

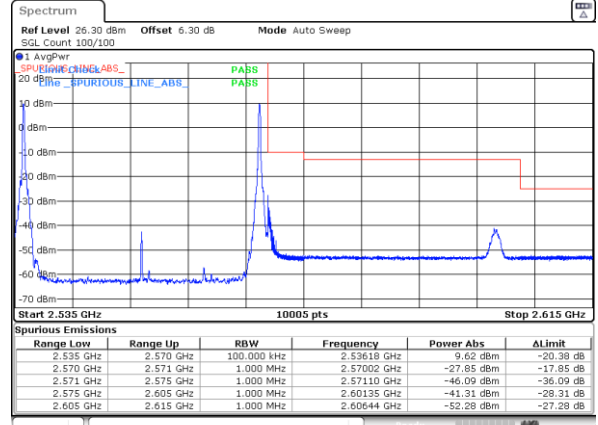
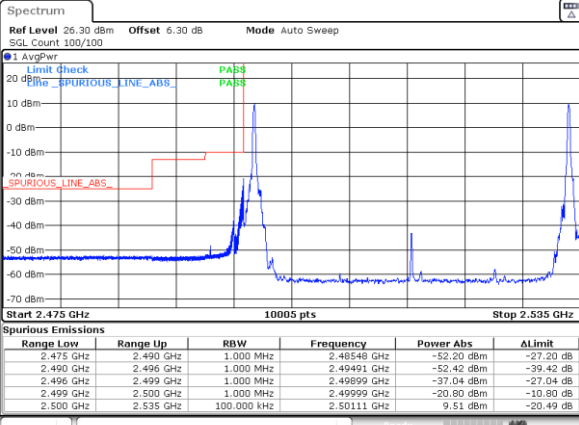


LTE Band 7C / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

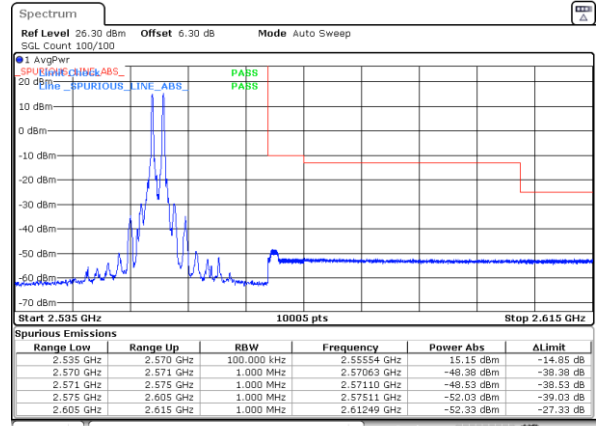
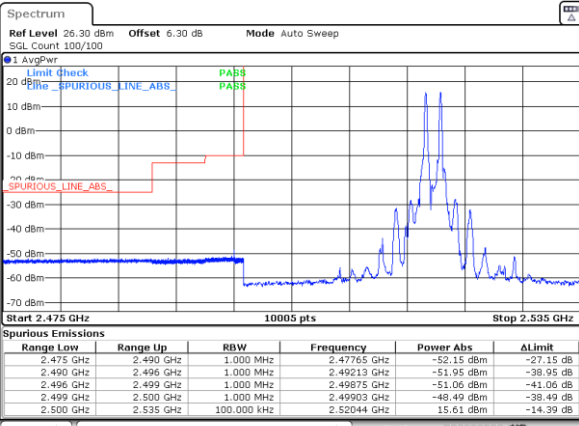


Date: 2.FEB.2024 21:59:56

Date: 2.FEB.2024 22:12:53

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

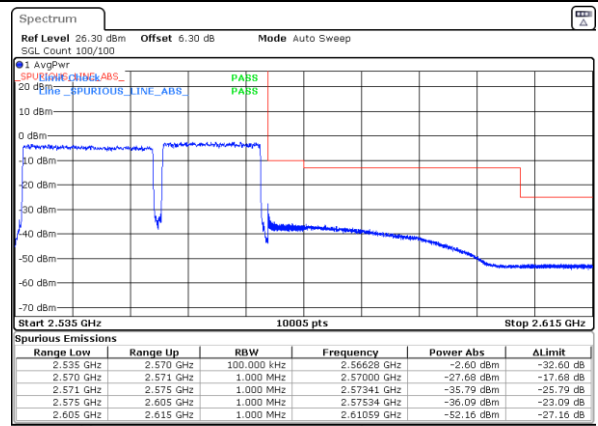
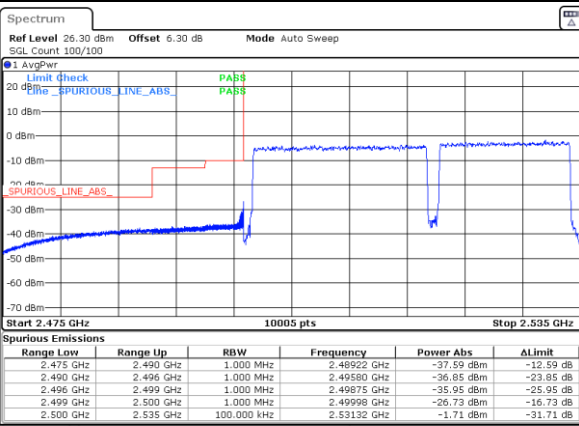


Date: 2.FEB.2024 22:03:09

Date: 2.FEB.2024 22:12:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.FEB.2024 22:06:32

Date: 2.FEB.2024 22:19:19

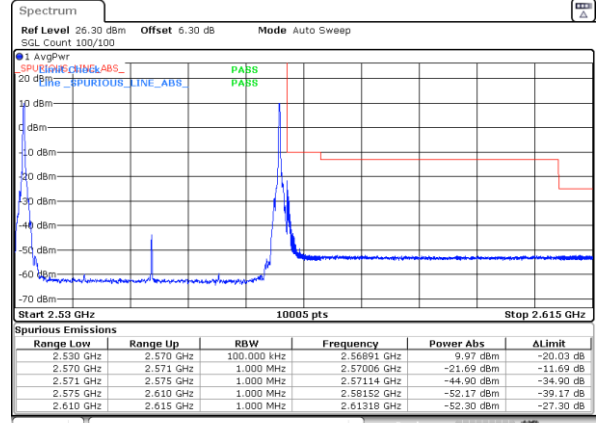
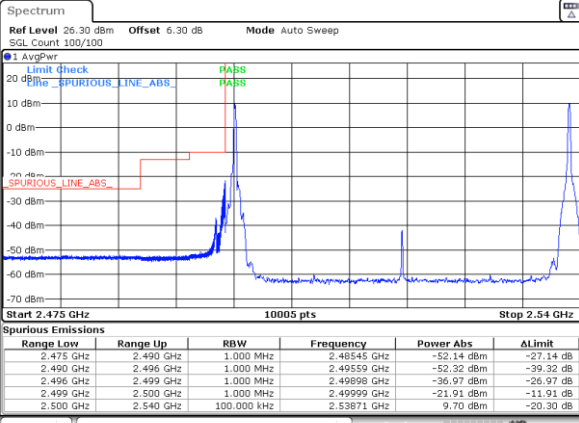


LTE Band 7C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

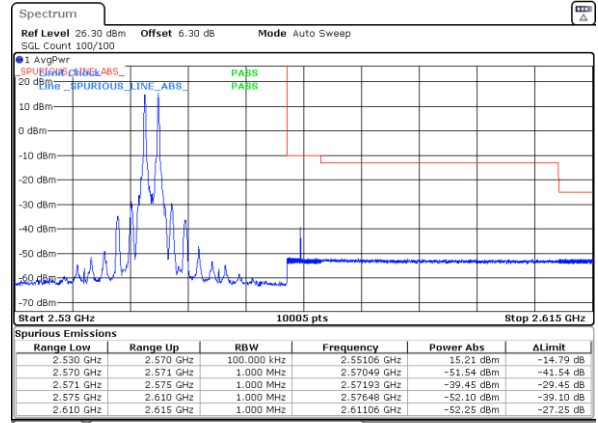
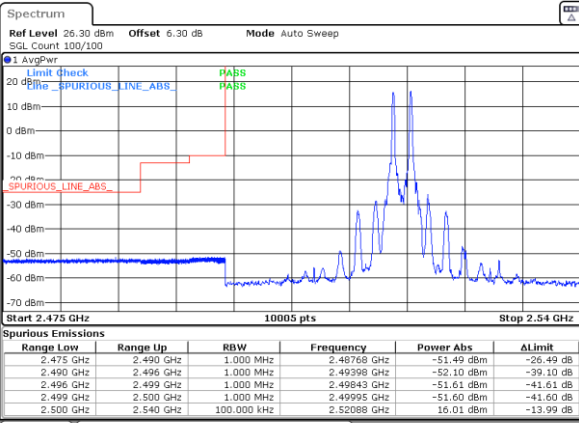


Date: 2.FEB.2024 22:25:57

Date: 2.FEB.2024 22:38:43

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

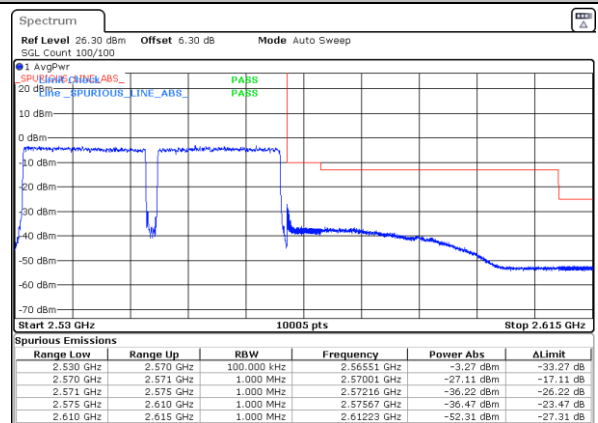
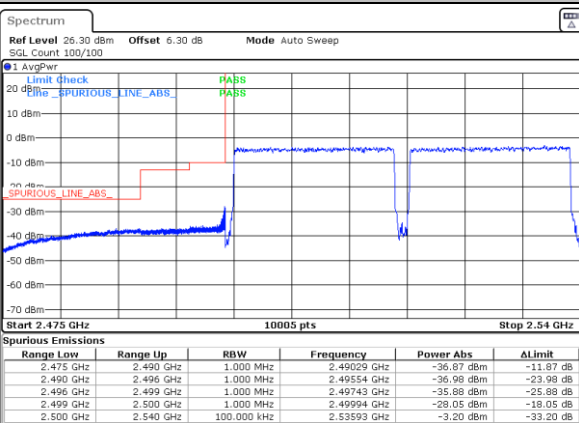


Date: 2.FEB.2024 22:29:09

Date: 2.FEB.2024 22:41:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.FEB.2024 22:32:23

Date: 2.FEB.2024 22:45:09

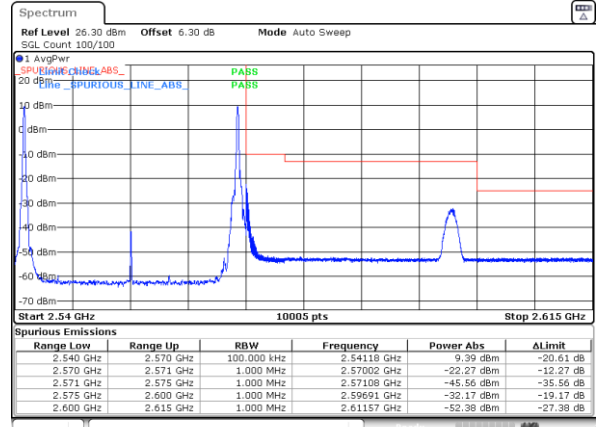
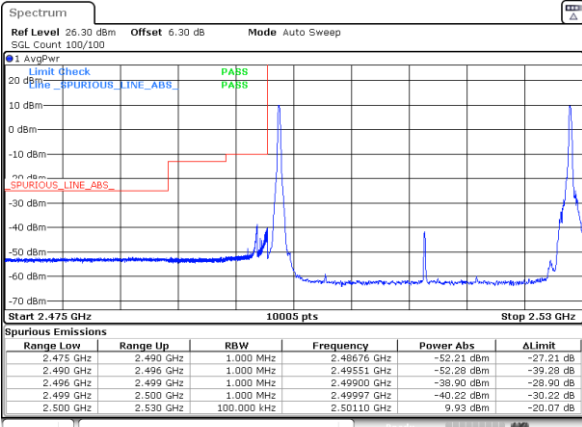


LTE Band 7C / 10MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

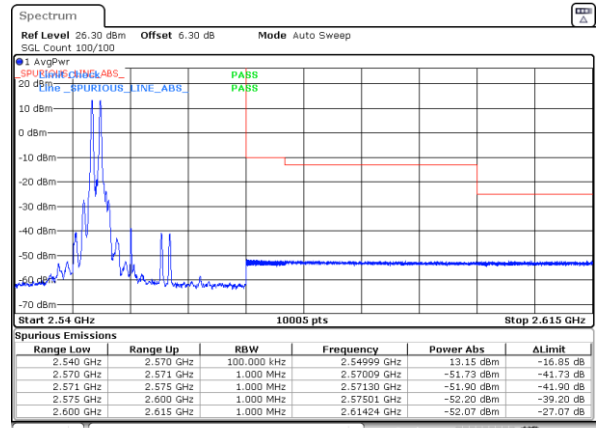
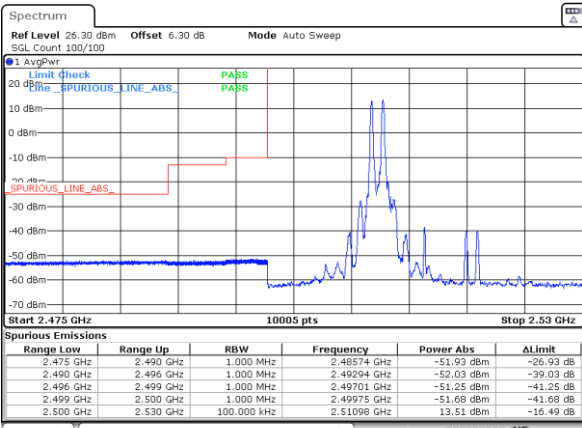


Date: 2.FEB.2024 15:05:18

Date: 2.FEB.2024 15:18:24

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

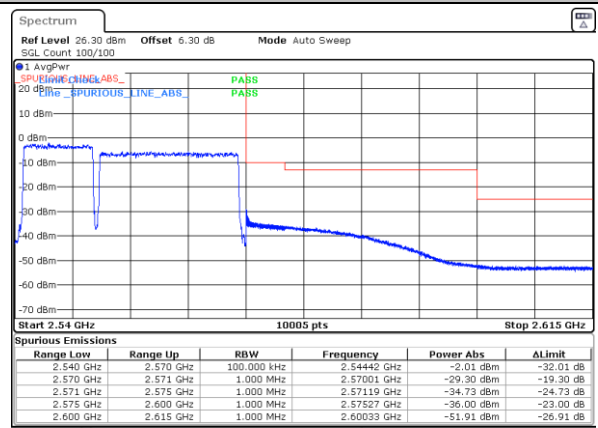
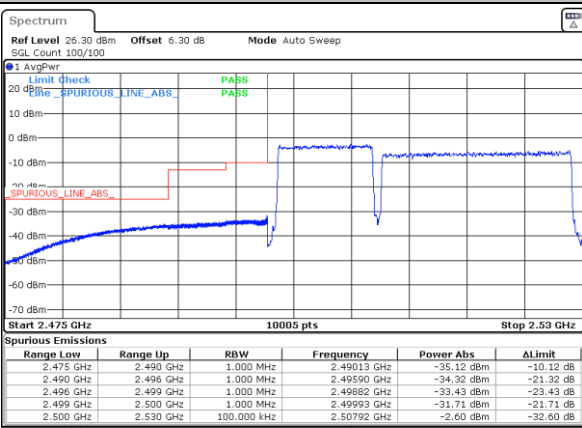


Date: 2.FEB.2024 15:08:50

Date: 2.FEB.2024 15:21:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.FEB.2024 15:12:03

Date: 2.FEB.2024 15:24:51

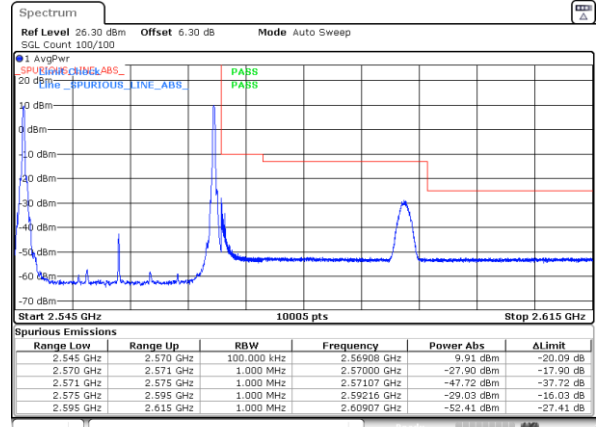
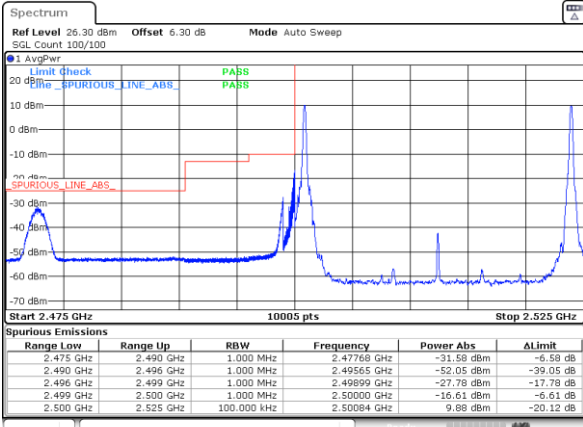


LTE Band 7C / 15MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

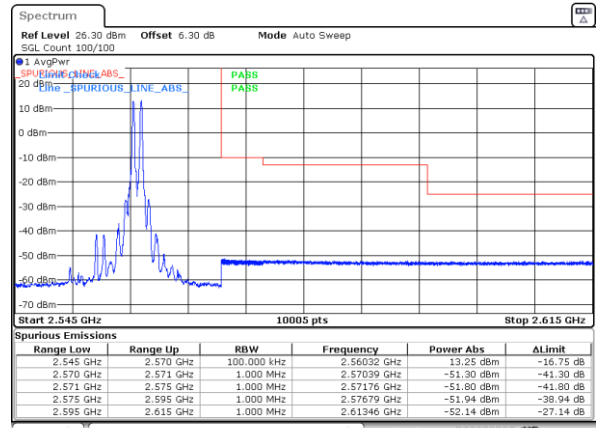
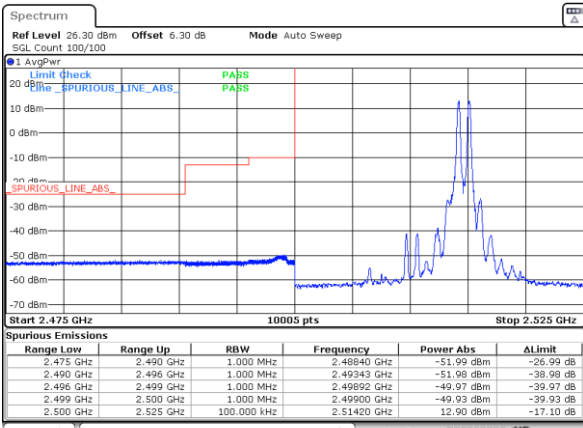


Date: 2.FEB.2024 15:31:39

Date: 2.FEB.2024 15:44:27

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

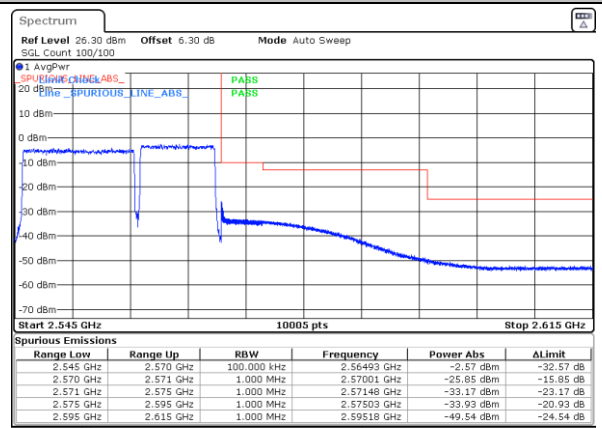
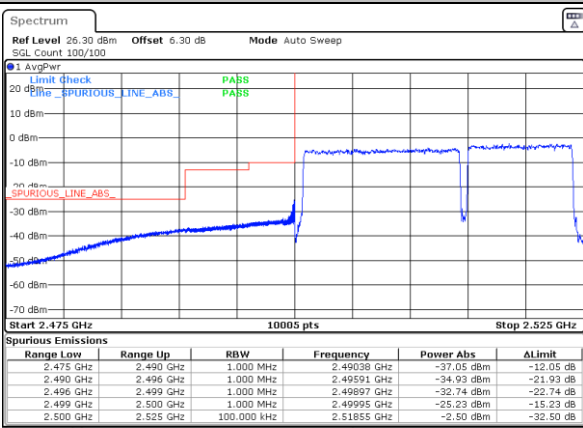


Date: 2.FEB.2024 15:34:52

Date: 2.FEB.2024 15:47:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.FEB.2024 15:38:06

Date: 2.FEB.2024 15:50:57

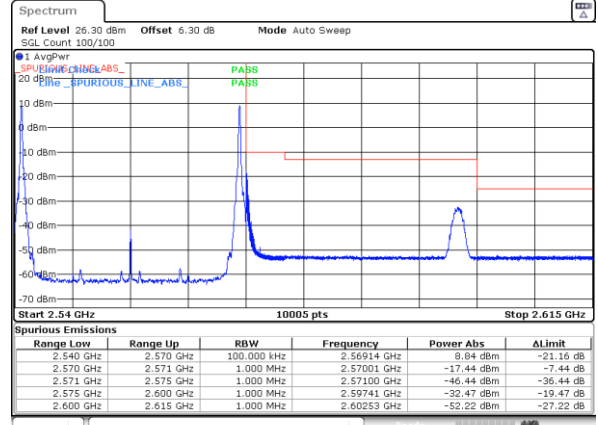
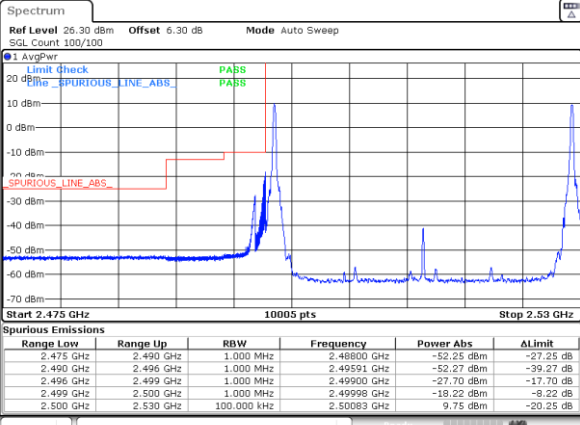


LTE Band 7C / 15MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

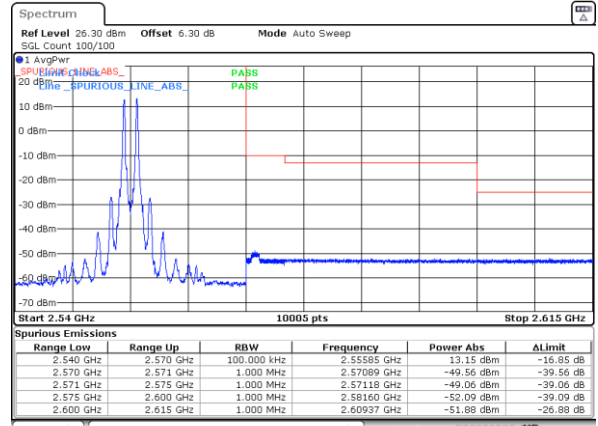
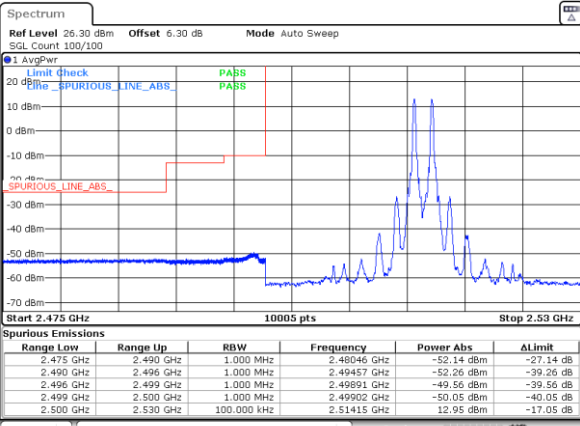


Date: 2.FEB.2024 15:57:36

Date: 2.FEB.2024 16:29:34

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

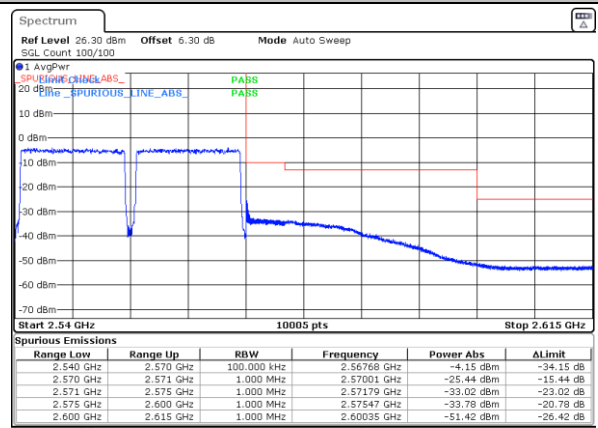
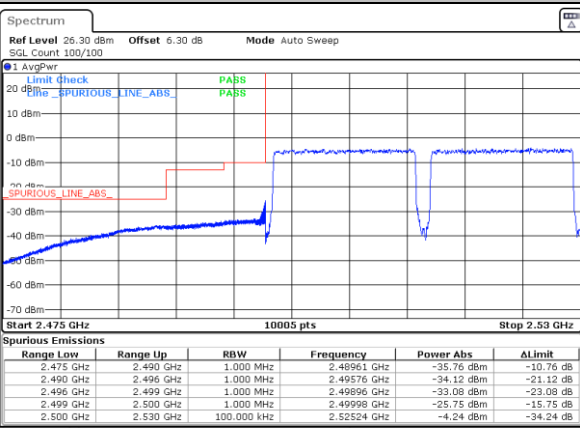


Date: 2.FEB.2024 16:00:49

Date: 2.FEB.2024 16:15:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.FEB.2024 16:04:03

Date: 2.FEB.2024 16:20:09

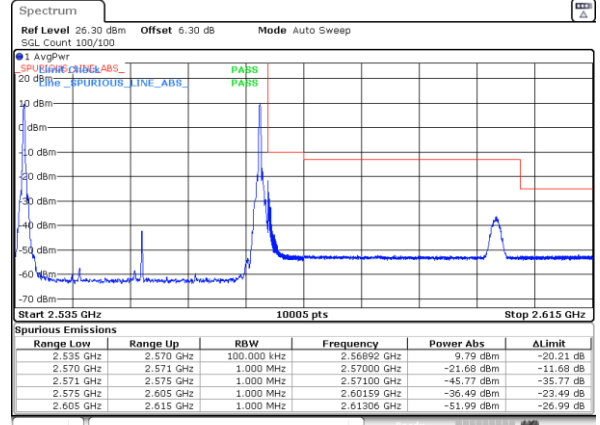
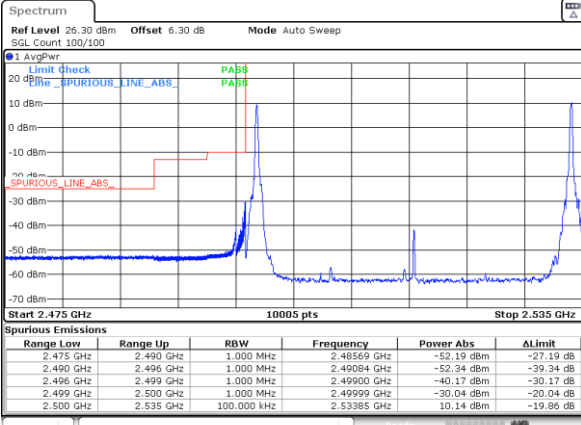


LTE Band 7C / 15MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

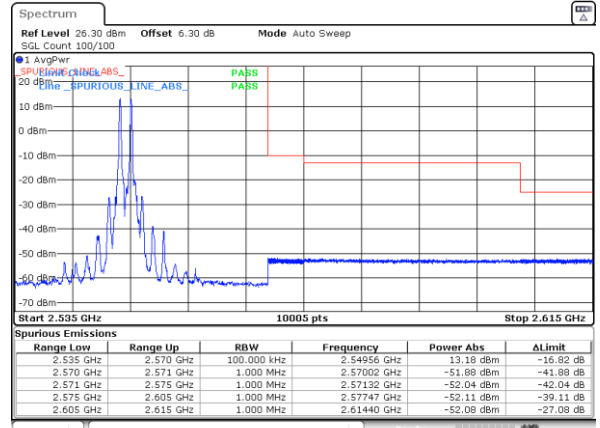
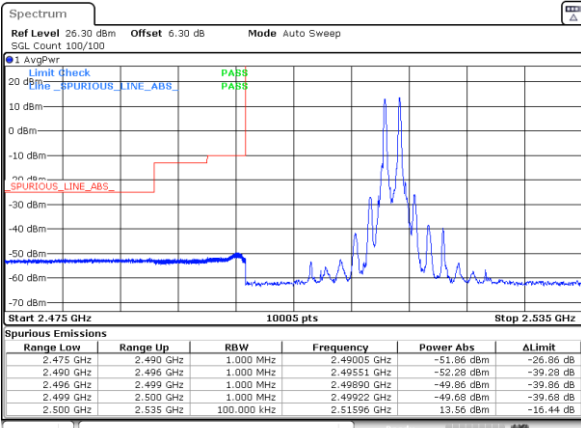


Date: 2.FEB.2024 18:30:38

Date: 2.FEB.2024 18:43:24

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

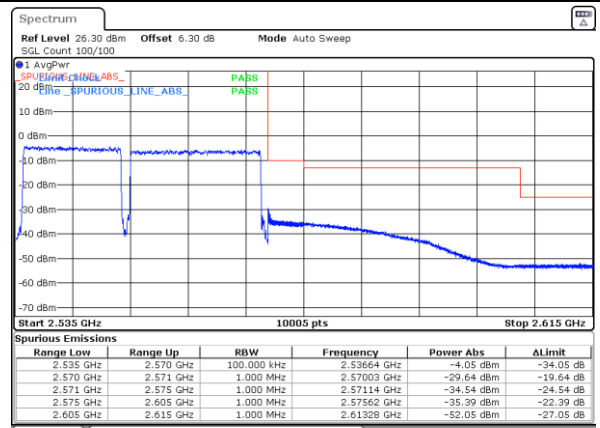
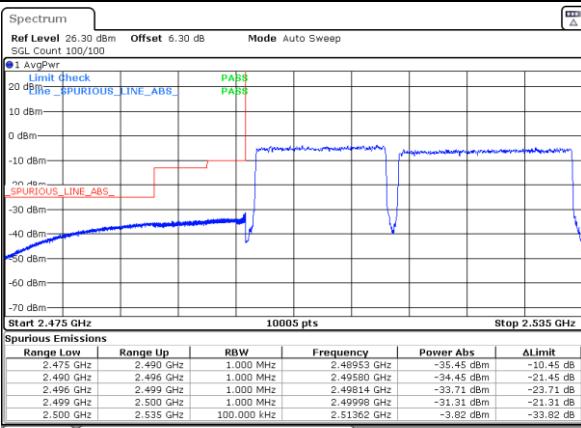


Date: 2.FEB.2024 18:33:51

Date: 2.FEB.2024 18:46:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.FEB.2024 18:37:04

Date: 2.FEB.2024 18:49:48

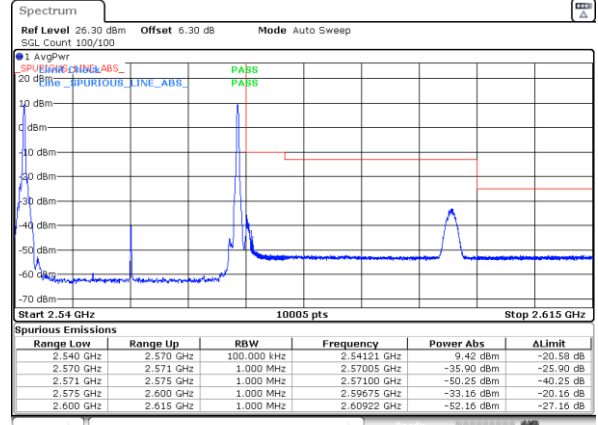
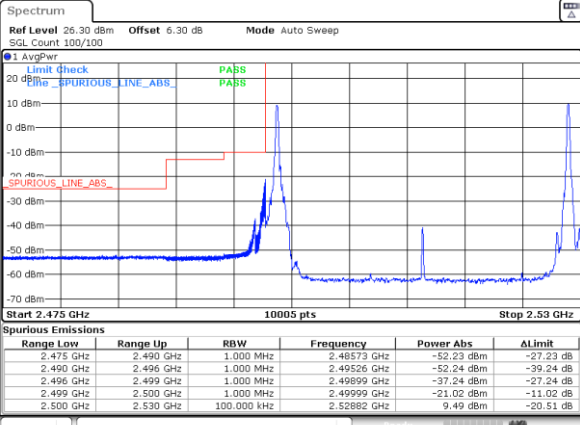


LTE Band 7C / 20MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

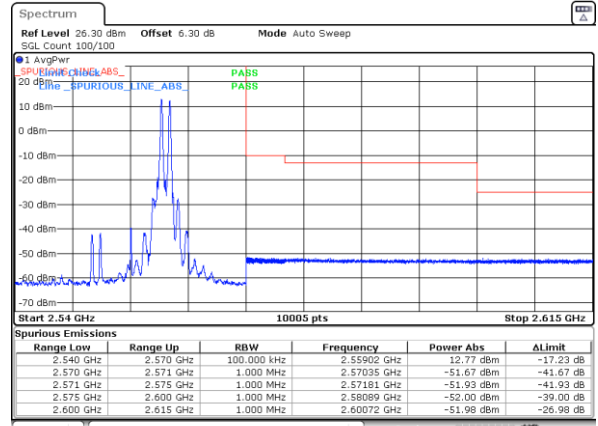
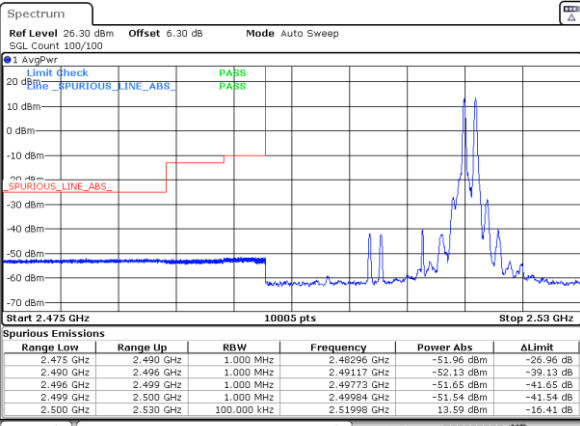


Date: 2.FEB.2024 21:34:56

Date: 2.FEB.2024 21:47:42

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

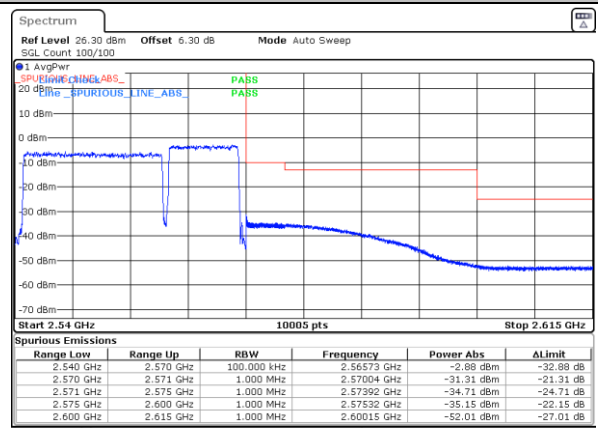
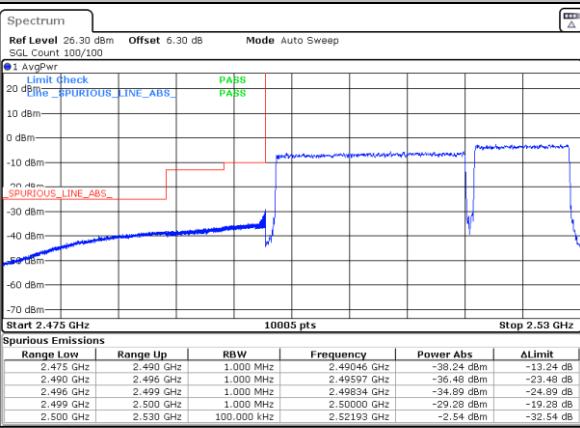


Date: 2.FEB.2024 21:38:09

Date: 2.FEB.2024 21:50:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.FEB.2024 21:41:22

Date: 2.FEB.2024 21:54:07

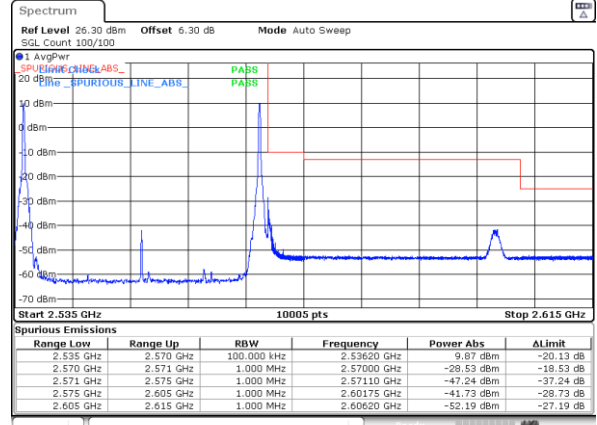
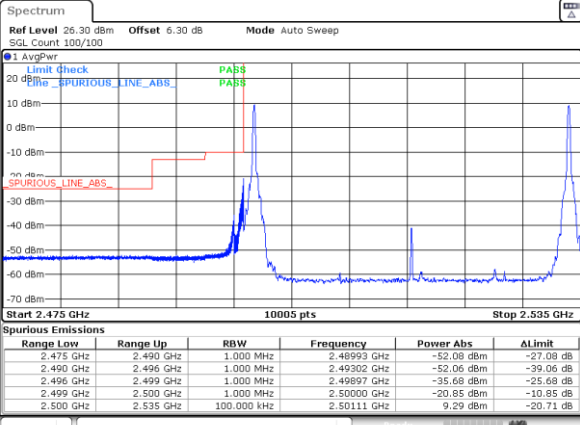


LTE Band 7C / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

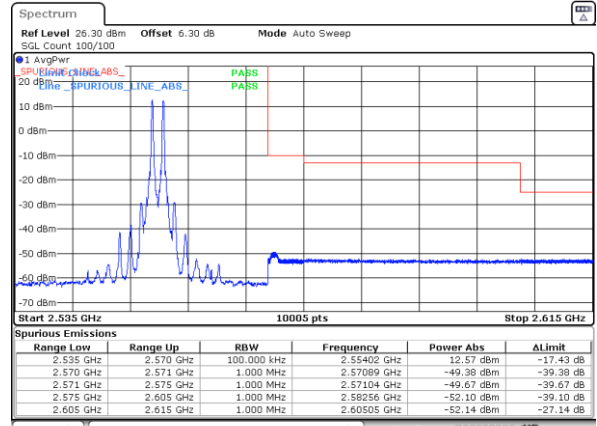
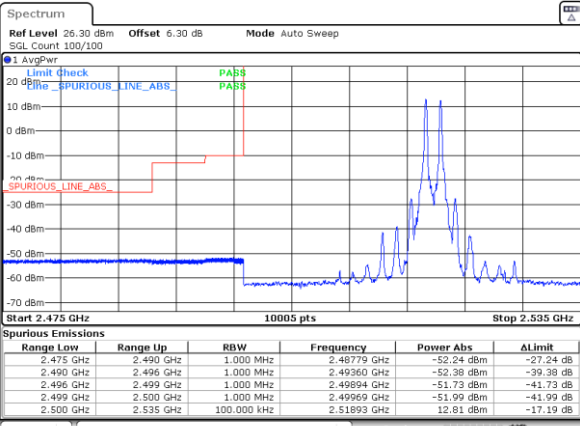


Date: 2.FEB.2024 22:10:44

Date: 2.FEB.2024 22:13:41

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

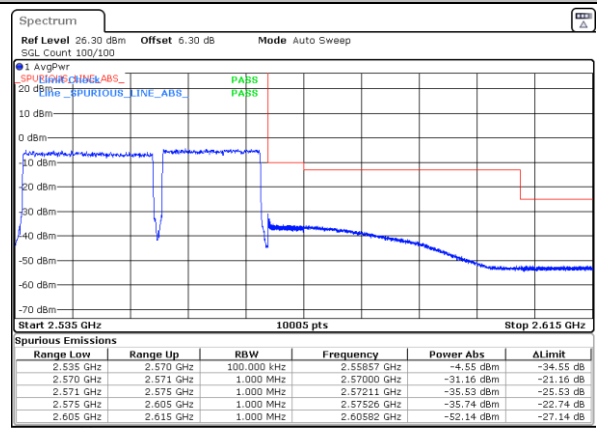
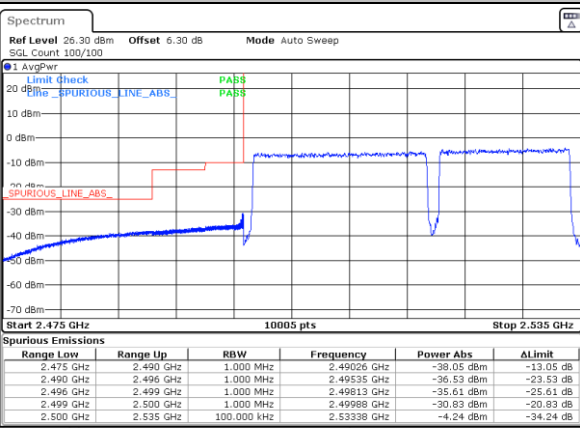


Date: 2.FEB.2024 22:10:57

Date: 2.FEB.2024 22:13:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.FEB.2024 22:10:20

Date: 2.FEB.2024 22:20:07

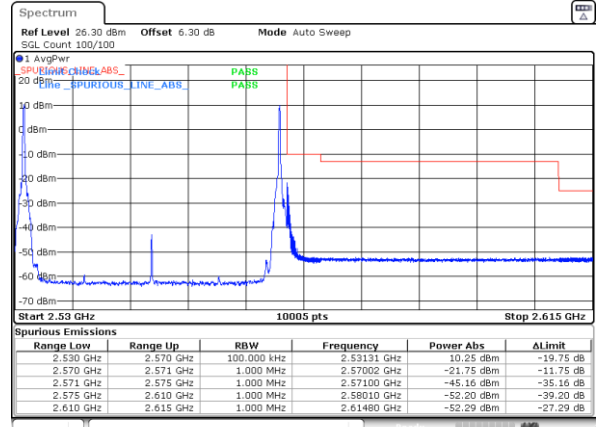
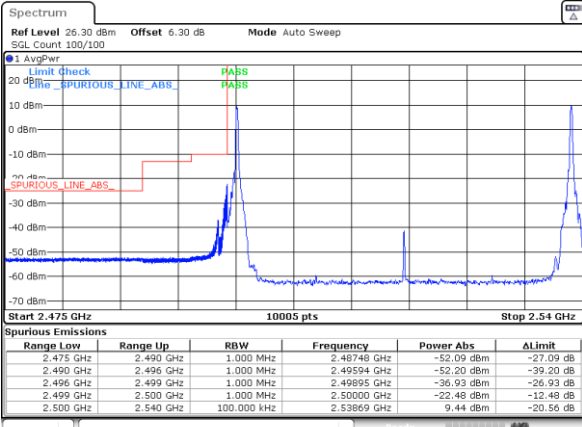


LTE Band 7C / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

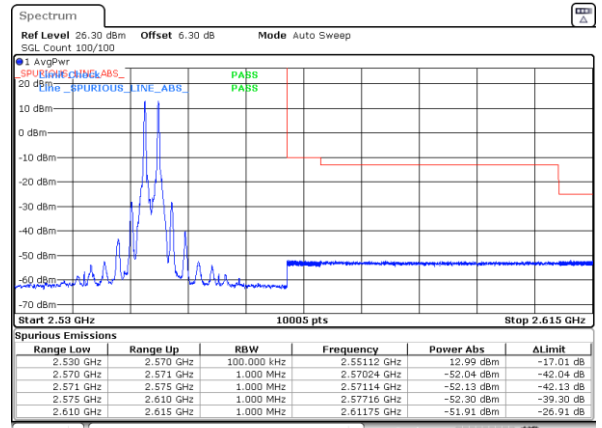
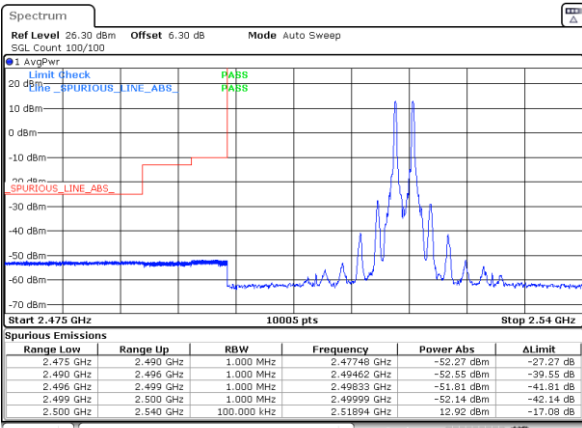


Date: 2.FEB.2024 22:16:45

Date: 2.FEB.2024 22:31:31

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

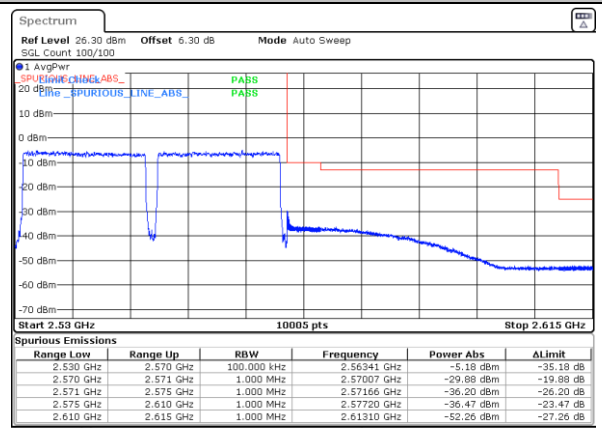
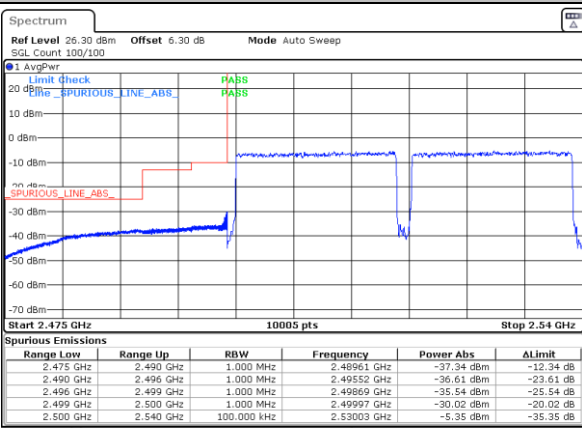


Date: 2.FEB.2024 22:29:57

Date: 2.FEB.2024 22:42:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

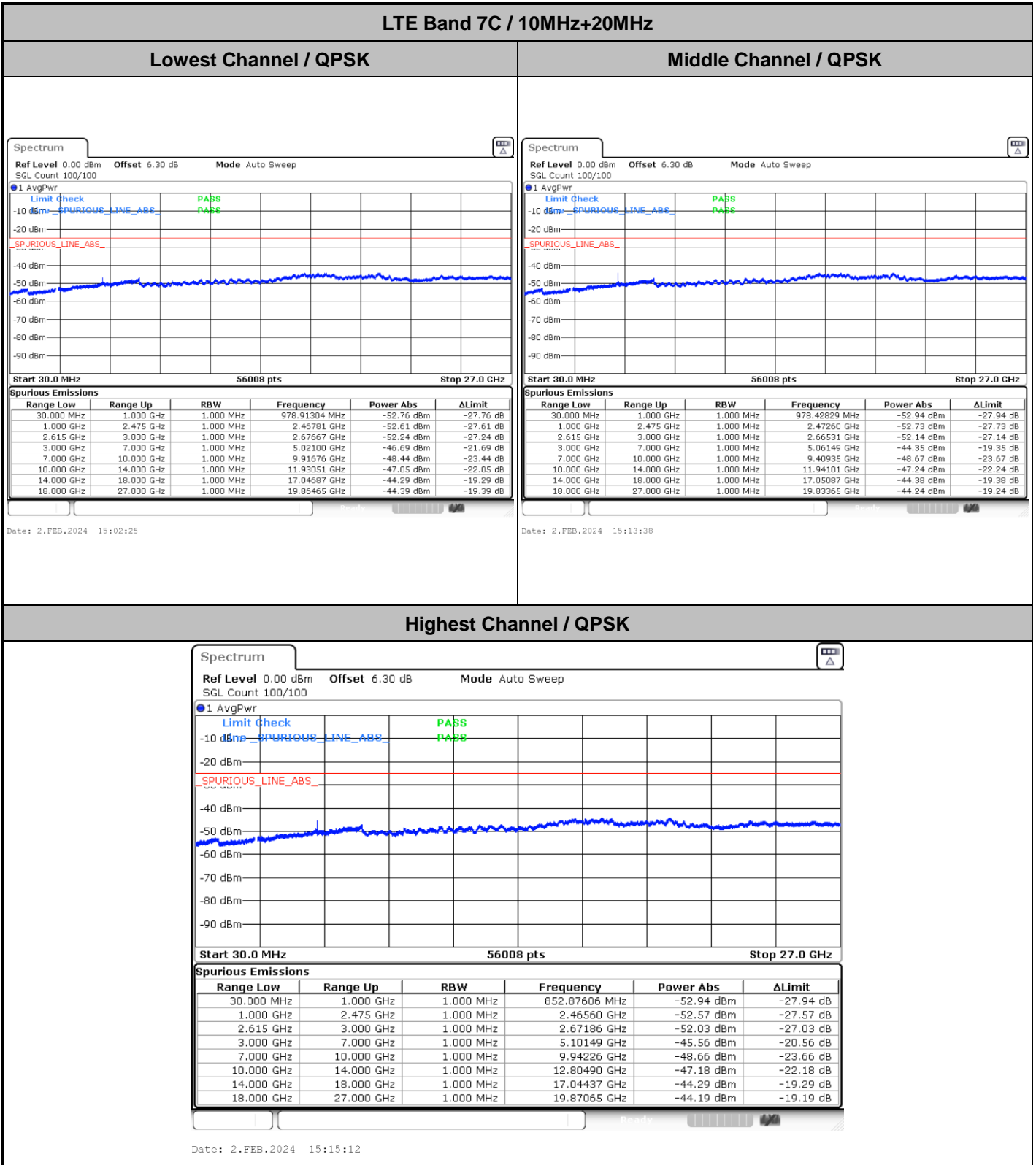


Date: 2.FEB.2024 22:33:11

Date: 2.FEB.2024 22:45:57



Conducted Spurious Emission

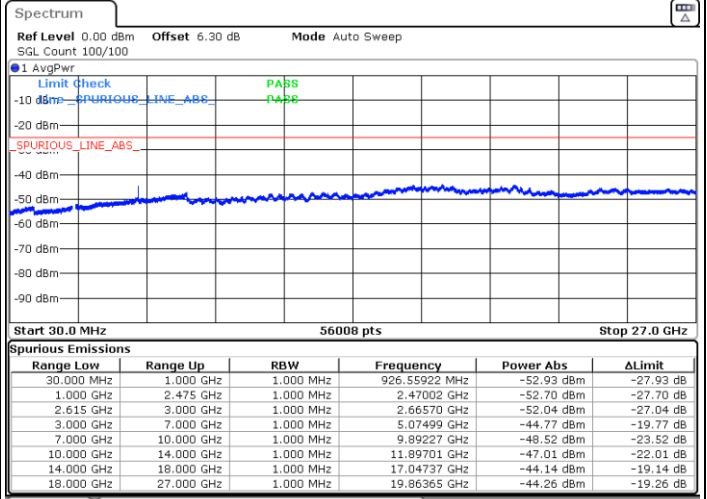
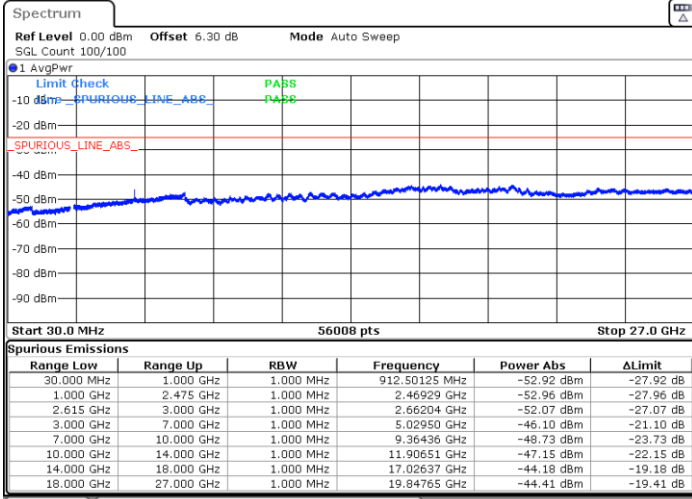




LTE Band 7C / 15MHz+10MHz

Lowest Channel / QPSK

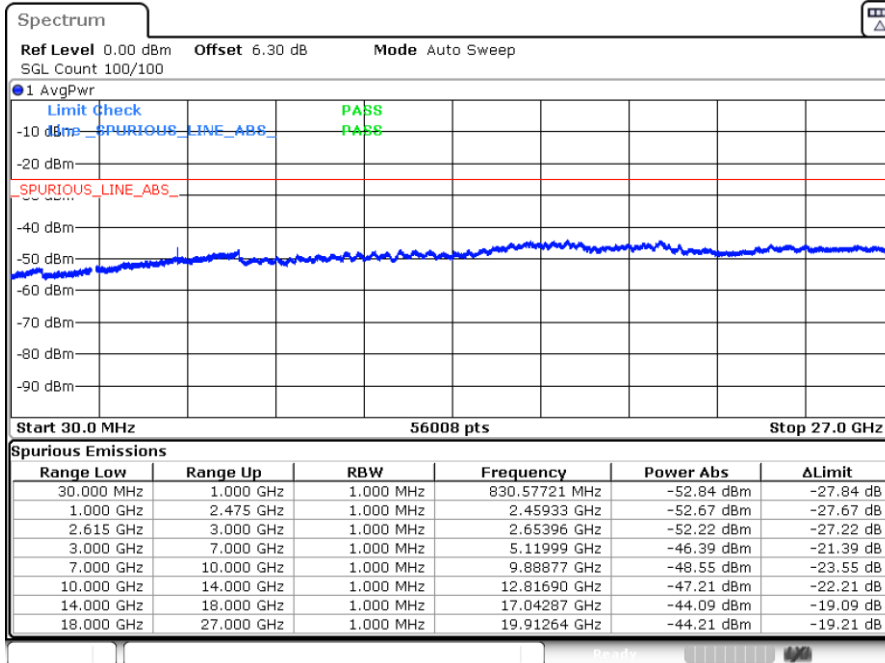
Middle Channel / QPSK



Date: 2.FEB.2024 15:28:25

Date: 2.FEB.2024 15:39:40

Highest Channel / QPSK



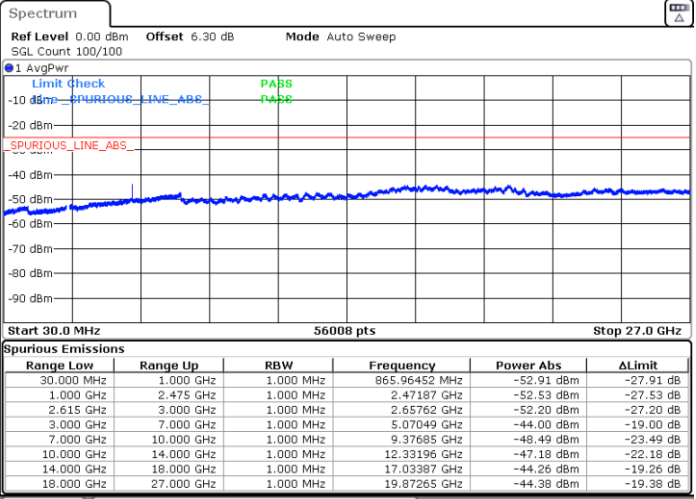
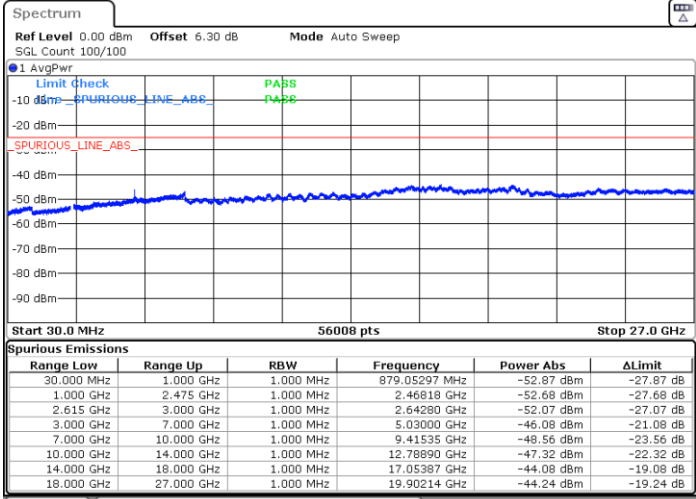
Date: 2.FEB.2024 15:41:14



LTE Band 7C / 15MHz+15MHz

Lowest Channel / QPSK

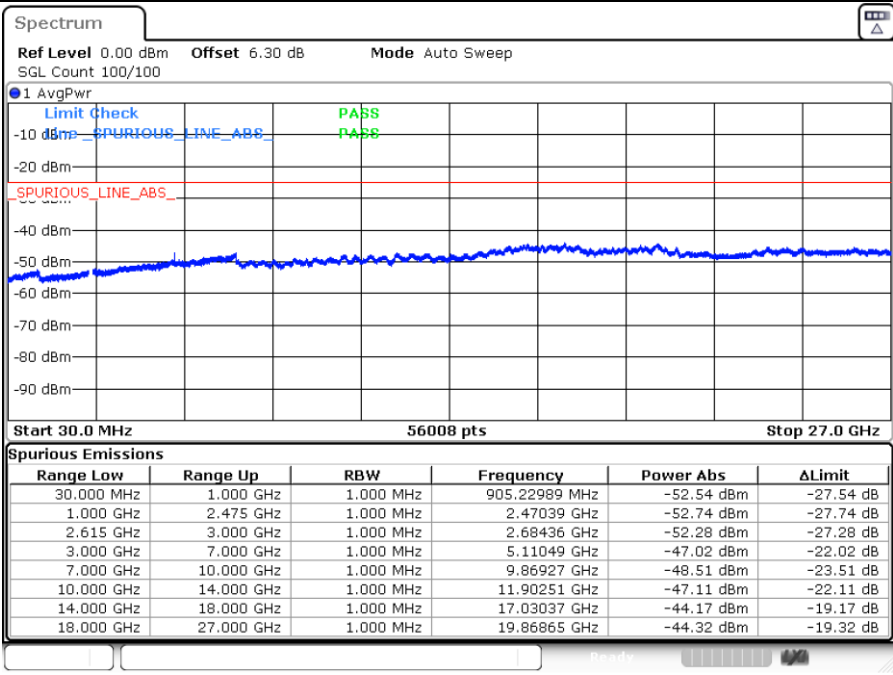
Middle Channel / QPSK



Date: 2.FEB.2024 15:54:22

Date: 2.FEB.2024 16:05:38

Highest Channel / QPSK



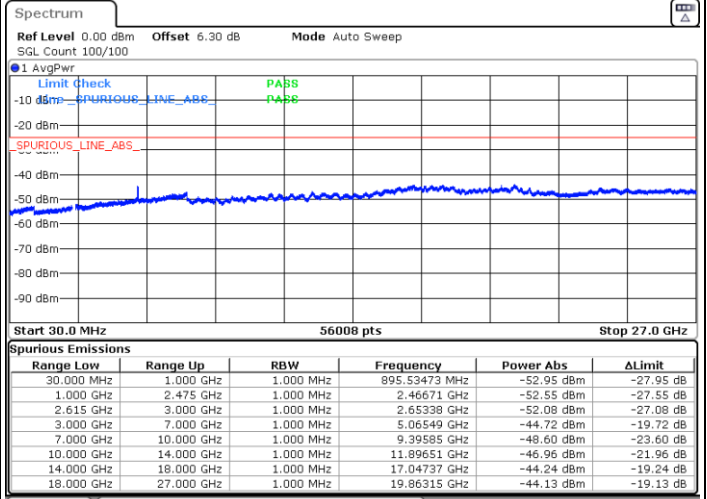
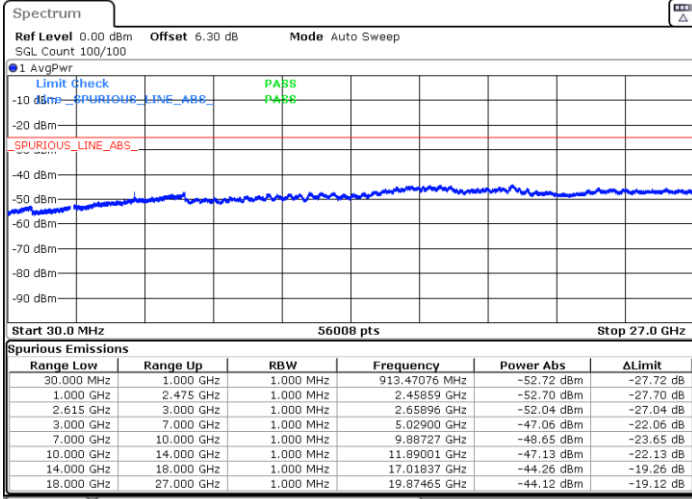
Date: 2.FEB.2024 16:07:11



LTE Band 7C / 15MHz+20MHz

Lowest Channel / QPSK

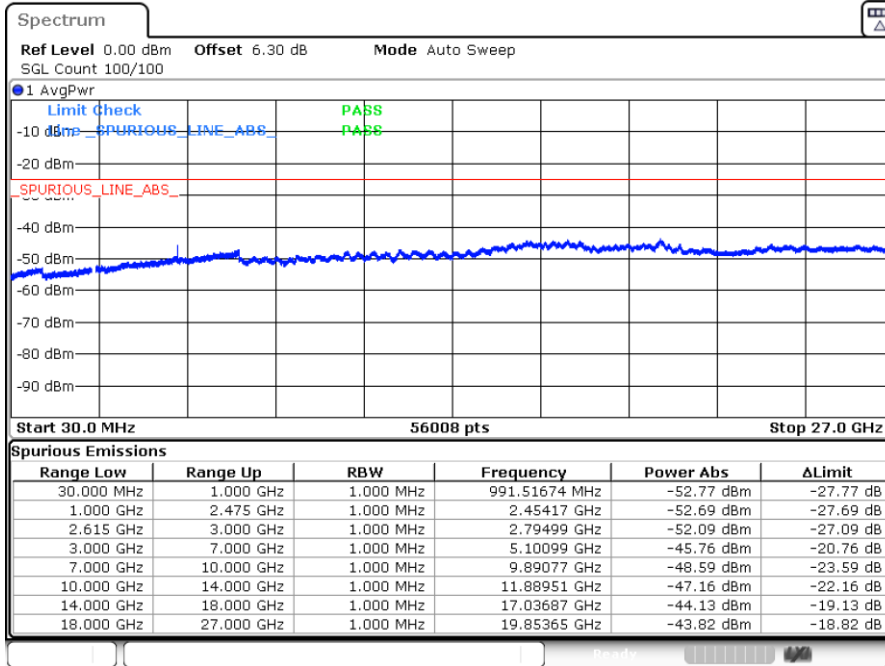
Middle Channel / QPSK



Date: 2.FEB.2024 18:23:35

Date: 2.FEB.2024 18:38:39

Highest Channel / QPSK



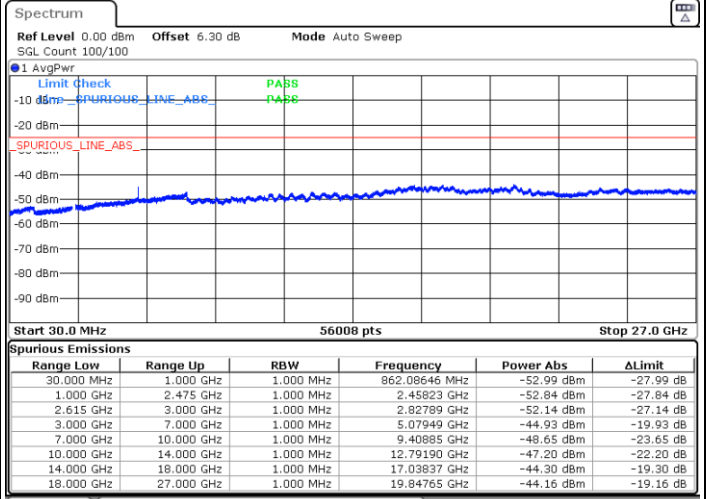
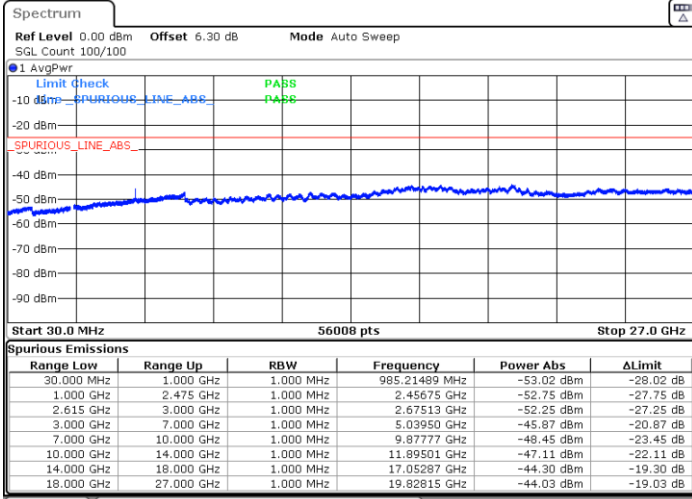
Date: 2.FEB.2024 18:40:12



LTE Band 7C / 20MHz+10MHz

Lowest Channel / QPSK

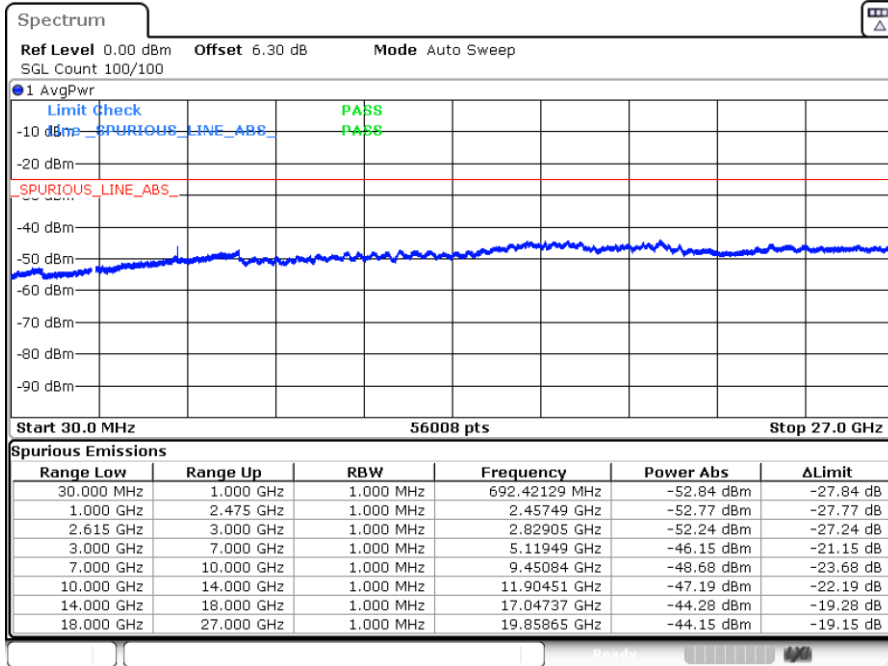
Middle Channel / QPSK



Date: 2.FEB.2024 21:31:44

Date: 2.FEB.2024 21:42:57

Highest Channel / QPSK



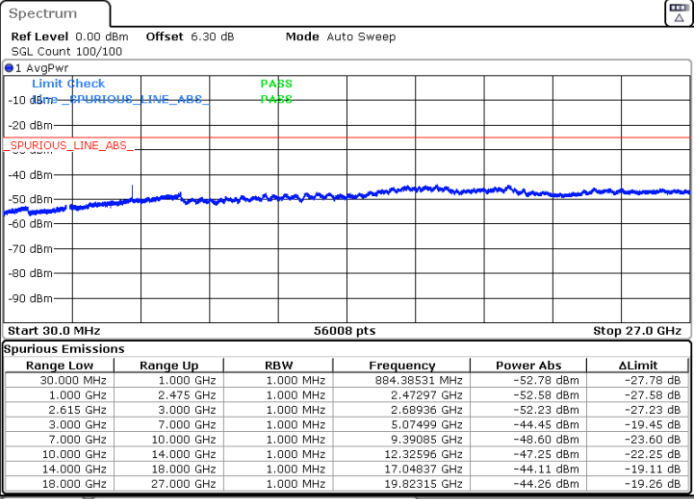
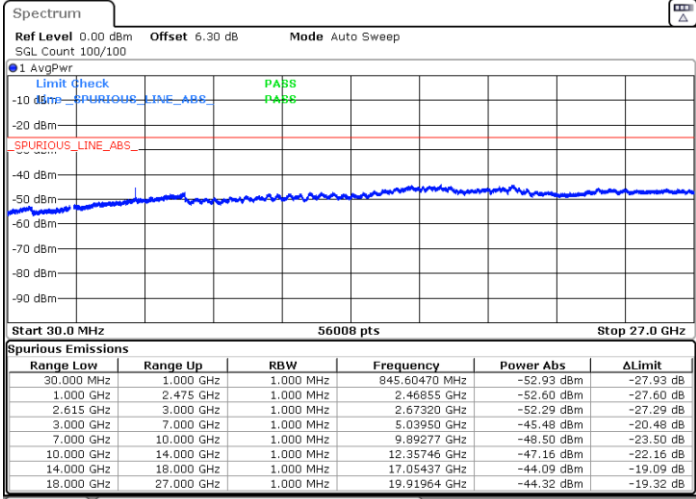
Date: 2.FEB.2024 21:44:30



LTE Band 7C / 20MHz+15MHz

Lowest Channel / QPSK

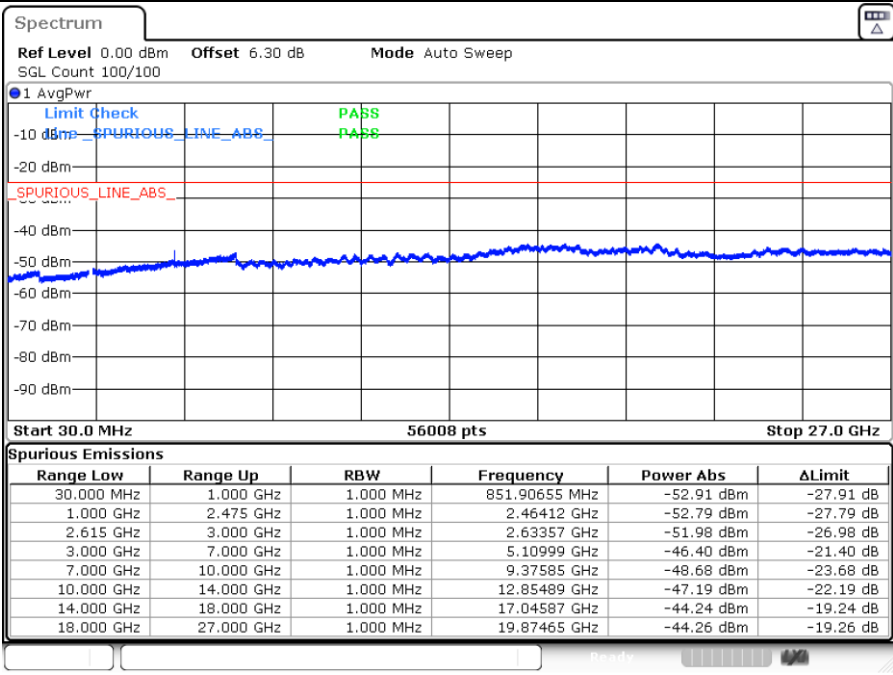
Middle Channel / QPSK



Date: 2.FEB.2024 21:57:32

Date: 2.FEB.2024 22:08:54

Highest Channel / QPSK



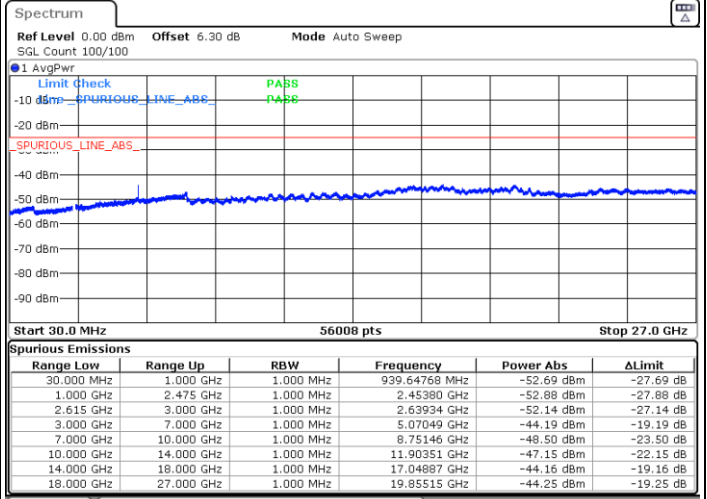
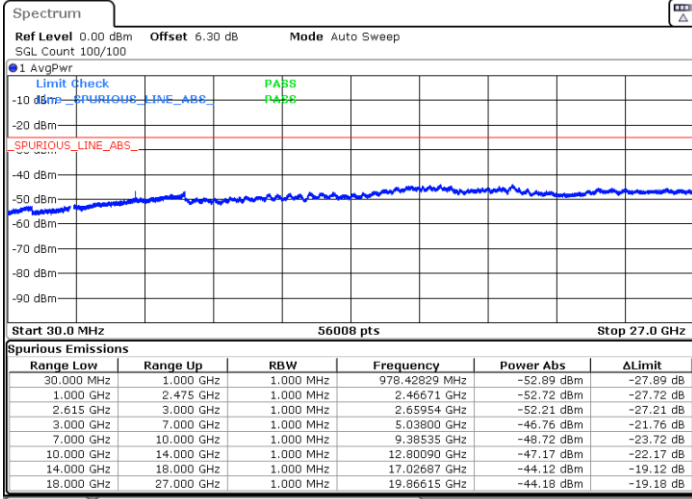
Date: 2.FEB.2024 22:10:29



LTE Band 7C /20MHz+20MHz

Lowest Channel / QPSK

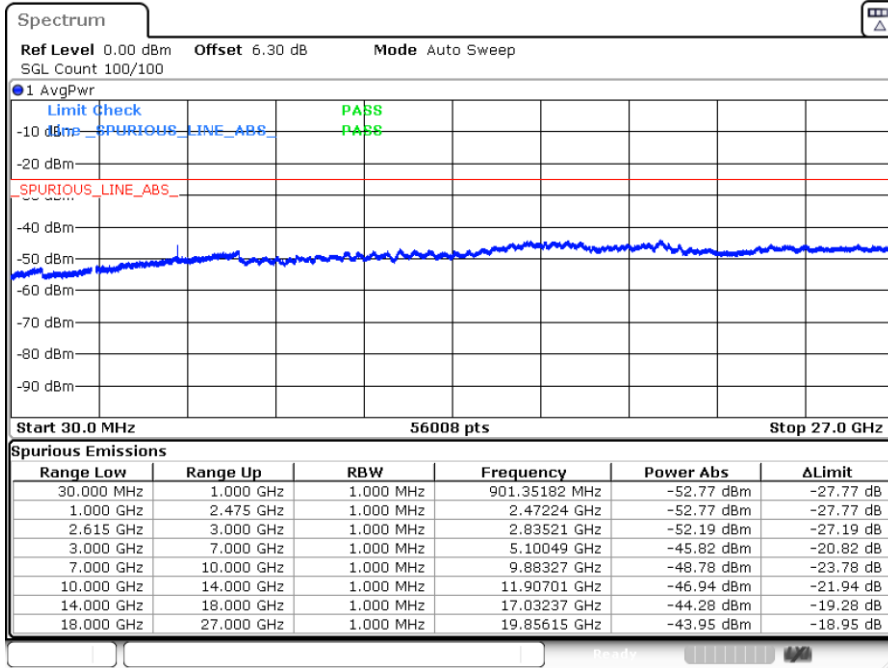
Middle Channel / QPSK



Date: 2.FEB.2024 22:23:32

Date: 2.FEB.2024 22:34:45

Highest Channel / QPSK



Date: 2.FEB.2024 22:36:19



Frequency Stability

Test Conditions		LTE Band 7C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0122	PASS
40	Normal Voltage	0.0057	
30	Normal Voltage	0.0109	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0113	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0055	
-20	Normal Voltage	0.0062	
-30	Normal Voltage	0.0059	
20	Maximum Voltage	0.0089	
20	Normal Voltage	0.0097	
20	Battery End Point	0.0091	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.5V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band CA_41C

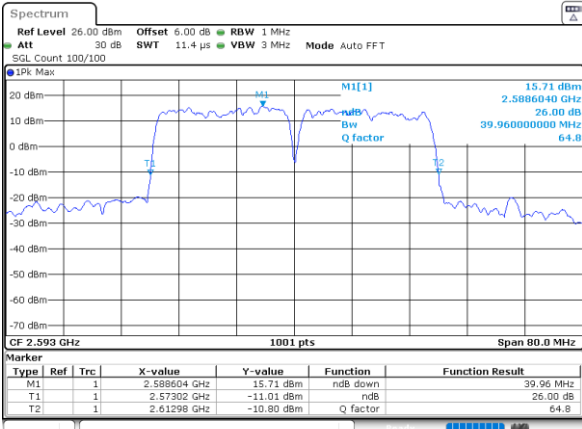
26dB Bandwidth

Mode	LTE Band 41 CA : 26dB BW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	39.96	39.88
BW	20MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	34.97	34.97
BW	20MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	30.21	30.15
BW	20MHz+5MHz	
Mod.	QPSK	16QAM
Middle CH	24.98	24.88
BW	15MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	35.25	34.90
BW	15MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	30.69	30.69
BW	15MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	25.57	25.28
BW	10MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	30.03	30.03
BW	10MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	25.23	25.28
BW	5MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	24.83	24.78



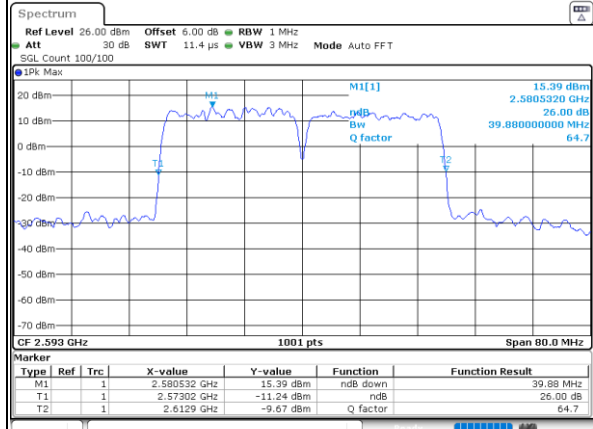
LTE Band 41 CA

Middle Channel / 20MHz+20MHz / QPSK



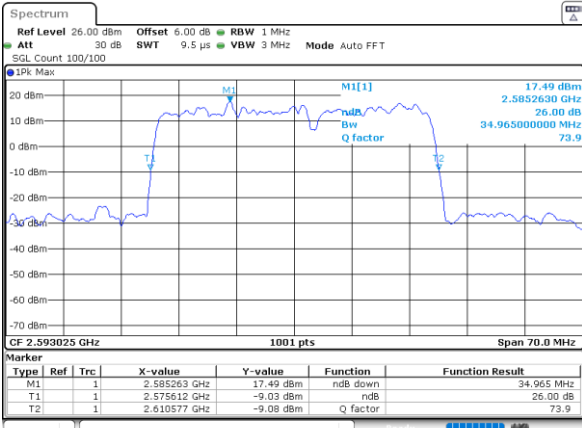
Date: 1.FEB.2024 17:53:35

Middle Channel / 20MHz+20MHz / 16QAM



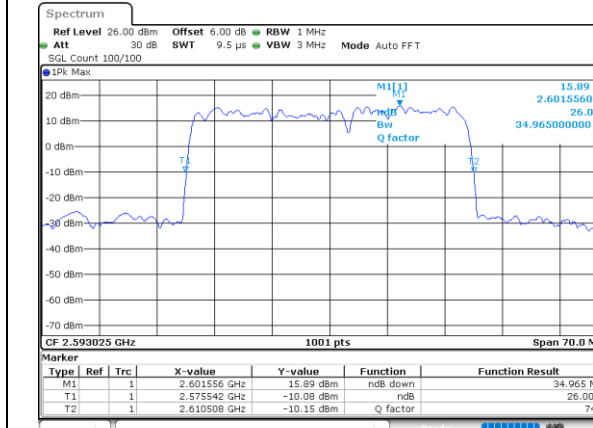
Date: 1.FEB.2024 17:54:02

Middle Channel / 20MHz+15MHz / QPSK



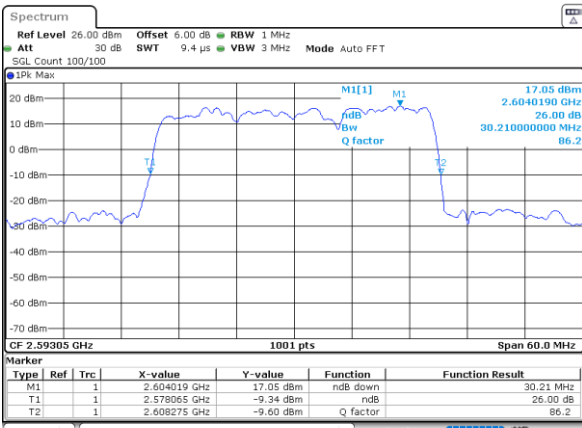
Date: 1.FEB.2024 17:51:42

Middle Channel / 20MHz+15MHz / 16QAM



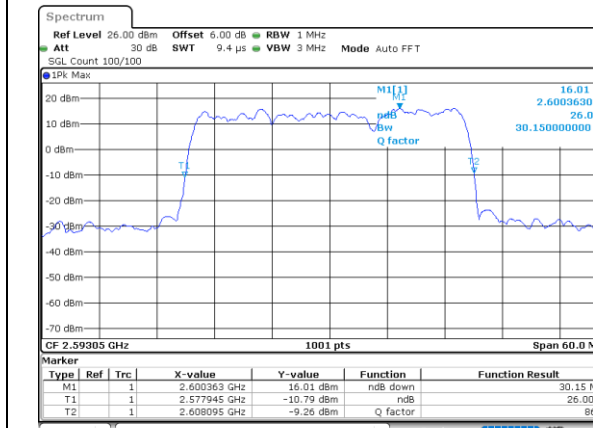
Date: 1.FEB.2024 17:52:09

Middle Channel / 20MHz+10MHz / QPSK



Date: 1.FEB.2024 17:16:19

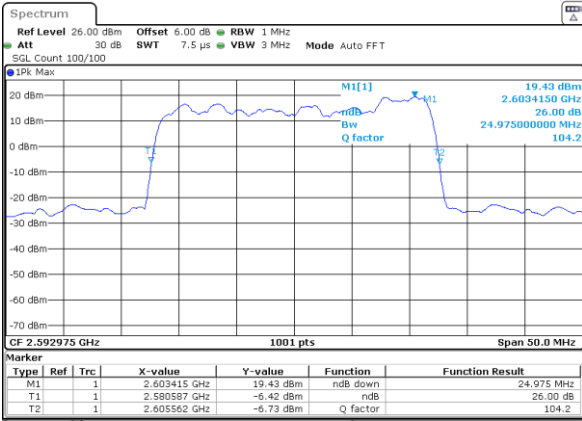
Middle Channel / 20MHz+10MHz / 16QAM



Date: 1.FEB.2024 17:16:47

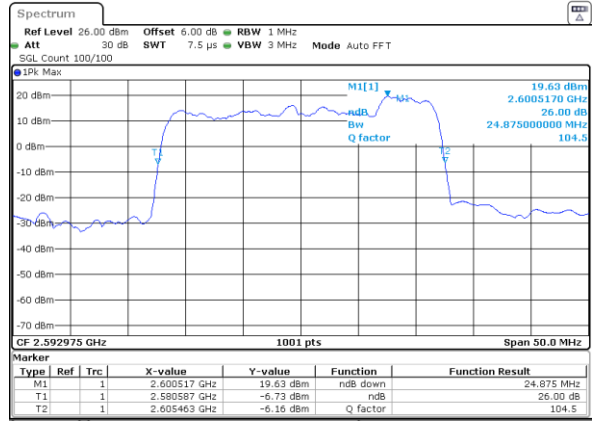


Middle Channel / 20MHz+5MHz / QPSK



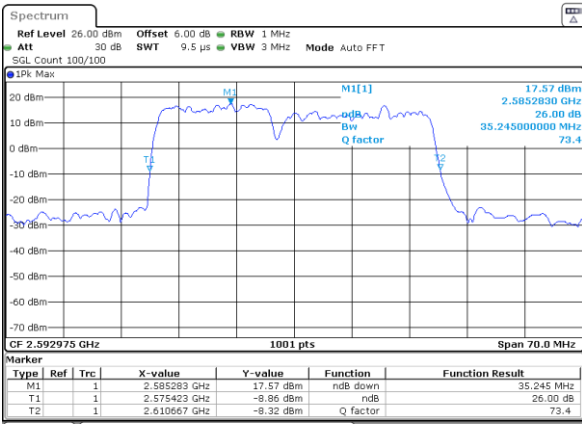
Date: 1.FEB.2024 17:06:59

Middle Channel / 20MHz+5MHz / 16QAM



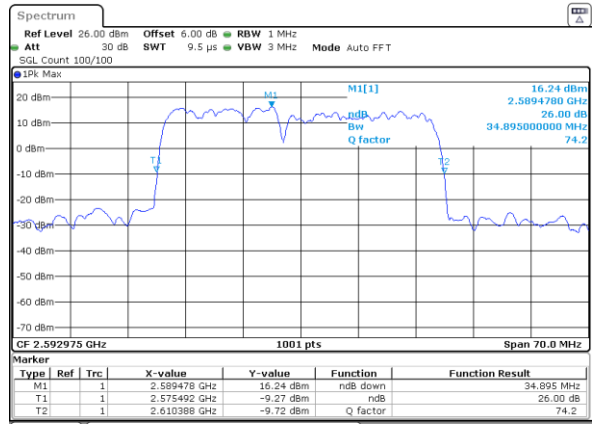
Date: 1.FEB.2024 17:07:27

Middle Channel / 15MHz+20MHz / QPSK



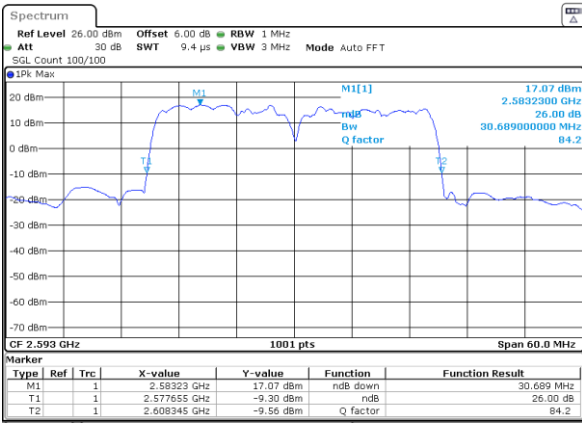
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Middle Channel / 15MHz+20MHz / 16QAM



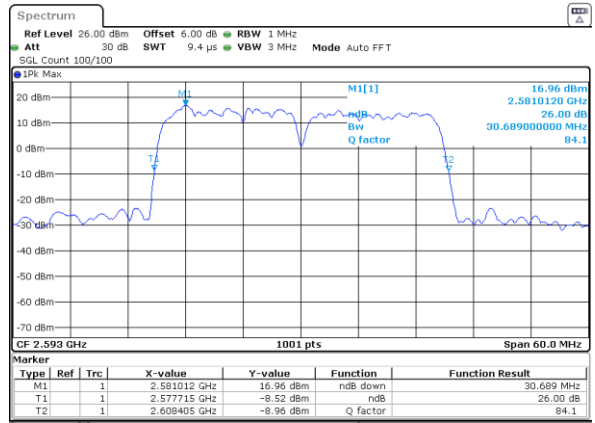
Date: 1.FEB.2024 17:21:08

Middle Channel / 15MHz+15MHz / QPSK



Date: 1.FEB.2024 17:18:47

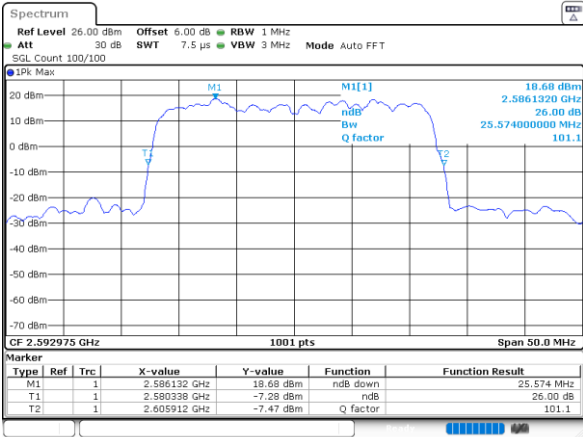
Middle Channel / 15MHz+15MHz / 16QAM



Date: 1.FEB.2024 17:19:15

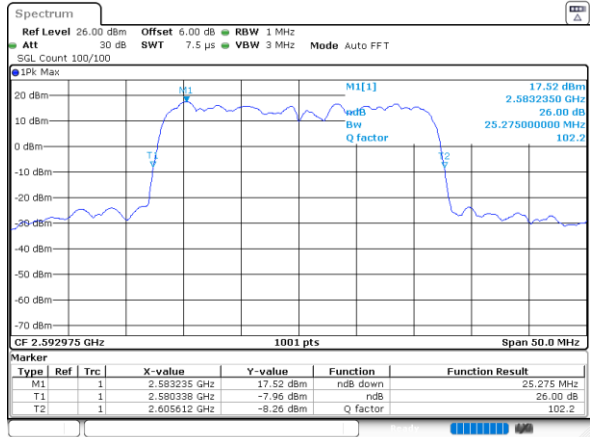


Middle Channel / 15MHz+10MHz / QPSK



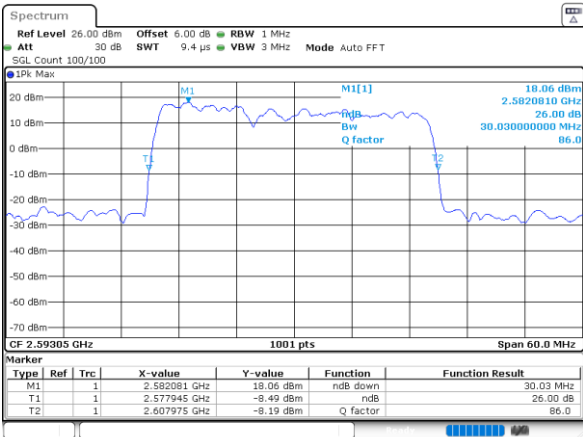
Date: 1.FEB.2024 17:10:52

Middle Channel / 15MHz+10MHz / 16QAM



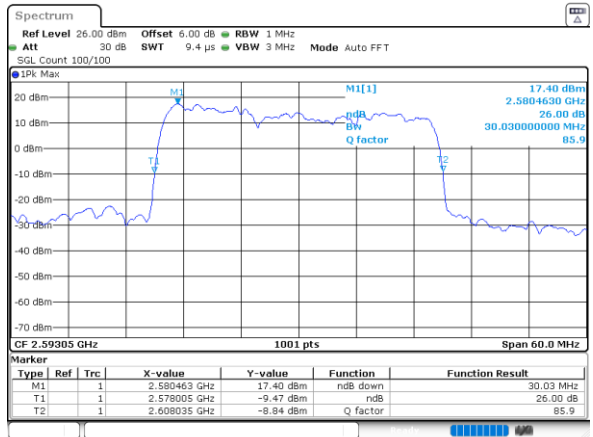
Date: 1.FEB.2024 17:11:19

Middle Channel / 10MHz+20MHz / QPSK



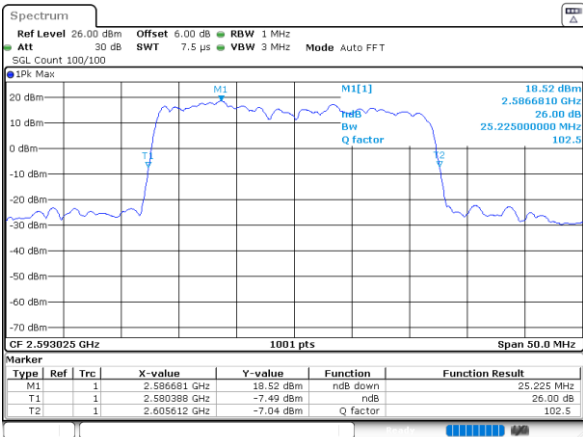
Date: 1.FEB.2024 17:13:15

Middle Channel / 10MHz+20MHz / 16QAM



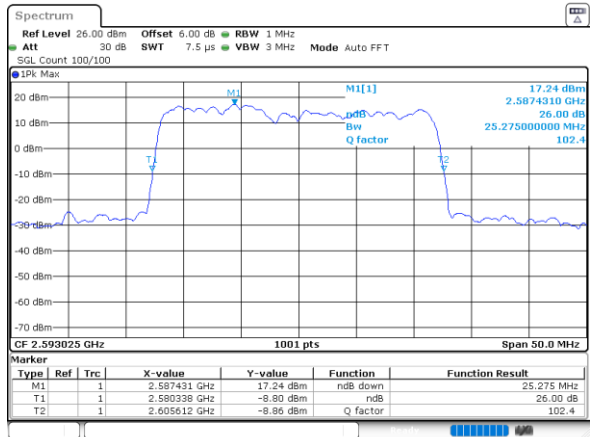
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Middle Channel / 10MHz+15MHz / QPSK

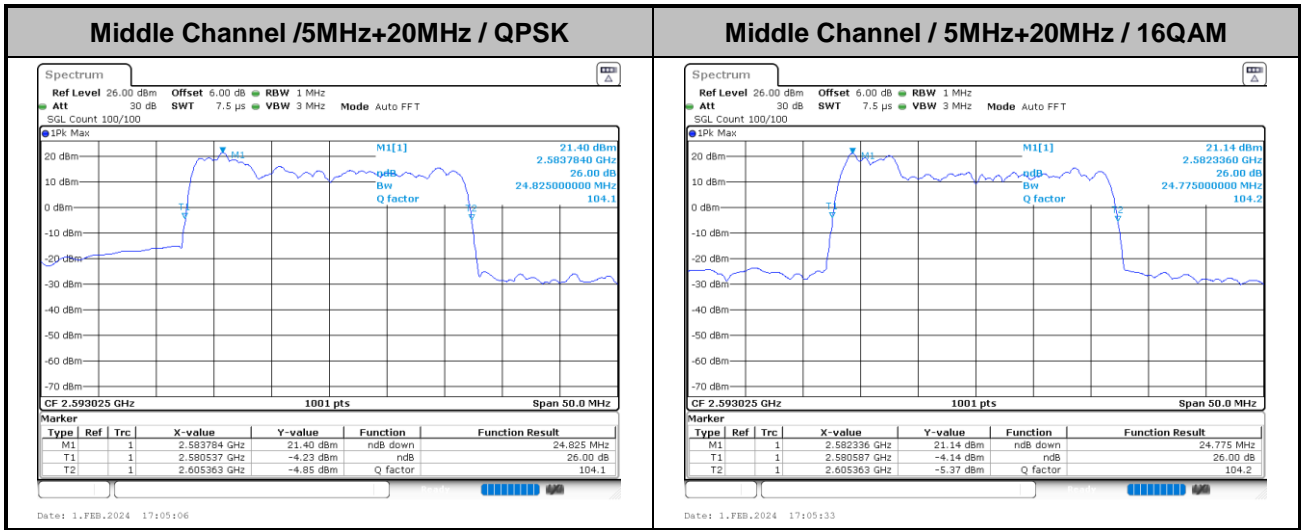


Date: 1.FEB.2024 17:08:58

Middle Channel / 10MHz+15MHz / 16QAM



Date: 1.FEB.2024 17:09:25





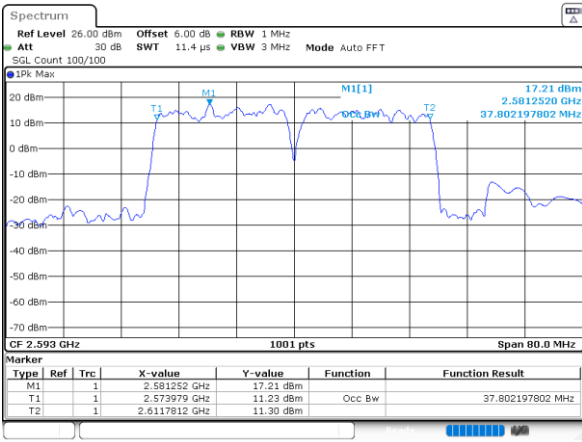
Occupied Bandwidth

Mode	LTE Band 41 CA : 99%OBW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	37.80	37.80
BW	20MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	32.80	32.94
BW	20MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	28.11	27.93
BW	20MHz+5MHz	
Mod.	QPSK	16QAM
Middle CH	23.13	23.33
BW	15MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	32.94	32.94
BW	15MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	28.65	28.77
BW	15MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	23.63	23.53
BW	10MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	28.11	27.99
BW	10MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	23.53	23.38
BW	5MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	23.18	23.23



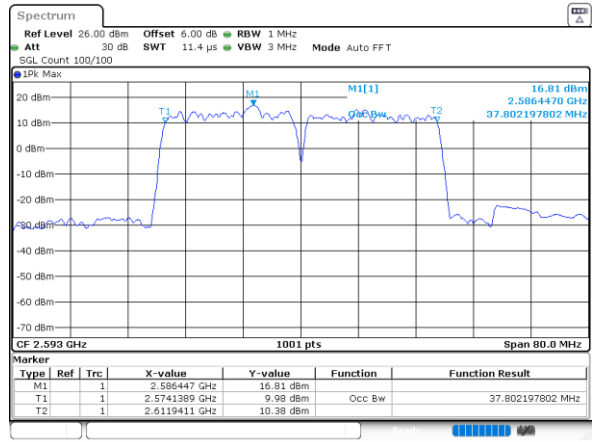
LTE Band 41 CA

Middle Channel / 20MHz+20MHz / QPSK



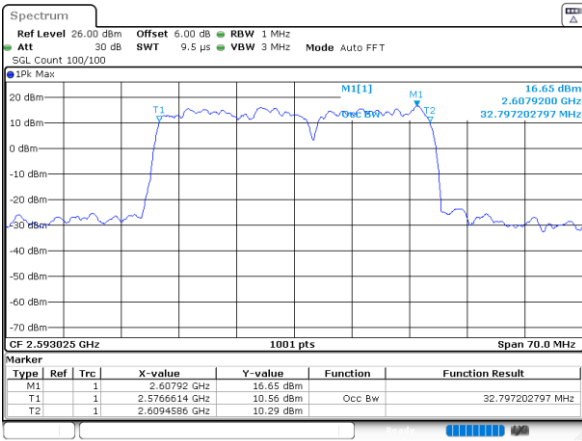
Date: 1.FEB.2024 17:53:08

Middle Channel / 20MHz+20MHz / 16QAM



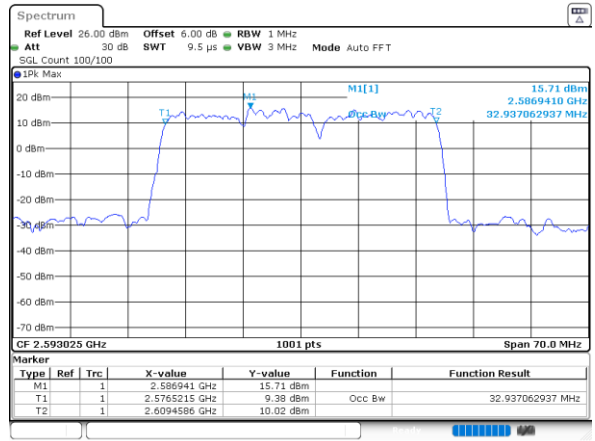
Date: 1.FEB.2024 17:54:29

Middle Channel / 20MHz+15MHz / QPSK



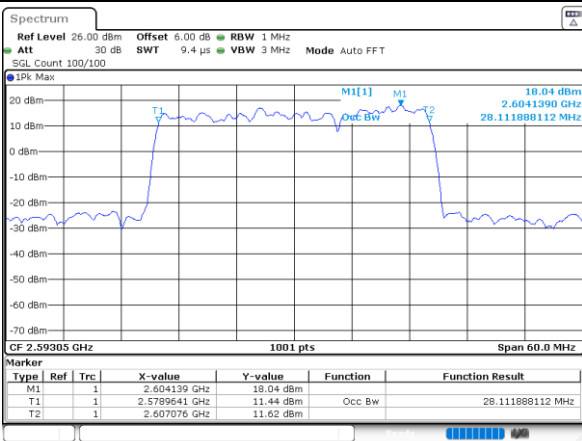
Date: 1.FEB.2024 17:51:14

Middle Channel / 20MHz+15MHz / 16QAM



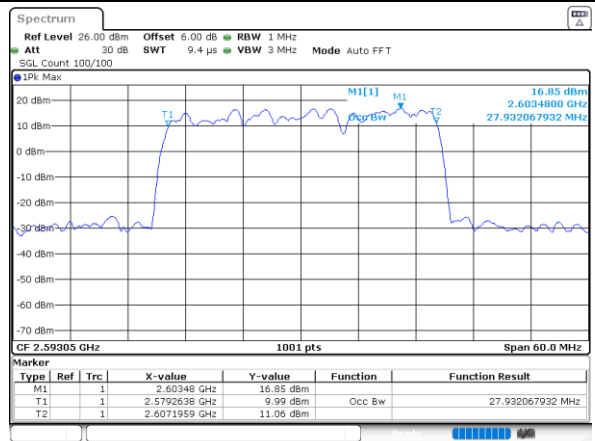
Date: 1.FEB.2024 17:52:36

Middle Channel / 20MHz+10MHz / QPSK



Date: 1.FEB.2024 17:15:52

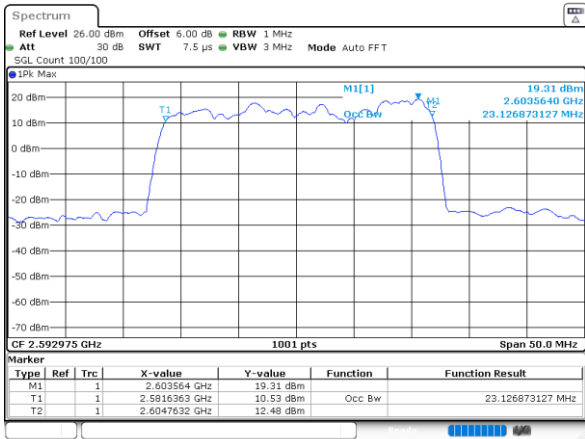
Middle Channel / 20MHz+10MHz / 16QAM



Date: 1.FEB.2024 17:17:14

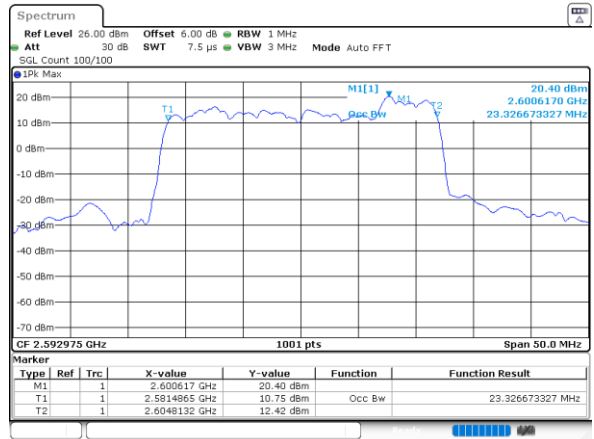


Middle Channel / 20MHz+5MHz / QPSK



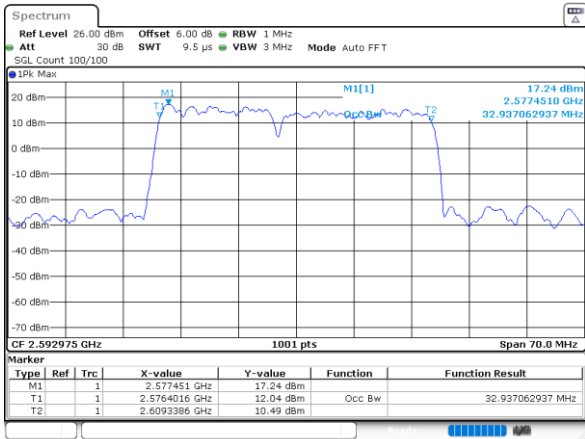
Date: 1.FEB.2024 17:06:32

Middle Channel / 20MHz+5MHz / 16QAM



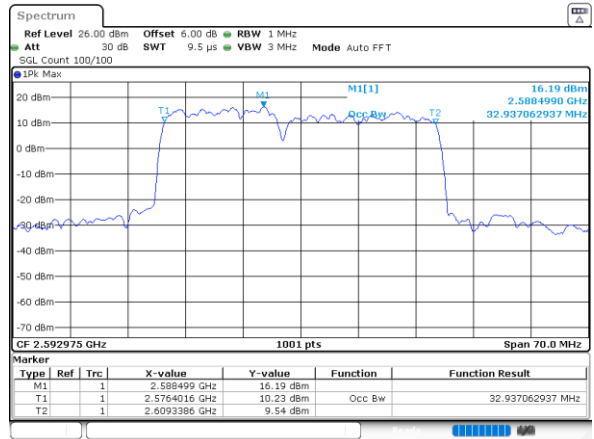
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Middle Channel / 15MHz+20MHz / QPSK



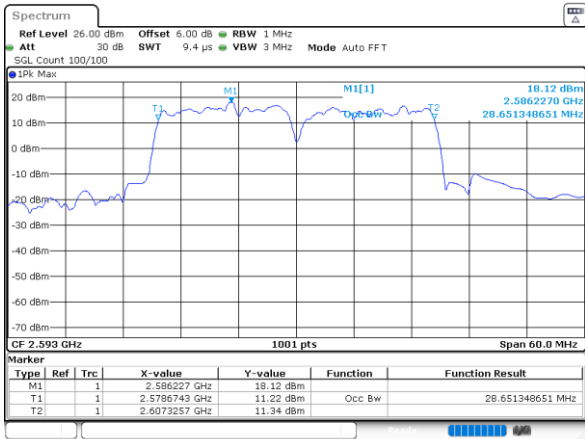
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Middle Channel / 15MHz+20MHz / 16QAM



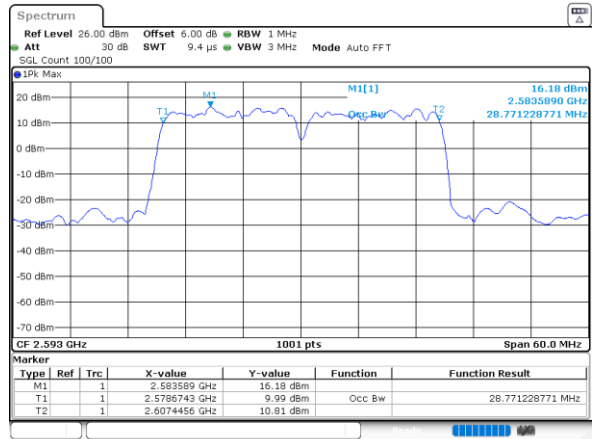
Date: 1.FEB.2024 17:21:35

Middle Channel / 15MHz+15MHz / QPSK



Date: 1.FEB.2024 17:18:20

Middle Channel / 15MHz+15MHz / 16QAM



Date: 1.FEB.2024 17:19:42