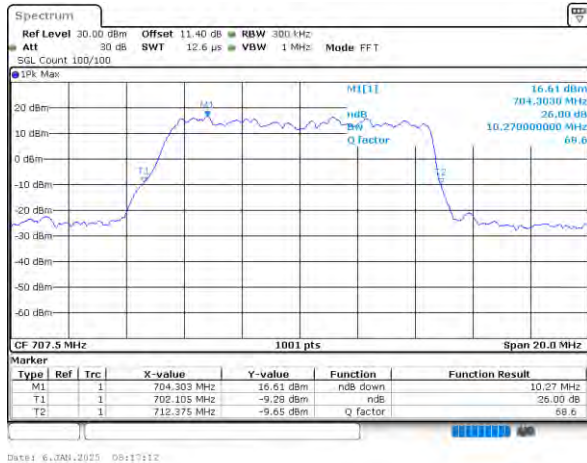


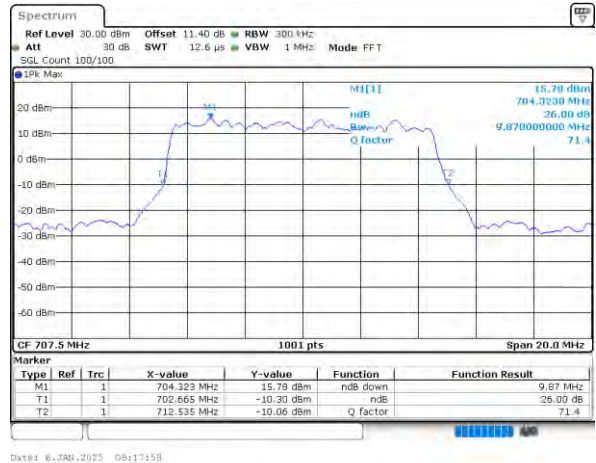


LTE Band 12

Middle Channel / 10MHz / QPSK

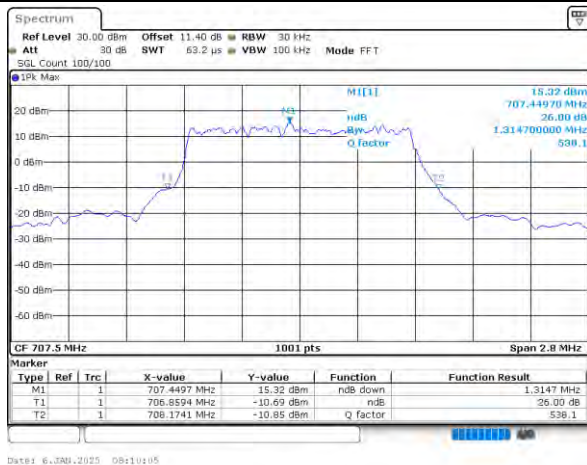


Middle Channel / 10MHz / 16QAM

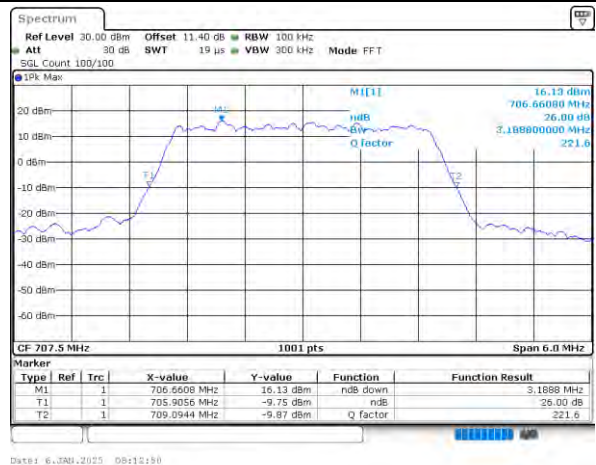


LTE Band 12

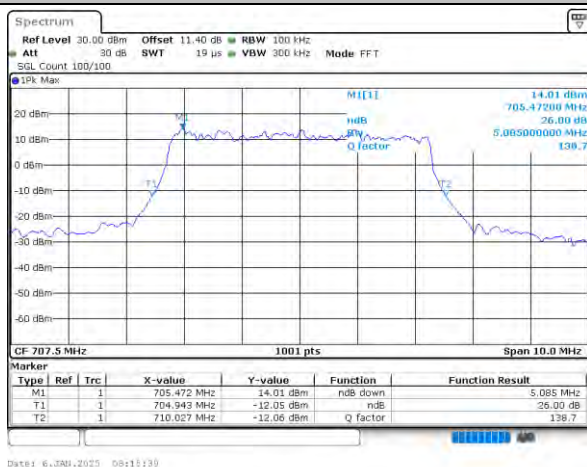
Middle Channel / 1.4MHz / 64QAM



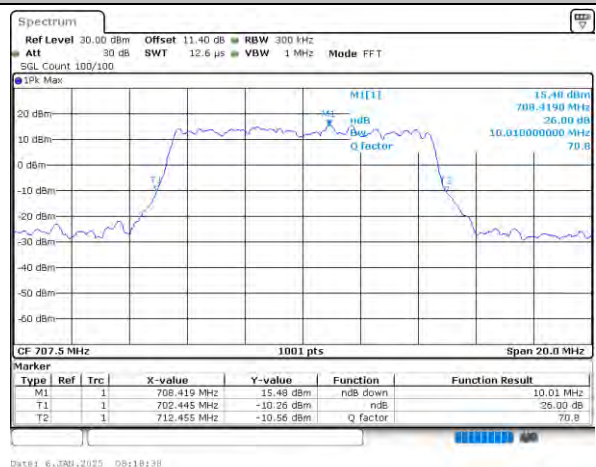
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM



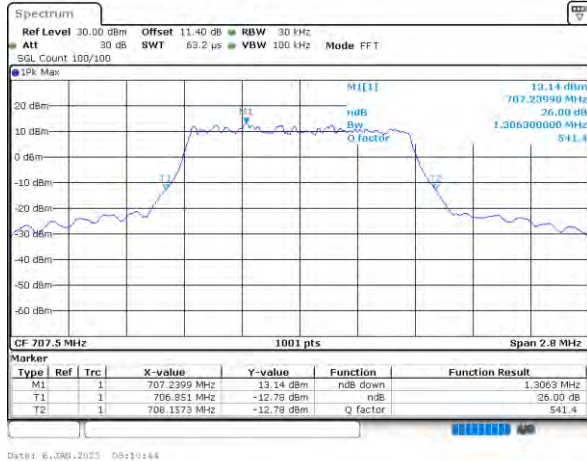
Middle Channel / 10MHz / 64QAM



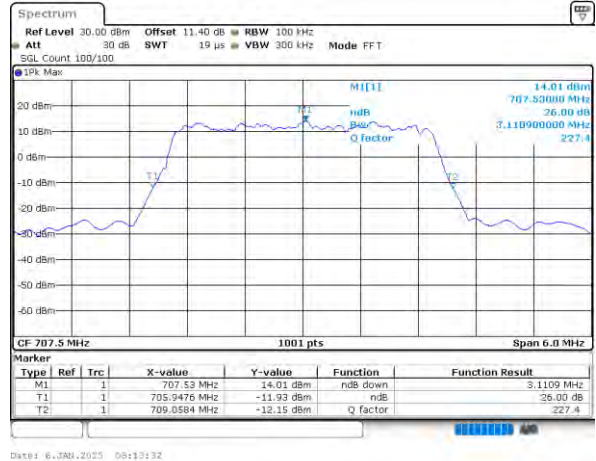


LTE Band 12

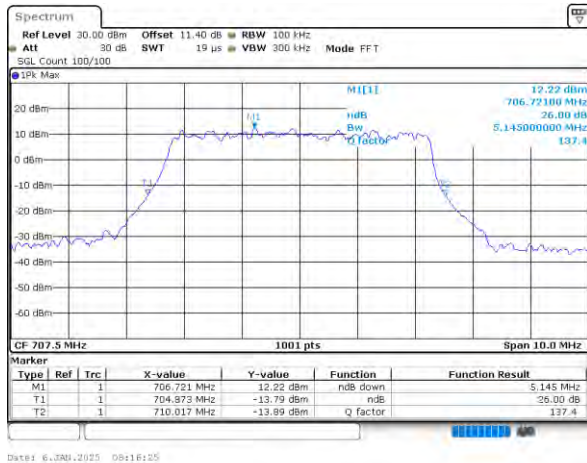
Middle Channel / 1.4MHz / 256QAM



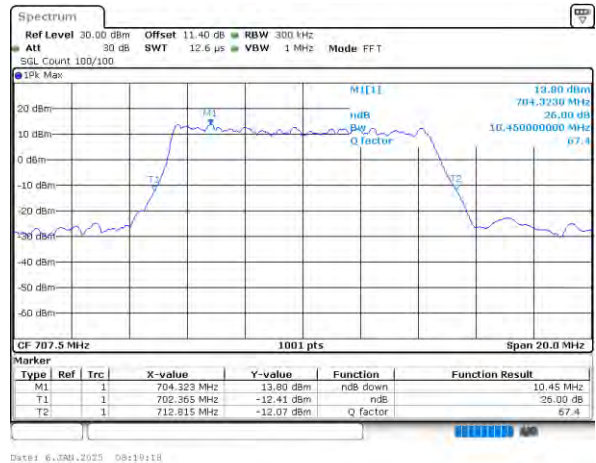
Middle Channel / 3MHz / 256QAM



Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



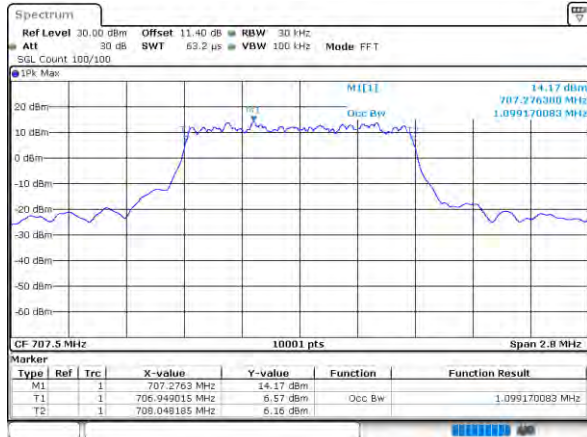
**Occupied Bandwidth**

Mode	LTE Band 12 : 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	1.09	1.09	2.73	2.72	4.50	4.49	9.00	9.05	-	-	-	-
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.11	1.09	2.73	2.72	4.51	4.49	9.07	8.84	-	-	-	-

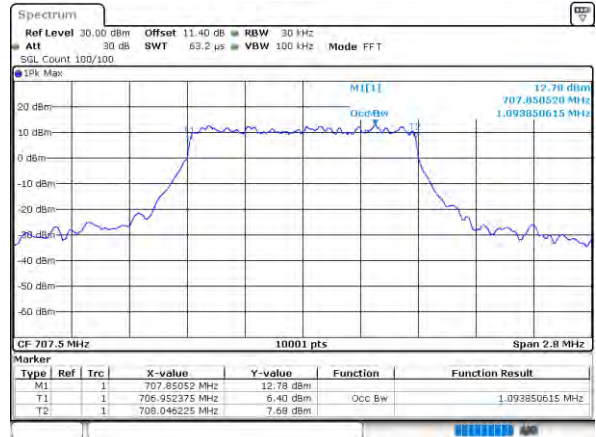


LTE Band 12

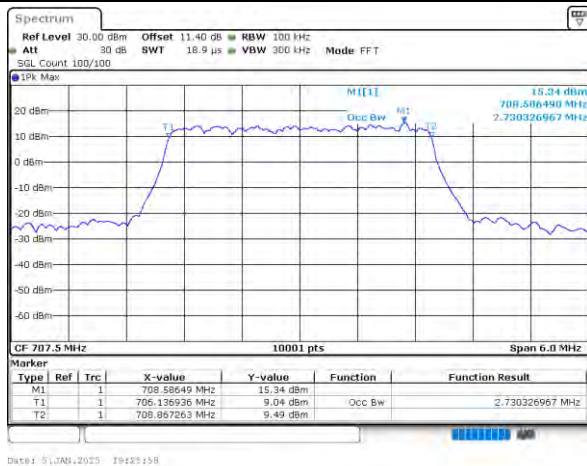
Middle Channel / 1.4MHz / QPSK



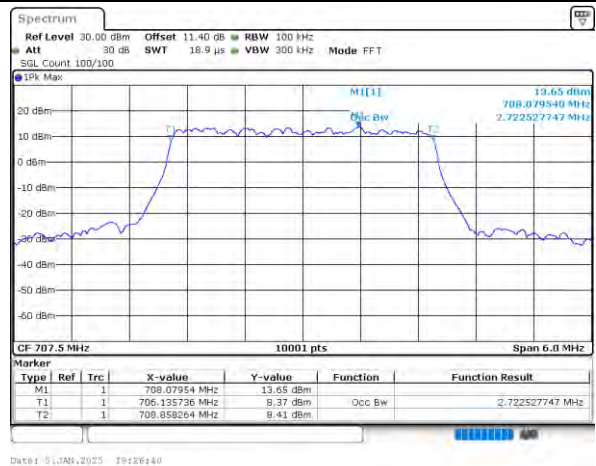
Middle Channel / 1.4MHz / 16QAM



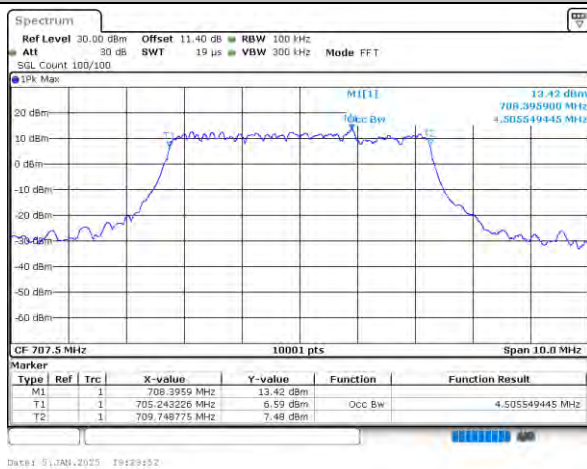
Middle Channel / 3MHz / QPSK



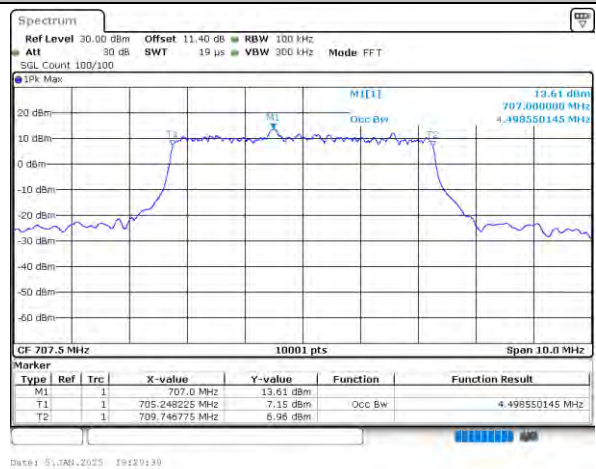
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



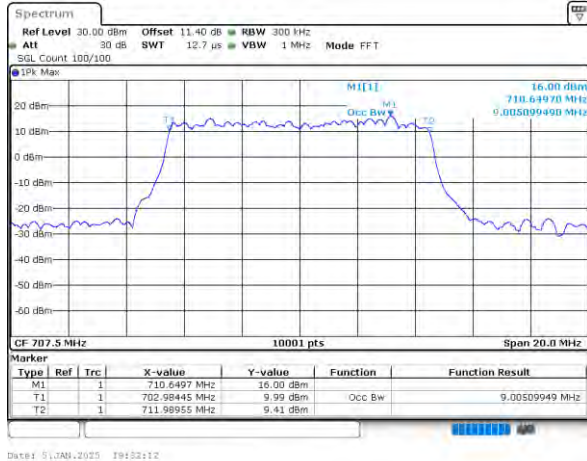
Middle Channel / 5MHz / 16QAM



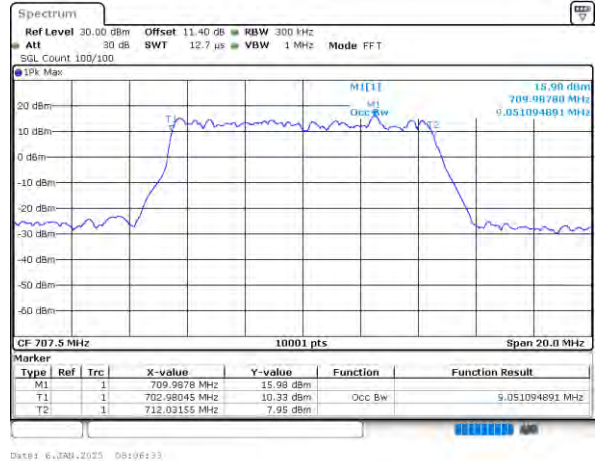


LTE Band 12

Middle Channel / 10MHz / QPSK

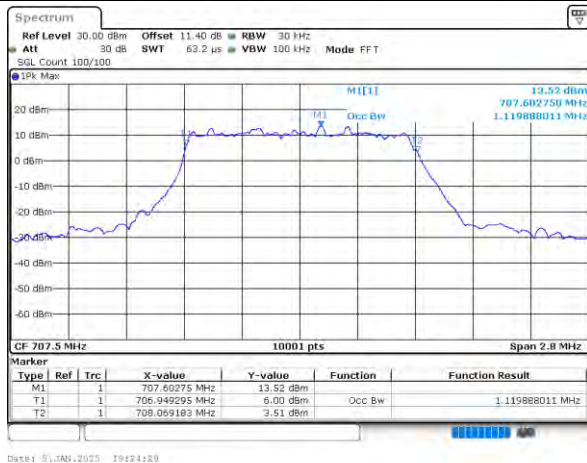


Middle Channel / 10MHz / 16QAM

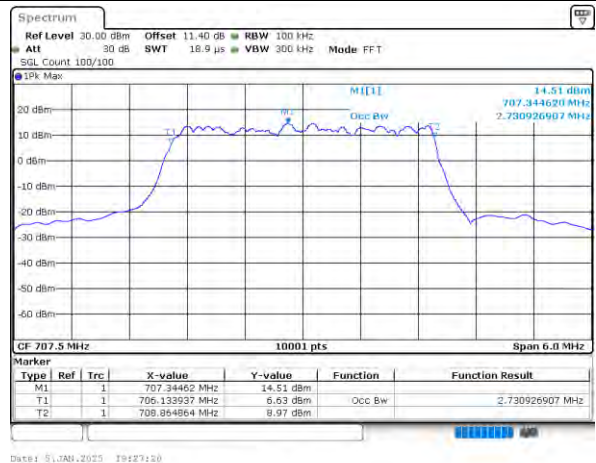


LTE Band 12

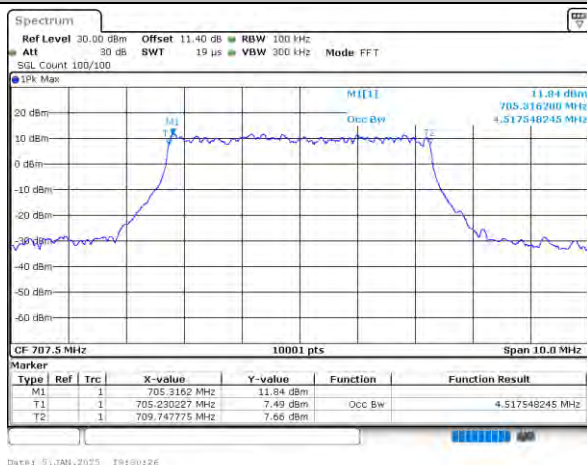
Middle Channel / 1.4MHz / 64QAM



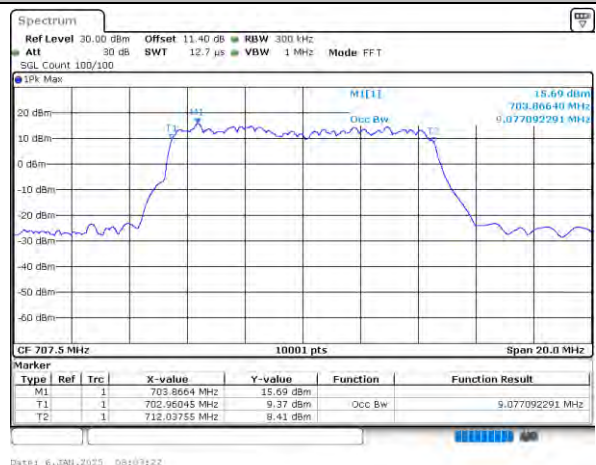
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM



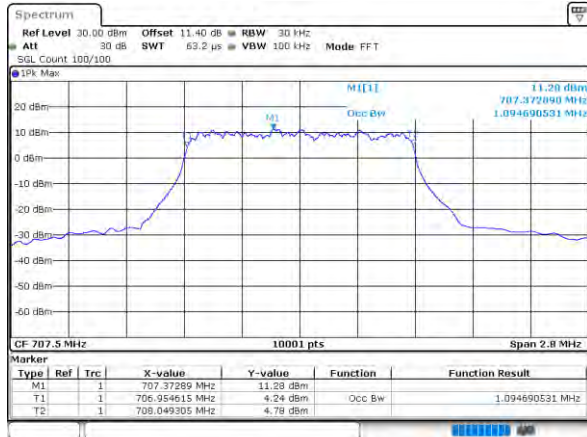
Middle Channel / 10MHz / 64QAM



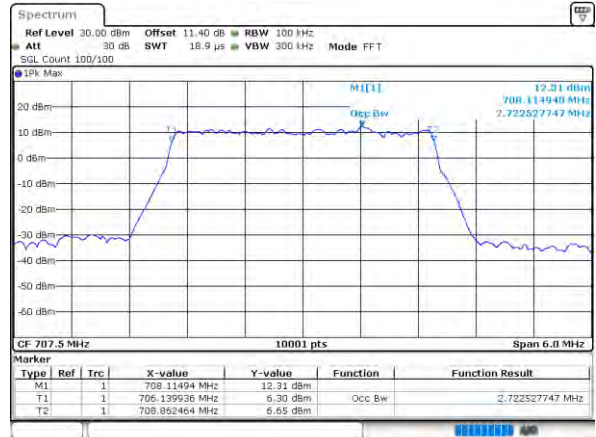


LTE Band 12

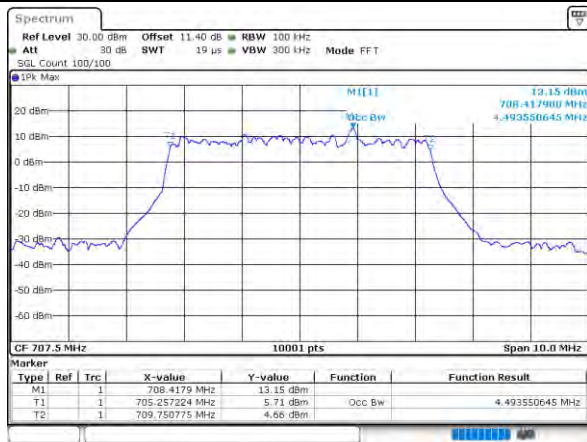
Middle Channel / 1.4MHz / 256QAM



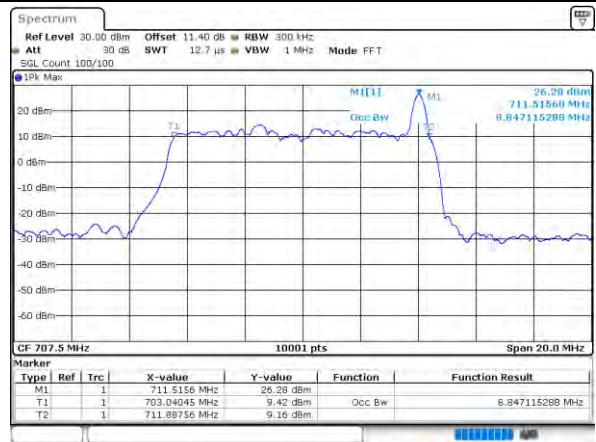
Middle Channel / 3MHz / 256QAM



Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM

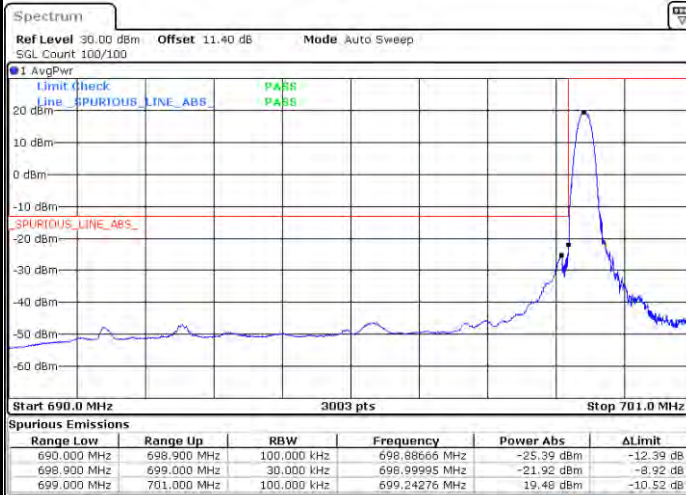


**Conducted Band Edge****LTE Band 12 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



LTE Band 12 / 1.4MHz / 16QAM

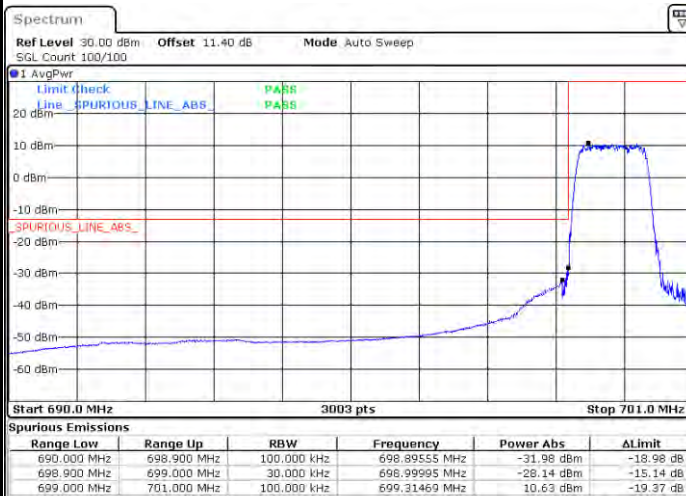
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





LTE Band 12 / 1.4MHz / 64QAM

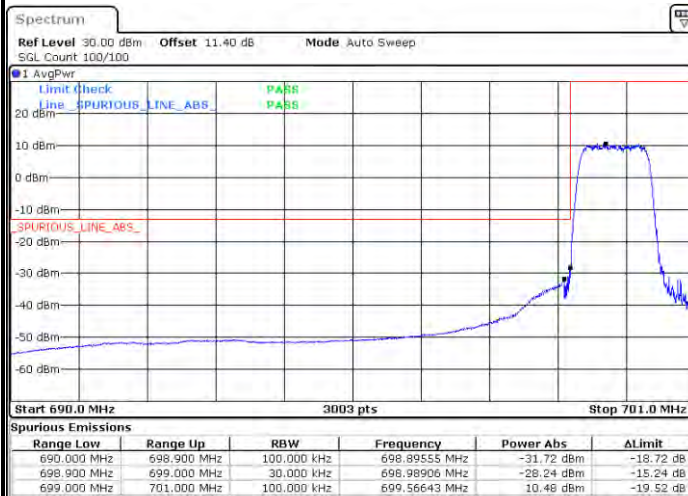
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





LTE Band 12 / 1.4MHz / 256QAM

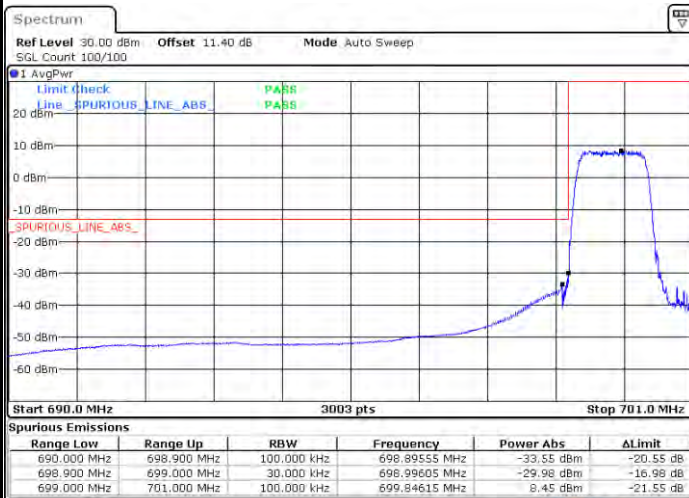
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / Full RB

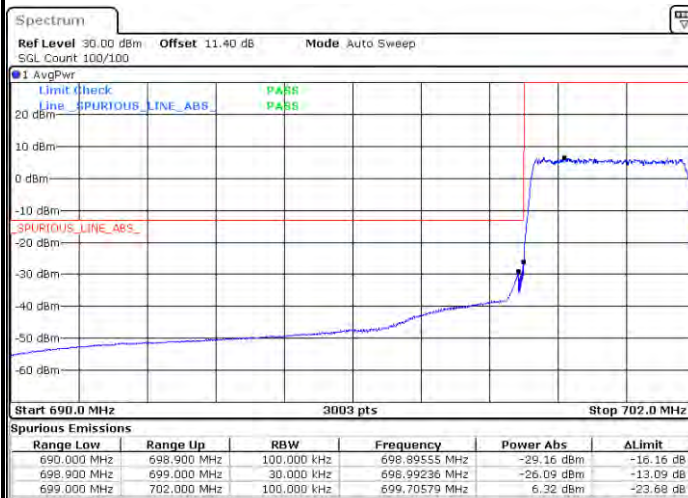


Highest Band Edge / Full RB



LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / Full RB

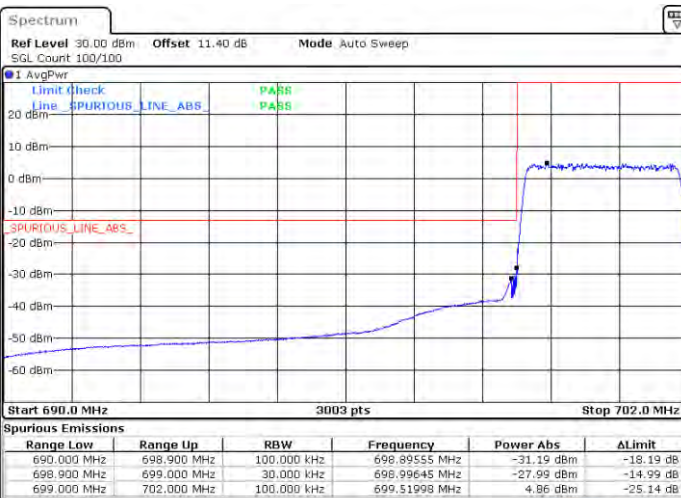


Highest Band Edge / Full RB

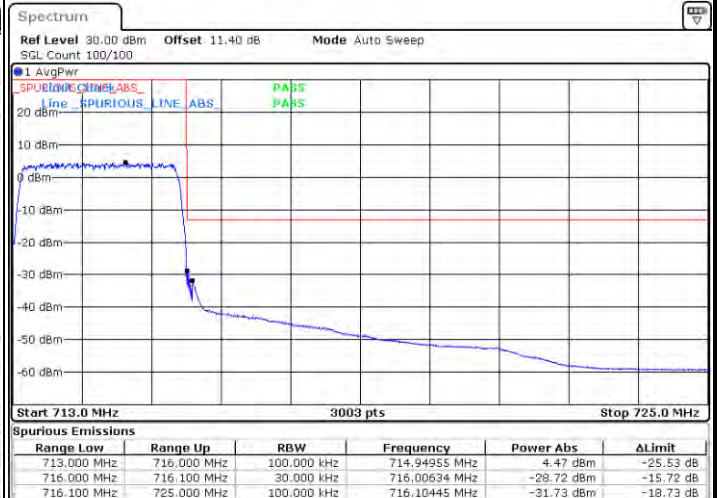


LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / Full RB



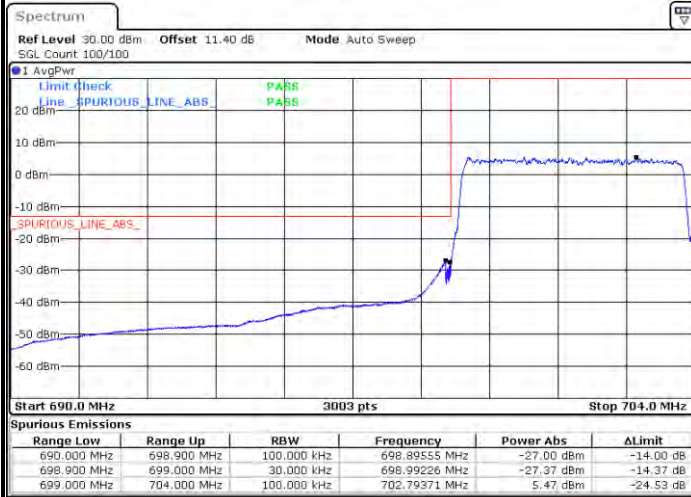
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / Full RB

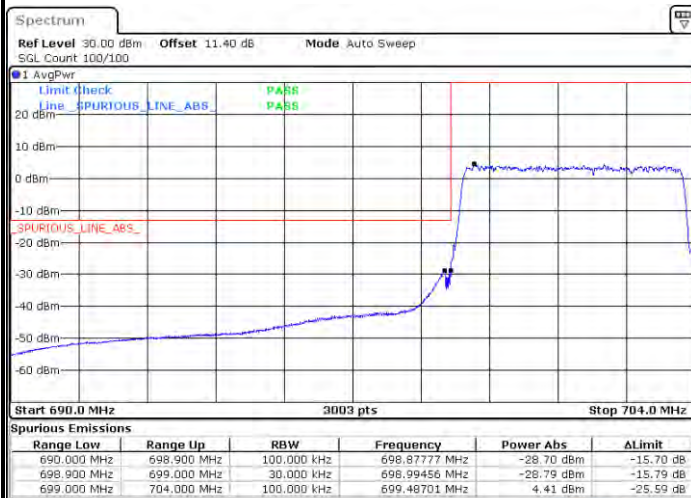


Highest Band Edge / Full RB

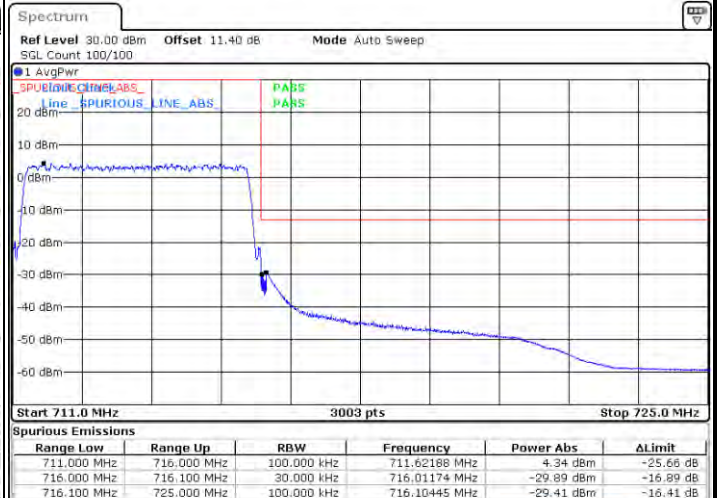


LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / Full RB



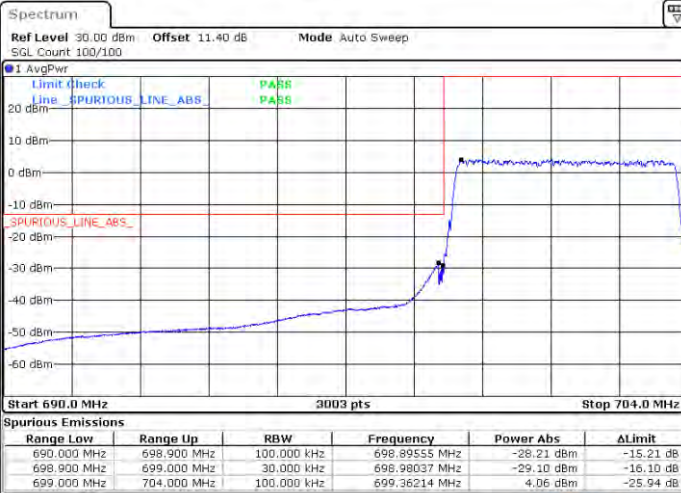
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / Full RB

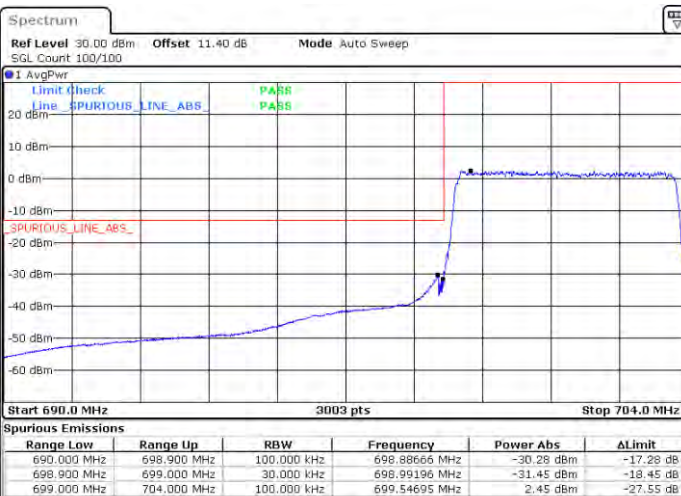


Highest Band Edge / Full RB



LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / Full RB



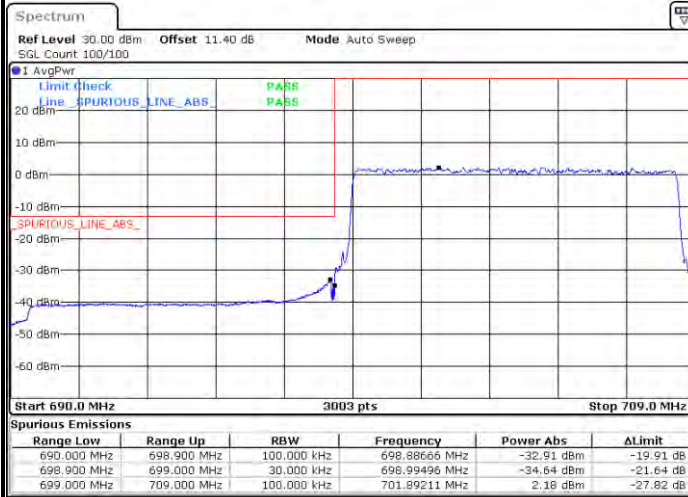
Highest Band Edge / Full RB





LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / Full RB

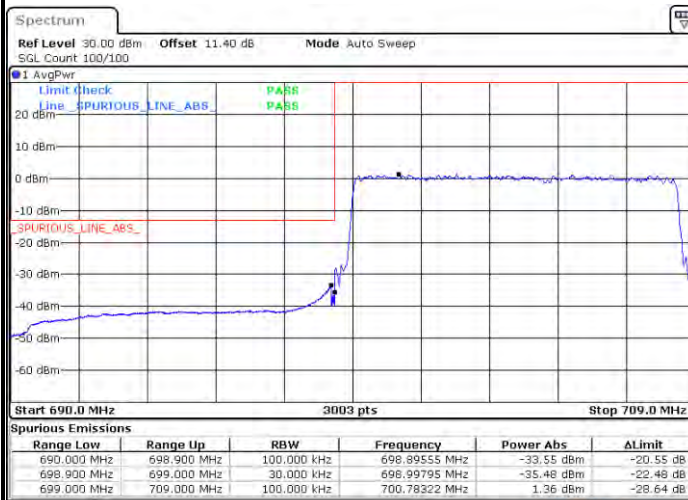


Highest Band Edge / Full RB



LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / Full RB



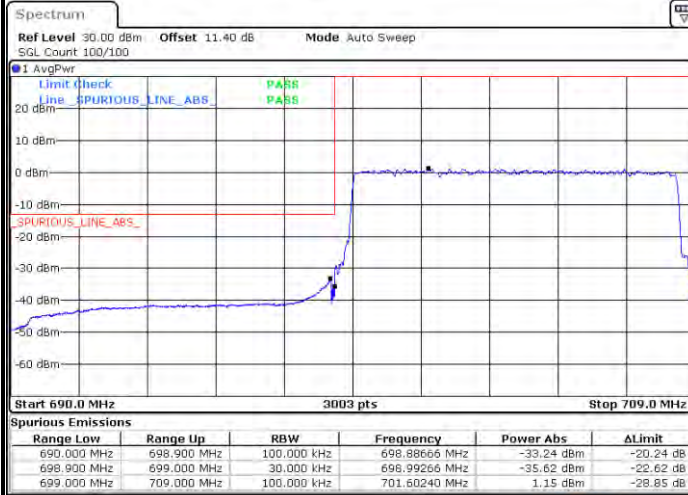
Highest Band Edge / Full RB





LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / Full RB

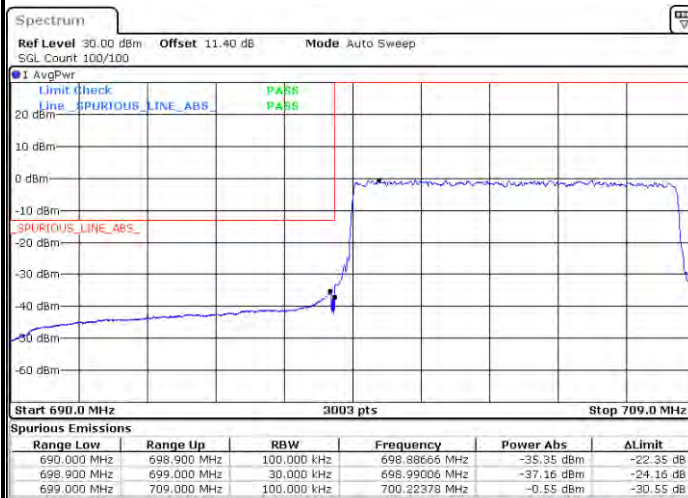


Highest Band Edge / Full RB



LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

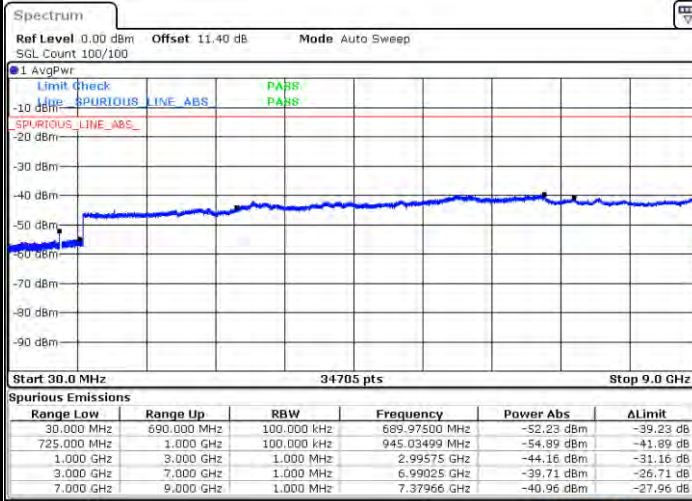




Conducted Spurious Emission

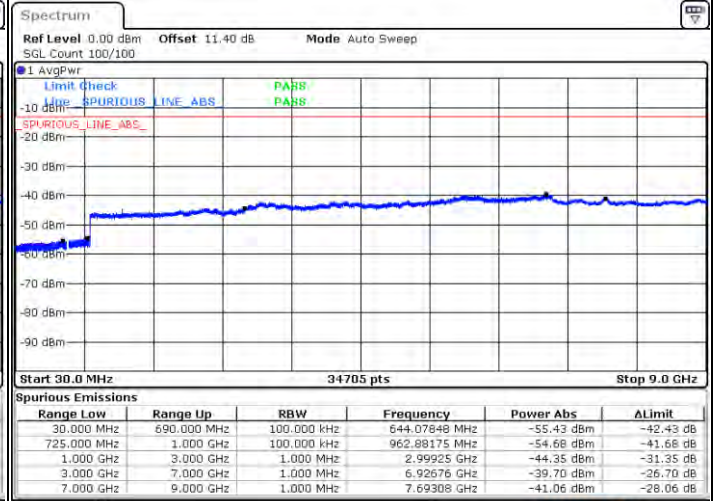
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



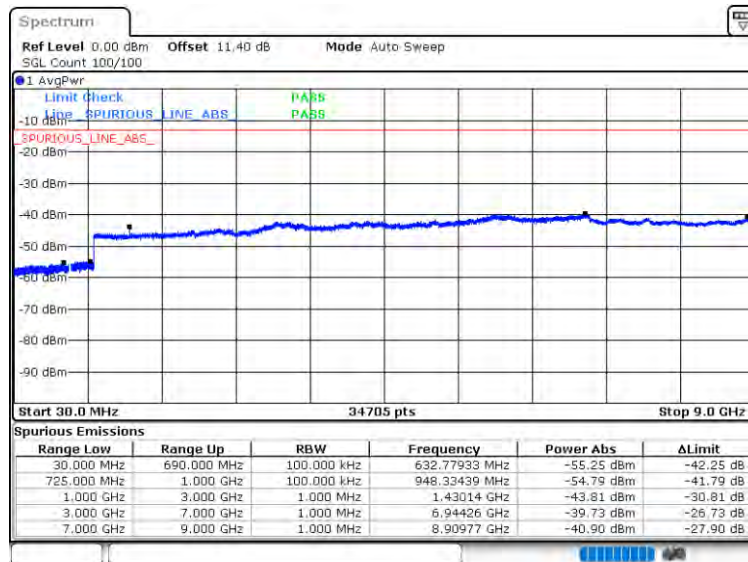
Date: 6.JAN.2025 08:20:54

Middle Channel / QPSK



Date: 6.JAN.2025 08:22:29

Highest Channel / QPSK

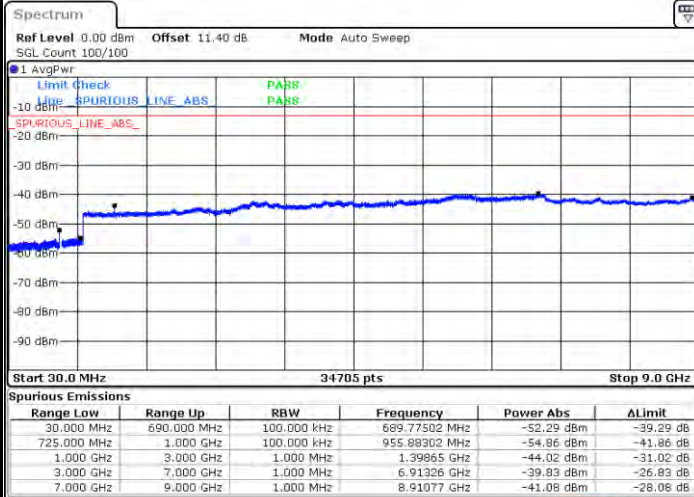


Date: 6.JAN.2025 08:24:02



LTE Band 12 / 3MHz

Lowest Channel / QPSK



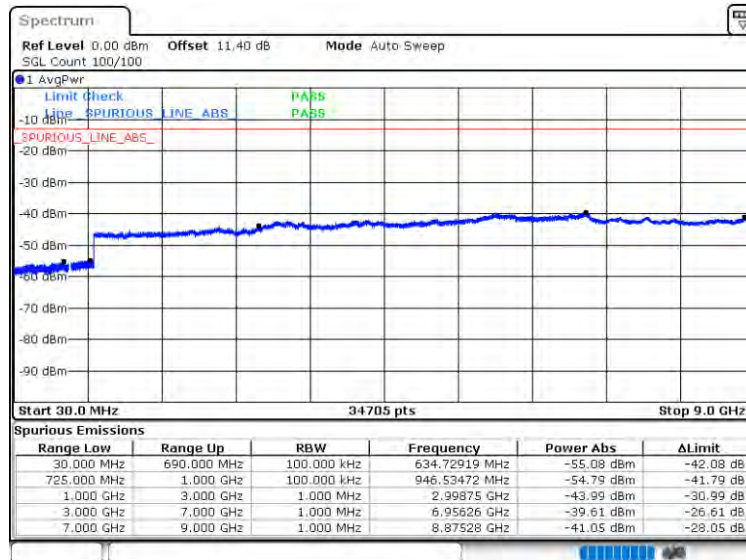
Date: 6.JAN.2025 08:25:41

Middle Channel / QPSK



Date: 6.JAN.2025 08:27:14

Highest Channel / QPSK

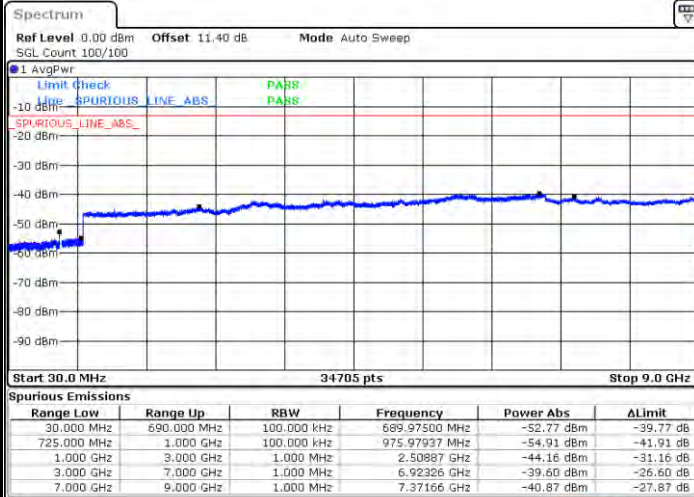


Date: 6.JAN.2025 08:28:47



LTE Band 12 / 5MHz

Lowest Channel / QPSK



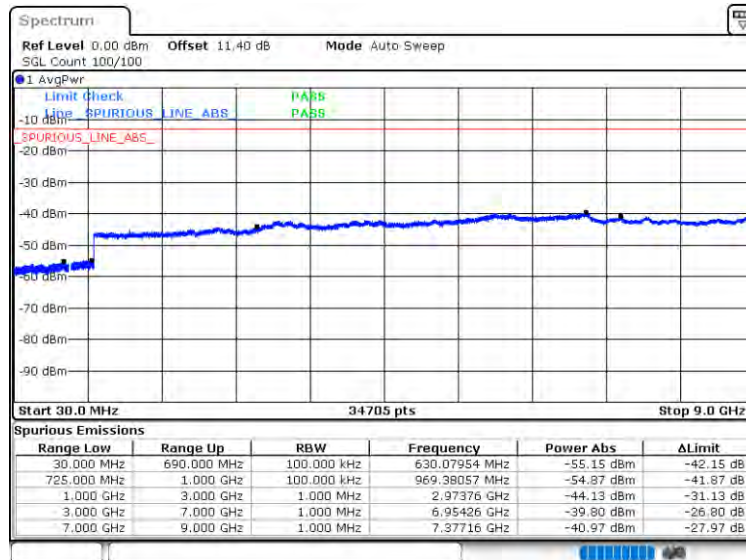
Date: 6.JAN.2025 08:30:12

Middle Channel / QPSK



Date: 6.JAN.2025 08:32:10

Highest Channel / QPSK

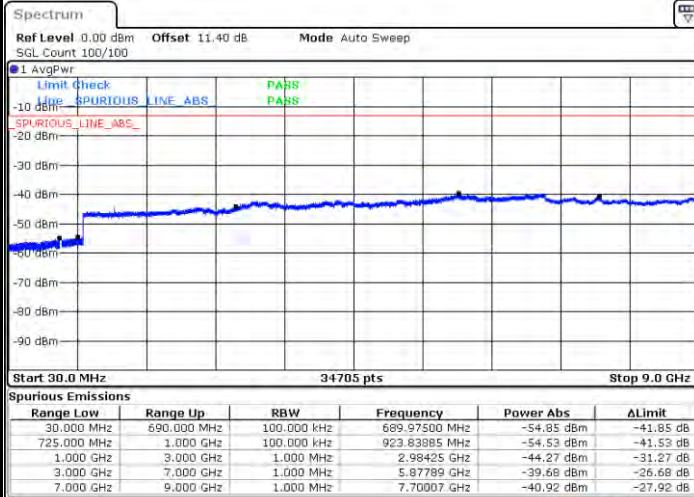


Date: 6.JAN.2025 08:33:46



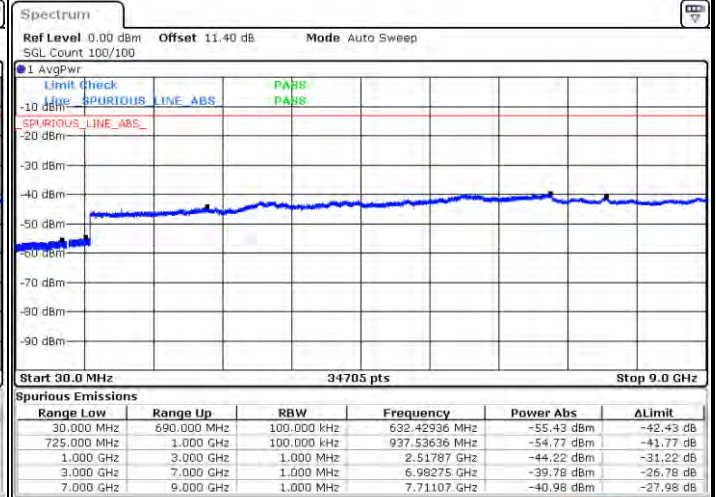
LTE Band 12 / 10MHz

Lowest Channel / QPSK



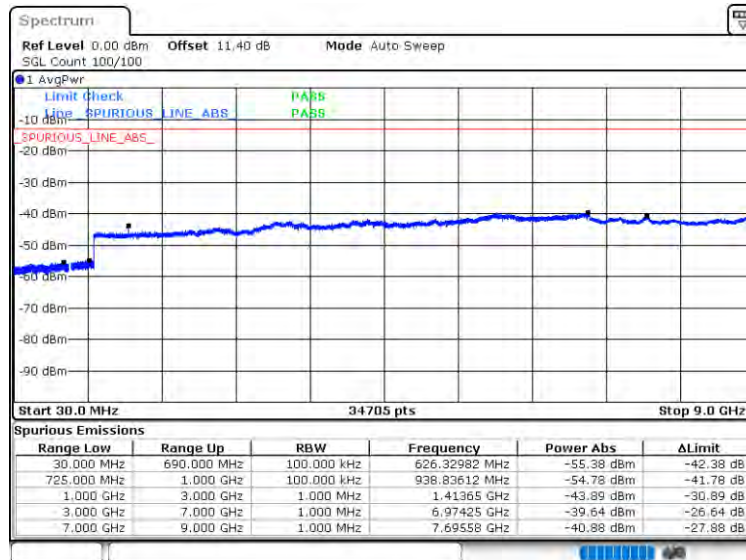
Date: 6, JAN, 2025 08:35:27

Middle Channel / QPSK



Date: 6, JAN, 2025 08:37:00

Highest Channel / QPSK



Date: 6, JAN, 2025 08:38:35

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0090	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0122	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0028	

Note:

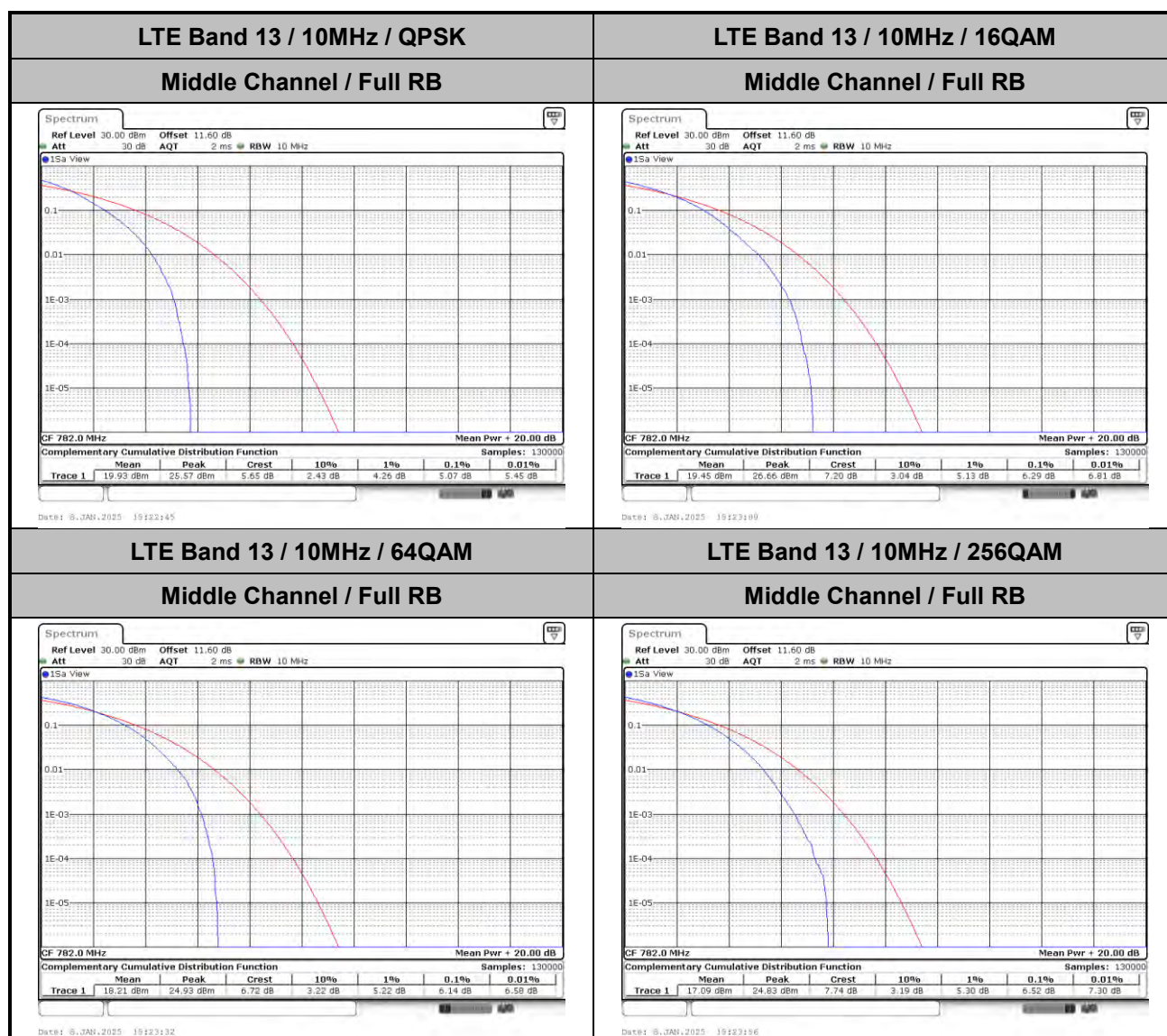
1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.07	6.29	6.14	6.52	PASS



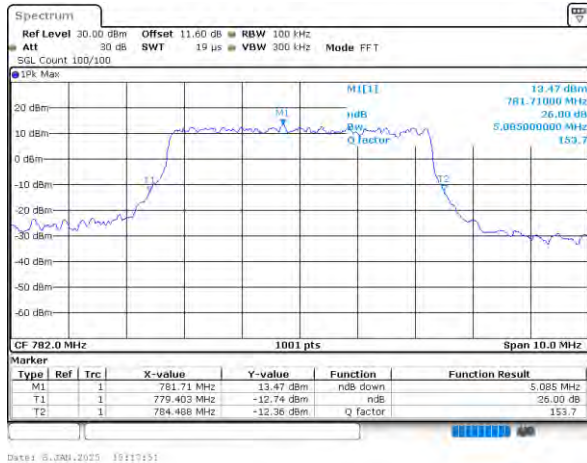
**26dB Bandwidth**

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	-	-	-	-	5.08	5.08	9.85	9.89	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	5.27	5.02	10.50	10.03	-	-	-	-

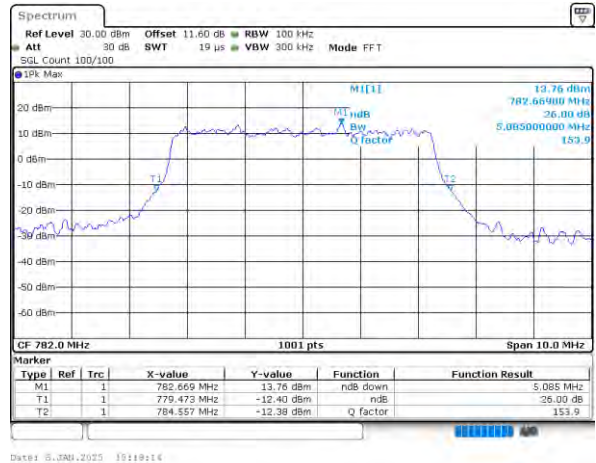


LTE Band 13

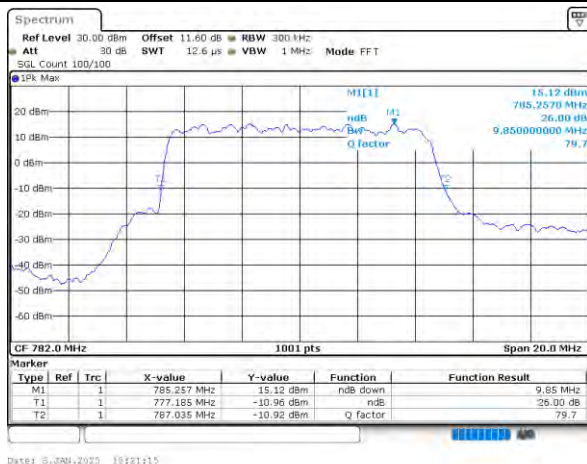
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



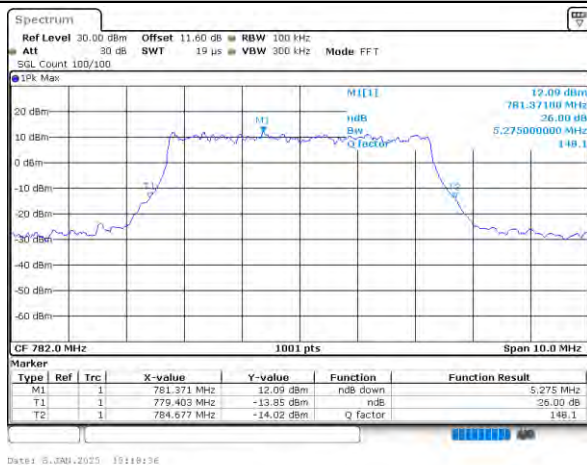
Middle Channel / 10MHz / QPSK



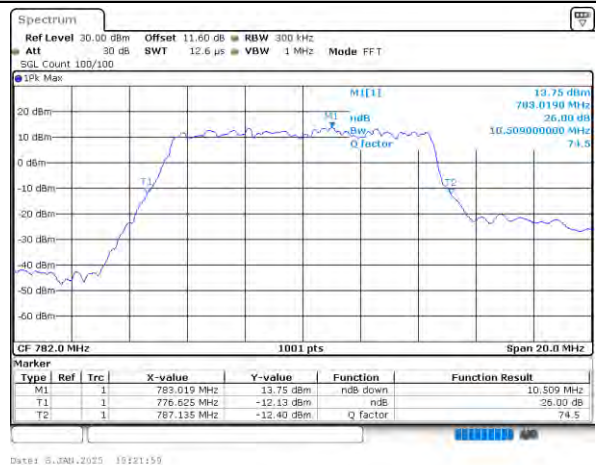
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



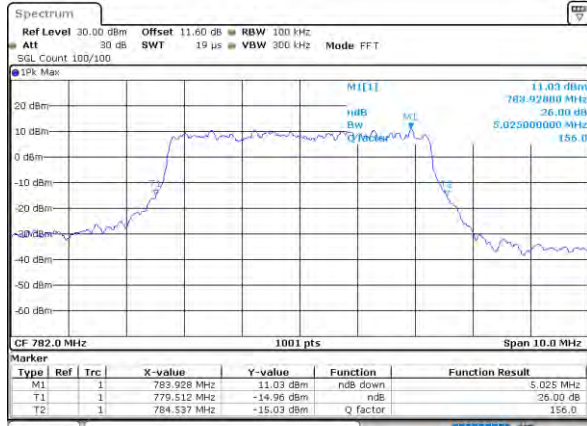
Middle Channel / 10MHz / 64QAM





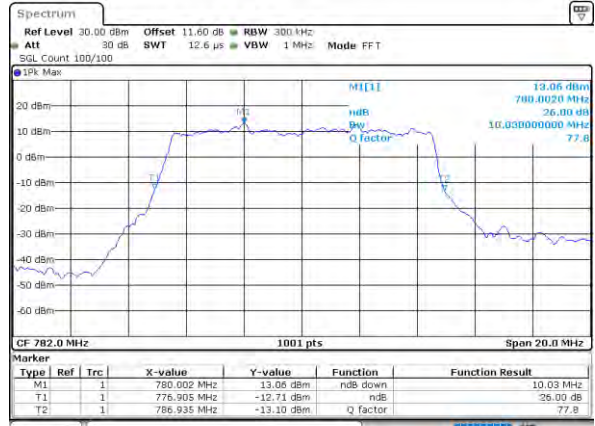
LTE Band 13

Middle Channel / 5MHz / 256QAM



Date: 6.2025 15:18:58

Middle Channel / 10MHz / 256QAM



Date: 6.2025 15:22:22

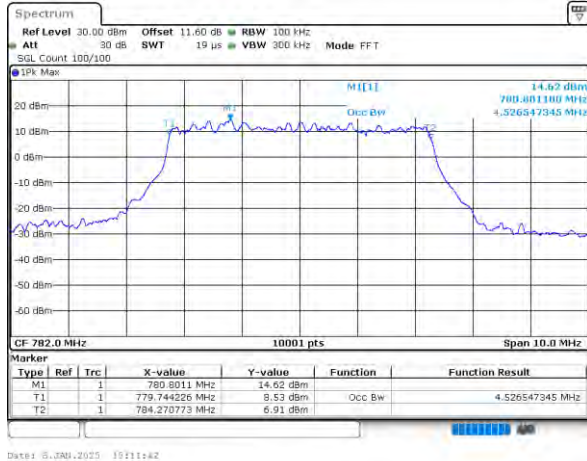
**Occupied Bandwidth**

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.52	4.48	9.01	8.99	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.53	4.48	9.07	9.00	-	-	-	-

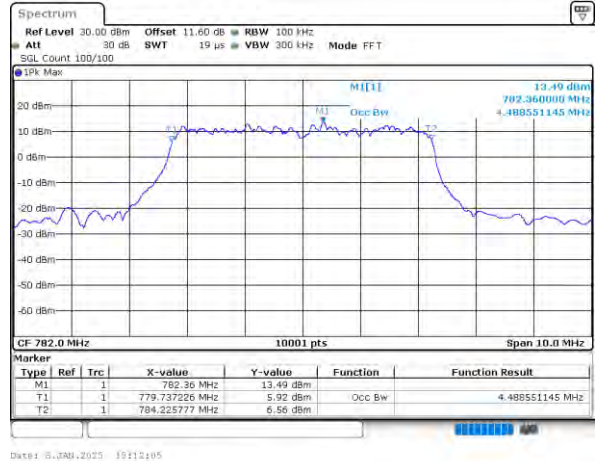


LTE Band 13

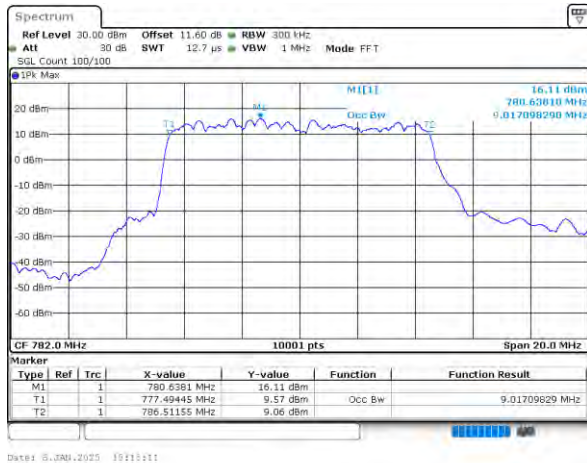
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



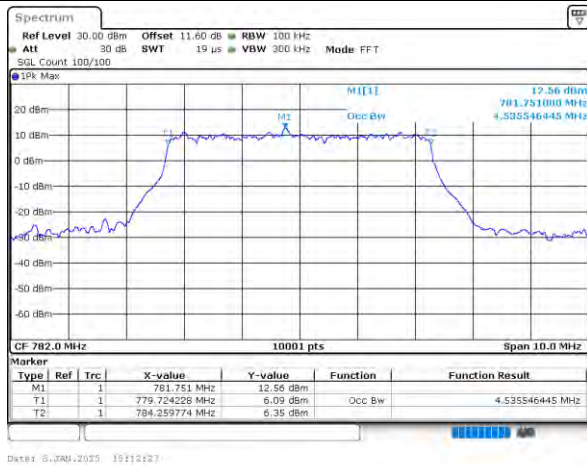
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



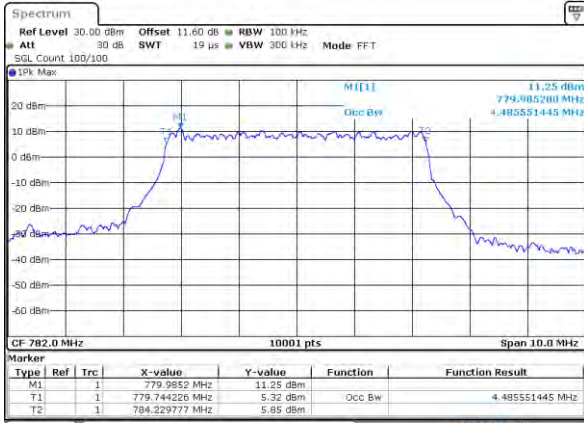
Middle Channel / 10MHz / 64QAM





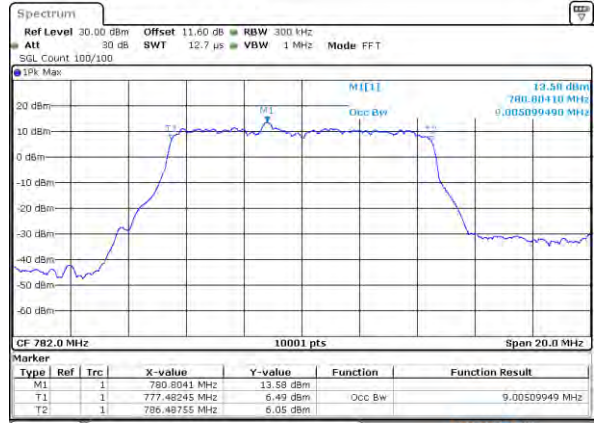
LTE Band 13

Middle Channel / 5MHz / 256QAM

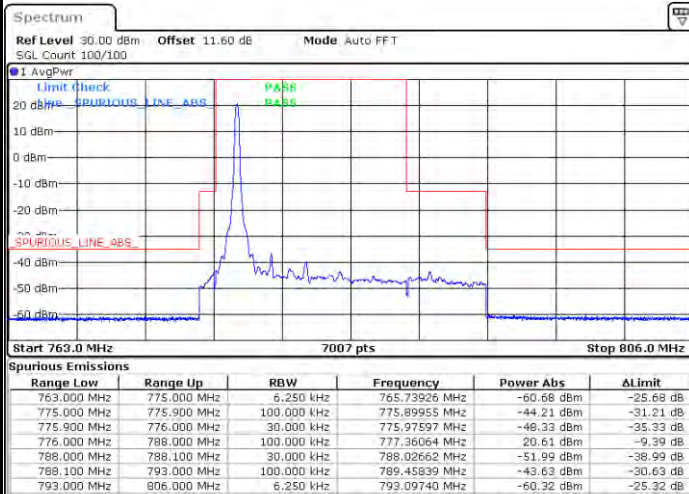
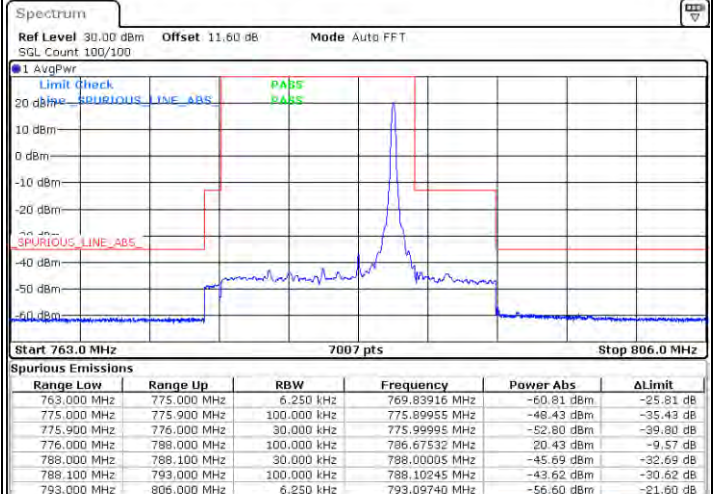
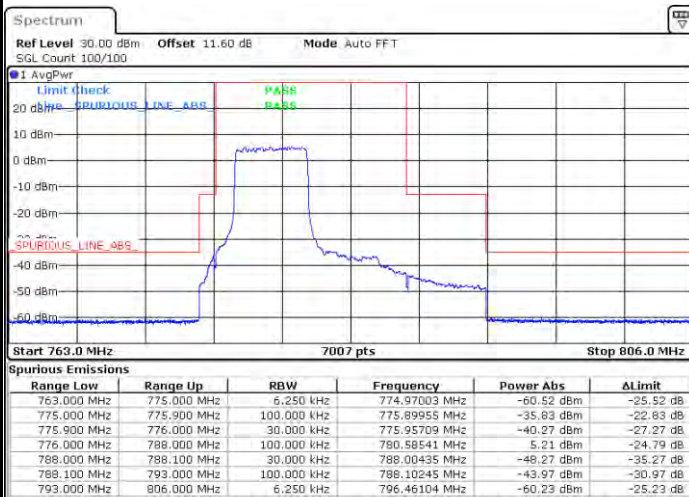
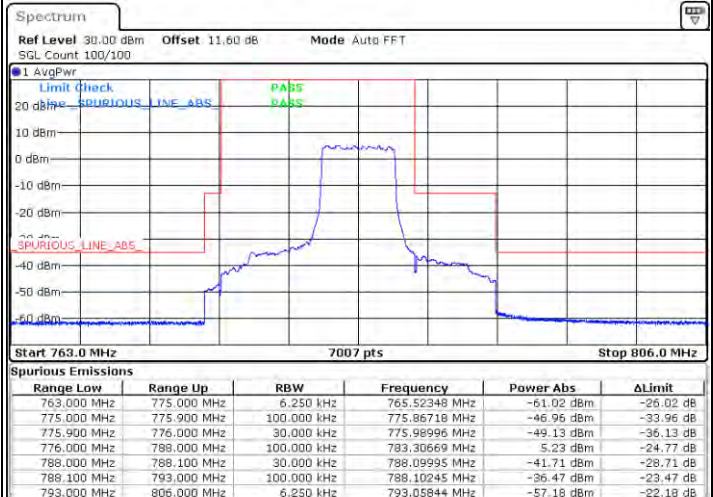


Date: 6.30.2025 15:11:50

Middle Channel / 10MHz / 256QAM



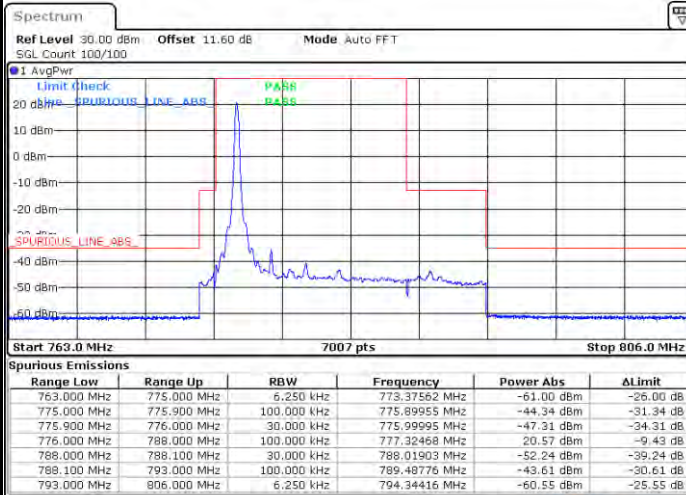
Date: 6.30.2025 15:16:18

**Conducted Band Edge****LTE Band 13 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

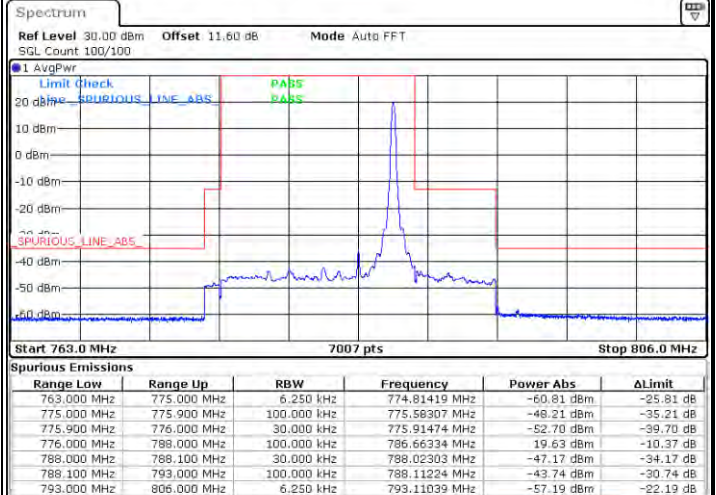


LTE Band 13 / 5MHz / 16QAM

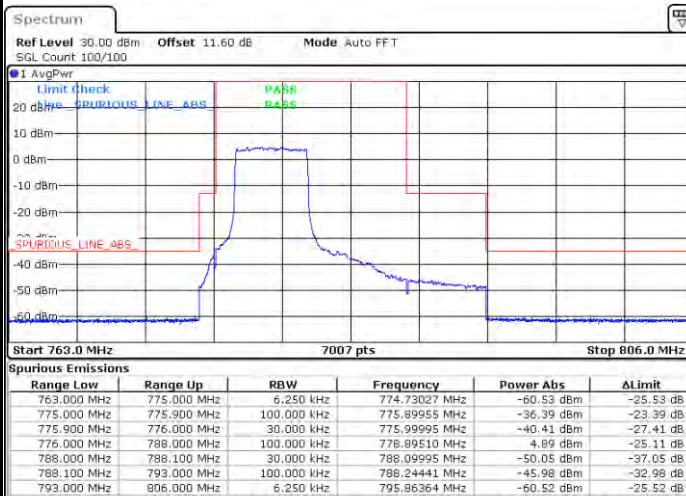
Lowest Band Edge / 1 RB



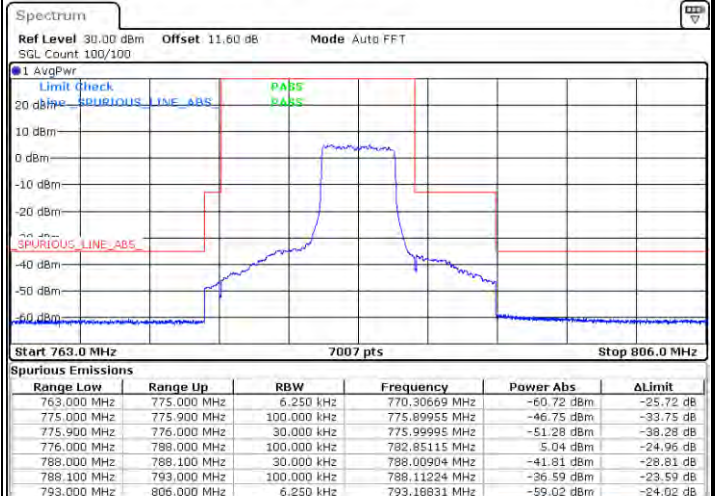
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



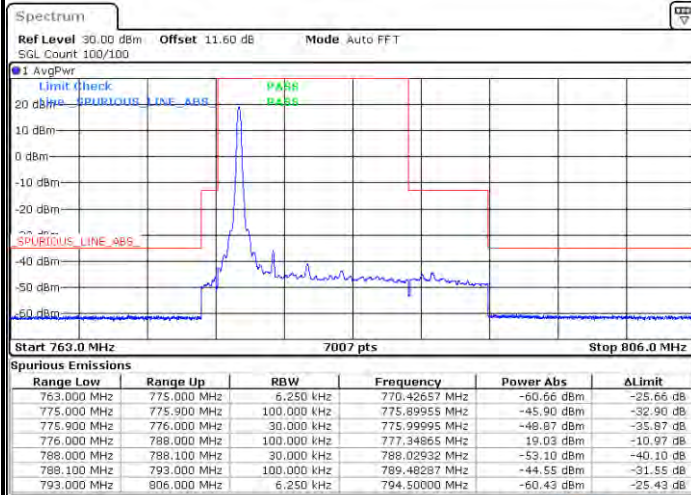
Highest Band Edge / Full RB



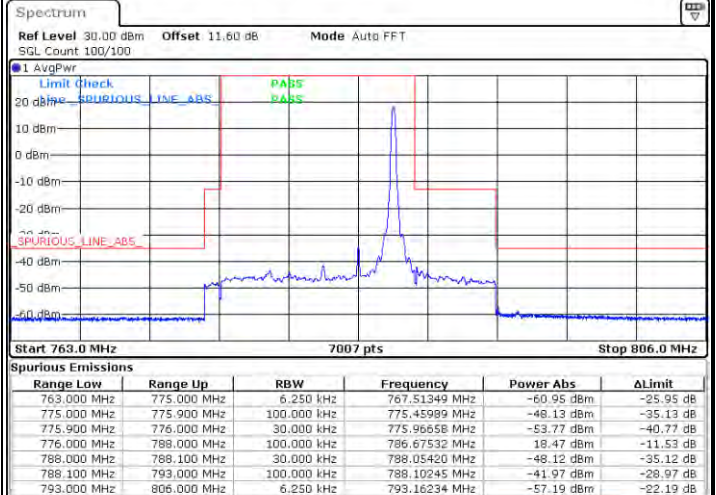


LTE Band 13 / 5MHz / 64QAM

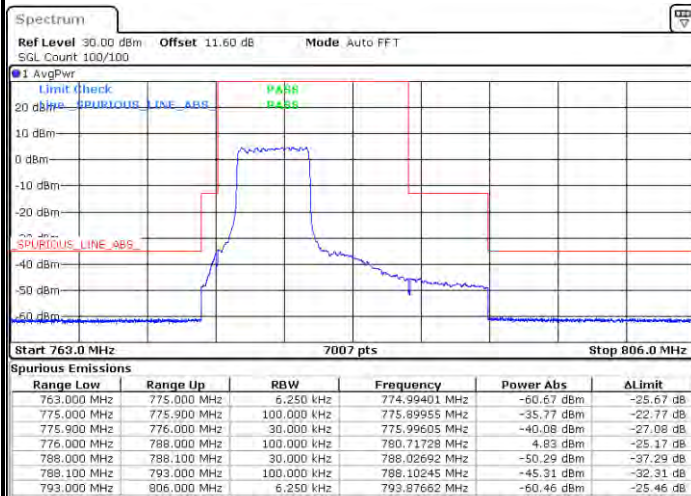
Lowest Band Edge / 1 RB



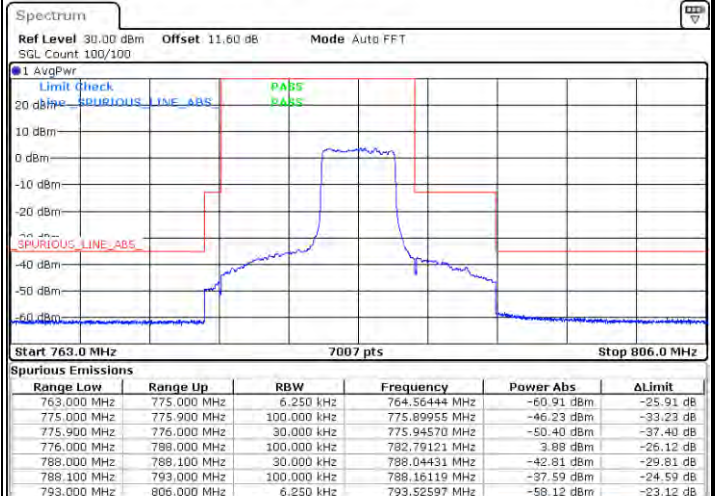
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



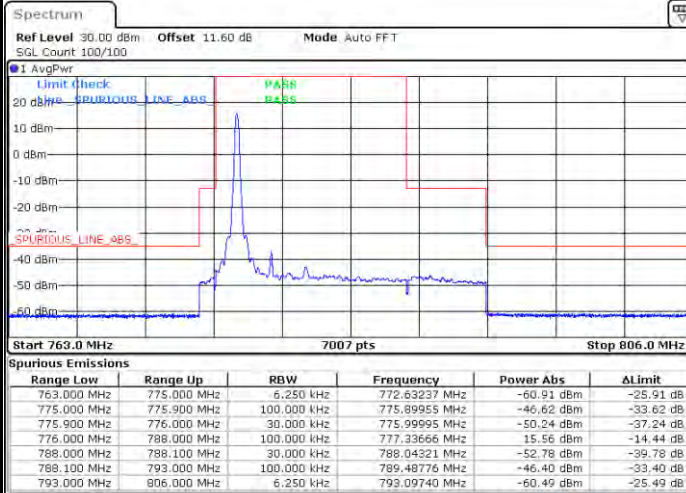
Highest Band Edge / Full RB



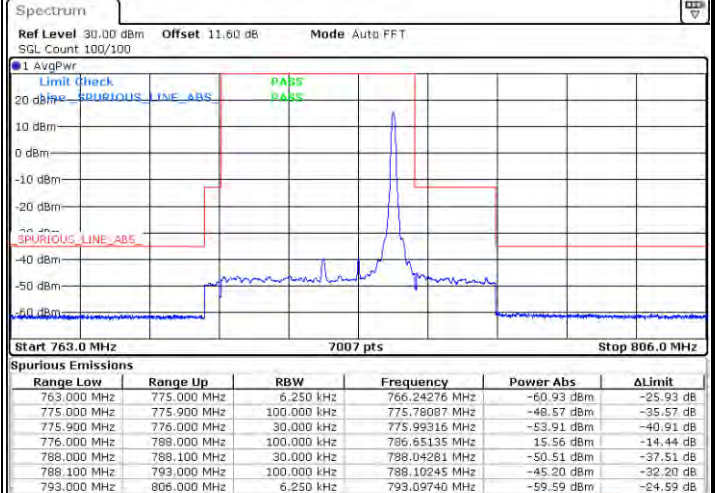


LTE Band 13 / 5MHz / 256QAM

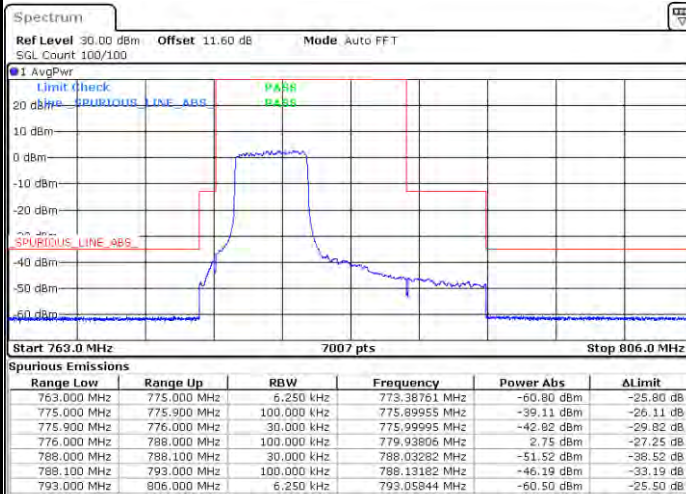
Lowest Band Edge / 1 RB



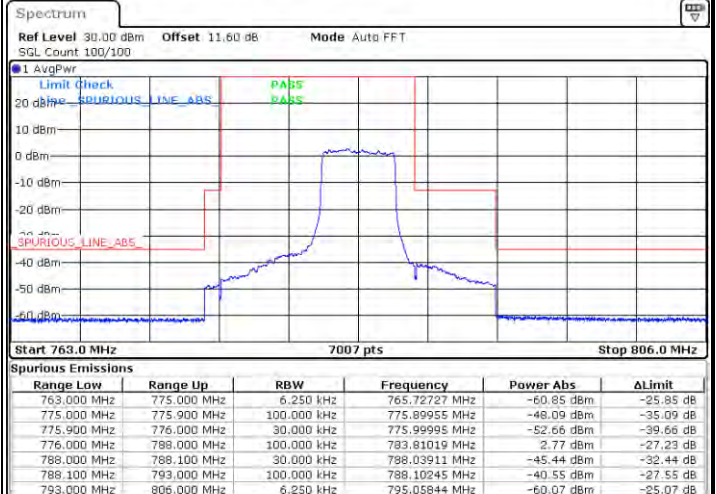
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



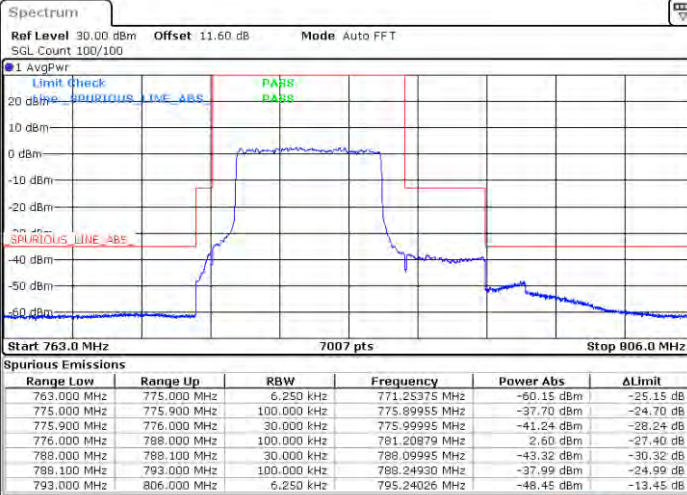
Highest Band Edge / Full RB





LTE Band 13 / 10MHz / QPSK

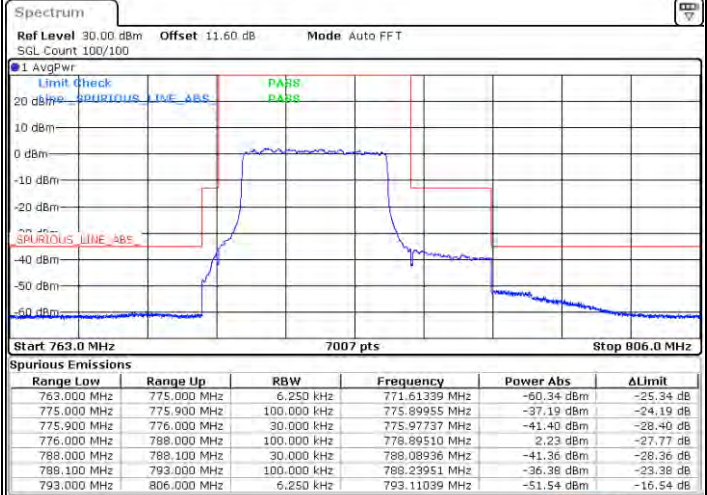
Band Edge / Full RB



Date: 8.JAN.2025 15:07:30

LTE Band 13 / 10MHz / 16QAM

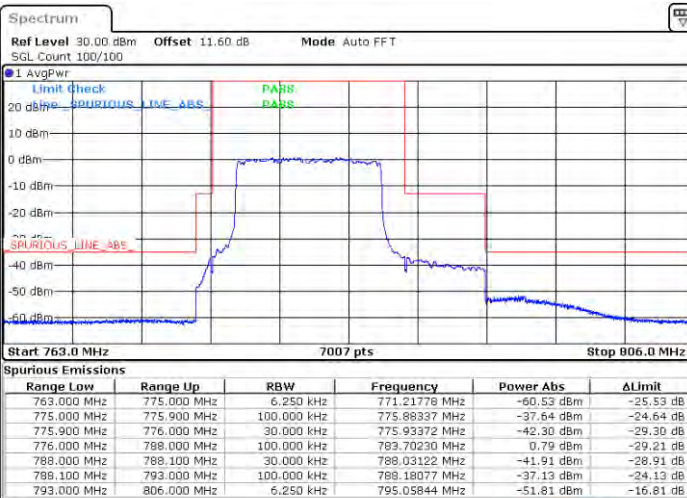
Band Edge / Full RB



Date: 8.JAN.2025 15:08:22

LTE Band 13 / 10MHz / 64QAM

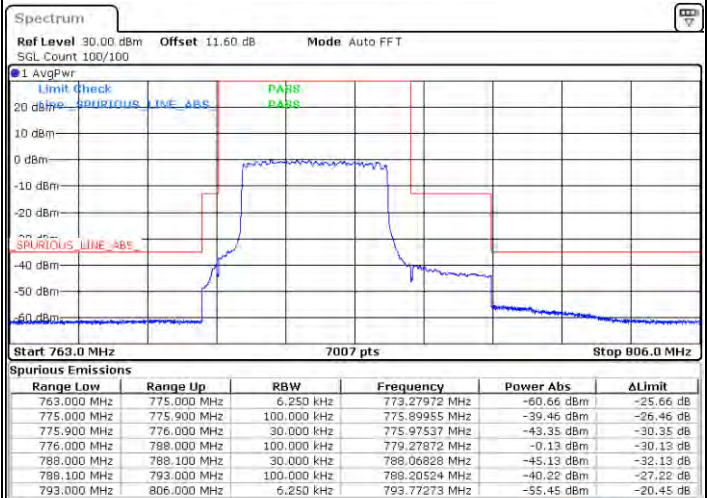
Band Edge / Full RB



Date: 8.JAN.2025 15:08:14

LTE Band 13 / 10MHz / 256QAM

Band Edge / Full RB



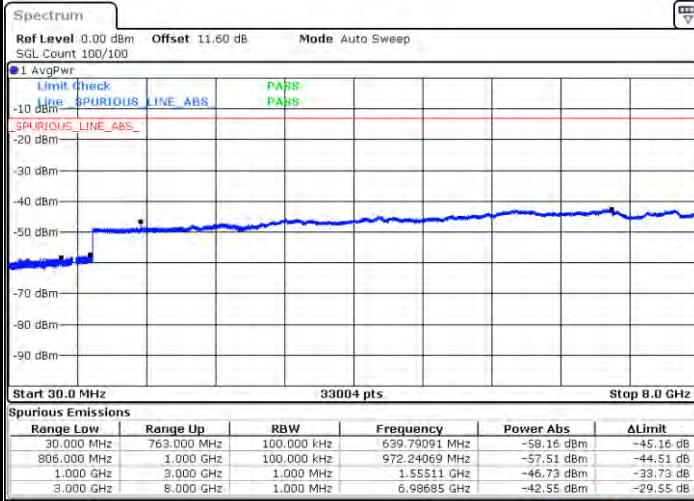
Date: 8.JAN.2025 15:10:06



Conducted Spurious Emission

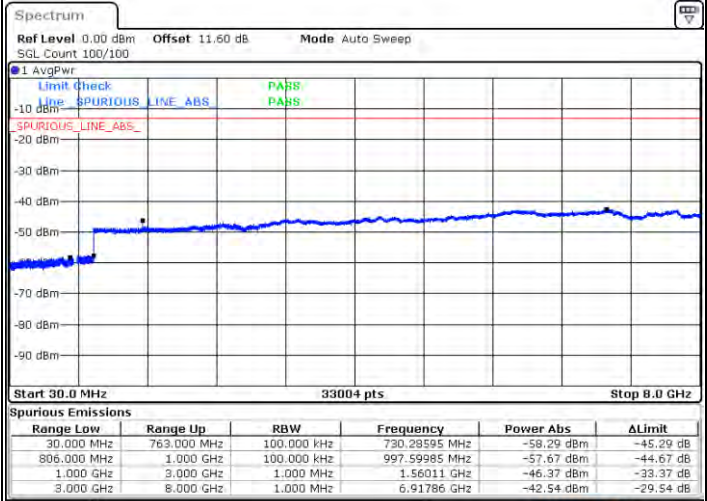
LTE Band 13 / 5MHz

Lowest Channel / QPSK



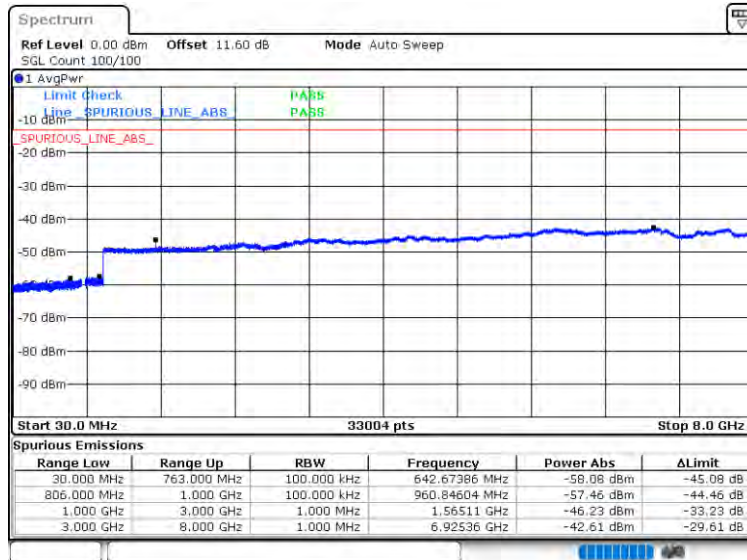
Date: 8.JAN.2025 15:26:08

Middle Channel / QPSK



Date: 8.JAN.2025 15:27:20

Highest Channel / QPSK

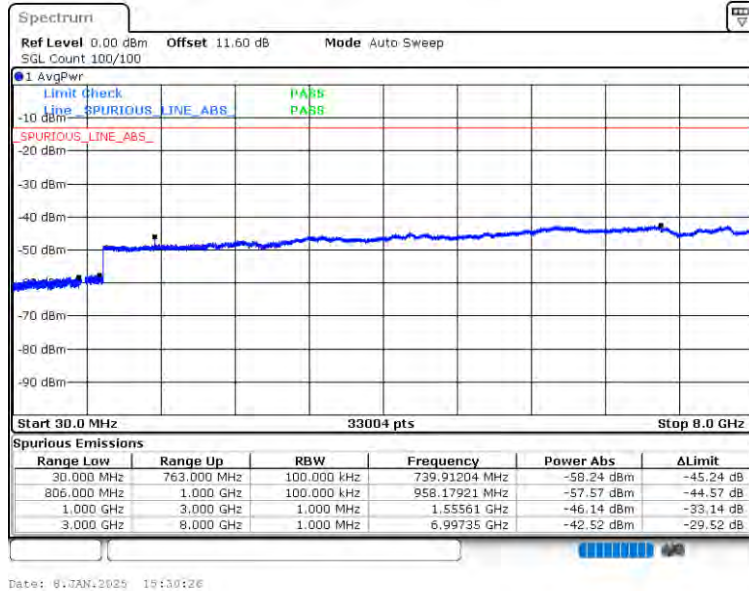


Date: 8.JAN.2025 15:28:33



LTE Band 13 / 10MHz

Middle Channel / QPSK



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	0.0042	PASS
40	Normal Voltage	0.0031	
30	Normal Voltage	0.0060	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0054	
0	Normal Voltage	0.0038	
-10	Normal Voltage	0.0049	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0019	

Note:

1. Normal Voltage =3.9 V. ; Minimum Voltage =3.6 V. ; Maximum Voltage =4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 14

Peak-to-Average Ratio

Mode	LTE Band 14 / 5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.04	6.03	6.06	6.32	PASS
Mode	LTE Band 14 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.04	5.94	5.94	6.35	PASS

LTE Band 14 / 5MHz / QPSK

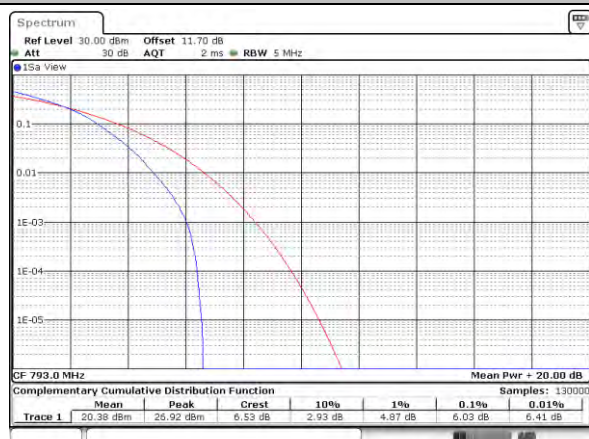
Middle Channel / Full RB



Date: 8/JAN/2025 17:34:00

LTE Band 14 / 5MHz / 16QAM

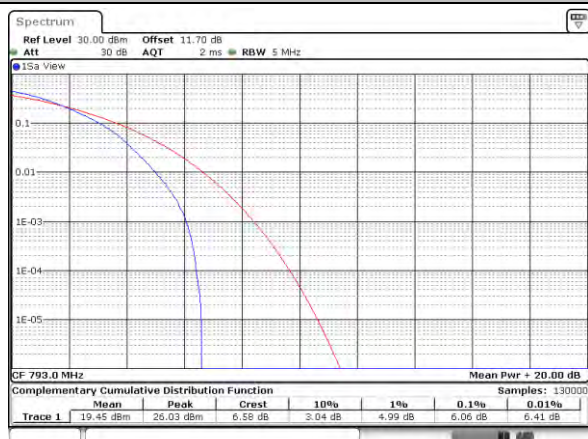
Middle Channel / Full RB



Date: 8/JAN/2025 17:34:24

LTE Band 14 / 5MHz / 64QAM

Middle Channel / Full RB



Date: 8/JAN/2025 17:34:47

LTE Band 14 / 5MHz / 256QAM

Middle Channel / Full RB

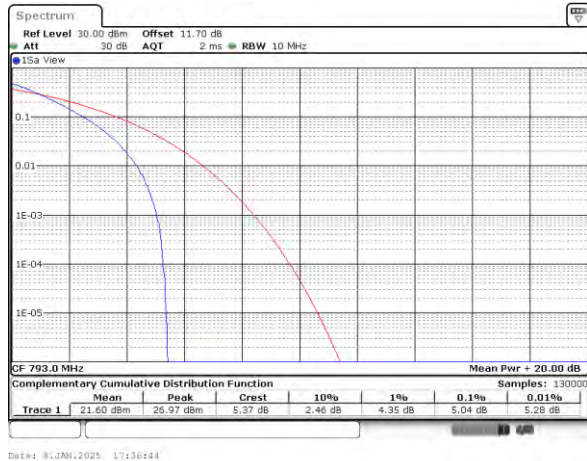


Date: 8/JAN/2025 17:35:11



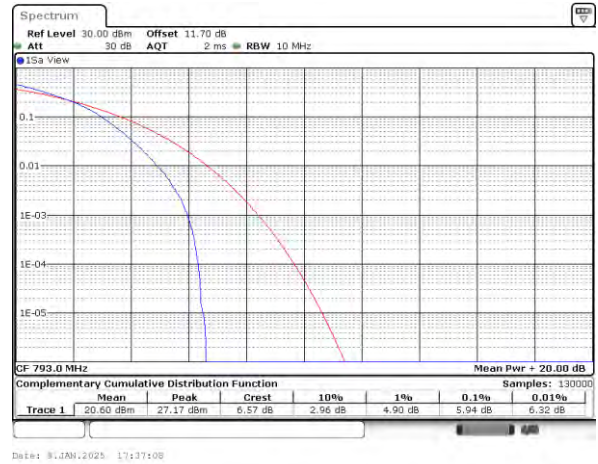
LTE Band 14 / 10MHz / QPSK

Middle Channel / Full RB



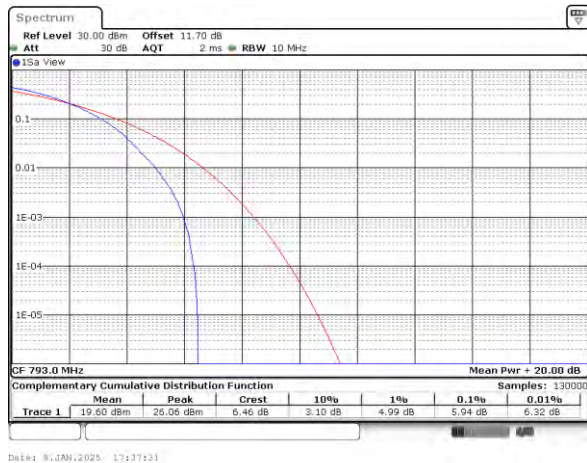
LTE Band 14 / 10MHz / 16QAM

Middle Channel / Full RB



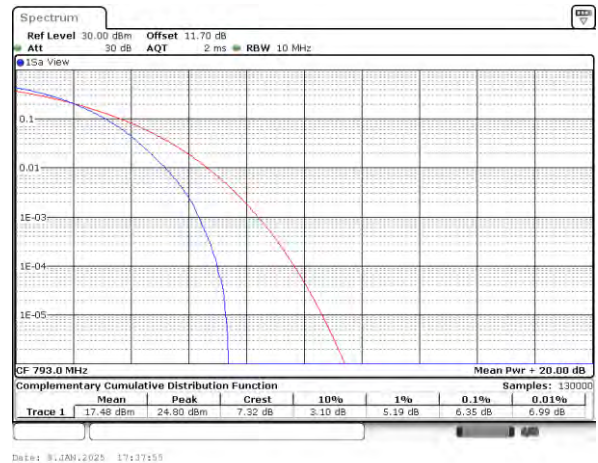
LTE Band 14 / 10MHz / 64QAM

Middle Channel / Full RB



LTE Band 14 / 10MHz / 256QAM

Middle Channel / Full RB



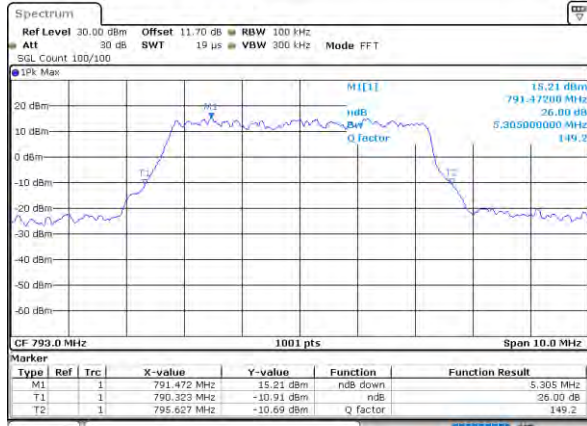
**26dB Bandwidth**

Mode	LTE Band 14 : 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	-	-	-	-	5.30	5.11	10.03	10.23	-	-	-	-
Mode	LTE Band 14 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	5.06	5.33	10.56	9.97	-	-	-	-

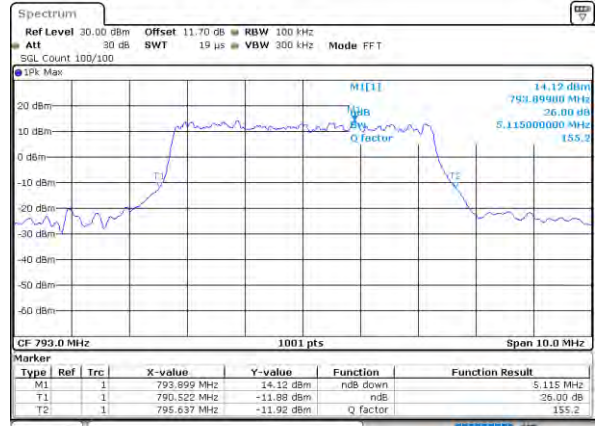


LTE Band 14

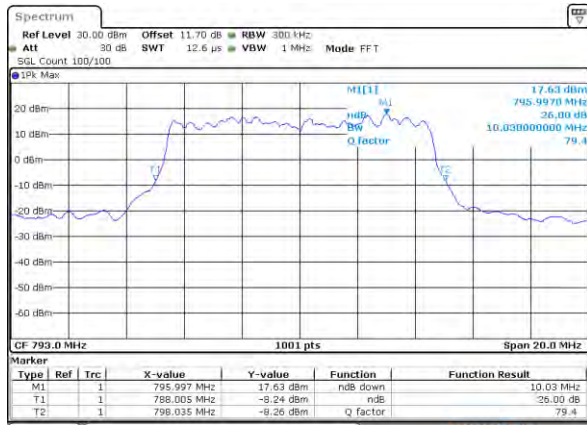
Middle Channel / 5MHz / QPSK



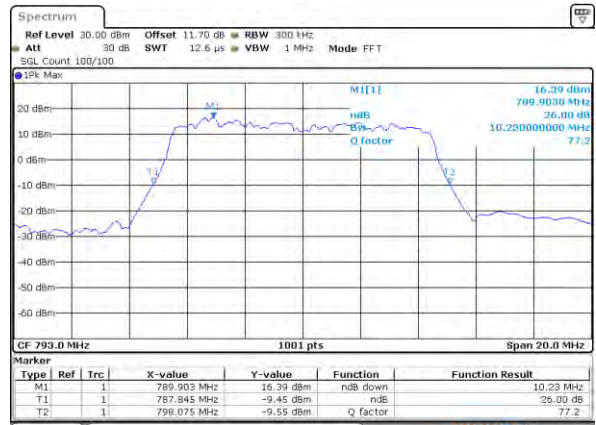
Middle Channel / 5MHz / 16QAM



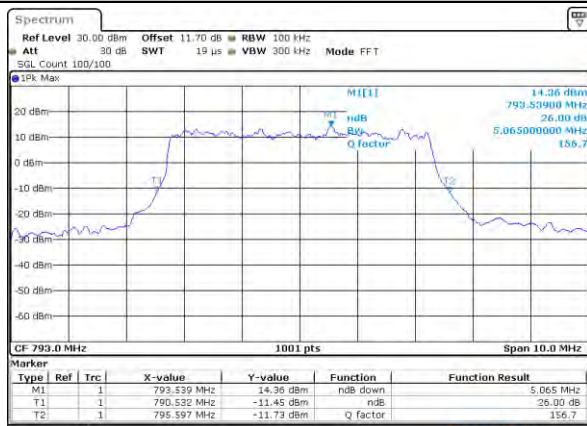
Middle Channel / 10MHz / QPSK



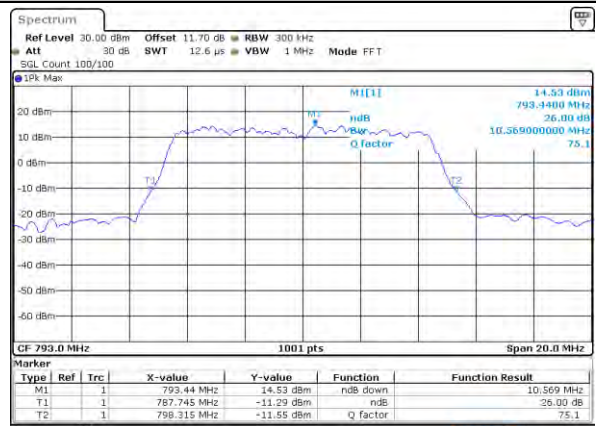
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



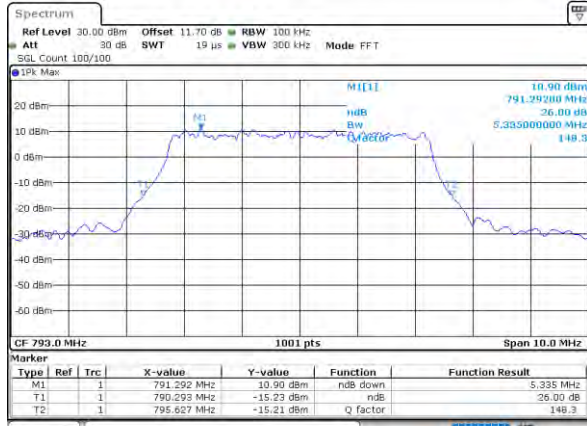
Middle Channel / 10MHz / 64QAM



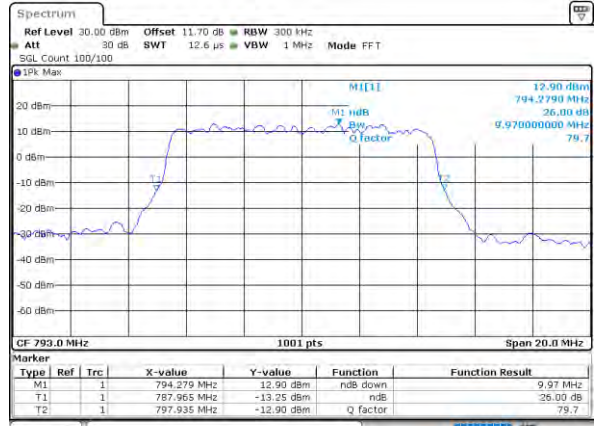


LTE Band 14

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



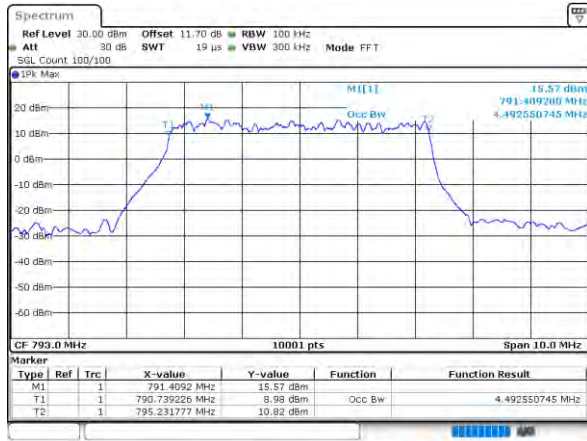
**Occupied Bandwidth**

Mode	LTE Band 14 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.49	4.52	9.05	8.97	-	-	-	-
Mode	LTE Band 14 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.52	4.49	8.98	9.01	-	-	-	-

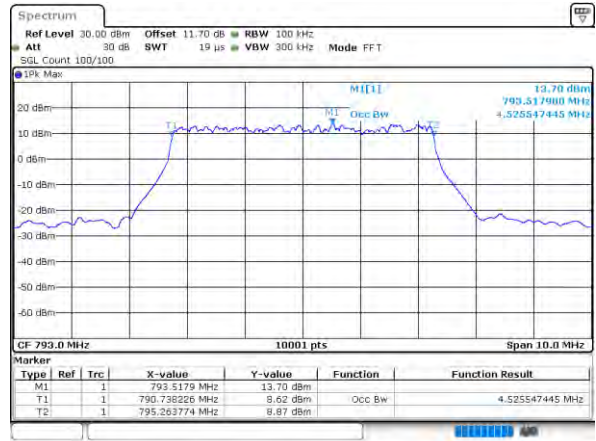


LTE Band 14

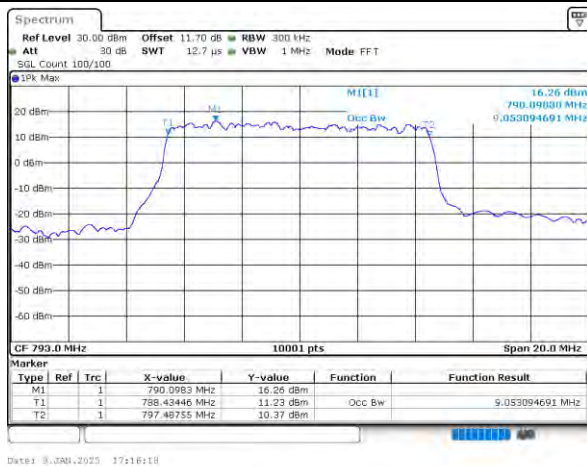
Middle Channel / 5MHz / QPSK



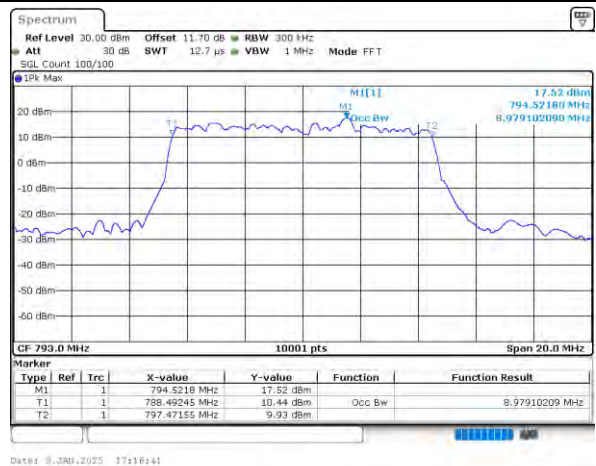
Middle Channel / 5MHz / 16QAM



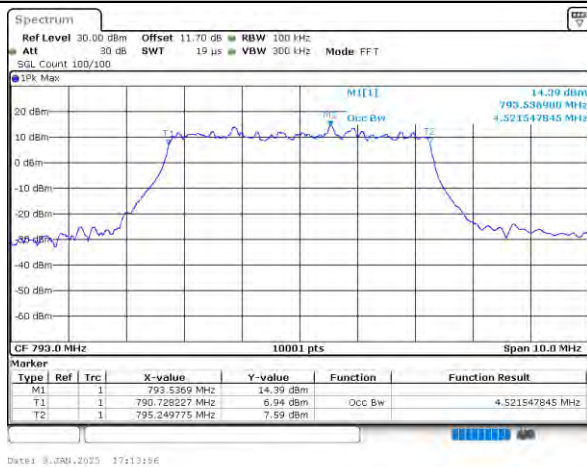
Middle Channel / 10MHz / QPSK



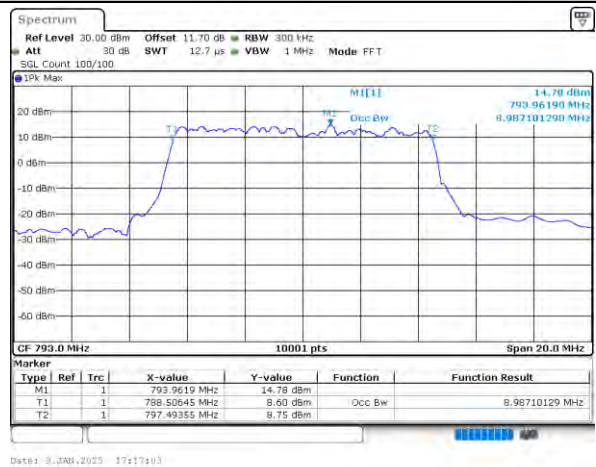
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



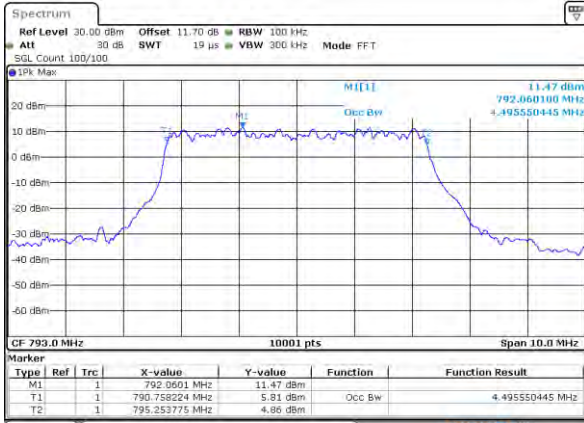
Middle Channel / 10MHz / 64QAM





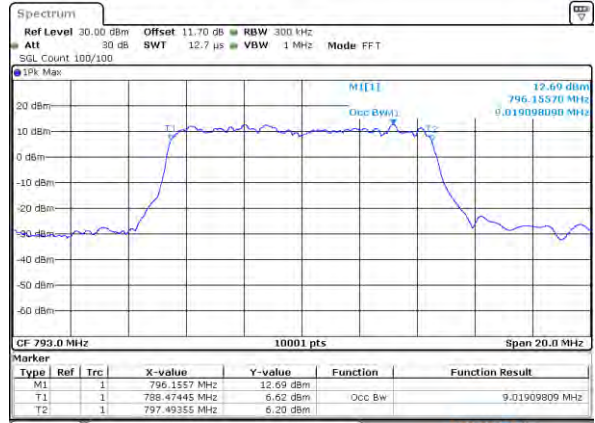
LTE Band 14

Middle Channel / 5MHz / 256QAM

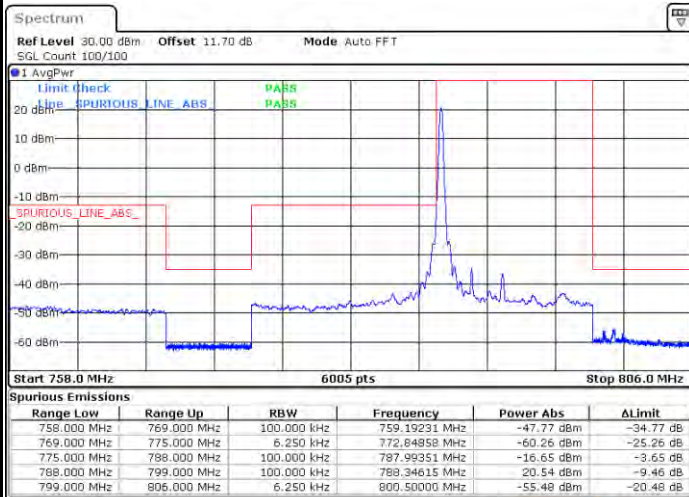
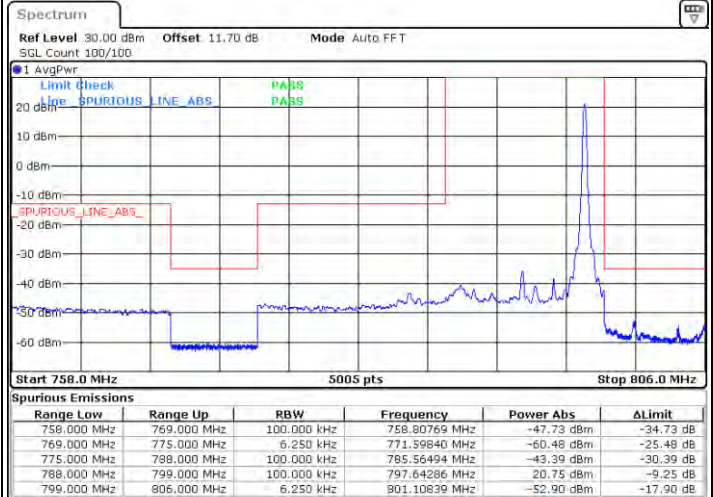
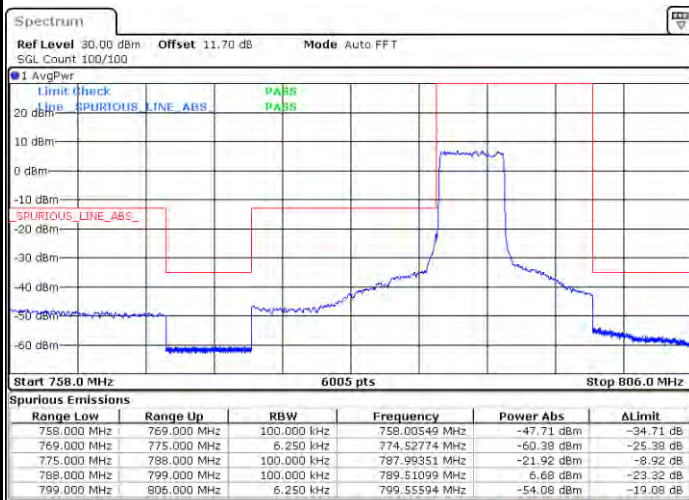
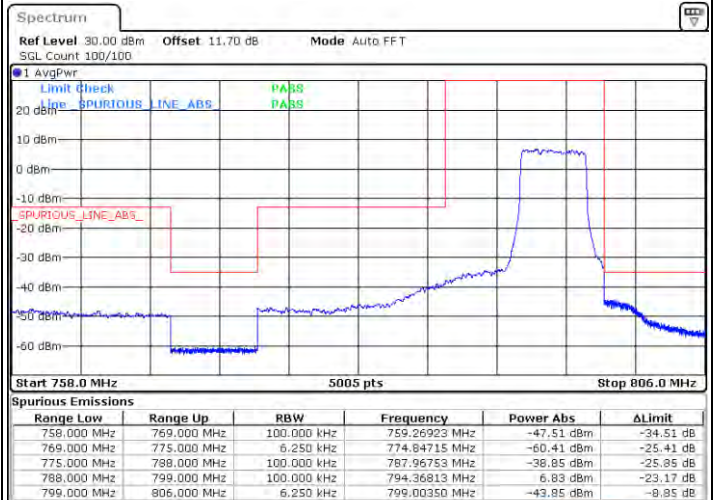


Date: 8.30.2025 17:14:19

Middle Channel / 10MHz / 256QAM



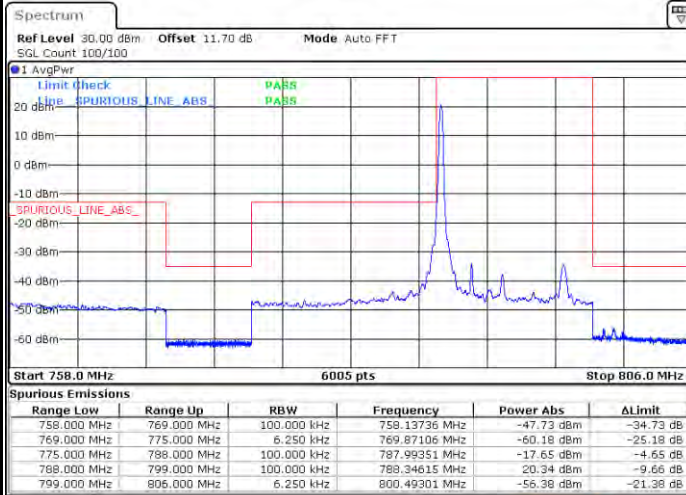
Date: 8.30.2025 17:17:26

**Conducted Band Edge****LTE Band 14 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



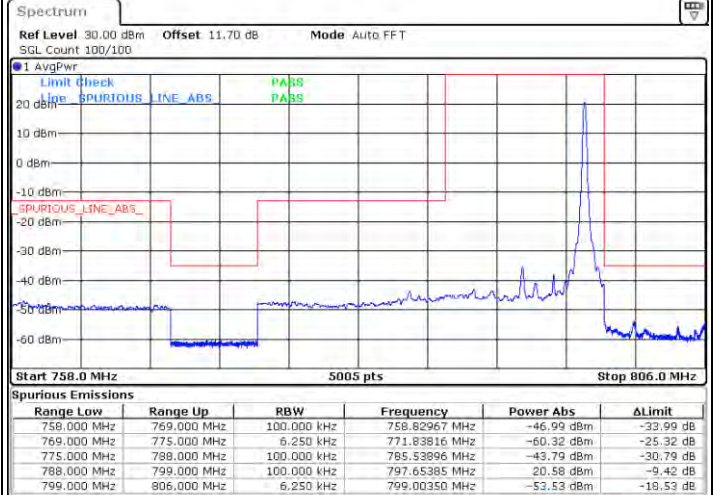
LTE Band 14 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



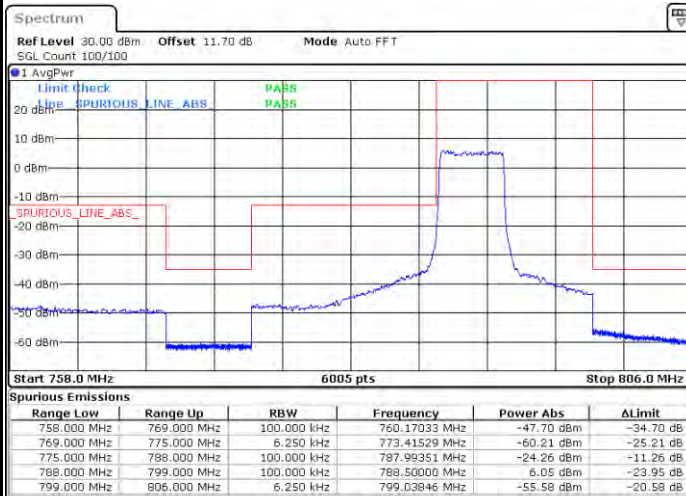
Date: 9.JAN.2025 16:15:17

Highest Band Edge / 1 RB



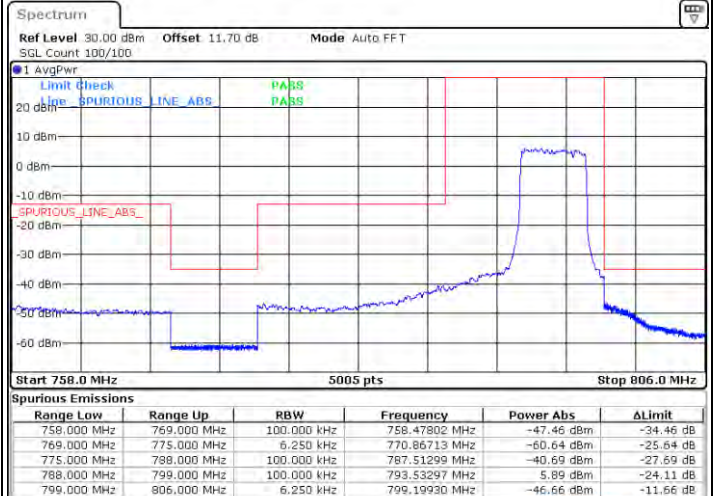
Date: 9.JAN.2025 16:22:16

Lowest Band Edge / Full RB



Date: 9.JAN.2025 16:11:47

Highest Band Edge / Full RB

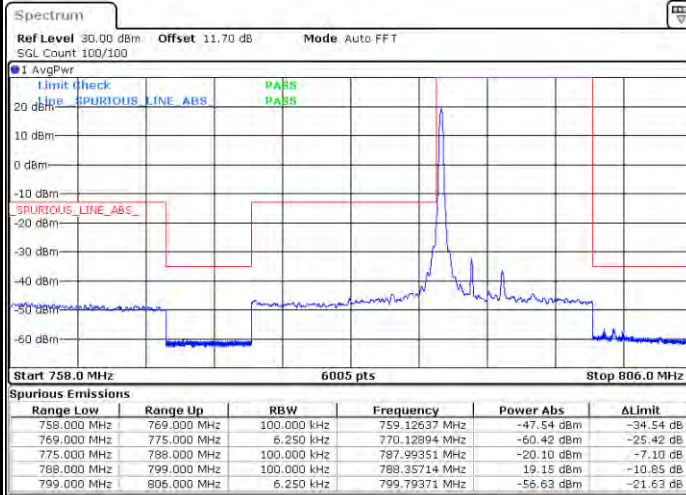


Date: 9.JAN.2025 16:18:47

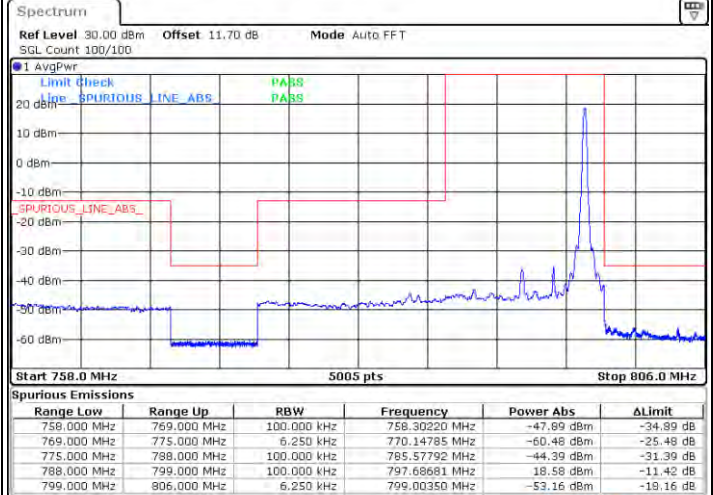


LTE Band 14 / 5MHz / 64QAM

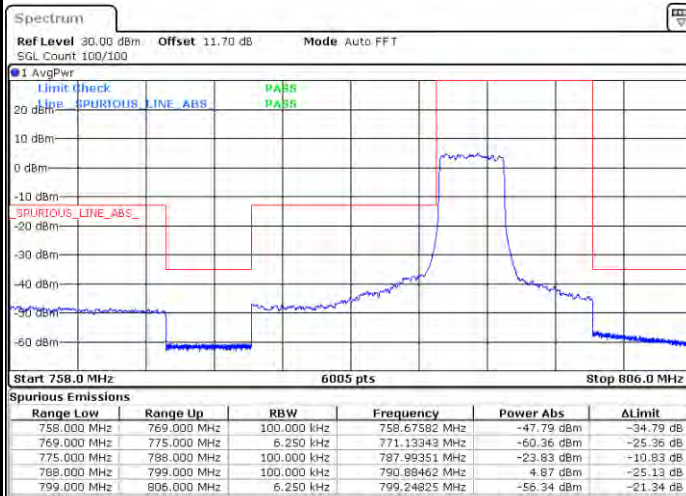
Lowest Band Edge / 1 RB



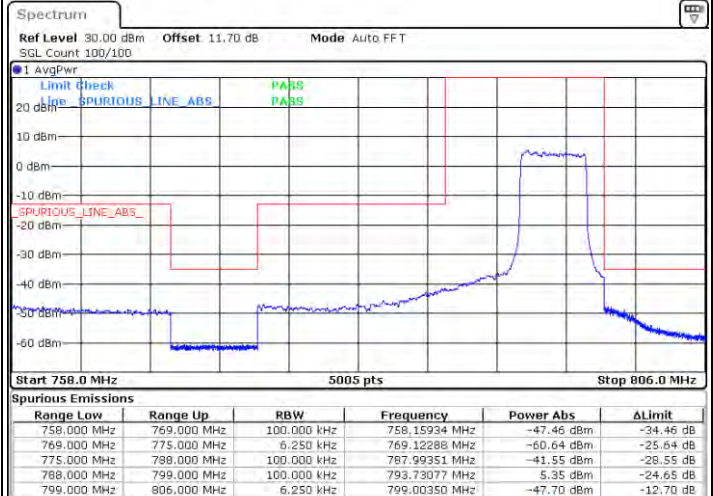
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



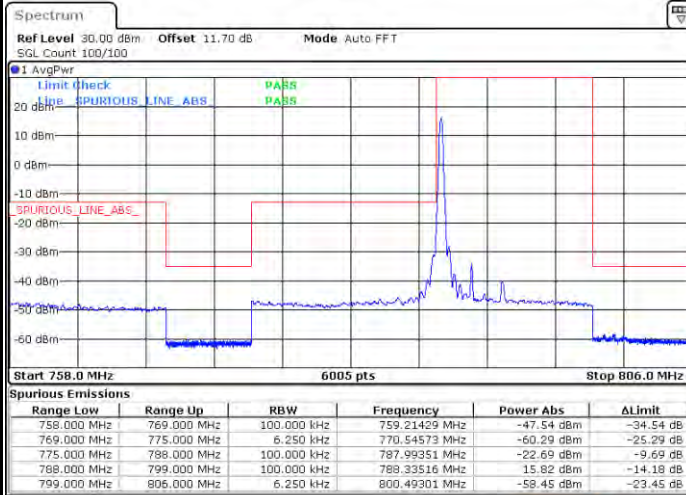
Highest Band Edge / Full RB



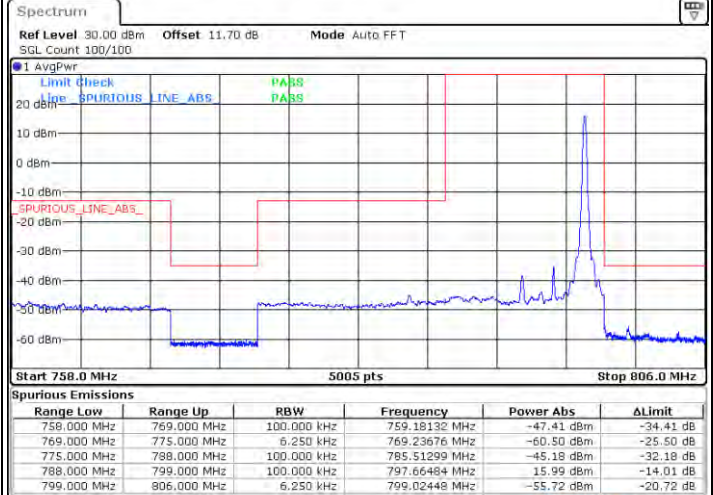


LTE Band 14 / 5MHz / 256QAM

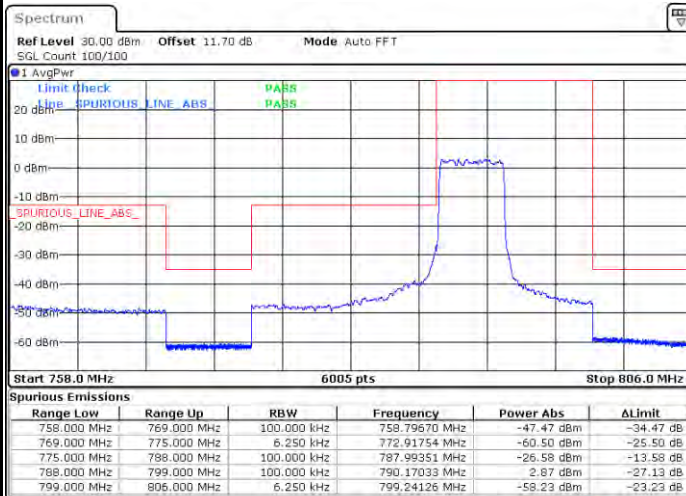
Lowest Band Edge / 1 RB



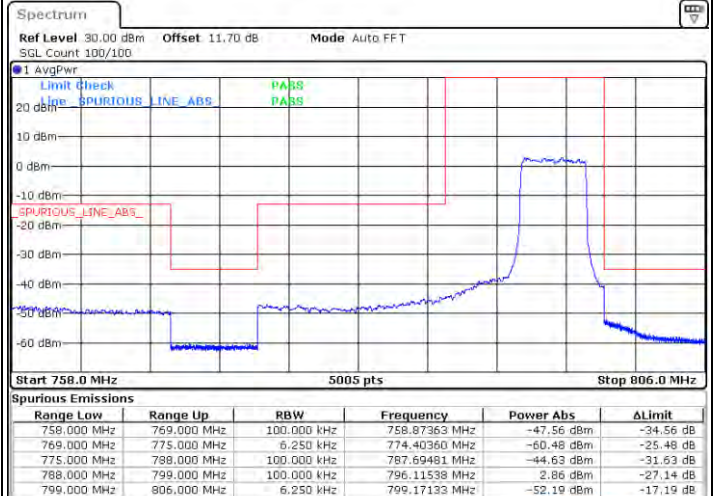
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



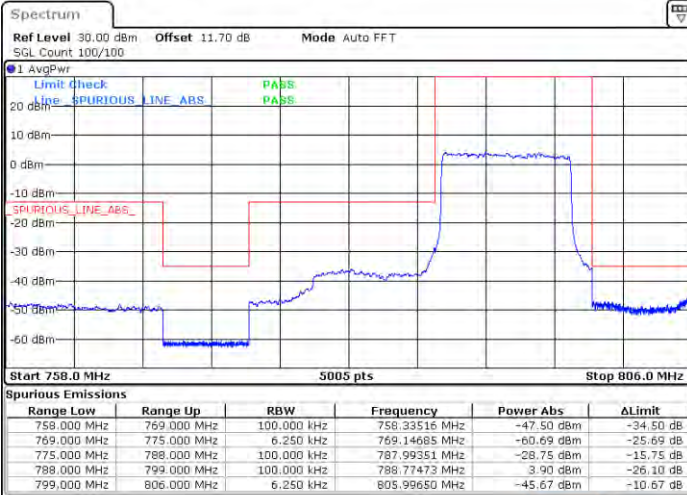
Highest Band Edge / Full RB





LTE Band 14 / 10MHz / QPSK

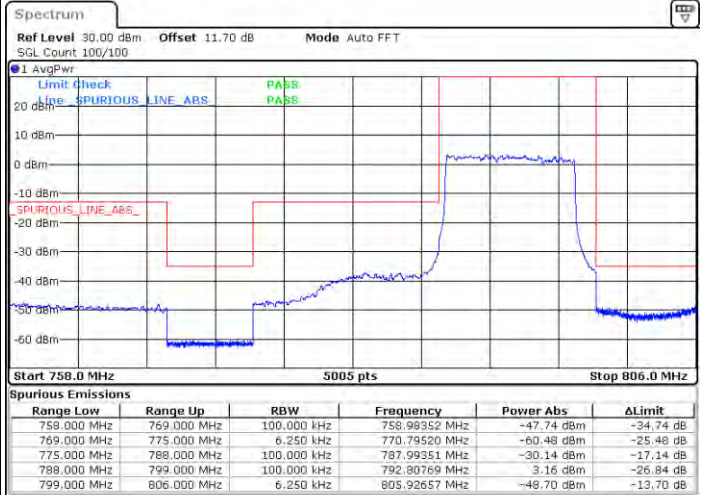
Band Edge / Full RB



Date: 9 JAN 2025 16:28:08

LTE Band 14 / 10MHz / 16QAM

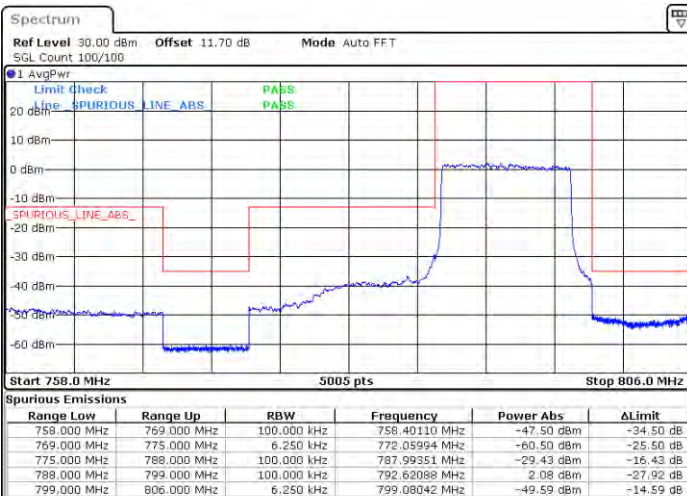
Band Edge / Full RB



Date: 9 JAN 2025 16:28:58

LTE Band 14 / 10MHz / 64QAM

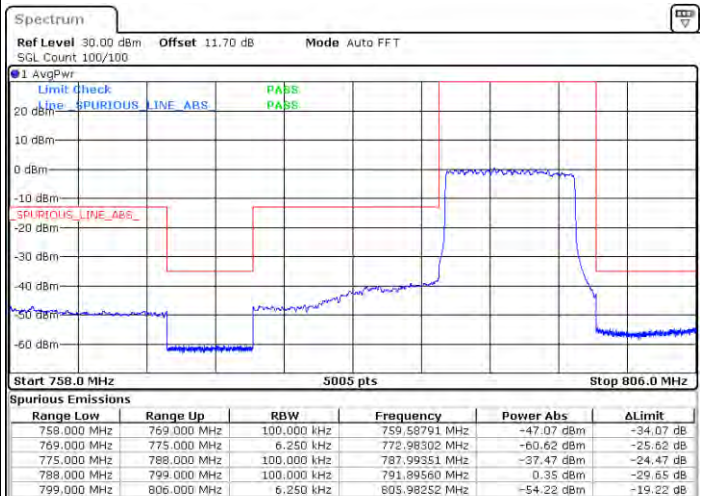
Band Edge / Full RB



Date: 9 JAN 2025 16:29:08

LTE Band 14 / 10MHz / 256QAM

Band Edge / Full RB



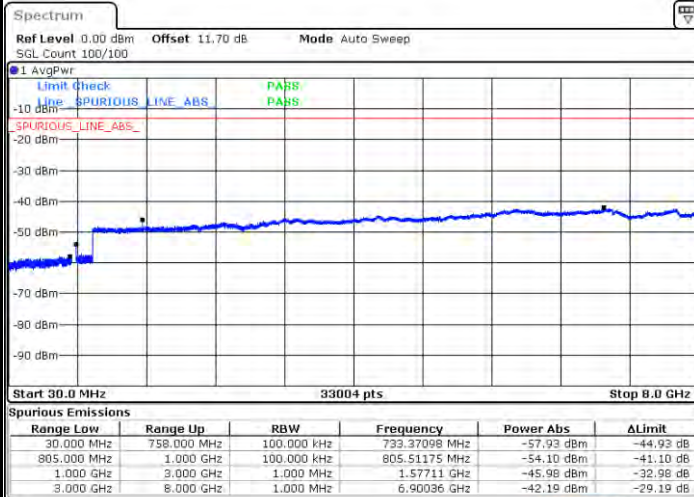
Date: 9 JAN 2025 16:30:08



Conducted Spurious Emission

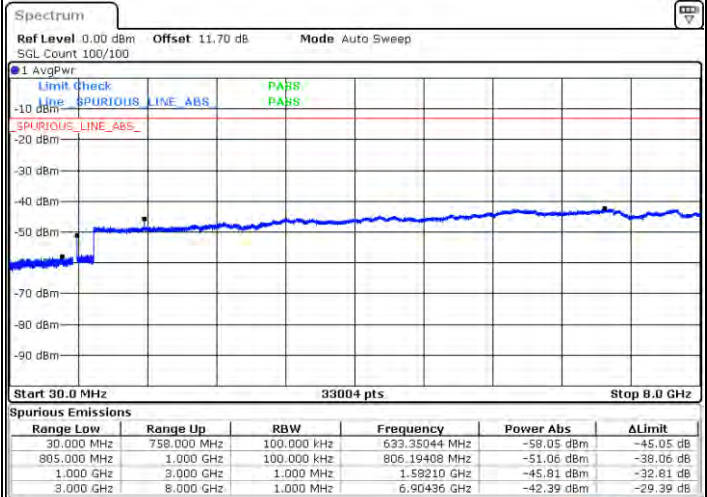
LTE Band 14 / 5MHz

Lowest Channel / QPSK



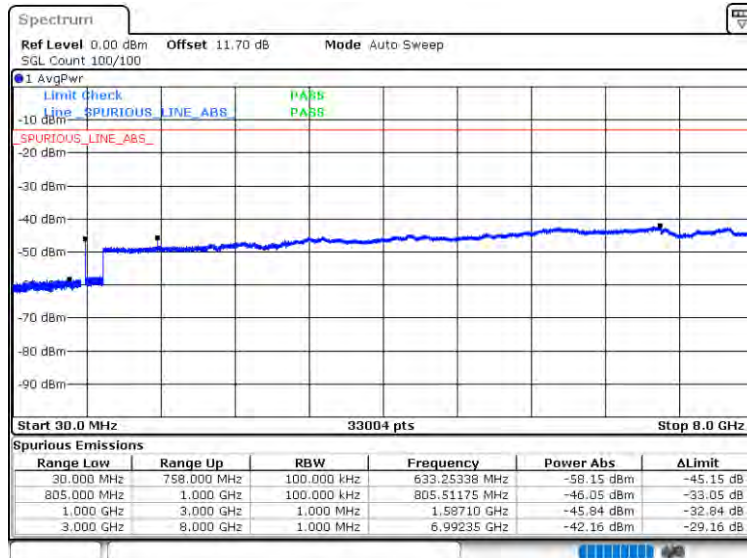
Date: 9.JAN.2025 17:42:50

Middle Channel / QPSK



Date: 9.JAN.2025 17:44:02

Highest Channel / QPSK

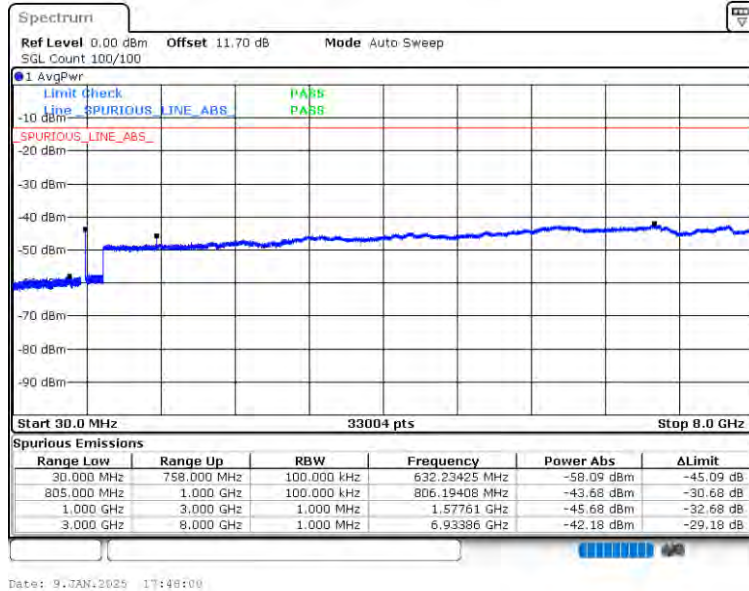


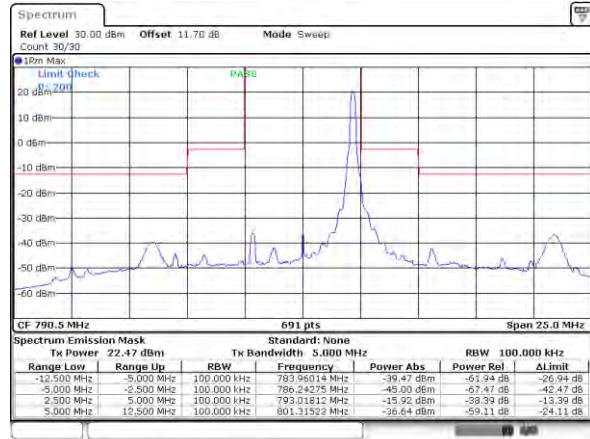
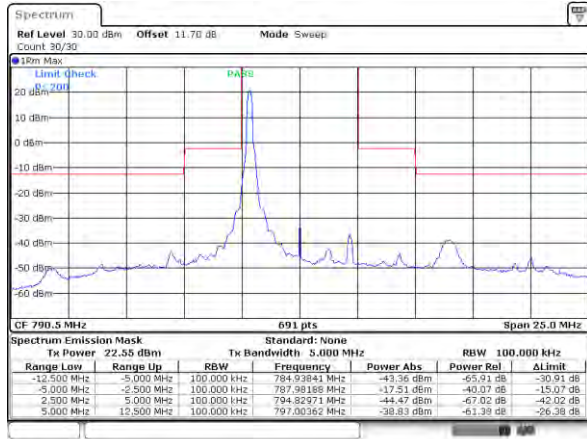
Date: 9.JAN.2025 17:45:14



LTE Band 14 / 10MHz

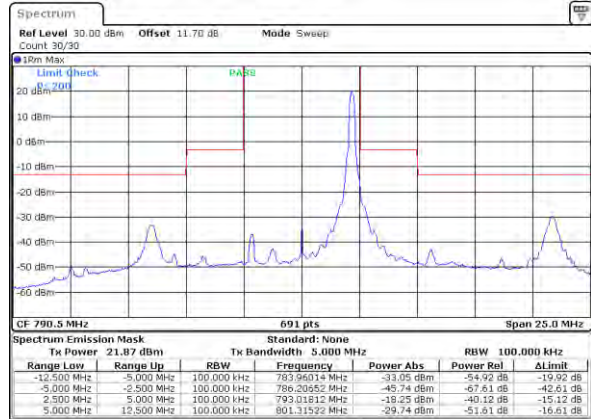
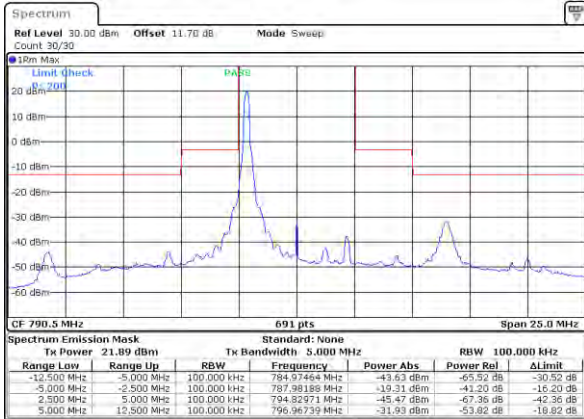
Middle Channel / QPSK



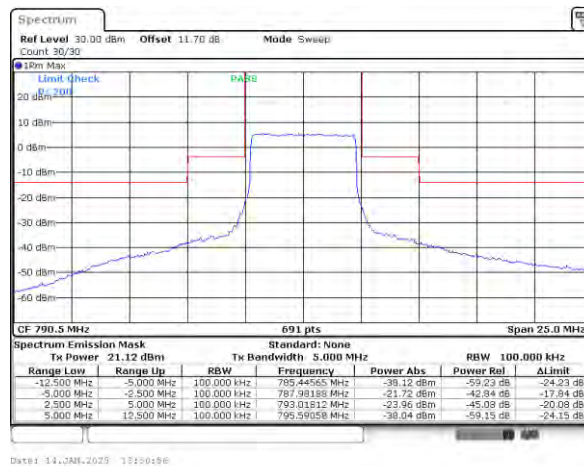
**Mask****LTE Band 14 / 5MHz / QPSK****Lowest Channel / 1RB****Lowest Channel / Full RB**

LTE Band 14 / 5MHz / 16QAM

Lowest Channel / 1RB



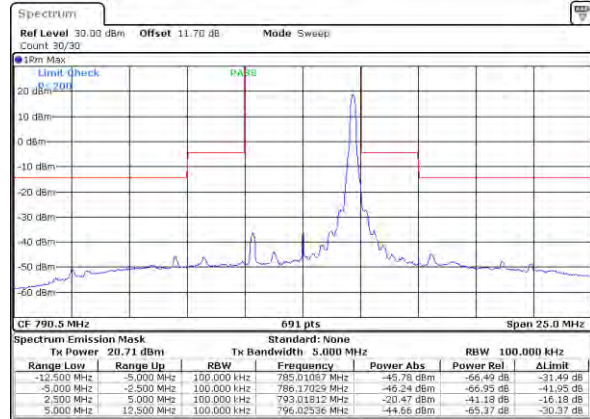
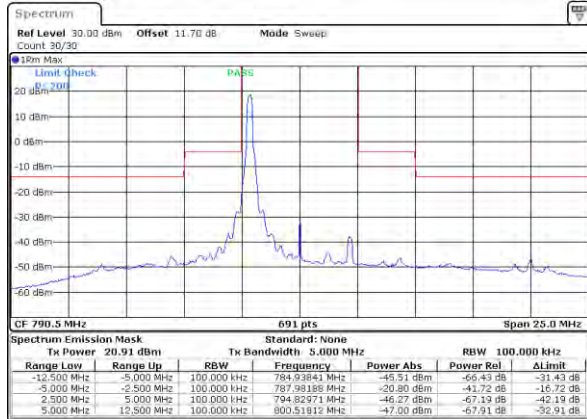
Lowest Channel / Full RB



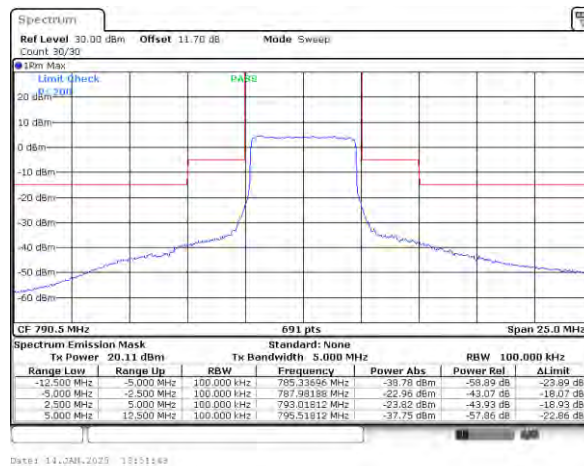


LTE Band 14 / 5MHz / 64QAM

Lowest Channel / 1RB



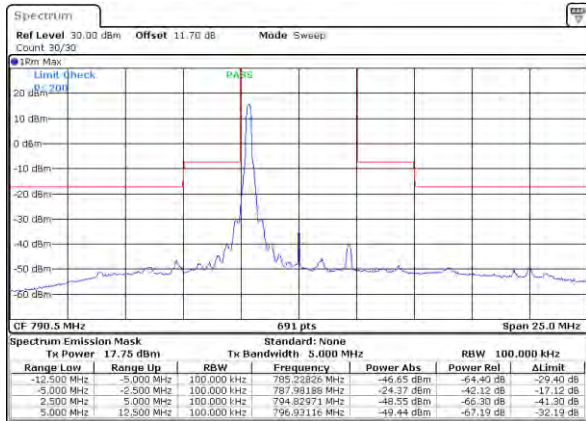
Lowest Channel / Full RB



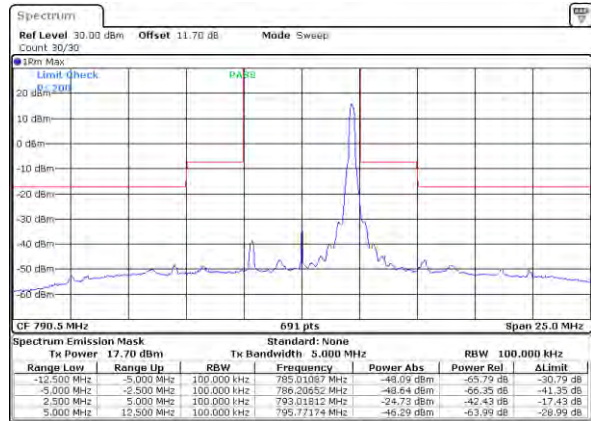


LTE Band 14 / 5MHz / 256QAM

Lowest Channel / 1RB

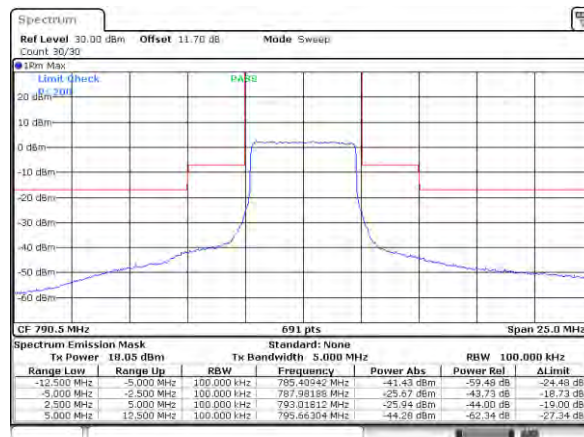


Date: 14.JAN.2025 13:15:10



Date: 14.JAN.2025 13:15:13

Lowest Channel / Full RB

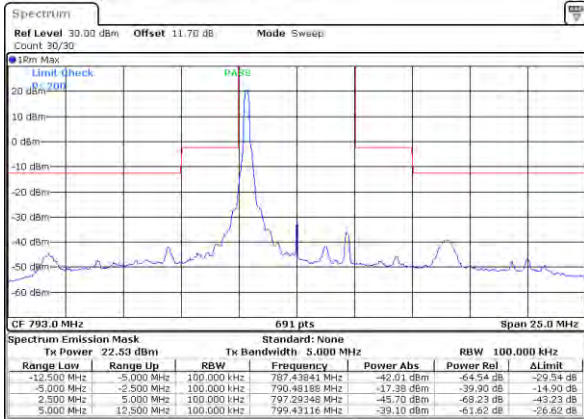


Date: 14.JAN.2025 13:15:10

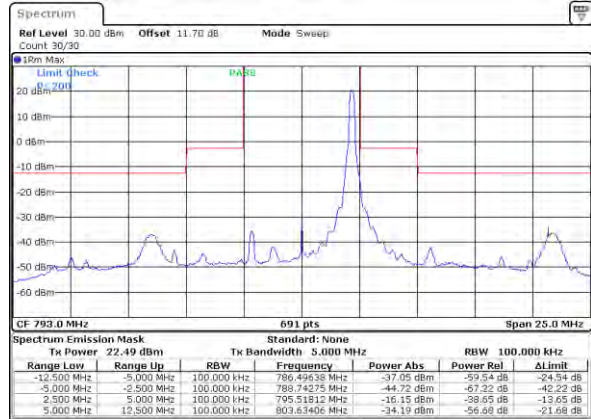


LTE Band 14 / 5MHz / QPSK

Middle Channel / 1RB

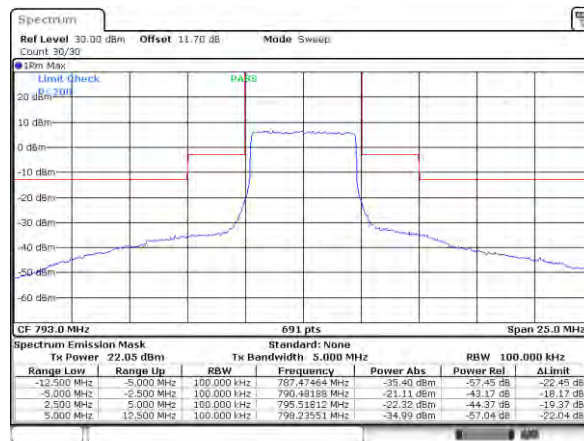


Date: 14.JAN.2025 18:03:56



Date: 14.JAN.2025 18:07:23

Middle Channel / Full RB

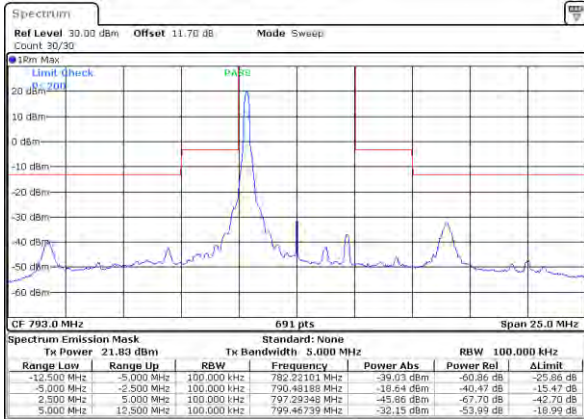


Date: 14.JAN.2025 18:08:58

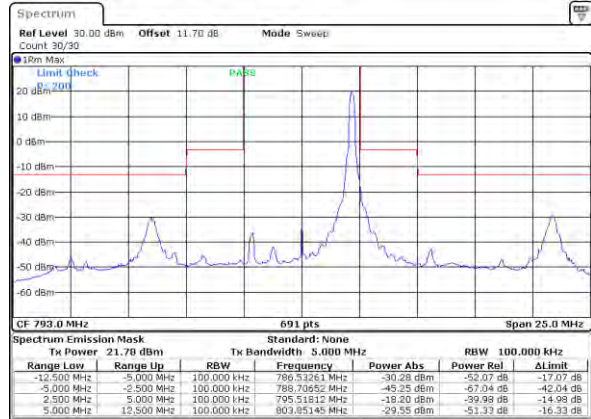


LTE Band 14 / 5MHz / 16QAM

Middle Channel / 1RB

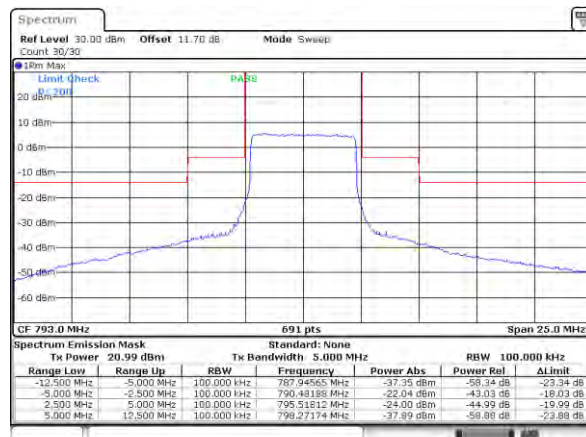


Date: 14.JAN.2025 18:04:49



Date: 14.JAN.2025 18:08:14

Middle Channel / Full RB

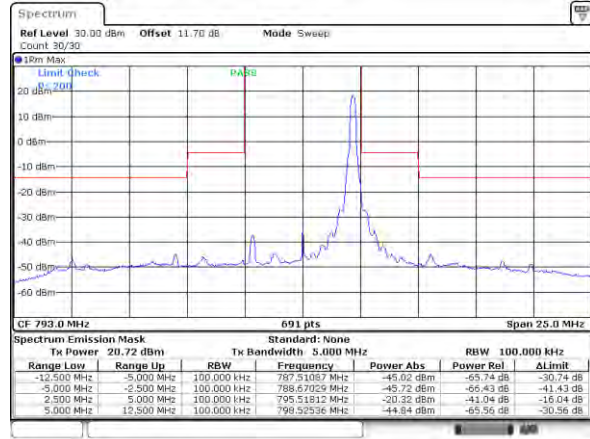
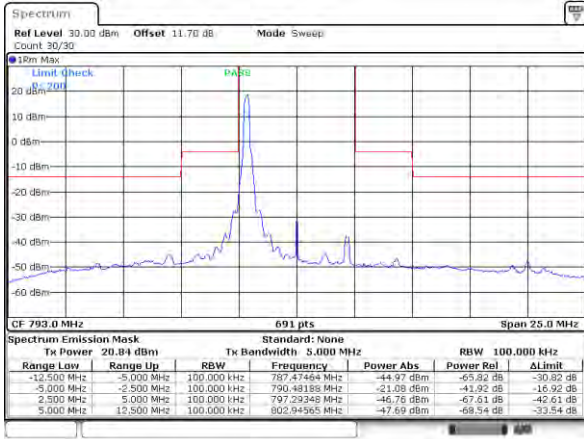


Date: 14.JAN.2025 18:01:22

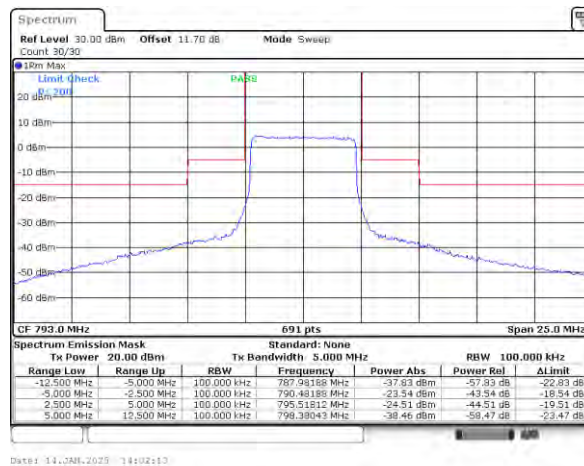


LTE Band 14 / 5MHz / 64QAM

Middle Channel / 1RB



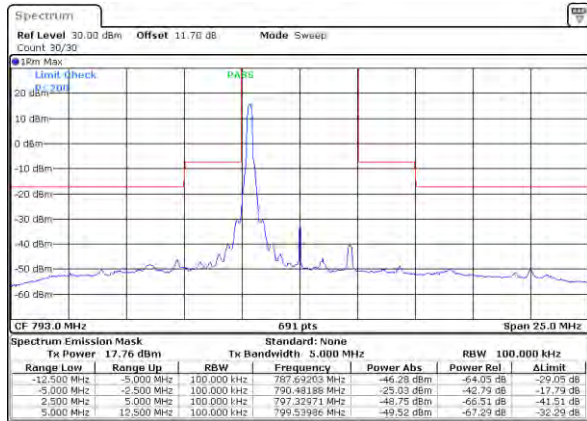
Middle Channel / Full RB



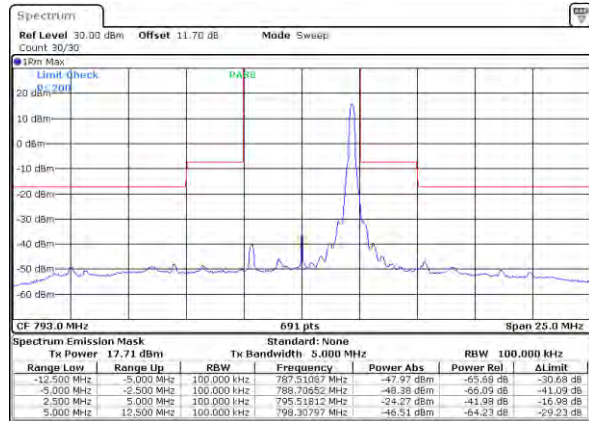


LTE Band 14 / 5MHz / 256QAM

Middle Channel / 1RB

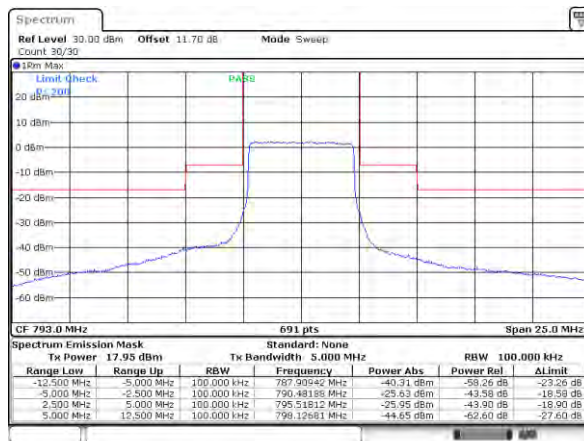


Date: 14.JAN.2025 18:06:31



Date: 14.JAN.2025 18:09:57

Middle Channel / Full RB

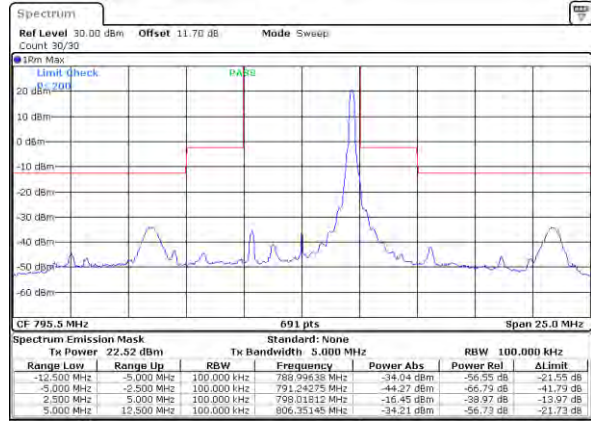
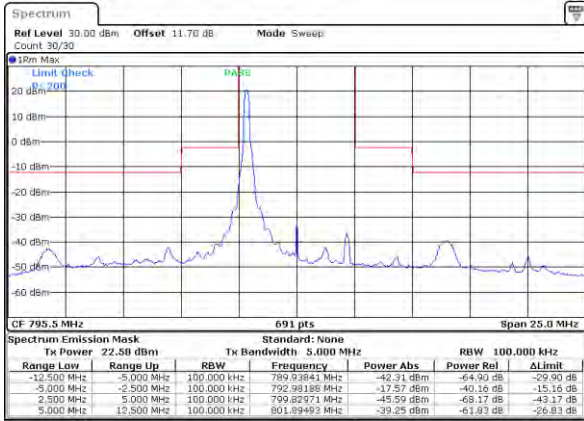


Date: 14.JAN.2025 18:08:09

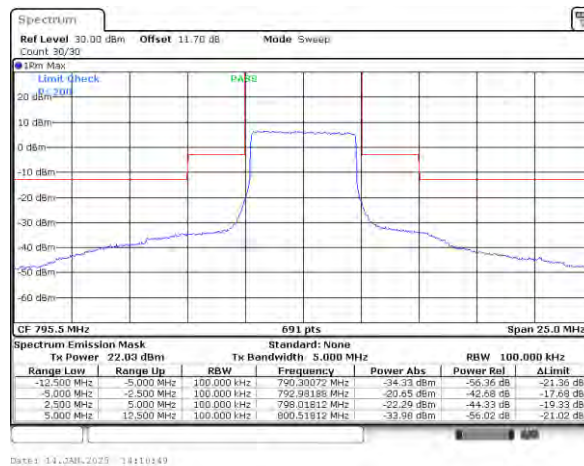


LTE Band 14 / 5MHz / QPSK

Highest Channel / 1RB



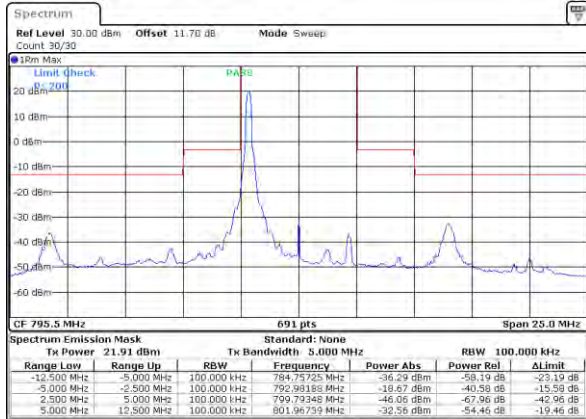
Highest Channel / Full RB



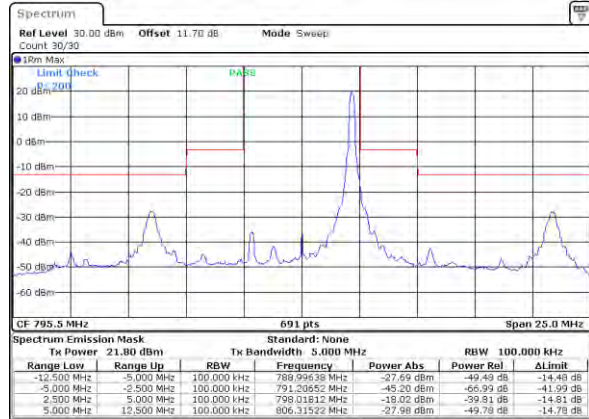


LTE Band 14 / 5MHz / 16QAM

Highest Channel / 1RB

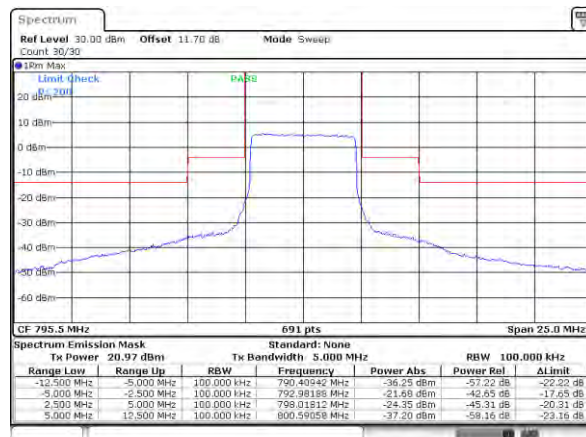


Date: 14.JAN.2025 18:15:13



Date: 14.JAN.2025 18:18:39

Highest Channel / Full RB

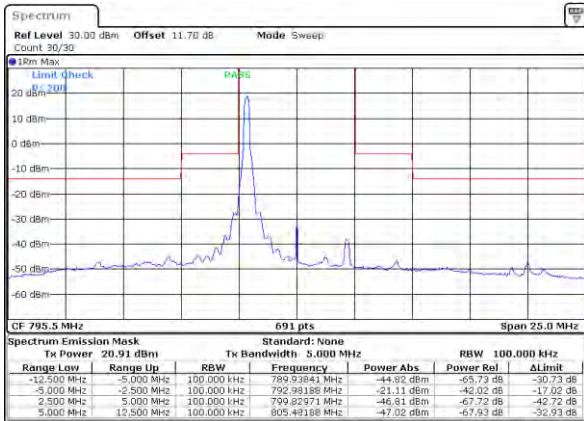


Date: 14.JAN.2025 18:11:42

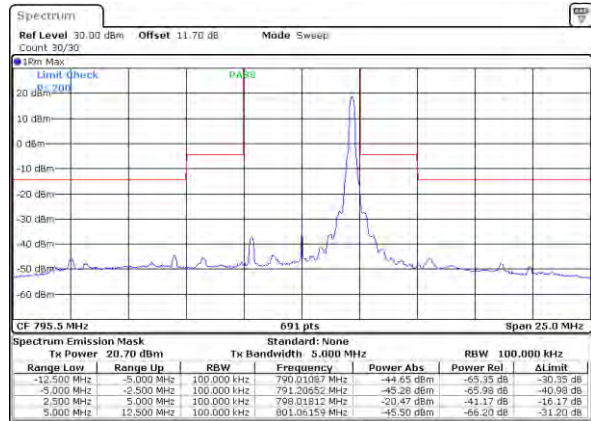


LTE Band 14 / 5MHz / 64QAM

Highest Channel / 1RB

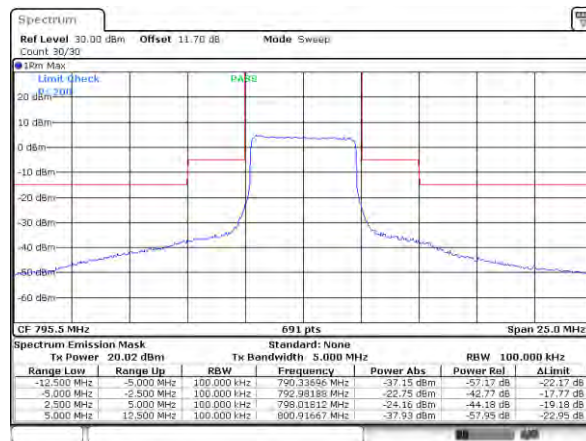


Date: 14.JAN.2025 18:18:03



Date: 14.JAN.2025 18:19:32

Highest Channel / Full RB

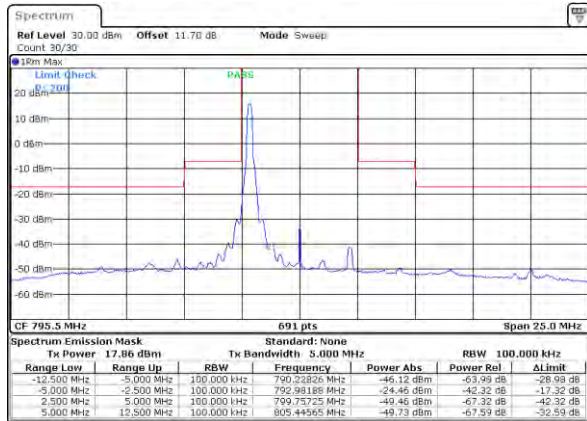


Date: 14.JAN.2025 18:18:34

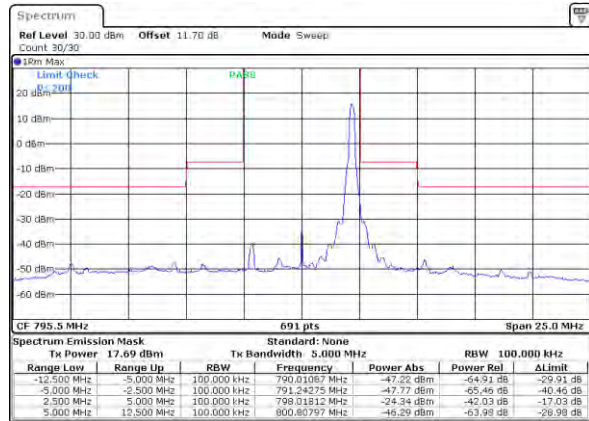


LTE Band 14 / 5MHz / 256QAM

Highest Channel / 1RB

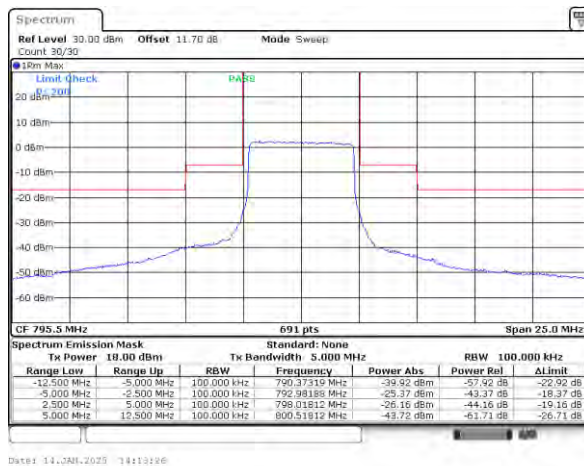


Date: 14.JAN.2025 18:16:09



Date: 14.JAN.2025 18:20:24

Highest Channel / Full RB

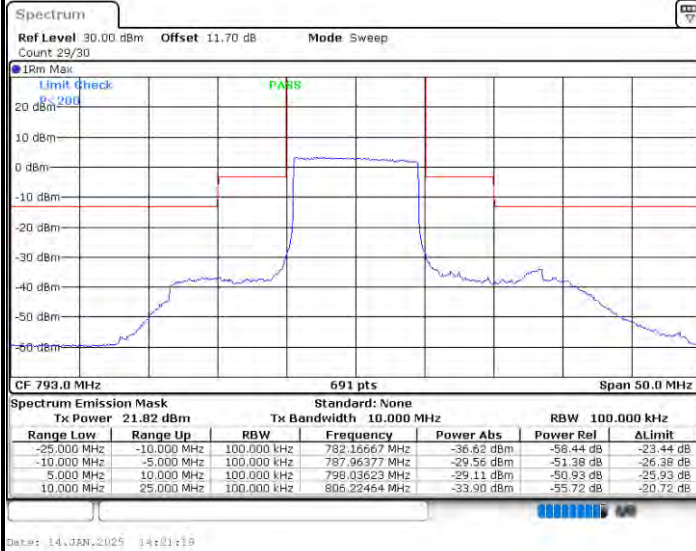


Date: 14.JAN.2025 18:13:06



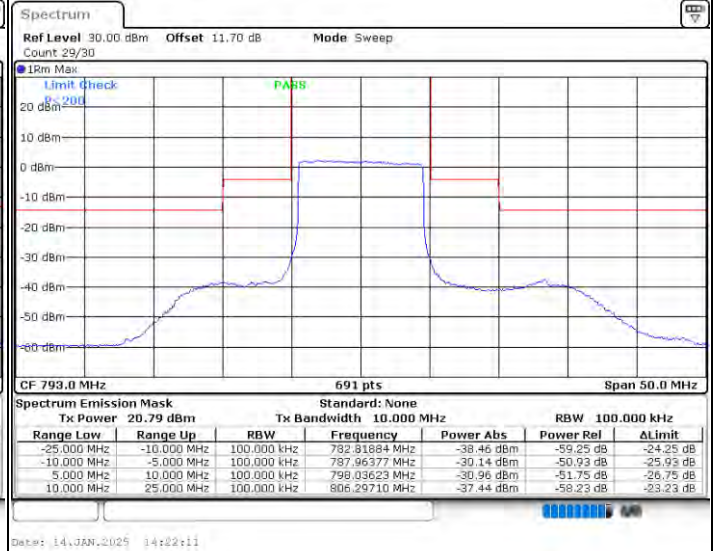
LTE Band 14 / 10MHz / QPSK

Middle Channel / Full RB



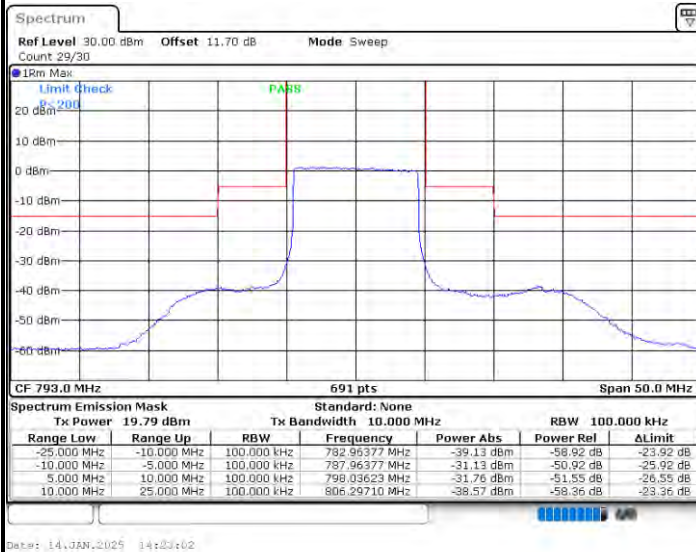
LTE Band 14 / 10MHz / 16QAM

Middle Channel / Full RB



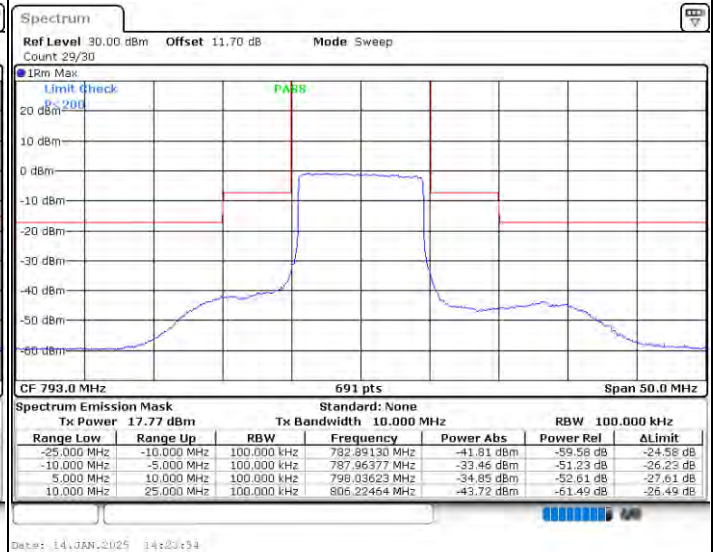
LTE Band 14 / 10MHz / 64QAM

Middle Channel / Full RB



LTE Band 14 / 10MHz / 256QAM

Middle Channel / Full RB



Frequency Stability

Test Conditions		LTE Band 14 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0048	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0040	
0	Normal Voltage	0.0030	
-10	Normal Voltage	0.0045	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0006	

Note:

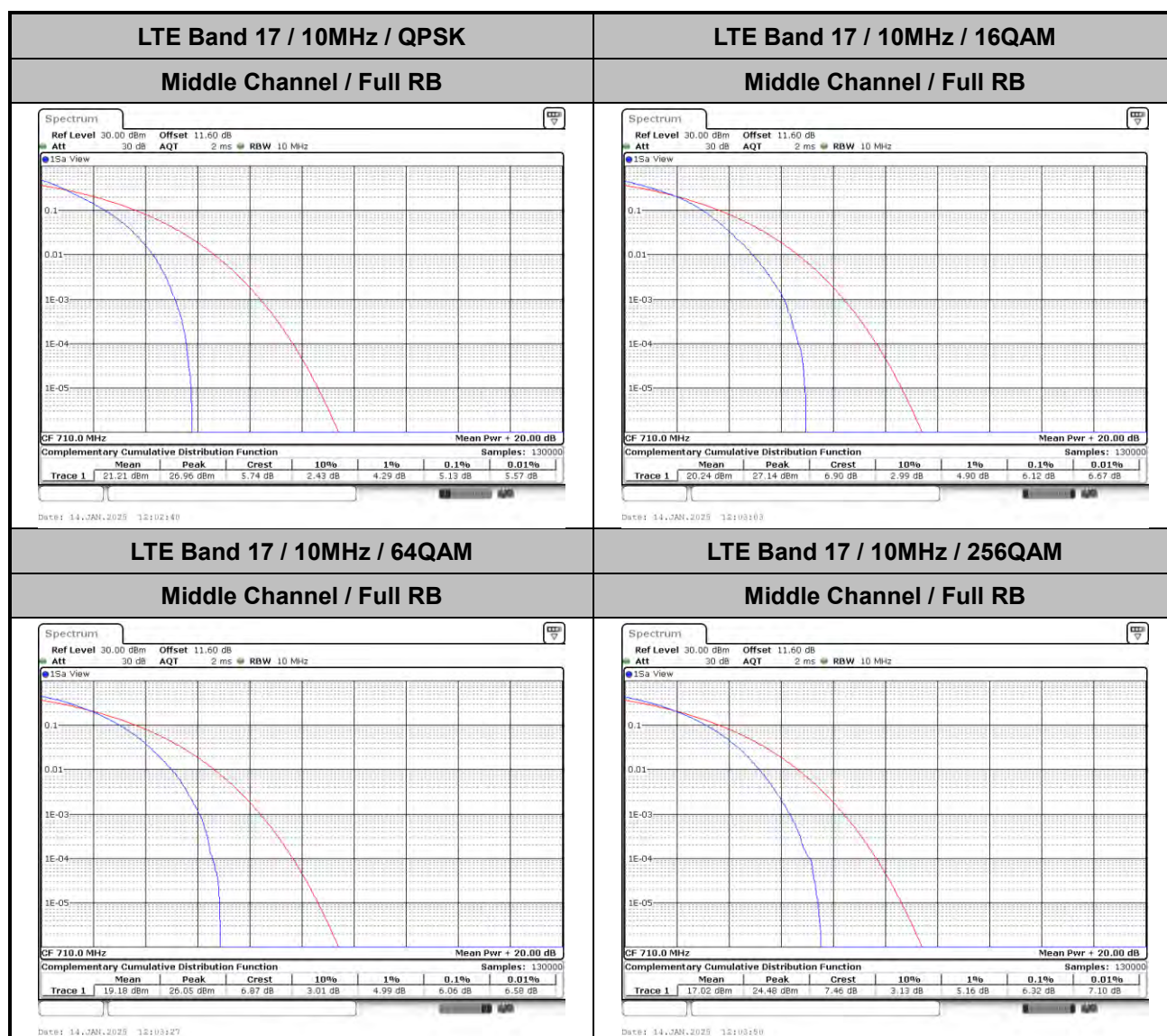
1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 17

Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.13	6.12	6.06	6.32	PASS



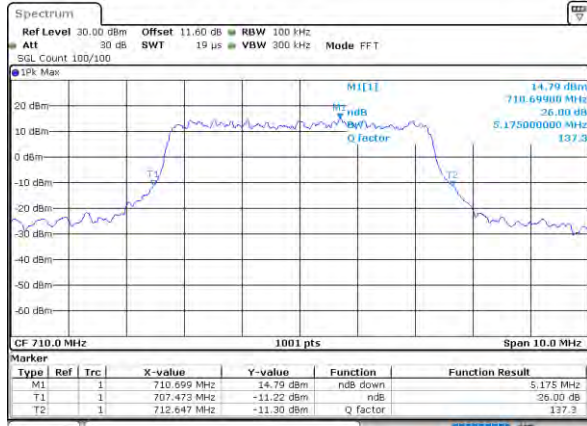
**26dB Bandwidth**

Mode	LTE Band 17 : 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	-	-	-	-	5.17	5.05	10.23	10.37	-	-	-	-
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	5.01	5.12	10.29	10.11	-	-	-	-

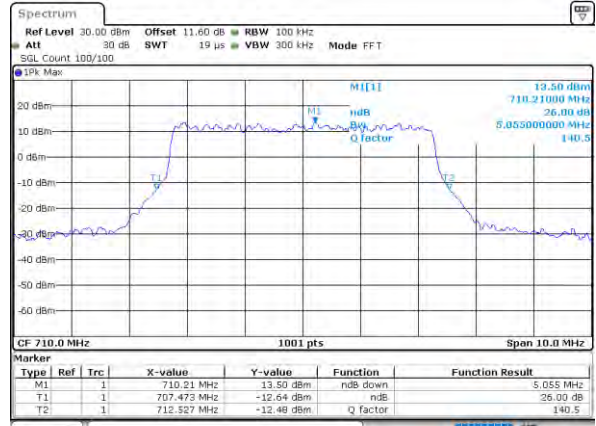


LTE Band 17

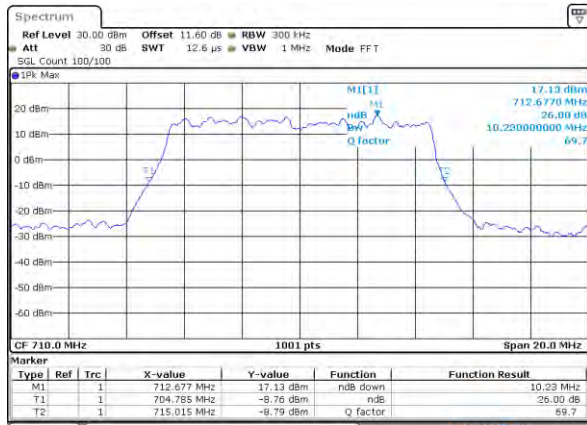
Middle Channel / 5MHz / QPSK



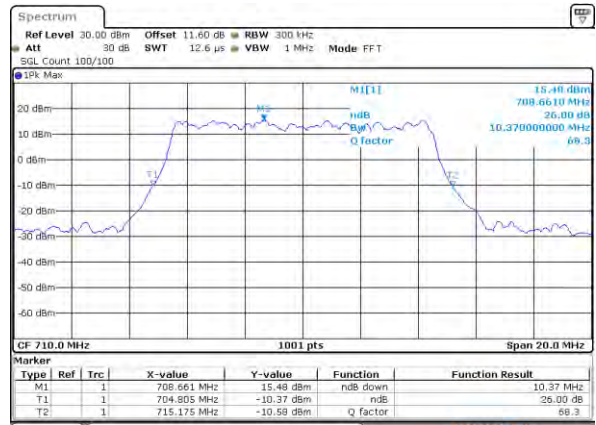
Middle Channel / 5MHz / 16QAM



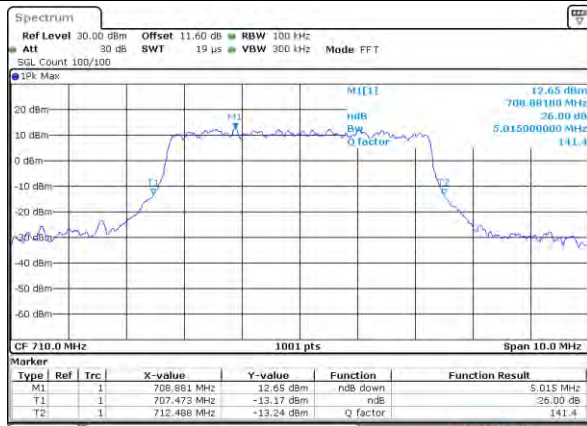
Middle Channel / 10MHz / QPSK



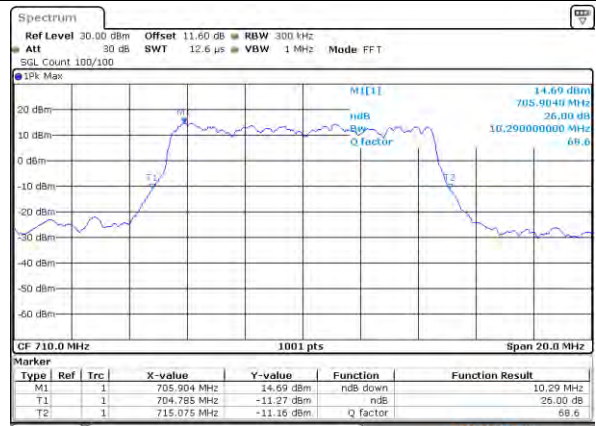
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



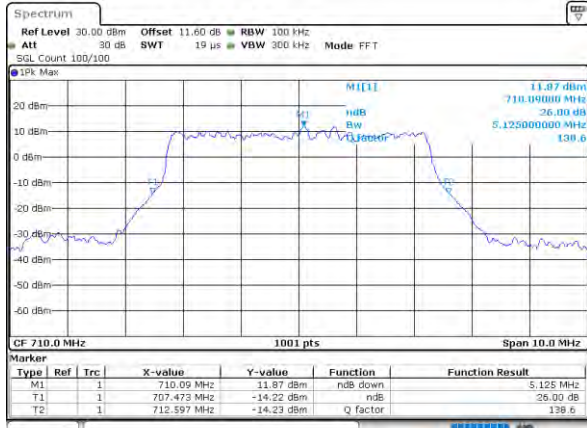
Middle Channel / 10MHz / 64QAM





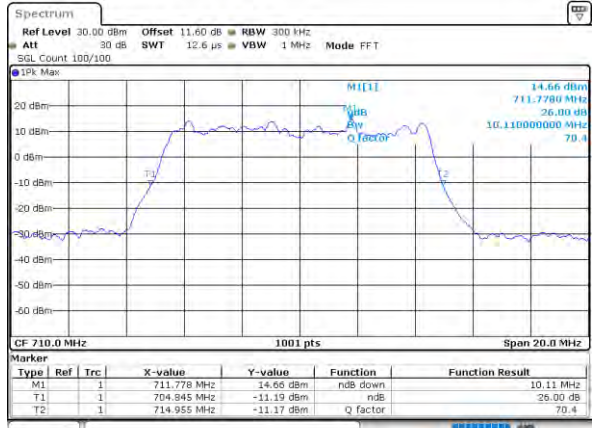
LTE Band 17

Middle Channel / 5MHz / 256QAM



Date: 14, JAN, 2025 12:10:143

Middle Channel / 10MHz / 256QAM



Date: 14, JAN, 2025 12:10:216

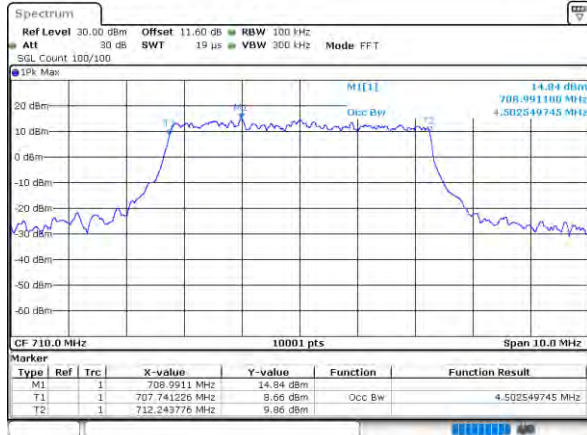
**Occupied Bandwidth**

Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.50	4.50	8.97	8.99	-	-	-	-
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.50	4.49	9.04	9.02	-	-	-	-

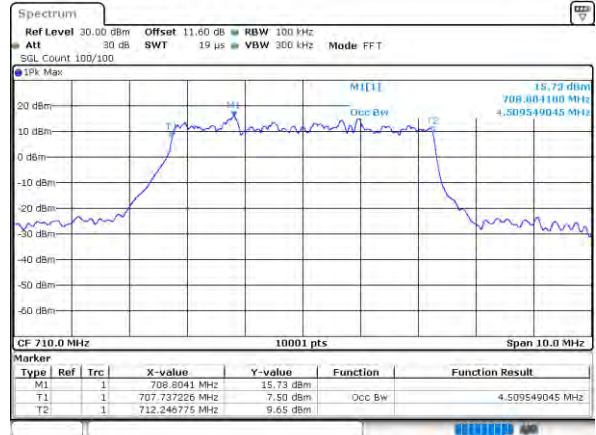


LTE Band 17

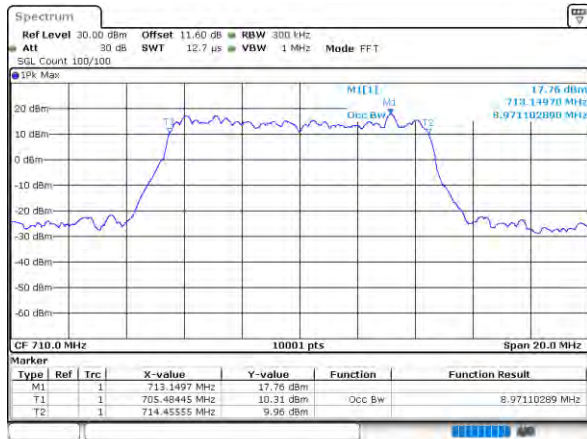
Middle Channel / 5MHz / QPSK



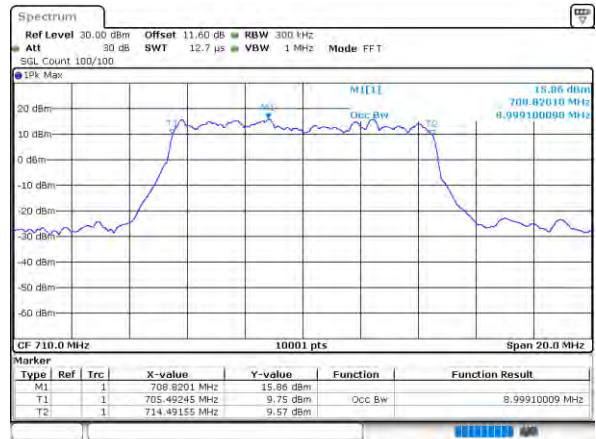
Middle Channel / 5MHz / 16QAM



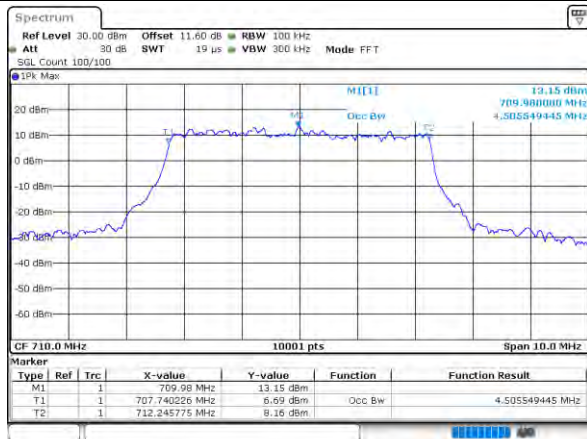
Middle Channel / 10MHz / QPSK



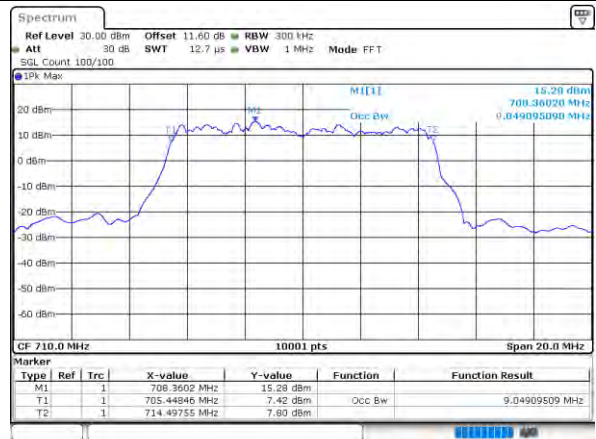
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



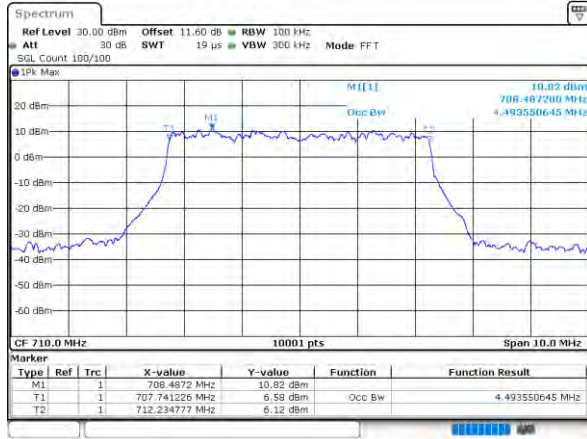
Middle Channel / 10MHz / 64QAM



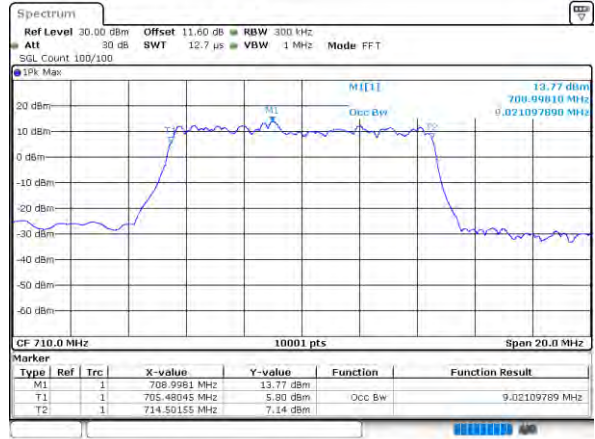


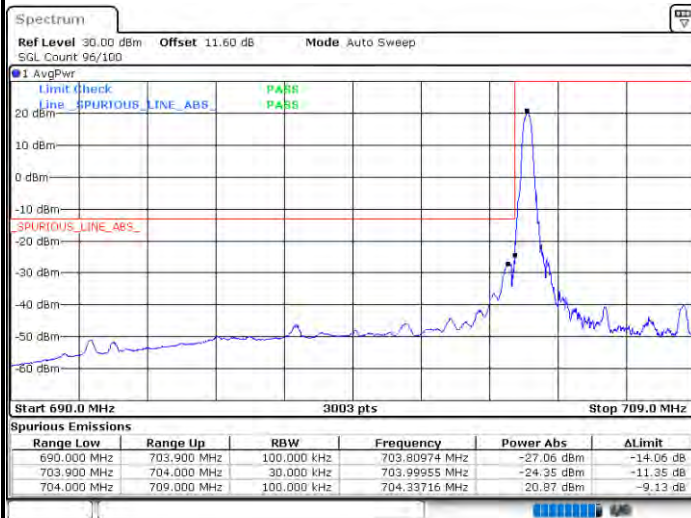
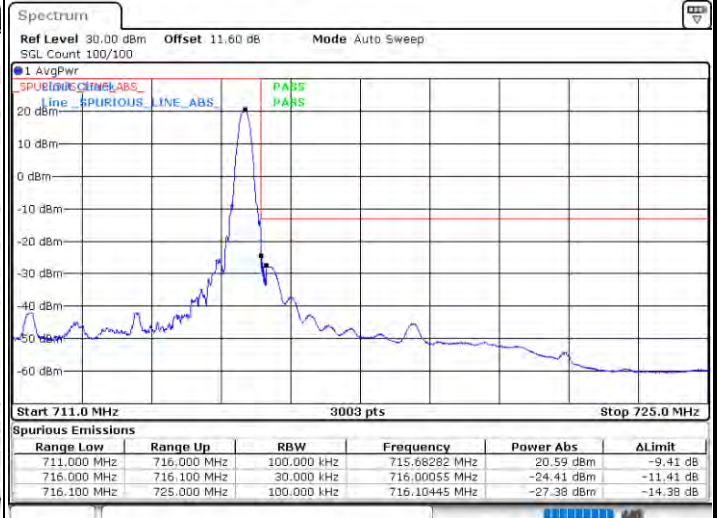
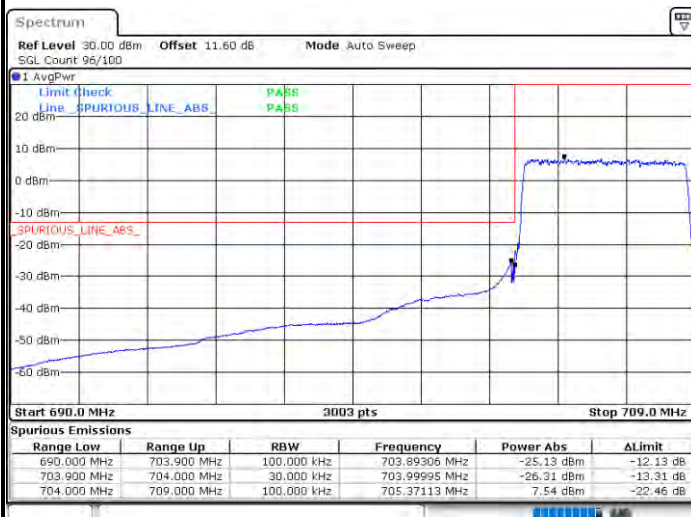
LTE Band 17

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



**Conducted Band Edge****LTE Band 17 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**