



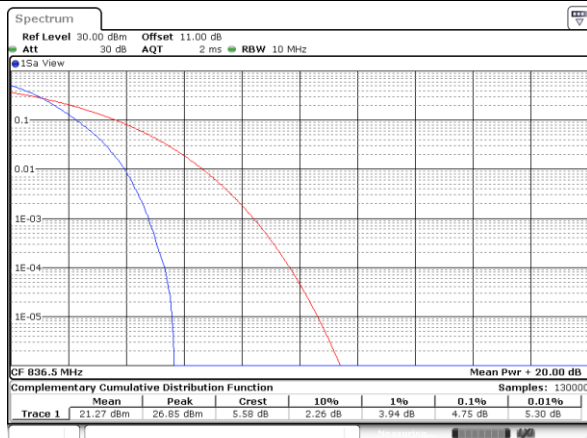
LTE Band 5

Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.75	5.54	5.91	-	PASS

LTE Band 5 / 10MHz / QPSK

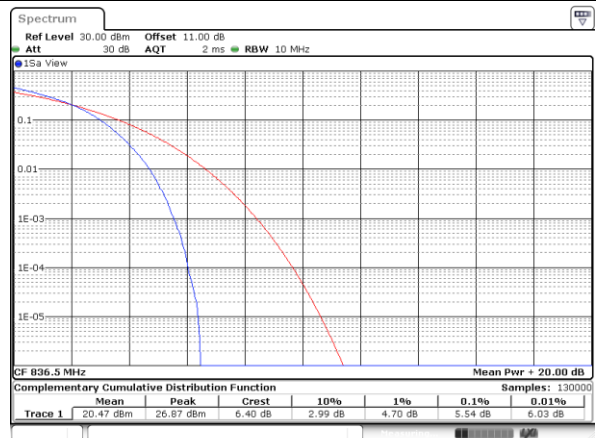
Middle Channel / Full RB



Date: 28.NOV.2024 15:41:40

LTE Band 5 / 10MHz / 16QAM

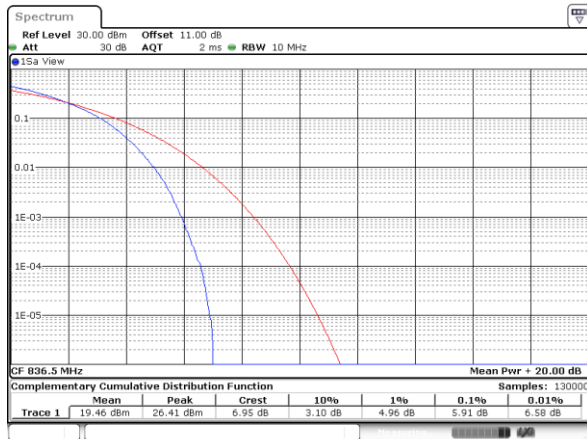
Middle Channel / Full RB



Date: 28.NOV.2024 15:42:03

LTE Band 5 / 10MHz / 64QAM

Middle Channel / Full RB



Date: 28.NOV.2024 15:42:27

LTE Band 5 / 10MHz / 256QAM

Middle Channel / Full RB

-

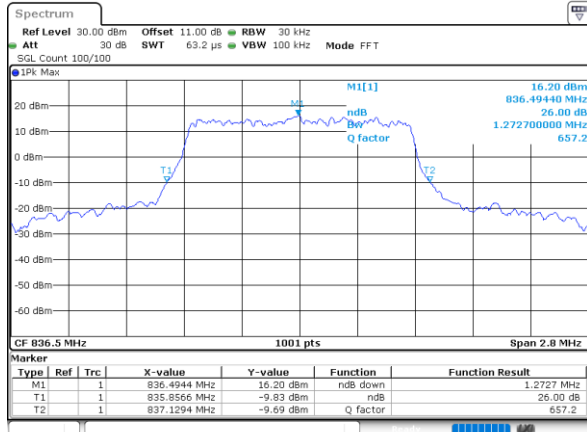
**26dB Bandwidth**

Mode	LTE Band 5 : 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	1.27	2.98	2.96	4.97	4.78	9.78	9.75	-	-	-	-
Mode	LTE Band 5 : 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	-	2.99	-	4.89	-	9.83	-	-	-	-	-



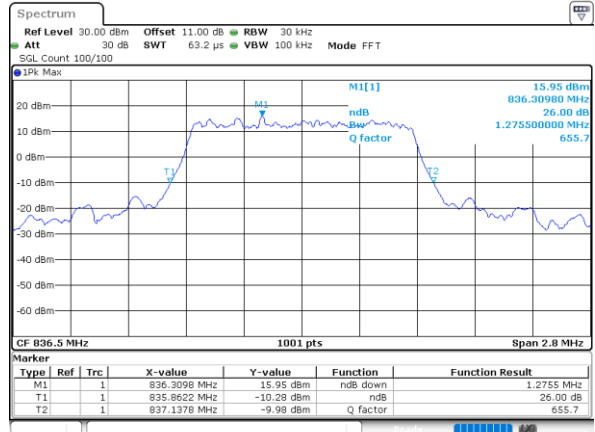
LTE Band 5

Middle Channel / 1.4MHz / QPSK



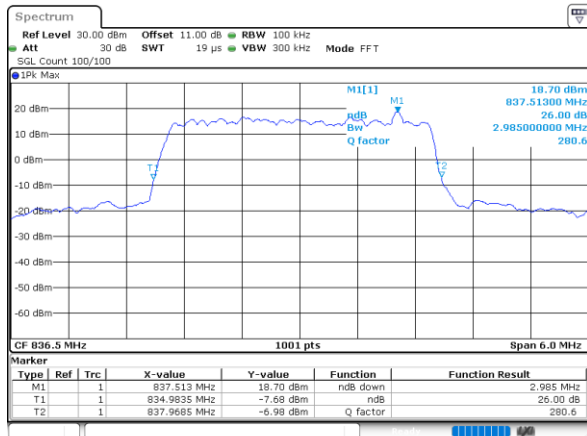
Date: 28.NOV.2024 15:22:37

Middle Channel / 1.4MHz / 16QAM



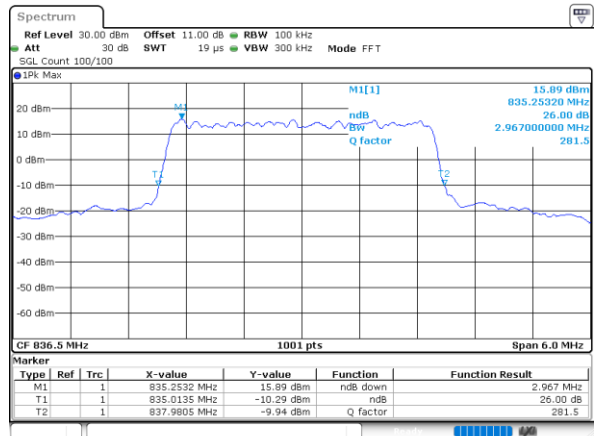
Date: 28.NOV.2024 15:22:59

Middle Channel / 3MHz / QPSK



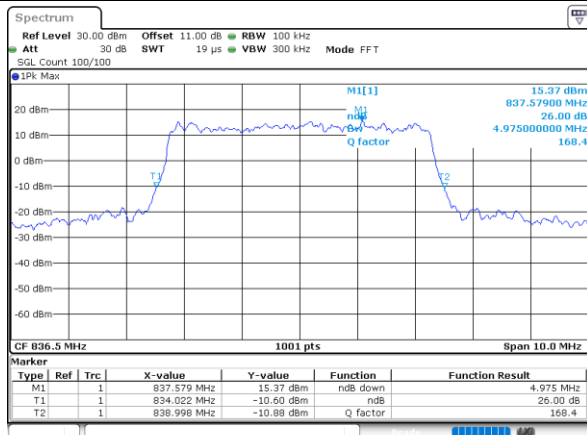
Date: 28.NOV.2024 15:23:45

Middle Channel / 3MHz / 16QAM



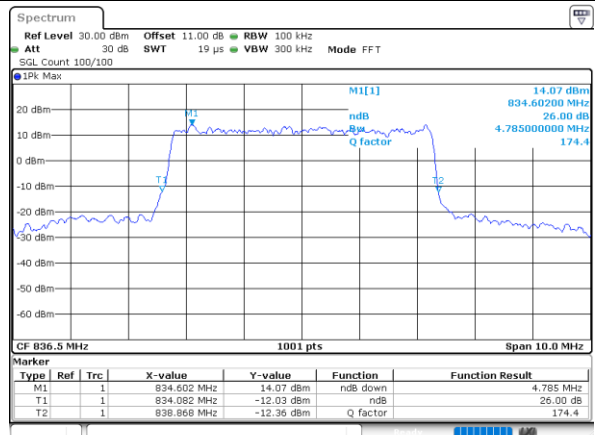
Date: 28.NOV.2024 15:24:07

Middle Channel / 5MHz / QPSK



Date: 28.NOV.2024 15:24:53

Middle Channel / 5MHz / 16QAM

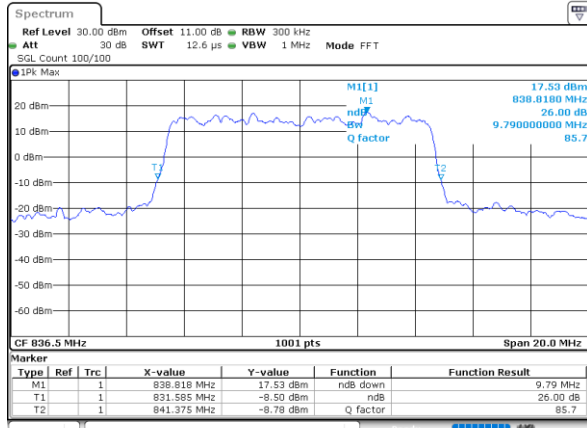


Date: 28.NOV.2024 15:25:15

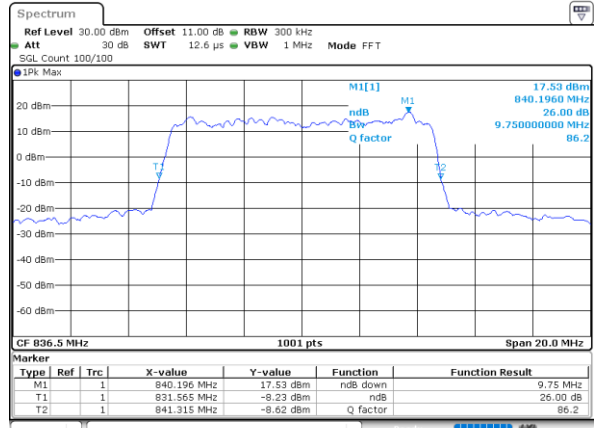


LTE Band 5

Middle Channel / 10MHz / QPSK

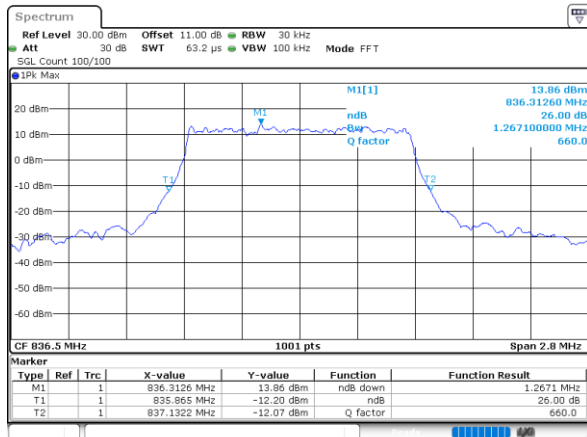


Middle Channel / 10MHz / 16QAM

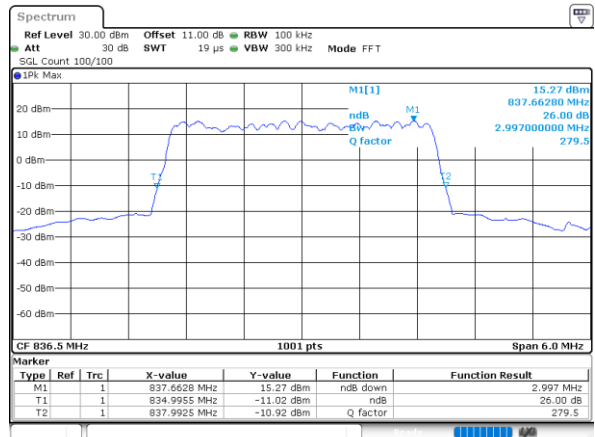


LTE Band 5

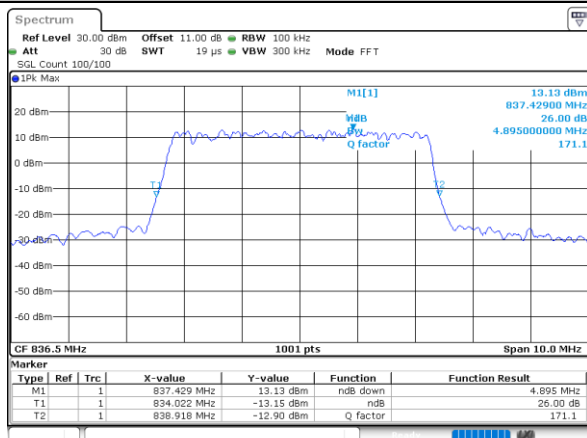
Middle Channel / 1.4MHz / 64QAM



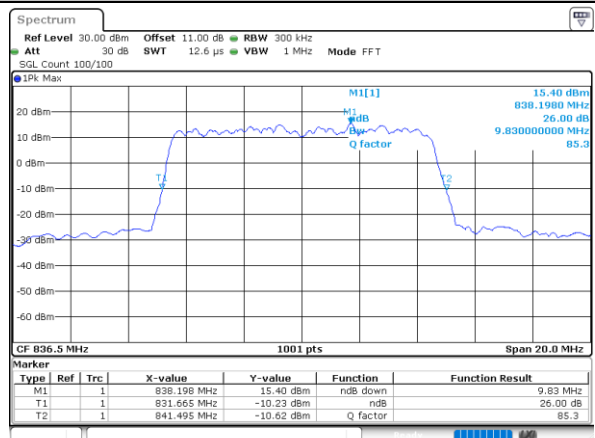
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



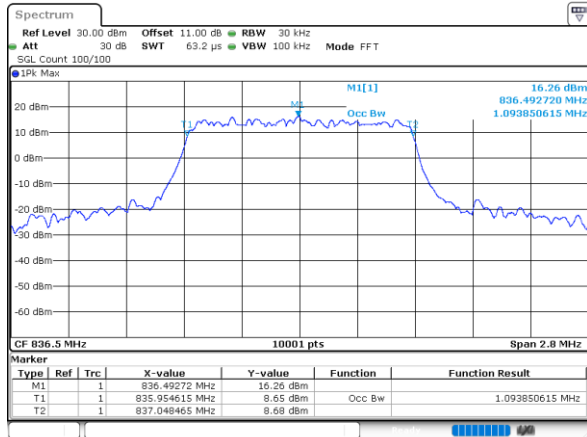
**Occupied Bandwidth**

Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.08	2.72	2.72	4.50	4.48	9.03	9.01	-	-	-	-
Mode	LTE Band 5 : 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	1.09	-	2.71	-	4.51	-	9.02	-	-	-	-	-

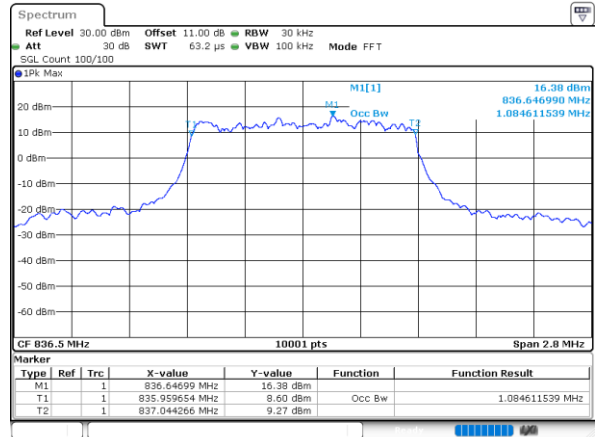


LTE Band 5

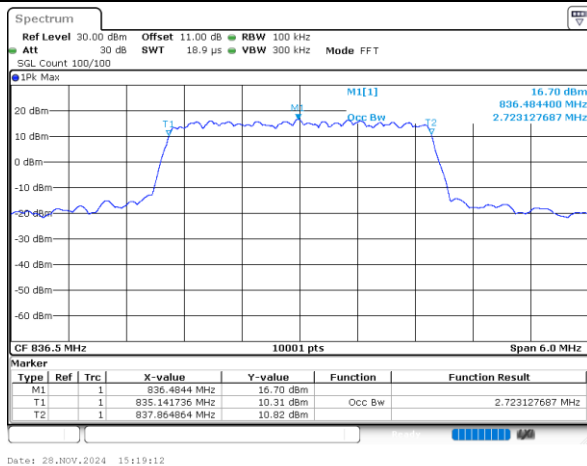
Middle Channel / 1.4MHz / QPSK



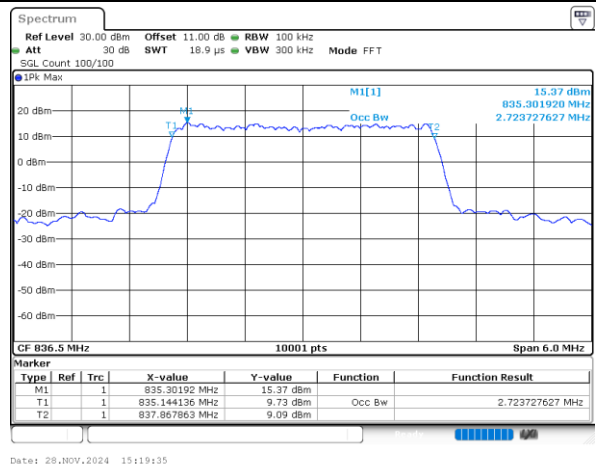
Middle Channel / 1.4MHz / 16QAM



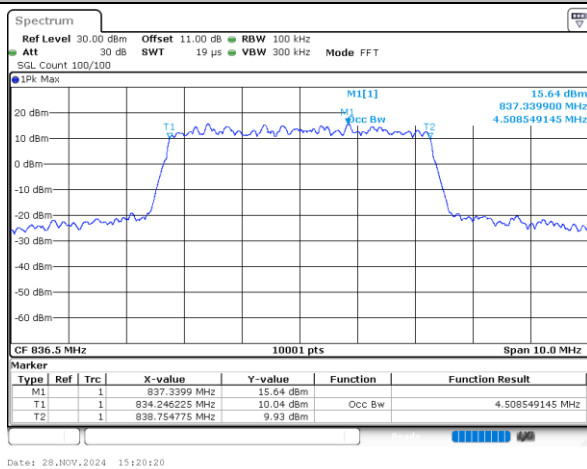
Middle Channel / 3MHz / QPSK



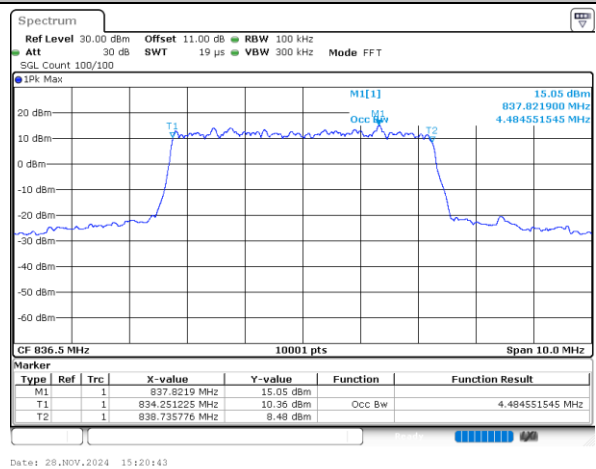
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



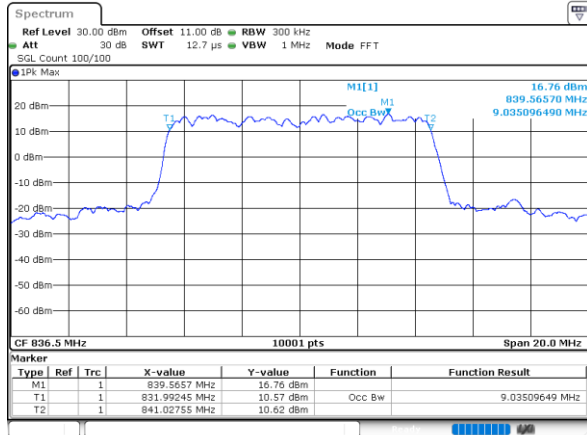
Middle Channel / 5MHz / 16QAM





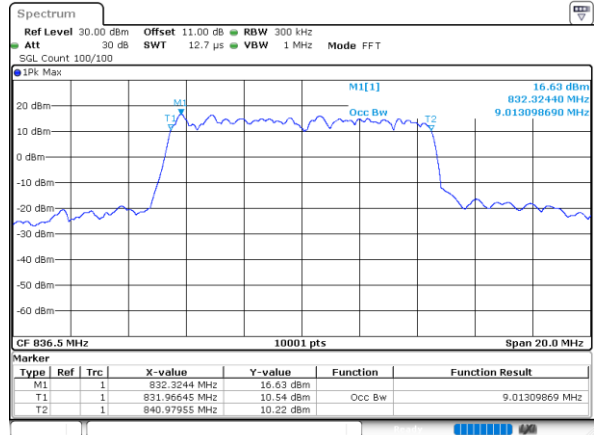
LTE Band 5

Middle Channel / 10MHz / QPSK



Date: 28.NOV.2024 15:21:20

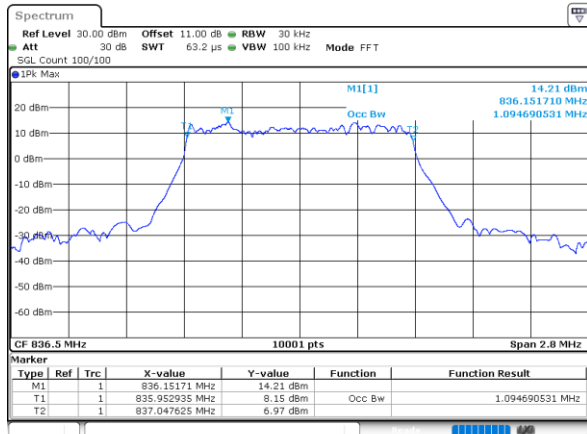
Middle Channel / 10MHz / 16QAM



Date: 28.NOV.2024 15:21:51

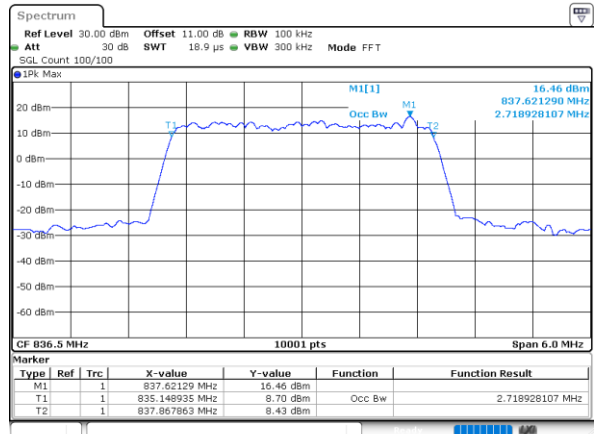
LTE Band 5

Middle Channel / 1.4MHz / 64QAM



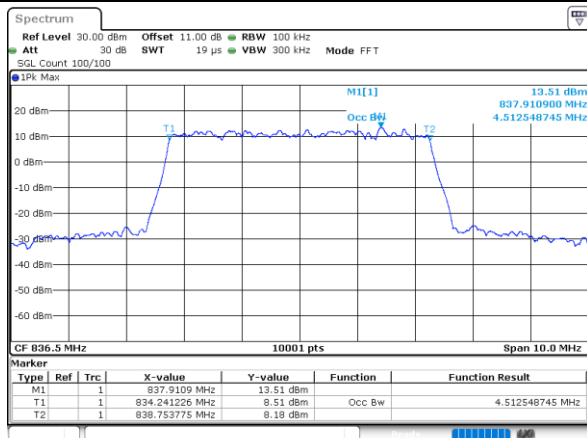
Date: 28.NOV.2024 15:18:49

Middle Channel / 3MHz / 64QAM



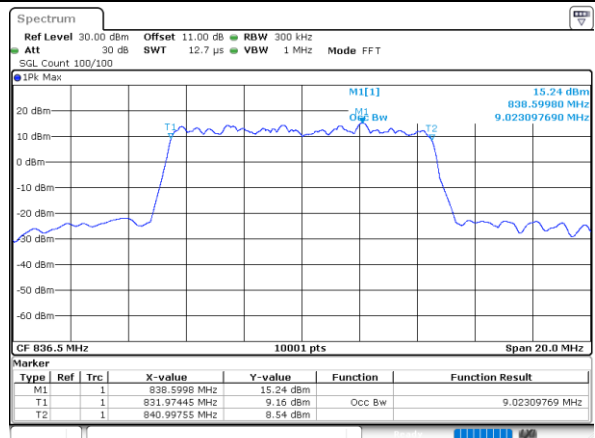
Date: 28.NOV.2024 15:19:57

Middle Channel / 5MHz / 64QAM



Date: 28.NOV.2024 15:21:05

Middle Channel / 10MHz / 64QAM



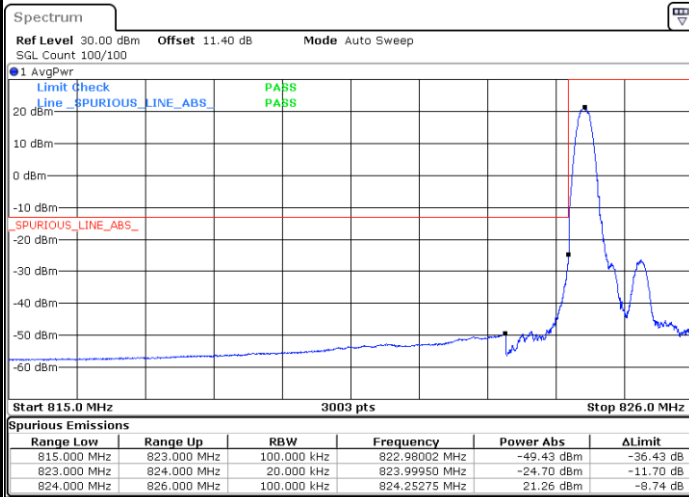
Date: 28.NOV.2024 15:22:13



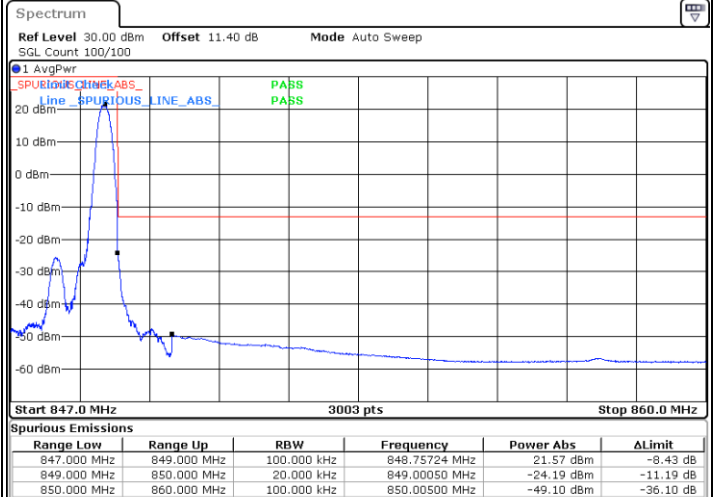
Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

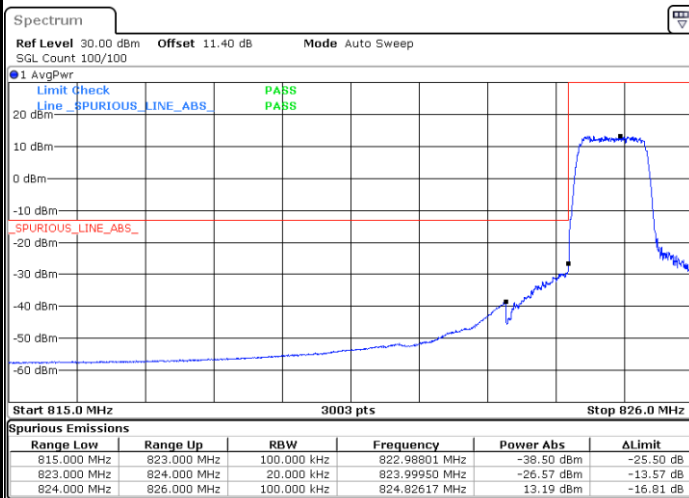
Lowest Band Edge / 1RB



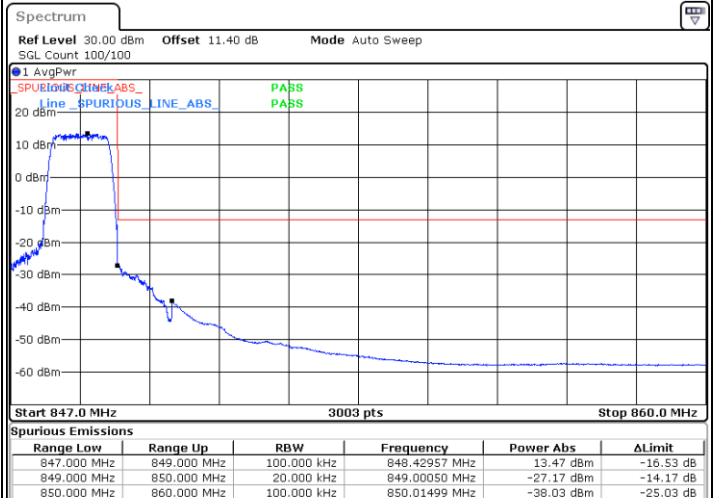
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



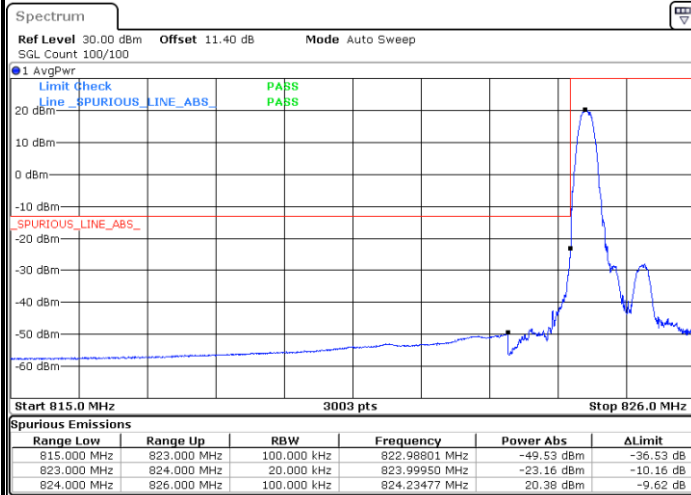
Highest Band Edge / Full RB



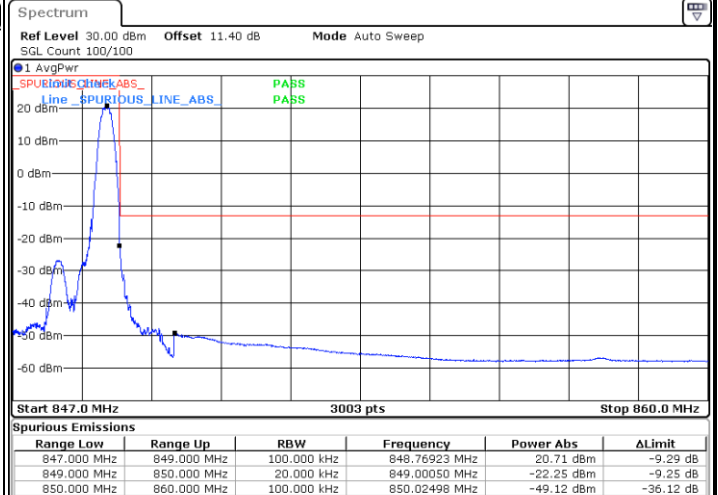


LTE Band 5 / 1.4MHz / 16QAM

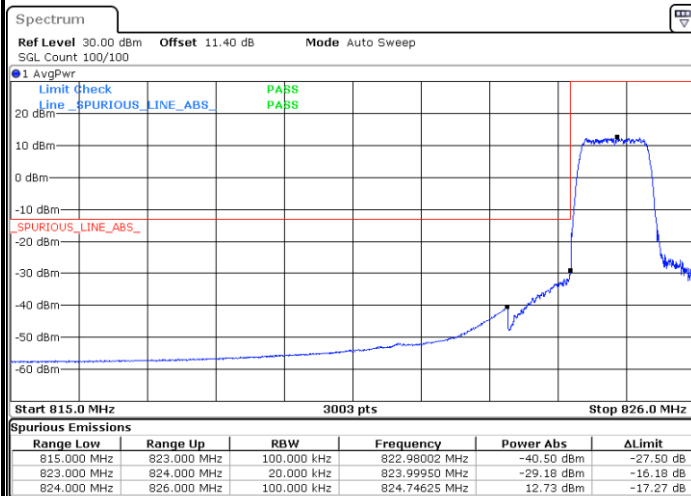
Lowest Band Edge / 1 RB



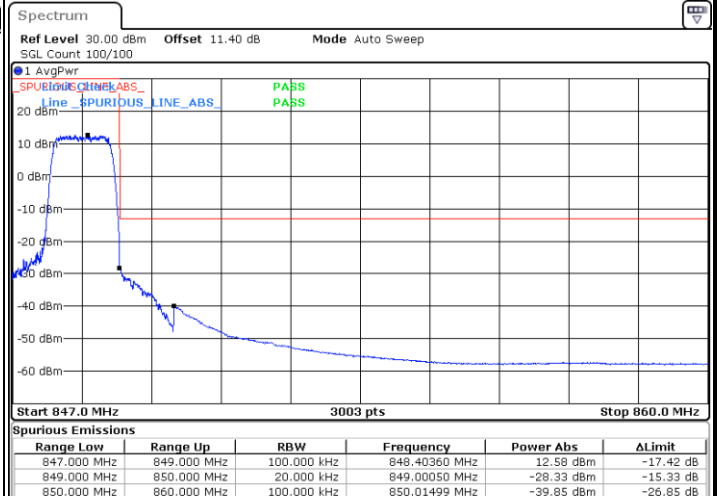
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



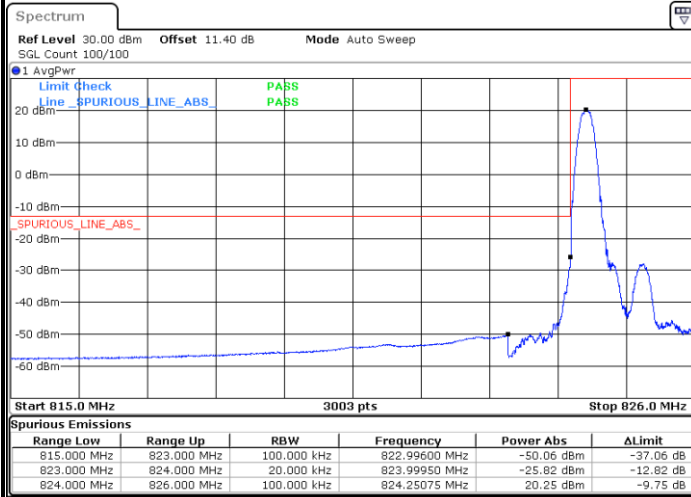
Highest Band Edge / Full RB



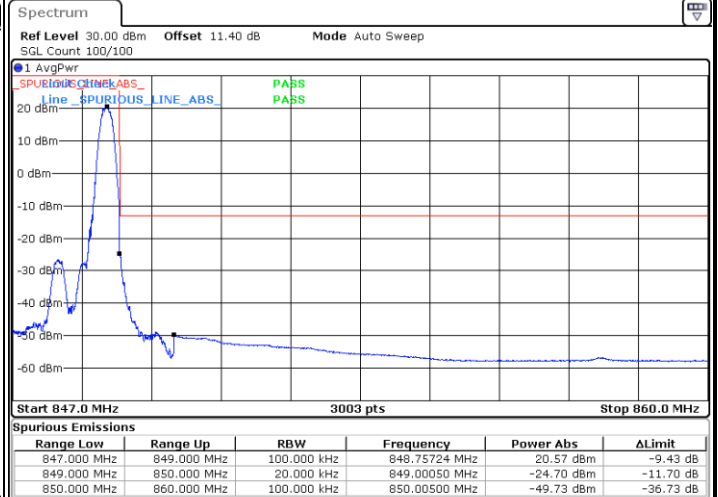


LTE Band 5 / 1.4MHz / 64QAM

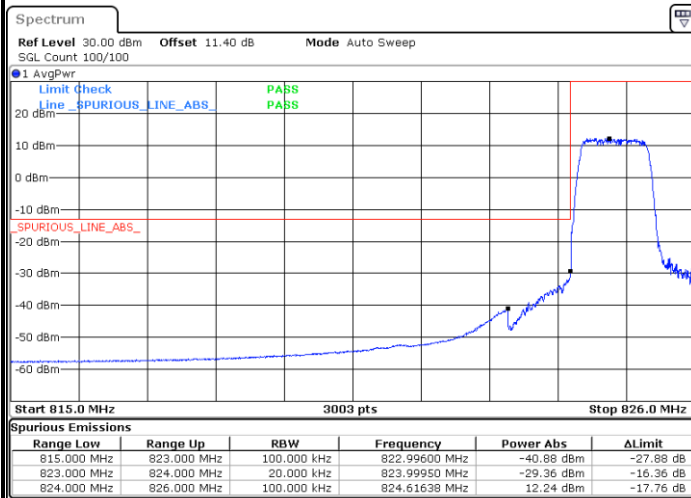
Lowest Band Edge / 1 RB



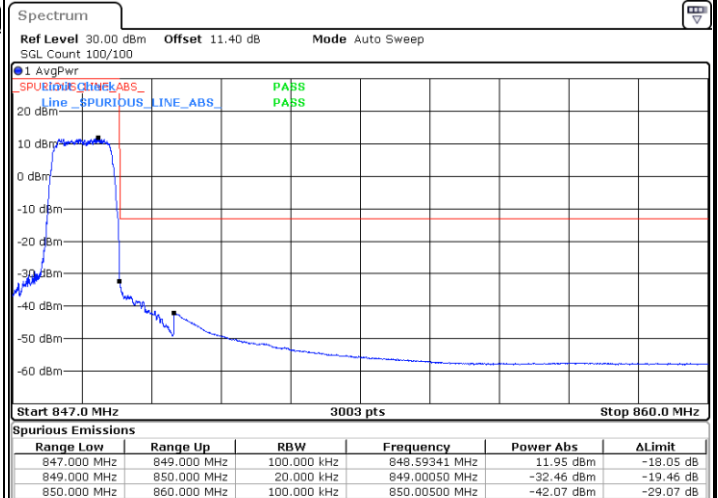
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

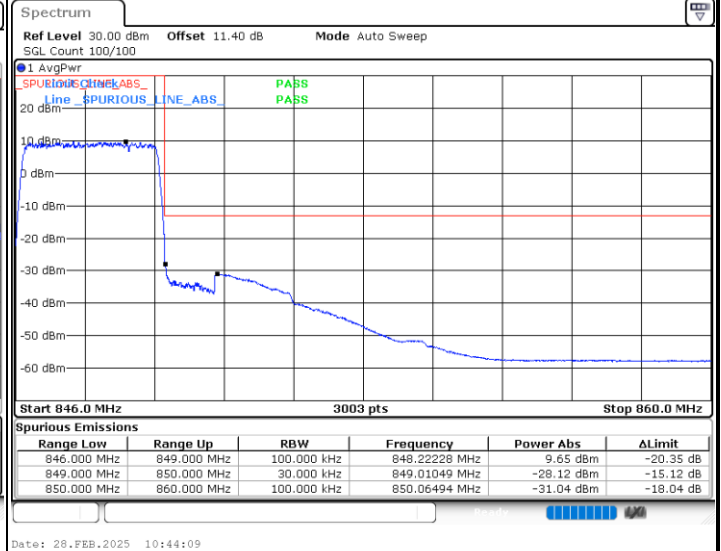
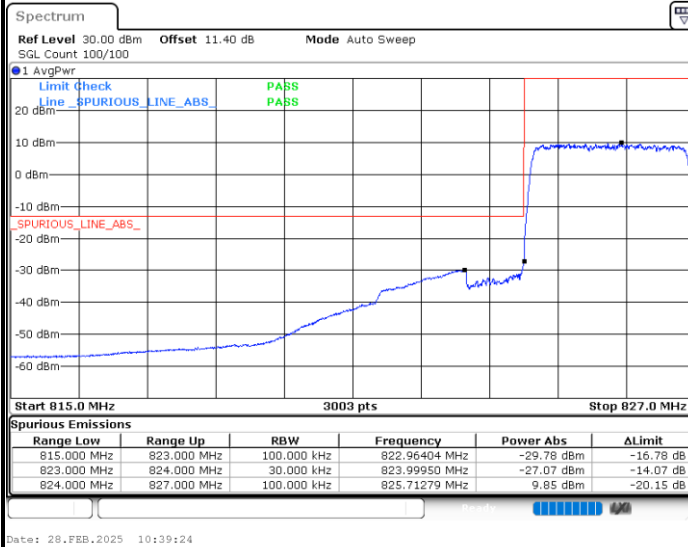




LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / Full RB

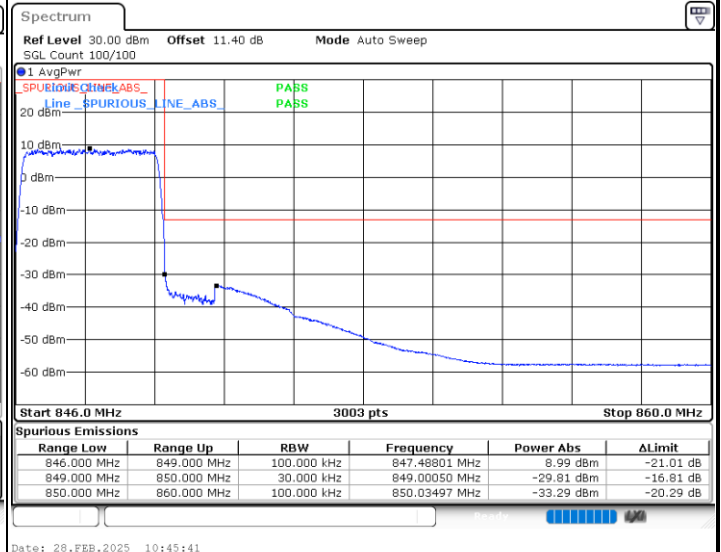
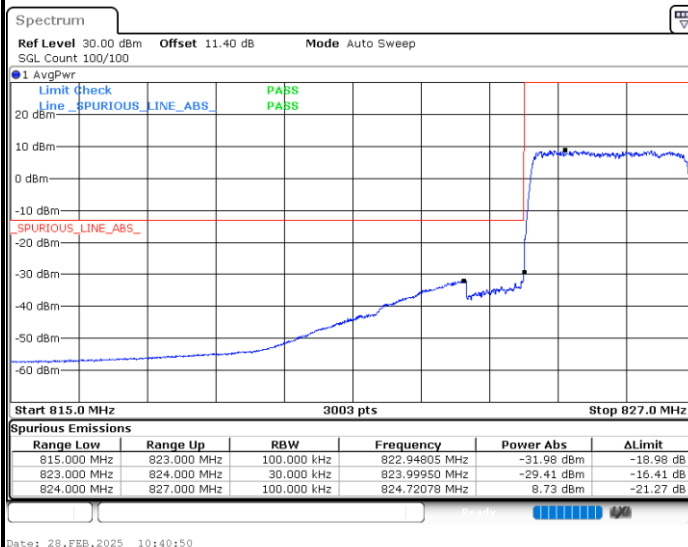
Highest Band Edge / Full RB



LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / Full RB

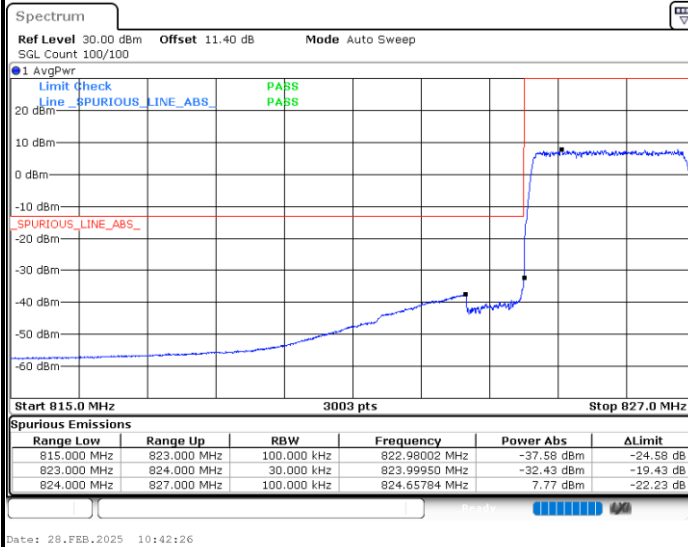
Highest Band Edge / Full RB



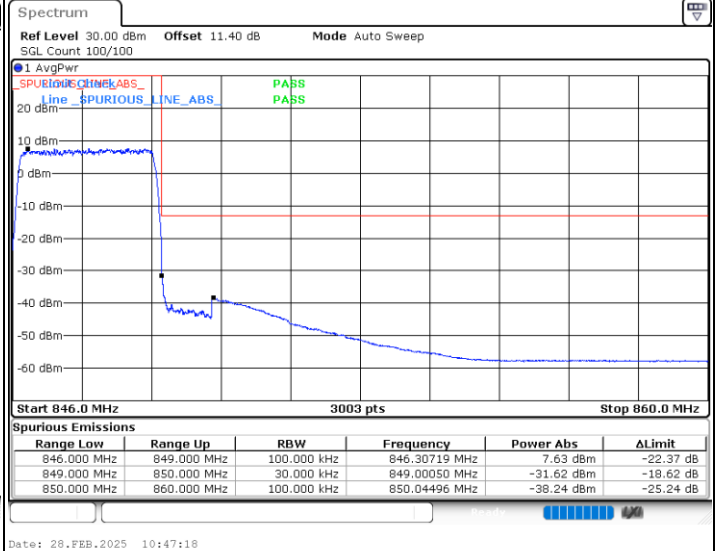


LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / Full RB

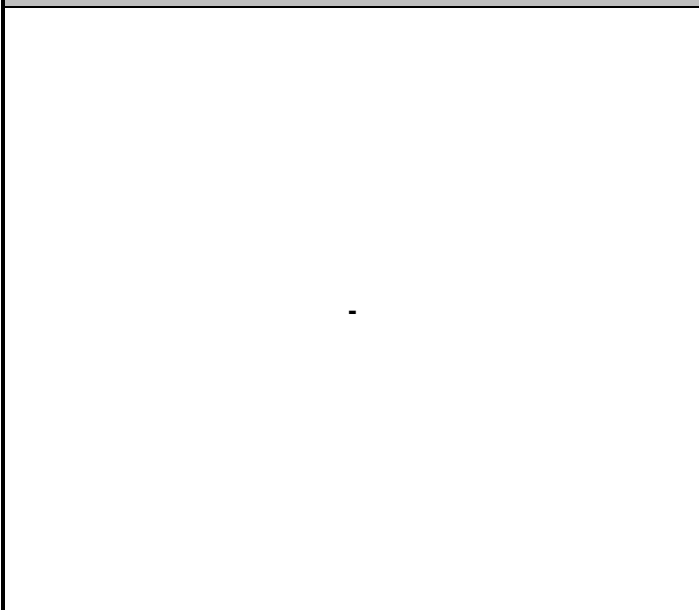


Highest Band Edge / Full RB

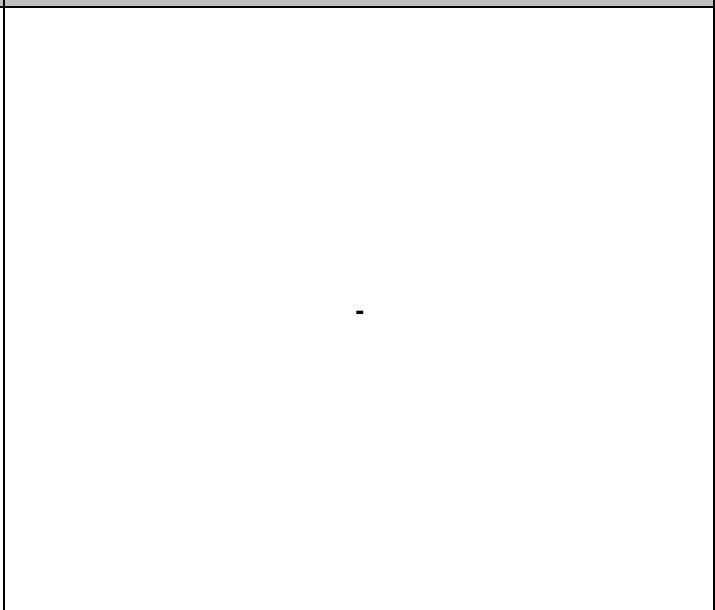


LTE Band 5 / 3MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

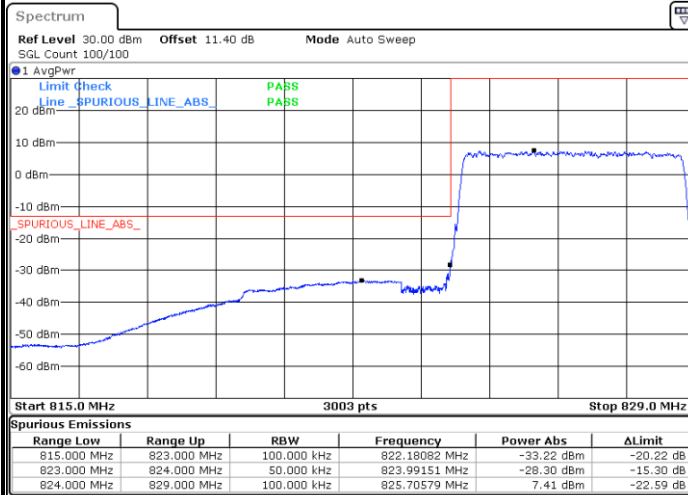




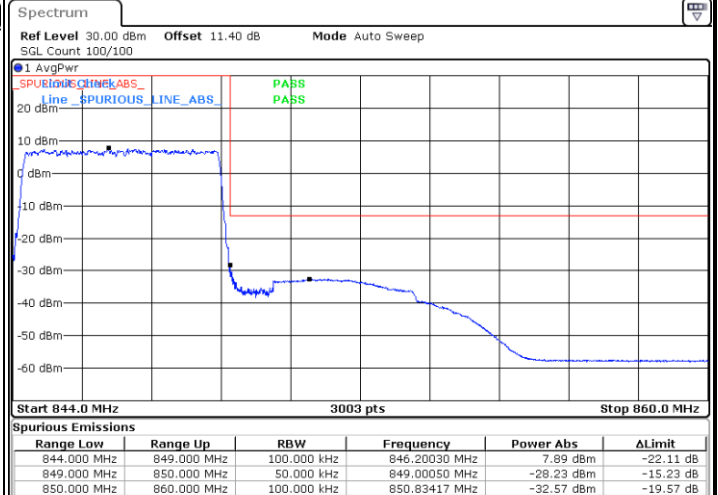
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.FEB.2025 10:49:01

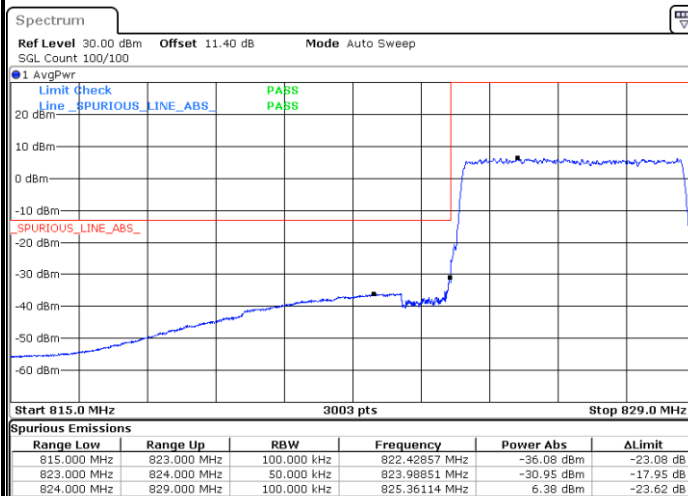


Date: 28.FEB.2025 10:54:11

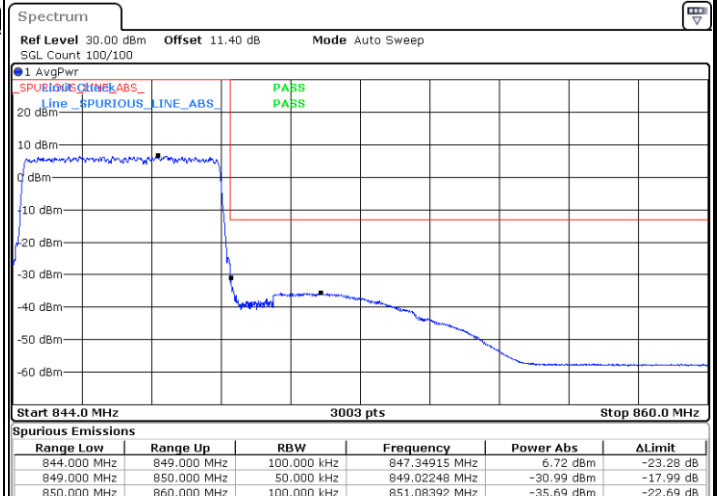
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.FEB.2025 10:50:36

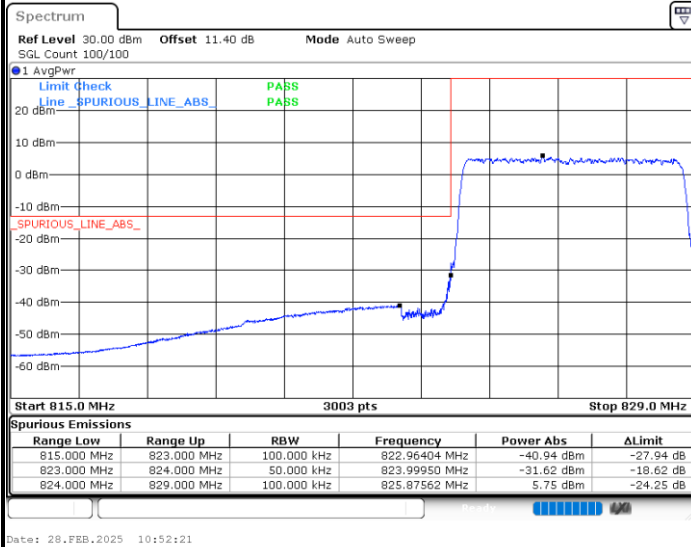


Date: 28.FEB.2025 10:55:54

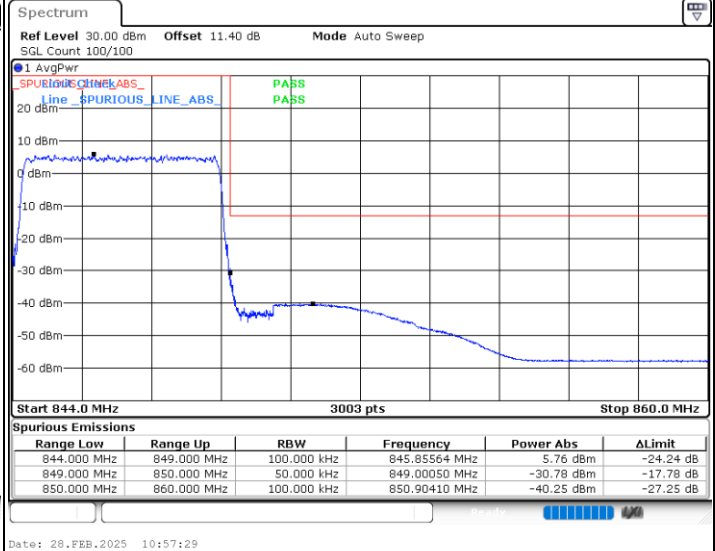


LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / Full RB

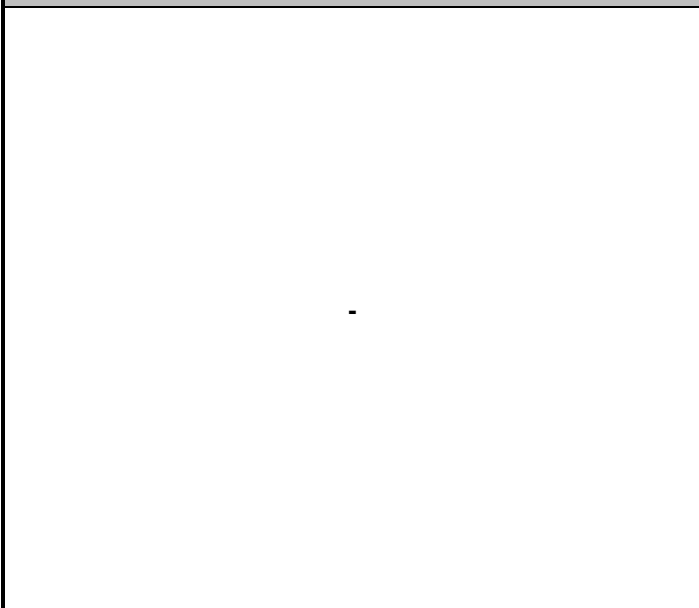


Highest Band Edge / Full RB

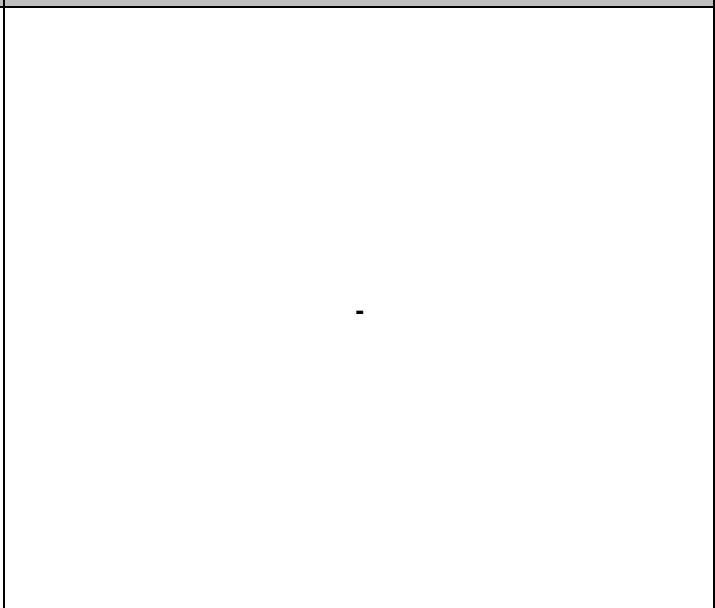


LTE Band 5 / 5MHz / 256QAM

Lowest Band Edge / Full RB



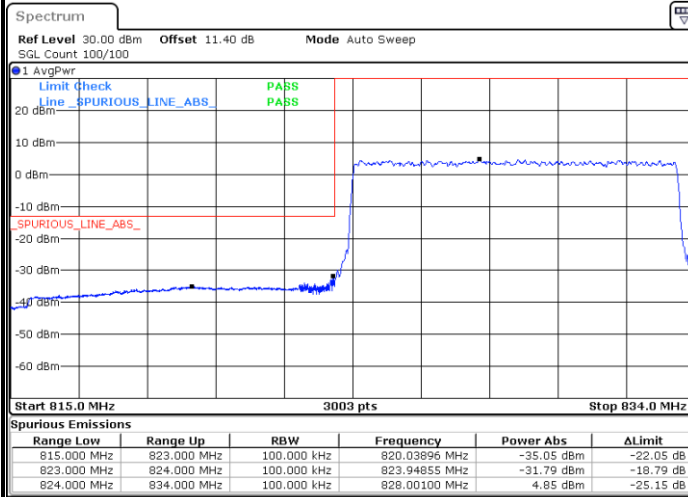
Highest Band Edge / Full RB



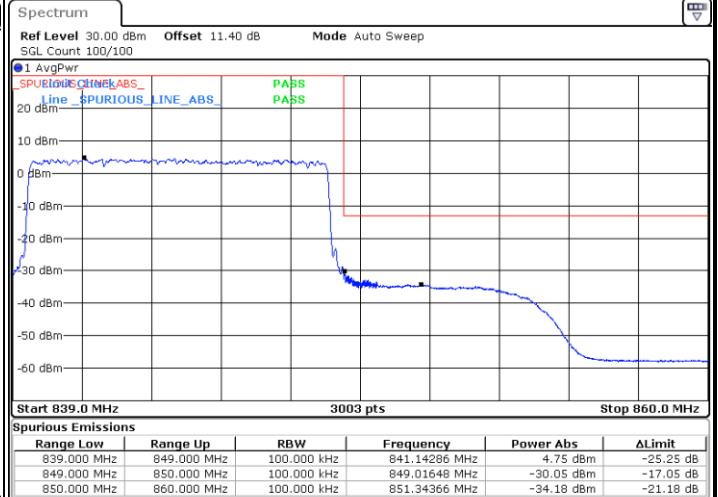


LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / Full RB

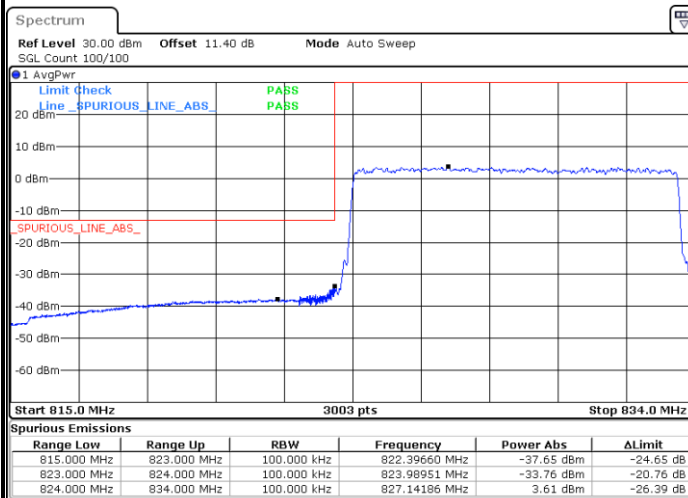


Highest Band Edge / Full RB

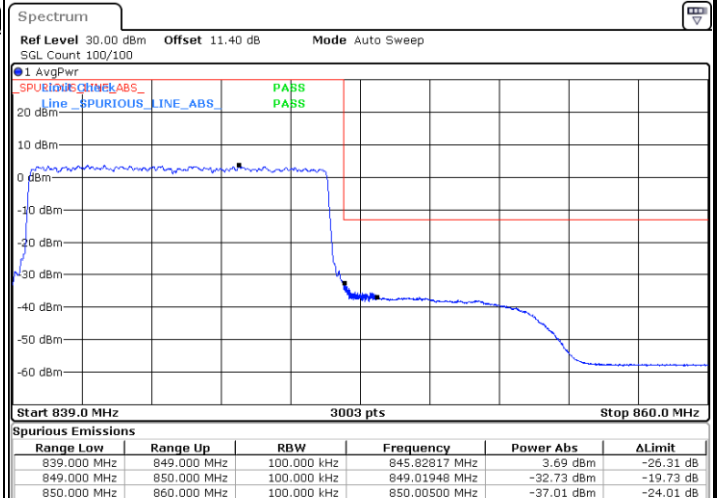


LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / Full RB



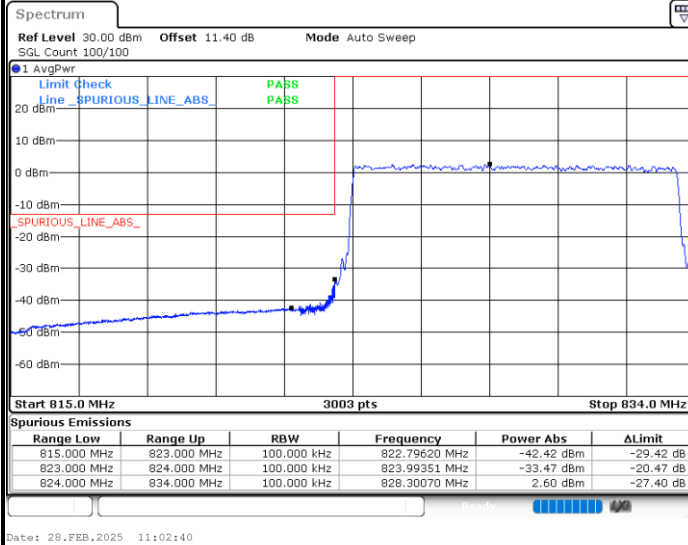
Highest Band Edge / Full RB



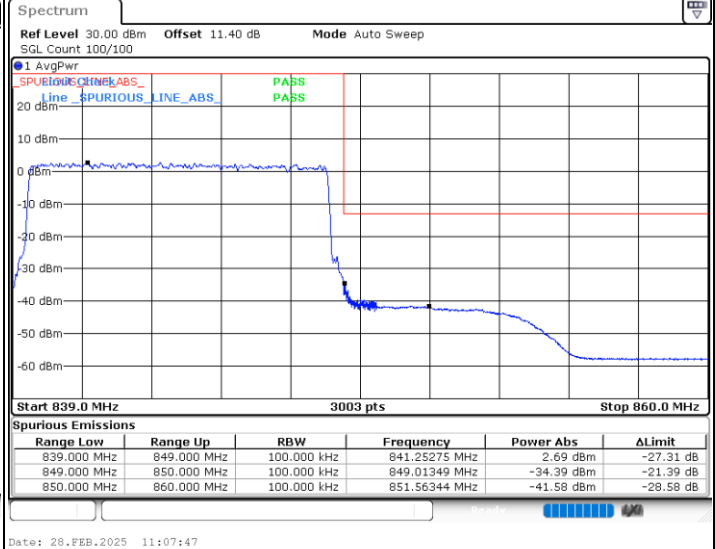


LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / Full RB

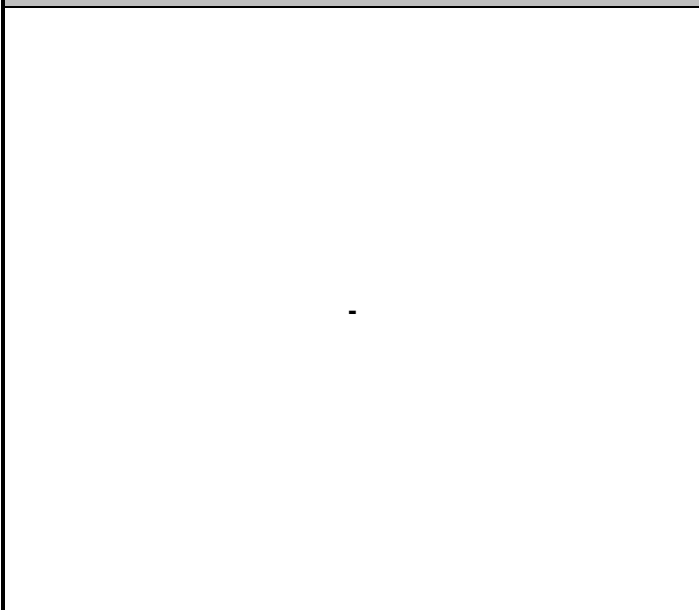


Highest Band Edge / Full RB

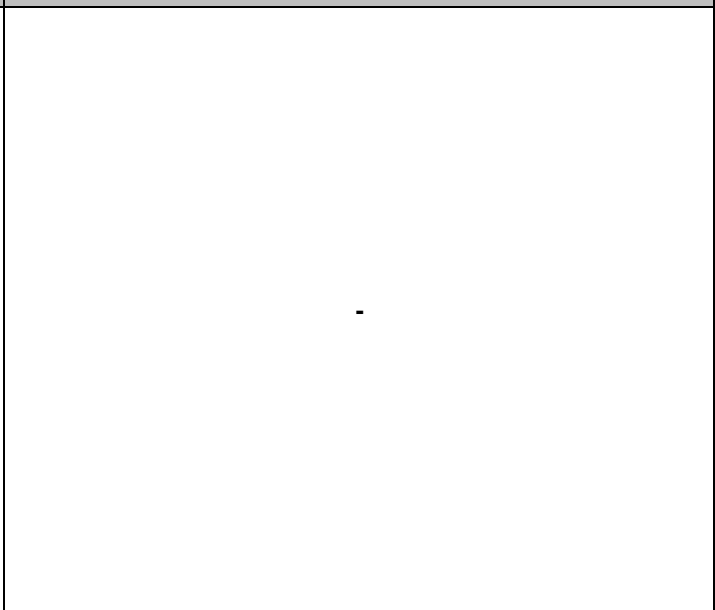


LTE Band 5 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

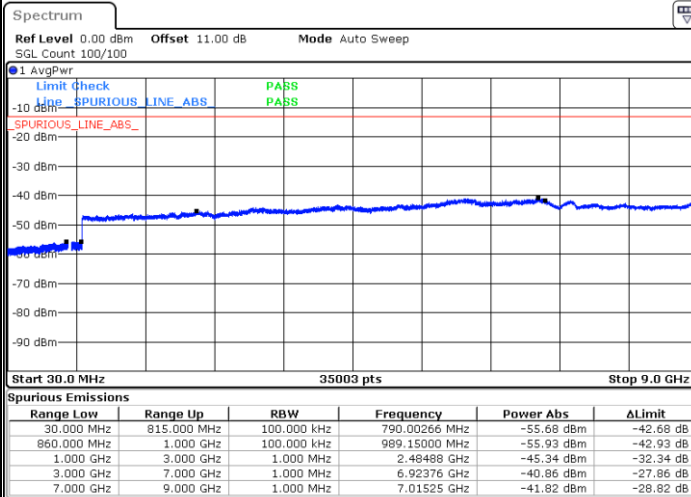




Conducted Spurious Emission

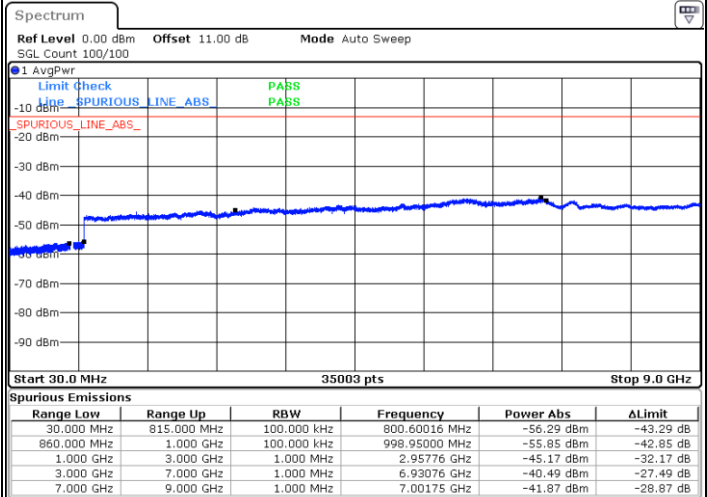
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



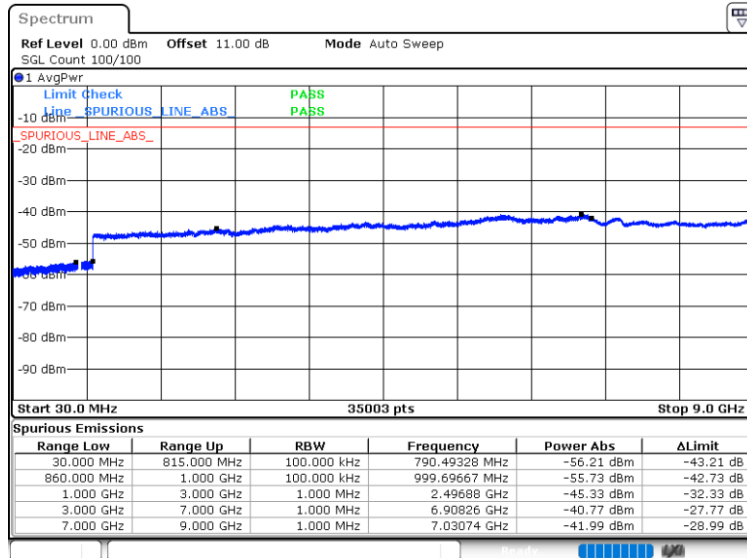
Date: 28.NOV.2024 15:27:57

Middle Channel / QPSK



Date: 28.NOV.2024 15:29:10

Highest Channel / QPSK

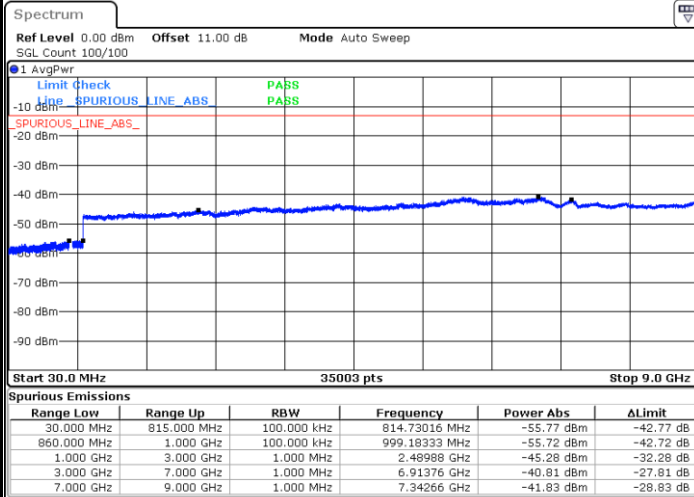


Date: 28.NOV.2024 15:30:22



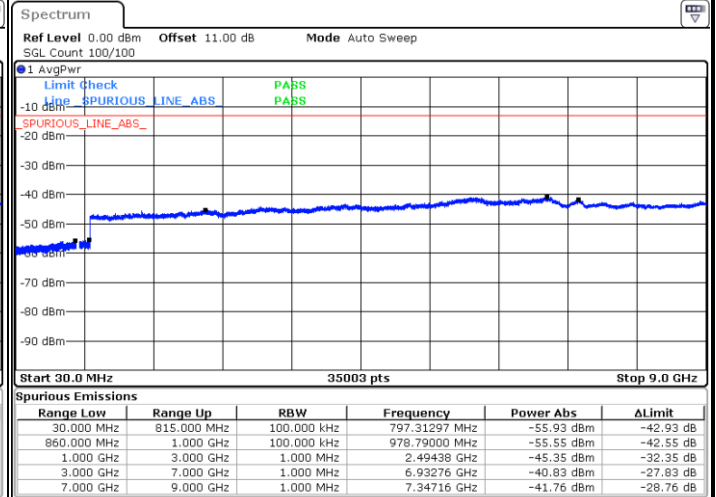
LTE Band 5 / 3MHz

Lowest Channel / QPSK



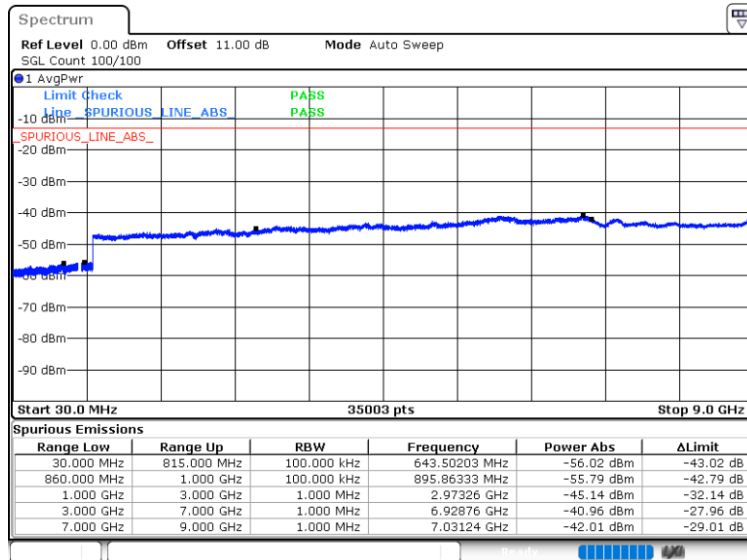
Date: 28.NOV.2024 15:31:35

Middle Channel / QPSK



Date: 28.NOV.2024 15:32:47

Highest Channel / QPSK

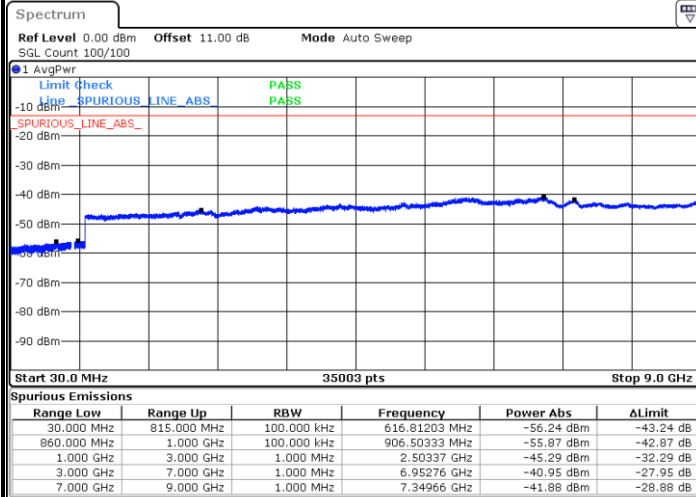


Date: 28.NOV.2024 15:33:59



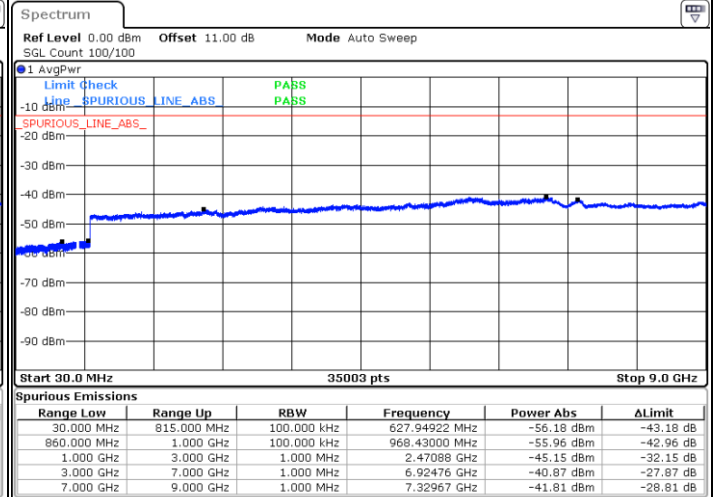
LTE Band 5 / 5MHz

Lowest Channel / QPSK



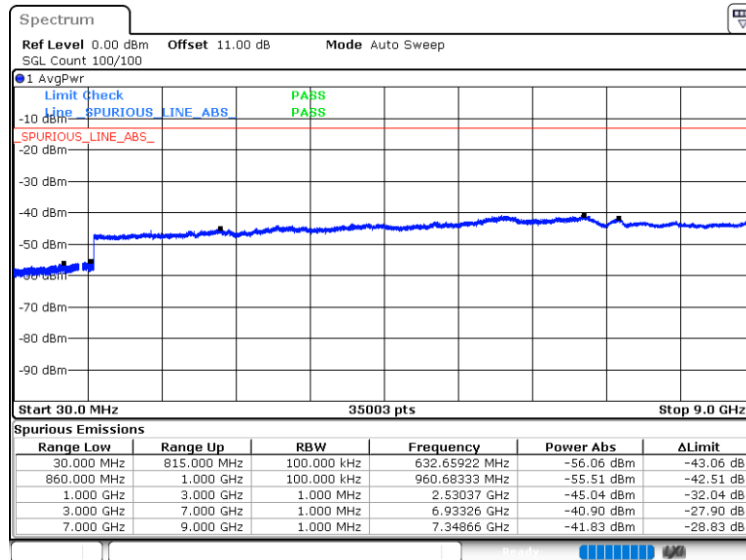
Date: 28.NOV.2024 15:35:12

Middle Channel / QPSK



Date: 28.NOV.2024 15:36:25

Highest Channel / QPSK

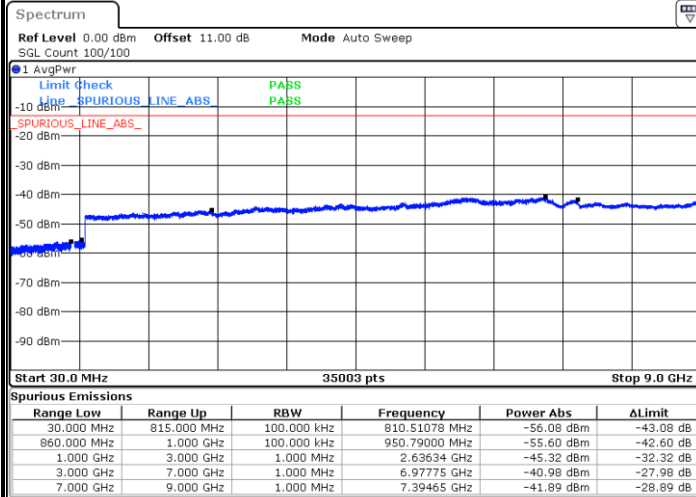


Date: 28.NOV.2024 15:37:37



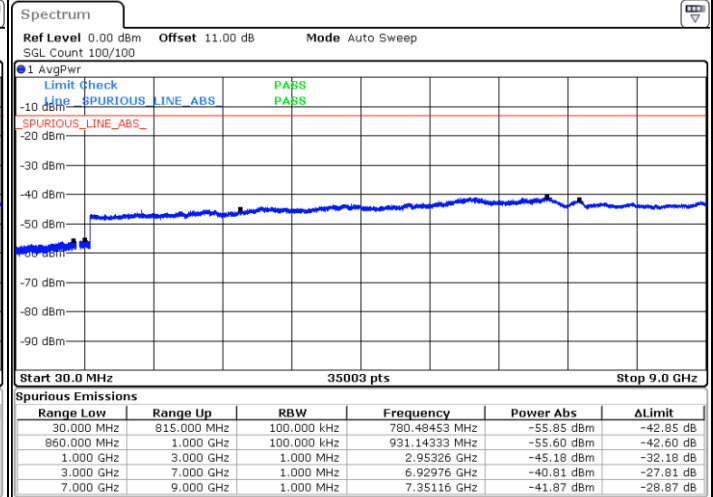
LTE Band 5 / 10MHz

Lowest Channel / QPSK



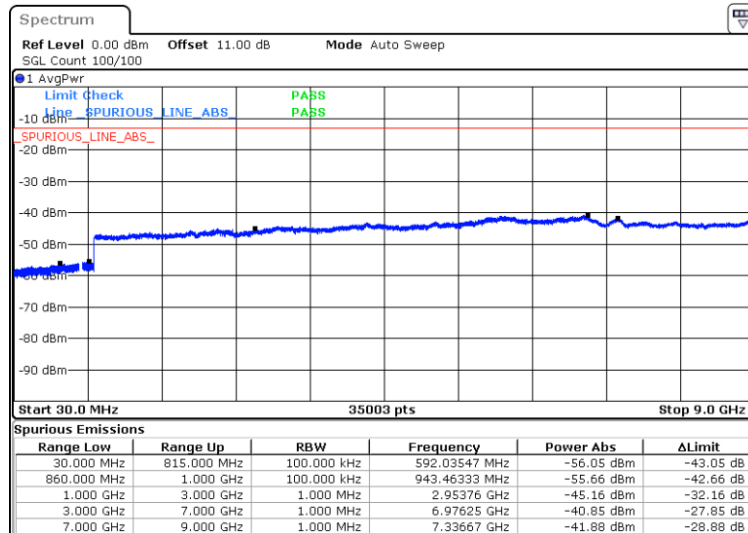
Date: 28.NOV.2024 15:38:50

Middle Channel / QPSK



Date: 28.NOV.2024 15:40:02

Highest Channel / QPSK



Date: 28.NOV.2024 15:41:15

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	2.5 ppm	2.5 ppm
		Deviation (ppm)	Result
35	Normal Voltage	0.0135	PASS
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0122	
20	Maximum Voltage	0.0155	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0087	

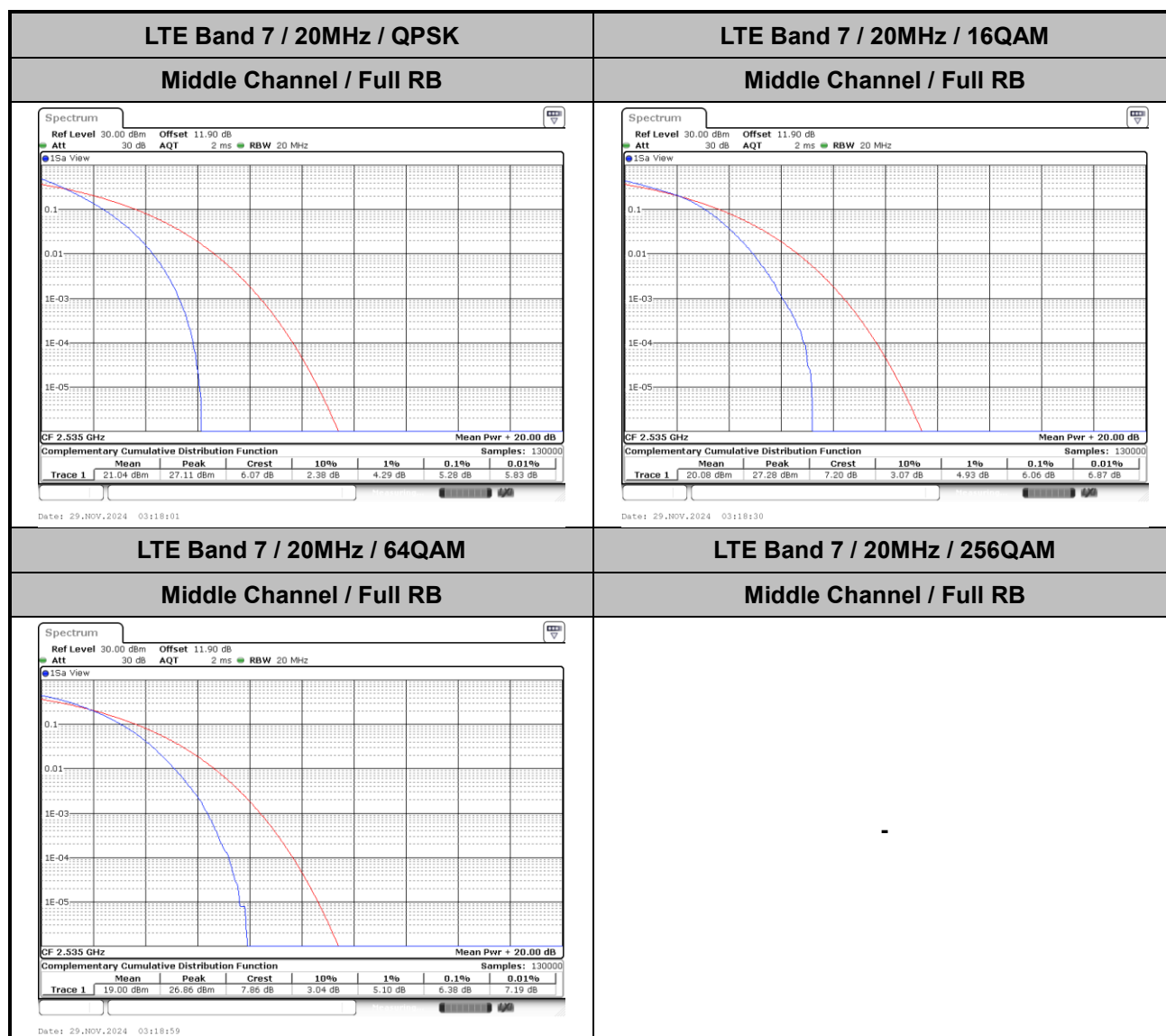
Note: Normal Voltage = 3.88 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.48 V.



LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.28	6.06	6.38	-	PASS



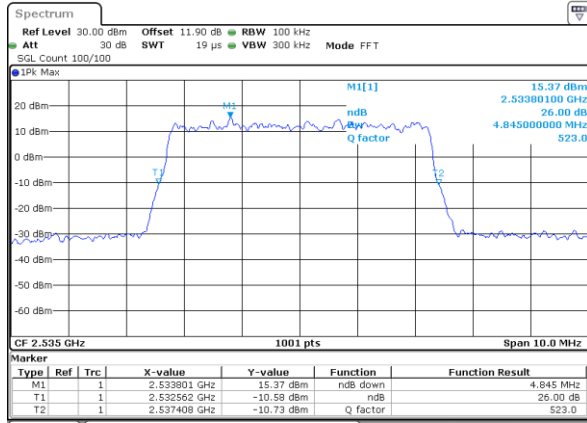
**26dB Bandwidth**

Mode	LTE Band 7 : 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	-	-	-	-	4.84	4.93	9.84	9.68	14.65	14.71	19.14	18.86
Mode	LTE Band 7 : 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	-	-	-	-	4.94	-	9.75	-	14.44	-	18.70	-



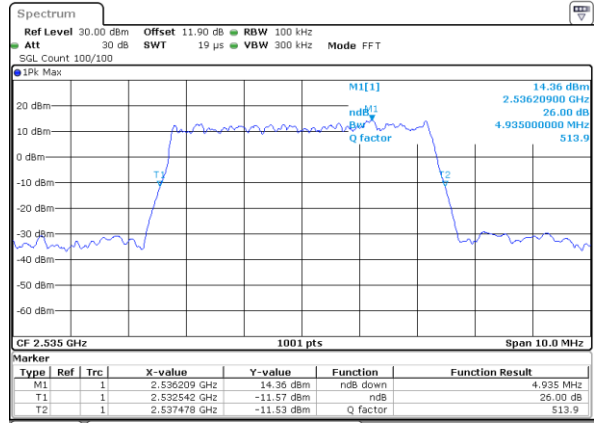
LTE Band 7

Middle Channel / 5MHz / QPSK



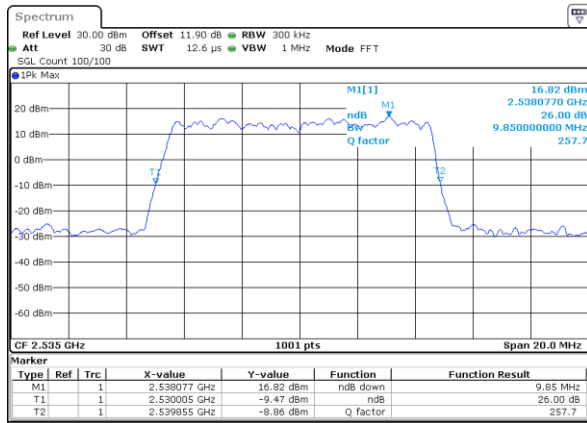
Date: 29.NOV.2024 02:56:22

Middle Channel / 5MHz / 16QAM



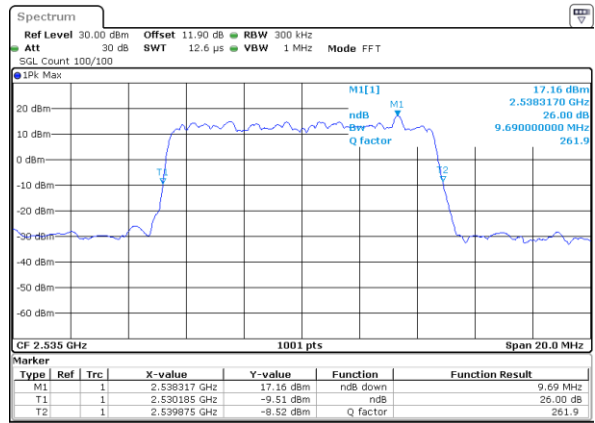
Date: 29.NOV.2024 02:56:49

Middle Channel / 10MHz / QPSK



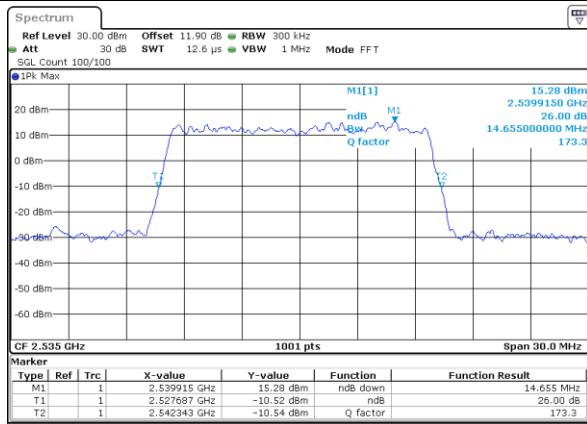
Date: 29.NOV.2024 02:57:51

Middle Channel / 10MHz / 16QAM



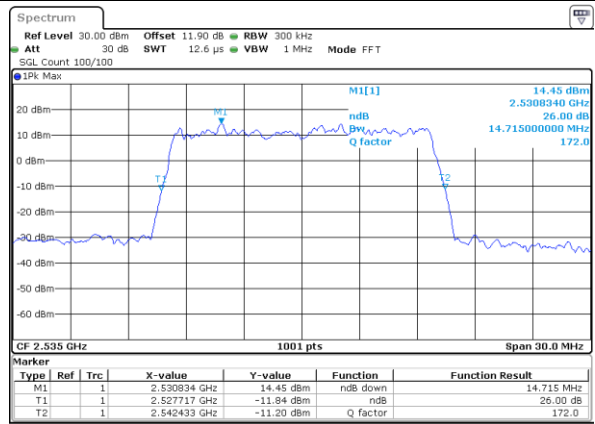
Date: 29.NOV.2024 02:58:18

Middle Channel / 15MHz / QPSK



Date: 29.NOV.2024 02:59:19

Middle Channel / 15MHz / 16QAM

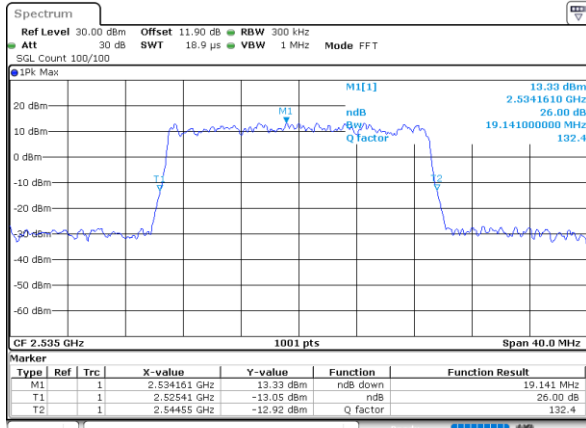


Date: 29.NOV.2024 02:59:47



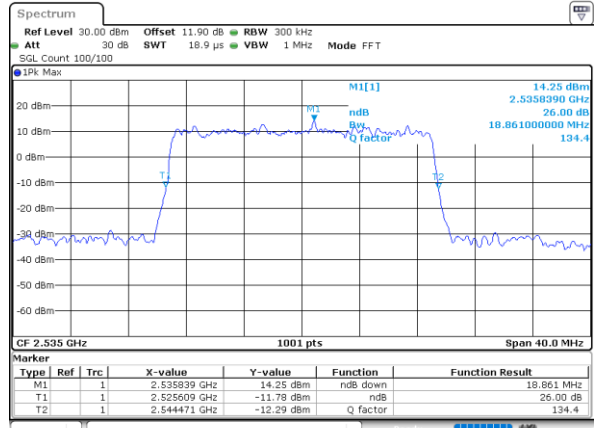
LTE Band 7

Middle Channel / 20MHz / QPSK



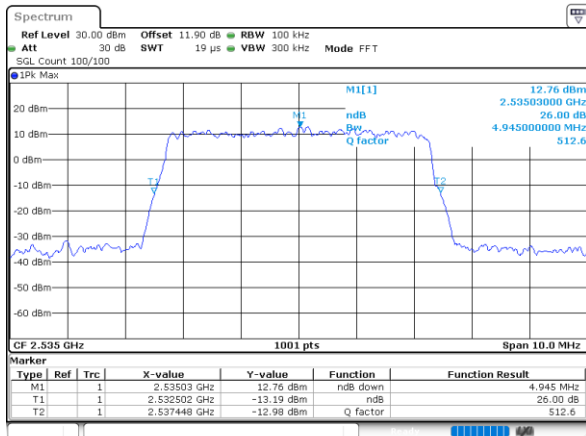
Date: 29.NOV.2024 03:00:40

Middle Channel / 20MHz / 16QAM



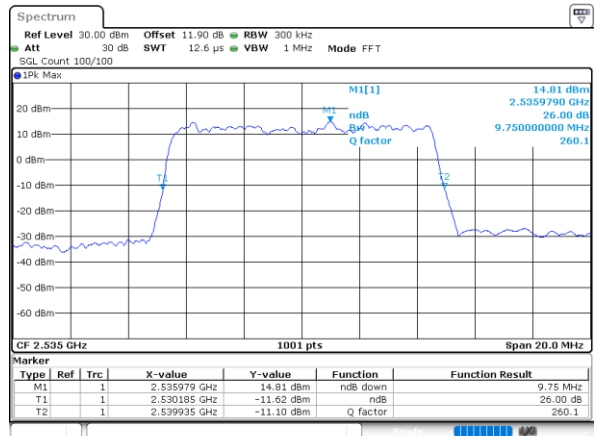
Date: 29.NOV.2024 03:01:15

Middle Channel / 5MHz / 64QAM



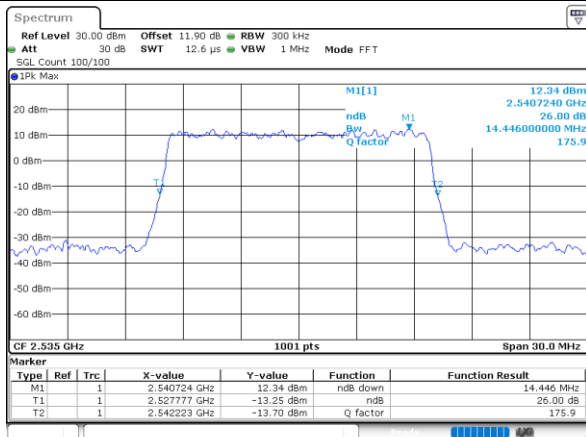
Date: 29.NOV.2024 02:57:17

Middle Channel / 10MHz / 64QAM



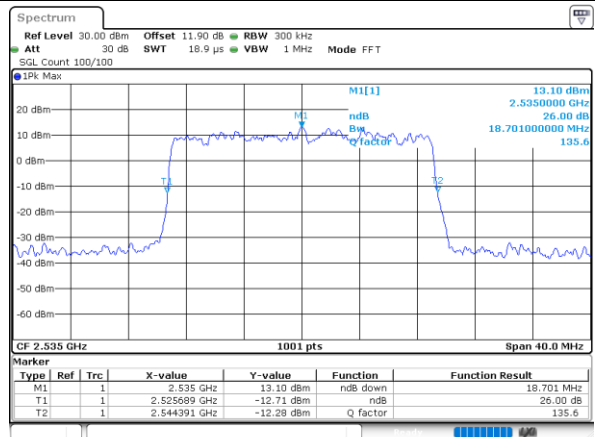
Date: 29.NOV.2024 02:58:46

Middle Channel / 15MHz / 64QAM



Date: 29.NOV.2024 03:00:14

Middle Channel / 20MHz / 64QAM



Date: 29.NOV.2024 03:01:43

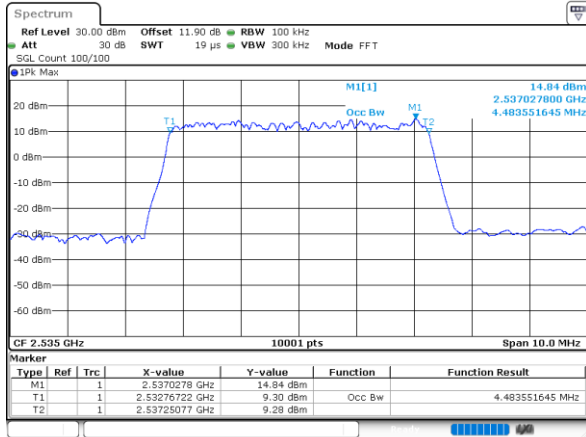
**Occupied Bandwidth**

Mode	LTE Band 7 : 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	4.49	9.03	9.01	13.39	13.47	17.87	17.81
Mode	LTE Band 7 : 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	-	9.04	-	13.43	-	17.86	-

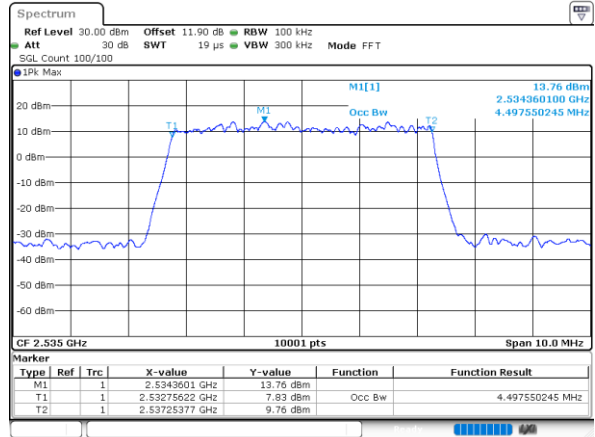


LTE Band 7

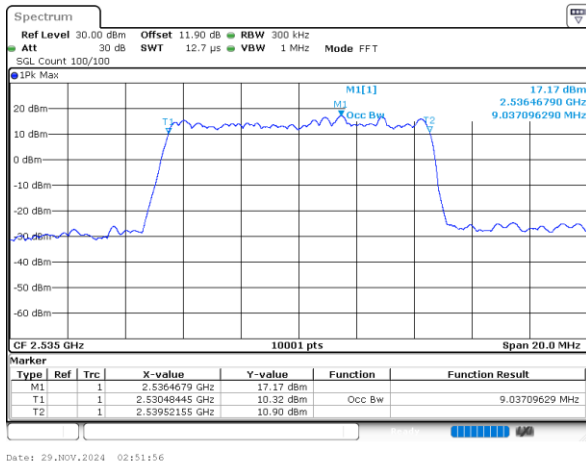
Middle Channel / 5MHz / QPSK



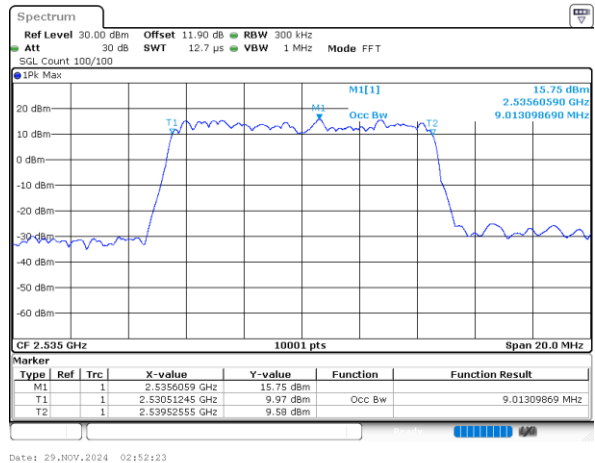
Middle Channel / 5MHz / 16QAM



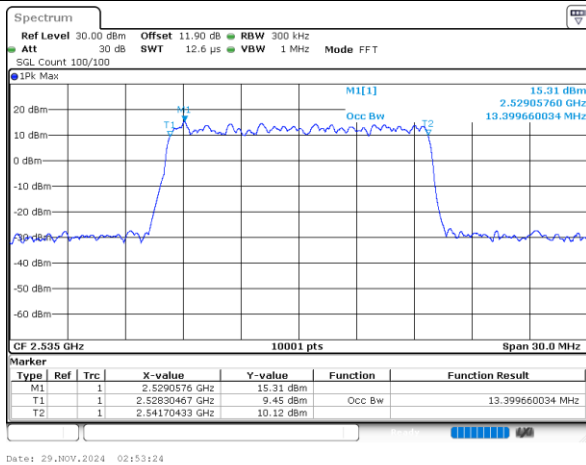
Middle Channel / 10MHz / QPSK



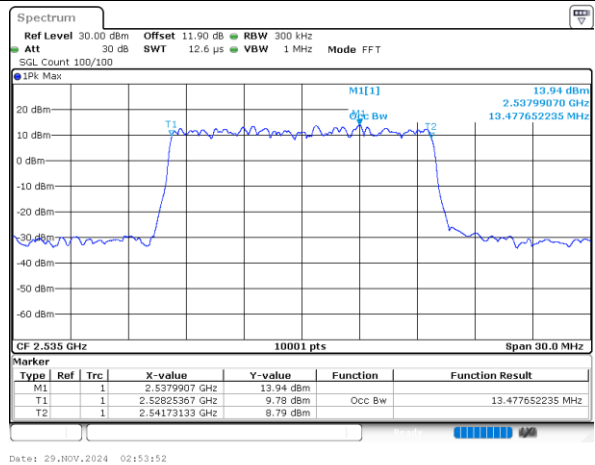
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



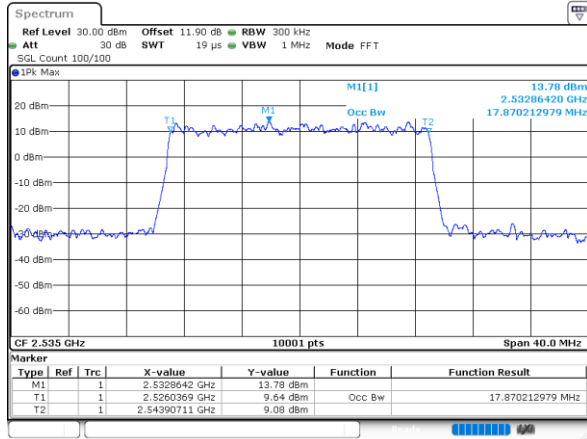
Middle Channel / 15MHz / 16QAM





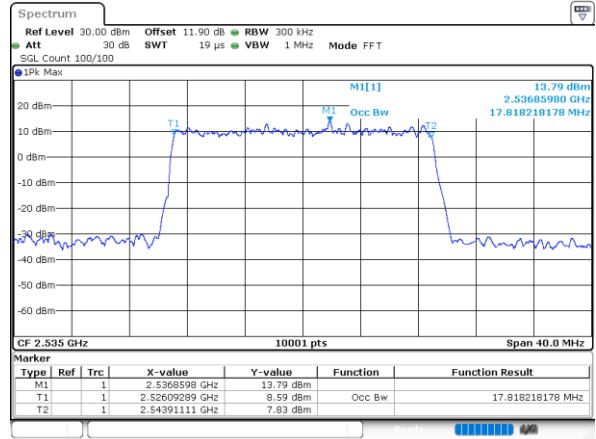
LTE Band 7

Middle Channel / 20MHz / QPSK



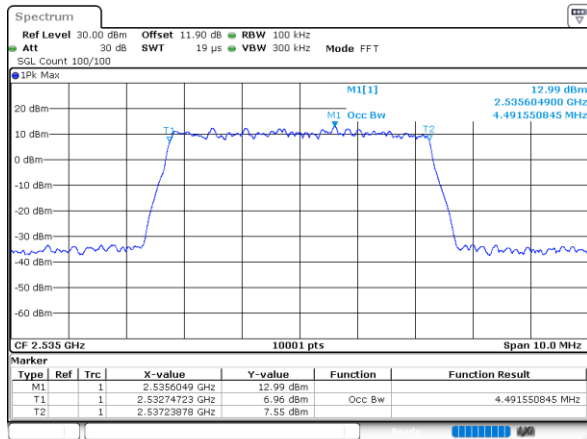
Date: 29.NOV.2024 02:54:53

Middle Channel / 20MHz / 16QAM



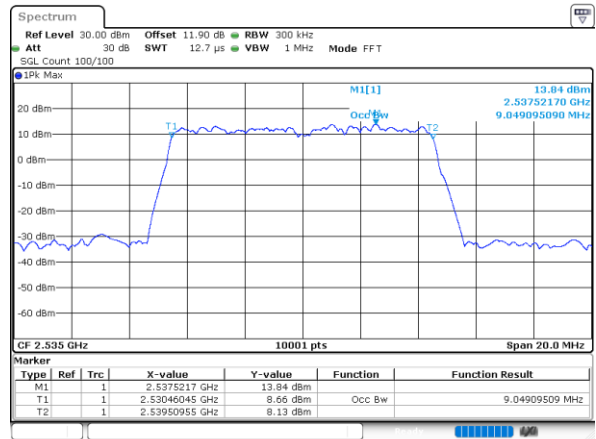
Date: 29.NOV.2024 02:55:121

Middle Channel / 5MHz / 64QAM



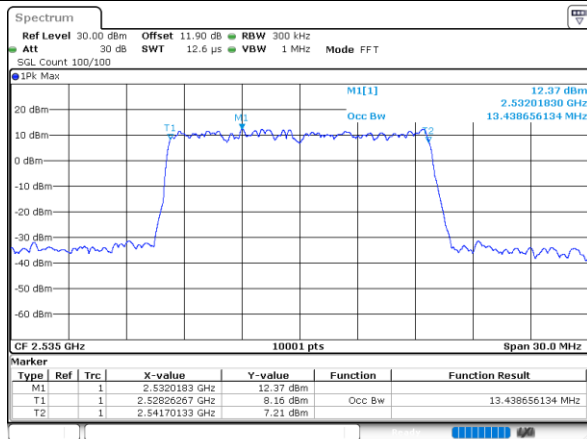
Date: 29.NOV.2024 02:51:22

Middle Channel / 10MHz / 64QAM



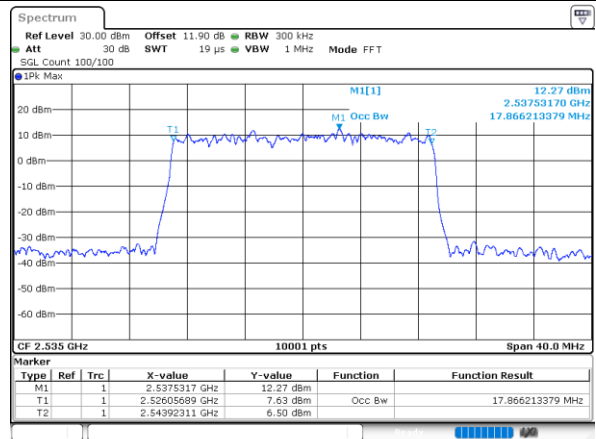
Date: 29.NOV.2024 02:52:151

Middle Channel / 15MHz / 64QAM



Date: 29.NOV.2024 02:54:20

Middle Channel / 20MHz / 64QAM



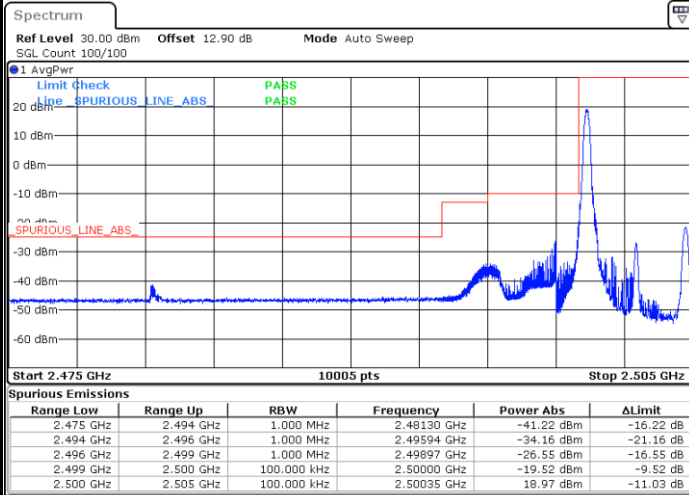
Date: 29.NOV.2024 02:55:148



Conducted Band Edge

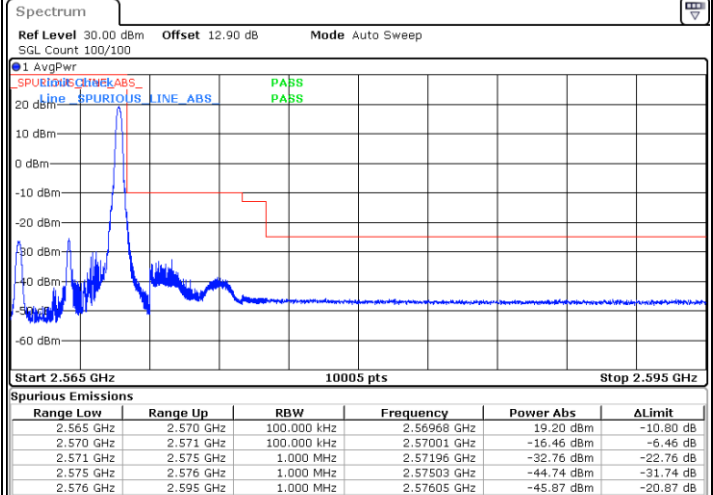
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



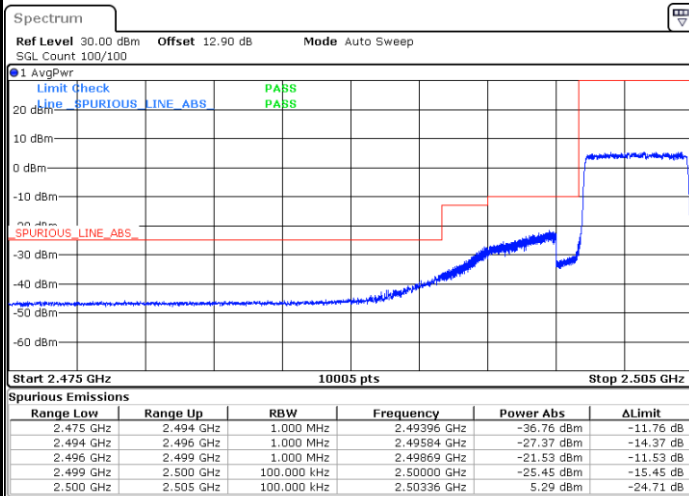
Date: 3.MAR.2025 09:34:43

Highest Band Edge / 1 RB



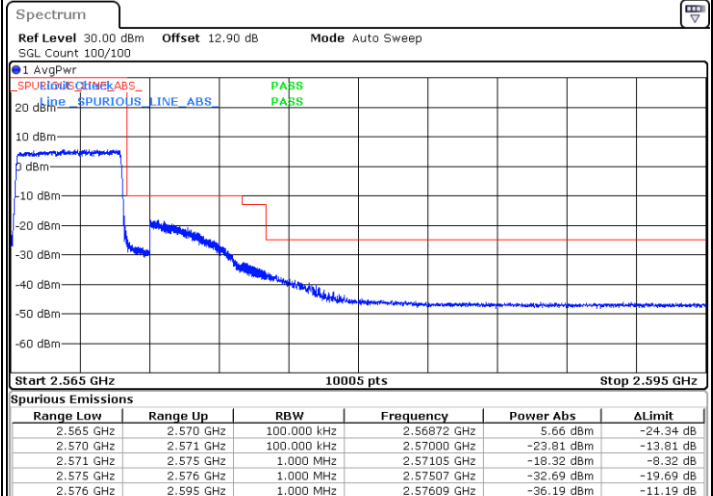
Date: 3.MAR.2025 09:50:23

Lowest Band Edge / Full RB



Date: 3.MAR.2025 09:42:37

Highest Band Edge / Full RB

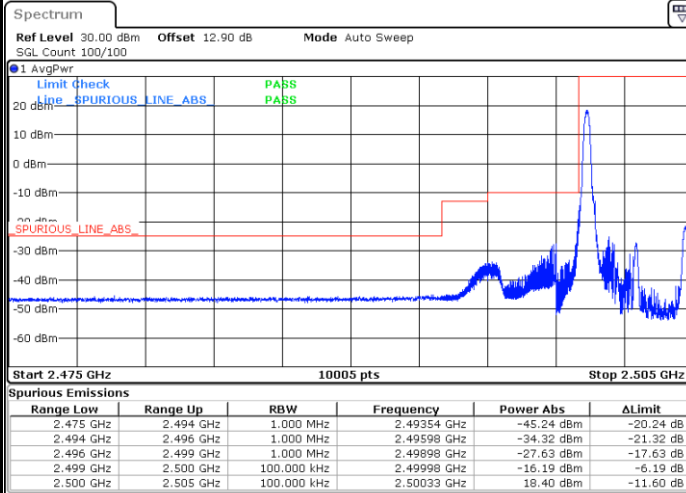


Date: 3.MAR.2025 09:57:21



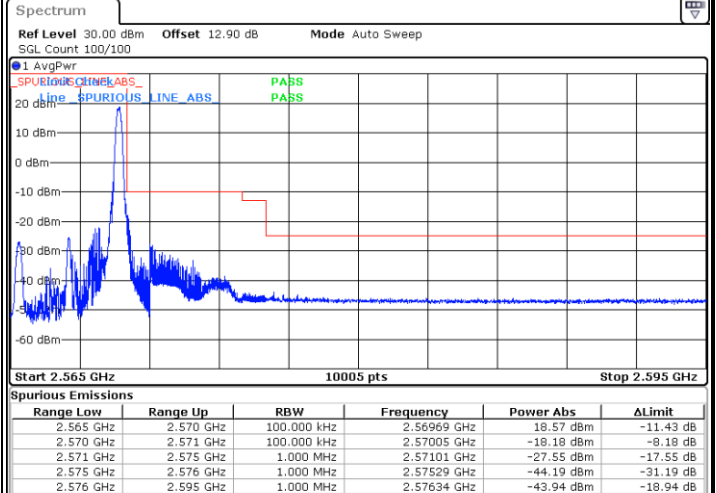
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



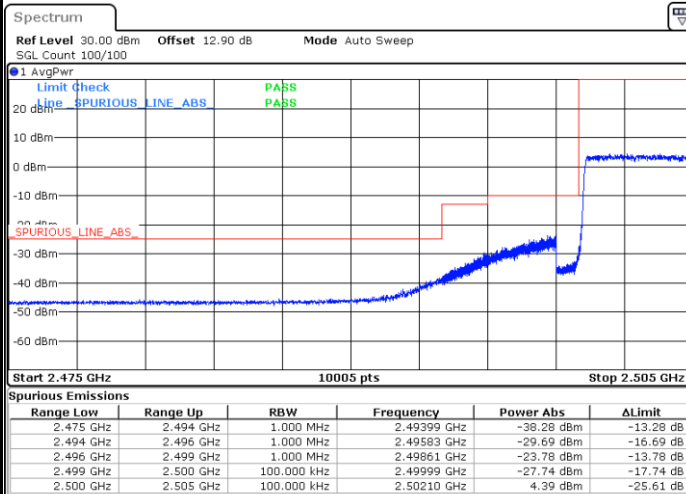
Date: 3.MAR.2025 09:39:23

Highest Band Edge / 1 RB



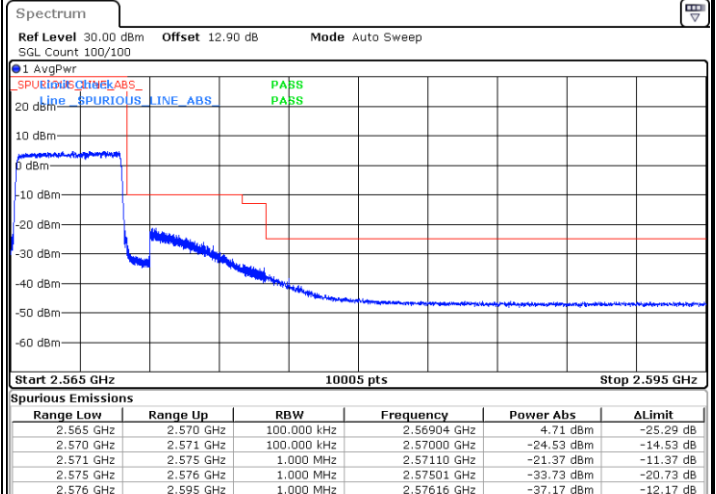
Date: 3.MAR.2025 09:53:43

Lowest Band Edge / Full RB



Date: 3.MAR.2025 09:44:11

Highest Band Edge / Full RB

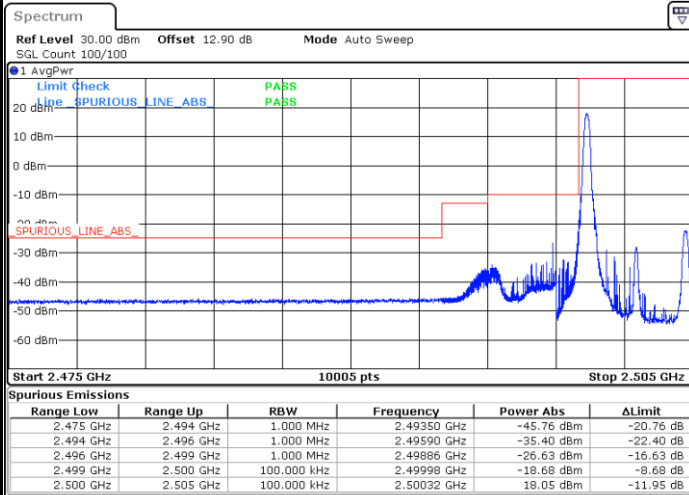


Date: 3.MAR.2025 10:00:23



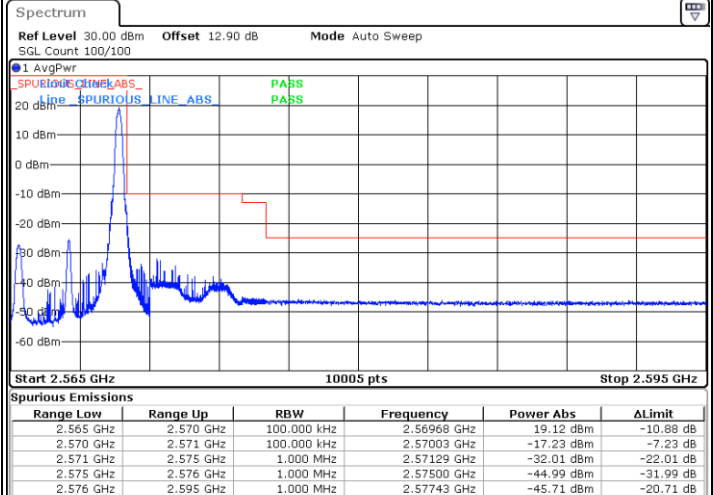
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



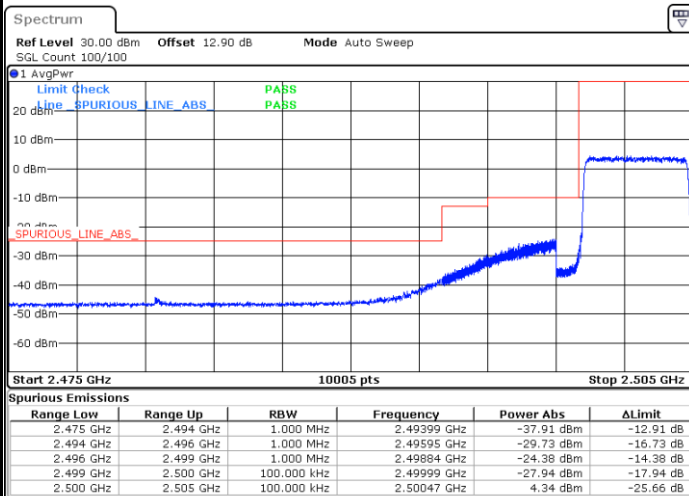
Date: 3.MAR.2025 09:40:56

Highest Band Edge / 1 RB



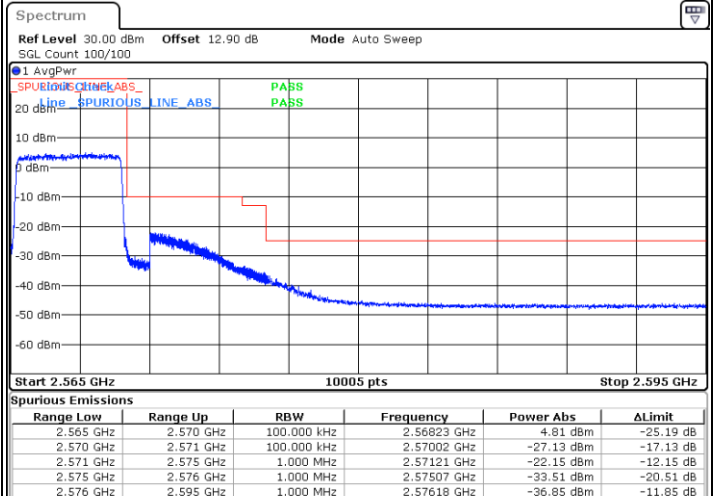
Date: 3.MAR.2025 09:55:29

Lowest Band Edge / Full RB



Date: 3.MAR.2025 09:45:43

Highest Band Edge / Full RB



Date: 3.MAR.2025 10:01:47