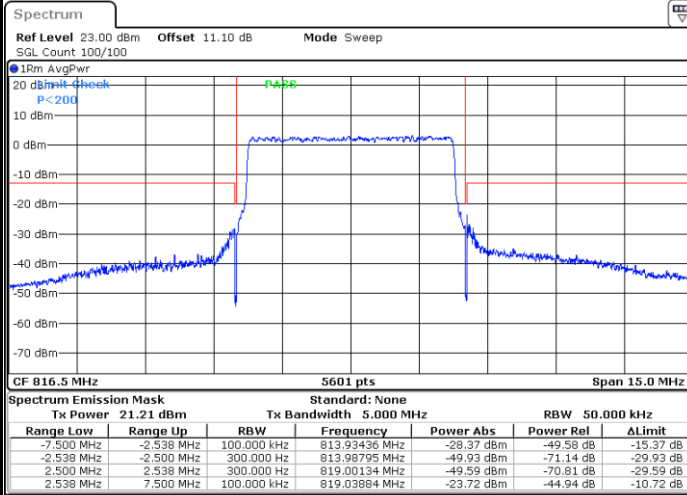


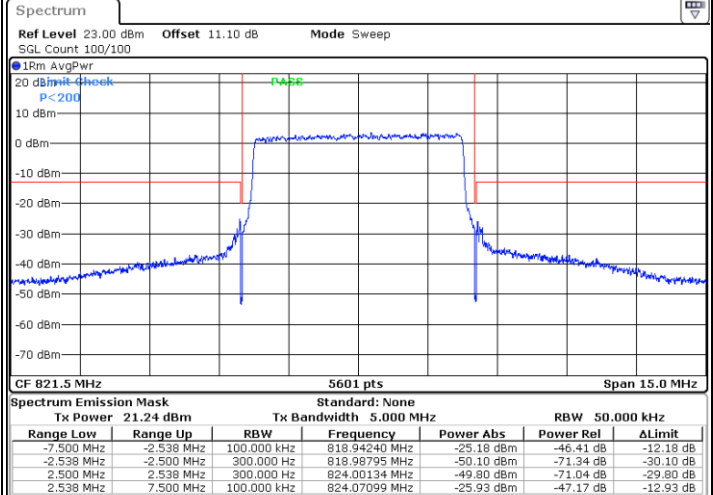


LTE Band 26 / 5MHz / 64QAM

Lowest Channel / Full RB

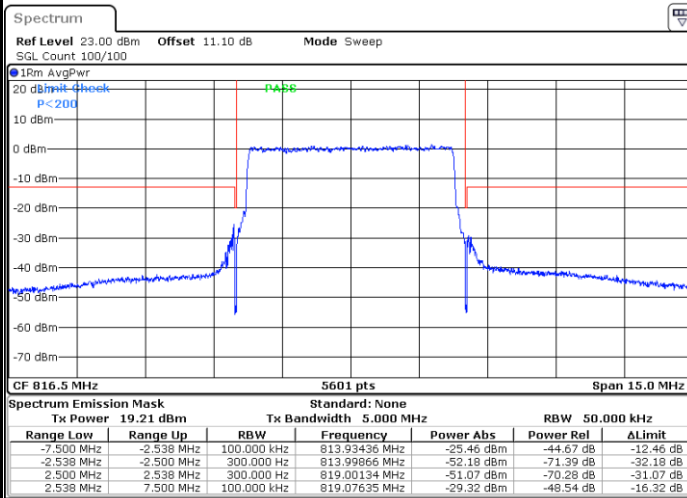


Highest Channel / Full RB

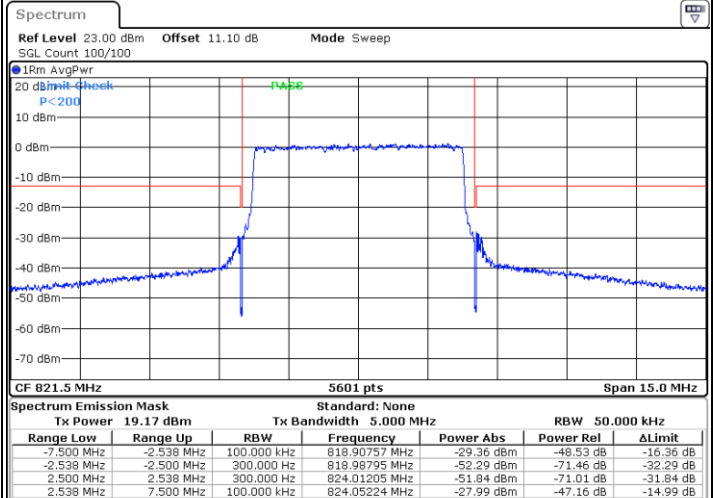


LTE Band 26 / 5MHz / 256QAM

Lowest Channel / Full RB



Highest Channel / Full RB

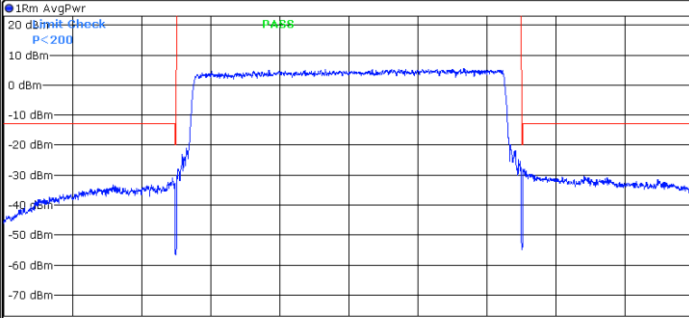




LTE Band 26 / 10MHz / QPSK

Lowest Channel / Full RB

Spectrum

Ref Level 23.00 dBm Offset 11.10 dB Mode Sweep
SGL Count 100/100

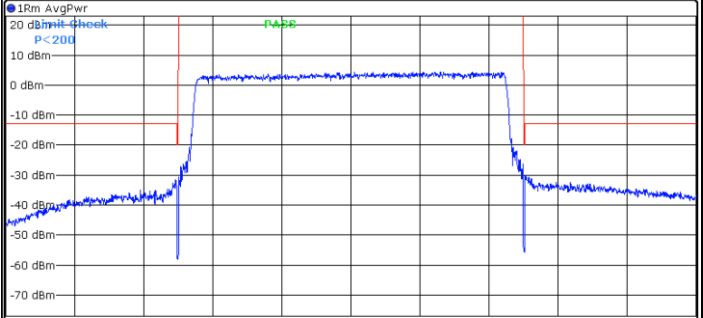
CF 819.0 MHz		5601 pts	Span 20.0 MHz	
Spectrum Emission Mask		Standard: None		
Tx Power 23.24 dBm		Tx Bandwidth 10.000 MHz		
Range Low	Range Up	RBW	Frequency	Power Abs
-10.000 MHz	-5.038 MHz	100.000 kHz	813.88569 MHz	-31.00 dBm
-5.038 MHz	-5.000 MHz	300.000 Hz	813.99813 MHz	-54.90 dBm
5.000 MHz	5.038 MHz	300.000 Hz	824.00188 MHz	-52.78 dBm
5.038 MHz	10.000 MHz	100.000 kHz	824.03929 MHz	-51.29 dBm

Date: 9.NOV.2024 05:53:35

LTE Band 26 / 10MHz / 16QAM

Lowest Channel / Full RB

Spectrum

Ref Level 23.00 dBm Offset 11.10 dB Mode Sweep
SGL Count 100/100

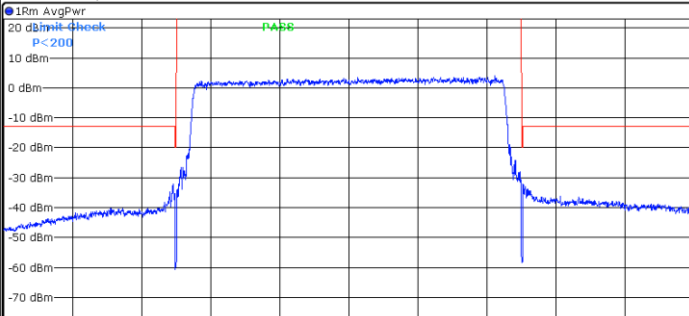
CF 819.0 MHz		5601 pts	Span 20.0 MHz	
Spectrum Emission Mask		Standard: None		
Tx Power 22.26 dBm		Tx Bandwidth 10.000 MHz		
Range Low	Range Up	RBW	Frequency	Power Abs
-10.000 MHz	-5.038 MHz	100.000 kHz	813.91427 MHz	-31.49 dBm
-5.038 MHz	-5.000 MHz	300.000 Hz	813.98312 MHz	-56.78 dBm
5.000 MHz	5.038 MHz	300.000 Hz	824.00188 MHz	-54.13 dBm
5.038 MHz	10.000 MHz	100.000 kHz	824.06787 MHz	-52.32 dBm

Date: 9.NOV.2024 05:54:37

LTE Band 26 / 10MHz / 64QAM

Lowest Channel / Full RB

Spectrum

Ref Level 23.00 dBm Offset 11.10 dB Mode Sweep
SGL Count 100/100

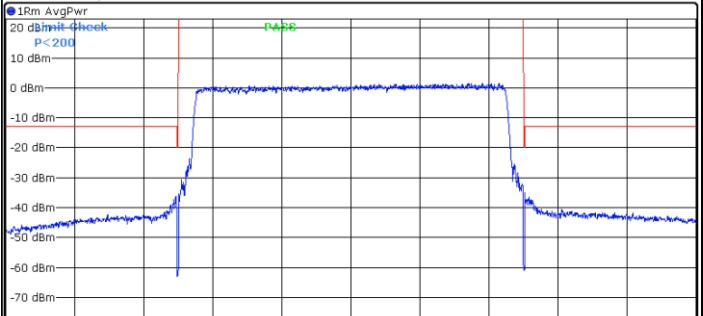
CF 819.0 MHz		5601 pts	Span 20.0 MHz	
Spectrum Emission Mask		Standard: None		
Tx Power 21.25 dBm		Tx Bandwidth 10.000 MHz		
Range Low	Range Up	RBW	Frequency	Power Abs
-10.000 MHz	-5.038 MHz	100.000 kHz	813.91070 MHz	-32.10 dBm
-5.038 MHz	-5.000 MHz	300.000 Hz	813.99813 MHz	-58.23 dBm
5.000 MHz	5.038 MHz	300.000 Hz	824.00188 MHz	-56.69 dBm
5.038 MHz	10.000 MHz	100.000 kHz	824.04286 MHz	-32.06 dBm

Date: 9.NOV.2024 06:05:30

LTE Band 26 / 10MHz / 256QAM

Lowest Channel / Full RB

Spectrum

Ref Level 23.00 dBm Offset 11.10 dB Mode Sweep
SGL Count 100/100

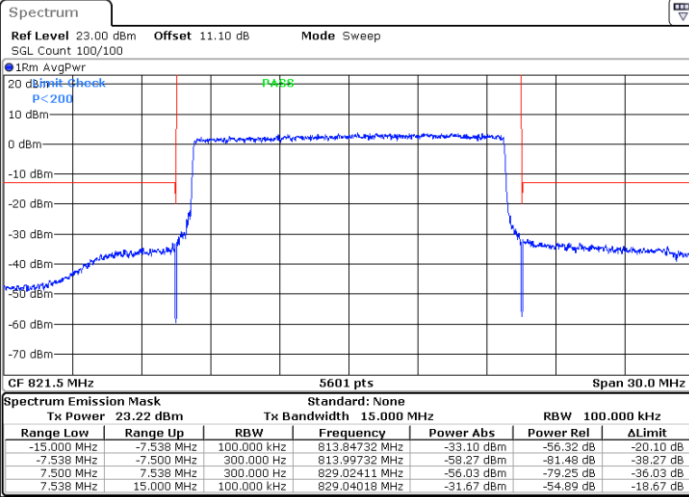
CF 819.0 MHz		5601 pts	Span 20.0 MHz	
Spectrum Emission Mask		Standard: None		
Tx Power 19.19 dBm		Tx Bandwidth 10.000 MHz		
Range Low	Range Up	RBW	Frequency	Power Abs
-10.000 MHz	-5.038 MHz	100.000 kHz	813.93570 MHz	-36.30 dBm
-5.038 MHz	-5.000 MHz	300.000 Hz	813.98312 MHz	-60.96 dBm
5.000 MHz	5.038 MHz	300.000 Hz	824.01313 MHz	-59.38 dBm
5.038 MHz	10.000 MHz	100.000 kHz	824.03929 MHz	-34.97 dBm

Date: 9.NOV.2024 06:36:51



LTE Band 26 / 15MHz / QPSK

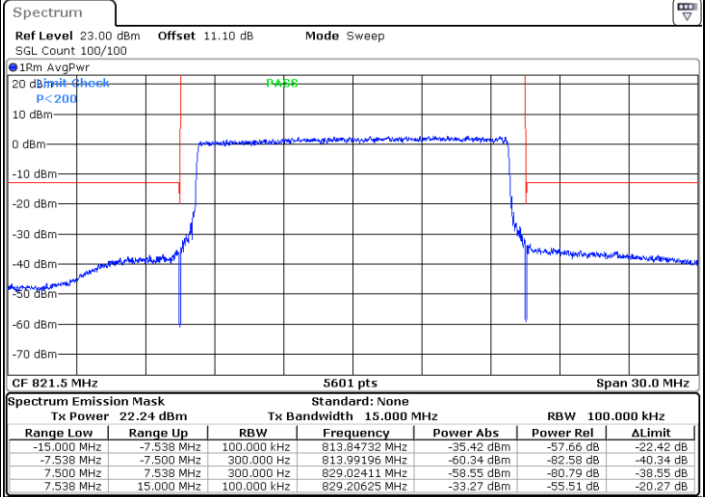
Lowest Channel / Full RB



Date: 9.NOV.2024 05:59:13

LTE Band 26 / 15MHz / 16QAM

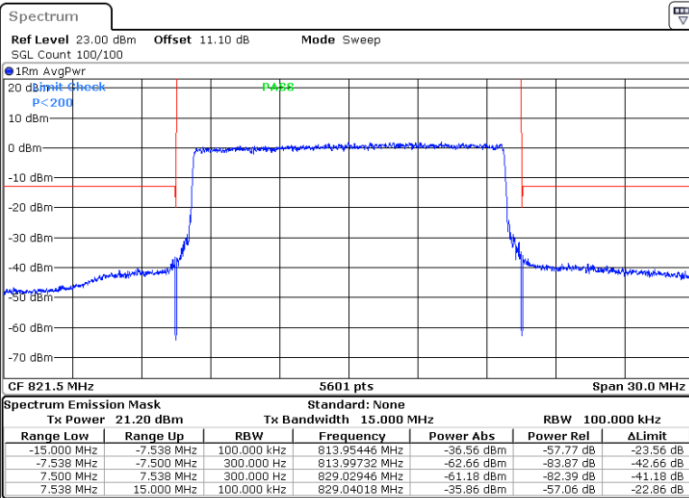
Lowest Channel / Full RB



Date: 9.NOV.2024 06:00:15

LTE Band 26 / 15MHz / 64QAM

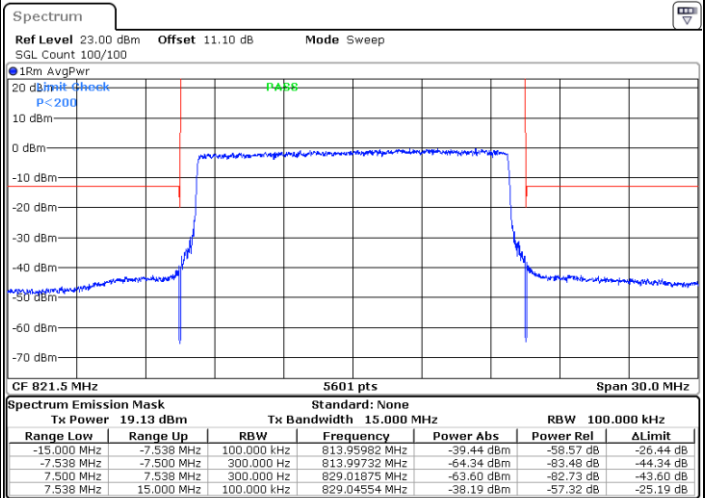
Lowest Channel / Full RB



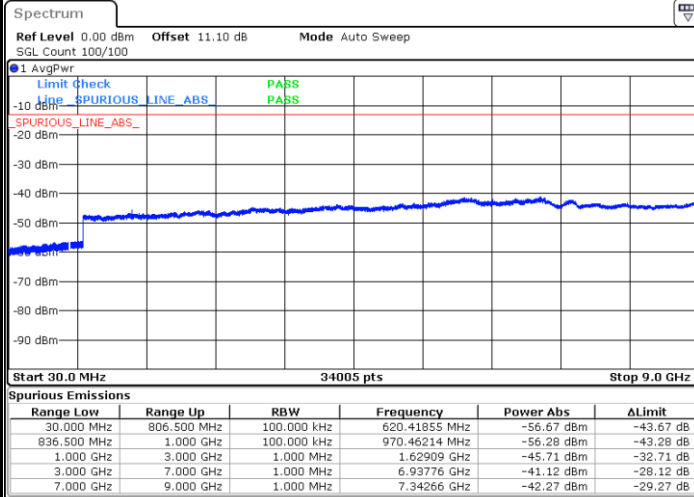
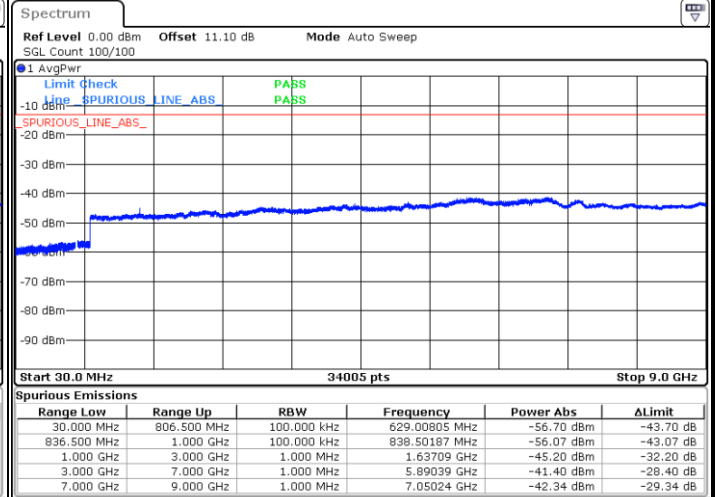
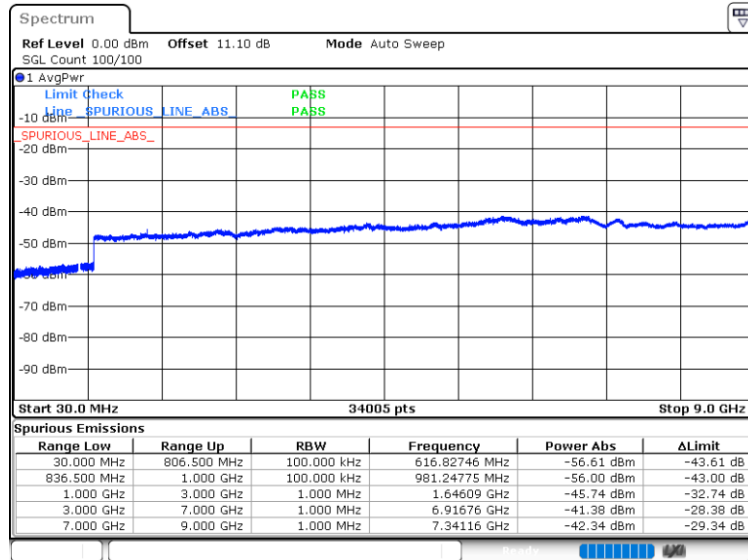
Date: 9.NOV.2024 06:06:34

LTE Band 26 / 15MHz / 256QAM

Lowest Channel / Full RB



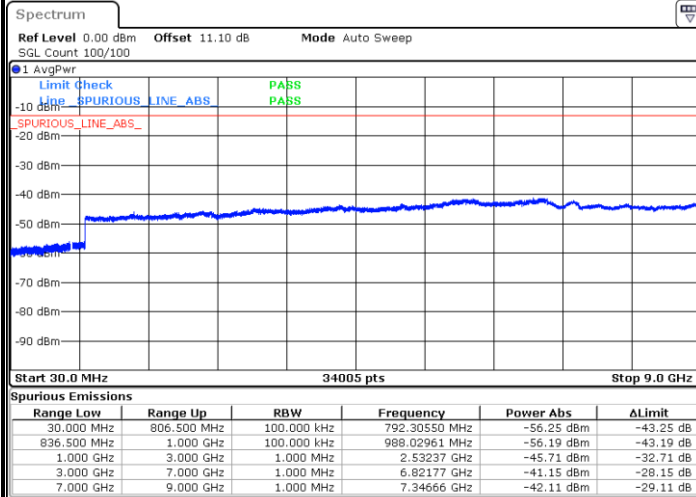
Date: 9.NOV.2024 06:37:56

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



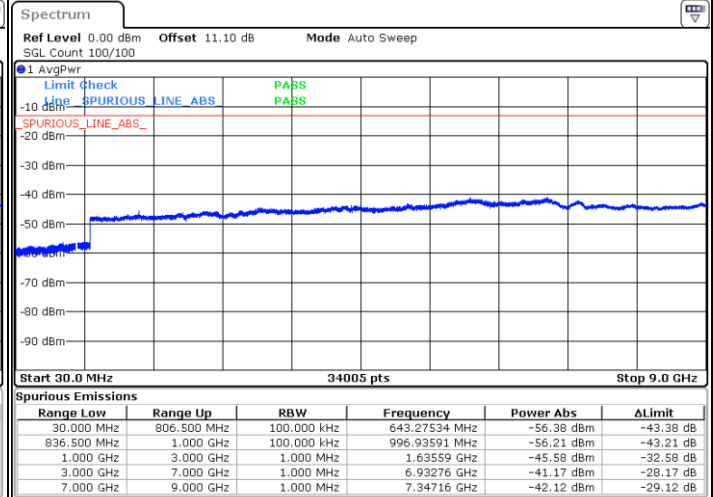
LTE Band 26 / 3MHz

Lowest Channel / QPSK



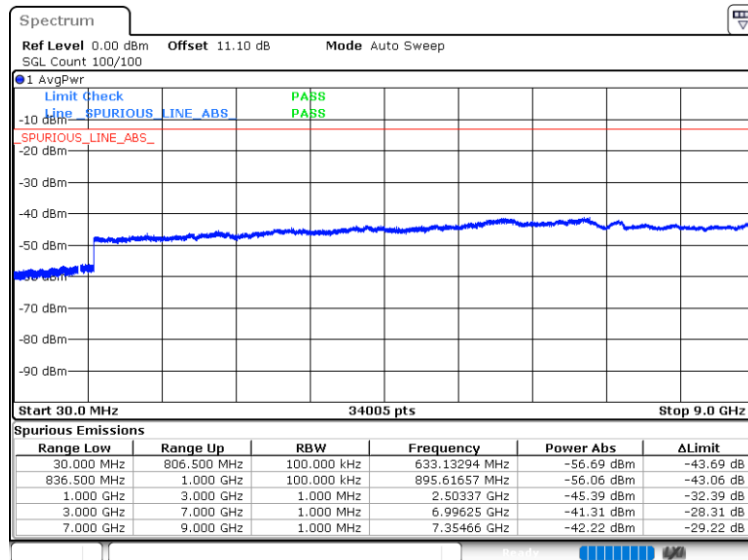
Date: 9.NOV.2024 06:51:38

Middle Channel / QPSK



Date: 9.NOV.2024 06:52:51

Highest Channel / QPSK

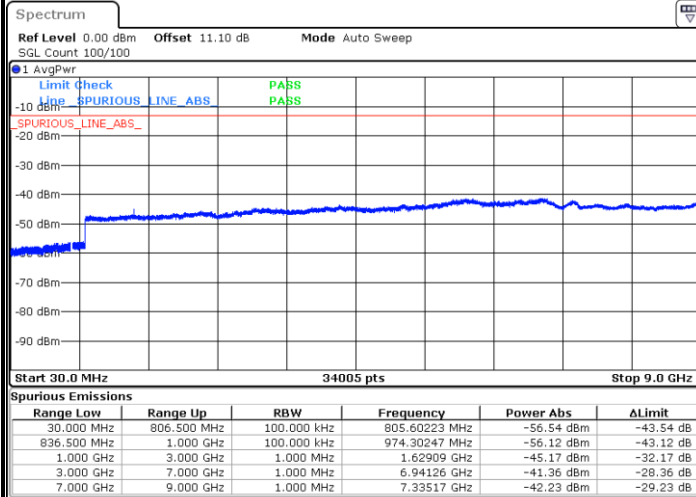


Date: 9.NOV.2024 06:54:04



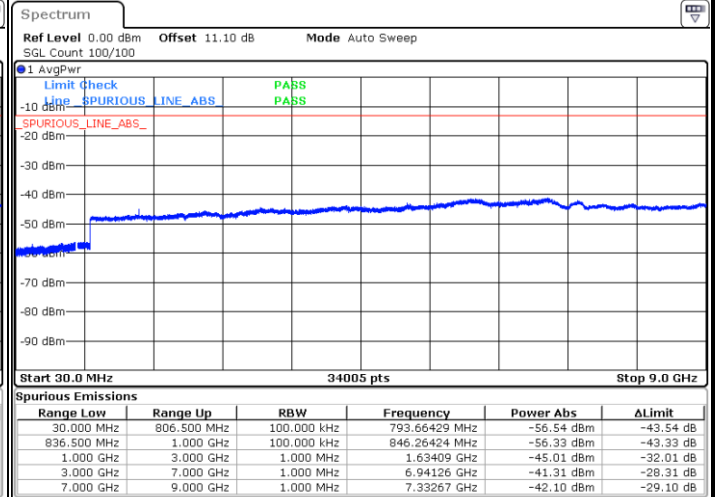
LTE Band 26 / 5MHz

Lowest Channel / QPSK



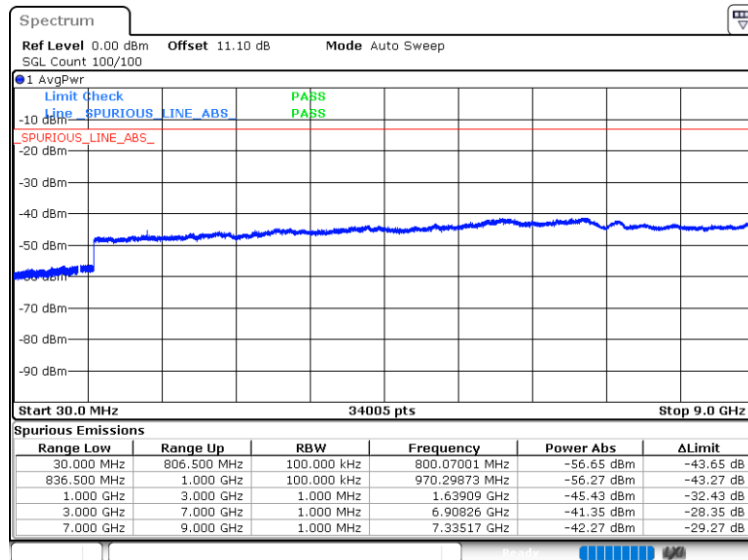
Date: 9.NOV.2024 06:55:19

Middle Channel / QPSK



Date: 9.NOV.2024 06:56:31

Highest Channel / QPSK

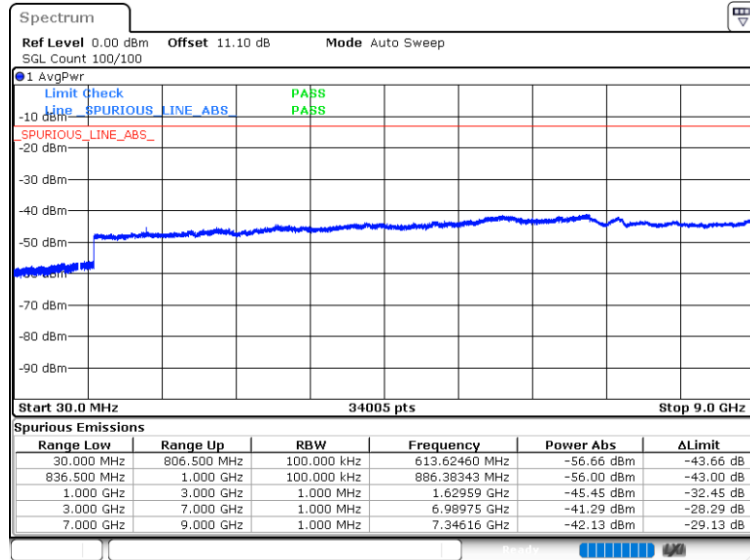


Date: 9.NOV.2024 06:57:44



LTE Band 26 / 10MHz

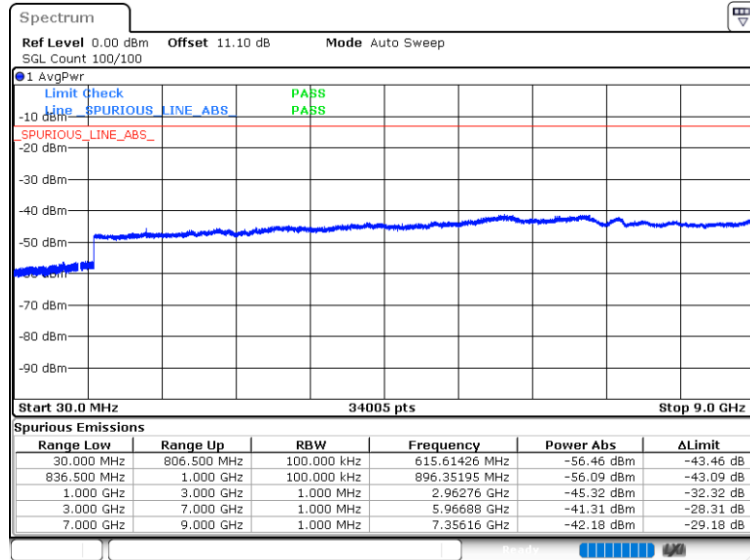
Middle Channel / QPSK





LTE Band 26 / 15MHz

Lowest Channel / QPSK



Date: 9.NOV.2024 07:00:13

Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0077	PASS
40	Normal Voltage	0.0165	
30	Normal Voltage	0.0182	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0179	
-10	Normal Voltage	0.0151	
-20	Normal Voltage	0.0066	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0159	

Note: Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 3.465 V.



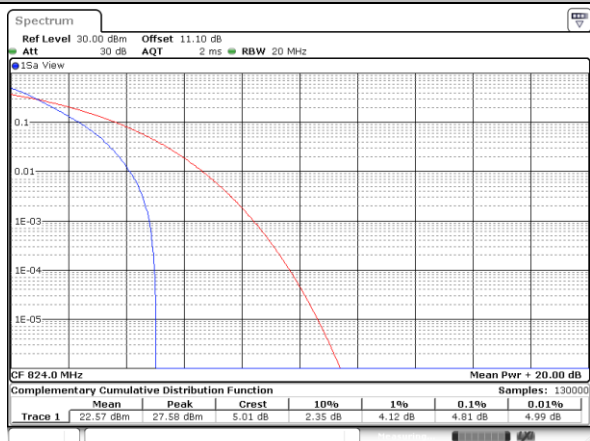
LTE Band 26_Part 90S_824 MHz

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
824MHz	4.81	5.68	6.23	6.46	PASS

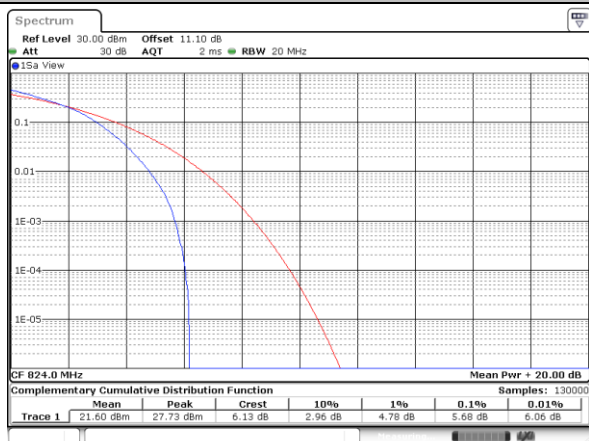
LTE Band 26 / 15MHz / QPSK

824MHz / Full RB



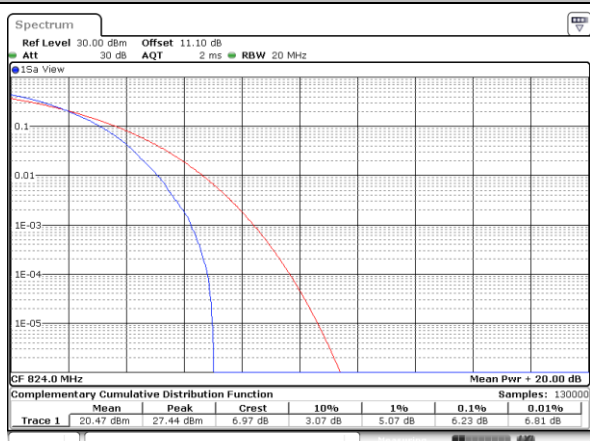
LTE Band 26 / 15MHz / 16QAM

824MHz / Full RB



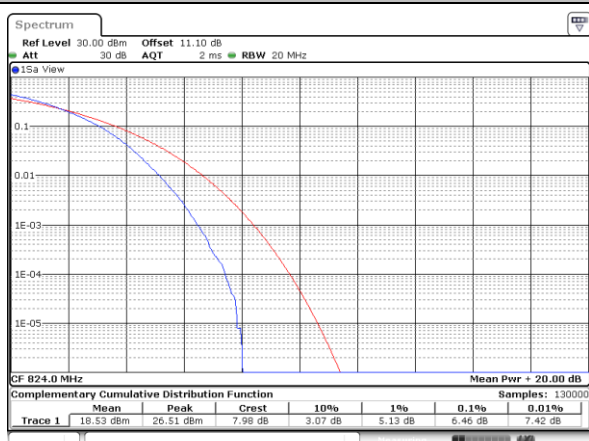
LTE Band 26 / 15MHz / 64QAM

824MHz / Full RB



LTE Band 26 / 15MHz / 256QAM

824MHz / Full RB



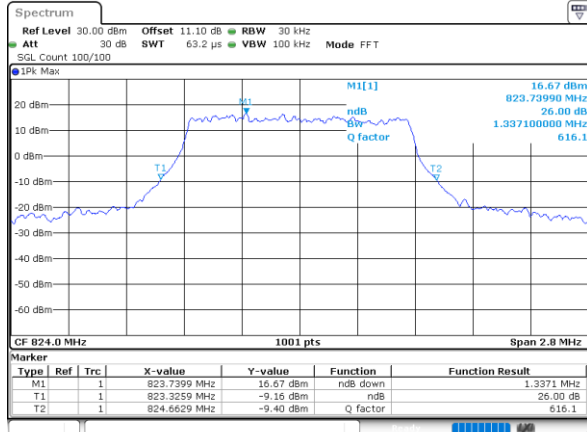
**26dB Bandwidth**

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
824MHzCH	1.33	1.34	3.10	3.09	4.88	5.01	9.75	9.73	14.59	14.56	-	-
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
824MHzCH	1.31	1.34	3.05	3.13	5.02	5.03	9.86	9.86	14.23	14.59	-	-

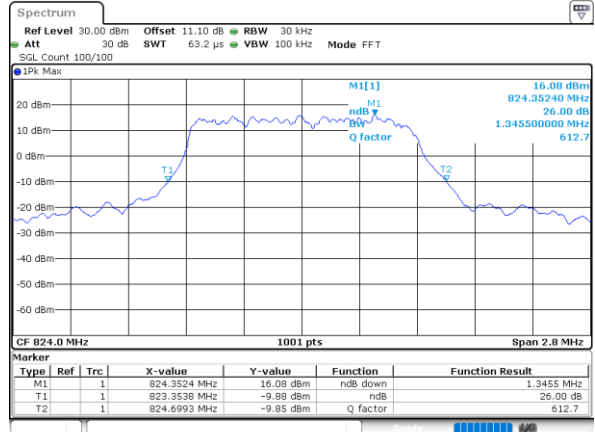


LTE Band 26

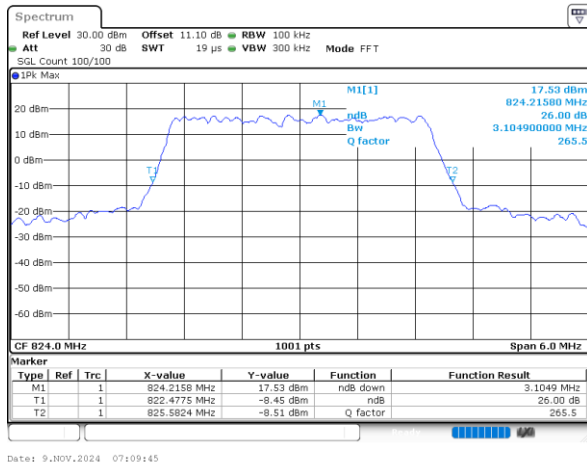
824MHz / 1.4MHz / QPSK



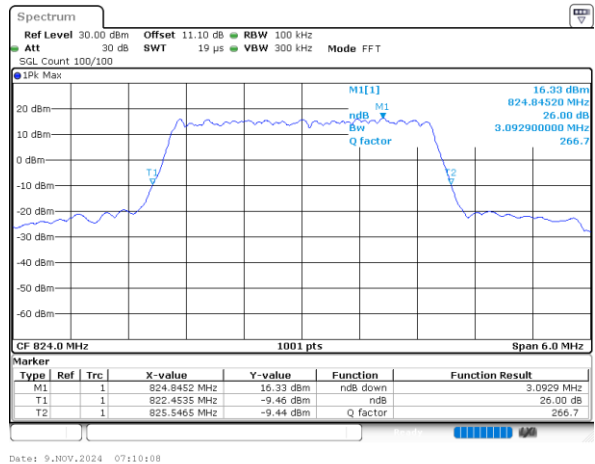
824MHz / 1.4MHz / 16QAM



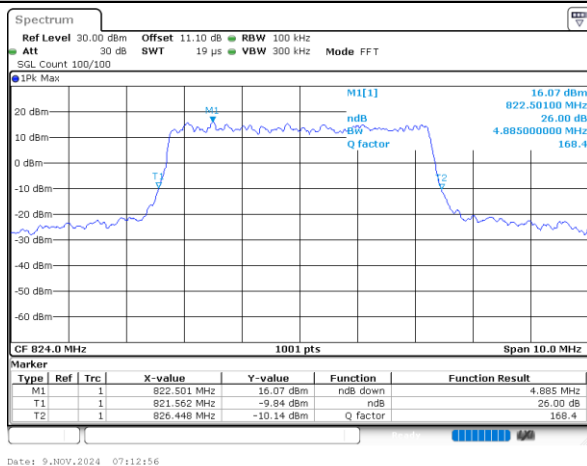
824MHz / 3MHz / QPSK



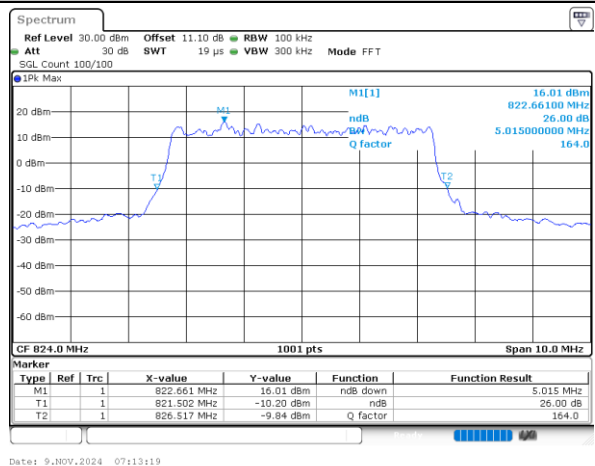
824MHz / 3MHz / 16QAM



824MHz / 5MHz / QPSK



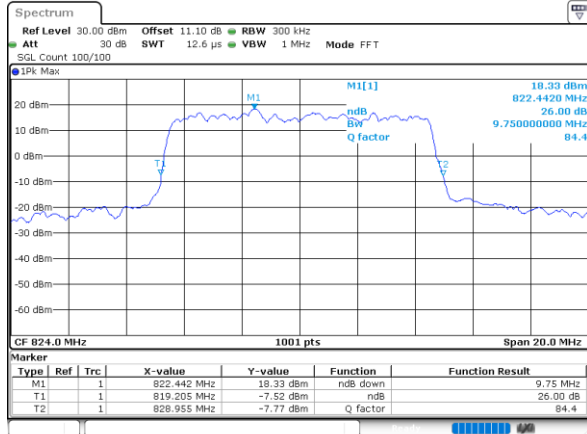
824MHz / 5MHz / 16QAM





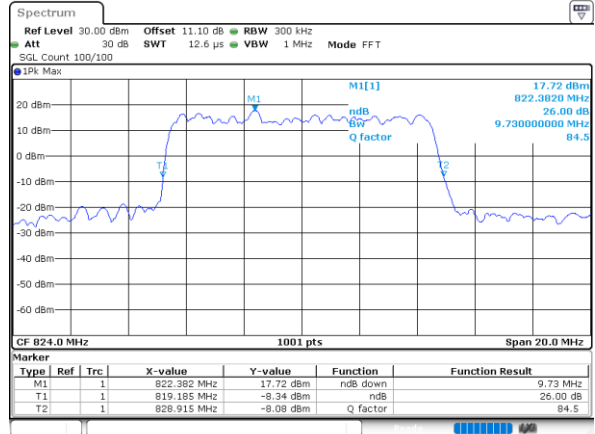
LTE Band 26

824MHz / 10MHz / QPSK



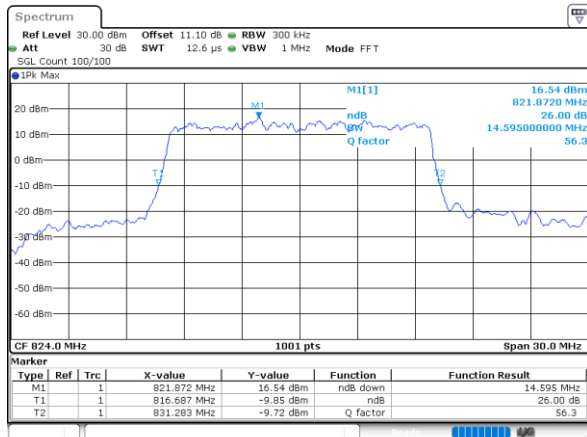
Date: 9.NOV.2024 07:16:07

824MHz / 10MHz / 16QAM



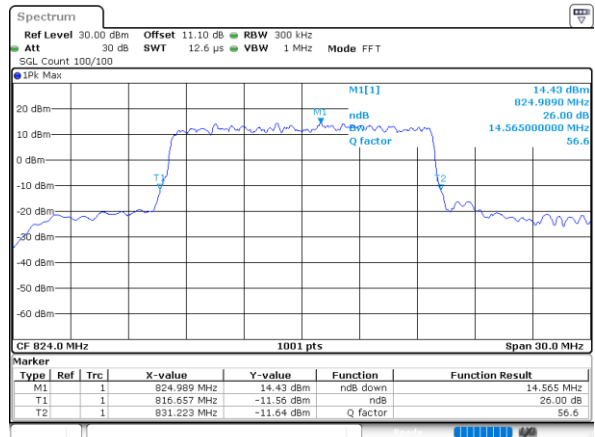
Date: 9.NOV.2024 07:16:30

824MHz / 15MHz / QPSK



Date: 9.NOV.2024 07:19:19

824MHz / 15MHz / 16QAM

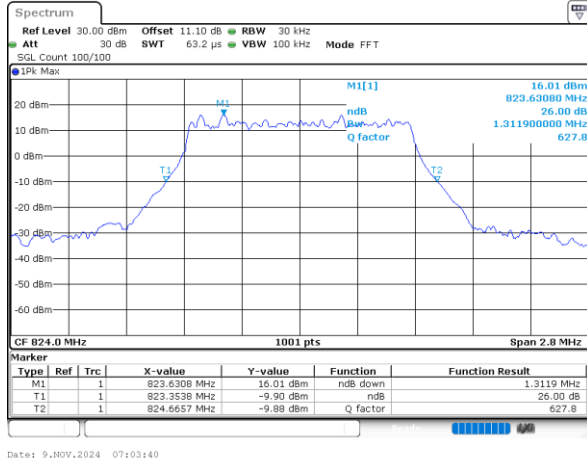


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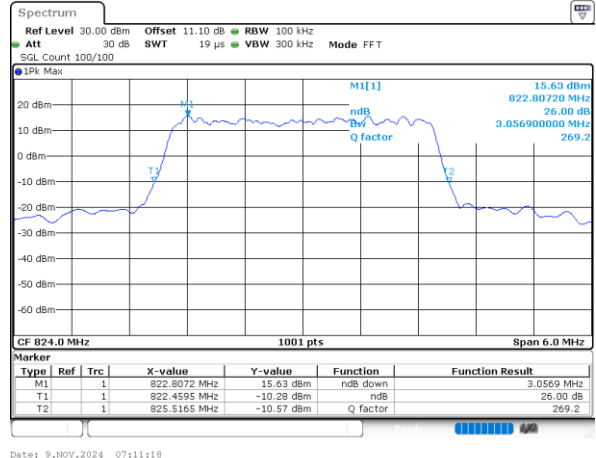


LTE Band 26

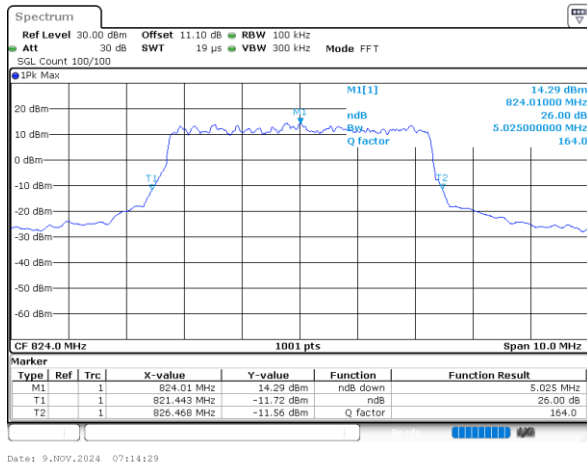
824MHz / 1.4MHz / 64QAM



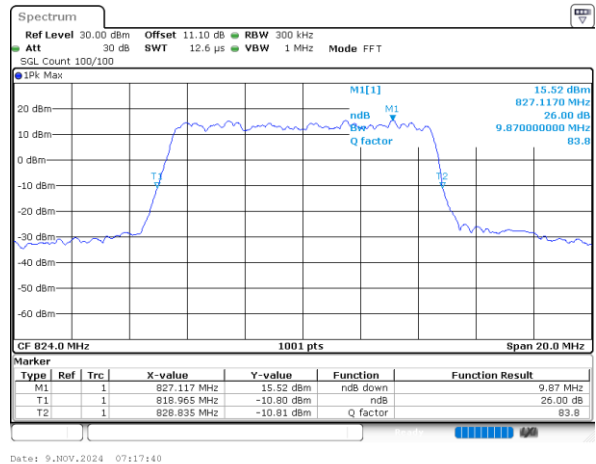
824MHz / 3MHz / 64QAM



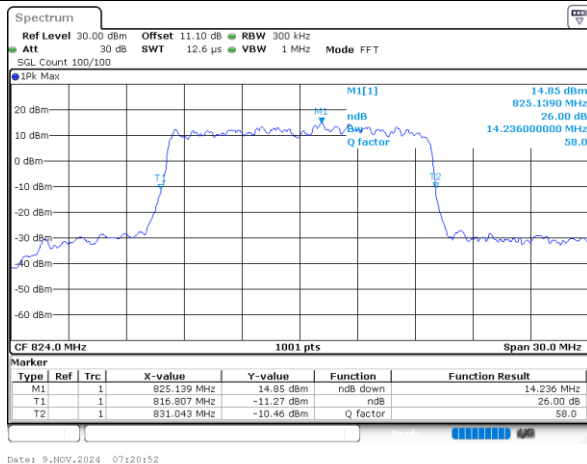
824MHz / 5MHz / 64QAM



824MHz / 10MHz / 64QAM



824MHz / 15MHz / 64QAM

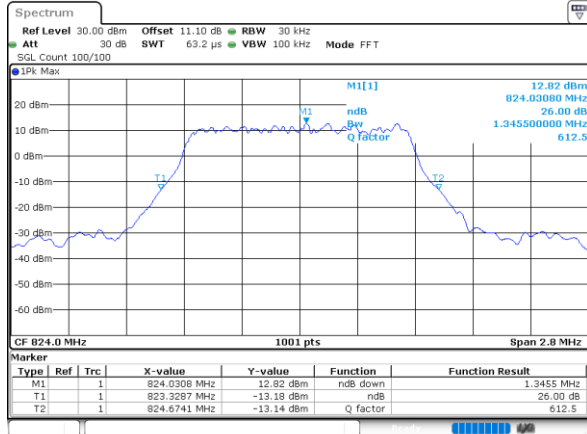


N/A

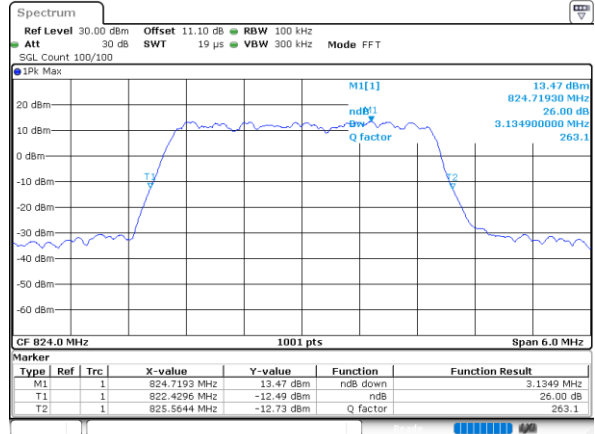


LTE Band 26

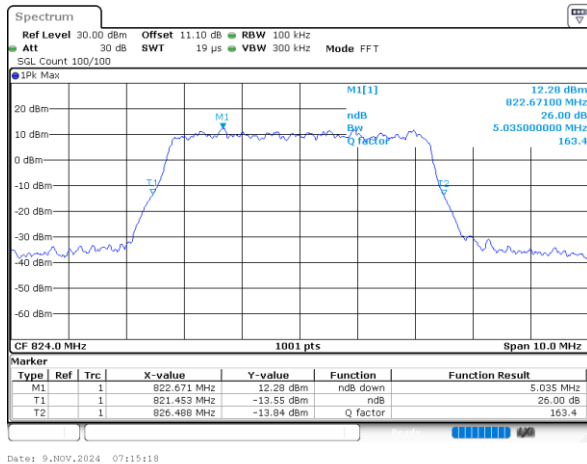
824MHz / 1.4MHz / 256QAM



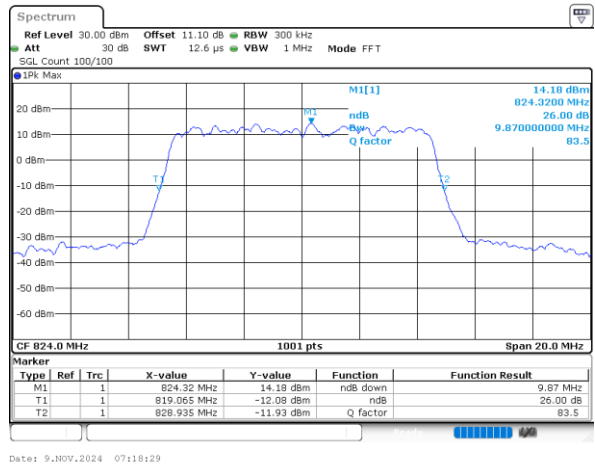
824MHz / 3MHz / 256QAM



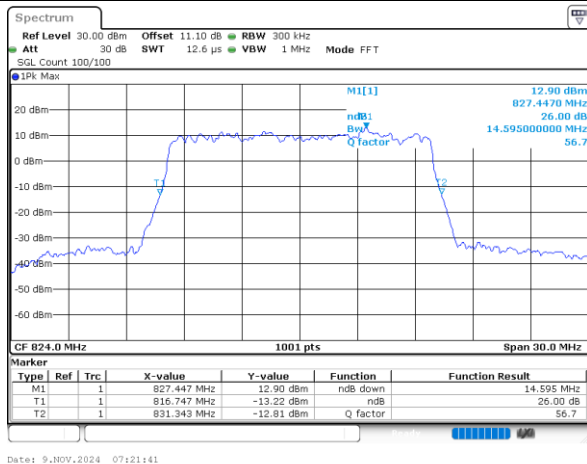
824MHz / 5MHz / 256QAM



824MHz / 10MHz / 256QAM



824MHz / 15MHz / 256QAM



N/A

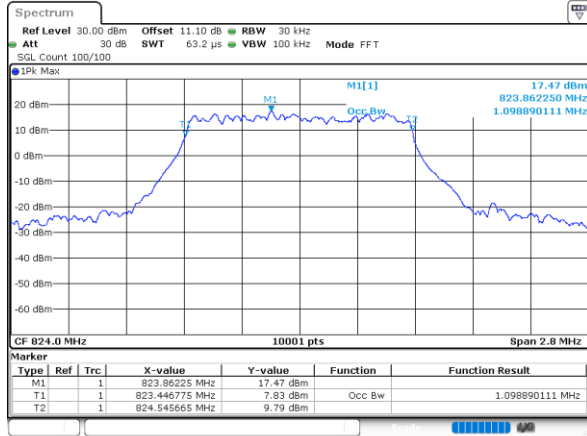
**Occupied Bandwidth**

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	2.74	2.72	4.48	4.49	9.01	9.05	13.49	13.47	-	-
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	1.07	1.08	2.72	2.72	4.48	4.47	9.03	9.00	13.45	13.49	-	-

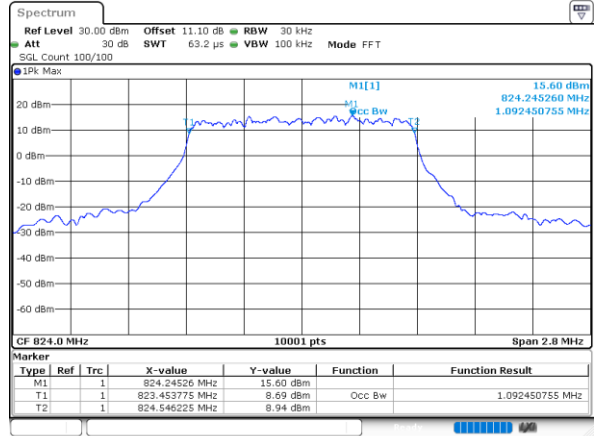


LTE Band 26

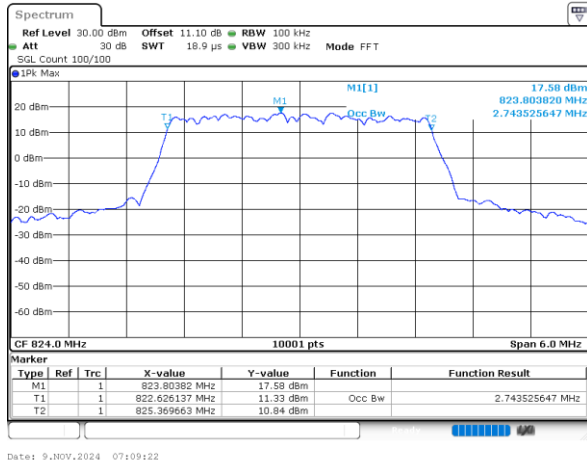
824MHz / 1.4MHz / QPSK



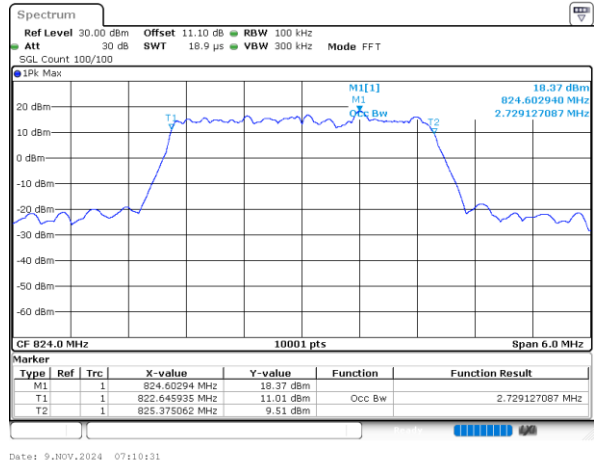
824MHz / 1.4MHz / 16QAM



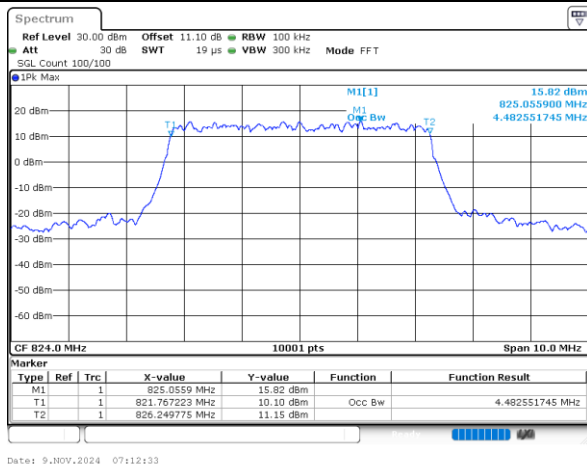
824MHz / 3MHz / QPSK



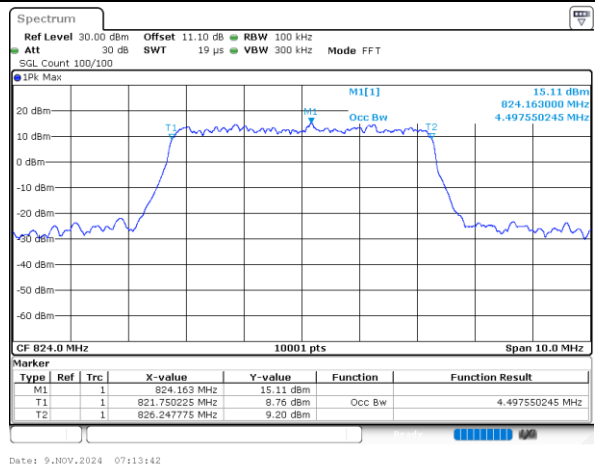
824MHz / 3MHz / 16QAM



824MHz / 5MHz / QPSK



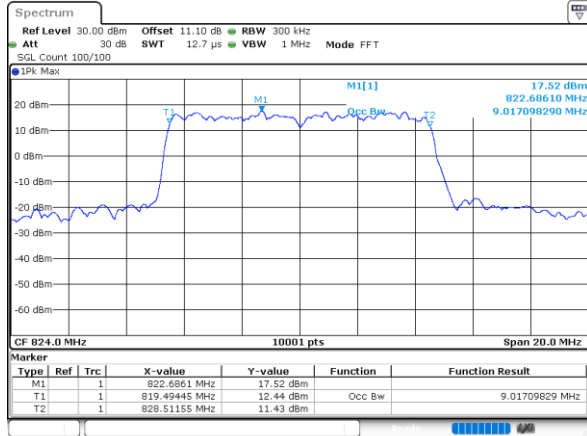
824MHz / 5MHz / 16QAM



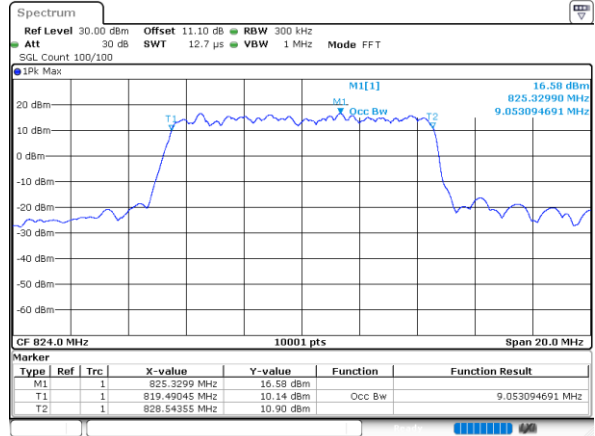


LTE Band 26

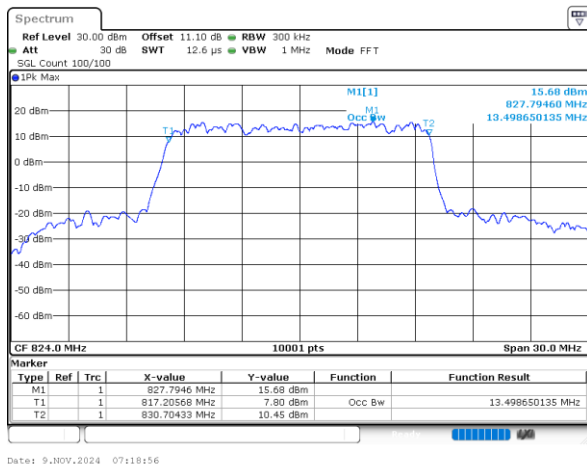
824MHz / 10MHz / QPSK



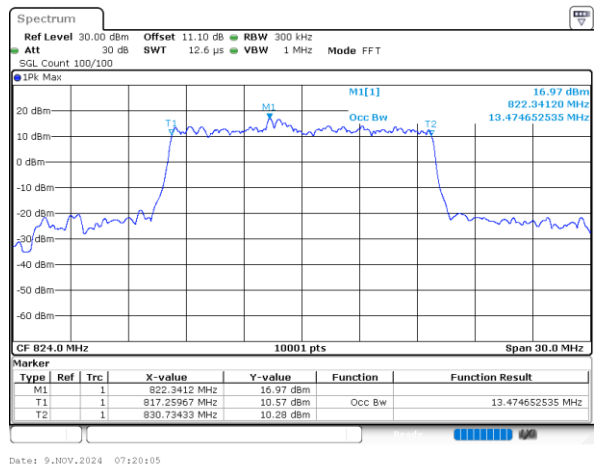
824MHz / 10MHz / 16QAM



824MHz / 15MHz / QPSK



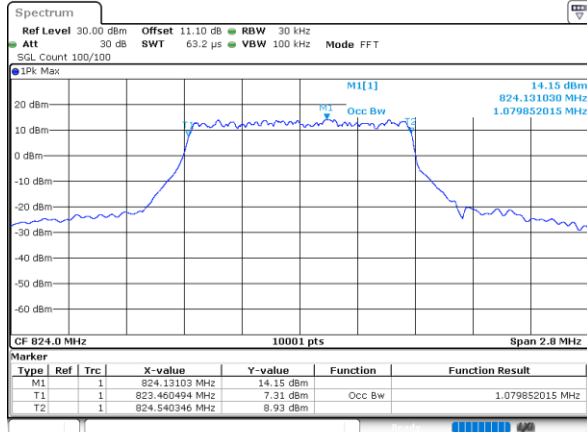
824MHz / 15MHz / 16QAM



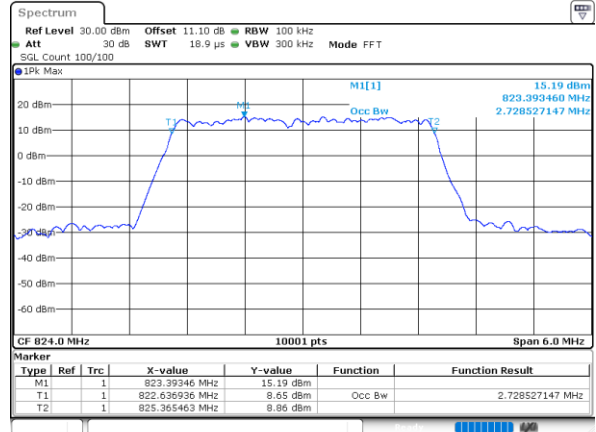


LTE Band 26

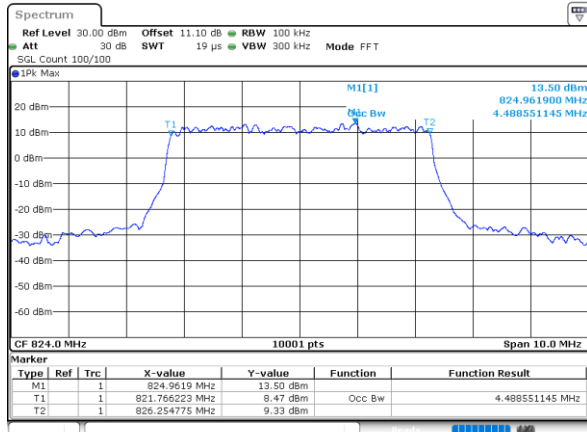
824MHz / 1.4MHz / 64QAM



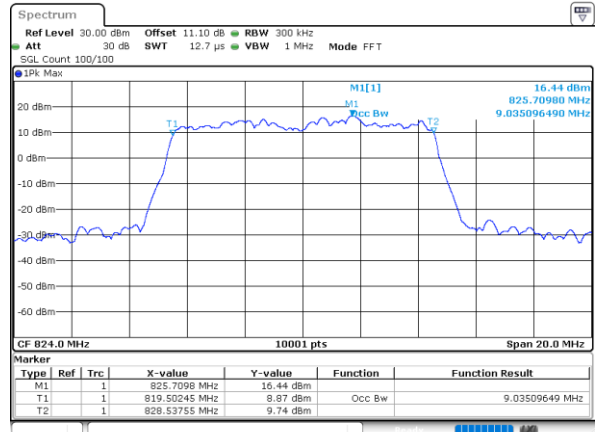
824MHz / 3MHz / 64QAM



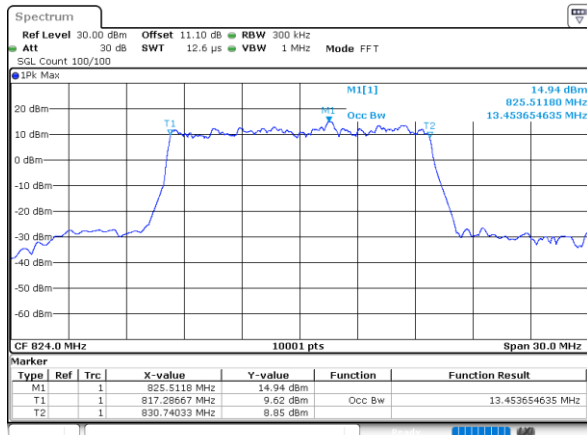
824MHz / 5MHz / 64QAM



824MHz / 10MHz / 64QAM



824MHz / 15MHz / 64QAM

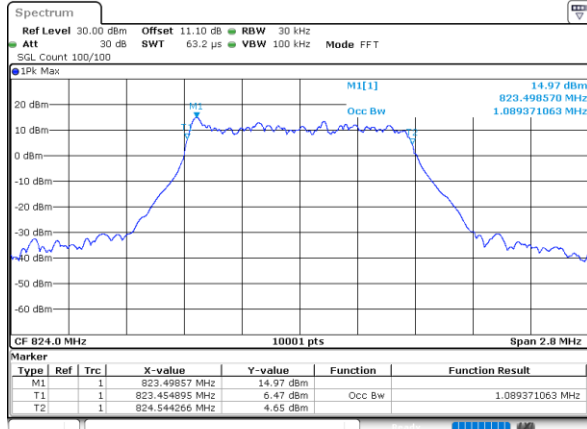


N/A

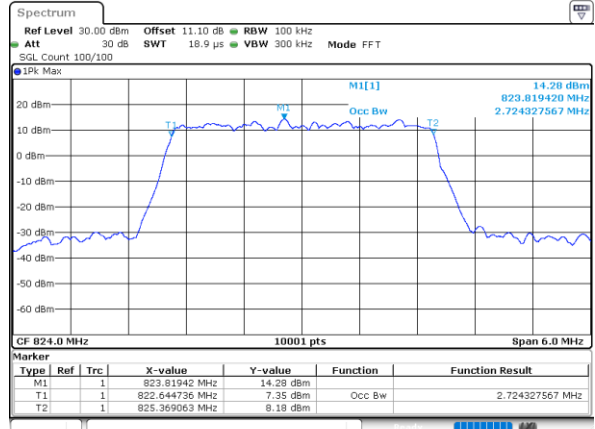


LTE Band 26

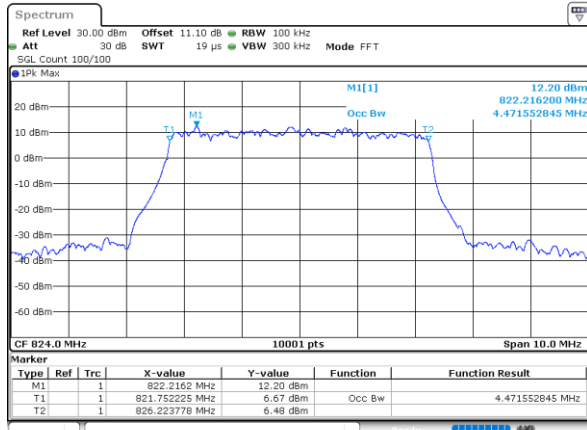
824MHz / 1.4MHz / 256QAM



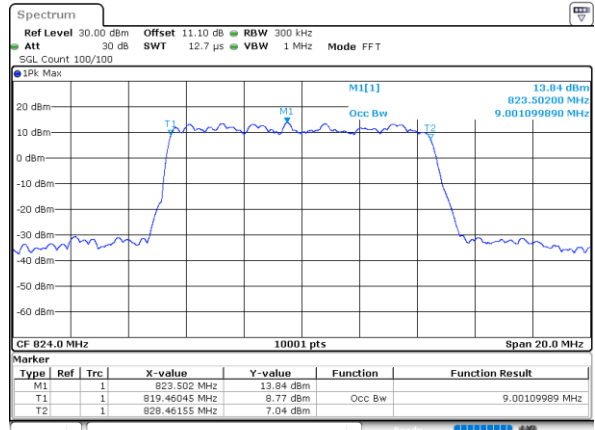
824MHz / 3MHz / 256QAM



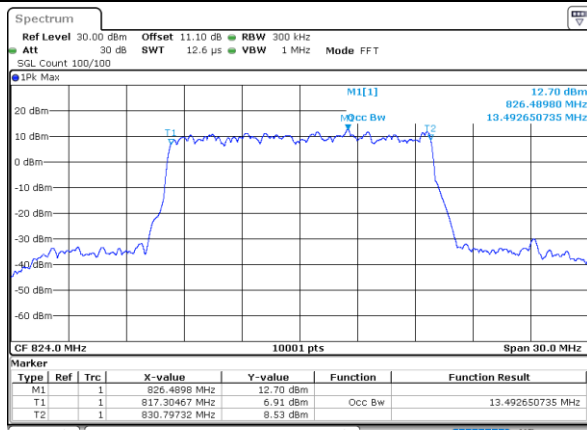
824MHz / 5MHz / 256QAM



824MHz / 10MHz / 256QAM



824MHz / 15MHz / 256QAM



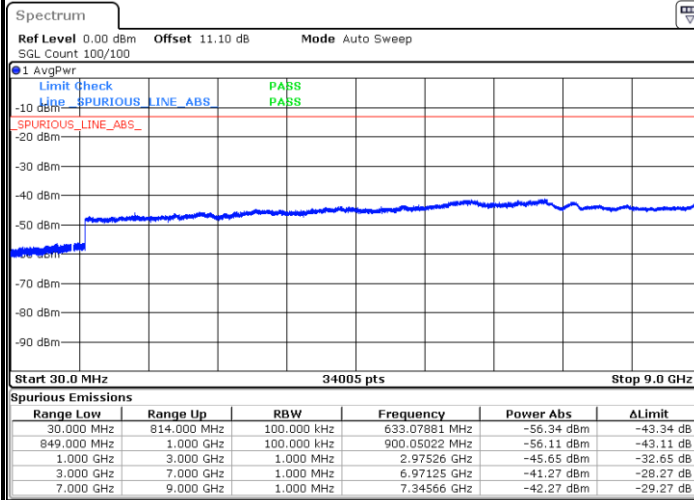
N/A



Conducted Spurious Emission

LTE Band 26 / 1.4MHz

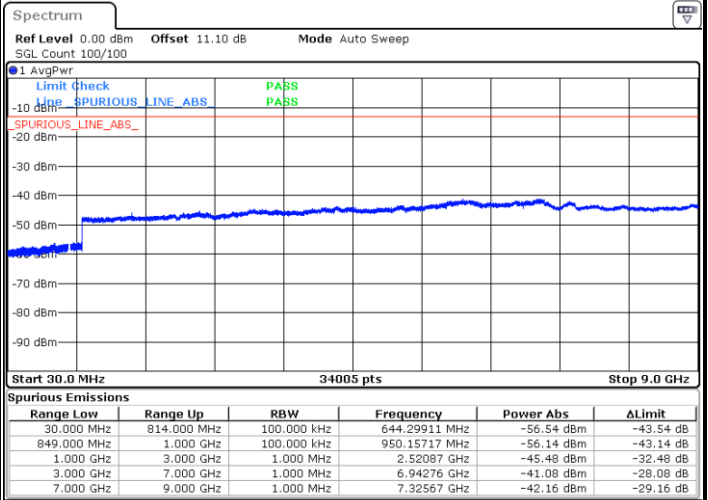
824MHz / QPSK



Date: 9.NOV.2024 07:26:13

LTE Band 26 / 3MHz

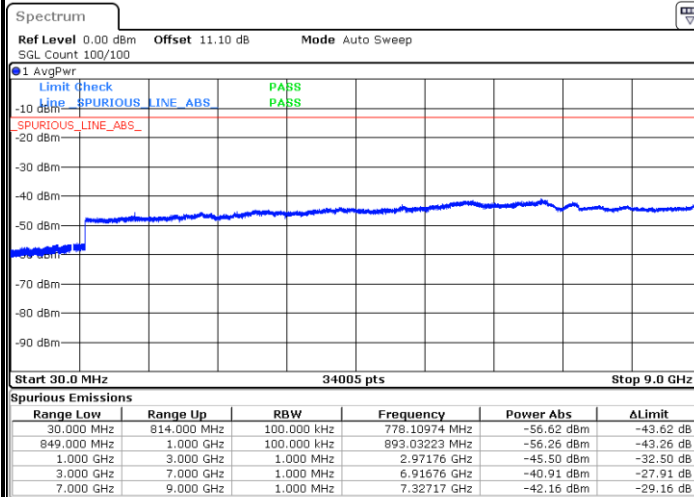
824MHz / QPSK



Date: 9.NOV.2024 07:27:28

LTE Band 26 / 5MHz

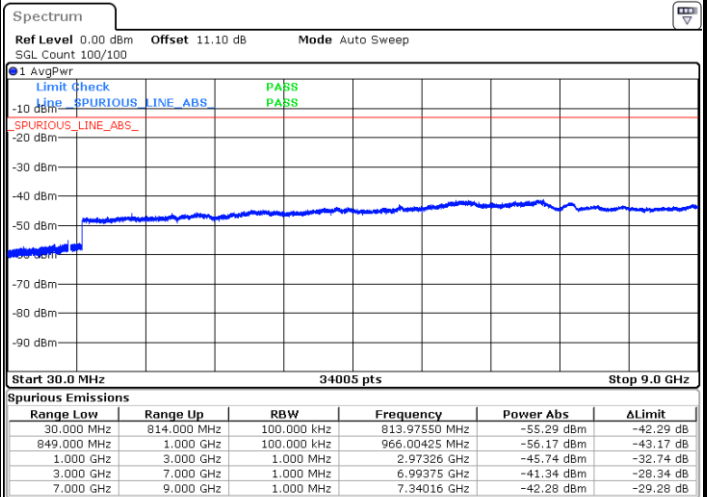
824MHz / QPSK



Date: 9.NOV.2024 07:28:42

LTE Band 26 / 10MHz

824MHz / QPSK



Date: 9.NOV.2024 07:29:57

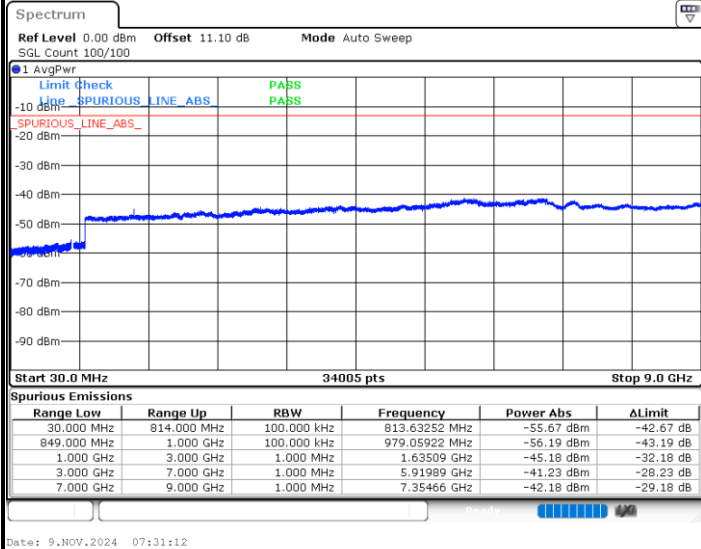


LTE Band 26 / 15MHz

N/A

824MHz / QPSK

N/A



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / 824MHz	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0038	PASS
40	Normal Voltage	0.0051	
30	Normal Voltage	0.0076	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0044	
0	Normal Voltage	0.0036	
-10	Normal Voltage	0.0039	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0083	
20	Maximum Voltage	0.0067	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0044	

Note: Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 3.465 V



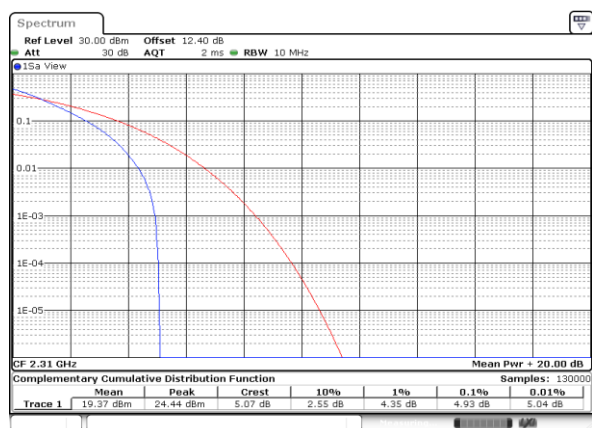
LTE Band 30

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	4.93	6.20	5.91	6.55	PASS

LTE Band 30 / 10MHz / QPSK

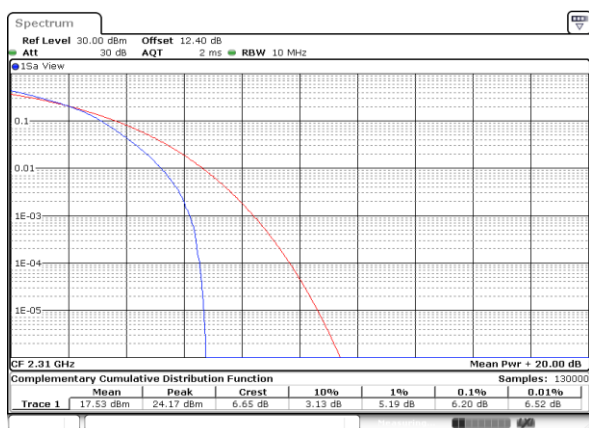
Middle Channel / Full RB



Date: 18.NOV.2024 21:25:02

LTE Band 30 / 10MHz / 16QAM

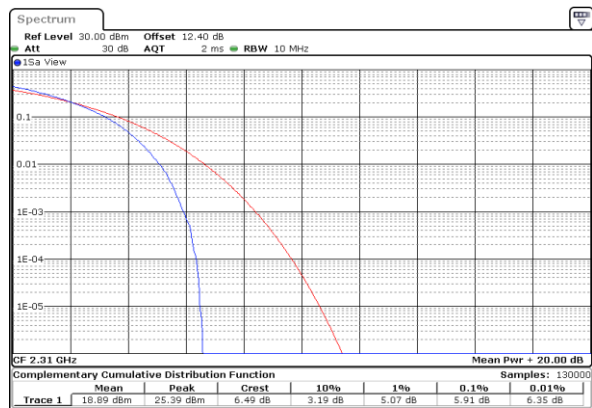
Middle Channel / Full RB



Date: 18.NOV.2024 21:25:26

LTE Band 30 / 10MHz / 64QAM

Middle Channel / Full RB



Date: 18.NOV.2024 21:25:49

LTE Band 30 / 10MHz / 256QAM

Middle Channel / Full RB



Date: 18.NOV.2024 21:26:13

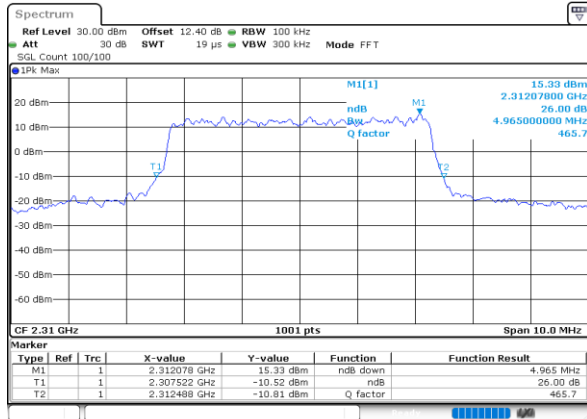
**26dB Bandwidth**

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	-	-	-	-	4.96	5.10	10.00	9.84	-	-	-	-
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	-	-	-	-	5.02	5.00	9.86	9.99	-	-	-	-

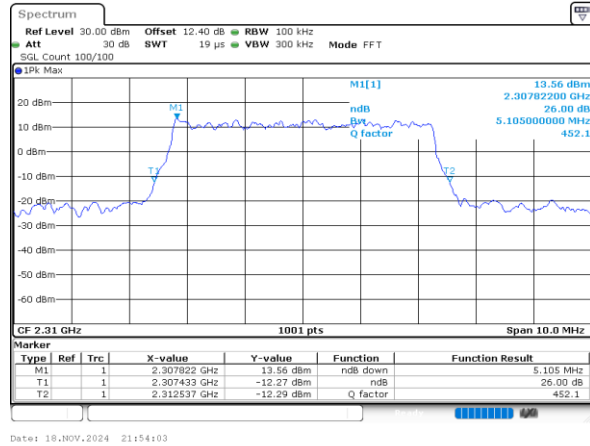


LTE Band 30

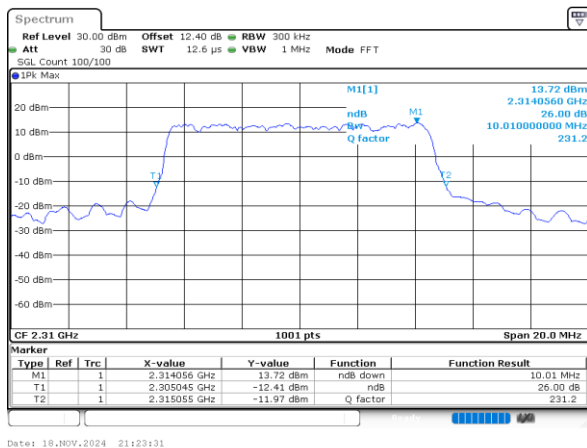
Middle Channel / 5MHz / QPSK



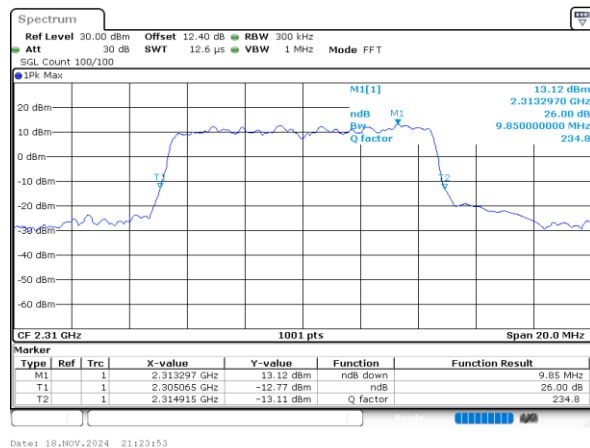
Middle Channel / 5MHz / 16QAM



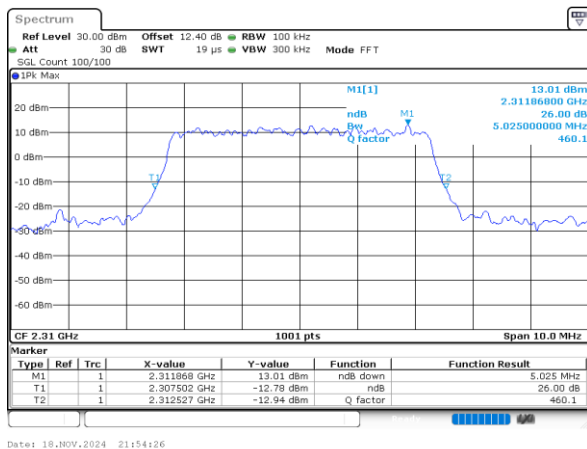
Middle Channel / 10MHz / QPSK



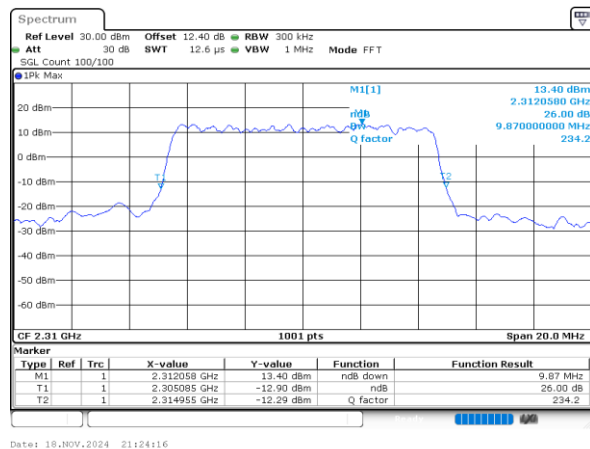
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



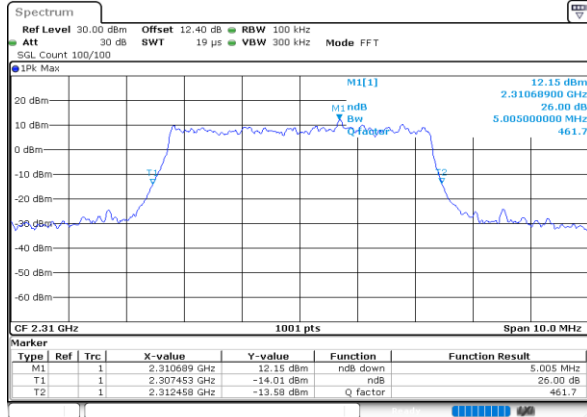
Middle Channel / 10MHz / 64QAM



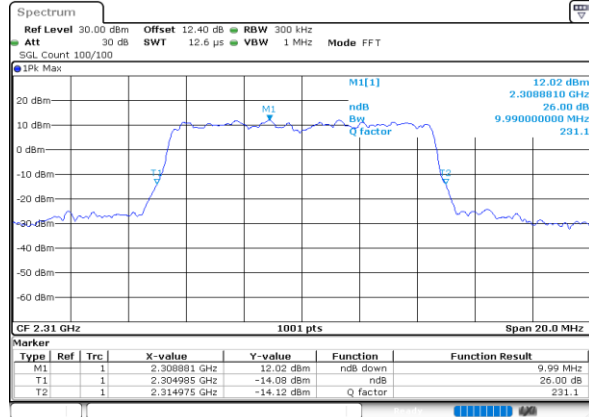


LTE Band 30

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



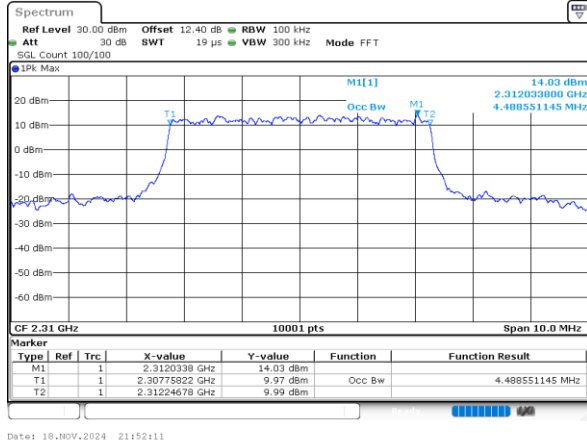
**Occupied Bandwidth**

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	-	-	-	-	4.48	4.48	9.06	9.07	-	-	-	-
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	-	-	-	-	4.49	4.46	9.02	9.01	-	-	-	-

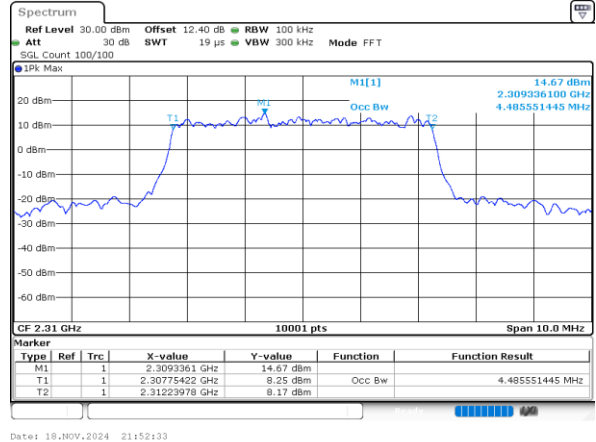


LTE Band 30

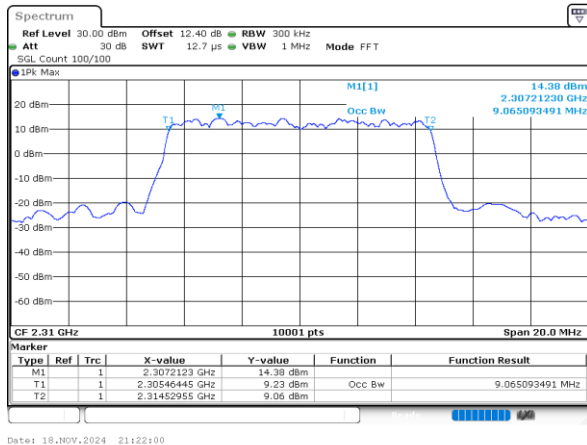
Middle Channel / 5MHz / QPSK



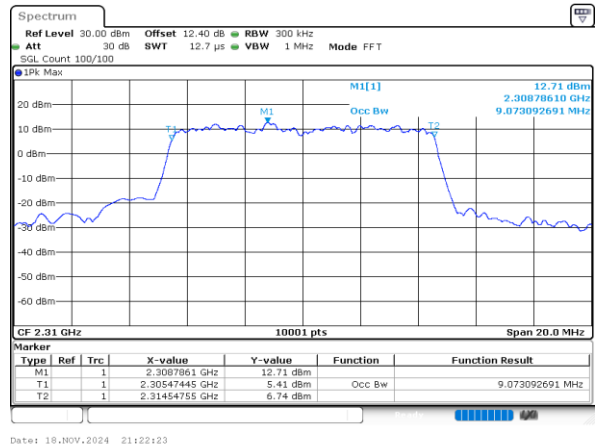
Middle Channel / 5MHz / 16QAM



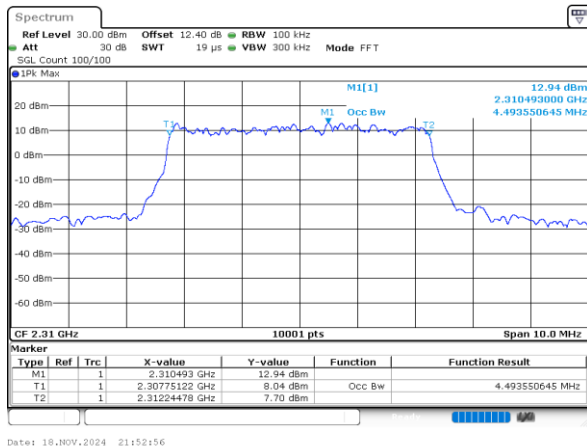
Middle Channel / 10MHz / QPSK



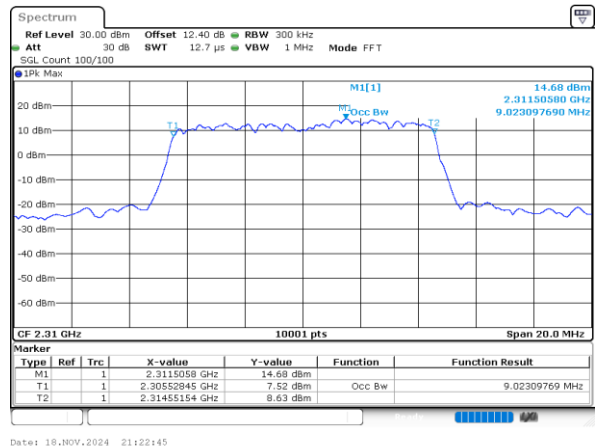
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



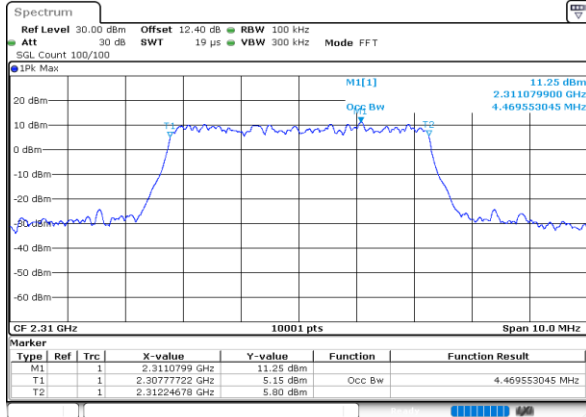
Middle Channel / 10MHz / 64QAM



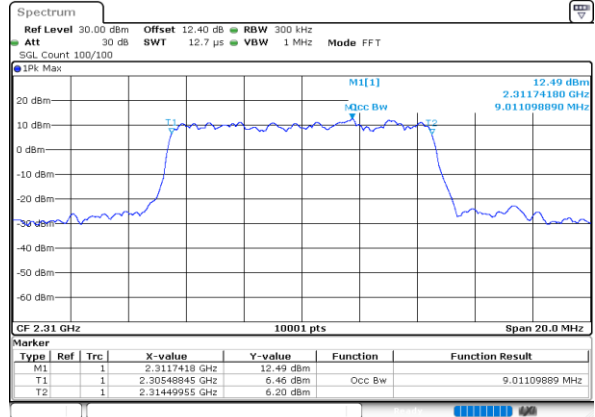


LTE Band 30

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM

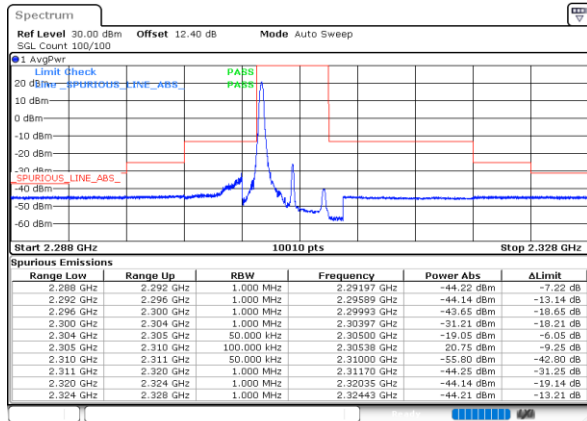




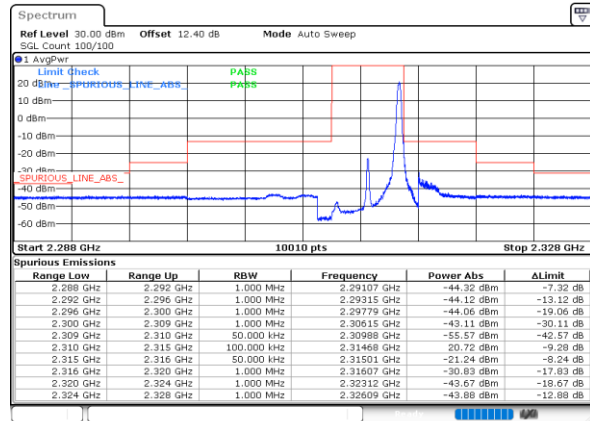
Conducted Band Edge

LTE Band 30 / 5MHz / QPSK

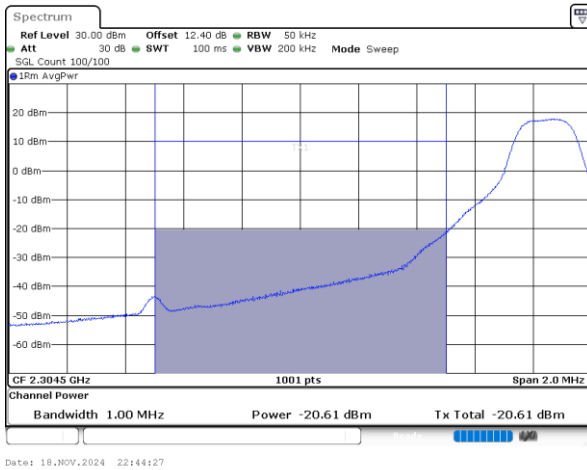
Lowest Band Edge / 1 RB



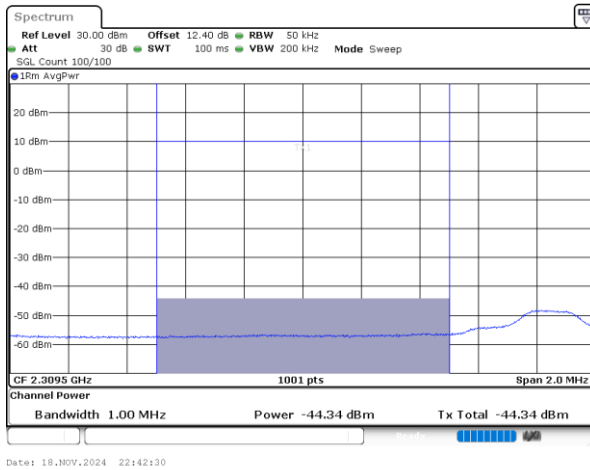
Highest Band Edge / 1 RB



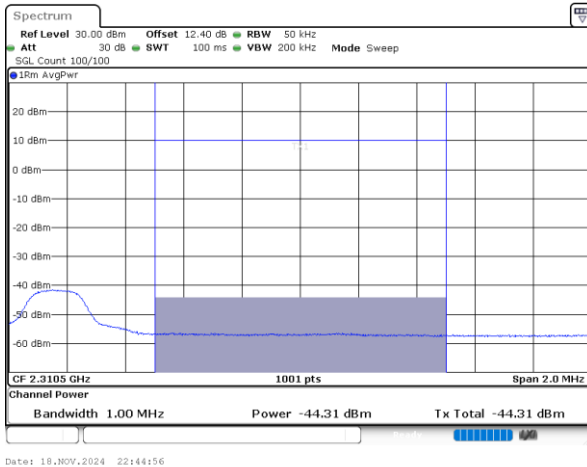
Lowest Band Edge / 1 RB / Lower zoom in



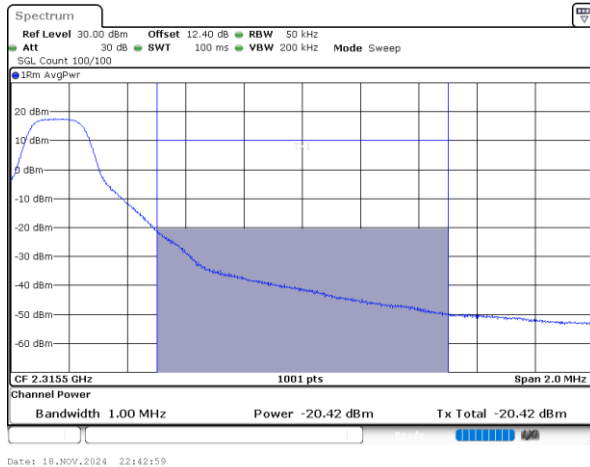
Highest Band Edge / 1 RB / Lower zoom in



Lowest Band Edge / 1 RB / Upper zoom in



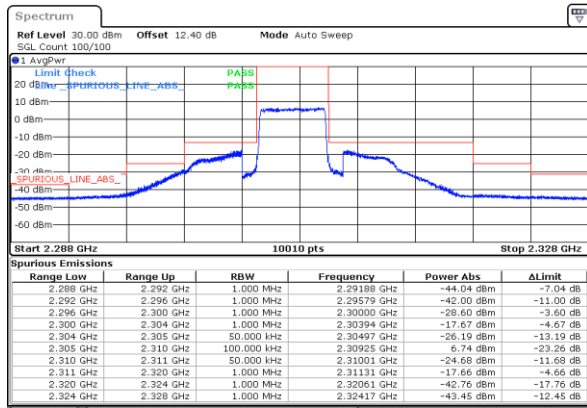
Highest Band Edge / 1 RB / Upper zoom in





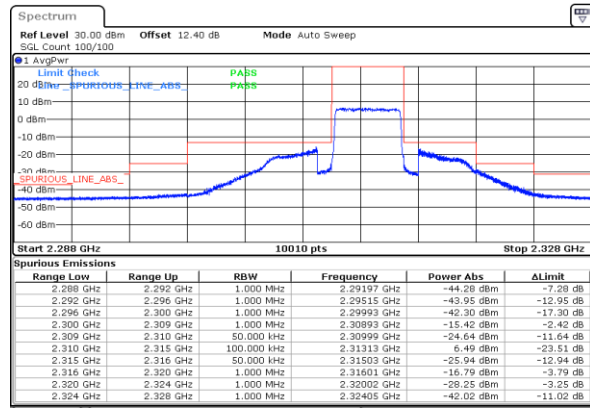
LTE Band 30 / 5MHz / QPSK

Lowest Band Edge / Full RB



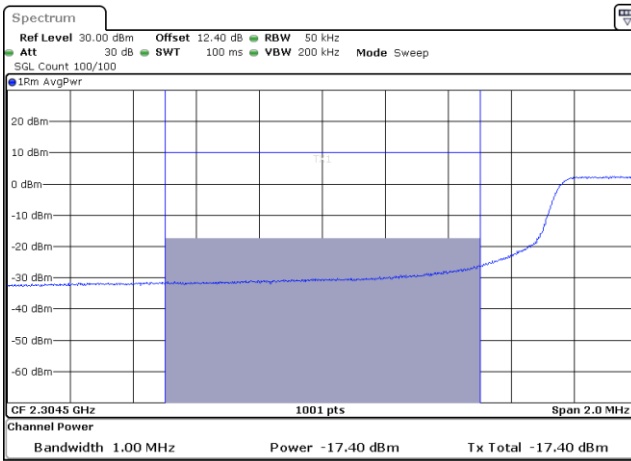
Date: 18.NOV.2024 21:39:53

Highest Band Edge / Full RB



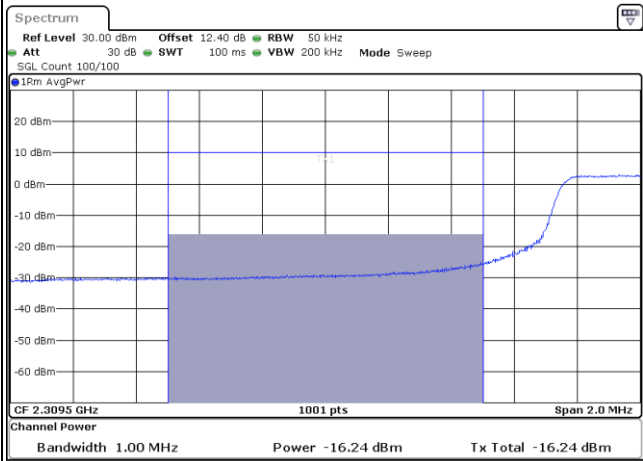
Date: 18.NOV.2024 21:48:21

Lowest Band Edge / Full RB / Lower zoom in



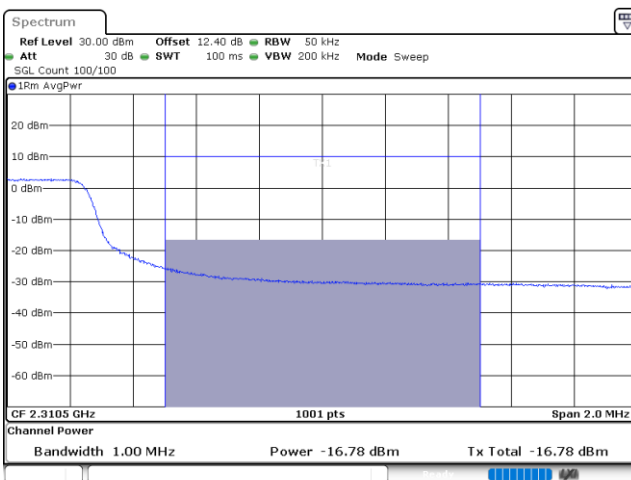
Date: 18.NOV.2024 22:45:25

Highest Band Edge / Full RB / Lower zoom in



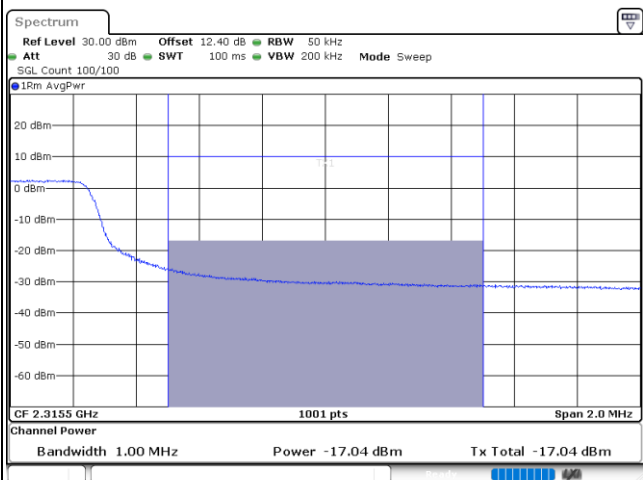
Date: 18.NOV.2024 22:43:28

Lowest Band Edge / Full RB / Upper zoom in



Date: 18.NOV.2024 22:45:54

Highest Band Edge / Full RB / Upper zoom in

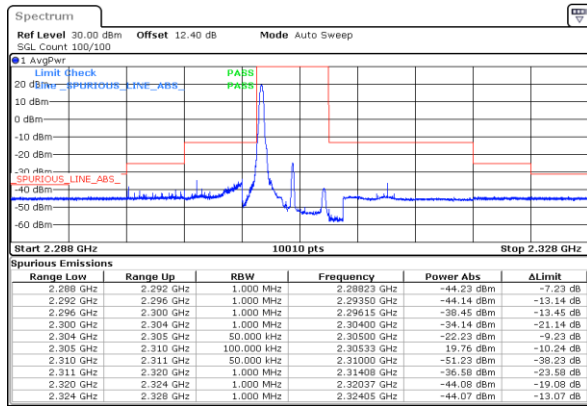


Date: 18.NOV.2024 22:43:58

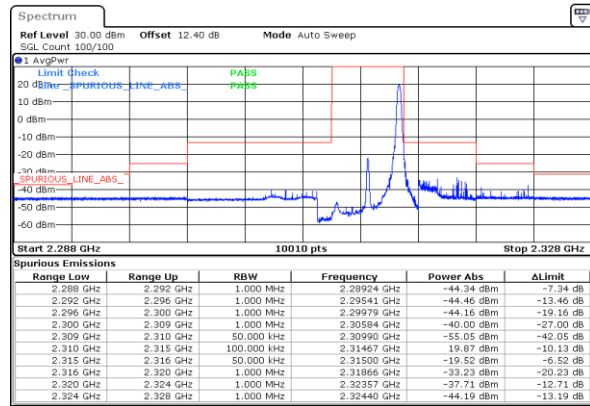


LTE Band 30 / 5MHz / 16QAM

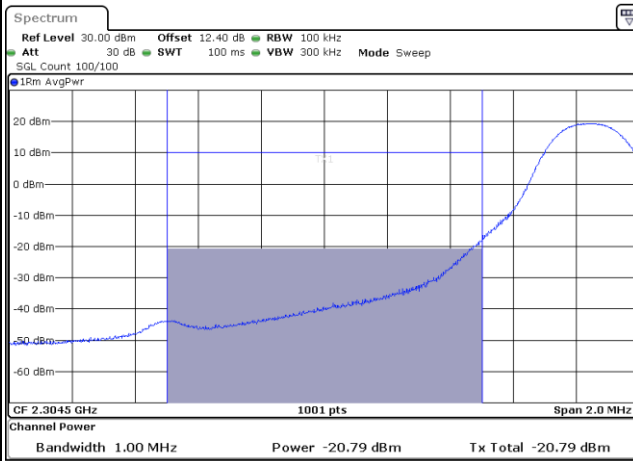
Lowest Band Edge / 1 RB



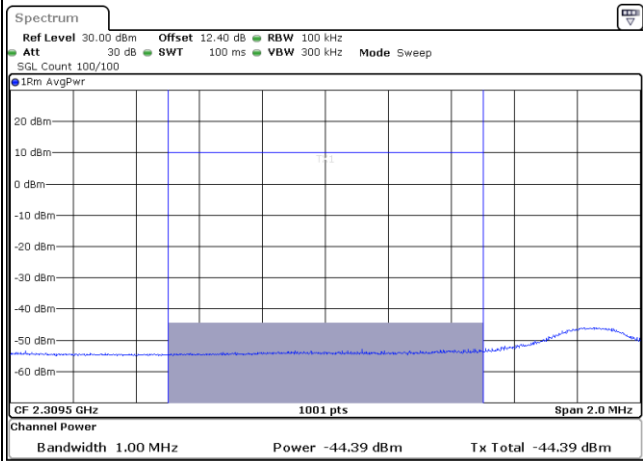
Highest Band Edge / 1 RB



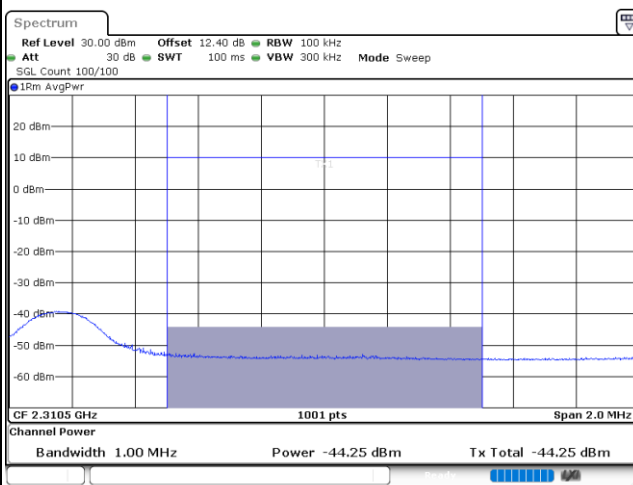
Lowest Band Edge / 1 RB / Lower zoom in



Highest Band Edge / 1 RB / Lower zoom in



Lowest Band Edge / 1 RB / Upper zoom in



Highest Band Edge / 1 RB / Upper zoom in

