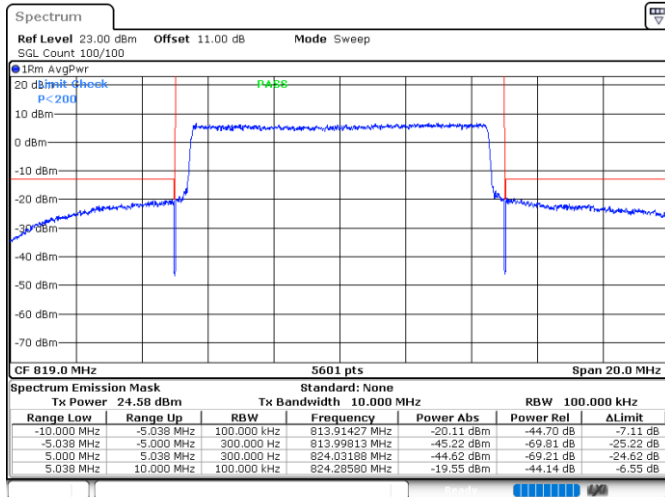




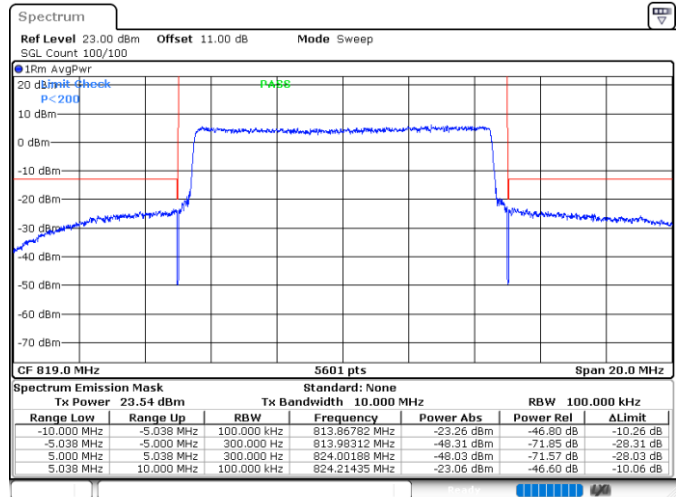
LTE Band 26 / 10MHz / QPSK

Lowest Channel / Full RB



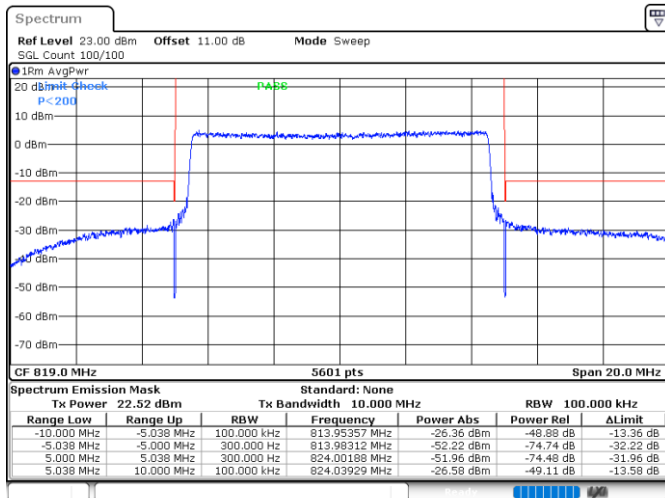
LTE Band 26 / 10MHz / 16QAM

Lowest Channel / Full RB



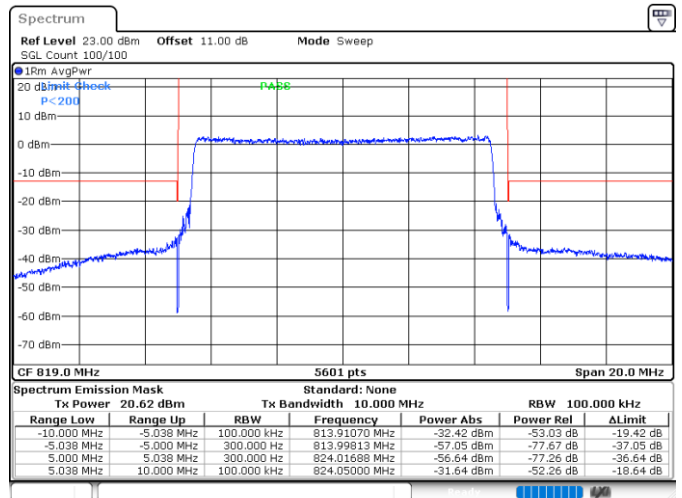
LTE Band 26 / 10MHz / 64QAM

Lowest Channel / Full RB



LTE Band 26 / 10MHz / 256QAM

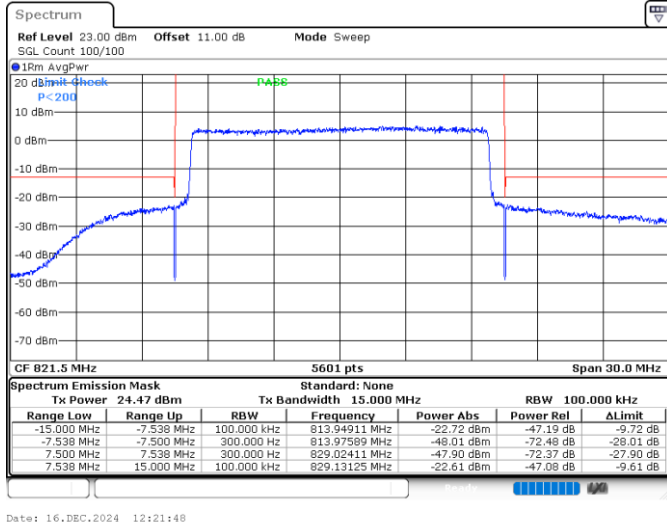
Lowest Channel / Full RB





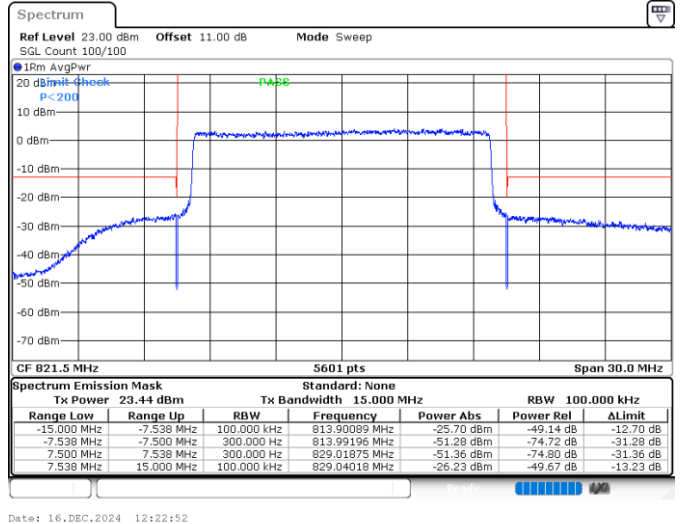
LTE Band 26 / 15MHz / QPSK

Lowest Channel / Full RB



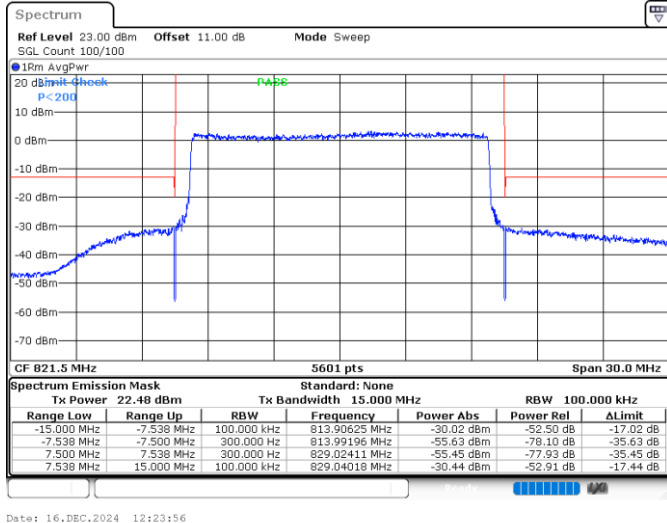
LTE Band 26 / 15MHz / 16QAM

Lowest Channel / Full RB



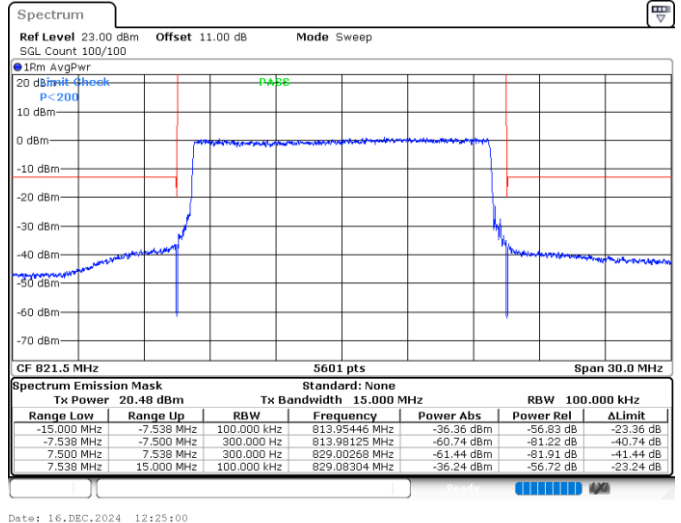
LTE Band 26 / 15MHz / 64QAM

Lowest Channel / Full RB



LTE Band 26 / 15MHz / 256QAM

Lowest Channel / Full RB

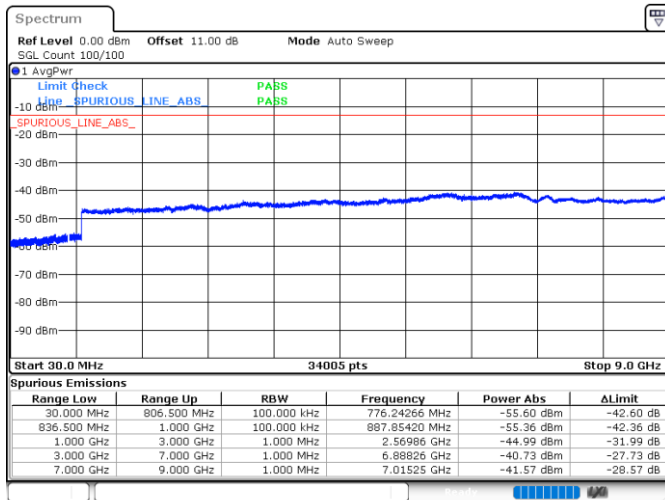




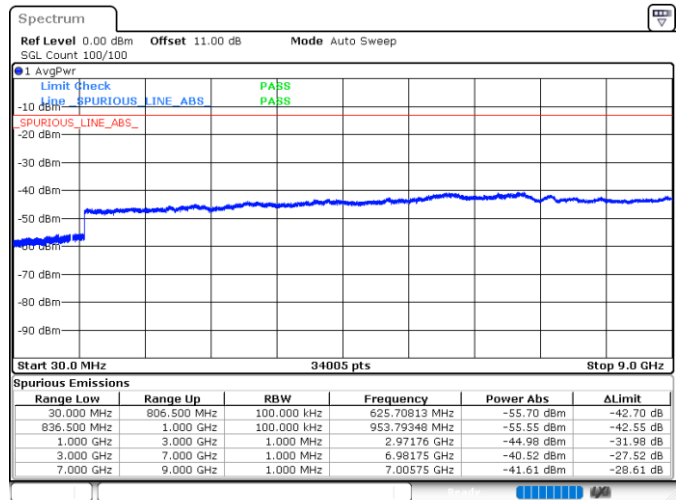
Emission masks – Out of band emissions

LTE Band 26 / 1.4MHz

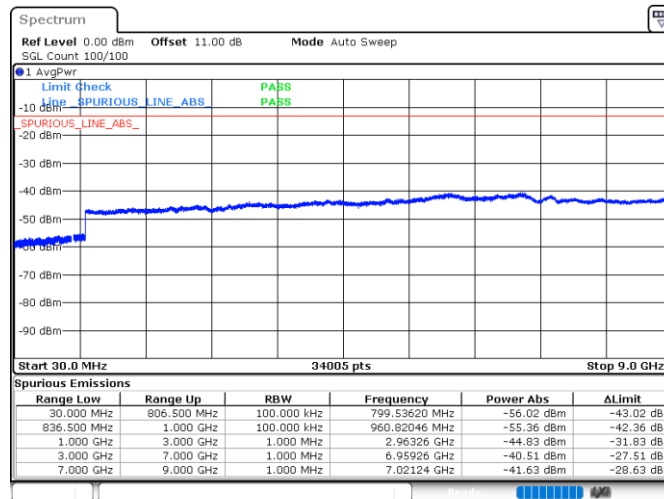
Lowest Channel / QPSK



Middle Channel / QPSK



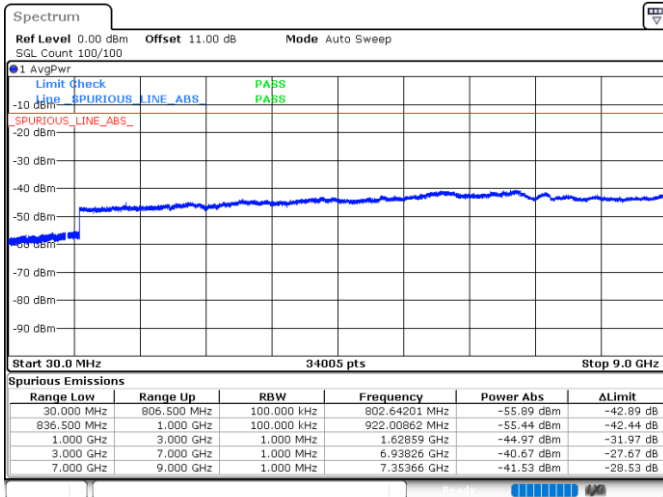
Highest Channel / QPSK



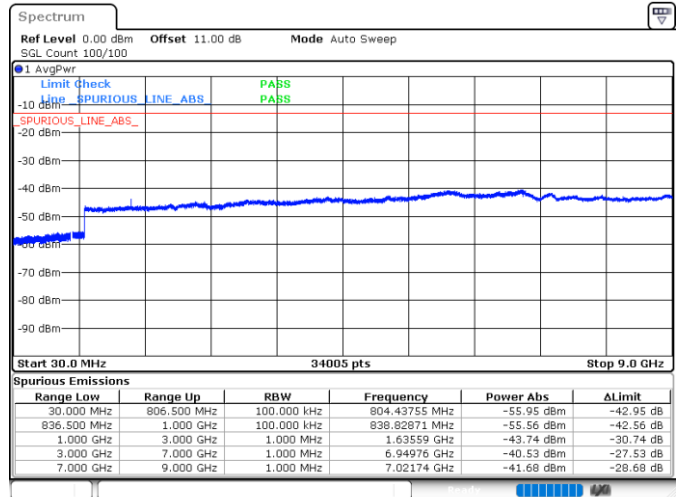


LTE Band 26 / 3MHz

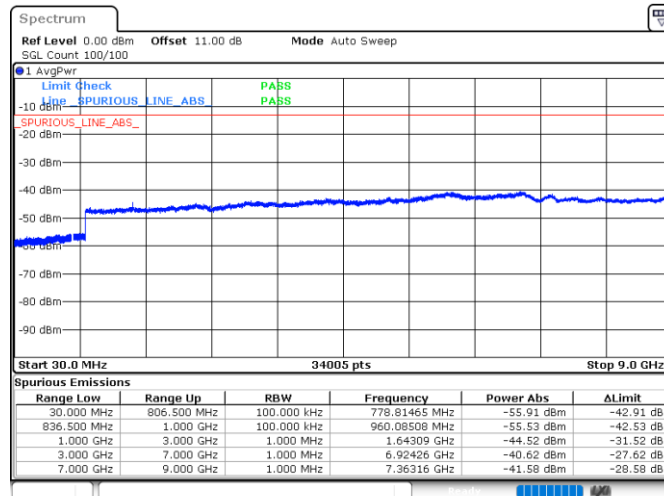
Lowest Channel / QPSK



Middle Channel / QPSK



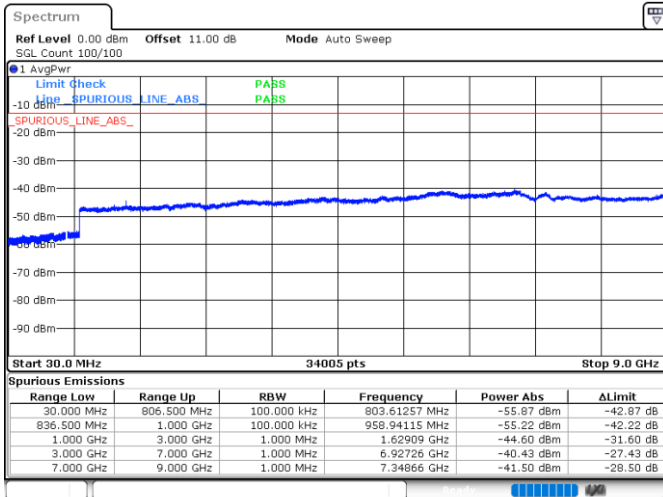
Highest Channel / QPSK



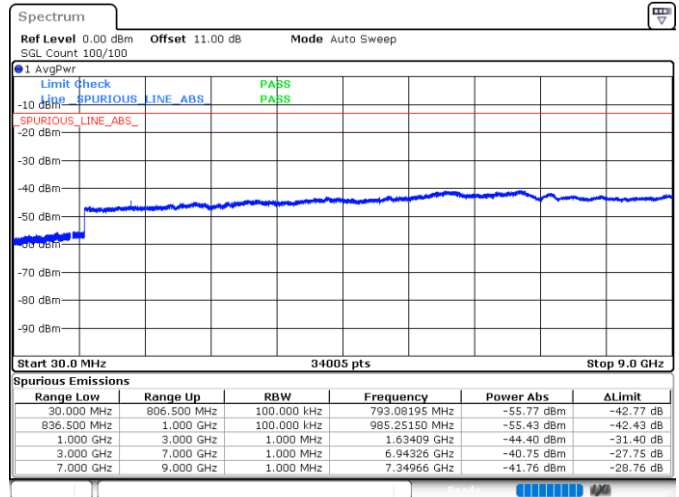


LTE Band 26 / 5MHz

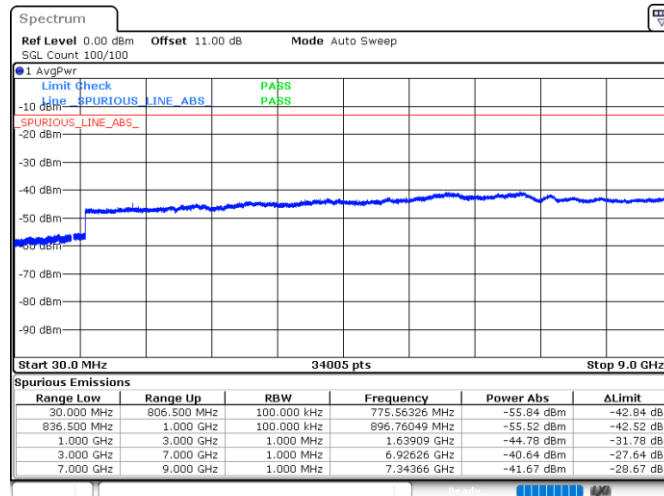
Lowest Channel / QPSK



Middle Channel / QPSK



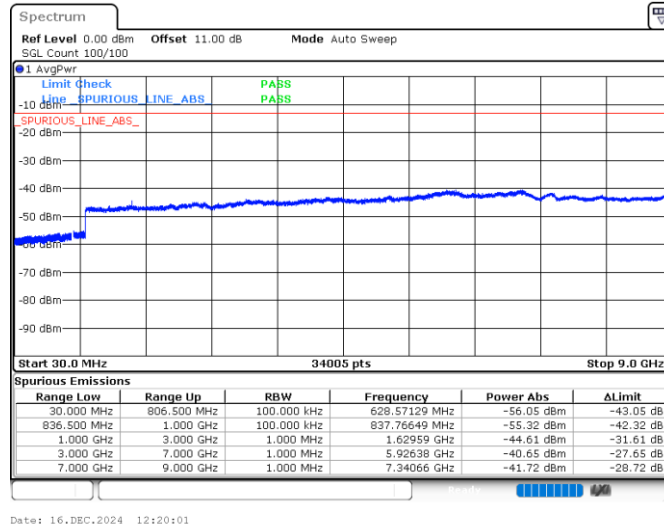
Highest Channel / QPSK





LTE Band 26 / 10MHz

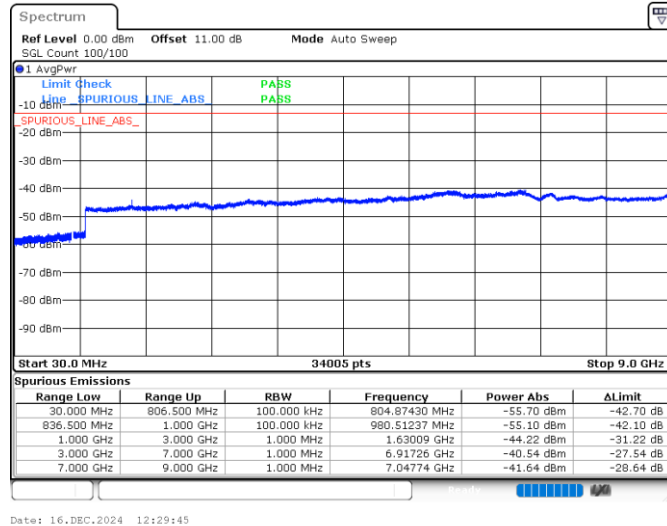
Middle Channel / QPSK





LTE Band 26 / 15MHz

Lowest Channel / QPSK



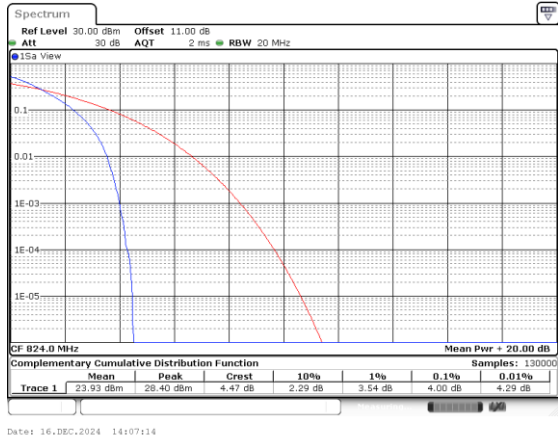
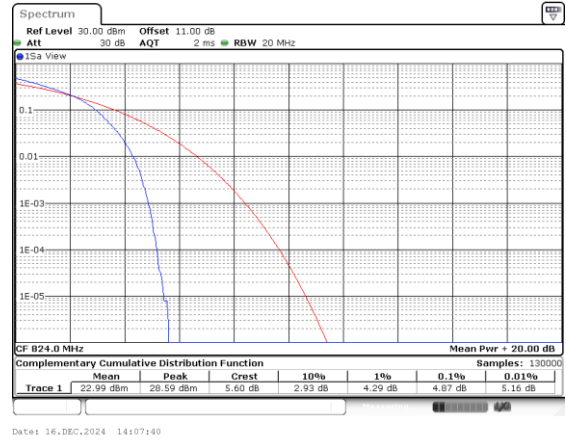
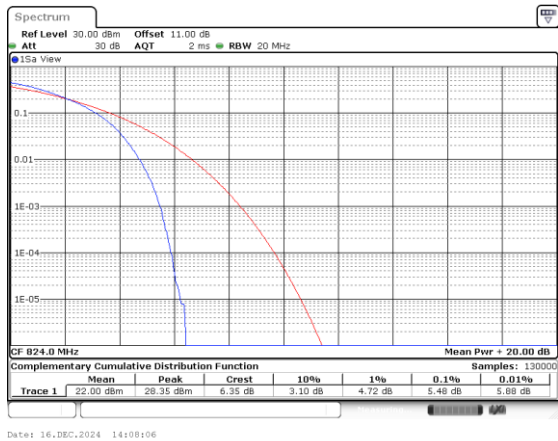
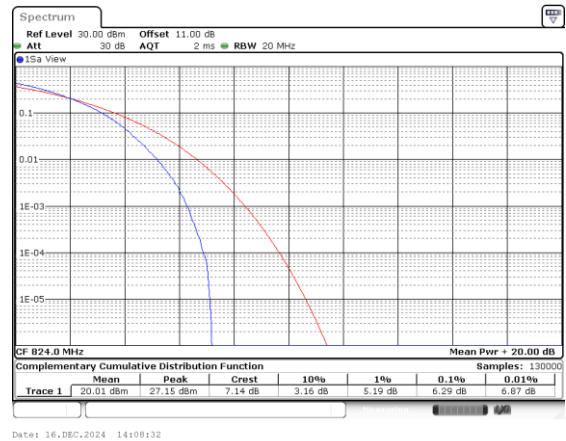
Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5 ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0083	PASS
40	Normal Voltage	0.0068	
30	Normal Voltage	0.0096	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0068	
0	Normal Voltage	0.0049	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0053	
-30	Normal Voltage	0.0149	
20	Maximum Voltage	0.0073	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0037	

Note: Normal Voltage = 3.8 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.2 V.

**LTE Band 26_Part 90S (824M)****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
824MHz	4.00	4.87	5.48	6.29	PASS

LTE Band 26 / 15MHz / QPSK
824MHz/ Full RB

LTE Band 26 / 15MHz / 16QAM
824MHz/ Full RB

LTE Band 26 / 15MHz / 64QAM
824MHz/ Full RB

LTE Band 26 / 15MHz / 256QAM
824MHz/ Full RB


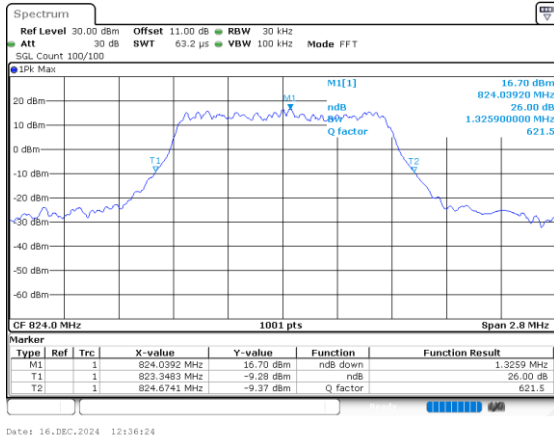
**26dB Bandwidth**

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
824MHz	1.32	1.37	3.09	3.10	5.06	5.16	10.07	9.92	14.62	14.47	-	-
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
824MHz	1.37	1.30	3.08	3.14	5.03	4.96	10.05	10.08	14.53	14.32	-	-

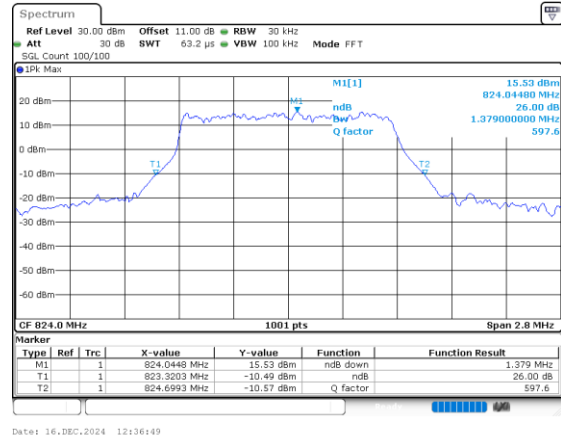


LTE Band 26

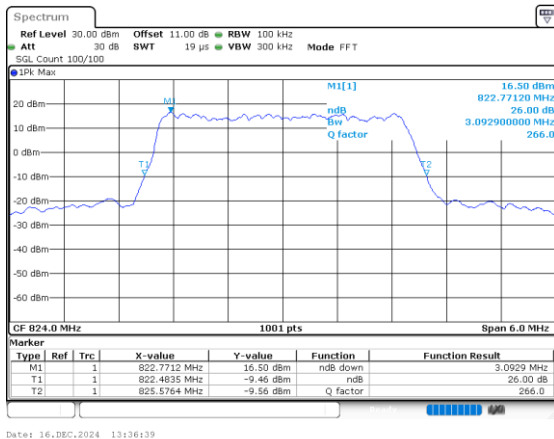
824MHz/ 1.4MHz / QPSK



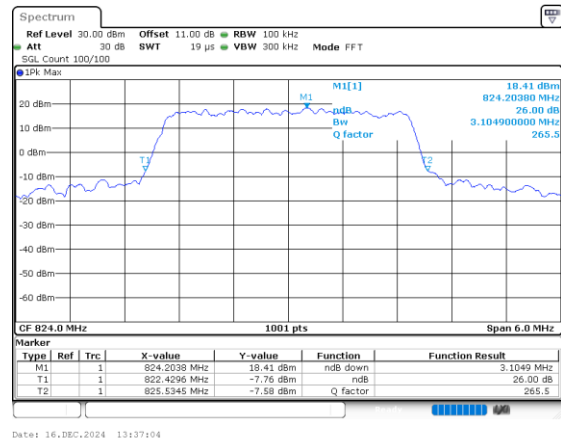
824MHz/ 1.4MHz / 16QAM



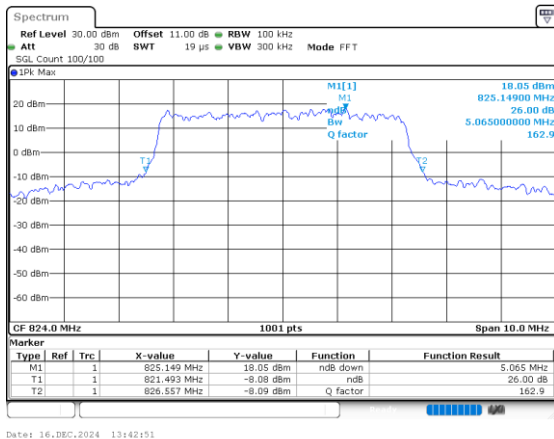
824MHz/ 3MHz / QPSK



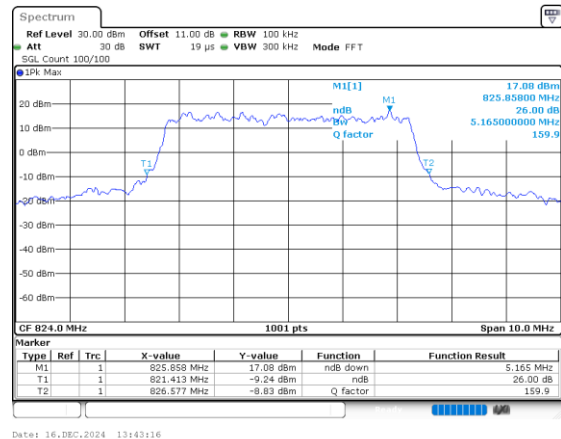
824MHz/ 3MHz / 16QAM



824MHz/ 5MHz / QPSK



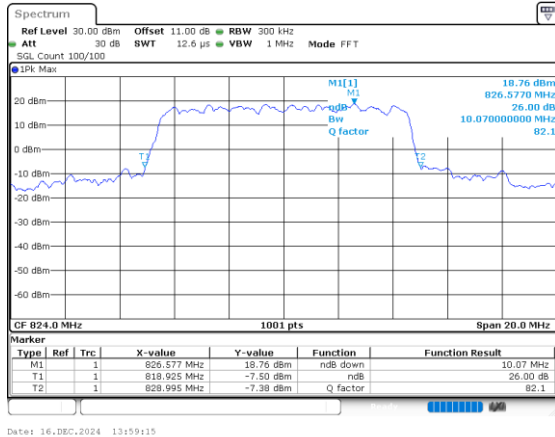
824MHz/ 5MHz / 16QAM



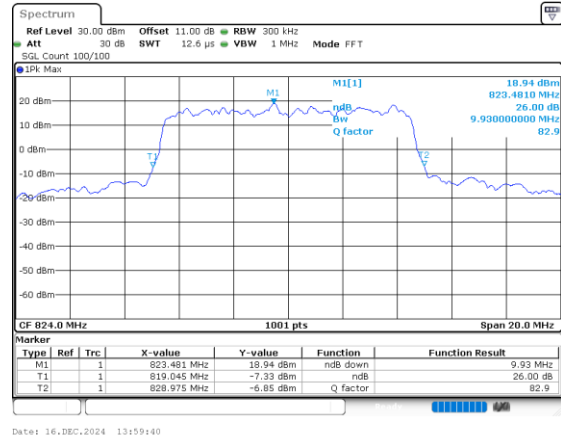


LTE Band 26

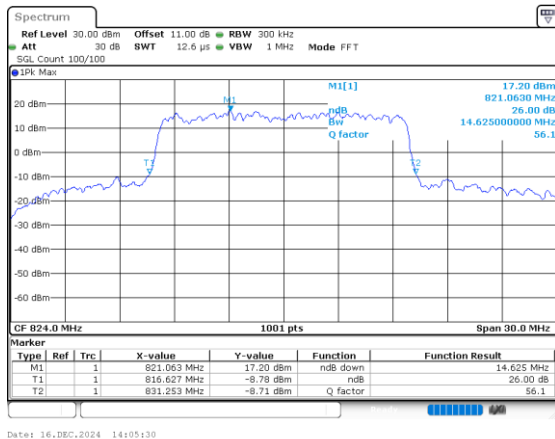
824MHz/ 10MHz / QPSK



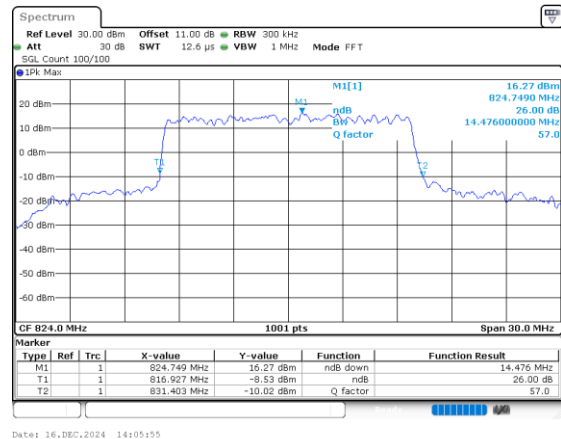
824MHz/ 10MHz / 16QAM



824MHz/ 15MHz / QPSK



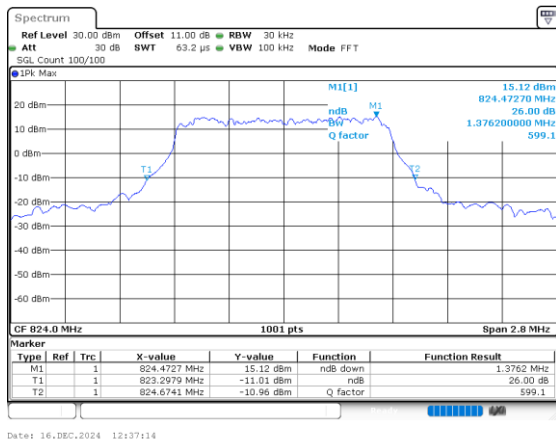
824MHz/ 15MHz / 16QAM



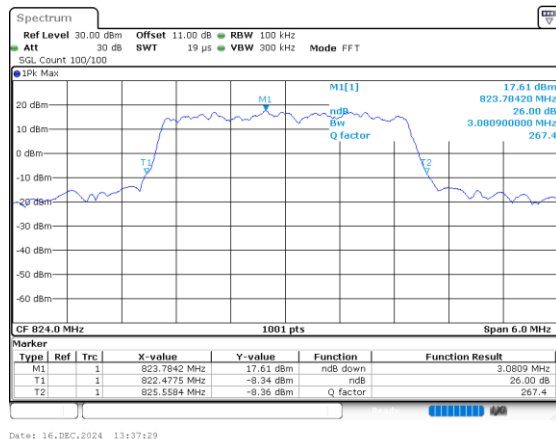


LTE Band 26

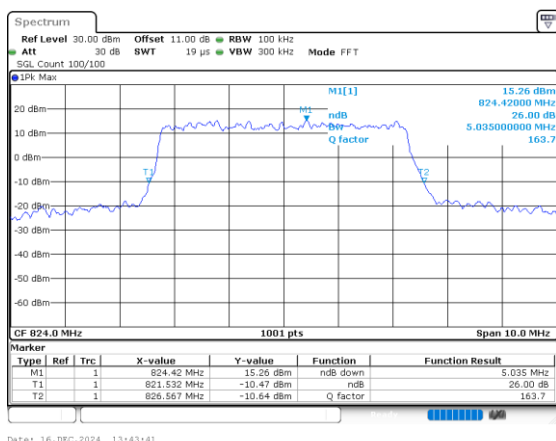
824MHz/ 1.4MHz / 64QAM



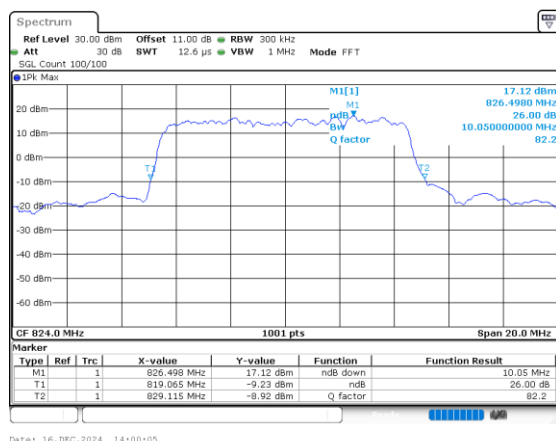
824MHz/ 3MHz / 64QAM



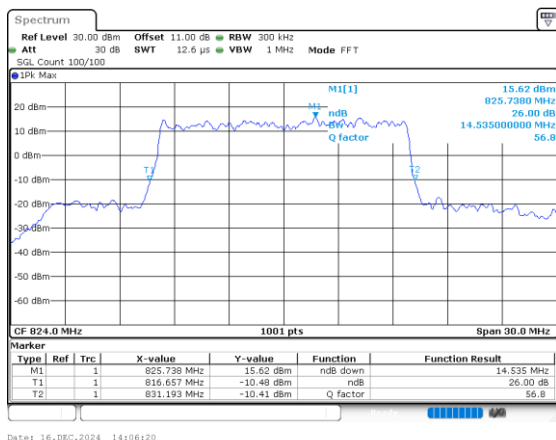
824MHz/ 5MHz / 64QAM



824MHz/ 10MHz / 64QAM



824MHz/ 15MHz / 64QAM

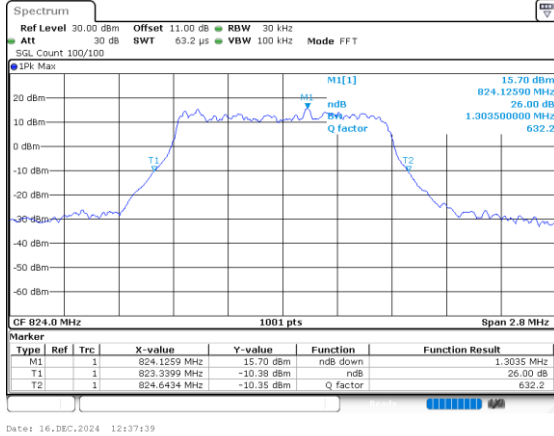


N/A

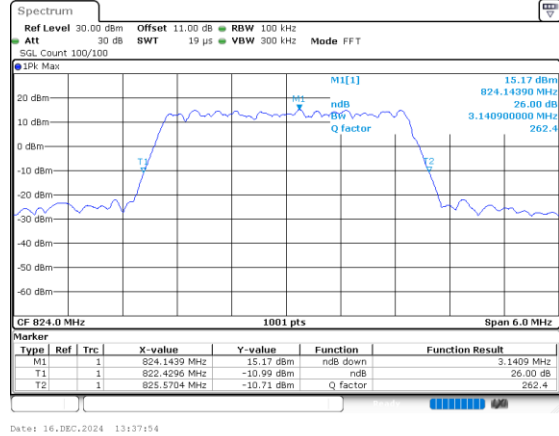


LTE Band 26

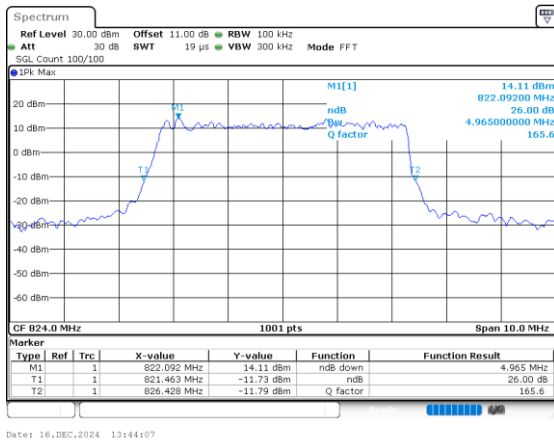
824MHz/ 1.4MHz / 256QAM



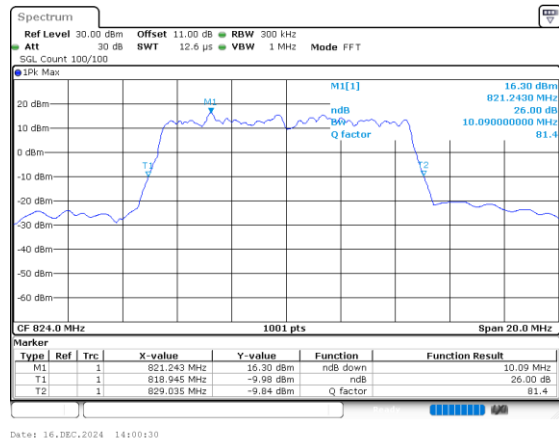
824MHz/ 3MHz / 256QAM



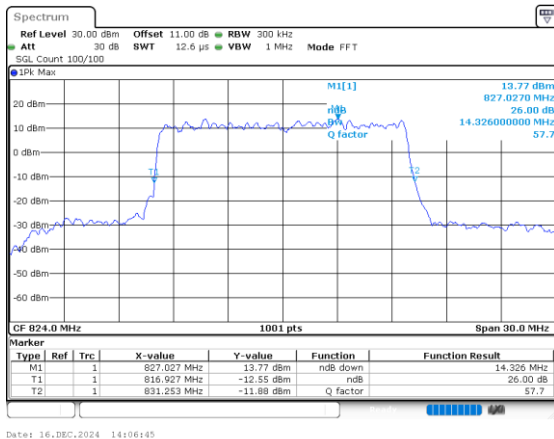
824MHz/ 5MHz / 256QAM



824MHz/ 10MHz / 256QAM



824MHz/ 15MHz / 256QAM



N/A

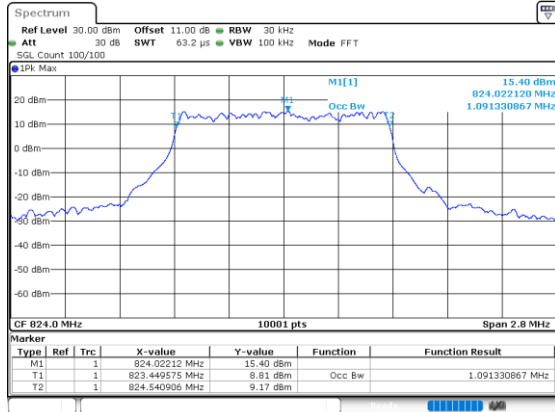
**Occupied Bandwidth**

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
824MHz	1.09	1.09	2.71	2.72	4.50	4.48	9.02	9.03	13.40	13.41	-	-
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
824MHz	1.10	1.09	2.72	2.74	4.50	4.49	9.04	9.04	13.42	13.44	-	-

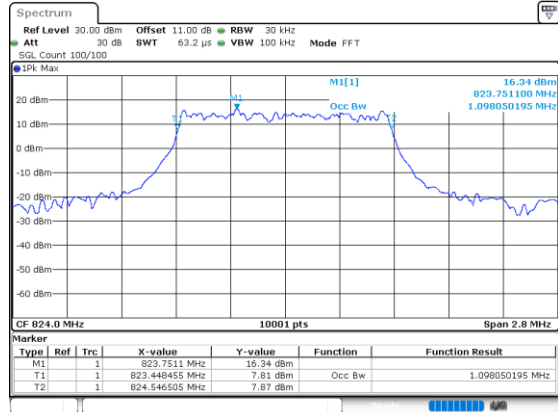


LTE Band 26

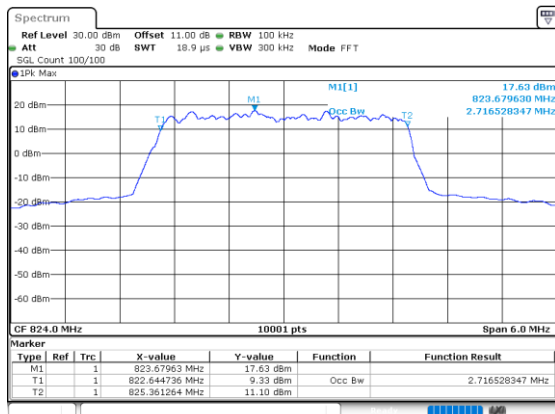
824MHz/ 1.4MHz / QPSK



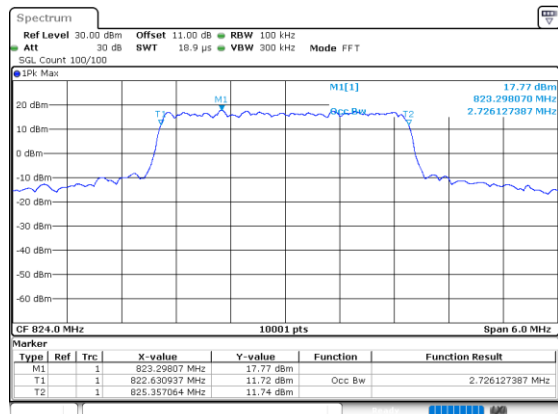
824MHz/ 1.4MHz / 16QAM



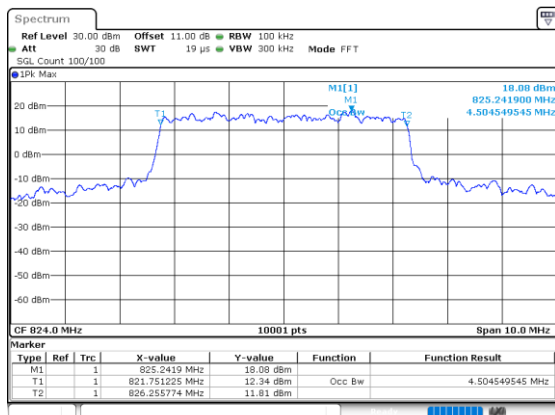
824MHz/ 3MHz / QPSK



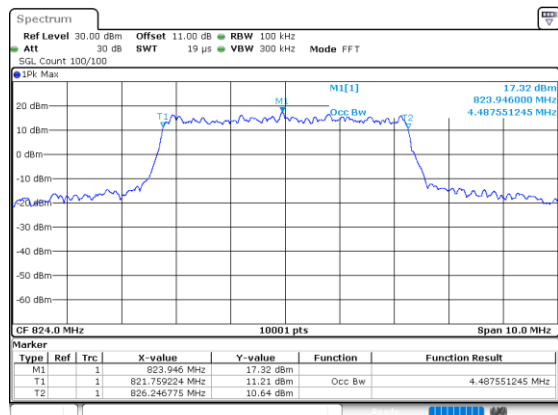
824MHz/ 3MHz / 16QAM



824MHz/ 5MHz / QPSK



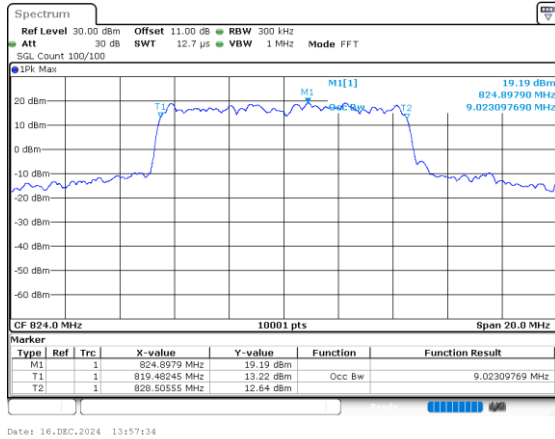
824MHz/ 5MHz / 16QAM



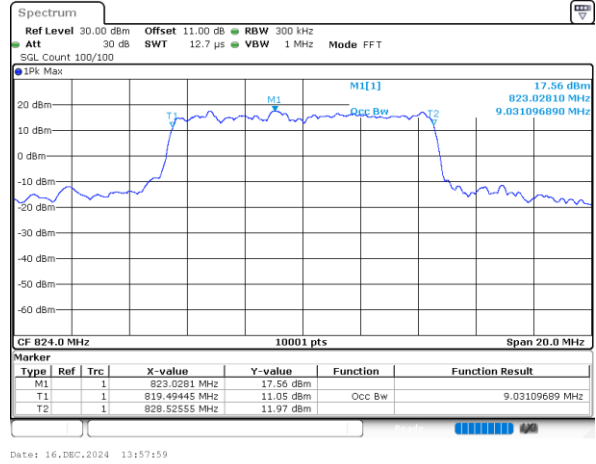


LTE Band 26

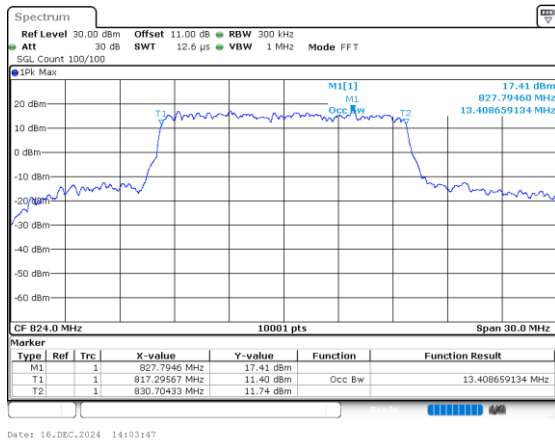
824MHz/ 10MHz / QPSK



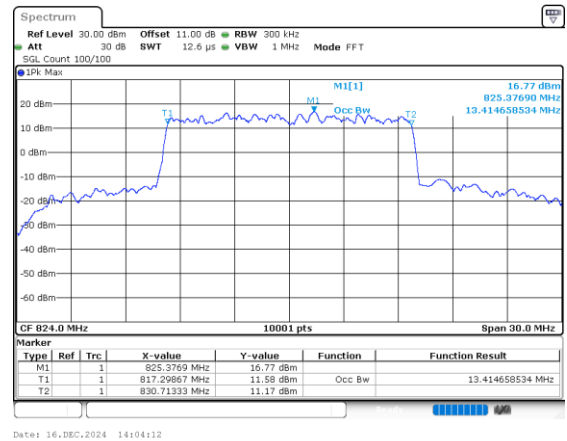
824MHz/ 10MHz / 16QAM



824MHz/ 15MHz / QPSK



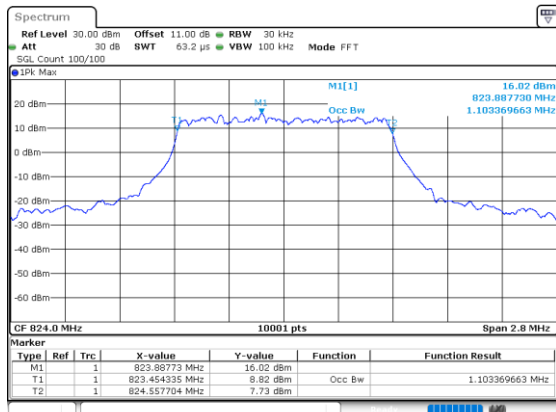
824MHz/ 15MHz / 16QAM



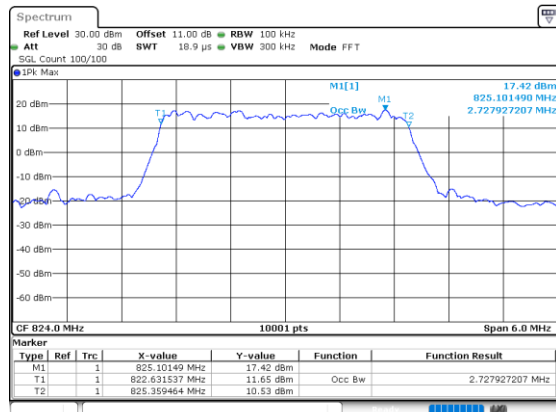


LTE Band 26

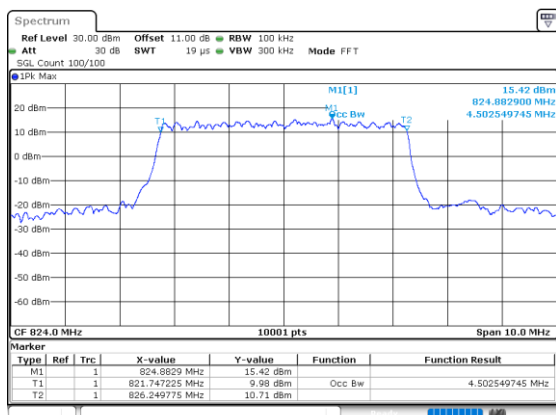
824MHz/ 1.4MHz / 64QAM



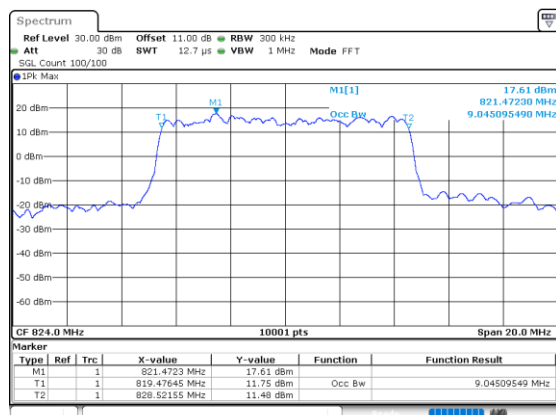
824MHz/ 3MHz / 64QAM



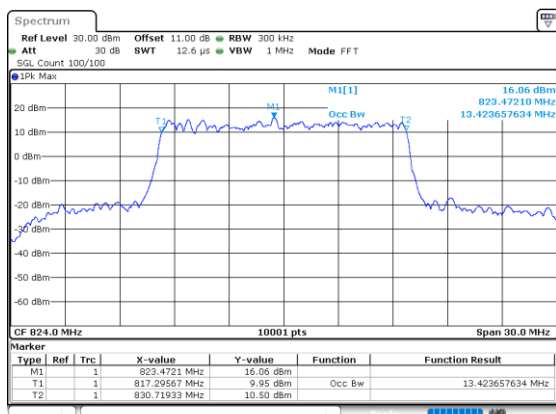
824MHz/ 5MHz / 64QAM



824MHz/ 10MHz / 64QAM



824MHz/ 15MHz / 64QAM

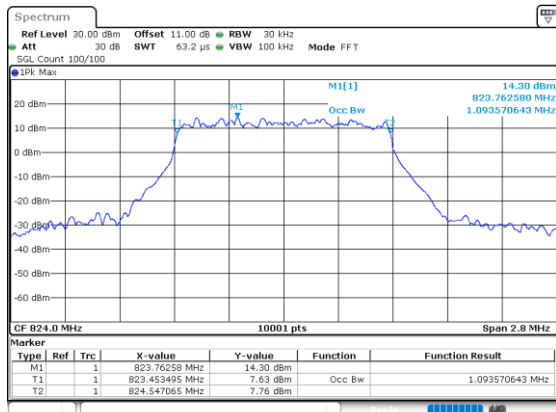


N/A

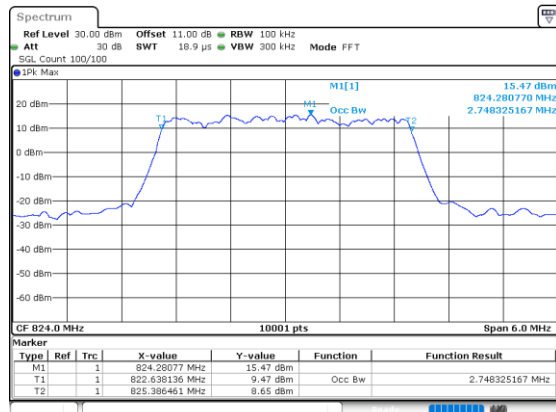


LTE Band 26

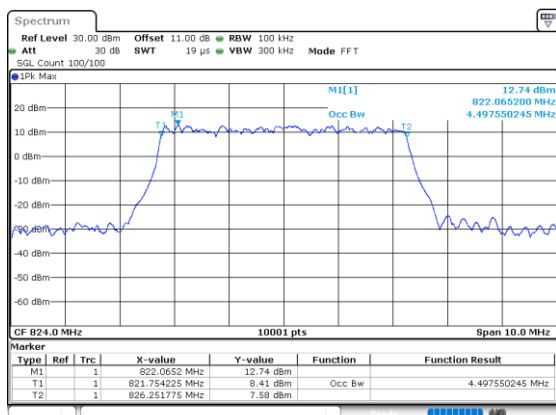
824MHz/ 1.4MHz / 256QAM



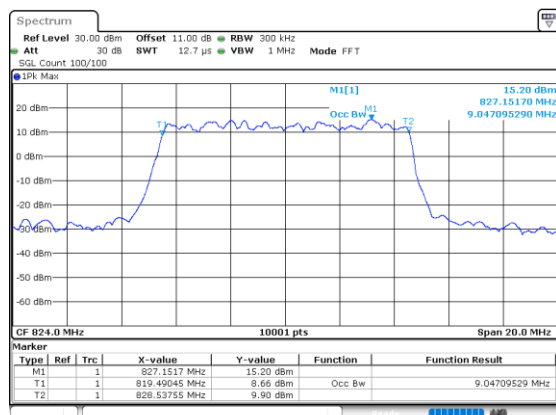
824MHz/ 3MHz / 256QAM



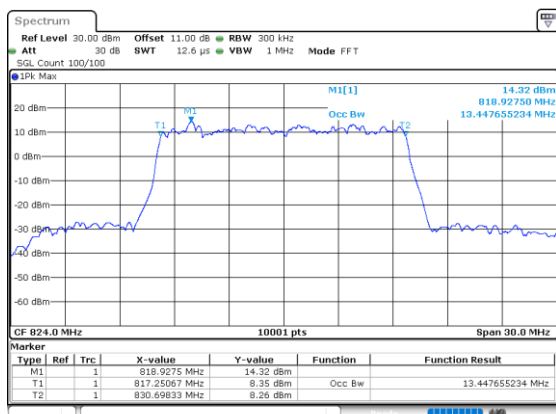
824MHz/ 5MHz / 256QAM



824MHz/ 10MHz / 256QAM



824MHz/15MHz / 256QAM



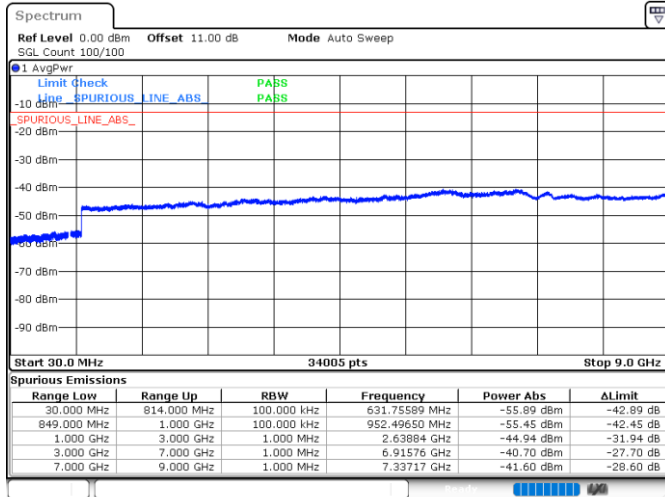
N/A



Conducted Spurious Emission

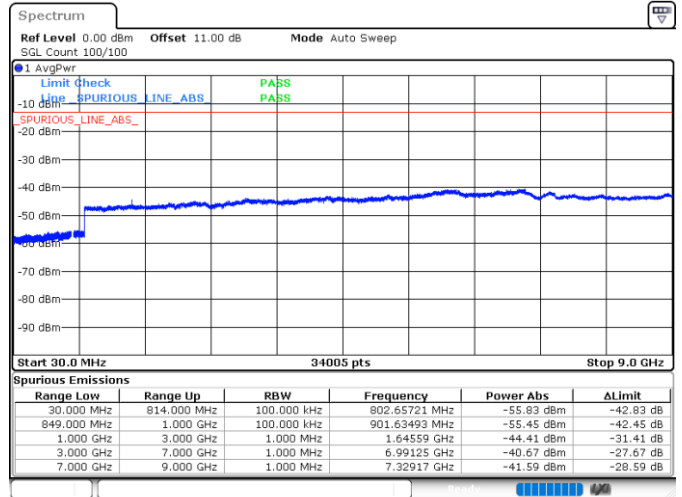
LTE Band 26 / 1.4MHz

824MHz/ QPSK



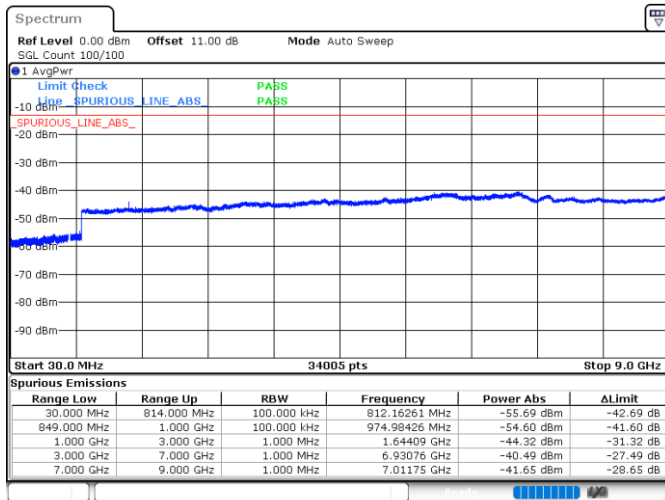
LTE Band 26 / 3MHz

824MHz/ QPSK



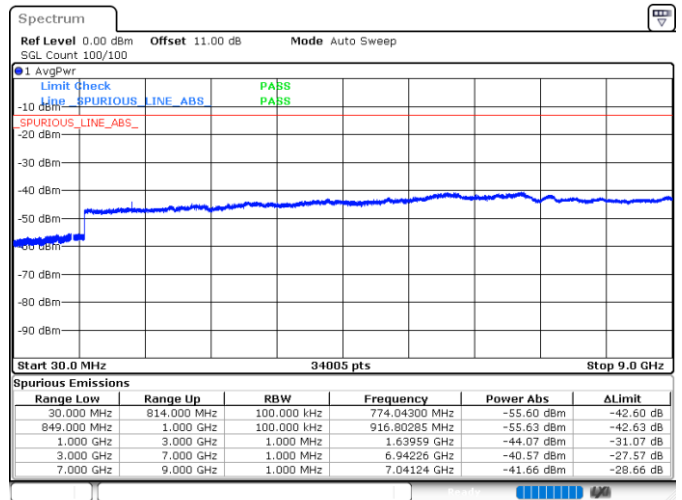
LTE Band 26 / 5MHz

824MHz/ QPSK



LTE Band 26 / 10MHz

824MHz/ QPSK



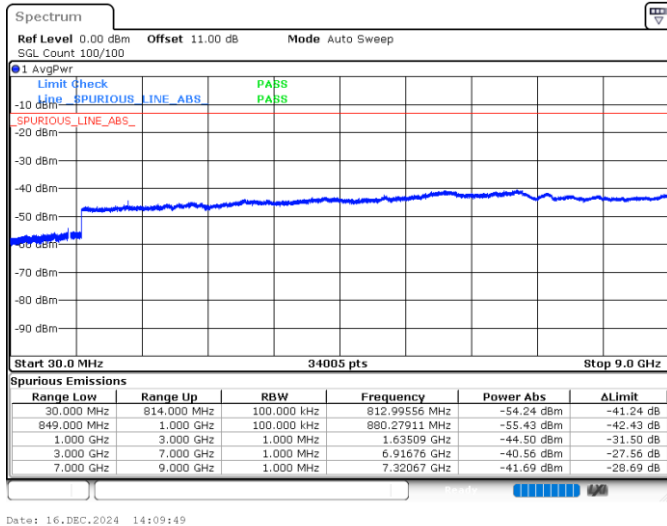


LTE Band 26 / 15MHz

N/A

824MHz/ QPSK

N/A



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / 824MHzannel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5 ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0063	PASS
40	Normal Voltage	0.0052	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0097	
0	Normal Voltage	0.0089	
-10	Normal Voltage	0.0061	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0090	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0070	

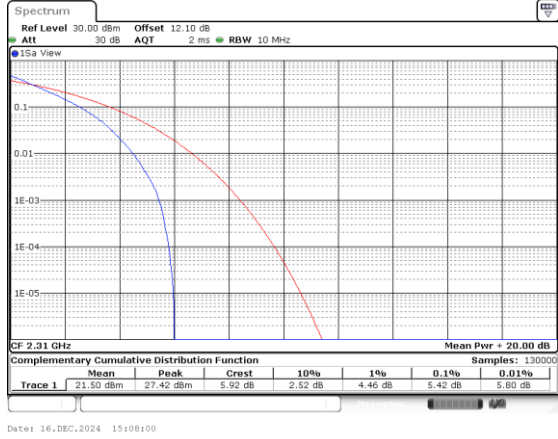
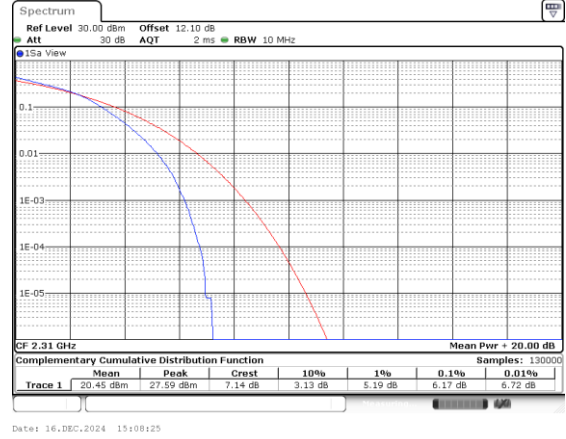
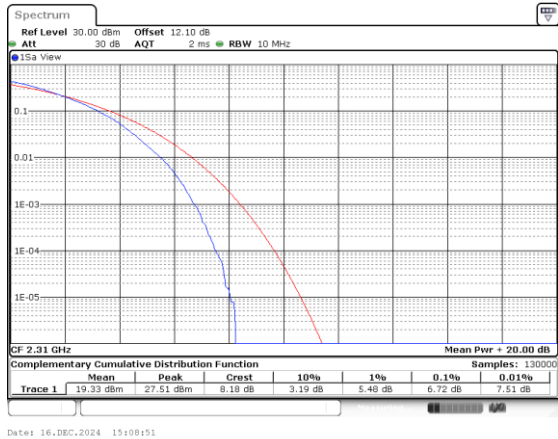
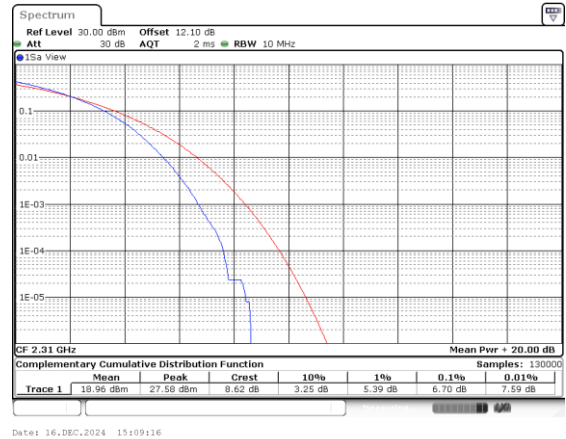
Note: Normal Voltage = 3.8 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.2 V.



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	5.42	6.17	6.72	6.70	PASS

LTE Band 30 / 10MHz / QPSK
Middle Channel / Full RB

LTE Band 30 / 10MHz / 16QAM
Middle Channel / Full RB

LTE Band 30 / 10MHz / 64QAM
Middle Channel / Full RB

LTE Band 30 / 10MHz / 256QAM
Middle Channel / Full RB


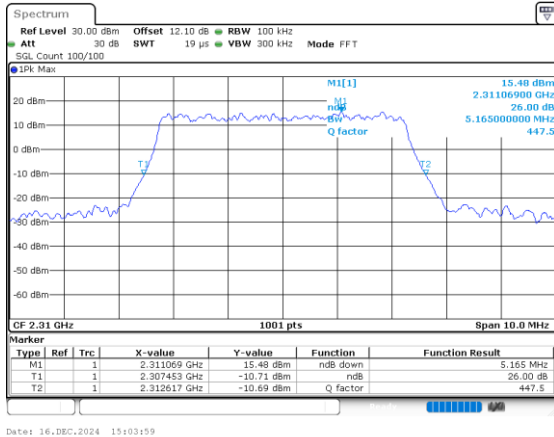
**26dB Bandwidth**

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	-	-	-	-	5.16	5.14	9.68	9.97	-	-	-	-
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	4.99	9.89	9.81	-	-	-	-

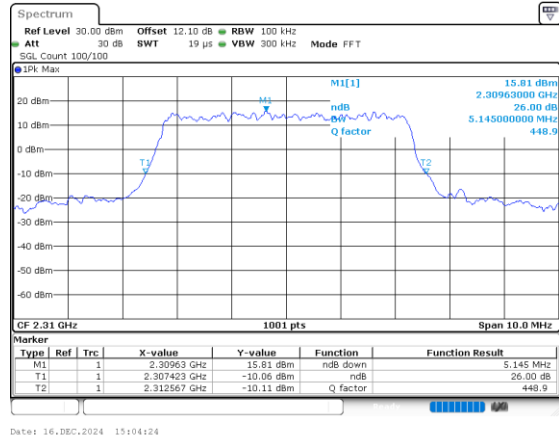


LTE Band 30

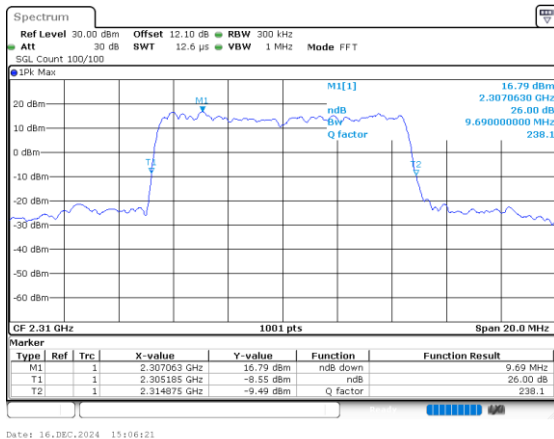
Middle Channel / 5MHz / QPSK



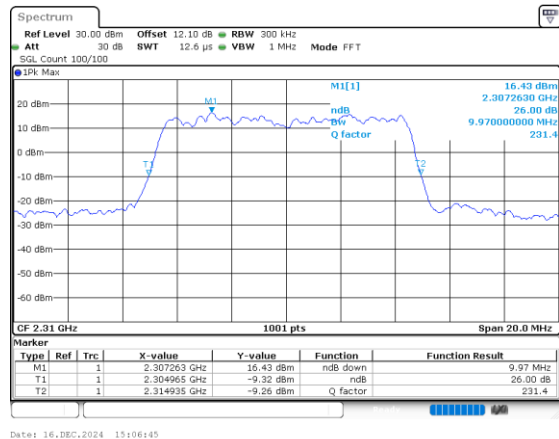
Middle Channel / 5MHz / 16QAM



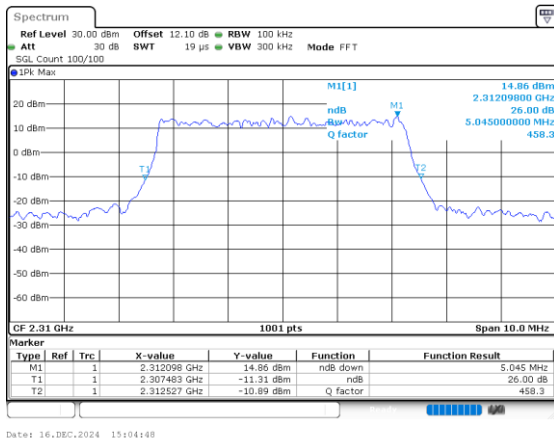
Middle Channel / 10MHz / QPSK



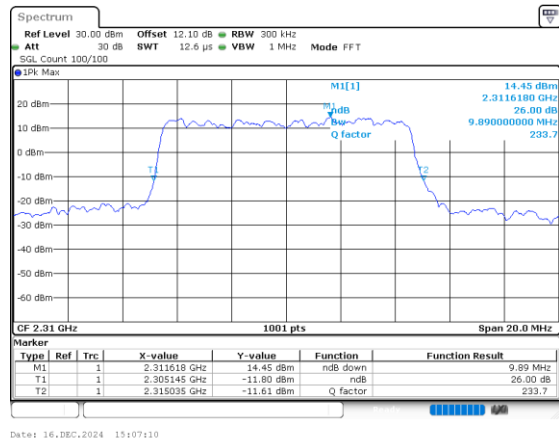
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



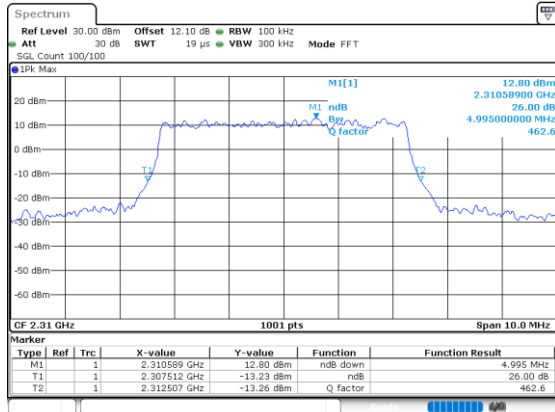
Middle Channel / 10MHz / 64QAM



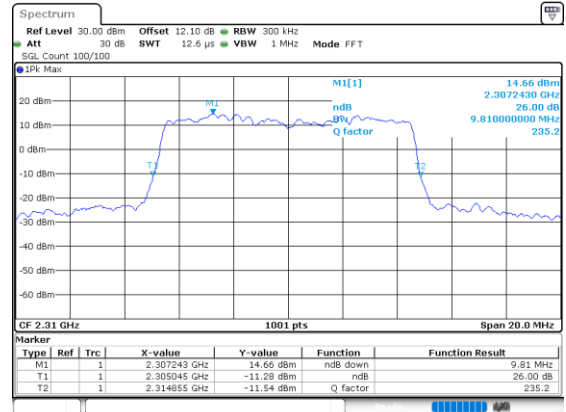


LTE Band 30

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



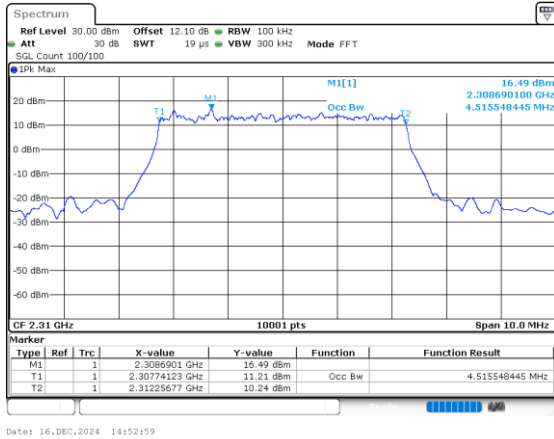
**Occupied Bandwidth**

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	-	-	-	-	4.51	4.48	9.06	9.08	-	-	-	-
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	-	-	-	-	4.48	4.51	9.04	9.10	-	-	-	-

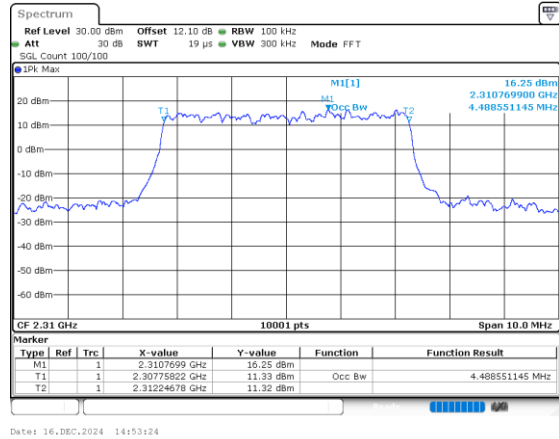


LTE Band 30

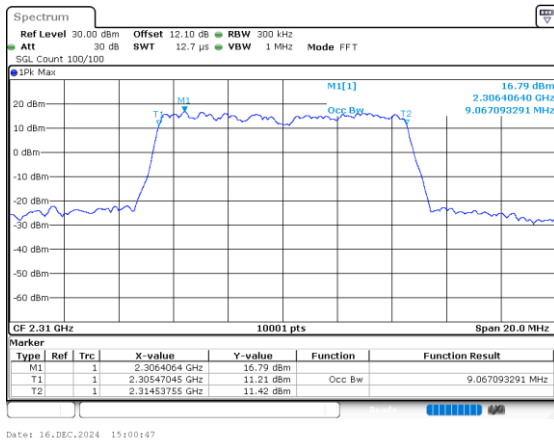
Middle Channel / 5MHz / QPSK



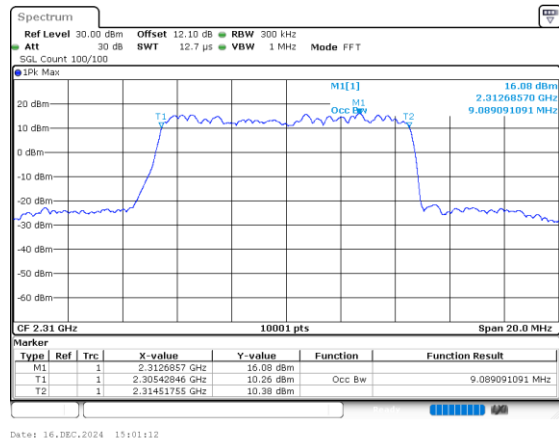
Middle Channel / 5MHz / 16QAM



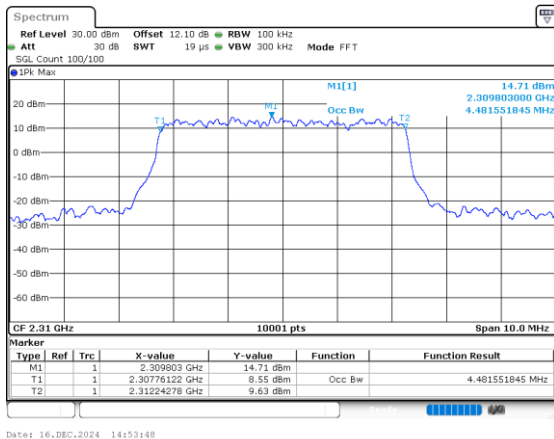
Middle Channel / 10MHz / QPSK



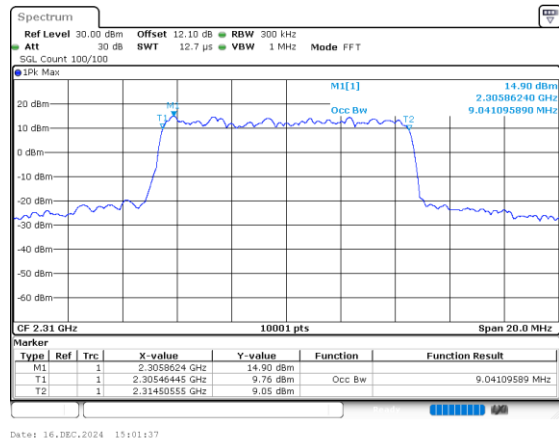
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



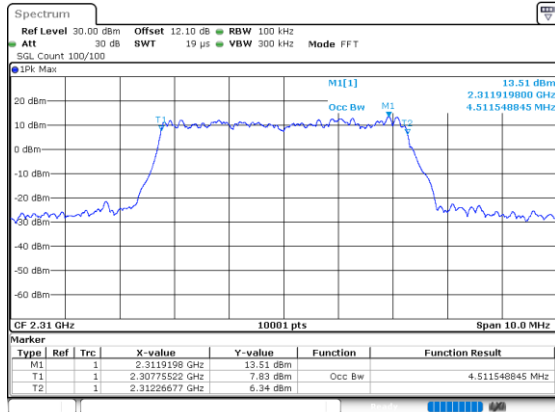
Middle Channel / 10MHz / 64QAM



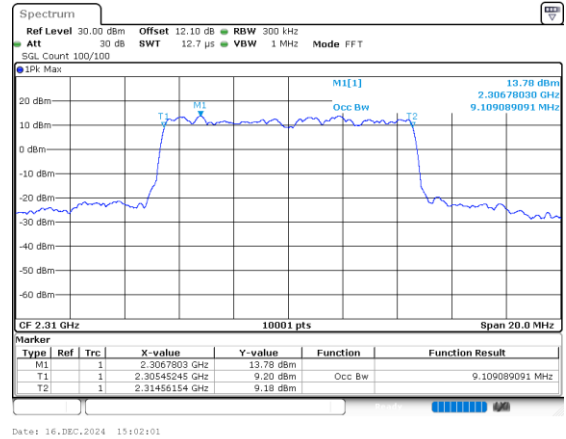


LTE Band 30

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM

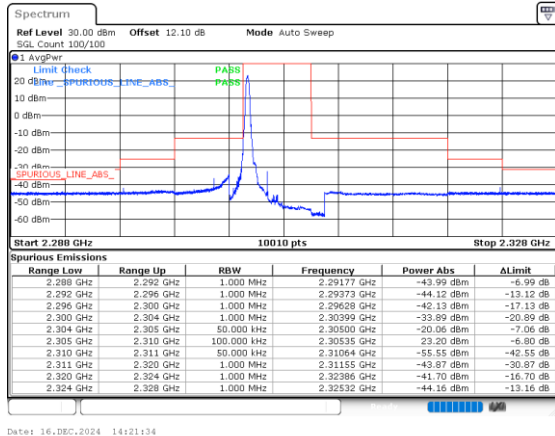




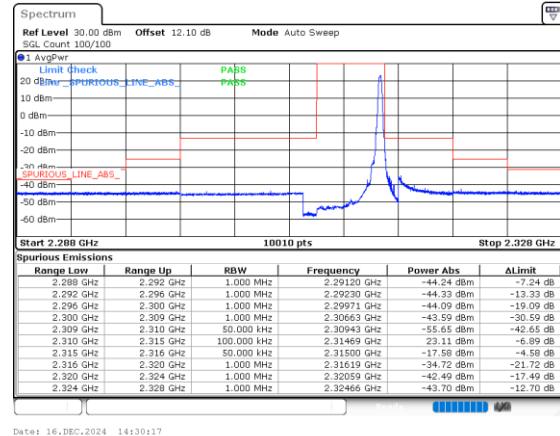
Conducted Band Edge

LTE Band 30 / 5MHz / QPSK

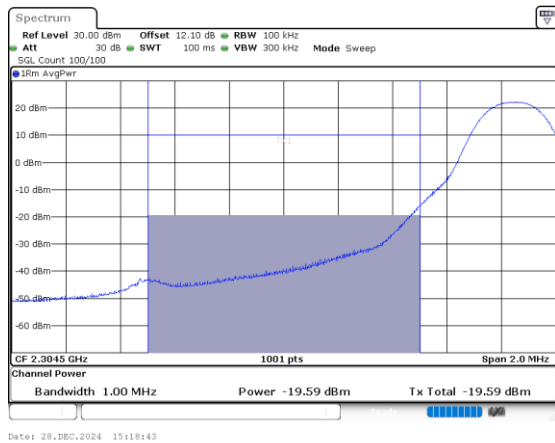
Lowest Band Edge / 1 RB



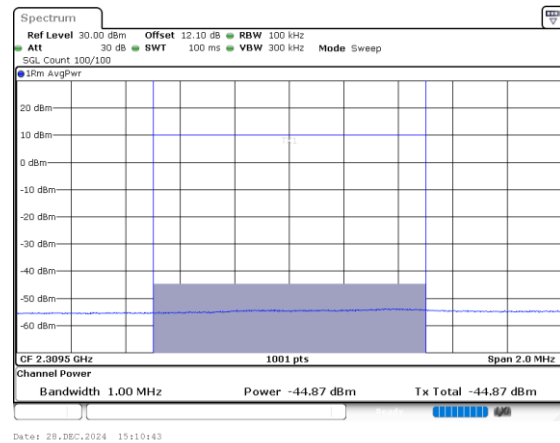
Highest Band Edge / 1 RB



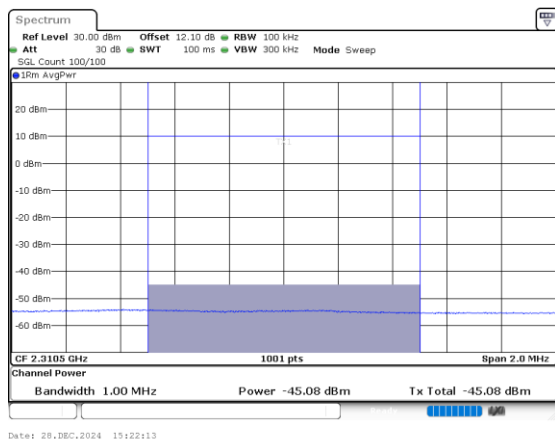
Lowest Band Edge / 1 RB / Lower zoom in



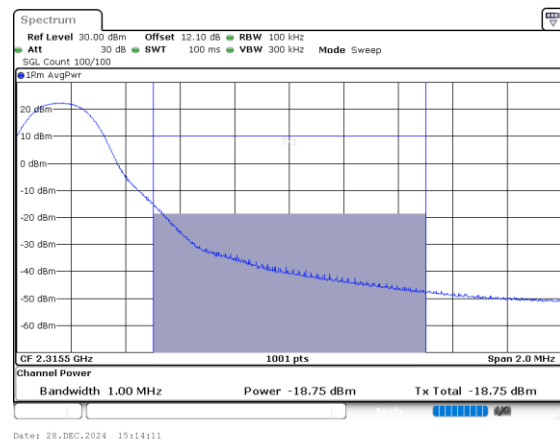
Highest Band Edge / 1 RB / Lower zoom in



Lowest Band Edge / 1 RB / Upper zoom in



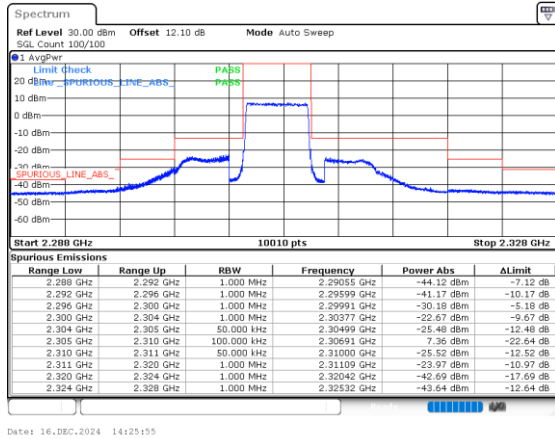
Highest Band Edge / 1 RB / Upper zoom in



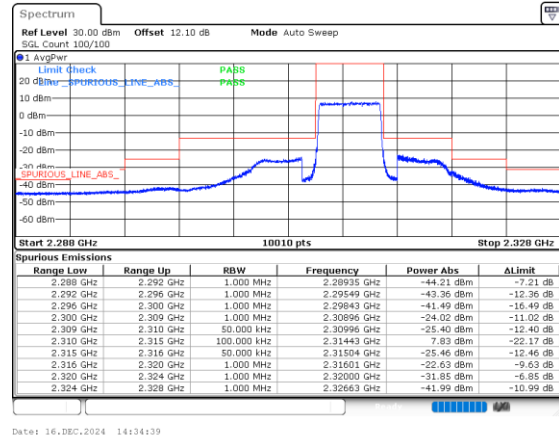


LTE Band 30 / 5MHz / QPSK

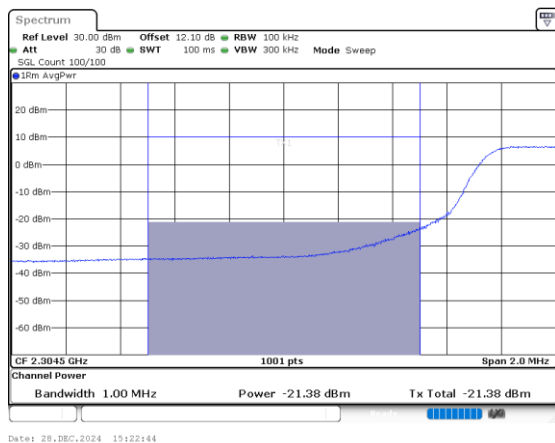
Lowest Band Edge / Full RB



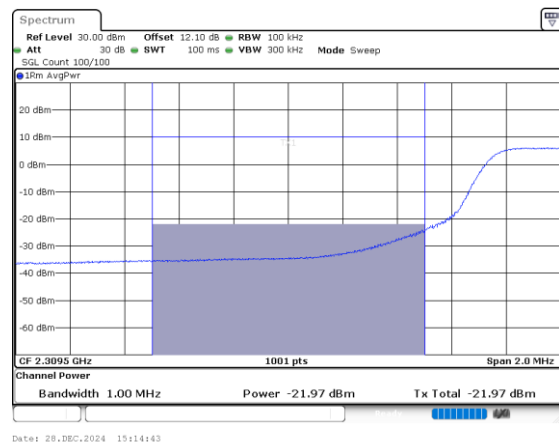
Highest Band Edge / Full RB



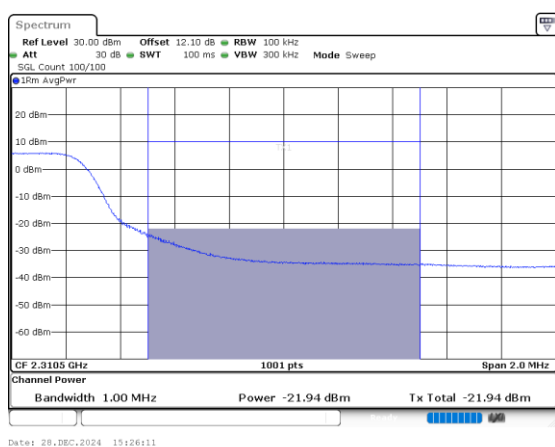
Lowest Band Edge / Full RB / Lower zoom in



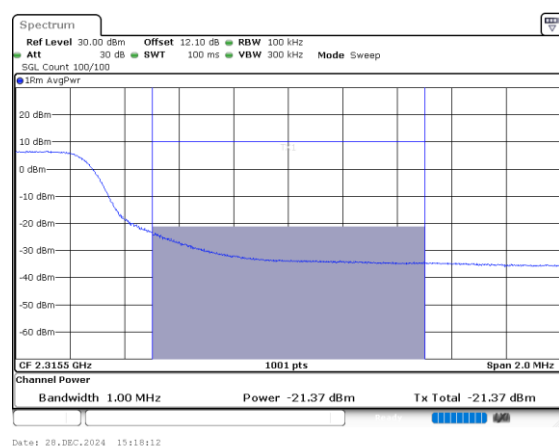
Highest Band Edge / Full RB / Lower zoom in



Lowest Band Edge / Full RB / Upper zoom in



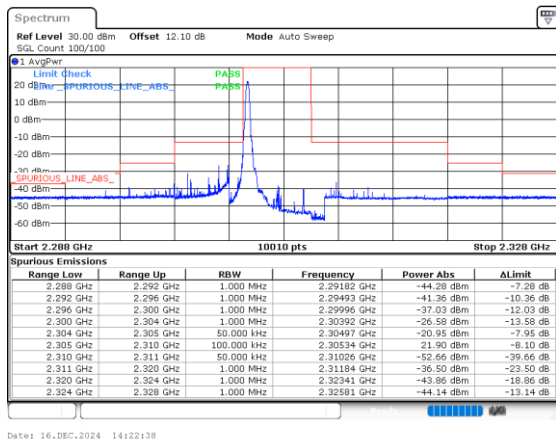
Highest Band Edge / Full RB / Upper zoom in



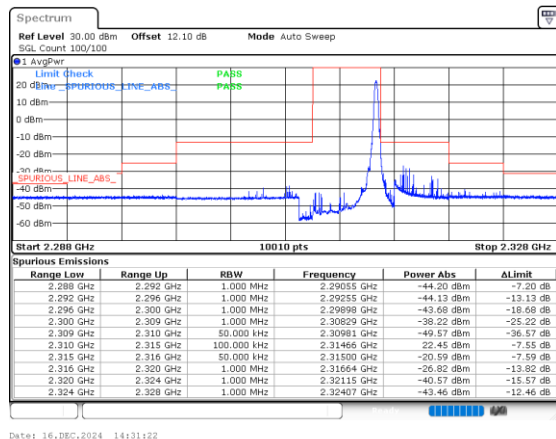


LTE Band 30 / 5MHz / 16QAM

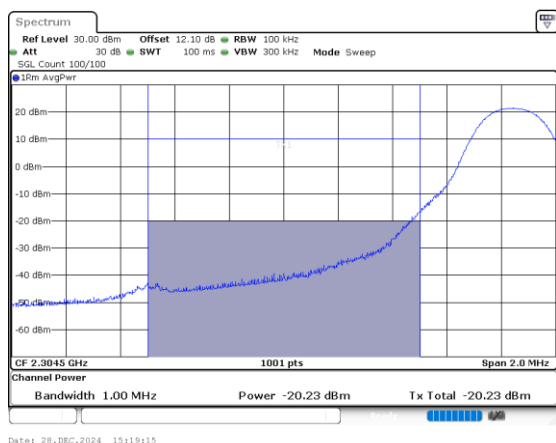
Lowest Band Edge / 1 RB



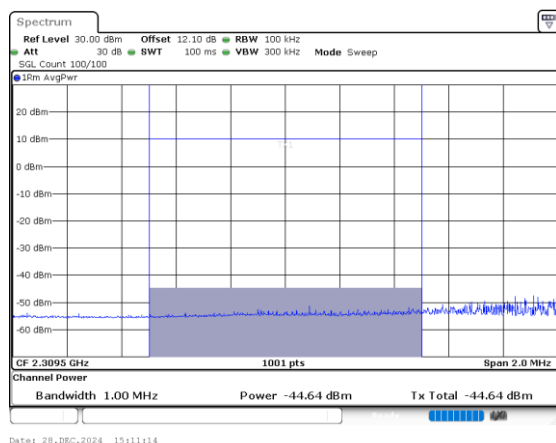
Highest Band Edge / 1 RB



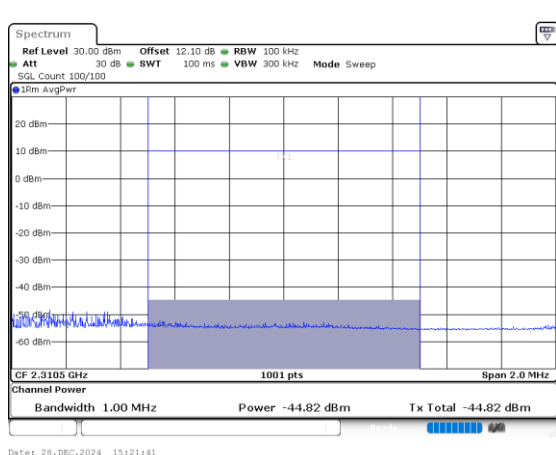
Lowest Band Edge / 1 RB / Lower zoom in



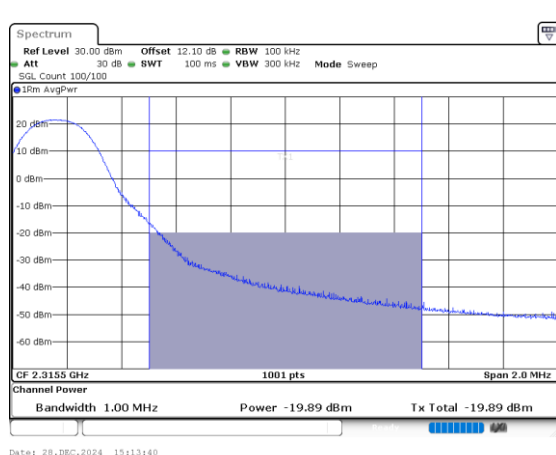
Highest Band Edge / 1 RB / Lower zoom in



Lowest Band Edge / 1 RB / Upper zoom in



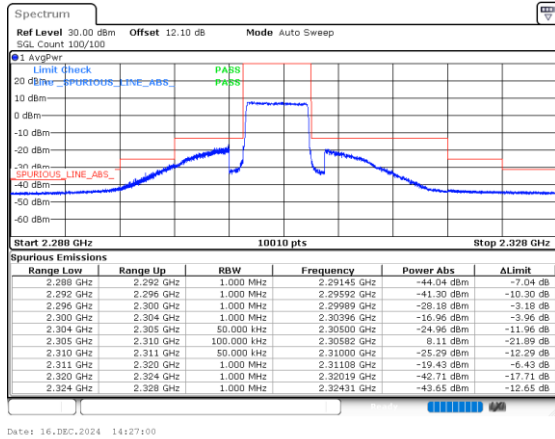
Highest Band Edge / 1 RB / Upper zoom in



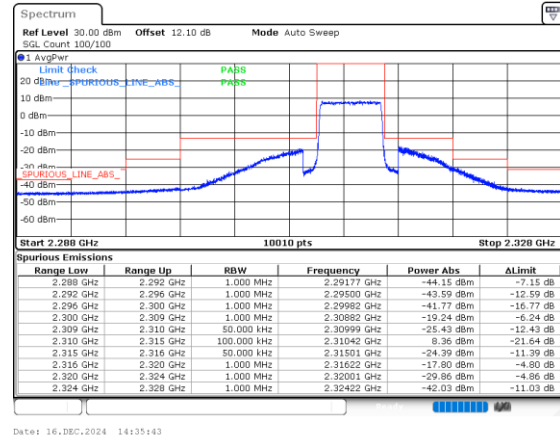


LTE Band 30 / 5MHz / 16QAM

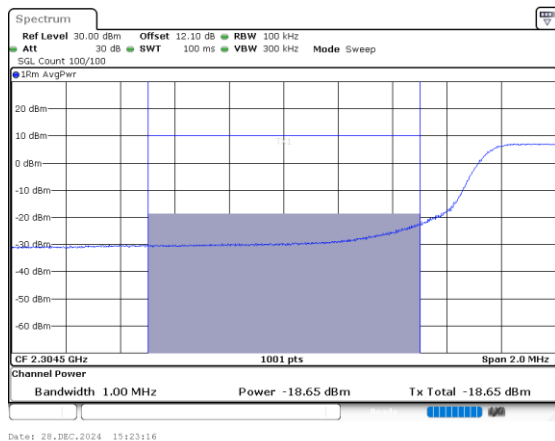
Lowest Band Edge / Full RB



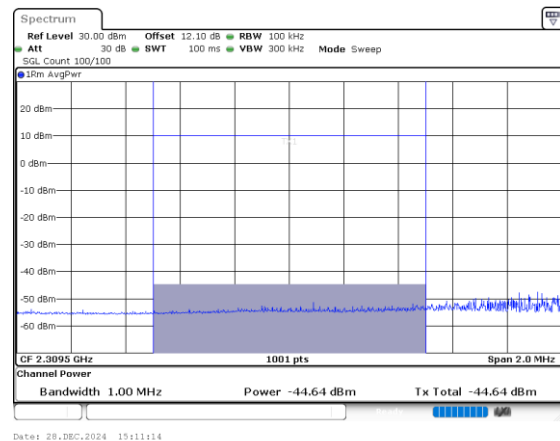
Highest Band Edge / Full RB



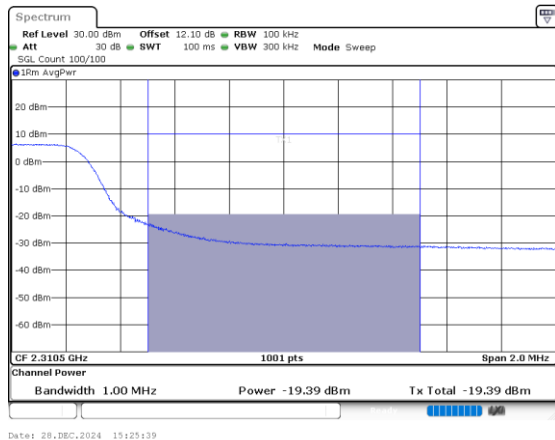
Lowest Band Edge / Full RB / Lower zoom in



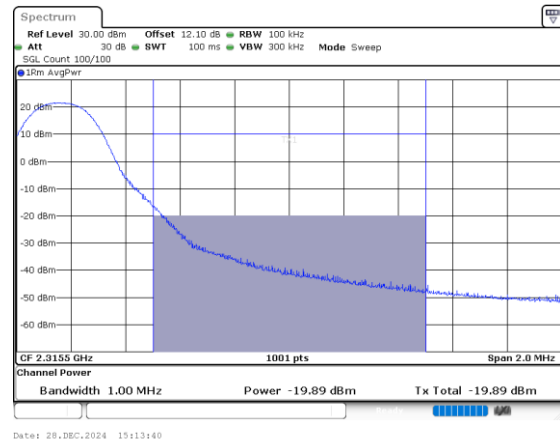
Highest Band Edge / Full RB / Lower zoom in



Lowest Band Edge / Full RB / Upper zoom in



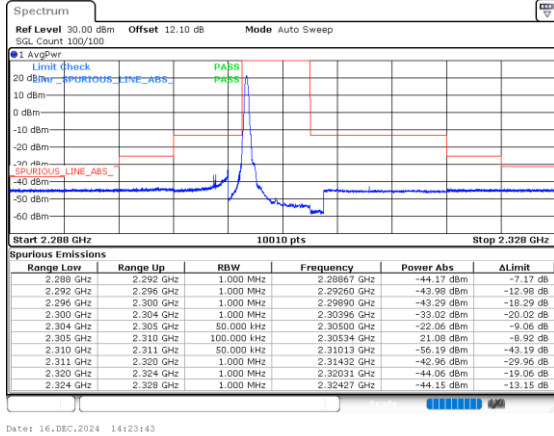
Highest Band Edge / Full RB / Upper zoom in



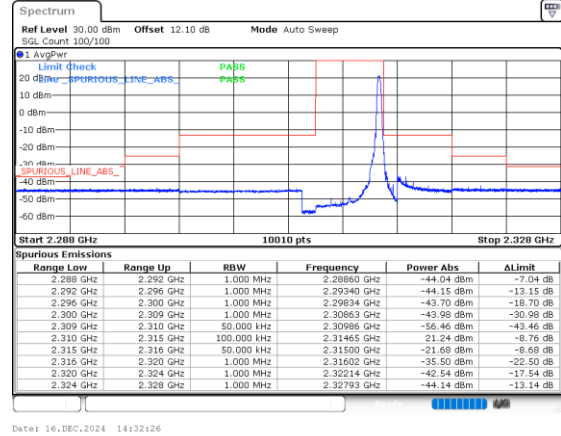


LTE Band 30 / 5MHz / 64QAM

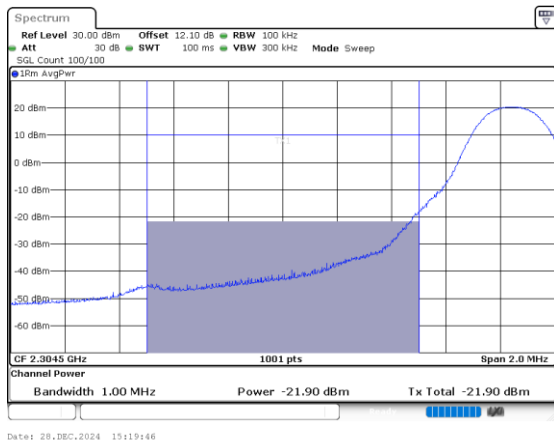
Lowest Band Edge / 1 RB



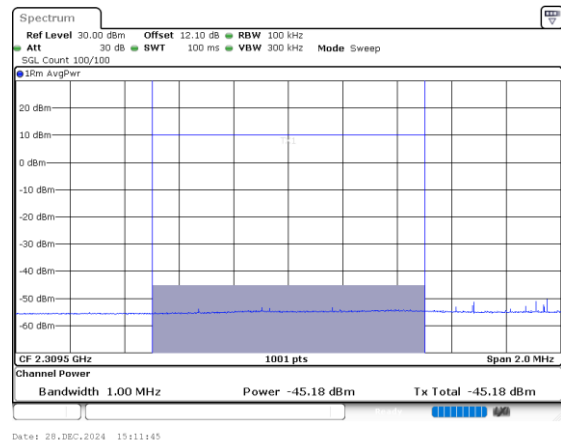
Highest Band Edge / 1 RB



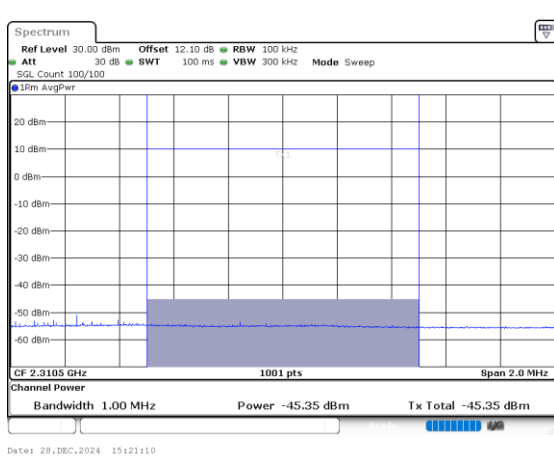
Lowest Band Edge / 1 RB / Lower zoom in



Highest Band Edge / 1 RB / Lower zoom in



Lowest Band Edge / 1 RB / Upper zoom in



Highest Band Edge / 1 RB / Upper zoom in

