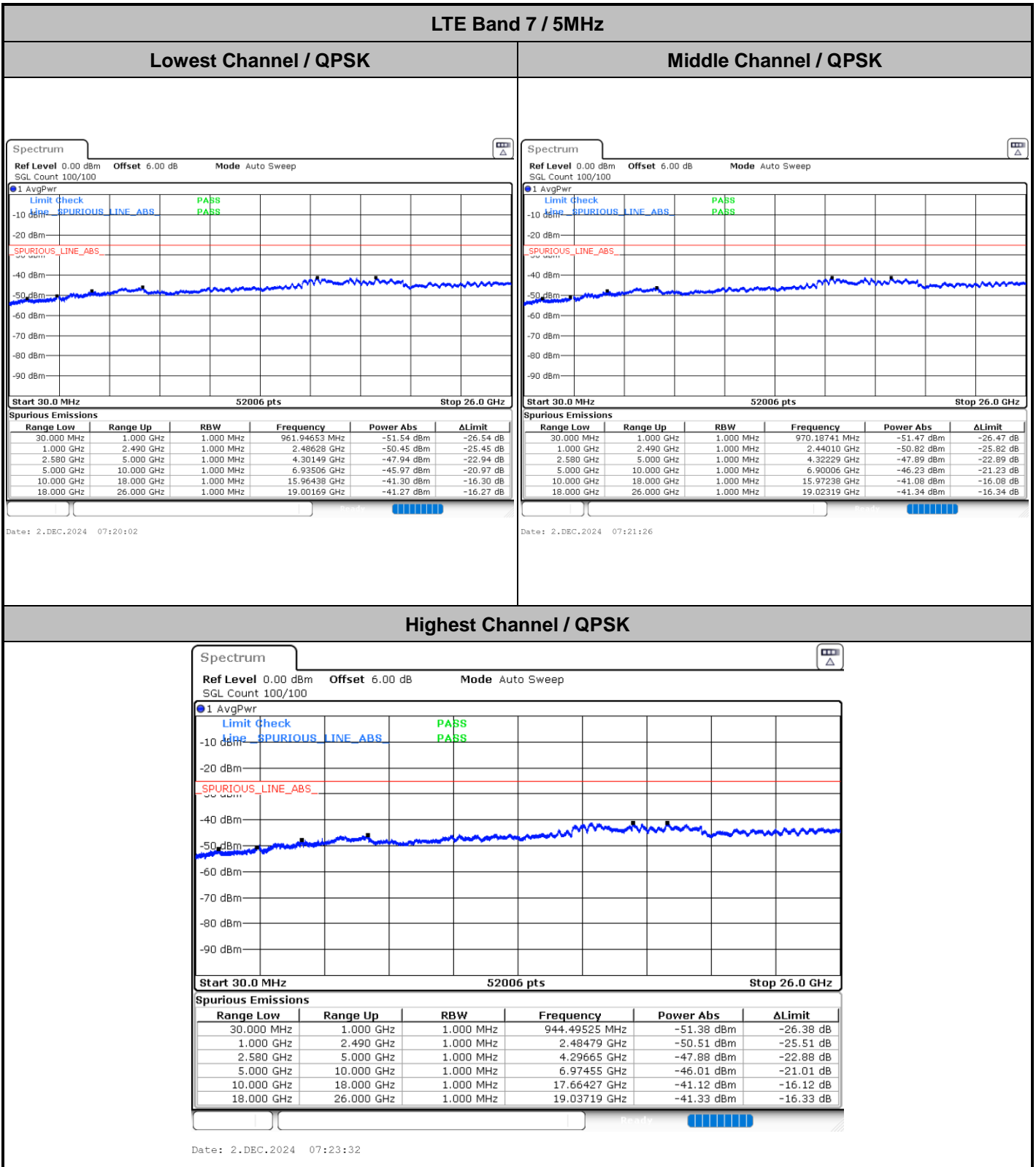




Conducted Spurious Emission

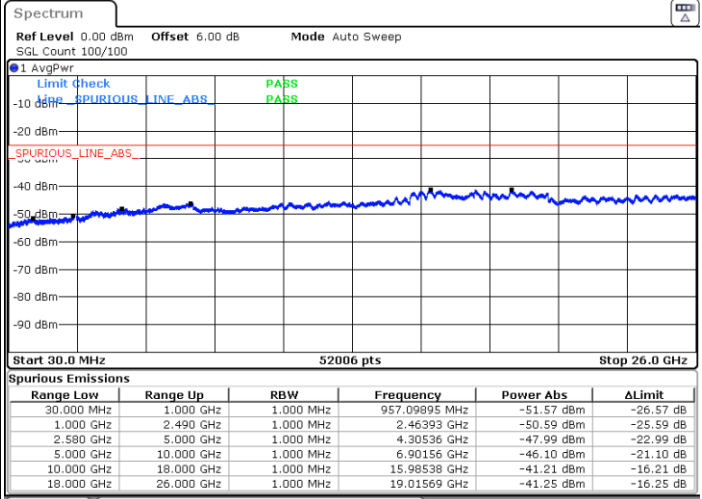
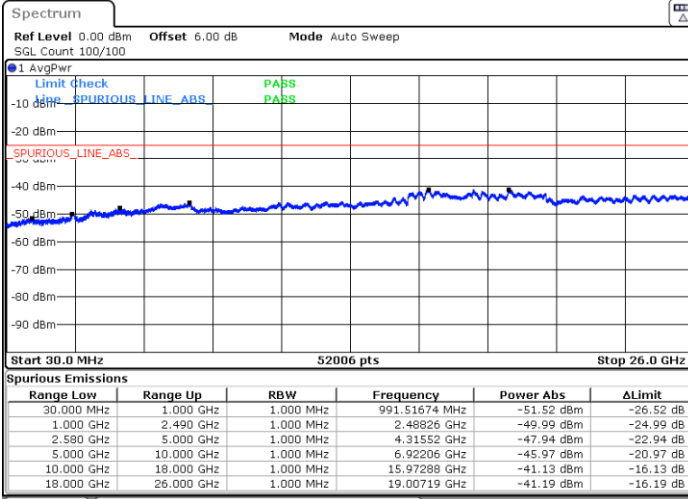




LTE Band 7 / 10MHz

Lowest Channel / QPSK

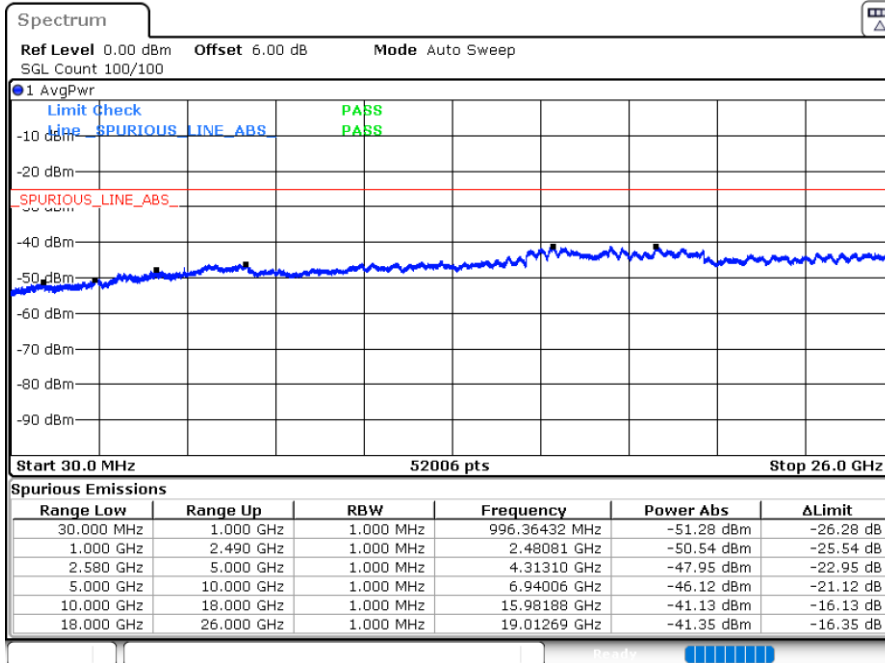
Middle Channel / QPSK



Date: 2.DEC.2024 07:25:39

Date: 2.DEC.2024 07:28:33

Highest Channel / QPSK



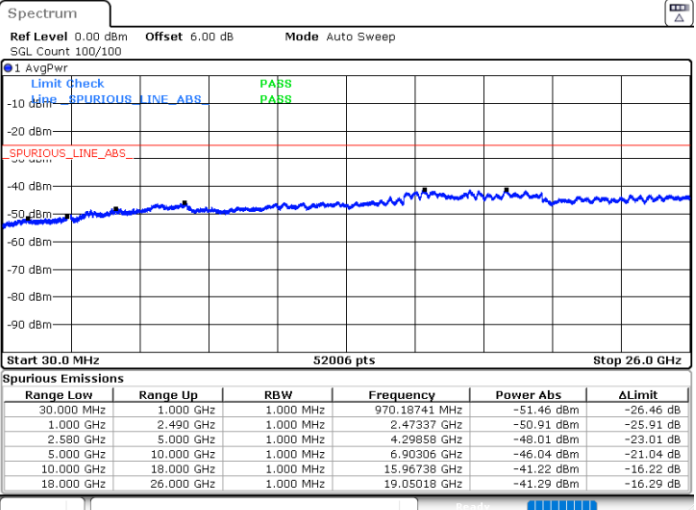
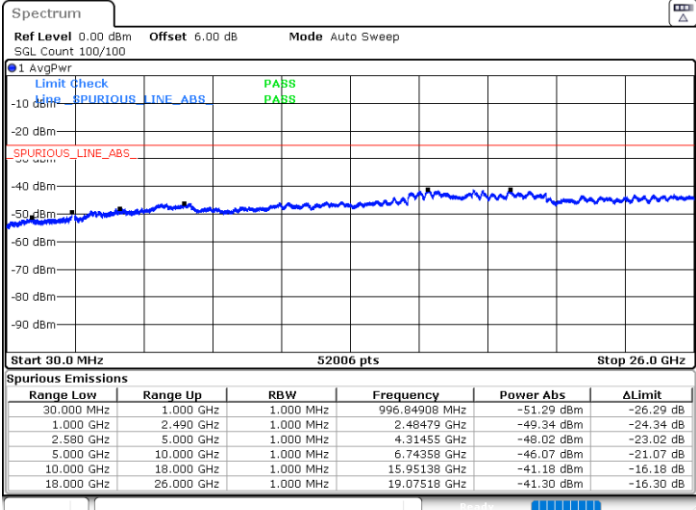
Date: 2.DEC.2024 07:29:48



LTE Band 7 / 15MHz

Lowest Channel / QPSK

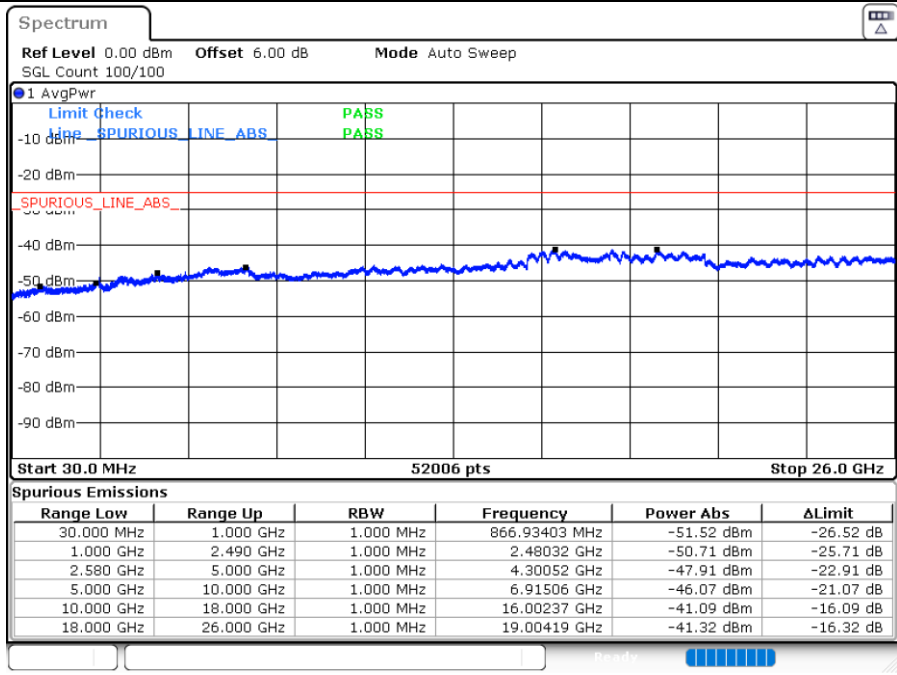
Middle Channel / QPSK



Date: 2.DEC.2024 07:31:46

Date: 2.DEC.2024 07:33:02

Highest Channel / QPSK



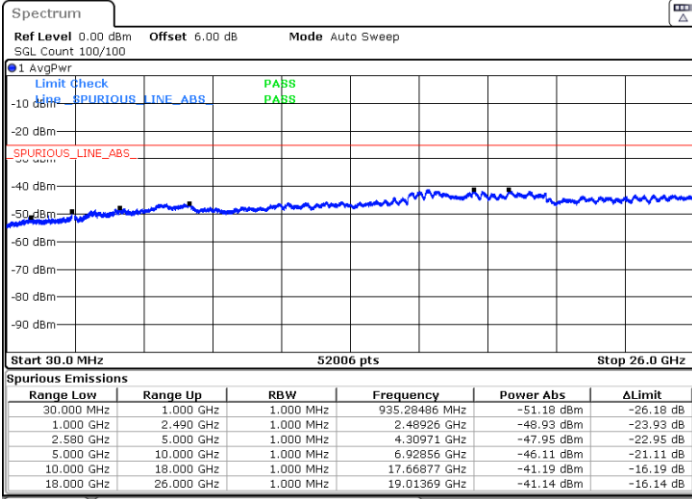
Date: 2.DEC.2024 07:34:17



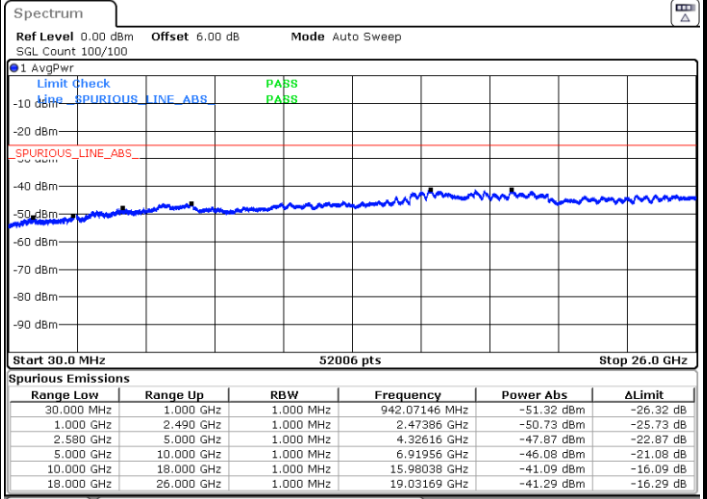
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

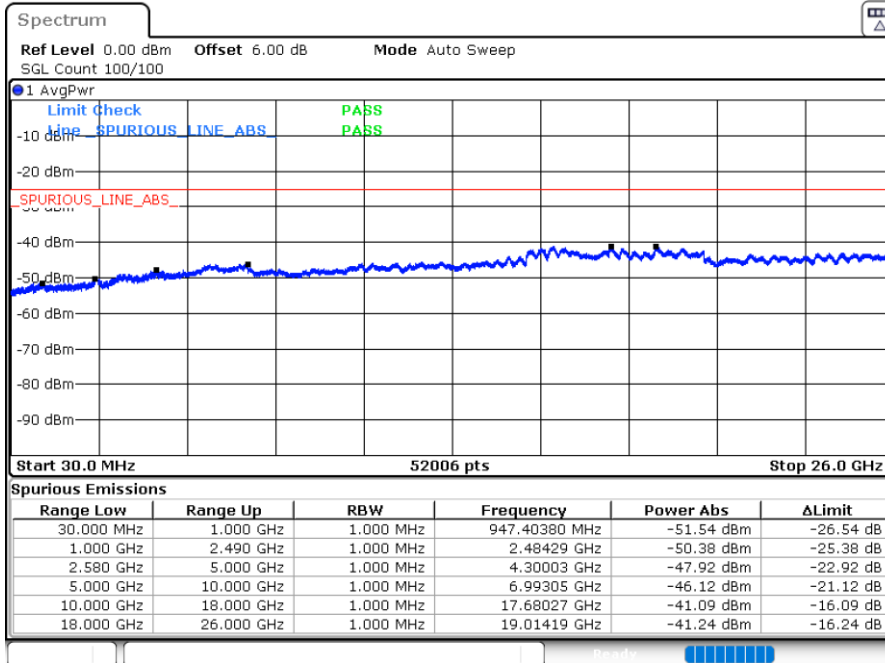


Date: 2.DEC.2024 07:36:15



Date: 2.DEC.2024 07:37:30

Highest Channel / QPSK



Date: 2.DEC.2024 07:40:24



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0037	
-30	Normal Voltage	0.0064	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note:

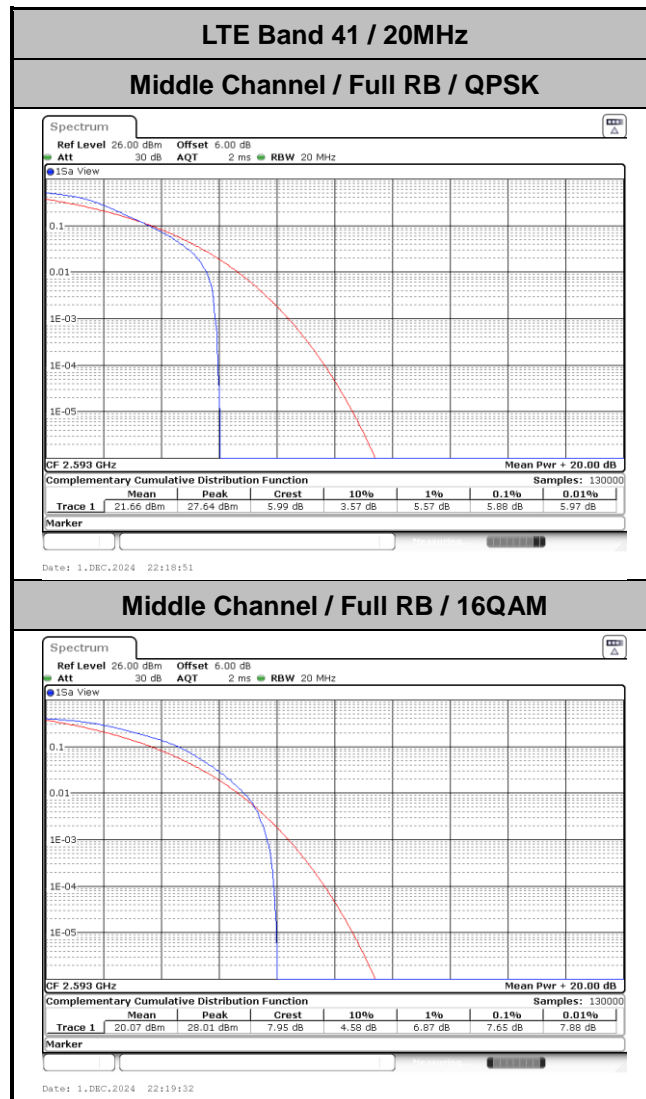
1. Normal Voltage =3.86 V.; Battery End Point (BEP) =3.5 V.; Maximum Voltage =4.53 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

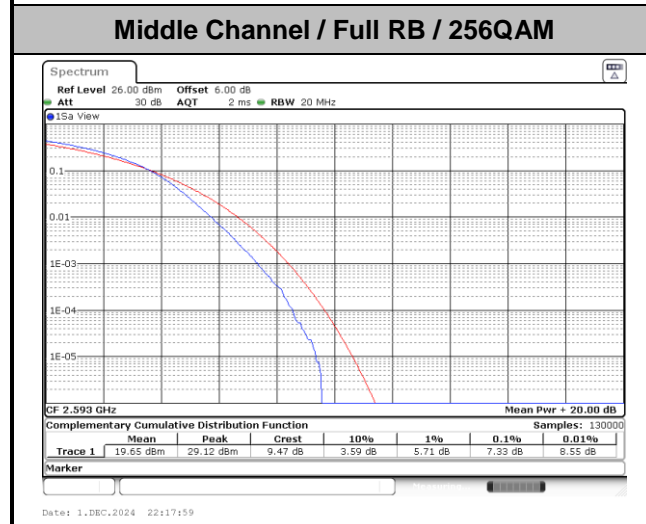
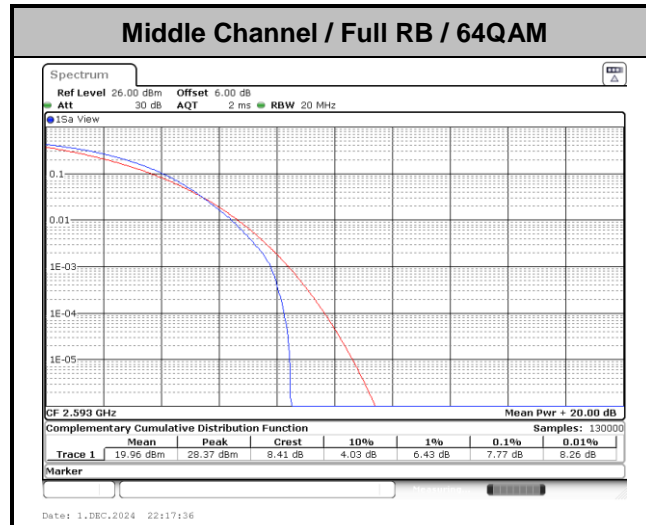


LTE Band 41

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.88	7.65	7.77	7.33	PASS

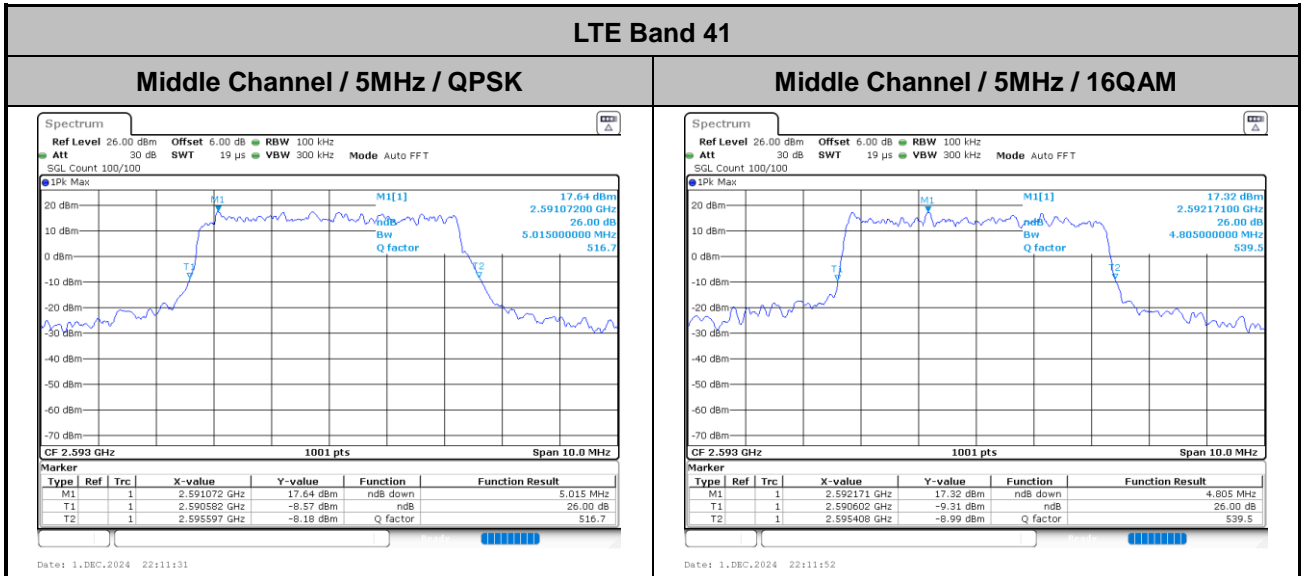






26dB Bandwidth

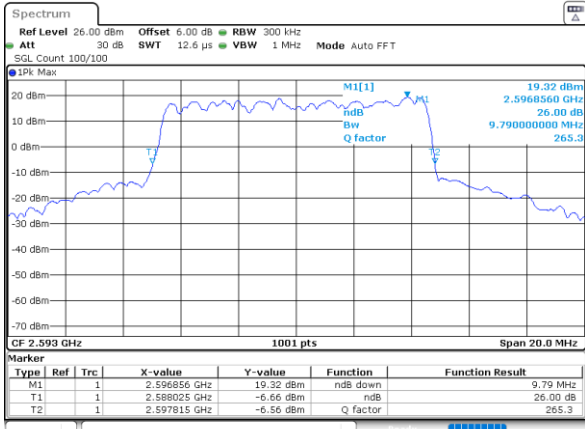
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.02	4.81
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.79	9.81
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.15	14.33
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.90	18.78





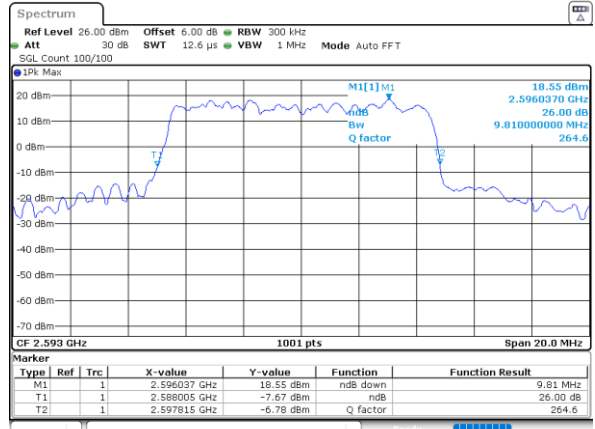
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 1.DEC.2024 22:12:56

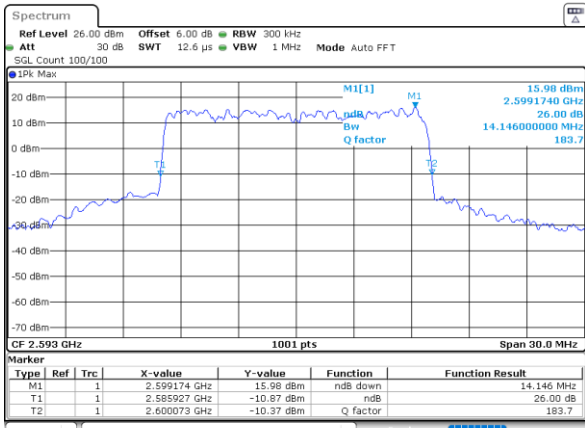
Middle Channel / 10MHz / 16QAM



Date: 1.DEC.2024 22:13:17

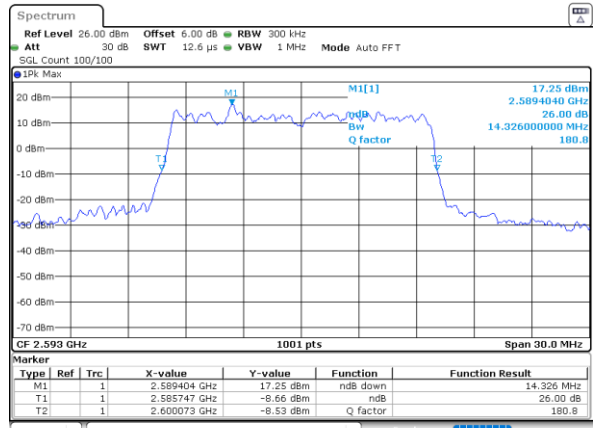
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 1.DEC.2024 22:14:21

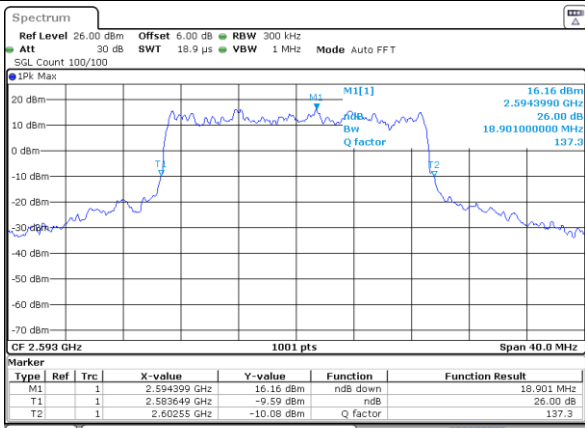
Middle Channel / 15MHz / 16QAM



Date: 1.DEC.2024 22:14:42

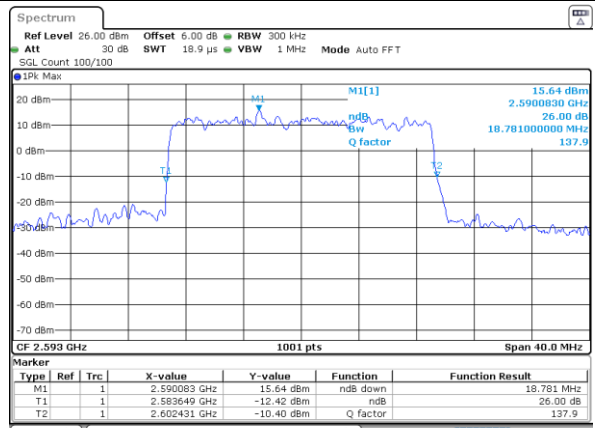
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 1.DEC.2024 22:15:46

Middle Channel / 20MHz / 16QAM

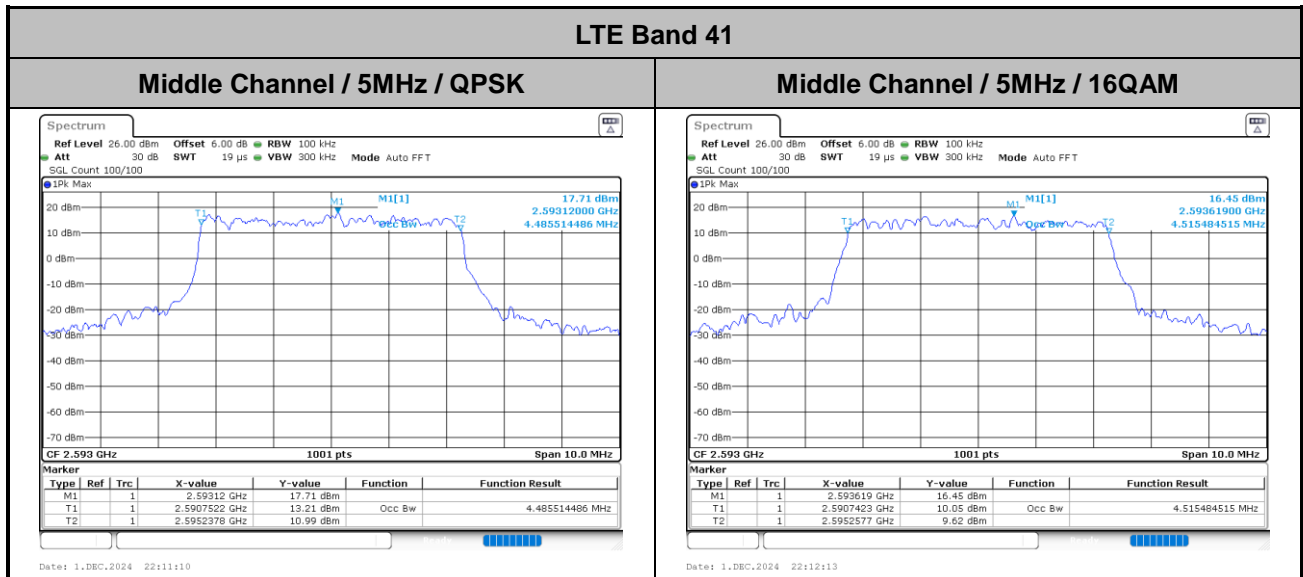


Date: 1.DEC.2024 22:16:07



Occupied Bandwidth

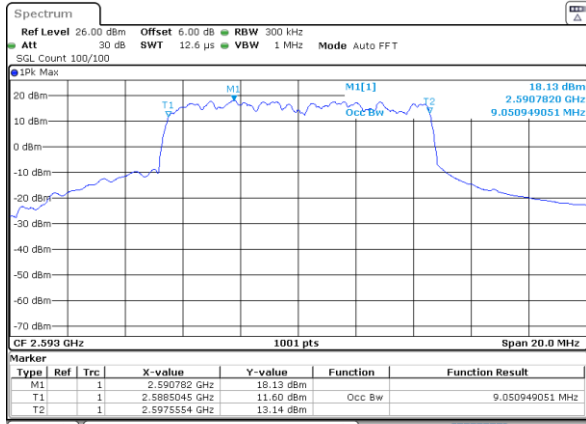
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.52
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.09
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.55	13.40
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.86





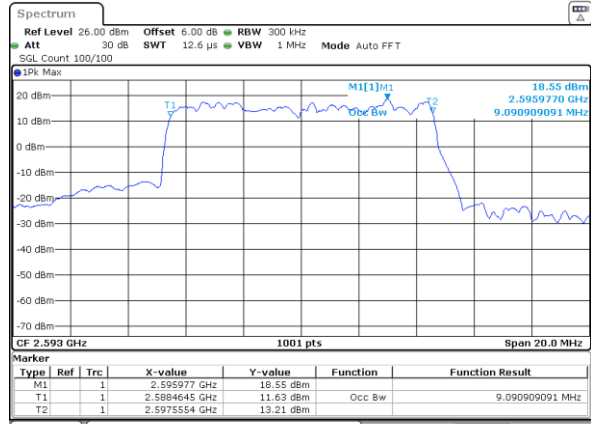
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 1.DEC.2024 22:12:35

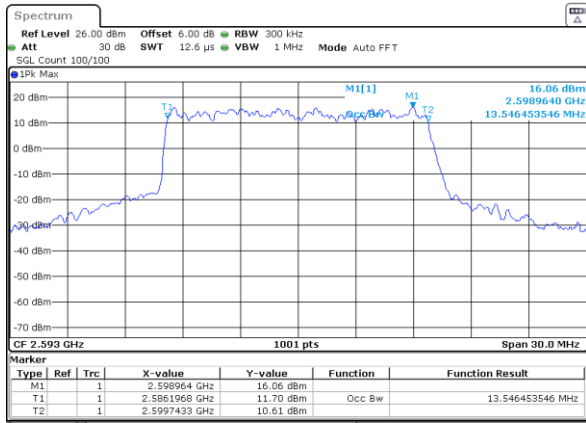
Middle Channel / 10MHz / 16QAM



Date: 1.DEC.2024 22:13:38

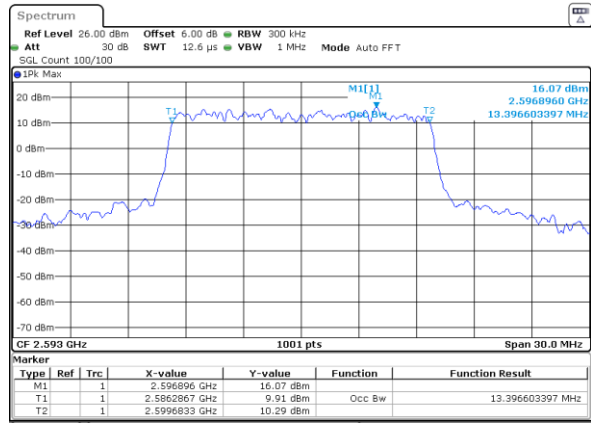
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 1.DEC.2024 22:14:00

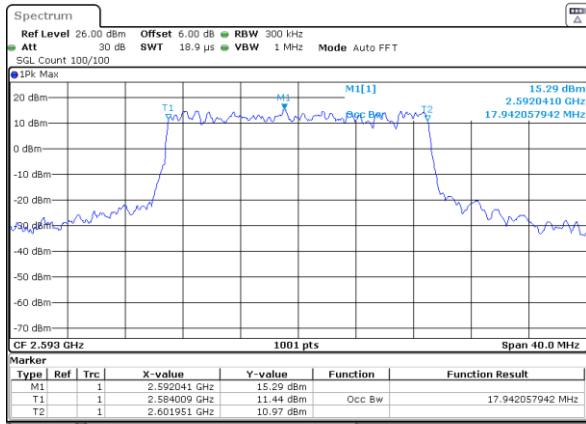
Middle Channel / 15MHz / 16QAM



Date: 1.DEC.2024 22:15:03

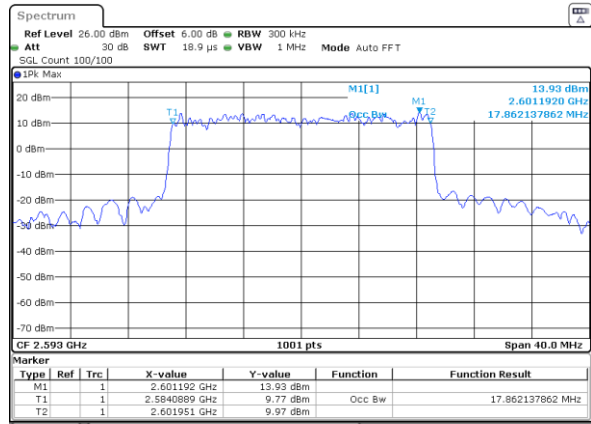
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 1.DEC.2024 22:15:25

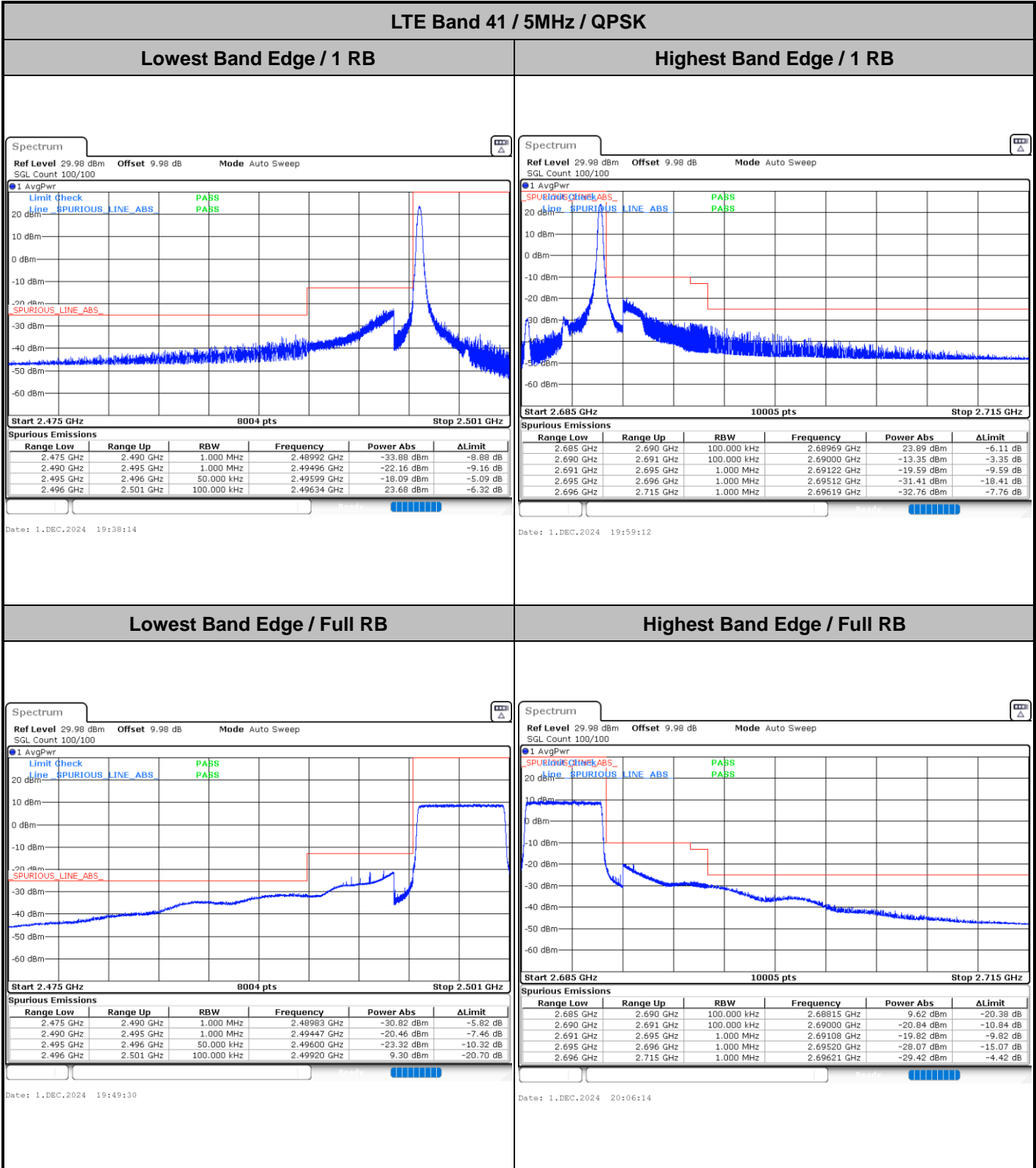
Middle Channel / 20MHz / 16QAM



Date: 1.DEC.2024 22:16:28



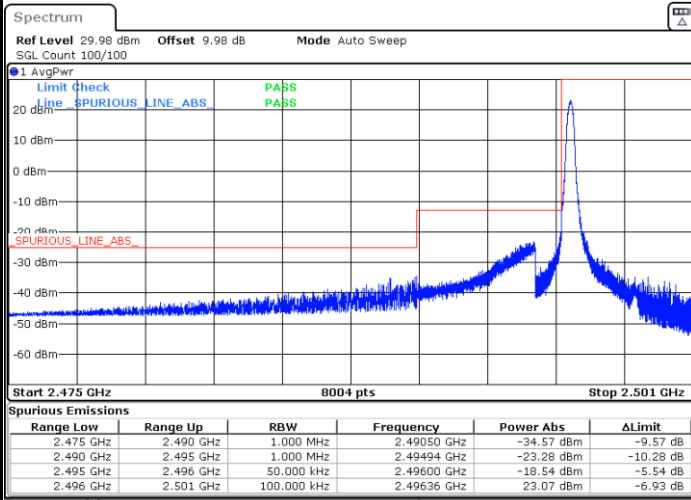
Conducted Band Edge





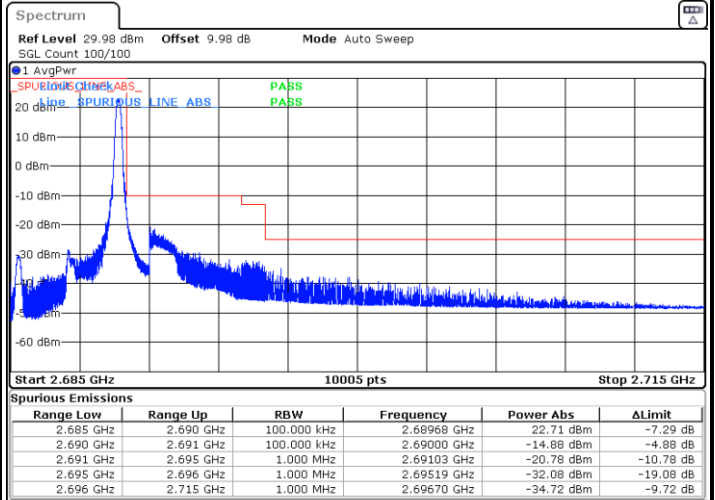
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



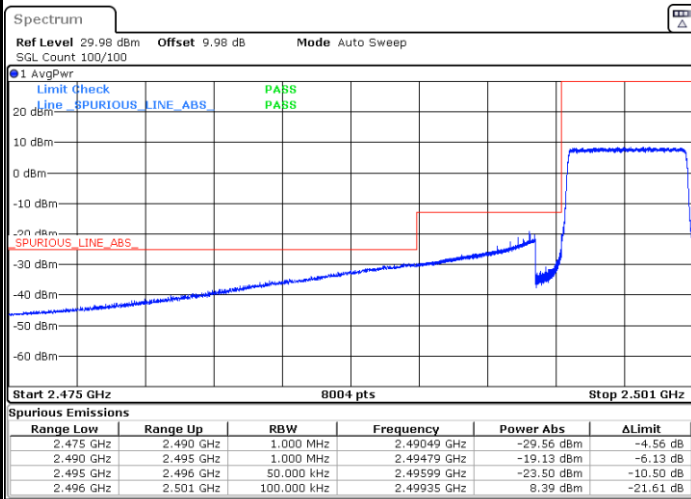
Date: 1.DEC.2024 19:39:59

Highest Band Edge / 1 RB



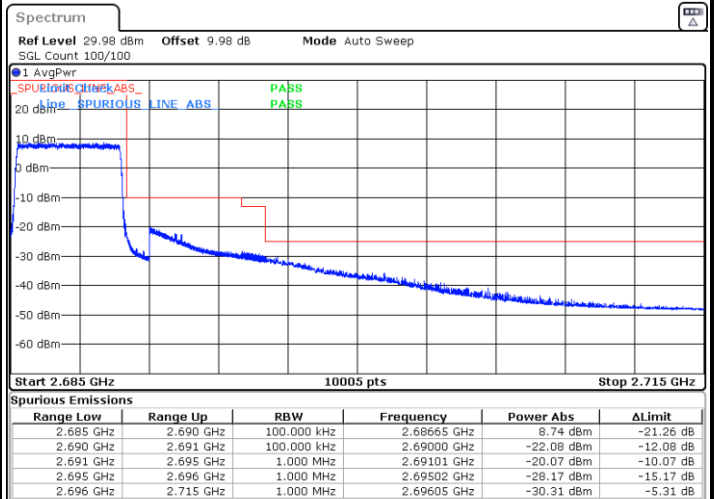
Date: 1.DEC.2024 20:00:57

Lowest Band Edge / Full RB



Date: 1.DEC.2024 19:54:47

Highest Band Edge / Full RB

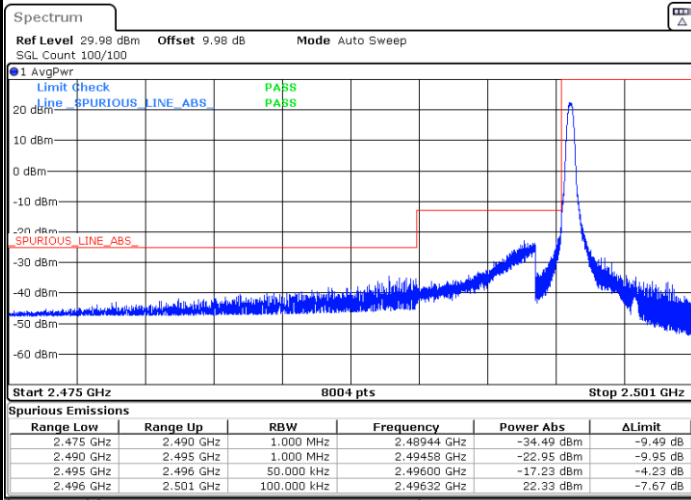


Date: 1.DEC.2024 20:11:30



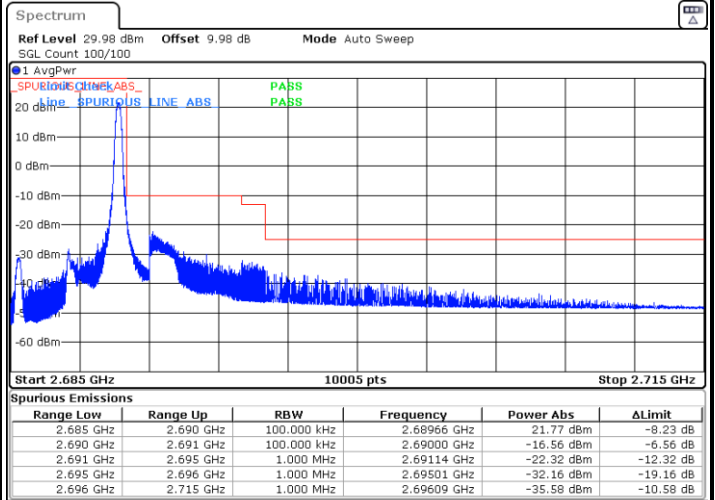
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



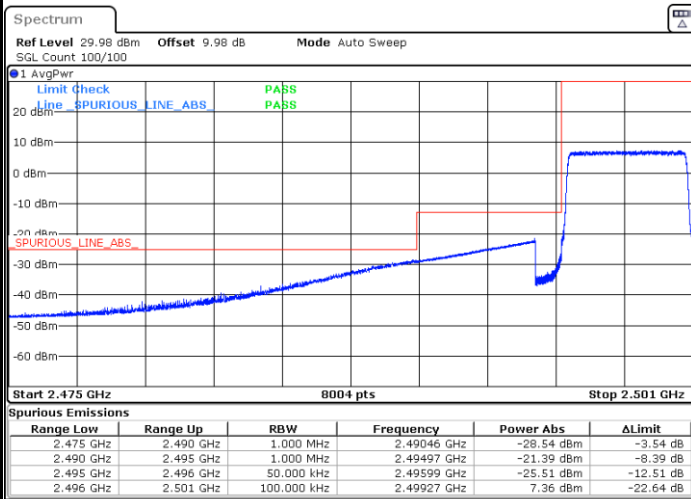
Date: 1.DEC.2024 19:41:45

Highest Band Edge / 1 RB



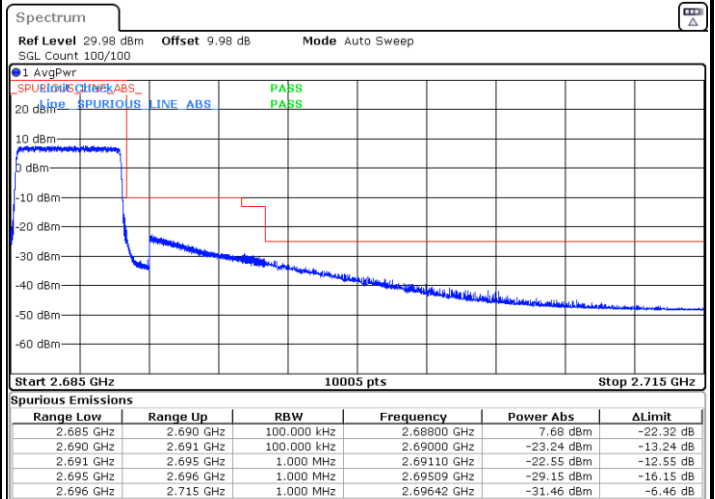
Date: 1.DEC.2024 20:02:43

Lowest Band Edge / Full RB



Date: 1.DEC.2024 19:53:01

Highest Band Edge / Full RB

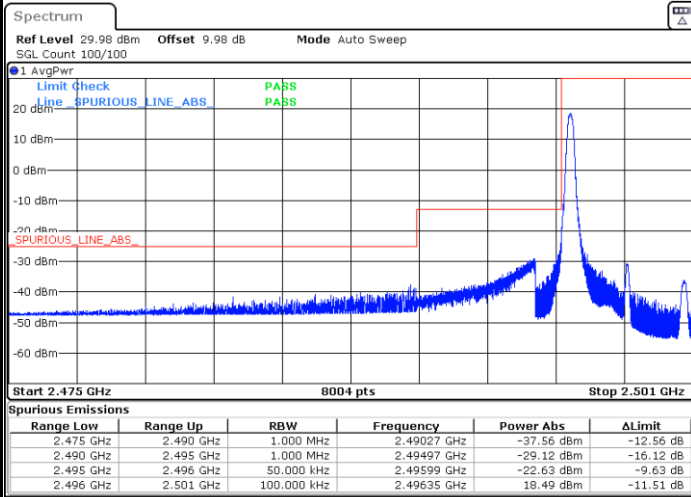


Date: 1.DEC.2024 20:09:44



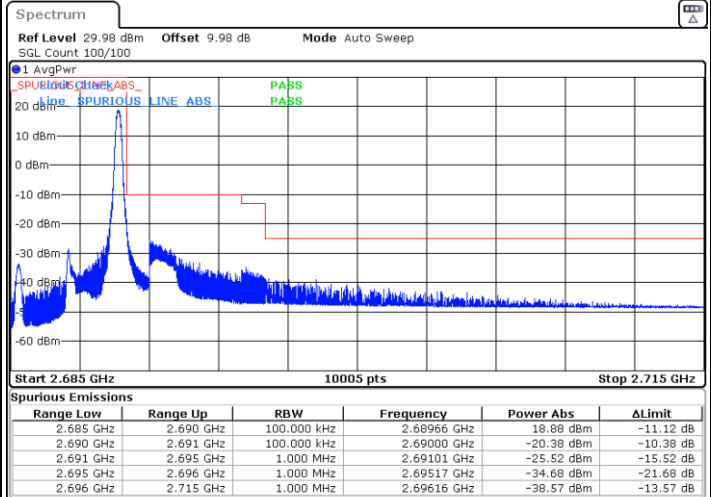
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



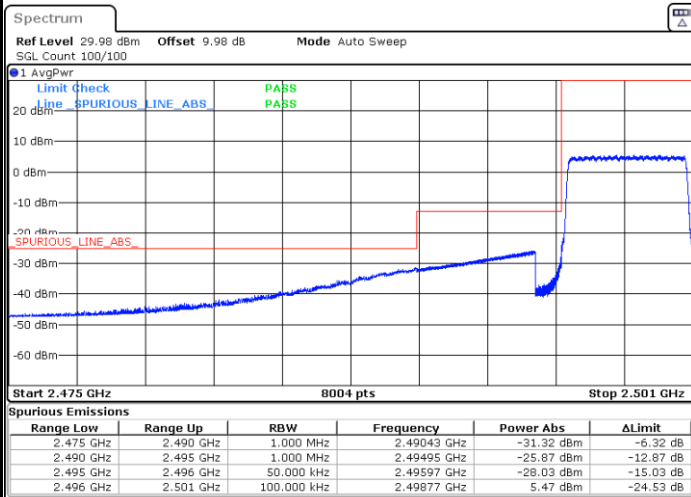
Date: 1.DEC.2024 19:47:45

Highest Band Edge / 1 RB



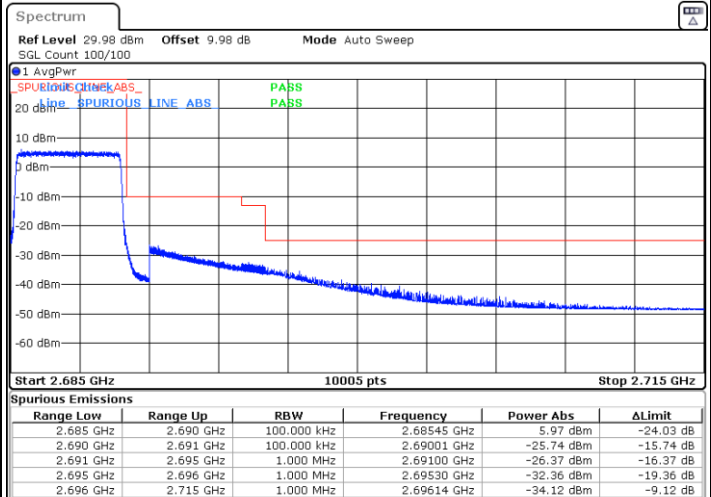
Date: 1.DEC.2024 20:04:28

Lowest Band Edge / Full RB



Date: 1.DEC.2024 19:51:16

Highest Band Edge / Full RB

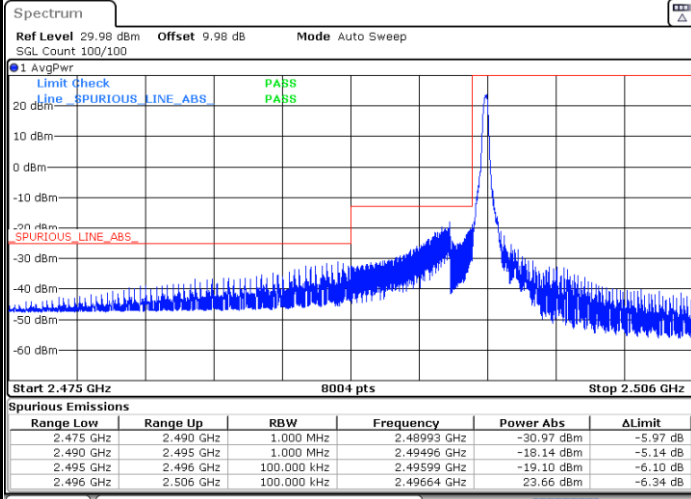


Date: 1.DEC.2024 20:07:59

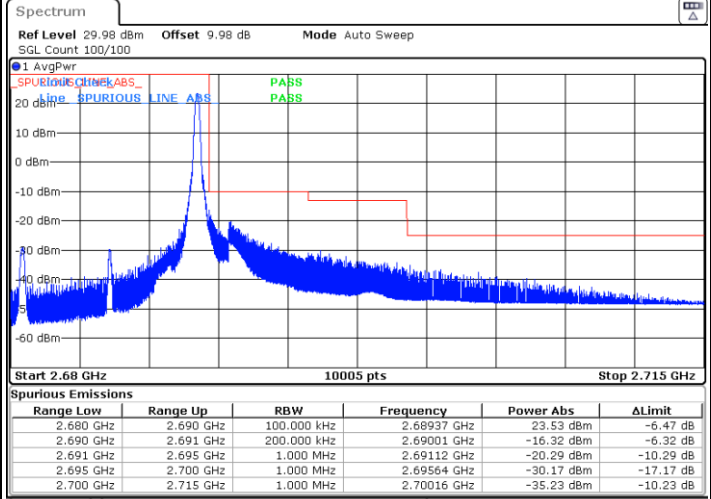


LTE Band 41 / 10MHz / QPSK

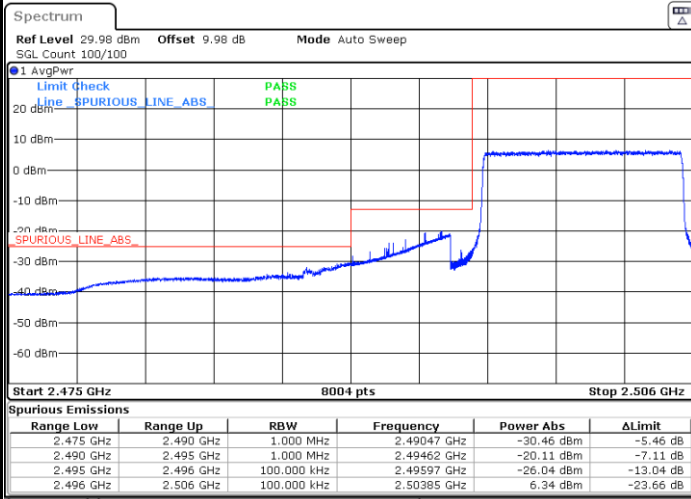
Lowest Band Edge / 1 RB



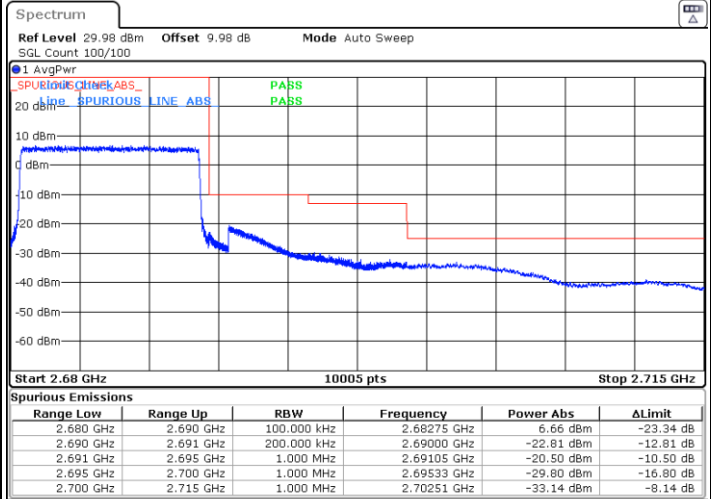
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



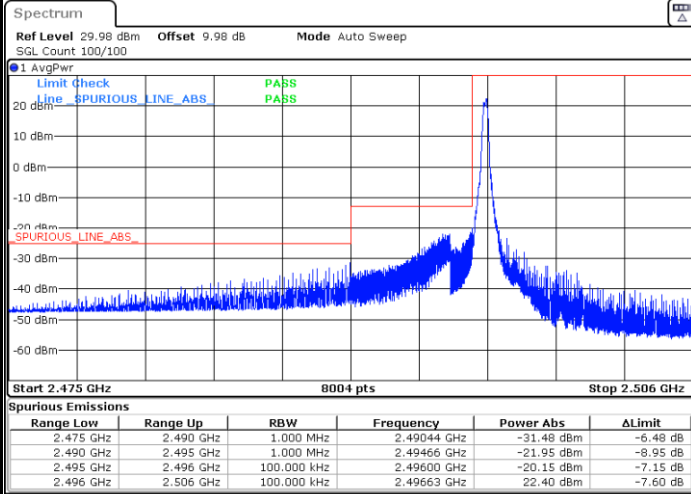
Highest Band Edge / Full RB





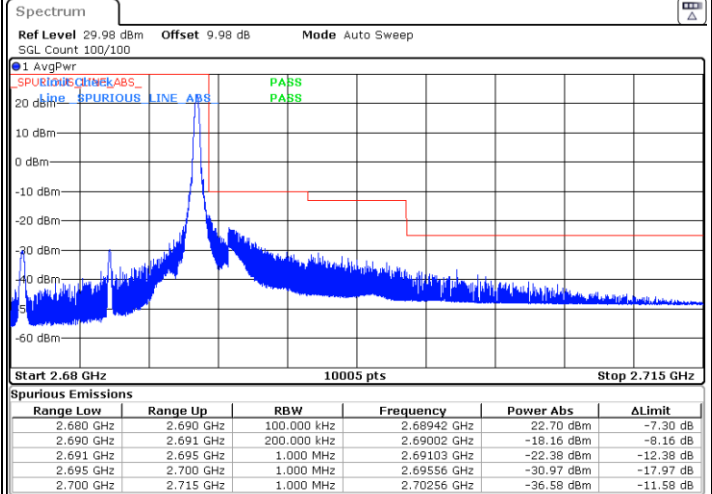
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



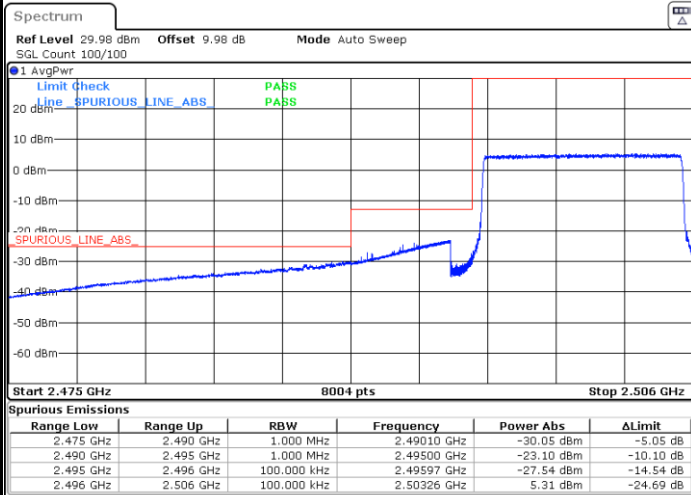
Date: 1.DEC.2024 20:16:22

Highest Band Edge / 1 RB



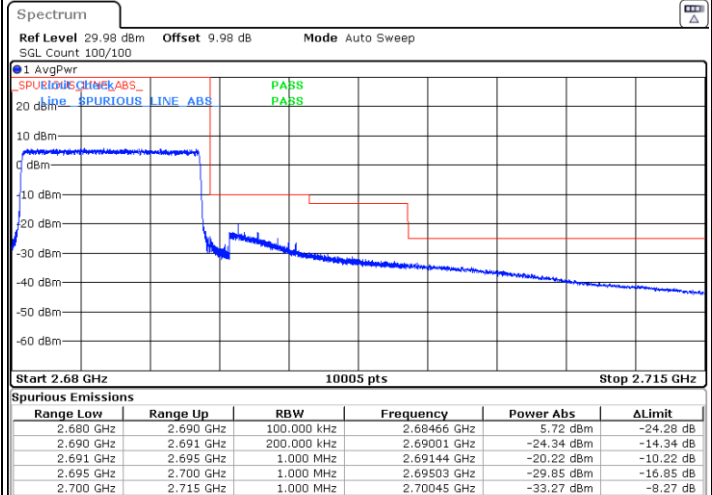
Date: 1.DEC.2024 20:39:59

Lowest Band Edge / Full RB



Date: 1.DEC.2024 20:30:17

Highest Band Edge / Full RB

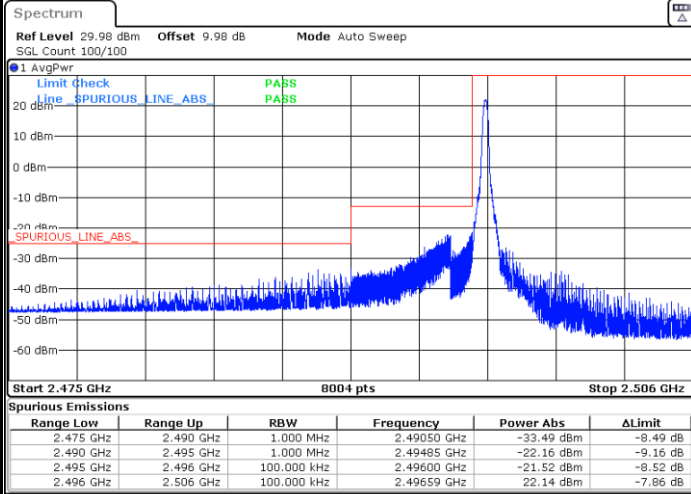


Date: 1.DEC.2024 20:47:01



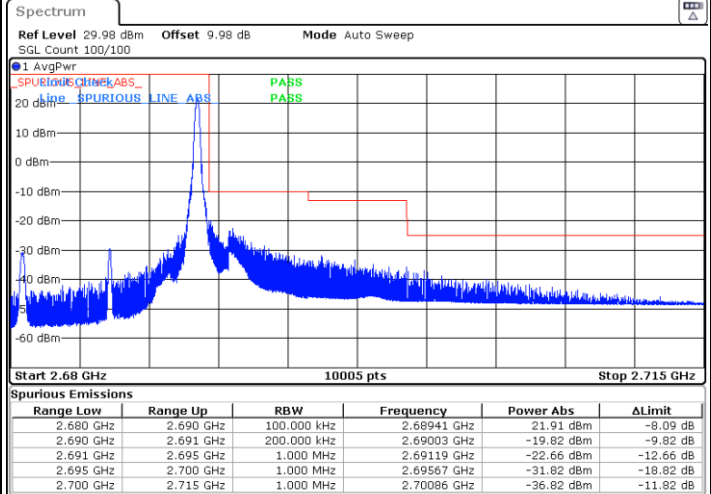
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



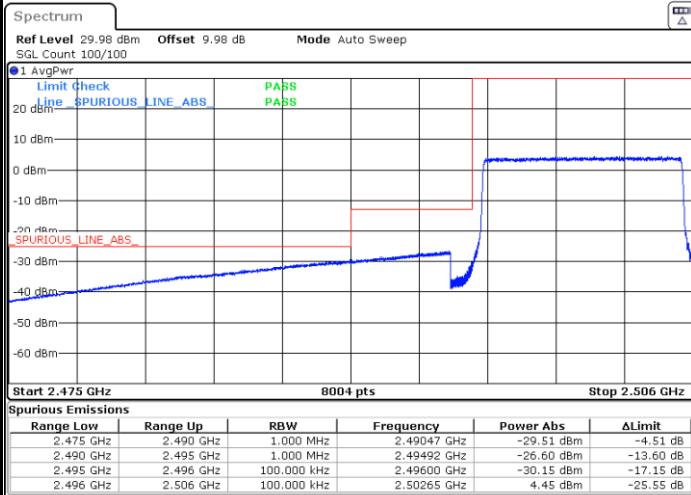
Date: 1.DEC.2024 20:18:07

Highest Band Edge / 1 RB



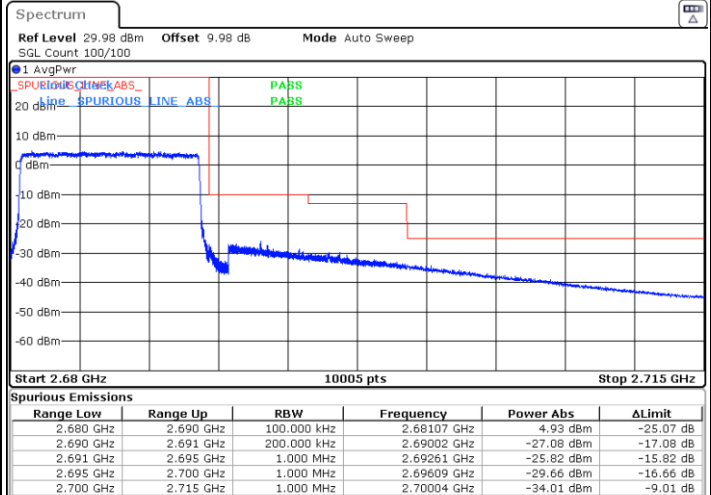
Date: 1.DEC.2024 20:41:44

Lowest Band Edge / Full RB



Date: 1.DEC.2024 20:32:03

Highest Band Edge / Full RB

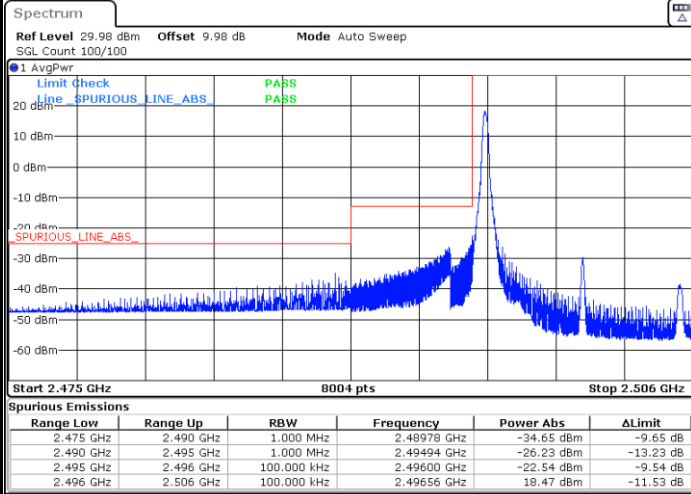


Date: 1.DEC.2024 20:48:46



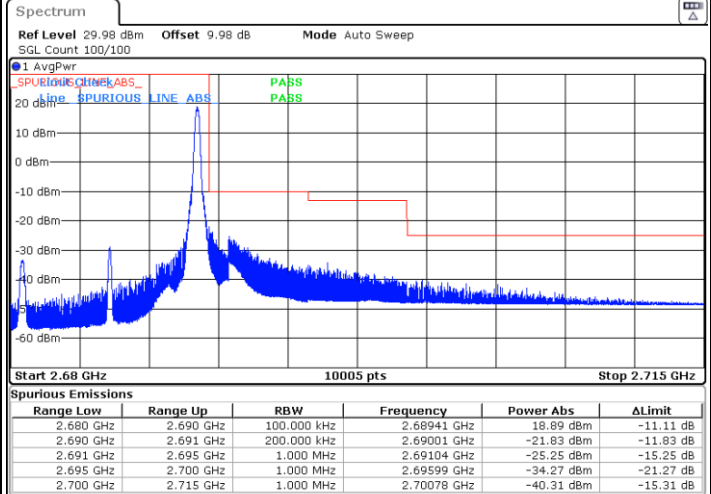
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1RB



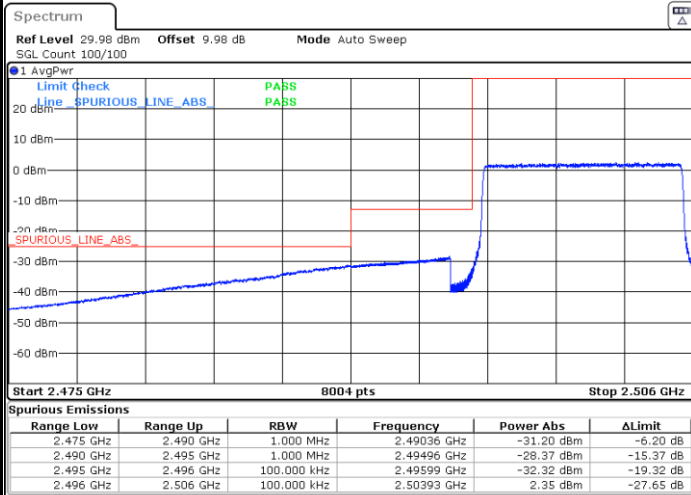
Date: 1.DEC.2024 20:19:53

Highest Band Edge / 1 RB



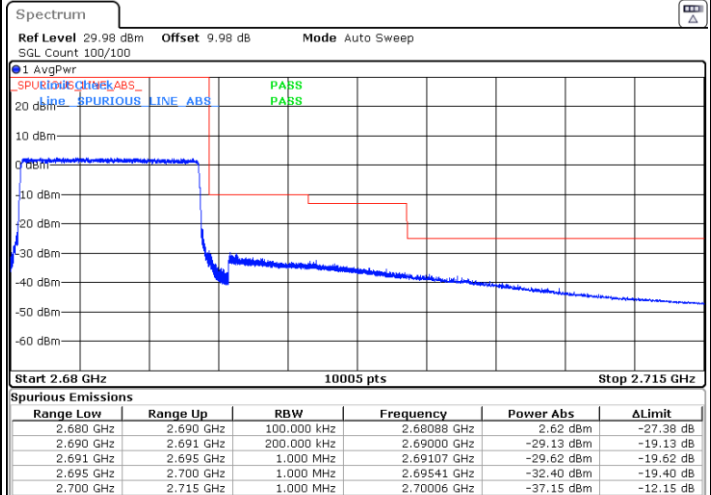
Date: 1.DEC.2024 20:43:30

Lowest Band Edge / Full RB



Date: 1.DEC.2024 20:33:48

Highest Band Edge / Full RB

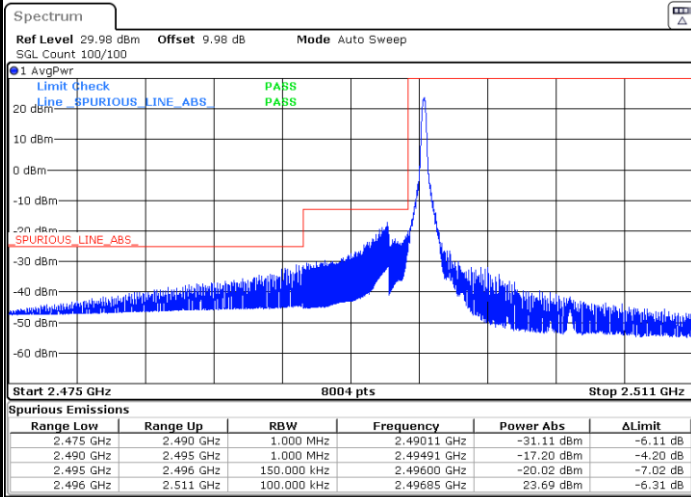


Date: 1.DEC.2024 20:50:32



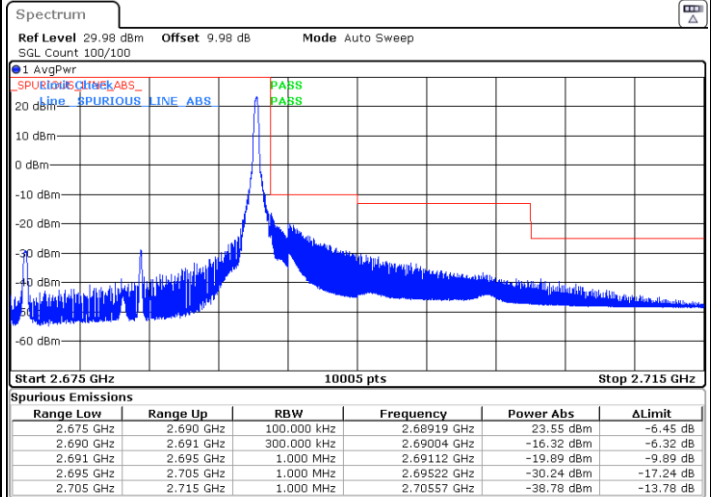
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



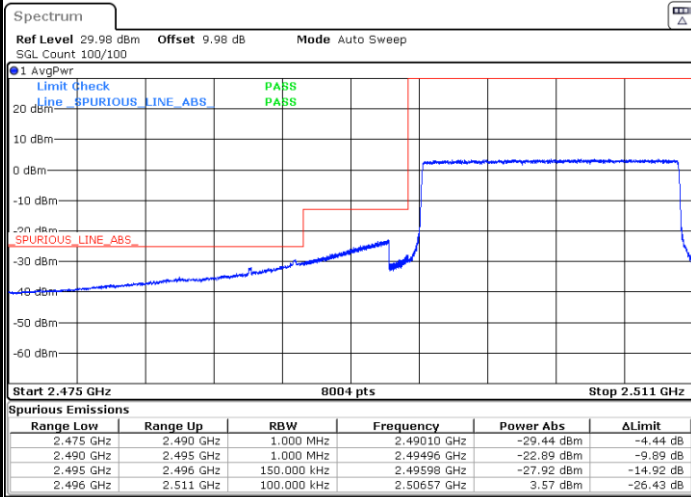
Date: 1.DEC.2024 20:53:38

Highest Band Edge / 1 RB



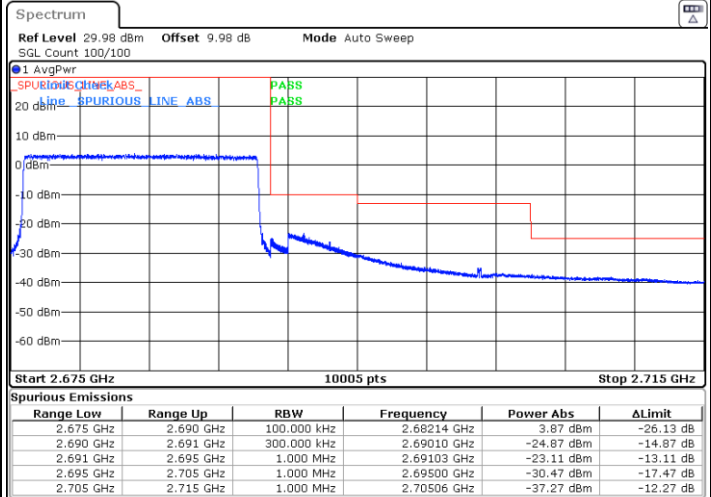
Date: 1.DEC.2024 21:10:23

Lowest Band Edge / Full RB



Date: 1.DEC.2024 21:00:41

Highest Band Edge / Full RB

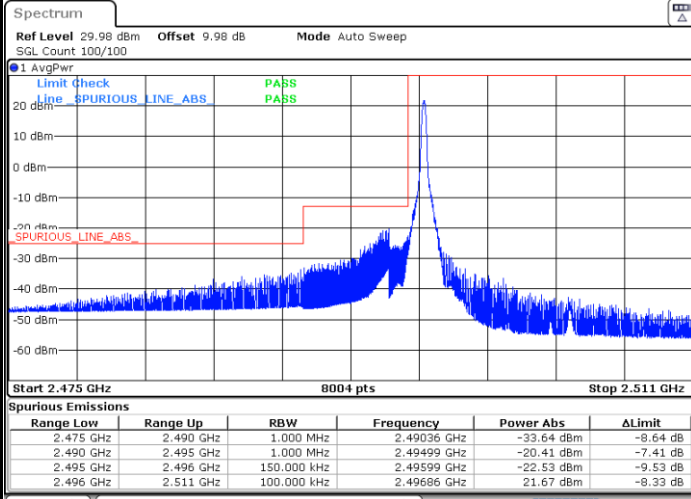


Date: 1.DEC.2024 21:17:24

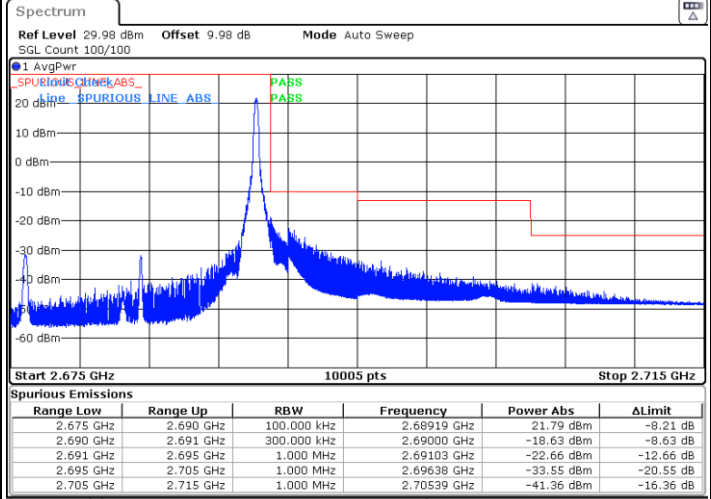


LTE Band 41 / 15MHz / 16QAM

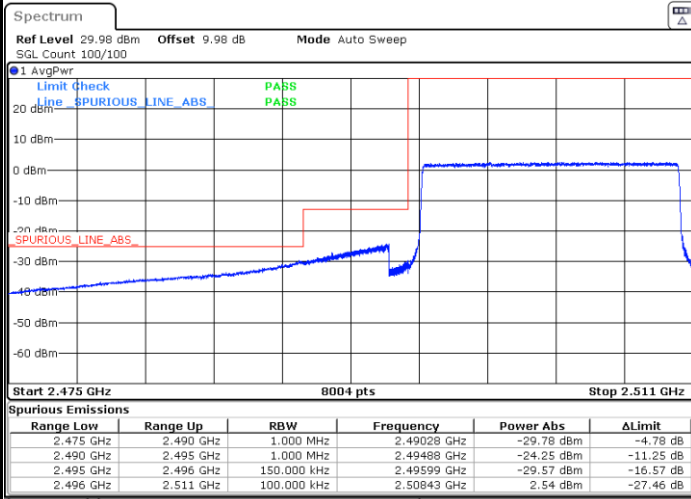
Lowest Band Edge / 1 RB



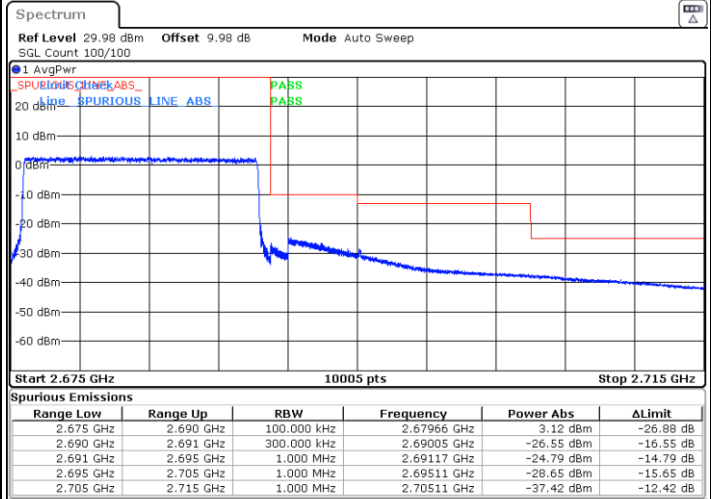
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



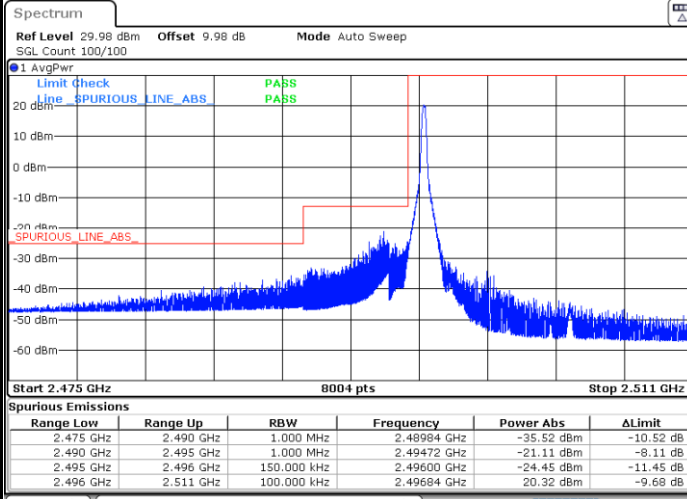
Highest Band Edge / Full RB





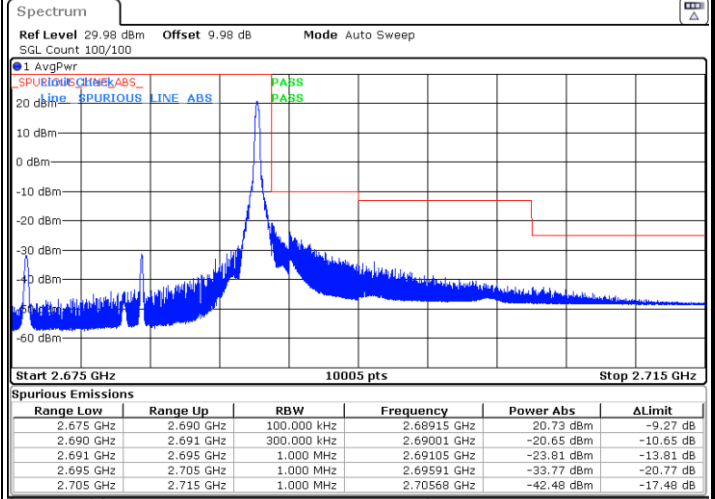
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



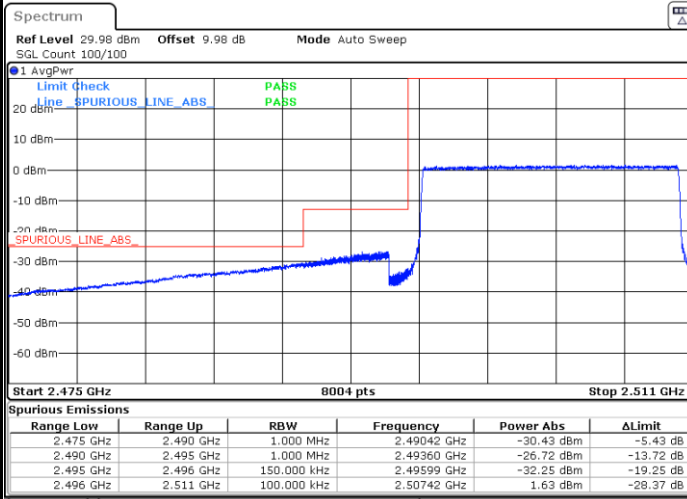
Date: 1.DEC.2024 20:57:09

Highest Band Edge / 1 RB



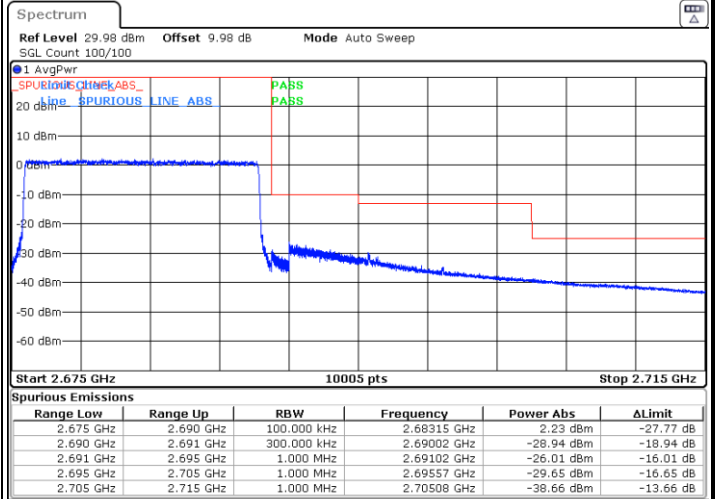
Date: 1.DEC.2024 21:13:54

Lowest Band Edge / Full RB



Date: 1.DEC.2024 21:04:12

Highest Band Edge / Full RB



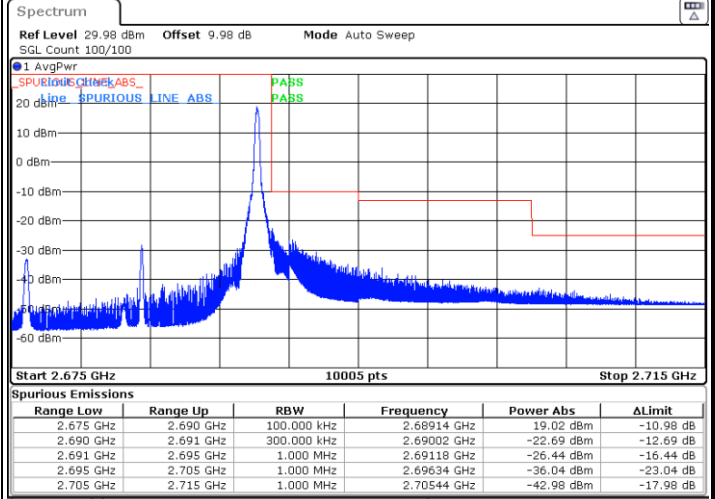
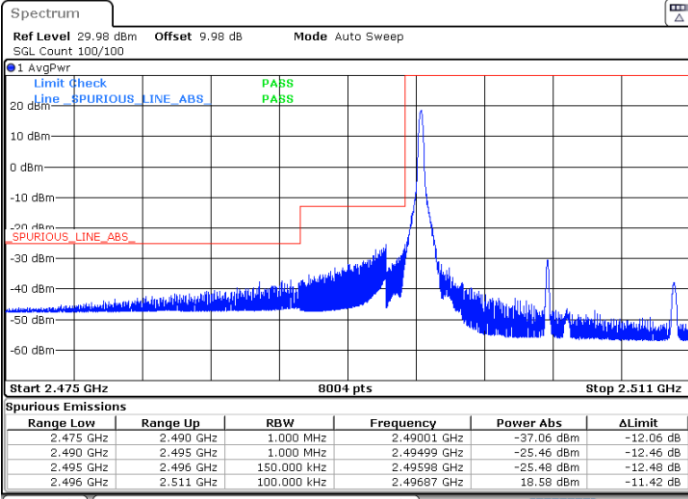
Date: 1.DEC.2024 21:20:55



LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

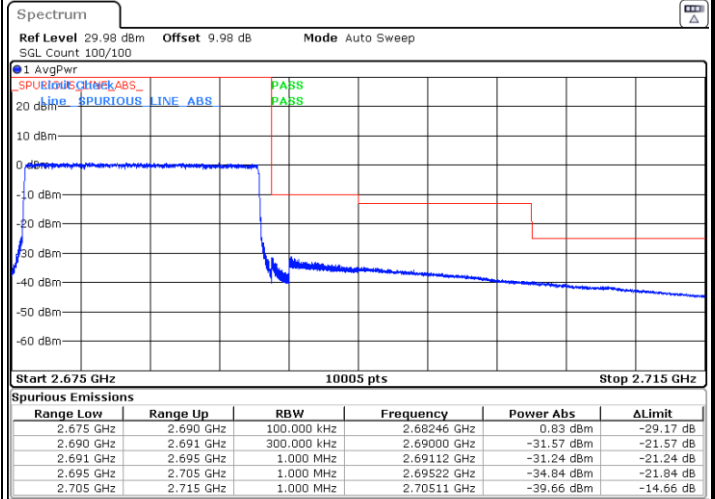
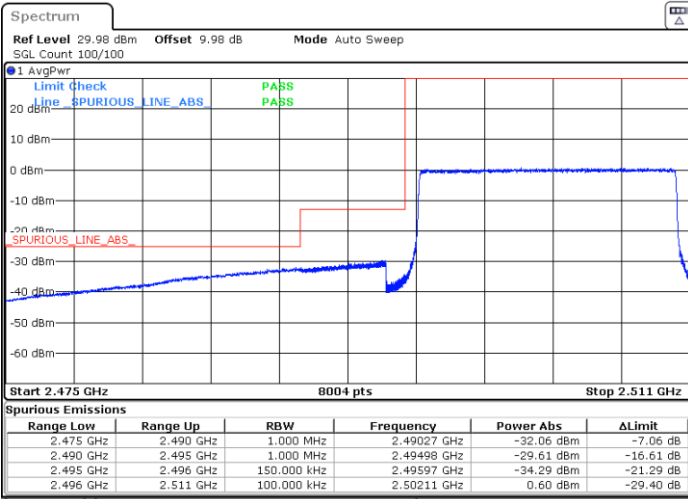


Date: 1.DEC.2024 20:58:55

Date: 1.DEC.2024 21:15:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.DEC.2024 21:05:57

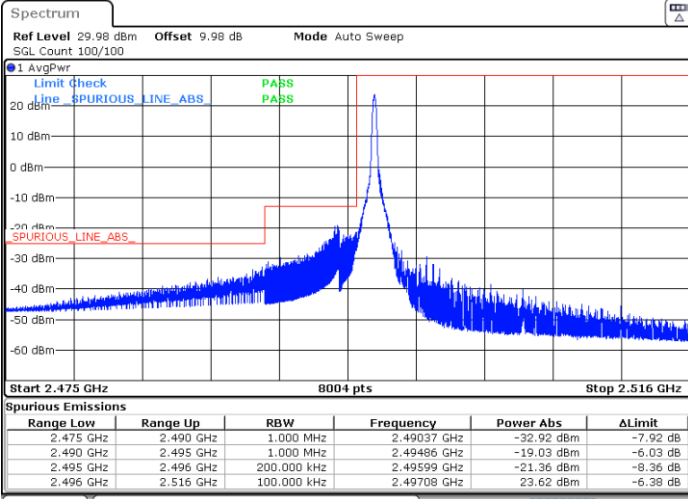
Date: 1.DEC.2024 21:22:41



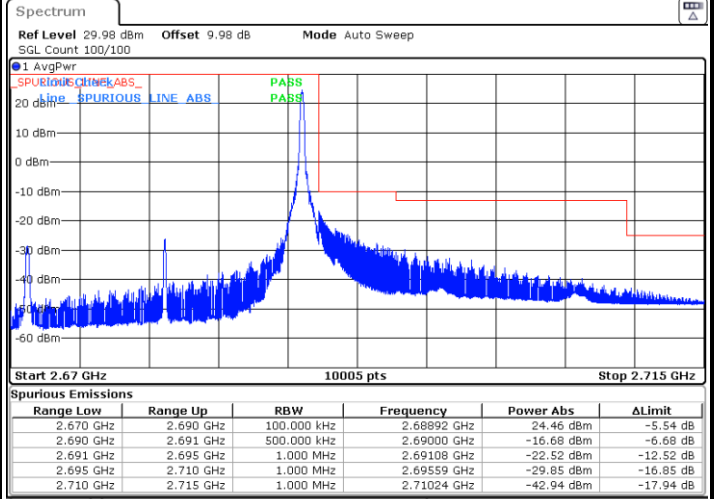
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



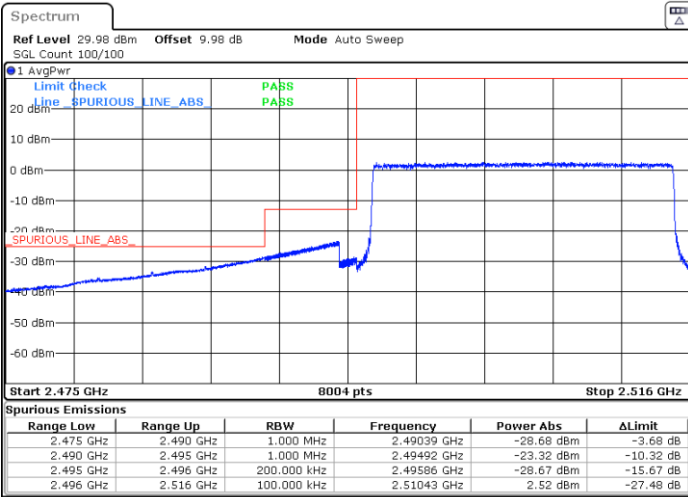
Date: 1.DEC.2024 21:25:47



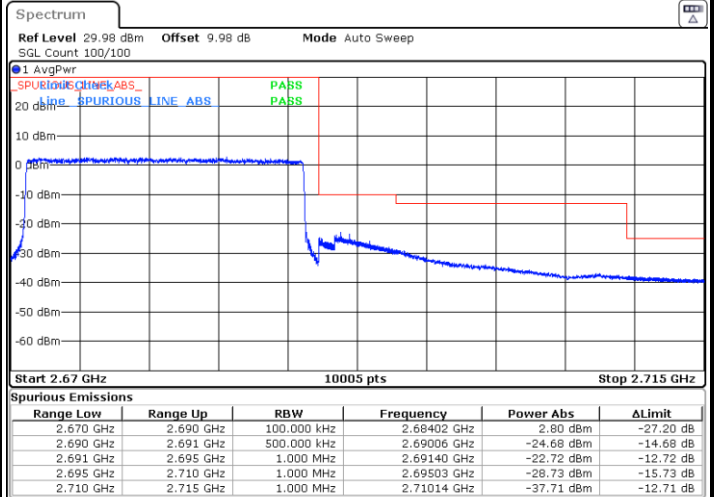
Date: 1.DEC.2024 21:42:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.DEC.2024 21:32:50



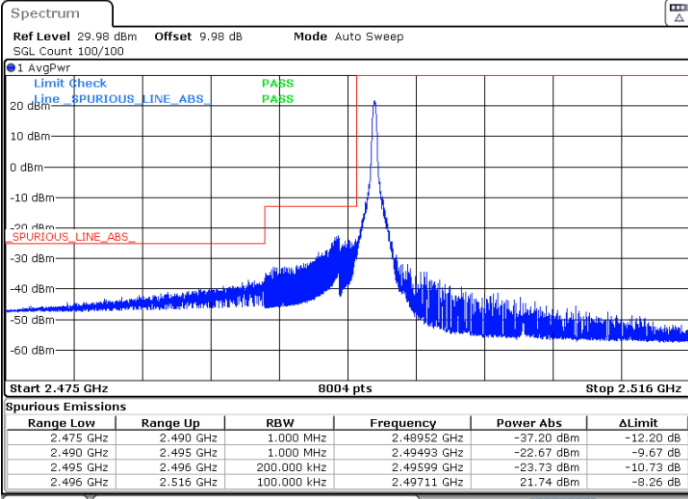
Date: 1.DEC.2024 22:00:10



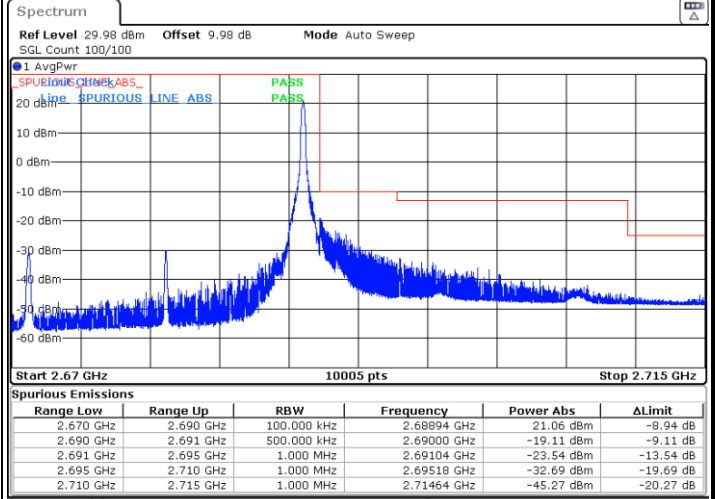
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



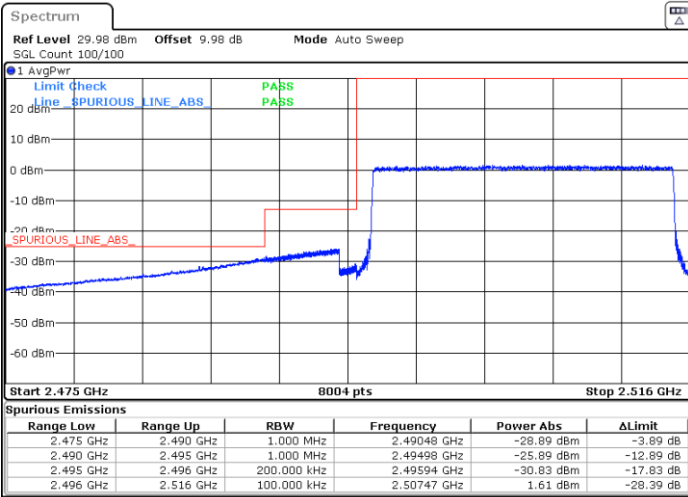
Date: 1.DEC.2024 21:27:33



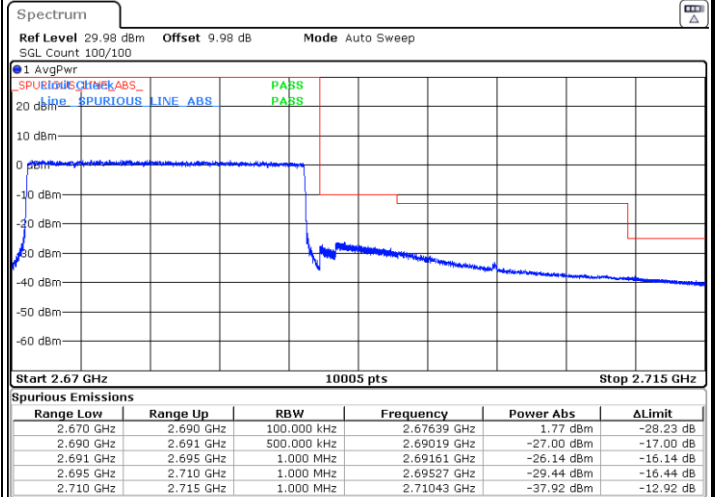
Date: 1.DEC.2024 21:44:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.DEC.2024 21:34:36

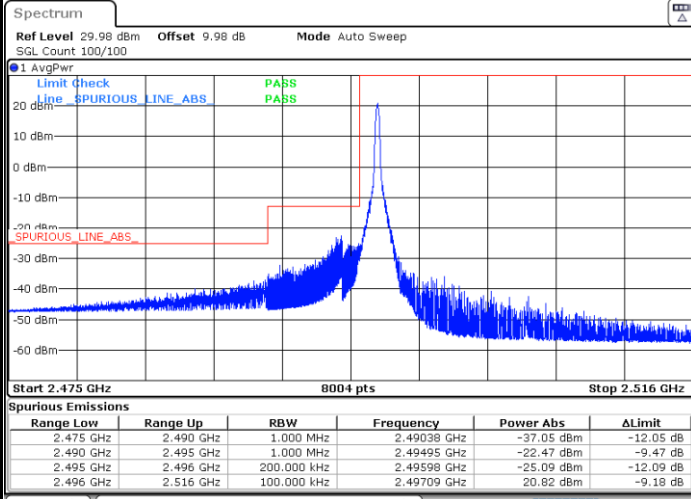


Date: 1.DEC.2024 22:01:55



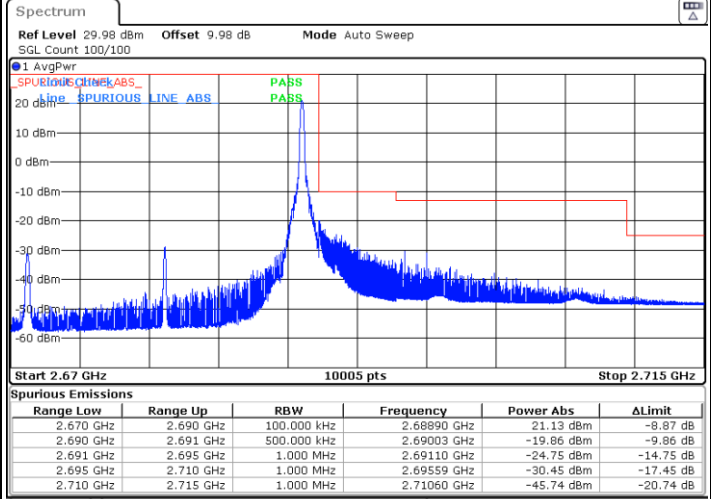
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



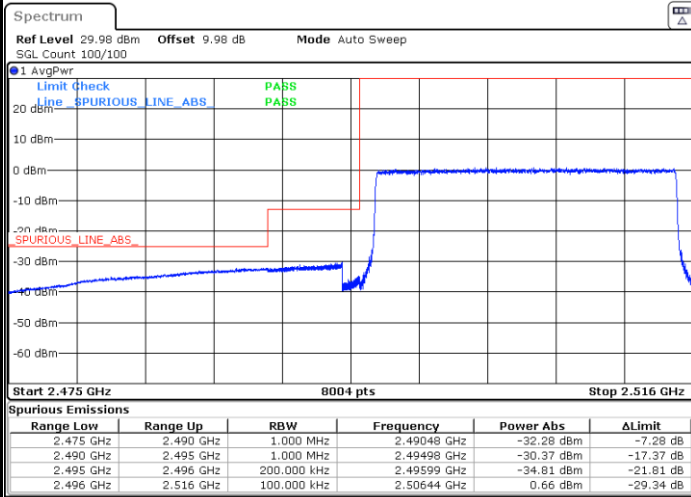
Date: 1.DEC.2024 21:29:18

Highest Band Edge / 1 RB



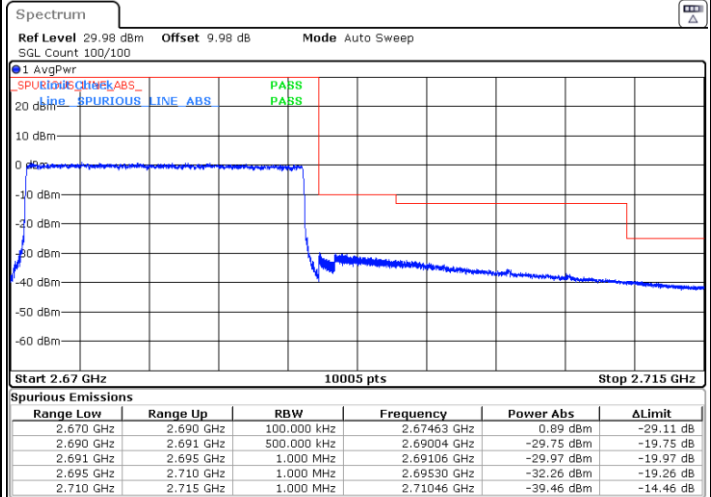
Date: 1.DEC.2024 21:46:04

Lowest Band Edge / Full RB



Date: 1.DEC.2024 21:36:22

Highest Band Edge / Full RB

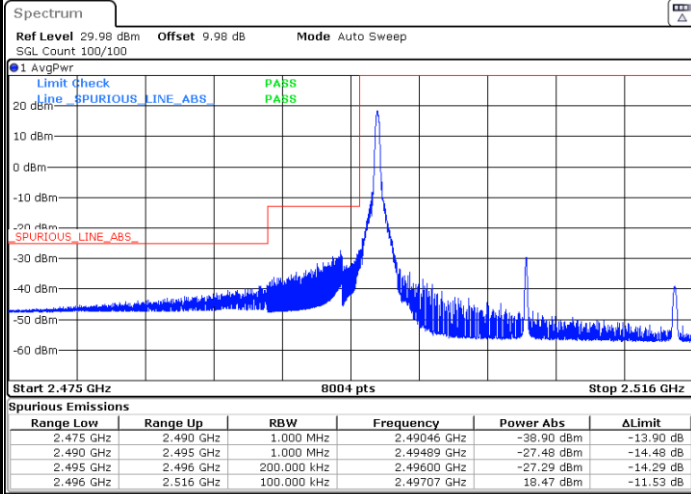


Date: 1.DEC.2024 22:03:40

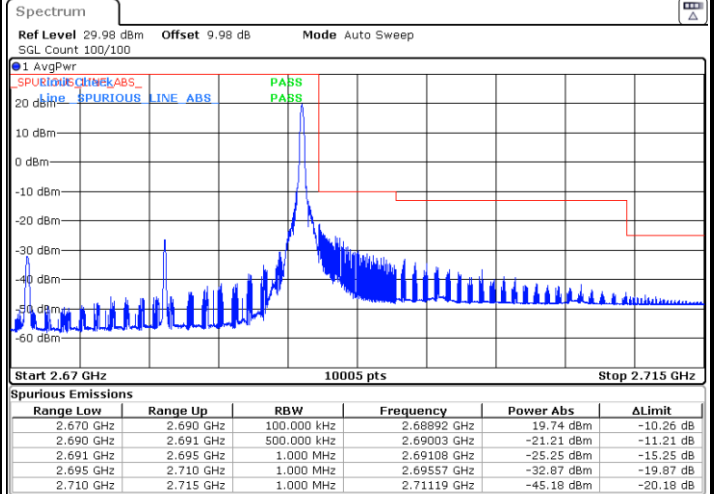


LTE Band 41 / 20MHz / 256QAM

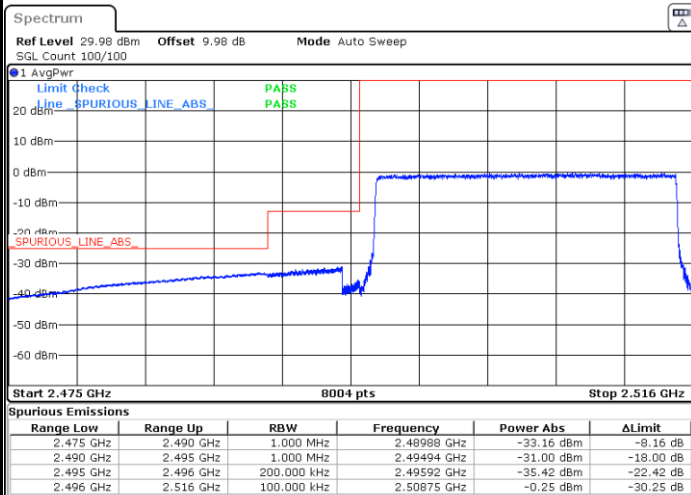
Lowest Band Edge / 1RB



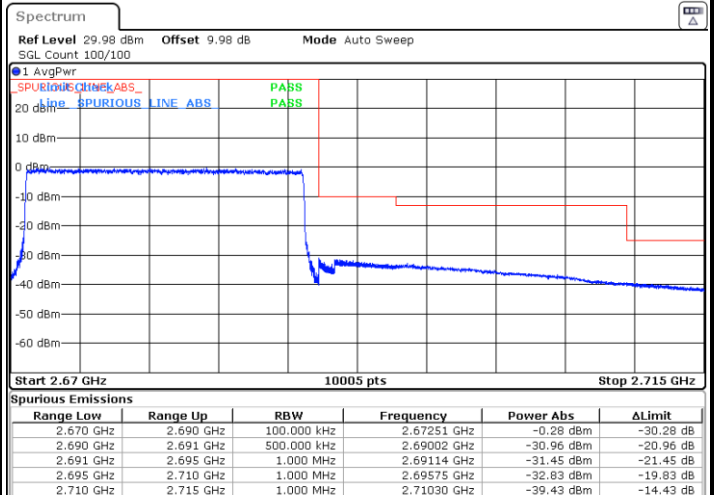
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

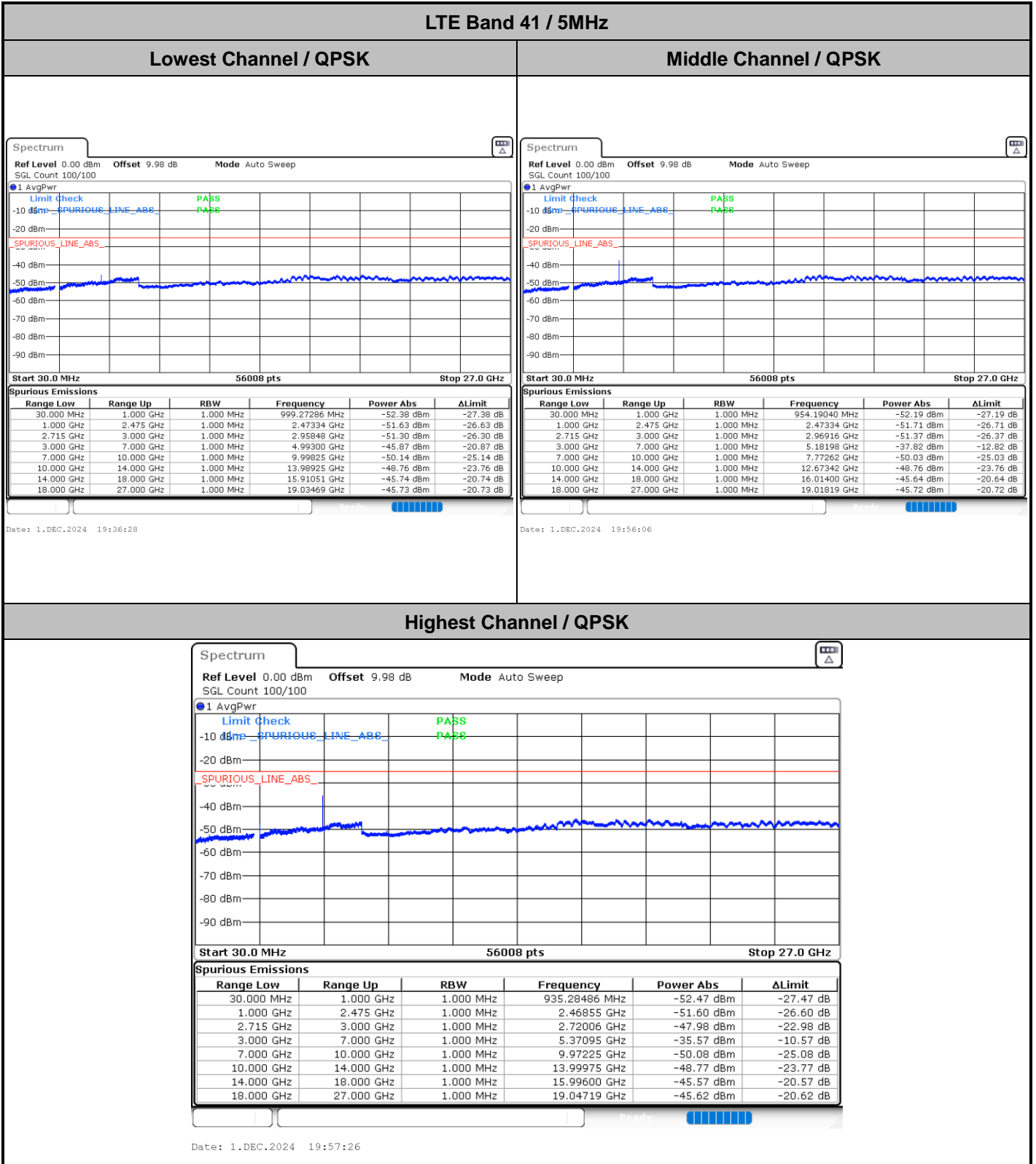


Highest Band Edge / Full RB





Conducted Spurious Emission

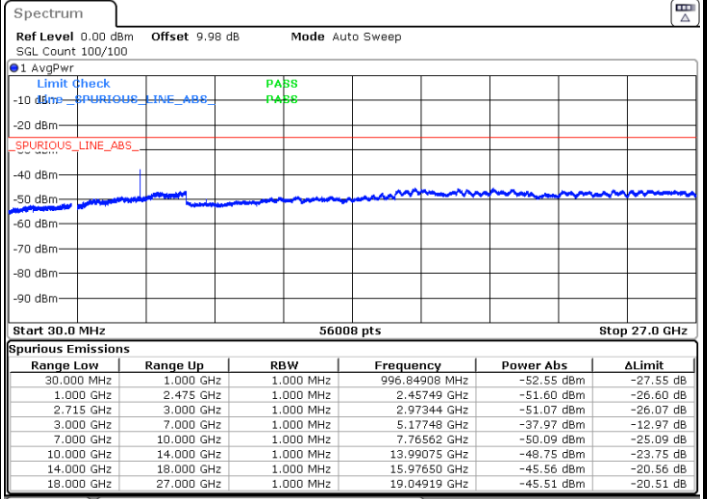
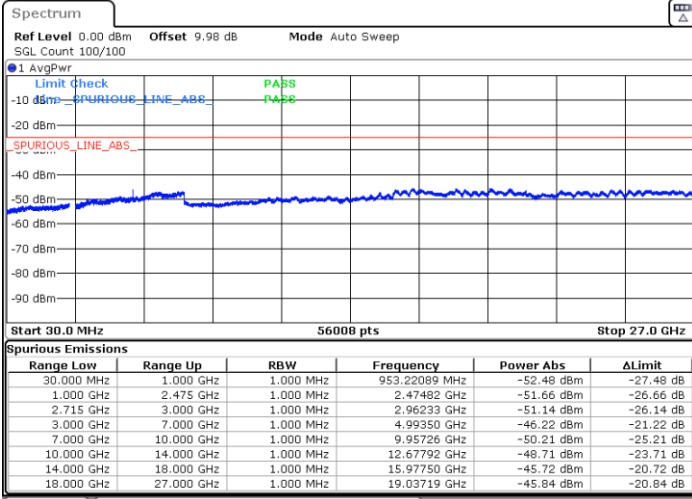




LTE Band 41 / 10MHz

Lowest Channel / QPSK

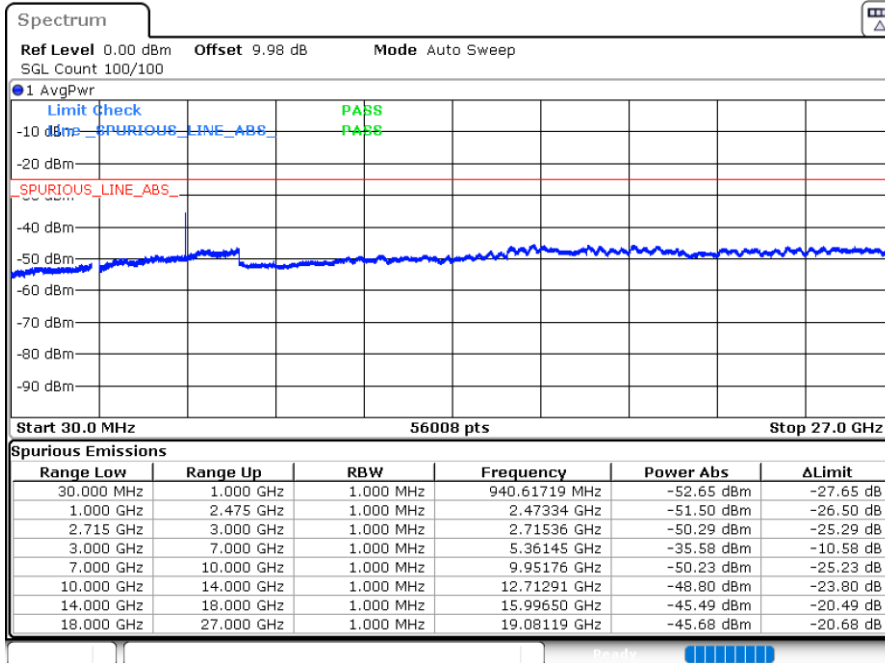
Middle Channel / QPSK



Date: 1.DEC.2024 20:12:51

Date: 1.DEC.2024 20:35:08

Highest Channel / QPSK



Date: 1.DEC.2024 20:36:28