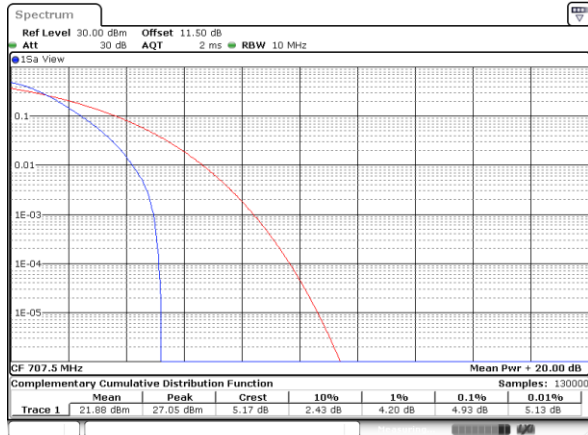




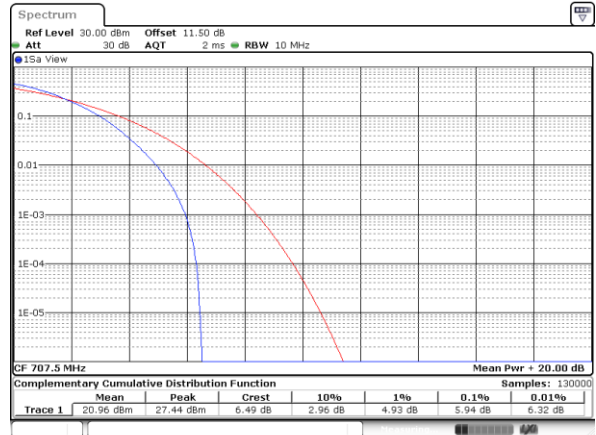
LTE Band 12 / 10MHz / QPSK

Middle Channel / Full RB



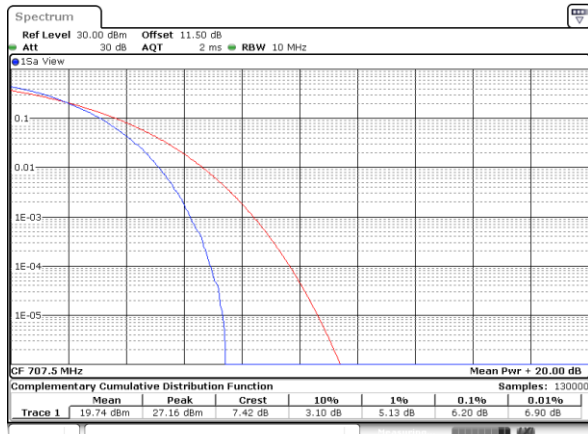
LTE Band 12 / 10MHz / 16QAM

Middle Channel / Full RB



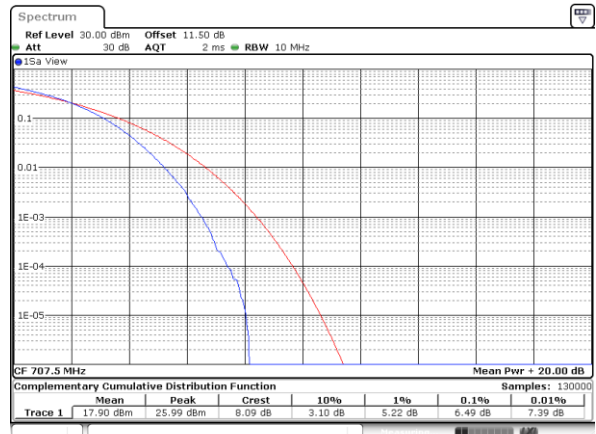
LTE Band 12 / 10MHz / 64QAM

Middle Channel / Full RB



LTE Band 12 / 10MHz / 256QAM

Middle Channel / Full RB



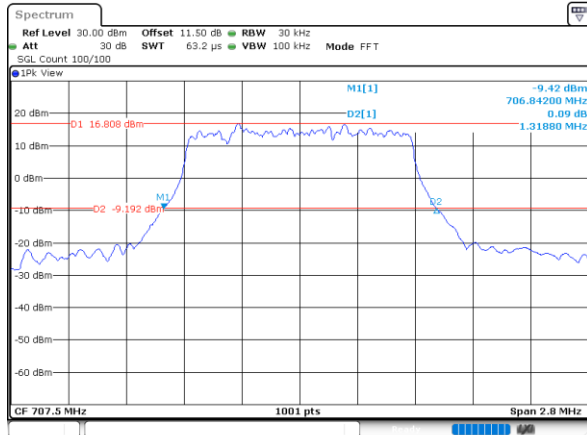
**26dB Bandwidth**

Mode	LTE Band 12 : 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	1.31	1.33	3.13	3.06	5.01	5.03	9.78	10.08	-	-	-	-
Mode	LTE Band 12 : 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	1.33	1.30	3.09	3.00	5.00	4.90	9.68	9.90	-	-	-	-



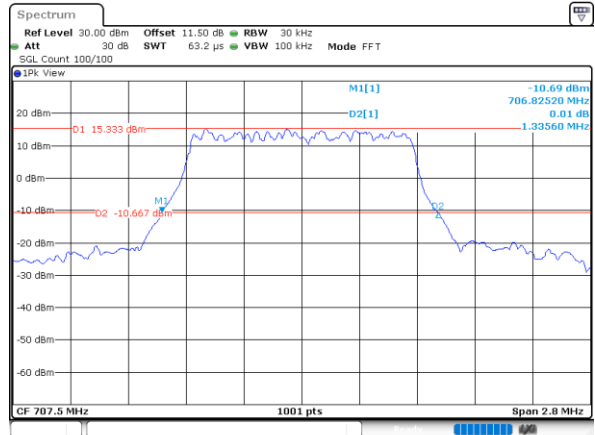
LTE Band 12

Middle Channel / 1.4MHz / QPSK



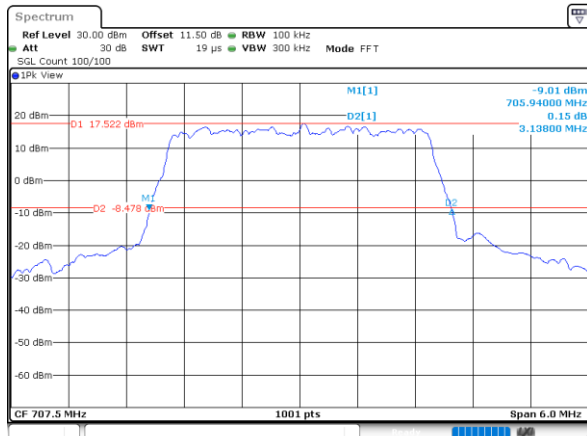
Date: 20 JUN 2025 05:24:42

Middle Channel / 1.4MHz / 16QAM



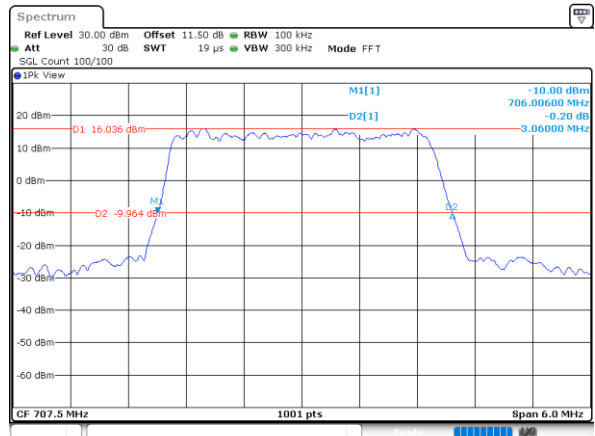
Date: 20 JUN 2025 05:25:10

Middle Channel / 3MHz / QPSK



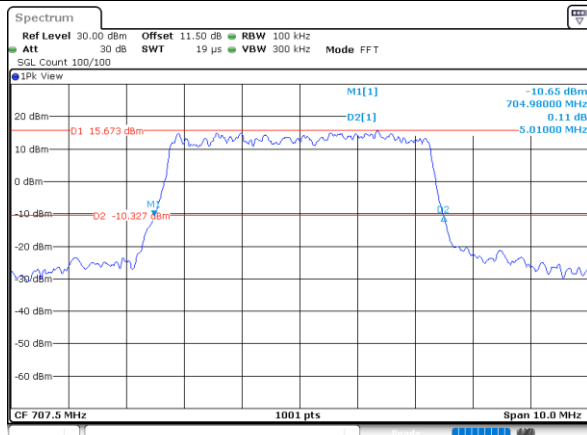
Date: 20 JUN 2025 05:26:39

Middle Channel / 3MHz / 16QAM



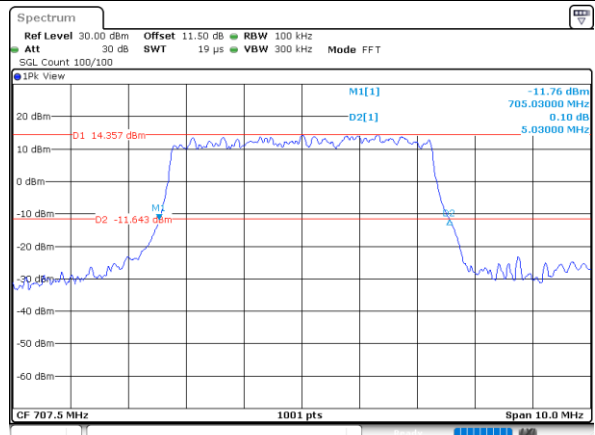
Date: 20 JUN 2025 05:27:07

Middle Channel / 5MHz / QPSK



Date: 20 JUN 2025 05:28:37

Middle Channel / 5MHz / 16QAM

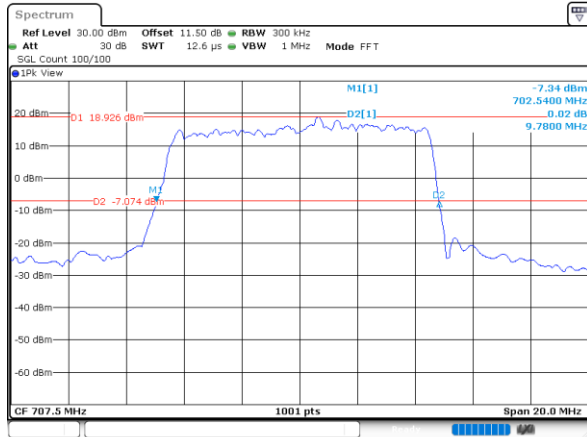


Date: 20 JUN 2025 05:29:05

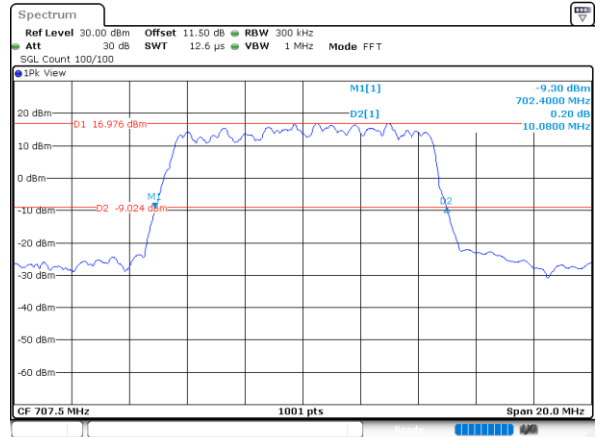


LTE Band 12

Middle Channel / 10MHz / QPSK

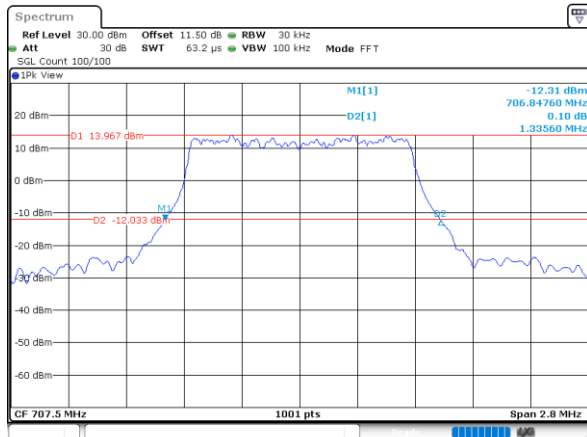


Middle Channel / 10MHz / 16QAM

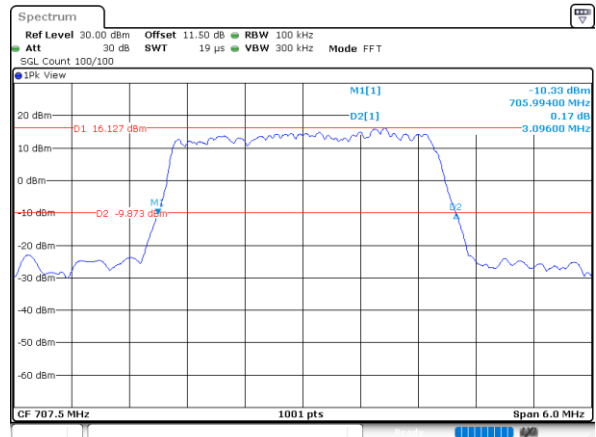


LTE Band 12

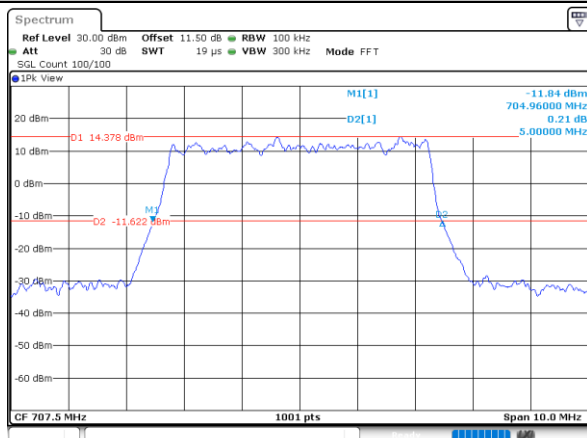
Middle Channel / 1.4MHz / 64QAM



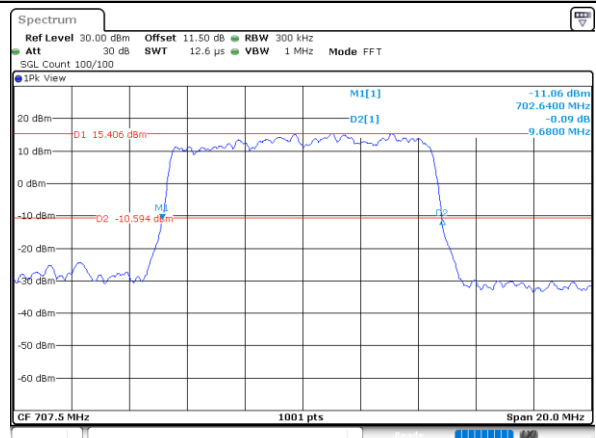
Middle Channel / 3MHz / 64QAM

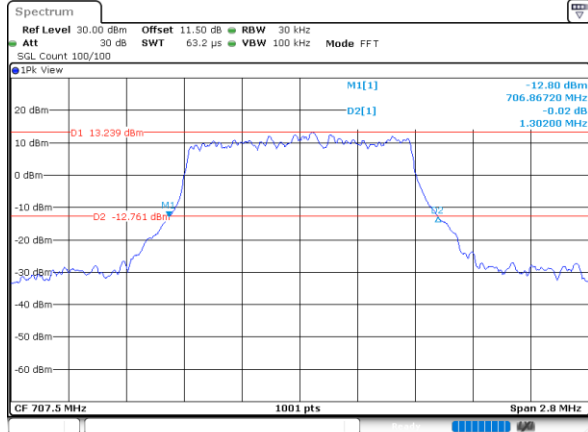
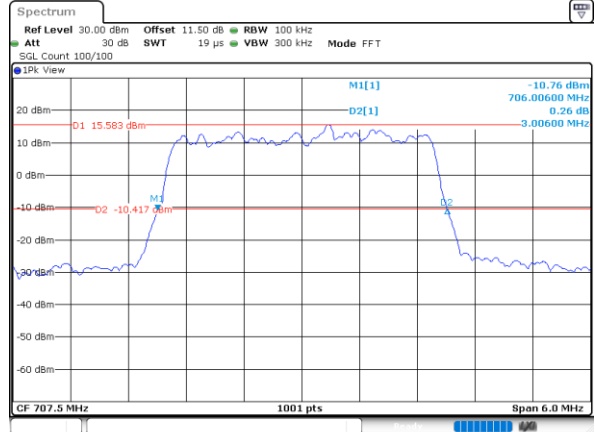
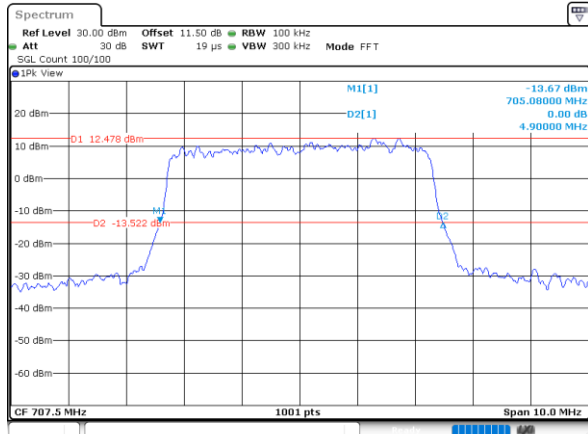
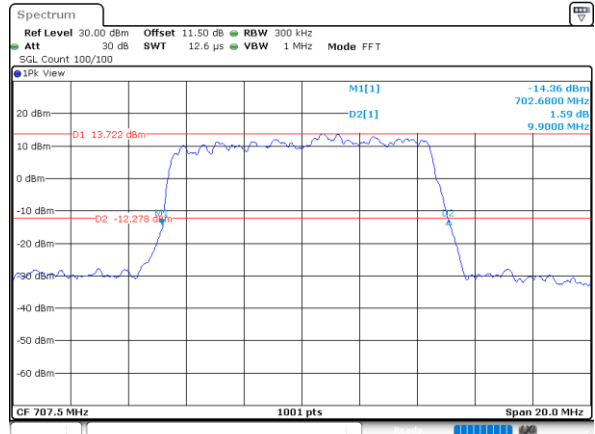


Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



**LTE Band 12****Middle Channel / 1.4MHz / 256QAM****Middle Channel / 3MHz / 256QAM****Middle Channel / 5MHz / 256QAM****Middle Channel / 10MHz / 256QAM**

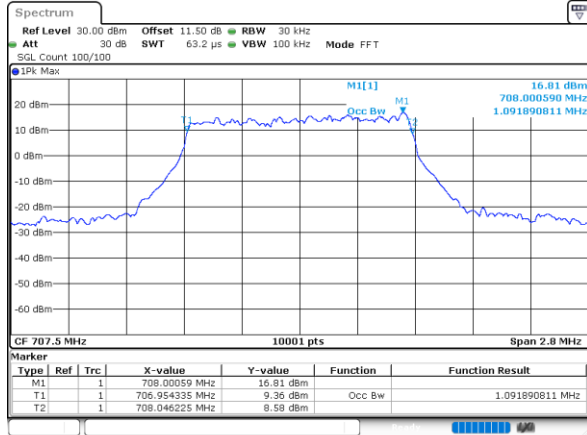
**Occupied Bandwidth**

Mode	LTE Band 12 : 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	1.10	2.74	2.70	4.49	4.48	9.04	8.98	-	-	-	-
Mode	LTE Band 12 : 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	1.11	1.10	2.72	2.74	4.50	4.49	8.95	8.95	-	-	-	-

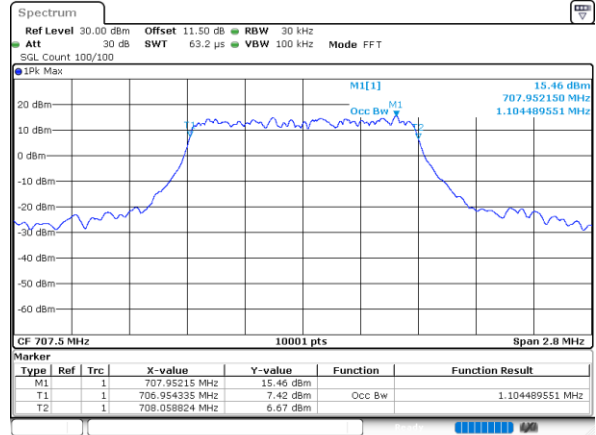


LTE Band 12

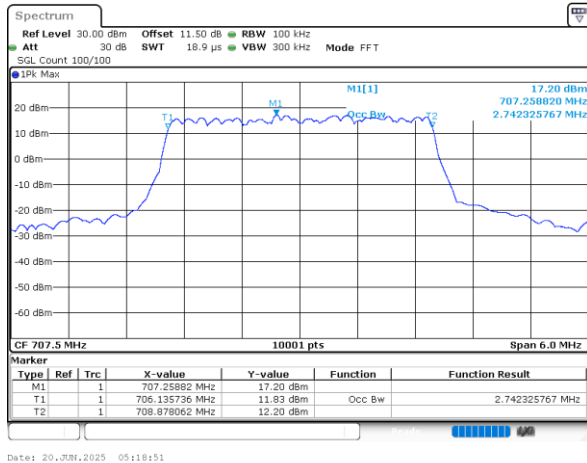
Middle Channel / 1.4MHz / QPSK



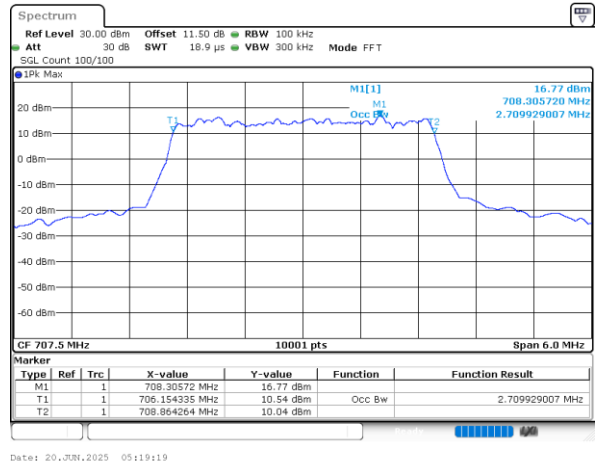
Middle Channel / 1.4MHz / 16QAM



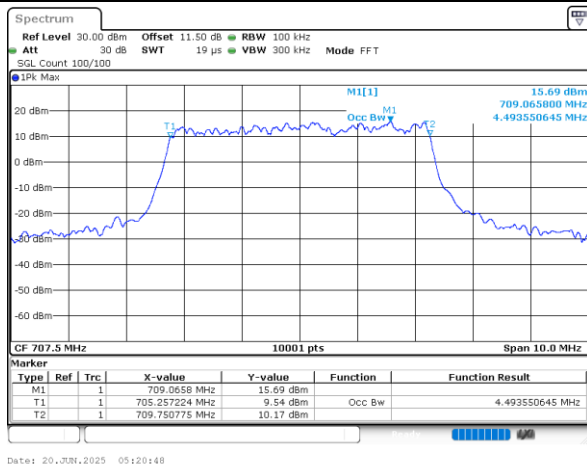
Middle Channel / 3MHz / QPSK



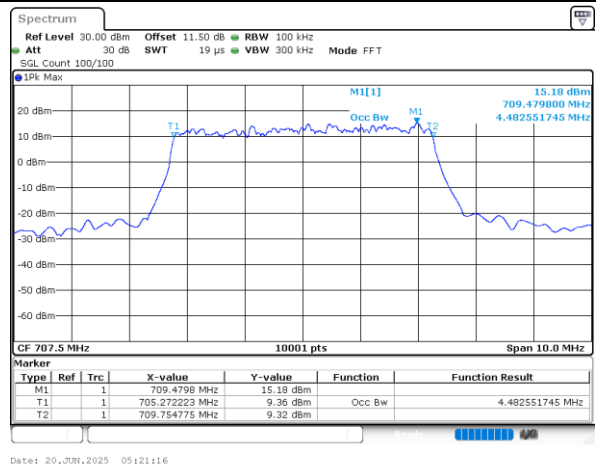
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



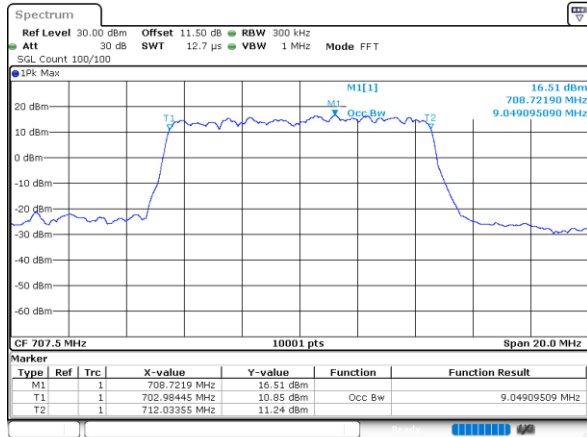
Middle Channel / 5MHz / 16QAM



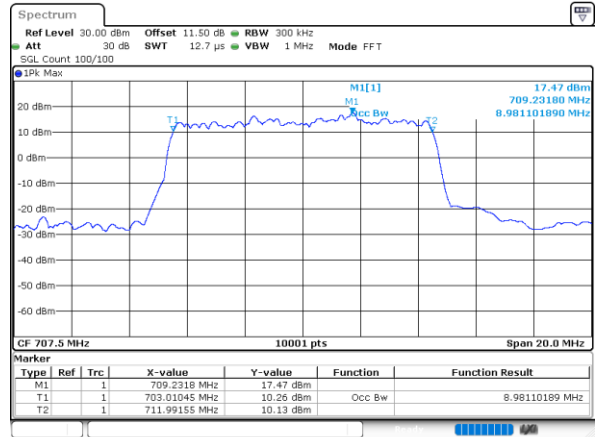


LTE Band 12

Middle Channel / 10MHz / QPSK

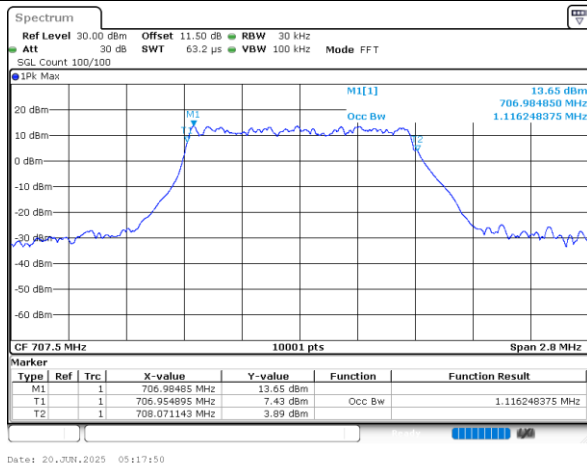


Middle Channel / 10MHz / 16QAM

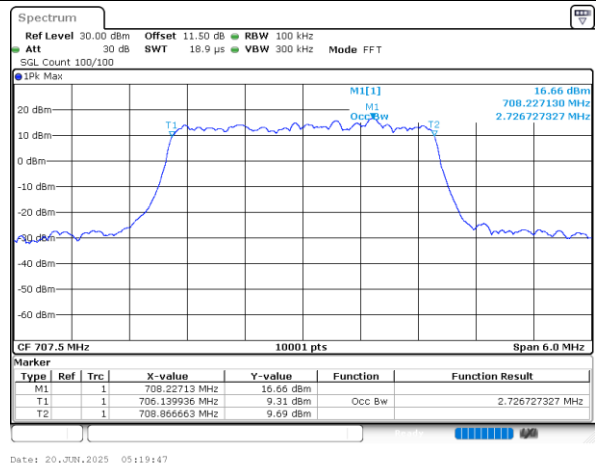


LTE Band 12

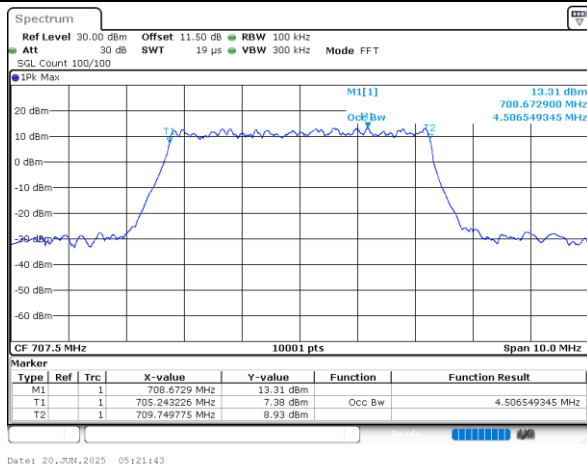
Middle Channel / 1.4MHz / 64QAM



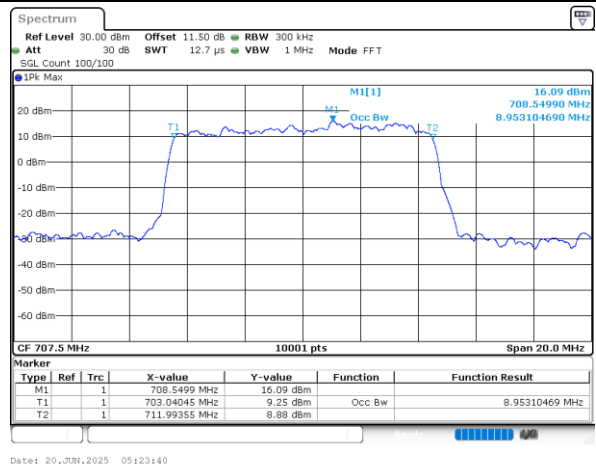
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM



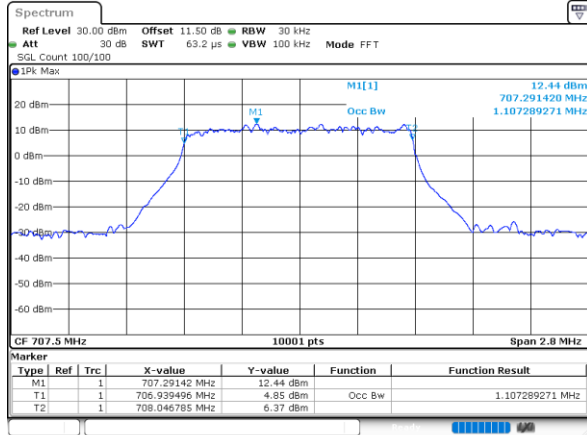
Middle Channel / 10MHz / 64QAM



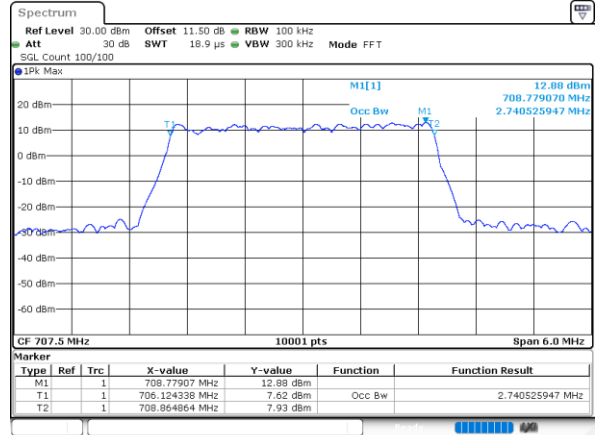


LTE Band 12

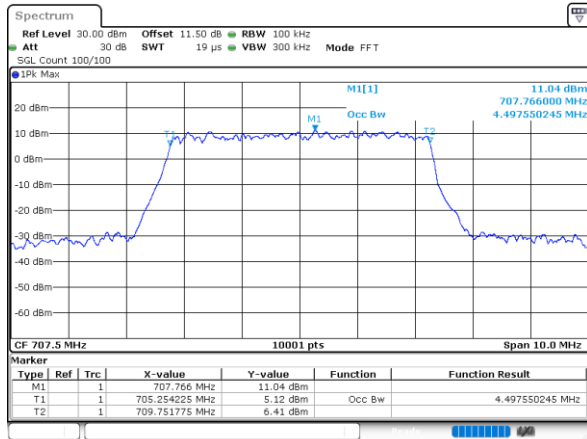
Middle Channel / 1.4MHz / 256QAM



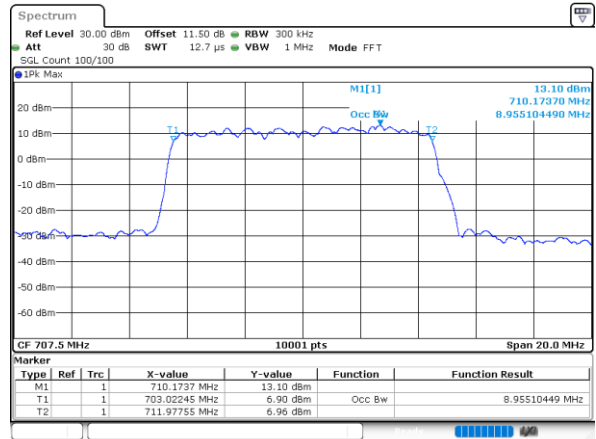
Middle Channel / 3MHz / 256QAM

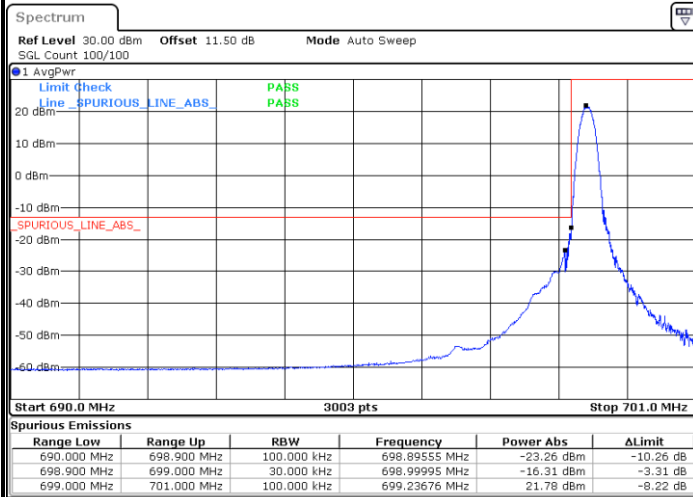
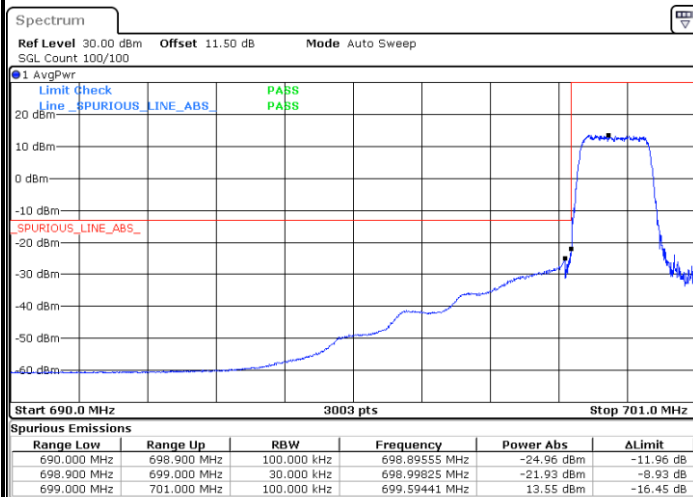
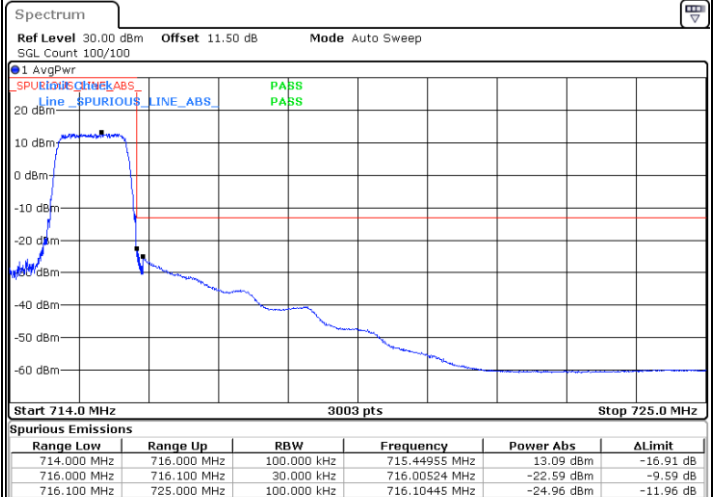


Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM

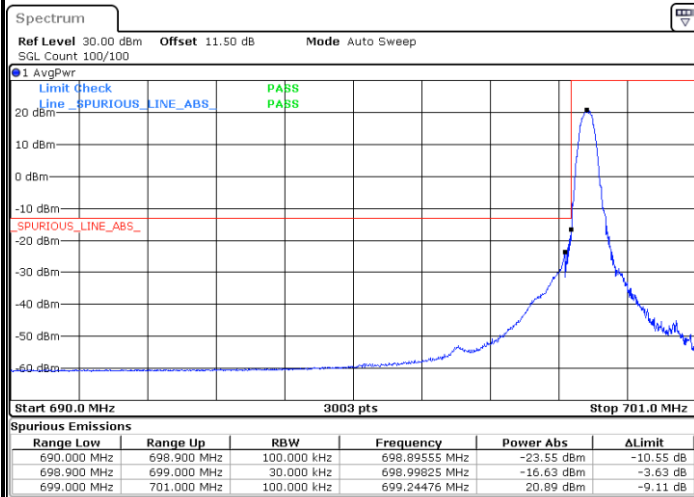


**Conducted Band Edge****LTE Band 12 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

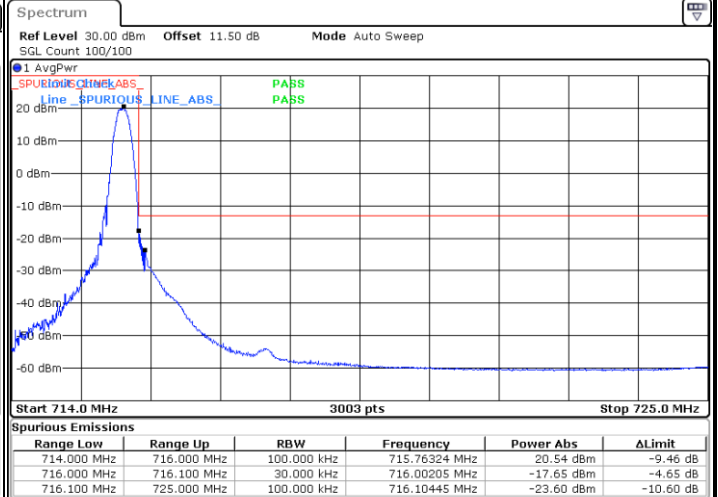


LTE Band 12 / 1.4MHz / 16QAM

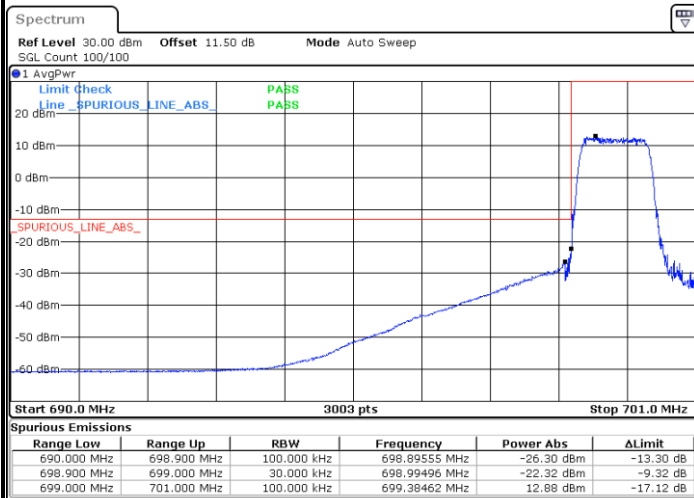
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



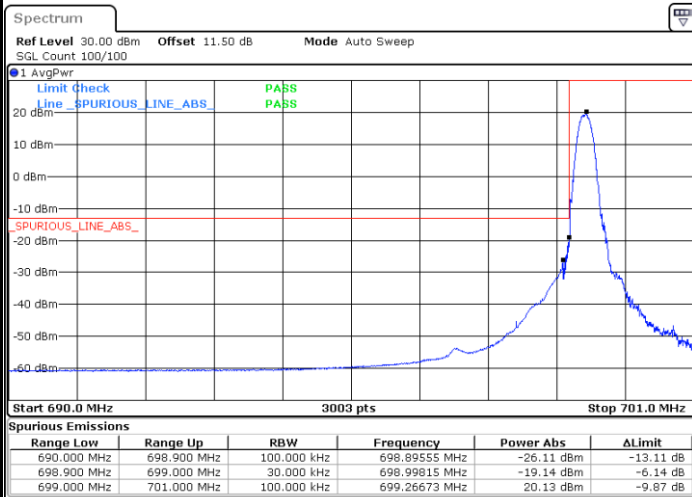
Highest Band Edge / Full RB



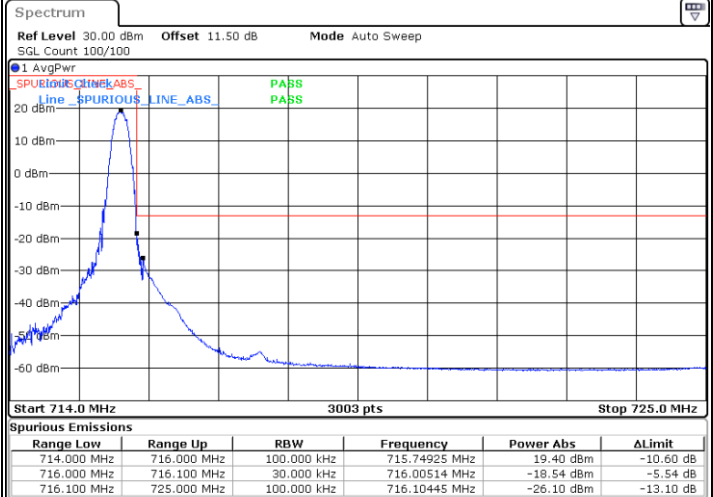


LTE Band 12 / 1.4MHz / 64QAM

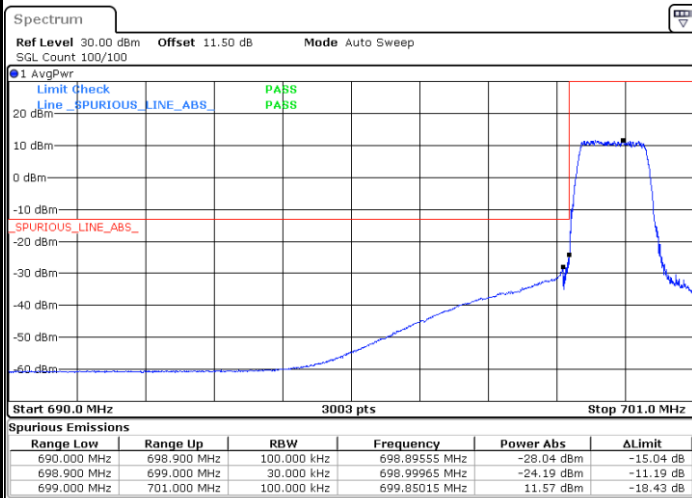
Lowest Band Edge / 1 RB



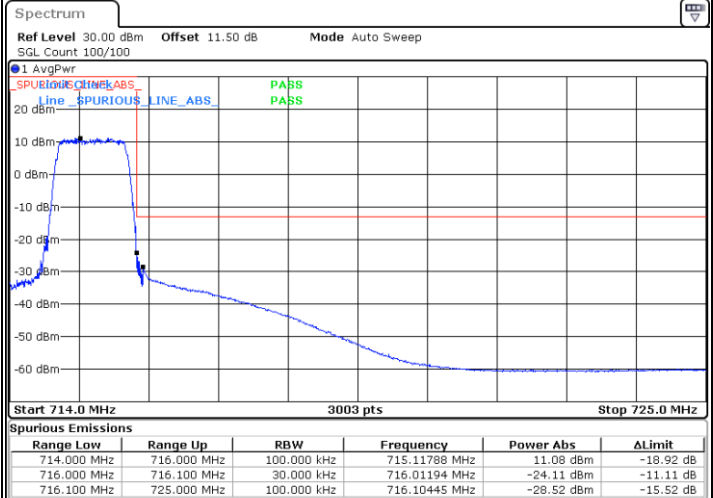
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



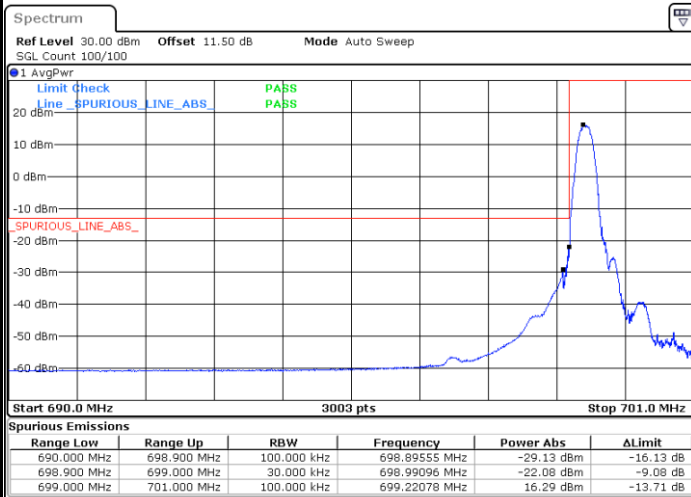
Highest Band Edge / Full RB



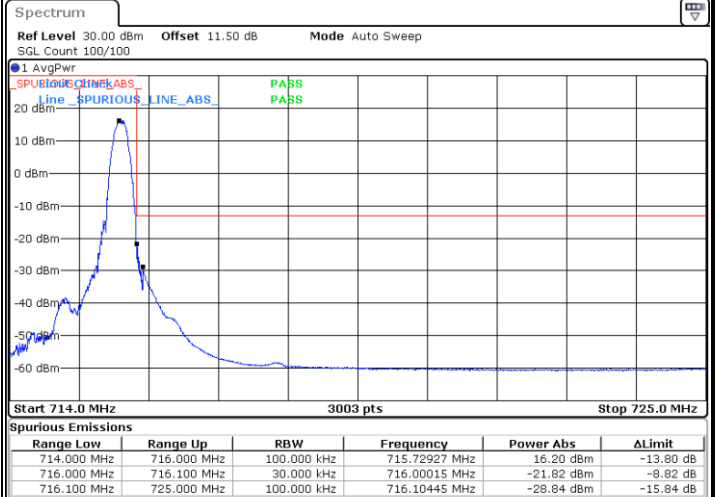


LTE Band 12 / 1.4MHz / 256QAM

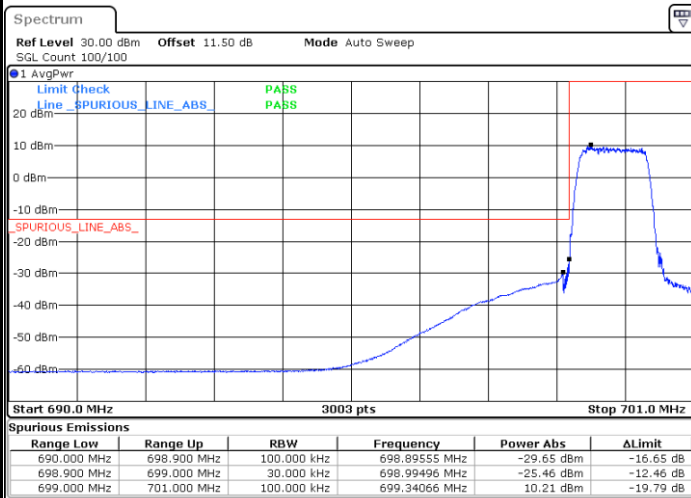
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



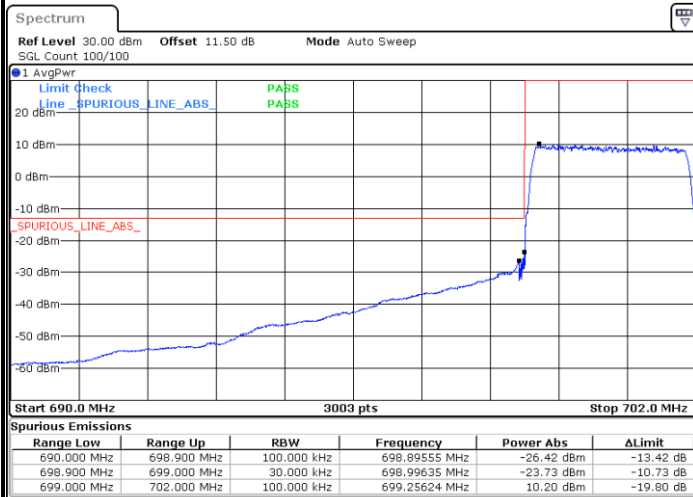
Highest Band Edge / Full RB





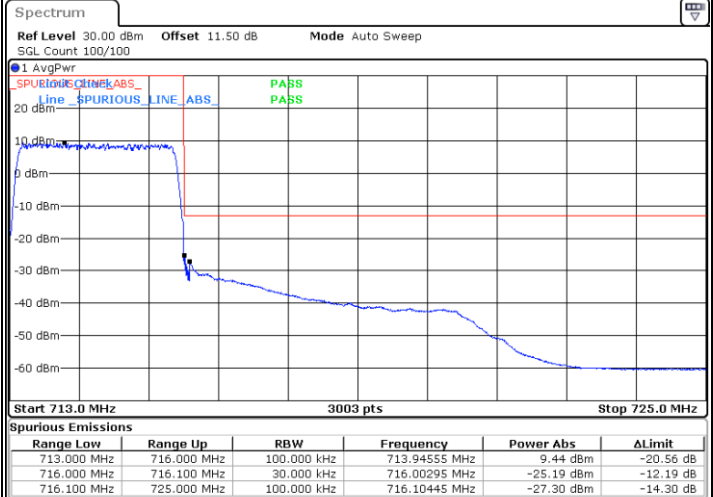
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / Full RB



Date: 20 JUN 2025 04:42:16

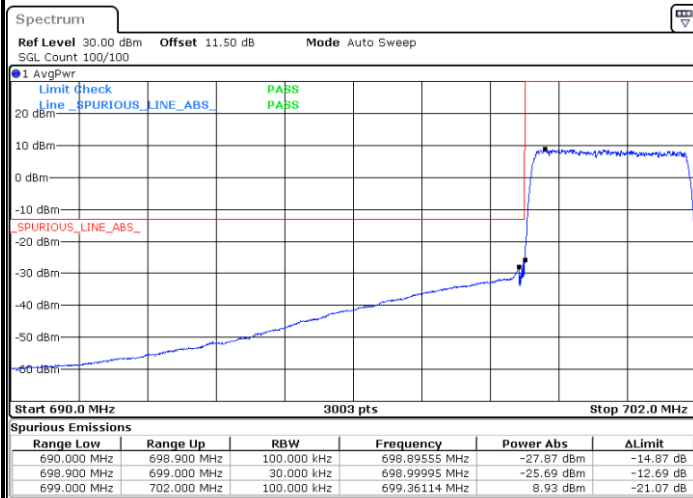
Highest Band Edge / Full RB



Date: 20 JUN 2025 04:48:11

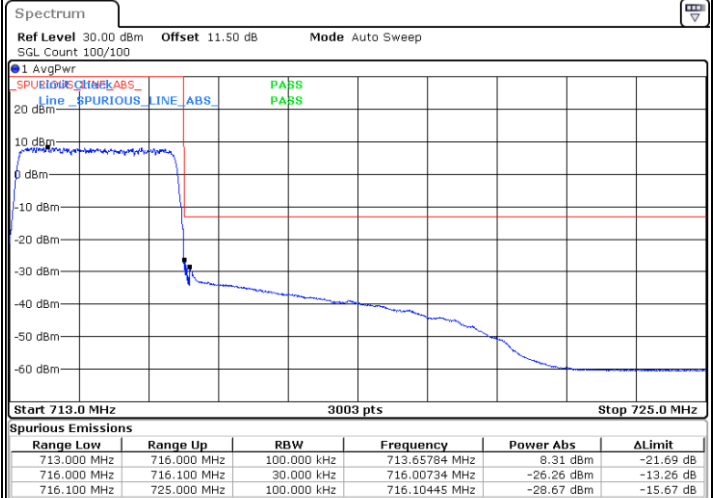
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Date: 20 JUN 2025 04:43:44

Highest Band Edge / Full RB

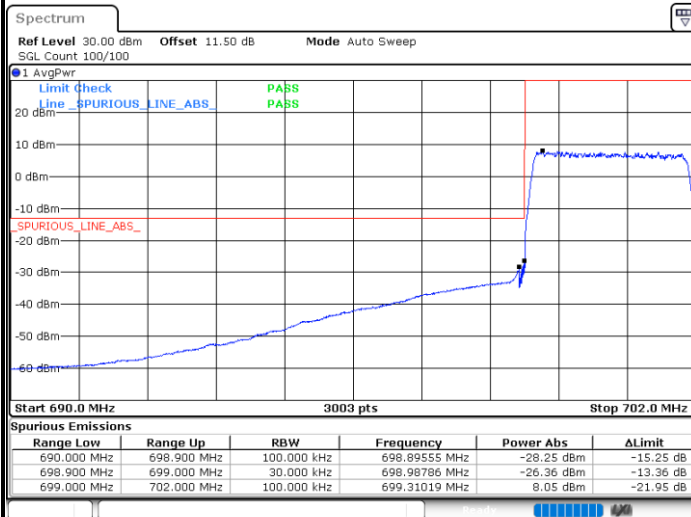


Date: 20 JUN 2025 04:49:39

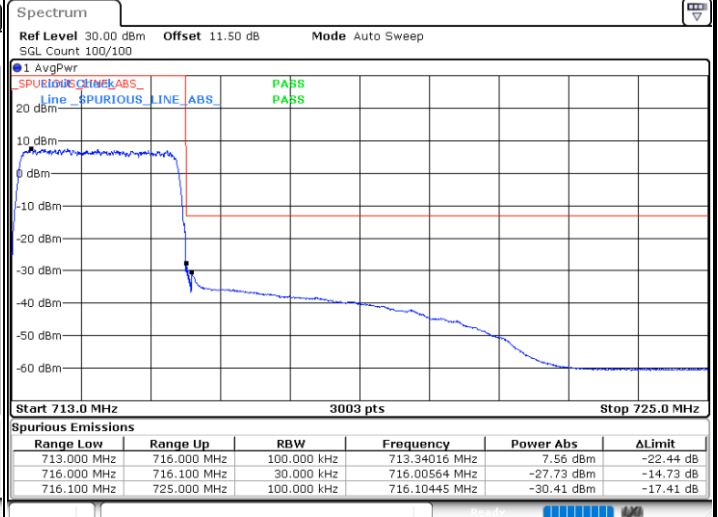


LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / Full RB

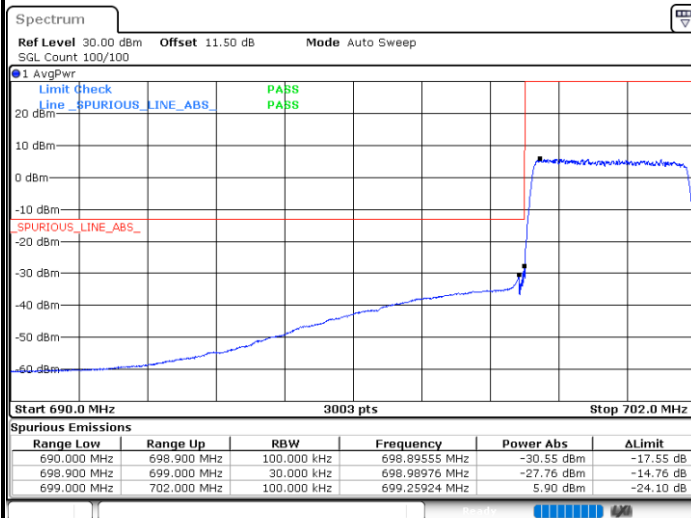


Highest Band Edge / Full RB

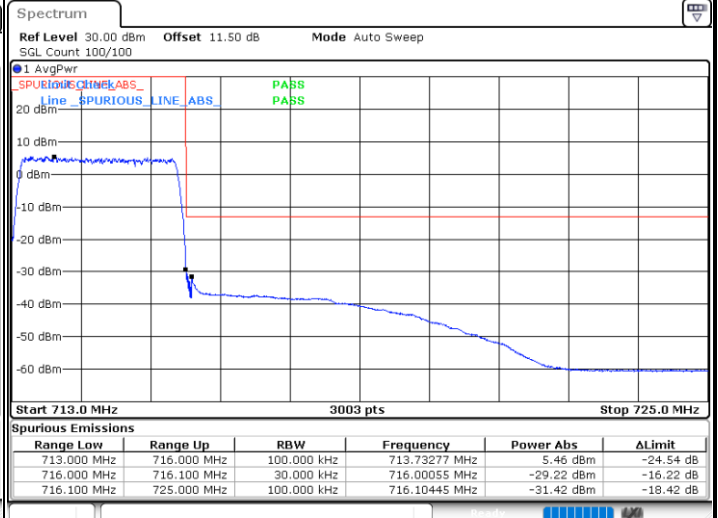


LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / Full RB



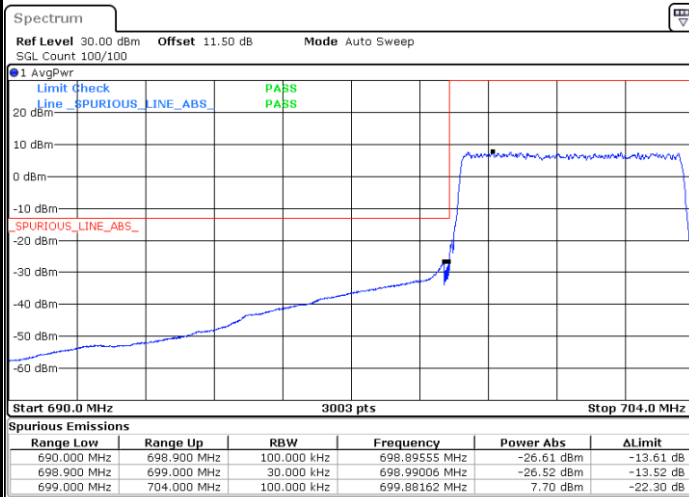
Highest Band Edge / Full RB



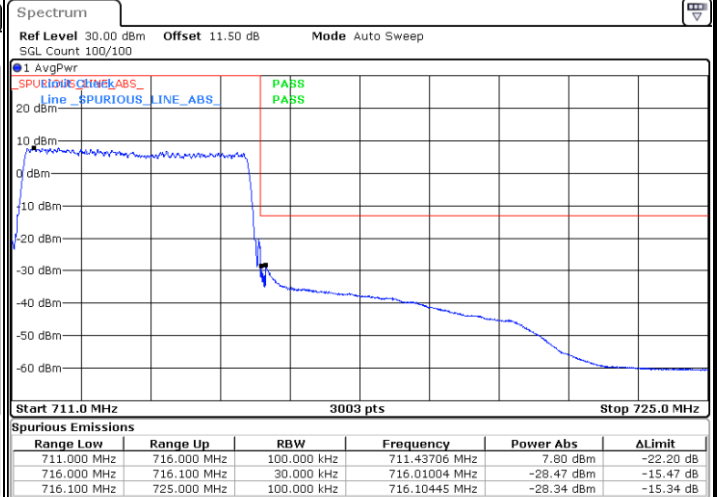


LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / Full RB

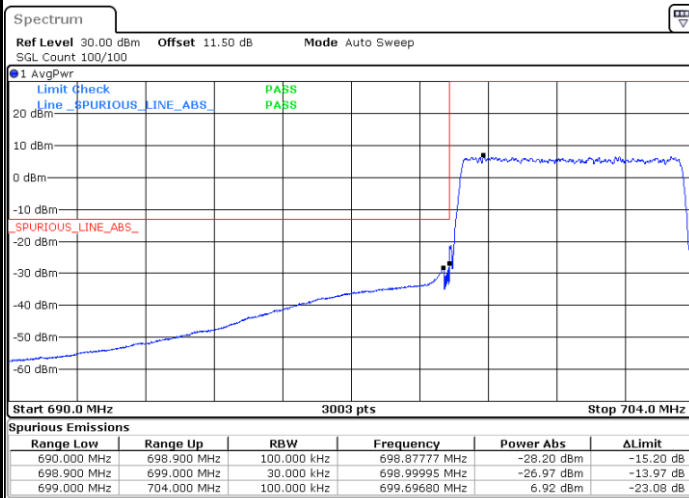


Highest Band Edge / Full RB

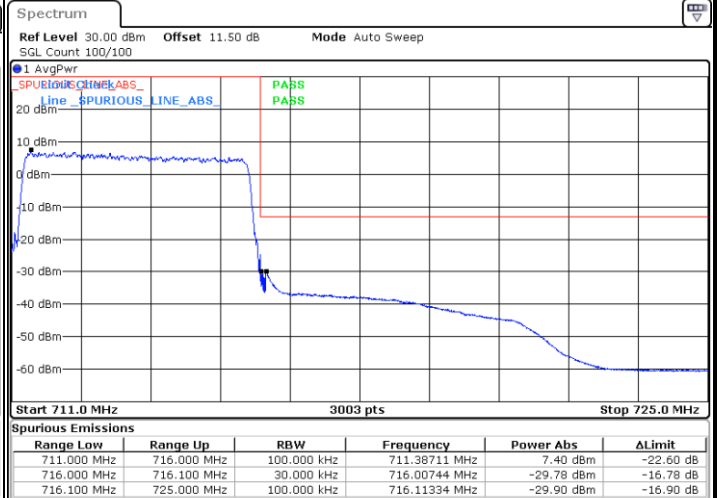


LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / Full RB



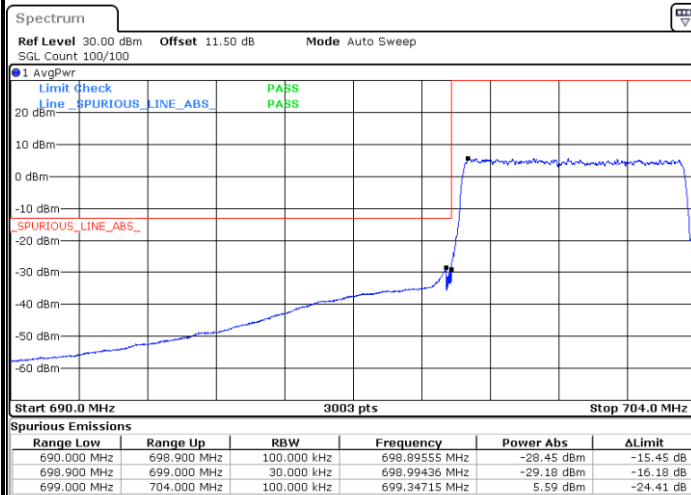
Highest Band Edge / Full RB



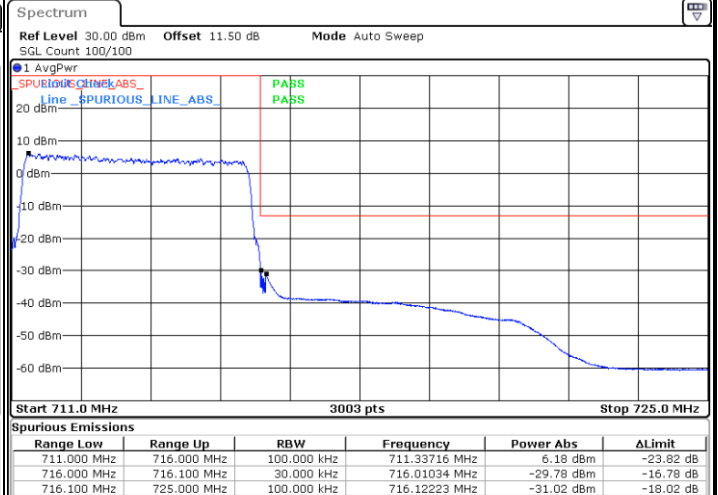


LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / Full RB

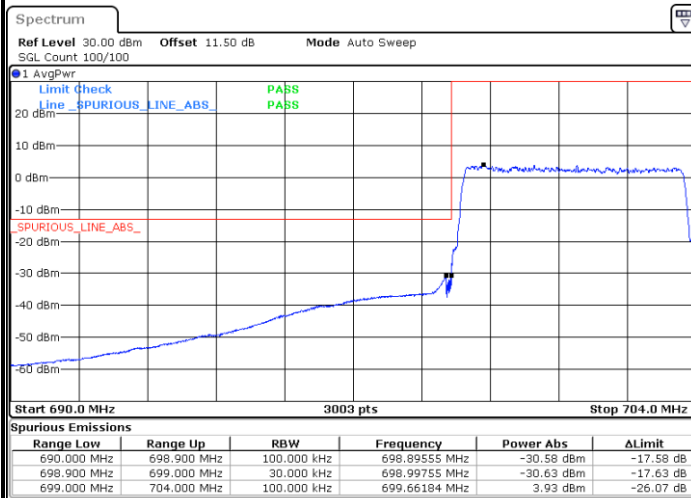


Highest Band Edge / Full RB

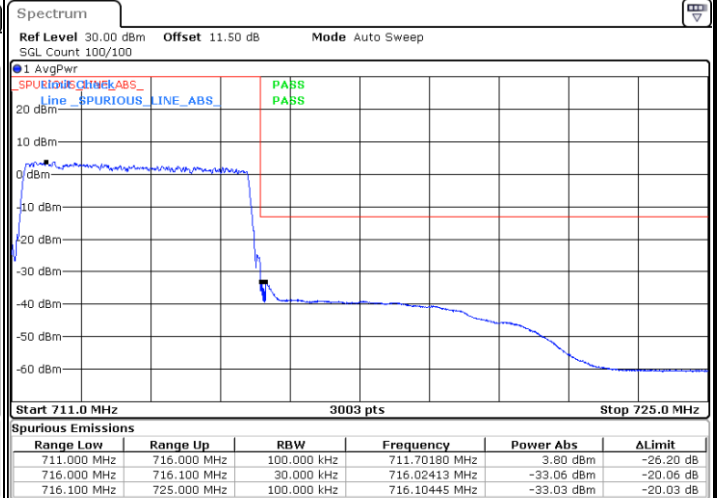


LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / Full RB



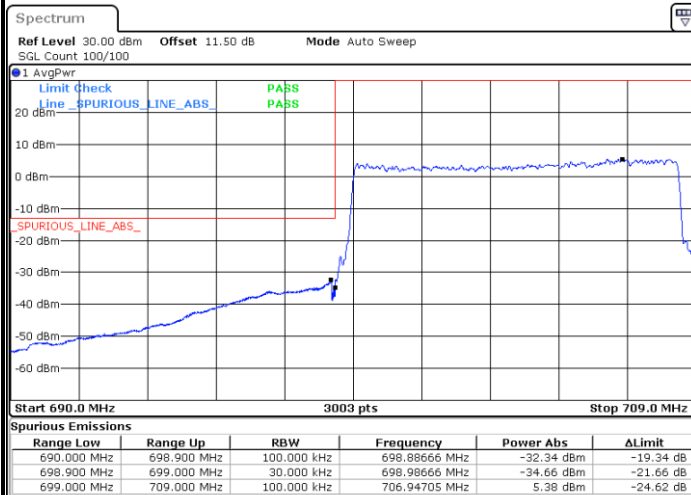
Highest Band Edge / Full RB



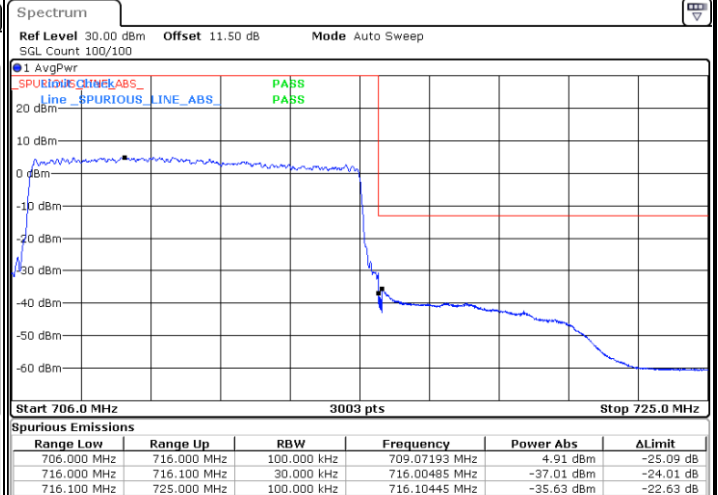


LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / Full RB

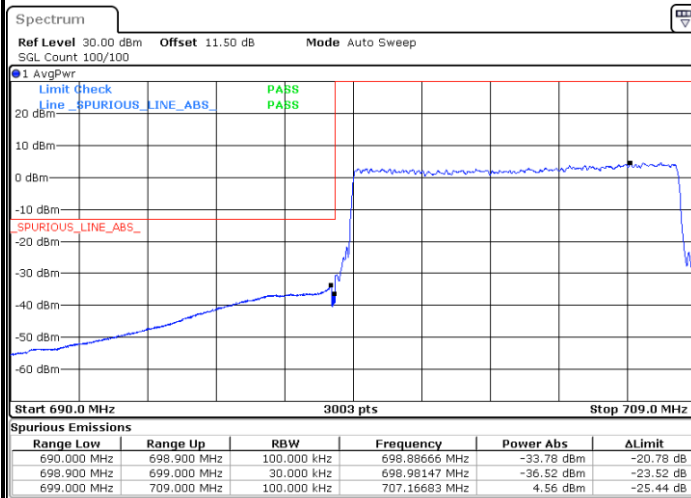


Highest Band Edge / Full RB

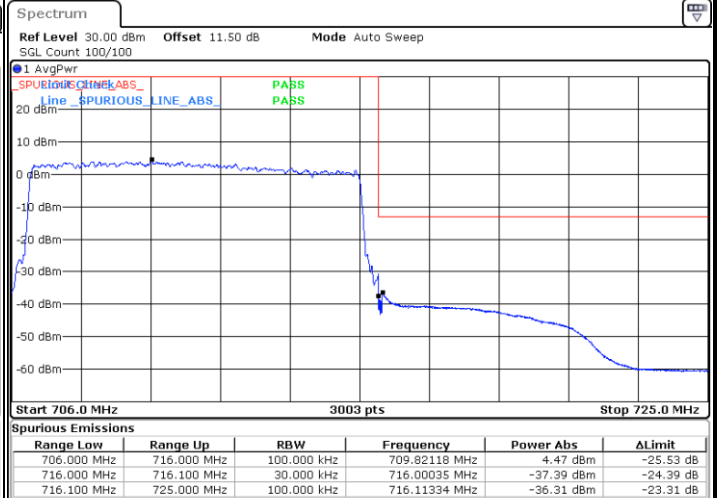


LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / Full RB



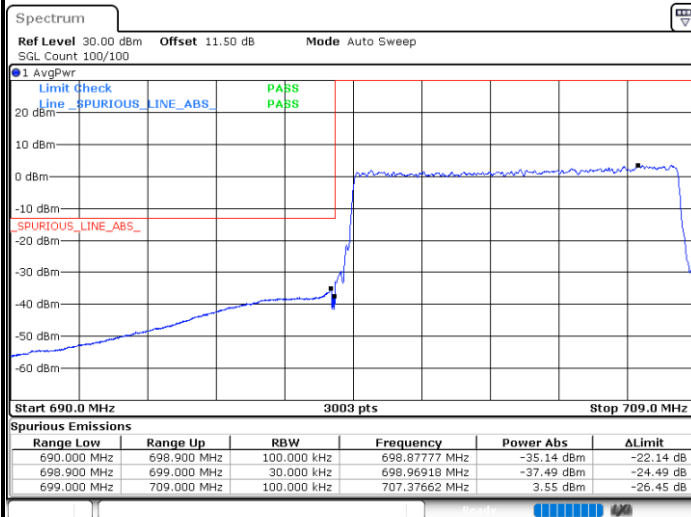
Highest Band Edge / Full RB



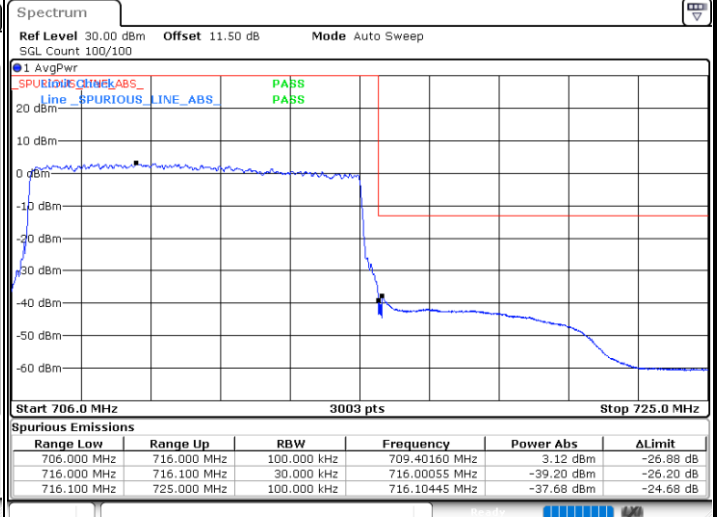


LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / Full RB

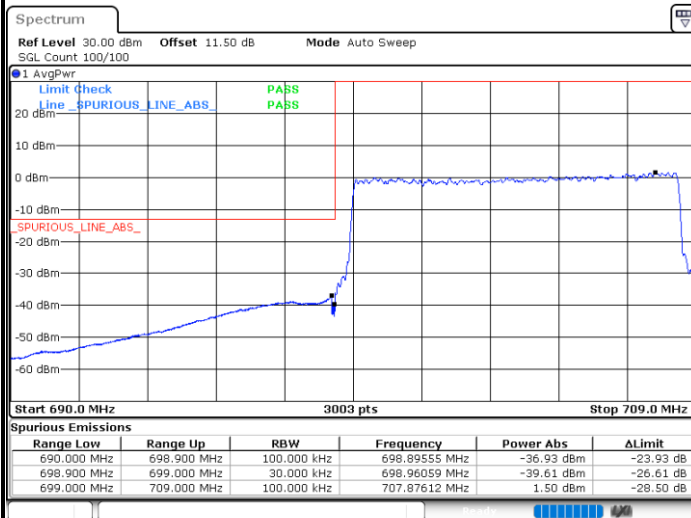


Highest Band Edge / Full RB

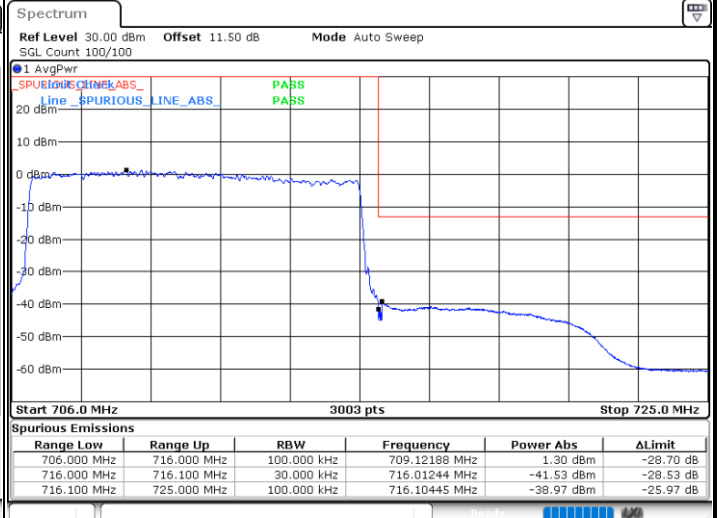


LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

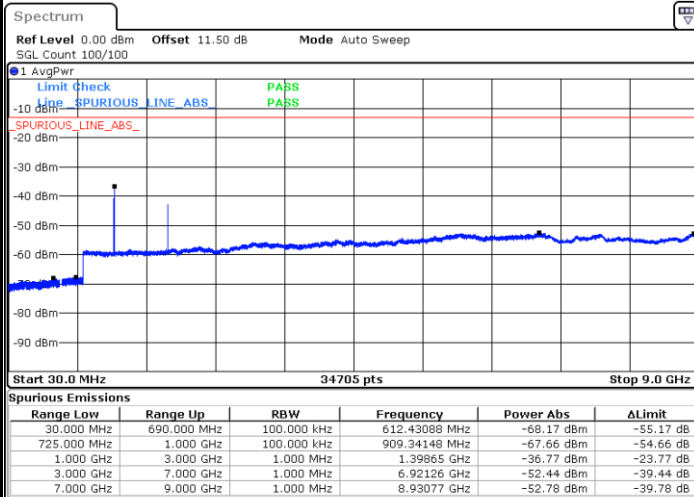




Conducted Spurious Emission

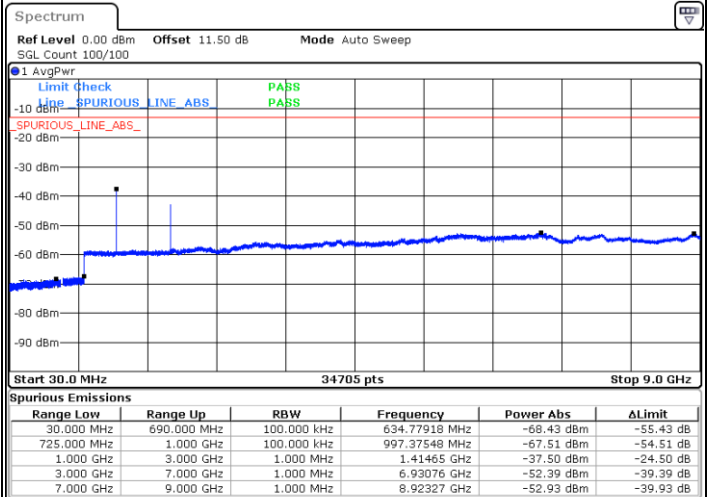
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



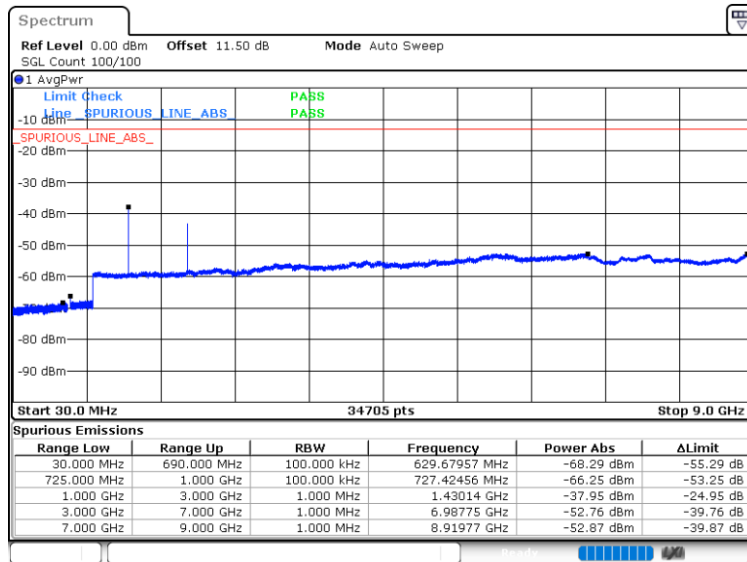
Date: 20.JUN.2025 05:33:31

Middle Channel / QPSK



Date: 20.JUN.2025 05:34:58

Highest Channel / QPSK

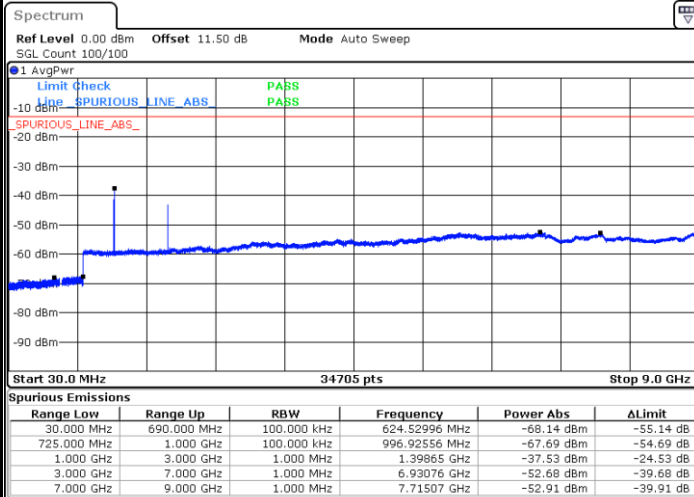


Date: 20.JUN.2025 05:36:26



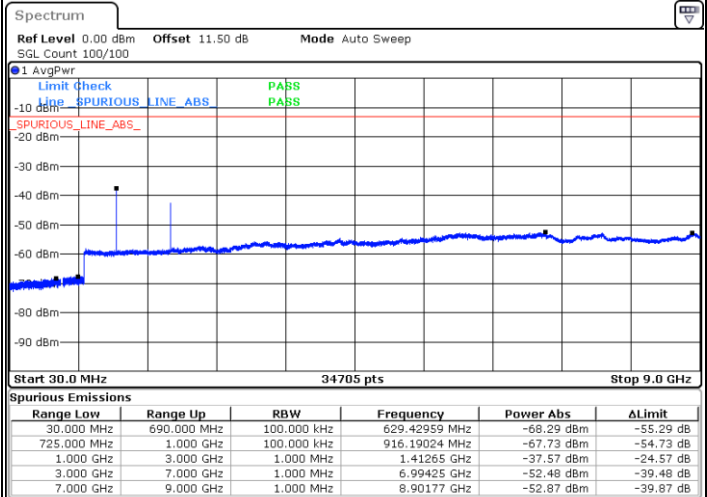
LTE Band 12 / 3MHz

Lowest Channel / QPSK



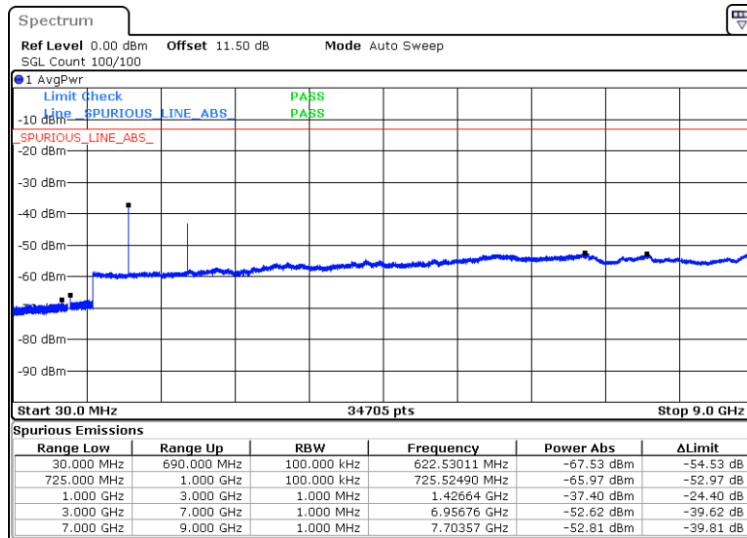
Date: 20.JUN.2025 05:37:59

Middle Channel / QPSK



Date: 20.JUN.2025 05:39:27

Highest Channel / QPSK

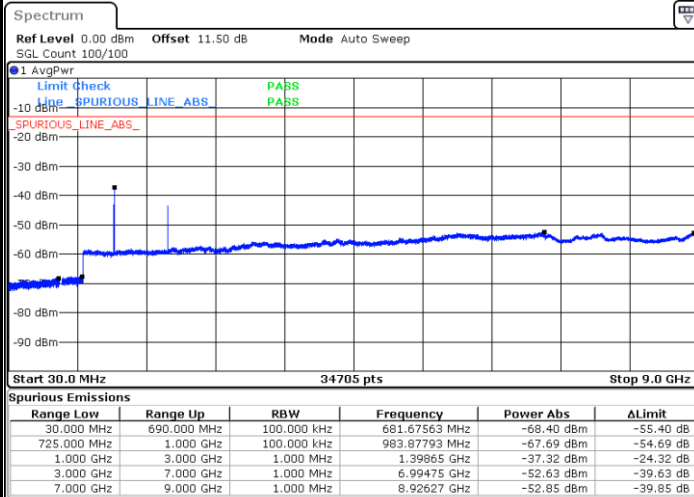


Date: 20.JUN.2025 05:40:55



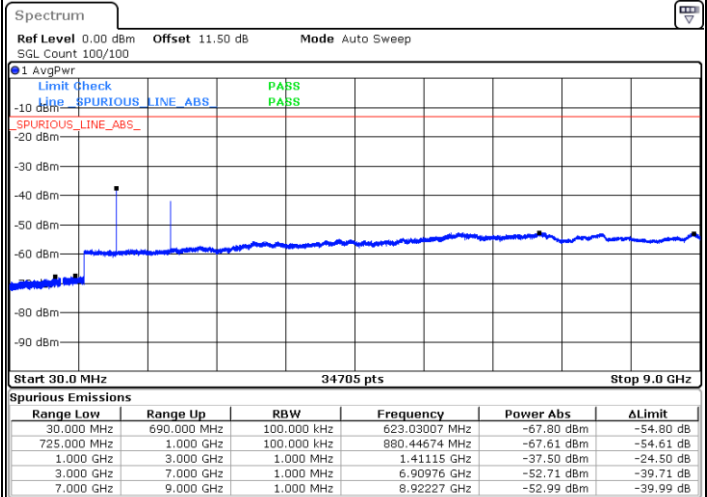
LTE Band 12 / 5MHz

Lowest Channel / QPSK



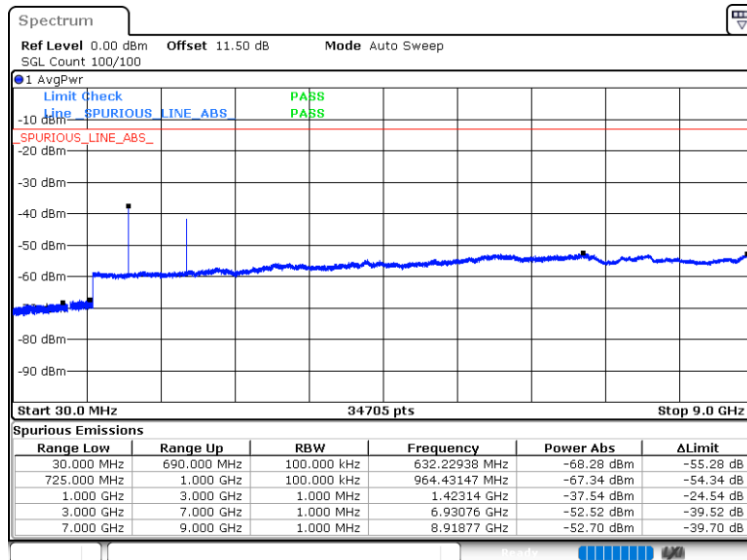
Date: 20.JUN.2025 05:42:28

Middle Channel / QPSK



Date: 20.JUN.2025 05:43:56

Highest Channel / QPSK

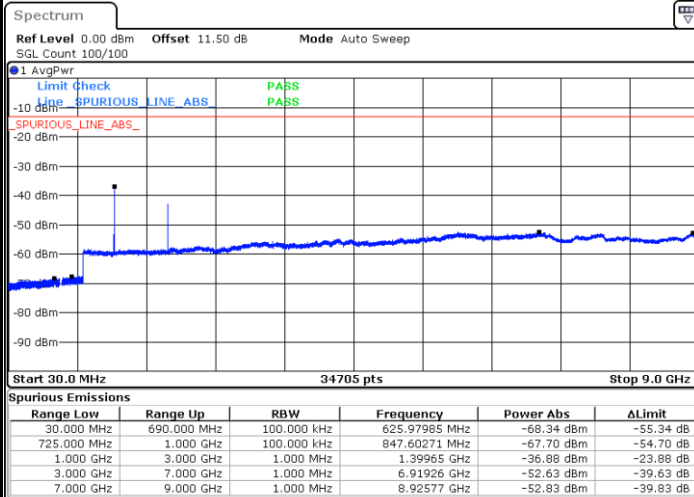


Date: 20.JUN.2025 05:45:23



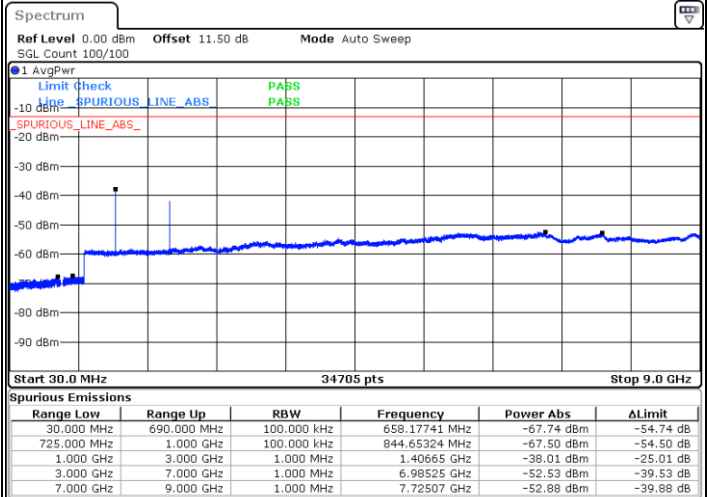
LTE Band 12 / 10MHz

Lowest Channel / QPSK



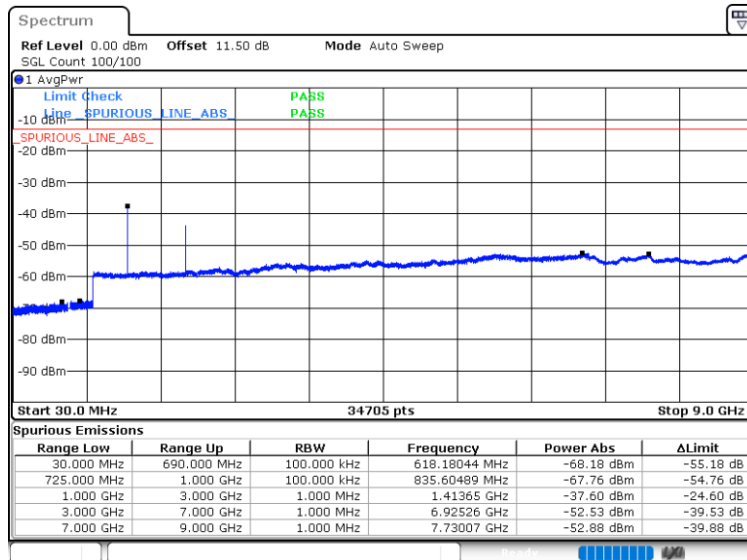
Date: 20.JUN.2025 05:46:57

Middle Channel / QPSK



Date: 20.JUN.2025 05:48:24

Highest Channel / QPSK



Date: 20.JUN.2025 05:49:52

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0219	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0228	
0	Normal Voltage	0.0065	
-10	Normal Voltage	0.0093	
-20	Normal Voltage	0.0191	
-30	Normal Voltage	0.0055	
20	Maximum Voltage	0.0130	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0225	

Note:

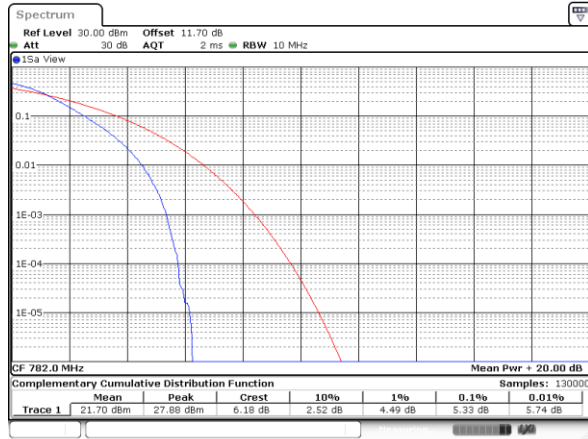
1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



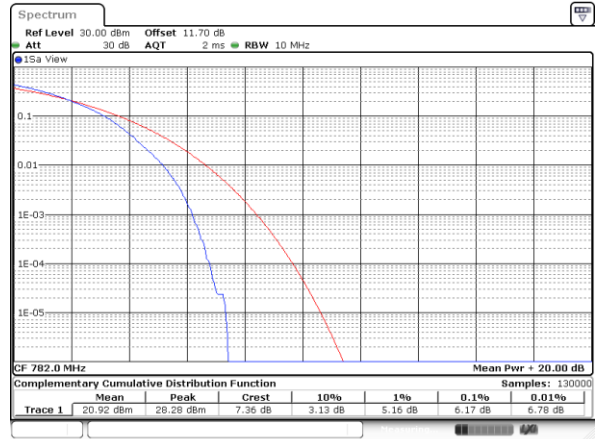
LTE Band 13

Peak-to-Average Ratio

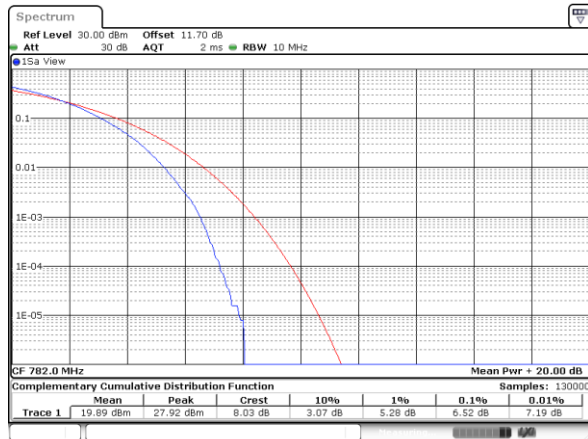
Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.33	6.17	6.52	6.55	PASS

LTE Band 13 / 10MHz / QPSK
Middle Channel / Full RB


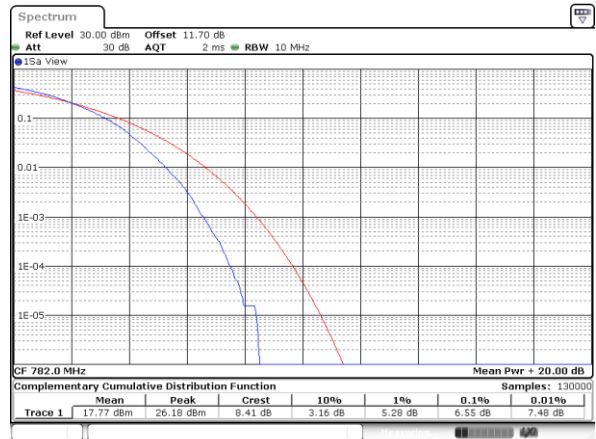
Date: 20.JUN.2025 06:29:47

LTE Band 13 / 10MHz / 16QAM
Middle Channel / Full RB


Date: 20.JUN.2025 06:10:16

LTE Band 13 / 10MHz / 64QAM
Middle Channel / Full RB


Date: 20.JUN.2025 06:30:46

LTE Band 13 / 10MHz / 256QAM
Middle Channel / Full RB


Date: 20.JUN.2025 06:31:15

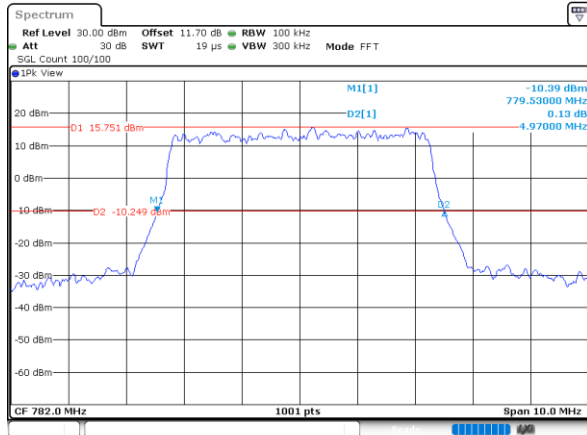
**26dB Bandwidth**

Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.97	5.10	9.84	9.88	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	5.02	5.01	9.94	9.92	-	-	-	-



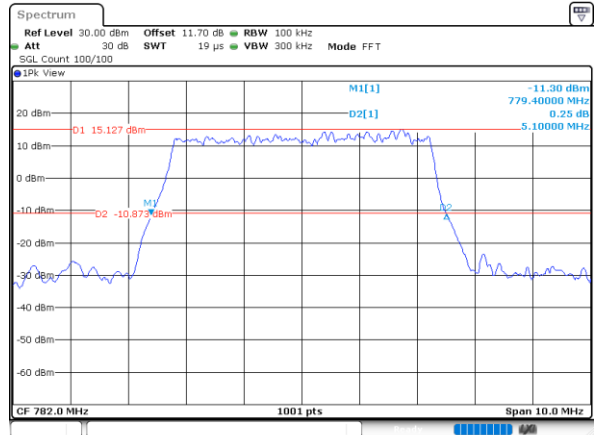
LTE Band 13

Middle Channel / 5MHz / QPSK



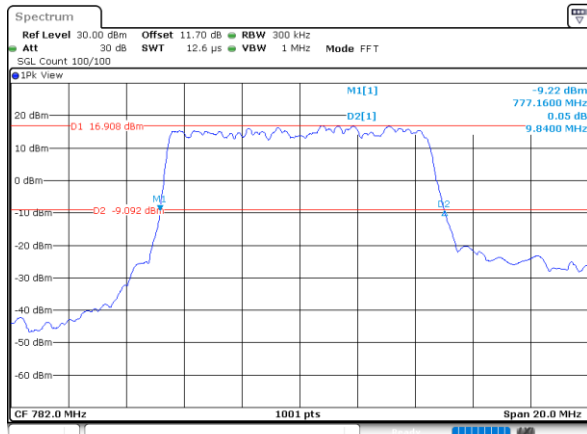
Date: 20 JUN 2025 06:25:57

Middle Channel / 5MHz / 16QAM



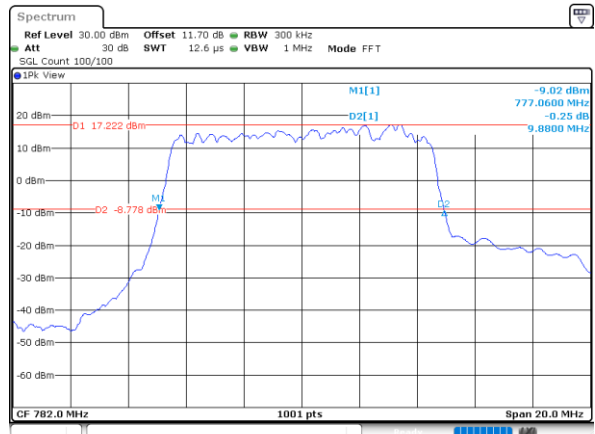
Date: 20 JUN 2025 06:26:25

Middle Channel / 10MHz / QPSK



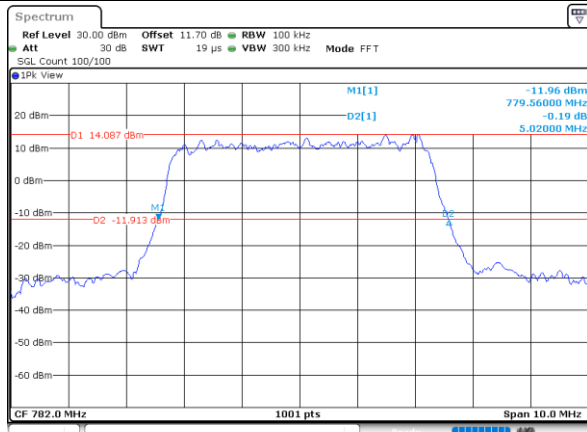
Date: 20 JUN 2025 06:27:55

Middle Channel / 10MHz / 16QAM



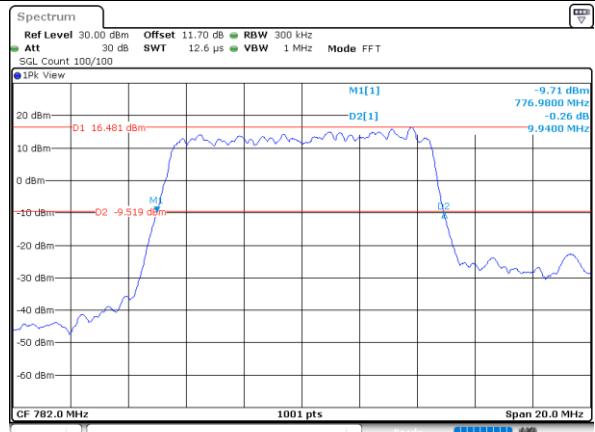
Date: 20 JUN 2025 06:28:23

Middle Channel / 5MHz / 64QAM



Date: 20 JUN 2025 06:26:53

Middle Channel / 10MHz / 64QAM

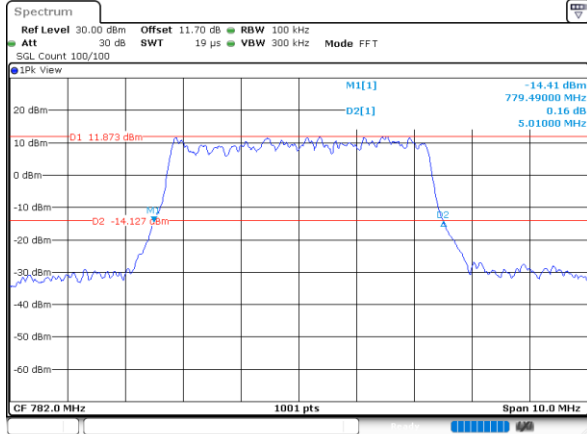


Date: 20 JUN 2025 06:28:51

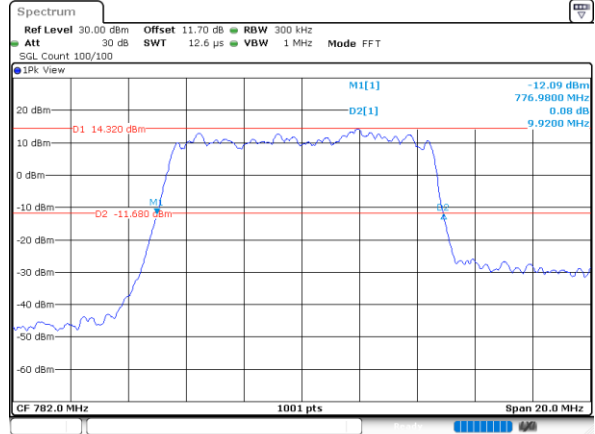


LTE Band 13

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



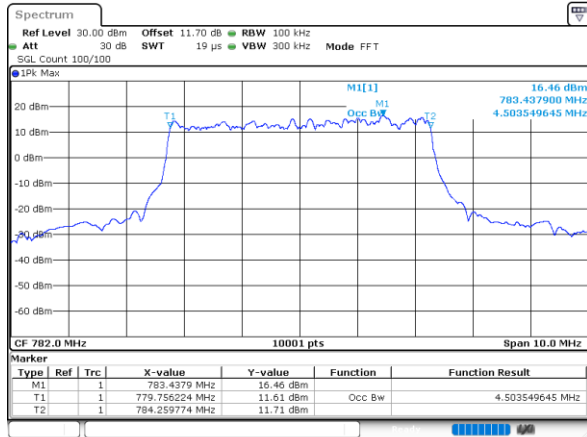
**Occupied Bandwidth**

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.50	4.48	9.05	9.03	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.46	4.49	8.97	9.01	-	-	-	-

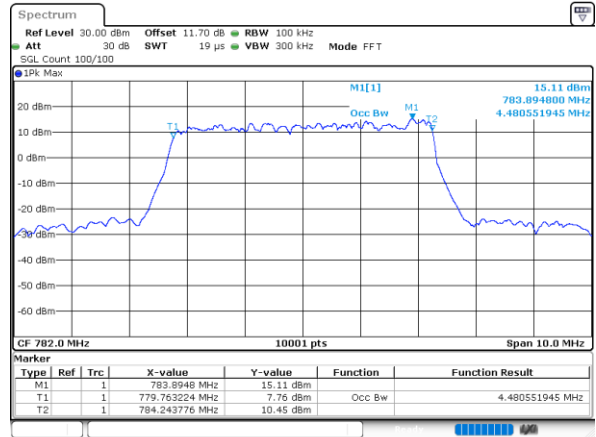


LTE Band 13

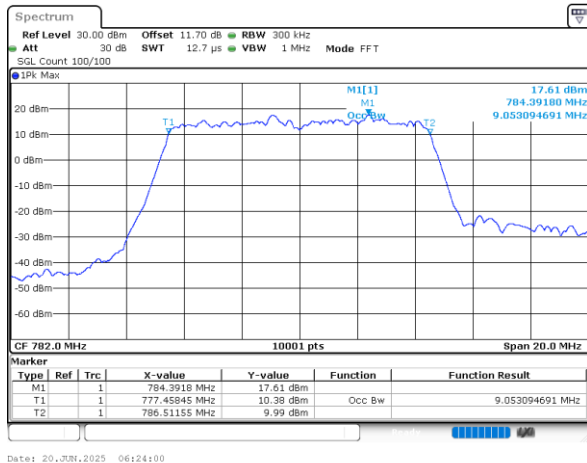
Middle Channel / 5MHz / QPSK



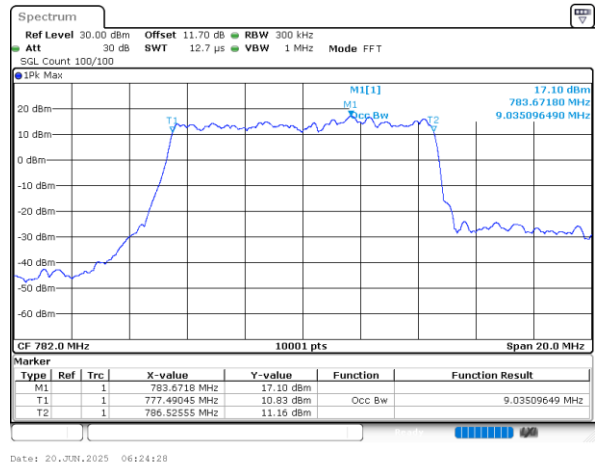
Middle Channel / 5MHz / 16QAM



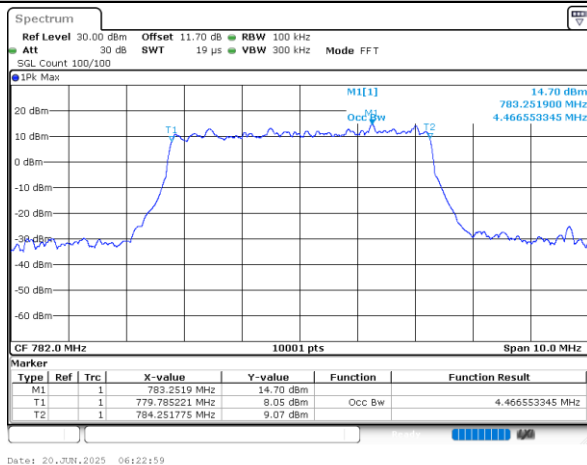
Middle Channel / 10MHz / QPSK



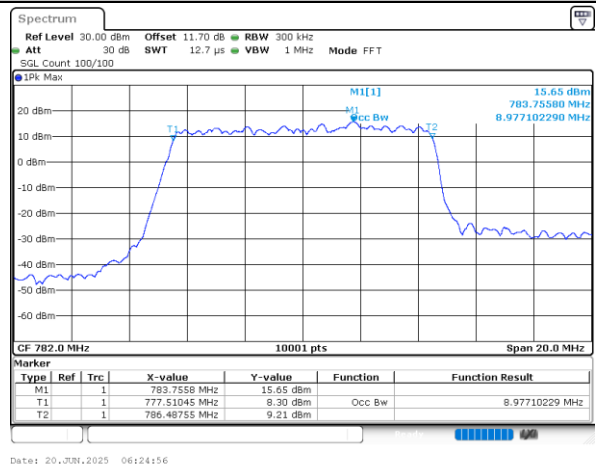
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



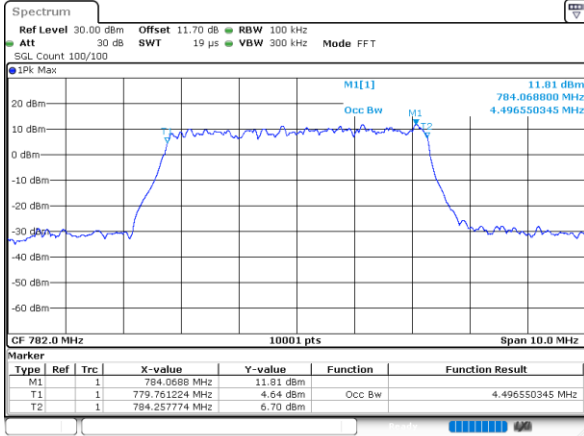
Middle Channel / 10MHz / 64QAM



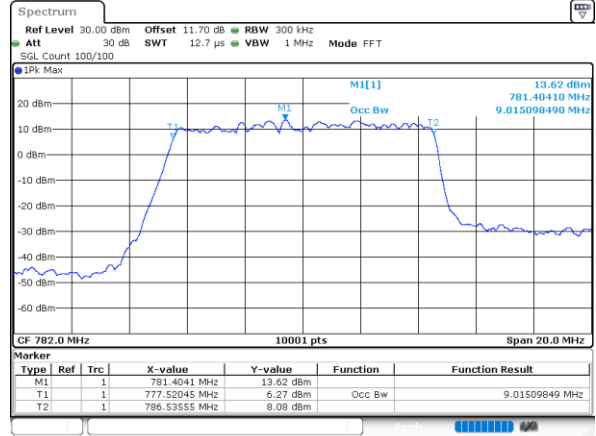


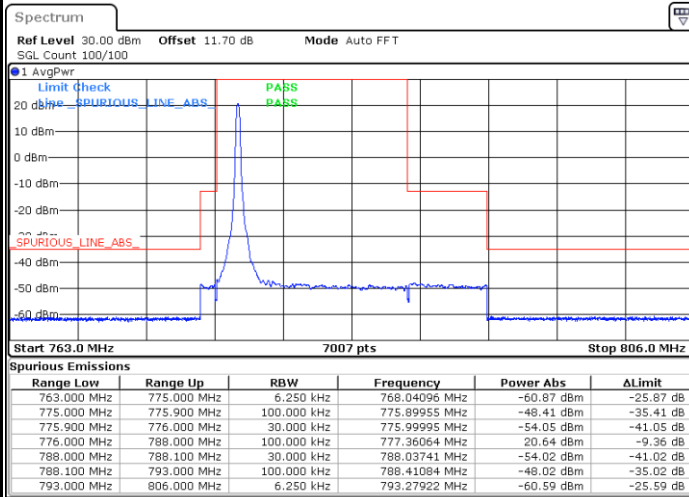
LTE Band 13

Middle Channel / 5MHz / 256QAM

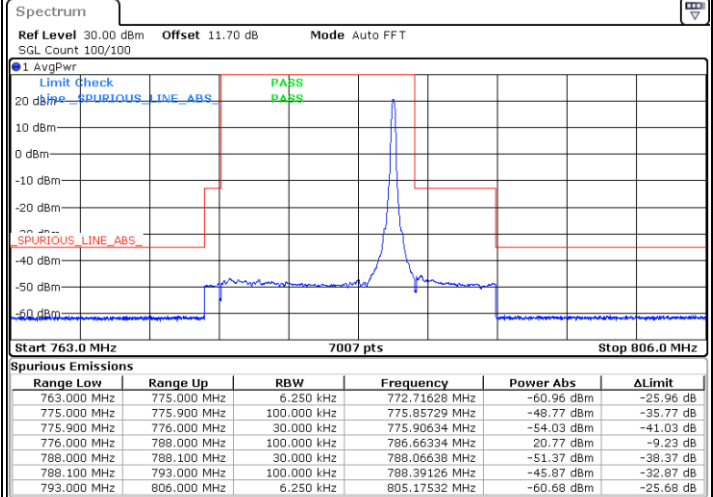


Middle Channel / 10MHz / 256QAM

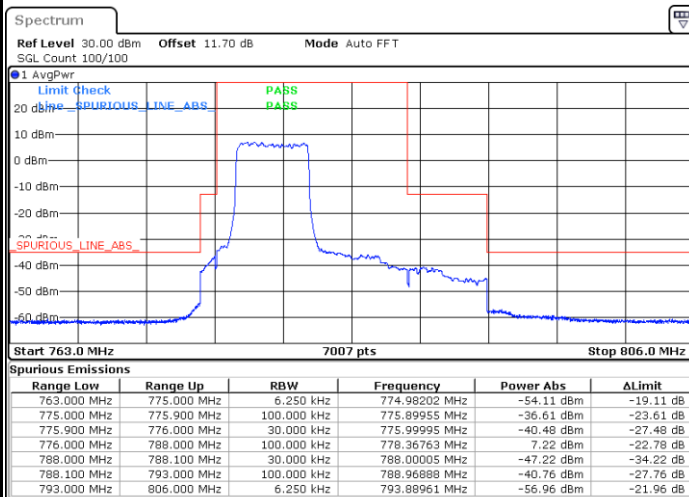


**Conducted Band Edge****LTE Band 13 / 5MHz / QPSK****Lowest Band Edge / 1 RB**

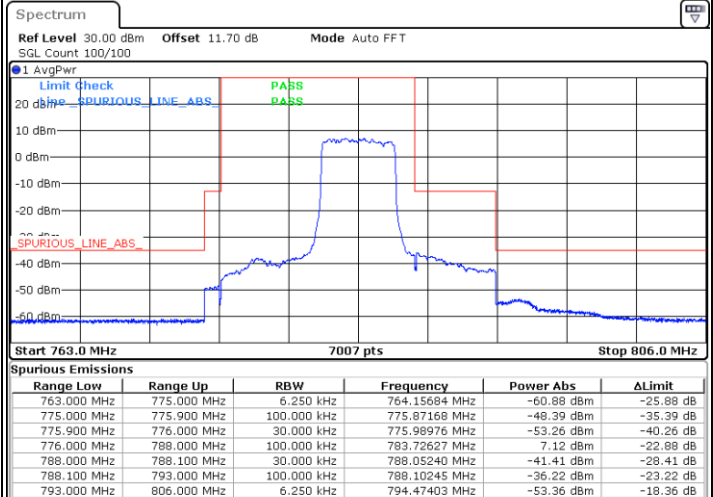
Date: 20.JUN.2025 05:59:18

Highest Band Edge / 1 RB

Date: 20.JUN.2025 06:11:09

Lowest Band Edge / Full RB

Date: 20.JUN.2025 05:53:23

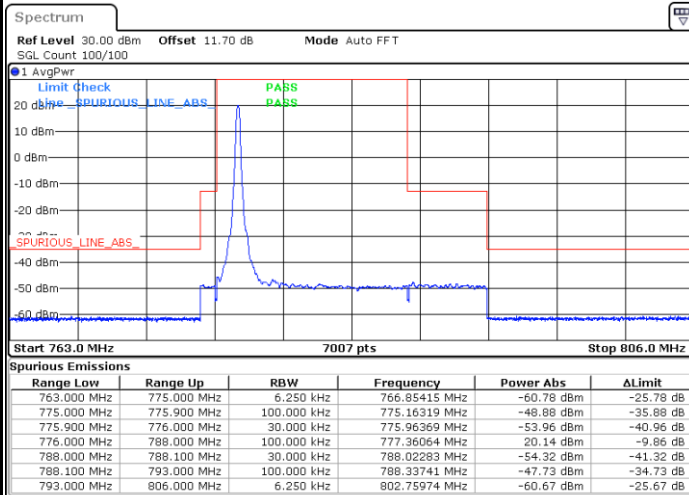
Highest Band Edge / Full RB

Date: 20.JUN.2025 06:05:13



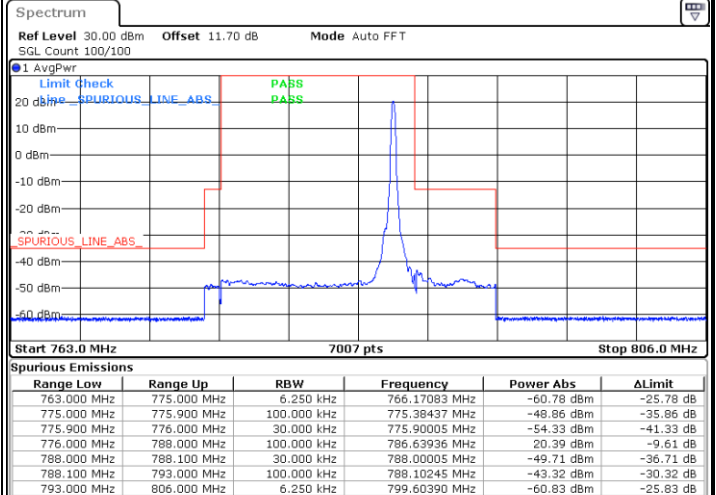
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



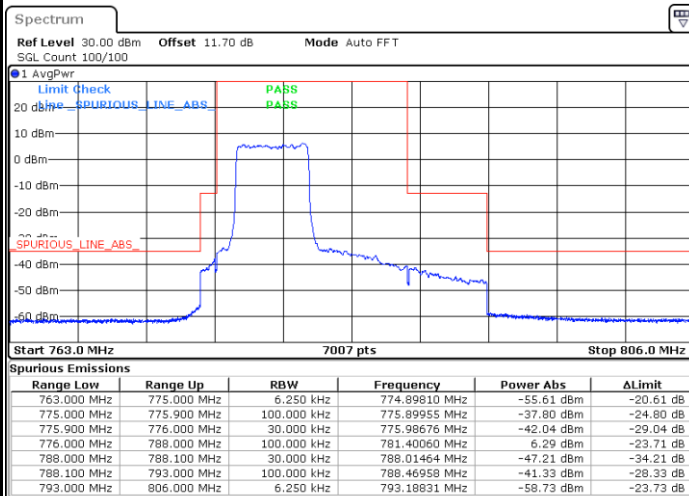
Date: 20.JUN.2025 06:00:46

Highest Band Edge / 1 RB



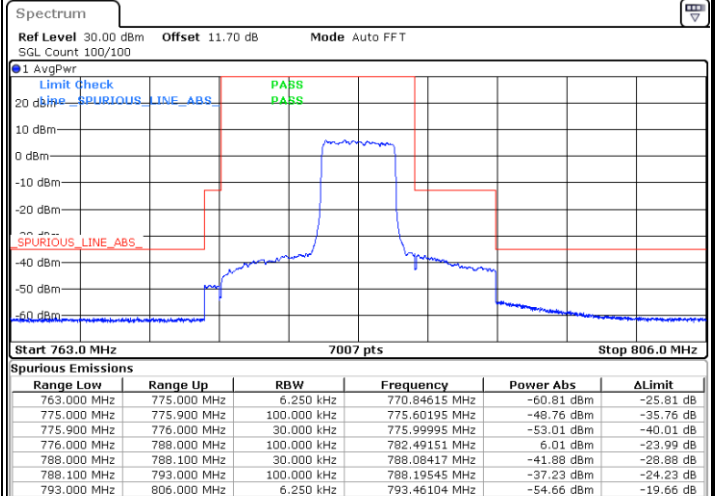
Date: 20.JUN.2025 06:12:37

Lowest Band Edge / Full RB



Date: 20.JUN.2025 05:54:51

Highest Band Edge / Full RB



Date: 20.JUN.2025 06:06:41