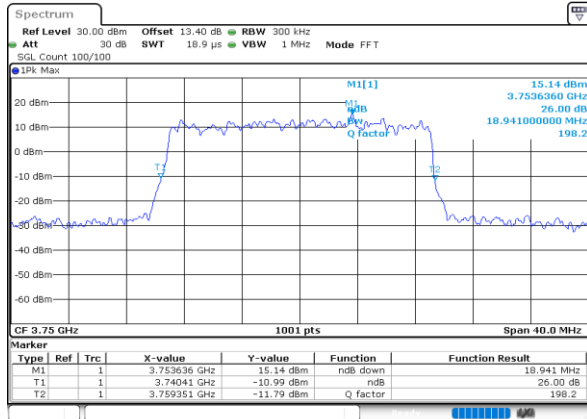


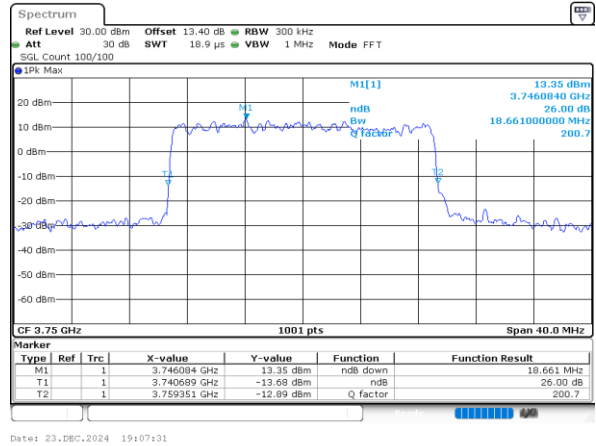


LTE Band 43

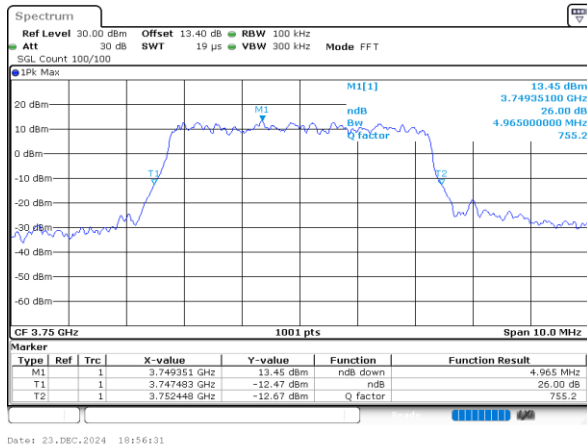
Middle Channel / 20MHz / QPSK



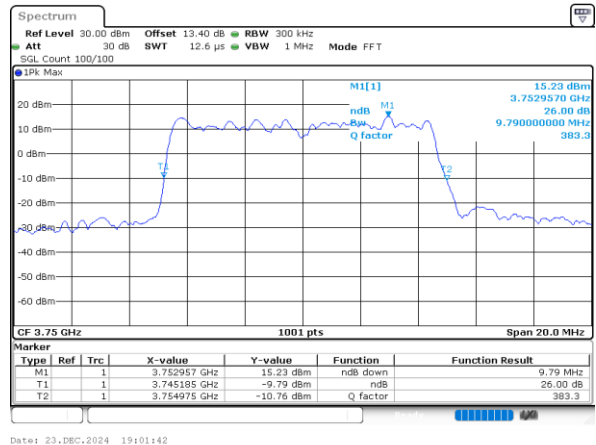
Middle Channel / 20MHz / 16QAM



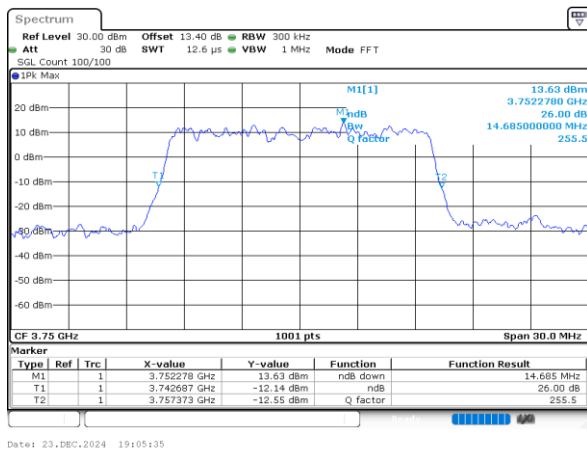
Middle Channel / 5MHz / 64QAM



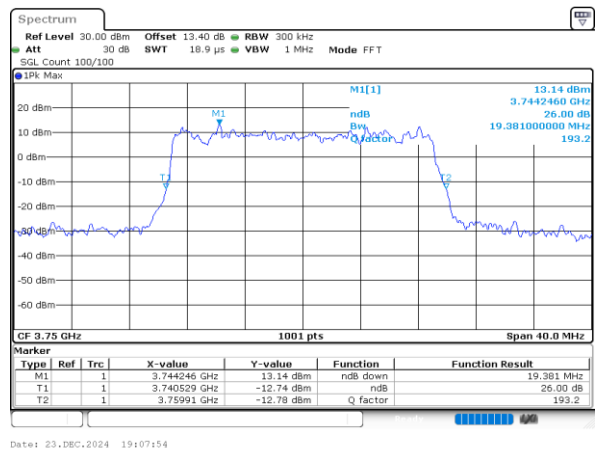
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



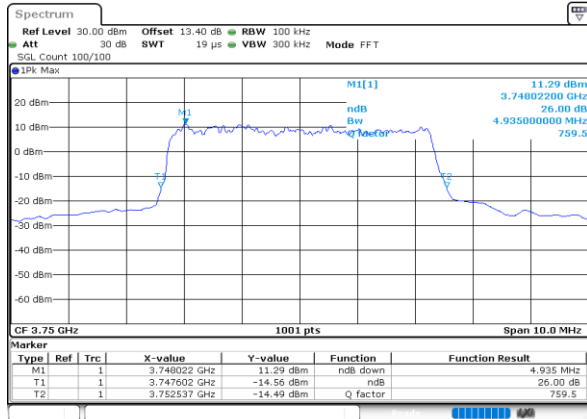
Middle Channel / 20MHz / 64QAM



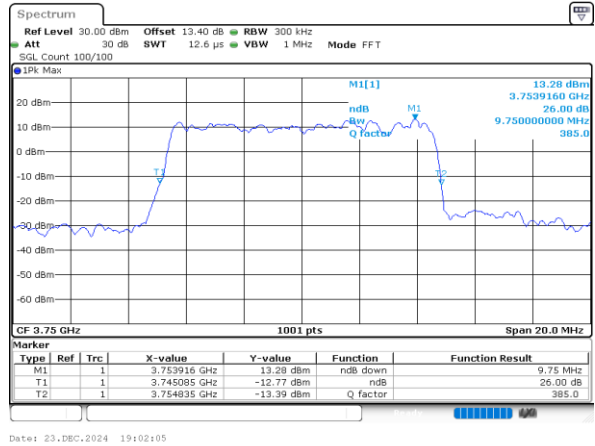


LTE Band 43

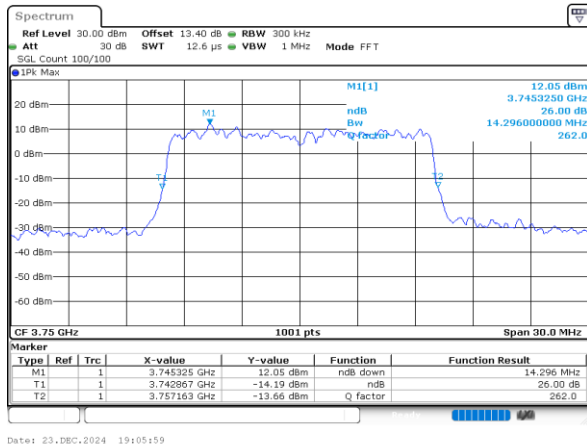
Middle Channel / 5MHz / 256QAM



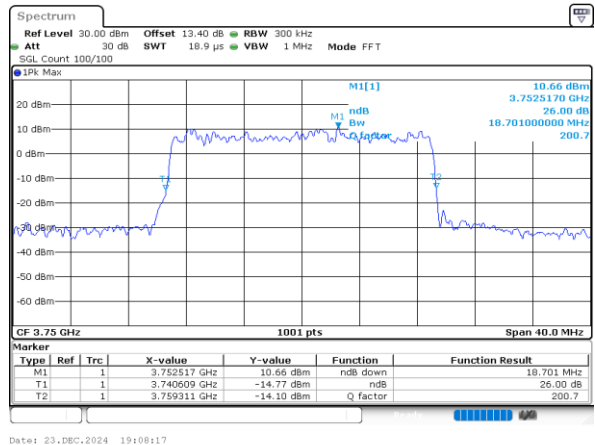
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM



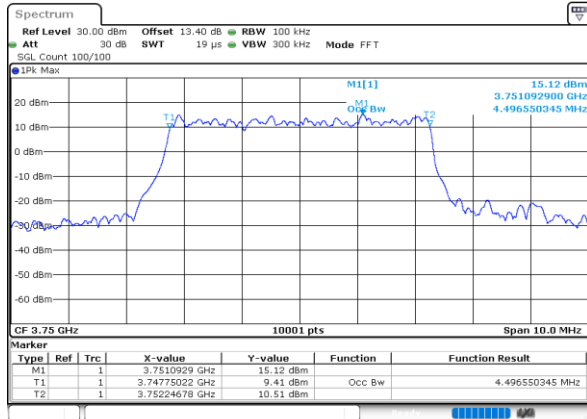
**Occupied Bandwidth**

Mode	LTE Band 43 : 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	-	-	-	-	4.49	4.47	9.08	9.05	13.36	13.37	17.99	17.98
Mode	LTE Band 43 : 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	4.50	9.11	9.10	13.47	13.51	17.97	17.92

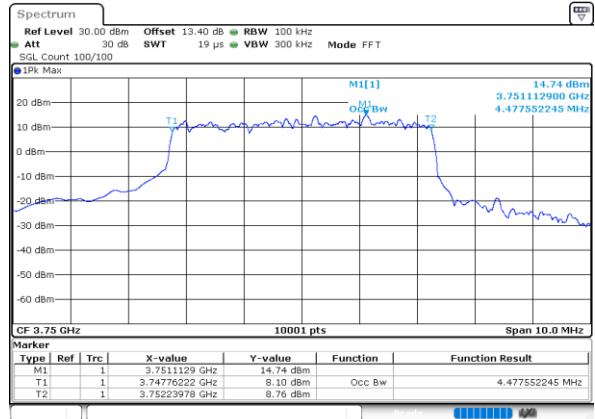


LTE Band 43

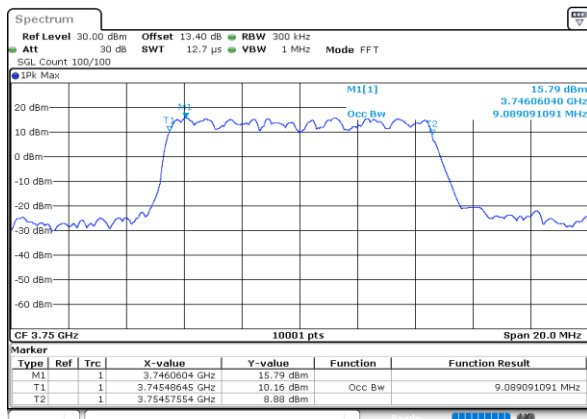
Middle Channel / 5MHz / QPSK



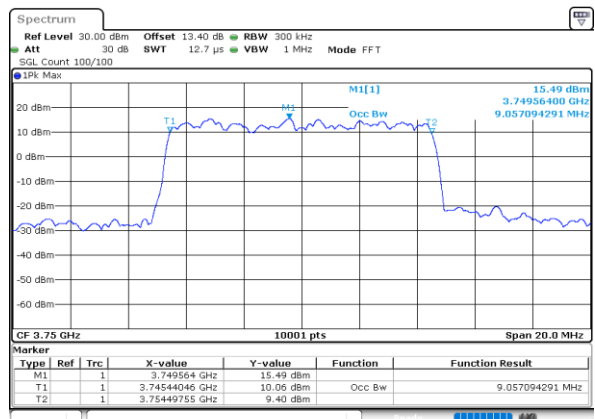
Middle Channel / 5MHz / 16QAM



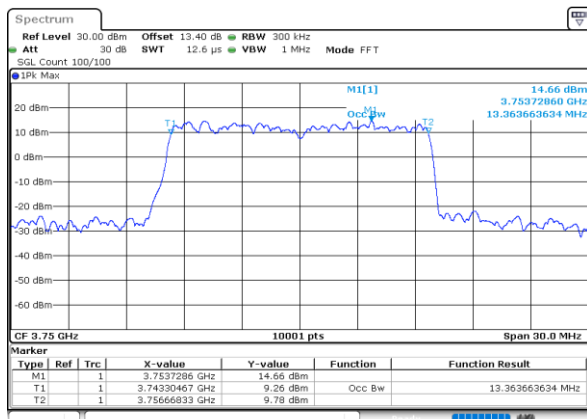
Middle Channel / 10MHz / QPSK



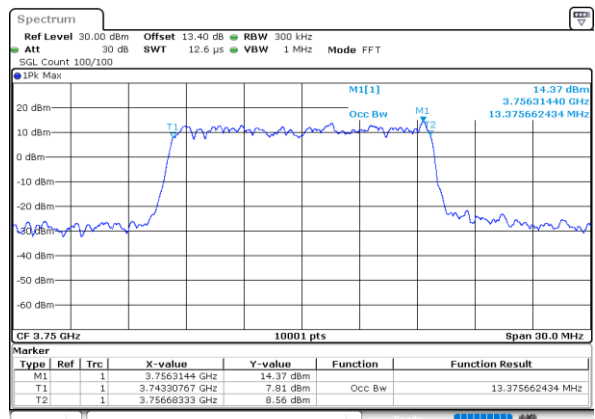
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



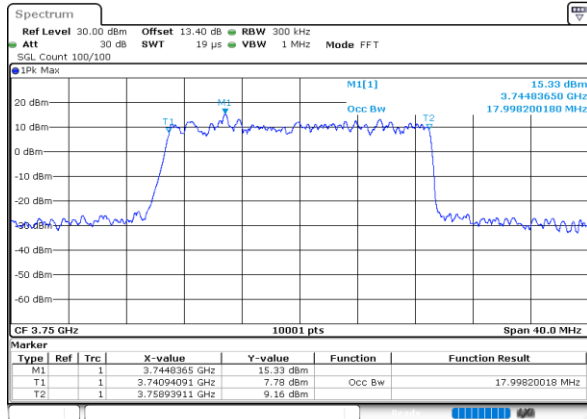
Middle Channel / 15MHz / 16QAM



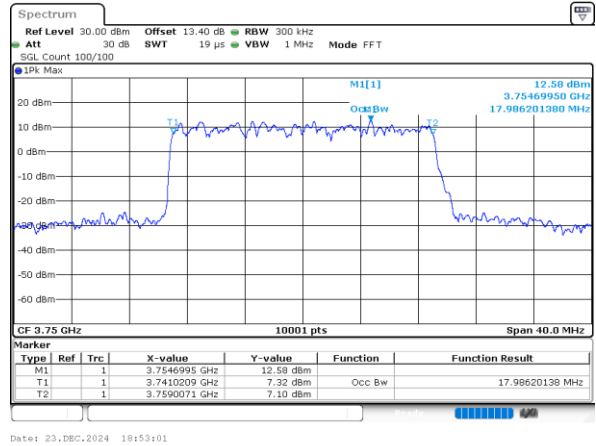


LTE Band 43

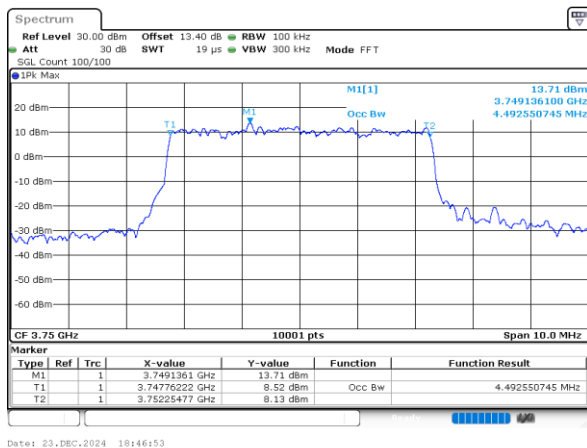
Middle Channel / 20MHz / QPSK



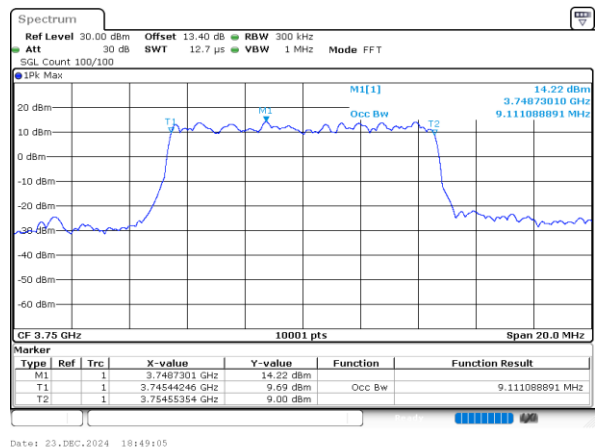
Middle Channel / 20MHz / 16QAM



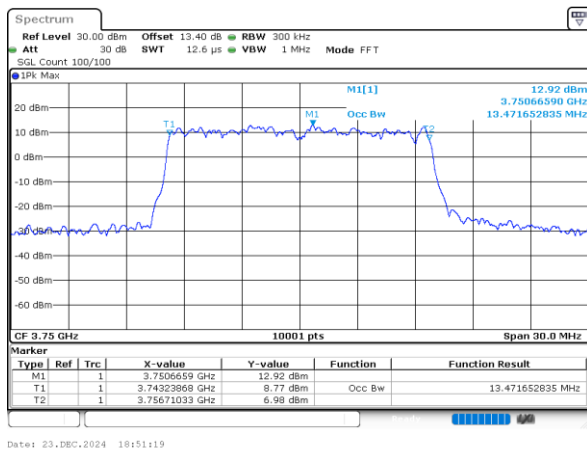
Middle Channel / 5MHz / 64QAM



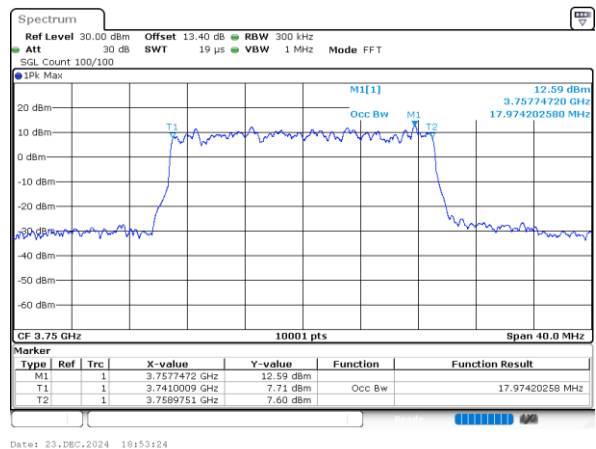
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



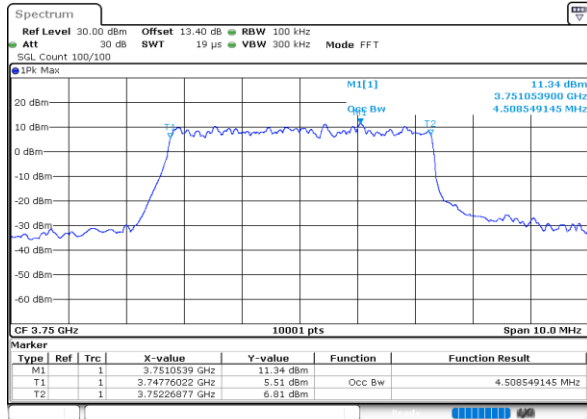
Middle Channel / 20MHz / 64QAM



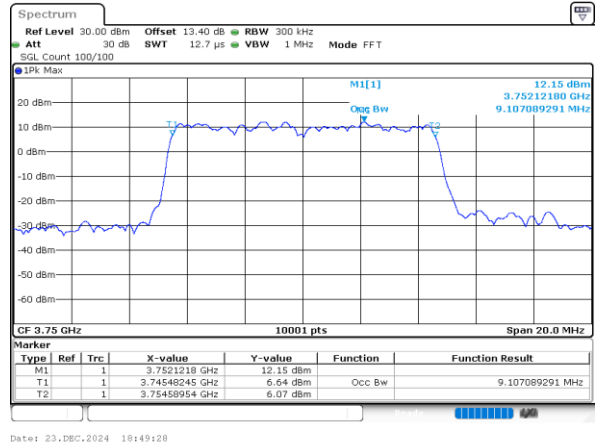


LTE Band 43

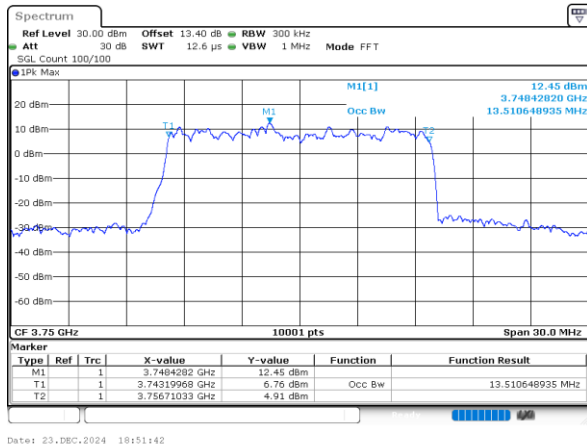
Middle Channel / 5MHz / 256QAM



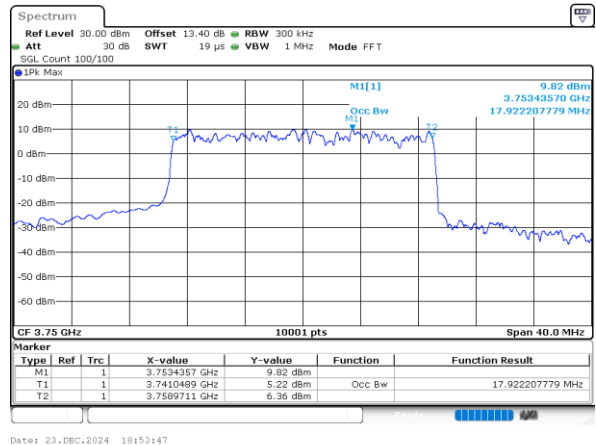
Middle Channel / 10MHz / 256QAM

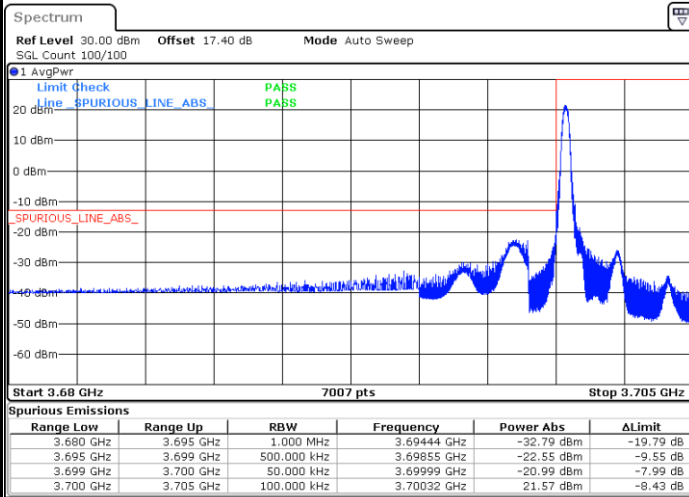
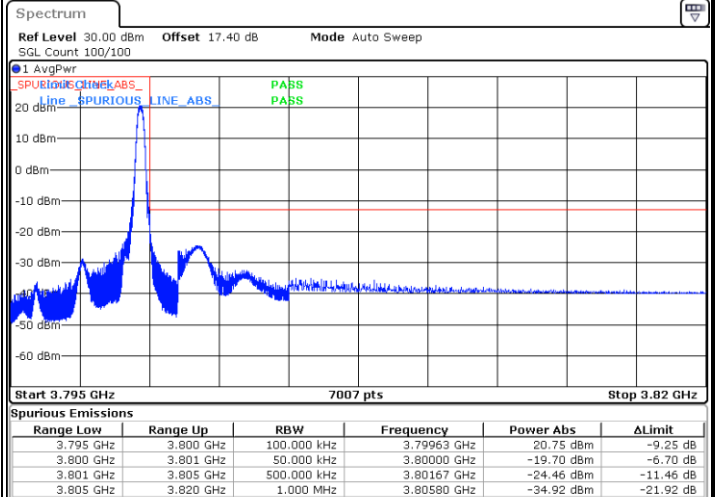
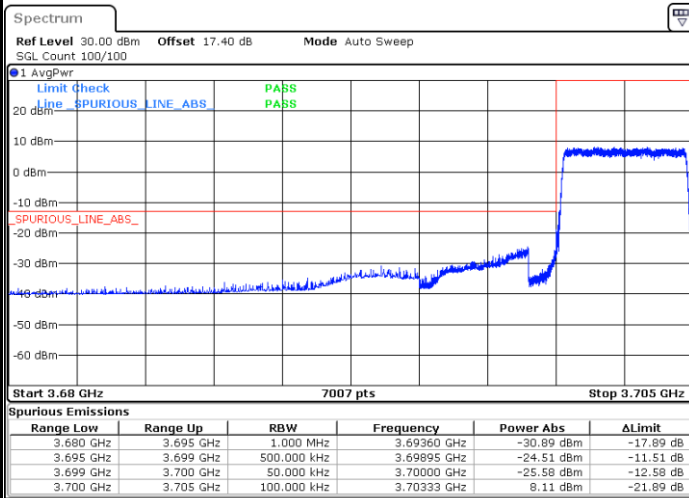
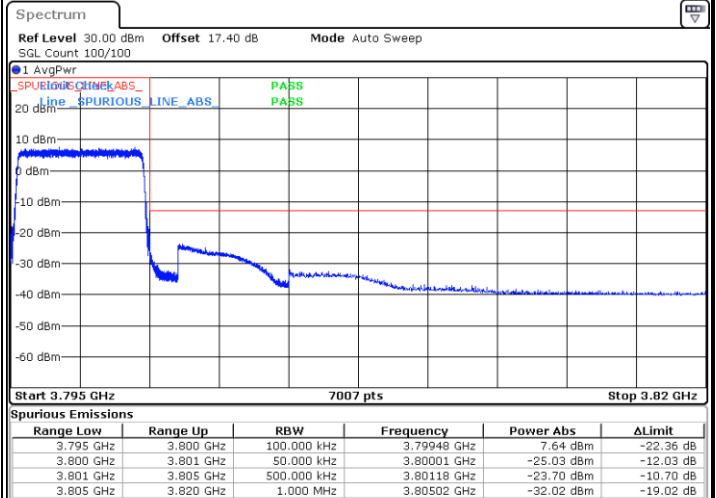


Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM

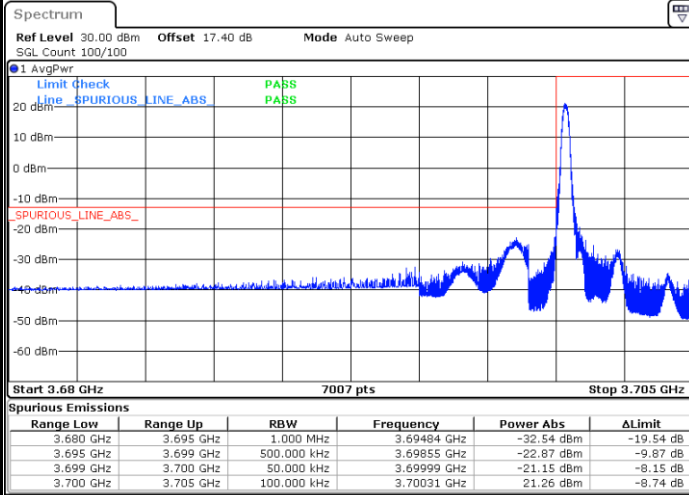


**Conducted Band Edge****LTE Band 43 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



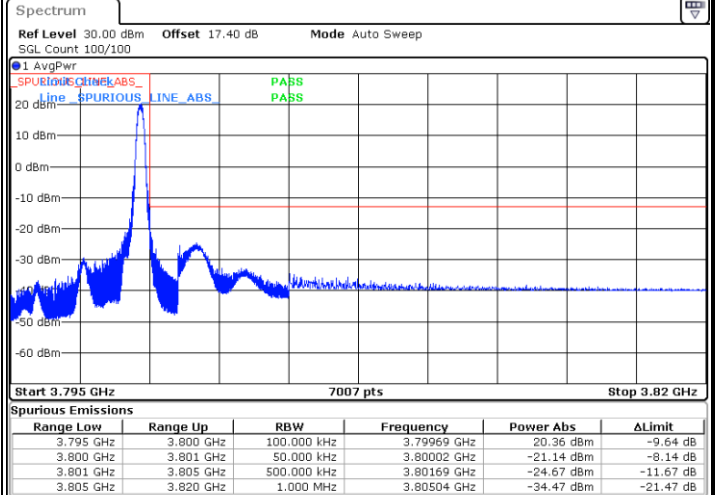
LTE Band 43 / 5MHz / 16QAM

Lowest Band Edge / 1RB



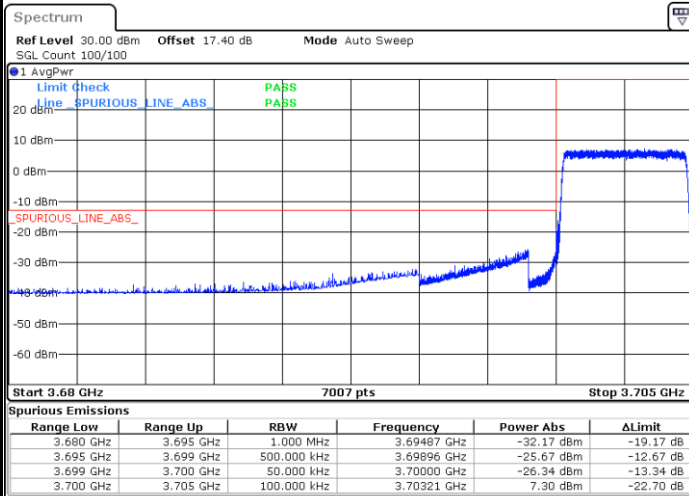
Date: 23.DEC.2024 17:58:39

Highest Band Edge / 1 RB



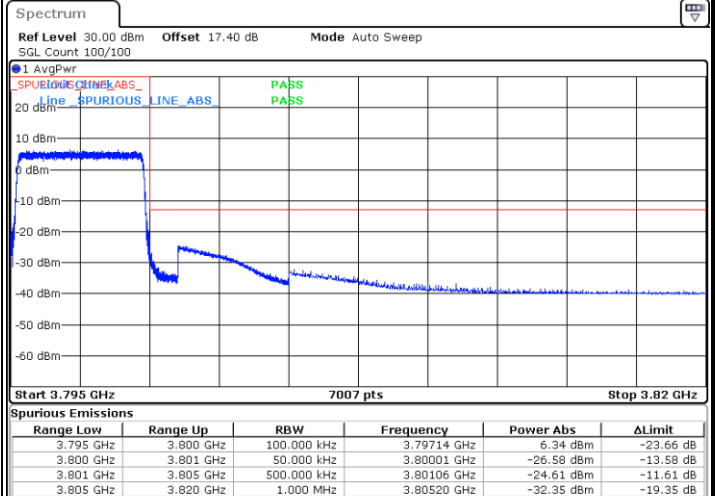
Date: 23.DEC.2024 18:06:21

Lowest Band Edge / Full RB



Date: 23.DEC.2024 18:02:49

Highest Band Edge / Full RB

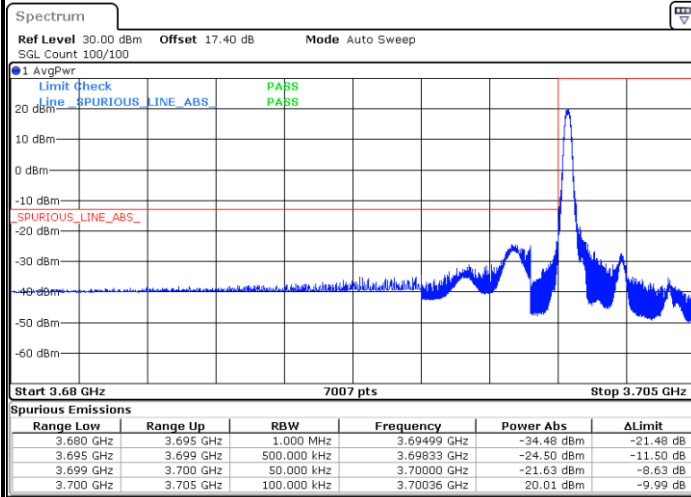


Date: 23.DEC.2024 18:09:53



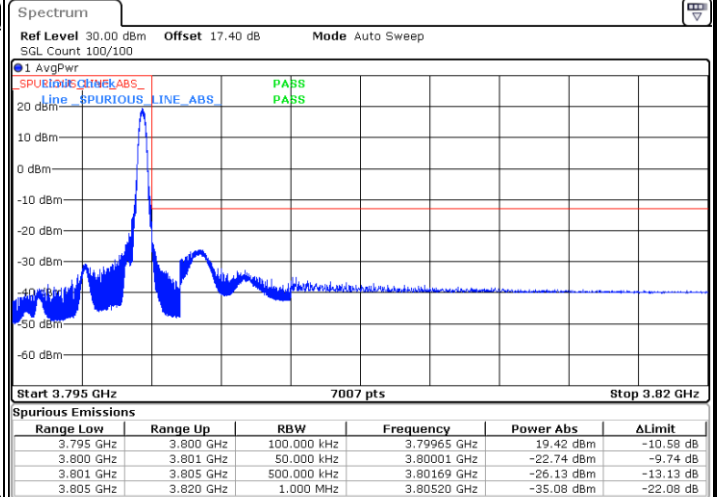
LTE Band 43 / 5MHz / 64QAM

Lowest Band Edge / 1RB



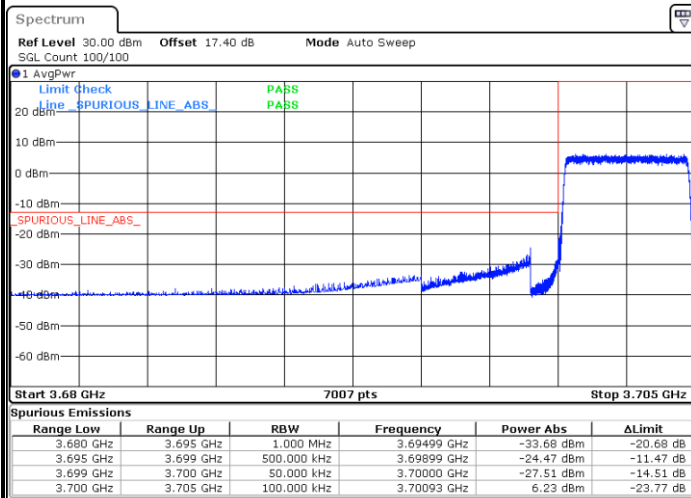
Date: 23.DEC.2024 17:59:31

Highest Band Edge / 1 RB



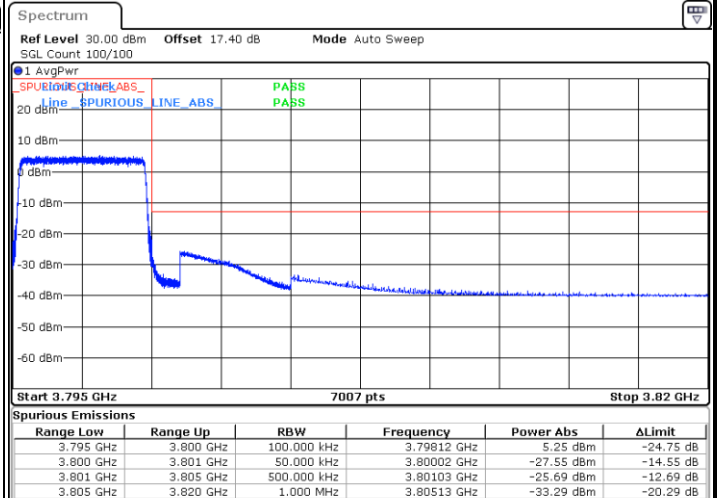
Date: 23.DEC.2024 18:07:13

Lowest Band Edge / Full RB



Date: 23.DEC.2024 18:03:41

Highest Band Edge / Full RB

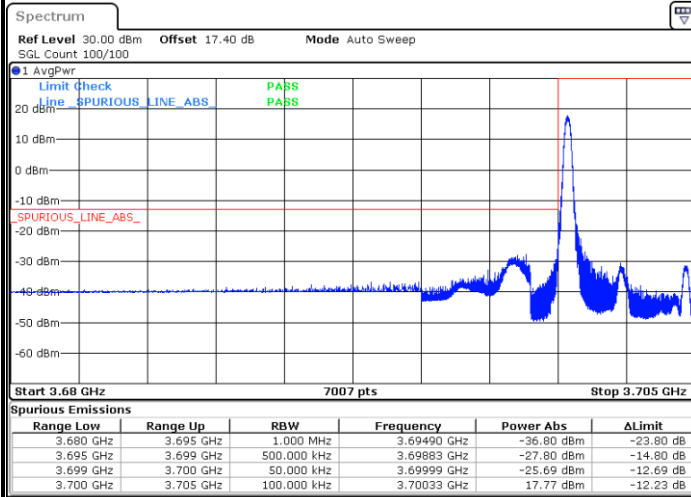


Date: 23.DEC.2024 18:10:45



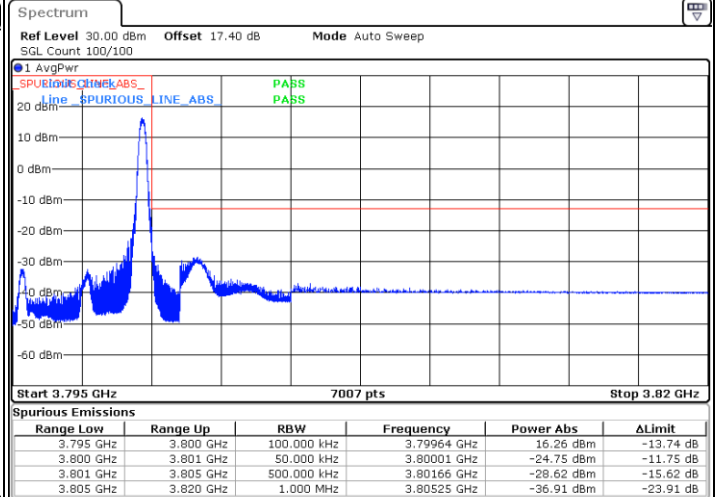
LTE Band 43 / 5MHz / 256QAM

Lowest Band Edge / 1RB



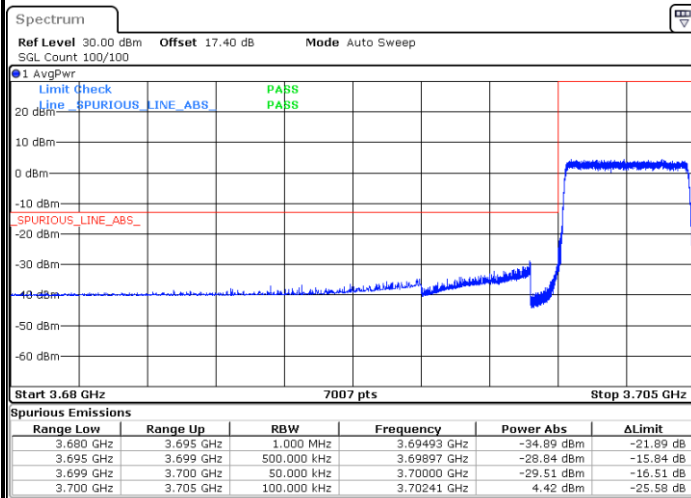
Date: 23.DEC.2024 18:00:24

Highest Band Edge / 1 RB



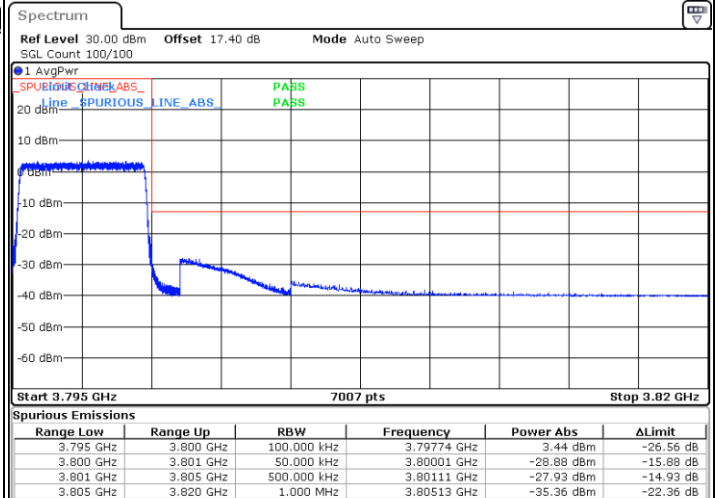
Date: 23.DEC.2024 18:08:06

Lowest Band Edge / Full RB



Date: 23.DEC.2024 18:04:34

Highest Band Edge / Full RB

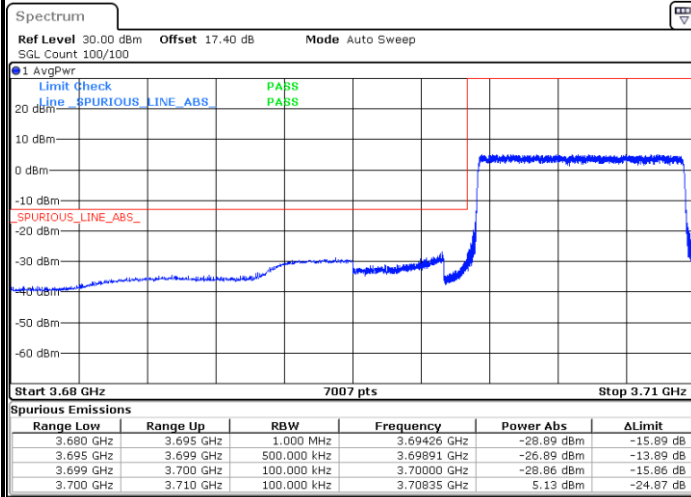


Date: 23.DEC.2024 18:11:38



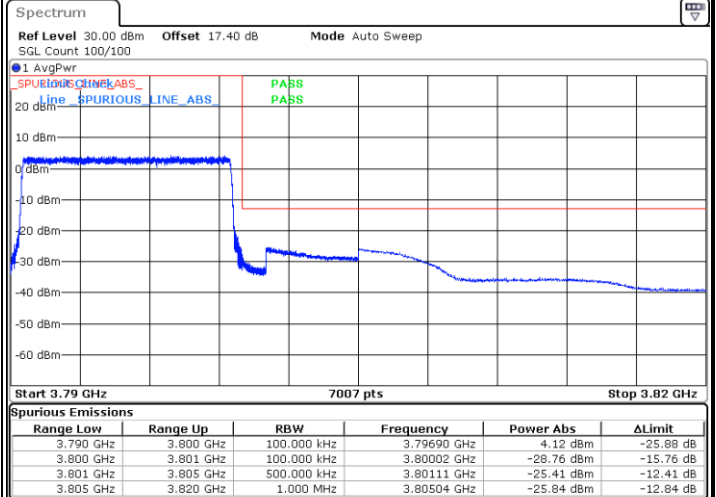
LTE Band 43 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 23.DEC.2024 18:23:41

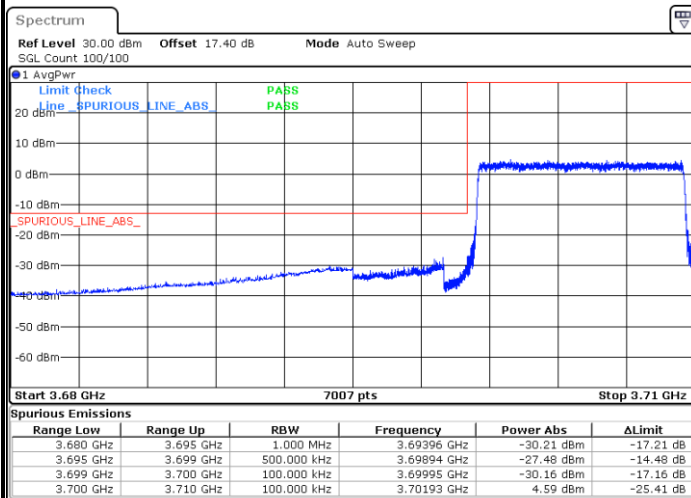
Highest Band Edge / Full RB



Date: 23.DEC.2024 18:27:13

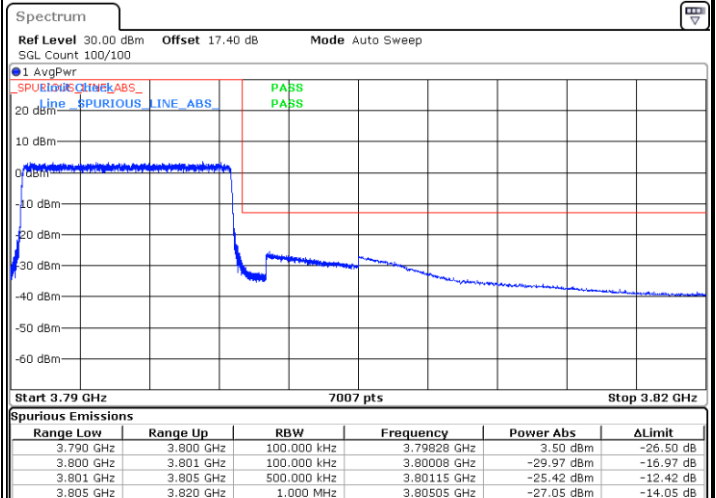
TE Band 43 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 23.DEC.2024 18:24:33

Highest Band Edge / Full RB

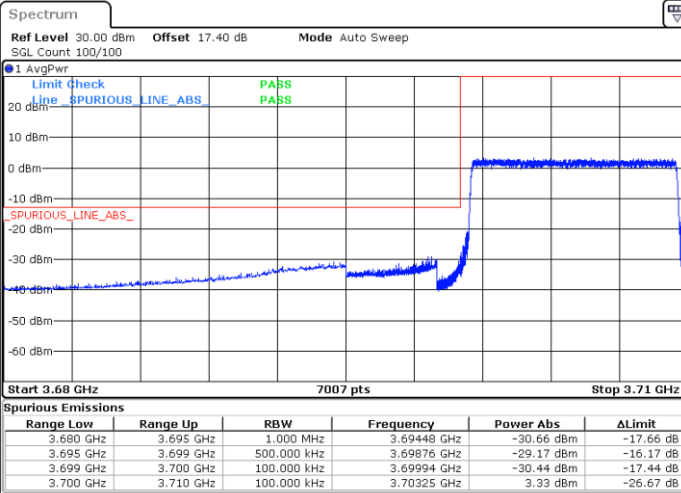


Date: 23.DEC.2024 18:28:05

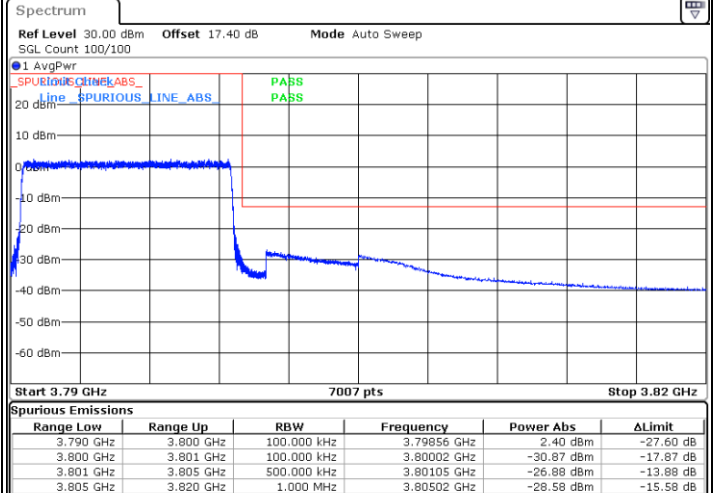


LTE Band 43 / 10MHz / 64QAM

Lowest Band Edge / Full RB

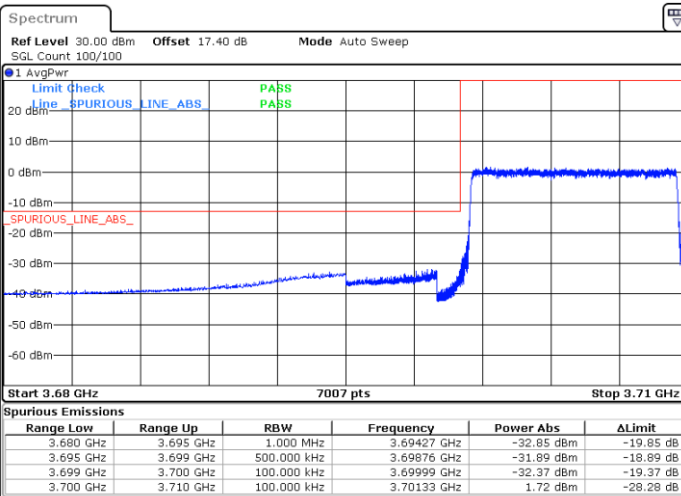


Highest Band Edge / Full RB

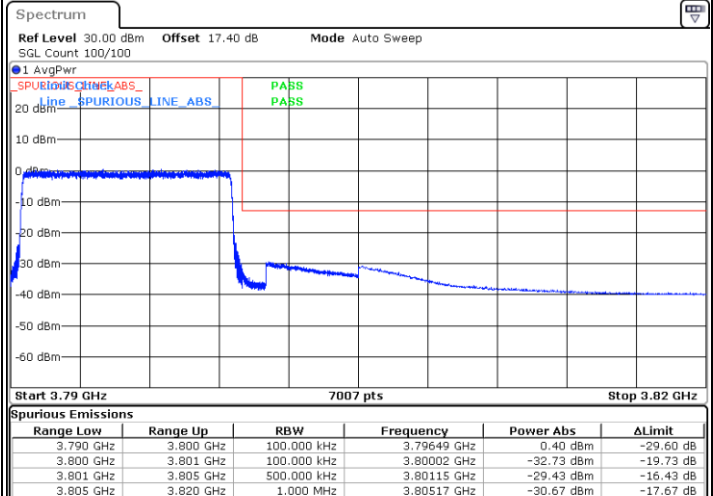


LTE Band 43 / 10MHz / 256QAM

Lowest Band Edge / Full RB



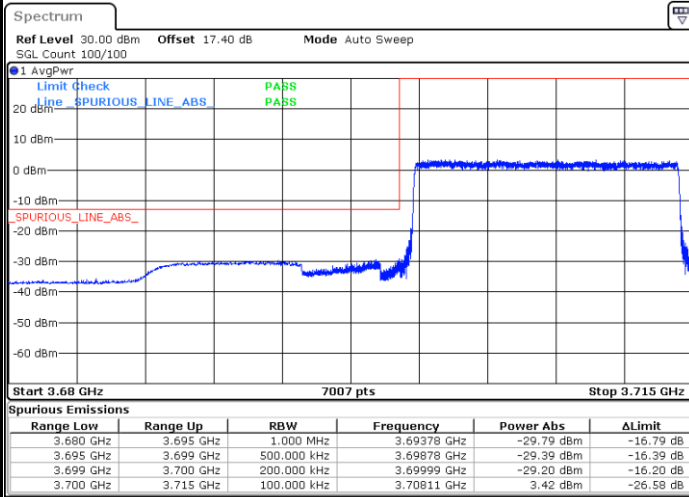
Highest Band Edge / Full RB



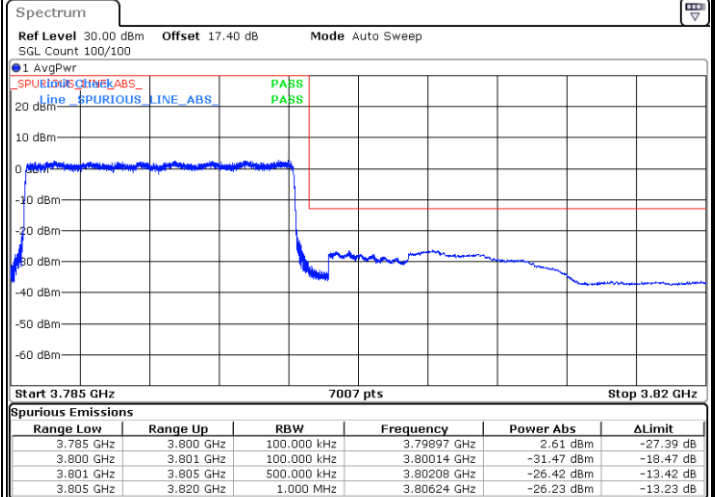


LTE Band 43 / 15MHz / QPSK

Lowest Band Edge / Full RB

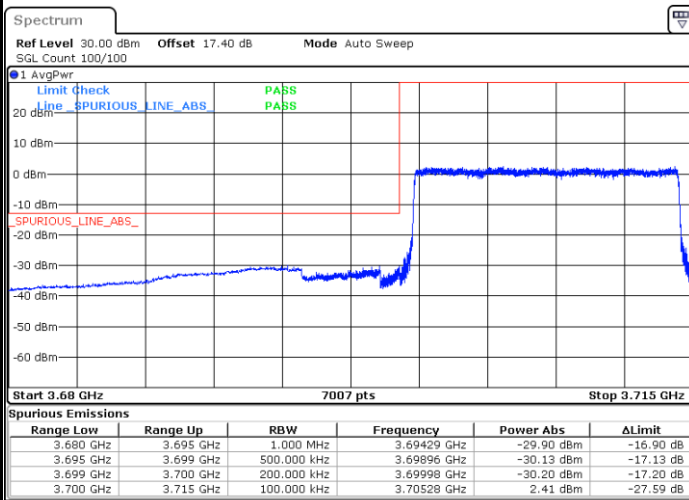


Highest Band Edge / Full RB

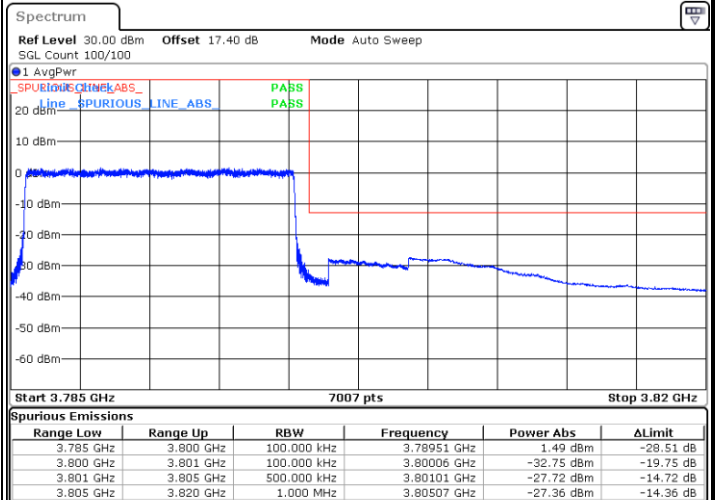


LTE Band 43 / 15MHz / 16QAM

Lowest Band Edge / Full RB



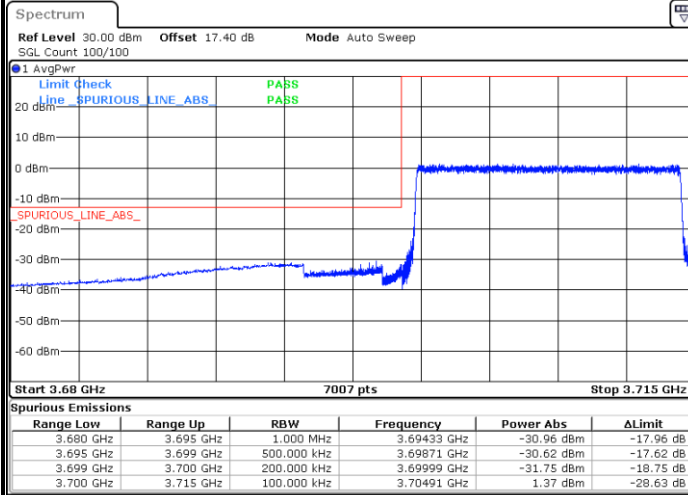
Highest Band Edge / Full RB



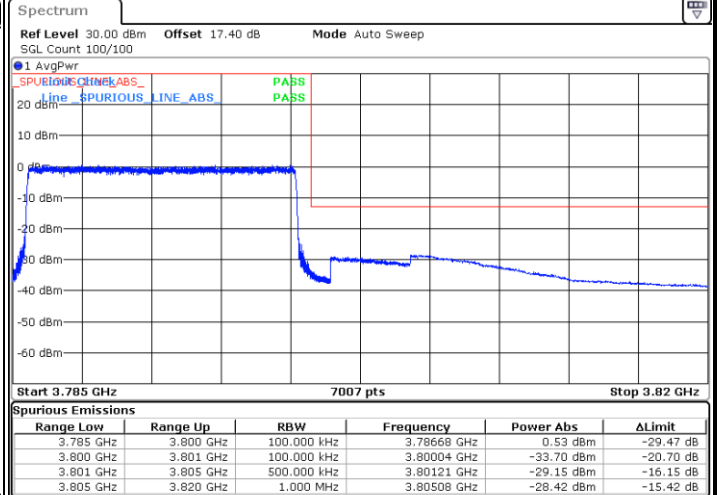


LTE Band 43 / 15MHz / 64QAM

Lowest Band Edge / Full RB

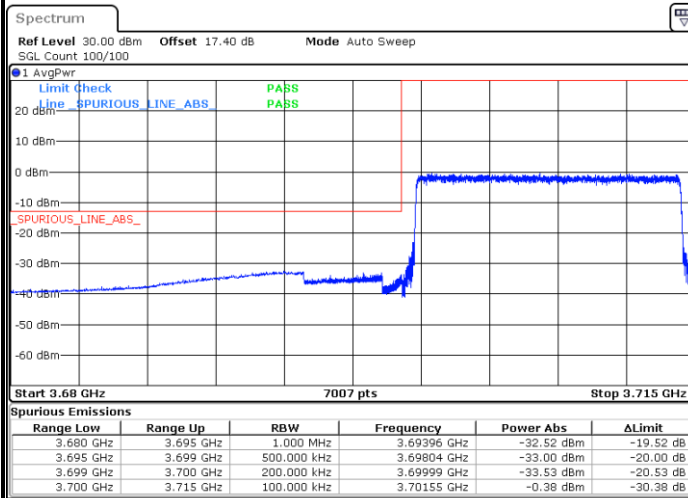


Highest Band Edge / Full RB

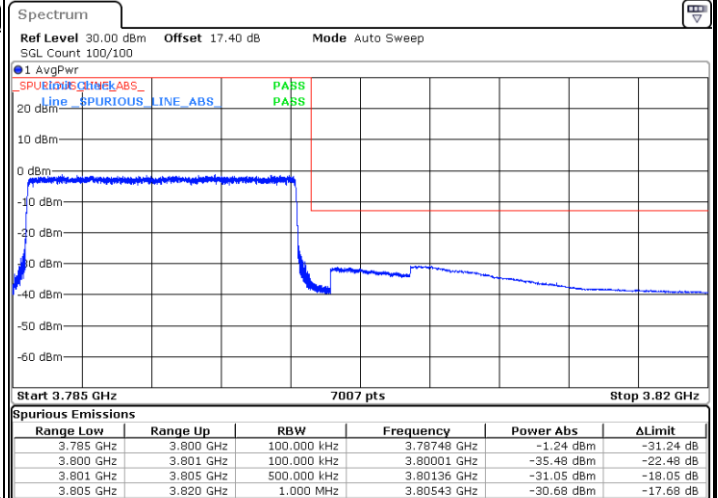


LTE Band 43 / 15MHz / 256QAM

Lowest Band Edge / Full RB



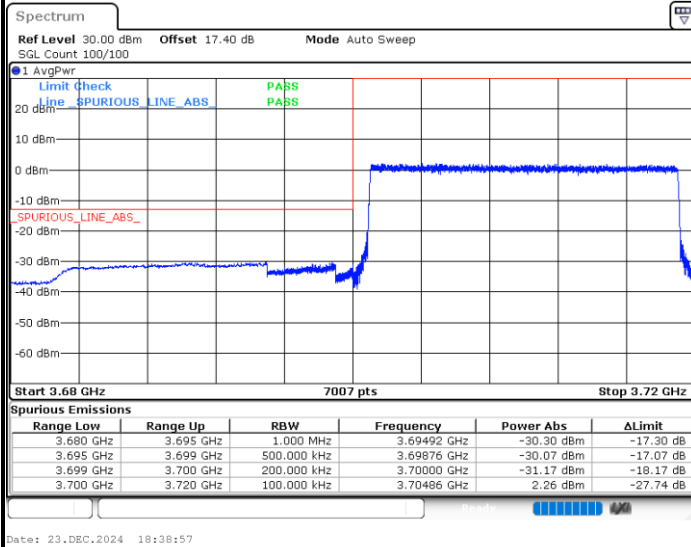
Highest Band Edge / Full RB



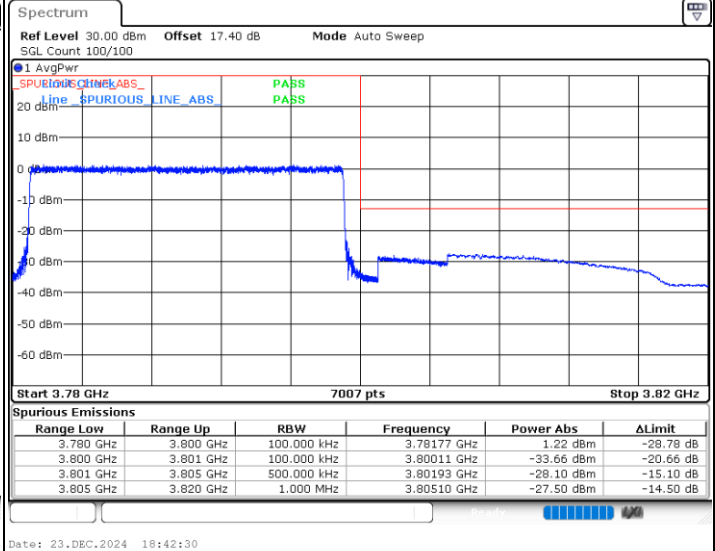


LTE Band 43 / 20MHz / QPSK

Lowest Band Edge / Full RB

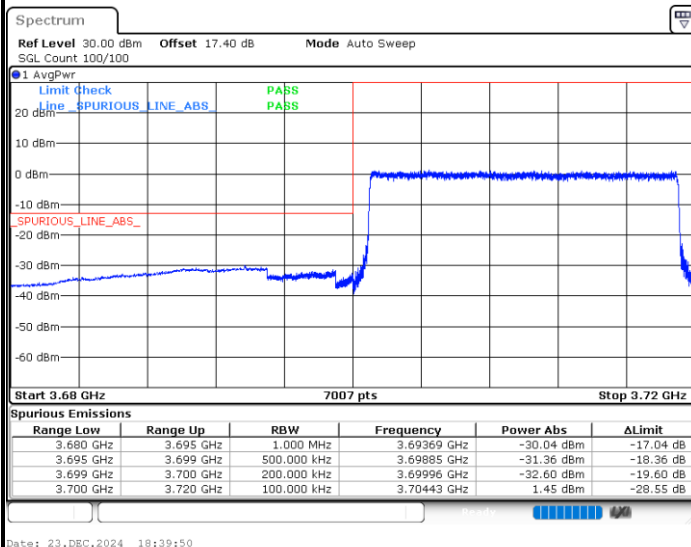


Highest Band Edge / Full RB

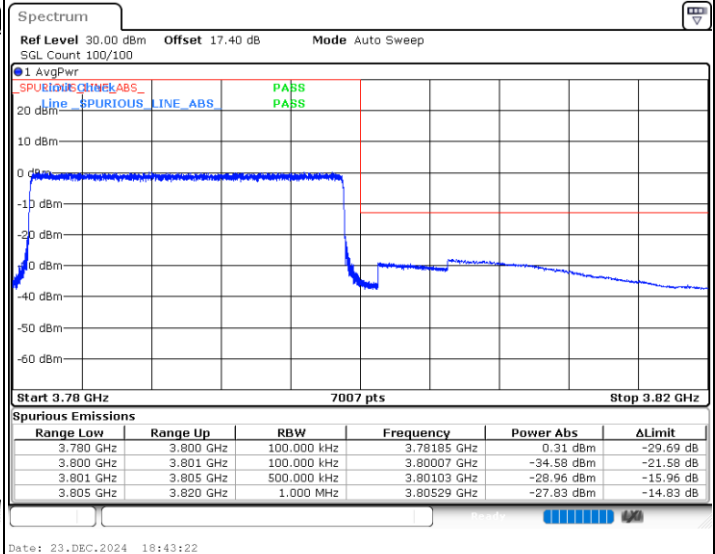


LTE Band 43 / 20MHz / 16QAM

Lowest Band Edge / Full RB



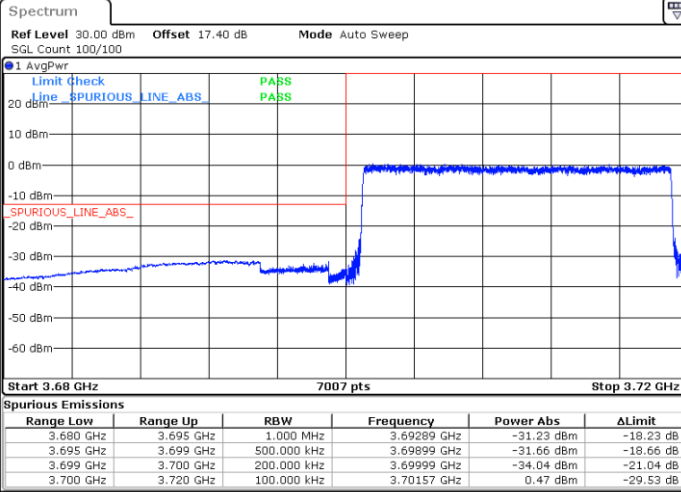
Highest Band Edge / Full RB



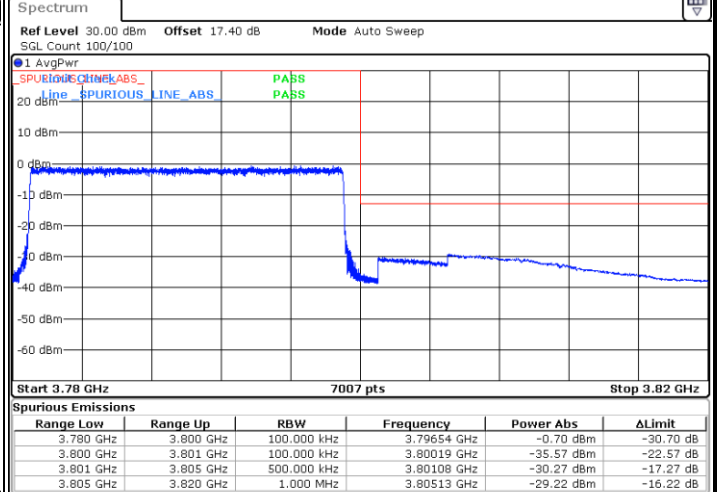


LTE Band 43 / 20MHz / 64QAM

Lowest Band Edge / Full RB

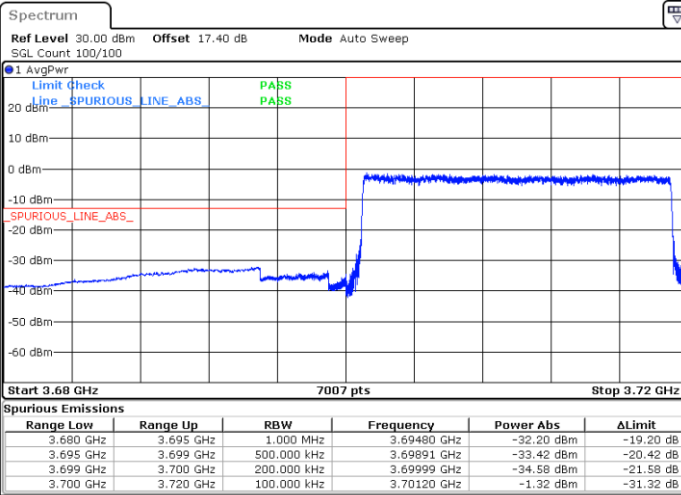


Highest Band Edge / Full RB

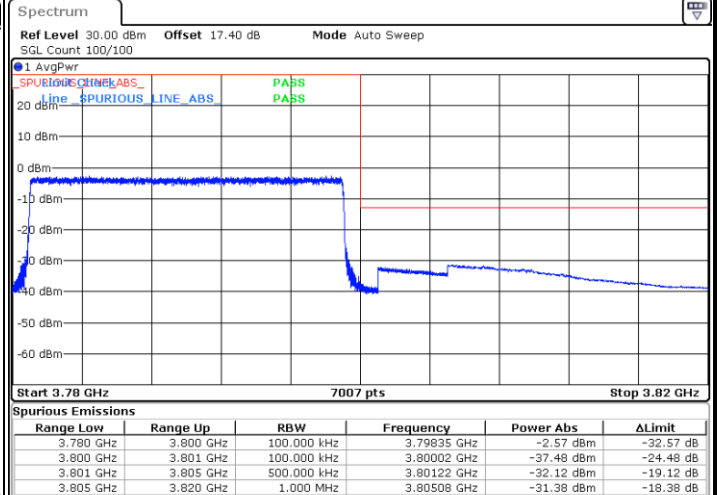


LTE Band 43 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

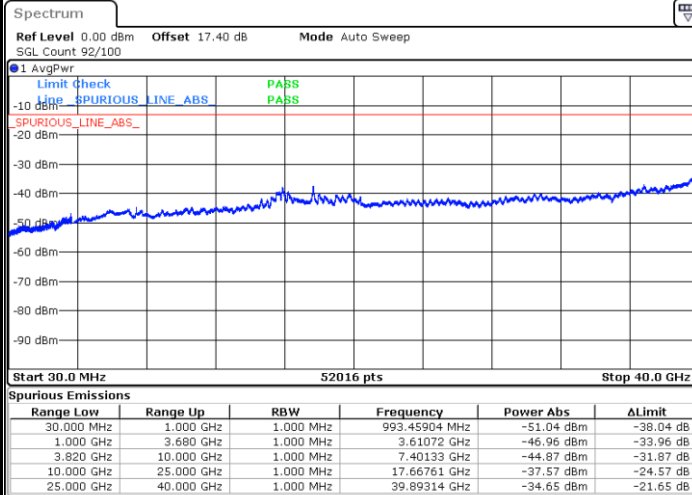




Conducted Spurious Emission

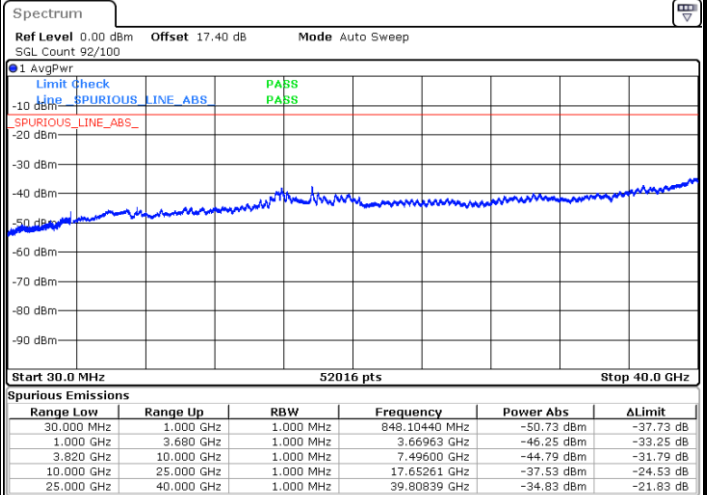
LTE Band 43 / 5MHz

Lowest Channel / QPSK



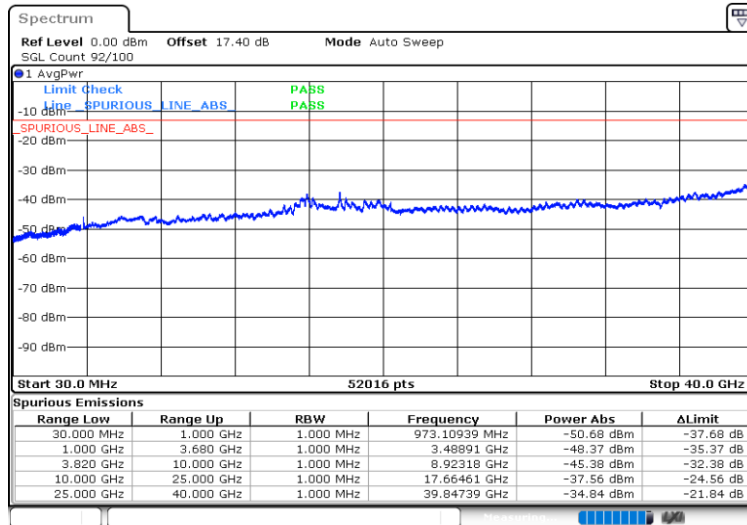
Date: 23.DEC.2024 19:11:55

Middle Channel / QPSK



Date: 23.DEC.2024 19:13:08

Highest Channel / QPSK

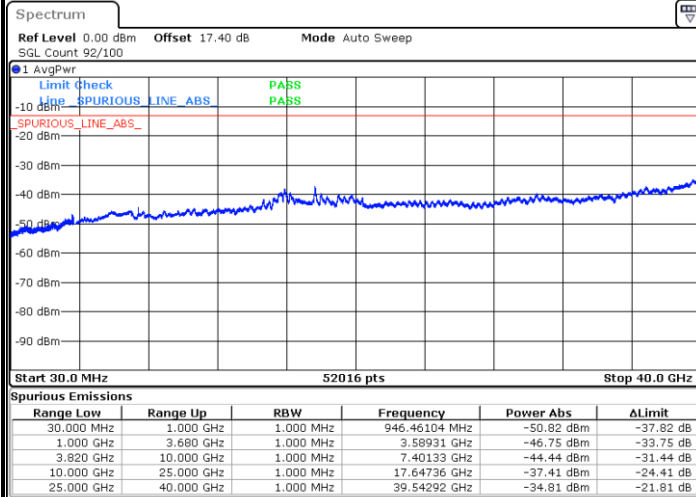


Date: 23.DEC.2024 19:14:21



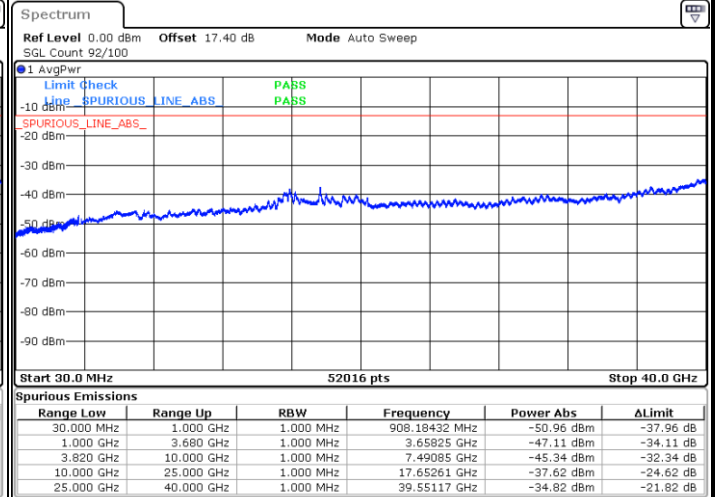
LTE Band 43 / 10MHz

Lowest Channel / QPSK



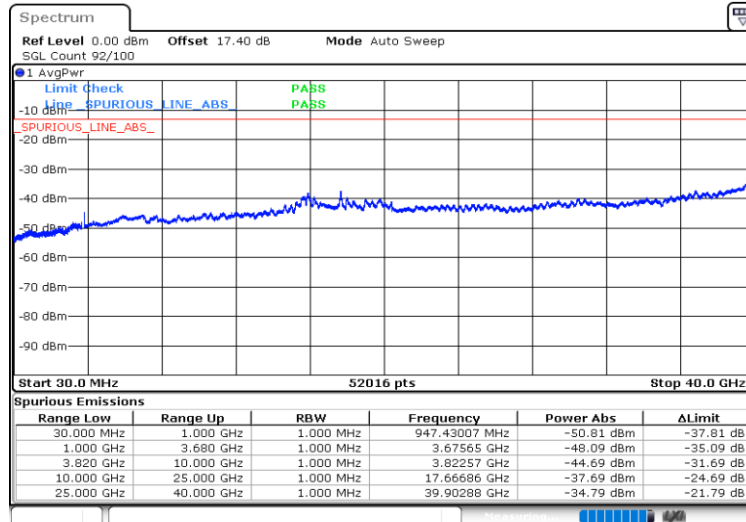
Date: 23.DEC.2024 19:15:34

Middle Channel / QPSK



Date: 23.DEC.2024 19:16:46

Highest Channel / QPSK

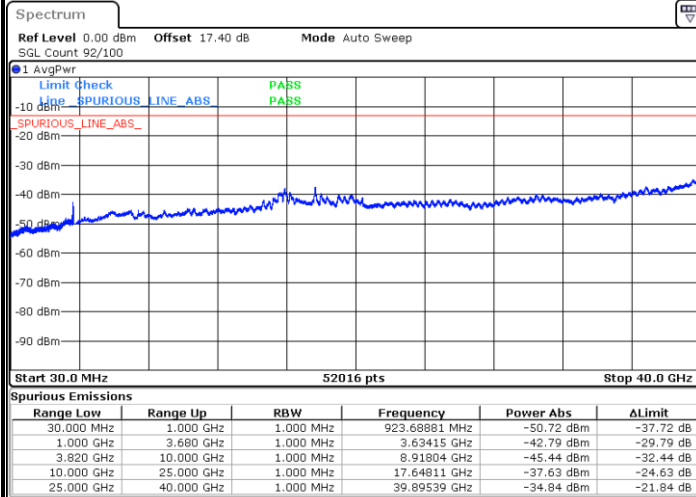


Date: 23.DEC.2024 19:17:58



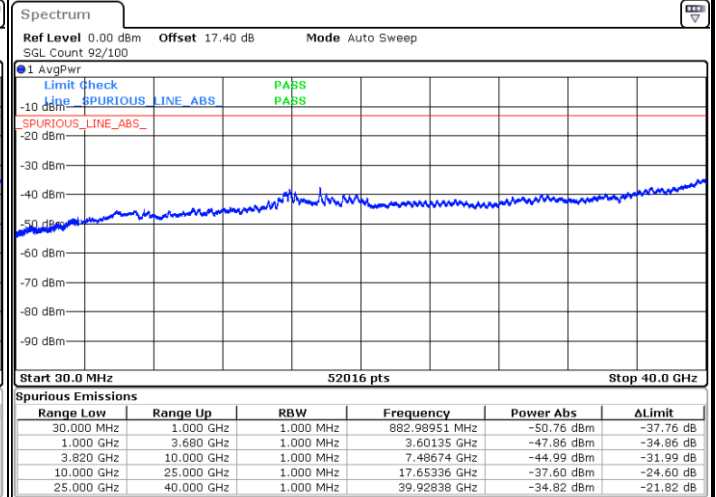
LTE Band 43 / 15MHz

Lowest Channel / QPSK



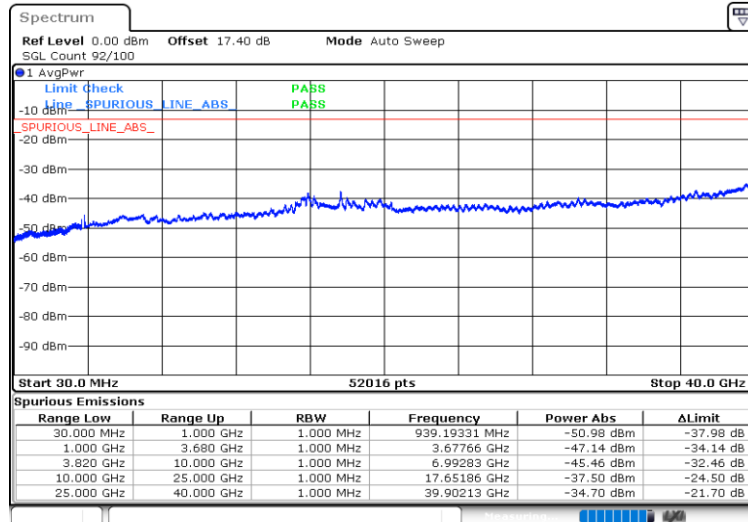
Date: 23.DEC.2024 19:19:11

Middle Channel / QPSK



Date: 23.DEC.2024 19:20:24

Highest Channel / QPSK

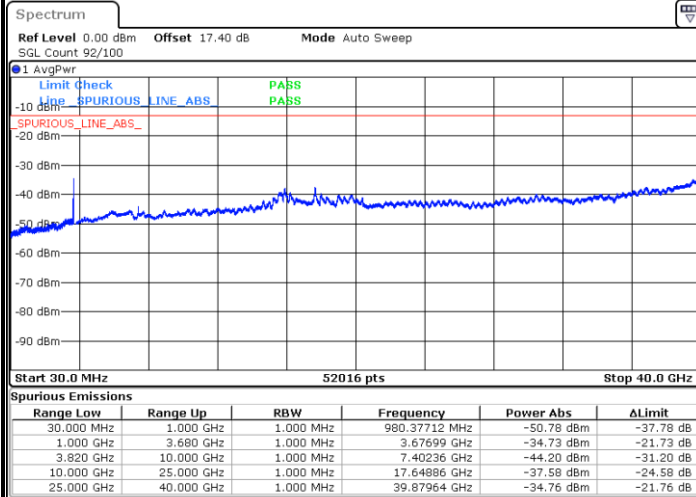


Date: 23.DEC.2024 19:21:36



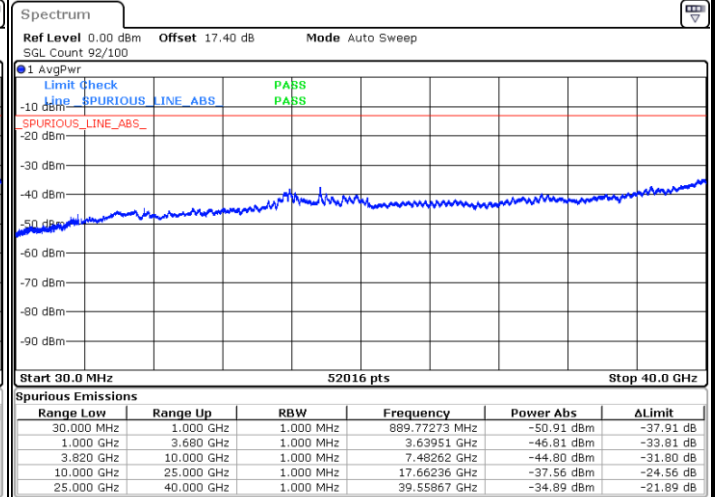
LTE Band 43 / 20MHz

Lowest Channel / QPSK



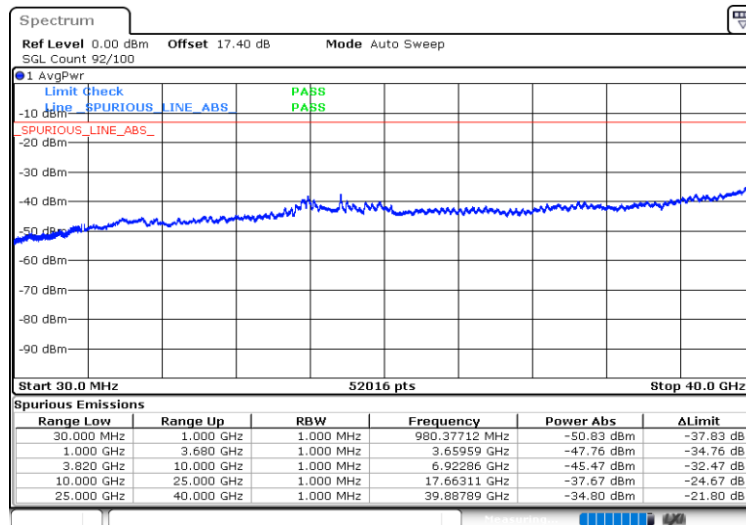
Date: 23.DEC.2024 19:22:49

Middle Channel / QPSK



Date: 23.DEC.2024 19:24:02

Highest Channel / QPSK



Date: 23.DEC.2024 19:25:15

Frequency Stability

Test Conditions		LTE Band 43 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0037	PASS
40	Normal Voltage	0.0041	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0040	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0050	
-20	Normal Voltage	0.0006	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0007	

Note:

1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



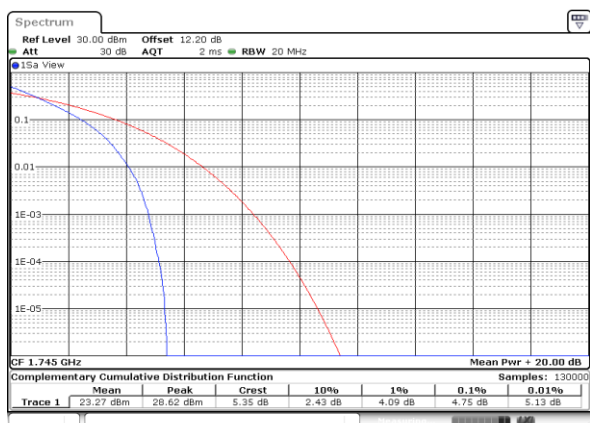
LTE Band 66

Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.75	5.65	6.09	6.64	PASS

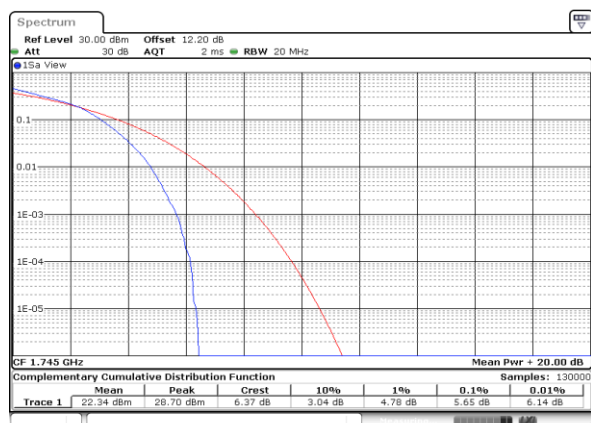
LTE Band 66 / 20MHz / QPSK

Middle Channel / Full RB



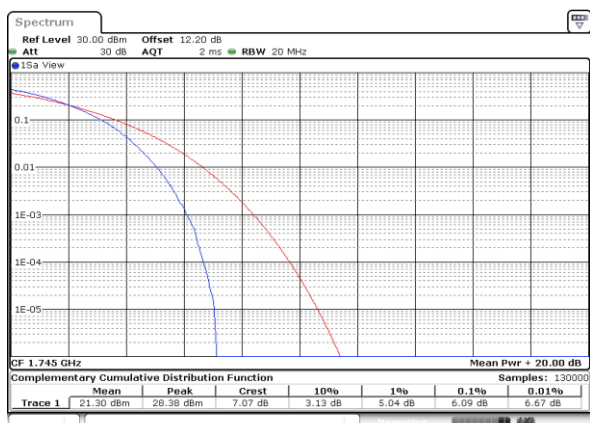
LTE Band 66 / 20MHz / 16QAM

Middle Channel / Full RB



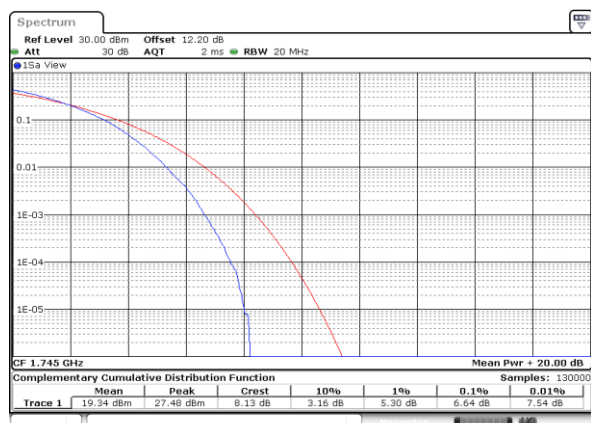
LTE Band 66 / 20MHz / 64QAM

Middle Channel / Full RB



LTE Band 66 / 20MHz / 256QAM

Middle Channel / Full RB



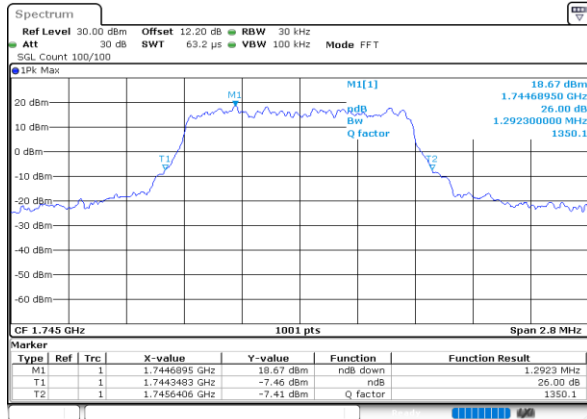
**26dB Bandwidth**

Mode	LTE Band 66 : 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	1.29	1.31	3.09	3.09	4.99	5.10	9.92	9.91	14.29	14.83	19.46	19.14
Mode	LTE Band 66 : 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	1.32	1.33	3.01	3.06	5.07	5.02	9.81	10.07	14.86	14.92	18.98	19.34

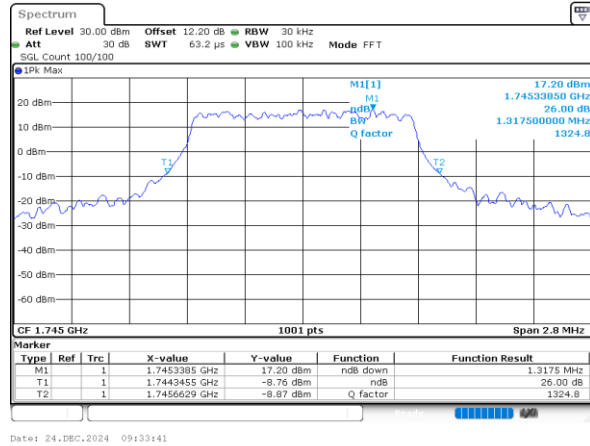


LTE Band 66

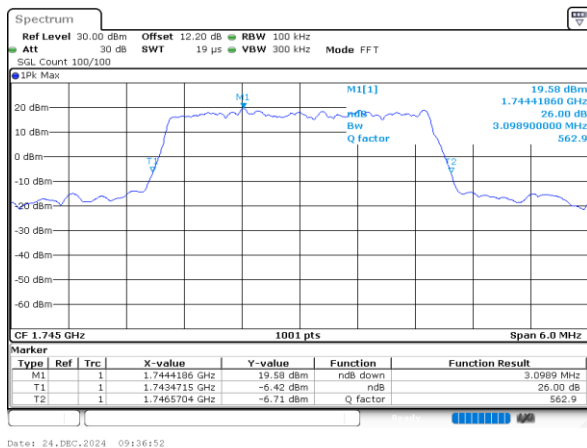
Middle Channel / 1.4MHz / QPSK



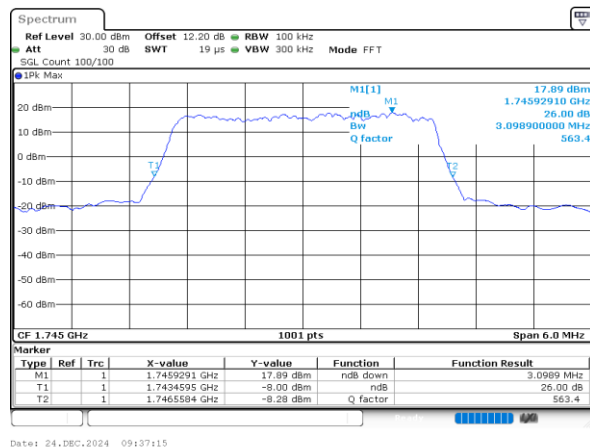
Middle Channel / 1.4MHz / 16QAM



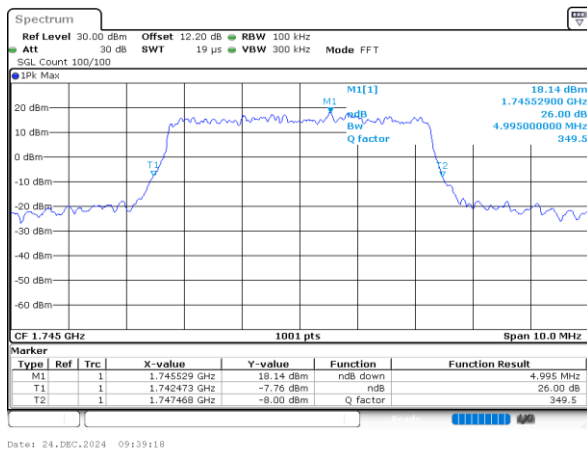
Middle Channel / 3MHz / QPSK



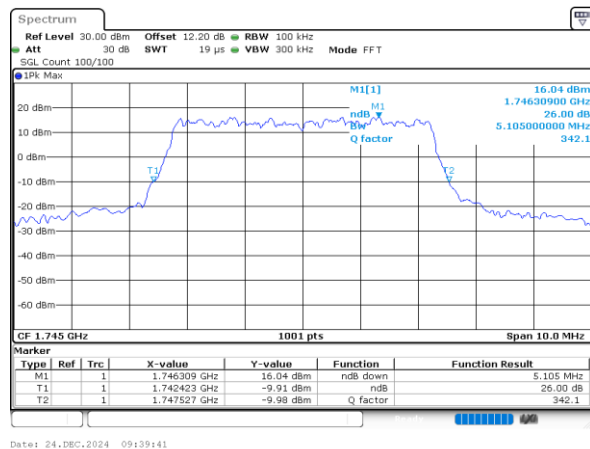
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



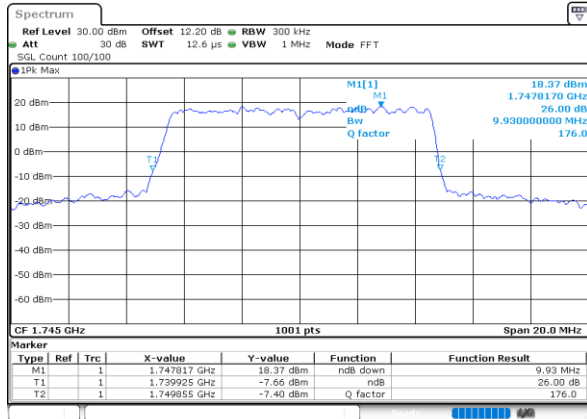
Middle Channel / 5MHz / 16QAM



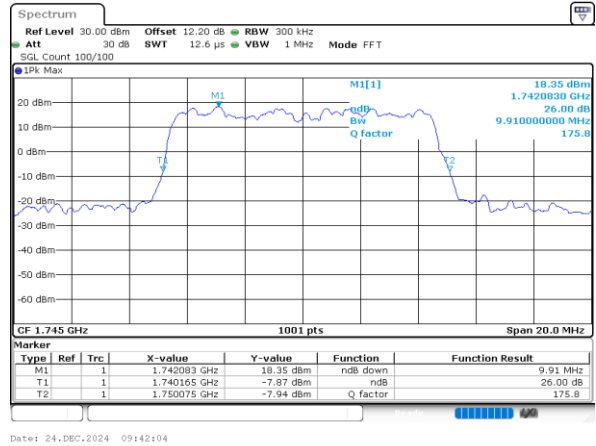


LTE Band 66

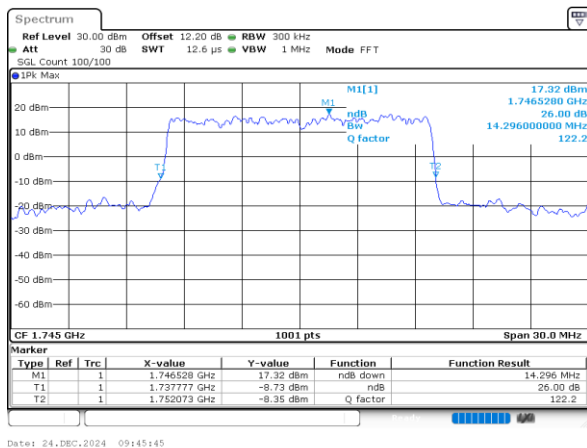
Middle Channel / 10MHz / QPSK



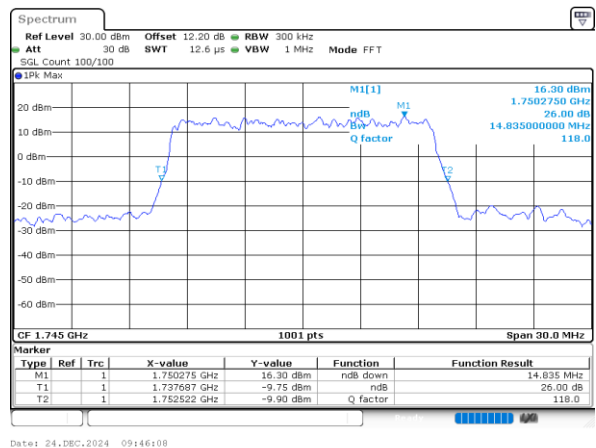
Middle Channel / 10MHz / 16QAM



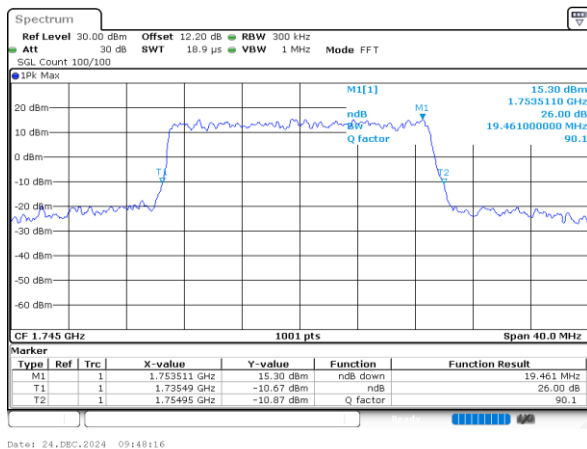
Middle Channel / 15MHz / QPSK



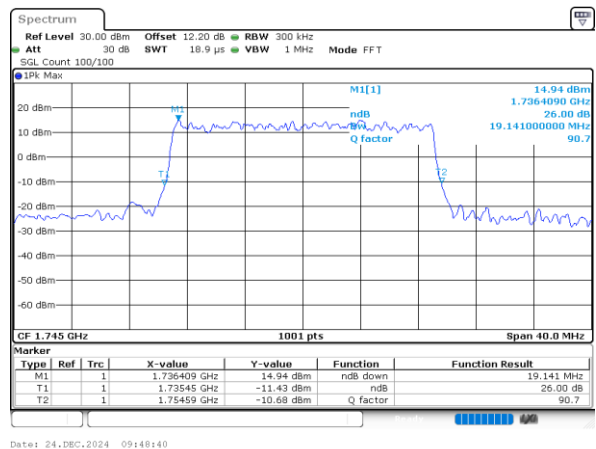
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



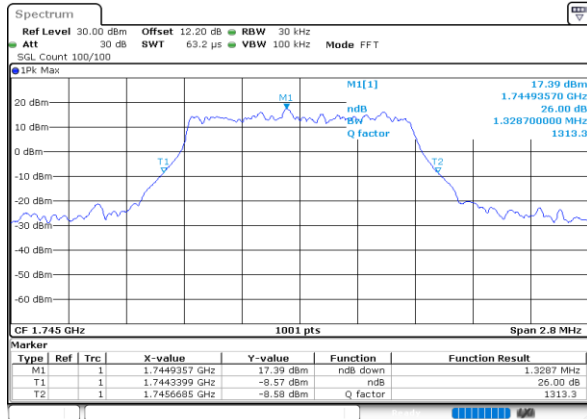
Middle Channel / 20MHz / 16QAM



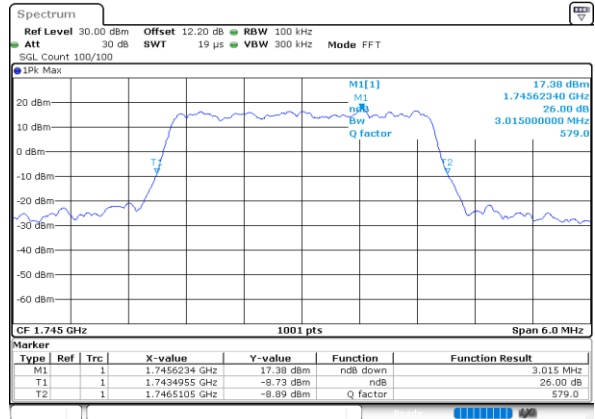


LTE Band 66

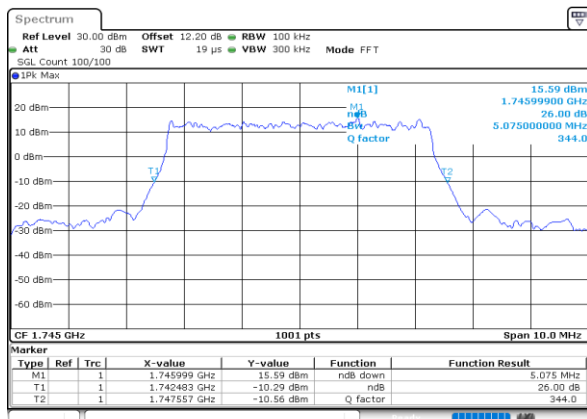
Middle Channel / 1.4MHz / 64QAM



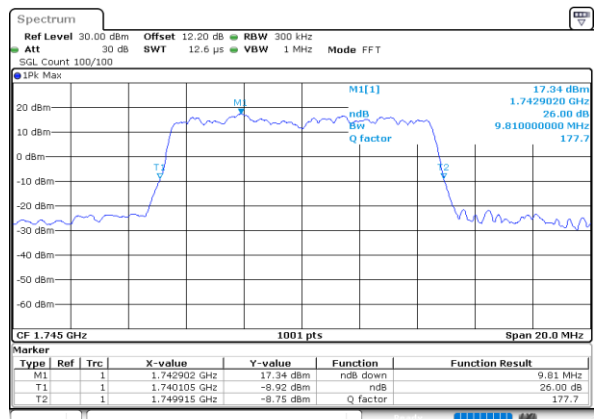
Middle Channel / 3MHz / 64QAM



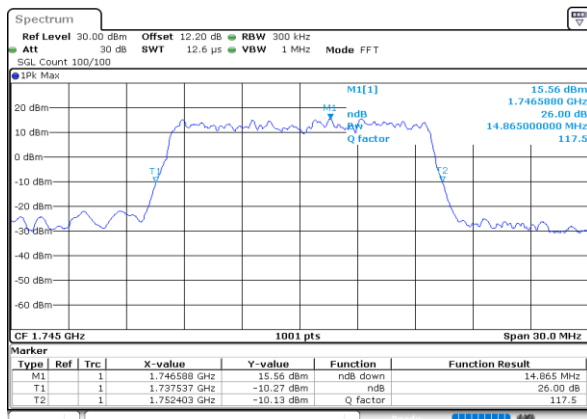
Middle Channel / 5MHz / 64QAM



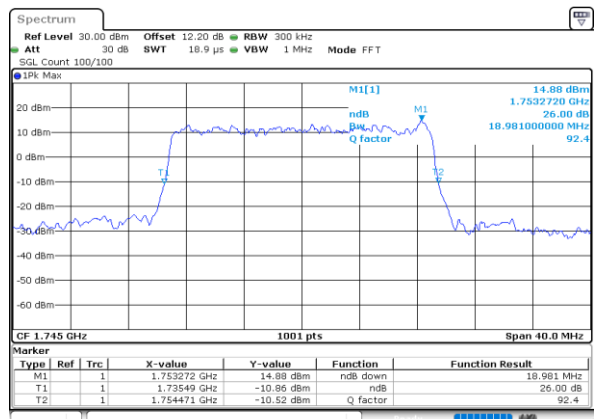
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



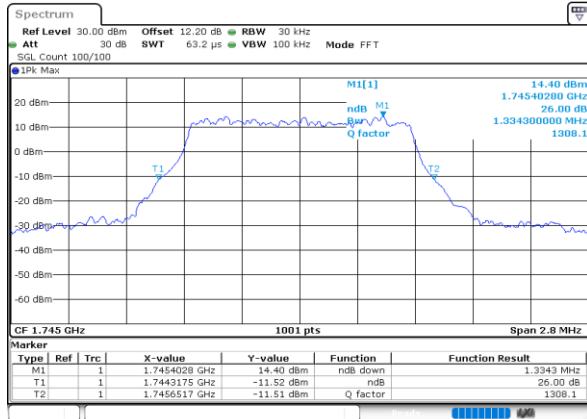
Middle Channel / 20MHz / 64QAM



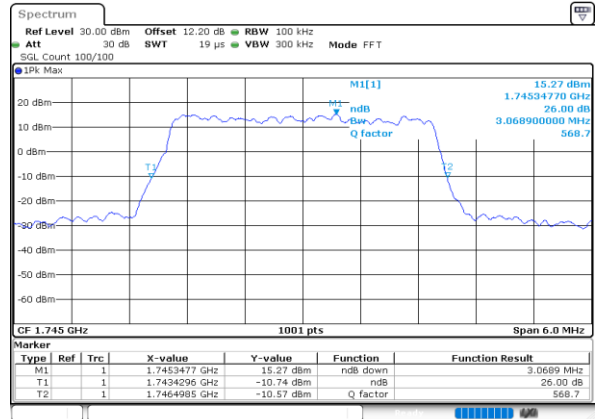


LTE Band 66

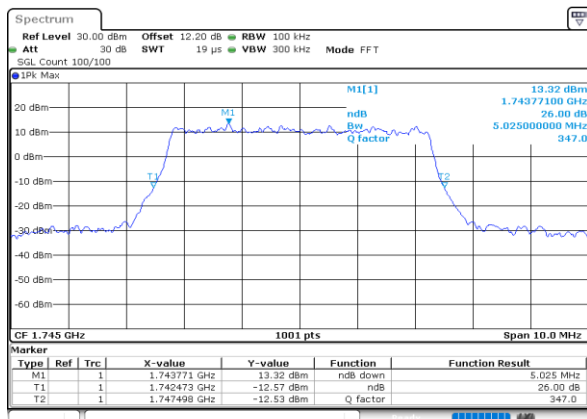
Middle Channel / 1.4MHz / 256QAM



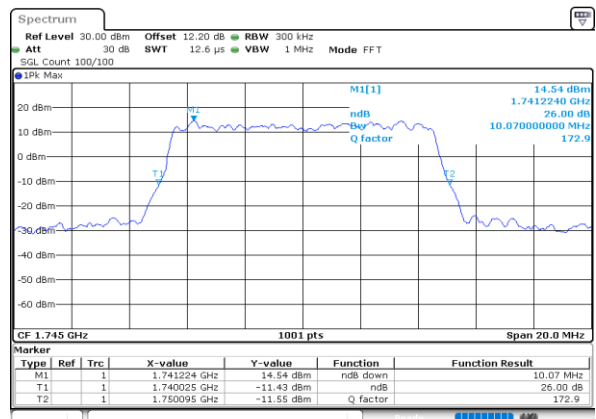
Middle Channel / 3MHz / 256QAM



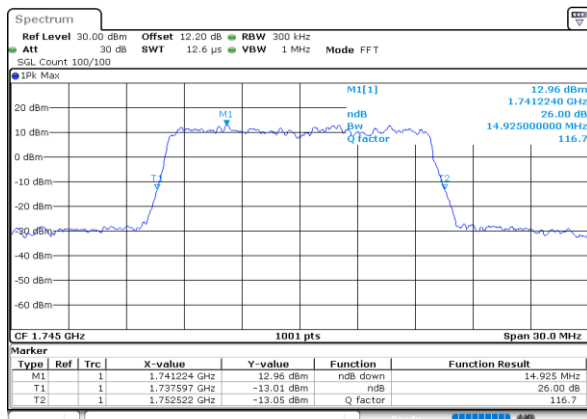
Middle Channel / 5MHz / 256QAM



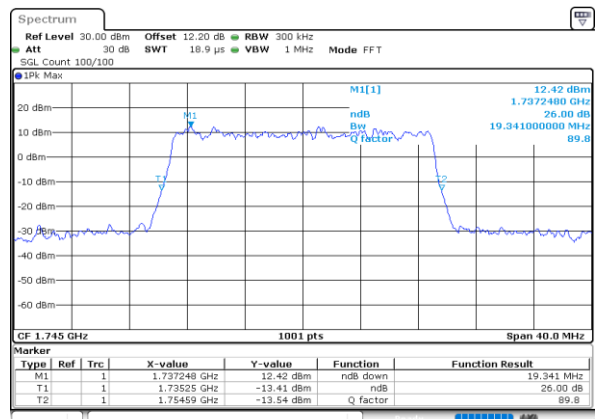
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM



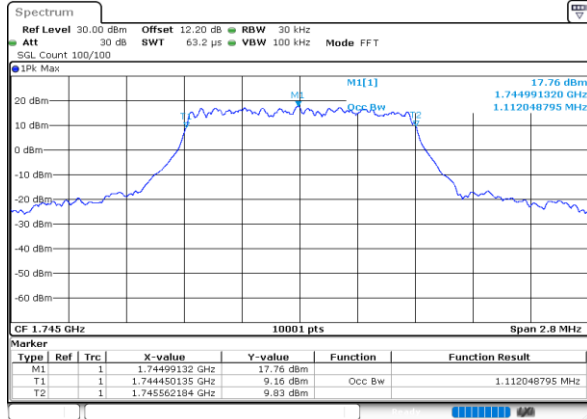
**Occupied Bandwidth**

Mode	LTE Band 66 : 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	1.11	1.10	2.73	2.72	4.49	4.47	9.03	9.05	13.48	13.45	17.86	17.89
Mode	LTE Band 66 : 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	1.09	2.72	2.72	4.48	4.48	8.99	9.12	13.43	13.36	17.91	17.87

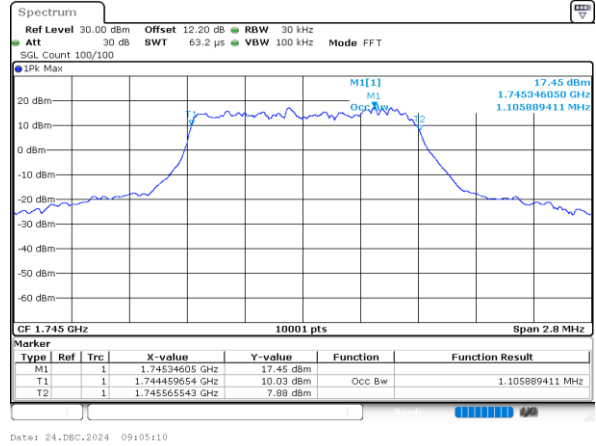


LTE Band 66

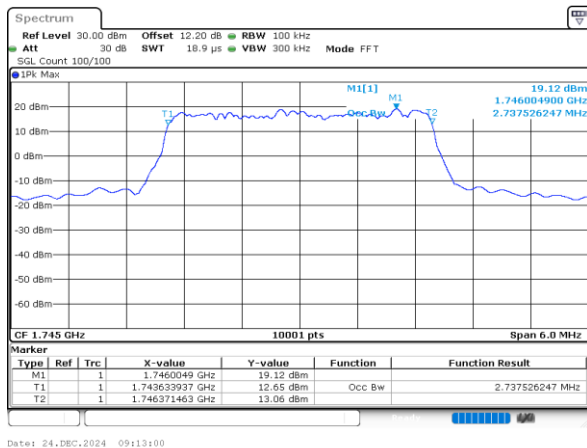
Middle Channel / 1.4MHz / QPSK



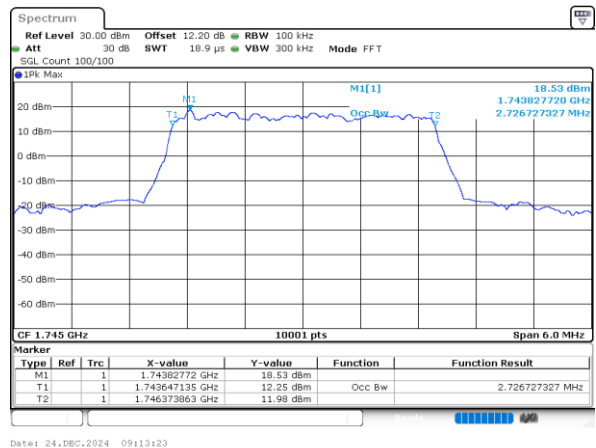
Middle Channel / 1.4MHz / 16QAM



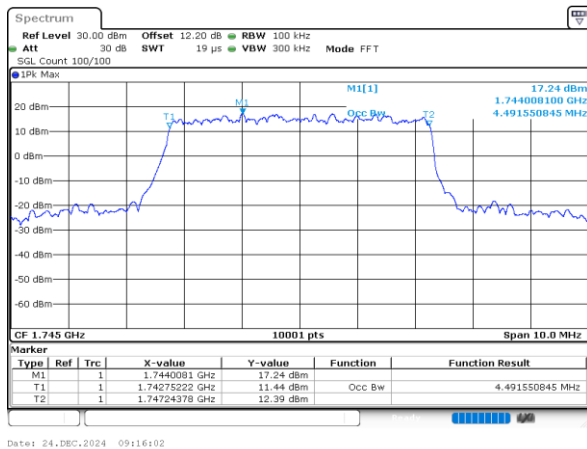
Middle Channel / 3MHz / QPSK



Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM

