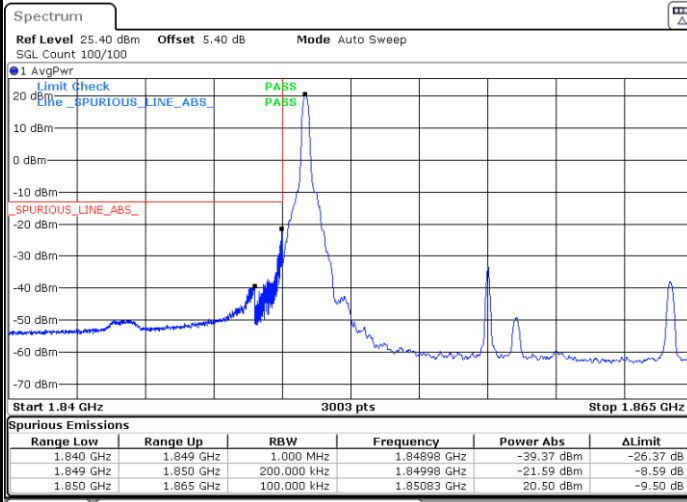




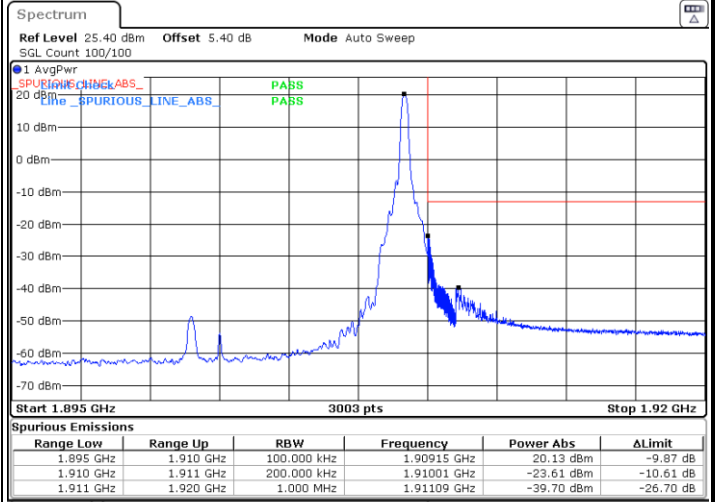
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



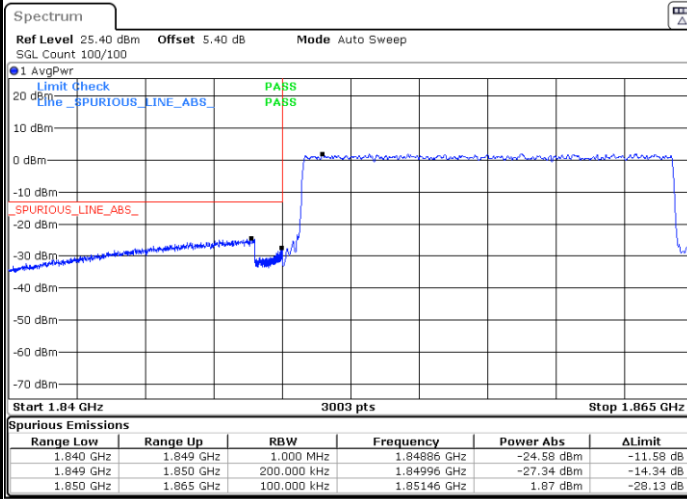
Date: 18.OCT.2024 13:20:20

Highest Band Edge / 1 RB



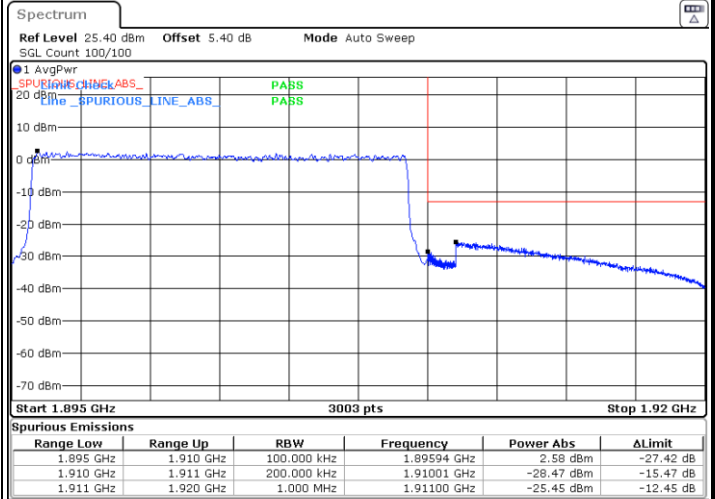
Date: 18.OCT.2024 13:29:28

Lowest Band Edge / Full RB



Date: 18.OCT.2024 13:25:50

Highest Band Edge / Full RB

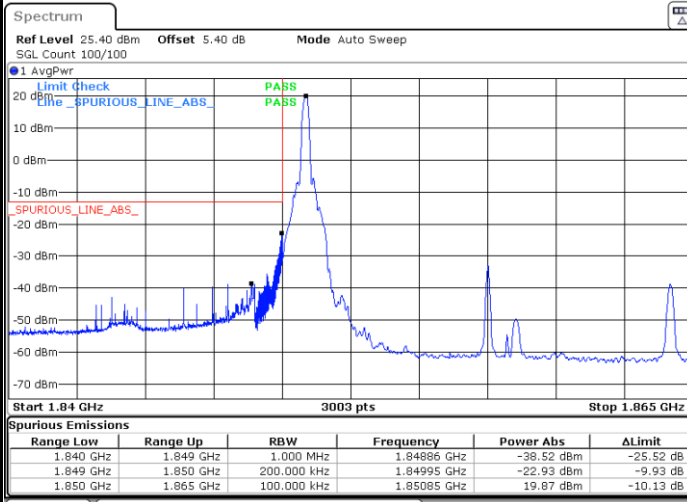


Date: 18.OCT.2024 13:34:58



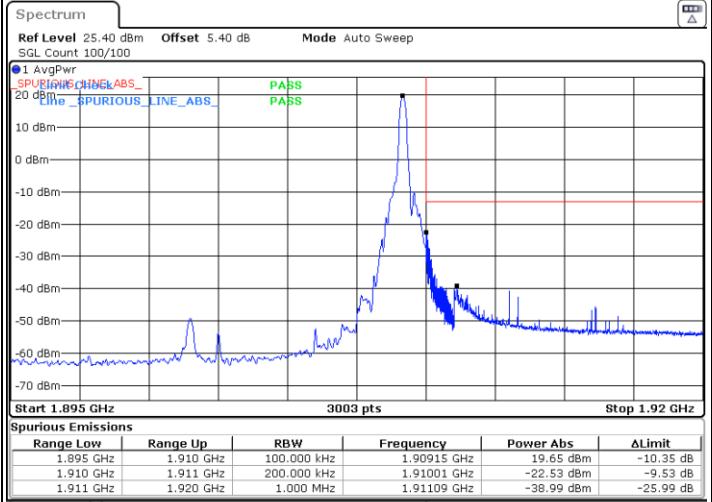
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



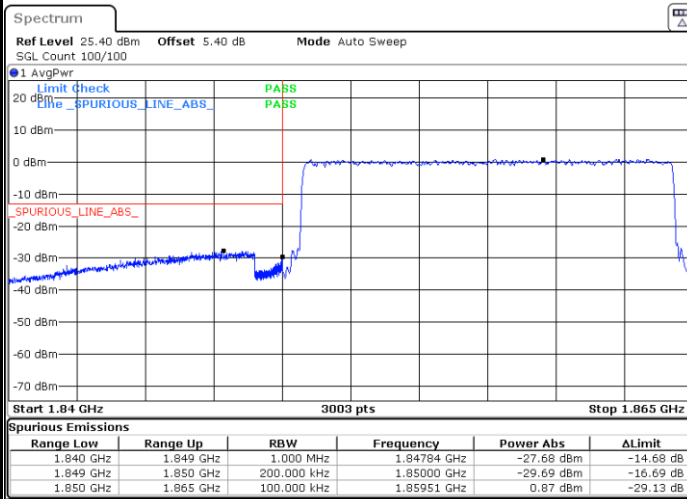
Date: 18.OCT.2024 13:21:06

Highest Band Edge / 1 RB



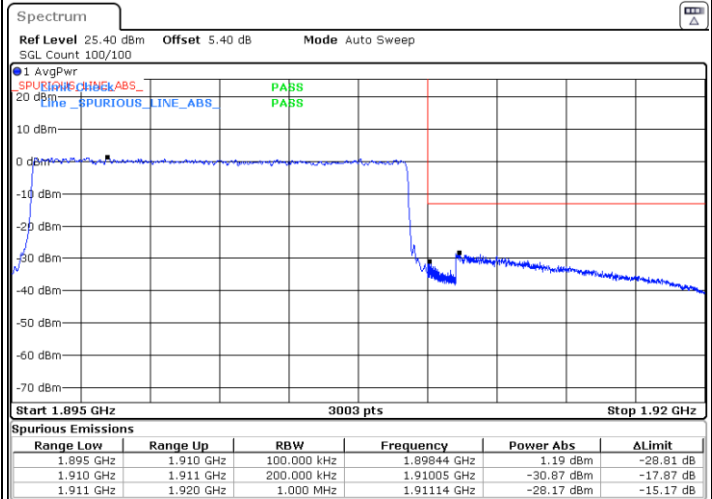
Date: 18.OCT.2024 13:30:14

Lowest Band Edge / Full RB



Date: 18.OCT.2024 13:25:04

Highest Band Edge / Full RB

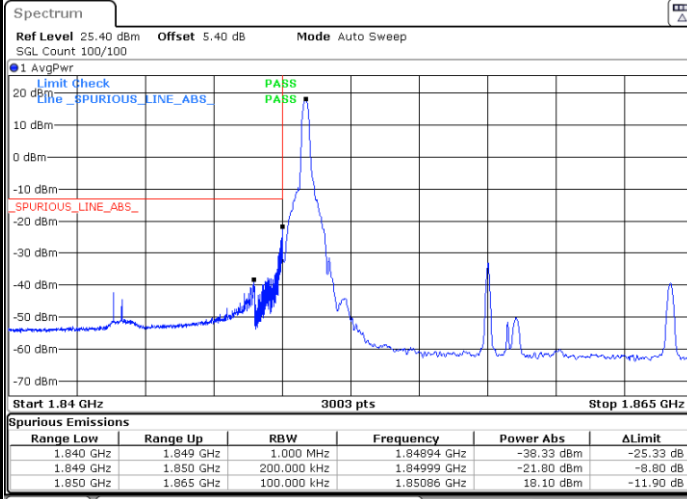


Date: 18.OCT.2024 13:34:12



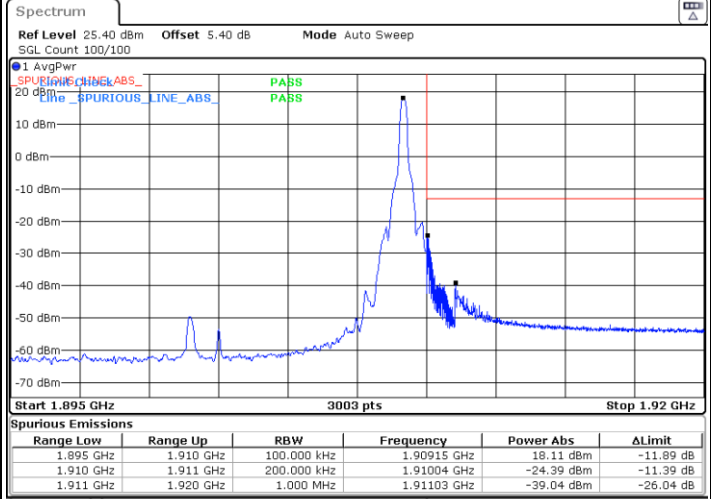
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



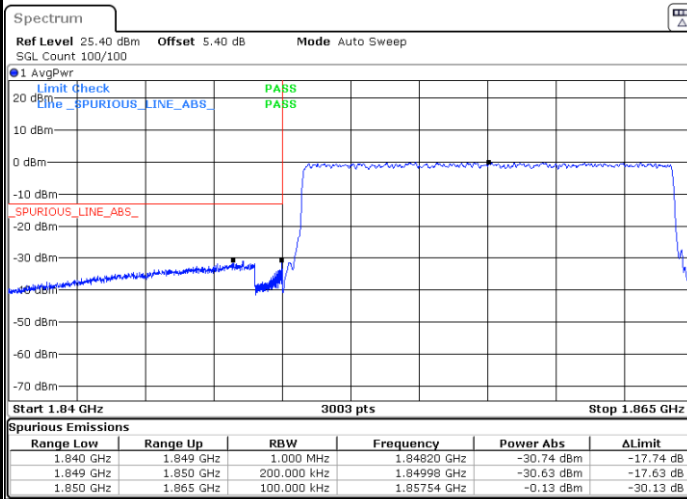
Date: 18.OCT.2024 13:21:53

Highest Band Edge / 1 RB



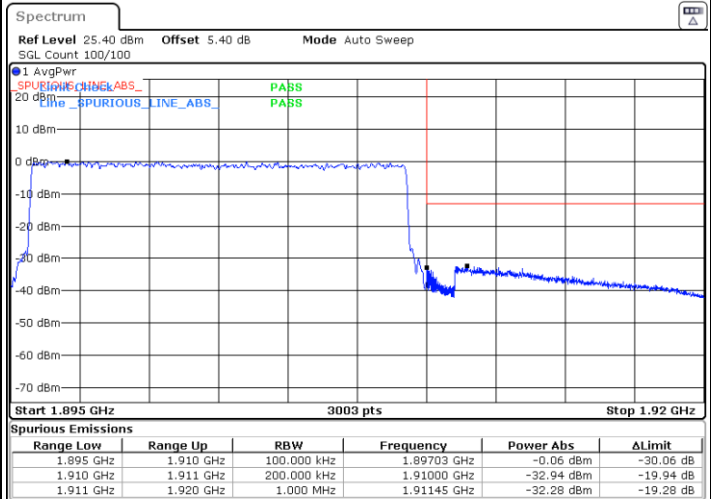
Date: 18.OCT.2024 13:31:00

Lowest Band Edge / Full RB



Date: 18.OCT.2024 13:24:17

Highest Band Edge / Full RB

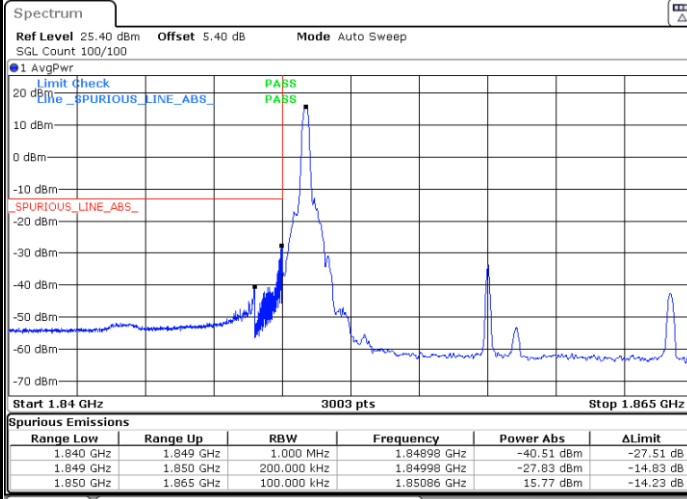


Date: 18.OCT.2024 13:33:25



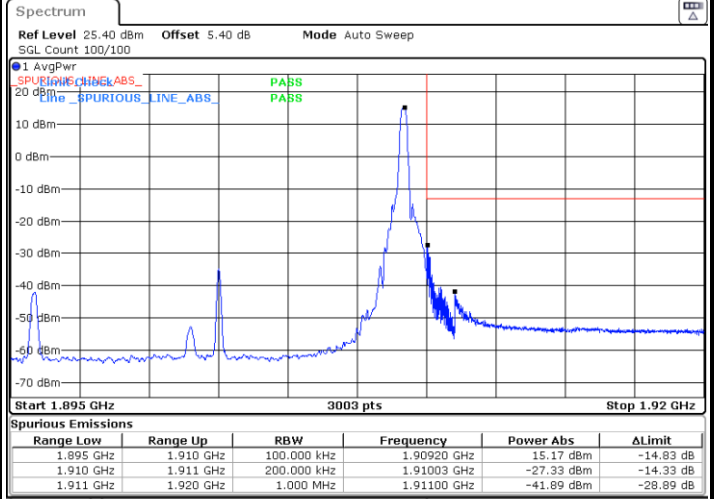
LTE Band 2 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



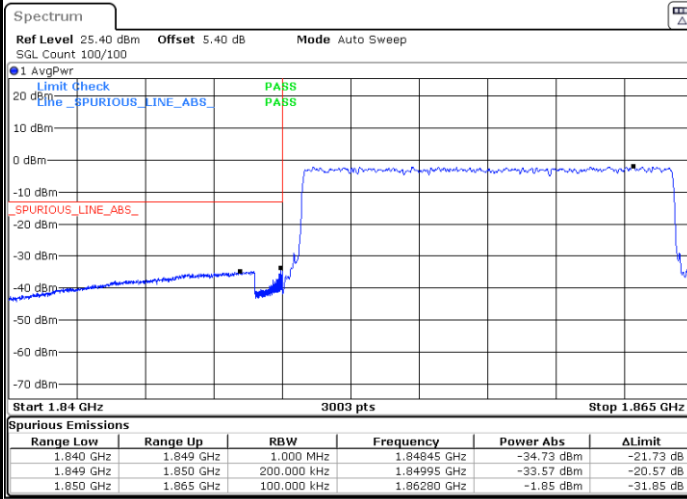
Date: 18.OCT.2024 13:22:39

Highest Band Edge / 1 RB



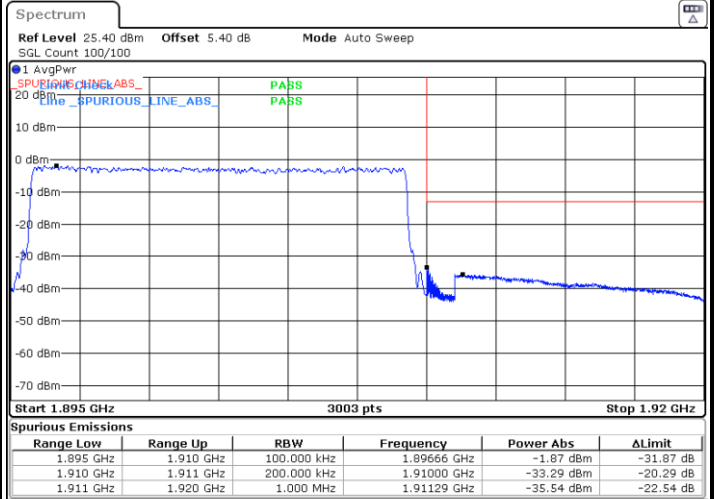
Date: 18.OCT.2024 13:31:47

Lowest Band Edge / Full RB



Date: 18.OCT.2024 13:23:28

Highest Band Edge / Full RB

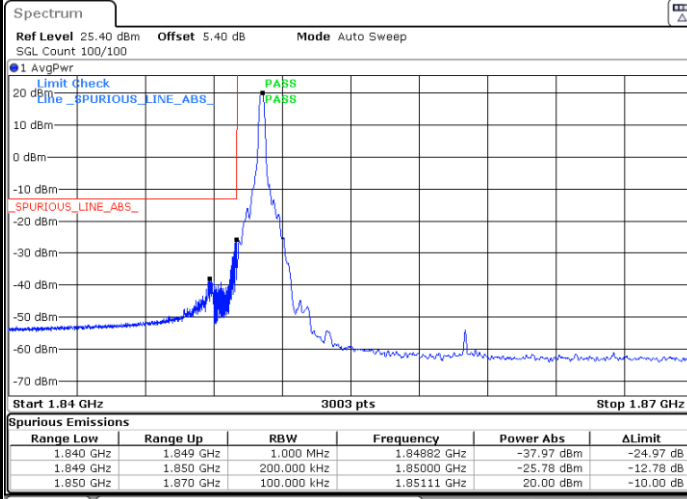


Date: 18.OCT.2024 13:32:36



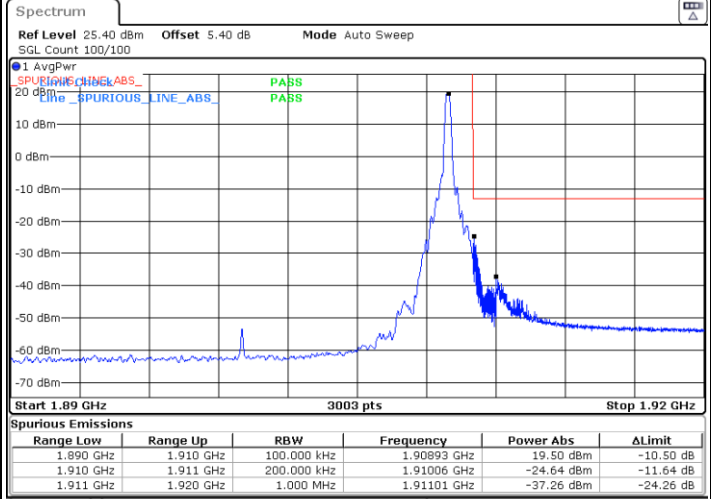
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



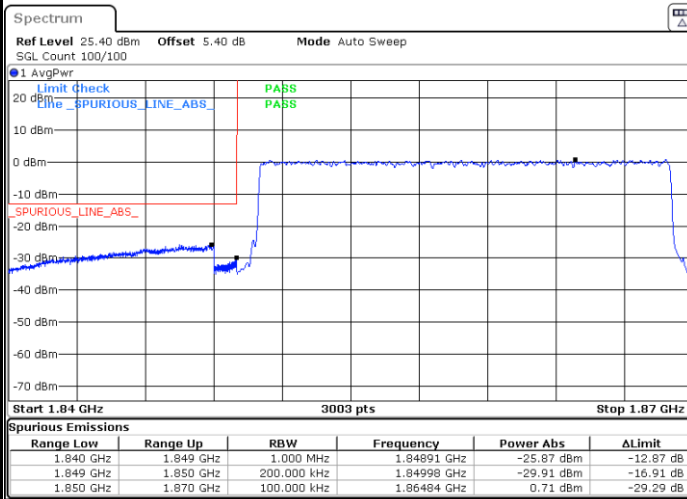
Date: 18.OCT.2024 13:37:12

Highest Band Edge / 1 RB



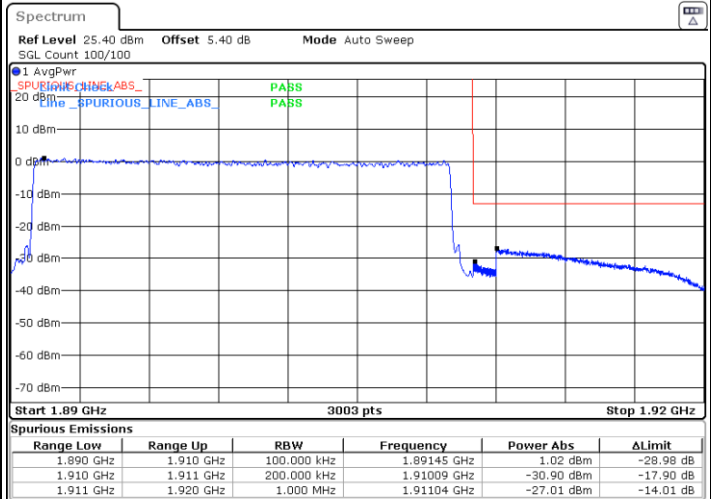
Date: 18.OCT.2024 13:46:14

Lowest Band Edge / Full RB



Date: 18.OCT.2024 13:42:36

Highest Band Edge / Full RB

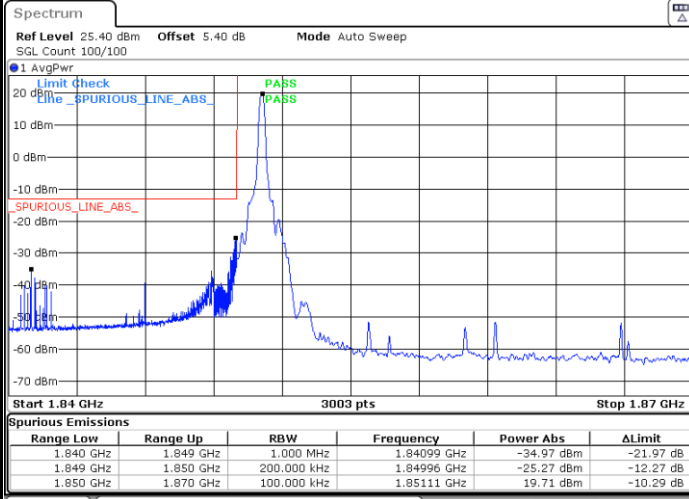


Date: 18.OCT.2024 13:51:41



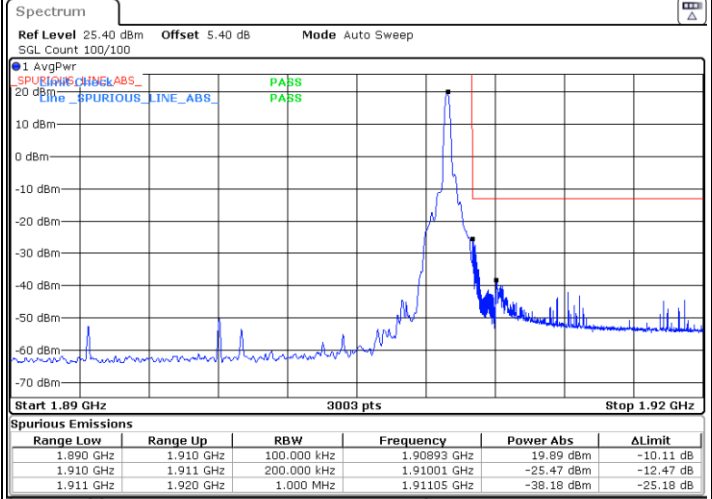
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



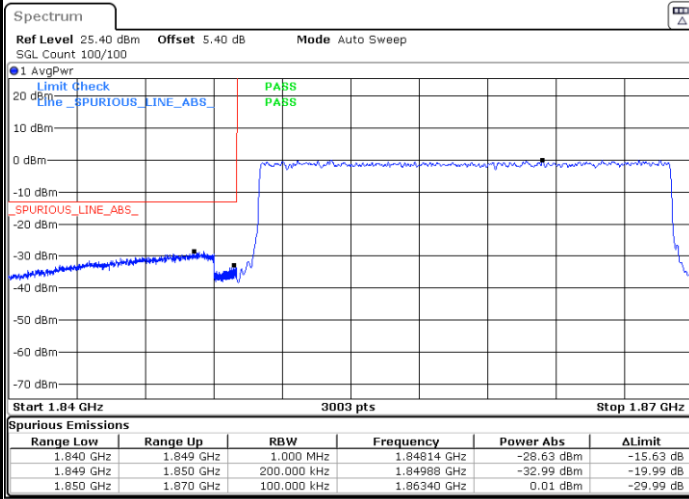
Date: 18.OCT.2024 13:37:58

Highest Band Edge / 1 RB



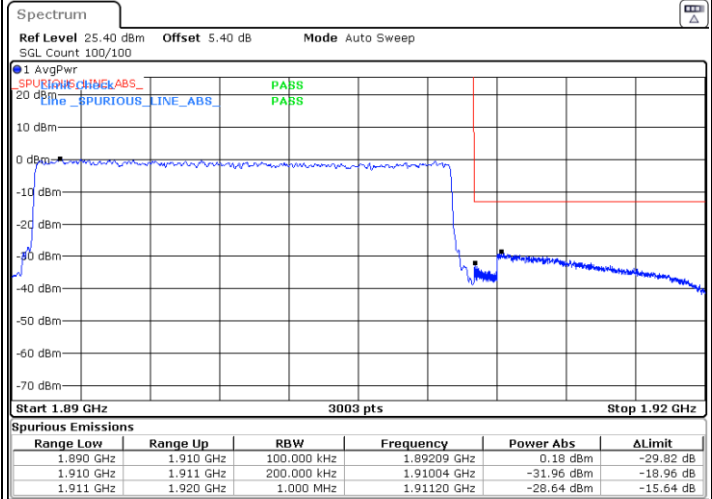
Date: 18.OCT.2024 13:47:00

Lowest Band Edge / Full RB



Date: 18.OCT.2024 13:41:50

Highest Band Edge / Full RB

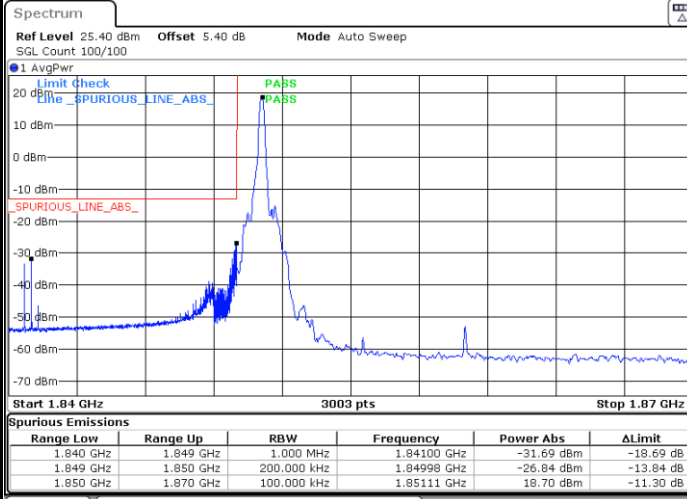


Date: 18.OCT.2024 13:50:55



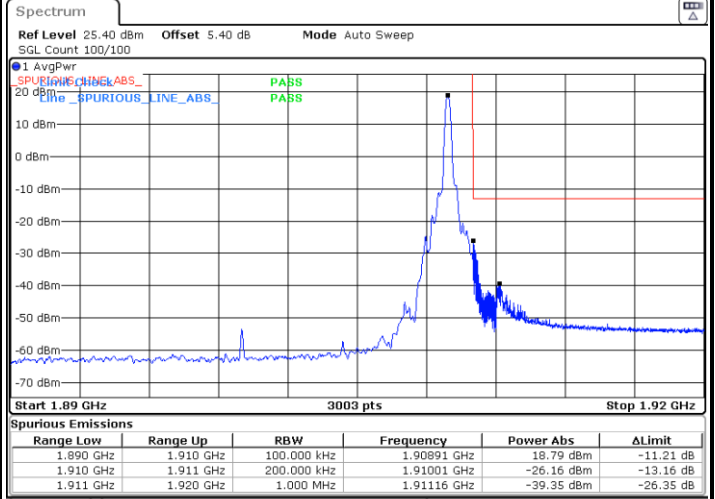
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



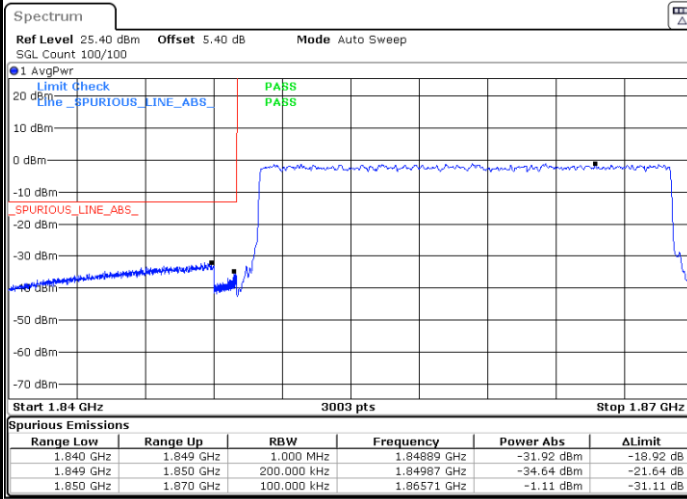
Date: 18.OCT.2024 13:38:44

Highest Band Edge / 1 RB



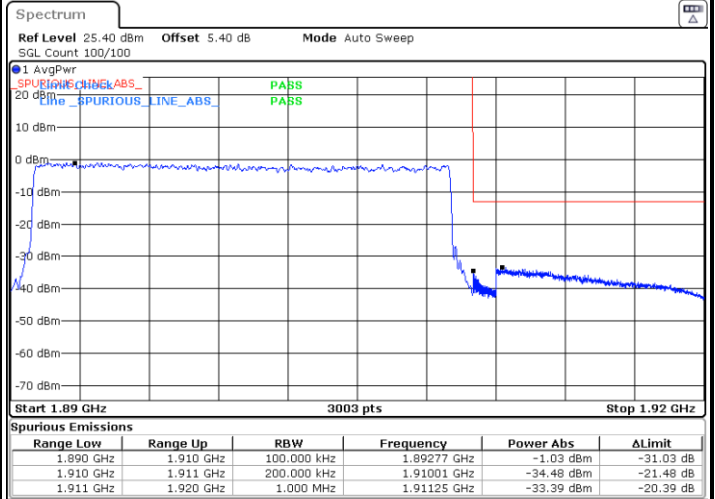
Date: 18.OCT.2024 13:47:47

Lowest Band Edge / Full RB



Date: 18.OCT.2024 13:41:04

Highest Band Edge / Full RB

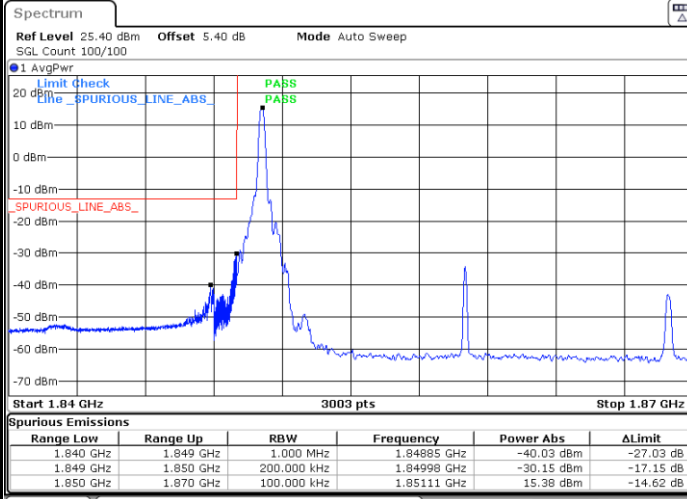


Date: 18.OCT.2024 13:50:09



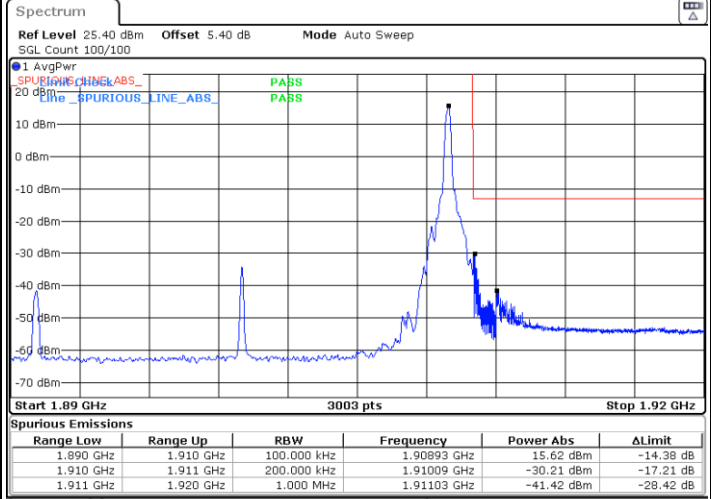
LTE Band 2 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



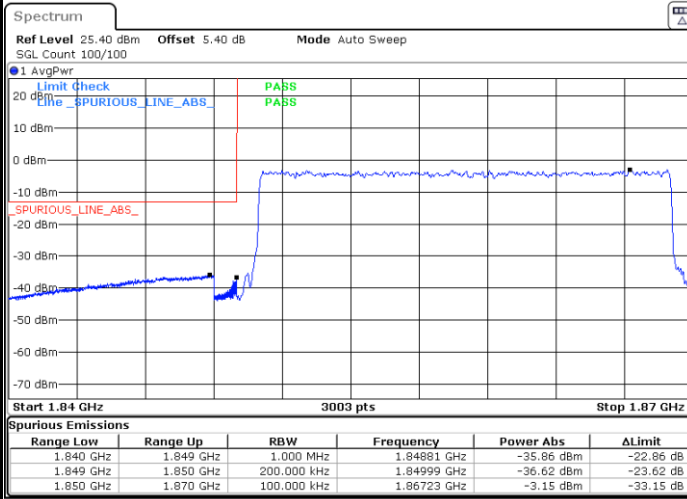
Date: 18.OCT.2024 13:39:31

Highest Band Edge / 1 RB



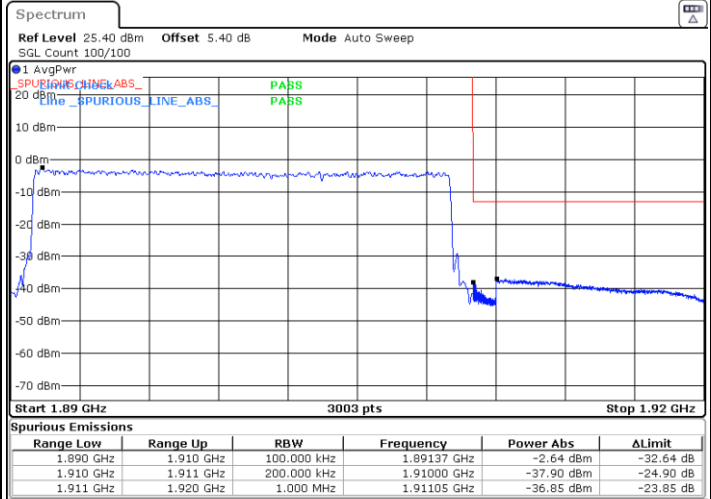
Date: 18.OCT.2024 13:48:33

Lowest Band Edge / Full RB



Date: 18.OCT.2024 13:40:17

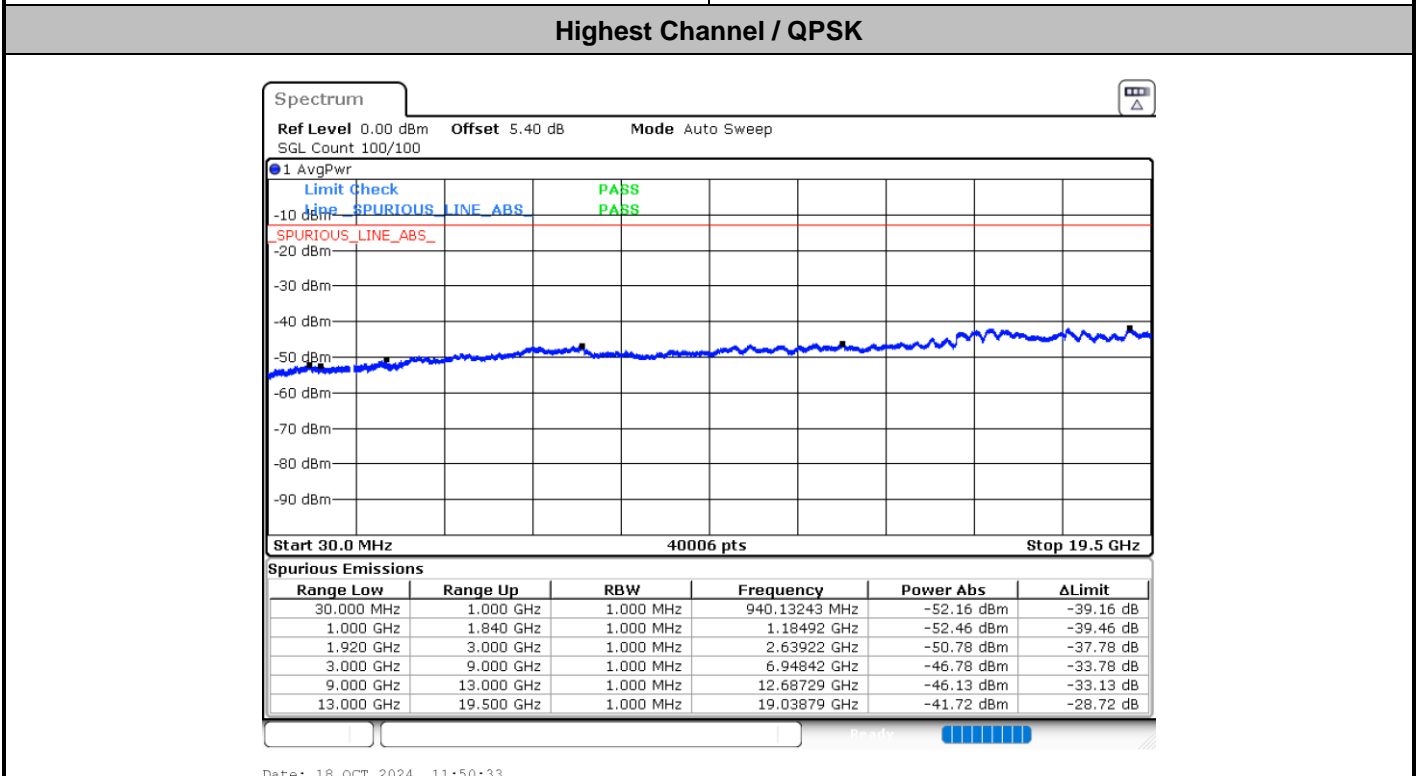
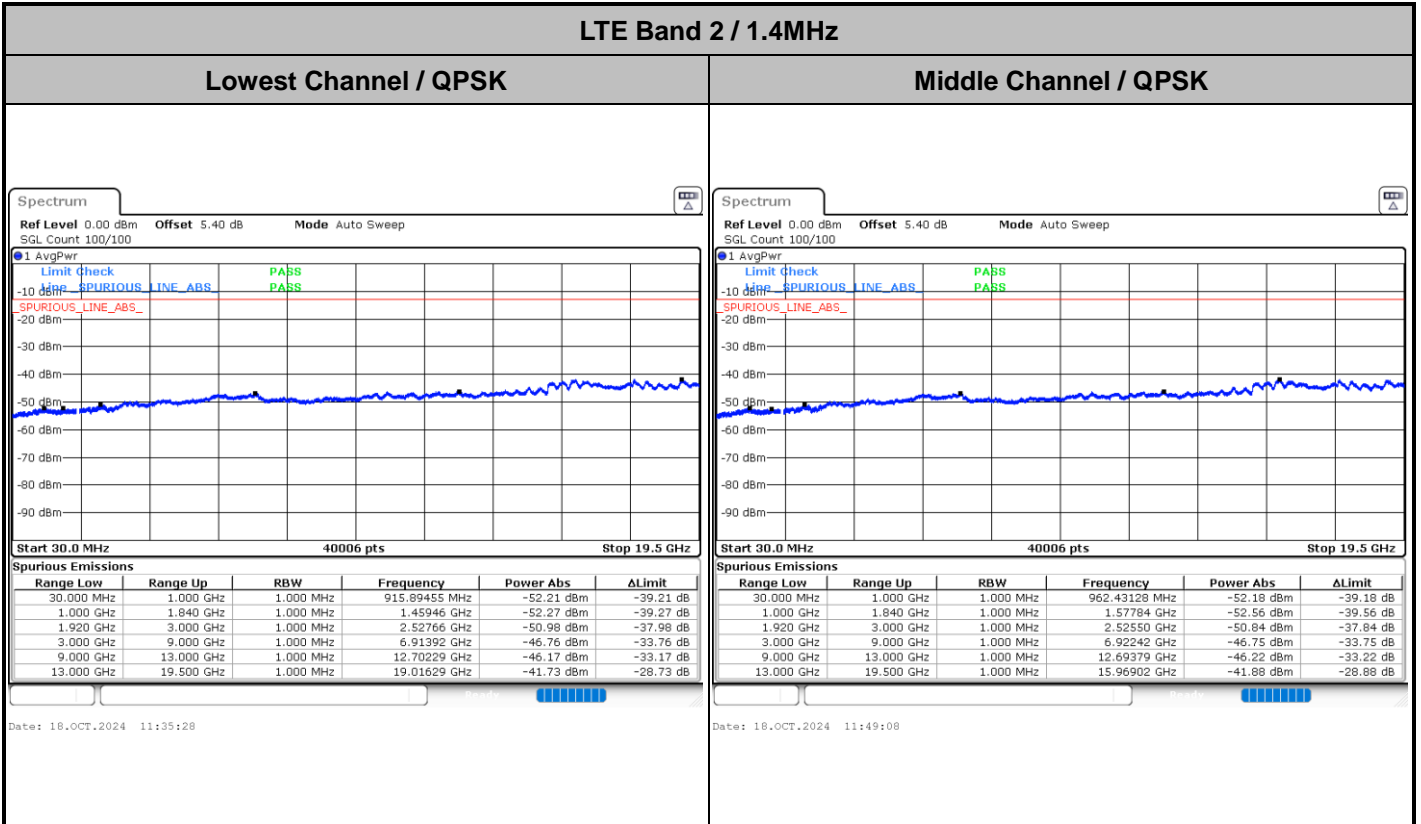
Highest Band Edge / Full RB



Date: 18.OCT.2024 13:49:19



Conducted Spurious Emission

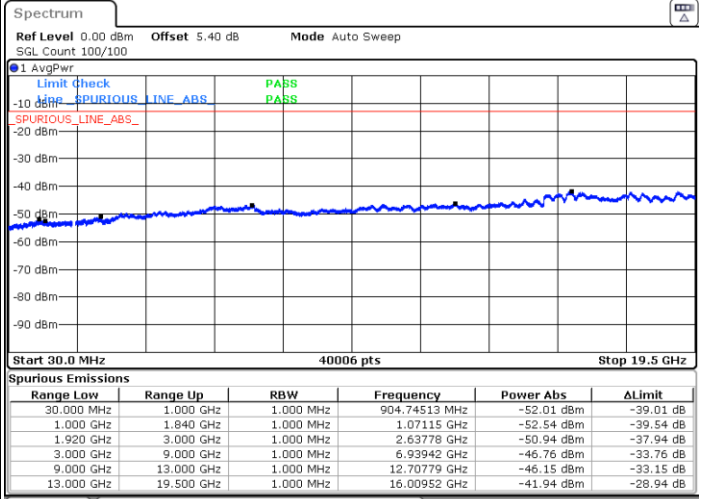
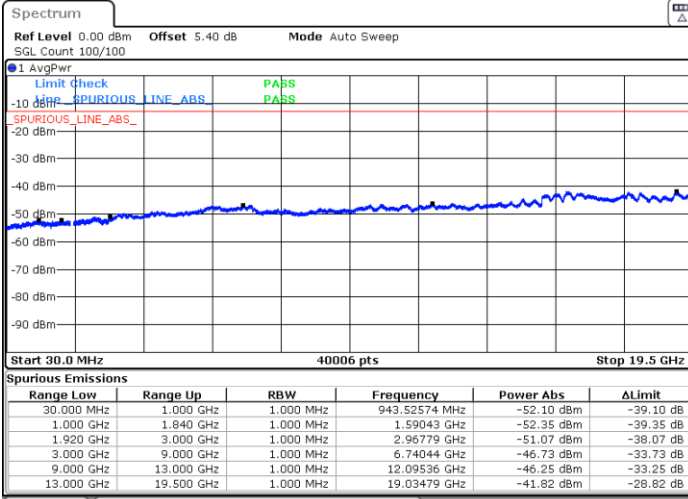




LTE Band 2 / 3MHz

Lowest Channel / QPSK

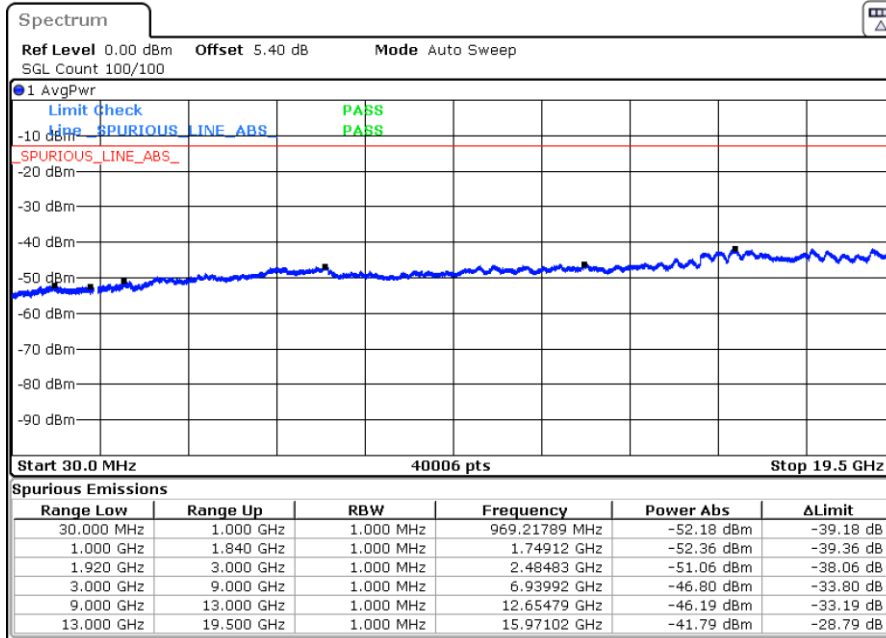
Middle Channel / QPSK



Date: 18.OCT.2024 12:04:11

Date: 18.OCT.2024 12:17:53

Highest Channel / QPSK



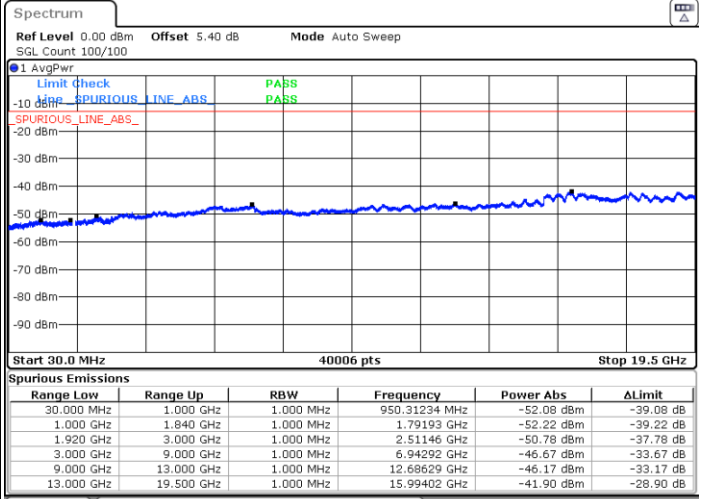
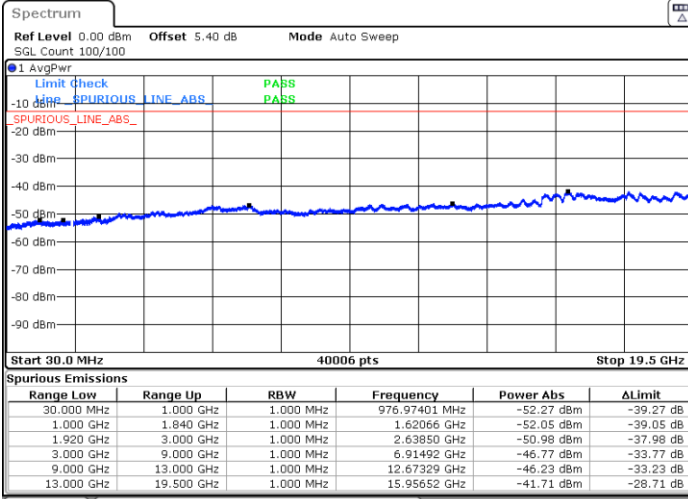
Date: 18.OCT.2024 12:19:18



LTE Band 2 / 5MHz

Lowest Channel / QPSK

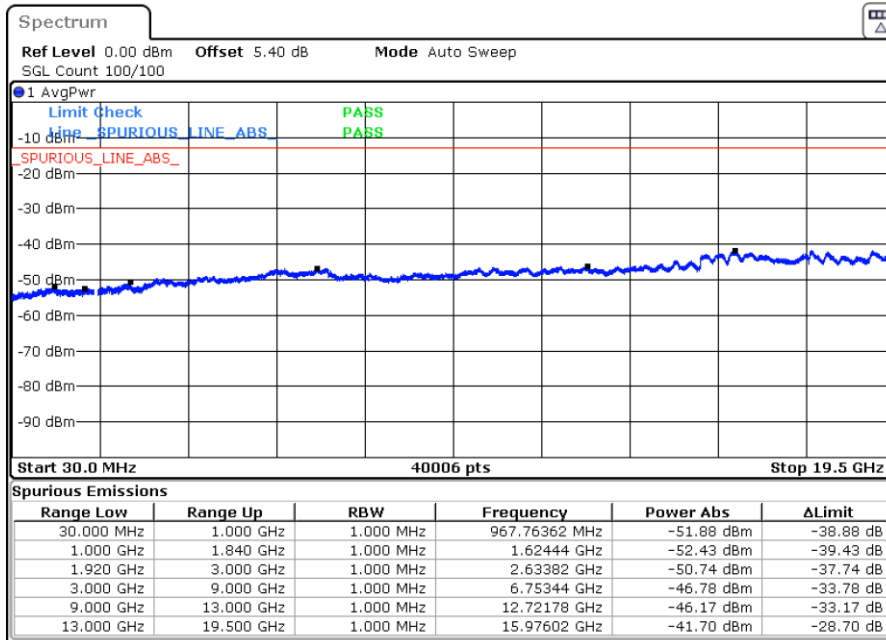
Middle Channel / QPSK



Date: 18.OCT.2024 12:32:56

Date: 18.OCT.2024 12:46:35

Highest Channel / QPSK



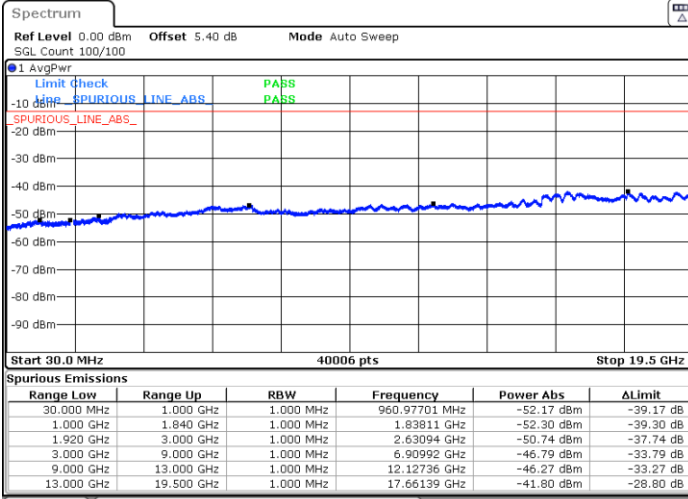
Date: 18.OCT.2024 12:48:01



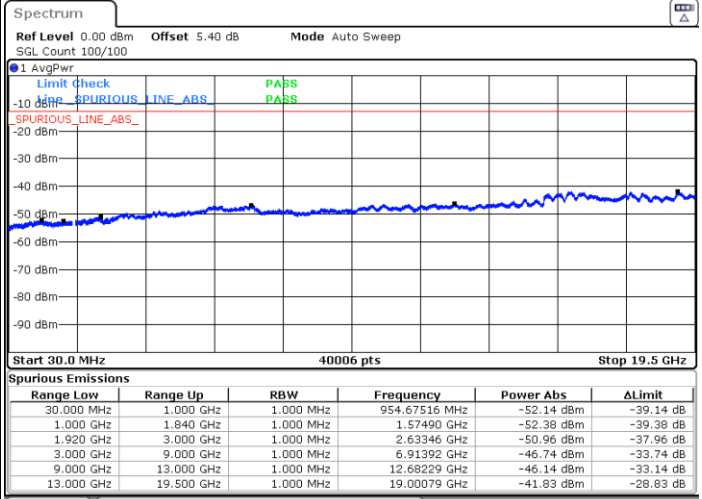
LTE Band 2 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

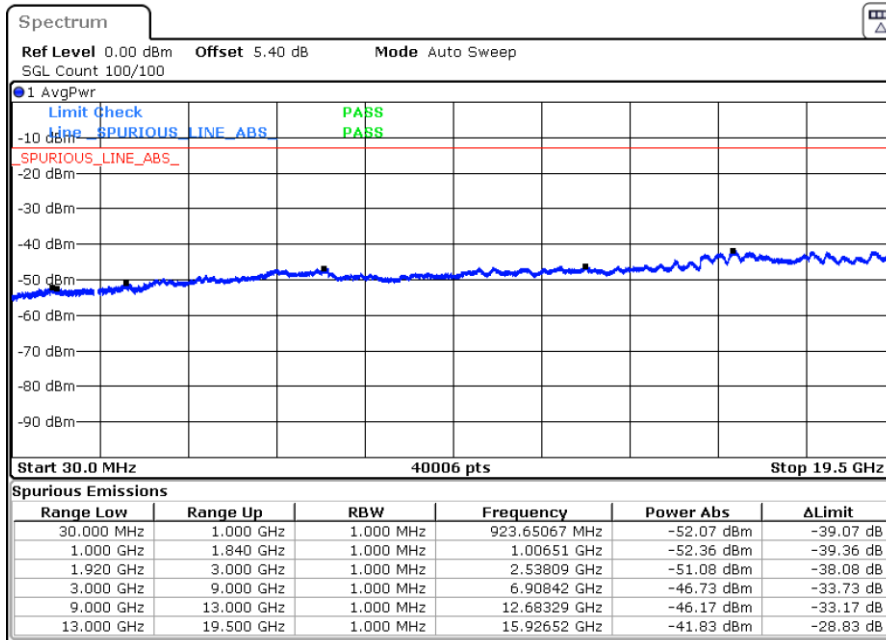


Date: 18.OCT.2024 12:58:42



Date: 18.OCT.2024 13:08:24

Highest Channel / QPSK



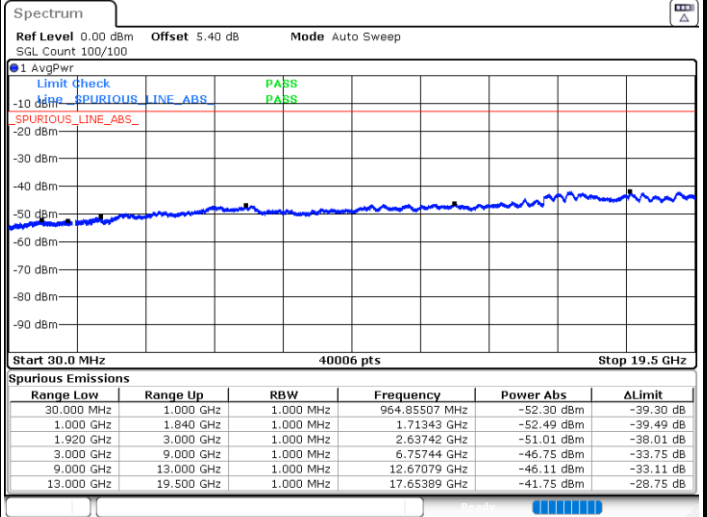
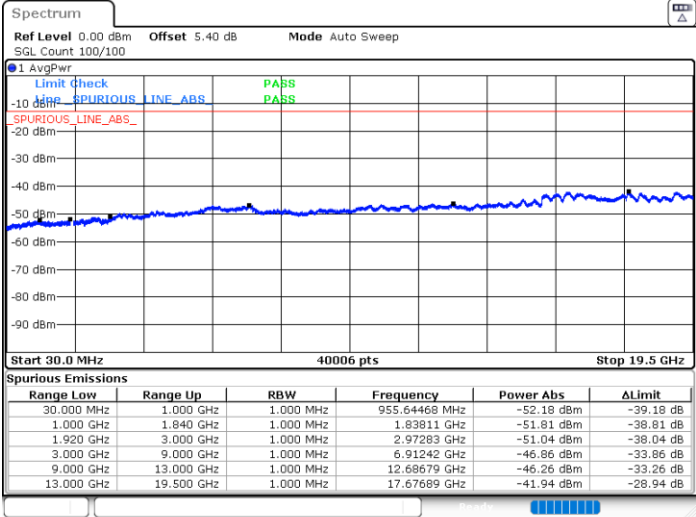
Date: 18.OCT.2024 13:09:50



LTE Band 2 / 15MHz

Lowest Channel / QPSK

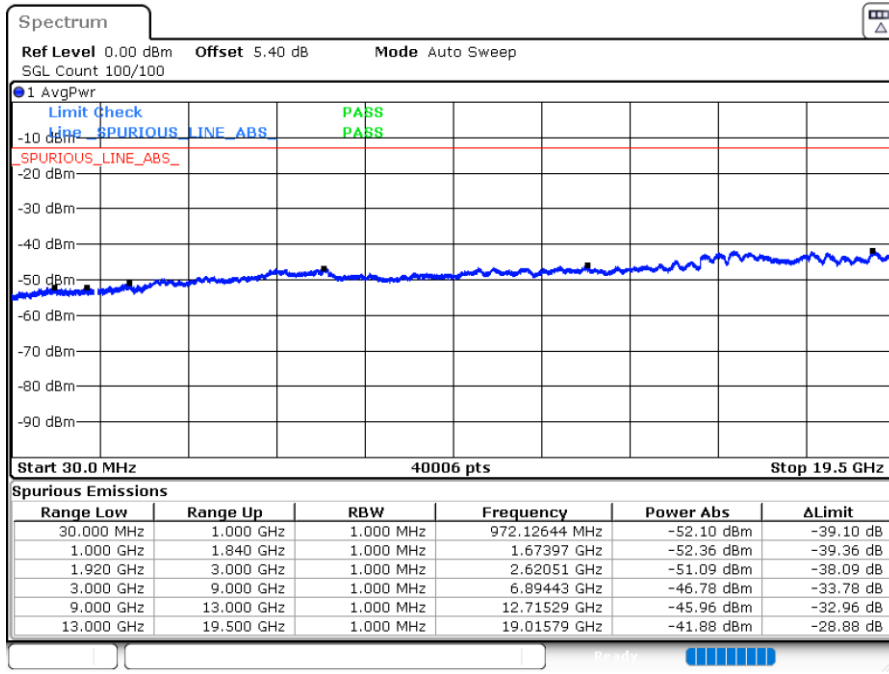
Middle Channel / QPSK



Date: 18.OCT.2024 13:19:34

Date: 18.OCT.2024 13:27:16

Highest Channel / QPSK



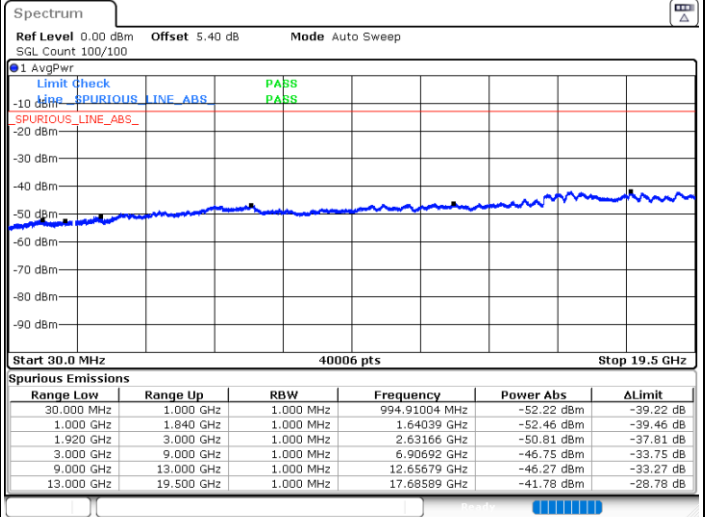
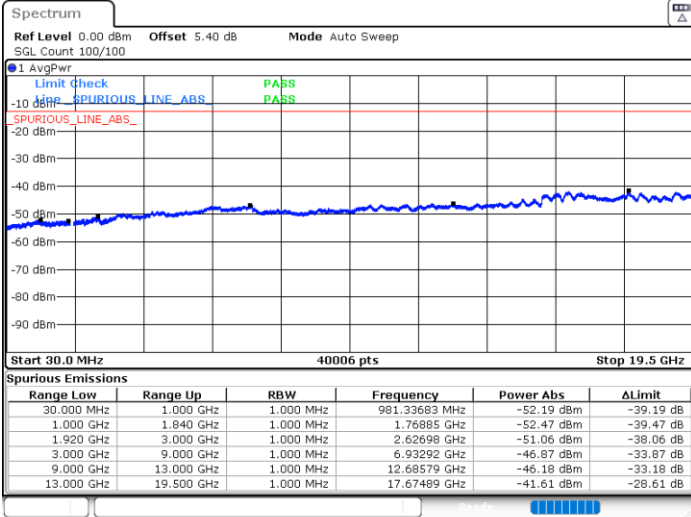
Date: 18.OCT.2024 13:28:41



LTE Band 2 / 20MHz

Lowest Channel / QPSK

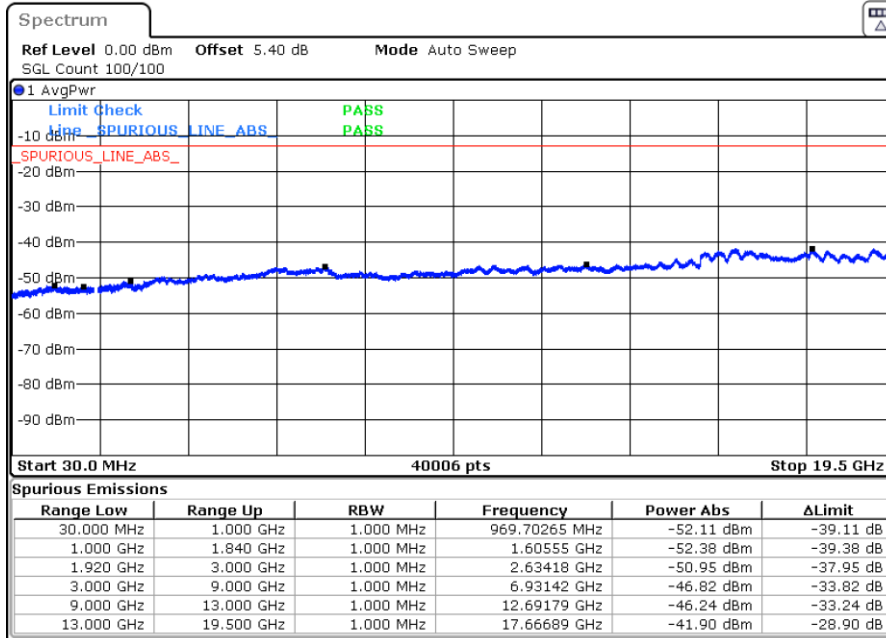
Middle Channel / QPSK



Date: 18.OCT.2024 13:36:25

Date: 18.OCT.2024 13:44:02

Highest Channel / QPSK



Date: 18.OCT.2024 13:45:27



Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0023	

Note:

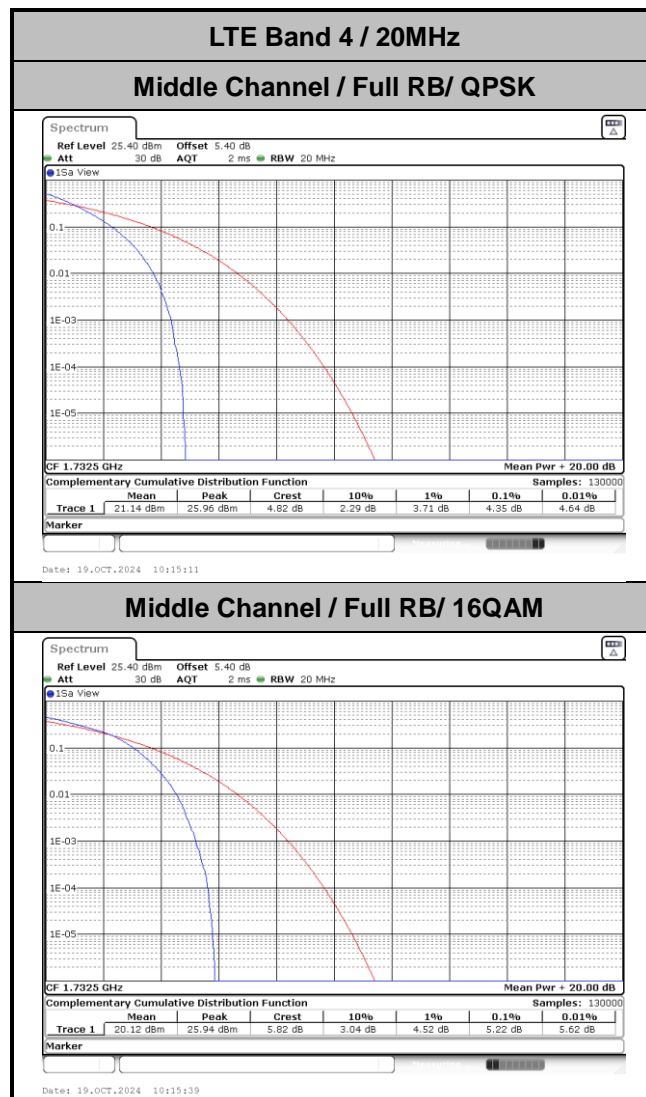
1. Normal Voltage = 3.87 V.; Battery End Point (BEP) =3.5 V.; Maximum Voltage = 4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

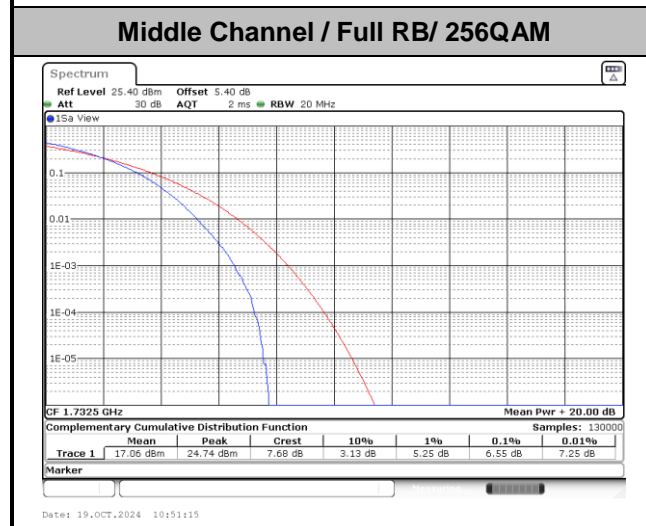
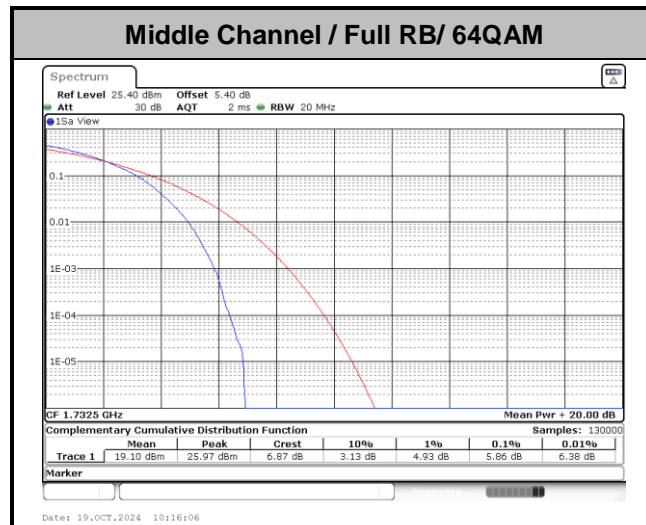


LTE Band 4(Other PA)

Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.35	5.22	5.86	6.55	PASS

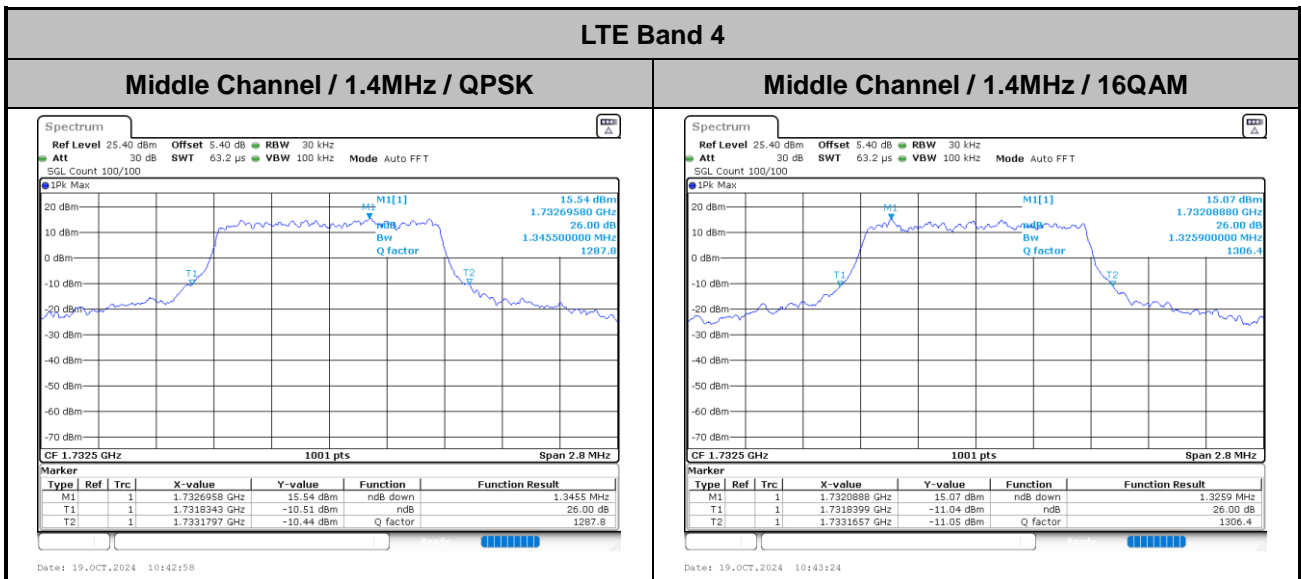






26dB Bandwidth

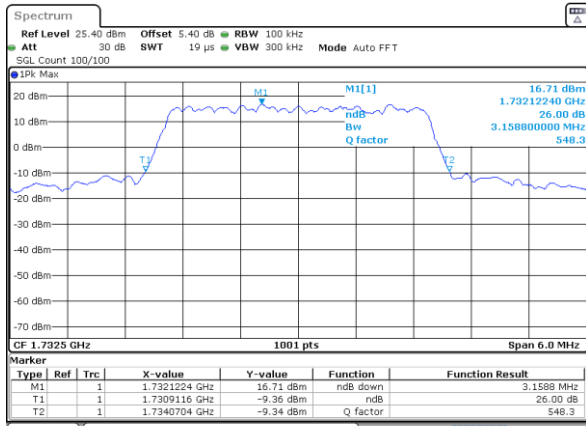
Mode	LTE Band 4 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.35	1.33
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.16	3.07
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.07	4.99
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.71	9.75
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.57	14.30
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.30	19.18





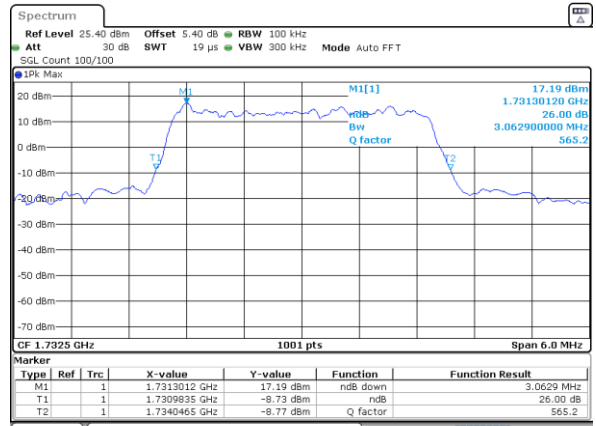
LTE Band 4

Middle Channel / 3MHz / QPSK



Date: 19_OCT_2024 10:45:08

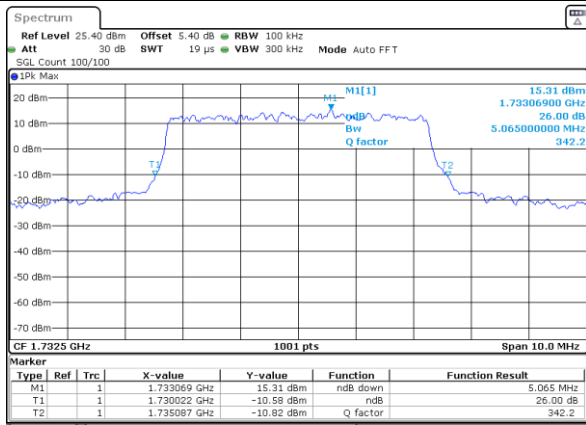
Middle Channel / 3MHz / 16QAM



Date: 19_OCT_2024 10:44:43

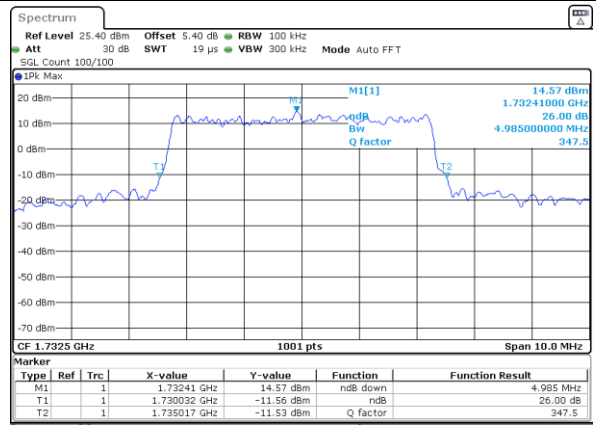
LTE Band 4

Middle Channel / 5MHz / QPSK



Date: 19_OCT_2024 10:46:27

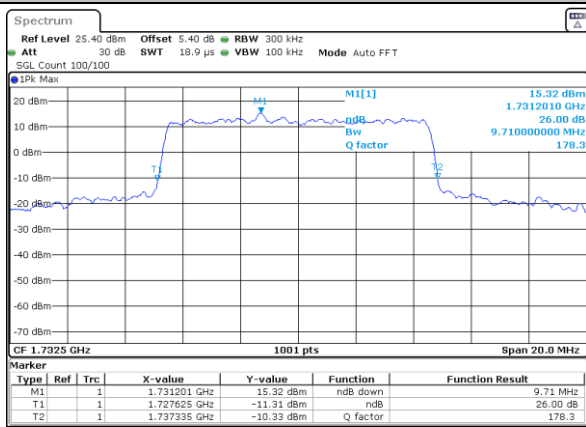
Middle Channel / 5MHz / 16QAM



Date: 19_OCT_2024 10:46:52

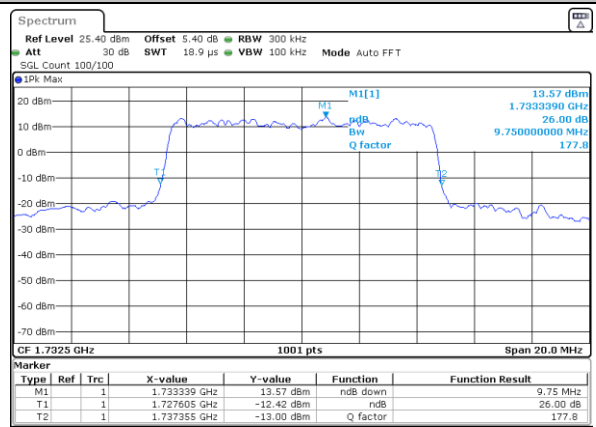
LTE Band 4

Middle Channel / 10MHz / QPSK



Date: 19_OCT_2024 10:48:37

Middle Channel / 10MHz / 16QAM

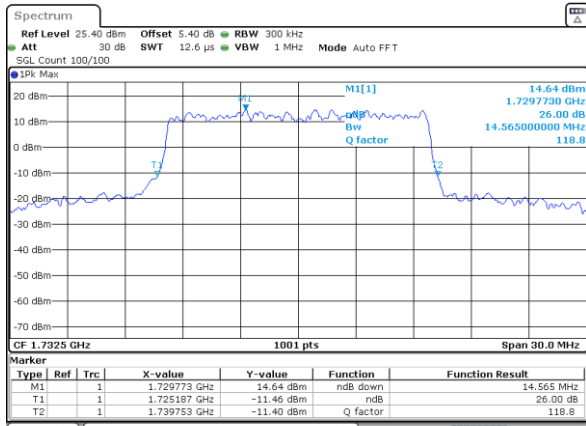


Date: 19_OCT_2024 10:48:11

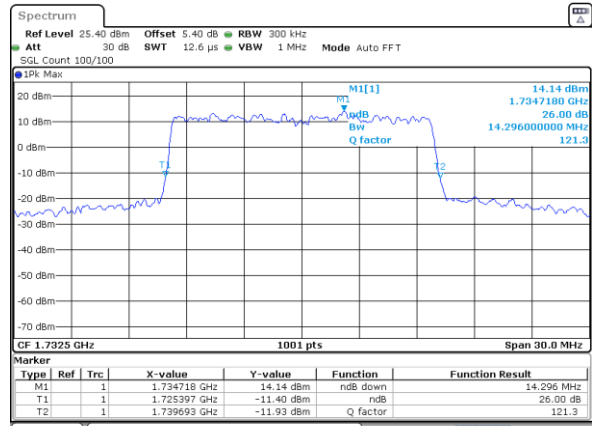


LTE Band 4

Middle Channel / 15MHz / QPSK

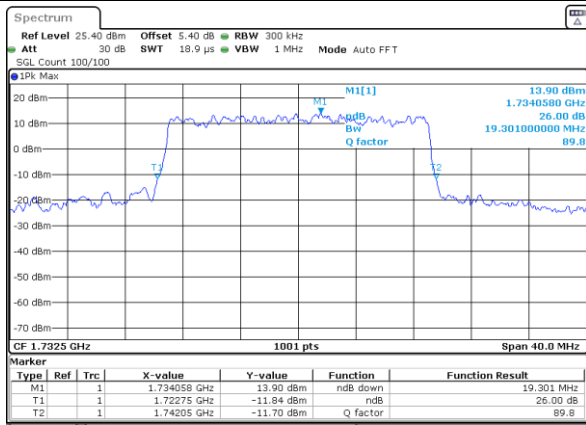


Middle Channel / 15MHz / 16QAM

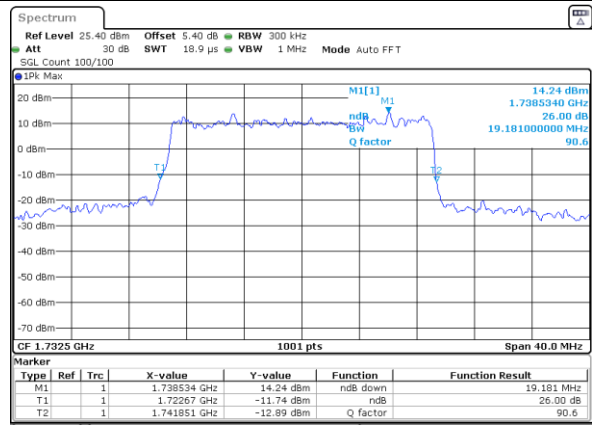


LTE Band 4

Middle Channel / 20MHz / QPSK



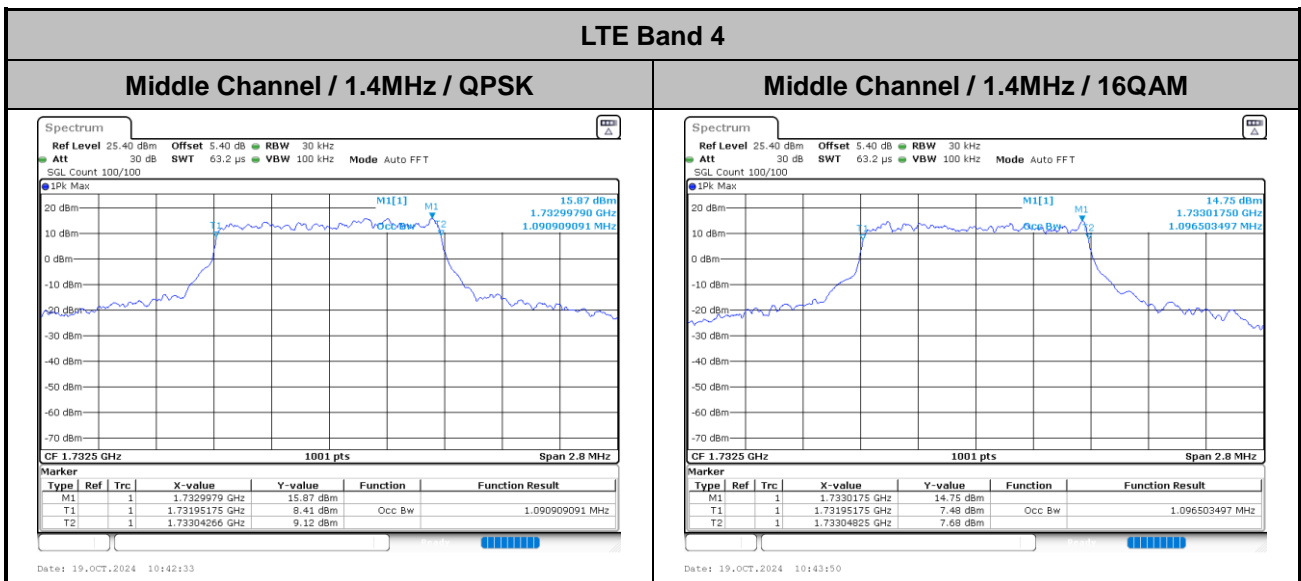
Middle Channel / 20MHz / 16QAM





Occupied Bandwidth

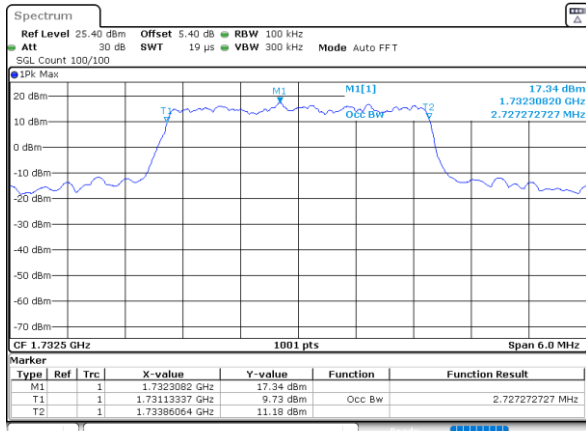
Mode	LTE Band 4 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.10	1.10
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.73	2.74
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.52	4.53
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.11	9.07
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.43
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.82





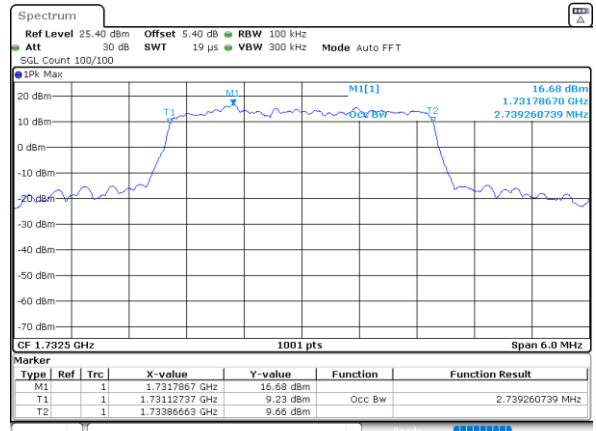
LTE Band 4

Middle Channel / 3MHz / QPSK



Date: 19.OCT.2024 10:45:14

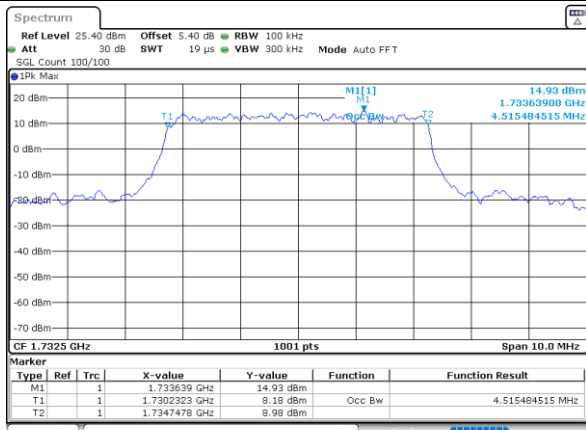
Middle Channel / 3MHz / 16QAM



Date: 19.OCT.2024 10:44:17

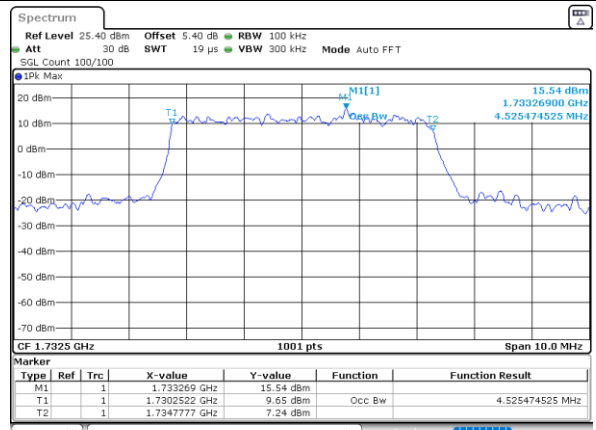
LTE Band 4

Middle Channel / 5MHz / QPSK



Date: 19.OCT.2024 10:46:01

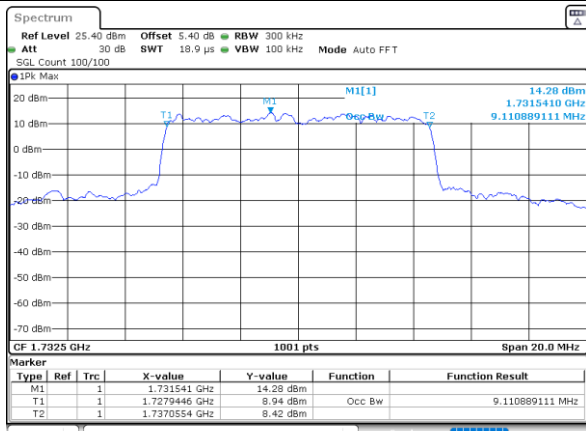
Middle Channel / 5MHz / 16QAM



Date: 19.OCT.2024 10:47:18

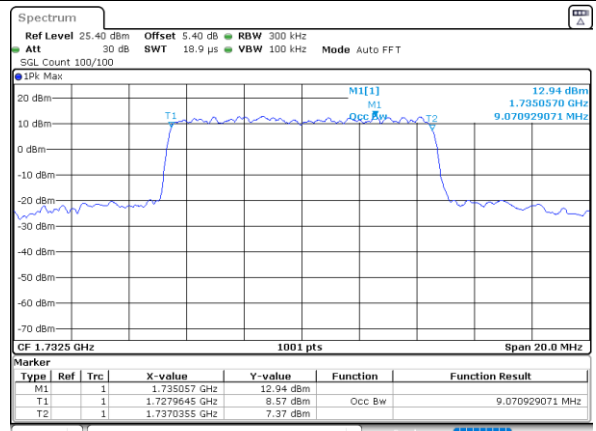
LTE Band 4

Middle Channel / 10MHz / QPSK



Date: 19.OCT.2024 10:49:02

Middle Channel / 10MHz / 16QAM

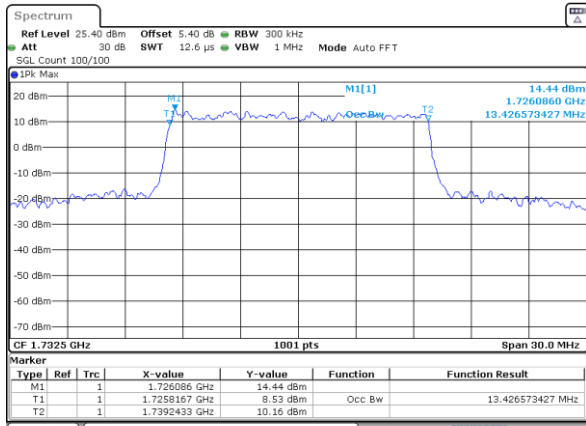


Date: 19.OCT.2024 10:47:45



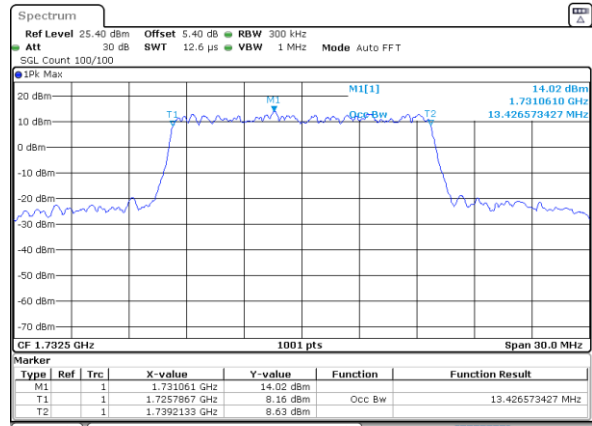
LTE Band 4

Middle Channel / 15MHz / QPSK



Date: 19.OCT.2024 10:49:30

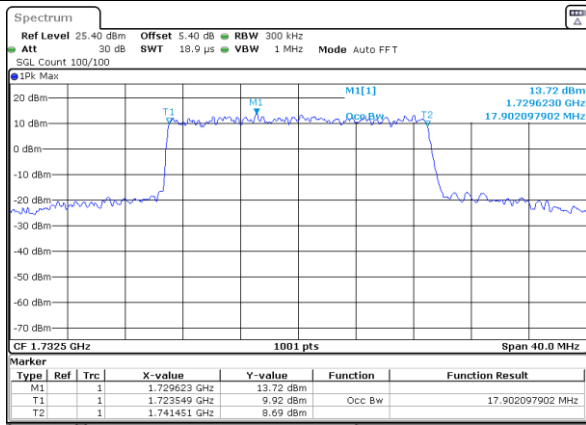
Middle Channel / 15MHz / 16QAM



Date: 19.OCT.2024 10:50:47

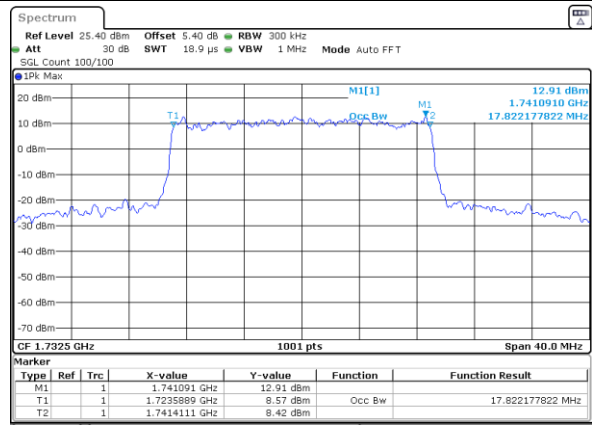
LTE Band 4

Middle Channel / 20MHz / QPSK



Date: 19.OCT.2024 10:13:53

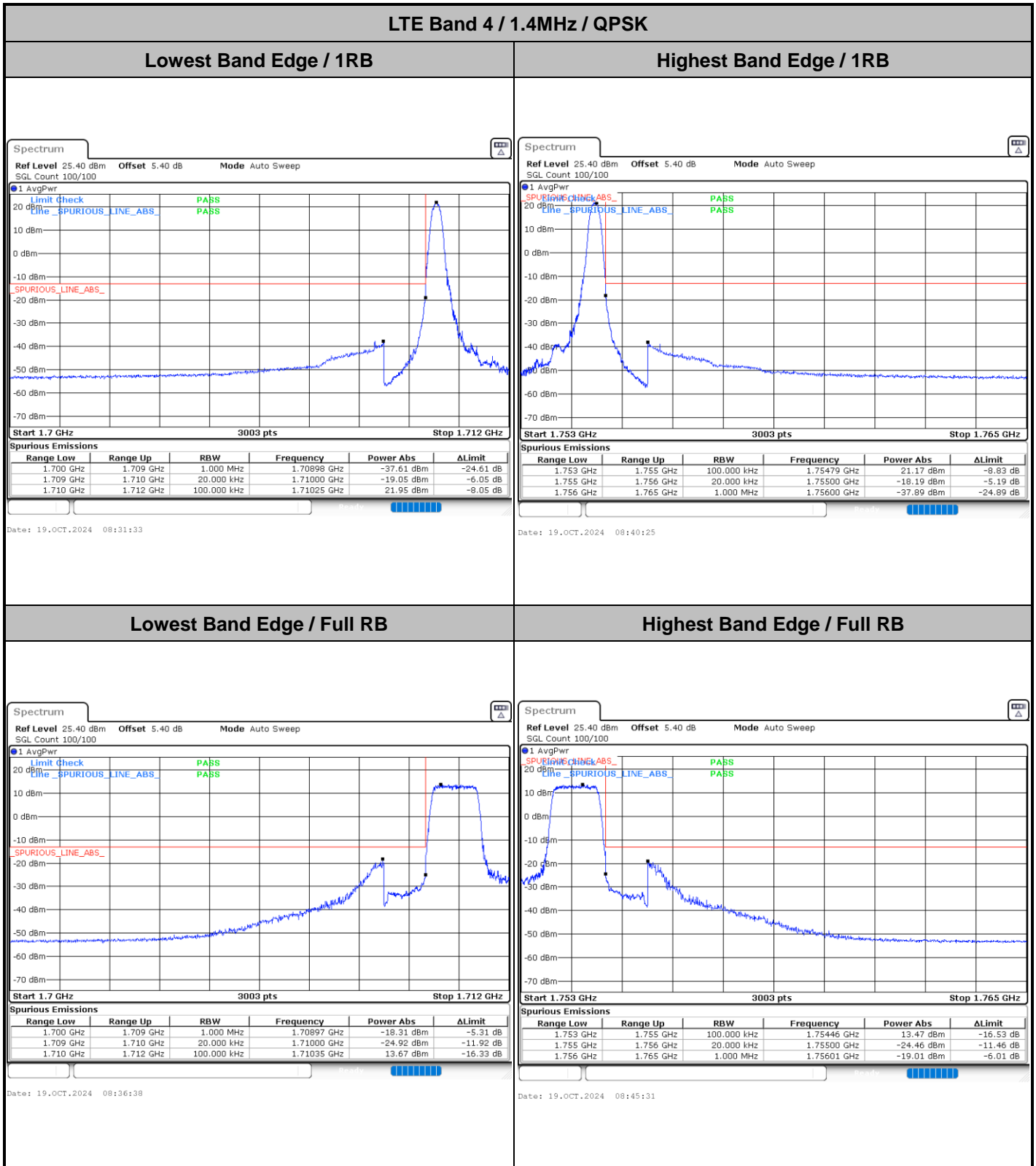
Middle Channel / 20MHz / 16QAM



Date: 19.OCT.2024 10:14:19



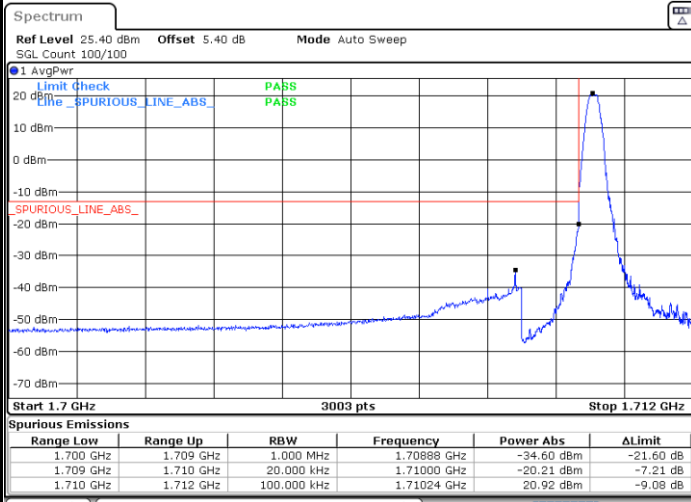
Conducted Band Edge





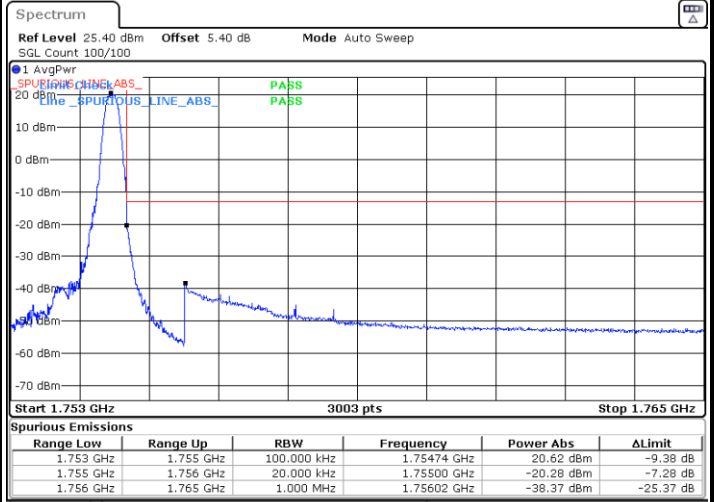
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



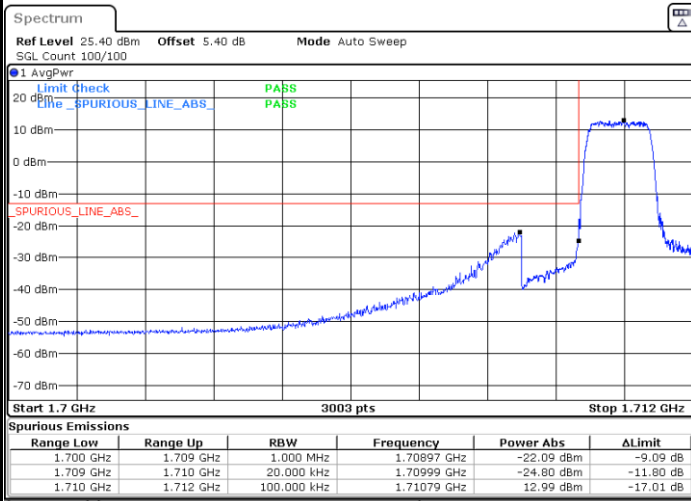
Date: 19.OCT.2024 08:32:34

Highest Band Edge / 1 RB



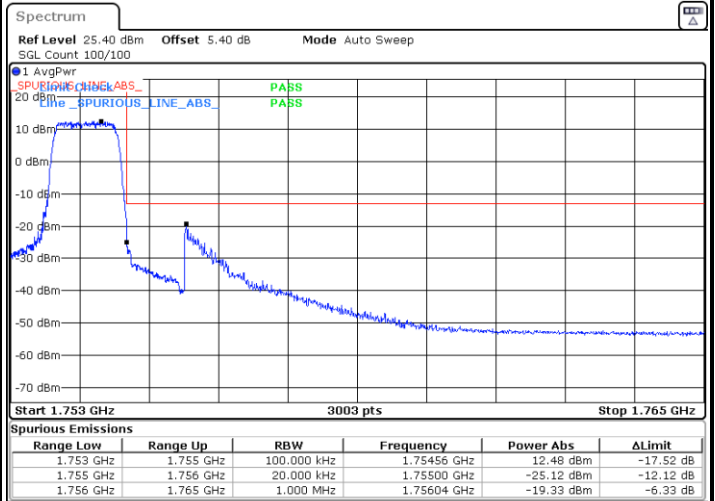
Date: 19.OCT.2024 08:41:26

Lowest Band Edge / Full RB



Date: 19.OCT.2024 08:35:37

Highest Band Edge / Full RB

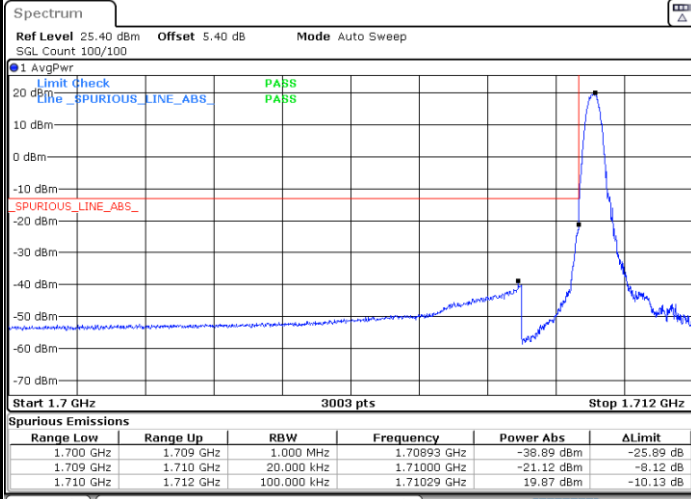


Date: 19.OCT.2024 08:44:30



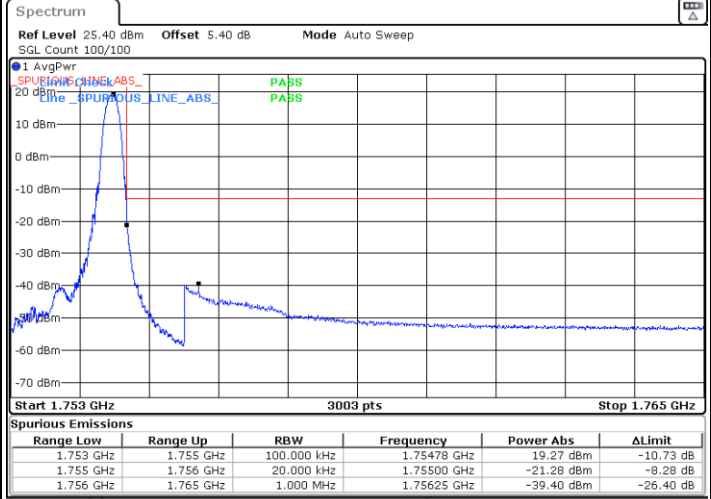
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



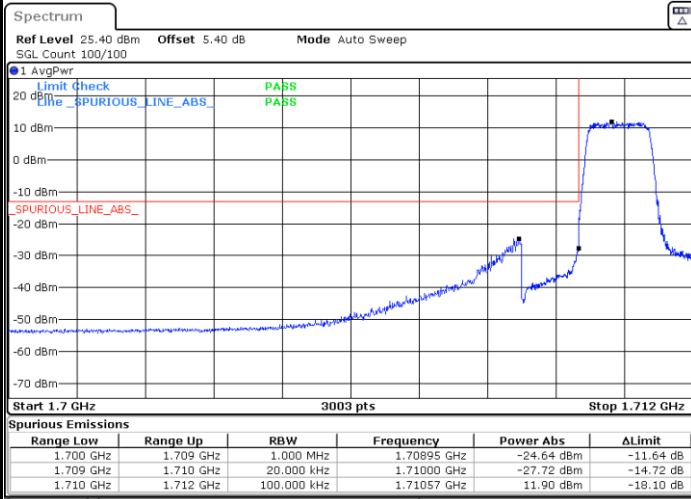
Date: 19.OCT.2024 08:33:35

Highest Band Edge / 1 RB



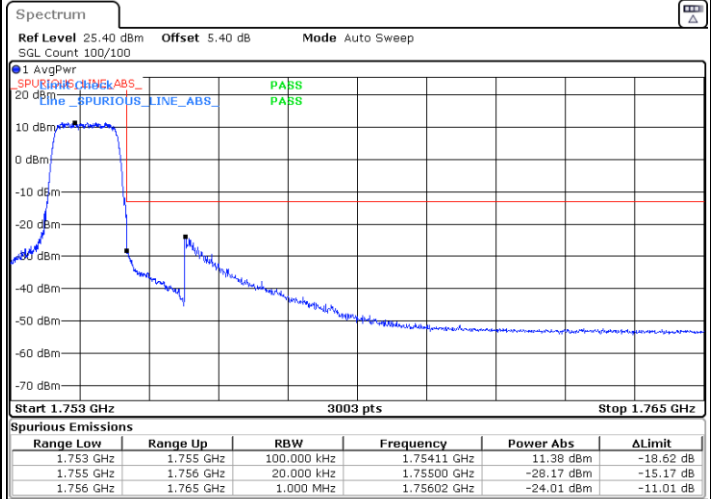
Date: 19.OCT.2024 08:42:27

Lowest Band Edge / Full RB



Date: 19.OCT.2024 08:34:36

Highest Band Edge / Full RB



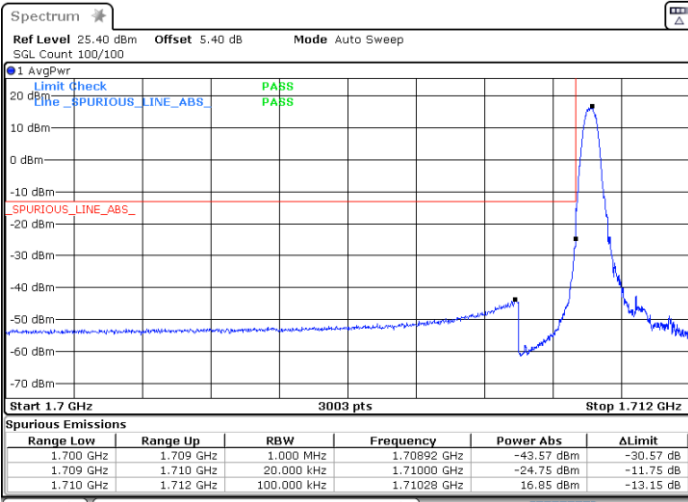
Date: 19.OCT.2024 08:43:28



LTE Band 4 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



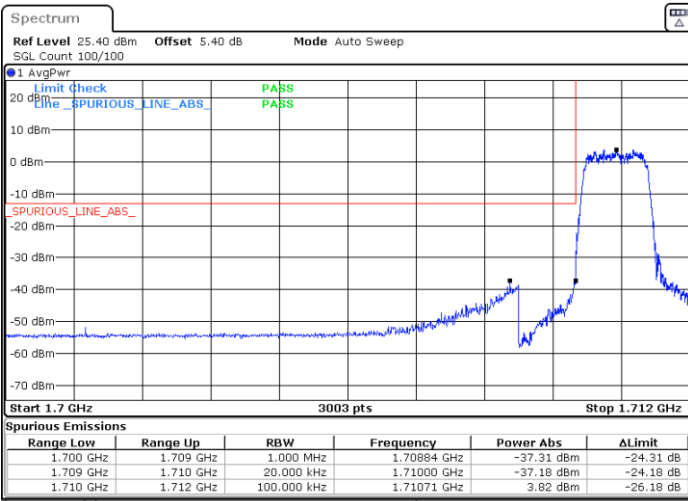
Date: 19.OCT.2024 13:42:52



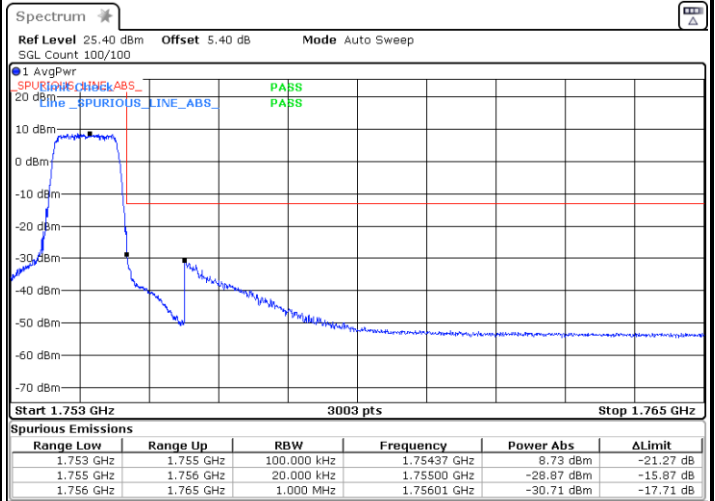
Date: 19.OCT.2024 11:02:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.OCT.2024 10:57:34

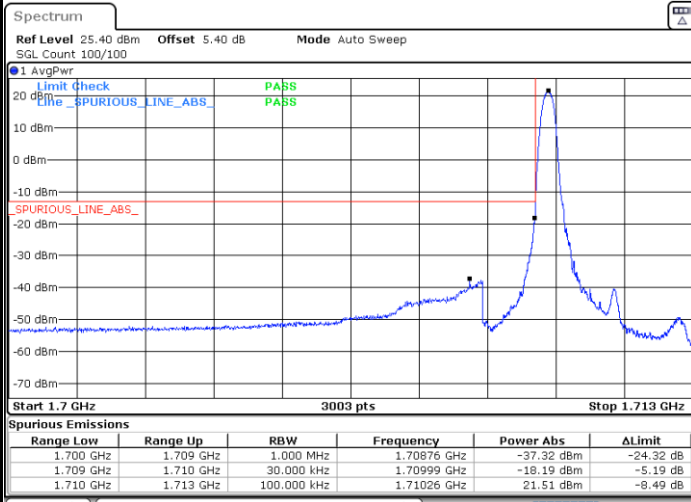


Date: 19.OCT.2024 11:03:43



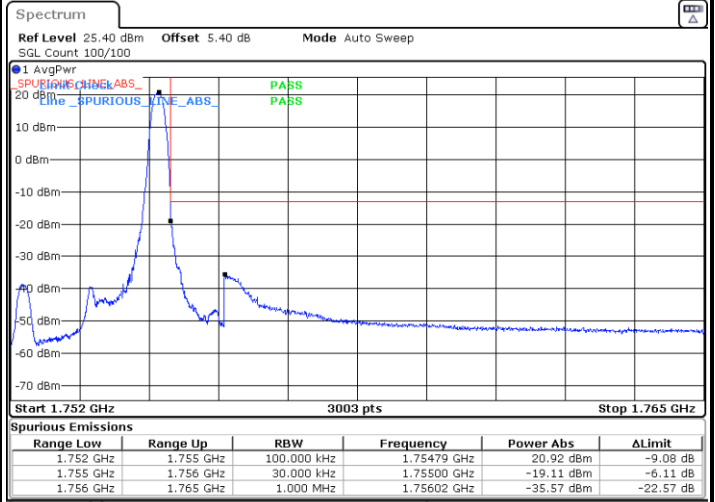
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



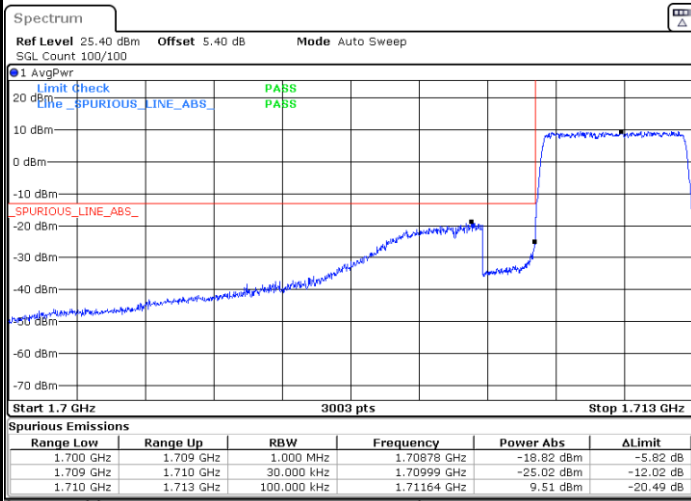
Date: 19.OCT.2024 08:47:57

Highest Band Edge / 1 RB



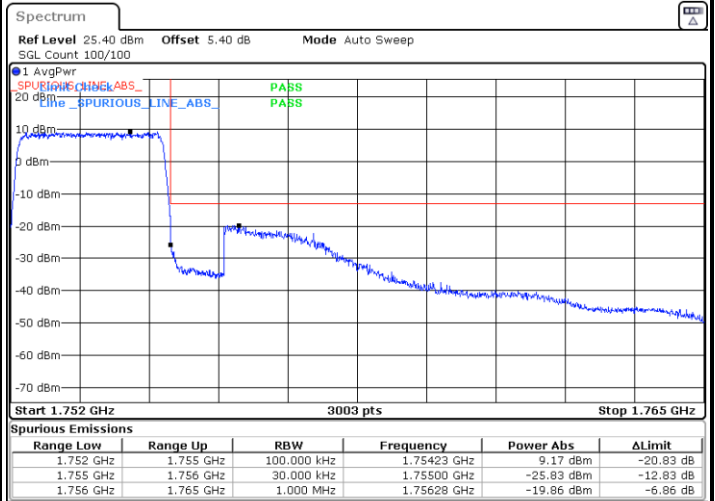
Date: 19.OCT.2024 09:02:27

Lowest Band Edge / Full RB



Date: 19.OCT.2024 08:58:40

Highest Band Edge / Full RB

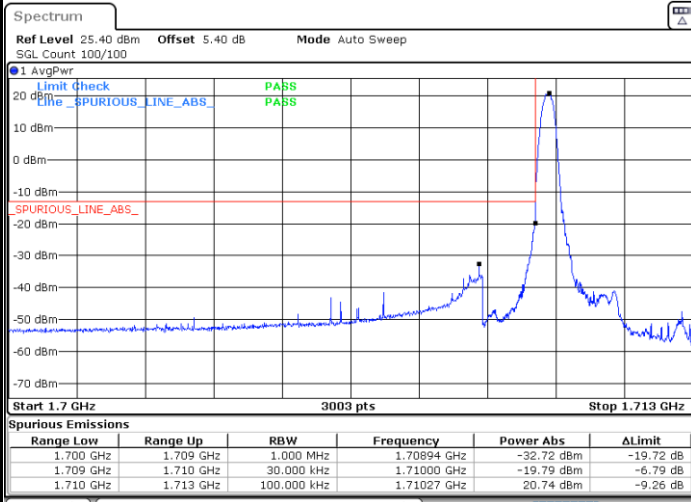


Date: 19.OCT.2024 09:07:32



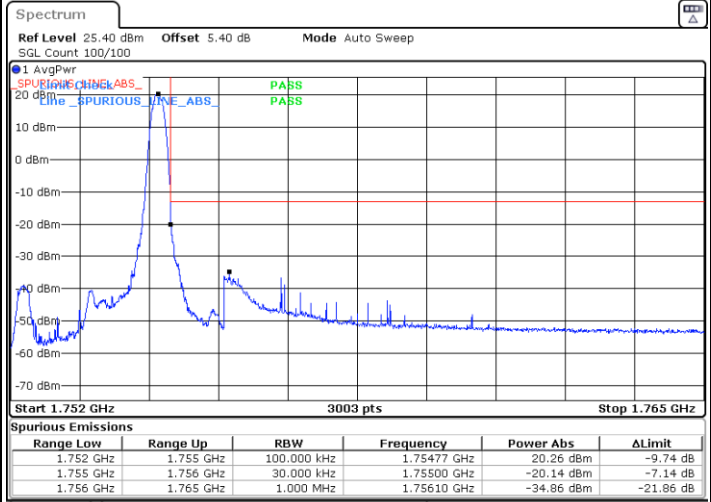
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



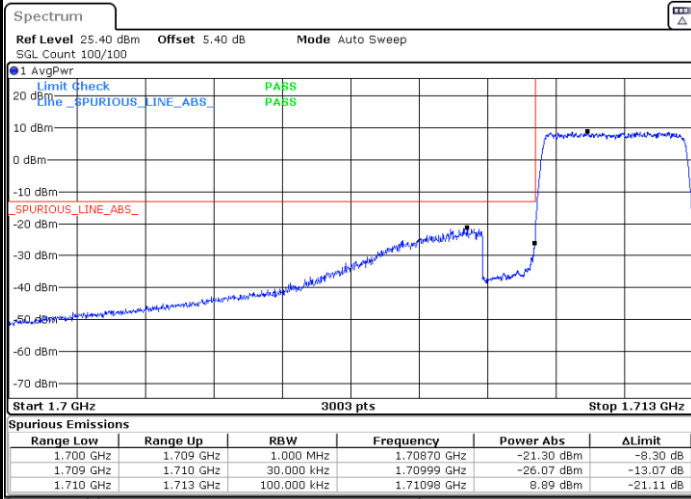
Date: 19.OCT.2024 08:54:36

Highest Band Edge / 1 RB



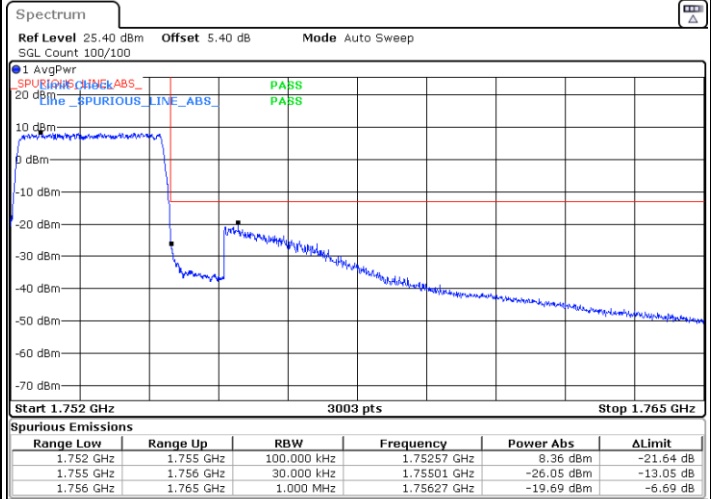
Date: 19.OCT.2024 09:03:28

Lowest Band Edge / Full RB



Date: 19.OCT.2024 08:57:39

Highest Band Edge / Full RB

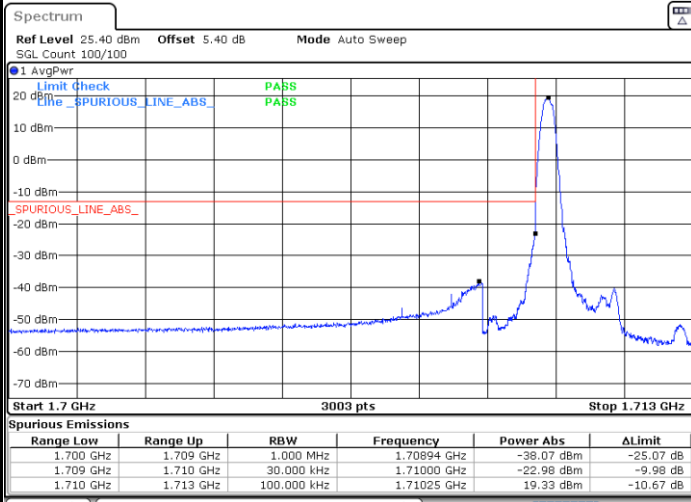


Date: 19.OCT.2024 09:06:31



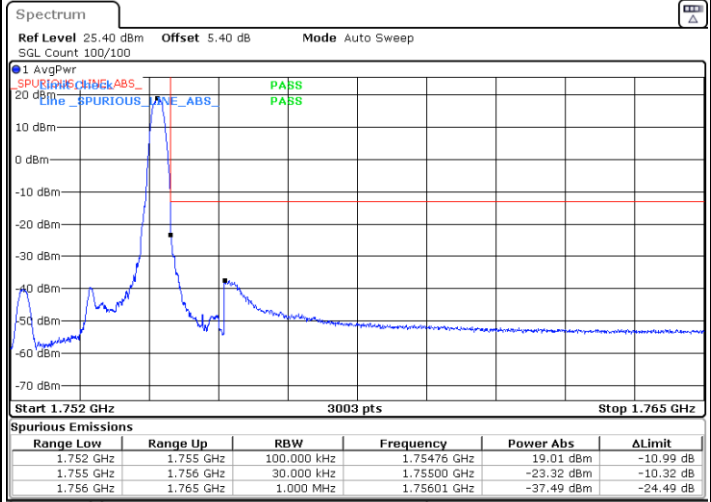
LTE Band 4 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



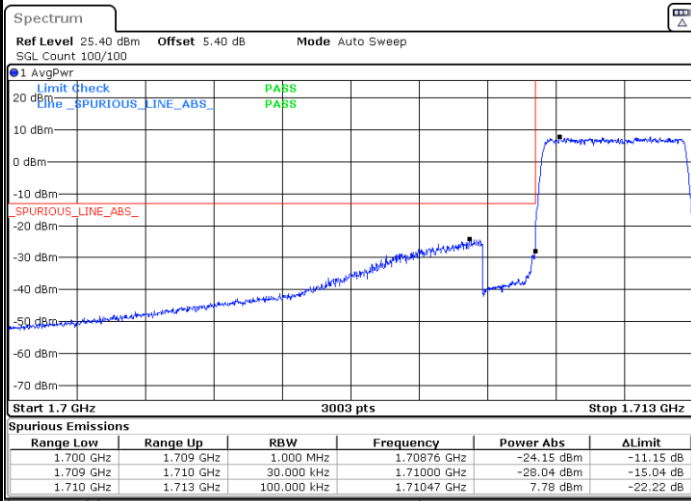
Date: 19.OCT.2024 08:55:37

Highest Band Edge / 1 RB



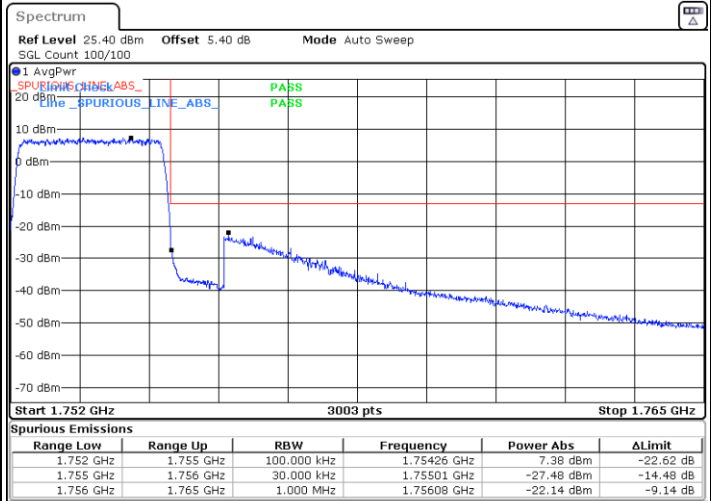
Date: 19.OCT.2024 09:04:29

Lowest Band Edge / Full RB



Date: 19.OCT.2024 08:56:38

Highest Band Edge / Full RB



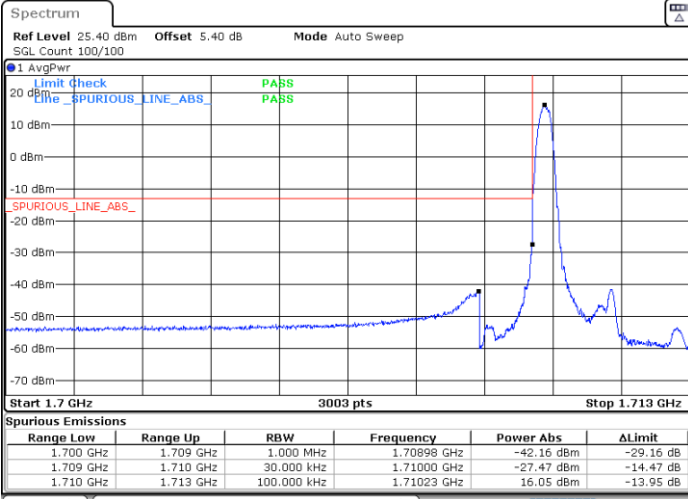
Date: 19.OCT.2024 09:05:30



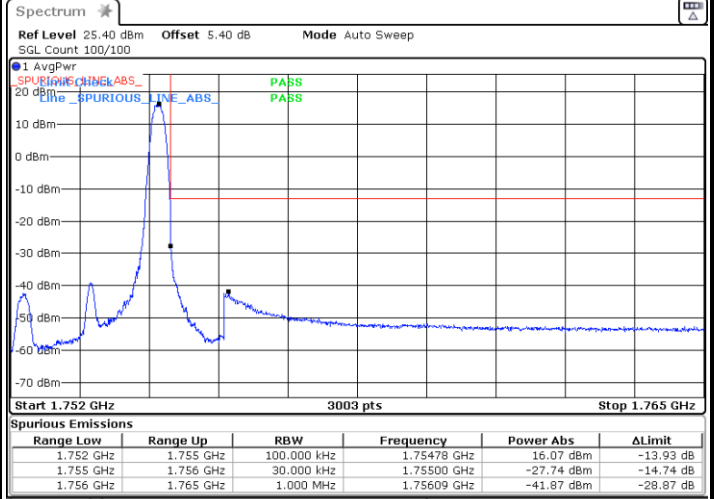
LTE Band 4 / 3MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



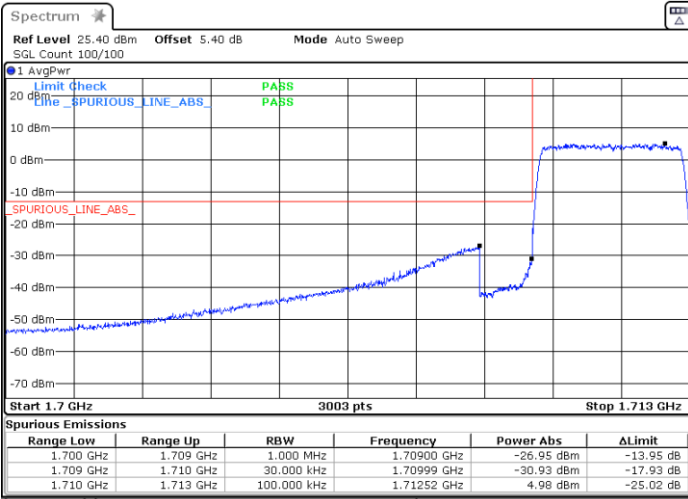
Date: 19.OCT.2024 11:08:04



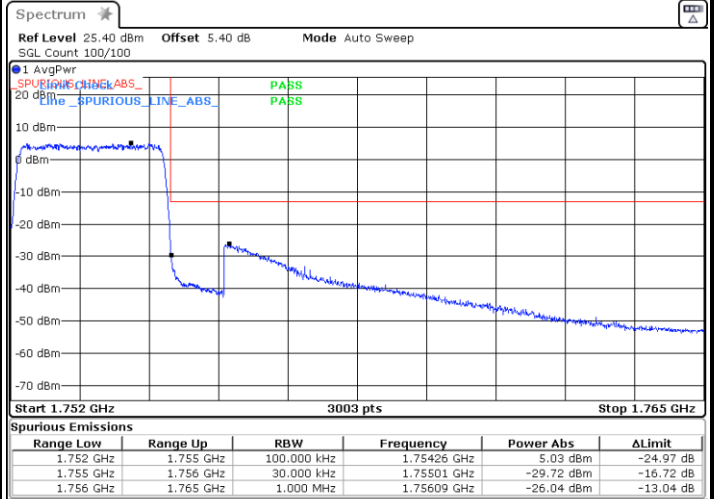
Date: 19.OCT.2024 13:40:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.OCT.2024 11:07:03



Date: 19.OCT.2024 11:11:06