



LTE Band 12 / 1.4MHz / 64QAM

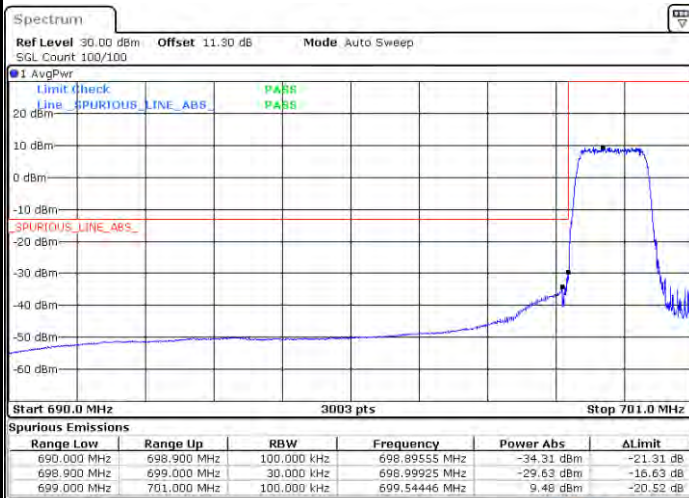
Lowest Band Edge / 1 RB



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

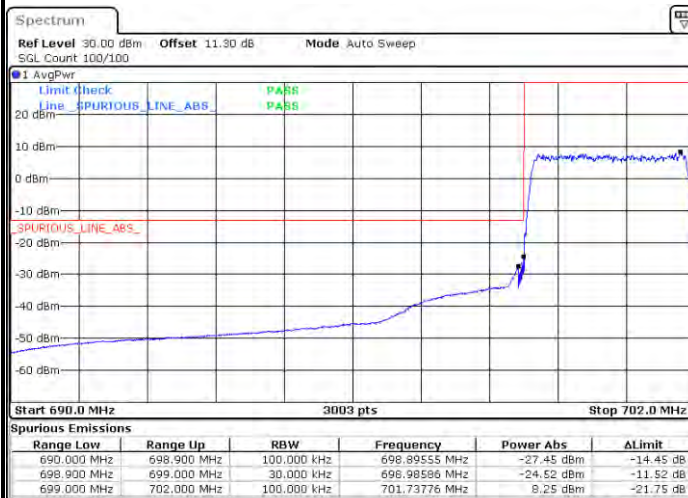


Highest Band Edge / Full RB



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

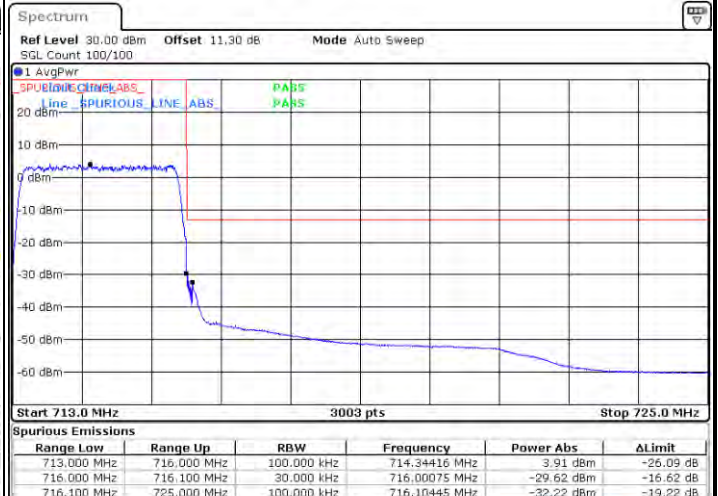


LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / Full RB



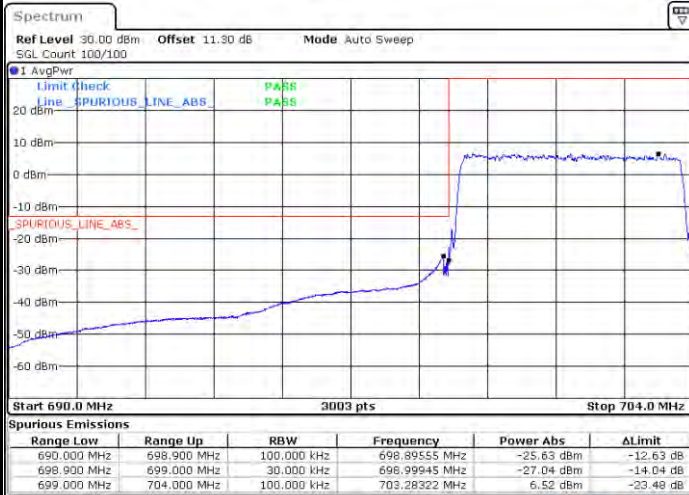
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / Full RB

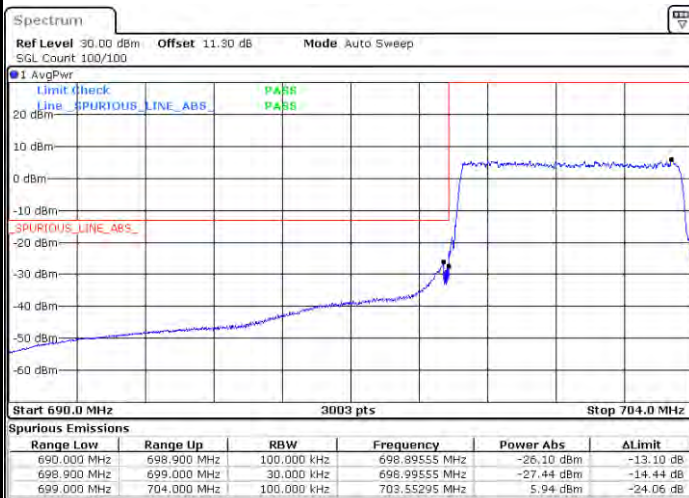


Highest Band Edge / Full RB



LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / Full RB



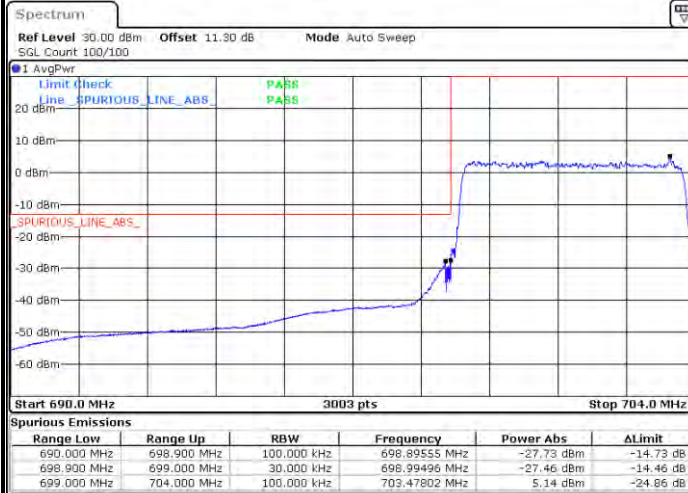
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / Full RB

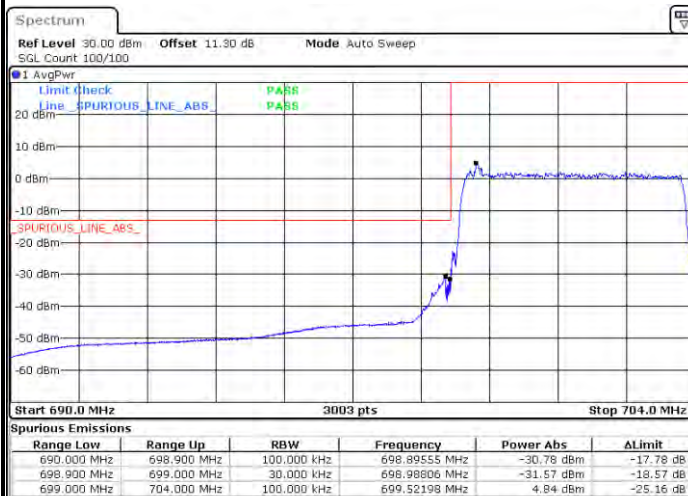


Highest Band Edge / Full RB



LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / Full RB



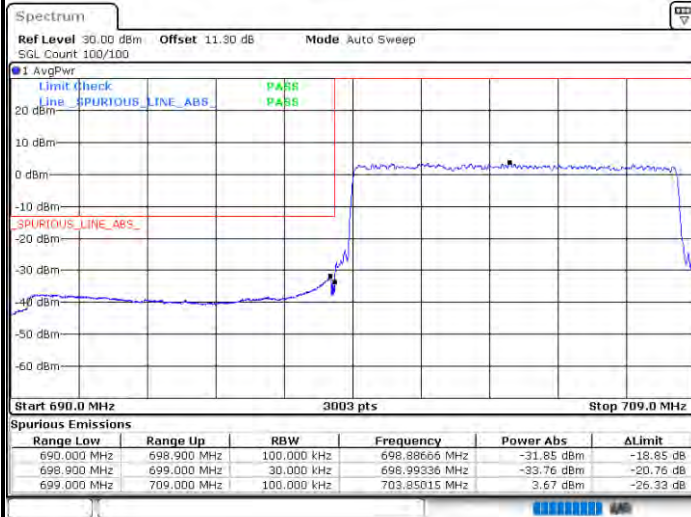
Highest Band Edge / Full RB



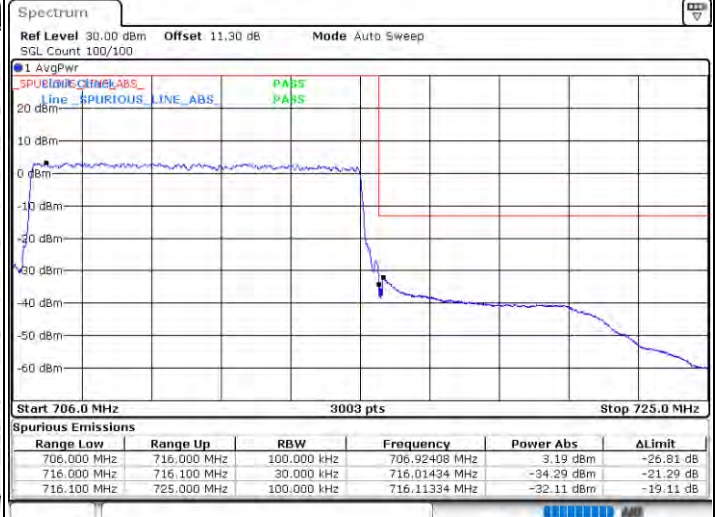


LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / Full RB

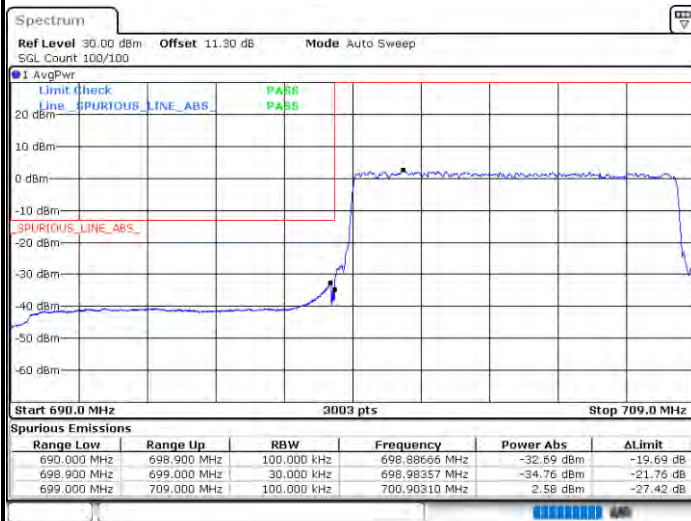


Highest Band Edge / Full RB

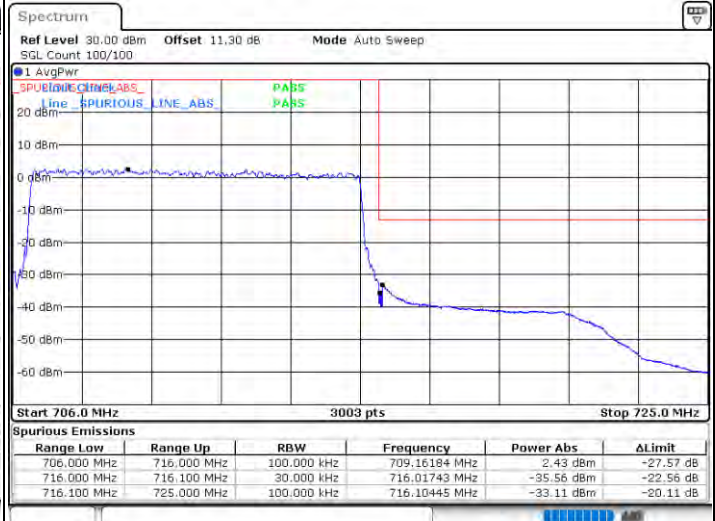


LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / Full RB



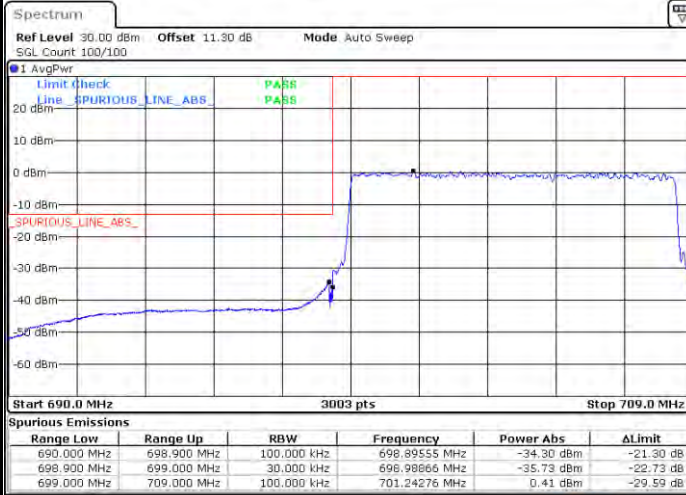
Highest Band Edge / Full RB





LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / Full RB

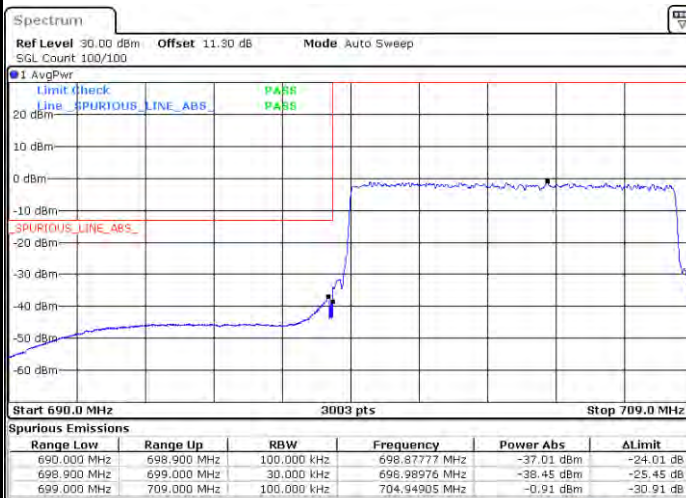


Highest Band Edge / Full RB



LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

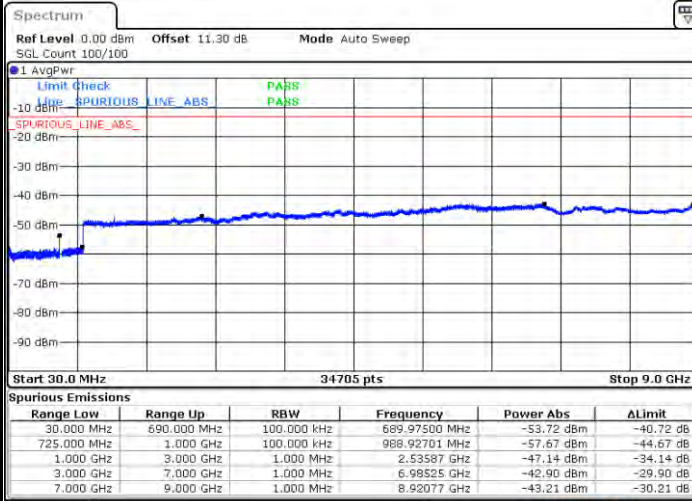




Conducted Spurious Emission

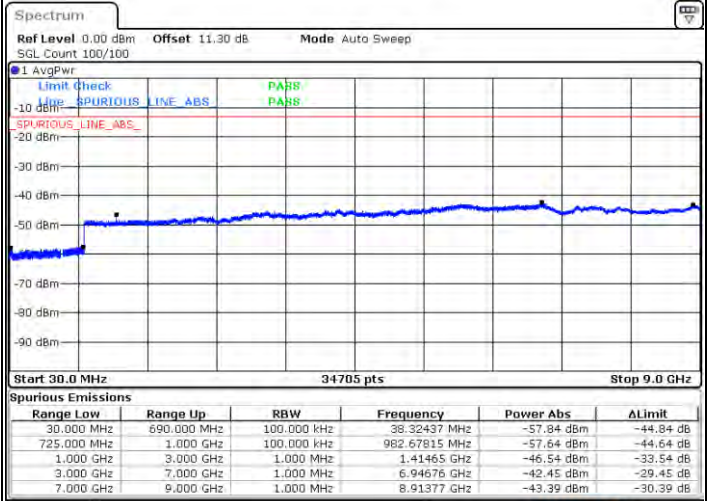
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



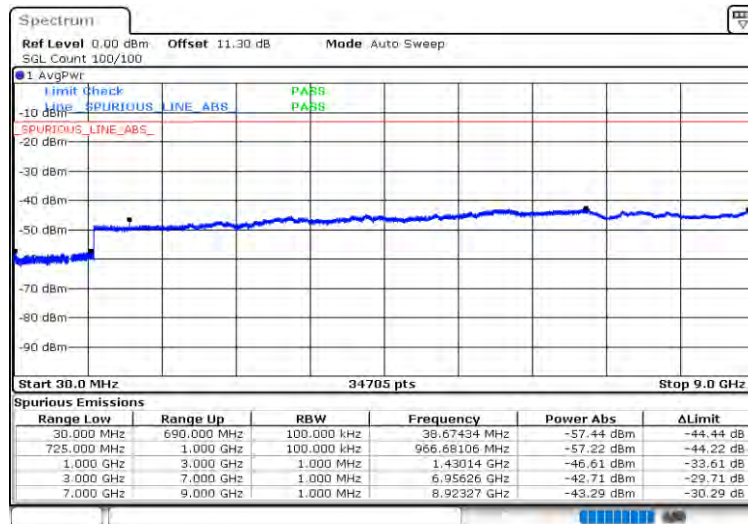
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Middle Channel / QPSK



Date: 27.DEC.2024 13:08:30

Highest Channel / QPSK

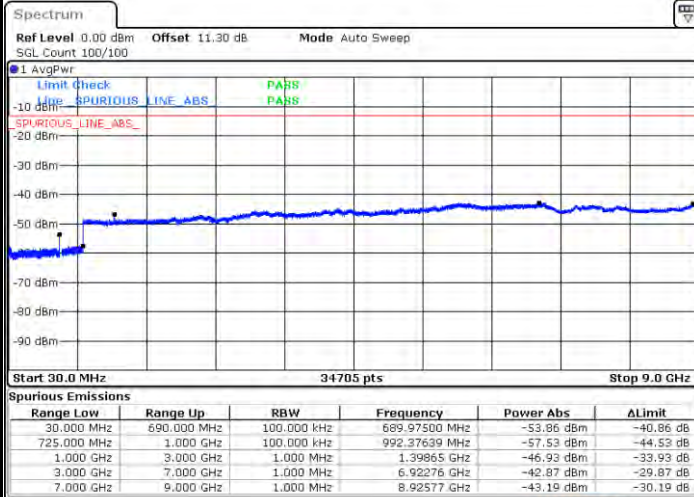


Date: 27.DEC.2024 13:11:34



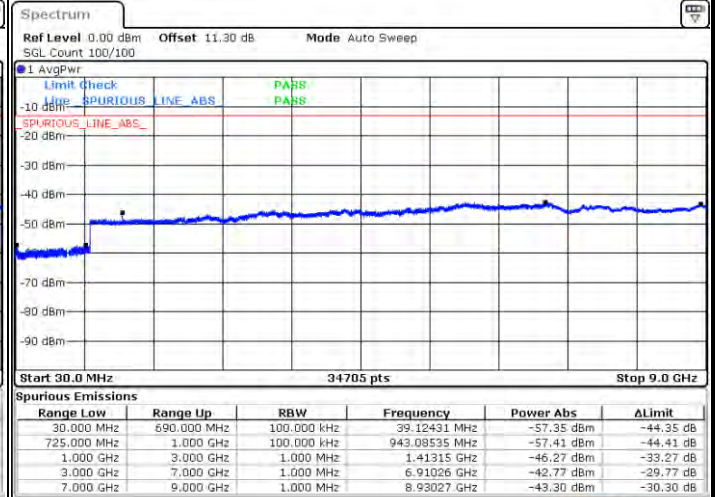
LTE Band 12 / 3MHz

Lowest Channel / QPSK



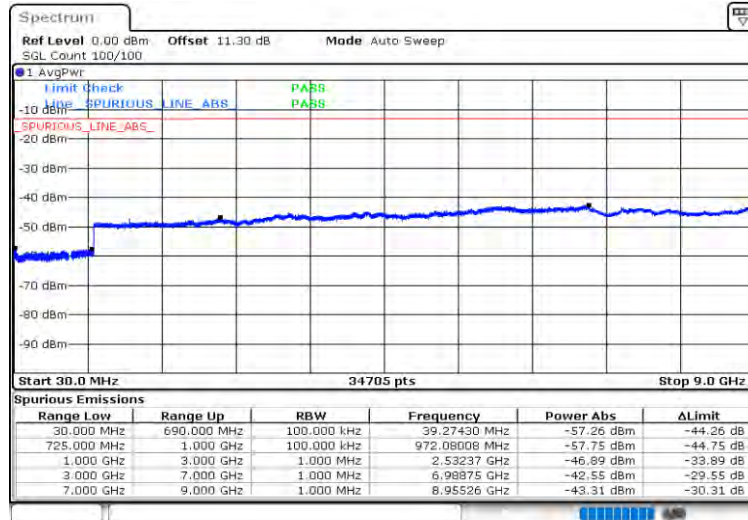
Date: 27.DEC.2024 13:13:36

Middle Channel / QPSK



Date: 27.DEC.2024 13:15:34

Highest Channel / QPSK

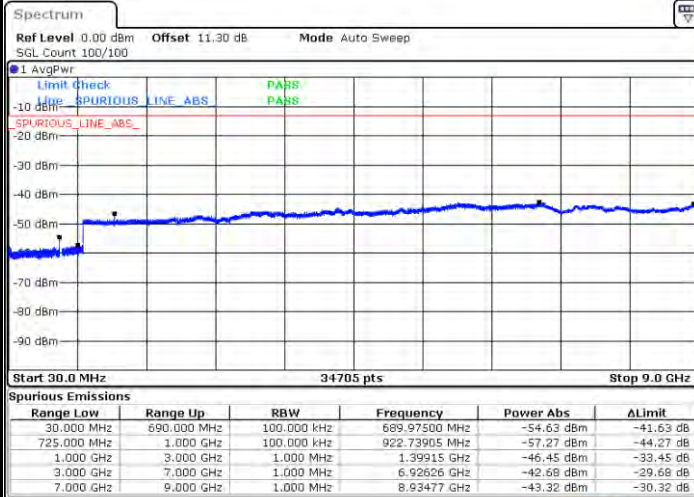


Date: 27.DEC.2024 13:17:25



LTE Band 12 / 5MHz

Lowest Channel / QPSK



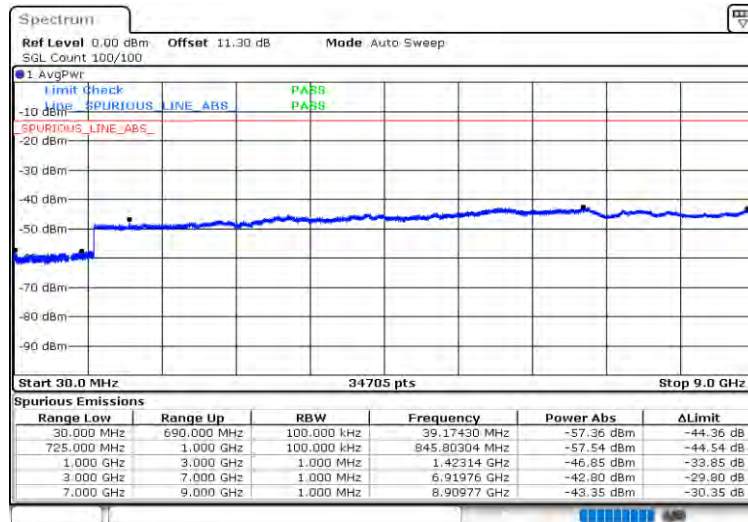
Date: 27.DEC.2024 13:18:23

Middle Channel / QPSK



Date: 27.DEC.2024 13:21:17

Highest Channel / QPSK

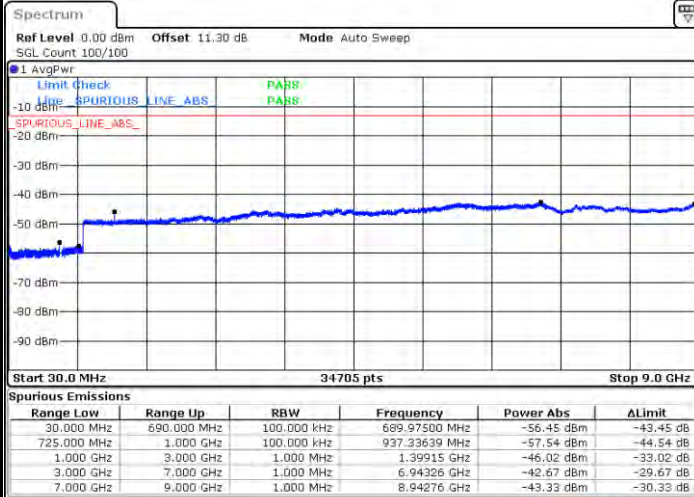


Date: 27.DEC.2024 13:23:15



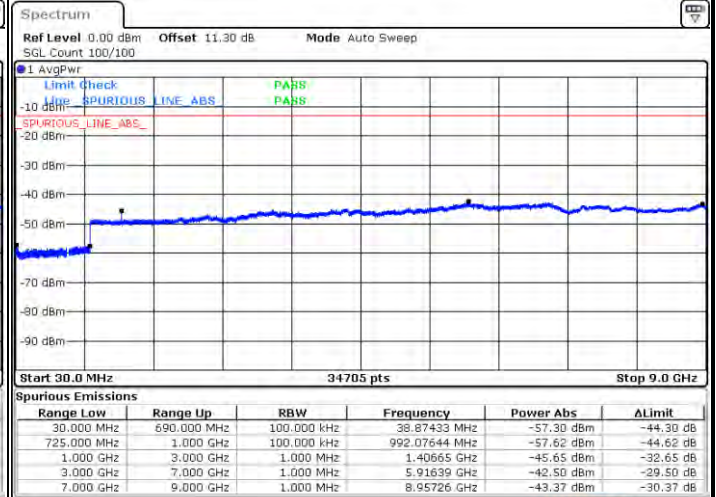
LTE Band 12 / 10MHz

Lowest Channel / QPSK



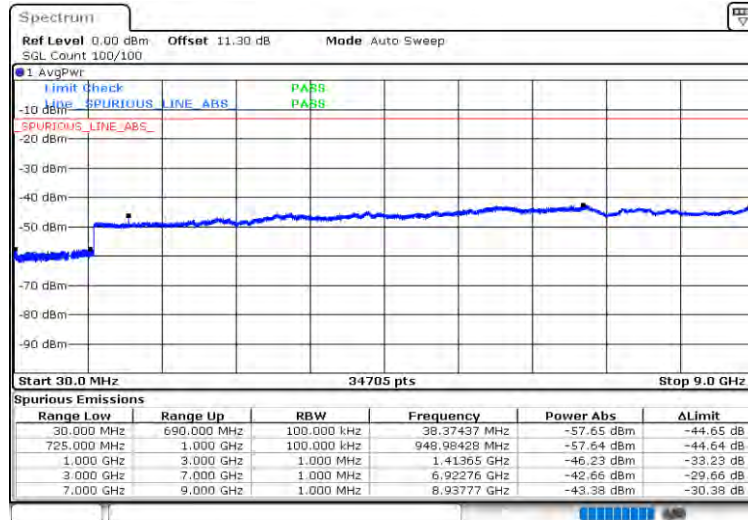
Date: 27.DEC.2024 13:25:02

Middle Channel / QPSK



Date: 27.DEC.2024 13:27:05

Highest Channel / QPSK



Date: 27.DEC.2024 13:28:17

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
55	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0045	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0041	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0078	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0030	

Note:

1. Normal Voltage = 3.89 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

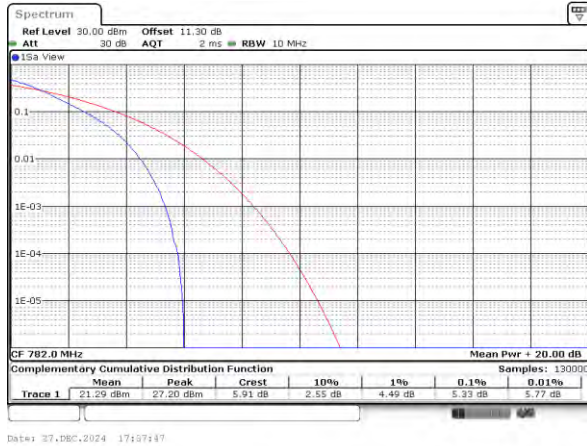
Peak-to-Average Ratio

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	5.33	6.32	6.23	6.64	PASS



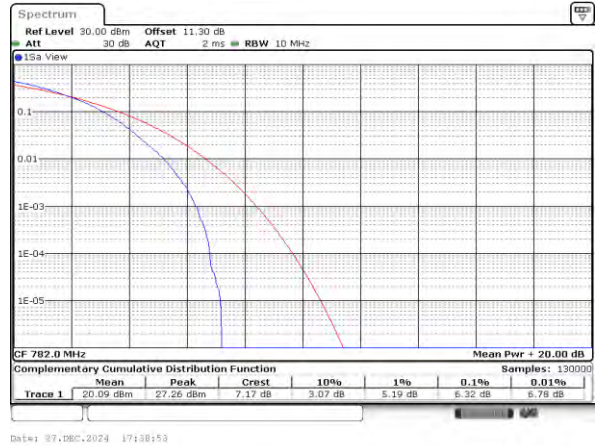
LTE Band 13 / 10MHz / QPSK

Middle Channel / Full RB



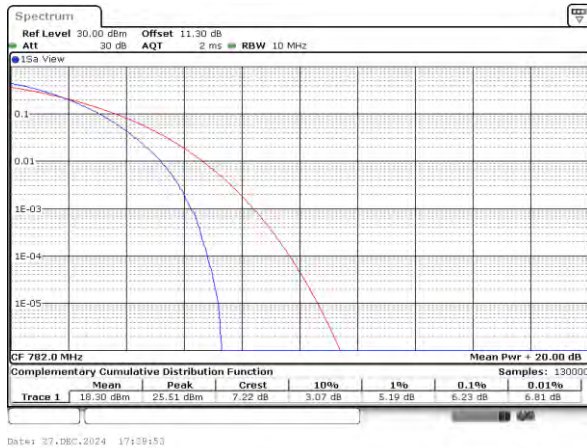
LTE Band 13 / 10MHz / 16QAM

Middle Channel / Full RB



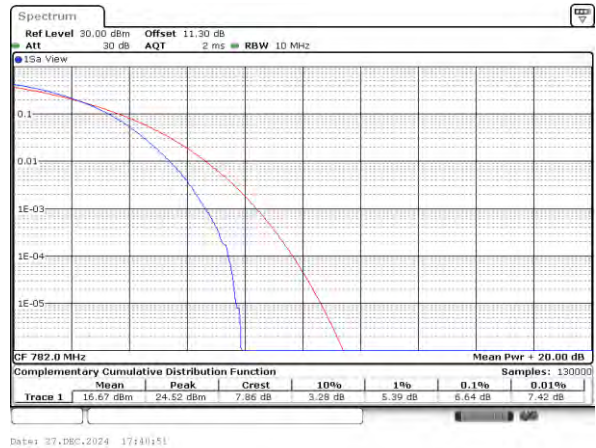
LTE Band 13 / 10MHz / 64QAM

Middle Channel / Full RB



LTE Band 13 / 10MHz / 256QAM

Middle Channel / Full RB



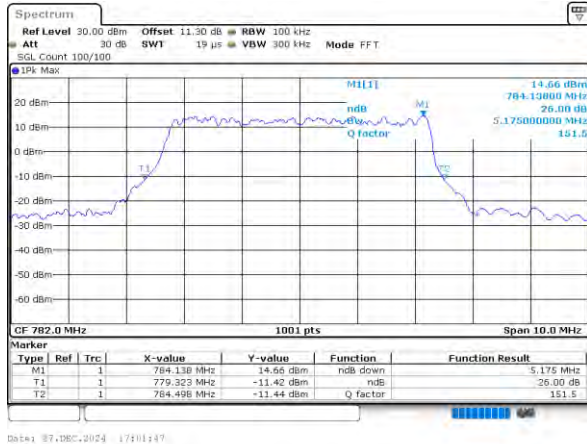
**26dB Bandwidth**

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	-	-	-	-	5.17	5.17	10.01	10.05	-	-	-	-
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	-	-	-	-	5.09	5.17	10.23	10.31	-	-	-	-

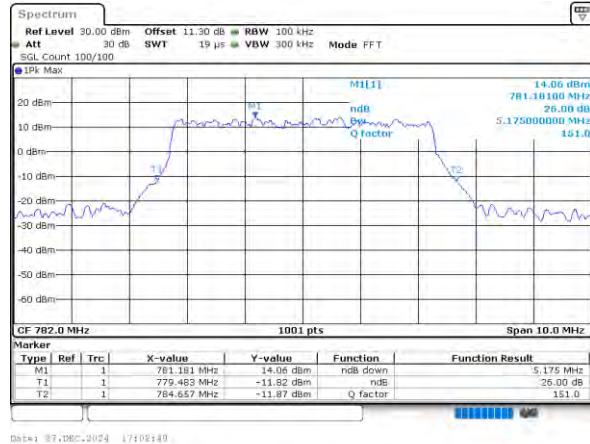


LTE Band 13

Middle Channel / 5MHz / QPSK



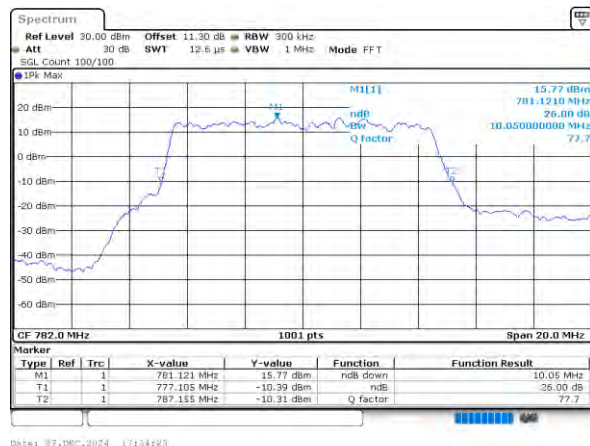
Middle Channel / 5MHz / 16QAM



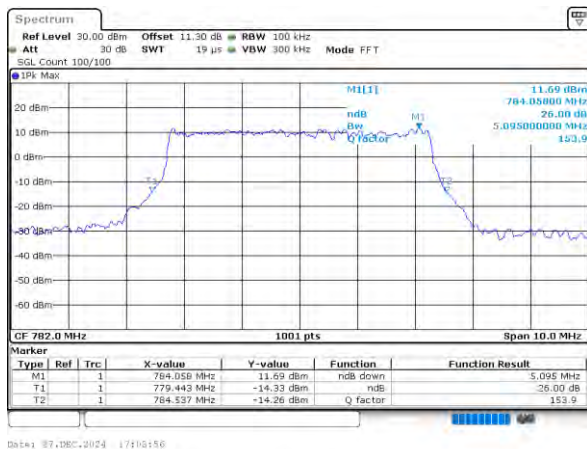
Middle Channel / 10MHz / QPSK



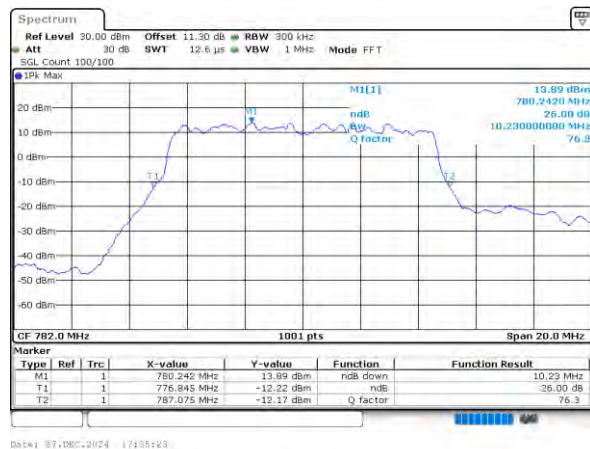
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



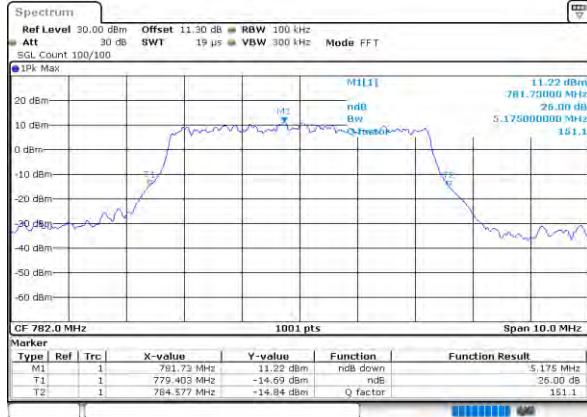
Middle Channel / 10MHz / 64QAM



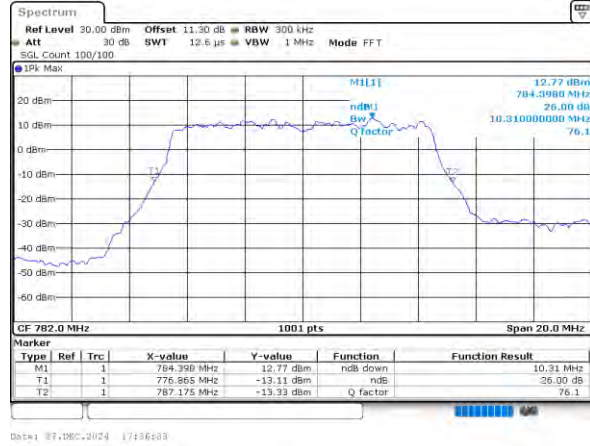


LTE Band 13

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



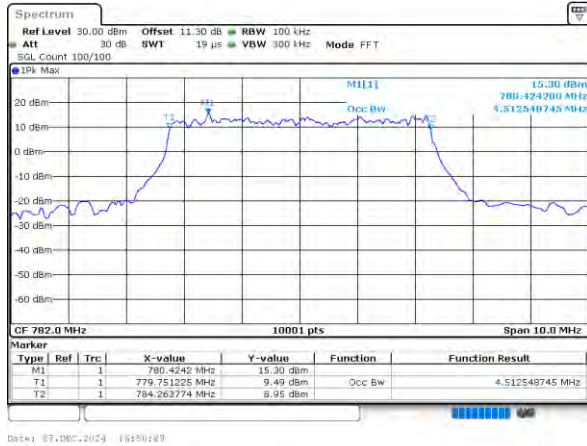
**Occupied Bandwidth**

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	-	-	-	-	4.51	4.51	9.00	8.94	-	-	-	-
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	-	-	-	-	4.48	4.46	8.98	9.03	-	-	-	-

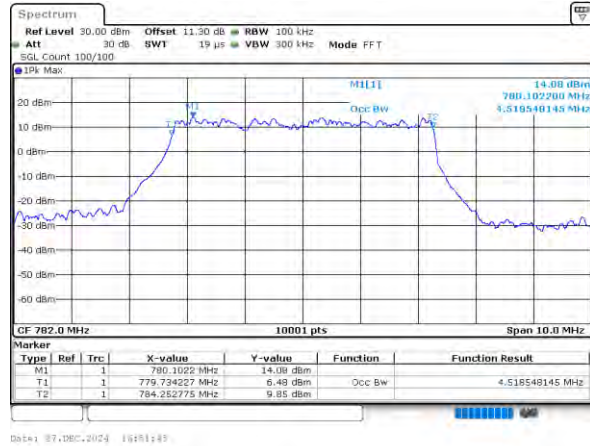


LTE Band 13

Middle Channel / 5MHz / QPSK



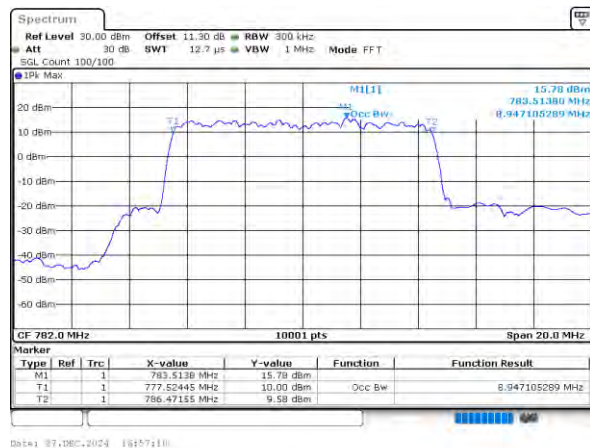
Middle Channel / 5MHz / 16QAM



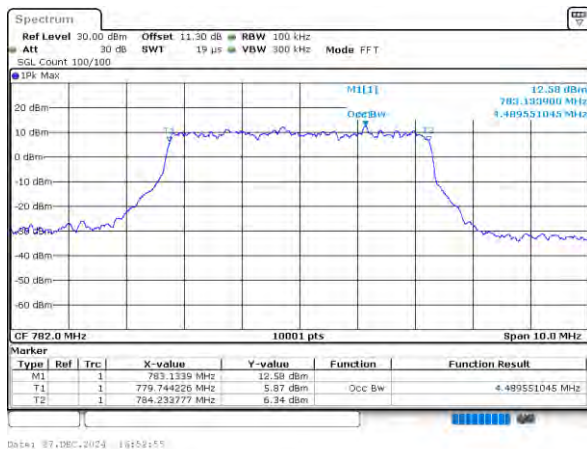
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



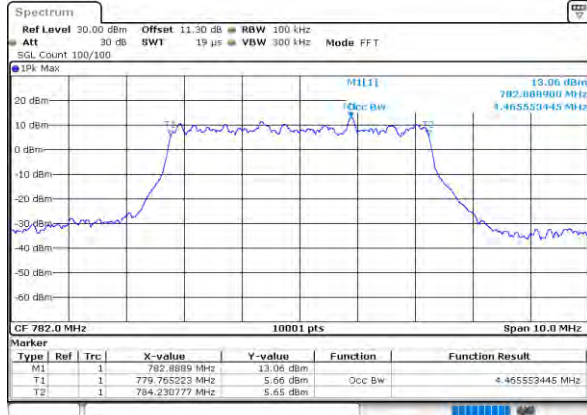
Middle Channel / 10MHz / 64QAM



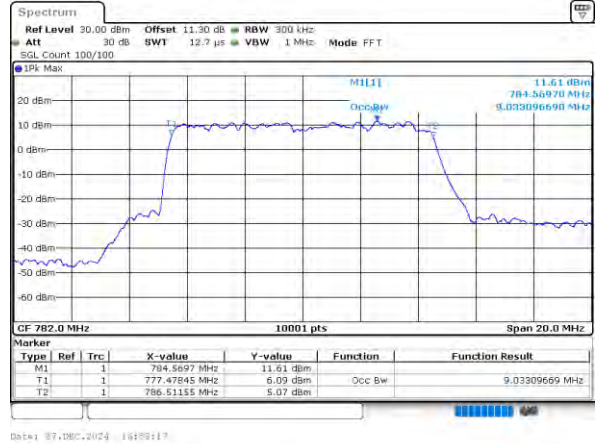


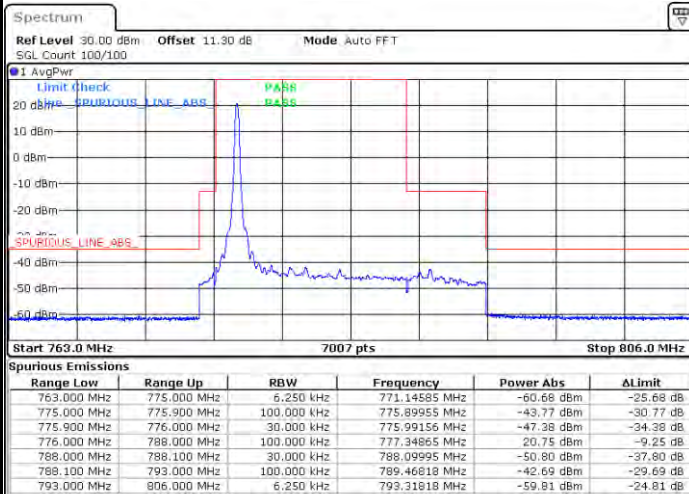
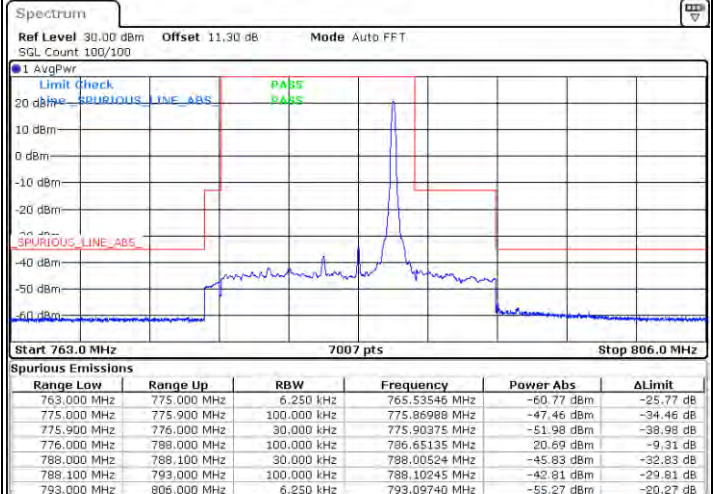
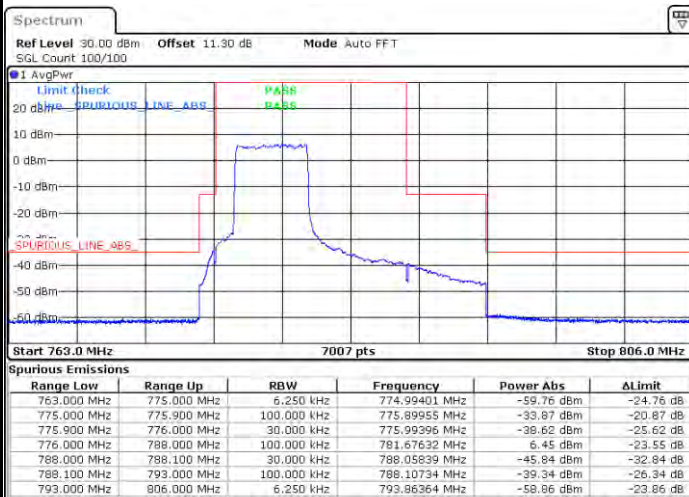
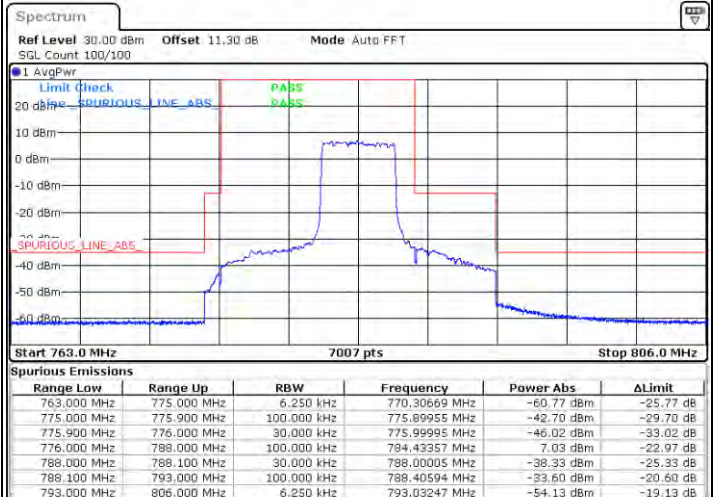
LTE Band 13

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM

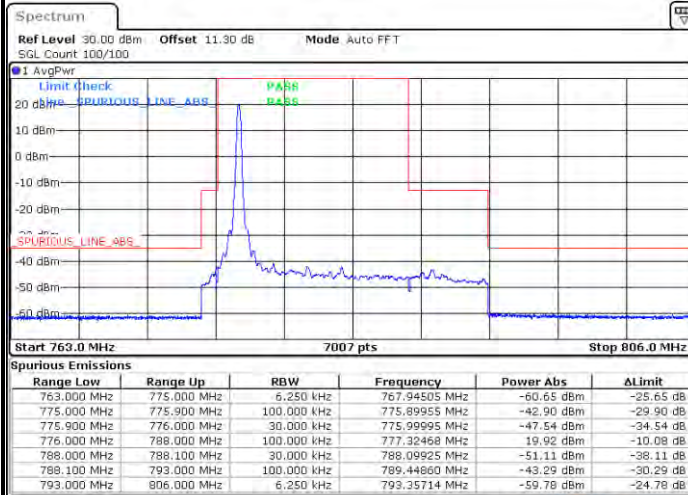


**Conducted Band Edge****LTE Band 13 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



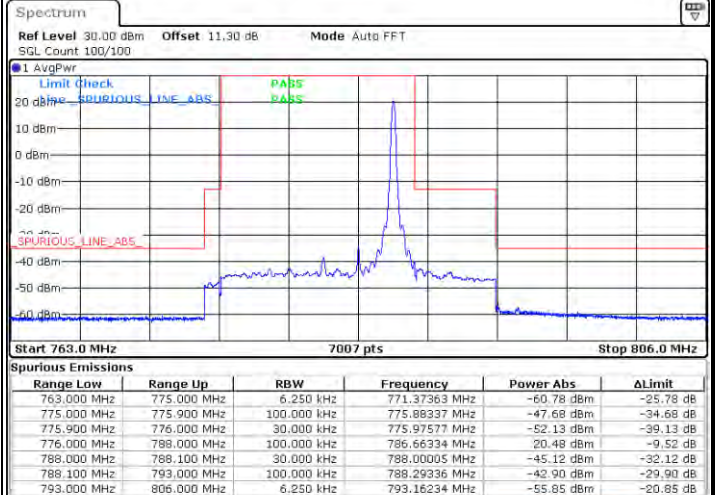
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



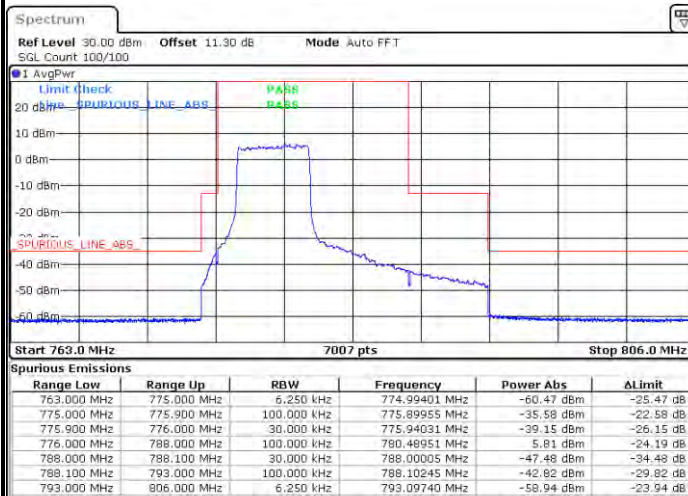
Date: 27.DEC.2024 16:21:33

Highest Band Edge / 1 RB



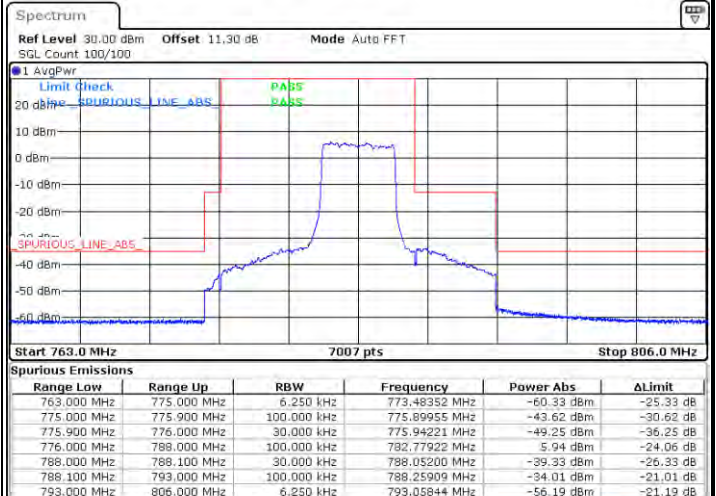
Date: 27.DEC.2024 16:37:24

Lowest Band Edge / Full RB



Date: 27.DEC.2024 16:13:53

Highest Band Edge / Full RB

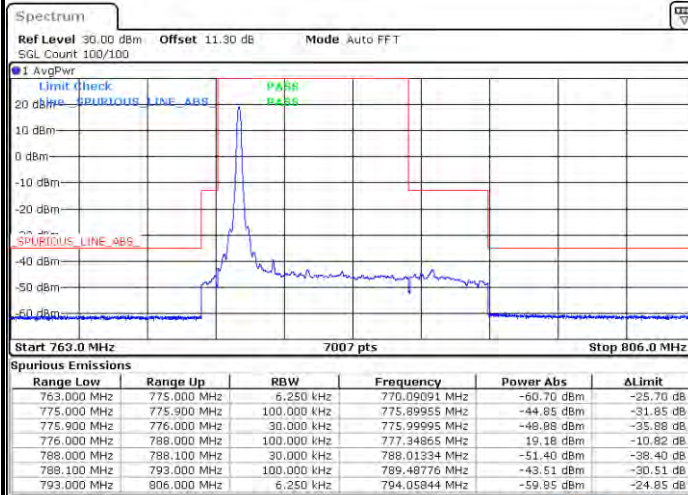


Date: 27.DEC.2024 16:29:26

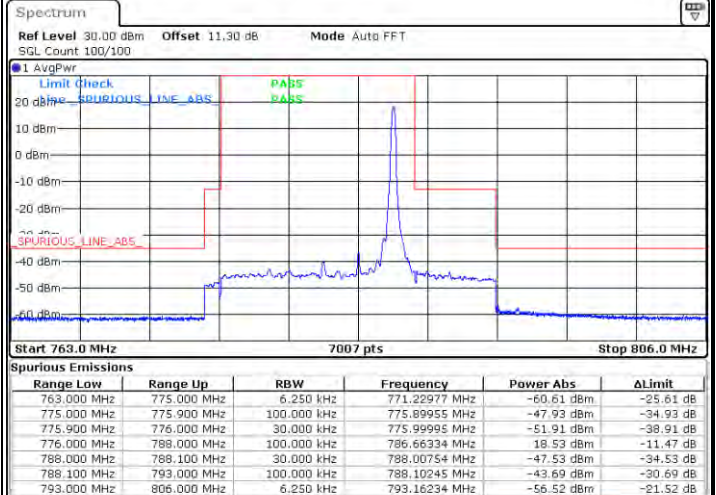


LTE Band 13 / 5MHz / 64QAM

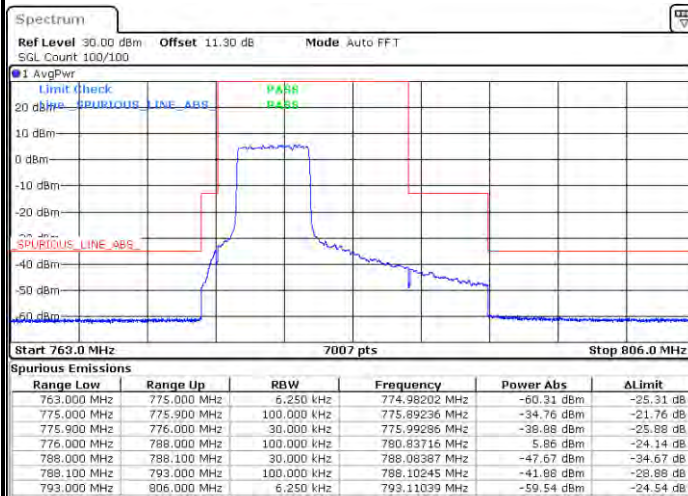
Lowest Band Edge / 1 RB



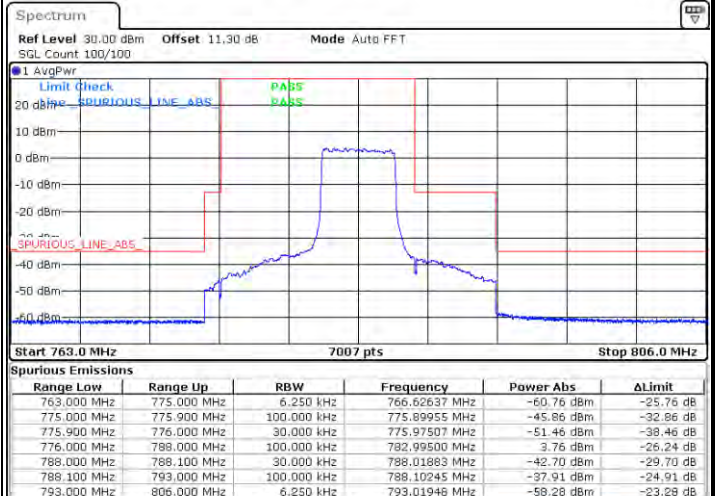
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



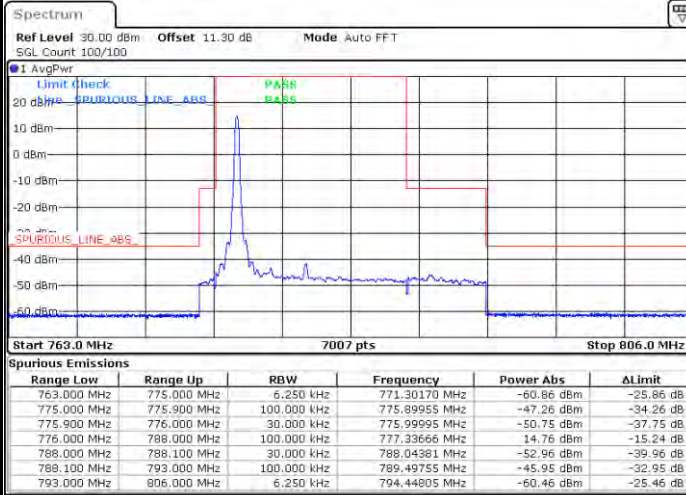
Highest Band Edge / Full RB



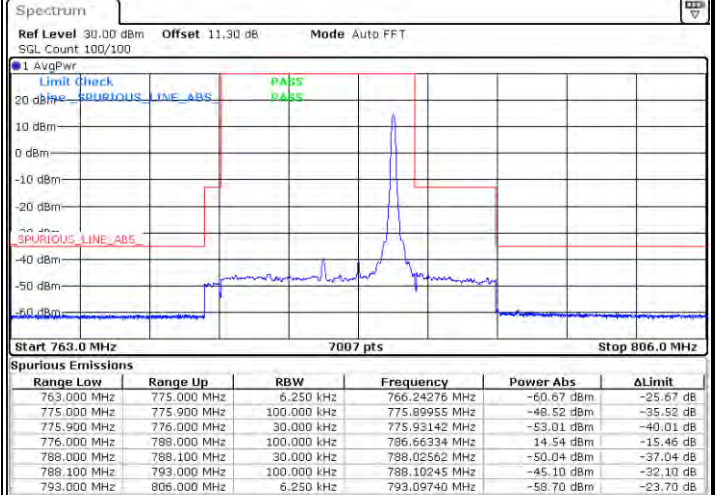


LTE Band 13 / 5MHz / 256QAM

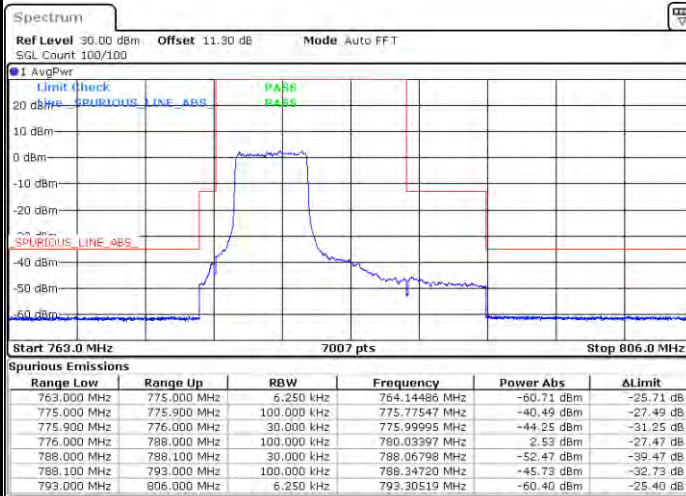
Lowest Band Edge / 1 RB



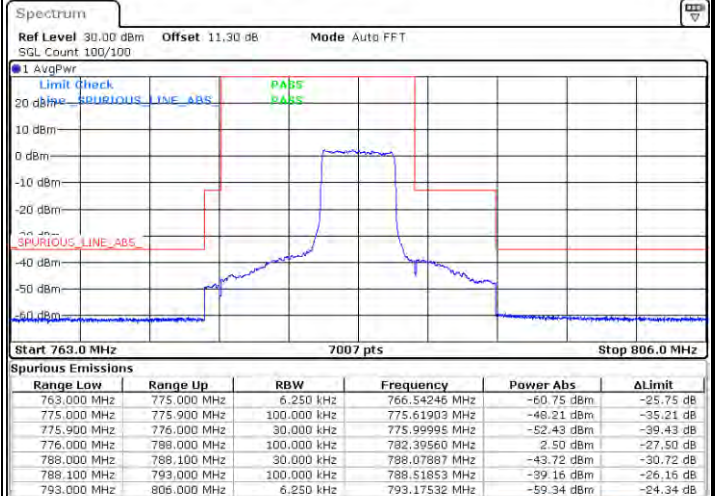
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



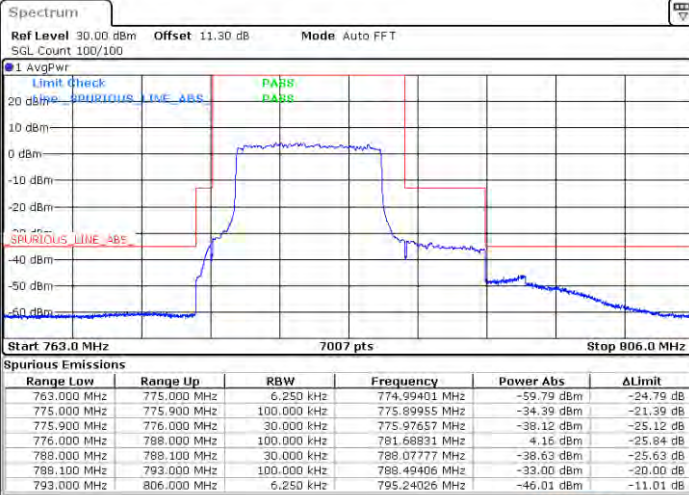
Highest Band Edge / Full RB





LTE Band 13 / 10MHz / QPSK

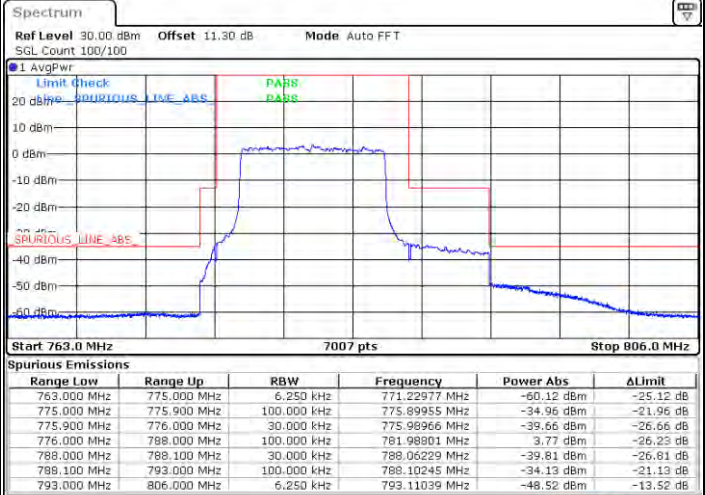
Band Edge / Full RB



Date: 27.DEC.2024 16:42:54

LTE Band 13 / 10MHz / 16QAM

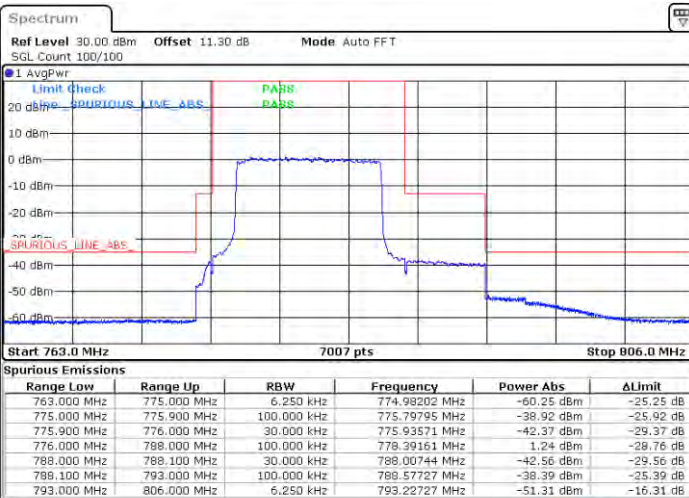
Band Edge / Full RB



Date: 27.DEC.2024 16:44:44

LTE Band 13 / 10MHz / 64QAM

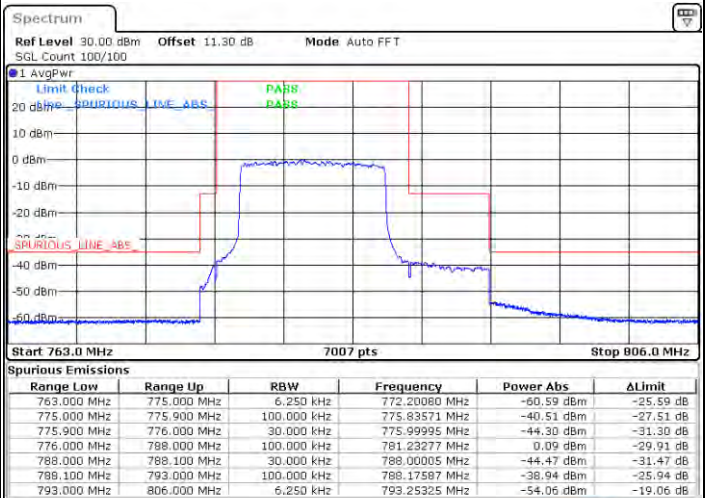
Band Edge / Full RB



Date: 27.DEC.2024 16:46:45

LTE Band 13 / 10MHz / 256QAM

Band Edge / Full RB



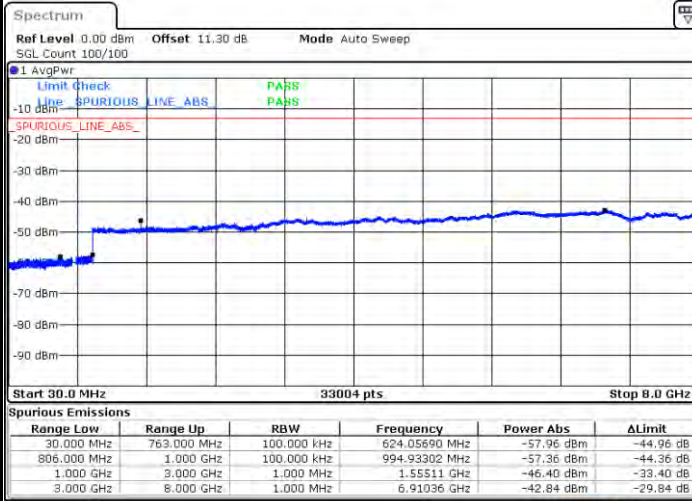
Date: 27.DEC.2024 16:48:36



Conducted Spurious Emission

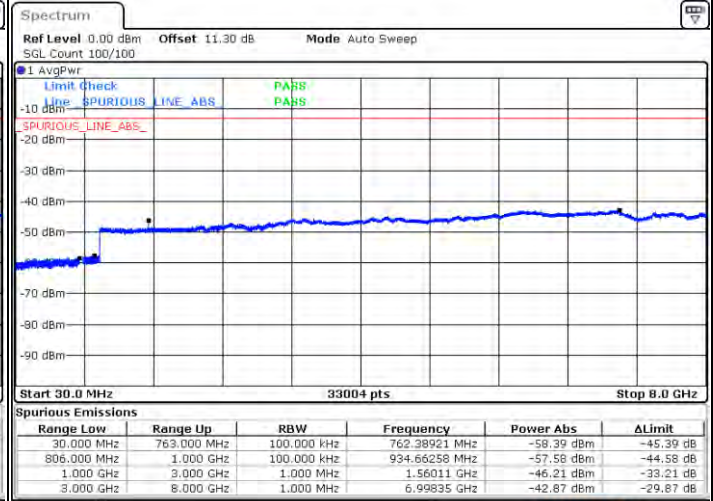
LTE Band 13 / 5MHz

Lowest Channel / QPSK



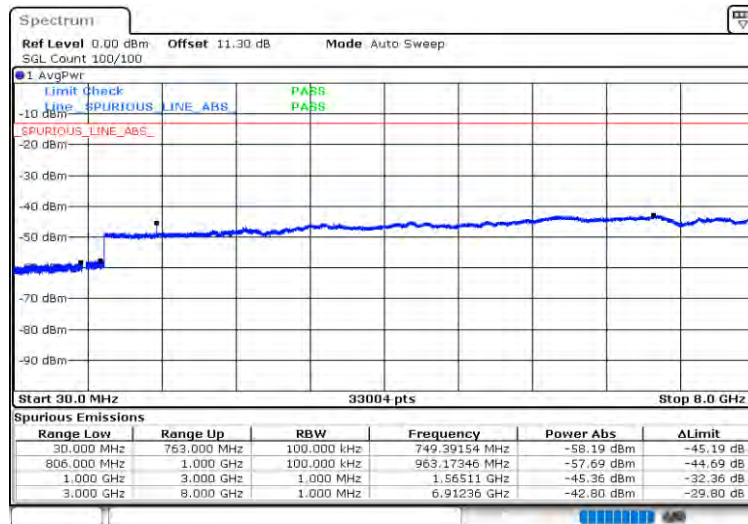
Date: 27.DEC.2024 17:42:40

Middle Channel / QPSK



Date: 27.DEC.2024 17:44:30

Highest Channel / QPSK

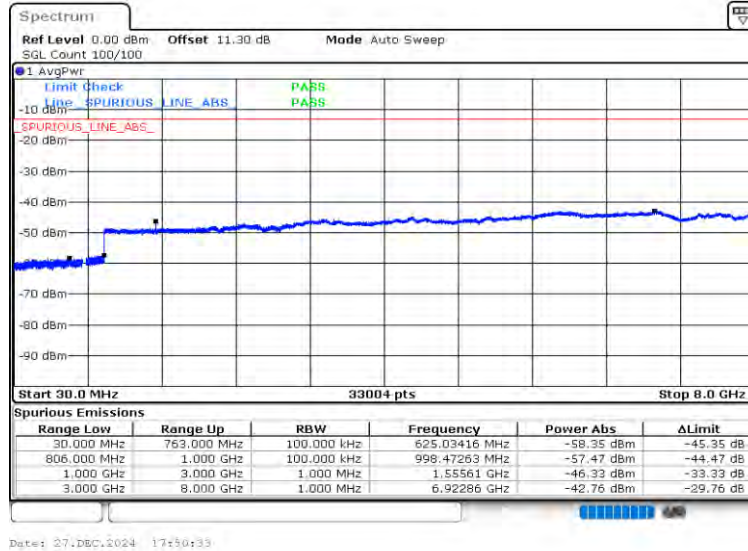


Date: 27.DEC.2024 17:48:29



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
55	Normal Voltage	0.0028	PASS
40	Normal Voltage	0.0038	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0073	
-10	Normal Voltage	0.0043	
-20	Normal Voltage	0.0033	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0052	

Note:

1. Normal Voltage =3.89 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

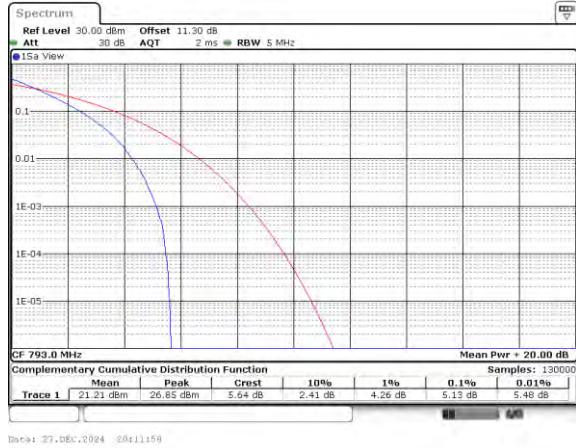
Peak-to-Average Ratio

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	5.13	6.14	6.14	6.43	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	5.13	6.17	6.29	6.43	PASS



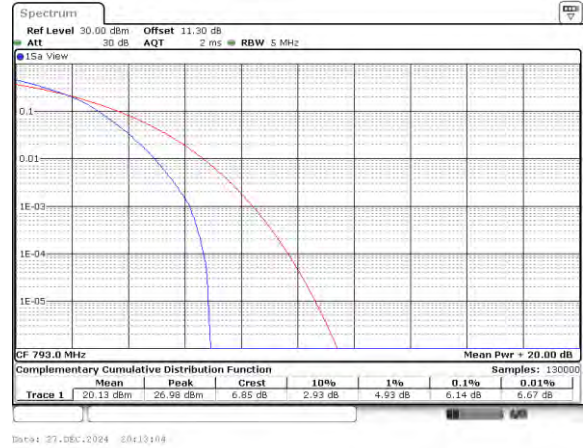
LTE Band 14 / 5MHz / QPSK

Middle Channel / Full RB



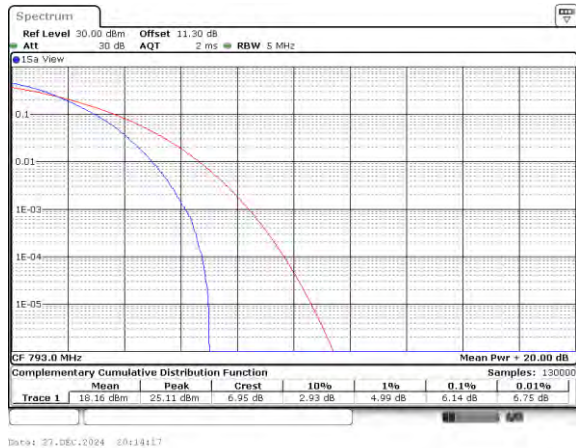
LTE Band 14 / 5MHz / 16QAM

Middle Channel / Full RB



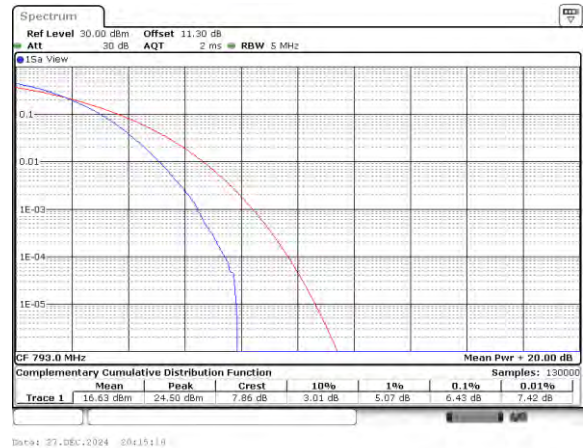
LTE Band 14 / 5MHz / 64QAM

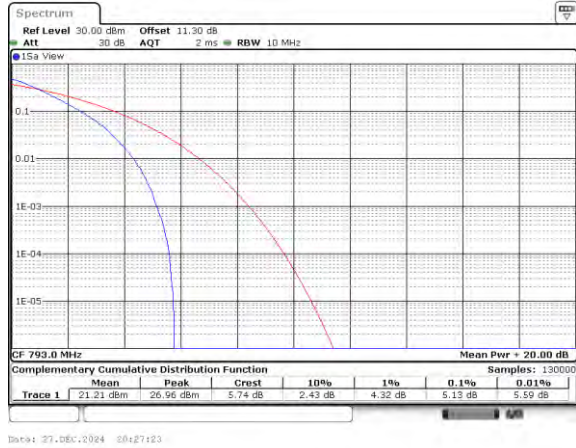
Middle Channel / Full RB



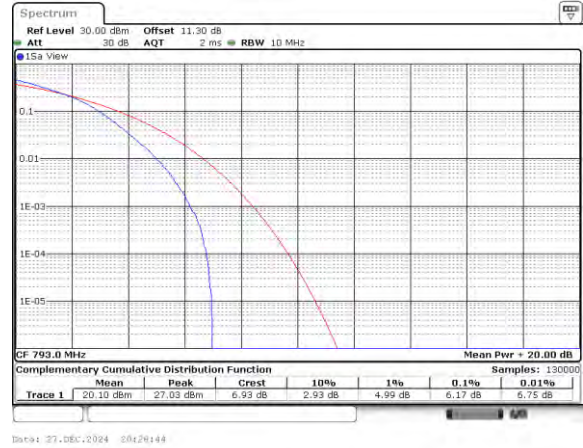
LTE Band 14 / 5MHz / 256QAM

Middle Channel / Full RB

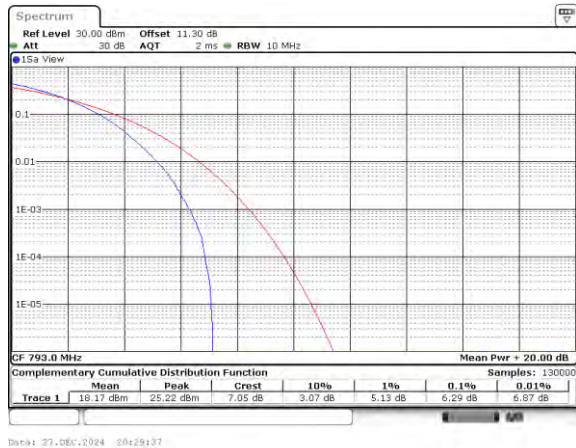


LTE Band 14 / 10MHz / QPSK
Middle Channel / Full RB


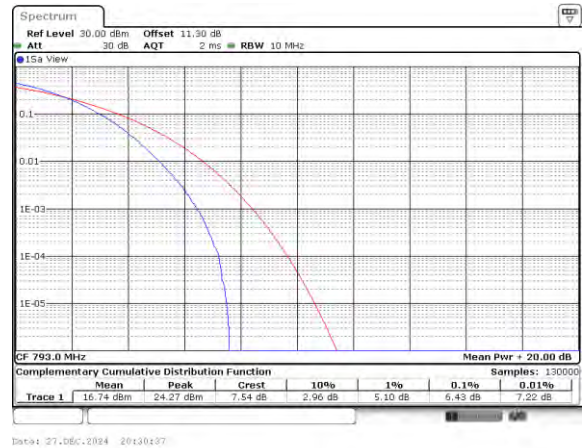
Date: 27.DEC.2024 08:27:23

LTE Band 14 / 10MHz / 16QAM
Middle Channel / Full RB


Date: 27.DEC.2024 08:29:44

LTE Band 14 / 10MHz / 64QAM
Middle Channel / Full RB


Date: 27.DEC.2024 08:29:37

LTE Band 14 / 10MHz / 256QAM
Middle Channel / Full RB


Date: 27.DEC.2024 20:30:37

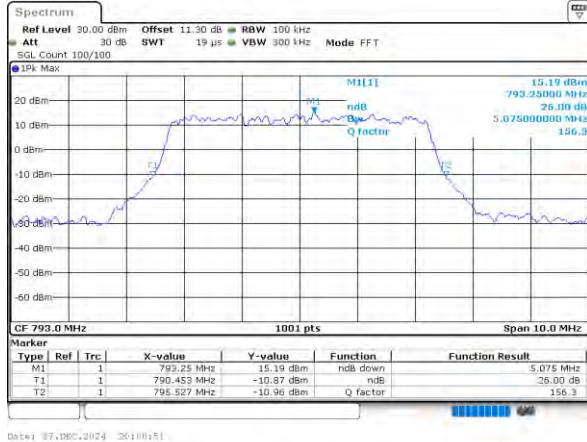
**26dB Bandwidth**

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	-	-	-	-	5.07	5.18	10.25	9.93	-	-	-	-
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	-	-	-	-	5.19	5.22	10.11	9.85	-	-	-	-

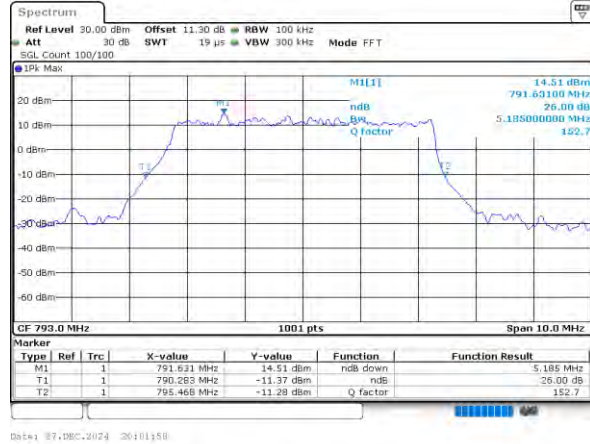


LTE Band 14

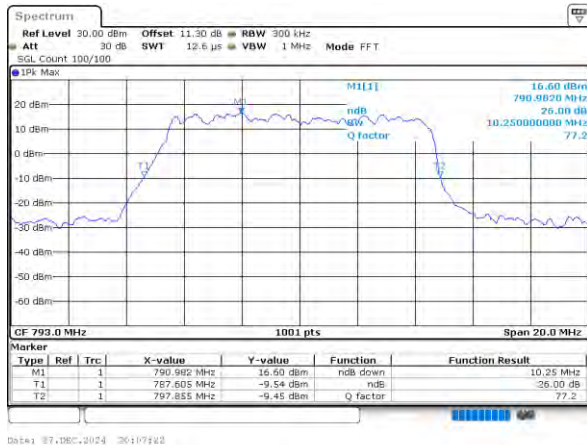
Middle Channel / 5MHz / QPSK



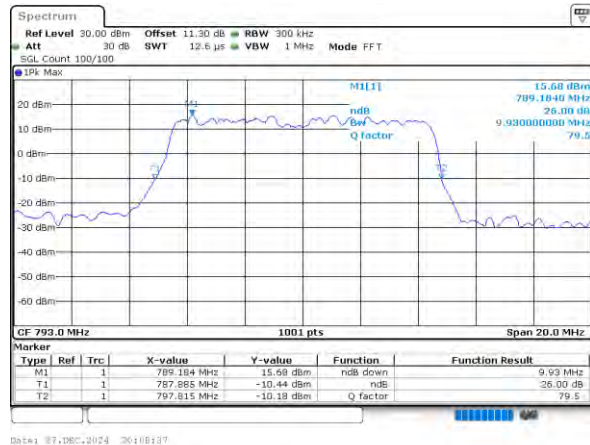
Middle Channel / 5MHz / 16QAM



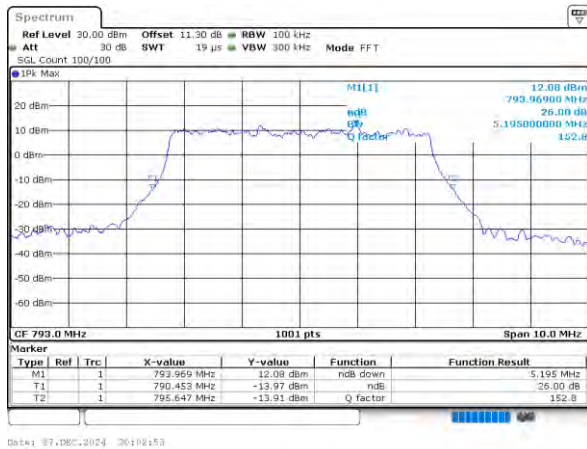
Middle Channel / 10MHz / QPSK



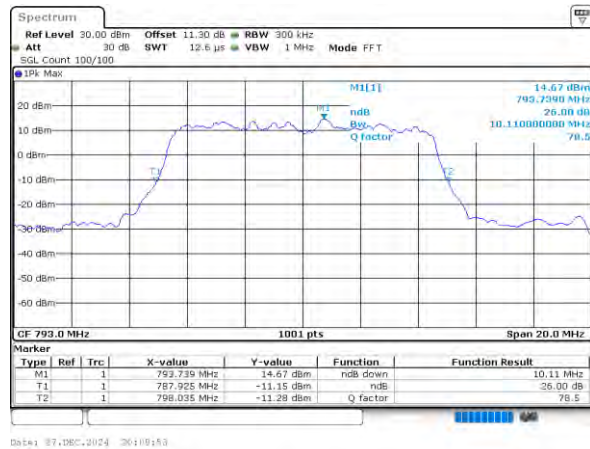
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



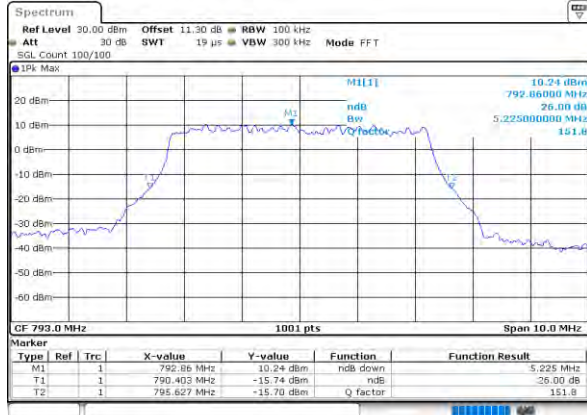
Middle Channel / 10MHz / 64QAM





LTE Band 14

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



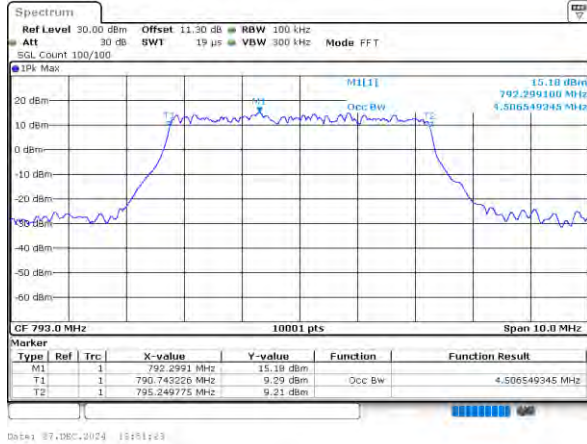
**Occupied Bandwidth**

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	-	-	-	-	4.50	4.50	9.00	8.98	-	-	-	-
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	-	-	-	-	4.51	4.47	9.12	9.05	-	-	-	-

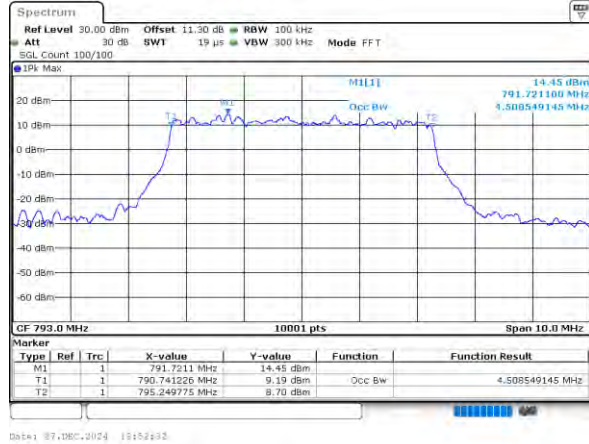


LTE Band 14

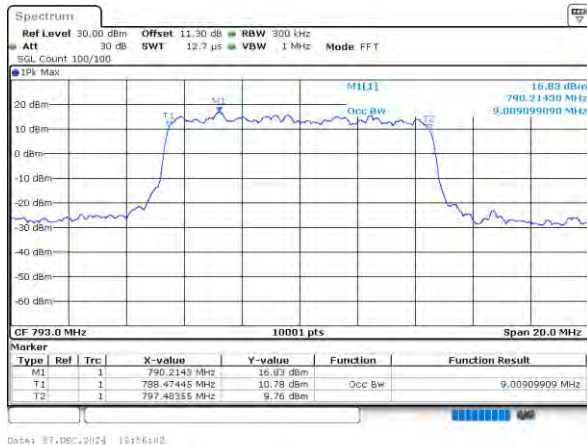
Middle Channel / 5MHz / QPSK



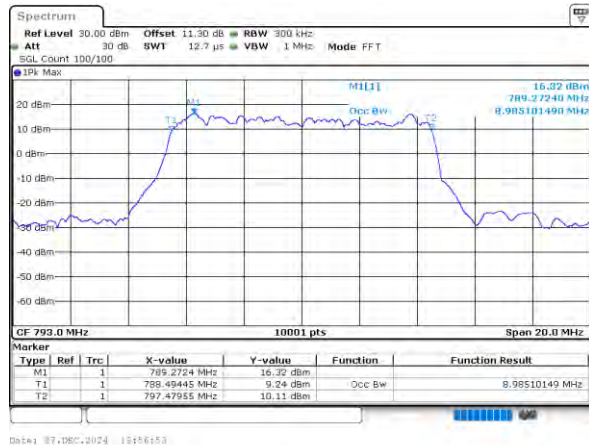
Middle Channel / 5MHz / 16QAM



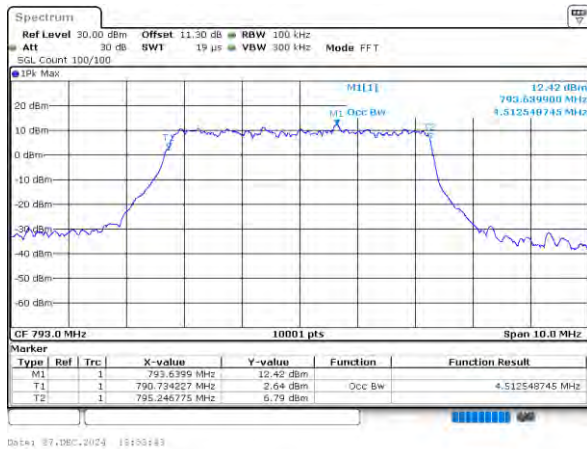
Middle Channel / 10MHz / QPSK



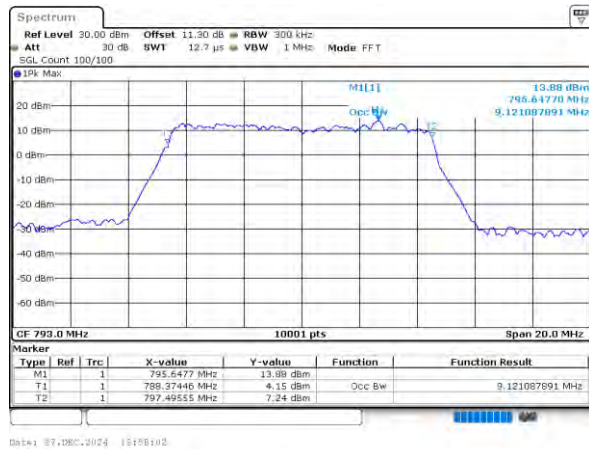
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



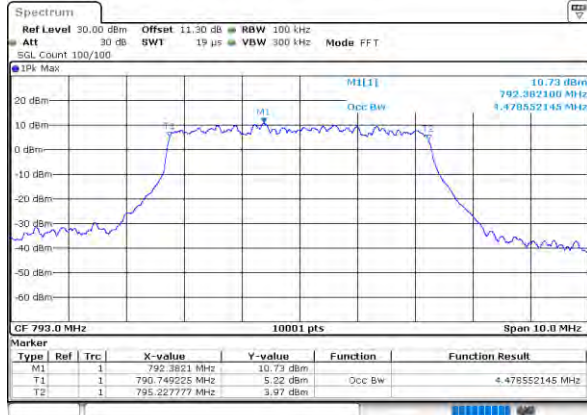
Middle Channel / 10MHz / 64QAM



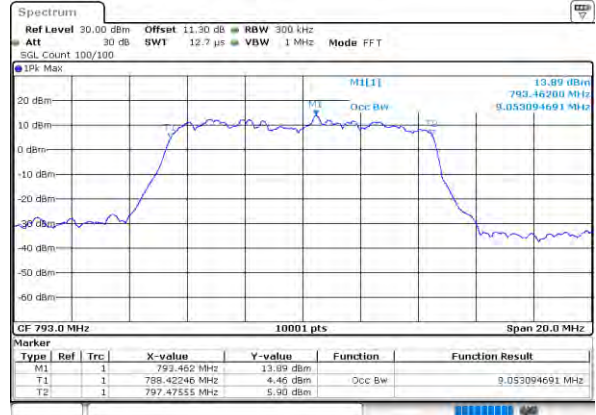


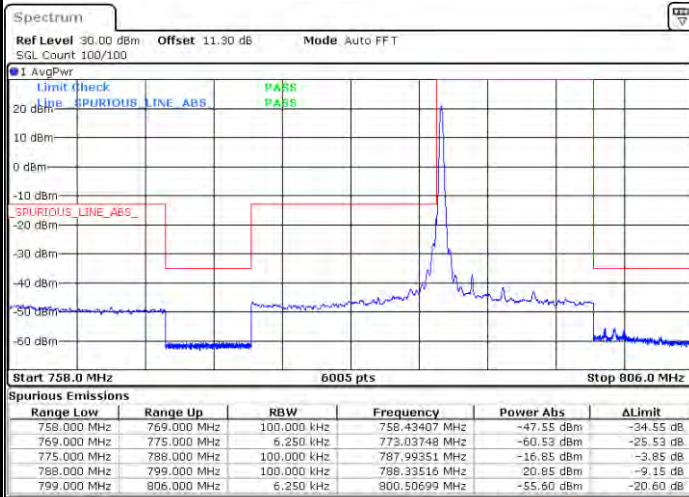
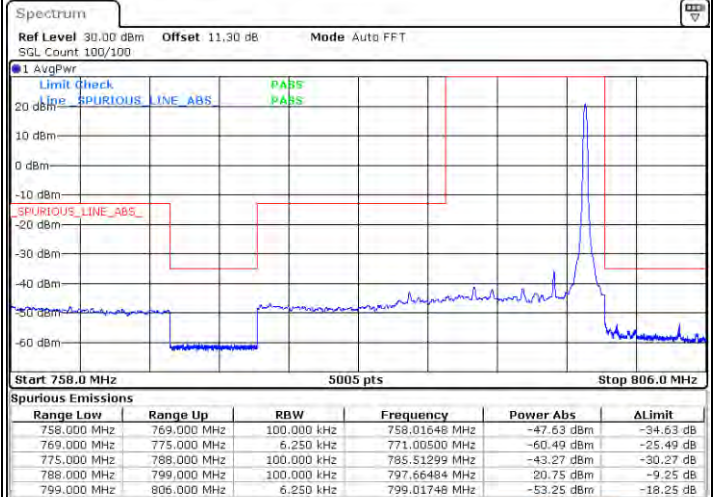
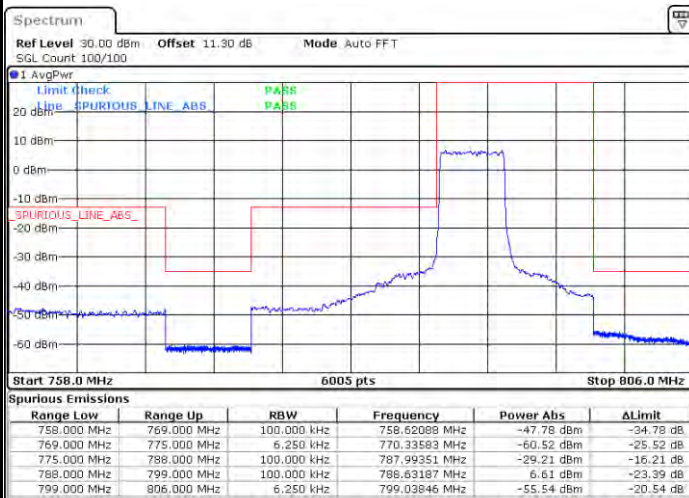
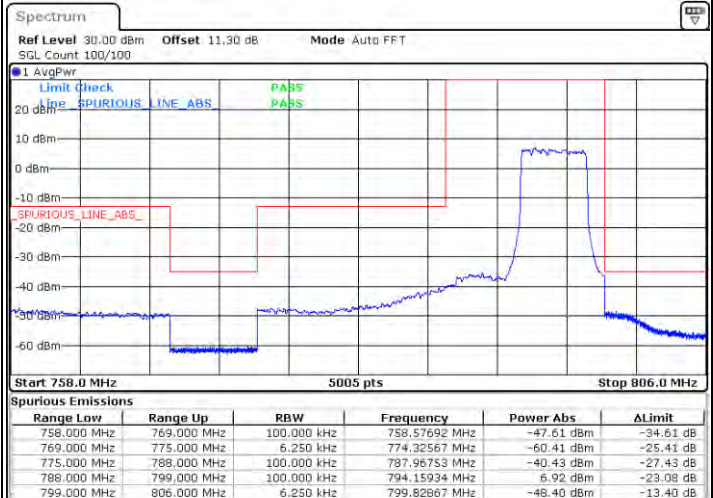
LTE Band 14

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM

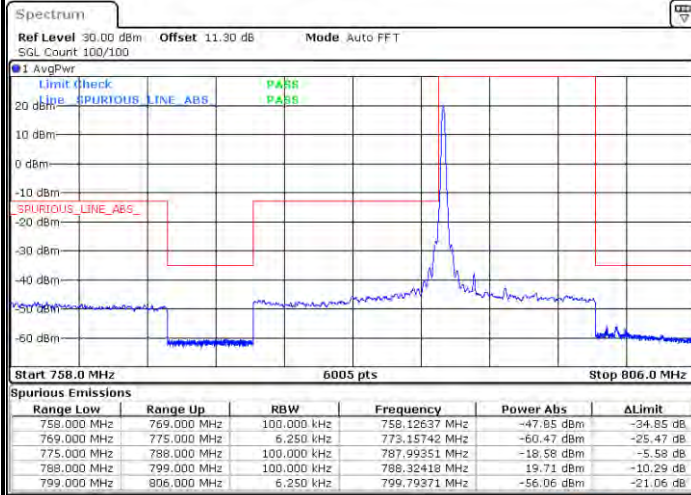


**Conducted Band Edge****LTE Band 14 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



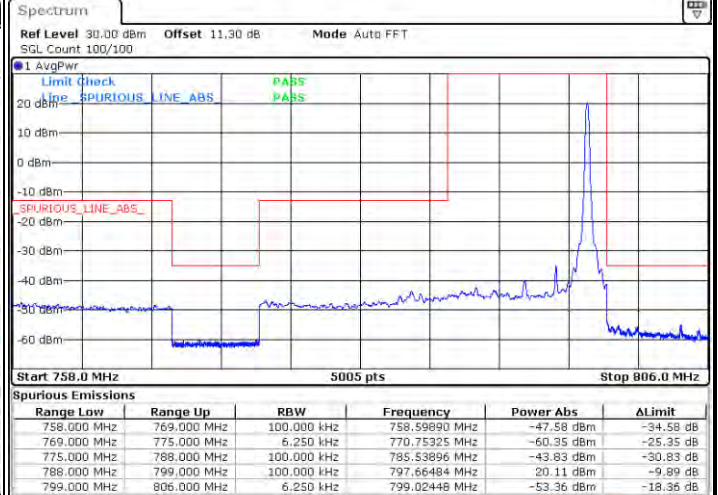
LTE Band 14 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



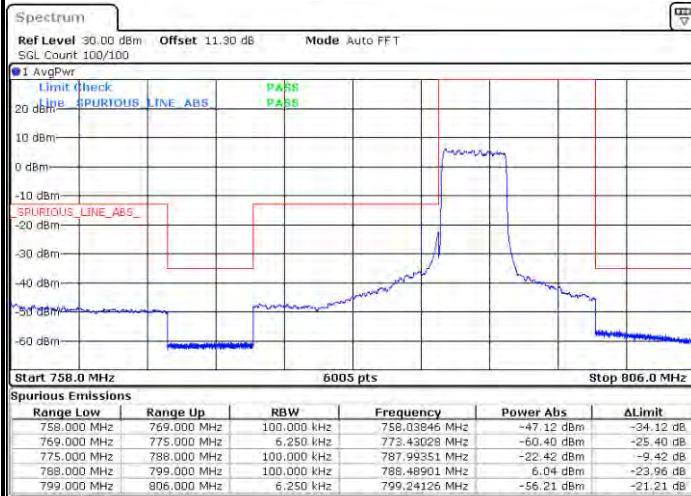
Date: 27.DEC.2024 18:03:52

Highest Band Edge / 1 RB



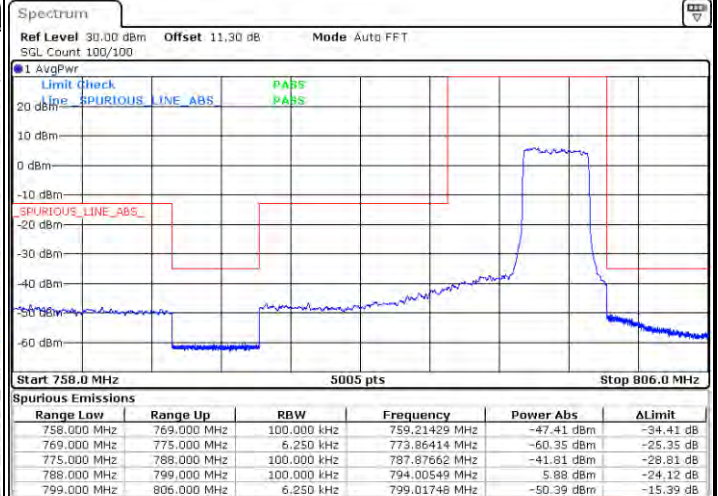
Date: 27.DEC.2024 18:19:17

Lowest Band Edge / Full RB



Date: 27.DEC.2024 17:59:56

Highest Band Edge / Full RB

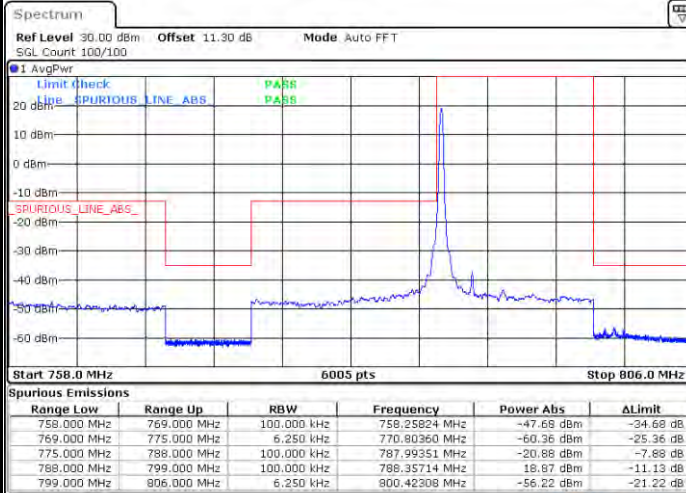


Date: 27.DEC.2024 18:11:32

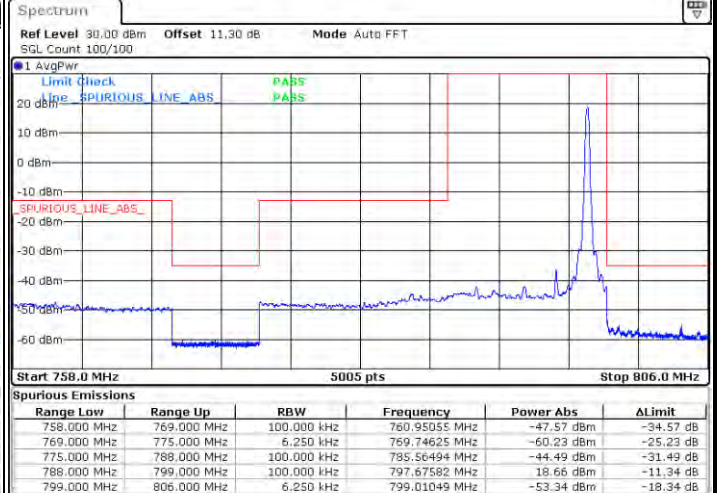


LTE Band 14 / 5MHz / 64QAM

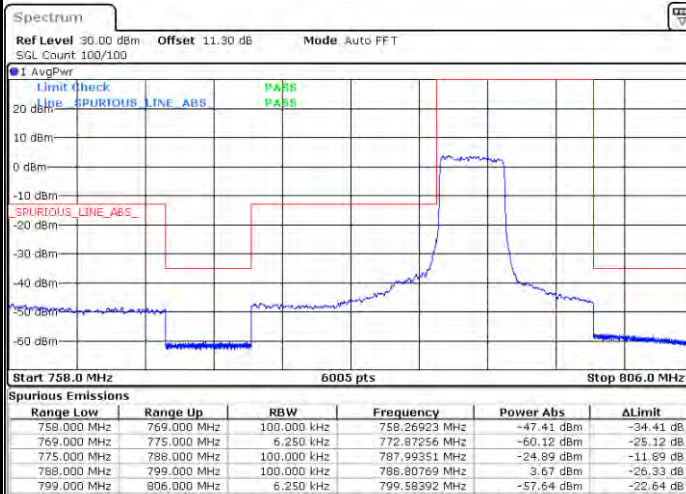
Lowest Band Edge / 1 RB



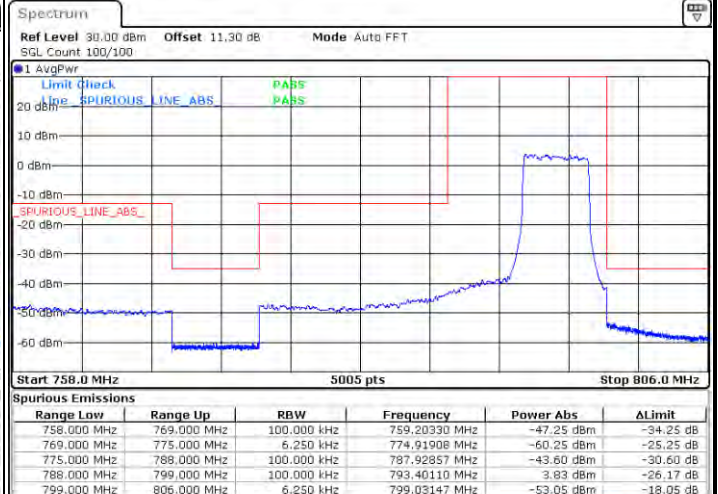
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



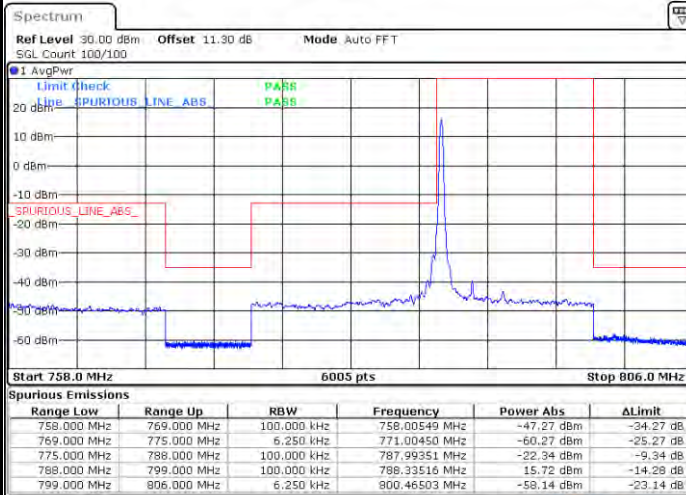
Highest Band Edge / Full RB





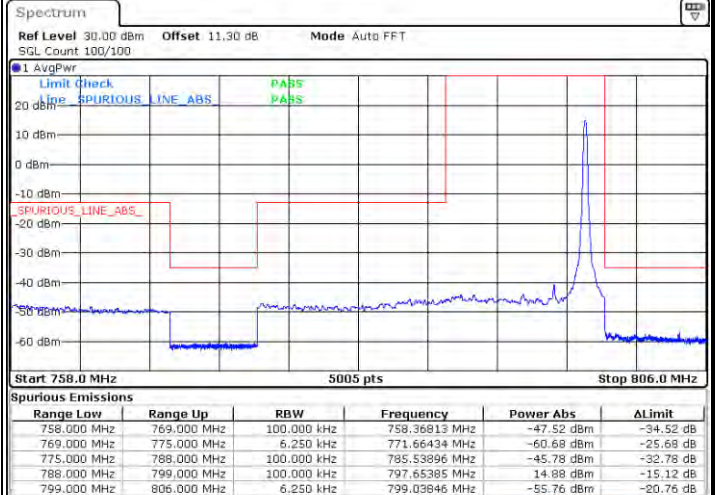
LTE Band 14 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



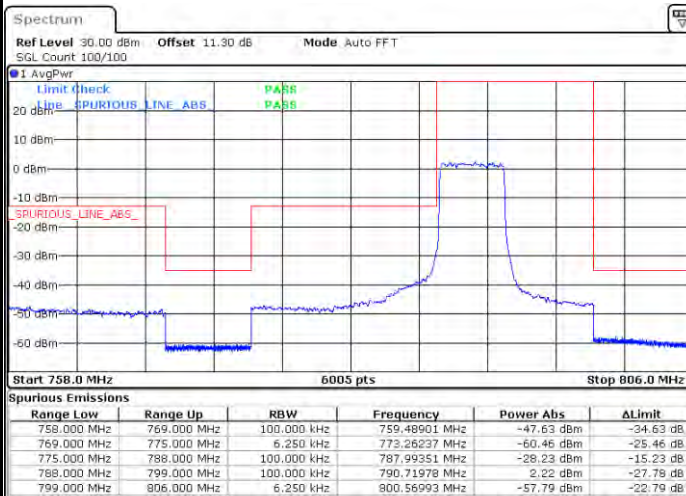
Date: 27.DEC.2024 18:07:34

Highest Band Edge / 1 RB



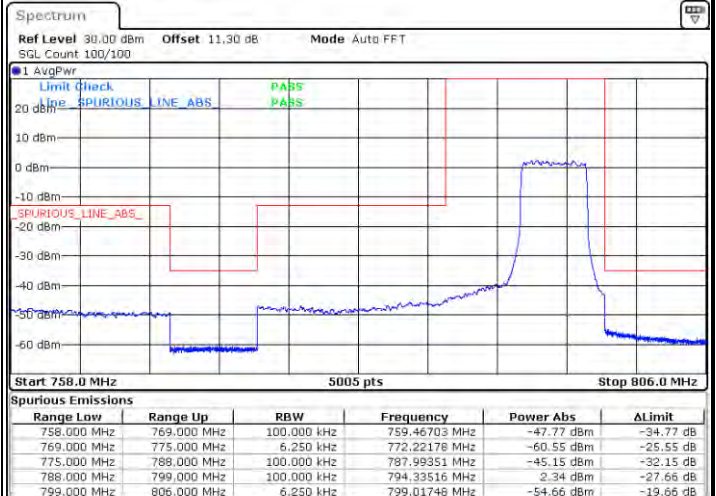
Date: 27.DEC.2024 18:23:05

Lowest Band Edge / Full RB



Date: 27.DEC.2024 17:59:58

Highest Band Edge / Full RB

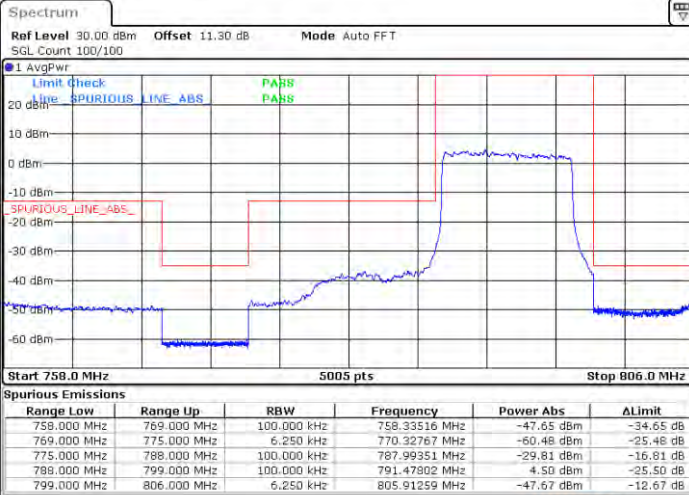


Date: 27.DEC.2024 18:15:15



LTE Band 14 / 10MHz / QPSK

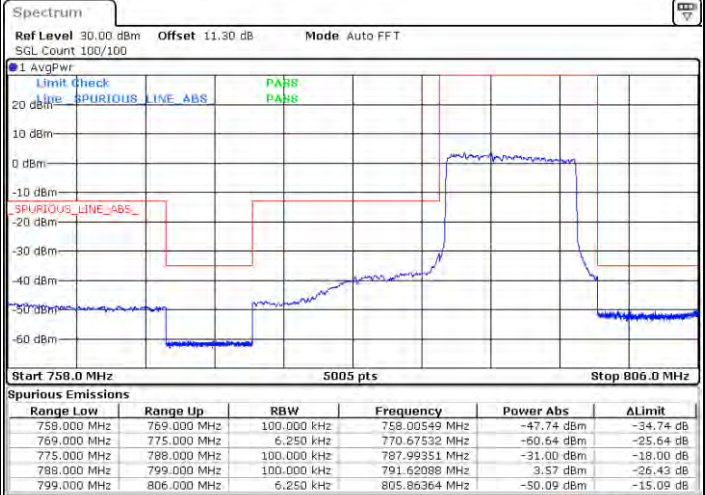
Band Edge / Full RB



Date: 27.DEC.2024 10:25:07

LTE Band 14 / 10MHz / 16QAM

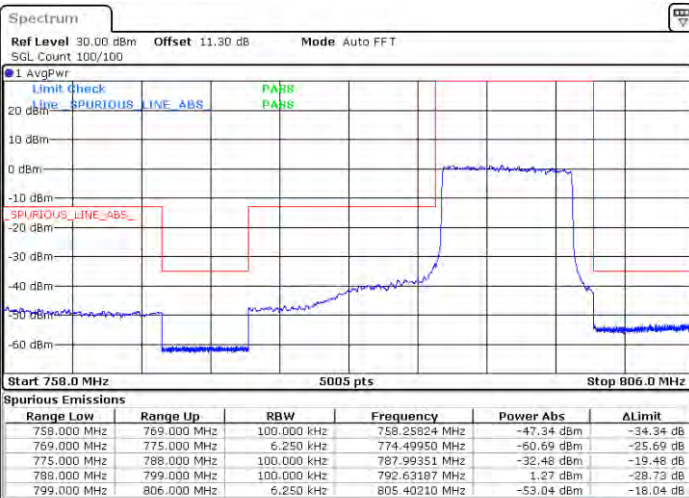
Band Edge / Full RB



Date: 27.DEC.2024 10:26:39

LTE Band 14 / 10MHz / 64QAM

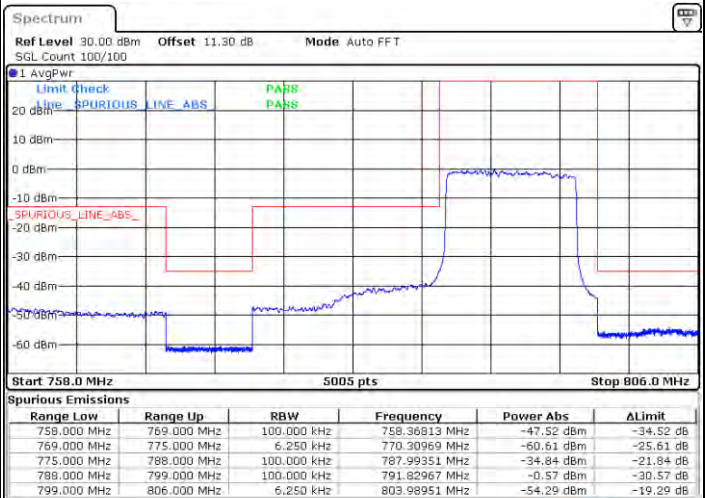
Band Edge / Full RB



Date: 27.DEC.2024 10:28:02

LTE Band 14 / 10MHz / 256QAM

Band Edge / Full RB



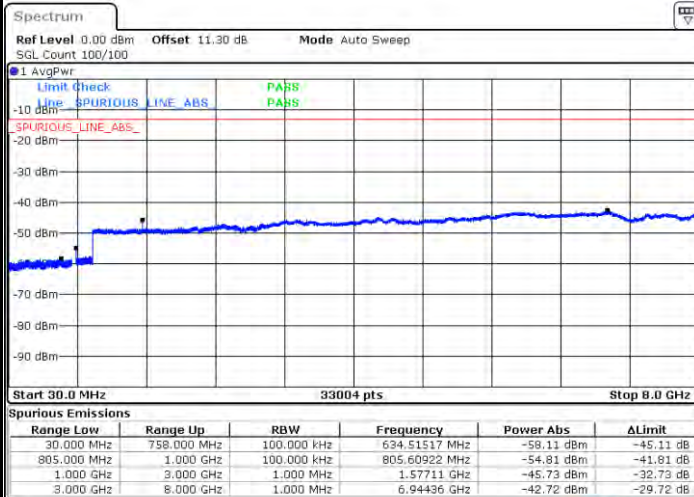
Date: 27.DEC.2024 10:30:49



Conducted Spurious Emission

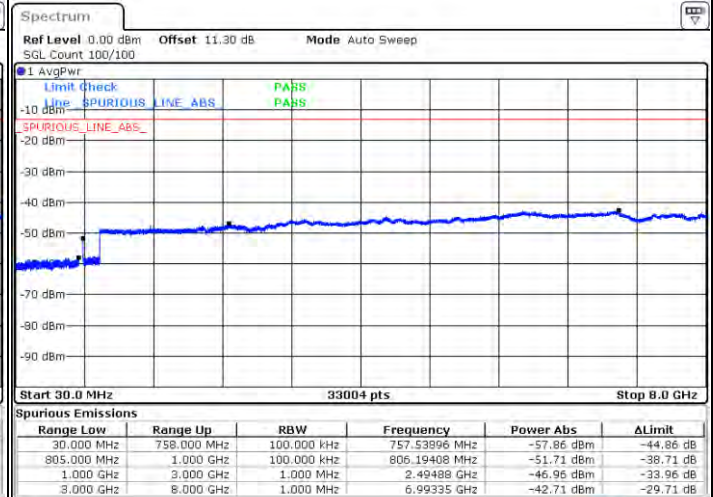
LTE Band 14 / 5MHz

Lowest Channel / QPSK



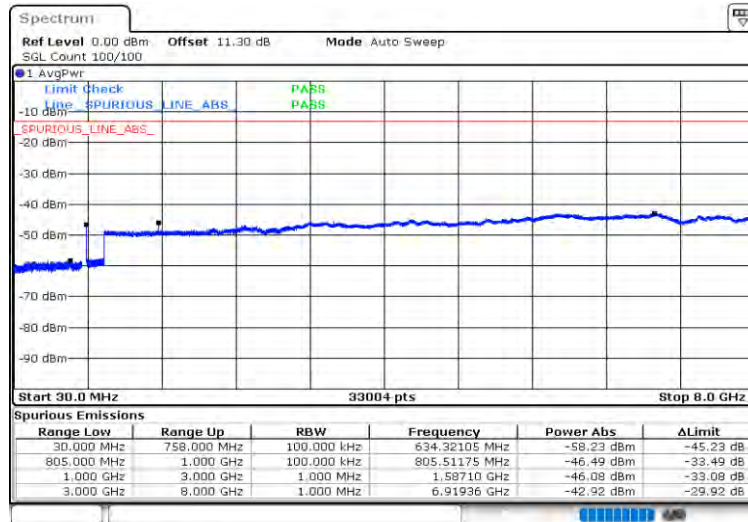
Date: 27.DEC.2024 20:32:29

Middle Channel / QPSK



Date: 27.DEC.2024 20:34:30

Highest Channel / QPSK

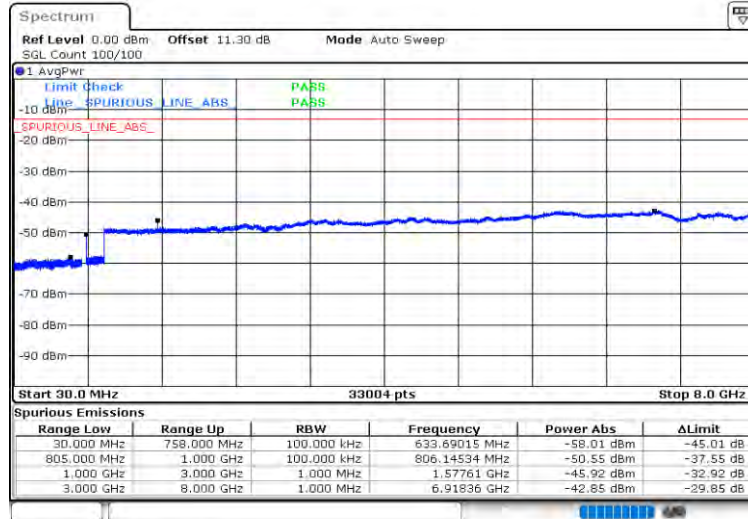


Date: 27.DEC.2024 20:36:25

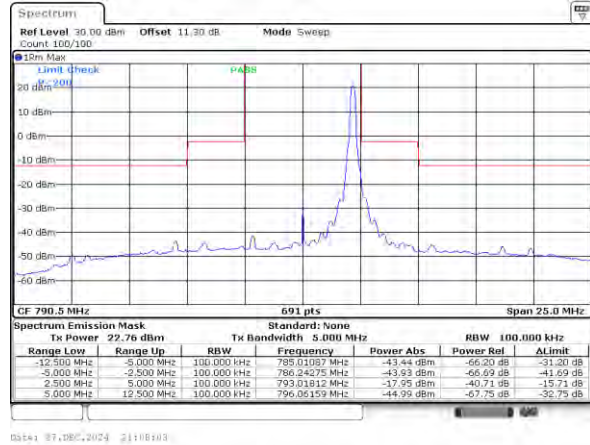
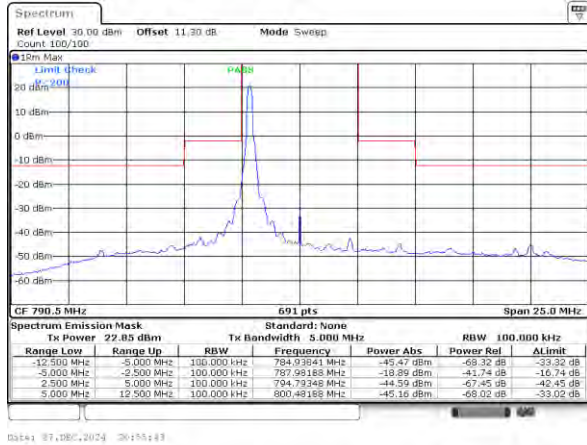
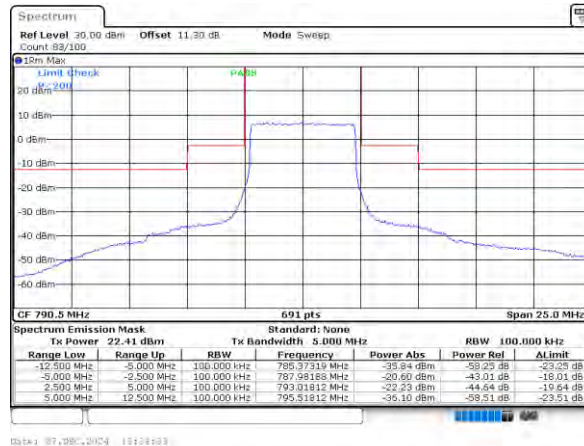


LTE Band 14 / 10MHz

Middle Channel / QPSK



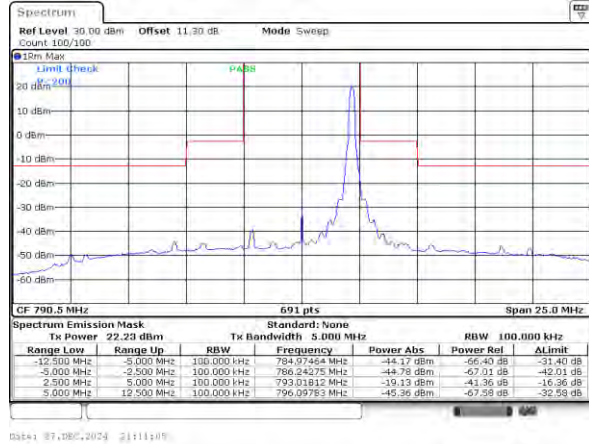
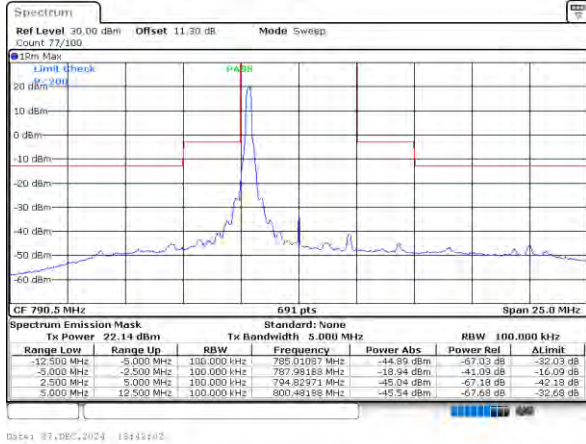
Date: 27.DEC.2024 20:38:21

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

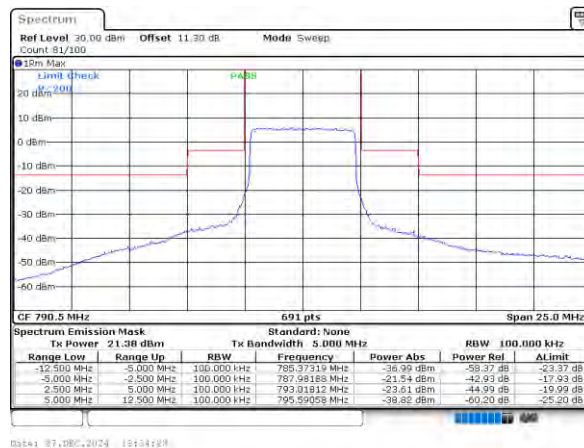


LTE Band 14 / 5MHz / 16QAM

Lowest Channel / 1RB

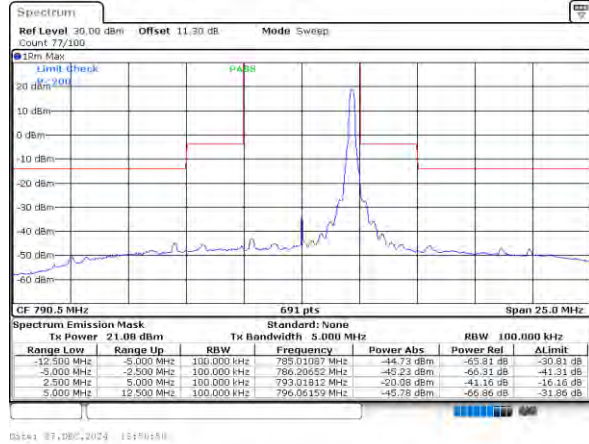
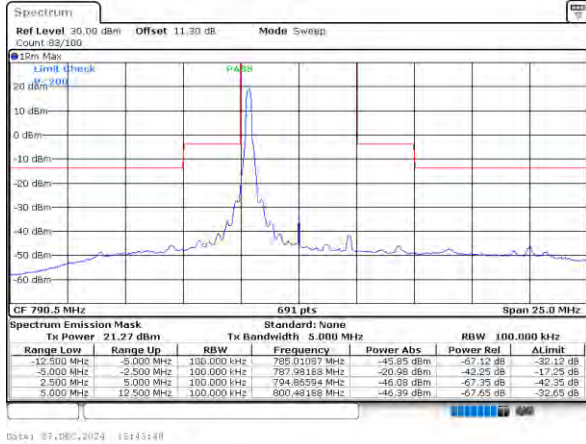


Lowest Channel / Full RB

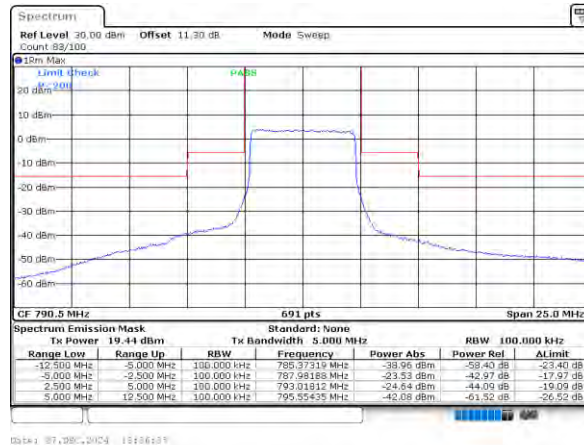


LTE Band 14 / 5MHz / 64QAM

Lowest Channel / 1RB



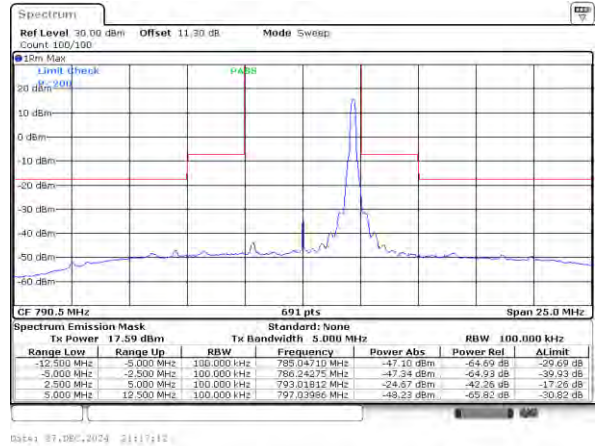
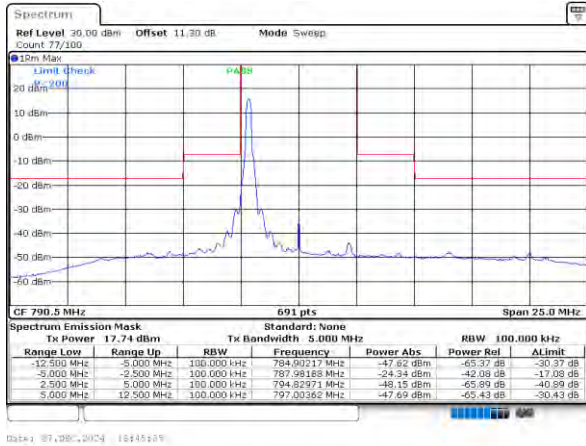
Lowest Channel / Full RB



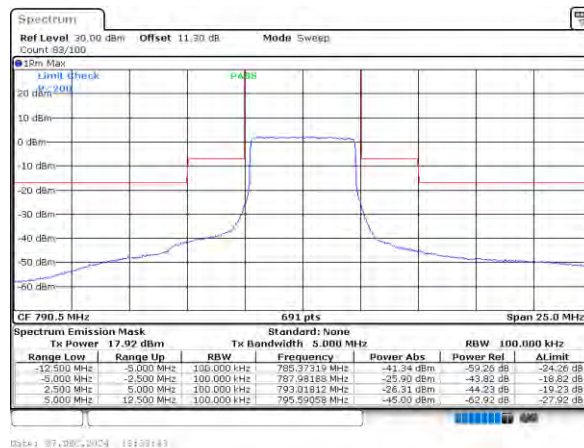


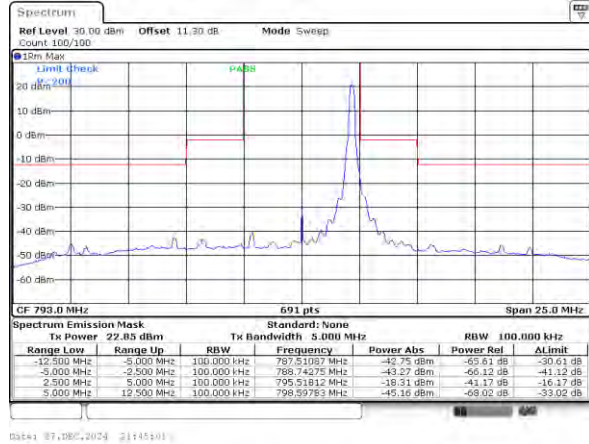
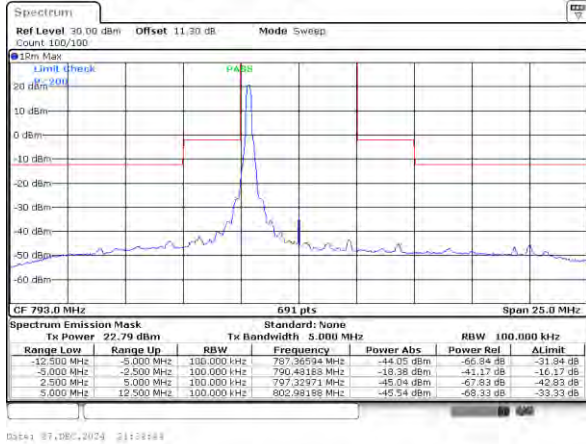
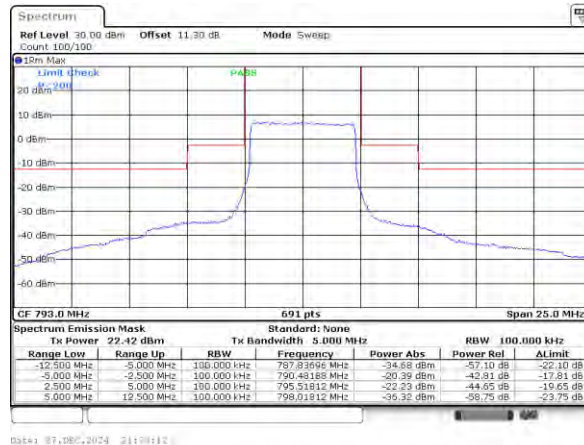
LTE Band 14 / 5MHz / 256QAM

Lowest Channel / 1RB



Lowest Channel / Full RB

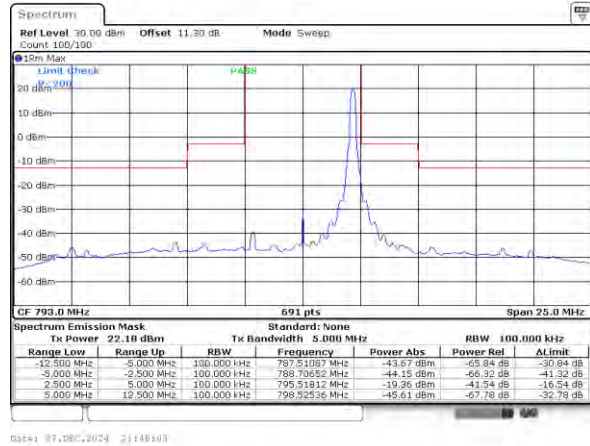
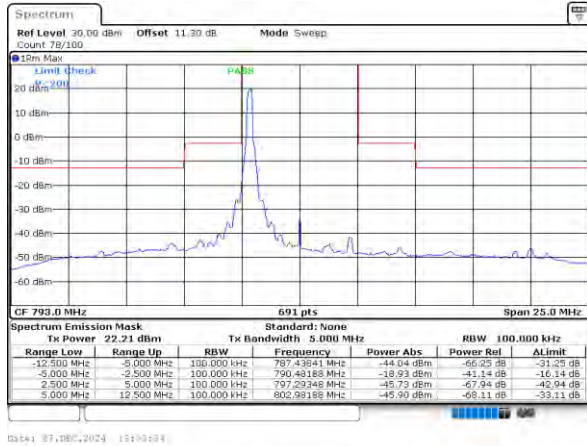


LTE Band 14 / 5MHz / QPSK
Middle Channel / 1RB

Middle Channel / Full RB


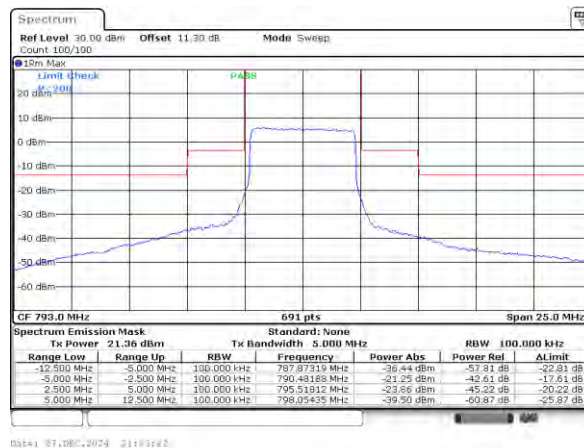


LTE Band 14 / 5MHz / 16QAM

Middle Channel / 1RB

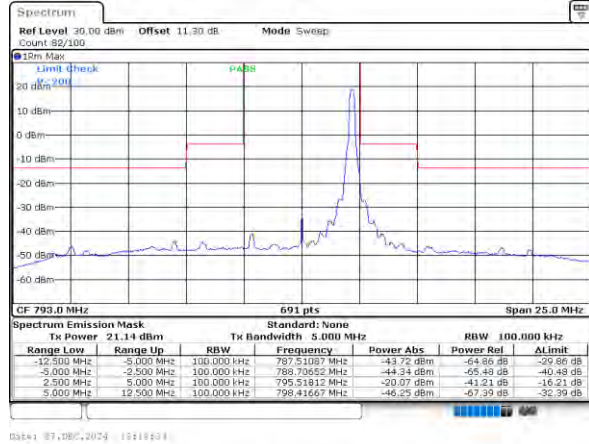
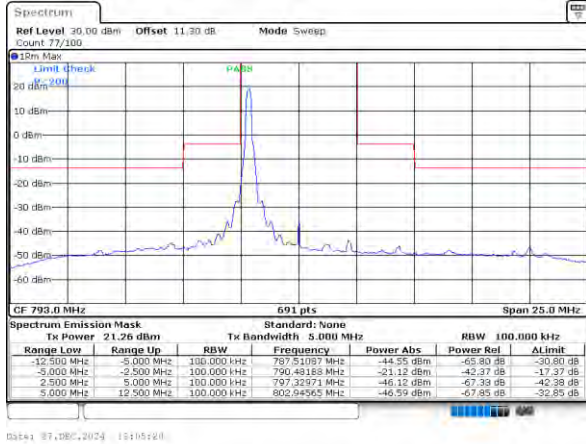


Middle Channel / Full RB

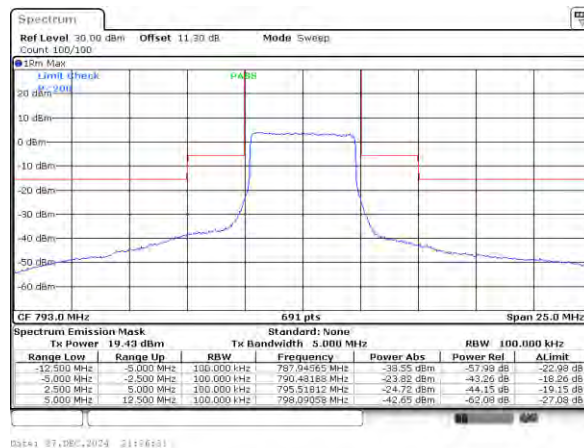


LTE Band 14 / 5MHz / 64QAM

Middle Channel / 1RB



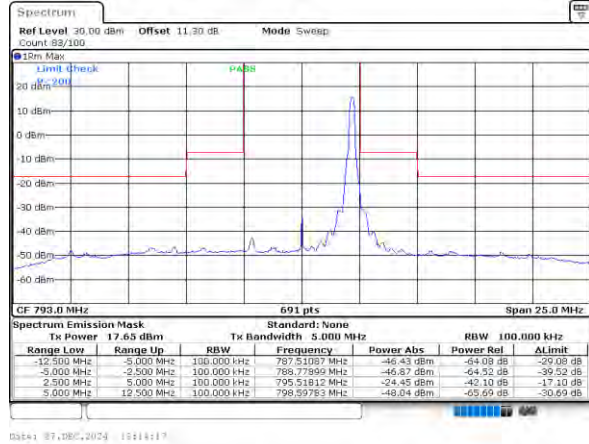
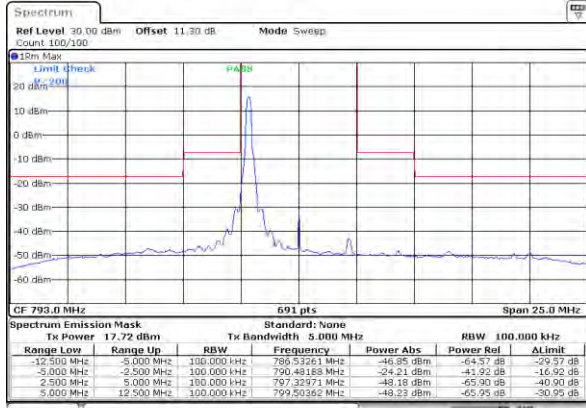
Middle Channel / Full RB



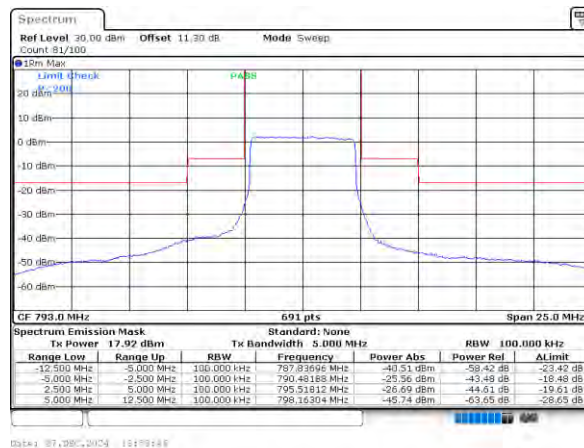


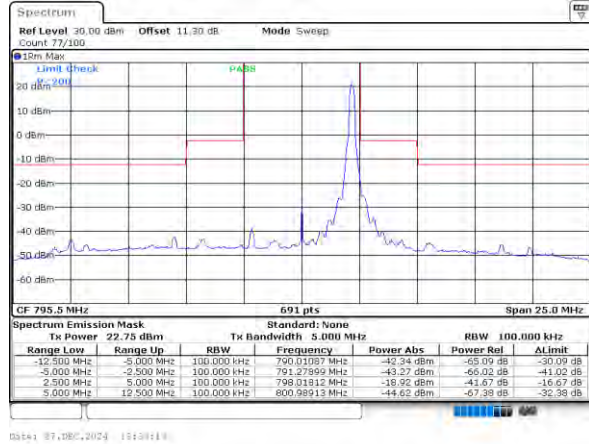
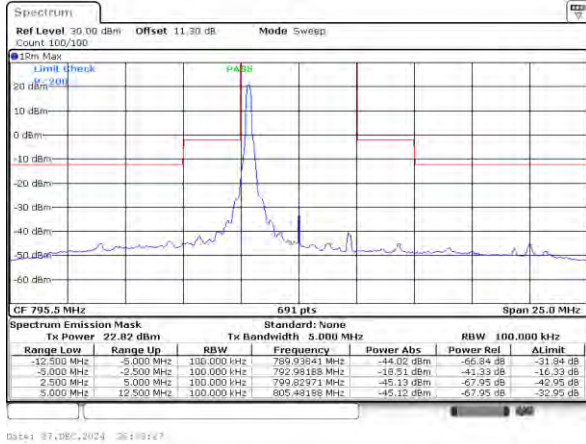
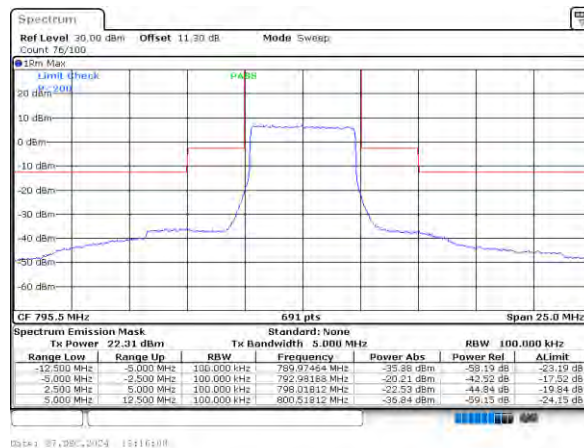
LTE Band 14 / 5MHz / 256QAM

Middle Channel / 1RB



Middle Channel / Full RB

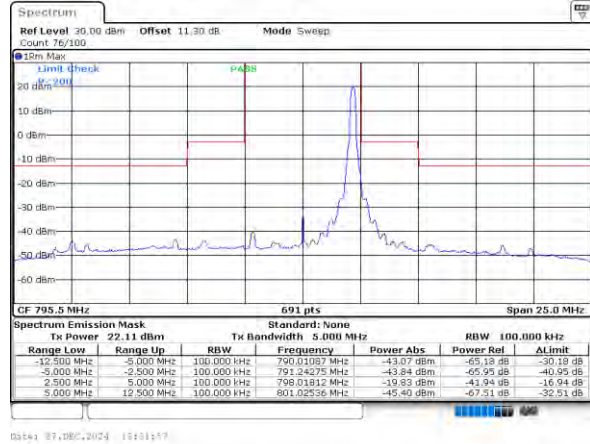
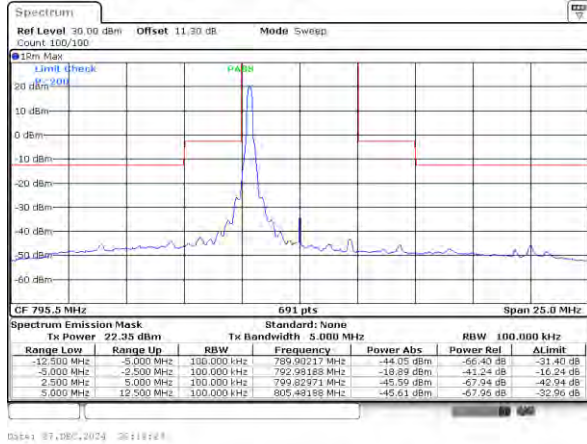


LTE Band 14 / 5MHz / QPSK
Highest Channel / 1RB

Highest Channel / Full RB


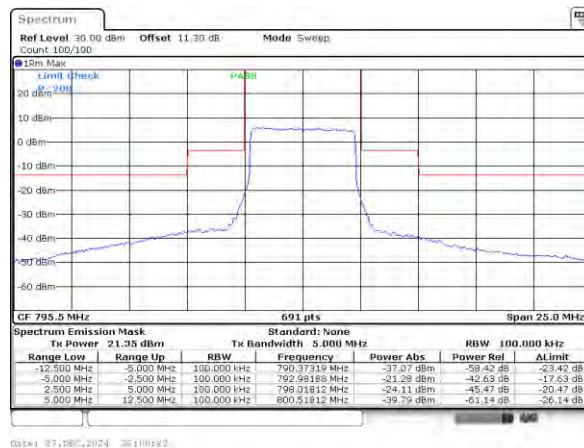


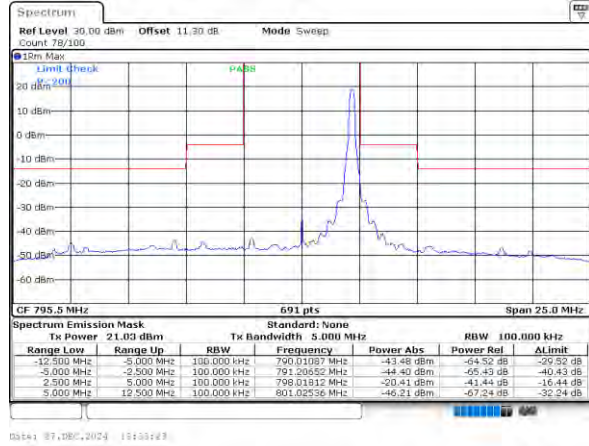
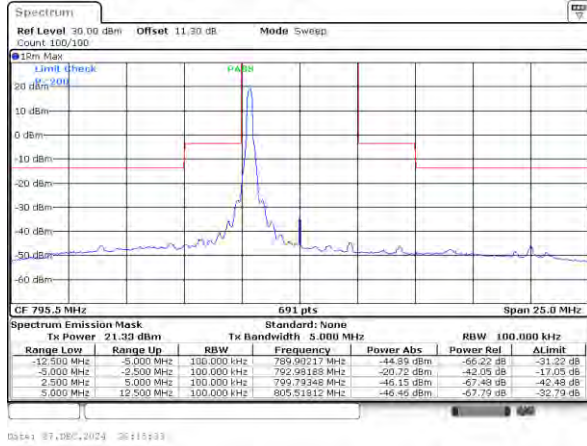
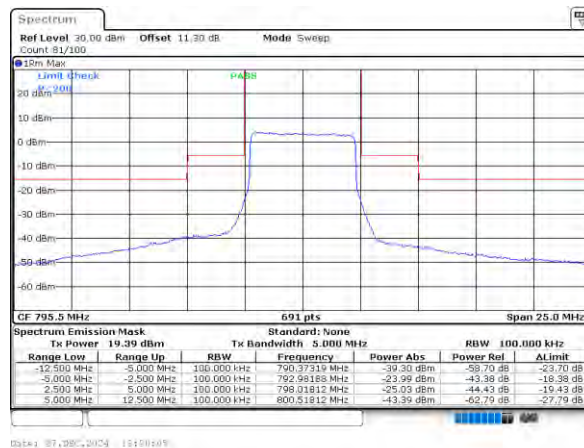
LTE Band 14 / 5MHz / 16QAM

Highest Channel / 1RB



Highest Channel / Full RB

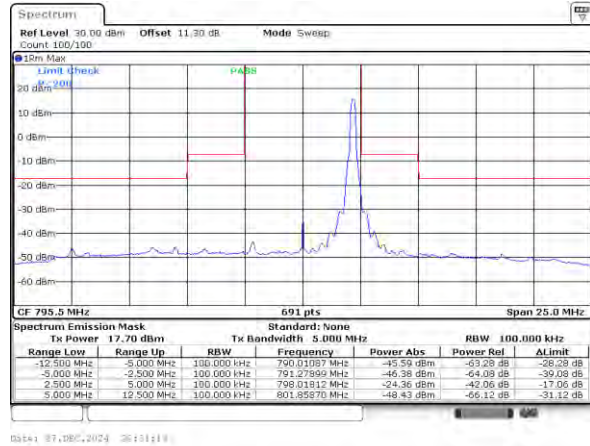
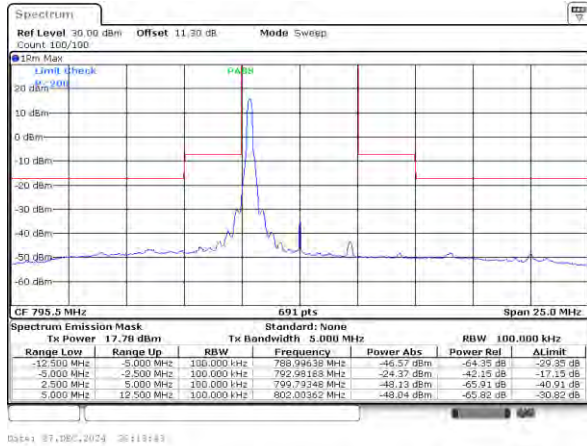


LTE Band 14 / 5MHz / 64QAM
Highest Channel / 1RB

Highest Channel / Full RB


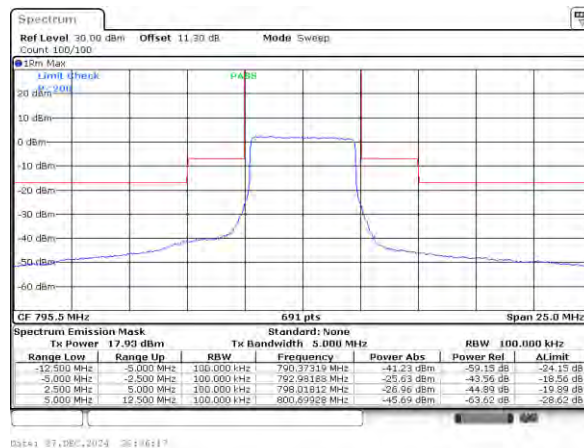


LTE Band 14 / 5MHz / 256QAM

Highest Channel / 1RB



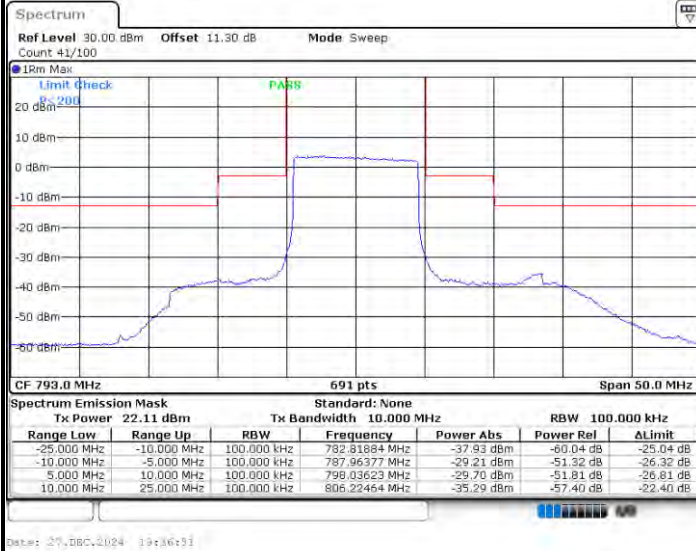
Highest Channel / Full RB





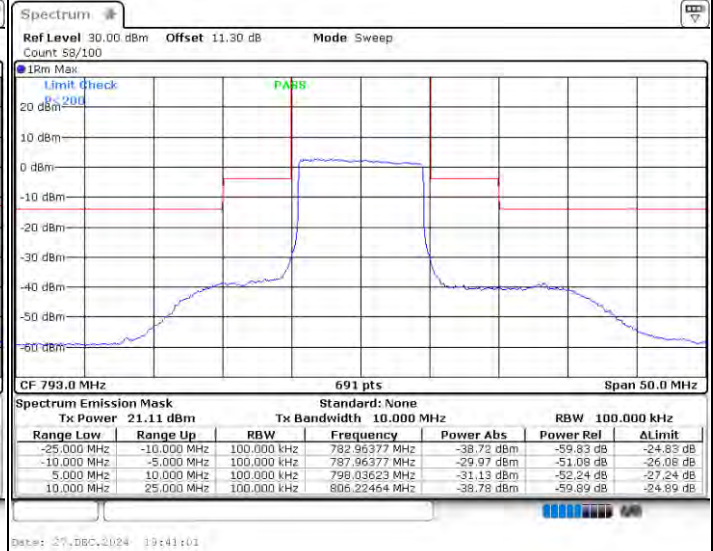
LTE Band 14 / 10MHz / QPSK

Middle Channel / Full RB



LTE Band 14 / 10MHz / 16QAM

Middle Channel / Full RB



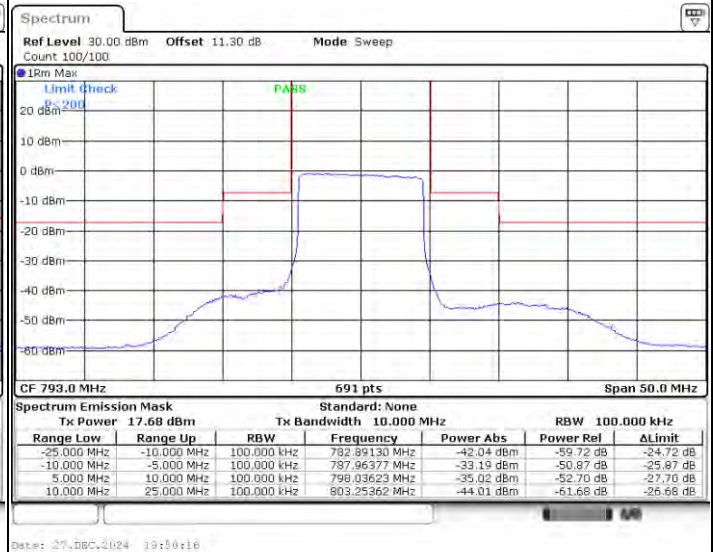
LTE Band 14 / 10MHz / 64QAM

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	0.0011	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0052	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0052	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0045	
-20	Normal Voltage	0.0071	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0069	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0009	

Note:

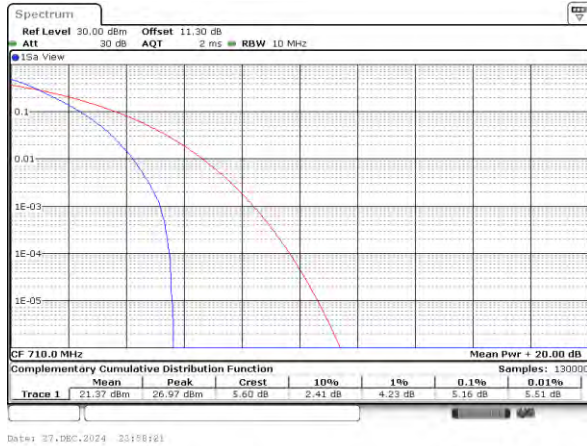
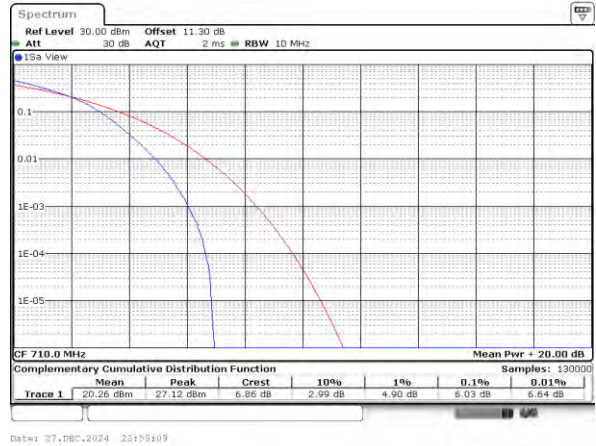
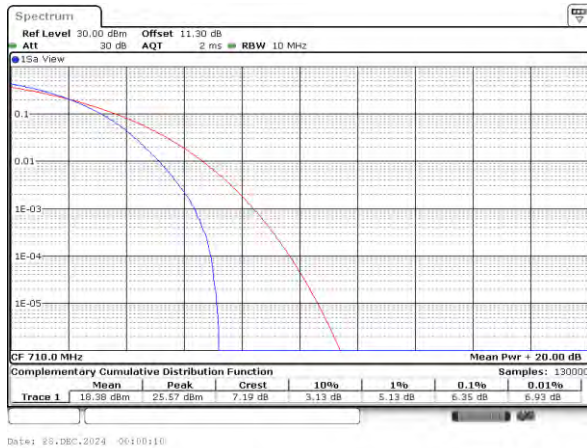
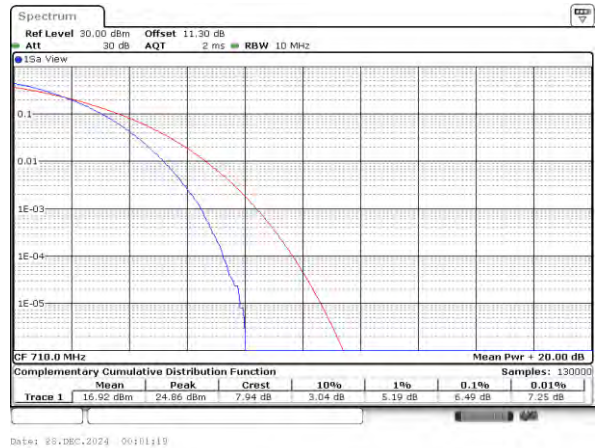
1. Normal Voltage = 3.89 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



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	5.16	6.03	6.35	6.49	PASS

LTE Band 17 / 10MHz / QPSK
Middle Channel / Full RB

LTE Band 17 / 10MHz / 16QAM
Middle Channel / Full RB

LTE Band 17 / 10MHz / 64QAM
Middle Channel / Full RB

LTE Band 17 / 10MHz / 256QAM
Middle Channel / Full RB


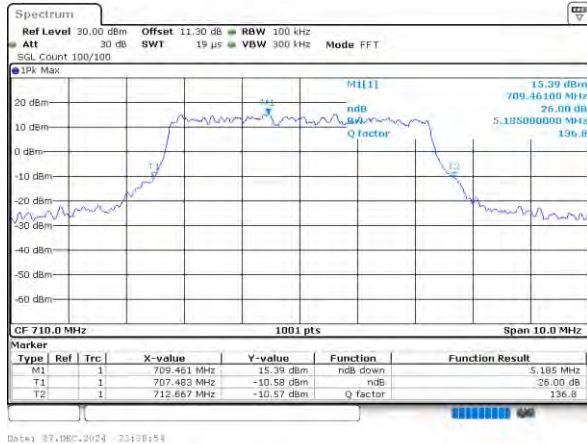
**26dB Bandwidth**

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	-	-	-	-	5.18	5.12	10.49	9.91	-	-	-	-
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	-	-	-	-	5.37	5.32	10.25	10.05	-	-	-	-

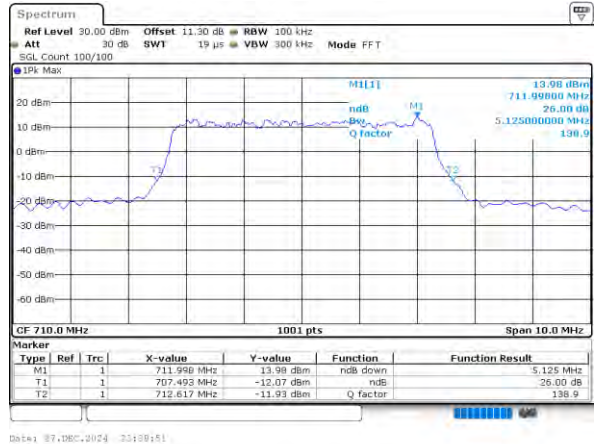


LTE Band 17

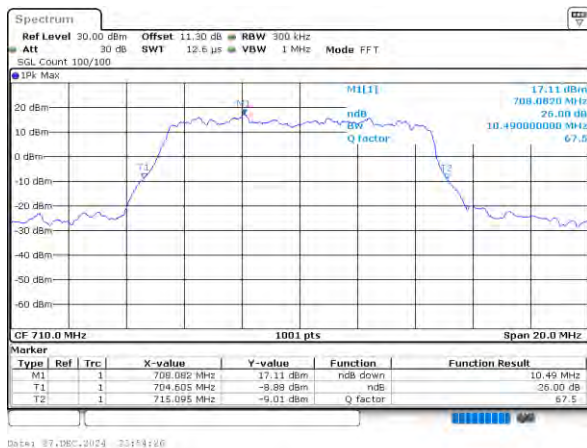
Middle Channel / 5MHz / QPSK



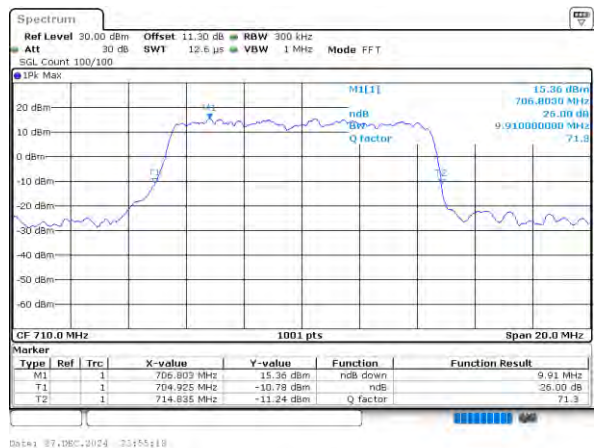
Middle Channel / 5MHz / 16QAM



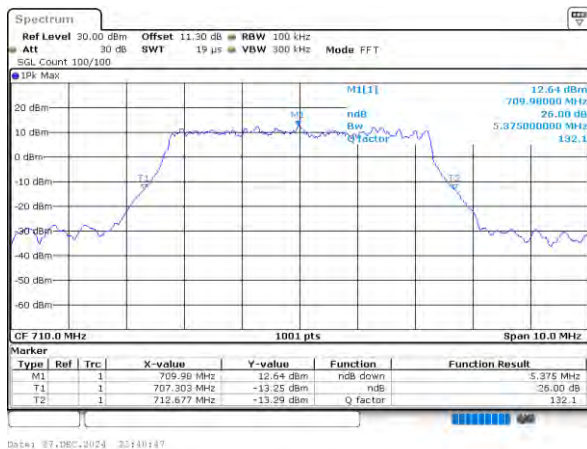
Middle Channel / 10MHz / QPSK



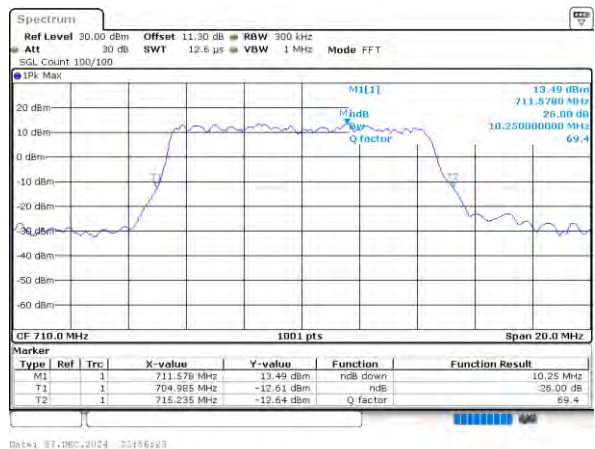
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



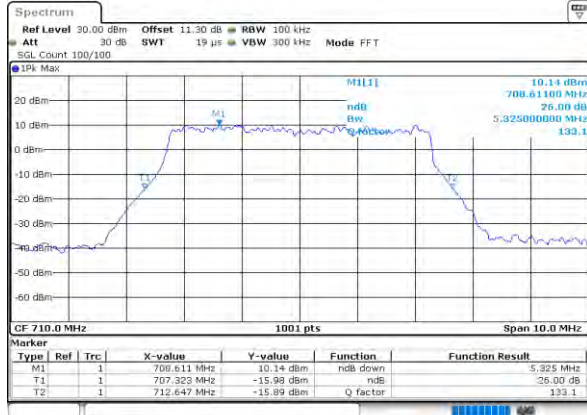
Middle Channel / 10MHz / 64QAM



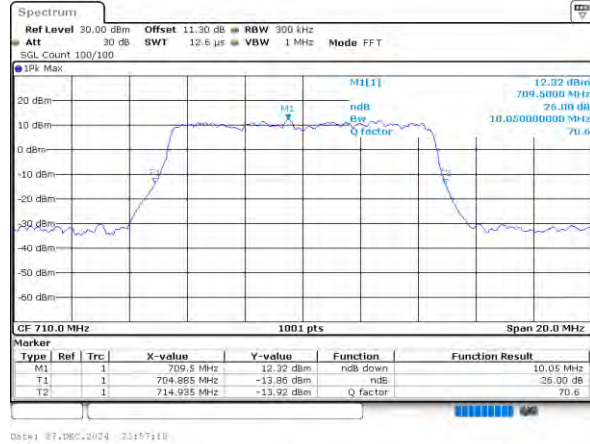


LTE Band 17

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



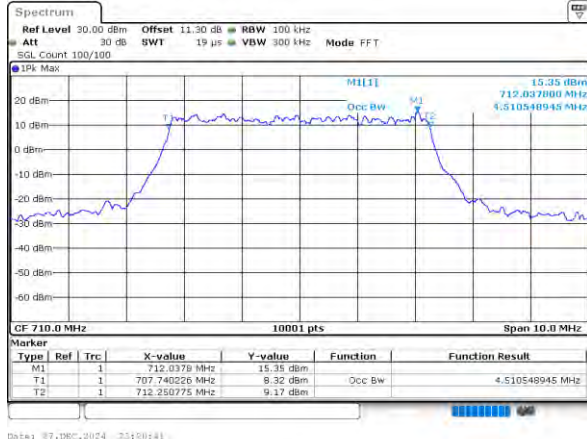
**Occupied Bandwidth**

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	-	-	-	-	4.51	4.48	9.02	8.98	-	-	-	-
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	-	-	-	-	4.52	4.49	9.00	9.01	-	-	-	-

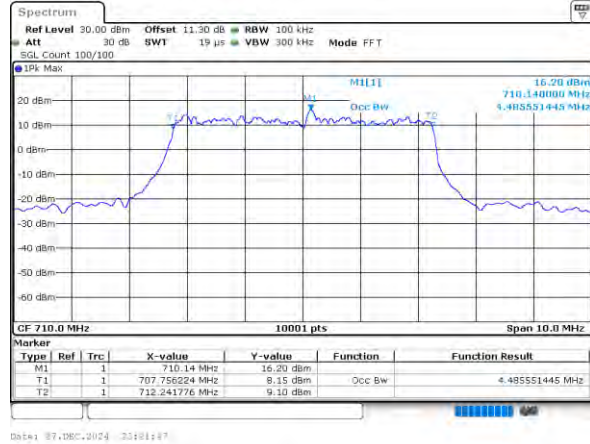


LTE Band 17

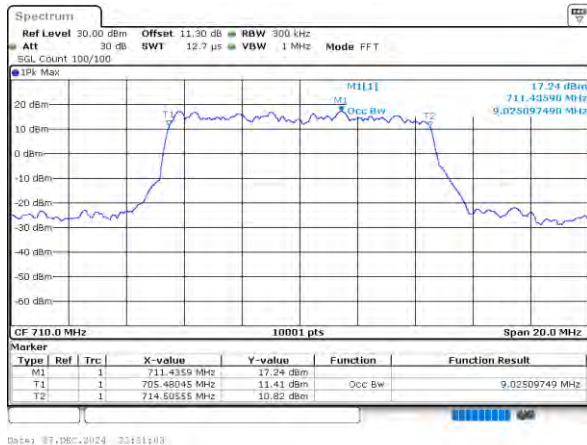
Middle Channel / 5MHz / QPSK



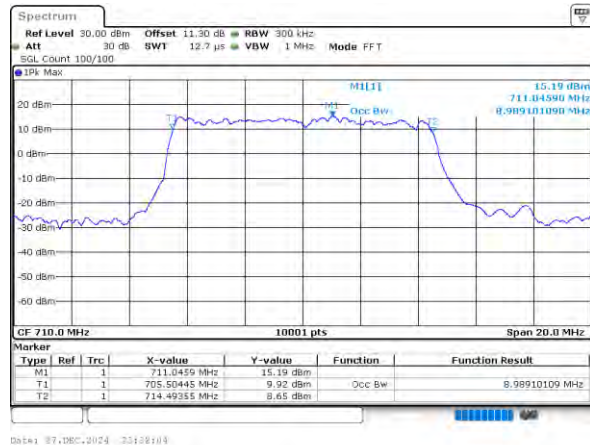
Middle Channel / 5MHz / 16QAM



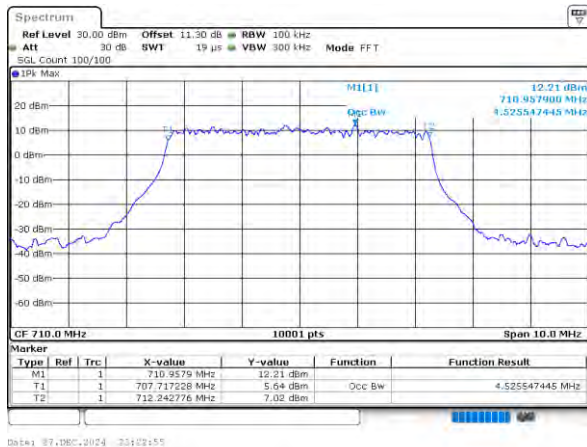
Middle Channel / 10MHz / QPSK



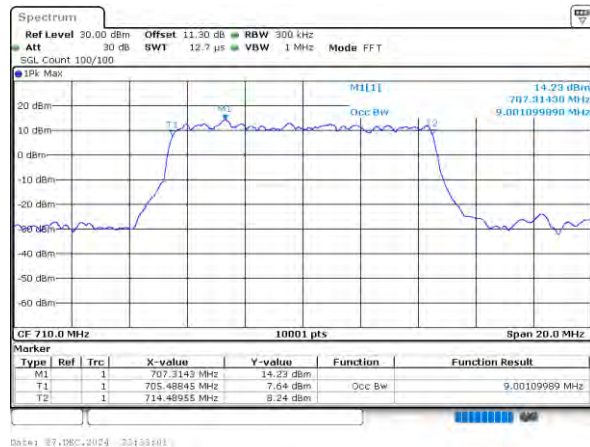
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



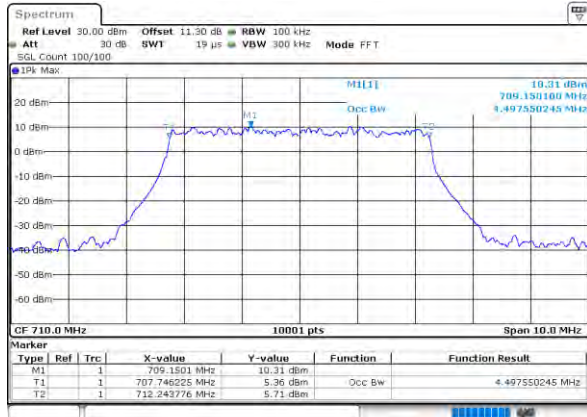
Middle Channel / 10MHz / 64QAM



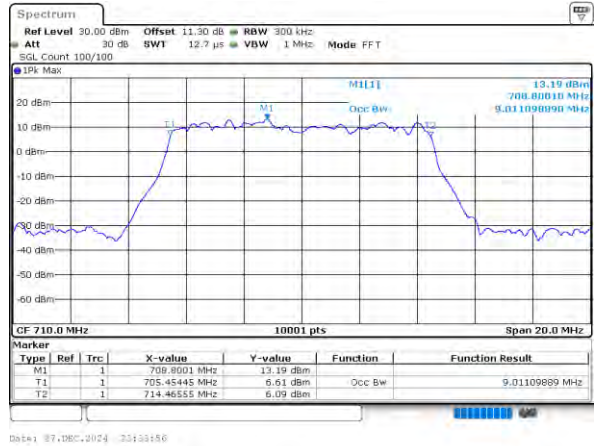


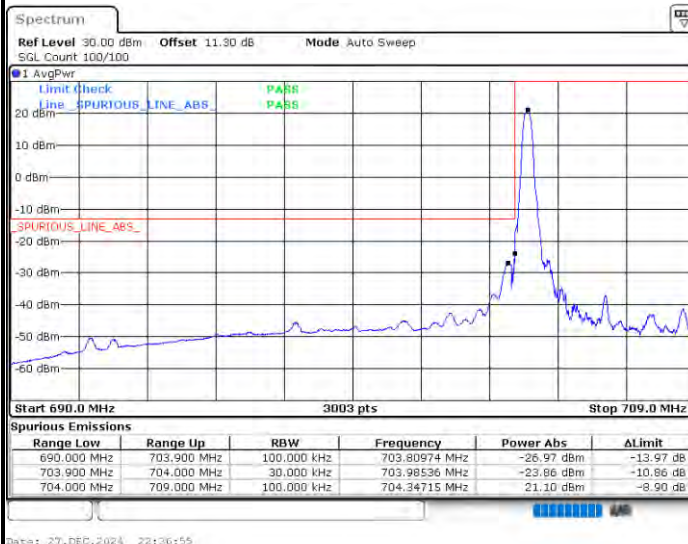
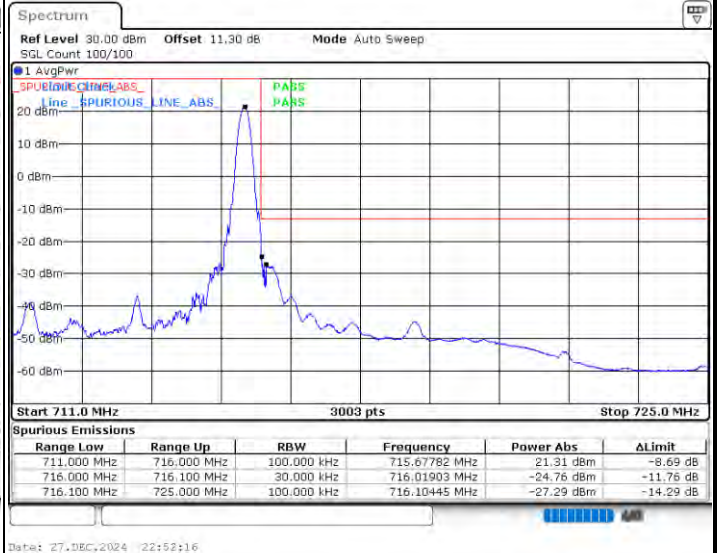
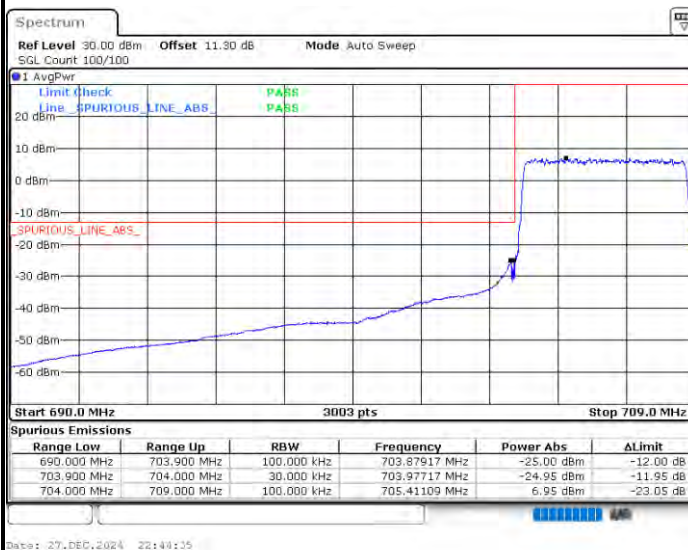
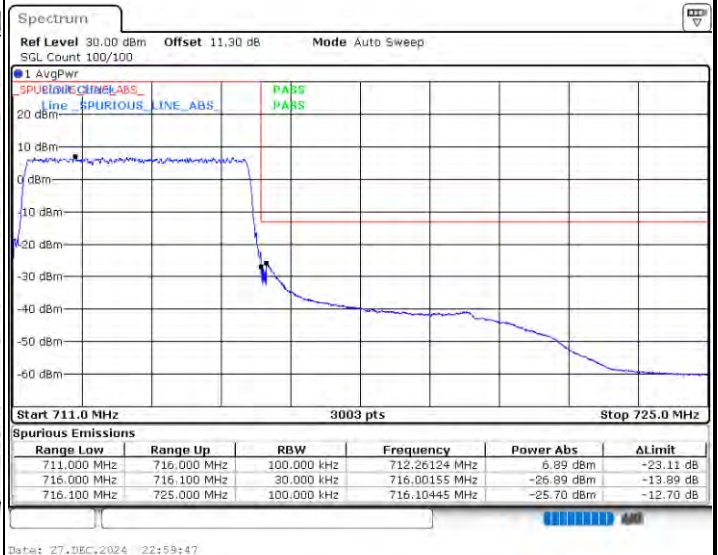
LTE Band 17

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM

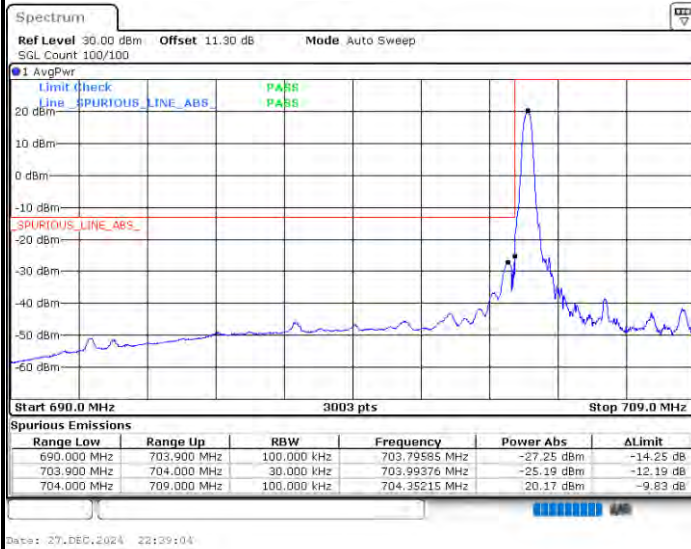


**Conducted Band Edge****LTE Band 17 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

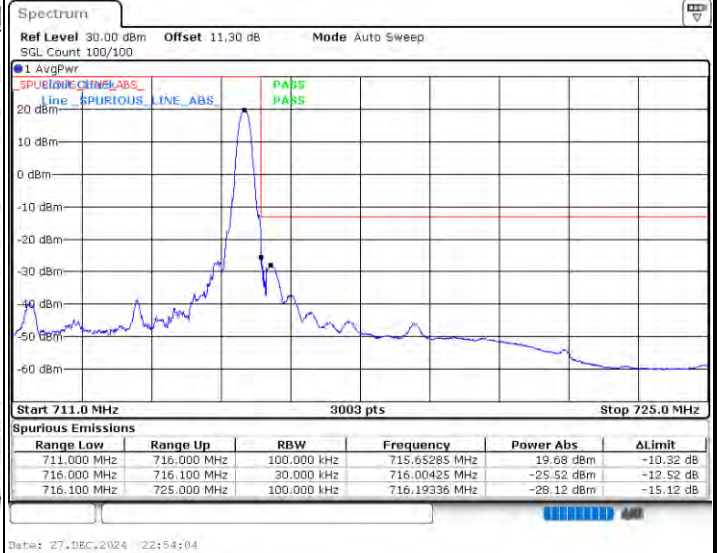


LTE Band 17 / 5MHz / 16QAM

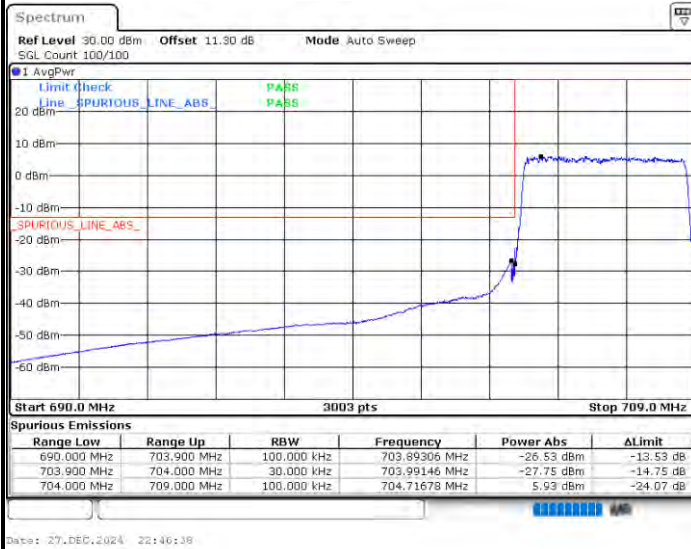
Lowest Band Edge / 1 RB



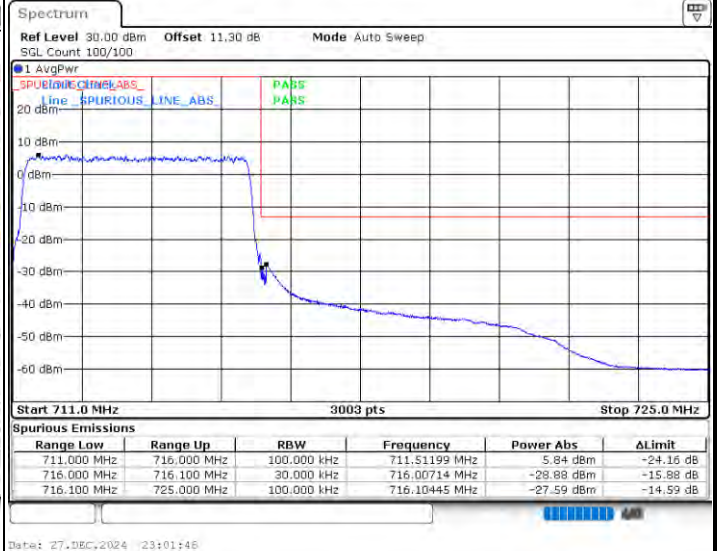
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



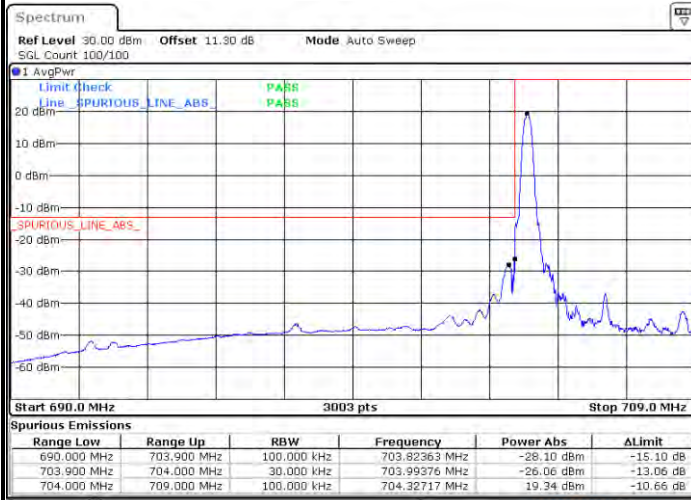
Highest Band Edge / Full RB





LTE Band 17 / 5MHz / 64QAM

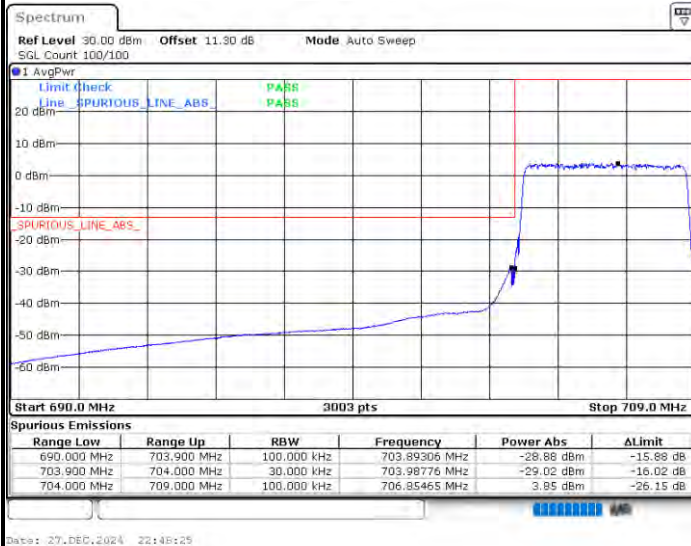
Lowest Band Edge / 1 RB



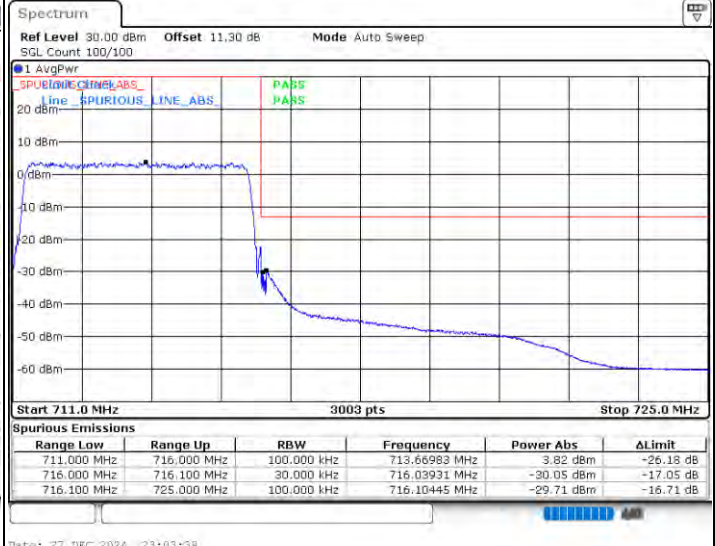
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



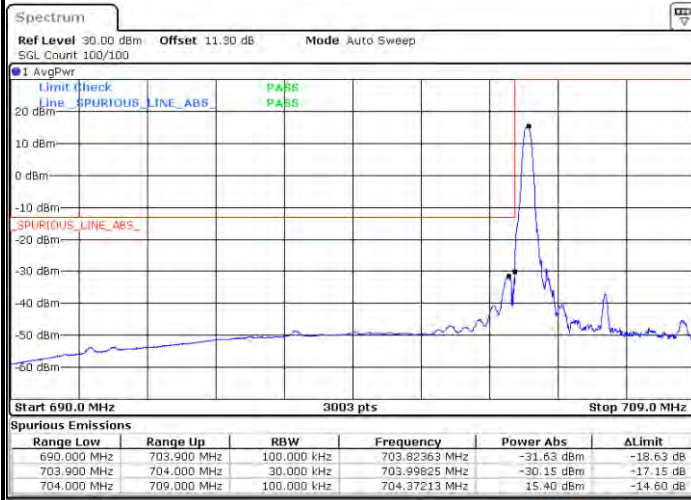
Highest Band Edge / Full RB





LTE Band 17 / 5MHz / 256QAM

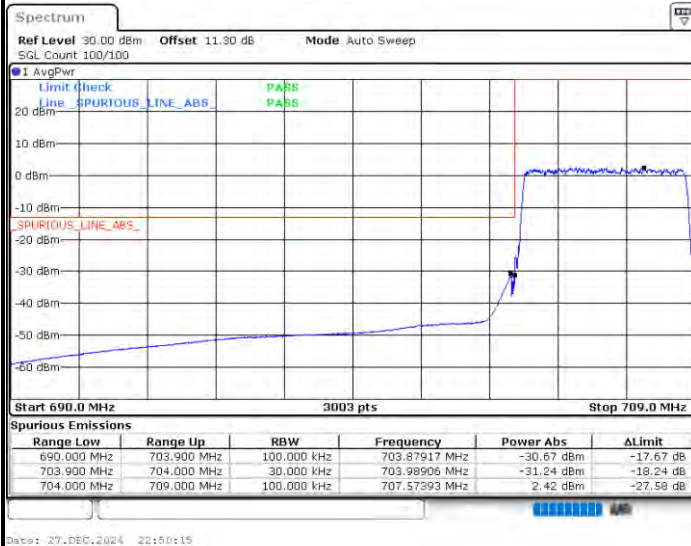
Lowest Band Edge / 1 RB



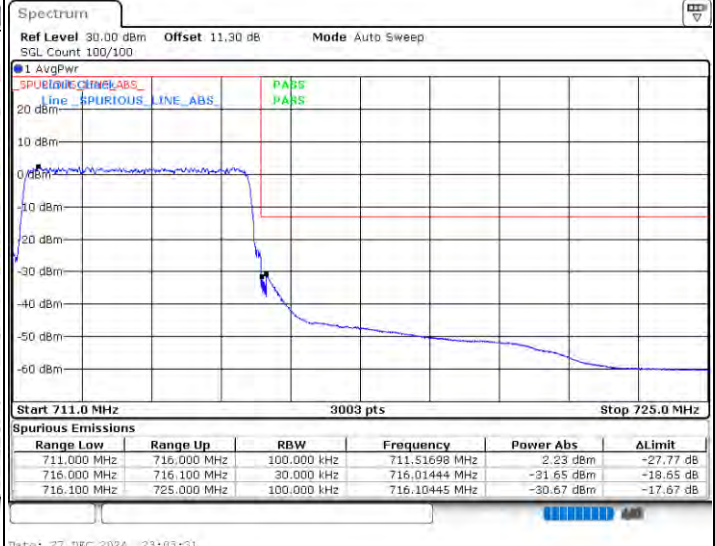
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



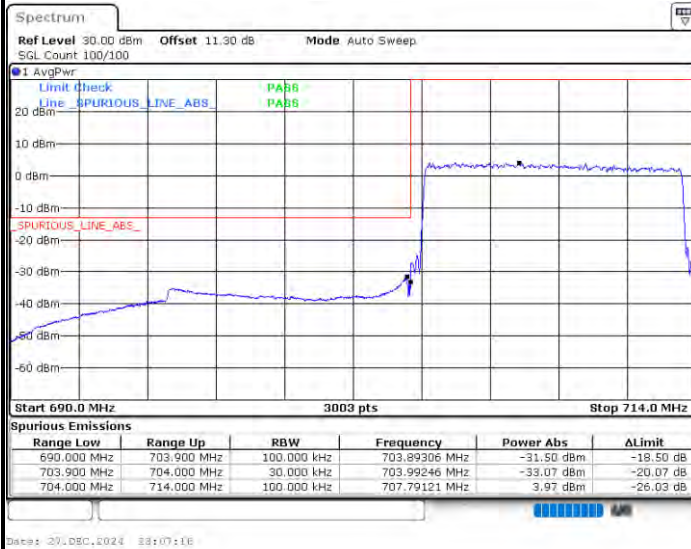
Highest Band Edge / Full RB



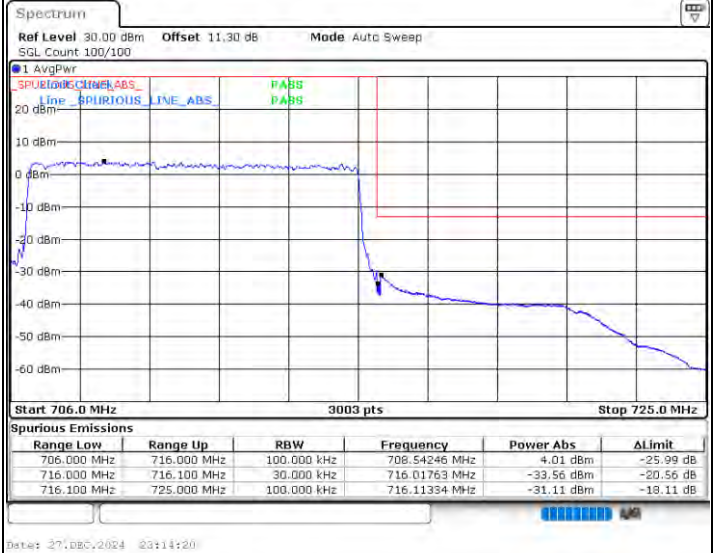


LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / Full RB

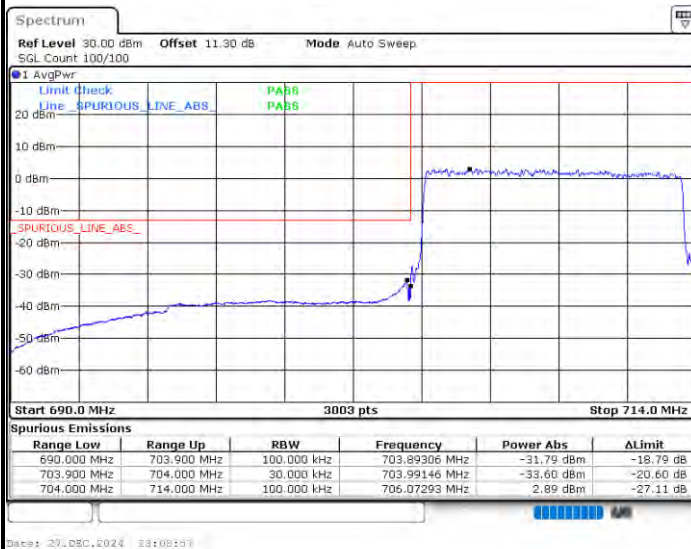


Highest Band Edge / Full RB

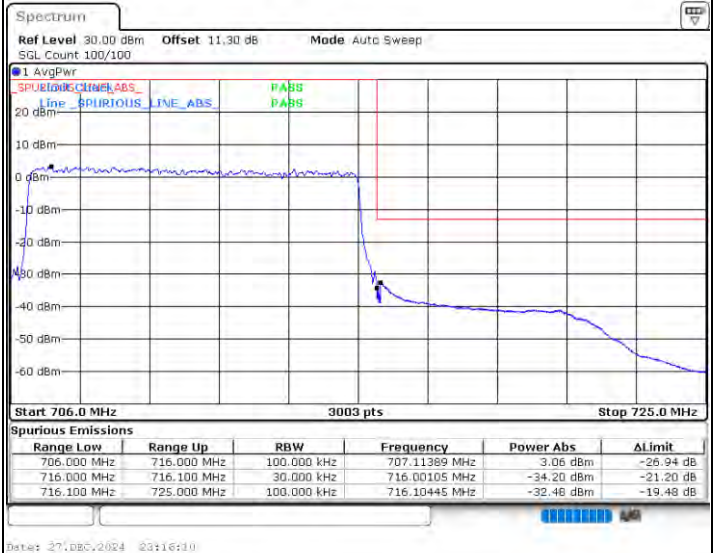


LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / Full RB



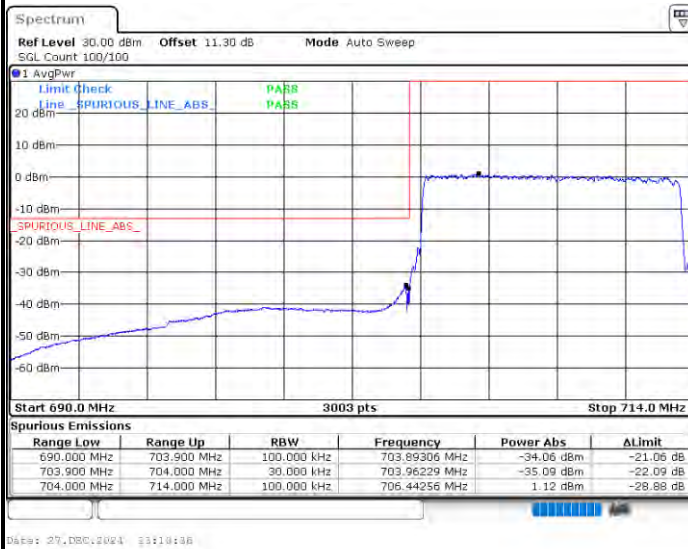
Highest Band Edge / Full RB



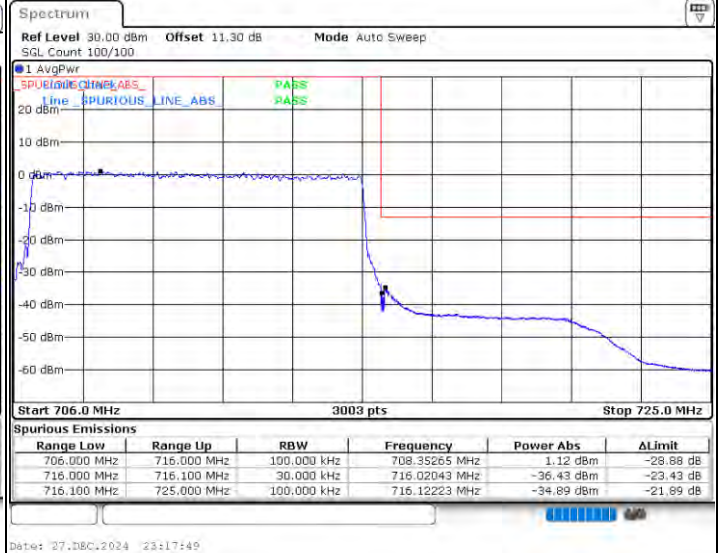


LTE Band 17 / 10MHz / 64QAM

Lowest Band Edge / Full RB

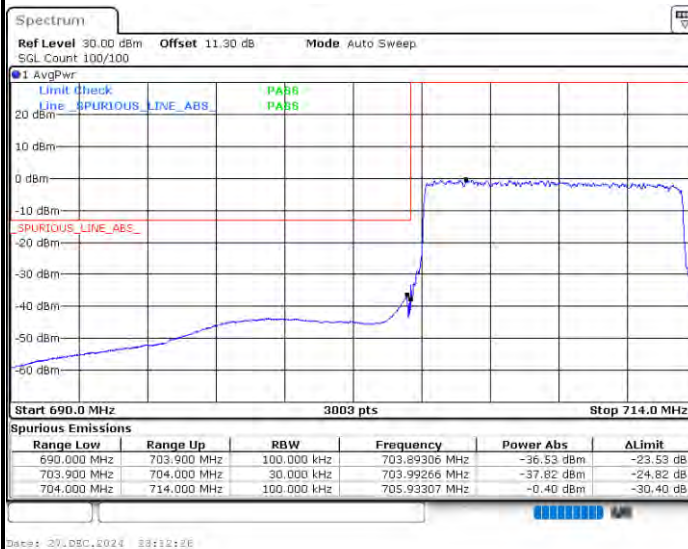


Highest Band Edge / Full RB

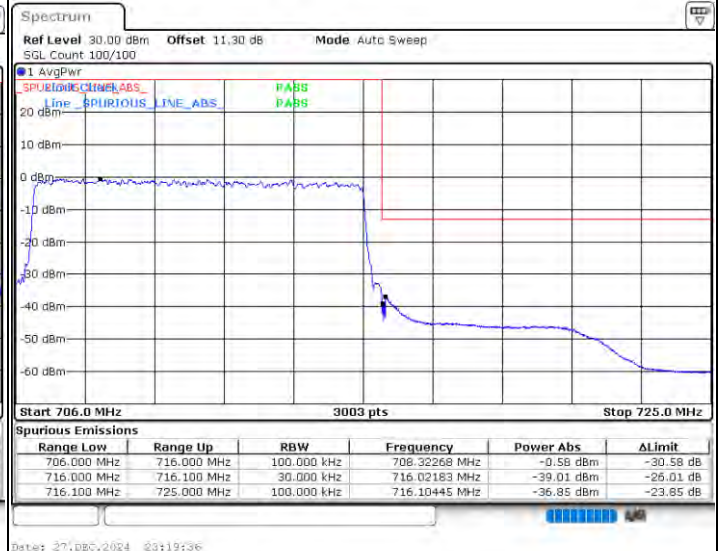


LTE Band 17 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

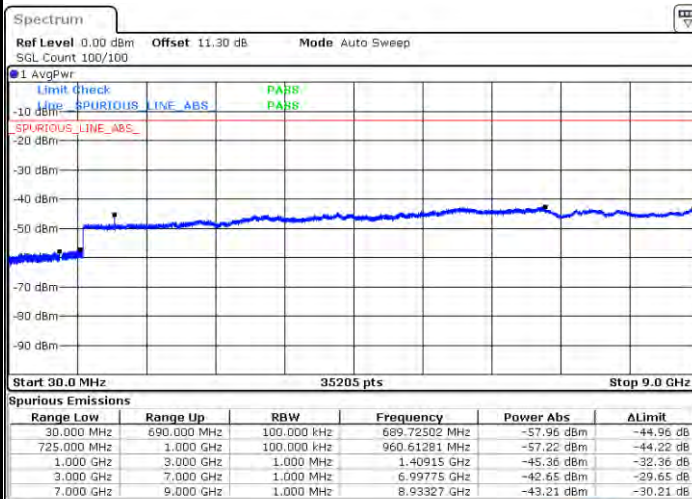




Conducted Spurious Emission

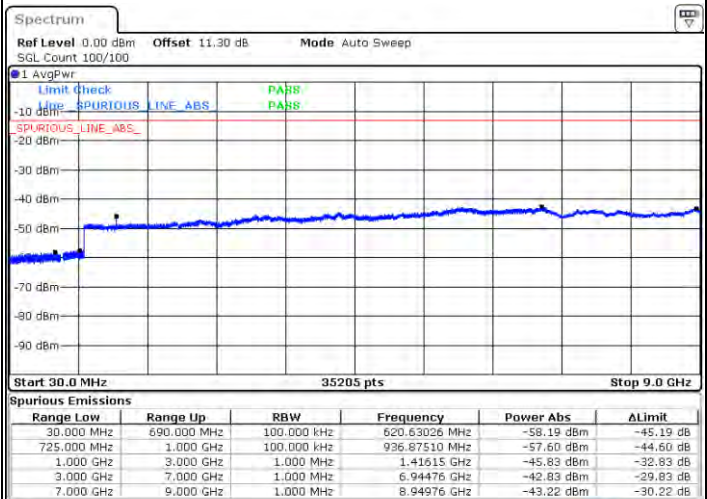
LTE Band 17 / 5MHz

Lowest Channel / QPSK



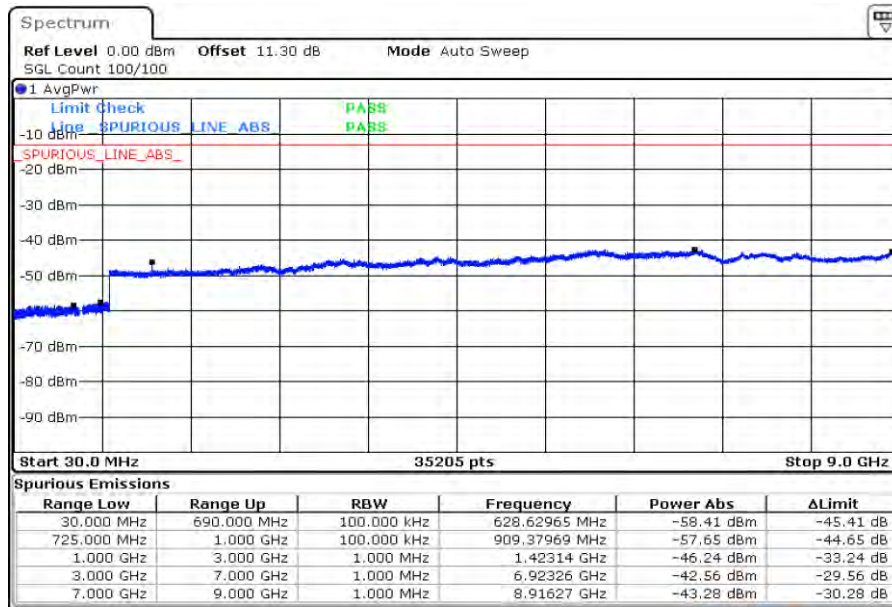
Date: 28.DEC.2024 00:03:10

Middle Channel / QPSK



Date: 28.DEC.2024 00:05:12

Highest Channel / QPSK

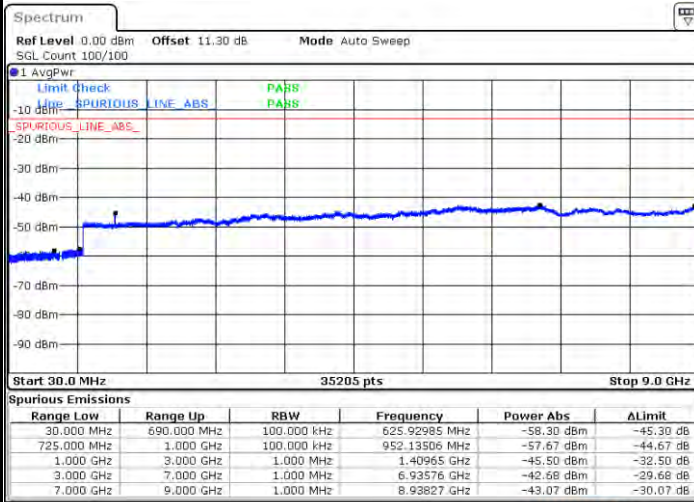


Date: 28.DEC.2024 00:07:01



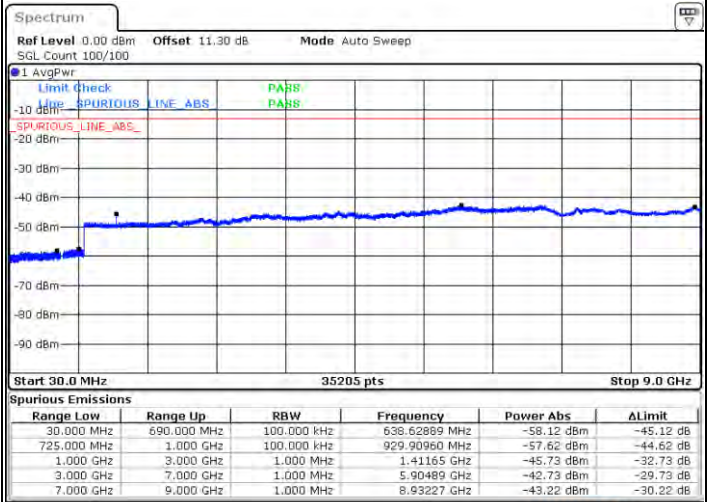
LTE Band 17 / 10MHz

Lowest Channel / QPSK



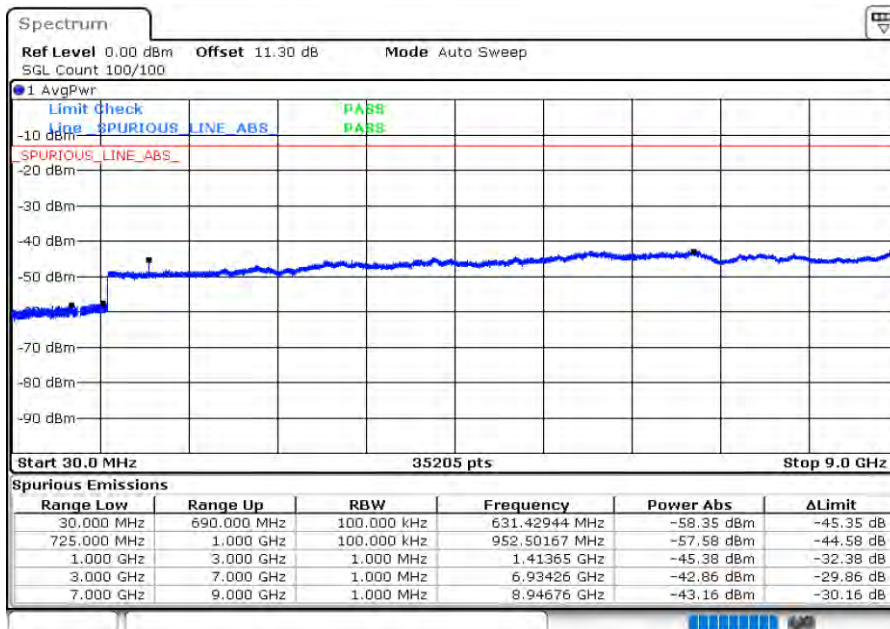
Date: 28.DEC.2024 00:08:54

Middle Channel / QPSK



Date: 28.DEC.2024 00:10:52

Highest Channel / QPSK



Date: 28.DEC.2024 00:13:03

Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
55	Normal Voltage	0.0072	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0046	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0052	
20	Maximum Voltage	0.0034	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0068	

Note:

1. Normal Voltage = 3.89 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. 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	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.62	6.58	6.49	6.58	PASS