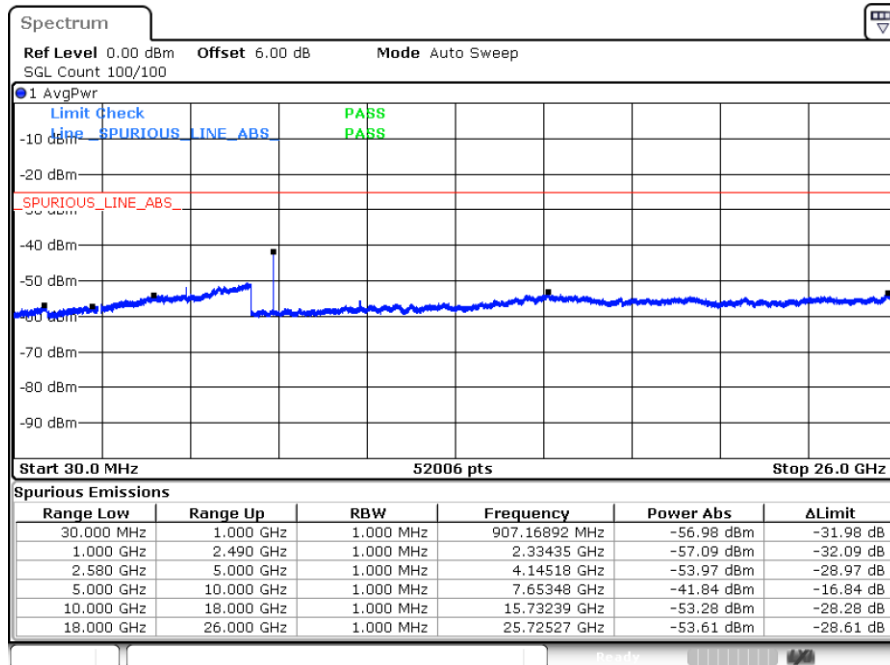


Date: 22.NOV.2024 05:27:19



Date: 22.NOV.2024 05:42:14

Highest Channel / QPSK



Date: 22.NOV.2024 05:43:34

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	0.0011	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0033	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0044	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

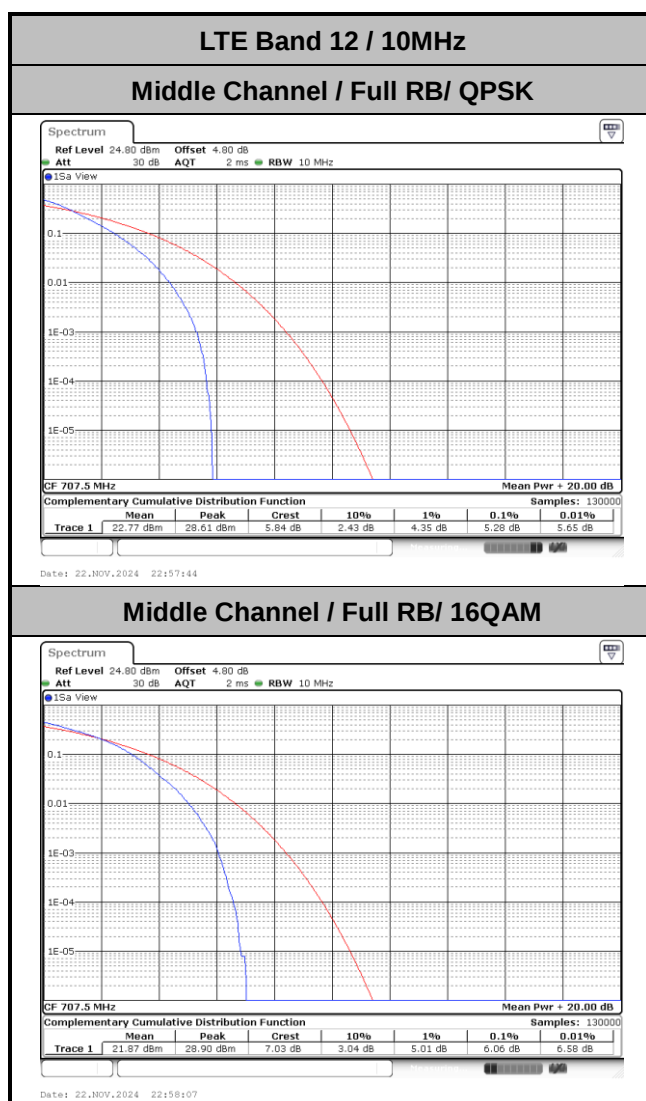
1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

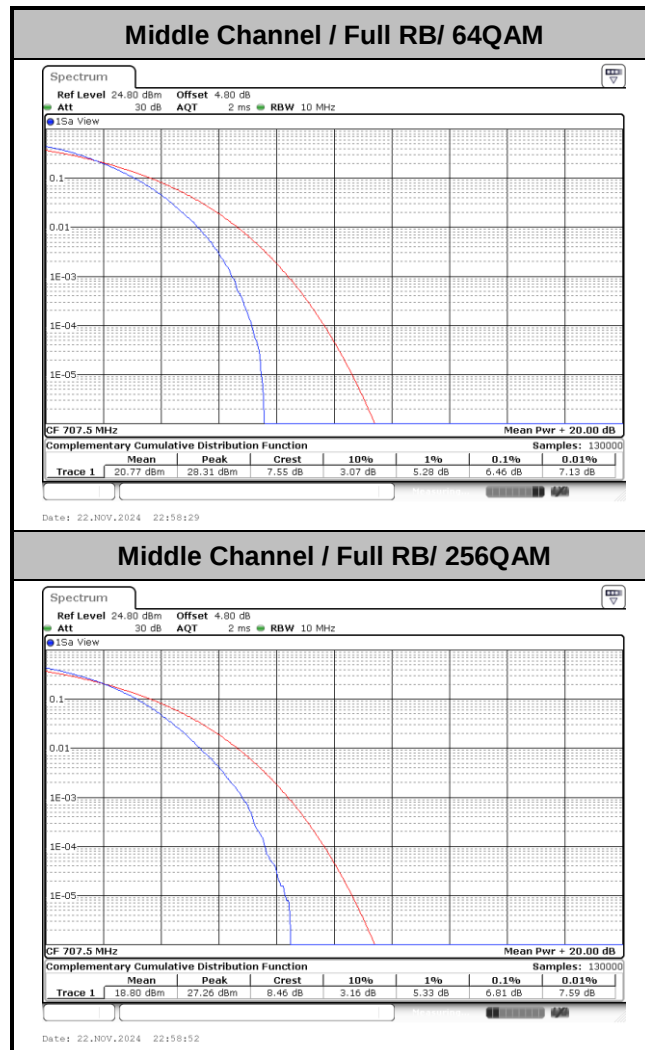


LTE Band 12

Peak-to-Average Ratio

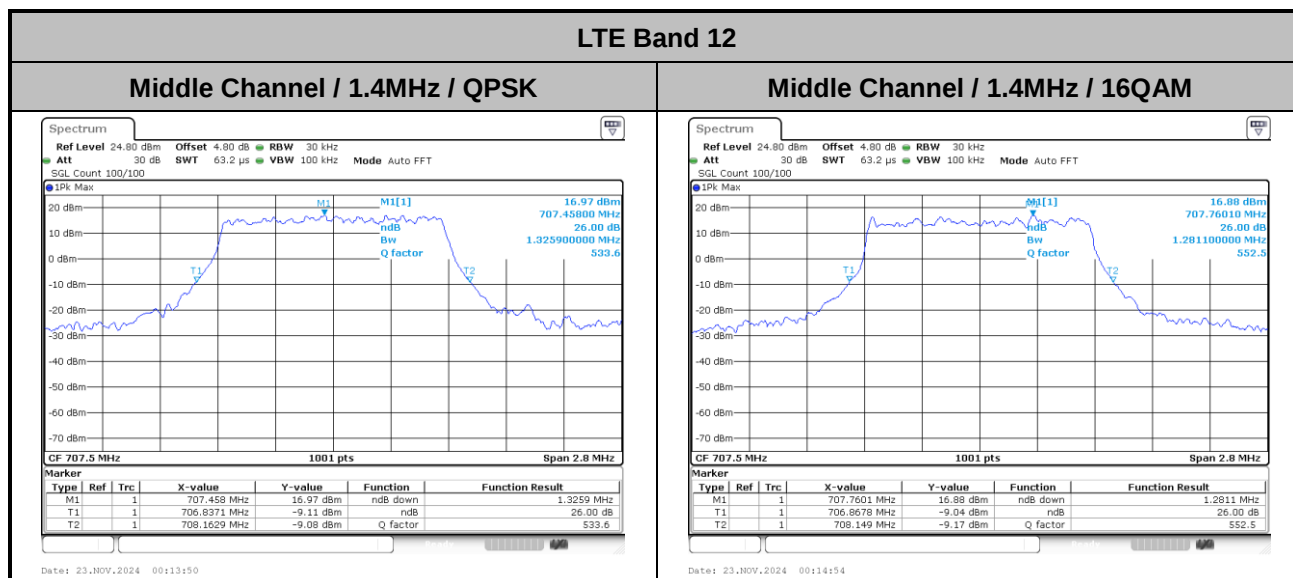
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.28	6.06	6.81	6.46	PASS





**26dB Bandwidth**

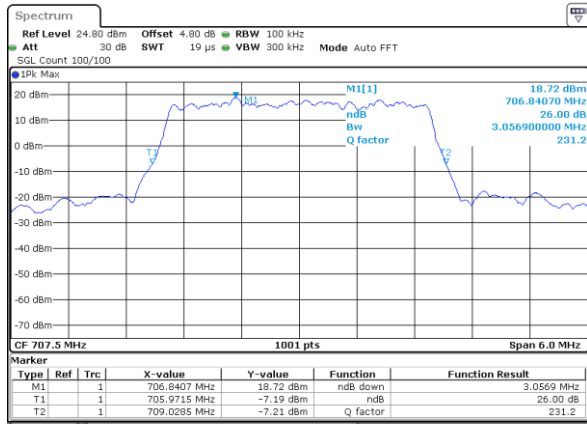
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.33	1.28
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.06	3.07
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.14	5.15
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	10.01	9.97





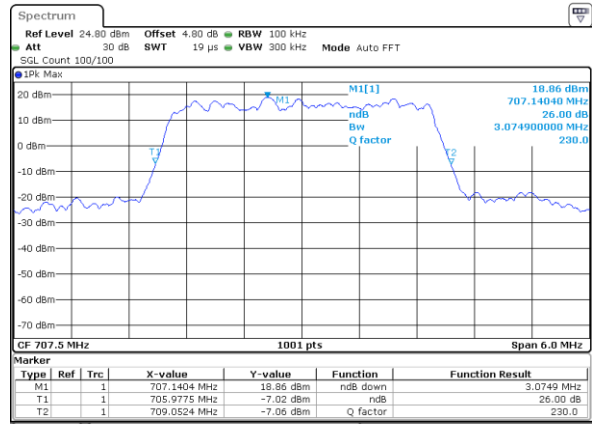
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 22.NOV.2024 23:11:22

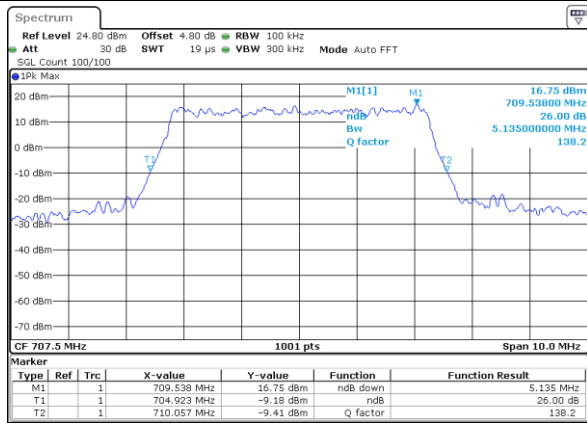
Middle Channel / 3MHz / 16QAM



Date: 22.NOV.2024 23:10:18

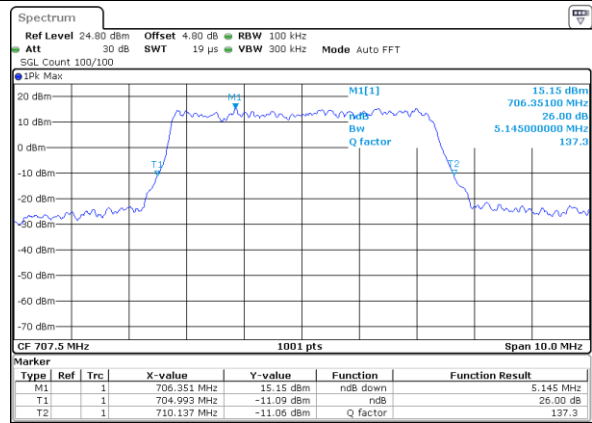
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 22.NOV.2024 23:08:54

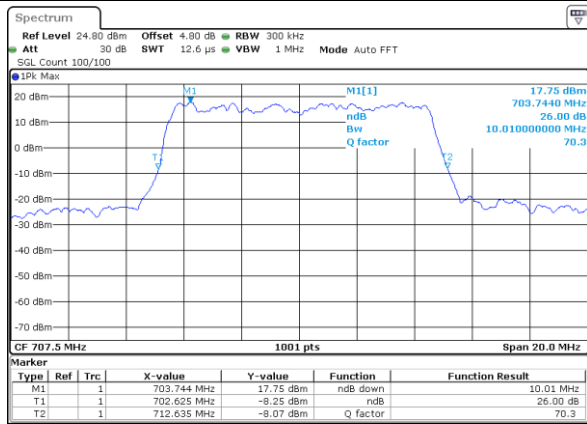
Middle Channel / 5MHz / 16QAM



Date: 22.NOV.2024 23:09:57

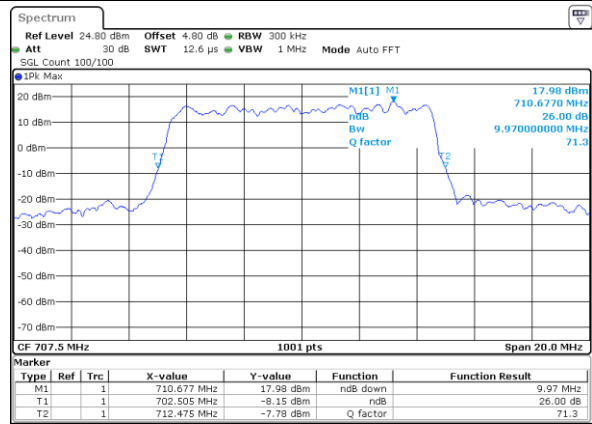
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 22.NOV.2024 23:08:32

Middle Channel / 10MHz / 16QAM

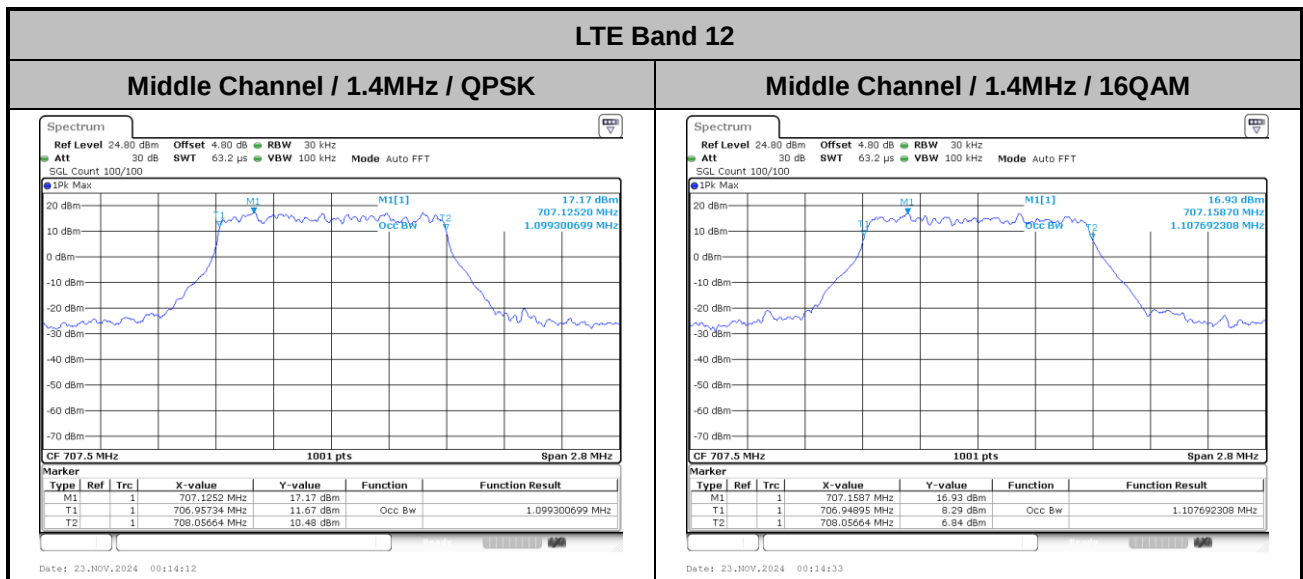


Date: 22.NOV.2024 23:07:28



Occupied Bandwidth

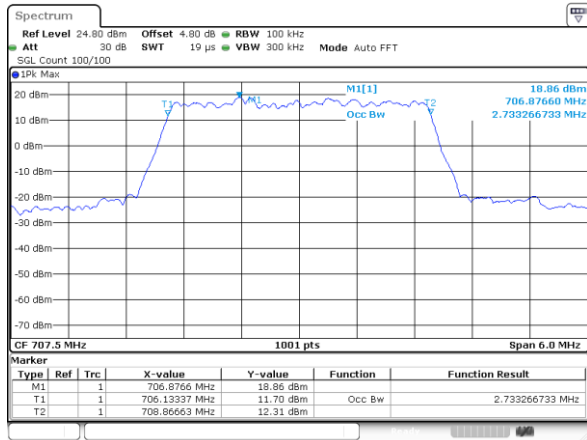
Mode	LTE Band 12 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.10	1.11
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.73	2.73
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.53	4.51
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.05





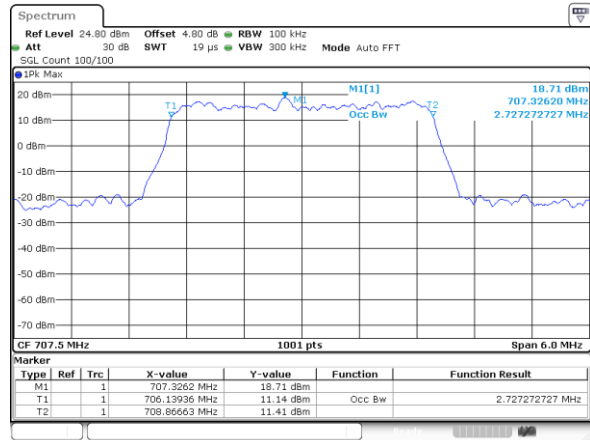
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 22.NOV.2024 23:11:01

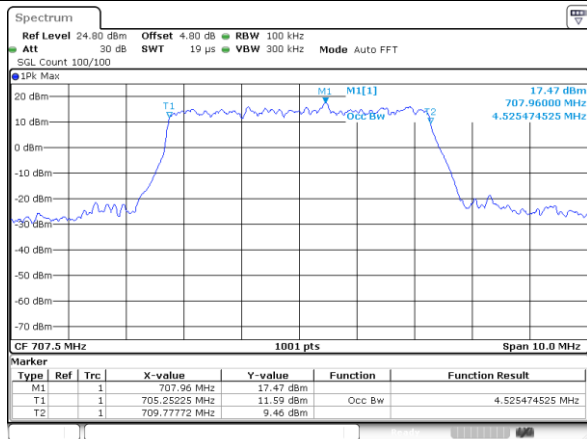
Middle Channel / 3MHz / 16QAM



Date: 22.NOV.2024 23:10:40

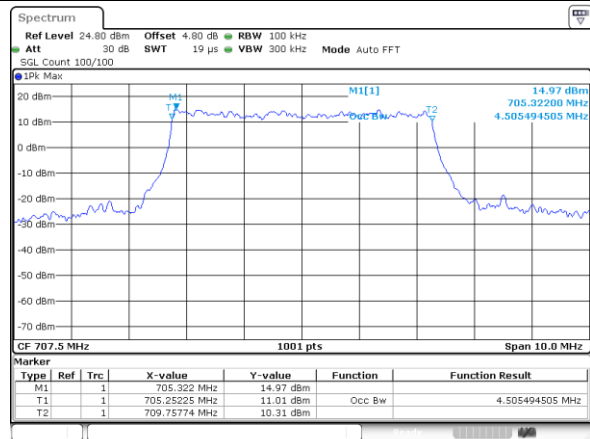
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 22.NOV.2024 23:09:15

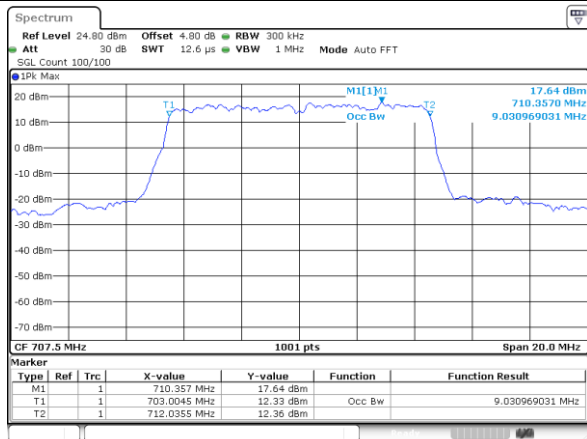
Middle Channel / 5MHz / 16QAM



Date: 22.NOV.2024 23:09:16

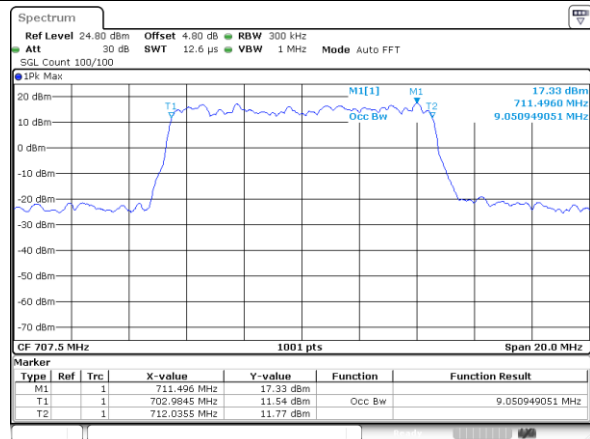
LTE Band 12

Middle Channel / 10MHz / QPSK

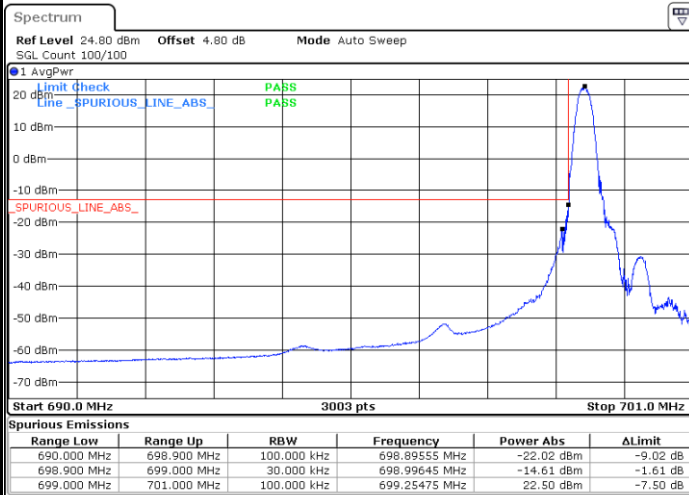
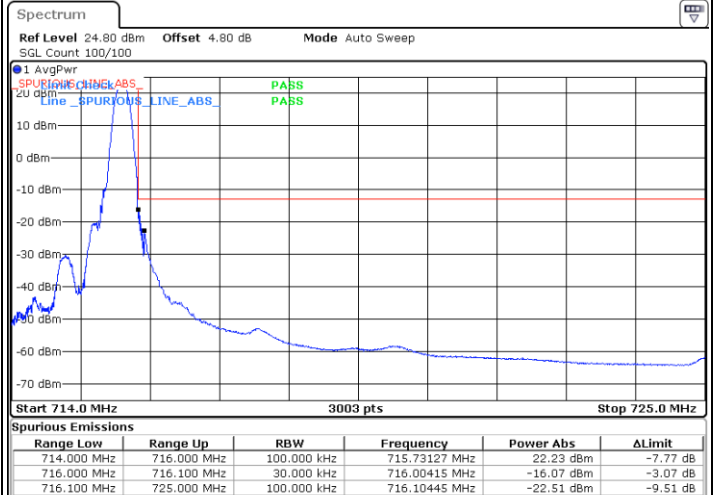
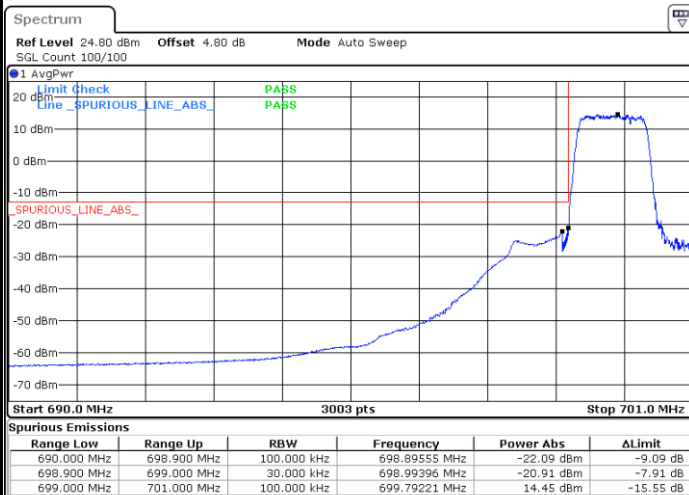
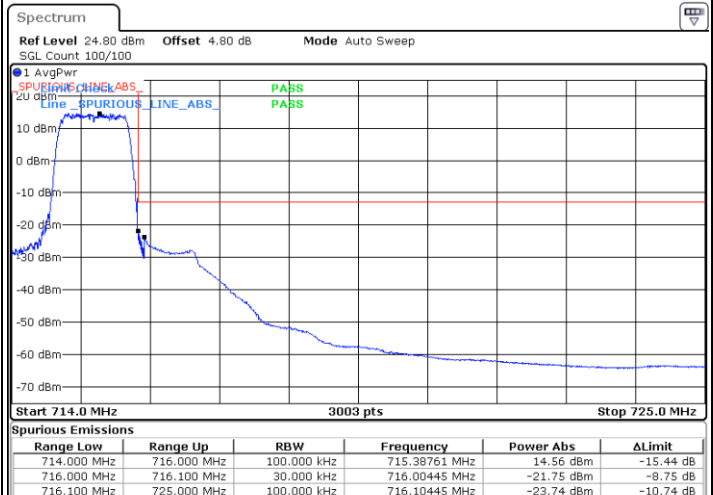


Date: 22.NOV.2024 23:08:11

Middle Channel / 10MHz / 16QAM



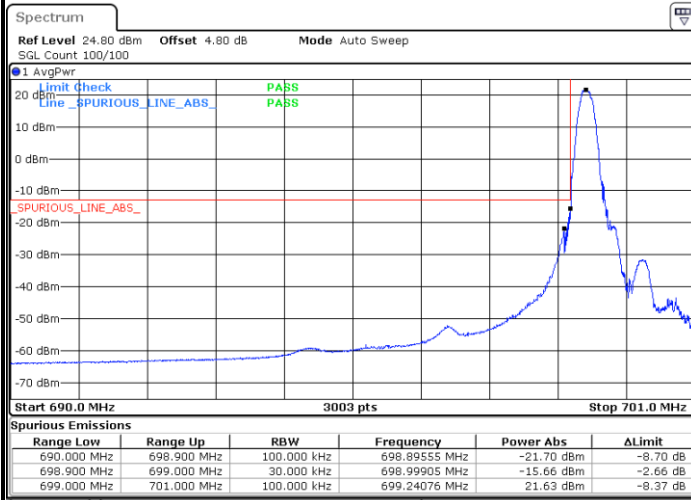
Date: 22.NOV.2024 23:07:50

**Conducted Band Edge****LTE Band 12 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

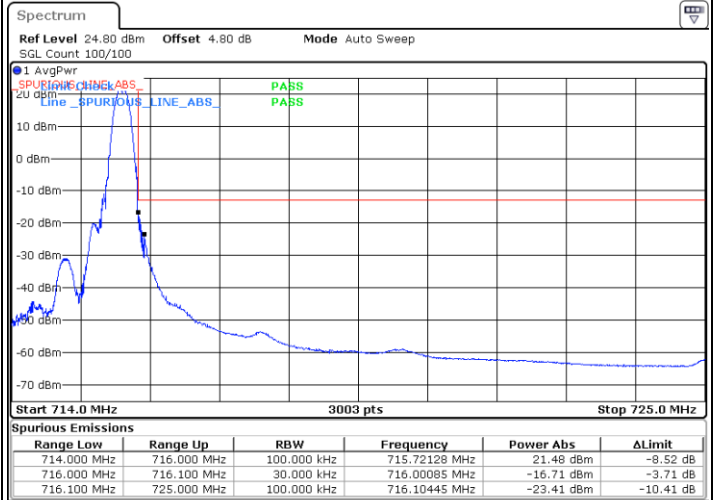


LTE Band 12 / 1.4MHz / 16QAM

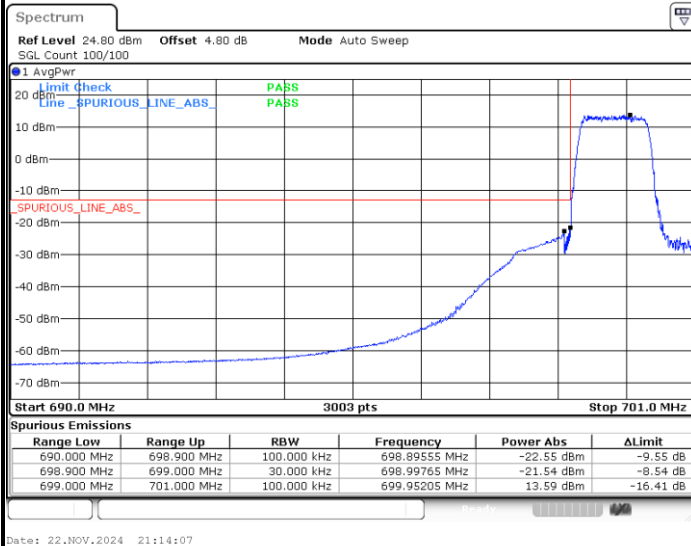
Lowest Band Edge / 1 RB



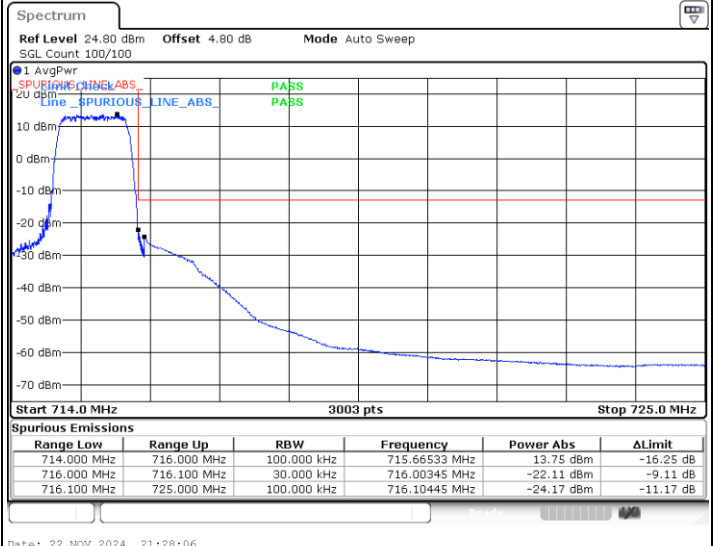
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



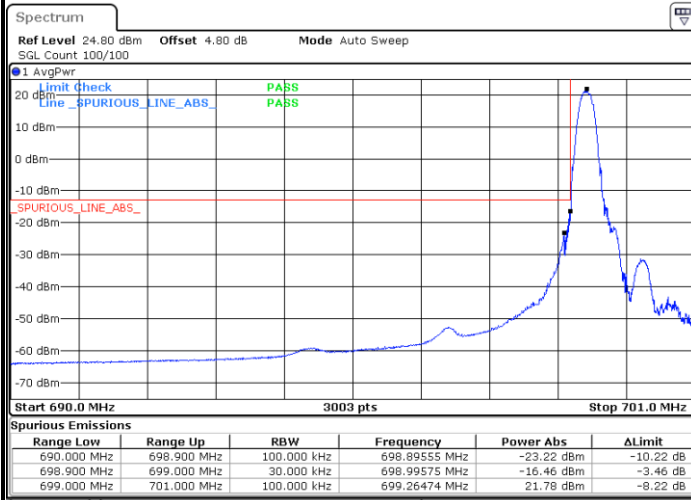
Highest Band Edge / Full RB



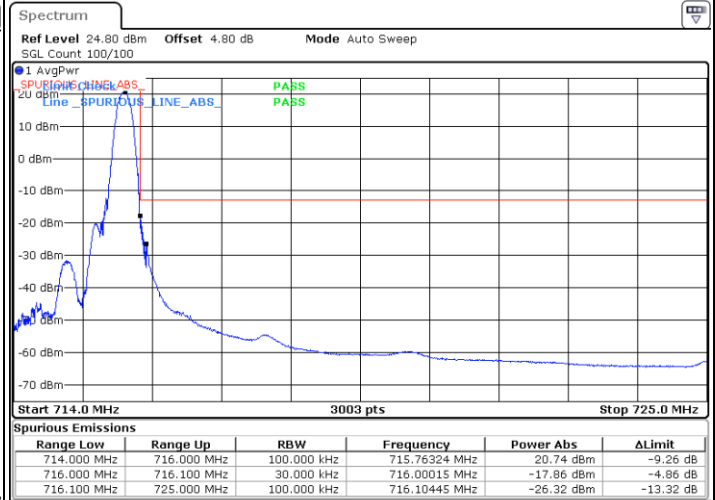


LTE Band 12 / 1.4MHz / 64QAM

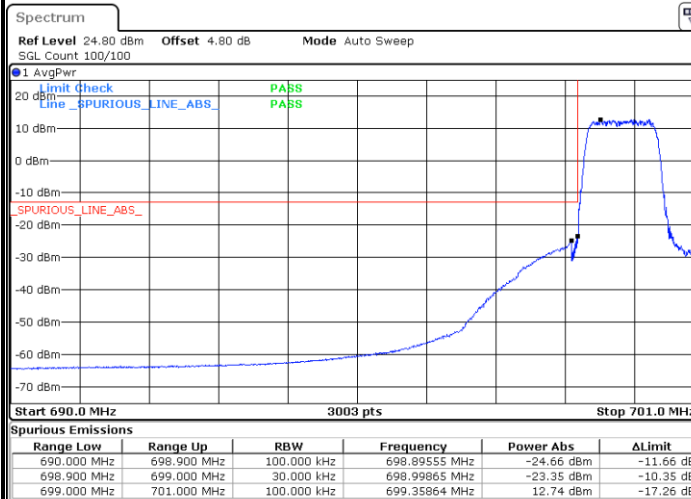
Lowest Band Edge / 1 RB



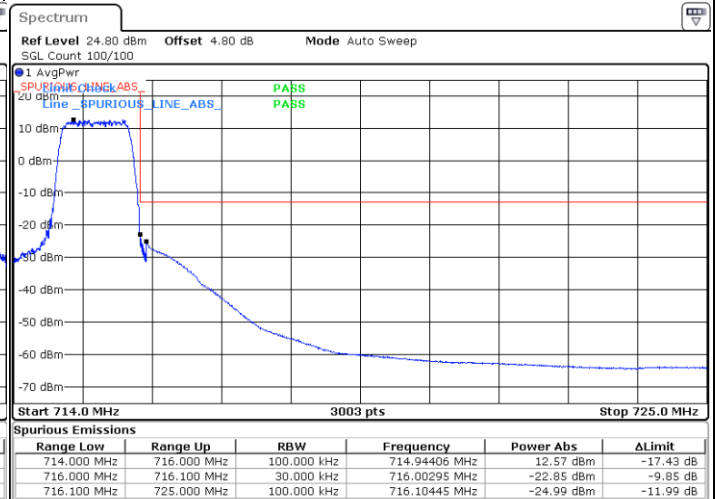
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



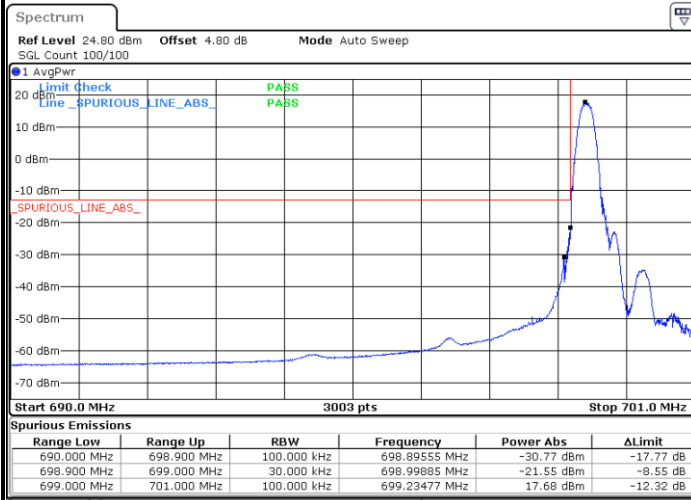
Highest Band Edge / Full RB



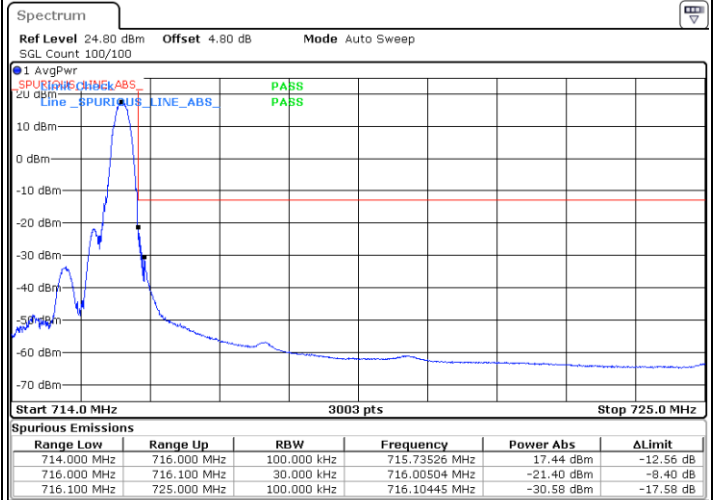


LTE Band 12 / 1.4MHz / 256QAM

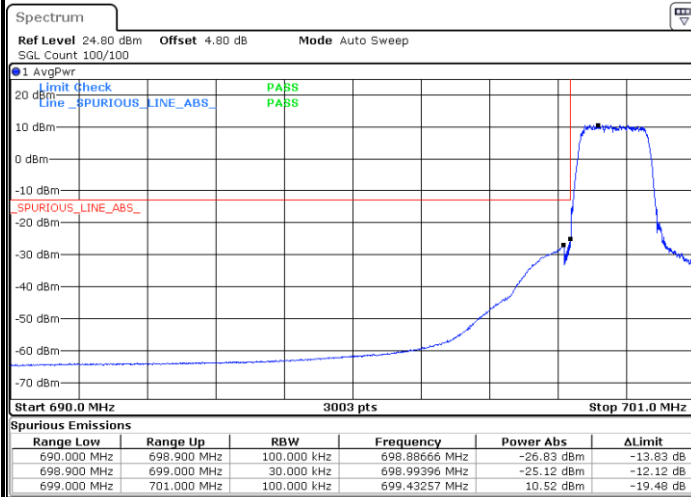
Lowest Band Edge / 1 RB



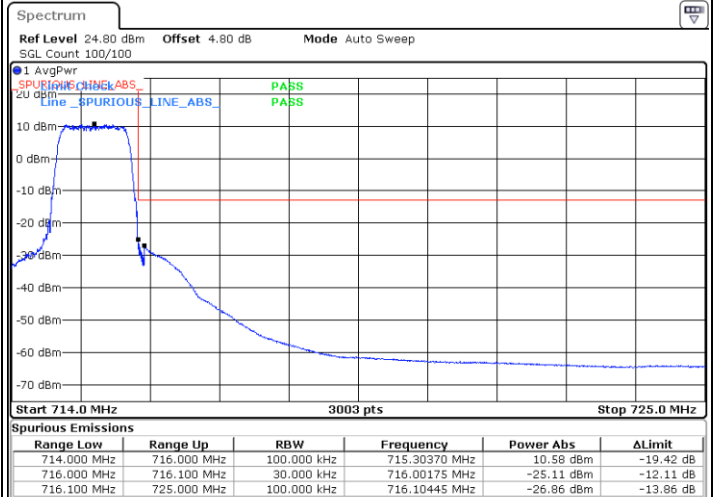
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



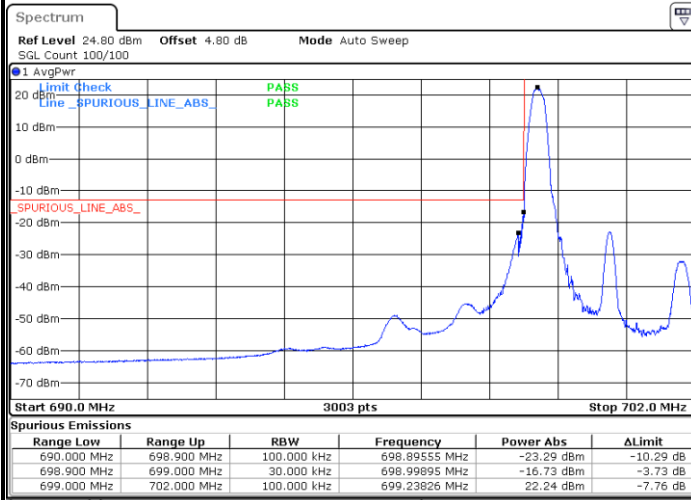
Highest Band Edge / Full RB



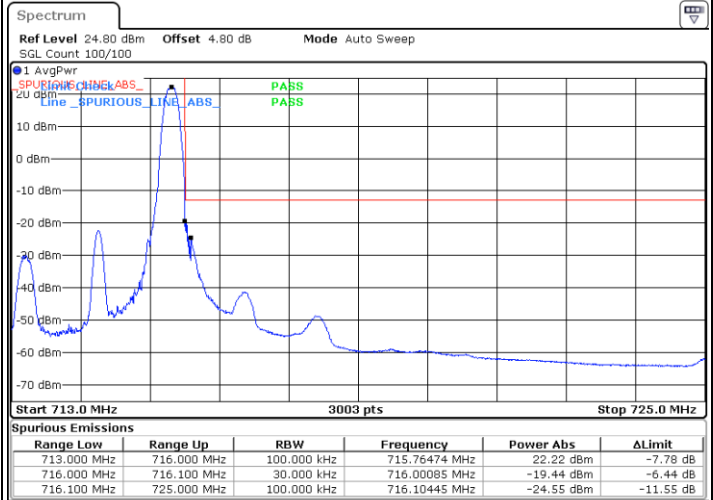


LTE Band 12 / 3MHz / QPSK

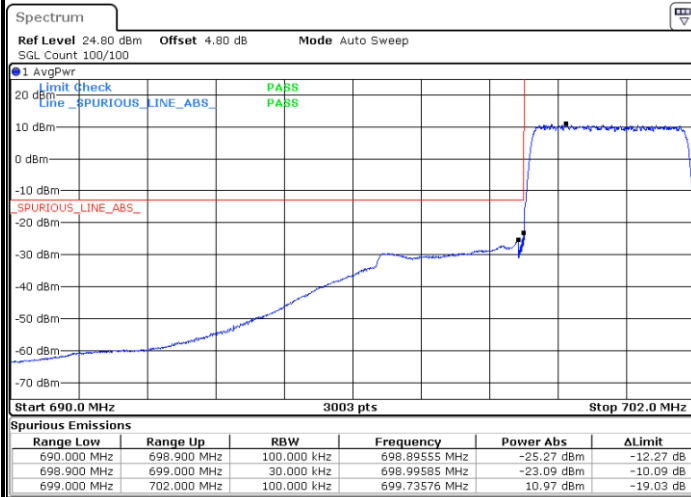
Lowest Band Edge / 1RB



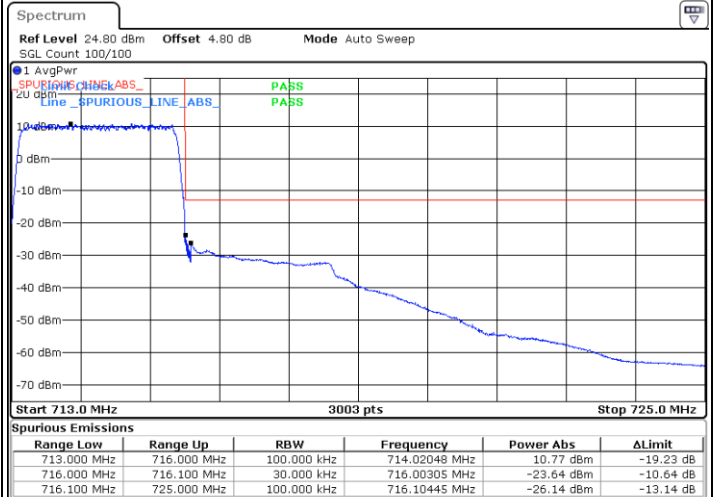
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



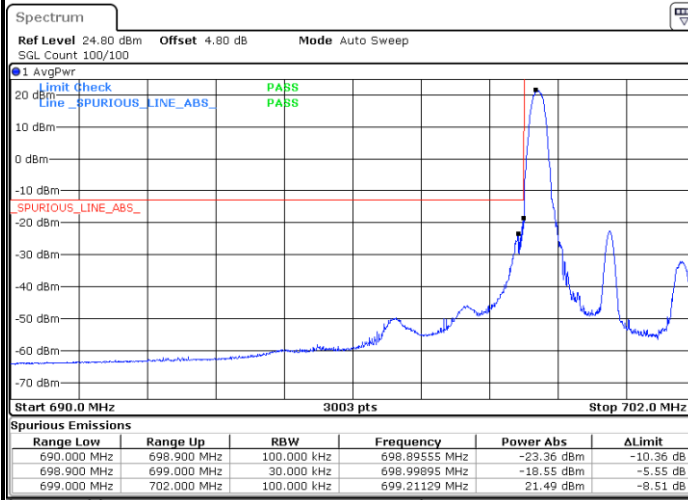
Highest Band Edge / Full RB



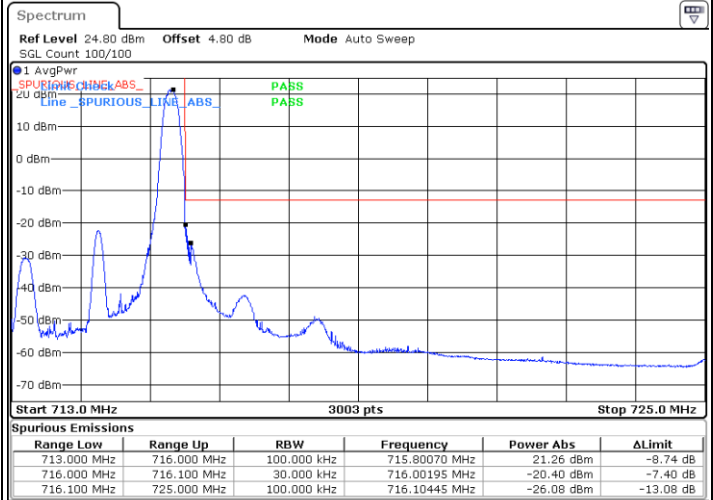


LTE Band 12 / 3MHz / 16QAM

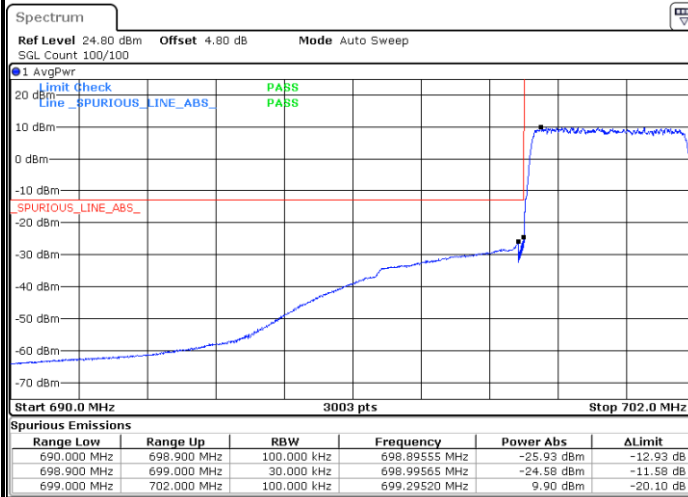
Lowest Band Edge / 1 RB



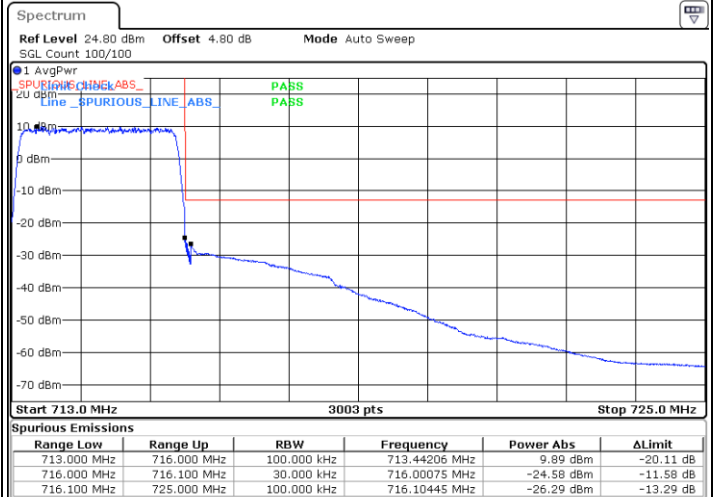
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



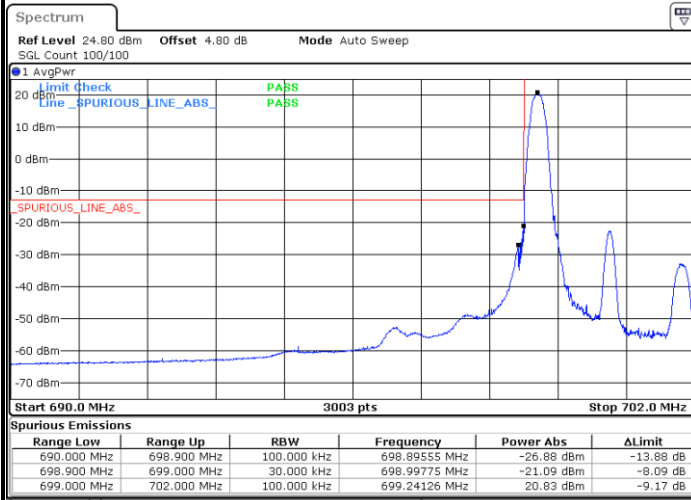
Highest Band Edge / Full RB



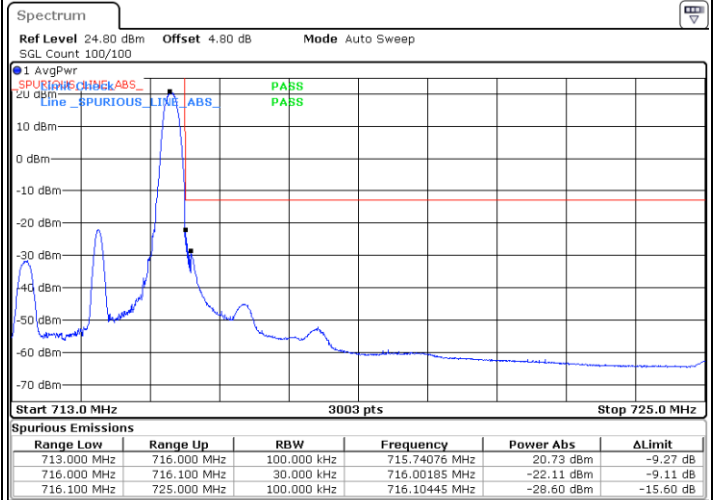


LTE Band 12 / 3MHz / 64QAM

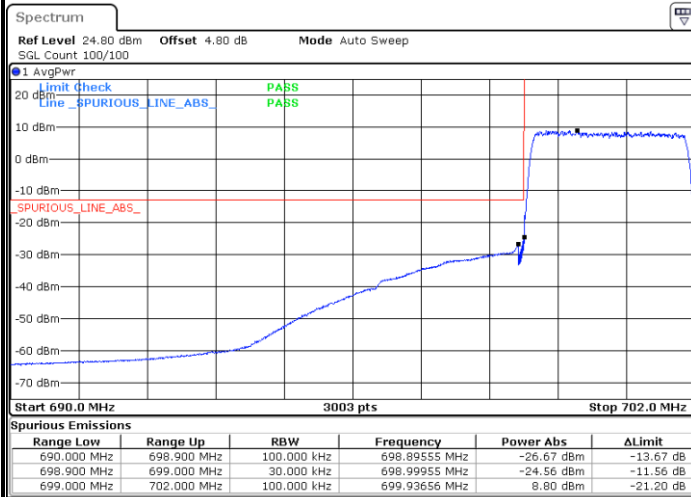
Lowest Band Edge / 1 RB



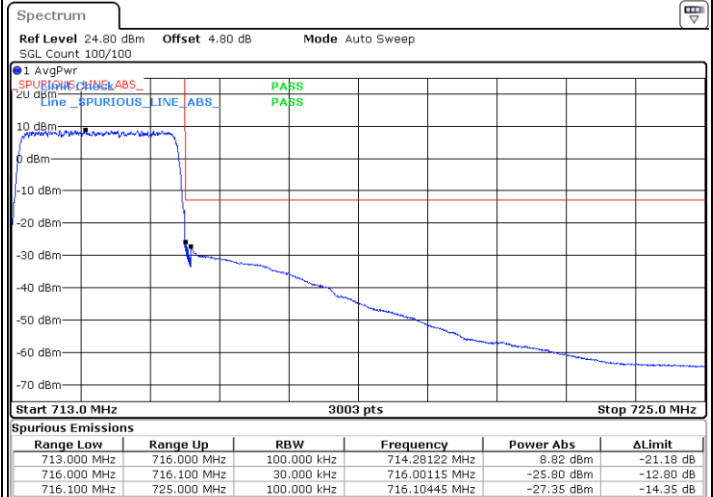
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



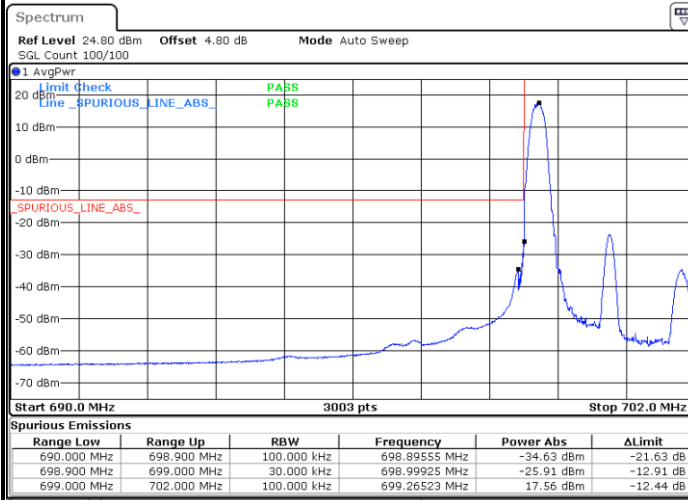
Highest Band Edge / Full RB



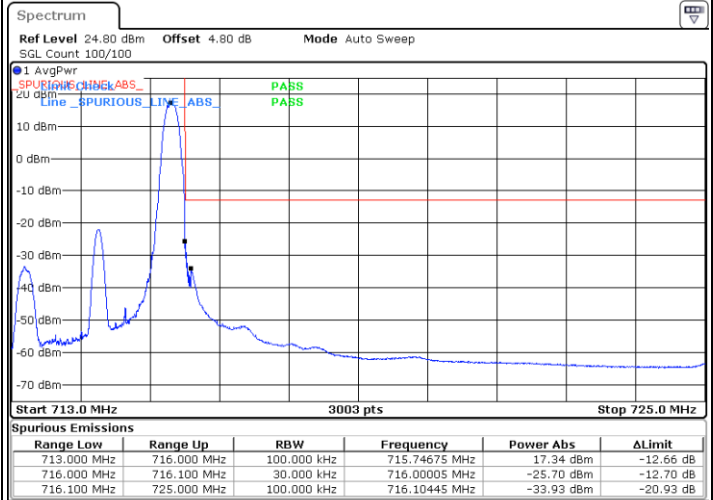


LTE Band 12 / 3MHz / 256QAM

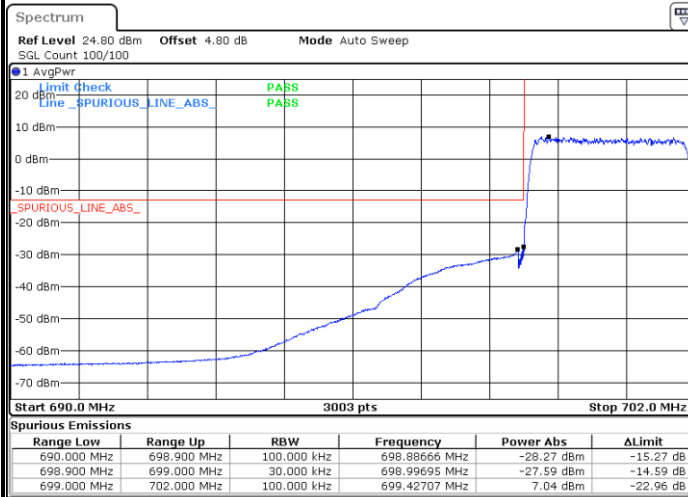
Lowest Band Edge / 1 RB



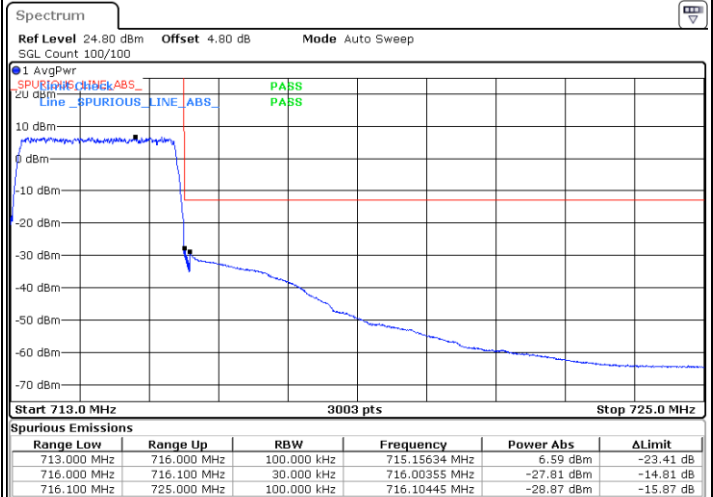
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



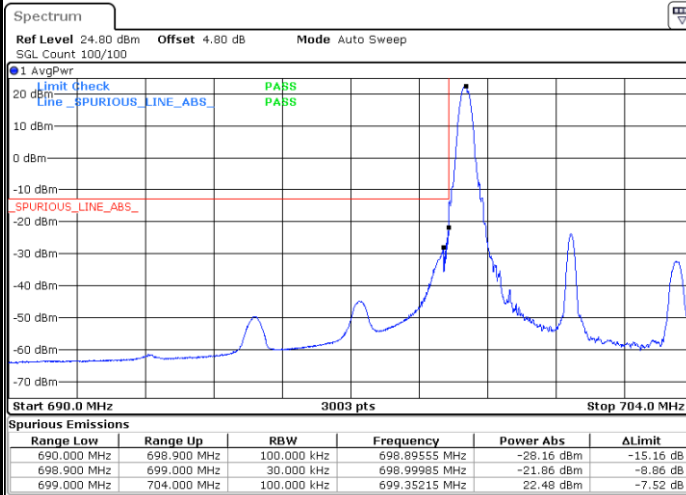
Highest Band Edge / Full RB



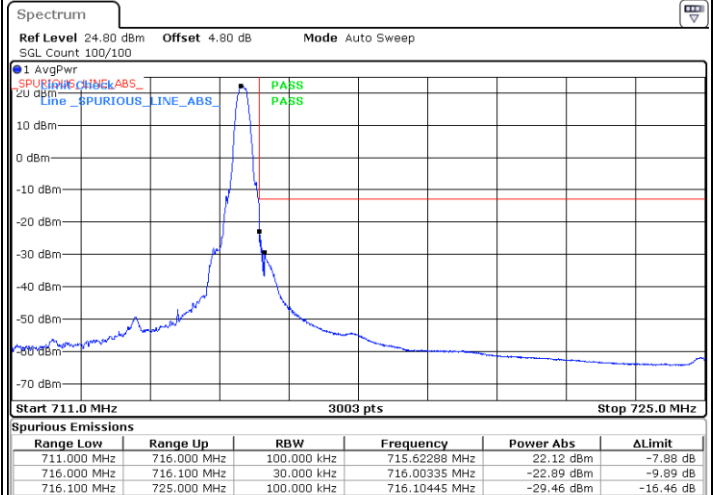


LTE Band 12 / 5MHz / QPSK

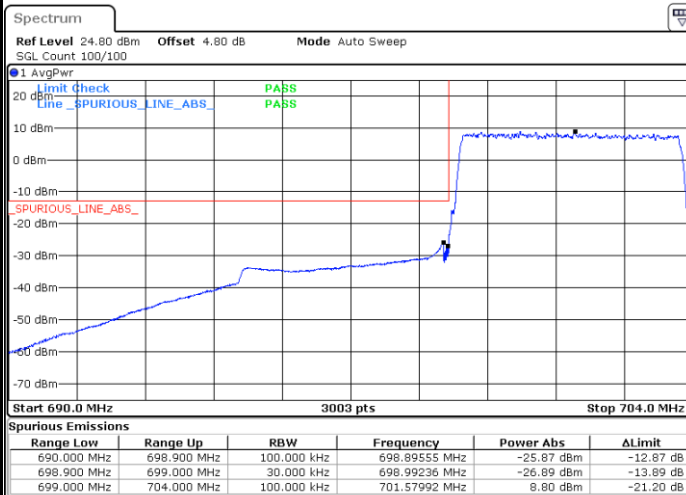
Lowest Band Edge / 1 RB



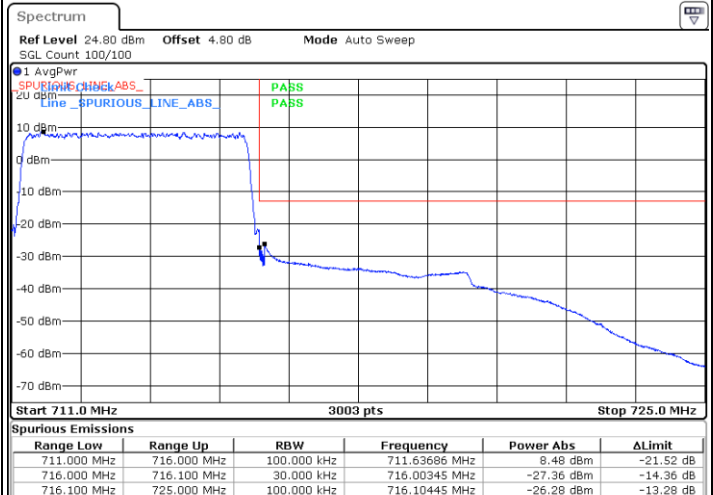
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



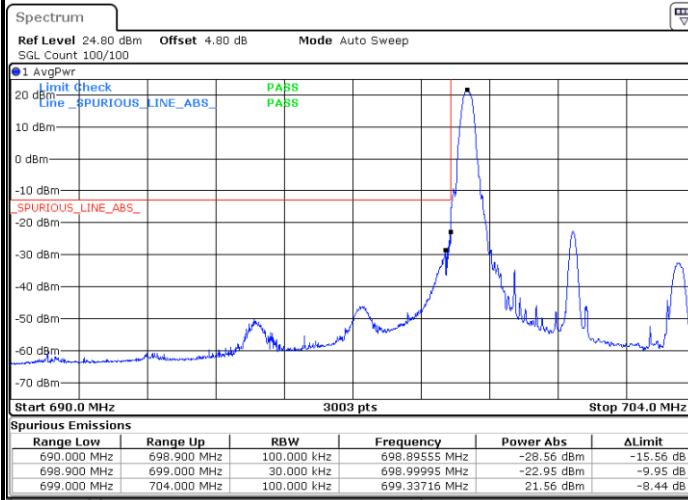
Highest Band Edge / Full RB



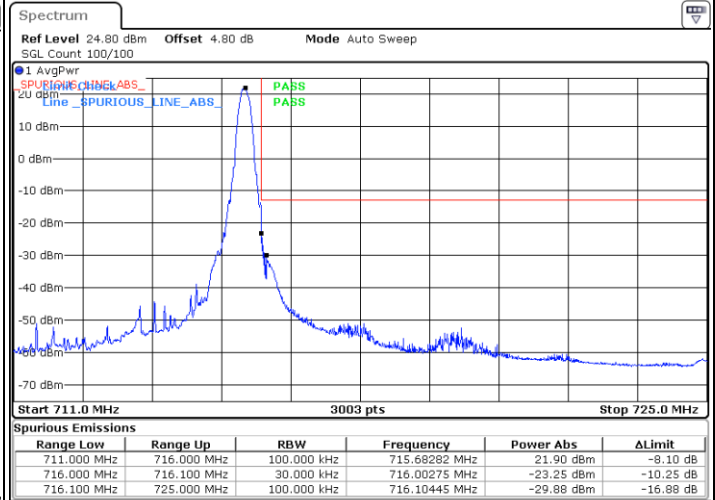


LTE Band 12 / 5MHz / 16QAM

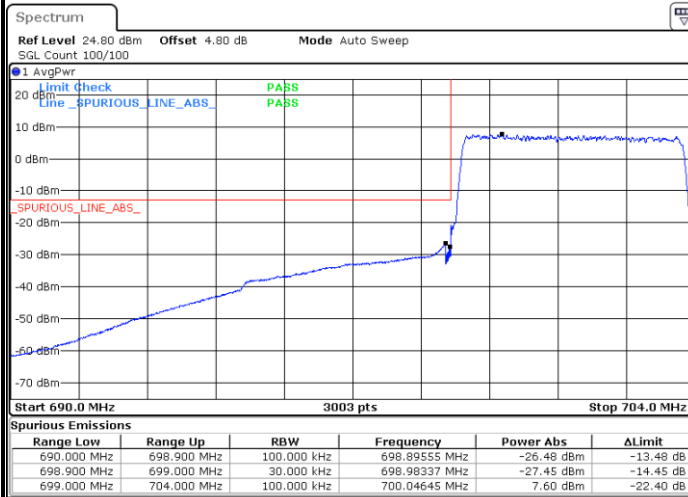
Lowest Band Edge / 1RB



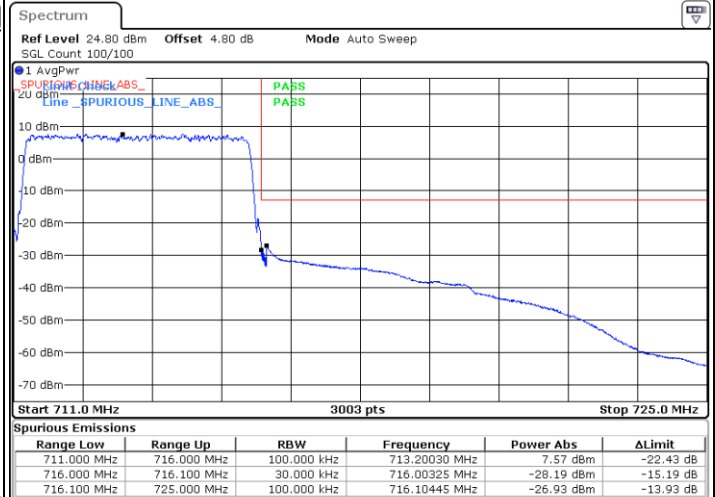
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



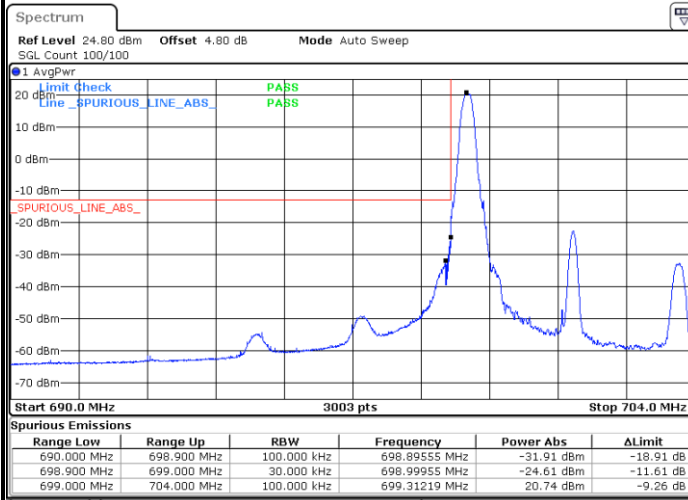
Highest Band Edge / Full RB





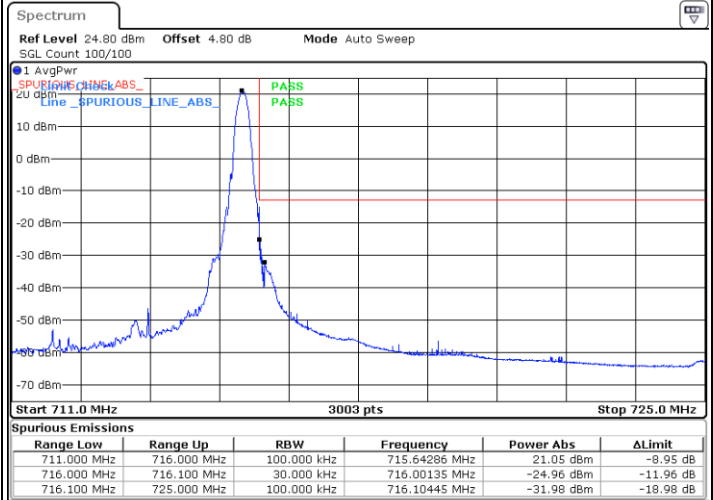
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



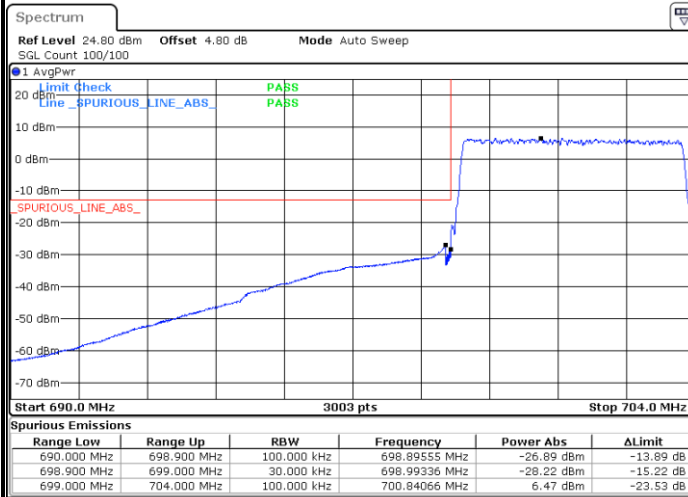
Date: 22.NOV.2024 21:59:43

Highest Band Edge / 1 RB



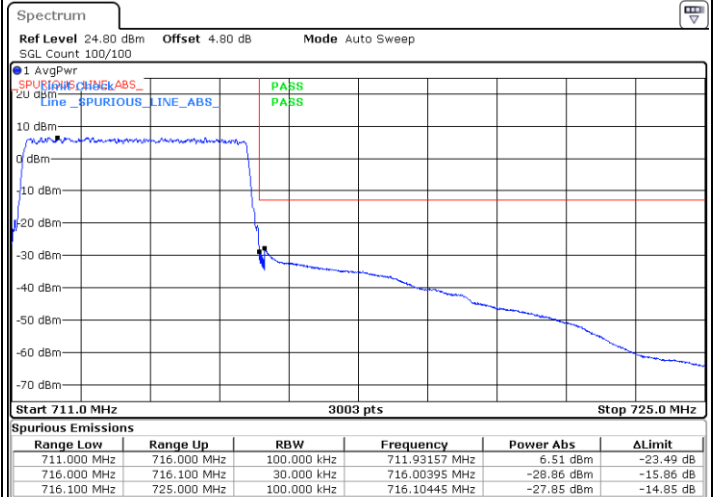
Date: 22.NOV.2024 22:22:24

Lowest Band Edge / Full RB



Date: 22.NOV.2024 22:13:25

Highest Band Edge / Full RB

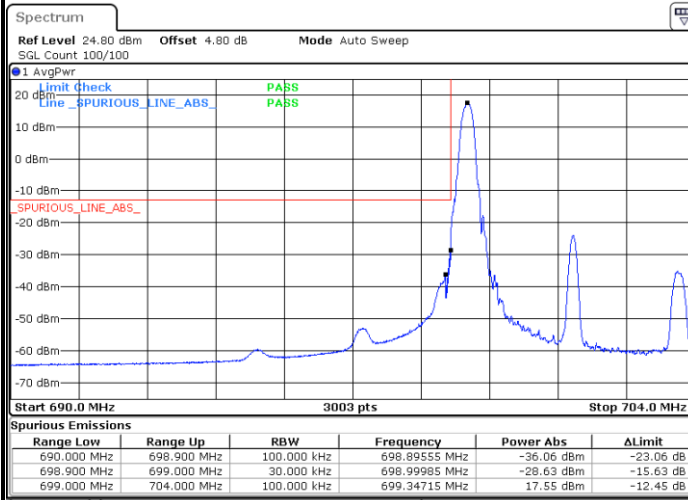


Date: 22.NOV.2024 22:27:21

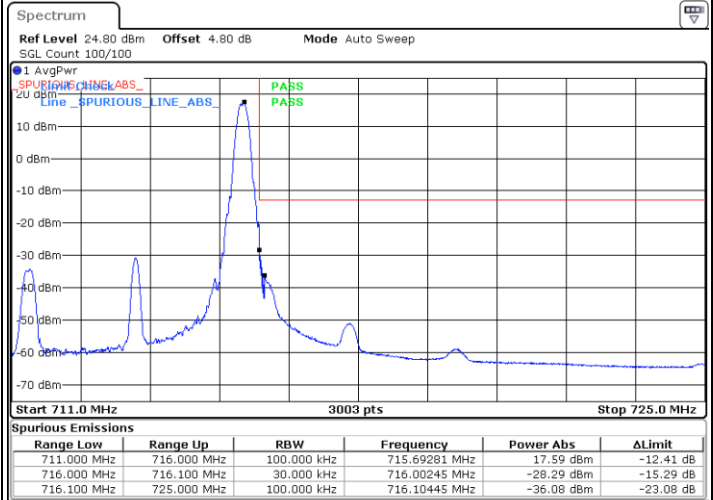


LTE Band 12 / 5MHz / 256QAM

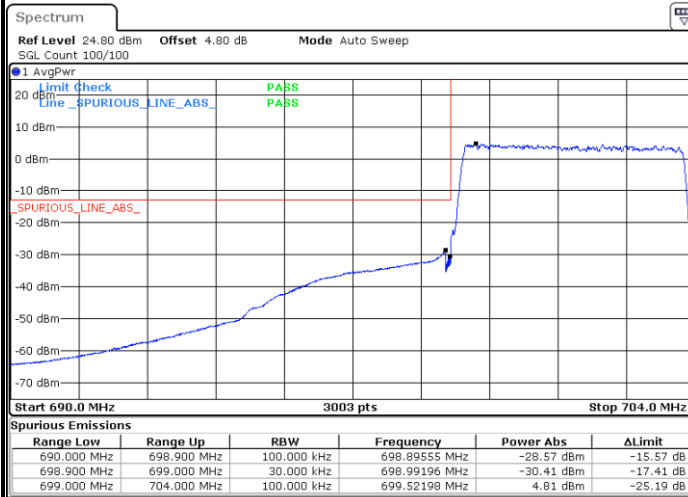
Lowest Band Edge / 1RB



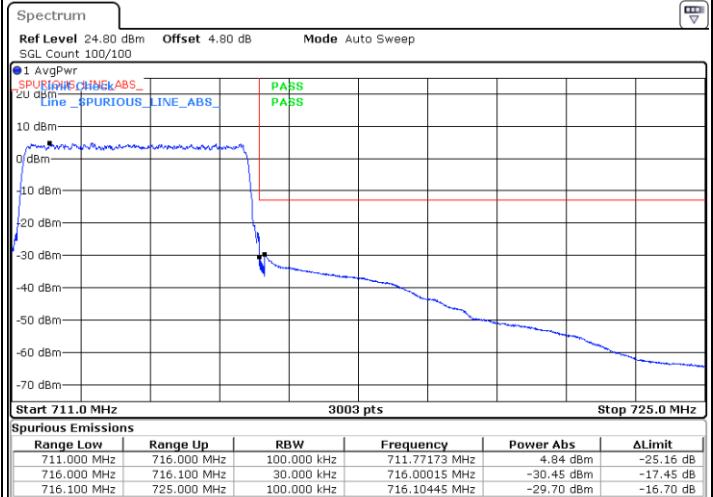
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



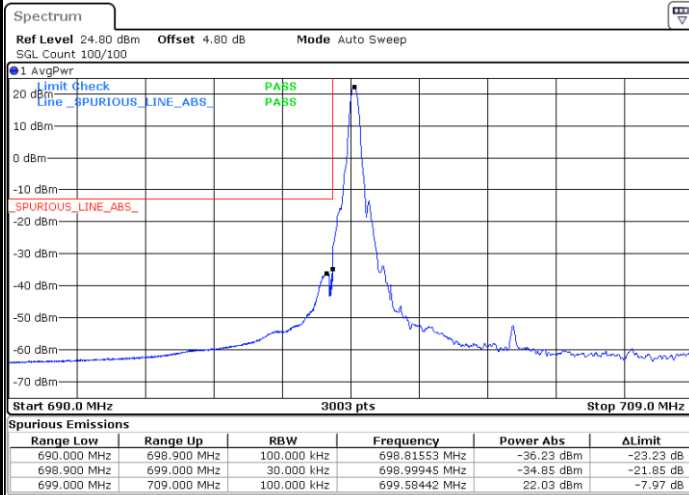
Highest Band Edge / Full RB



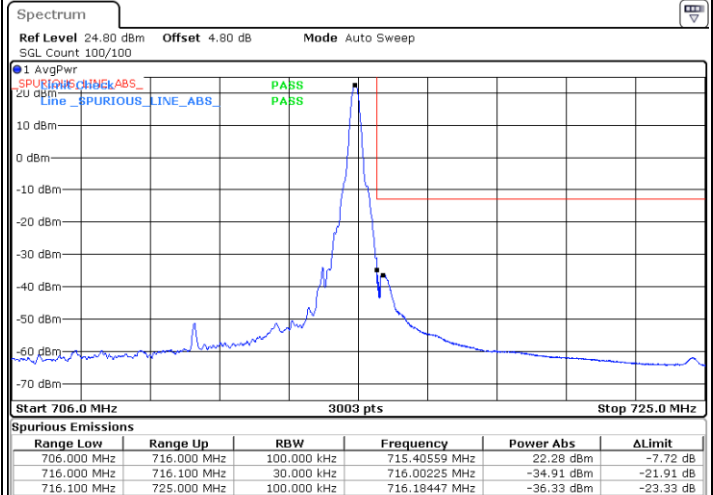


LTE Band 12 / 10MHz / QPSK

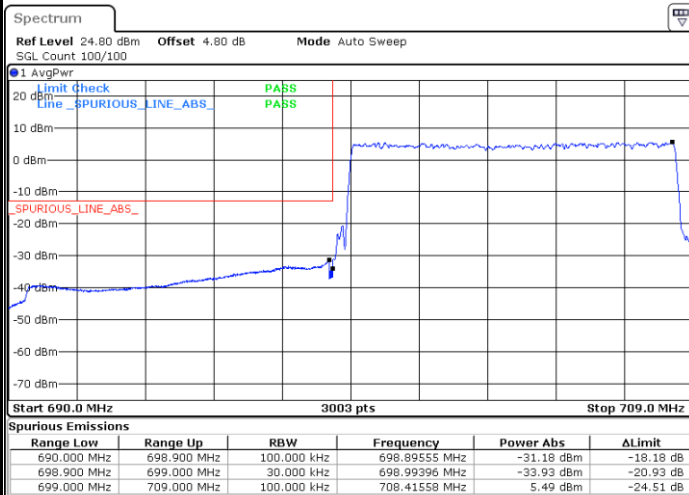
Lowest Band Edge / 1 RB



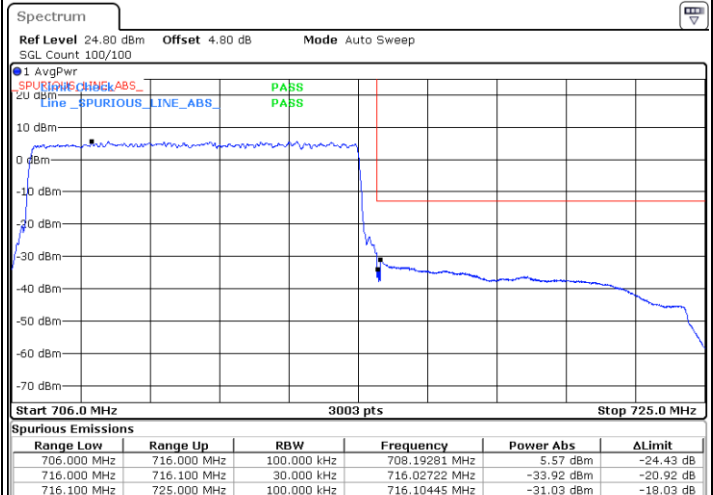
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



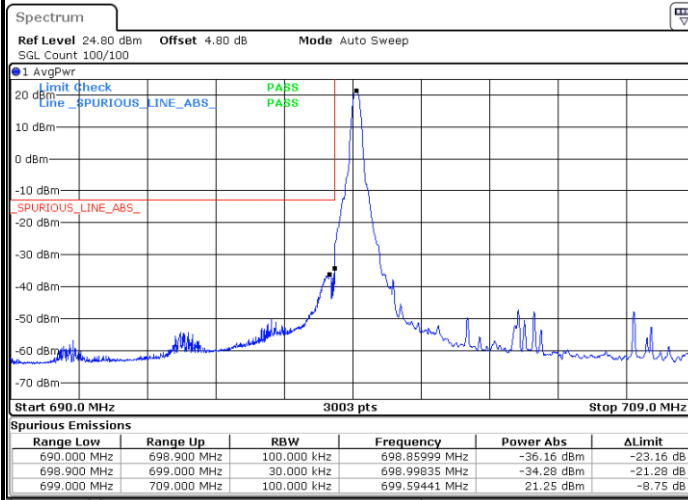
Highest Band Edge / Full RB



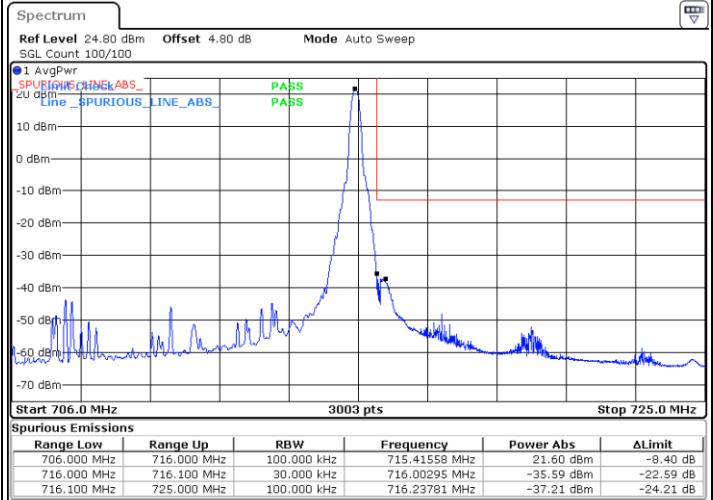


LTE Band 12 / 10MHz / 16QAM

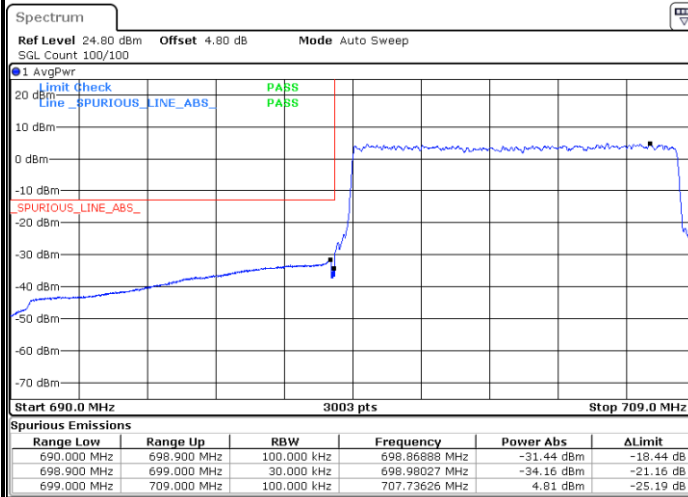
Lowest Band Edge / 1 RB



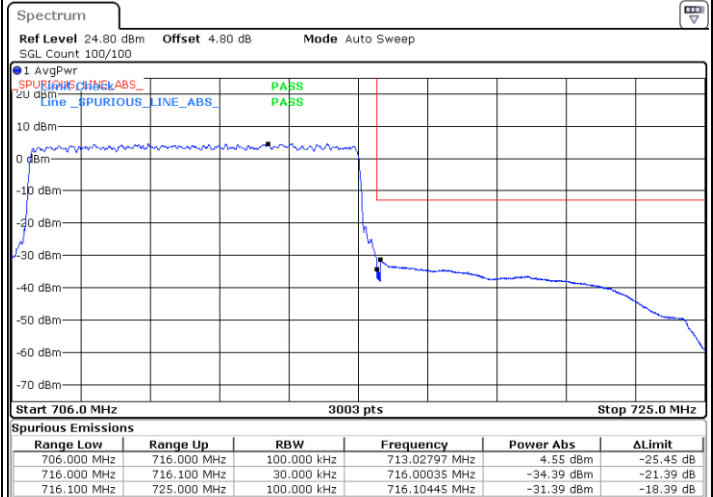
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



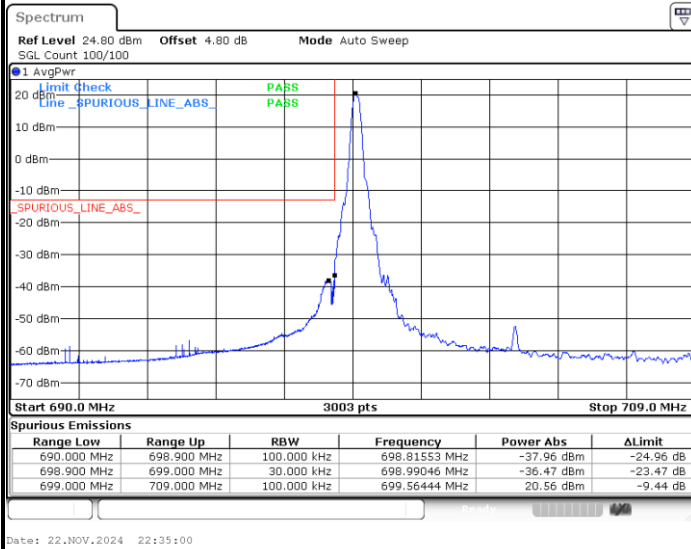
Highest Band Edge / Full RB



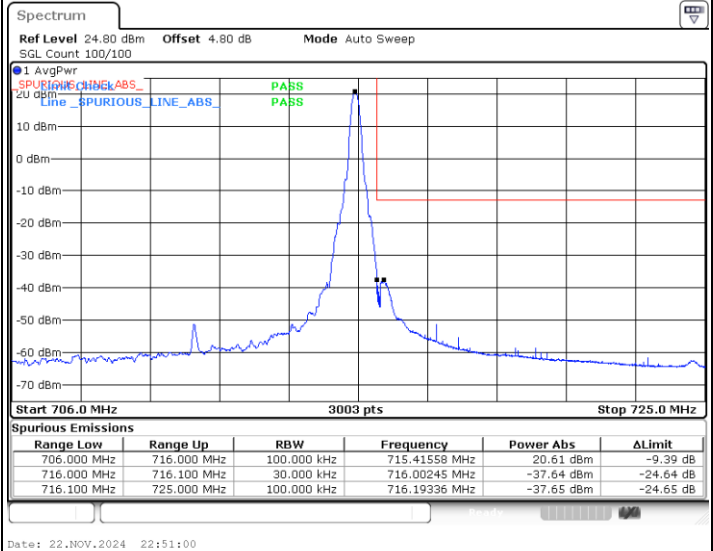


LTE Band 12 / 10MHz / 64QAM

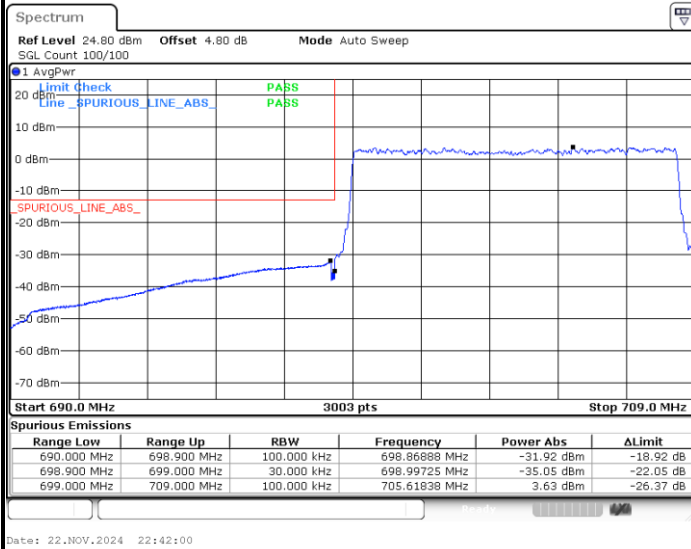
Lowest Band Edge / 1 RB



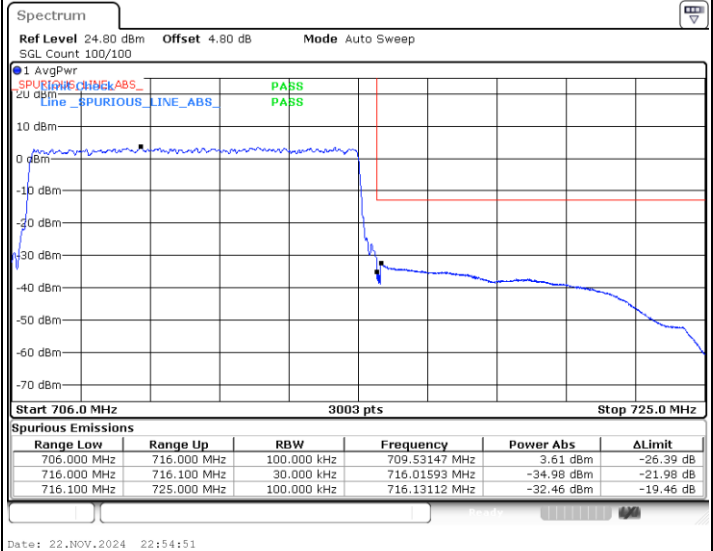
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



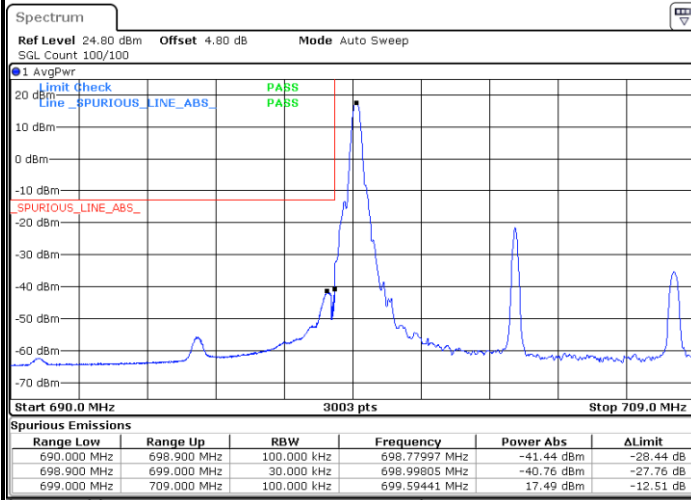
Highest Band Edge / Full RB



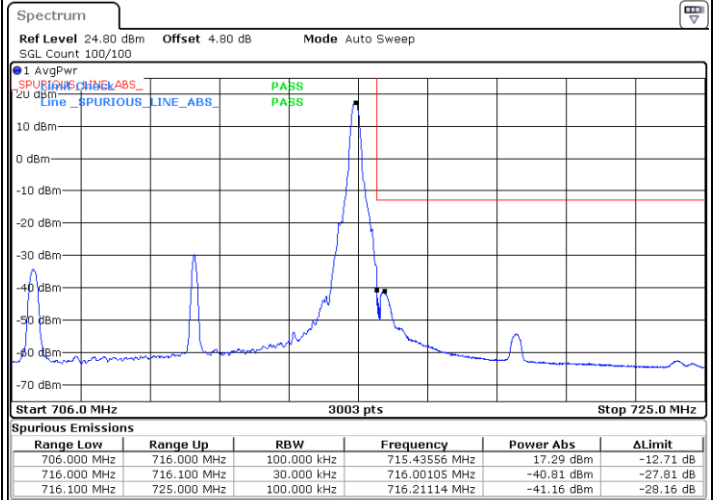


LTE Band 12 / 10MHz / 256QAM

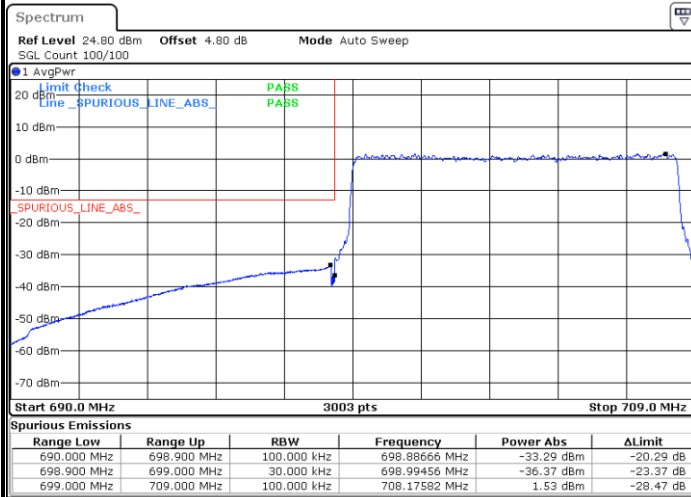
Lowest Band Edge / 1 RB



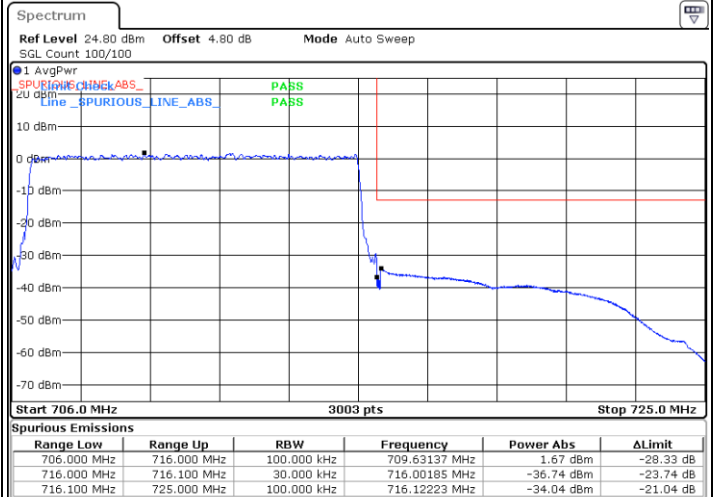
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

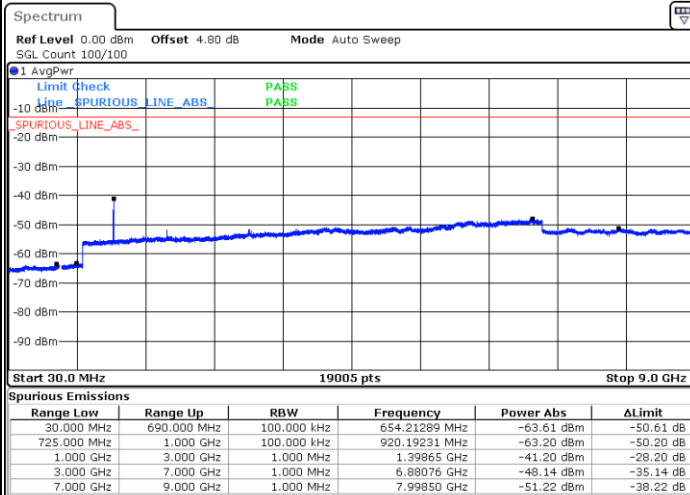




Conducted Spurious Emission

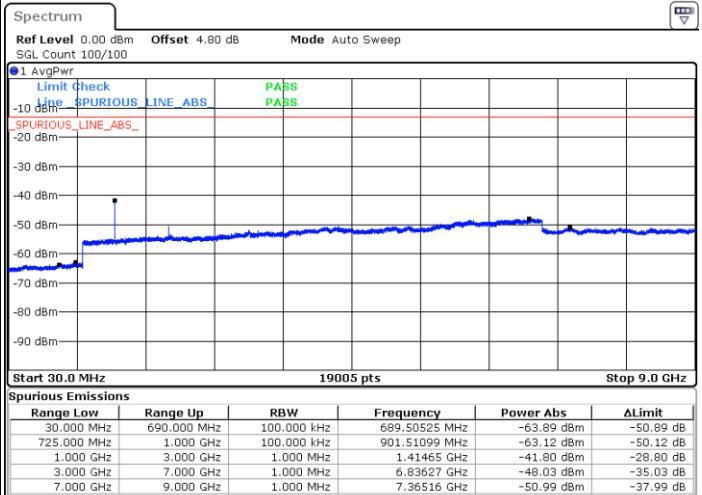
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



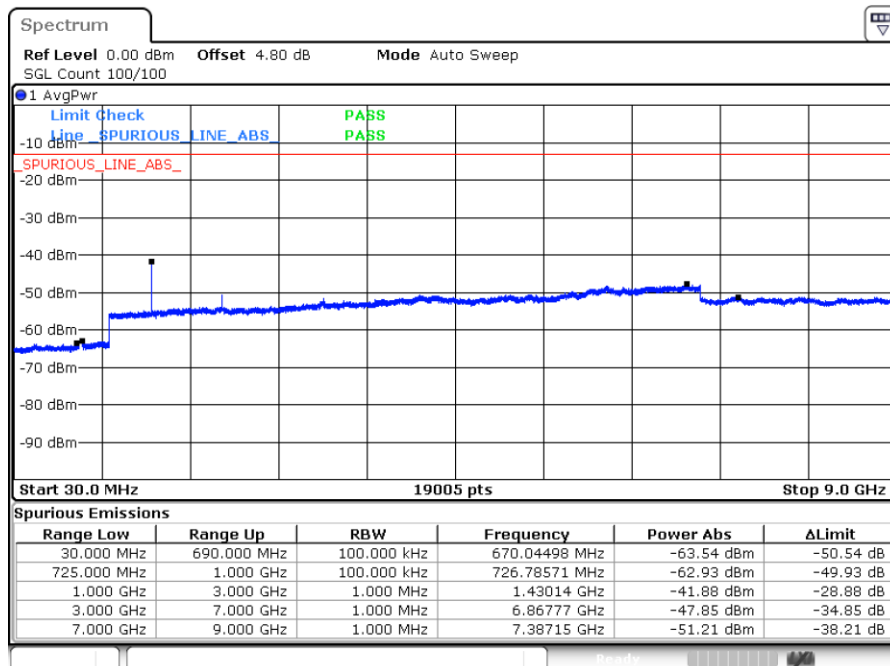
Date: 22.NOV.2024 21:02:01

Middle Channel / QPSK



Date: 22.NOV.2024 21:16:44

Highest Channel / QPSK



Date: 22.NOV.2024 21:18:06