

Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

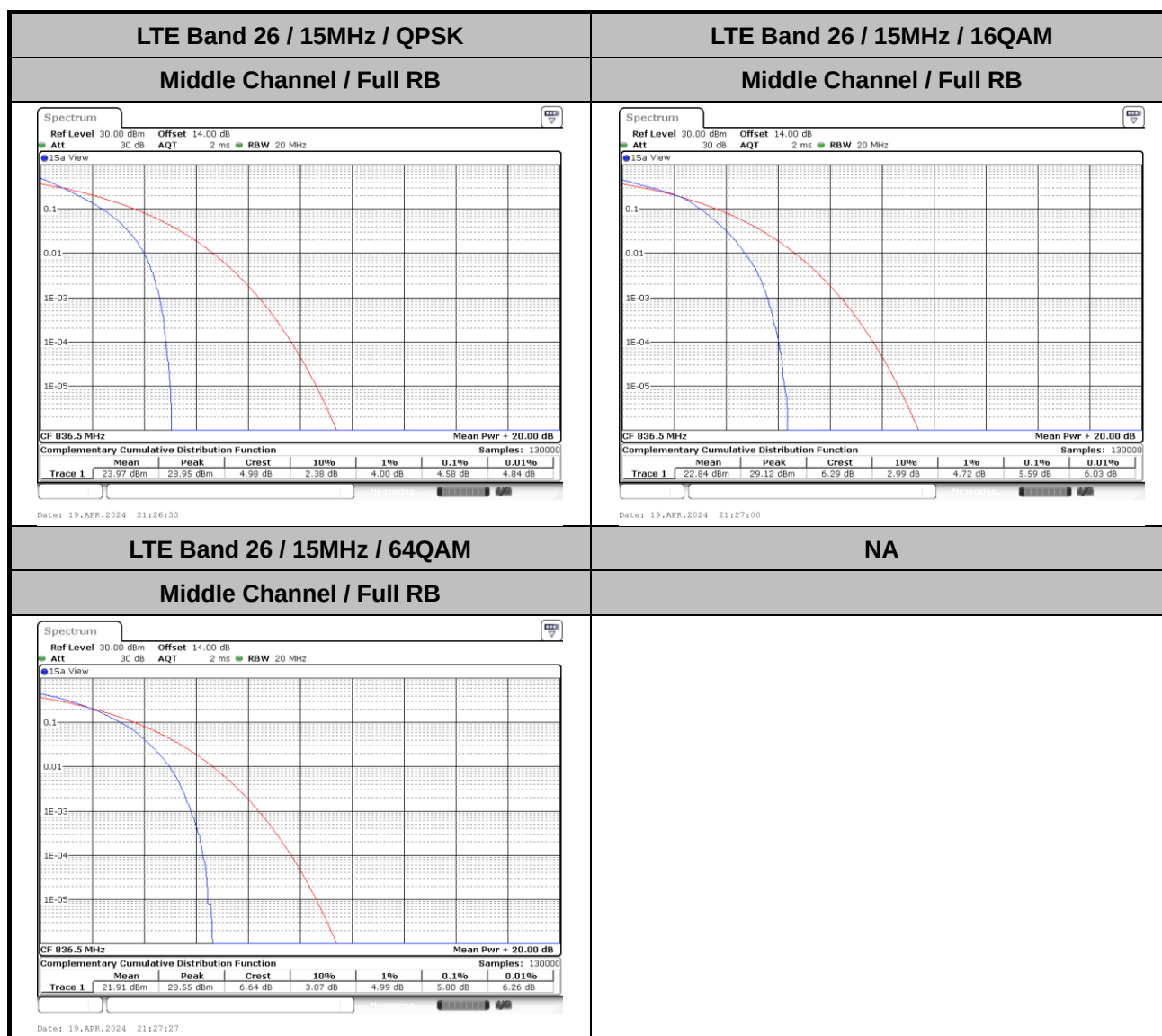
1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26_Part 22H

Peak-to-Average Ratio

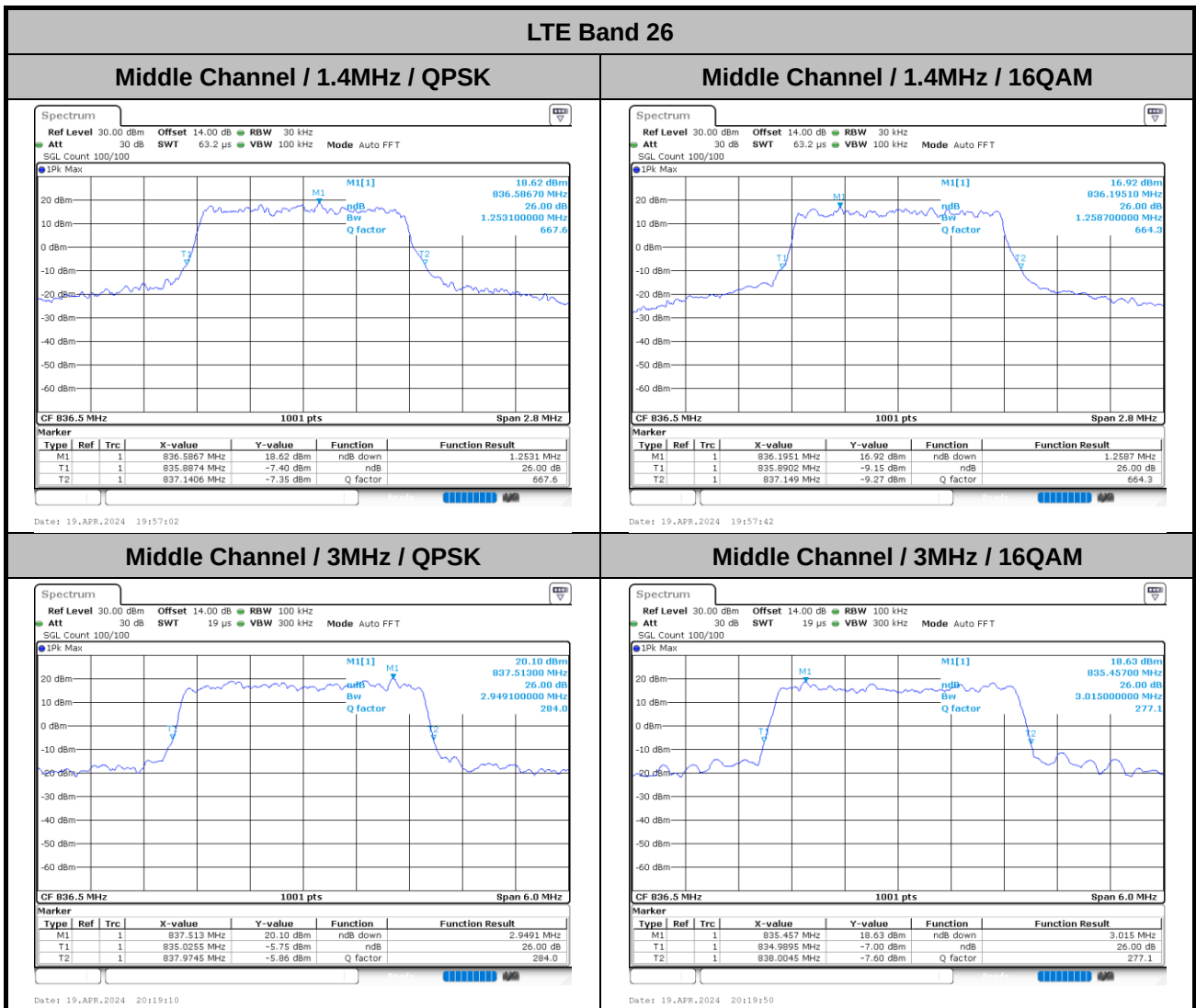
Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.58	5.59	5.80	PASS





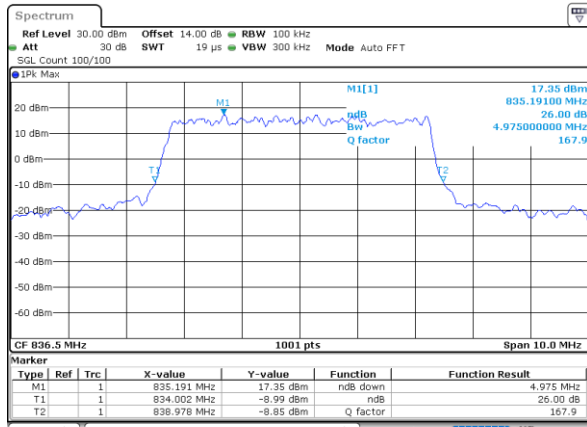
26dB Bandwidth

Mode	LTE Band 26 : 26dB BW(MHz)									
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.25	1.26	2.95	3.02	4.98	4.95	9.77	9.59	16.54	14.48



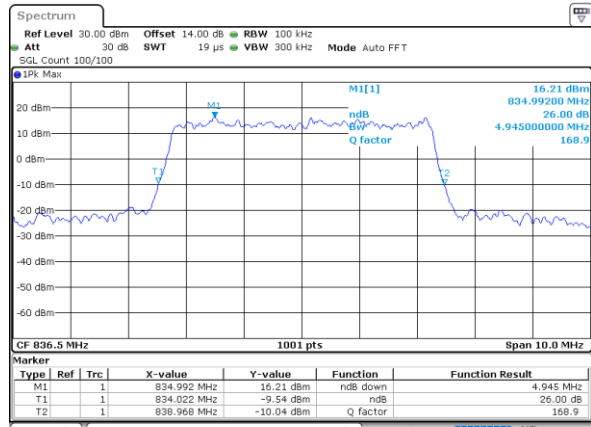


Middle Channel / 5MHz / QPSK



Date: 19.APR.2024 20:41:17

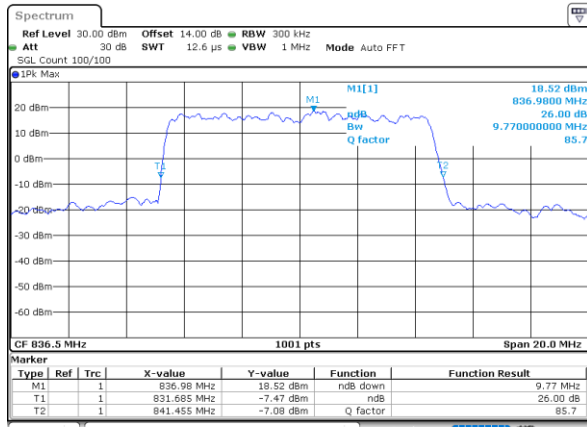
Middle Channel / 5MHz / 16QAM



Date: 19.APR.2024 20:41:57

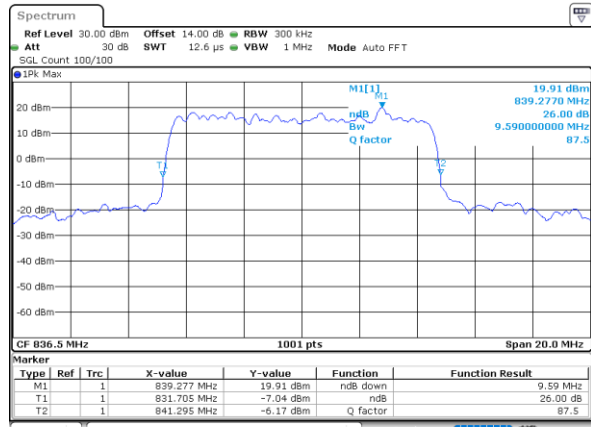
LTE Band 26

Middle Channel / 10MHz / QPSK



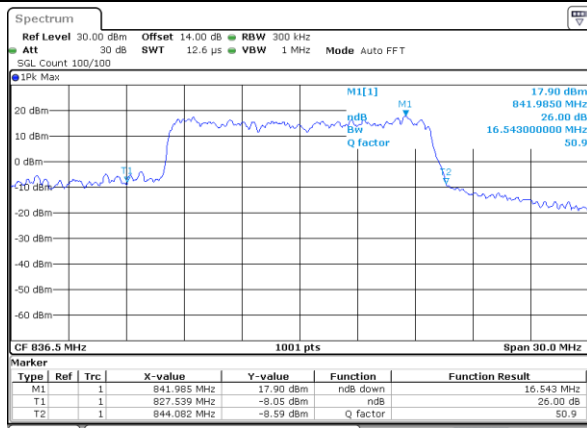
Date: 19.APR.2024 21:03:24

Middle Channel / 10MHz / 16QAM



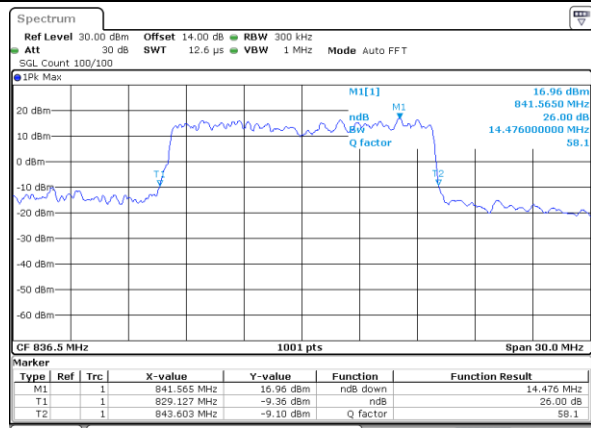
Date: 19.APR.2024 21:04:03

Middle Channel / 15MHz / QPSK



Date: 19.APR.2024 21:25:26

Middle Channel / 15MHz / 16QAM

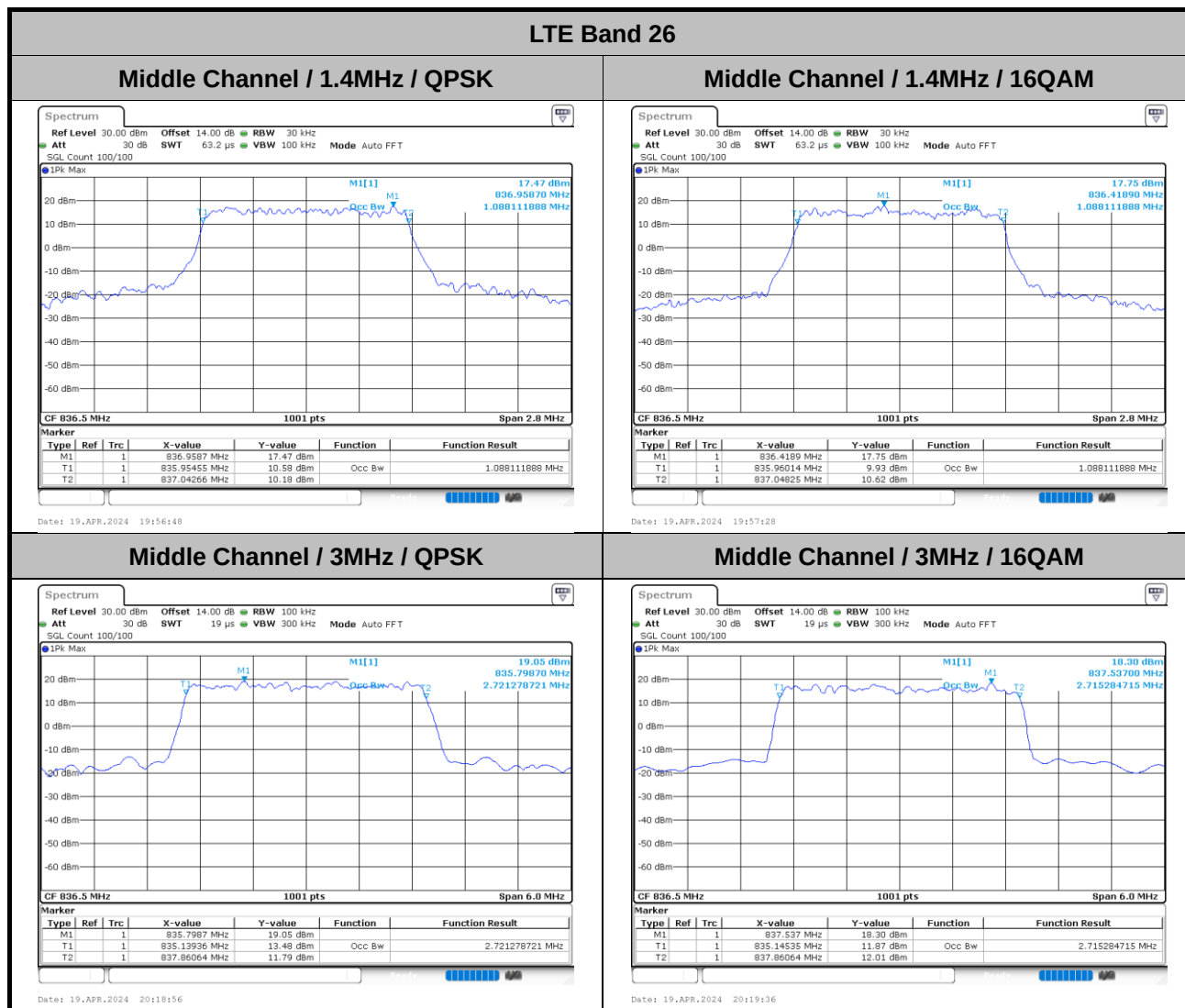


Date: 19.APR.2024 21:26:06



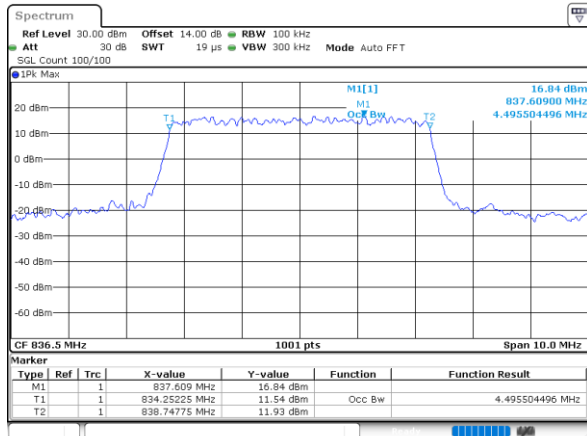
Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		15MHz(CH26790)	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.09	2.72	2.72	4.50	4.49	9.01	9.07	13.58	13.49	13.40	13.43



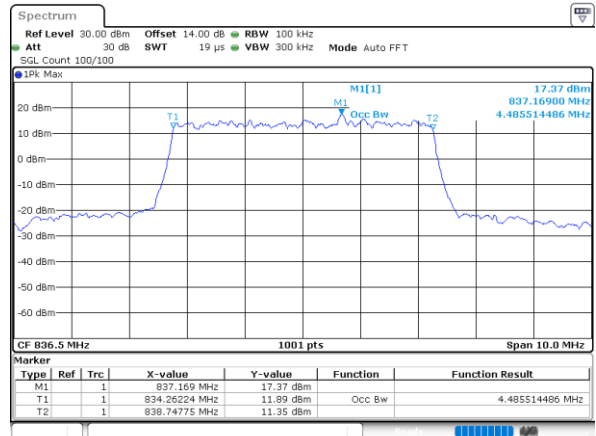


Middle Channel / 5MHz / QPSK



Date: 19.APR.2024 20:41:03

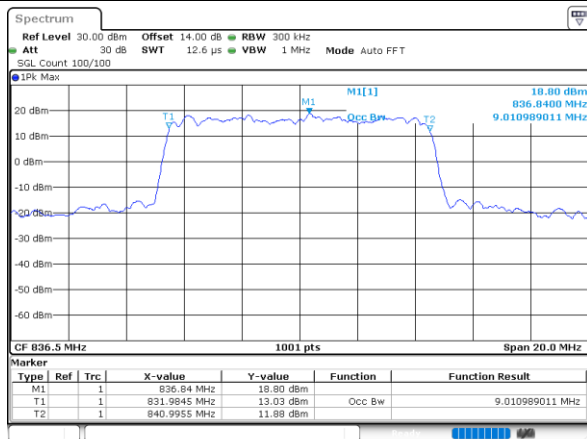
Middle Channel / 5MHz / 16QAM



Date: 19.APR.2024 20:41:43

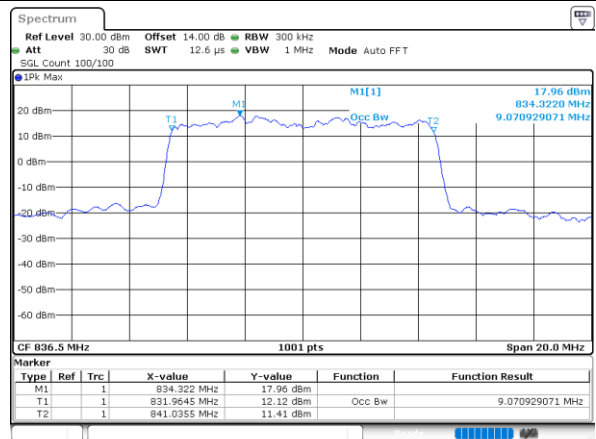
LTE Band 26

Middle Channel / 10MHz / QPSK



Date: 19.APR.2024 21:03:10

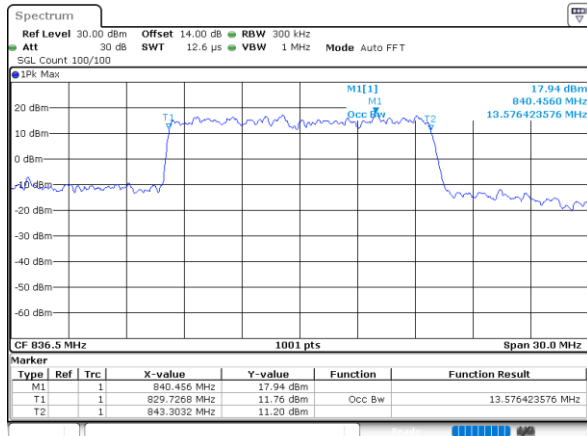
Middle Channel / 10MHz / 16QAM



Date: 19.APR.2024 21:03:49

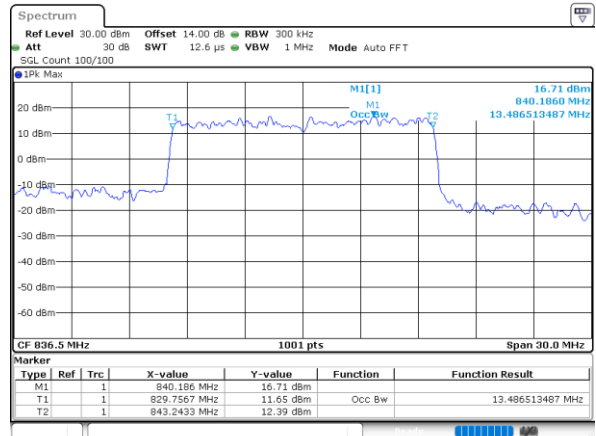


Middle Channel / 15MHz / QPSK



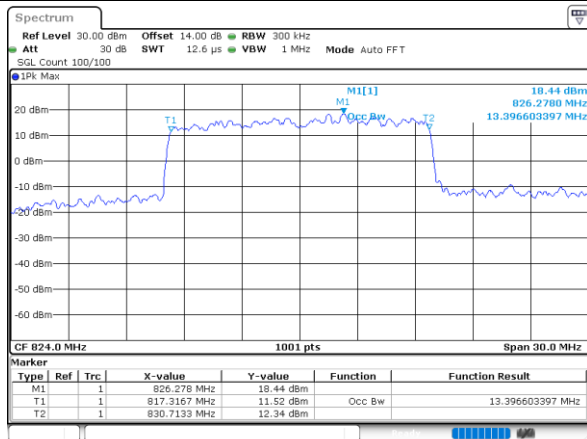
Date: 19.APR.2024 21:25:12

Middle Channel / 15MHz / 16QAM



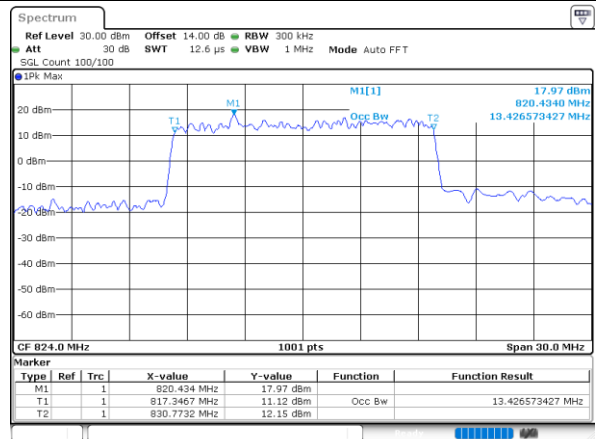
Date: 19.APR.2024 21:25:52

High Channel / 15MHz / QPSK



Date: 23.APR.2024 12:24:54

High Channel / 15MHz / 16QAM



Date: 23.APR.2024 12:26:35



Conducted Band Edge

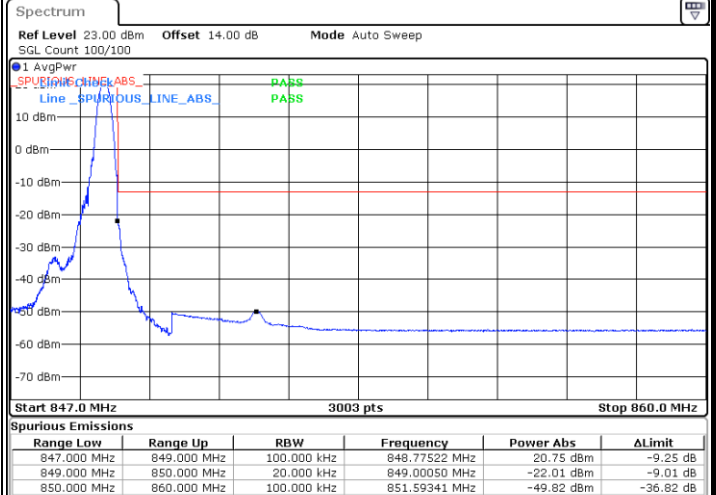
LTE Band 26 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



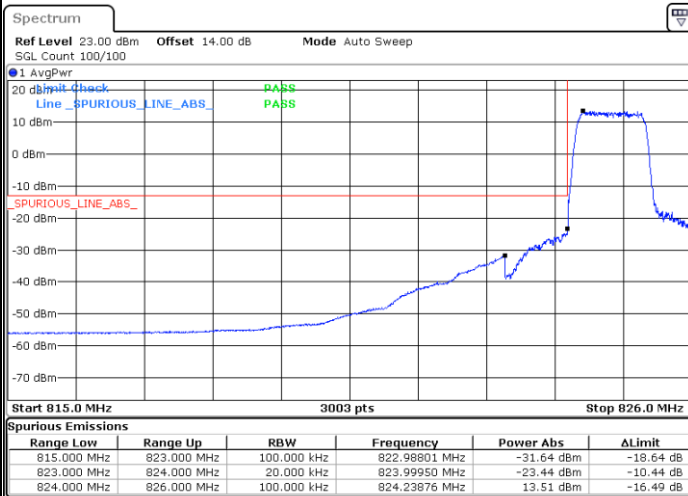
Date: 7 MAY 2024 00:00:23

Highest Band Edge / 1RB



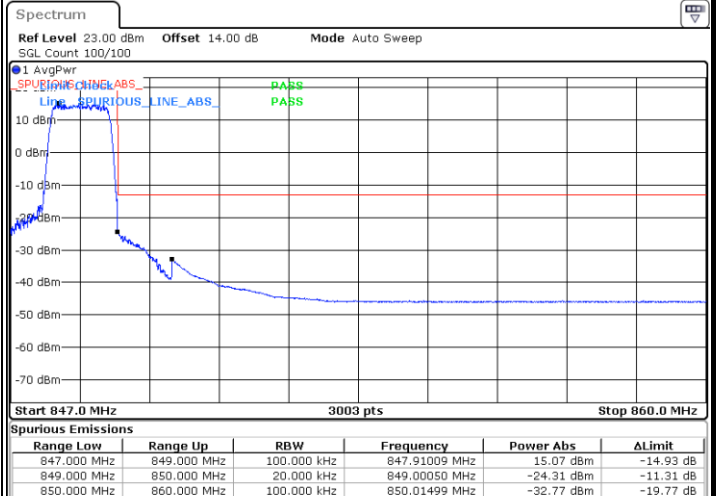
Date: 6 MAY 2024 23:58:40

Lowest Band Edge / Full RB



Date: 7 MAY 2024 01:04:46

Highest Band Edge / Full RB

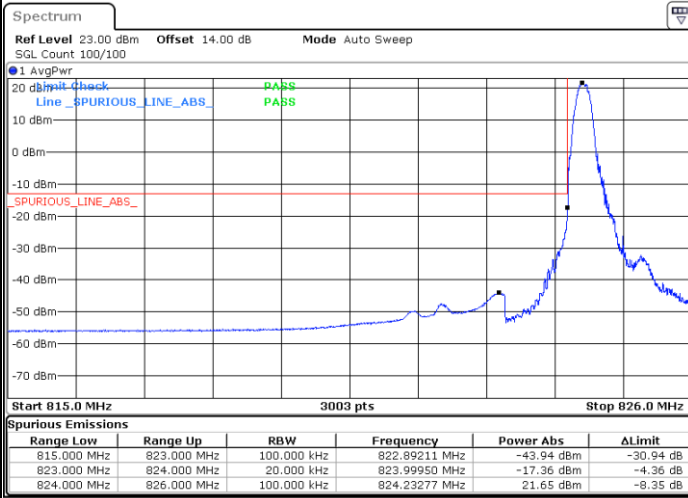


Date: 19.APR.2024 20:06:14



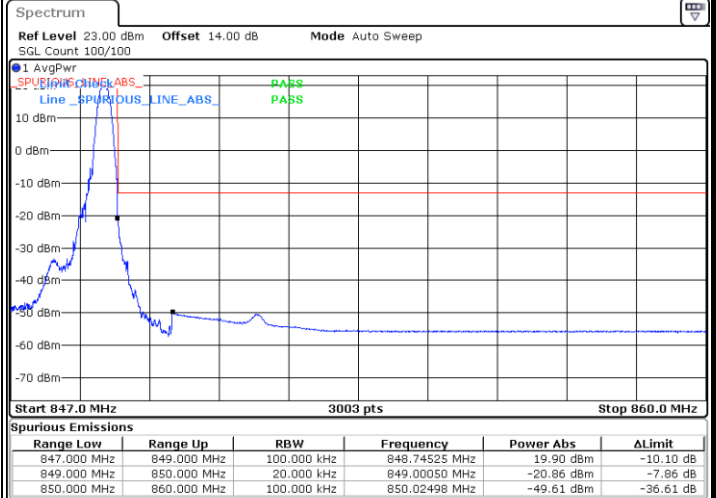
LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



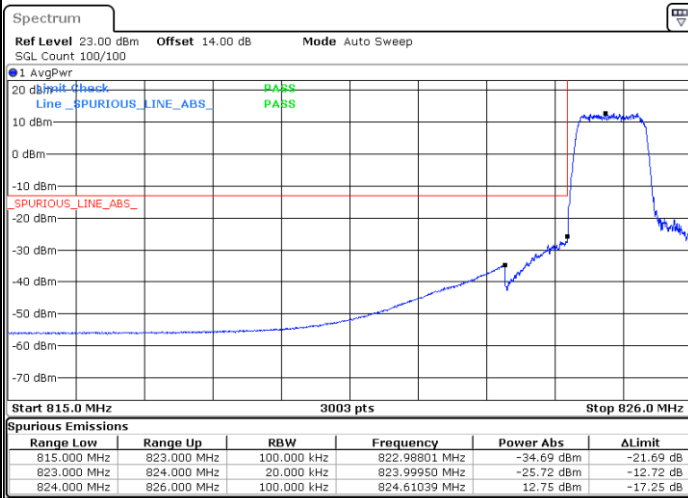
Date: 23.APR.2024 10:00:29

Highest Band Edge / 1 RB



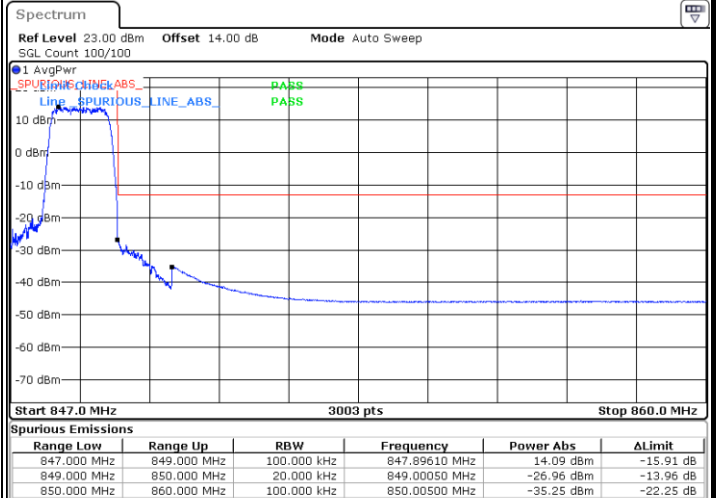
Date: 7 MAY 2024 01:07:58

Lowest Band Edge / Full RB



Date: 7 MAY 2024 01:09:48

Highest Band Edge / Full RB

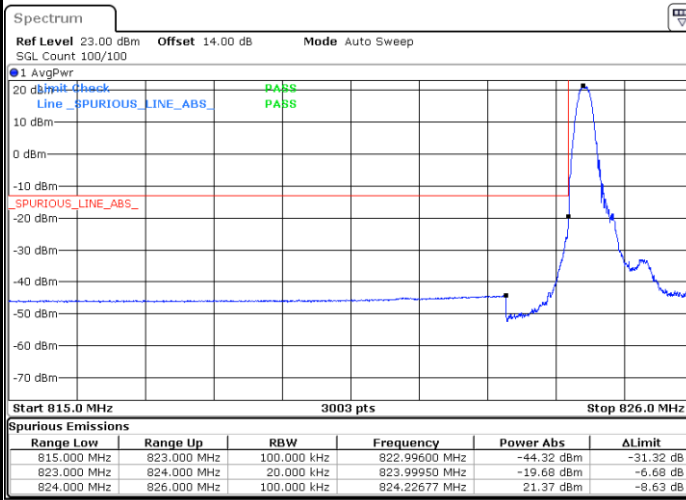


Date: 19.APR.2024 20:04:49

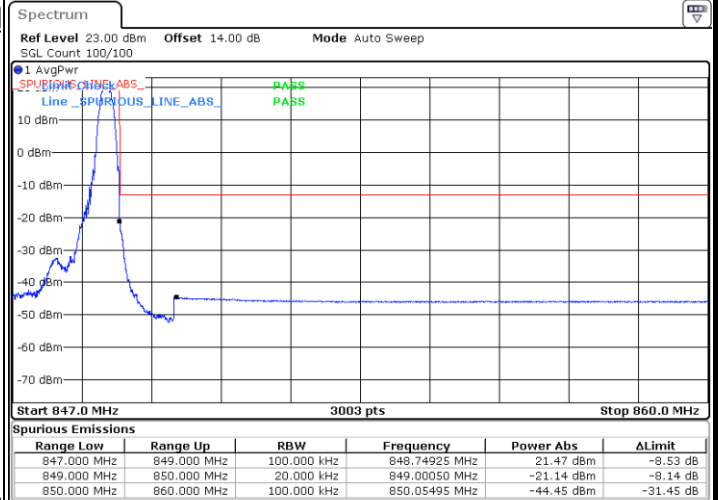


LTE Band 26 / 1.4MHz / 64QAM

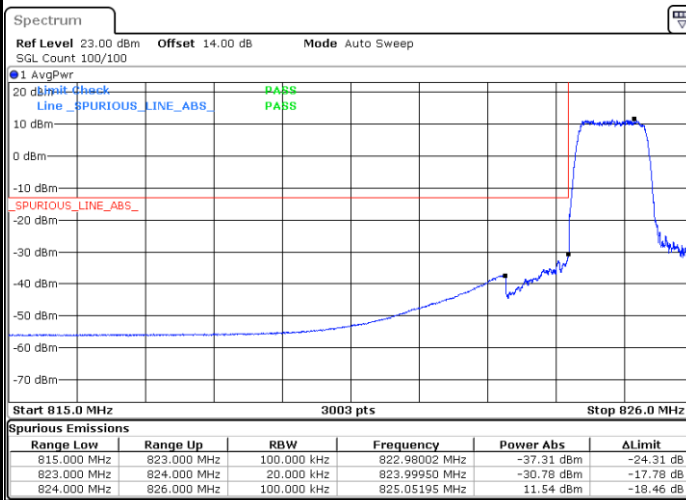
Lowest Band Edge / 1 RB



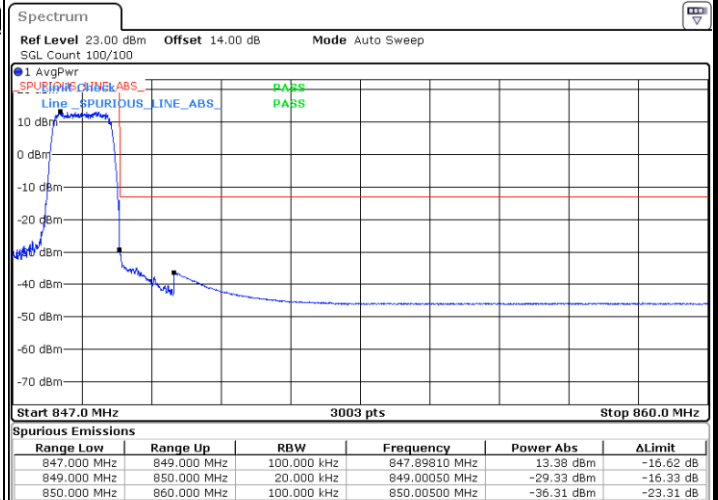
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



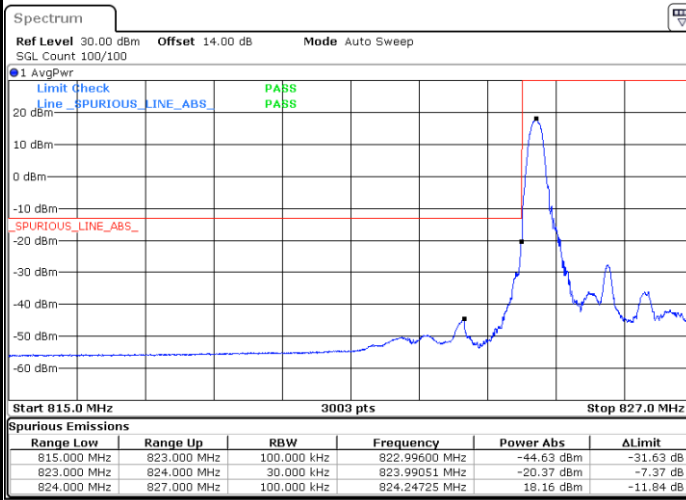
Highest Band Edge / Full RB



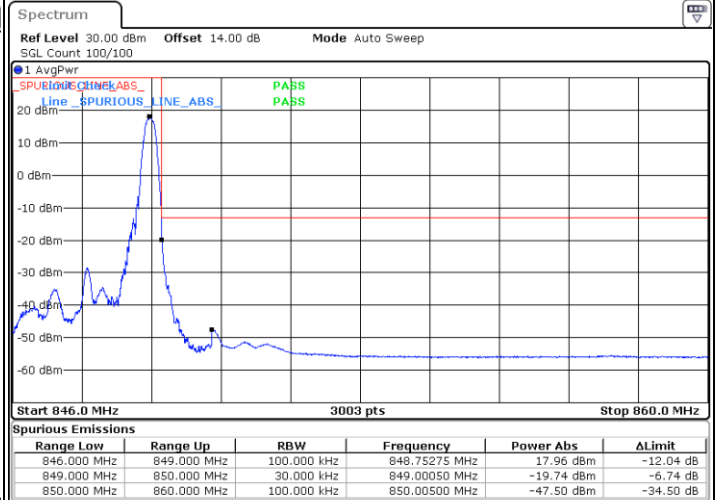


LTE Band 26 / 3MHz / QPSK

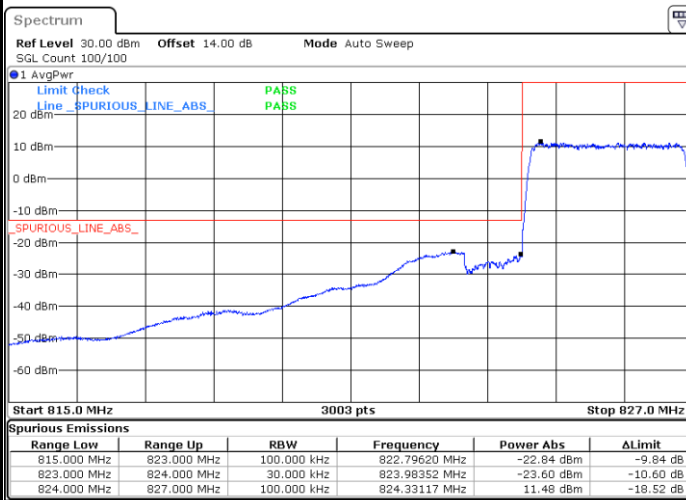
Lowest Band Edge / 1RB



Highest Band Edge / 1RB



Lowest Band Edge / Full RB



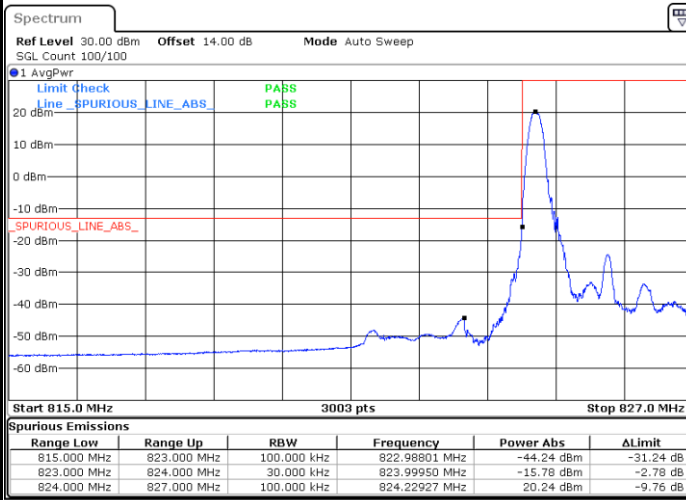
Highest Band Edge / Full RB





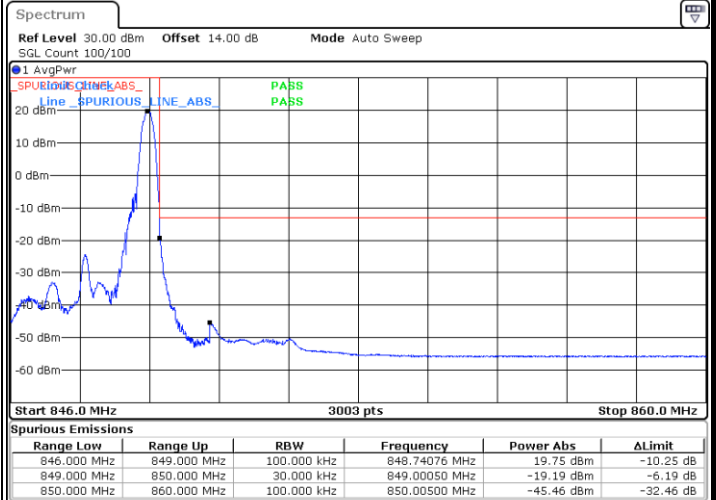
LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



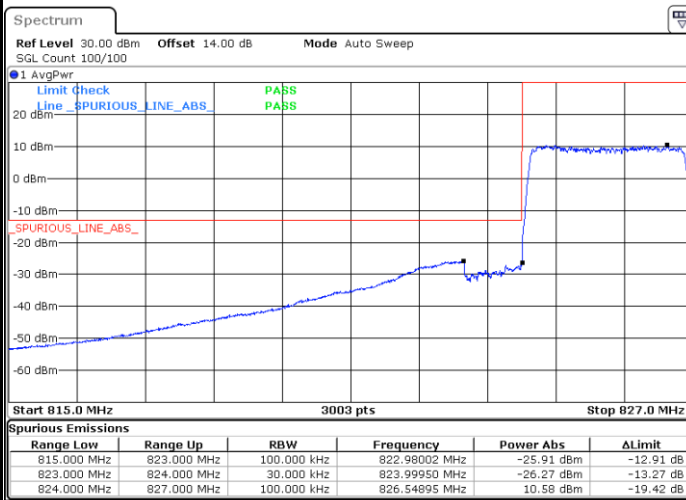
Date: 7 MAY 2024 01:16:17

Highest Band Edge / 1 RB



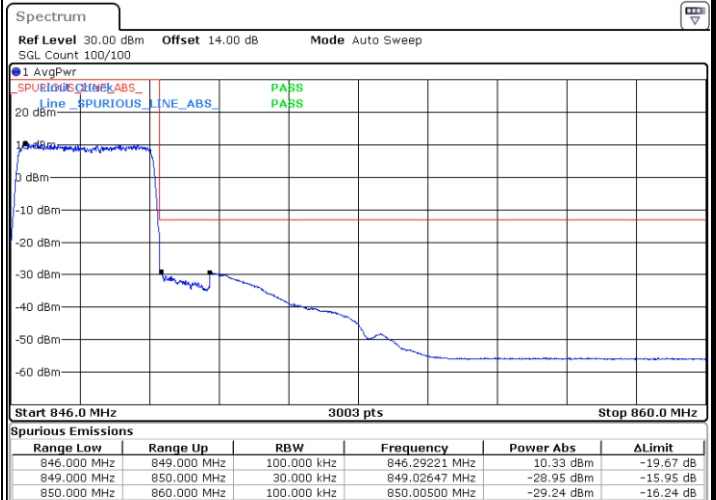
Date: 7 MAY 2024 01:14:59

Lowest Band Edge / Full RB



Date: 19.APR.2024 20:15:05

Highest Band Edge / Full RB

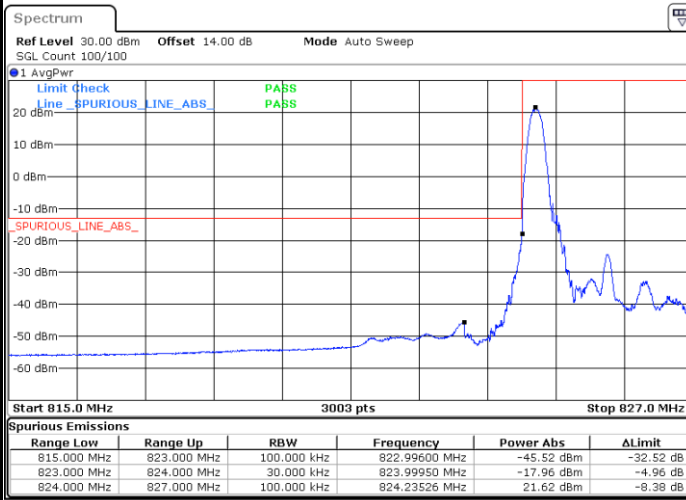


Date: 19.APR.2024 20:26:56



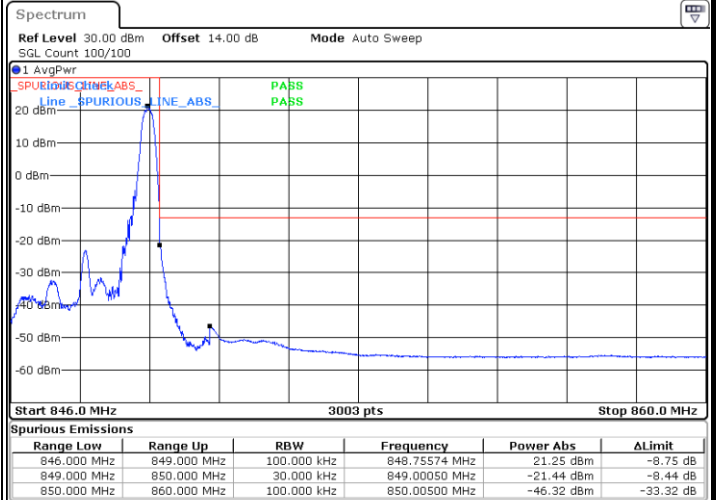
LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



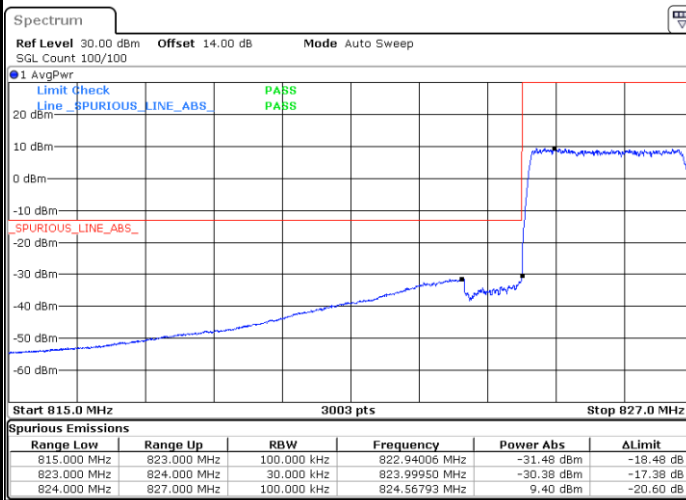
Date: 19.APR.2024 20:12:14

Highest Band Edge / 1 RB



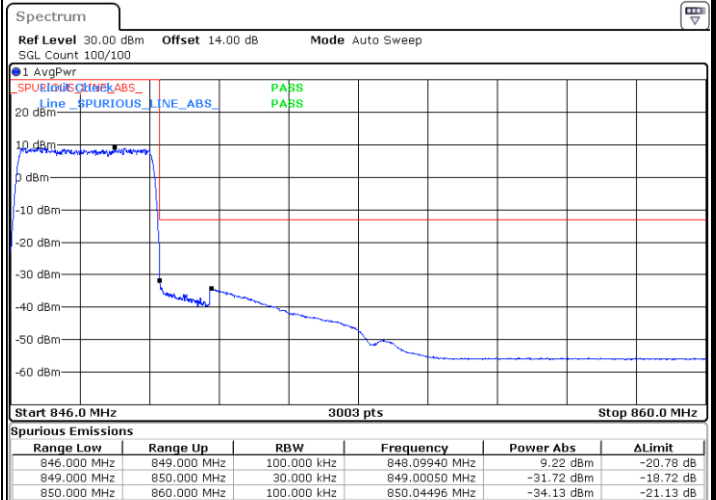
Date: 19.APR.2024 20:24:05

Lowest Band Edge / Full RB



Date: 19.APR.2024 20:13:39

Highest Band Edge / Full RB

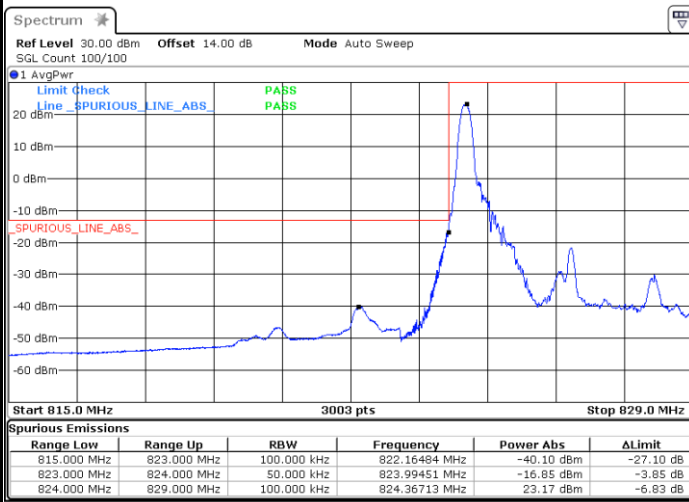


Date: 19.APR.2024 20:25:31



LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1RB



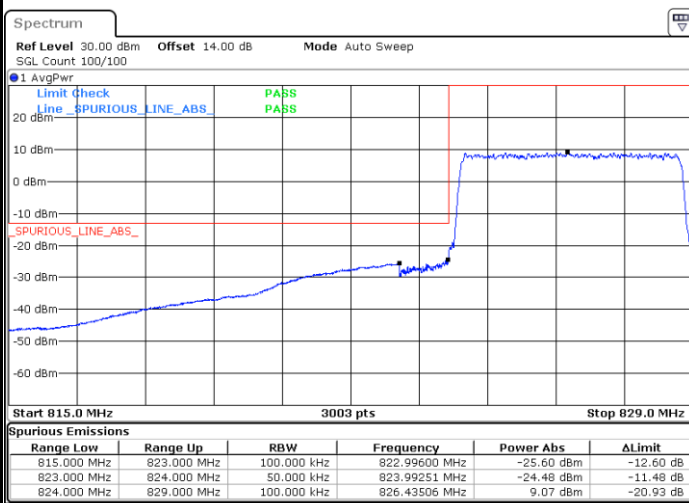
Date: 23.APR.2024 11:11:59

Highest Band Edge / 1RB



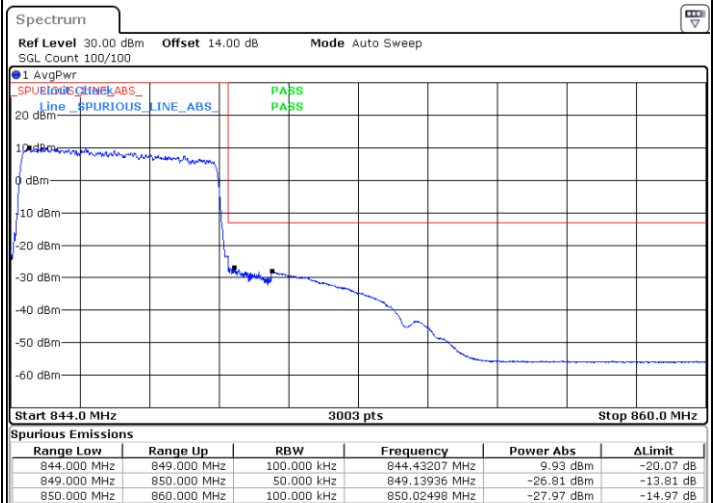
Date: 19.APR.2024 20:43:22

Lowest Band Edge / Full RB



Date: 19.APR.2024 20:38:37

Highest Band Edge / Full RB

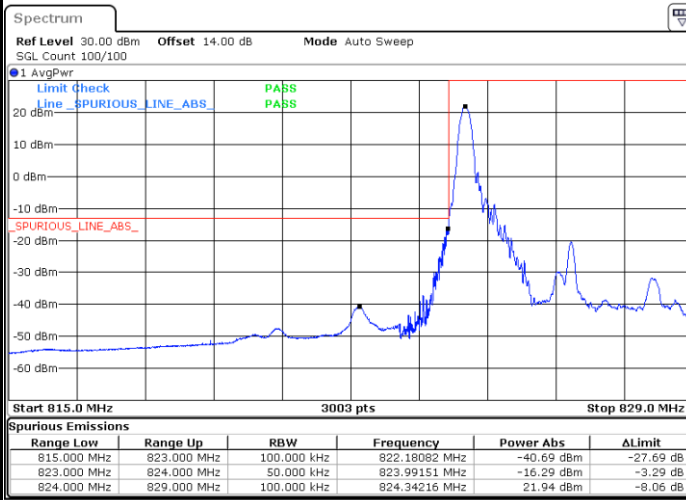


Date: 19.APR.2024 20:50:29



LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



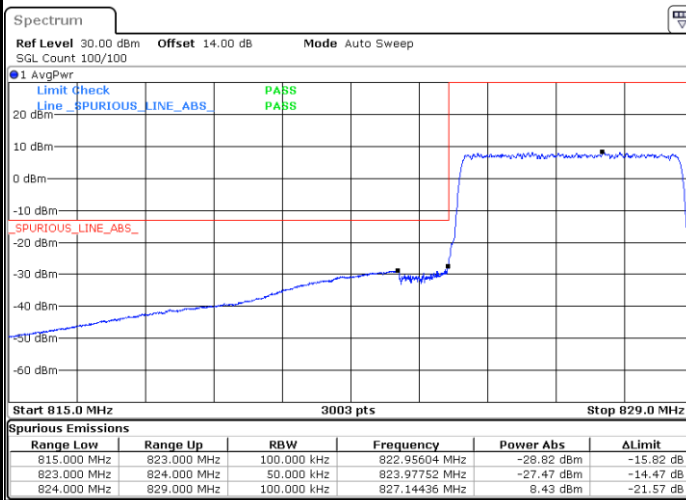
Date: 19.APR.2024 20:32:55

Highest Band Edge / 1 RB



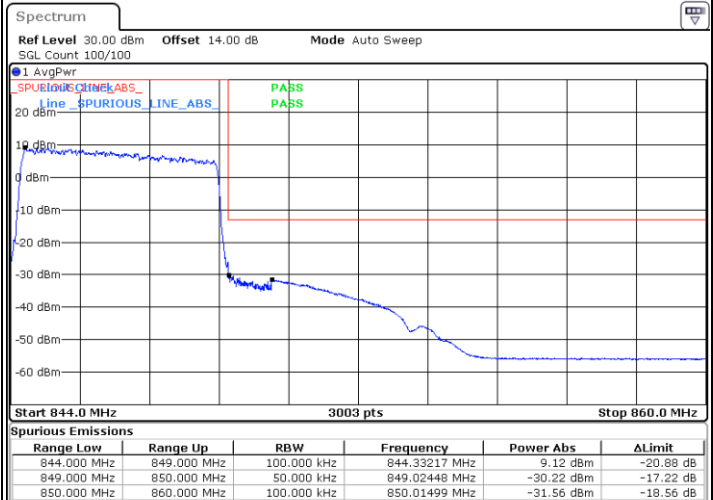
Date: 19.APR.2024 20:44:47

Lowest Band Edge / Full RB



Date: 19.APR.2024 20:37:12

Highest Band Edge / Full RB

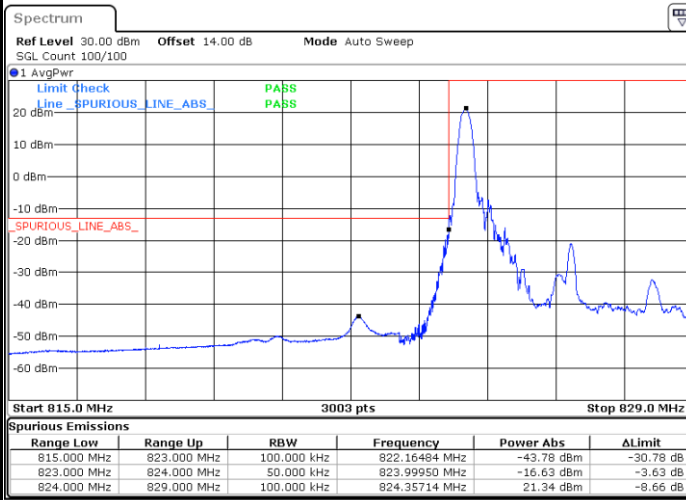


Date: 19.APR.2024 20:49:03



LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



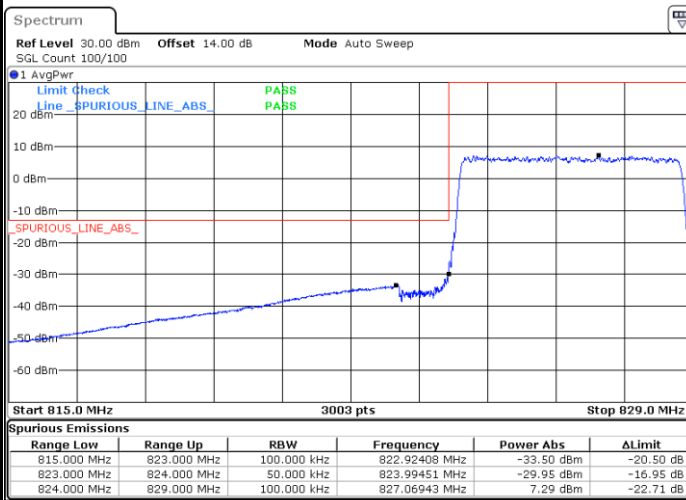
Date: 19.APR.2024 20:34:21

Highest Band Edge / 1 RB



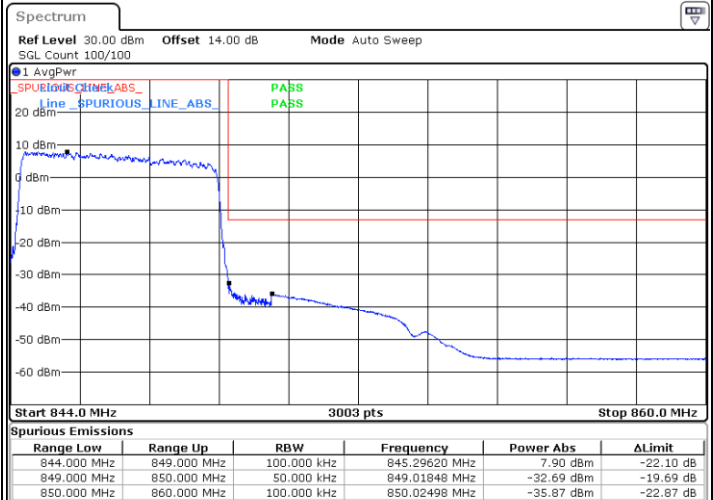
Date: 19.APR.2024 20:46:12

Lowest Band Edge / Full RB



Date: 19.APR.2024 20:35:46

Highest Band Edge / Full RB

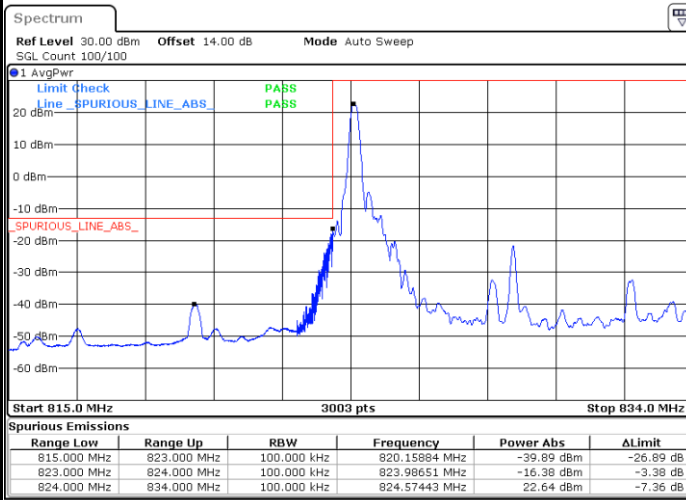


Date: 19.APR.2024 20:47:38

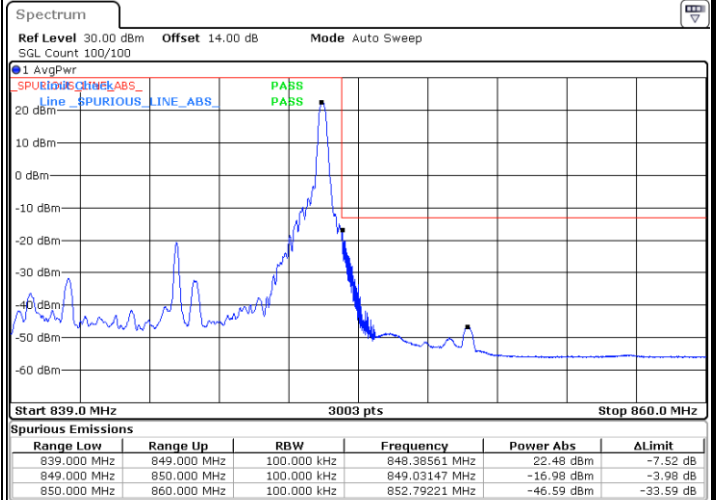


LTE Band 26 / 10MHz / QPSK

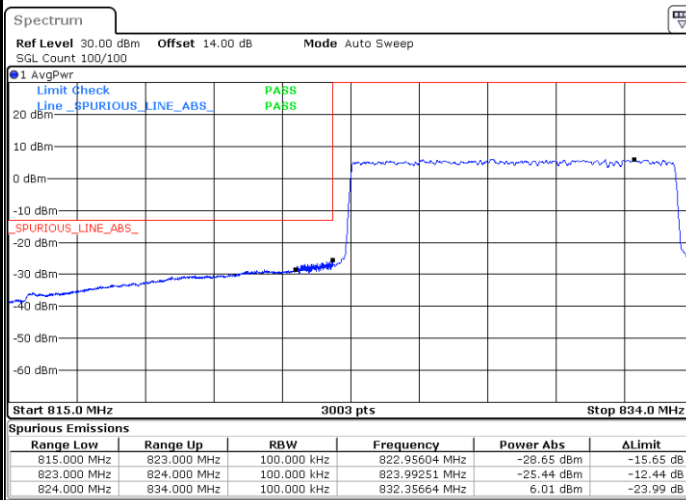
Lowest Band Edge / 1RB



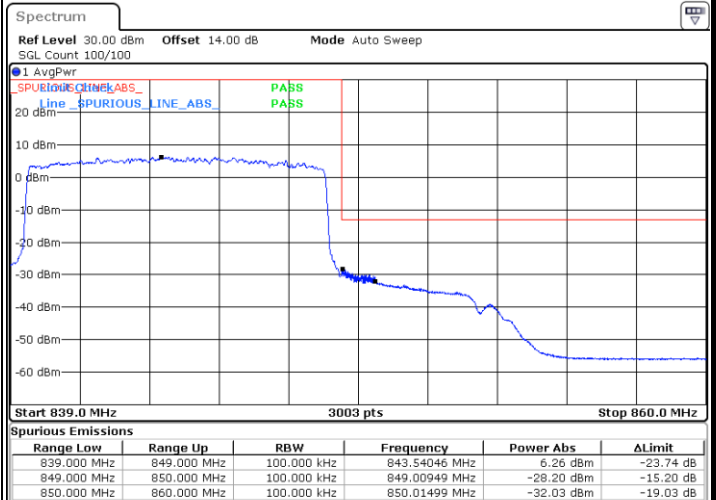
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



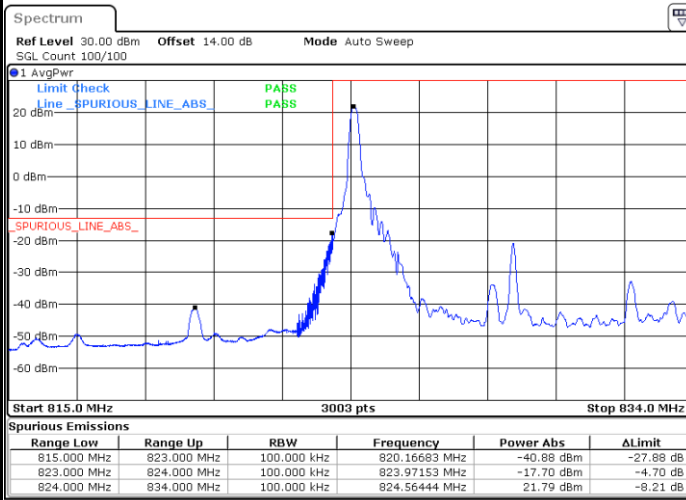
Highest Band Edge / Full RB



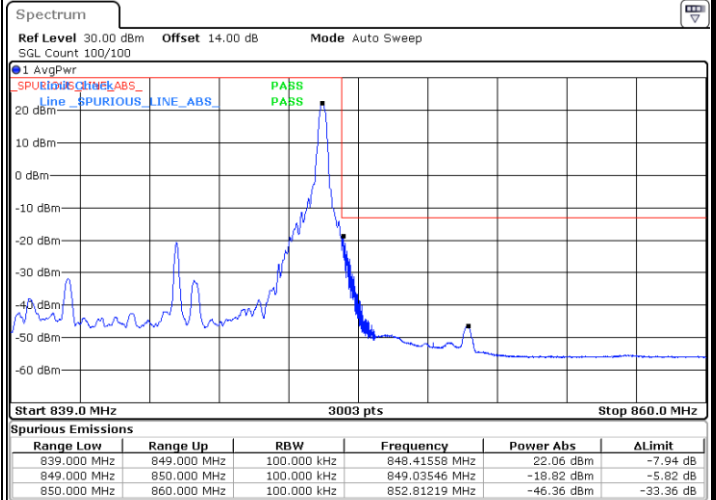


LTE Band 26 / 10MHz / 16QAM

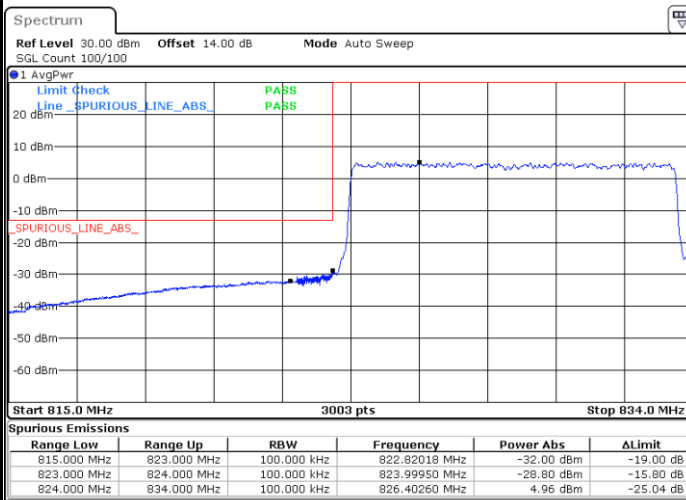
Lowest Band Edge / 1 RB



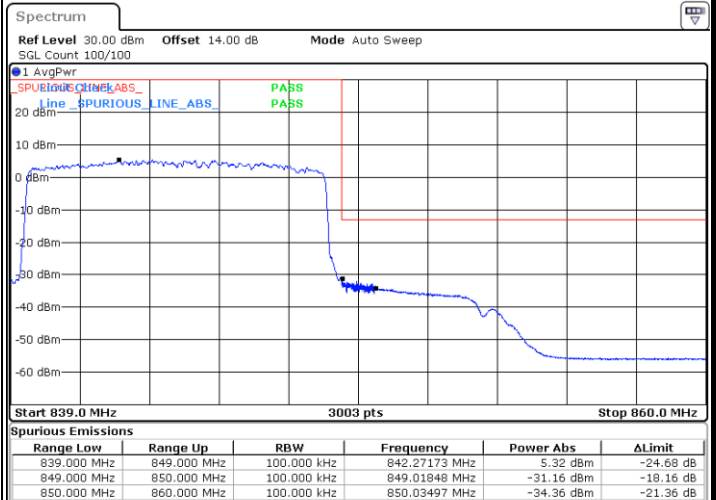
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



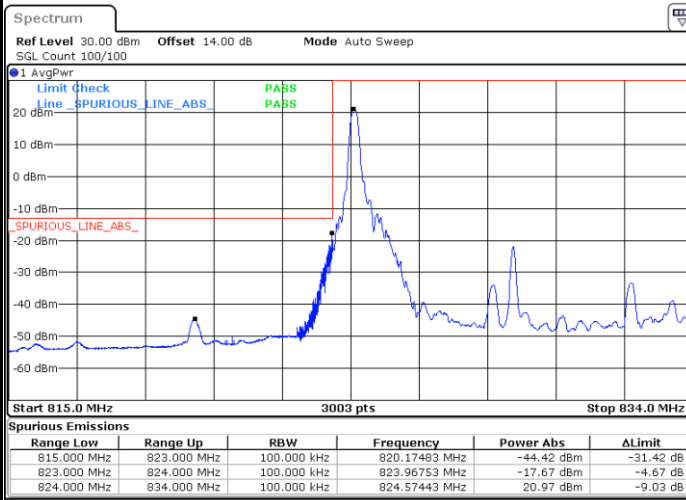
Highest Band Edge / Full RB



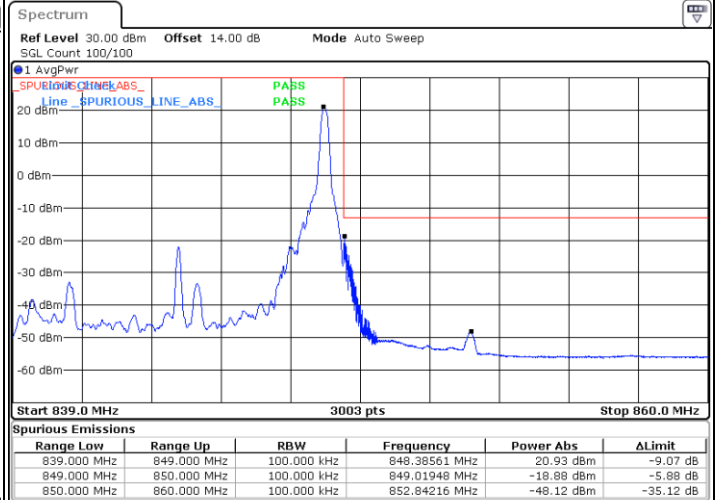


LTE Band 26 / 10MHz / 64QAM

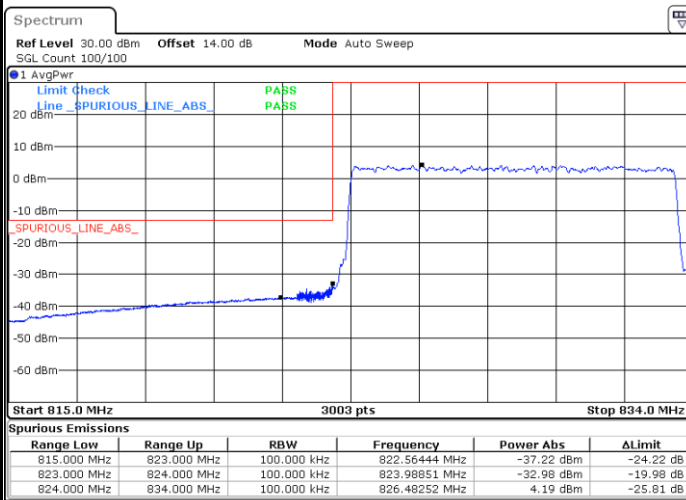
Lowest Band Edge / 1 RB



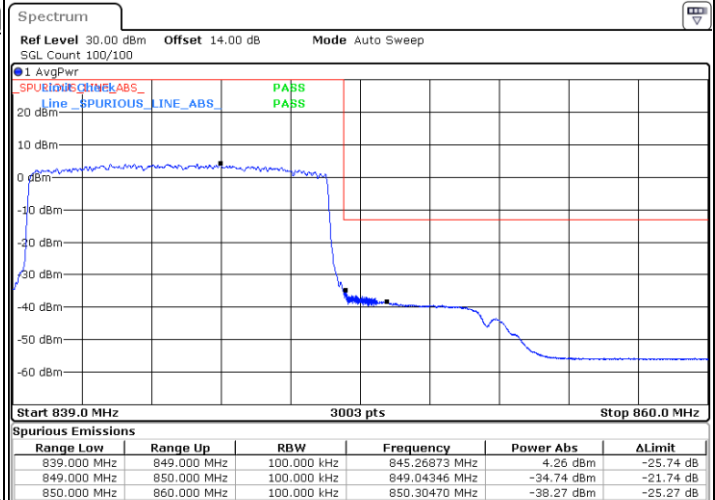
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



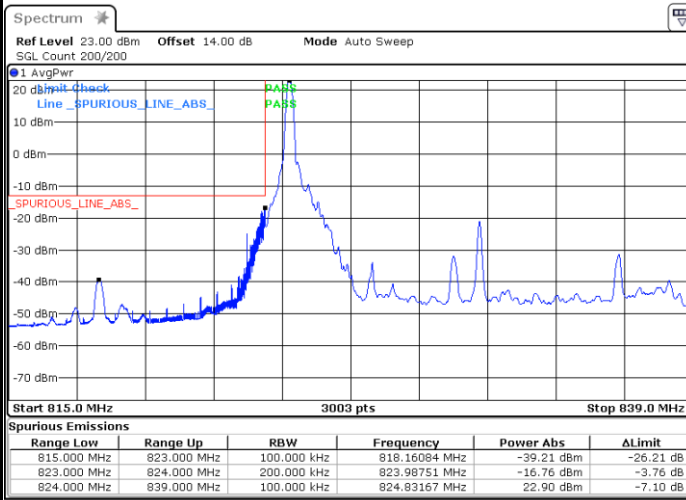
Highest Band Edge / Full RB



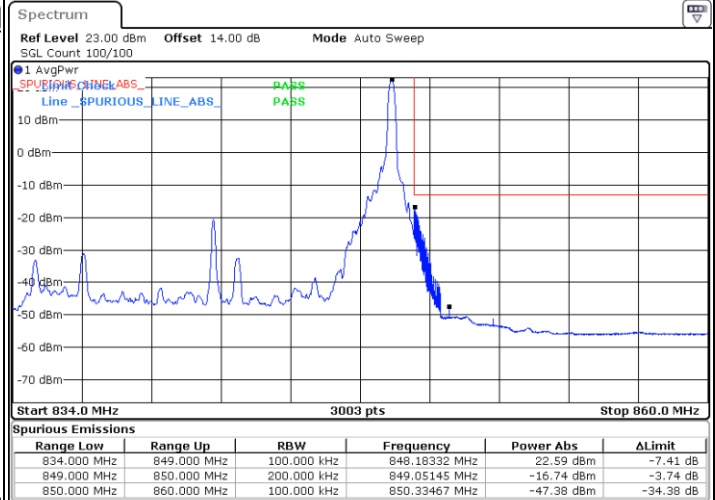


LTE Band 26 / 15MHz / QPSK

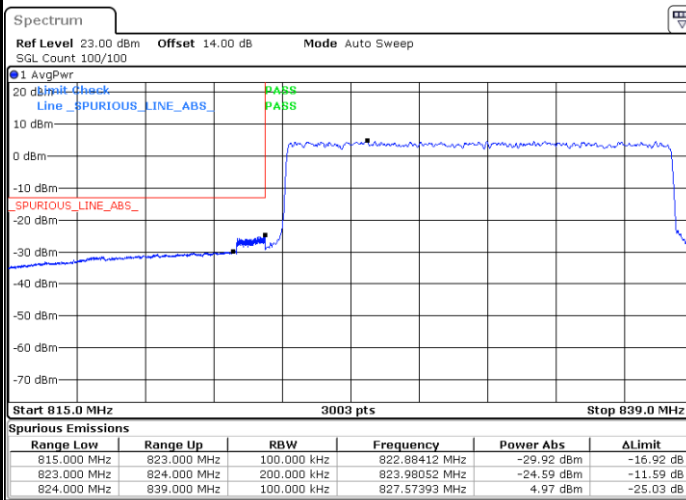
Lowest Band Edge / 1RB



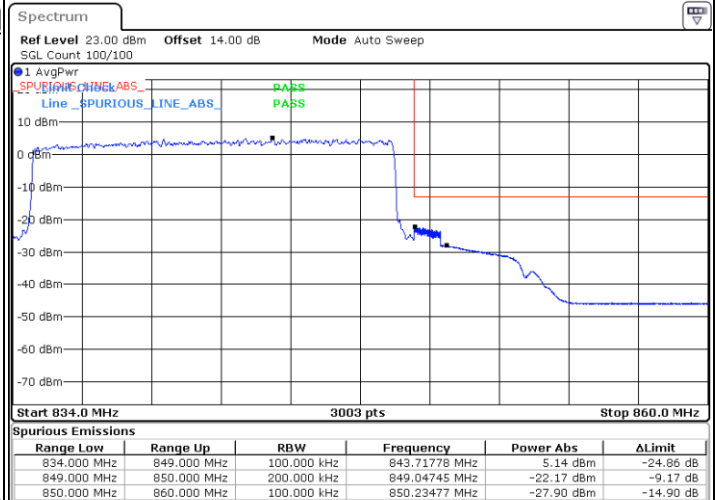
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



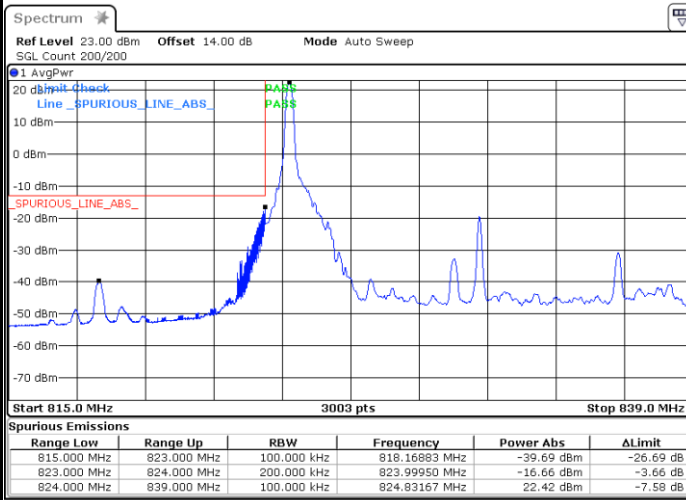
Highest Band Edge / Full RB



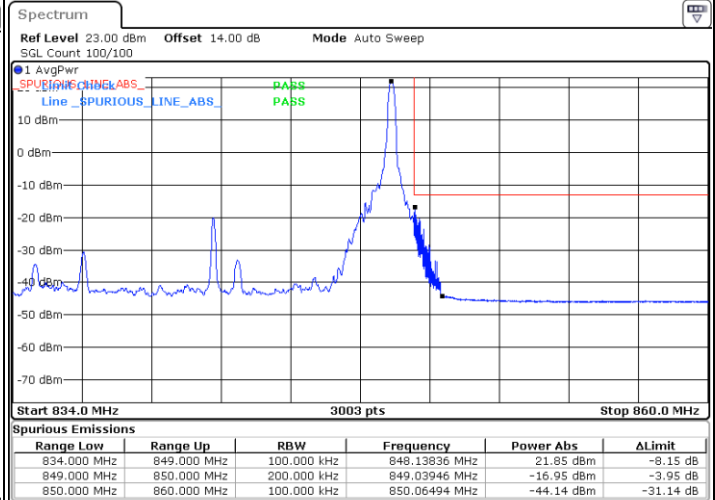


LTE Band 26 / 15MHz / 16QAM

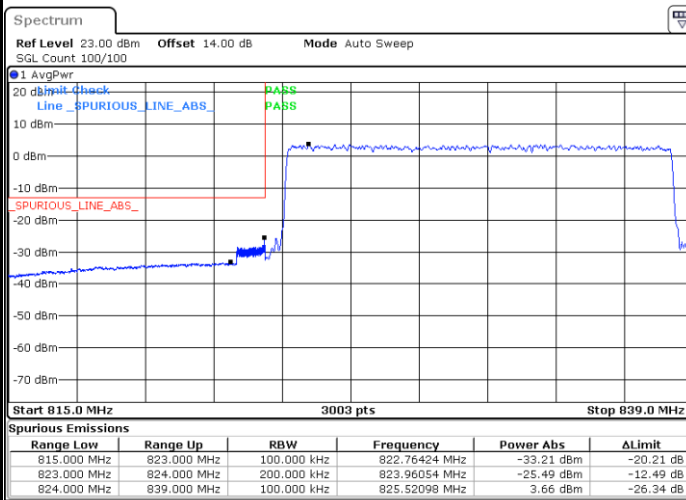
Lowest Band Edge / 1 RB



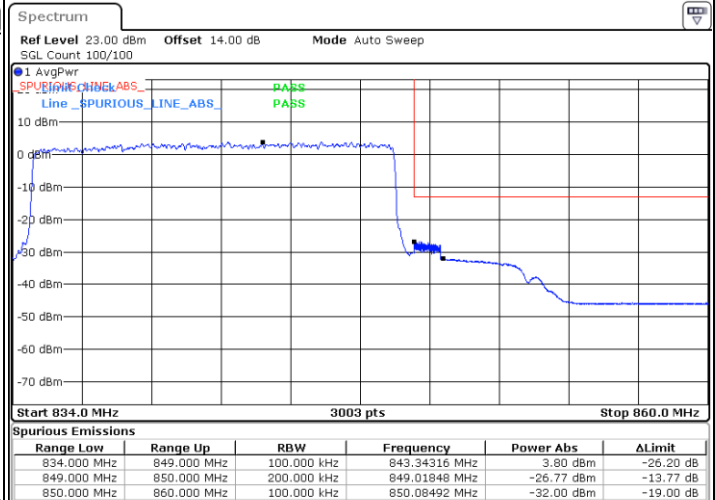
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



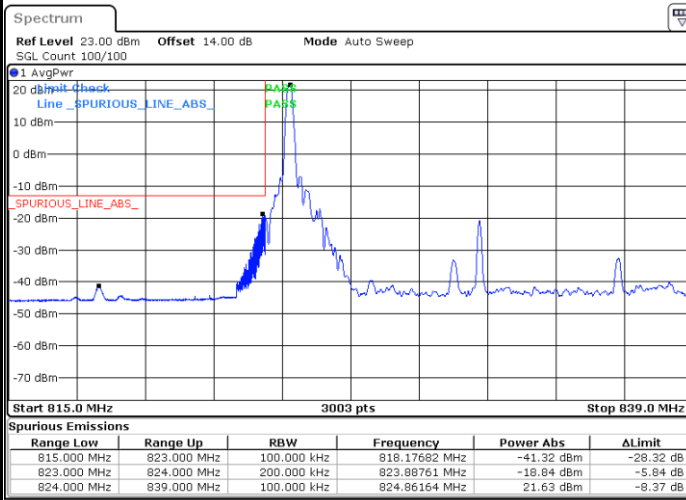
Highest Band Edge / Full RB



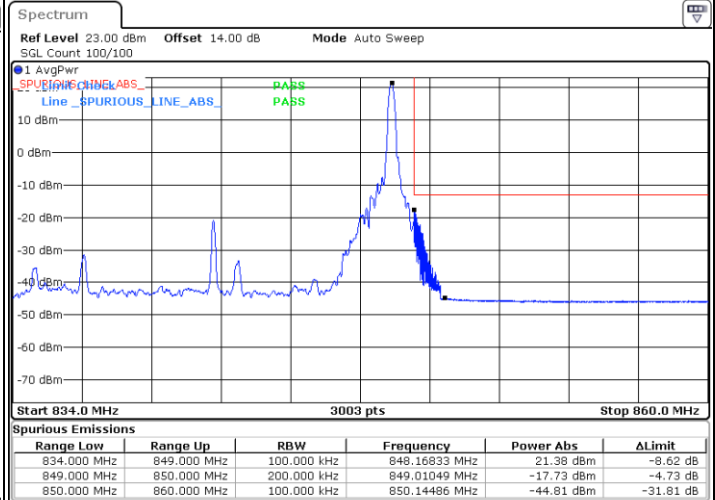


LTE Band 26 / 15MHz / 64QAM

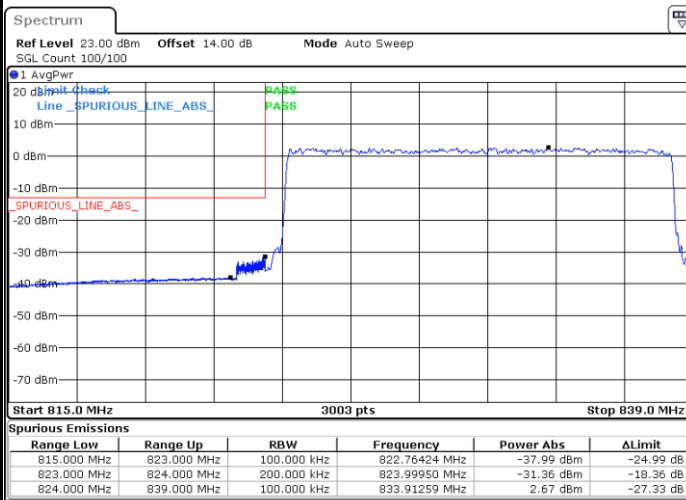
Lowest Band Edge / 1 RB



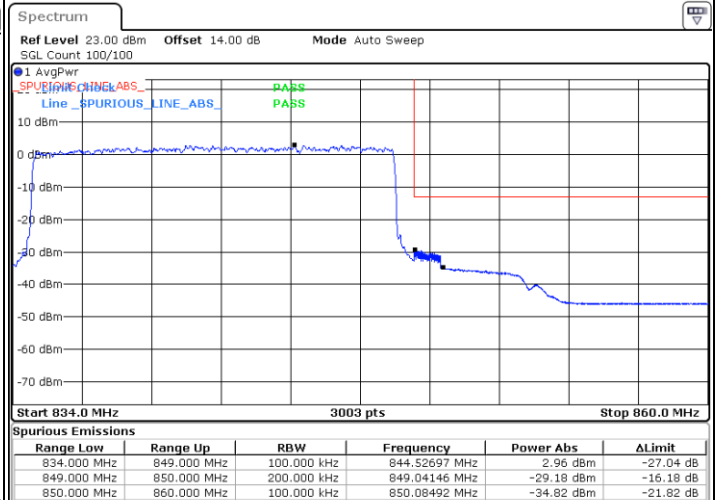
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

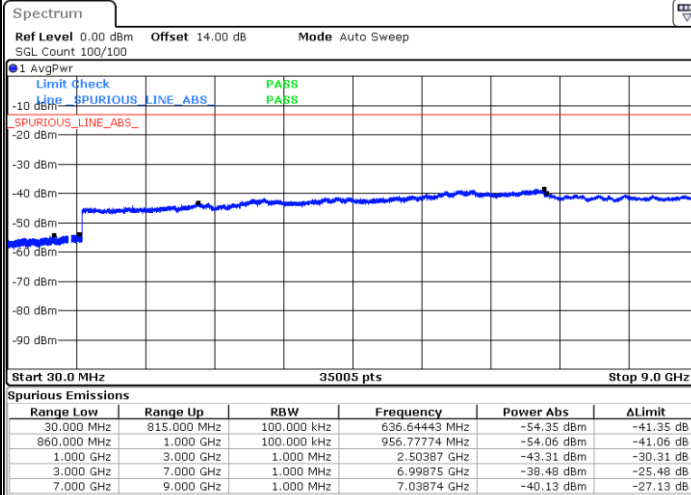




Conducted Spurious Emission

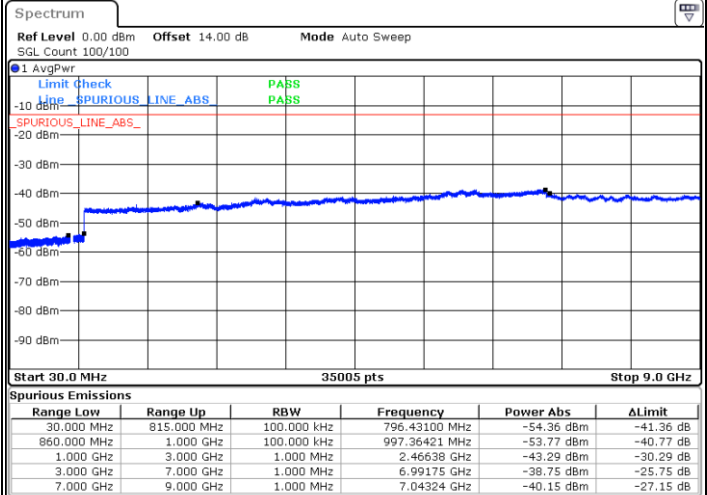
LTE Band 26 / 1.4MHz

Lowest Channel / QPSK



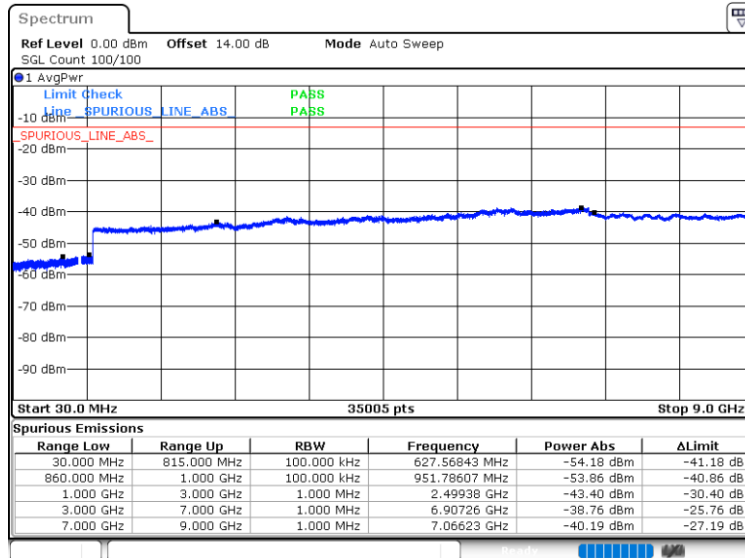
Date: 19.APR.2024 19:55:22

Middle Channel / QPSK



Date: 19.APR.2024 19:56:22

Highest Channel / QPSK

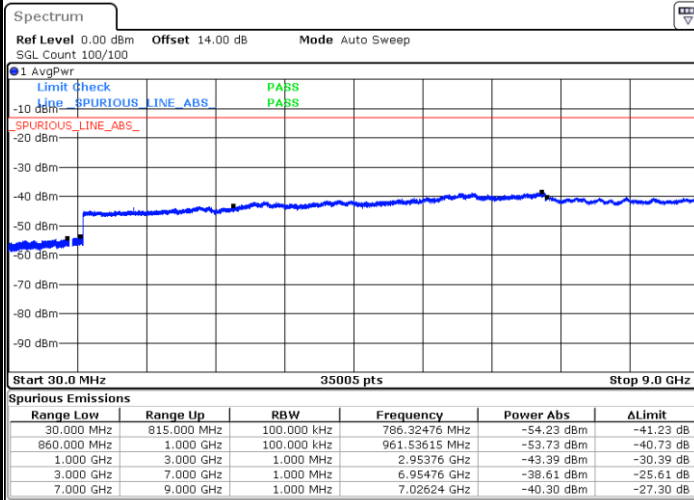


Date: 19.APR.2024 20:07:15



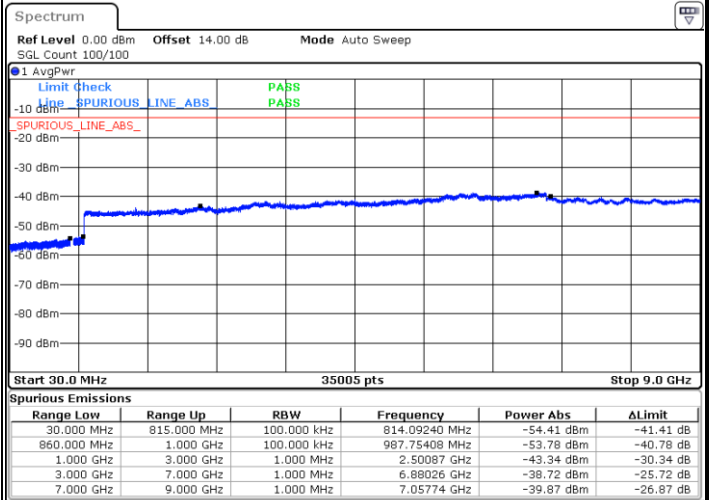
LTE Band 26 / 3MHz

Lowest Channel / QPSK



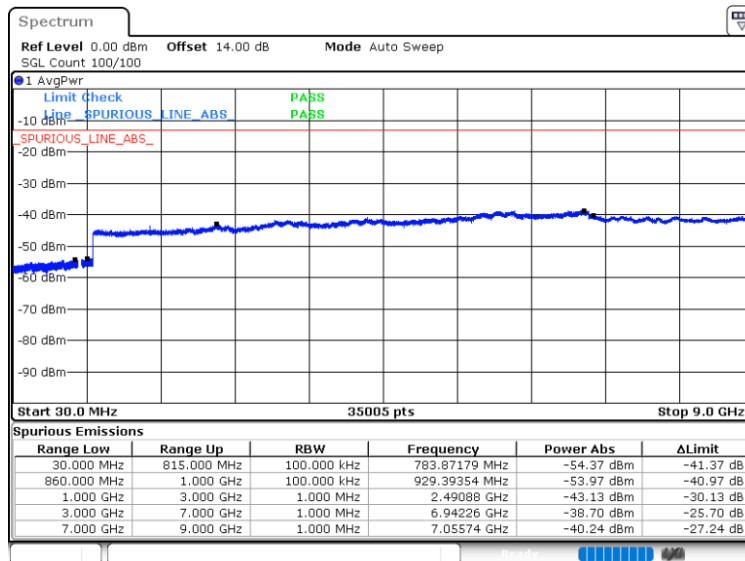
Date: 19.APR.2024 20:17:30

Middle Channel / QPSK



Date: 19.APR.2024 20:18:30

Highest Channel / QPSK

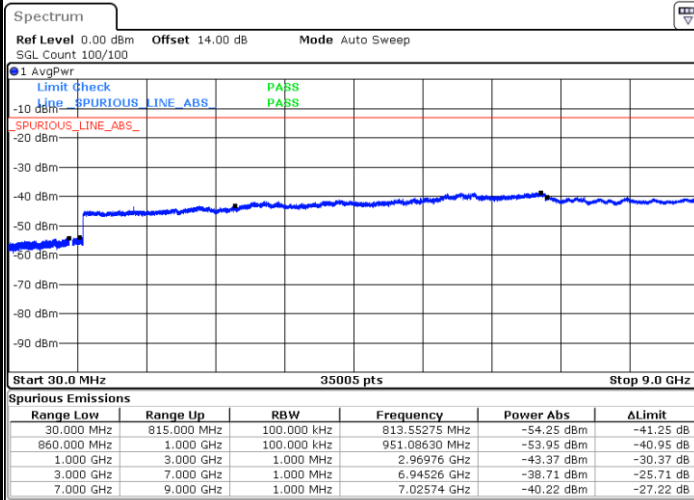


Date: 19.APR.2024 20:29:21



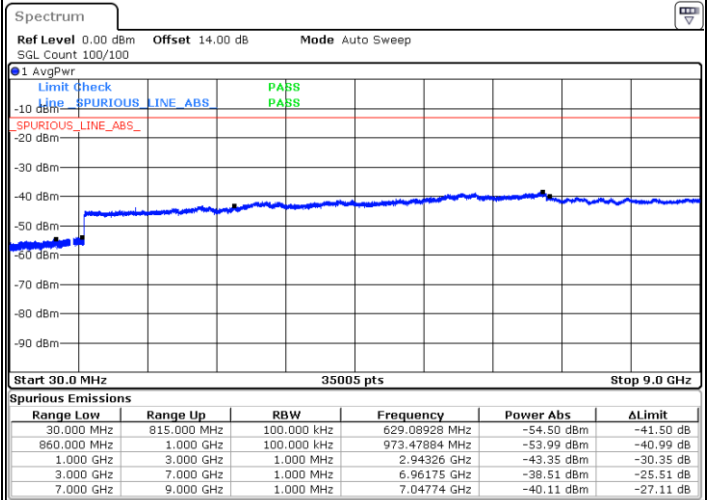
LTE Band 26 / 5MHz

Lowest Channel / QPSK



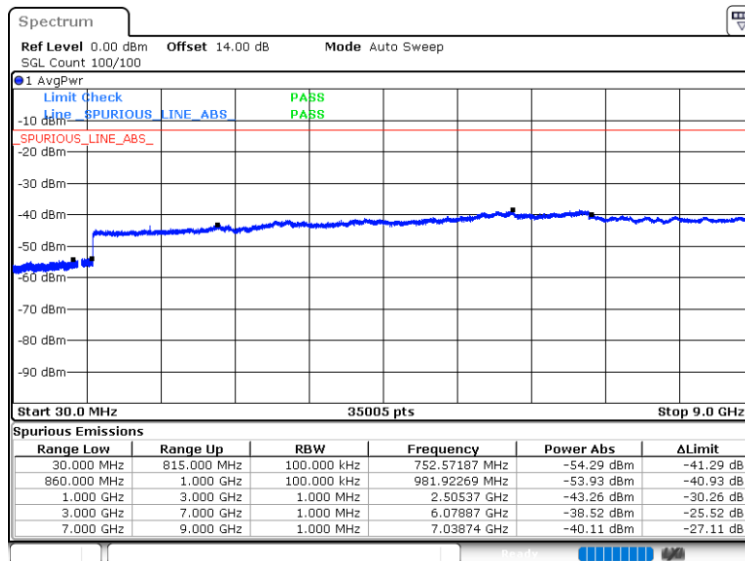
Date: 19.APR.2024 20:39:37

Middle Channel / QPSK



Date: 19.APR.2024 20:40:36

Highest Channel / QPSK

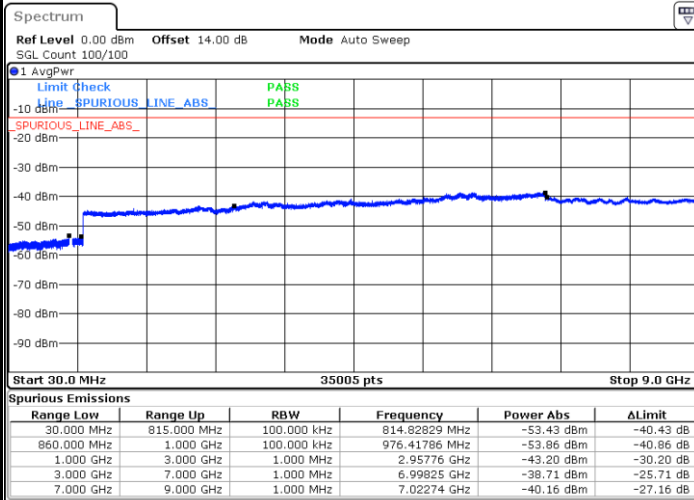


Date: 19.APR.2024 20:51:29



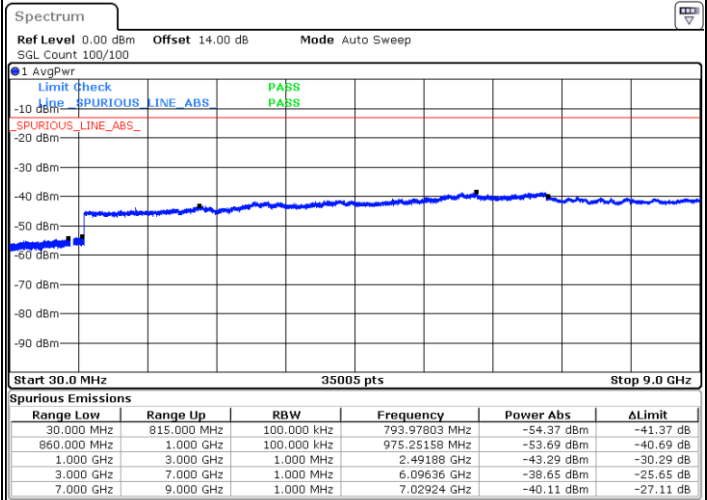
LTE Band 26 / 10MHz

Lowest Channel / QPSK



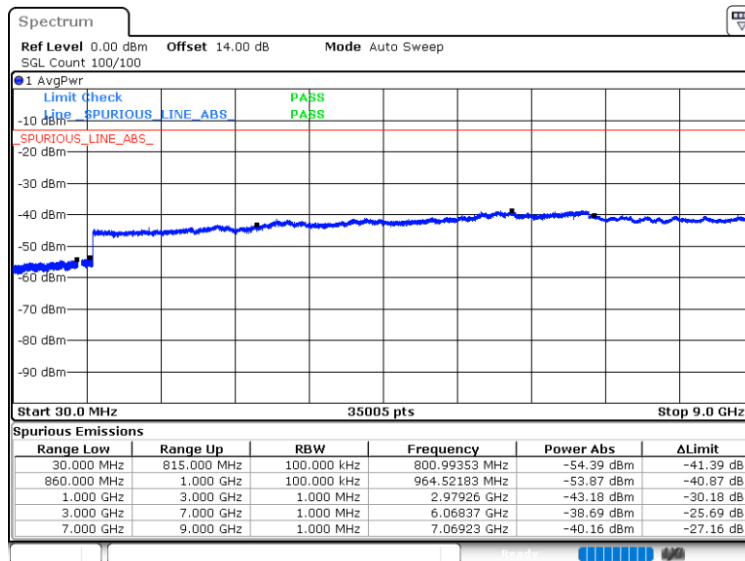
Date: 19.APR.2024 21:01:44

Middle Channel / QPSK



Date: 19.APR.2024 21:02:43

Highest Channel / QPSK

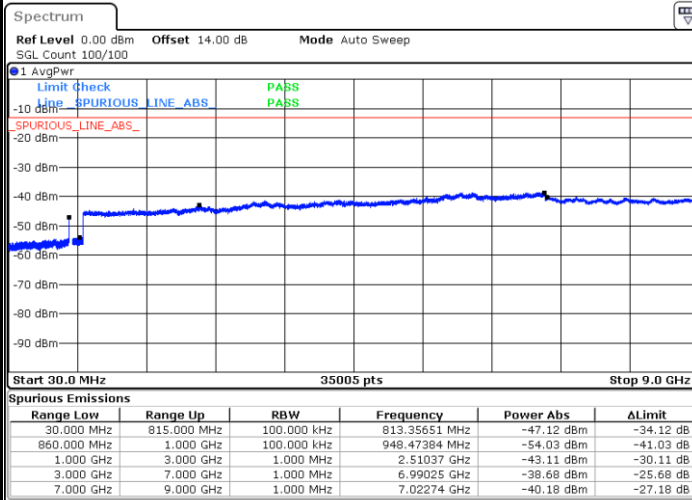


Date: 19.APR.2024 21:13:35



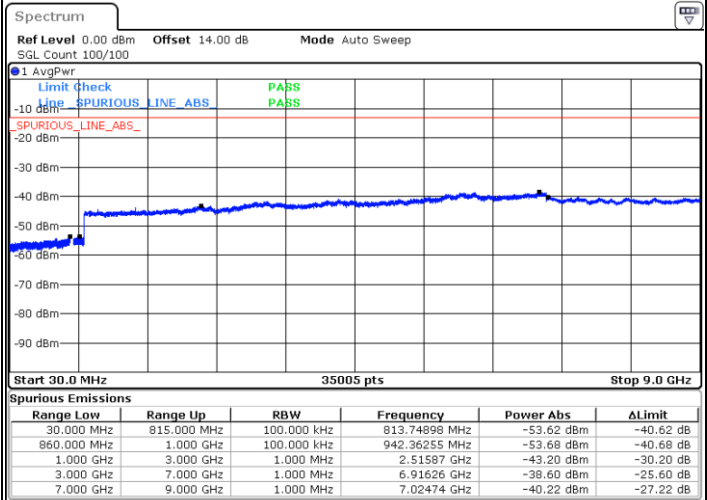
LTE Band 26 / 15MHz

Lowest Channel / QPSK



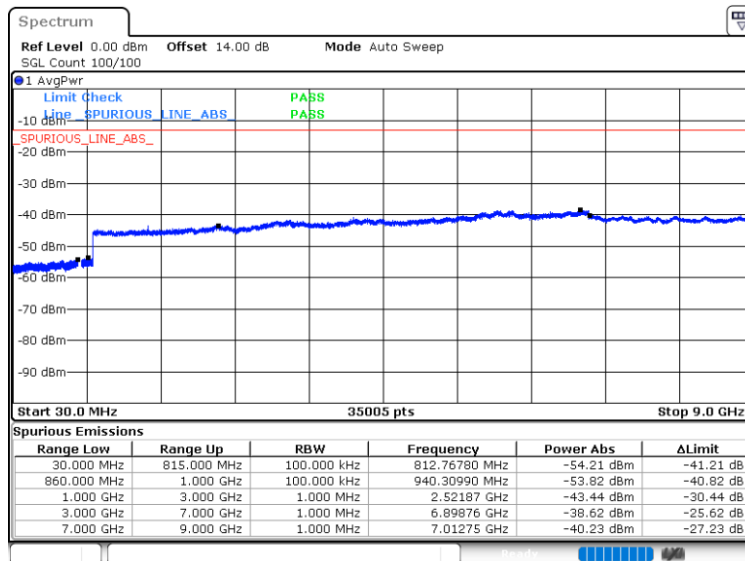
Date: 19.APR.2024 21:23:47

Middle Channel / QPSK



Date: 19.APR.2024 21:24:46

Highest Channel / QPSK



Date: 19.APR.2024 21:36:59

Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0154	
-10	Normal Voltage	0.0083	
-20	Normal Voltage	0.0035	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0151	

Note:

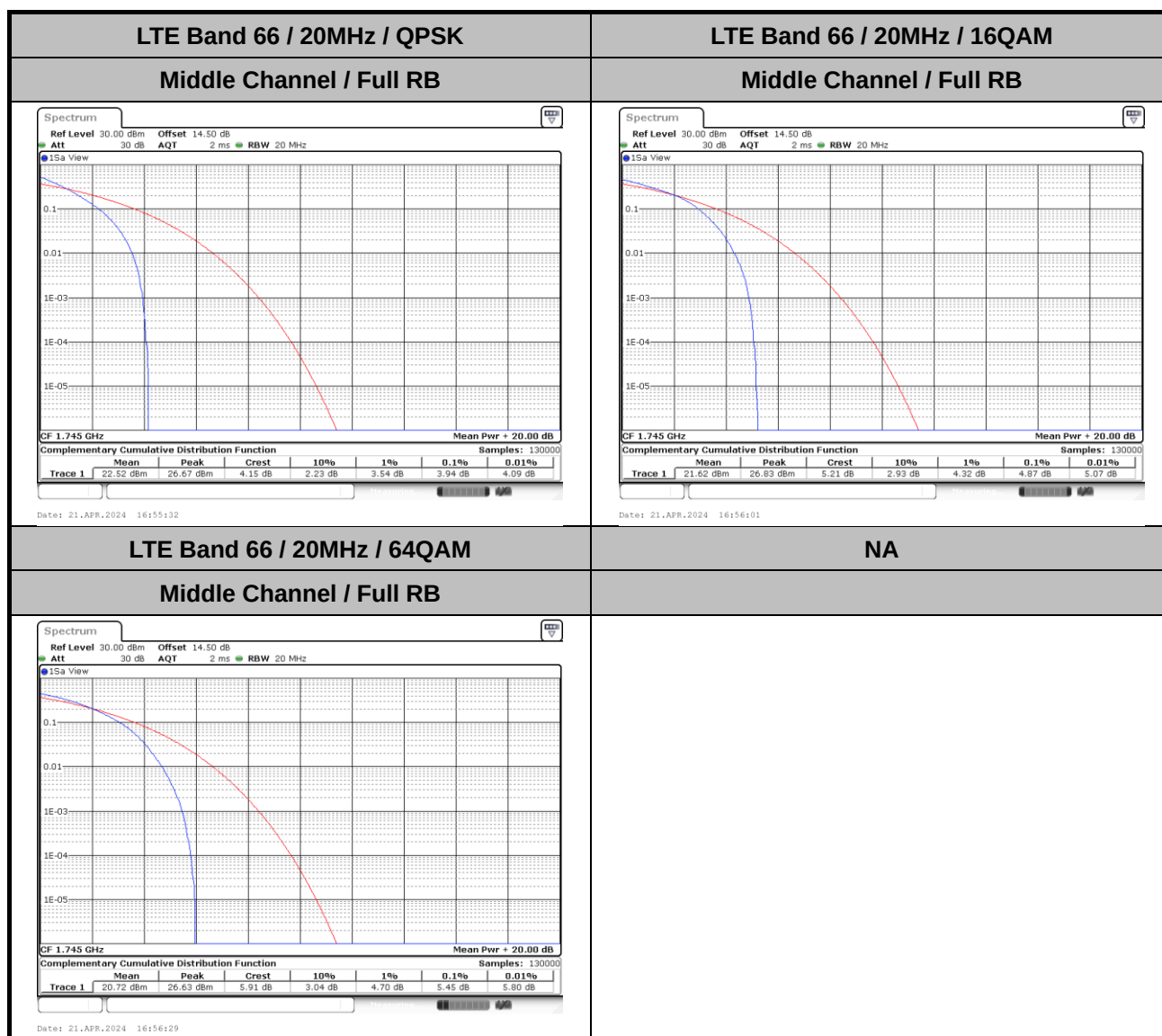
1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66 (Main PA)

Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	3.94	4.87	5.45	PASS





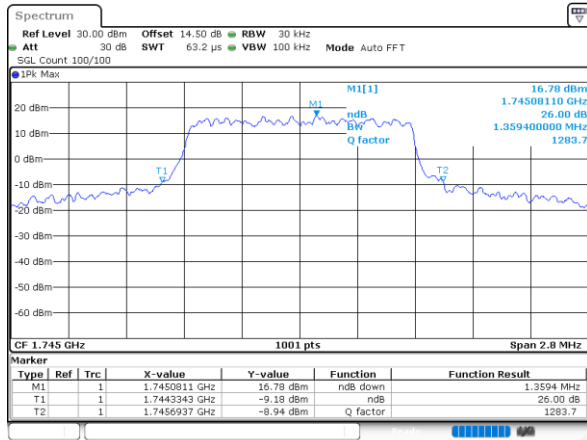
26dB Bandwidth

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	1.36	1.26	3.00	3.06	4.85	4.78	9.73	10.03	14.15	14.21	18.86	18.86



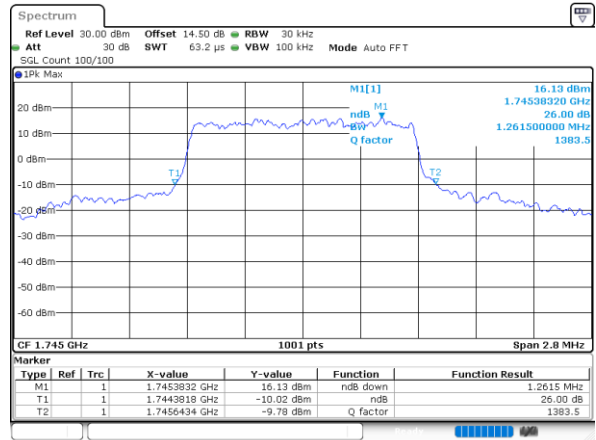
LTE Band 66

Middle Channel / 1.4MHz / QPSK



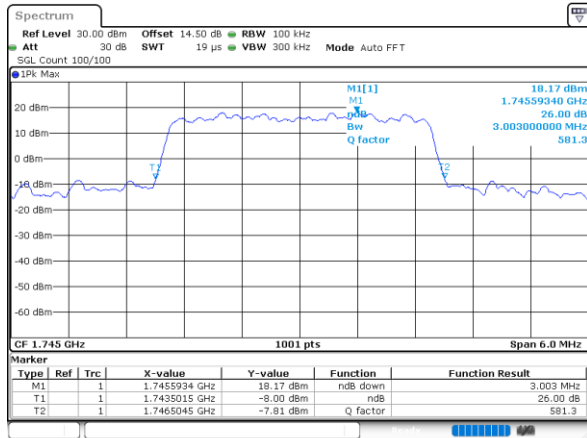
Date: 21.APR.2024 15:38:51

Middle Channel / 1.4MHz / 16QAM



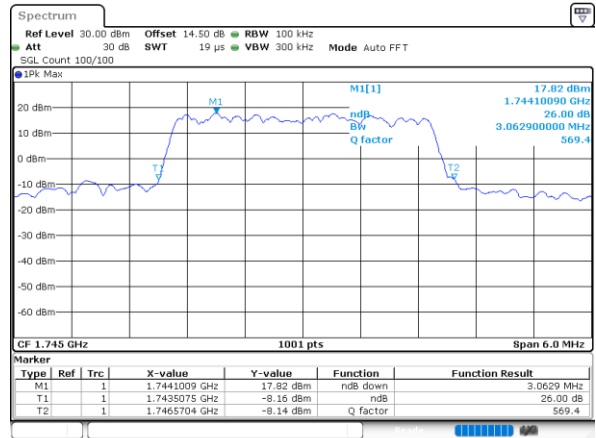
Date: 21.APR.2024 15:39:32

Middle Channel / 3MHz / QPSK



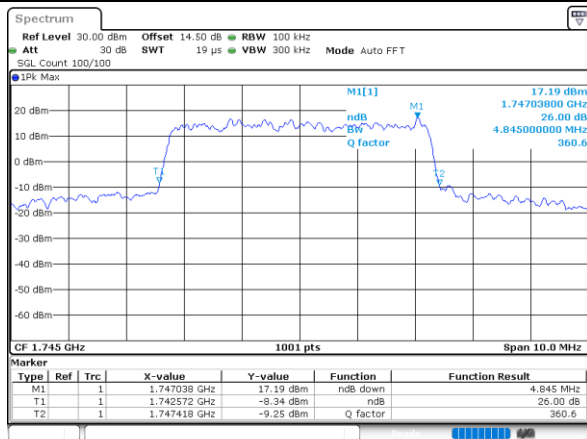
Date: 21.APR.2024 15:53:52

Middle Channel / 3MHz / 16QAM



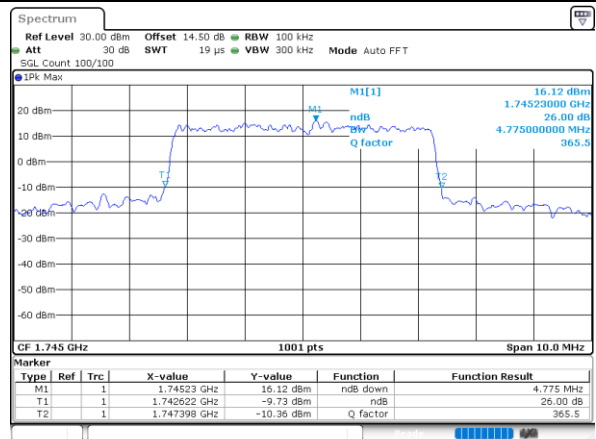
Date: 21.APR.2024 15:54:33

Middle Channel / 5MHz / QPSK



Date: 21.APR.2024 16:09:20

Middle Channel / 5MHz / 16QAM

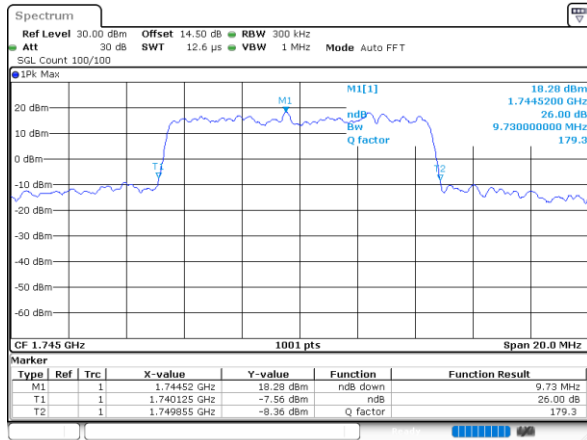


Date: 21.APR.2024 16:10:01

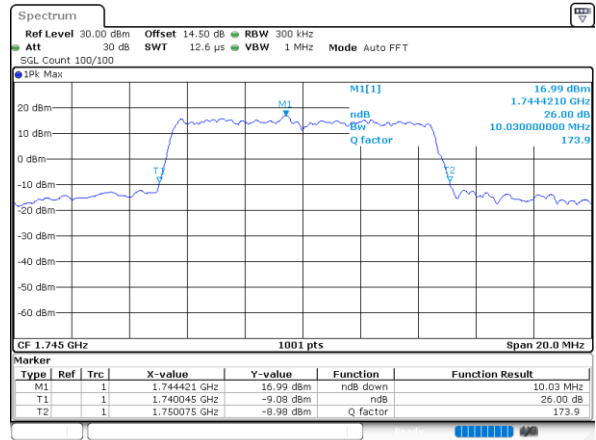


LTE Band 66

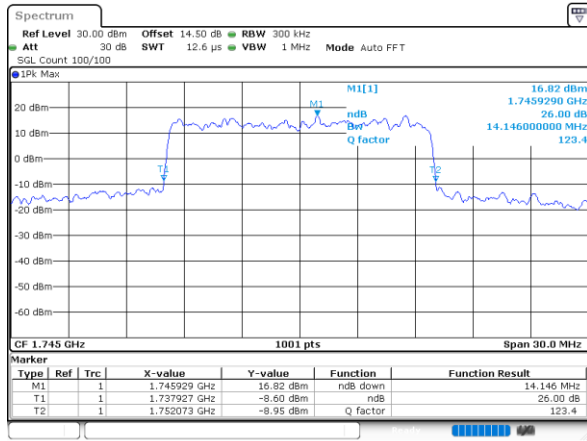
Middle Channel / 10MHz / QPSK



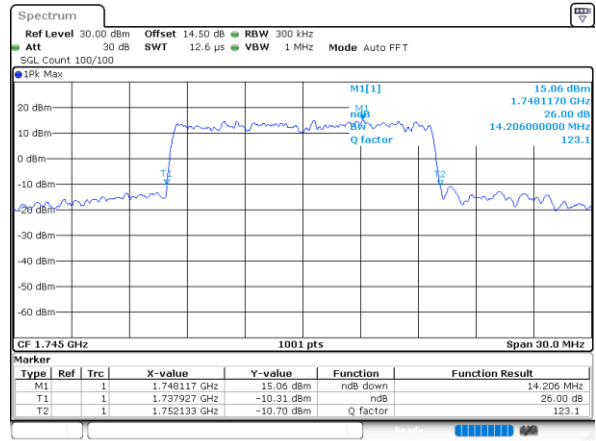
Middle Channel / 10MHz / 16QAM



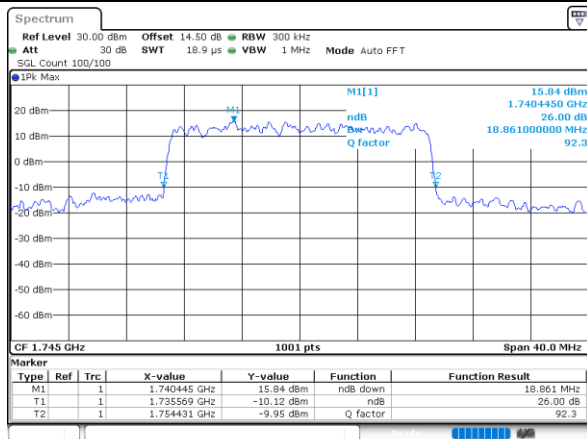
Middle Channel / 15MHz / QPSK



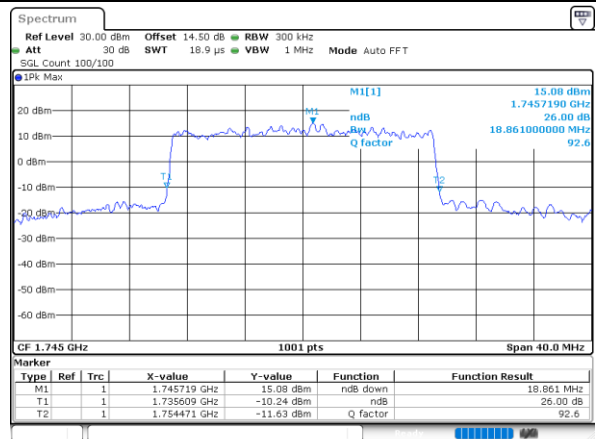
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM





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	1.10	1.10	2.72	2.72	4.50	4.48	9.03	9.07	13.43	13.49	17.86	17.94