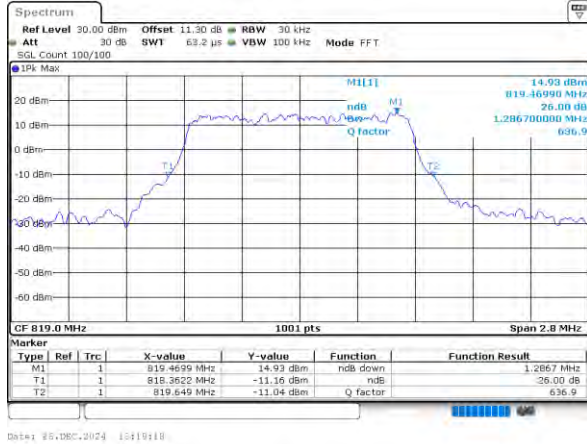


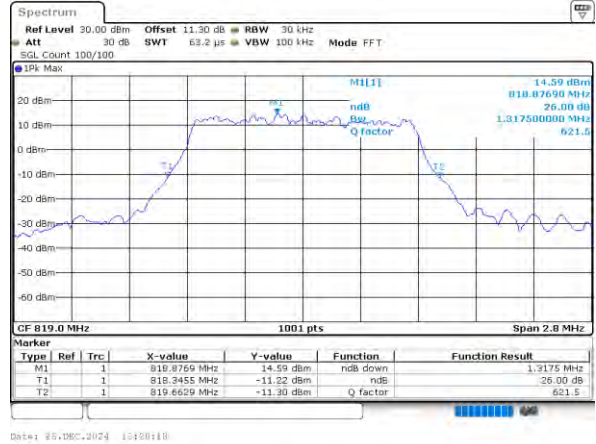


LTE Band 26

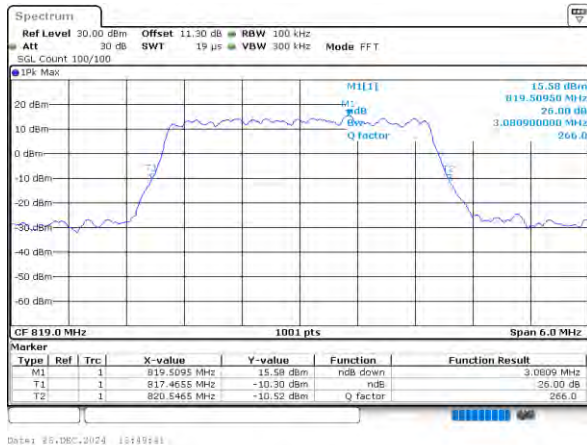
Middle Channel / 1.4MHz / QPSK



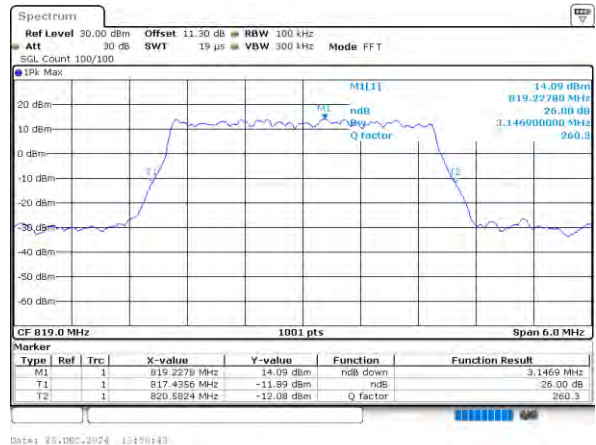
Middle Channel / 1.4MHz / 16QAM



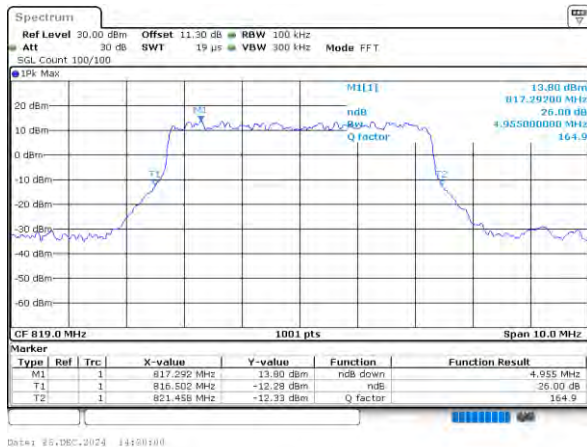
Middle Channel / 3MHz / QPSK



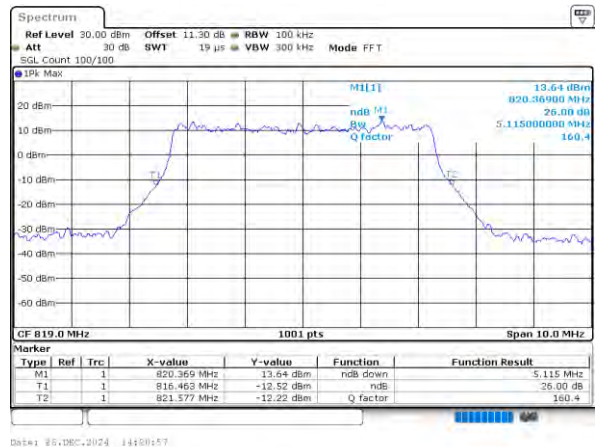
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



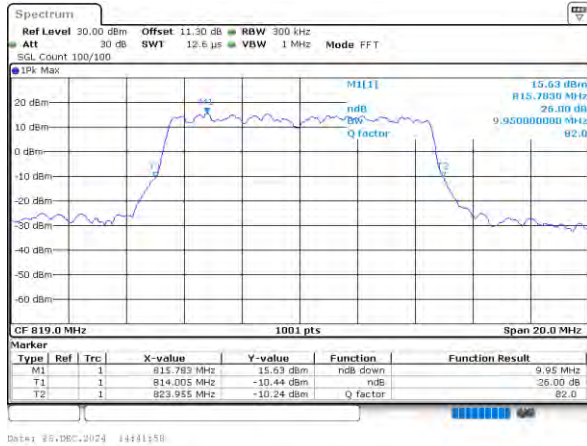
Middle Channel / 5MHz / 16QAM



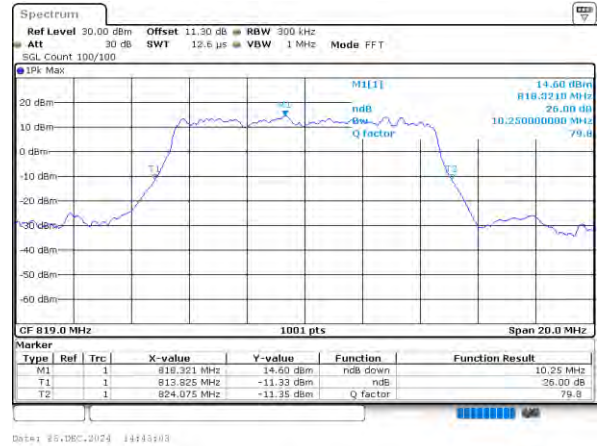


LTE Band 26

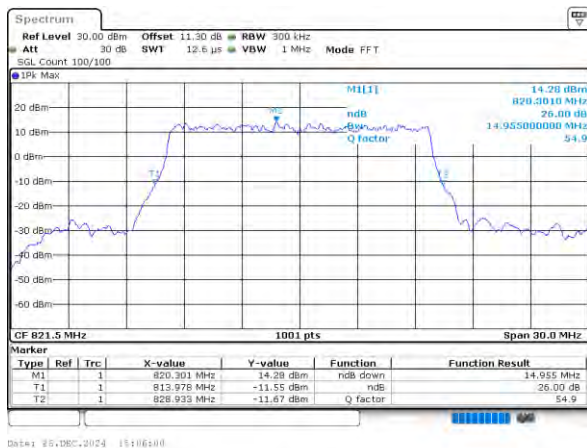
Middle Channel / 10MHz / QPSK



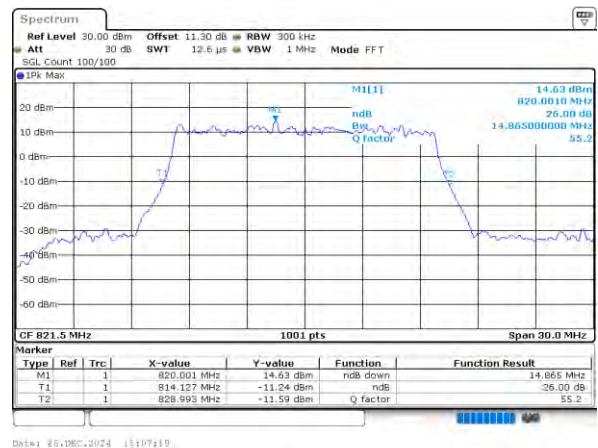
Middle Channel / 10MHz / 16QAM



Low Channel / 15MHz / QPSK



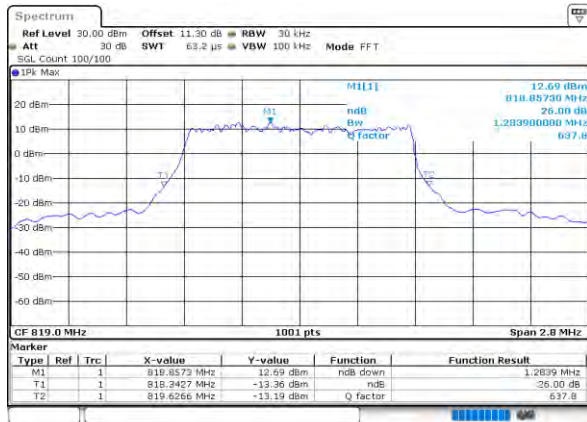
Low Channel / 15MHz / 16QAM



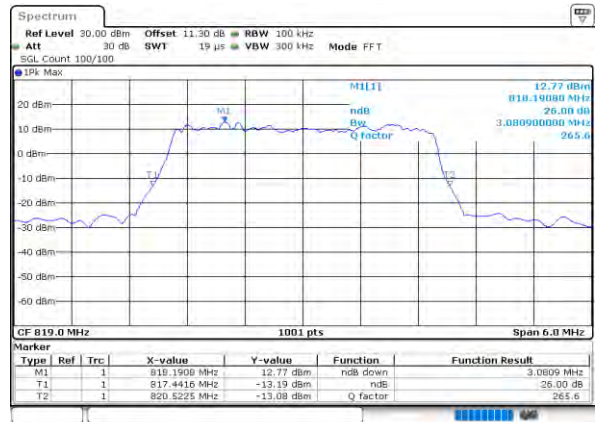


LTE Band 26

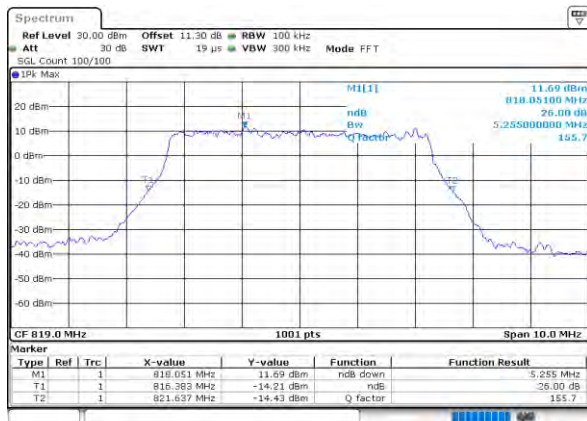
Middle Channel / 1.4MHz / 64QAM



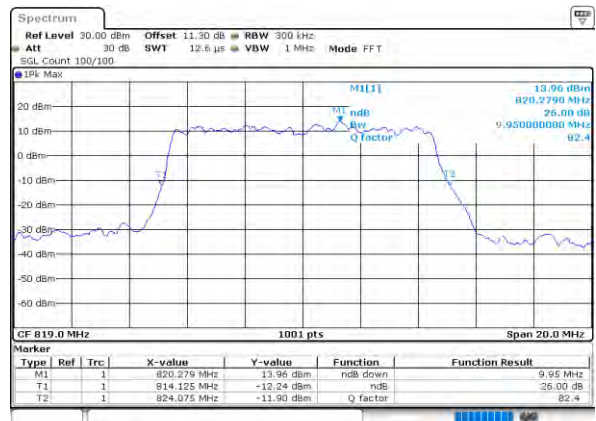
Middle Channel / 3MHz / 64QAM



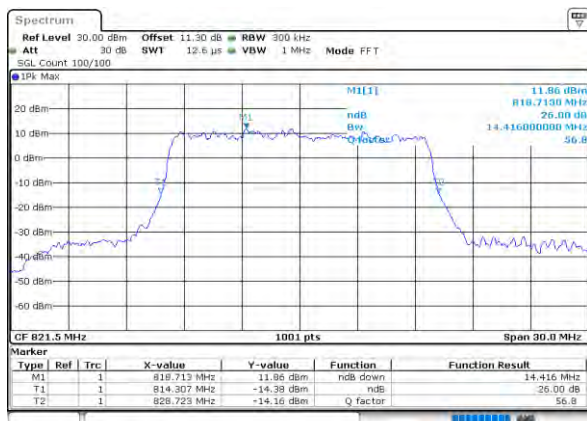
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



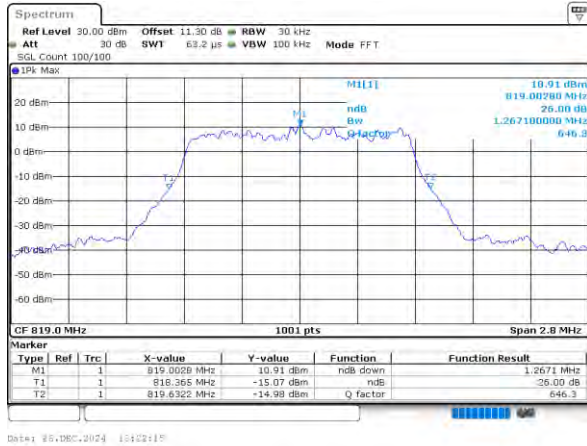
Low Channel / 15MHz / 64QAM



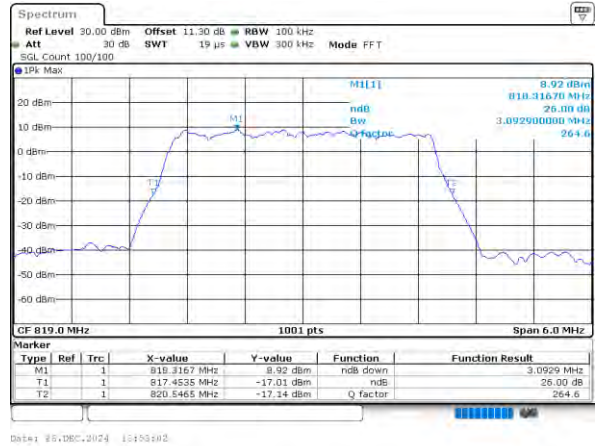


LTE Band 26

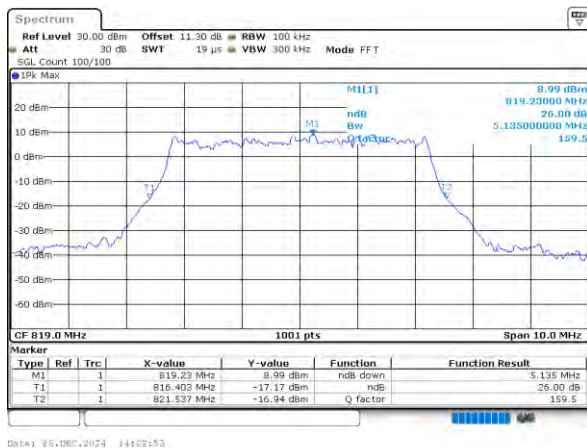
Middle Channel / 1.4MHz / 256QAM



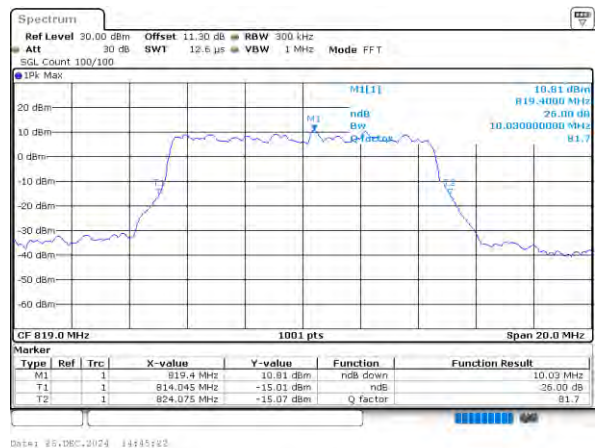
Middle Channel / 3MHz / 256QAM



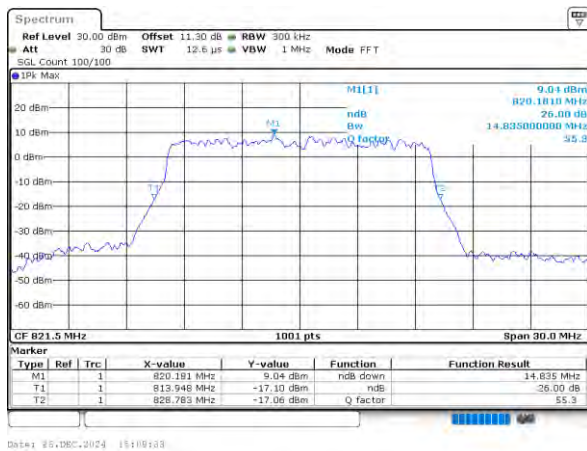
Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



Low Channel / 15MHz / 256QAM



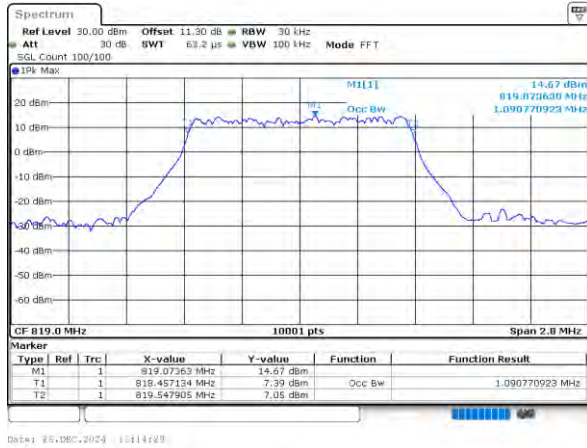
**Occupied Bandwidth**

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Low CH	-	-	-	-	-	-	-	-	13.47	13.45	-	-
Middle CH	1.09	1.10	2.71	2.72	4.50	4.52	9.10	8.98	-	-	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Low CH	-	-	-	-	-	-	-	-	13.46	13.40	-	-
Middle CH	1.09	1.09	2.72	2.73	4.52	4.50	9.02	8.99	-	-	-	-

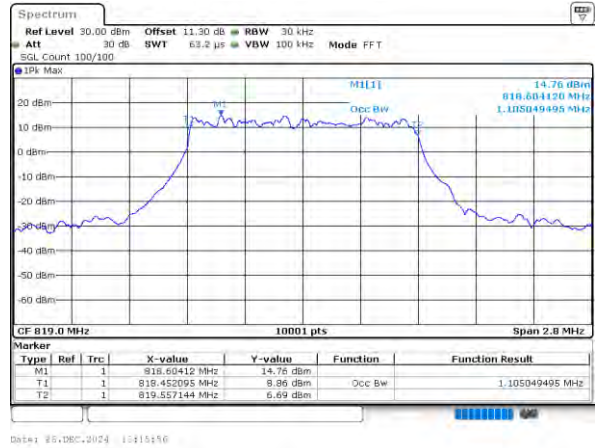


LTE Band 26

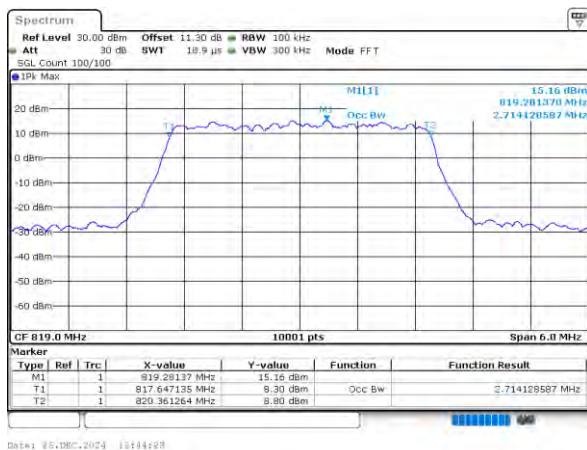
Middle Channel / 1.4MHz / QPSK



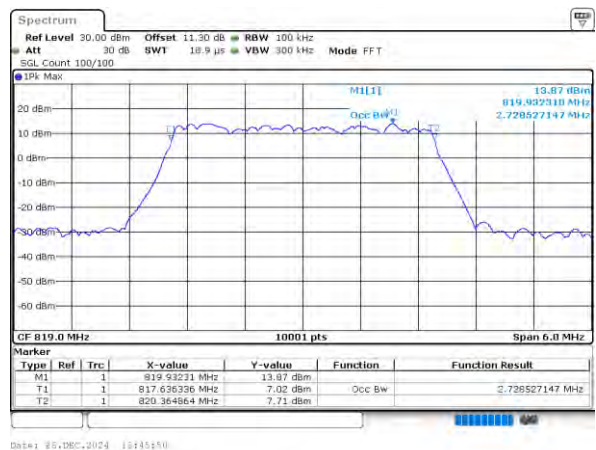
Middle Channel / 1.4MHz / 16QAM



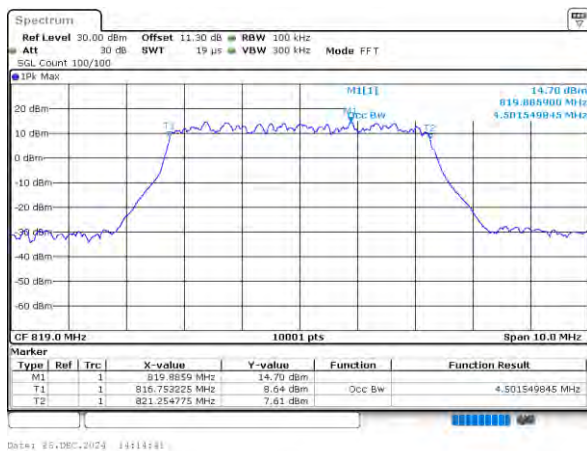
Middle Channel / 3MHz / QPSK



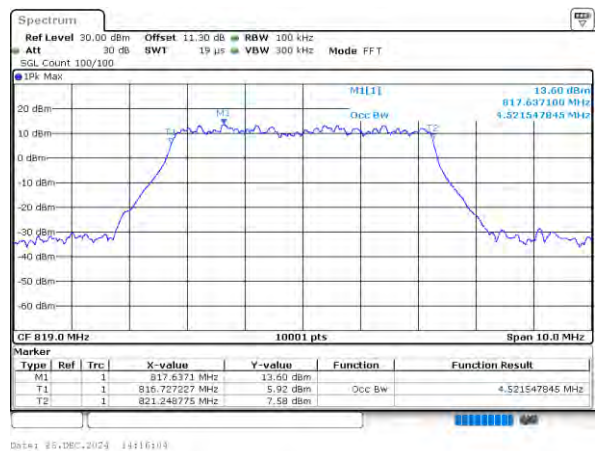
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



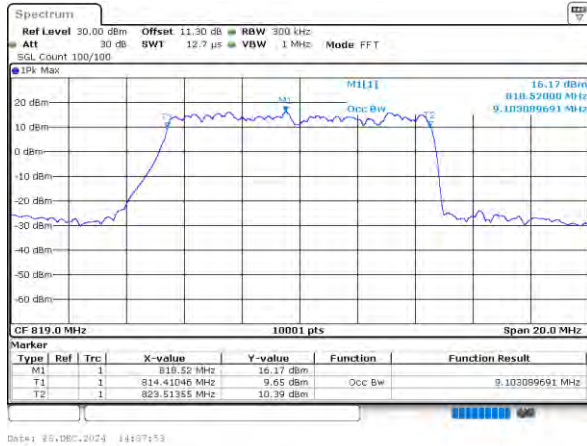
Middle Channel / 5MHz / 16QAM



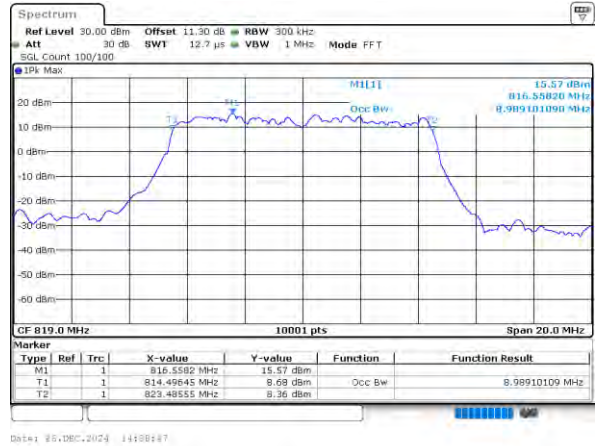


LTE Band 26

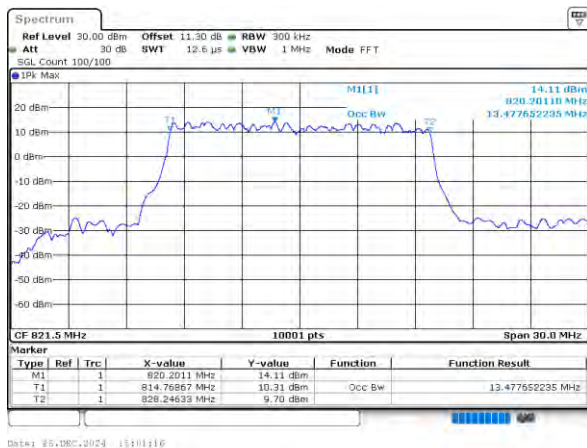
Middle Channel / 10MHz / QPSK



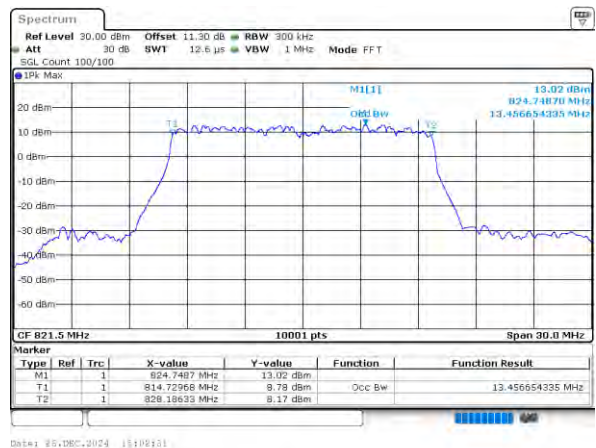
Middle Channel / 10MHz / 16QAM



Low Channel / 15MHz / QPSK



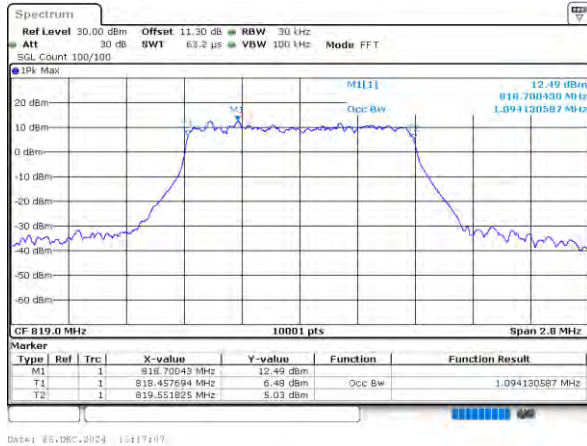
Low Channel / 15MHz / 16QAM



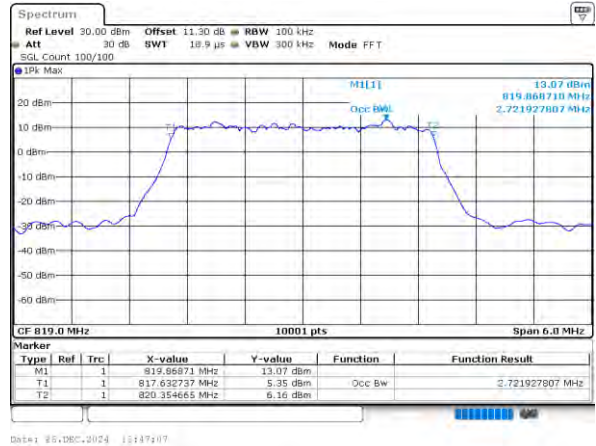


LTE Band 26

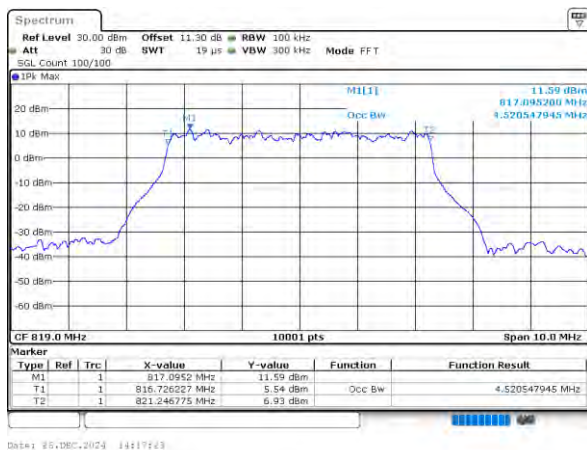
Middle Channel / 1.4MHz / 64QAM



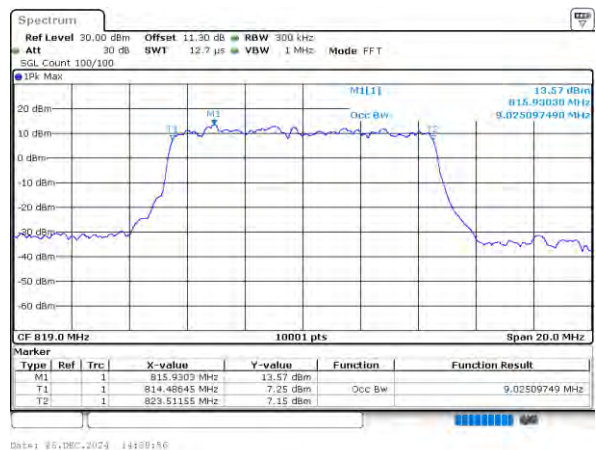
Middle Channel / 3MHz / 64QAM



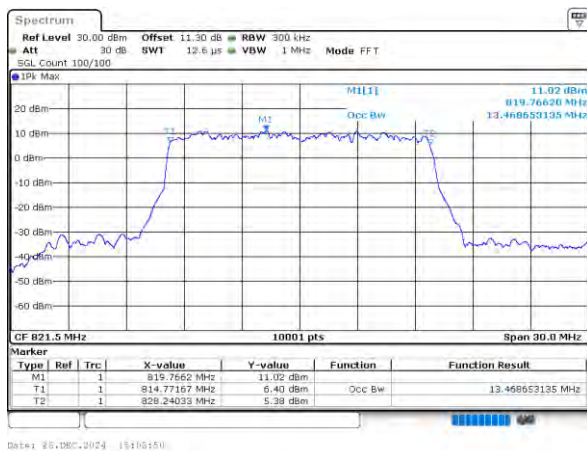
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



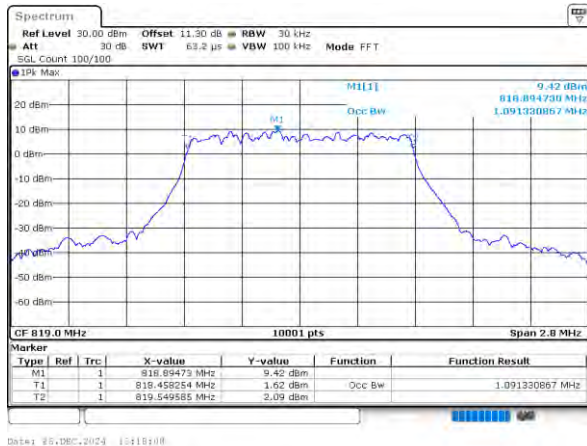
Low Channel / 15MHz / 64QAM



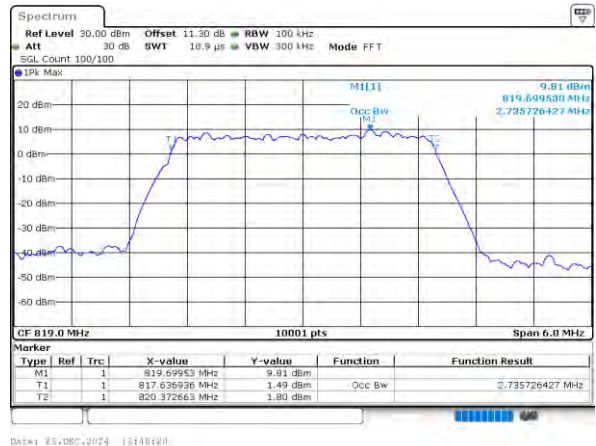


LTE Band 26

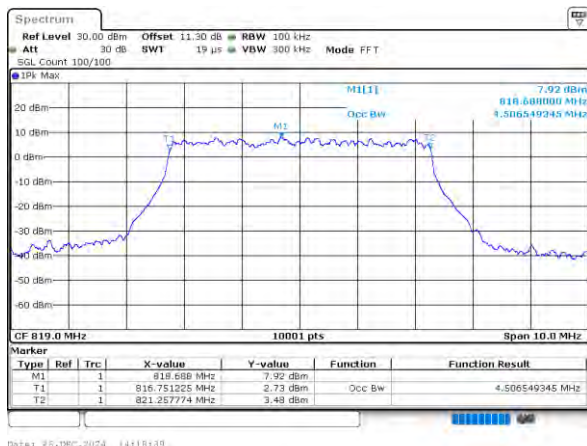
Middle Channel / 1.4MHz / 256QAM



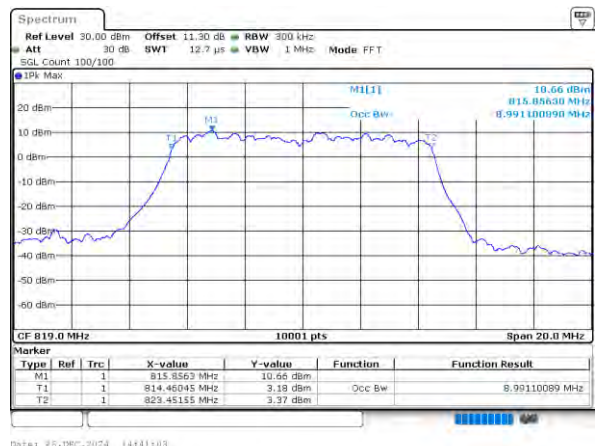
Middle Channel / 3MHz / 256QAM



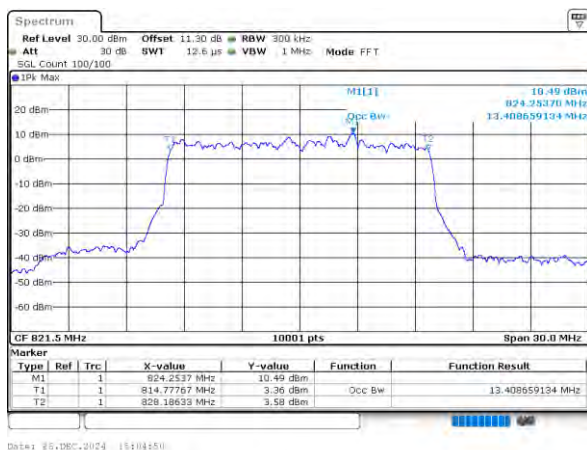
Middle Channel / 5MHz / 256QAM

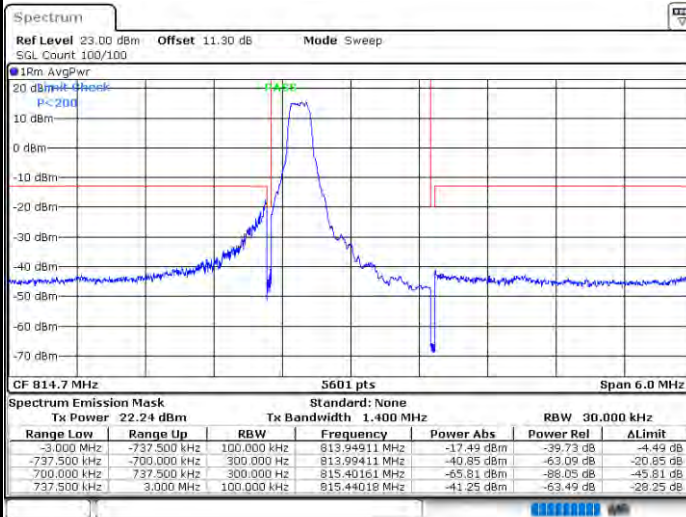
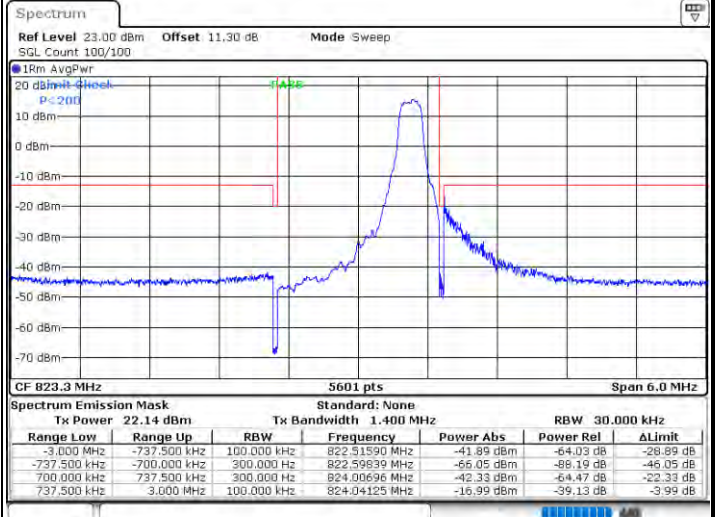
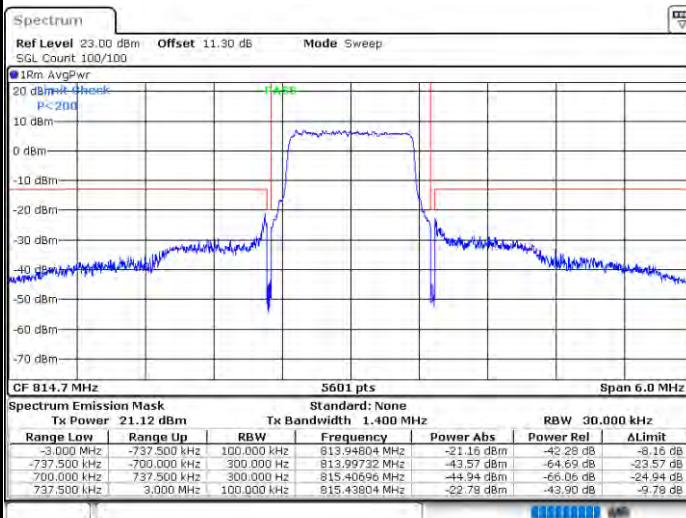
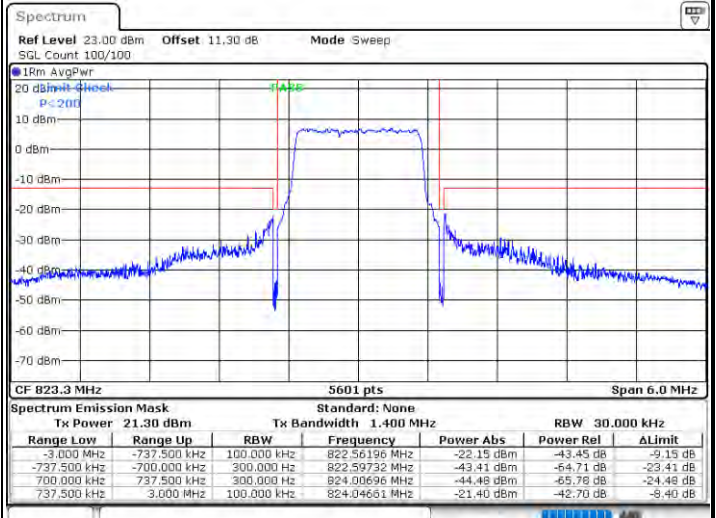


Middle Channel / 10MHz / 256QAM



Low Channel / 15MHz / 256QAM

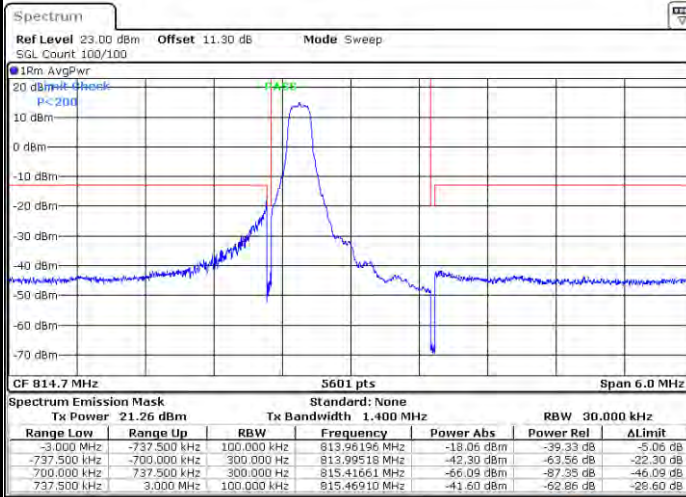


**Emission masks – In-band emissions****LTE Band 26 / 1.4MHz / QPSK****Lowest Channel / 1RB****Highest Channel / 1RB****Lowest Channel / Full RB****Highest Channel / Full RB**



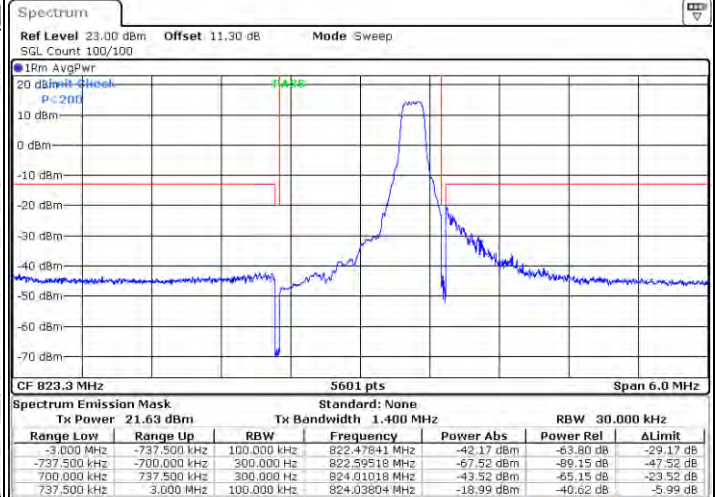
LTE Band 26 / 1.4MHz / 16QAM

Lowest Channel / 1 RB



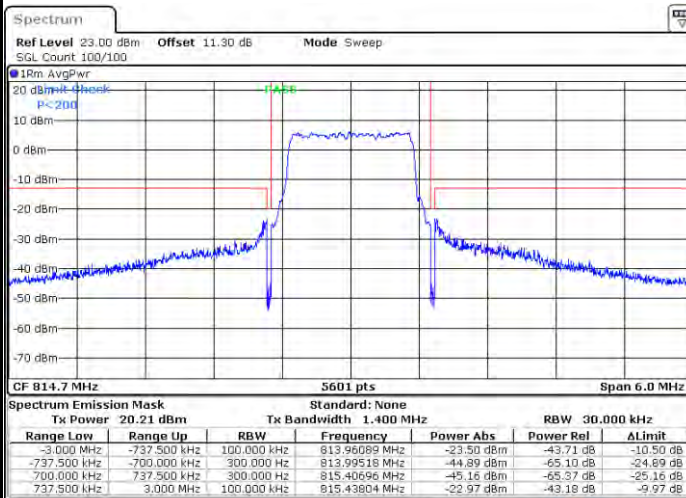
Date: 28.DEC.2024 12:46:48

Highest Channel / 1 RB



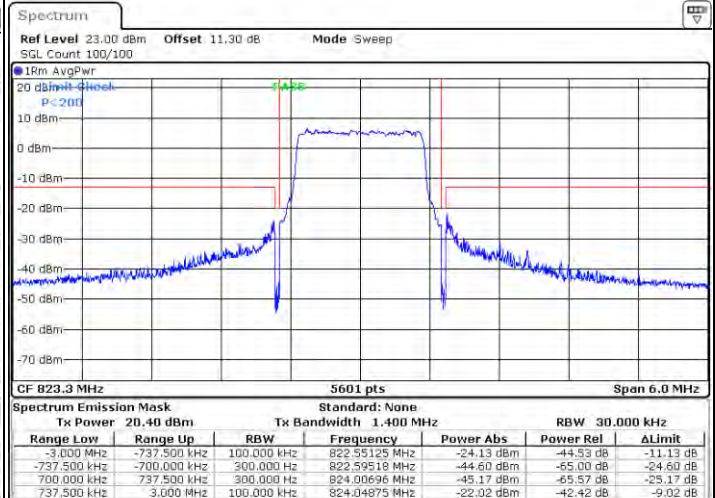
Date: 28.DEC.2024 13:02:00

Lowest Channel / Full RB



Date: 28.DEC.2024 12:54:32

Highest Channel / Full RB

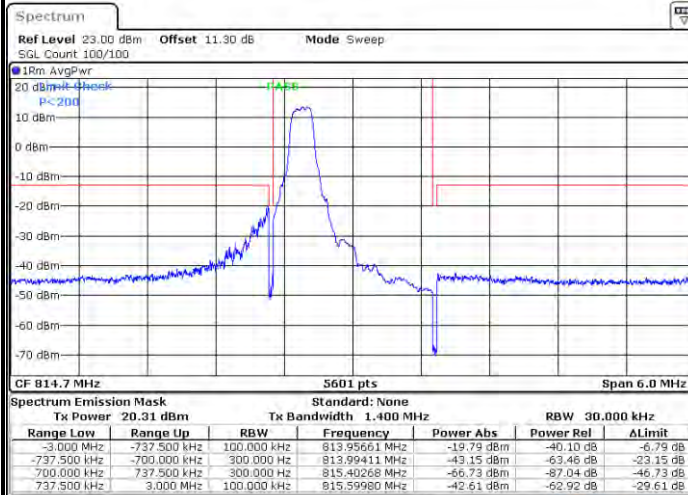


Date: 28.DEC.2024 13:09:25



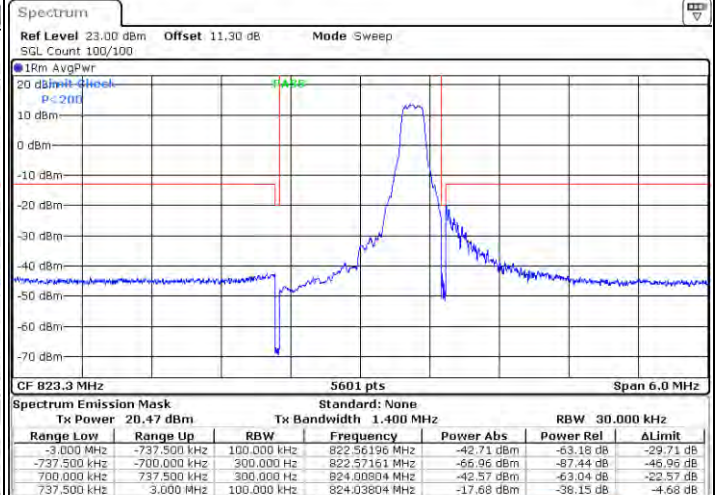
LTE Band 26 / 1.4MHz / 64QAM

Lowest Channel / 1 RB



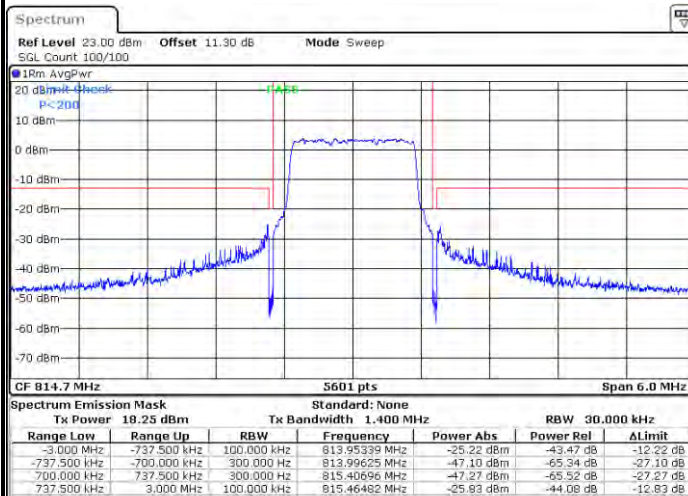
Date: 28.DEC.2024 12:48:47

Highest Channel / 1 RB



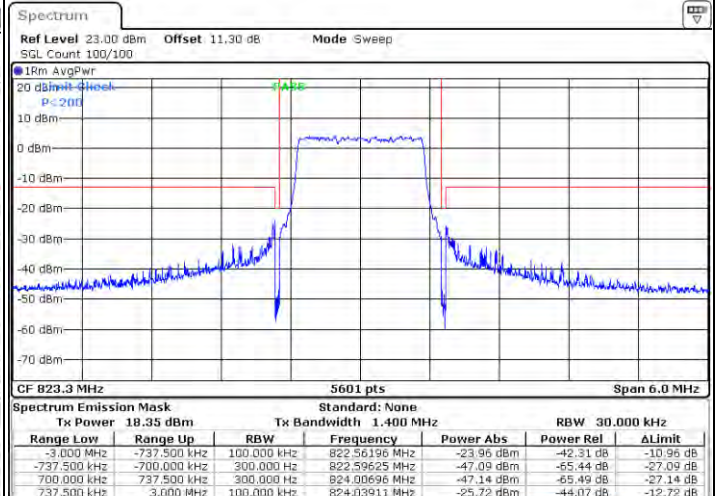
Date: 28.DEC.2024 13:03:49

Lowest Channel / Full RB



Date: 28.DEC.2024 12:56:18

Highest Channel / Full RB

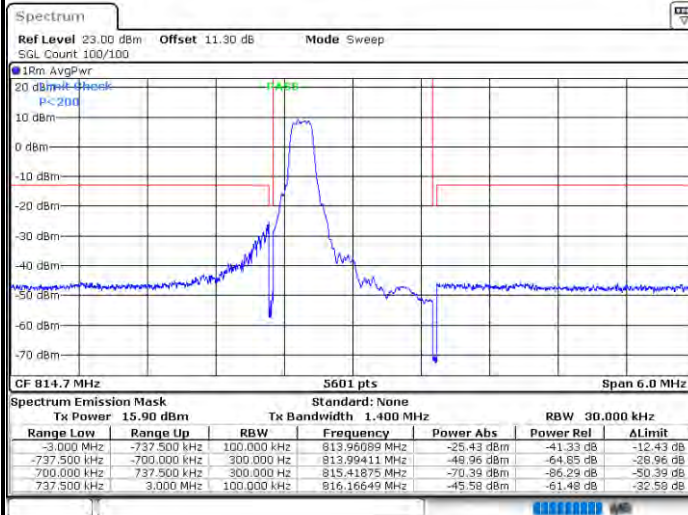


Date: 28.DEC.2024 13:11:27

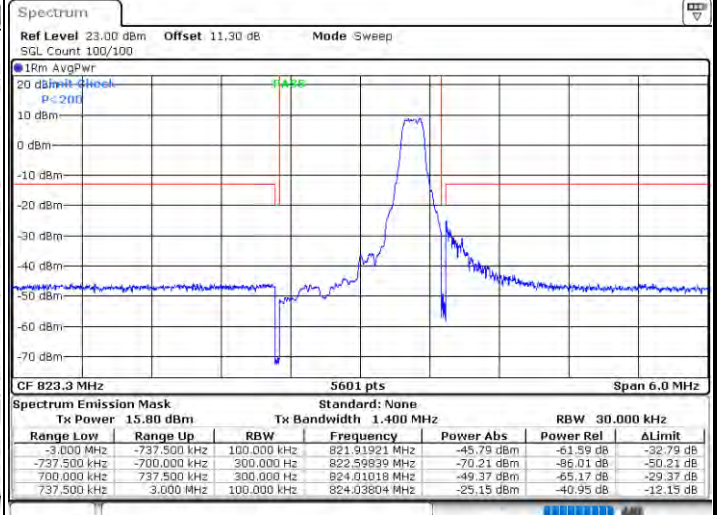


LTE Band 26 / 1.4MHz / 256QAM

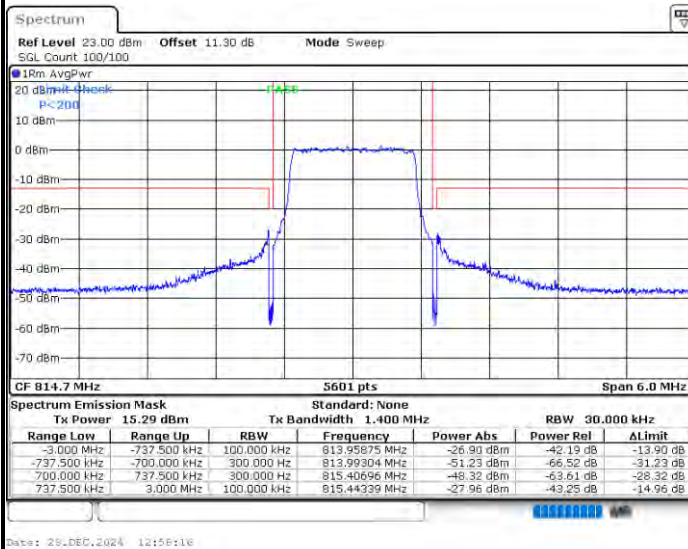
Lowest Channel / 1 RB



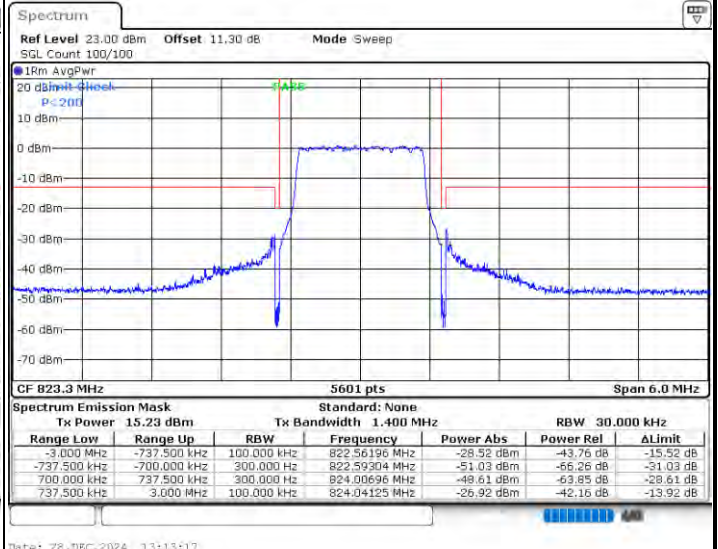
Highest Channel / 1 RB



Lowest Channel / Full RB



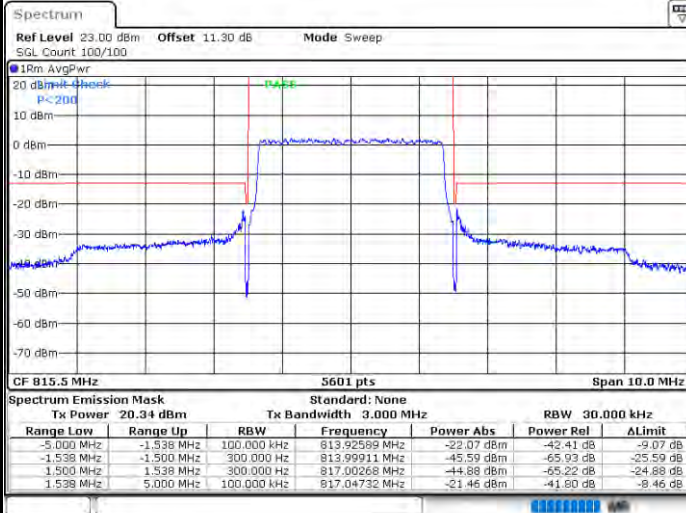
Highest Channel / Full RB



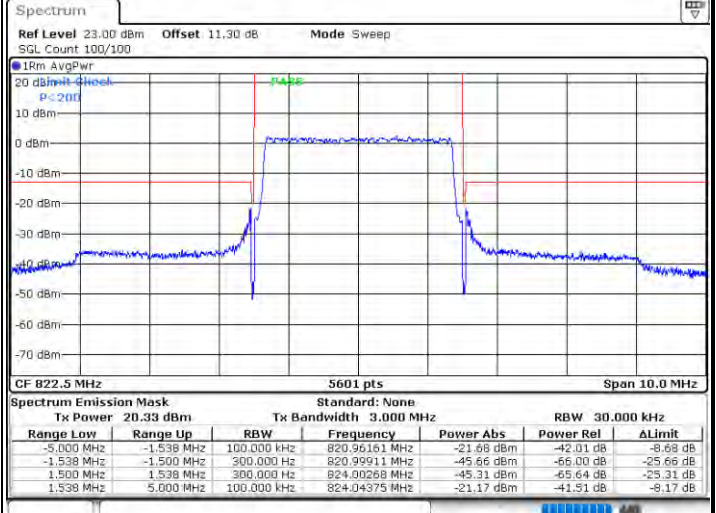


LTE Band 26 / 3MHz / QPSK

Lowest Channel / Full RB

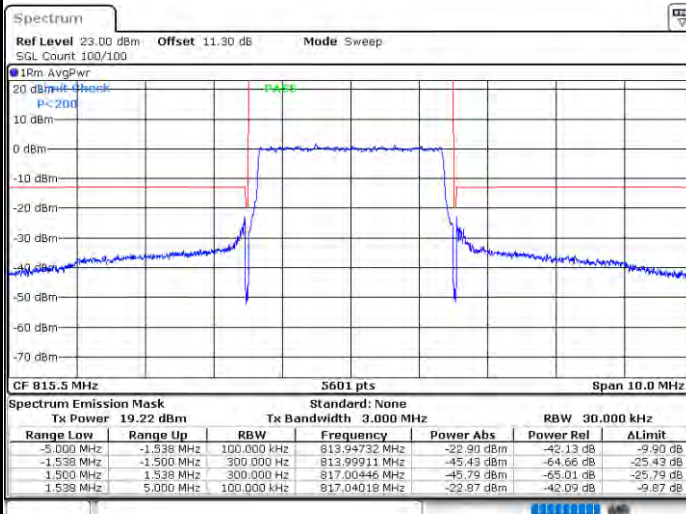


Highest Channel / Full RB

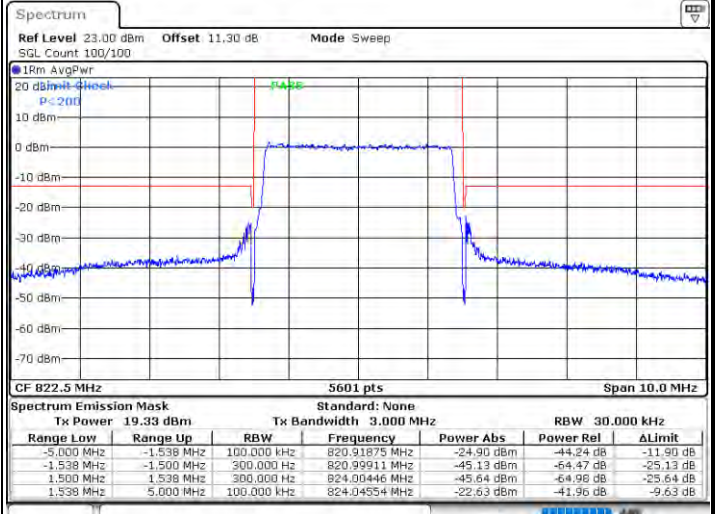


LTE Band 26 / 3MHz / 16QAM

Lowest Channel / Full RB



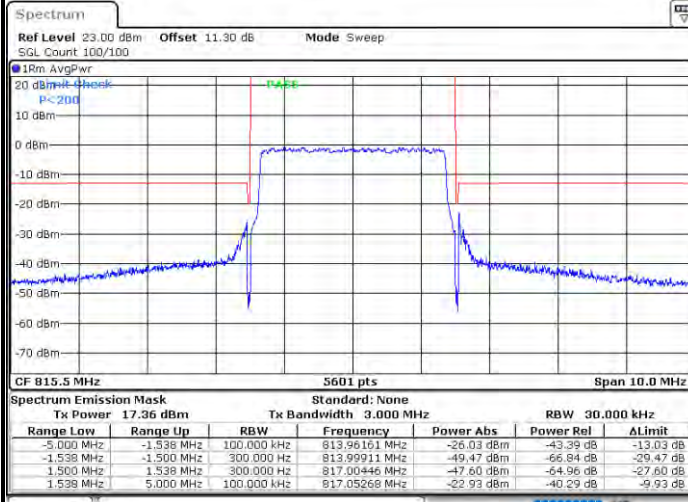
Highest Channel / Full RB



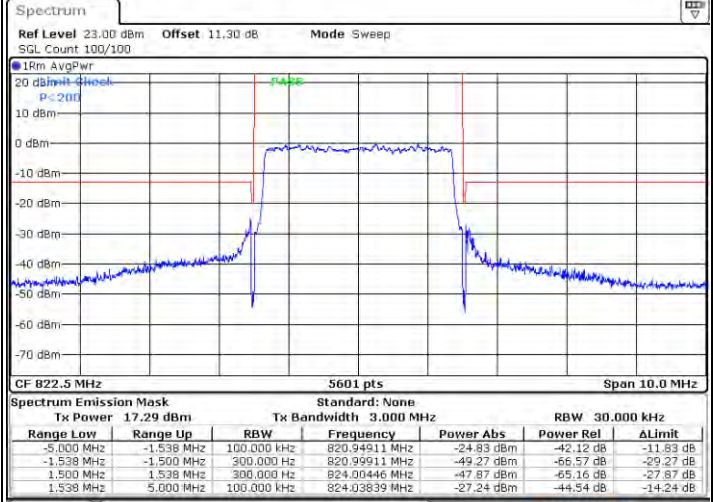


LTE Band 26 / 3MHz / 64QAM

Lowest Channel / Full RB

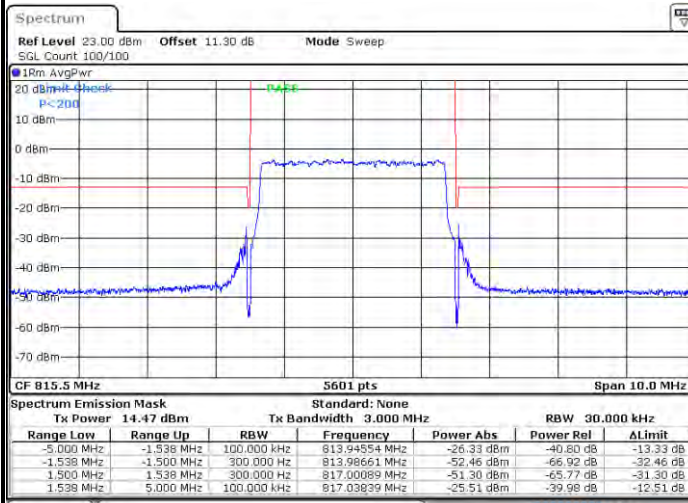


Highest Channel / Full RB

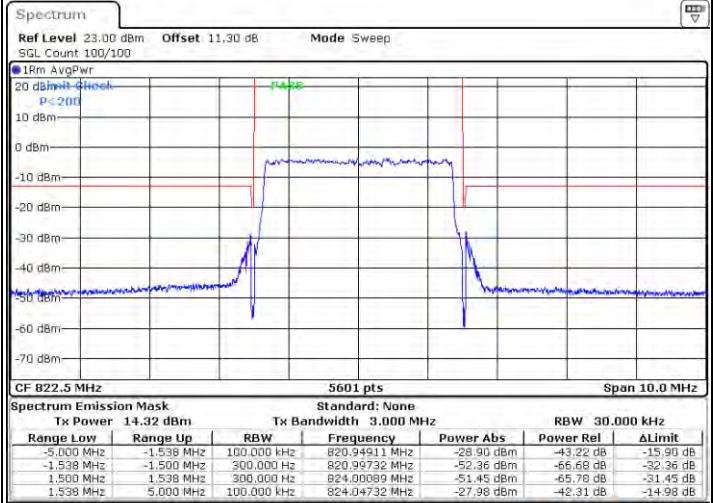


LTE Band 26 / 3MHz / 256QAM

Lowest Channel / Full RB



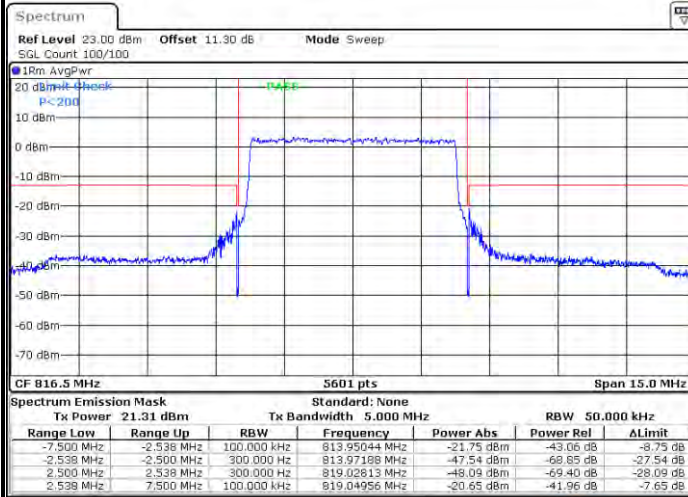
Highest Channel / Full RB



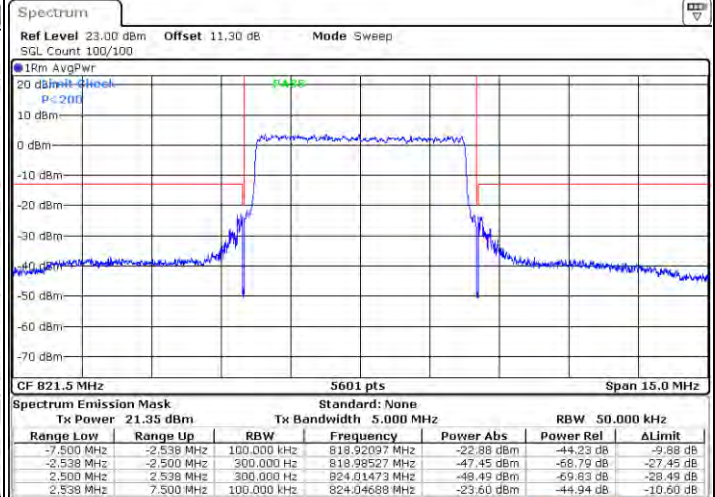


LTE Band 26 / 5MHz / QPSK

Lowest Channel / Full RB

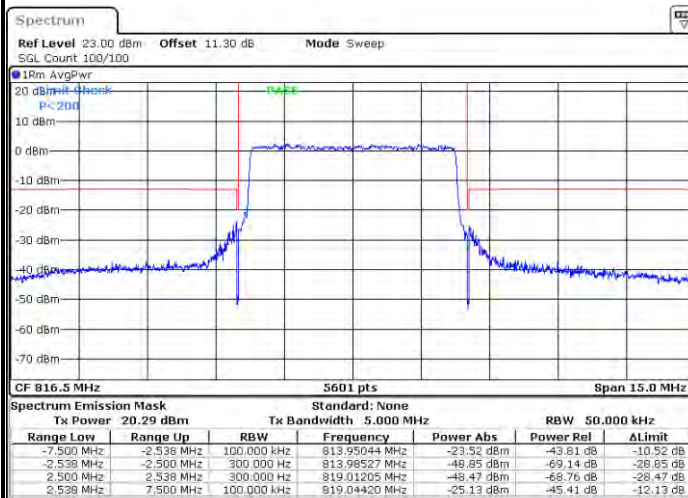


Highest Channel / Full RB

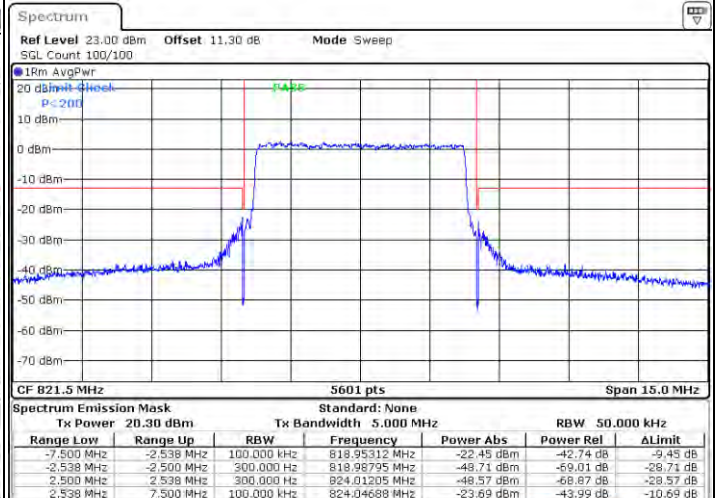


LTE Band 26 / 5MHz / 16QAM

Lowest Channel / Full RB



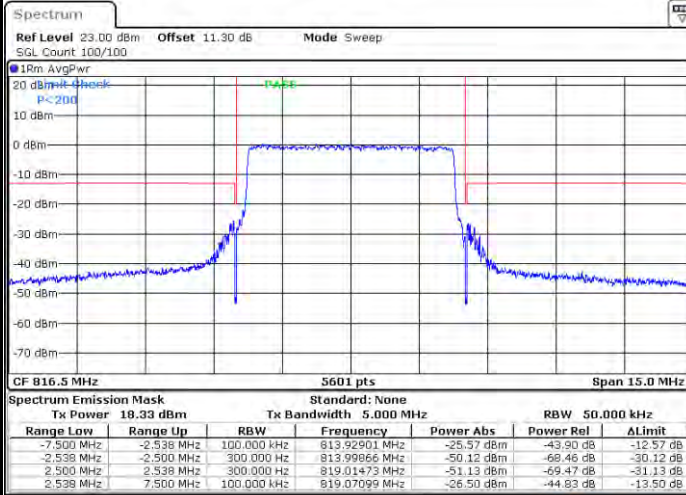
Highest Channel / Full RB



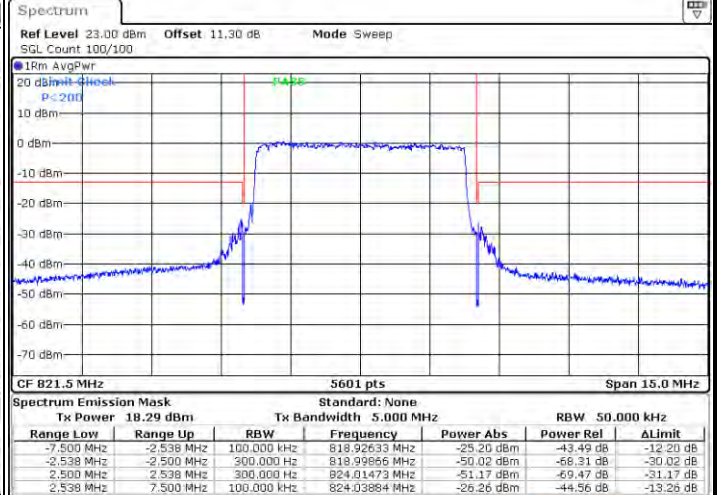


LTE Band 26 / 5MHz / 64QAM

Lowest Channel / Full RB

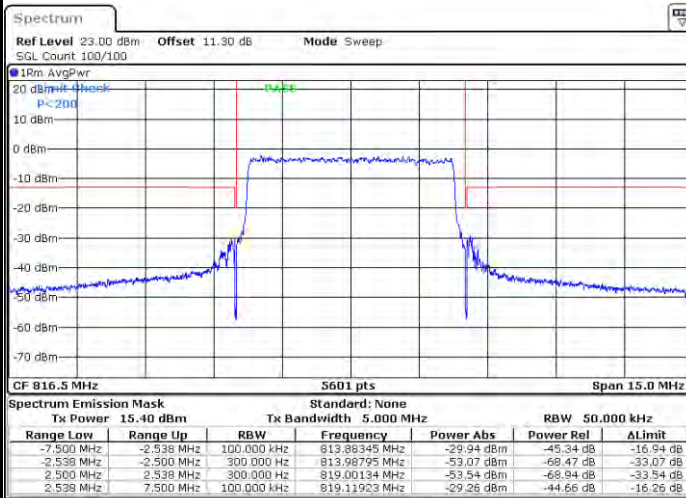


Highest Channel / Full RB

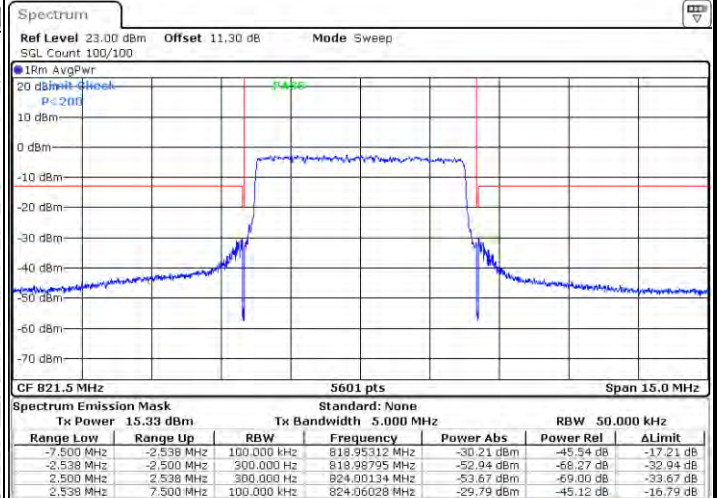


LTE Band 26 / 5MHz / 256QAM

Lowest Channel / Full RB



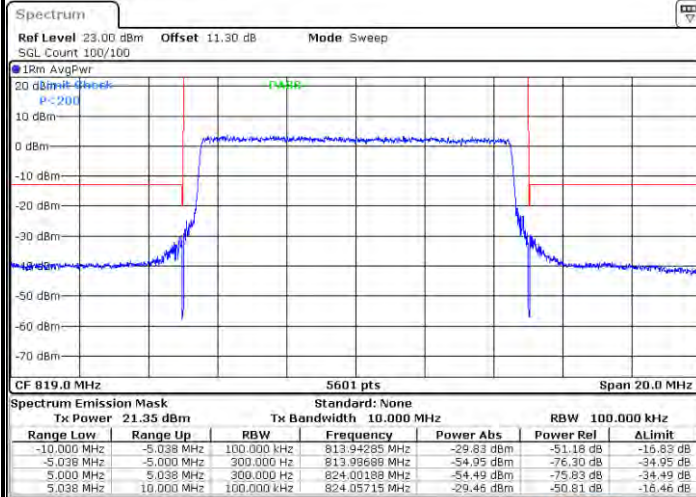
Highest Channel / Full RB





LTE Band 26 / 10MHz / QPSK

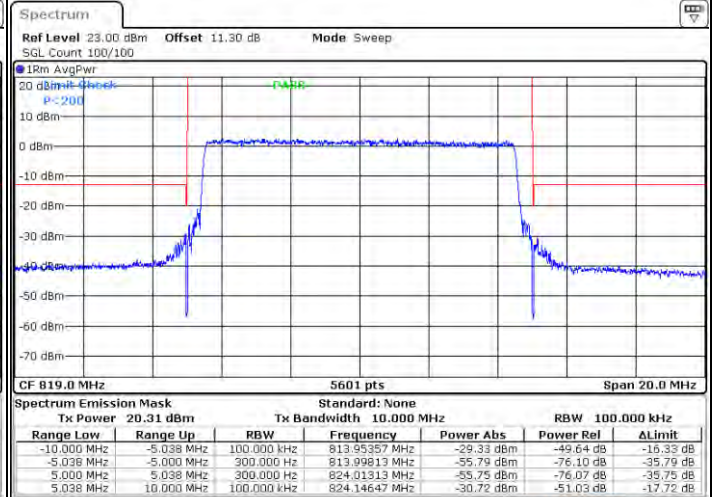
Lowest Channel / Full RB



Date: 28.DEC.2024 14:31:17

LTE Band 26 / 10MHz / 16QAM

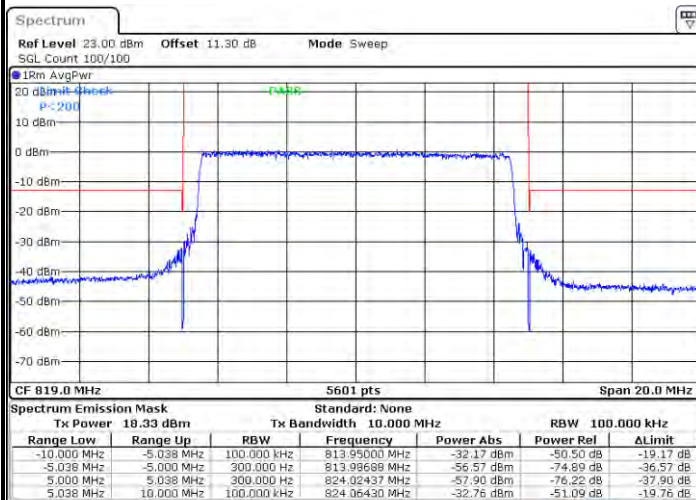
Lowest Channel / Full RB



Date: 28.DEC.2024 14:33:13

LTE Band 26 / 10MHz / 64QAM

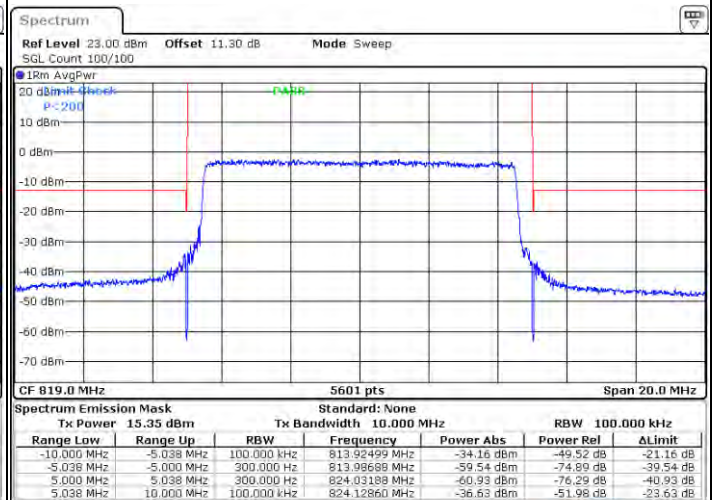
Lowest Channel / Full RB



Date: 28.DEC.2024 14:35:11

LTE Band 26 / 10MHz / 256QAM

Lowest Channel / Full RB

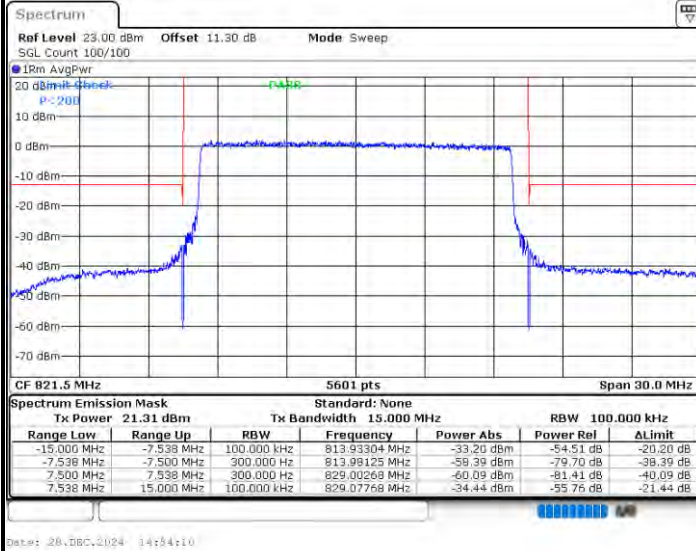


Date: 28.DEC.2024 14:37:00



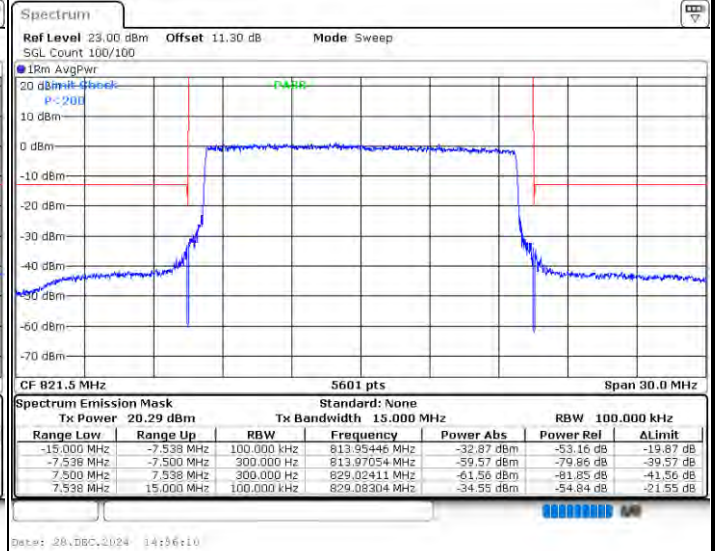
LTE Band 26 / 15MHz / QPSK

Lowest Channel / Full RB



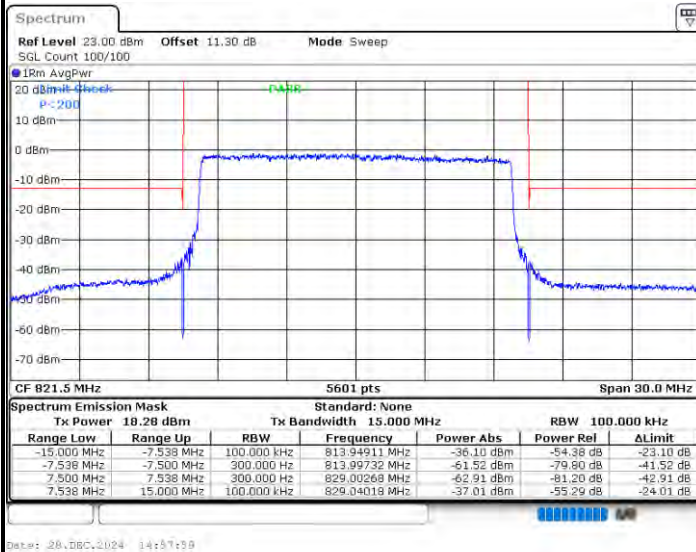
LTE Band 26 / 15MHz / 16QAM

Lowest Channel / Full RB



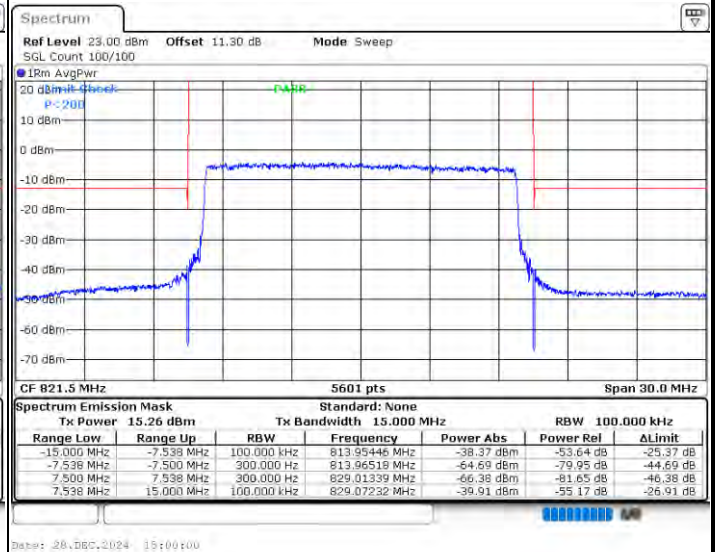
LTE Band 26 / 15MHz / 64QAM

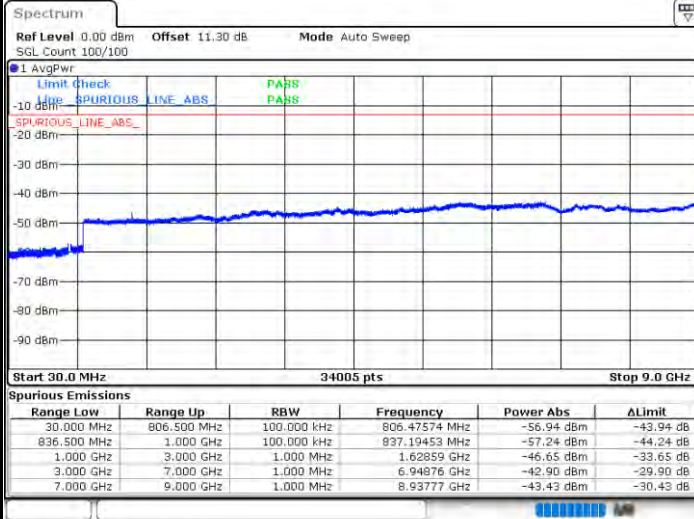
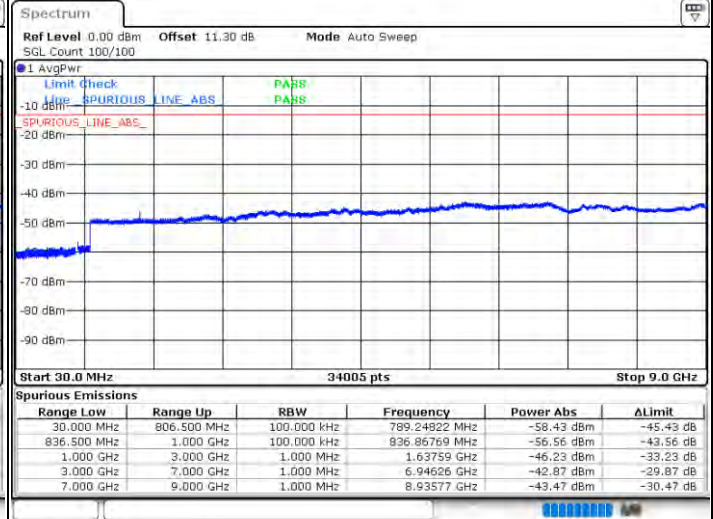
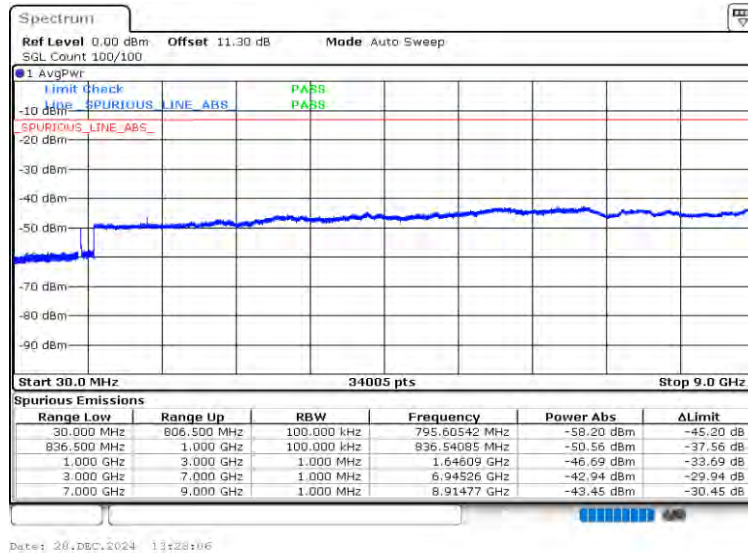
Lowest Channel / Full RB



LTE Band 26 / 15MHz / 256QAM

Lowest Channel / Full RB

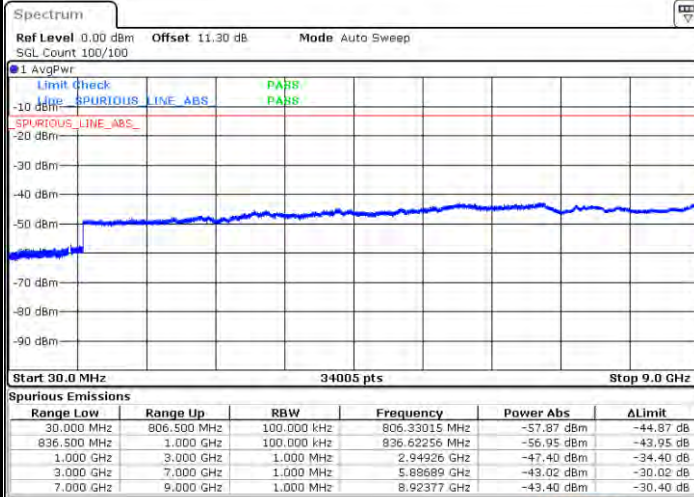


**Emission masks – Out of band emissions****LTE Band 26 / 1.4MHz****Lowest Channel / QPSK****Middle Channel / QPSK****Highest Channel / QPSK**



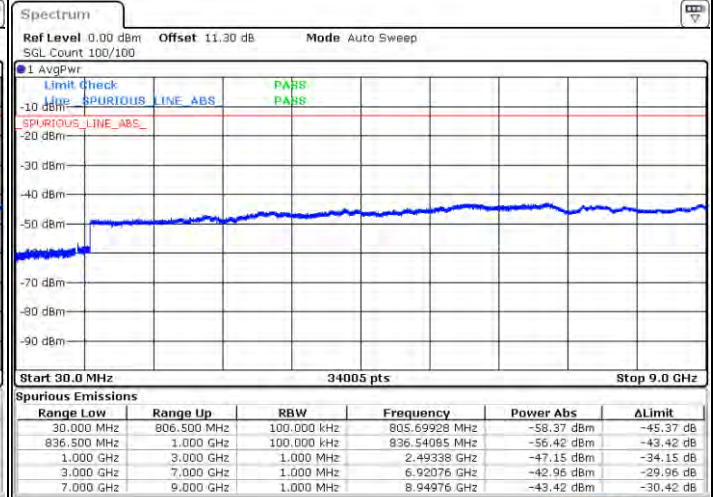
LTE Band 26 / 3MHz

Lowest Channel / QPSK



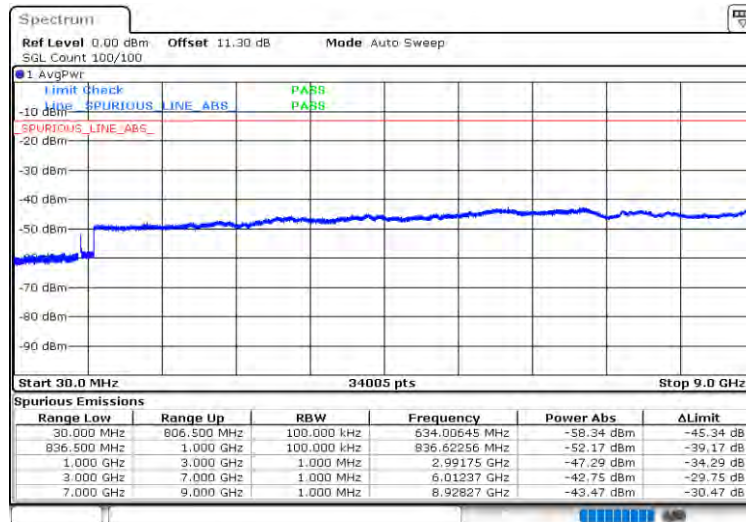
Date: 28.DEC.2024 13:54:46

Middle Channel / QPSK



Date: 28.DEC.2024 13:56:26

Highest Channel / QPSK

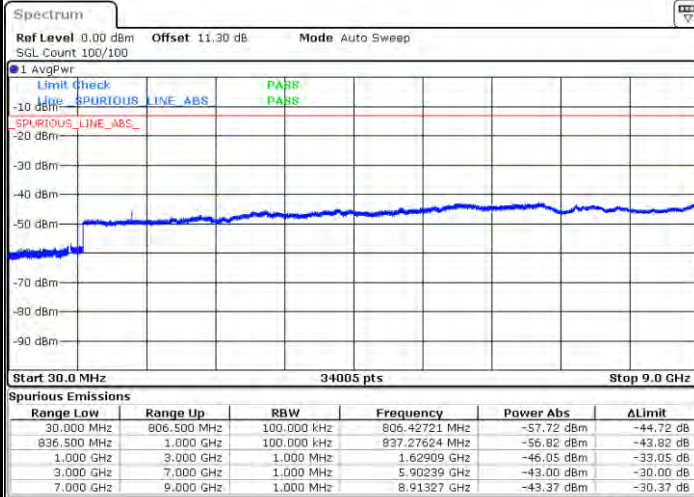


Date: 28.DEC.2024 13:58:35



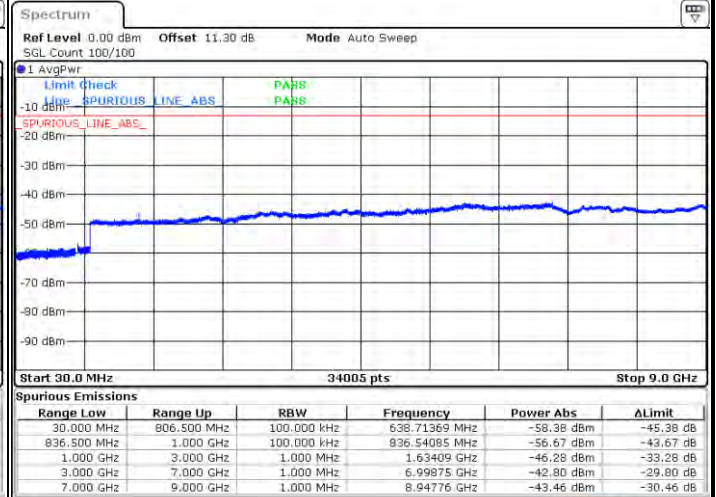
LTE Band 26 / 5MHz

Lowest Channel / QPSK



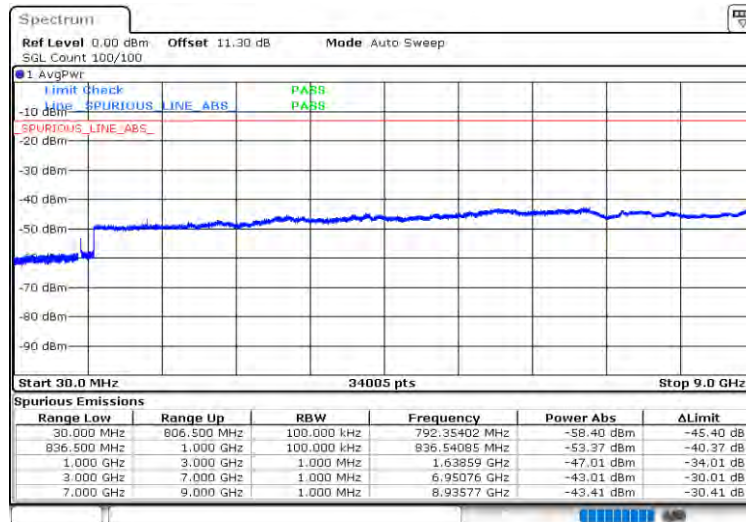
Date: 28.DEC.2024 14:25:02

Middle Channel / QPSK



Date: 28.DEC.2024 14:27:23

Highest Channel / QPSK

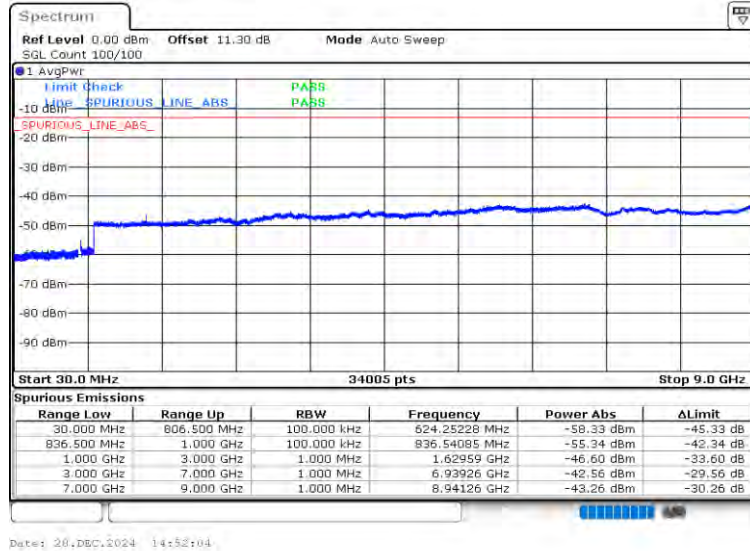


Date: 28.DEC.2024 14:29:28



LTE Band 26 / 10MHz

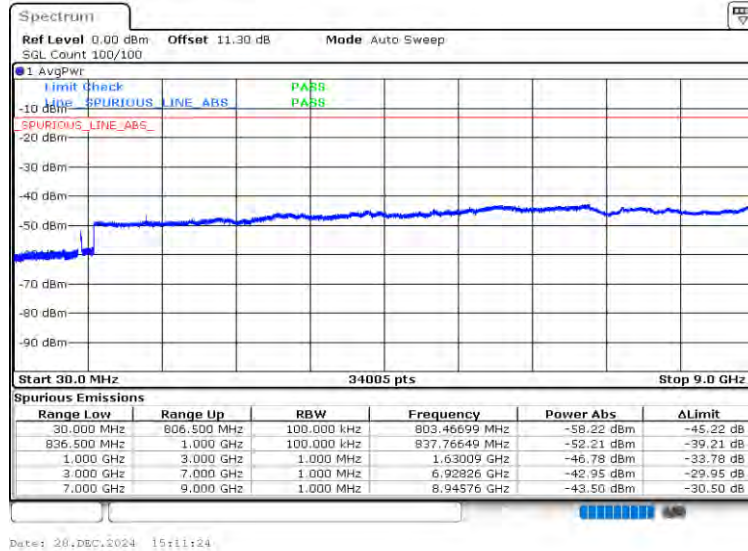
Middle Channel / QPSK





LTE Band 26 / 15MHz

Lowest Channel / QPSK



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
55	Normal Voltage	0.0065	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0040	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0104	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0012	

Note: Normal Voltage = 3.89 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.

Test Conditions		LTE Band 26 (QPSK) / Low Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	2.5ppm
		Deviation (ppm)	Result
55	Normal Voltage	0.0055	PASS
40	Normal Voltage	0.0034	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0045	

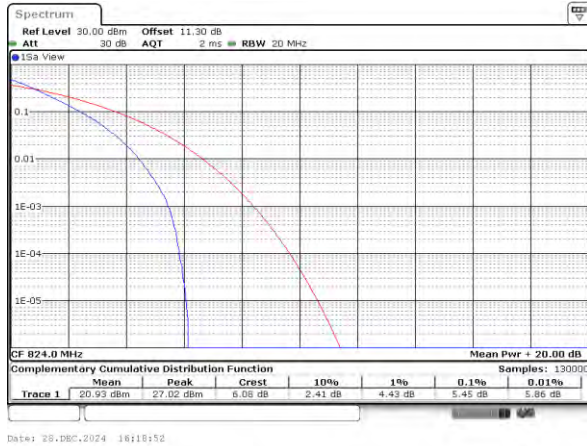
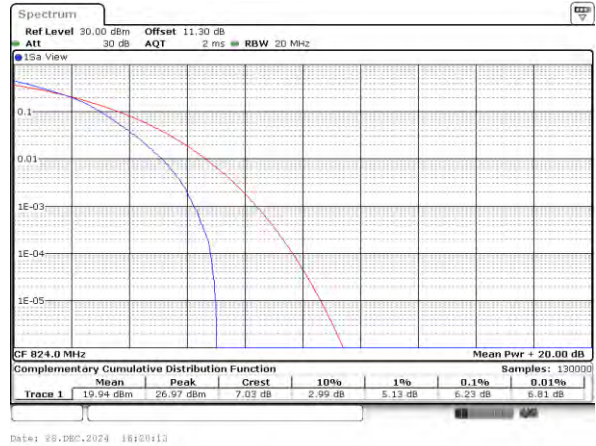
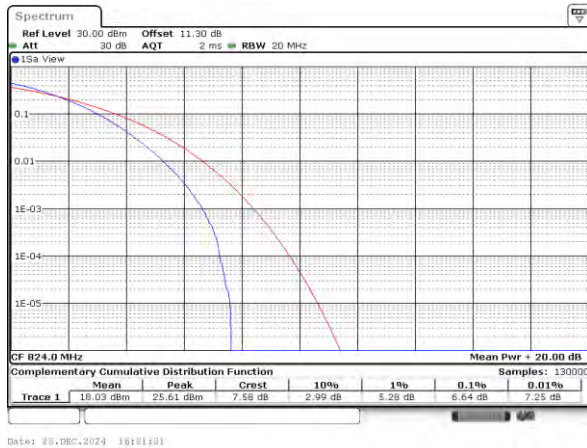
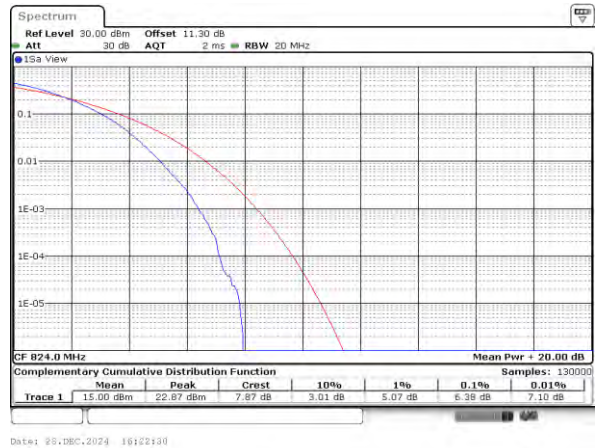
Note: Normal Voltage = 3.89 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.



LTE Band 26_Part 90S_824 MHz

Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.45	6.23	6.64	6.38	PASS

LTE Band 26 / 15MHz / QPSK
Middle Channel / Full RB

LTE Band 26 / 15MHz / 16QAM
Middle Channel / Full RB

LTE Band 26 / 15MHz / 64QAM
Middle Channel / Full RB

LTE Band 26 / 15MHz / 256QAM
Middle Channel / Full RB


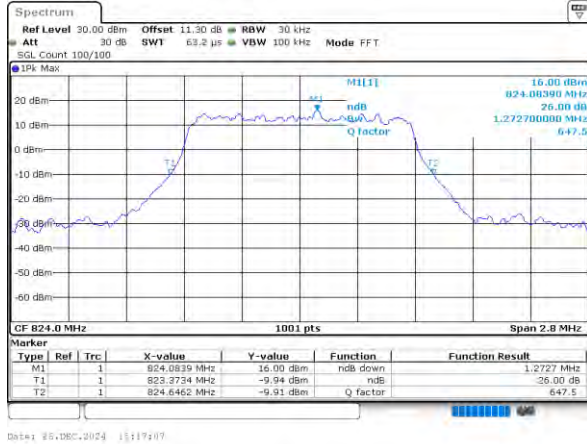
**26dB Bandwidth**

Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.27	1.26	3.18	3.11	5.32	5.13	9.85	9.81	14.20	14.17	-	-
Mode	LTE Band 26 : 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	1.26	1.29	3.11	3.10	5.21	5.07	10.33	10.17	15.16	14.50	-	-

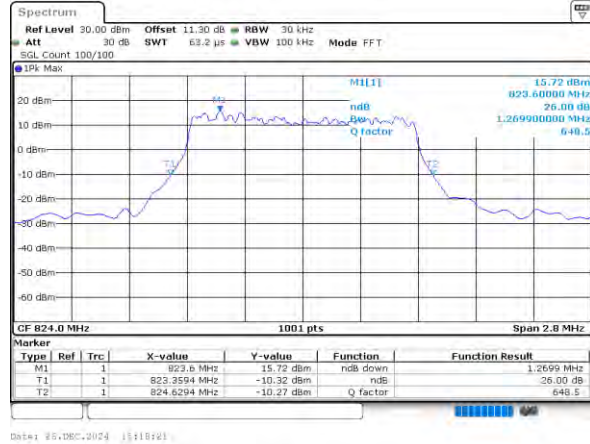


LTE Band 26

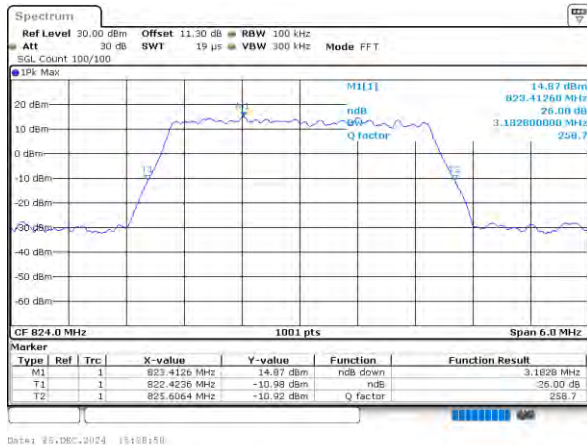
Middle Channel / 1.4MHz / QPSK



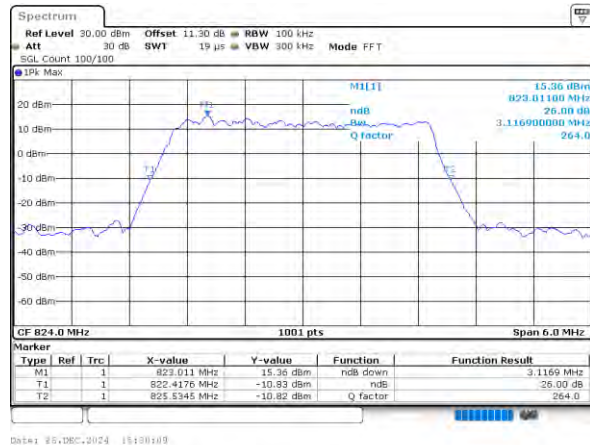
Middle Channel / 1.4MHz / 16QAM



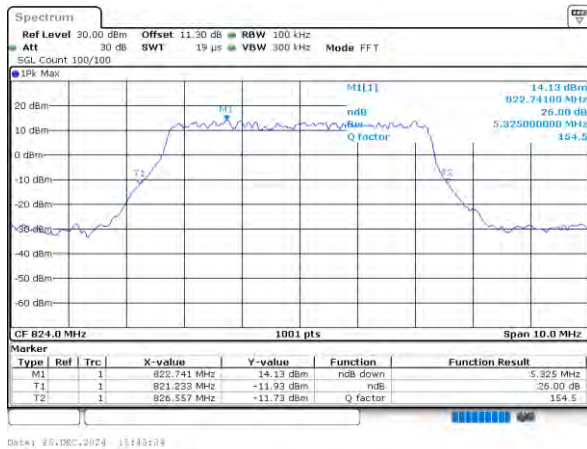
Middle Channel / 3MHz / QPSK



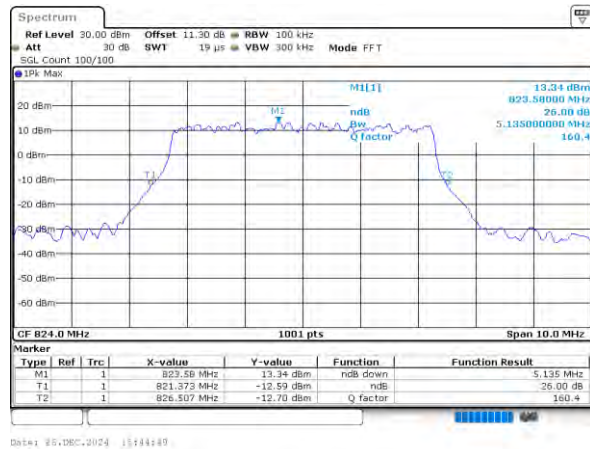
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



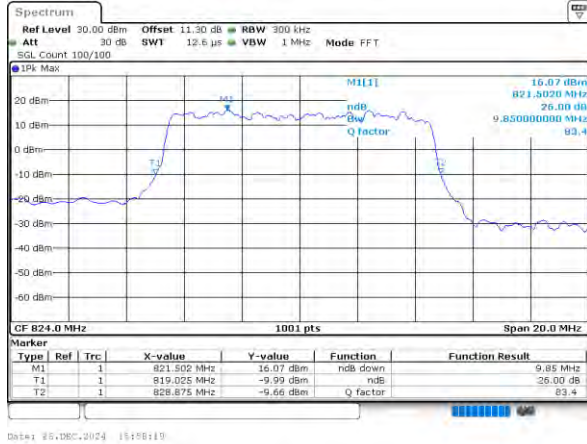
Middle Channel / 5MHz / 16QAM



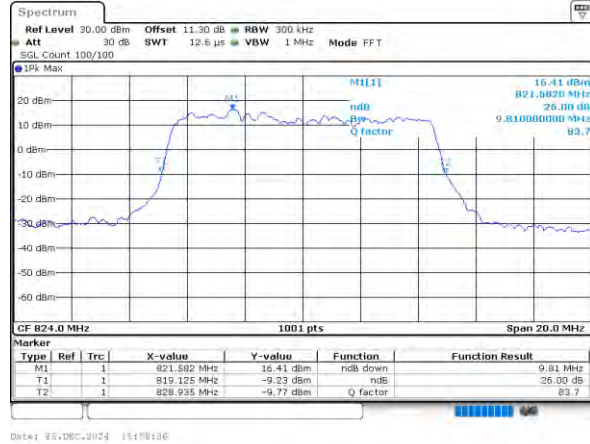


LTE Band 26

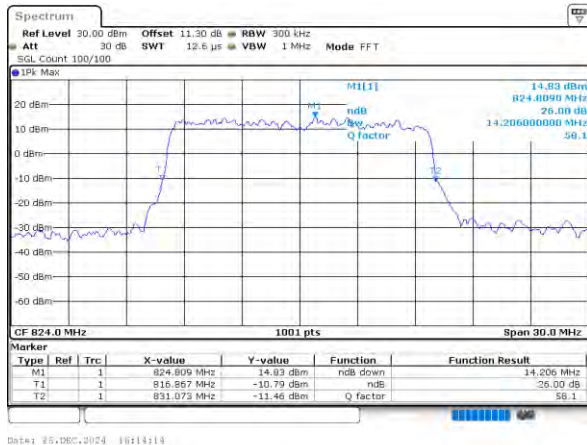
Middle Channel / 10MHz / QPSK



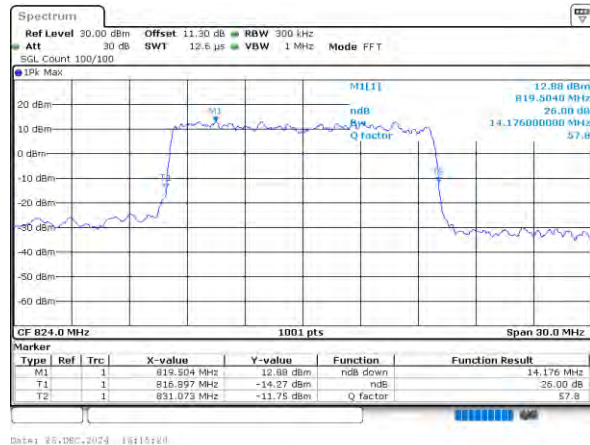
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



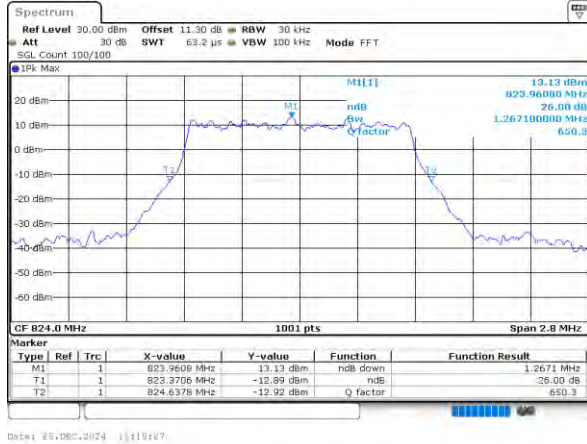
Middle Channel / 15MHz / 16QAM



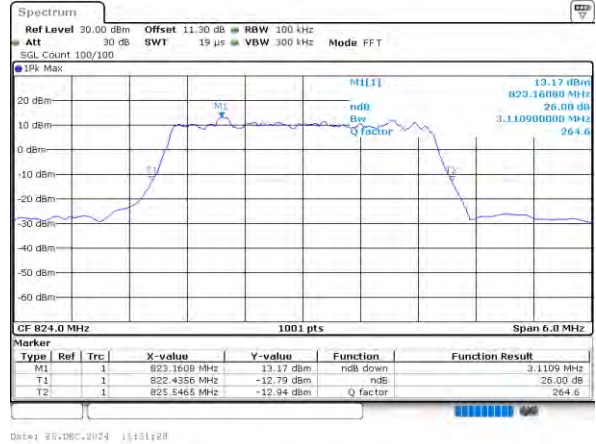


LTE Band 26

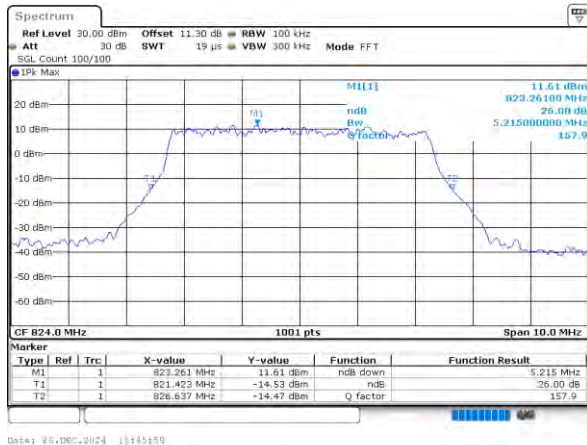
Middle Channel / 1.4MHz / 64QAM



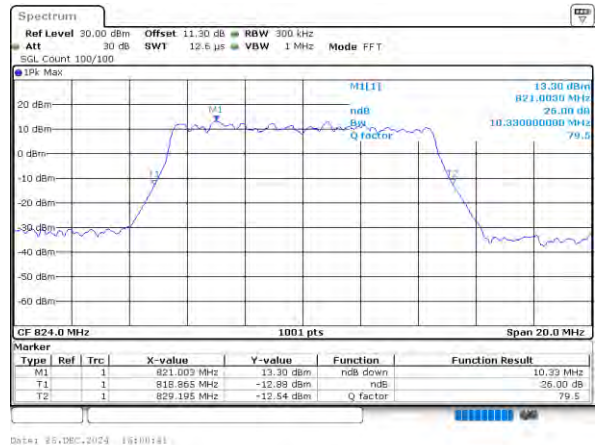
Middle Channel / 3MHz / 64QAM



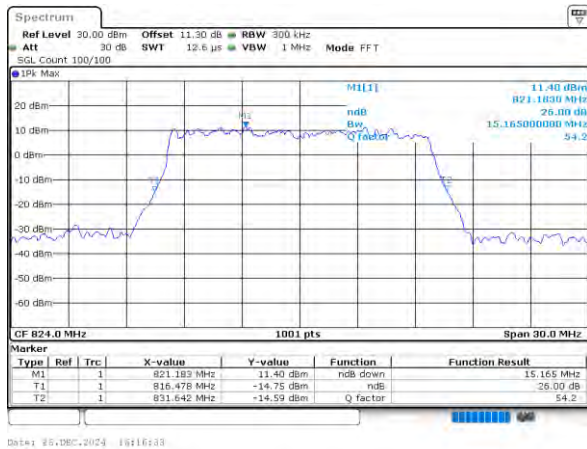
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM

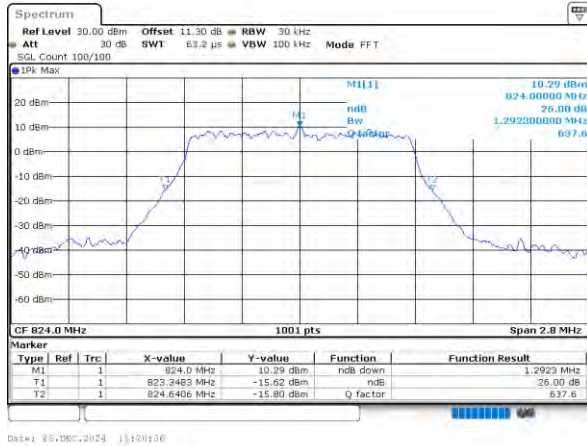


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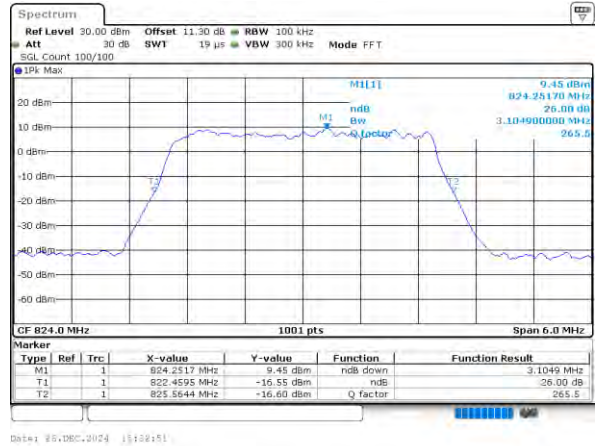


LTE Band 26

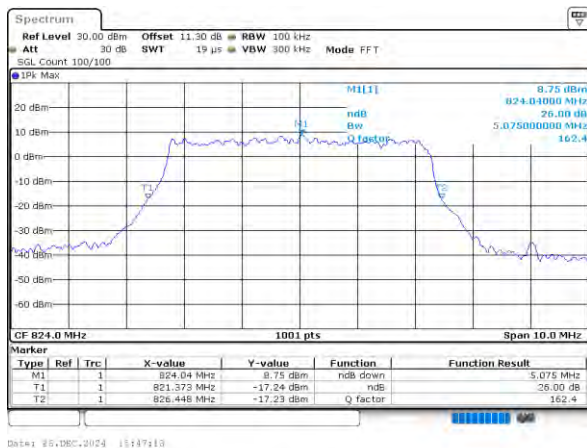
Middle Channel / 1.4MHz / 256QAM



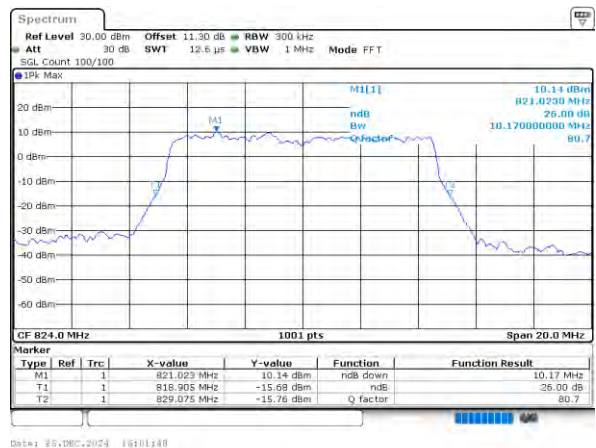
Middle Channel / 3MHz / 256QAM



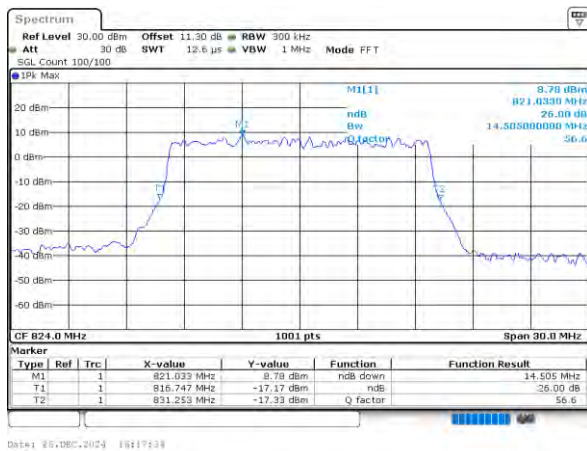
Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



N/A

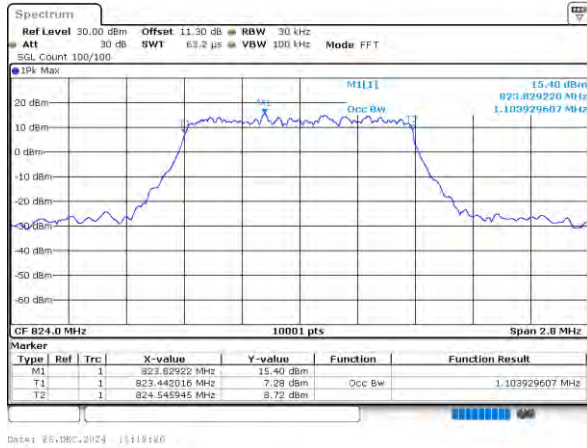
**Occupied Bandwidth**

Mode	LTE Band 26 : 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	1.10	1.09	2.73	2.74	4.47	4.48	9.09	8.98	13.45	13.44	-	-
Mode	LTE Band 26 : 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	1.10	1.09	2.73	2.71	4.52	4.50	9.00	9.10	13.47	13.49	-	-

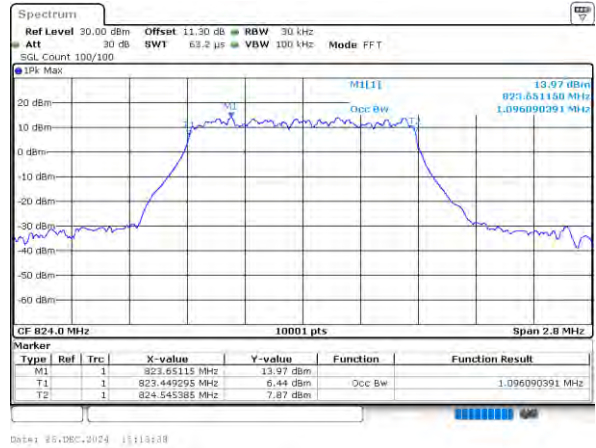


LTE Band 26

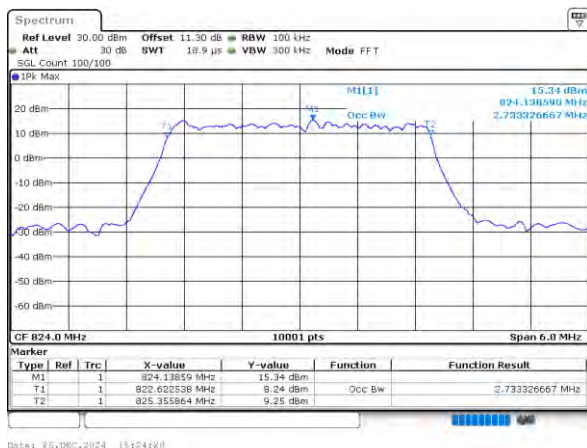
Middle Channel / 1.4MHz / QPSK



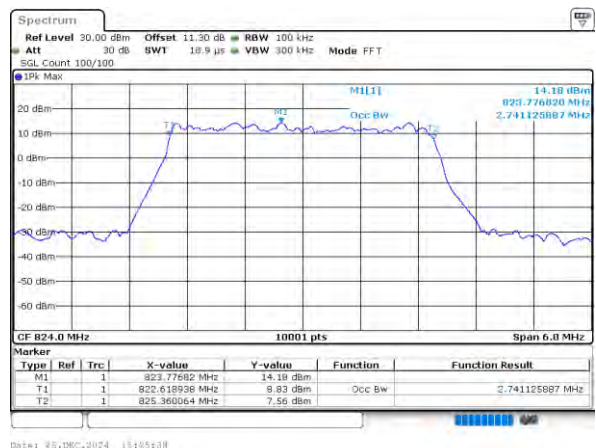
Middle Channel / 1.4MHz / 16QAM



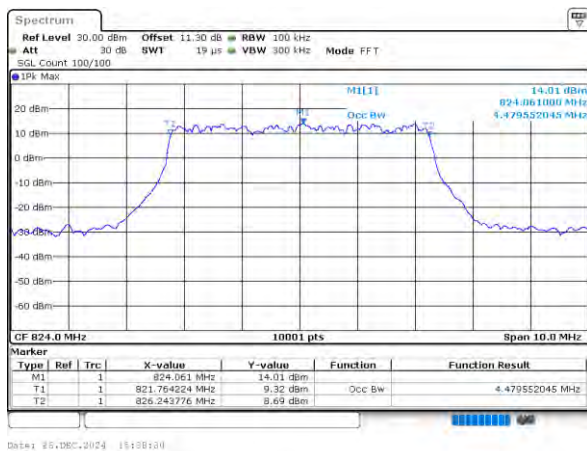
Middle Channel / 3MHz / QPSK



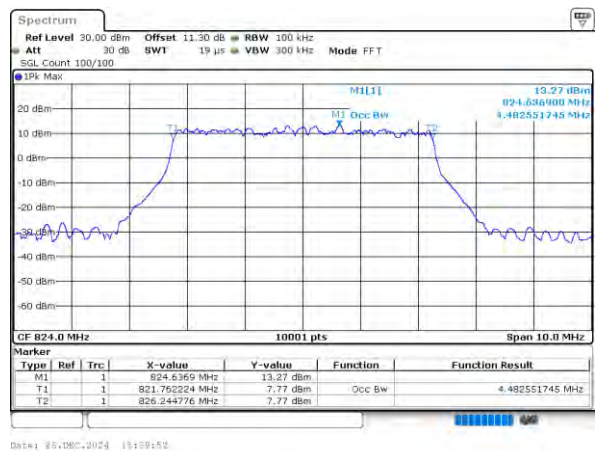
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



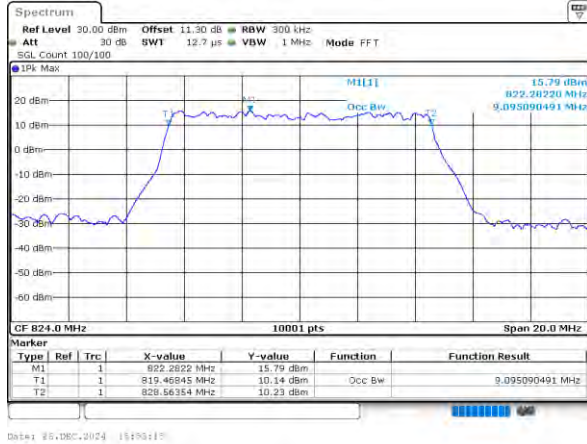
Middle Channel / 5MHz / 16QAM



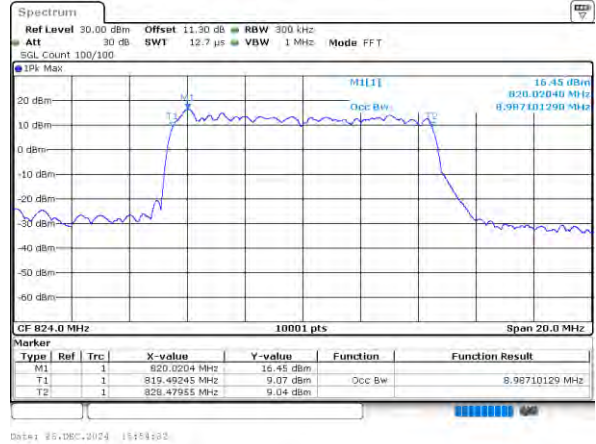


LTE Band 26

Middle Channel / 10MHz / QPSK



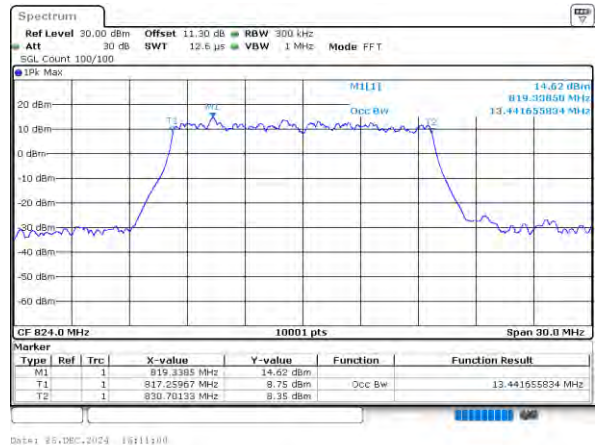
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



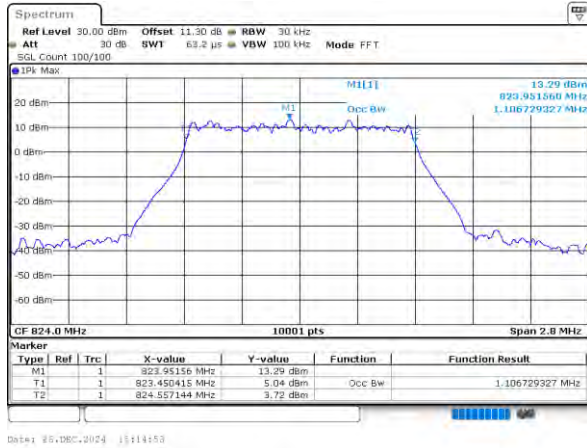
Middle Channel / 15MHz / 16QAM



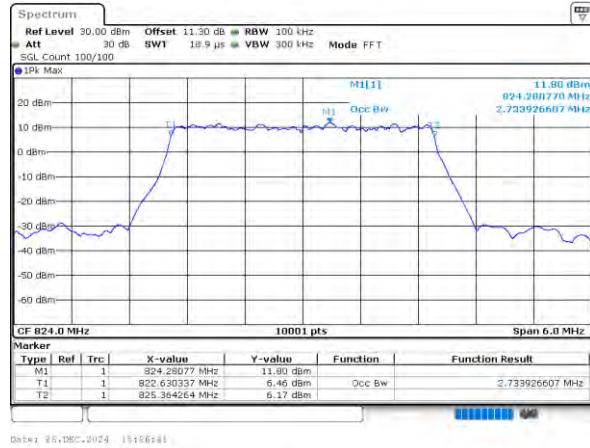


LTE Band 26

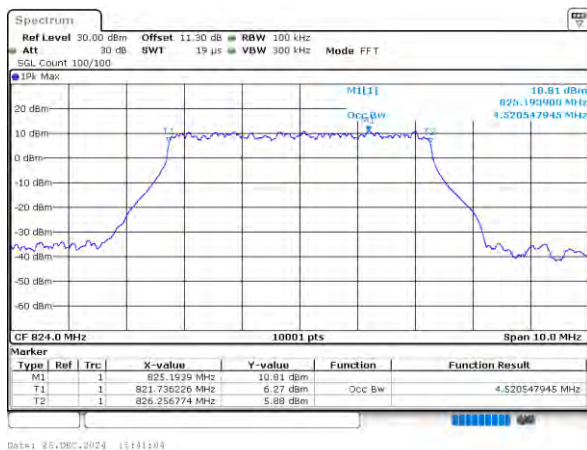
Middle Channel / 1.4MHz / 64QAM



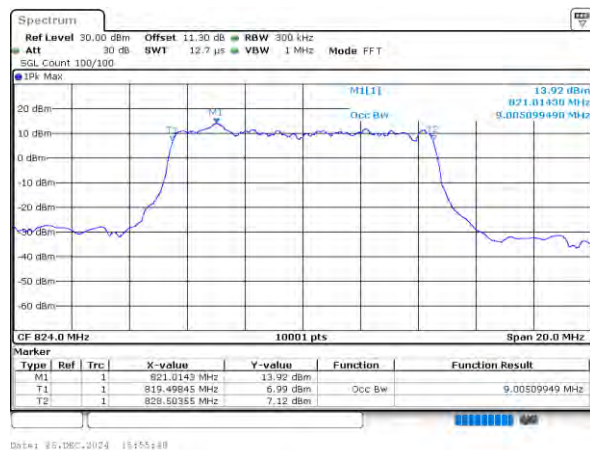
Middle Channel / 3MHz / 64QAM



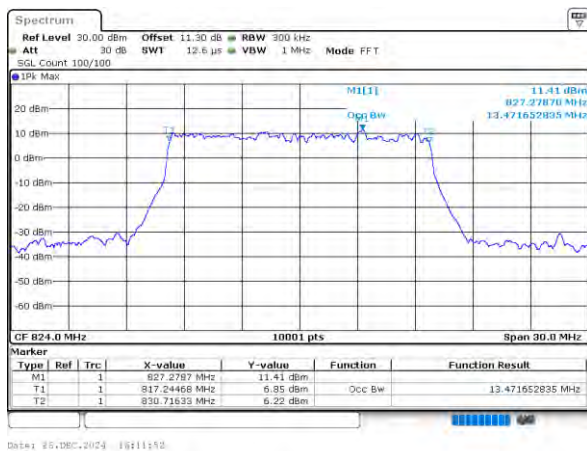
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM

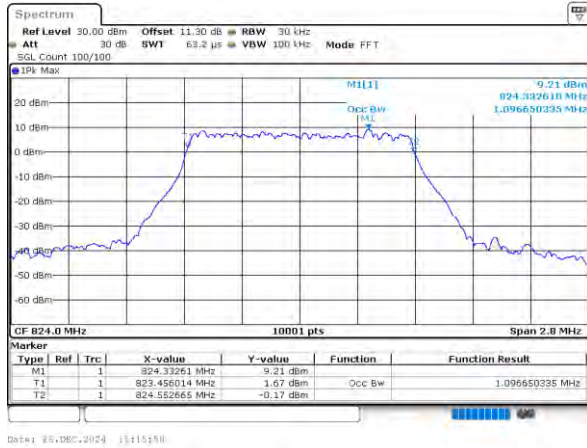


N/A

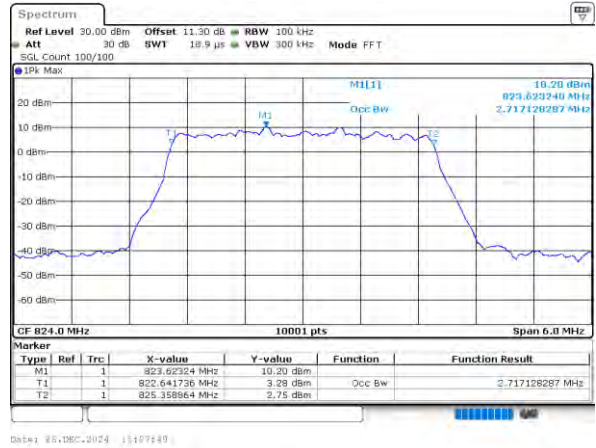


LTE Band 26

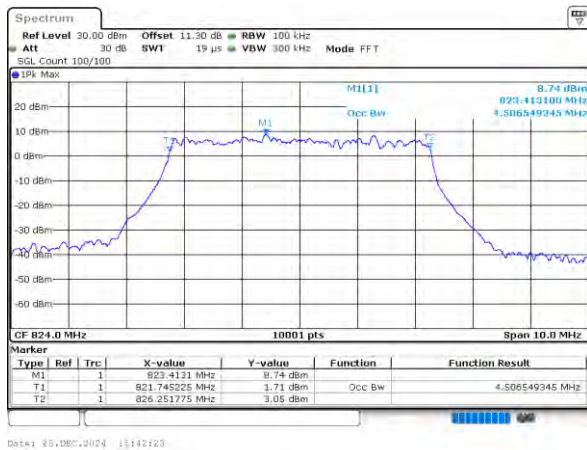
Middle Channel / 1.4MHz / 256QAM



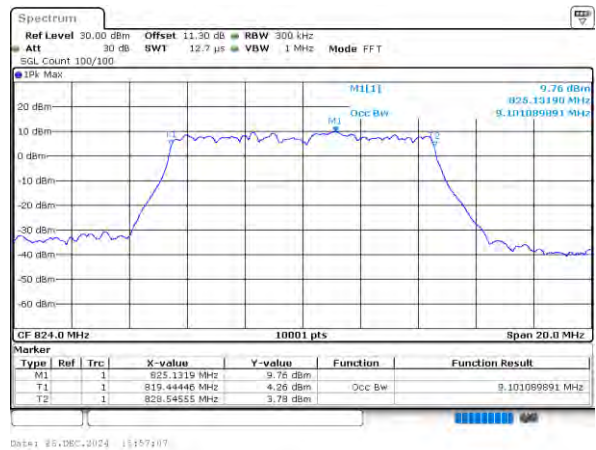
Middle Channel / 3MHz / 256QAM



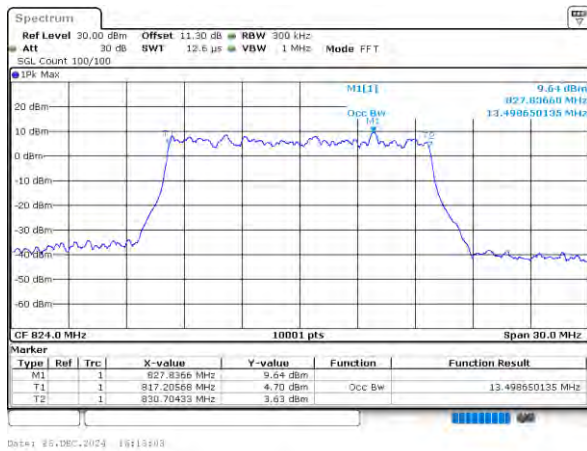
Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



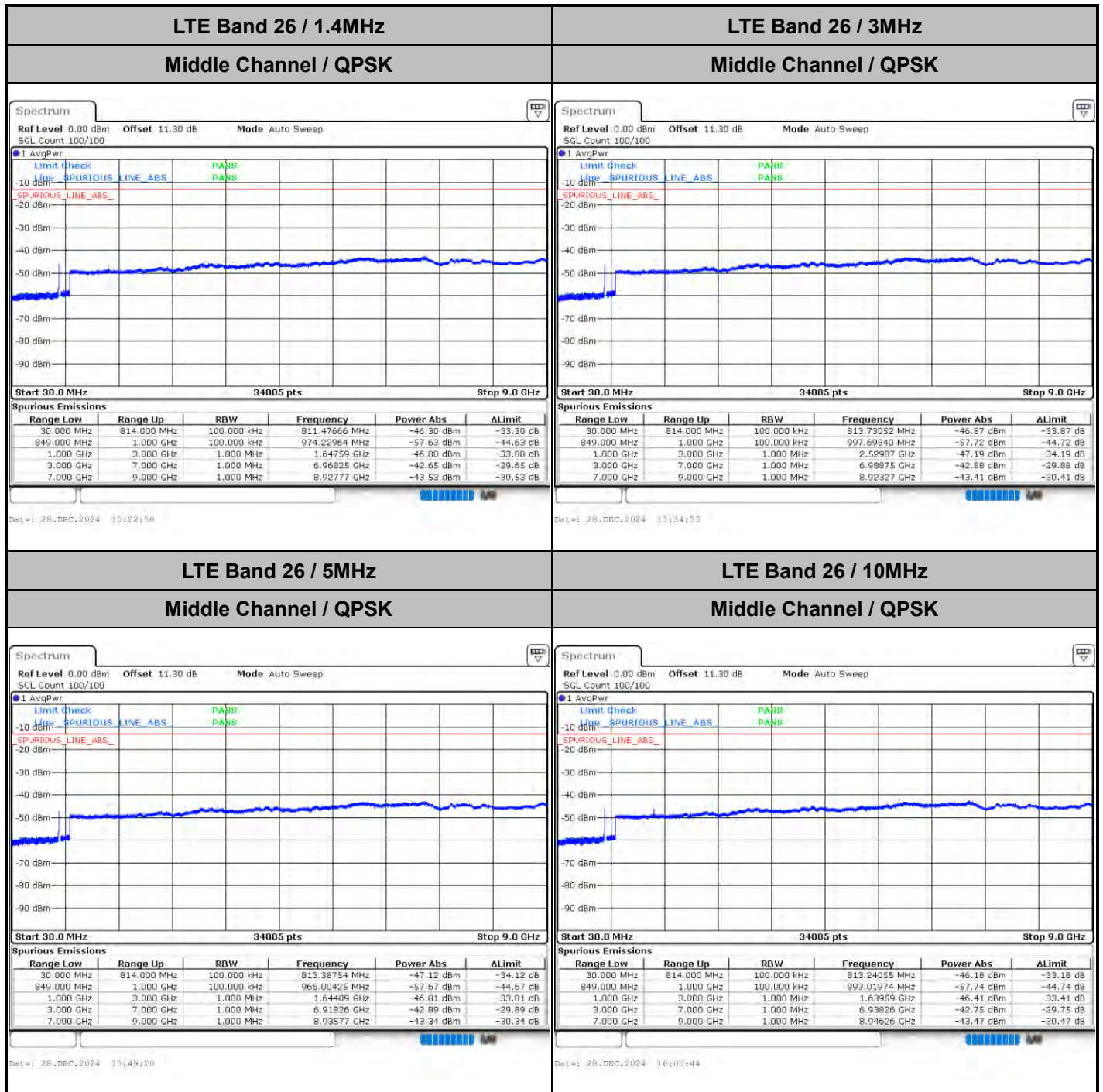
Middle Channel /15MHz / 256QAM

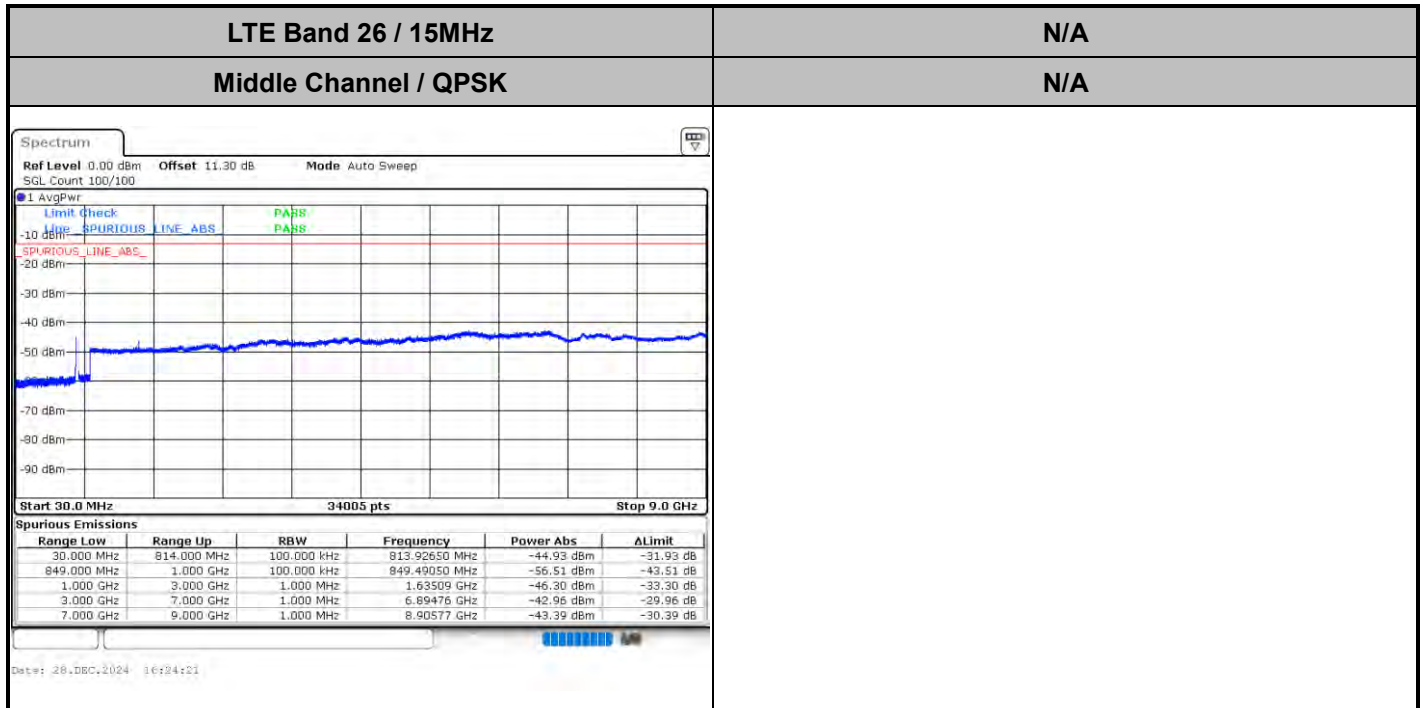


N/A



Conducted Spurious Emission





Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
55	Normal Voltage	0.0065	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0040	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0104	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0012	

Note: Normal Voltage = 3.89 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.

Test Conditions		LTE Band 26 (QPSK) / Low Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	2.5ppm
		Deviation (ppm)	Result
55	Normal Voltage	0.0030	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0046	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0040	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0016	

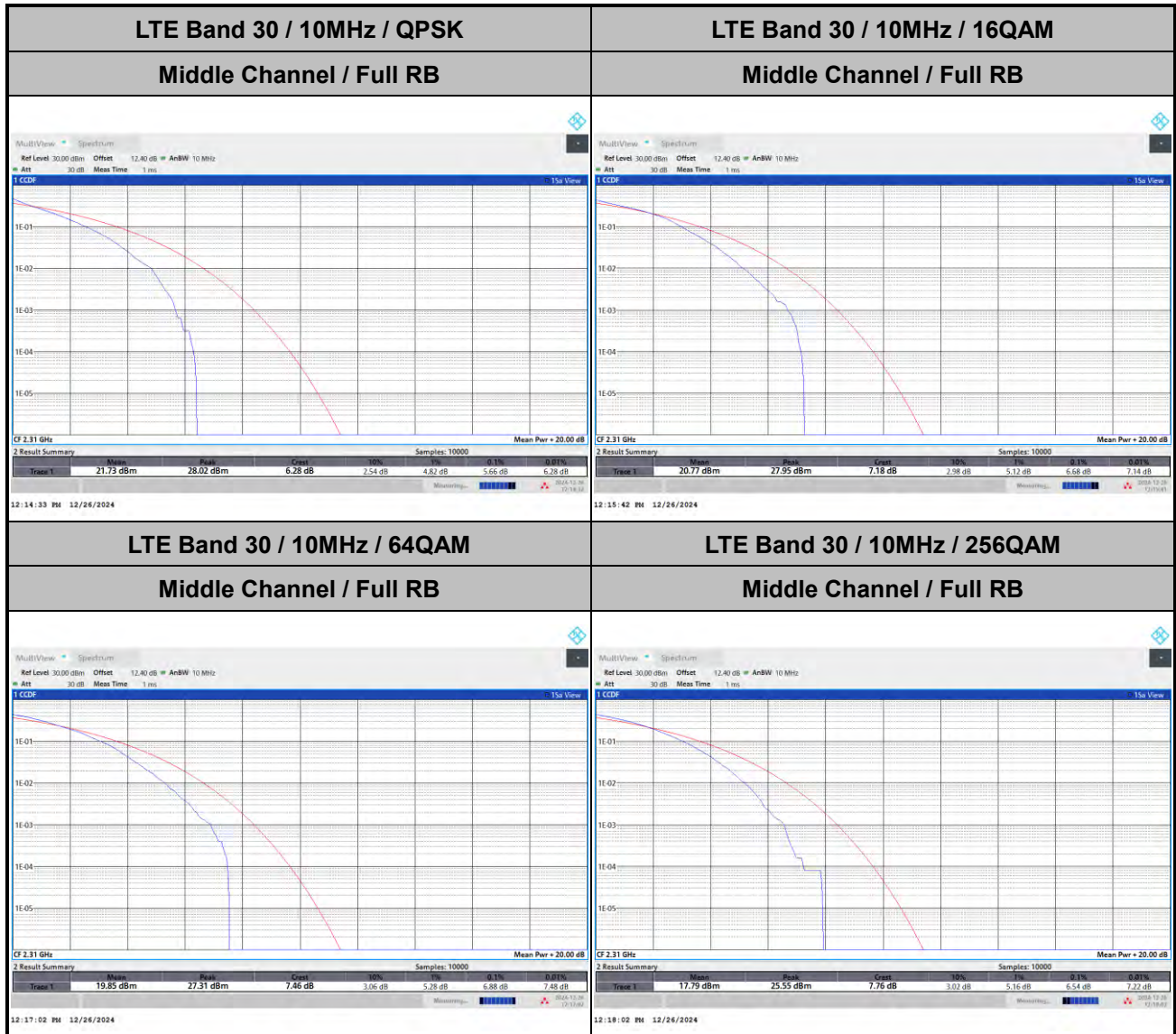
Note: Normal Voltage = 3.89 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.



LTE Band 30

Peak-to-Average Ratio

Mode	LTE Band 30 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.66	6.68	6.88	6.54	PASS



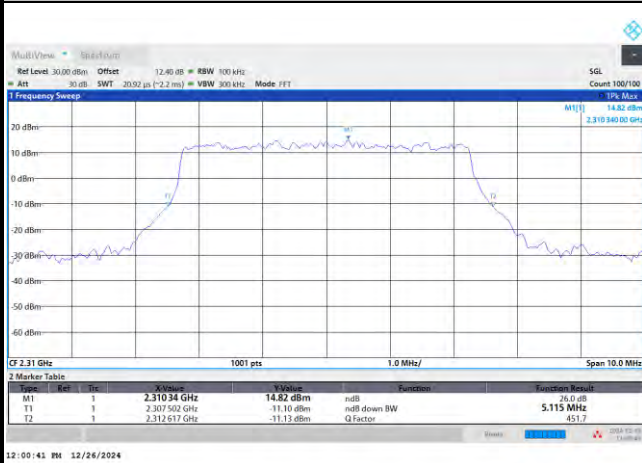
**26dB Bandwidth**

Mode	LTE Band 30 : 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	-	-	-	-	5.11	5.33	9.71	9.91	-	-	-	-
Mode	LTE Band 30 : 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	-	-	-	-	5.04	4.90	10.33	10.17	-	-	-	-

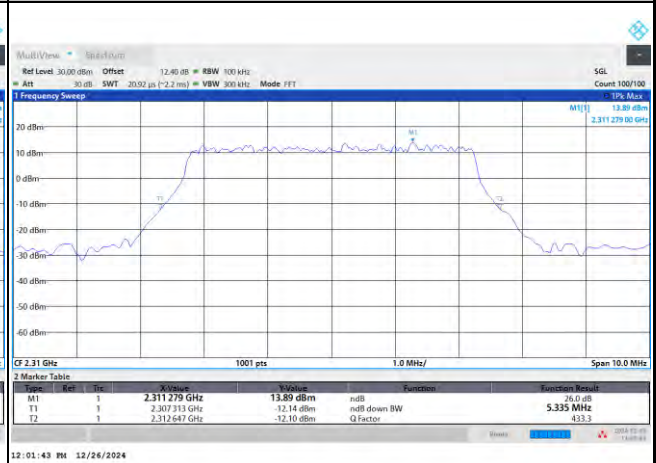


LTE Band 30

Middle Channel / 5MHz / QPSK



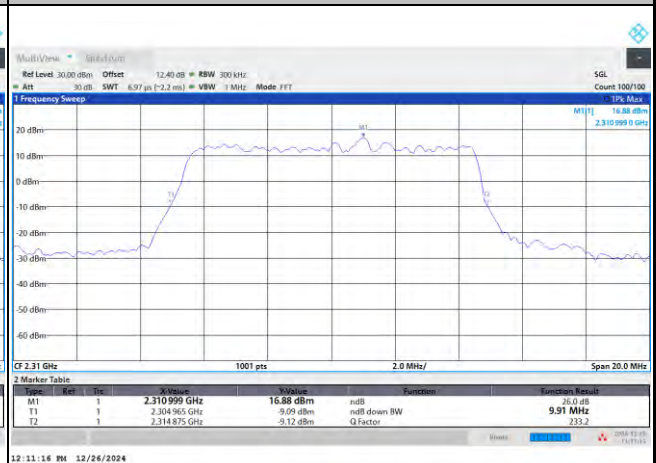
Middle Channel / 5MHz / 16QAM



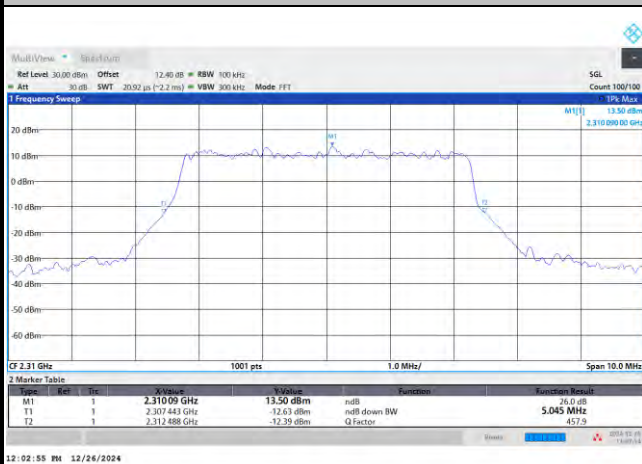
Middle Channel / 10MHz / QPSK



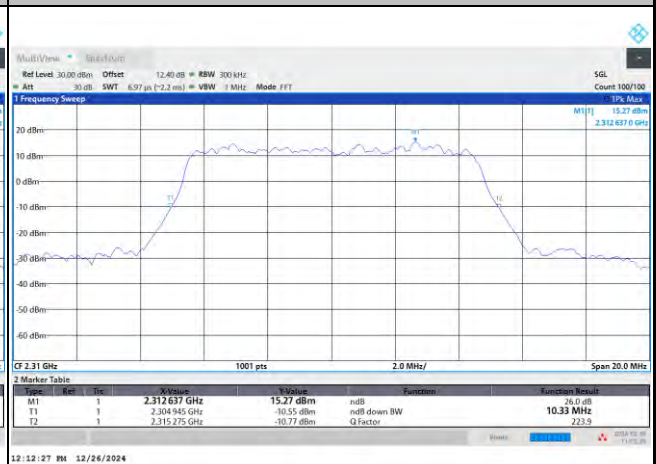
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



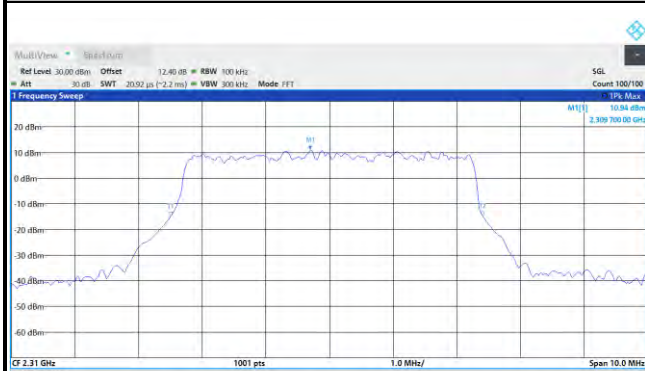
Middle Channel / 10MHz / 64QAM





LTE Band 30

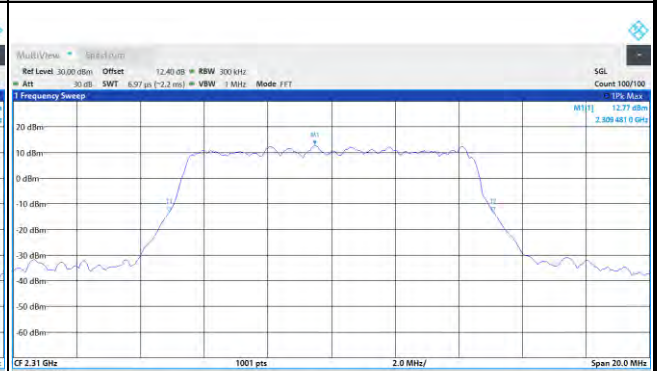
Middle Channel / 5MHz / 256QAM



Type	Ref	Freq	Power	Unit	Function	Function Result
M1	1	2.3075 GHz	10.94 dBm	dBm		26.0 dB
T1	1	2.307502 GHz	14.96 dBm	dBm	dB down BW	4.905 MHz
T2	1	2.312408 GHz	-14.87 dBm	Q Factor		470.3

12:04:01 PM 12/26/2024

Middle Channel / 10MHz / 256QAM



Type	Ref	Freq	Power	Unit	Function	Function Result
M1	1	2.30481 GHz	12.77 dBm	dBm		26.0 dB
T1	1	2.304905 GHz	-13.28 dBm	dB down BW		10.17 MHz
T2	1	2.315075 GHz	-13.14 dBm	Q Factor		227.1

12:13:31 PM 12/26/2024

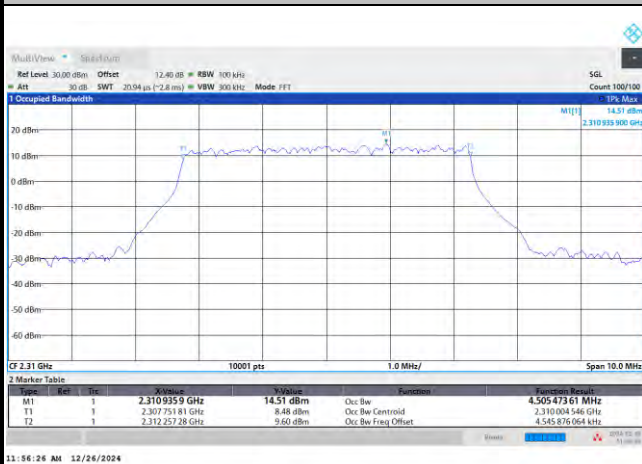
**Occupied Bandwidth**

Mode	LTE Band 30 : 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	4.49	9.12	9.01	-	-	-	-
Mode	LTE Band 30 : 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	9.11	9.04	-	-	-	-

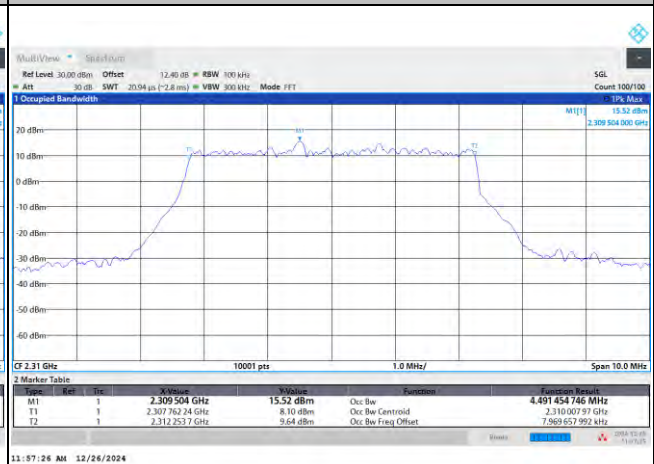


LTE Band 30

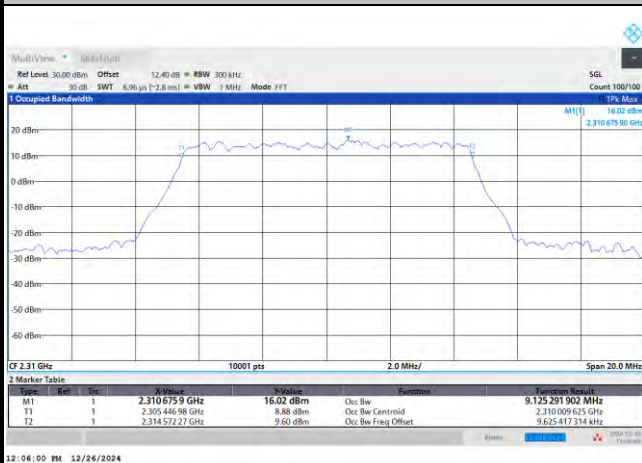
Middle Channel / 5MHz / QPSK



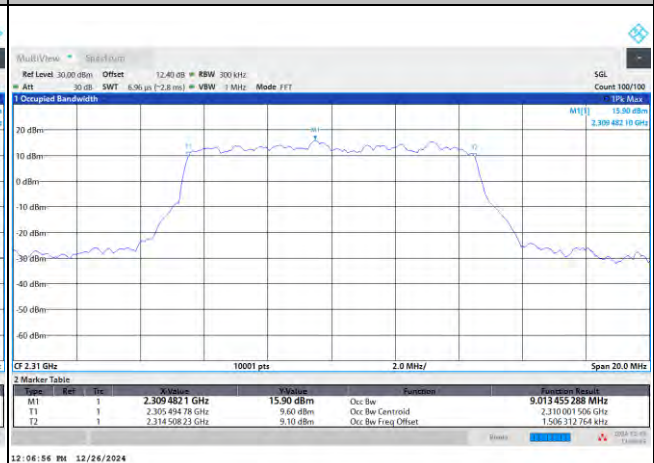
Middle Channel / 5MHz / 16QAM



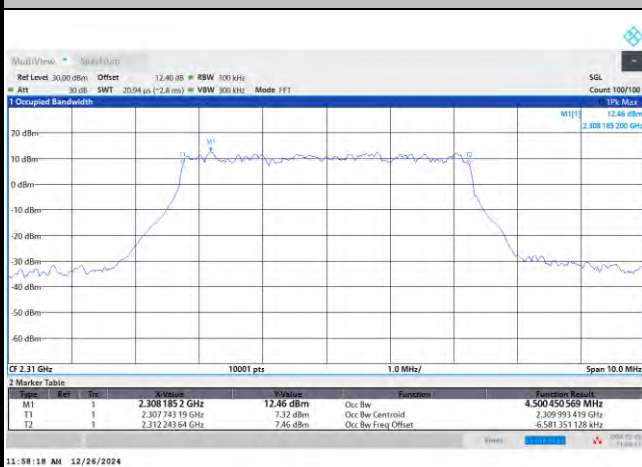
Middle Channel / 10MHz / QPSK



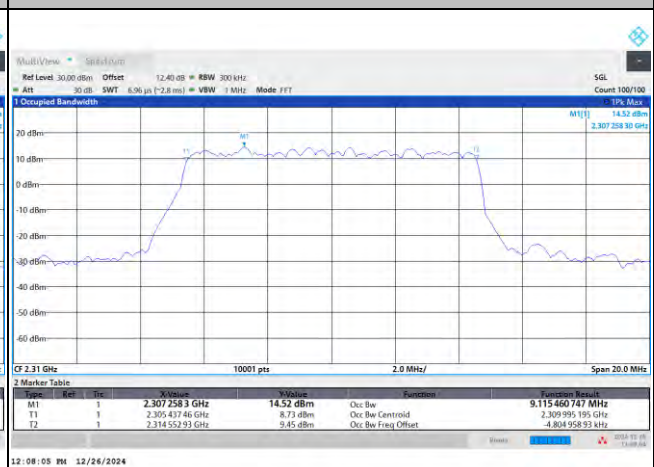
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



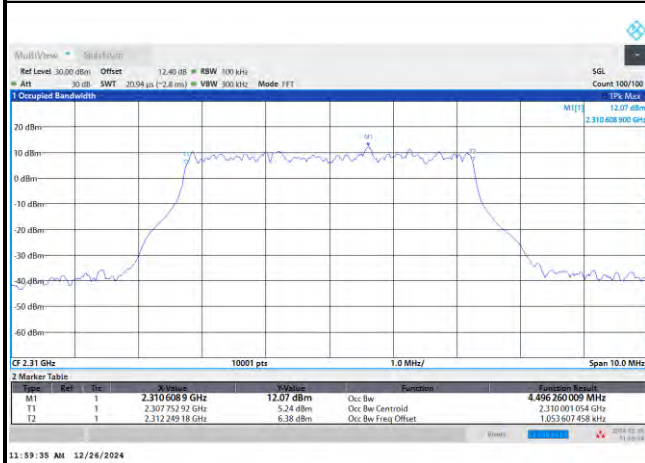
Middle Channel / 10MHz / 64QAM



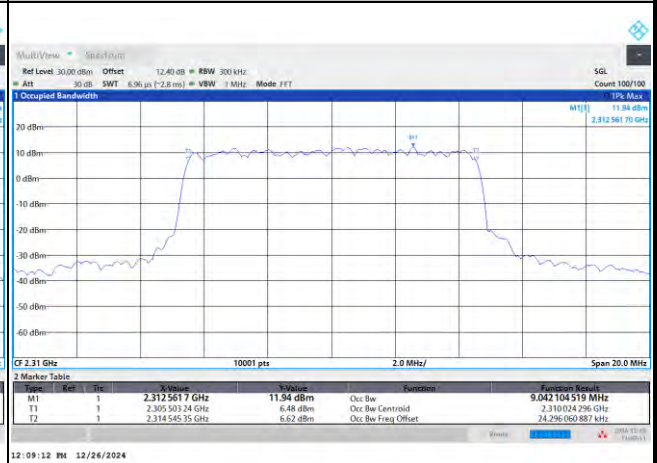


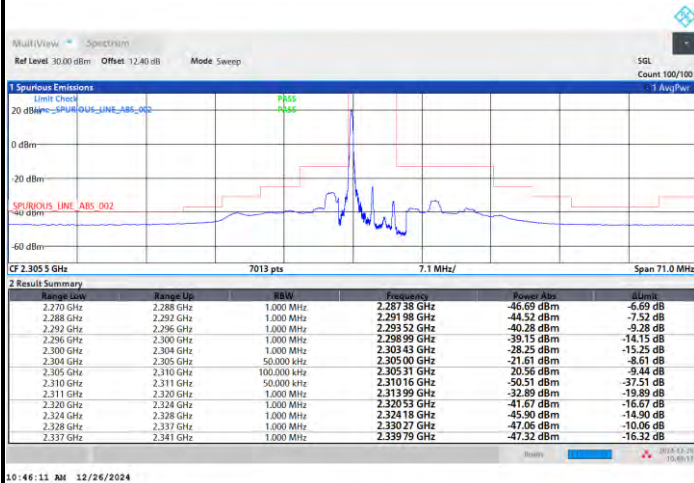
LTE Band 30

Middle Channel / 5MHz / 256QAM

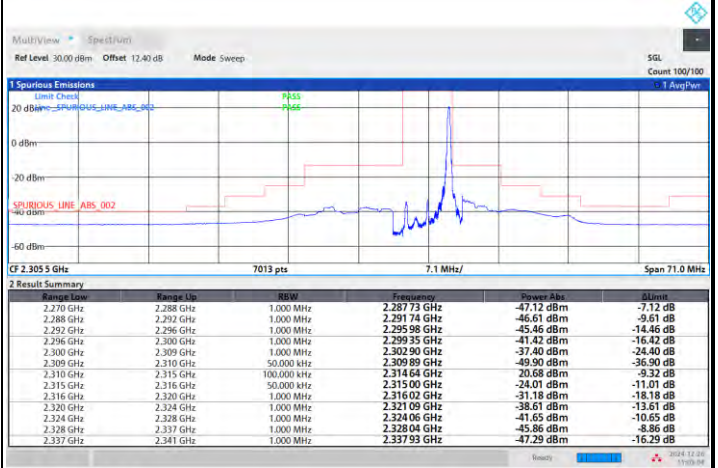


Middle Channel / 10MHz / 256QAM

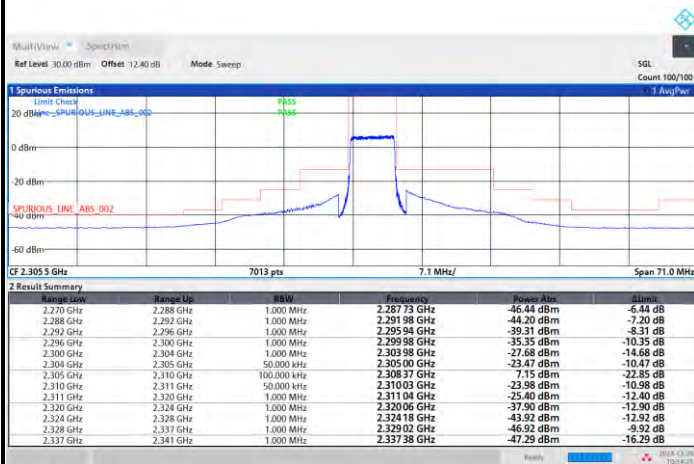


**Conducted Band Edge****LTE Band 30 / 5MHz / QPSK****Lowest Band Edge / 1 RB**

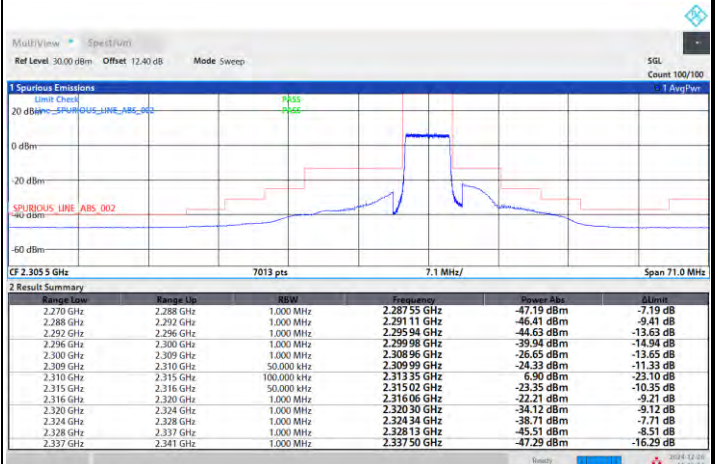
10:46:11 AM 12/26/2024

Highest Band Edge / 1 RB

11:03:04 AM 12/26/2024

Lowest Band Edge / Full RB

10:54:26 AM 12/26/2024

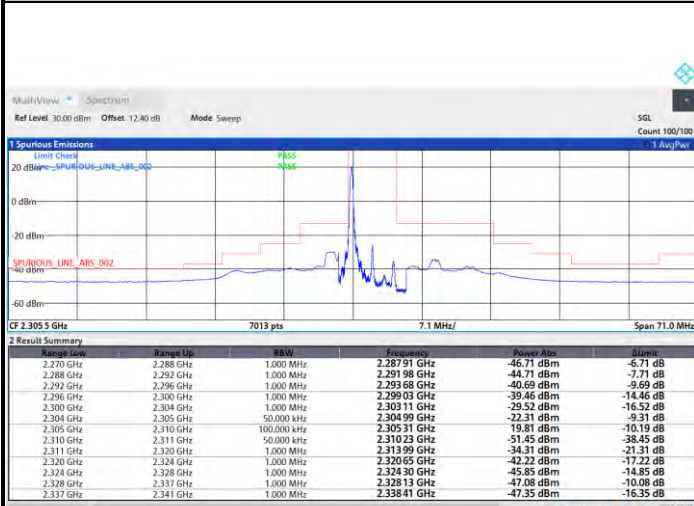
Highest Band Edge / Full RB

11:11:45 AM 12/26/2024



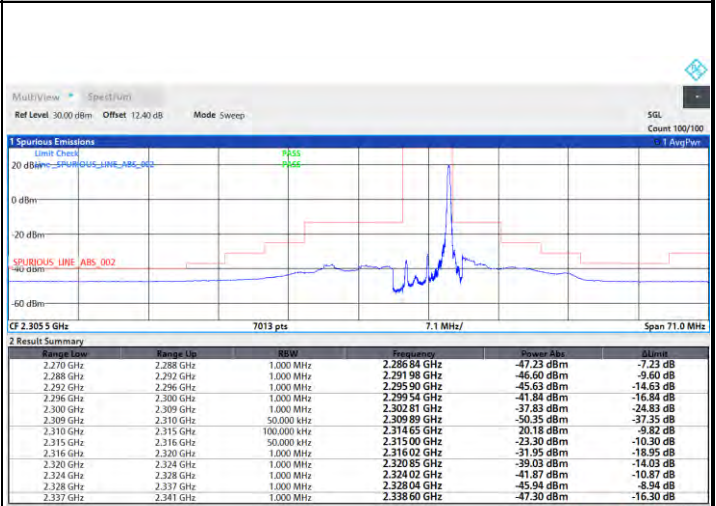
LTE Band 30 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



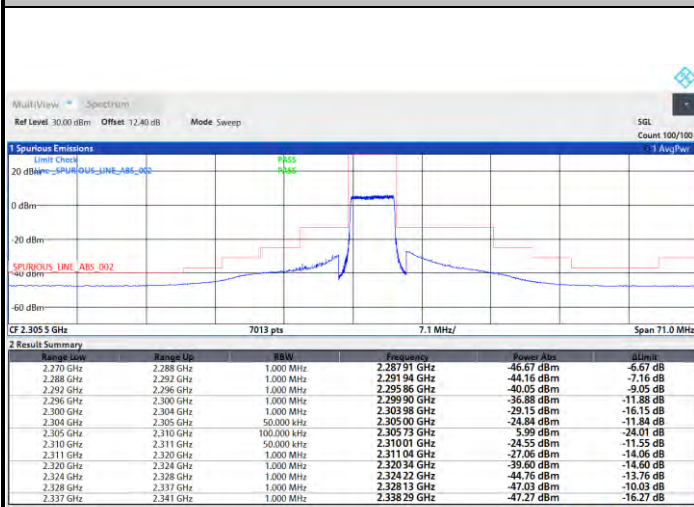
10:48:31 AM 12/26/2024

Highest Band Edge / 1 RB



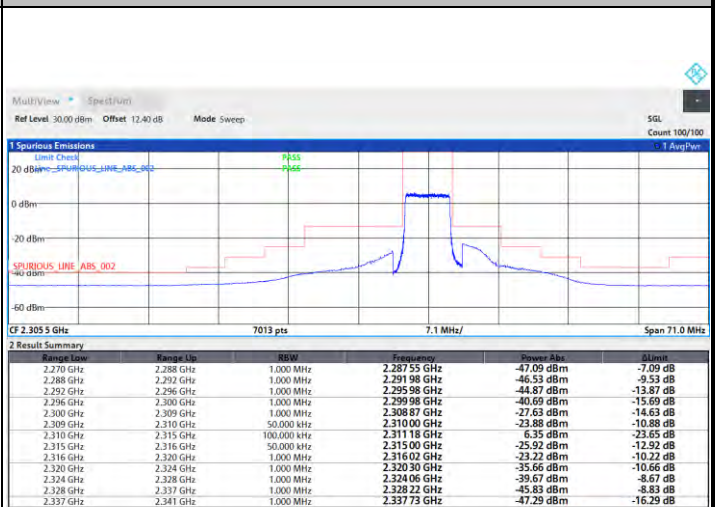
11:05:28 AM 12/26/2024

Lowest Band Edge / Full RB



10:56:23 AM 12/26/2024

Highest Band Edge / Full RB

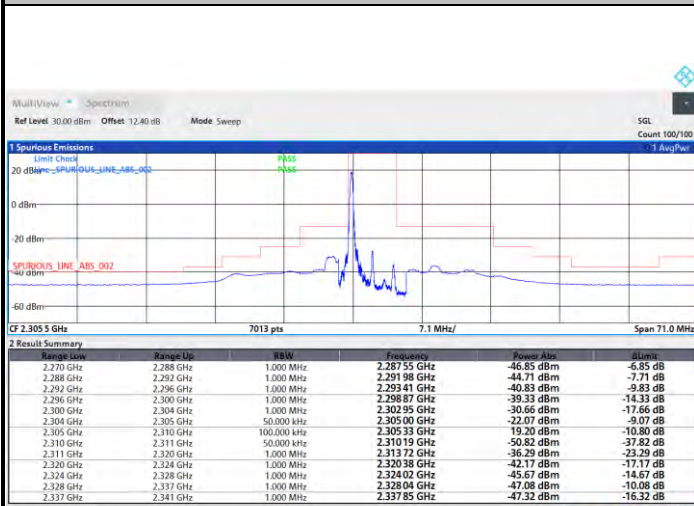


11:13:57 AM 12/26/2024

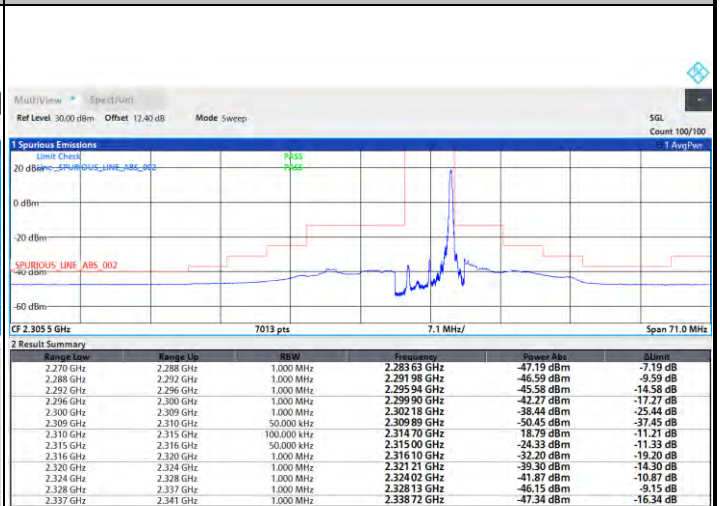


LTE Band 30 / 5MHz / 64QAM

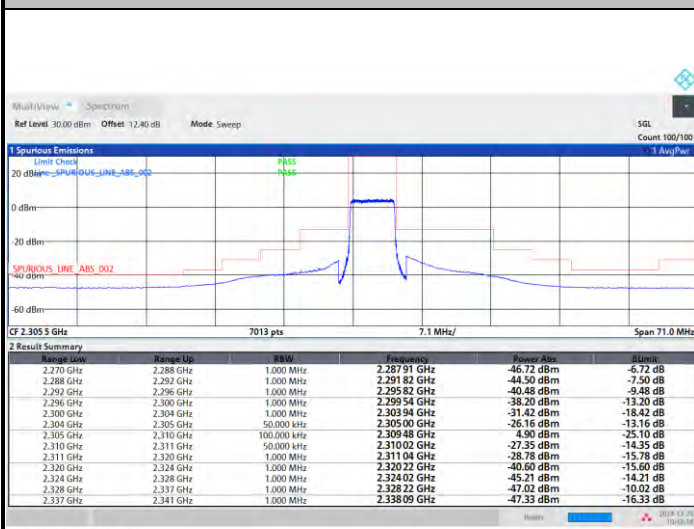
Lowest Band Edge / 1 RB



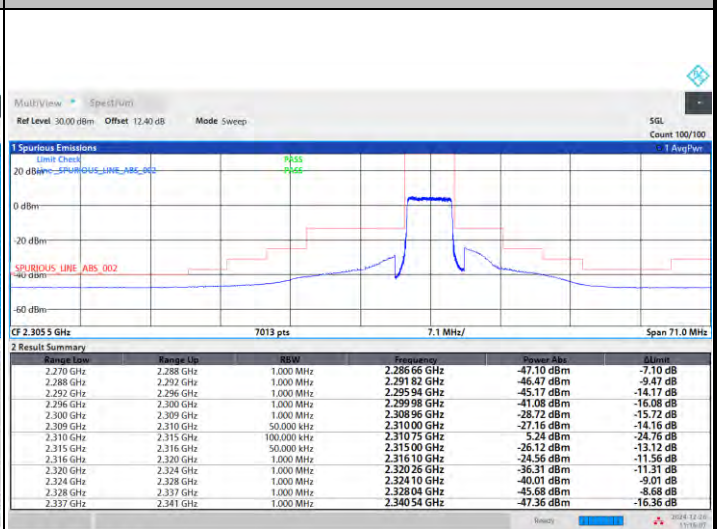
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



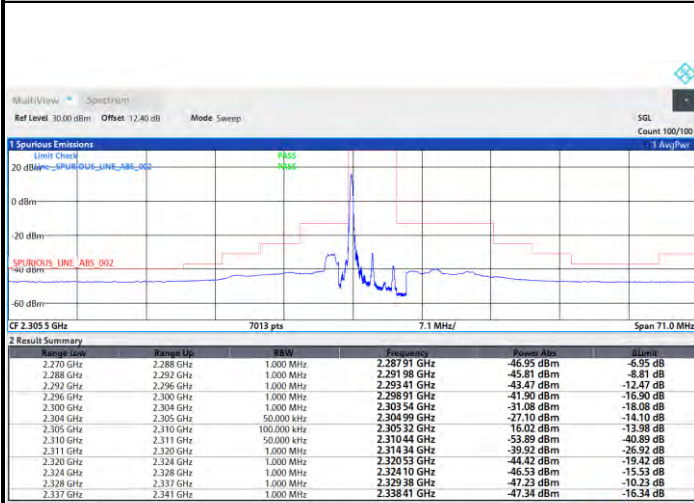
Highest Band Edge / Full RB





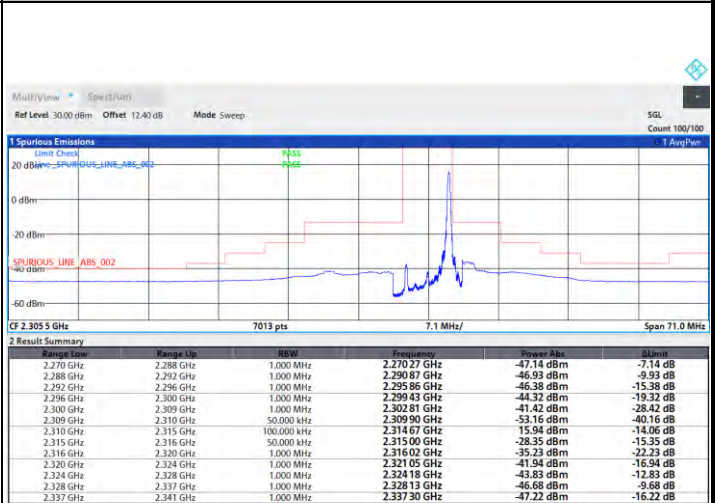
LTE Band 30 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



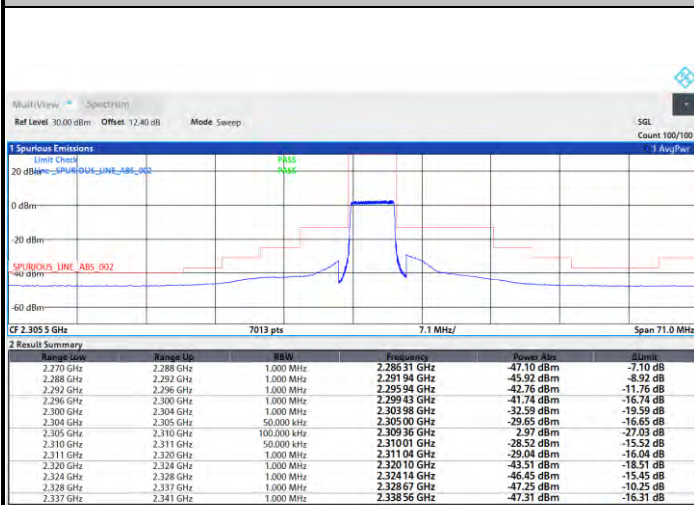
10:52:36 AM 12/26/2024

Highest Band Edge / 1 RB



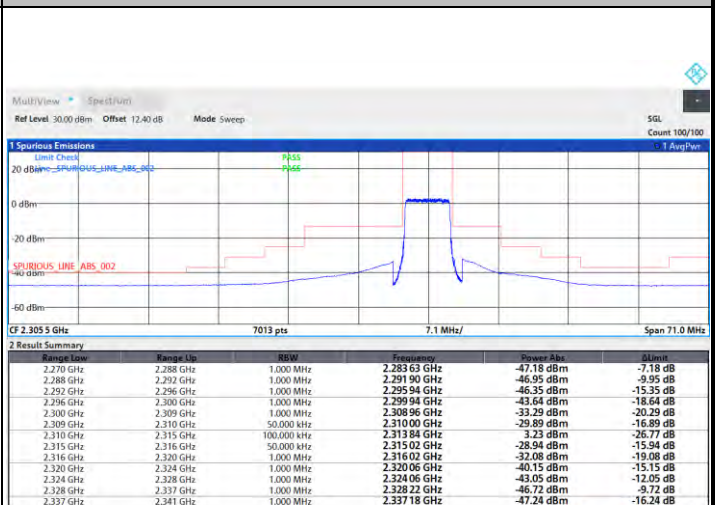
11:09:36 AM 12/26/2024

Lowest Band Edge / Full RB



11:00:45 AM 12/26/2024

Highest Band Edge / Full RB

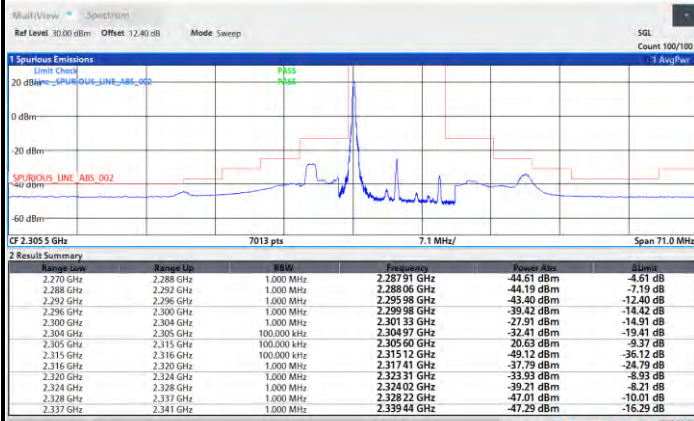


11:18:15 AM 12/26/2024

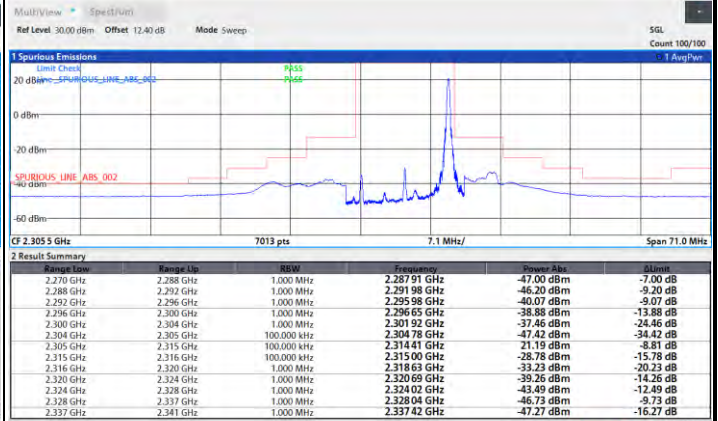


LTE Band 30 / 10MHz / QPSK

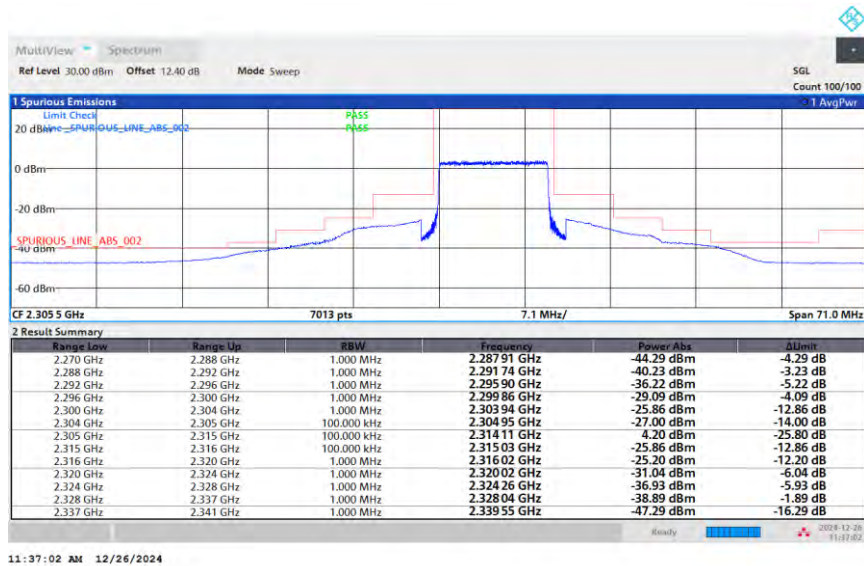
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



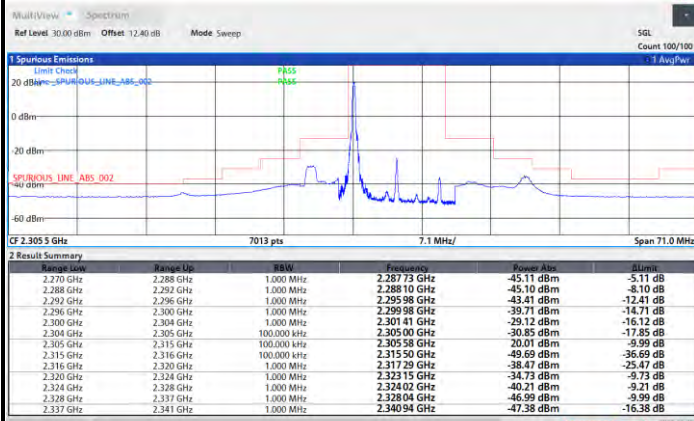
Band Edge / Full RB



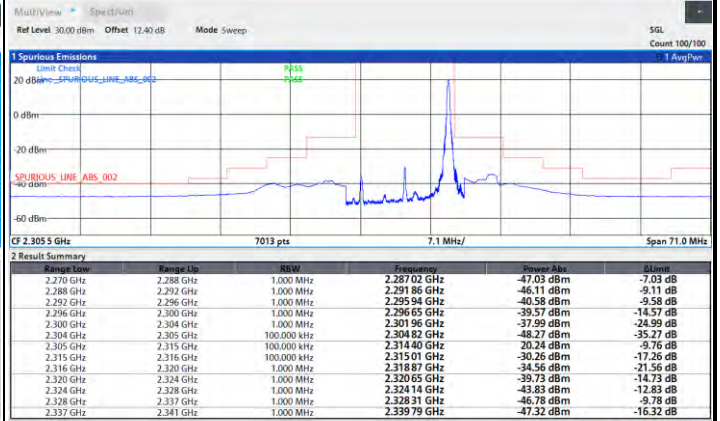


LTE Band 30 / 10MHz / 16QAM

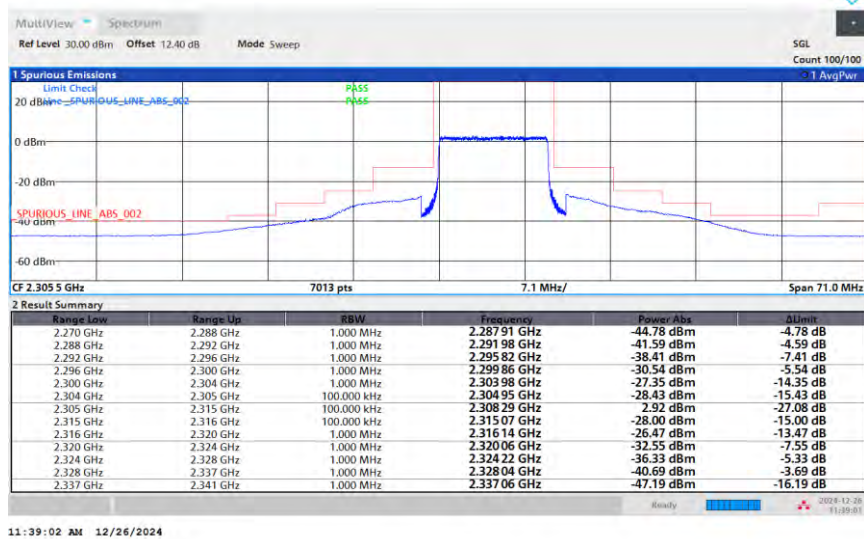
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



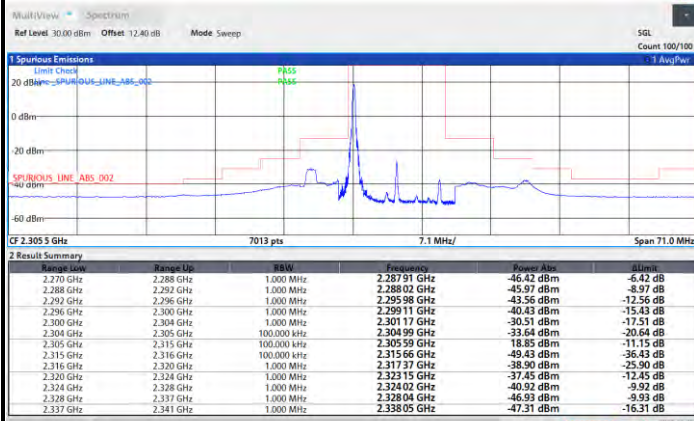
Band Edge / Full RB



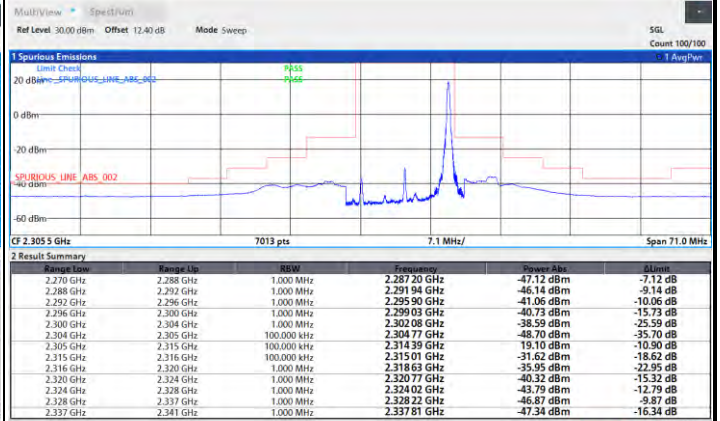


LTE Band 30 / 10MHz / 64QAM

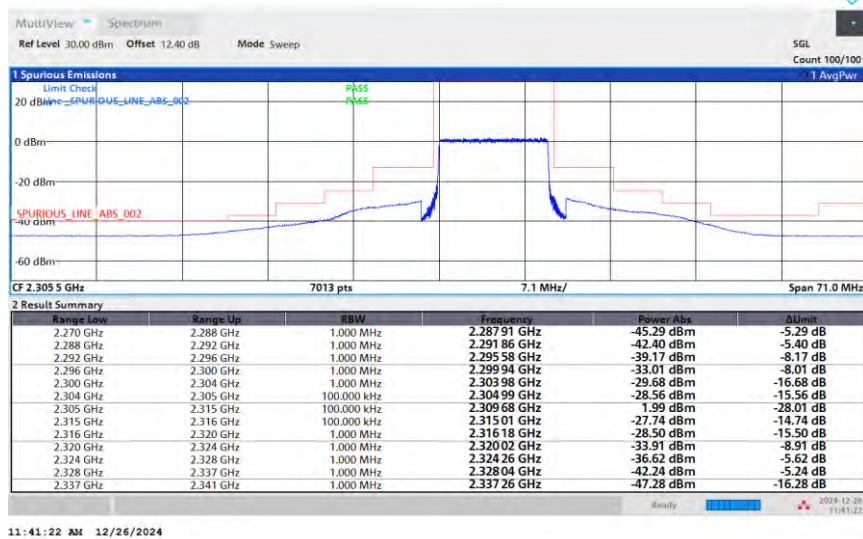
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



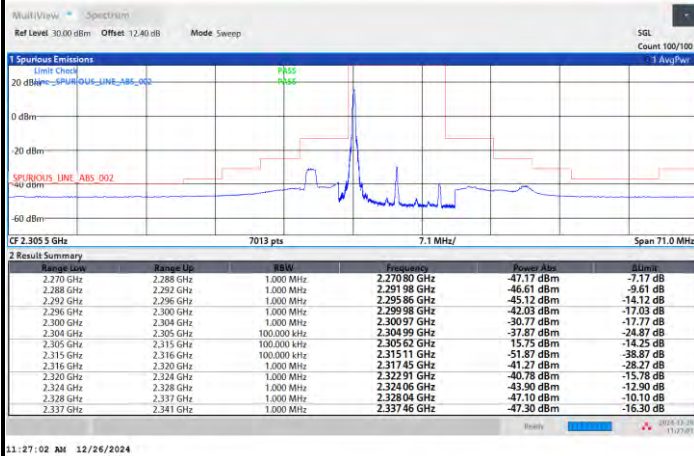
Band Edge / Full RB



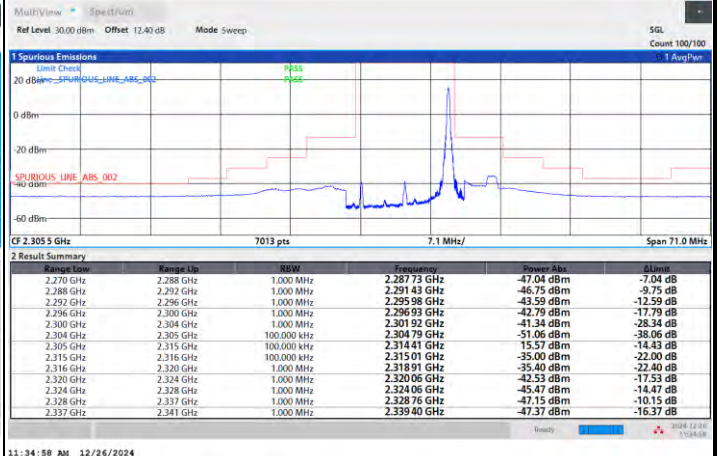


LTE Band 30 / 10MHz / 256QAM

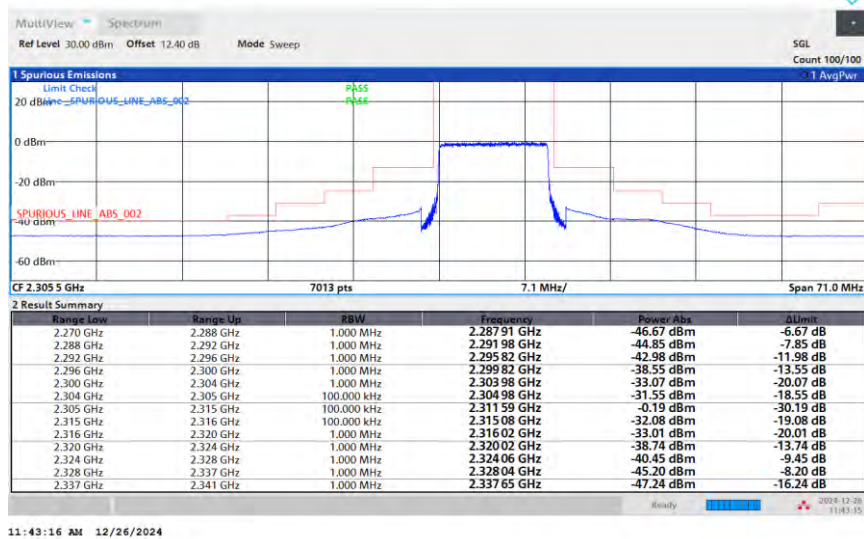
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Band Edge / Full RB

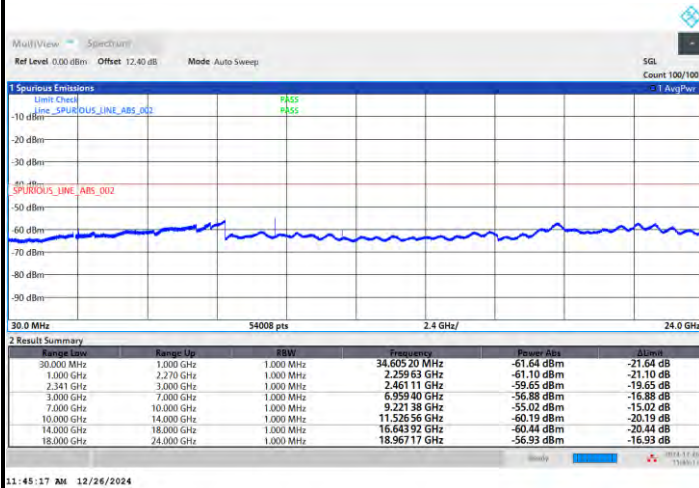




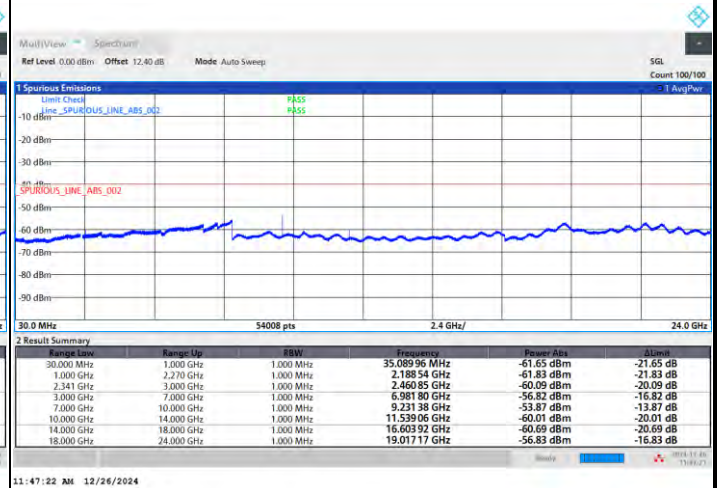
Conducted Spurious Emission

LTE Band 30 / 5MHz

Lowest Channel / QPSK



Middle Channel / QPSK



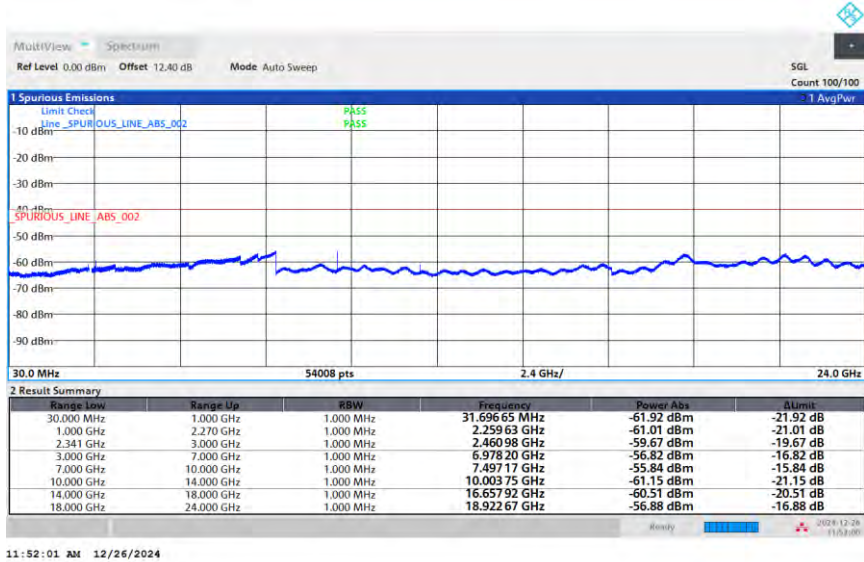
Highest Channel / QPSK





LTE Band 30 / 10MHz

Middle Channel / QPSK



Frequency Stability

Test Conditions		LTE Band 30 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
55	Normal Voltage	0.0000	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0003	

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 38

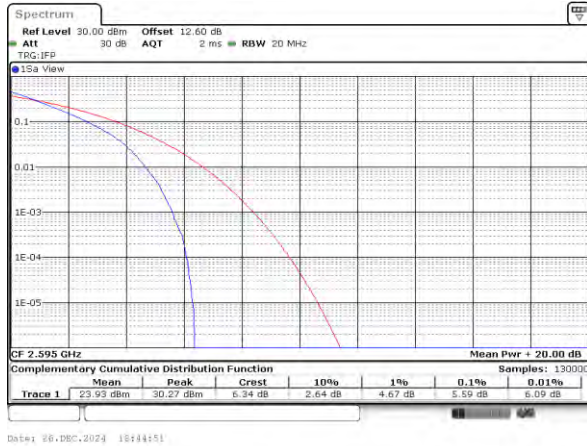
Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.59	6.46	6.78	6.87	PASS



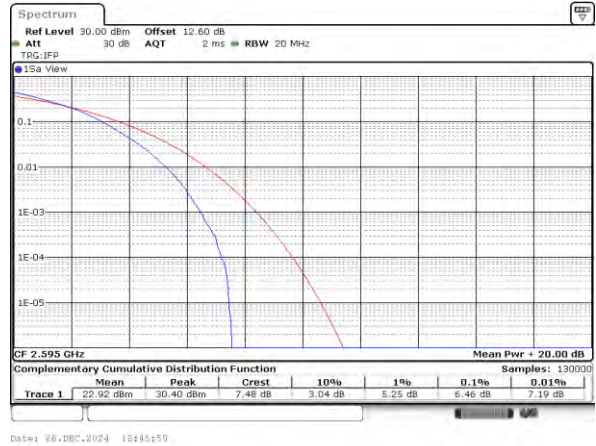
LTE Band 38 / 20MHz / QPSK

Middle Channel / Full RB



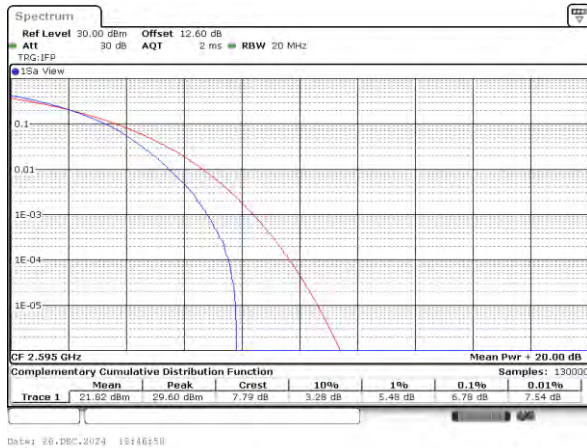
LTE Band 38 / 20MHz / 16QAM

Middle Channel / Full RB



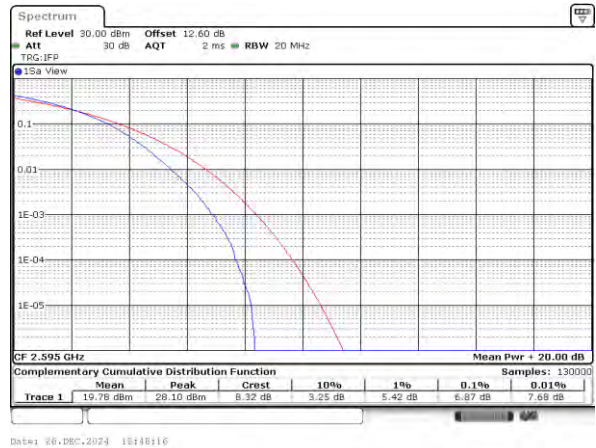
LTE Band 38 / 20MHz / 64QAM

Middle Channel / Full RB



LTE Band 38 / 20MHz / 256QAM

Middle Channel / Full RB



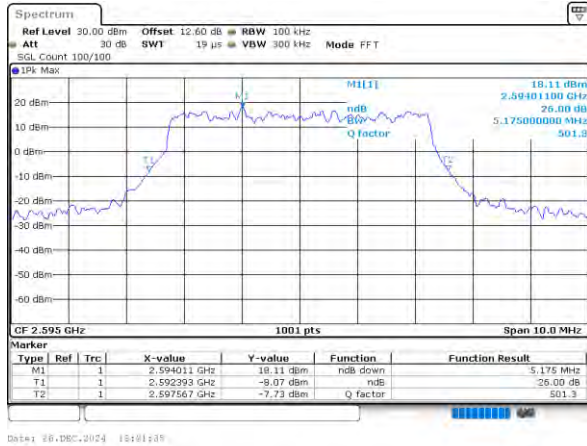
**26dB Bandwidth**

Mode	LTE Band 38 : 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	5.15	9.61	9.91	14.23	14.65	19.38	18.94
Mode	LTE Band 38 : 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	-	-	-	-	5.29	4.84	9.63	10.37	14.23	14.95	18.98	19.42

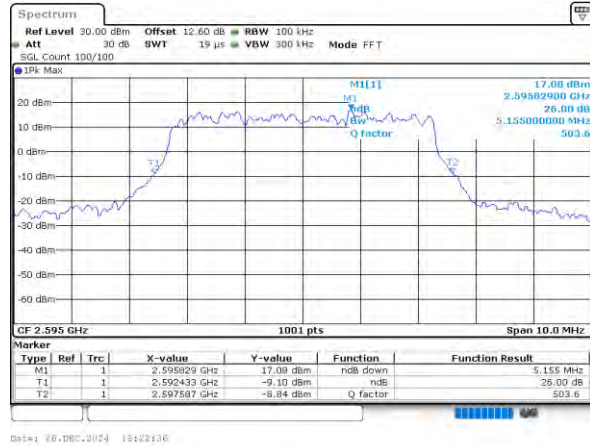


LTE Band 38

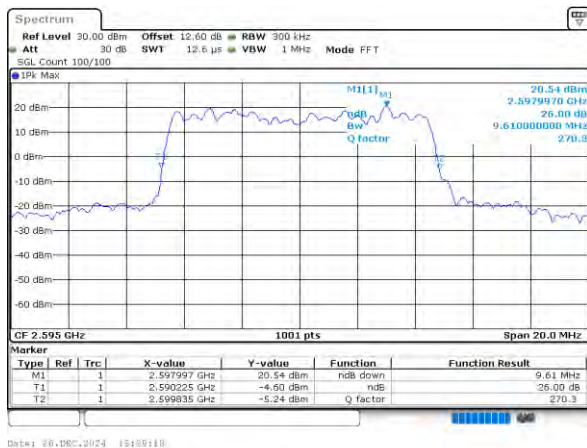
Middle Channel / 5MHz / QPSK



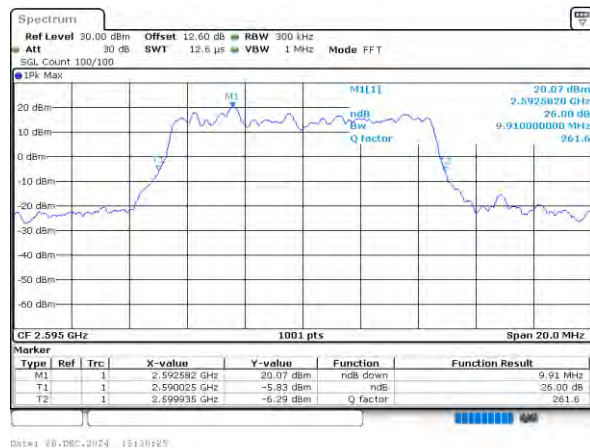
Middle Channel / 5MHz / 16QAM



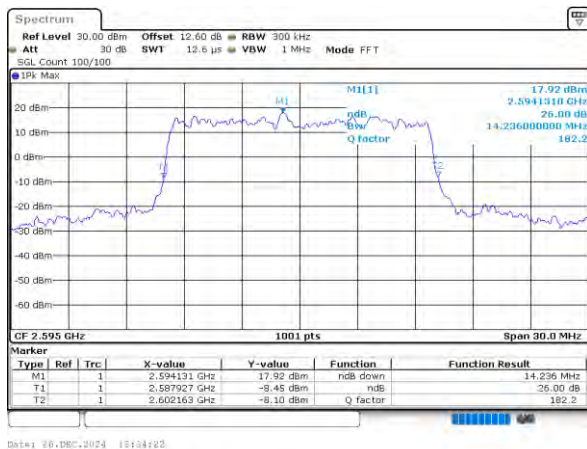
Middle Channel / 10MHz / QPSK



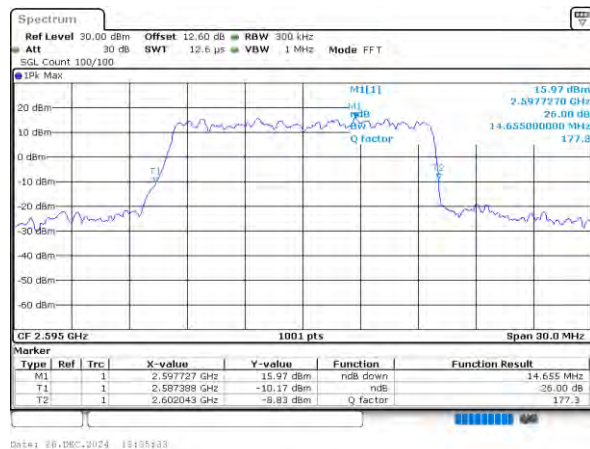
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



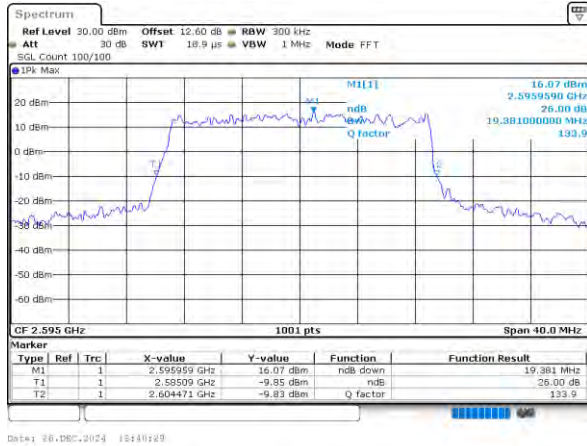
Middle Channel / 15MHz / 16QAM



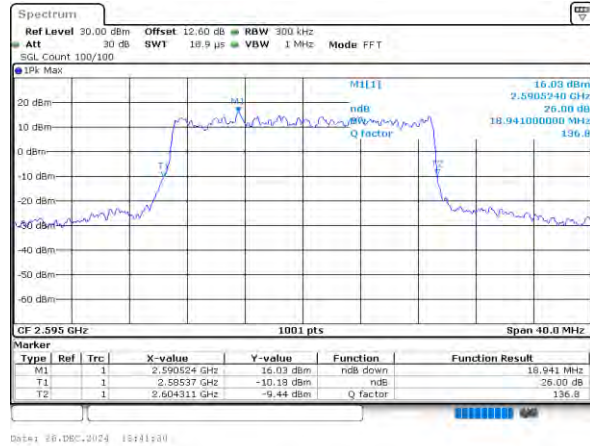


LTE Band 38

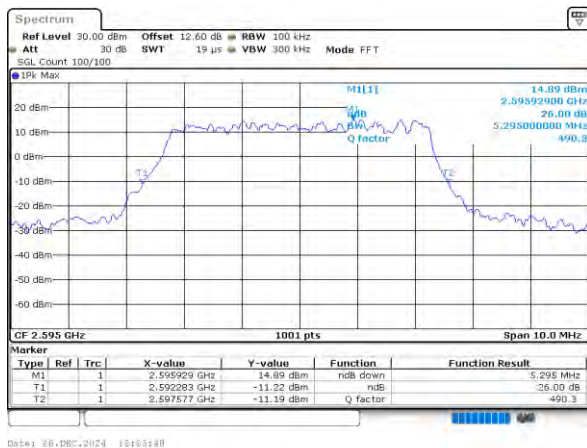
Middle Channel / 20MHz / QPSK



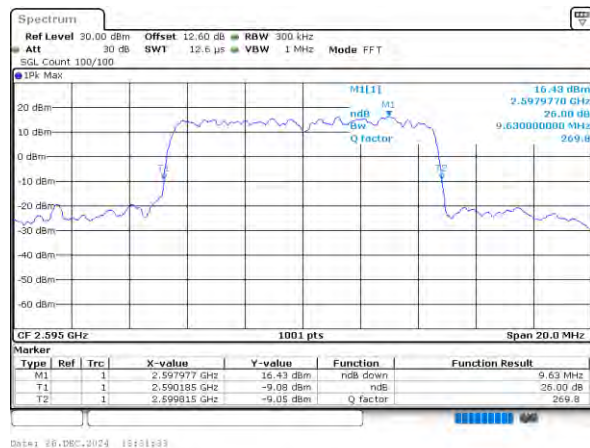
Middle Channel / 20MHz / 16QAM



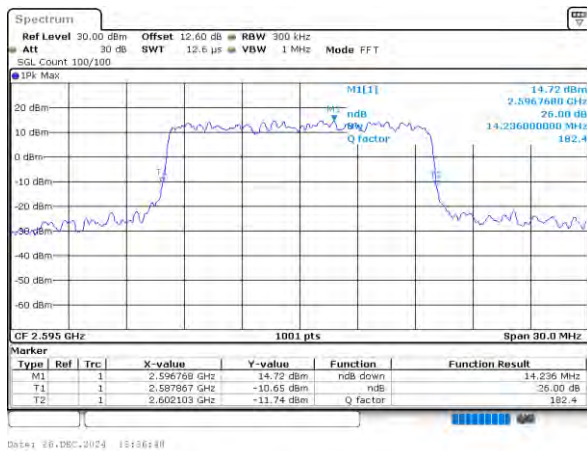
Middle Channel / 5MHz / 64QAM



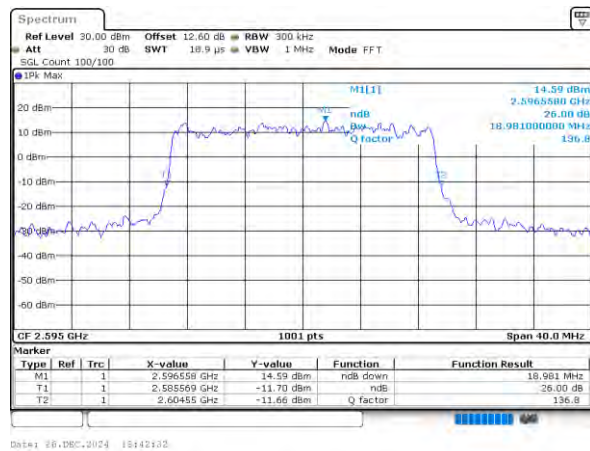
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



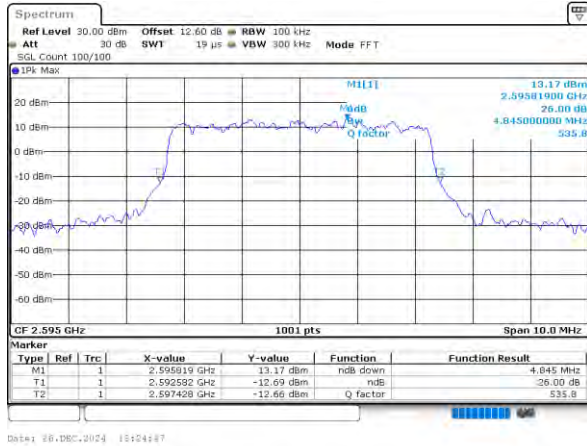
Middle Channel / 20MHz / 64QAM



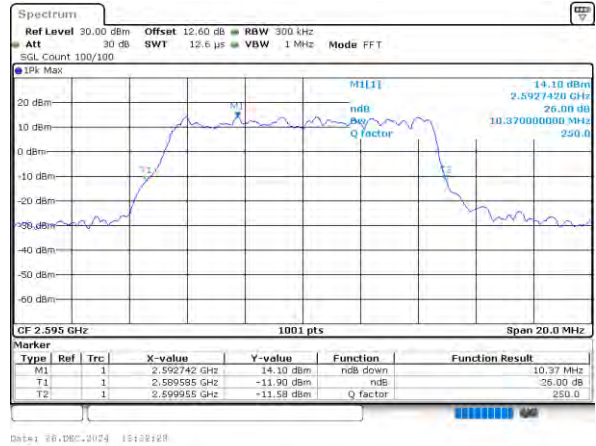


LTE Band 38

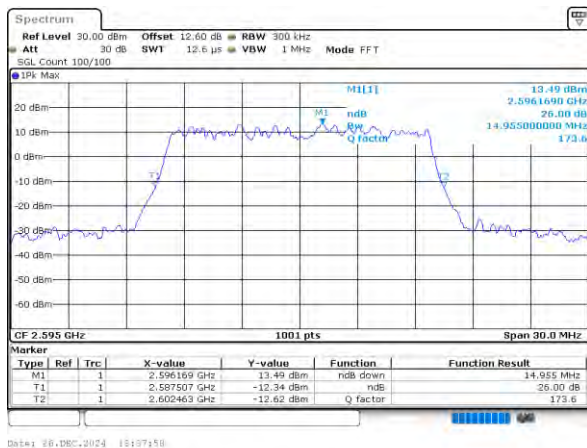
Middle Channel / 5MHz / 256QAM



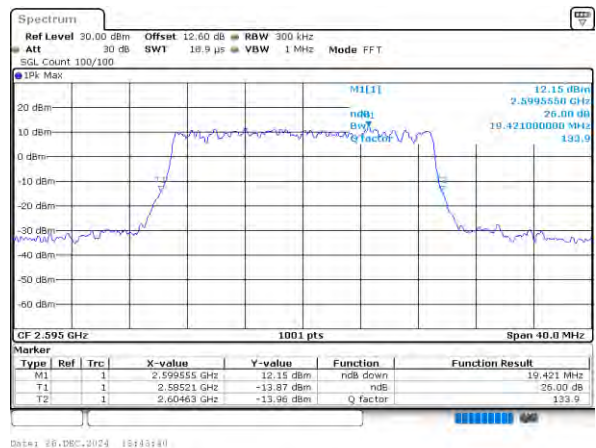
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM



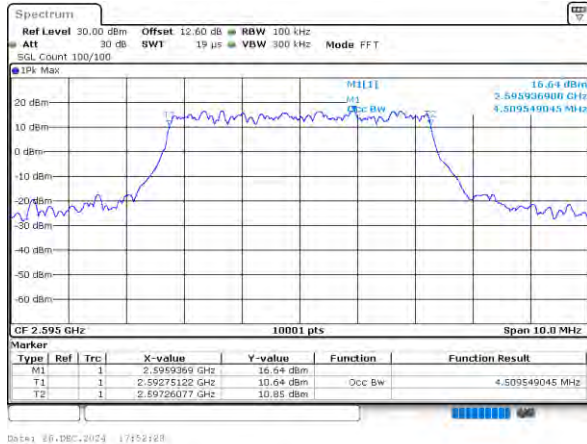
**Occupied Bandwidth**

Mode	LTE Band 38 : 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	4.49	9.04	9.03	13.38	13.42	17.75	17.95
Mode	LTE Band 38 : 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	-	-	-	-	4.47	4.48	9.05	9.08	13.41	13.38	17.88	17.88

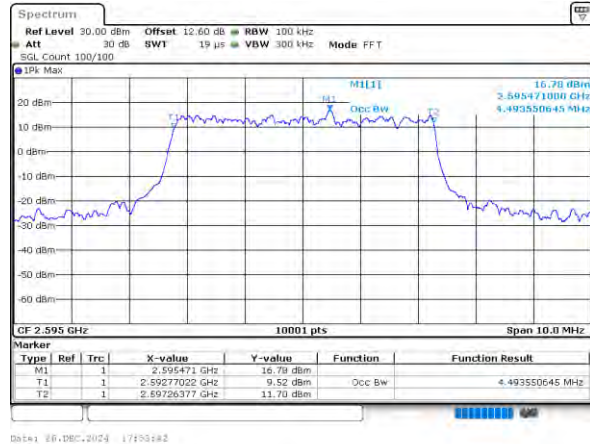


LTE Band 38

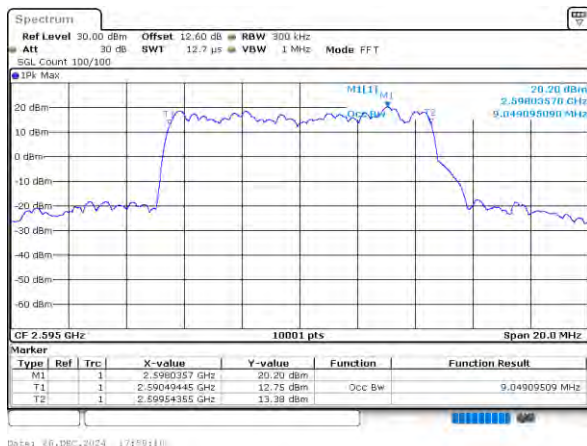
Middle Channel / 5MHz / QPSK



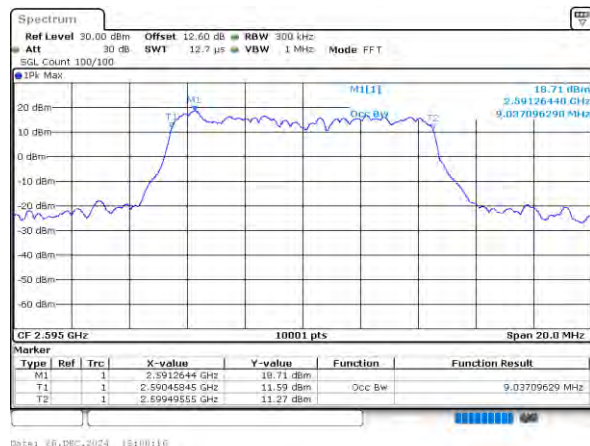
Middle Channel / 5MHz / 16QAM



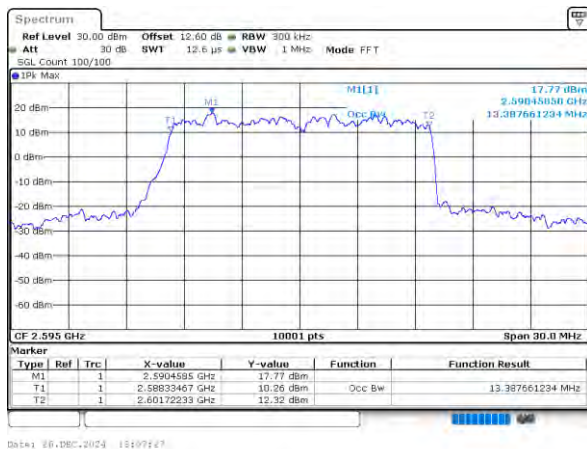
Middle Channel / 10MHz / QPSK



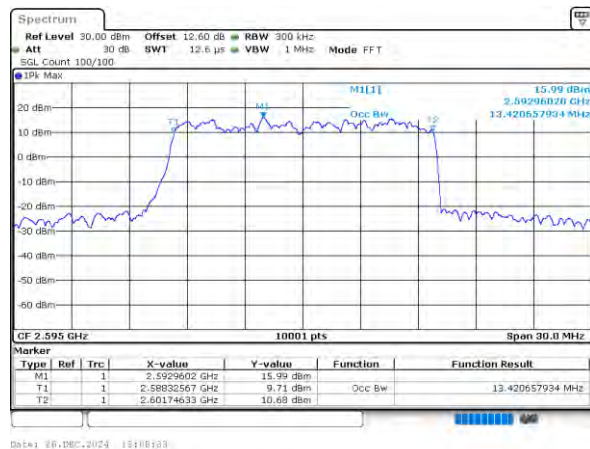
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



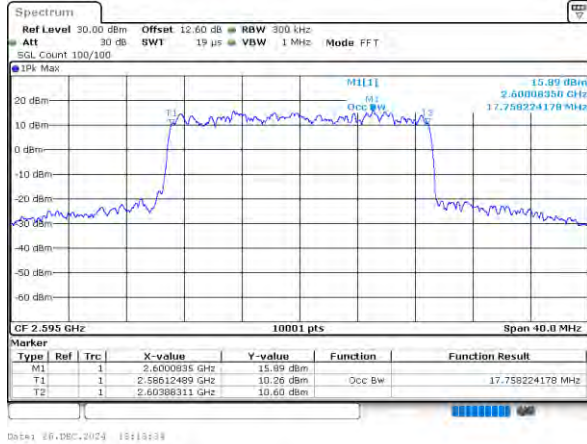
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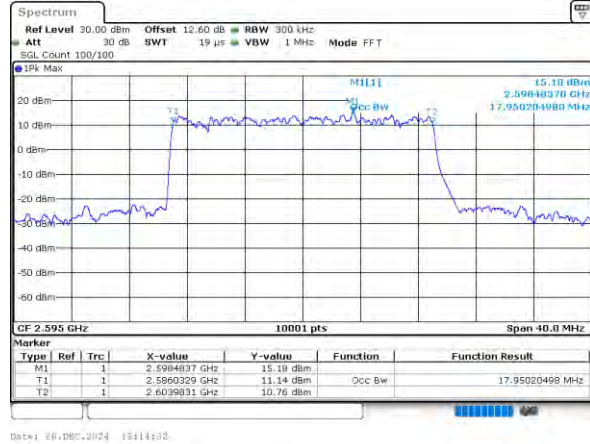


LTE Band 38

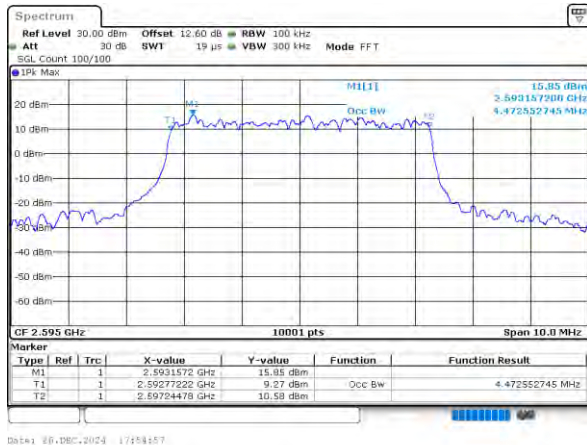
Middle Channel / 20MHz / QPSK



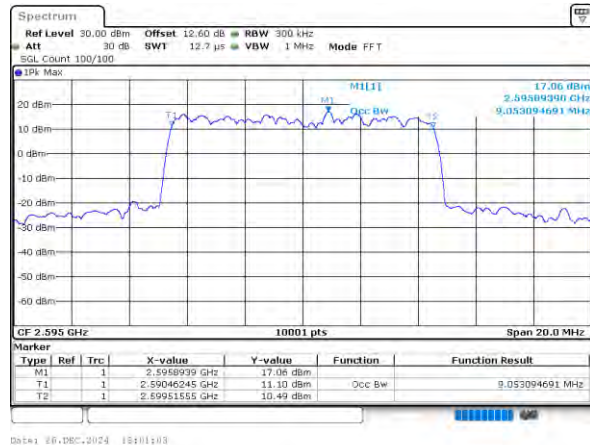
Middle Channel / 20MHz / 16QAM



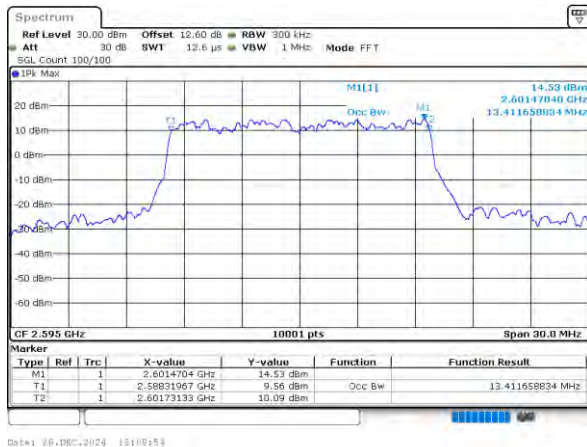
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM

