

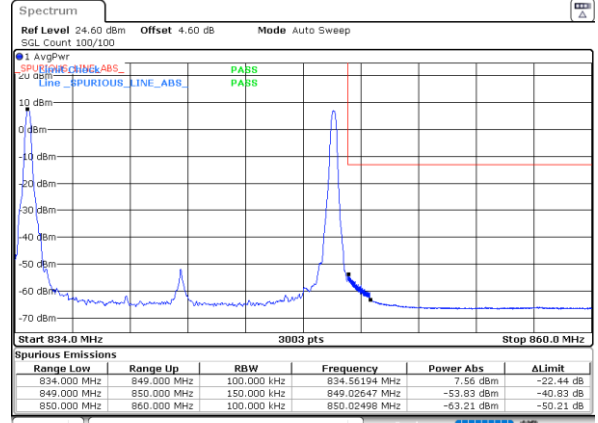
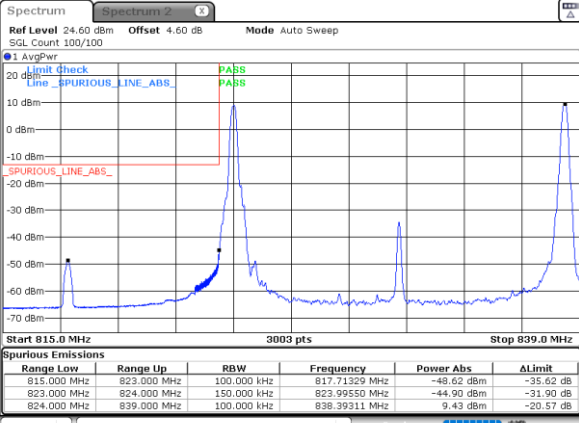


LTE Band 5B / 10MHz+5MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

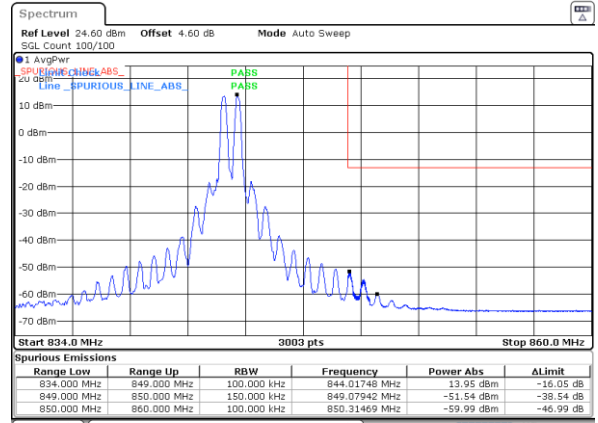
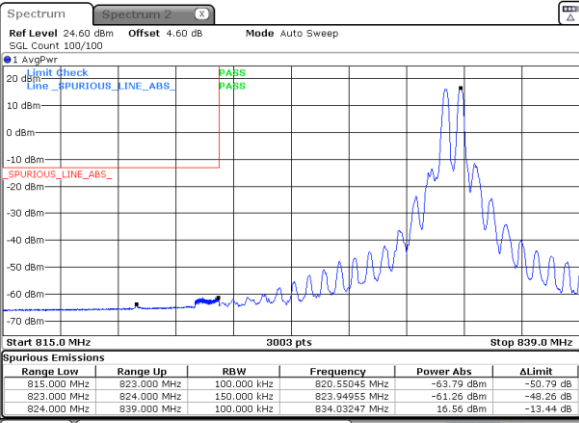


Date: 30, NOV, 2022 23:49:06

Date: 4, DEC, 2022 19:09:46

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

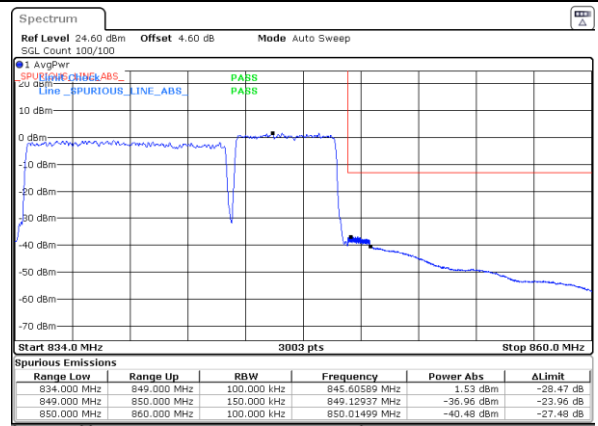
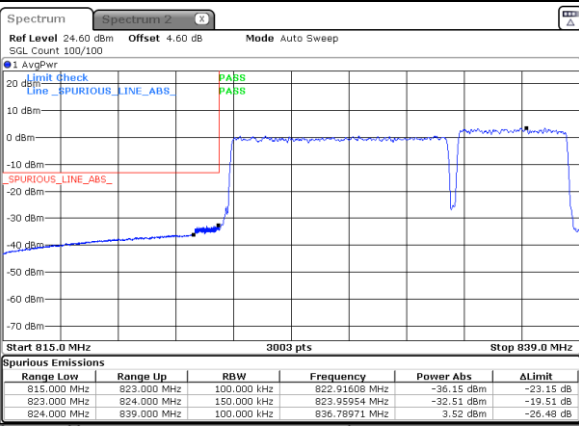


Date: 30, NOV, 2022 23:58:33

Date: 4, DEC, 2022 19:17:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30, NOV, 2022 23:45:44

Date: 4, DEC, 2022 19:01:57

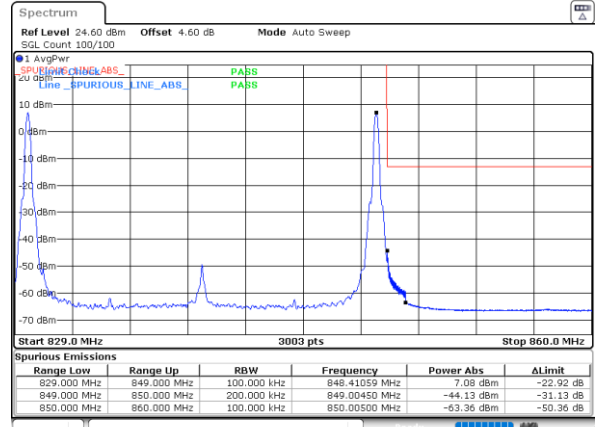
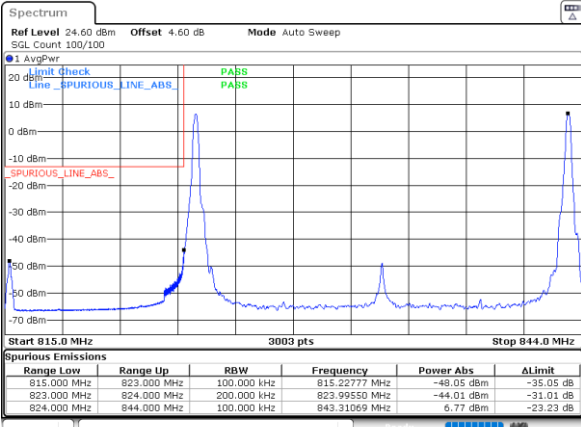


LTE Band 5B / 10MHz+10MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

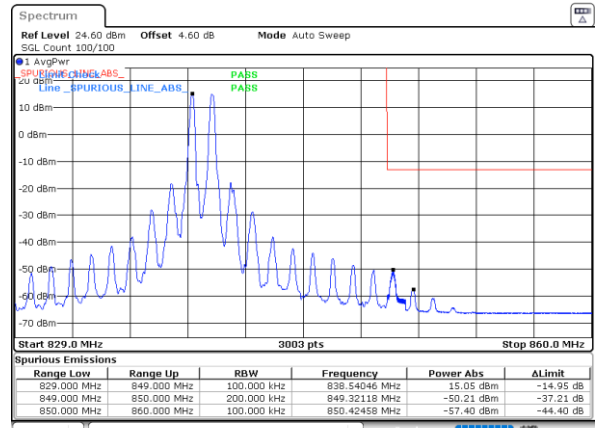
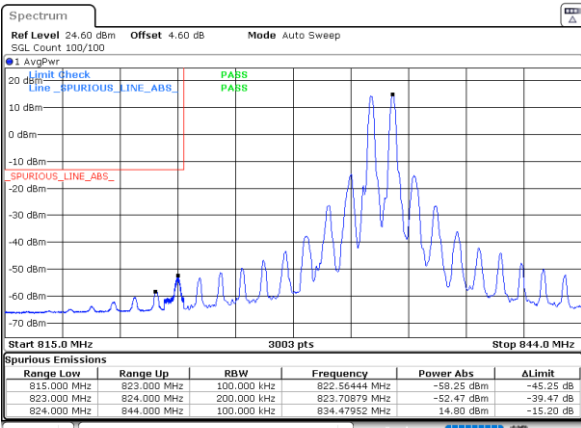


Date: 4, DEC, 2022 19:33:25

Date: 4, DEC, 2022 19:57:06

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

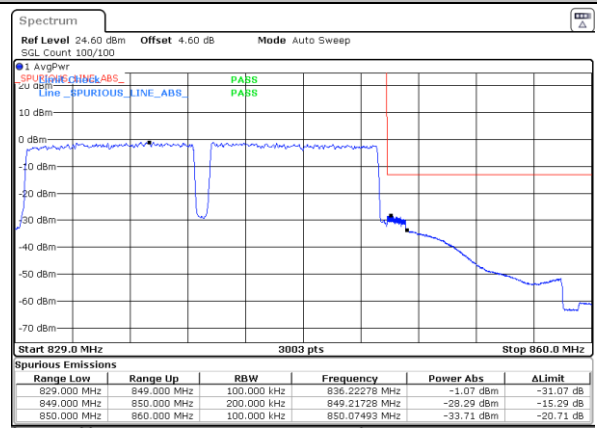
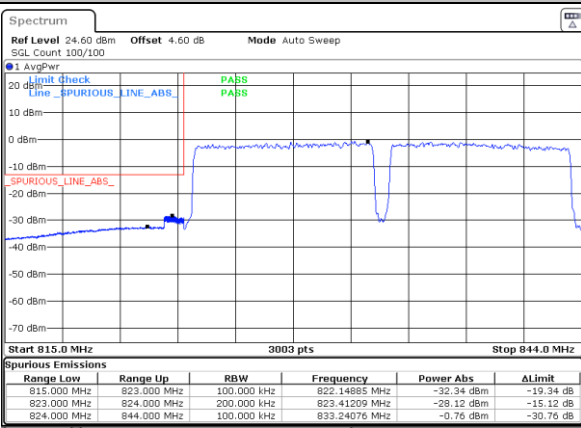


Date: 4, DEC, 2022 19:41:16

Date: 4, DEC, 2022 20:04:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4, DEC, 2022 19:25:34

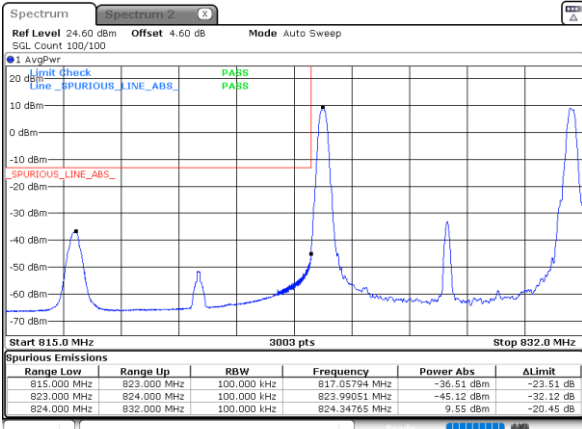
Date: 4, DEC, 2022 19:49:15



LTE Band 5B / 3MHz+5MHz

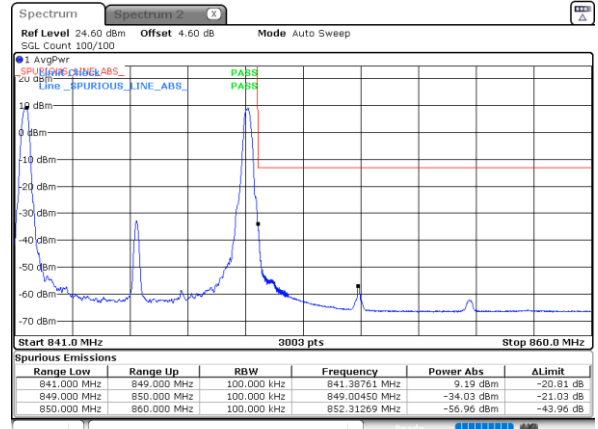
256QAM

Lowest Band Edge / 1RB0 and 1RB24



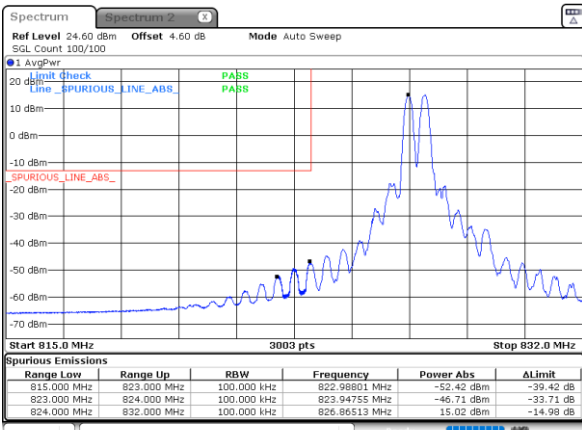
Date: 30,NOV,2022 21:35:17

Highest Band Edge / 1RB0 and 1RB24



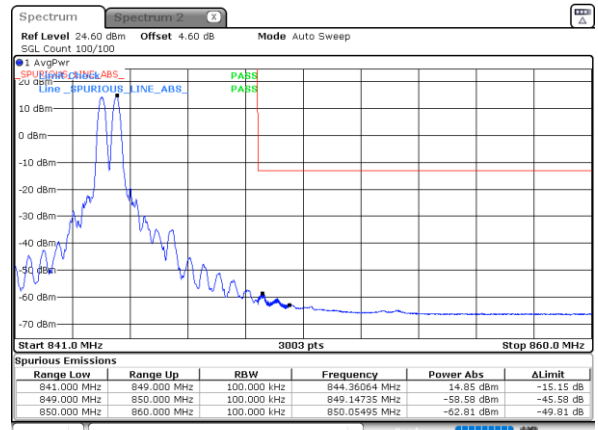
Date: 30,NOV,2022 21:57:24

Lowest Band Edge / 1RB14 and 1RB0



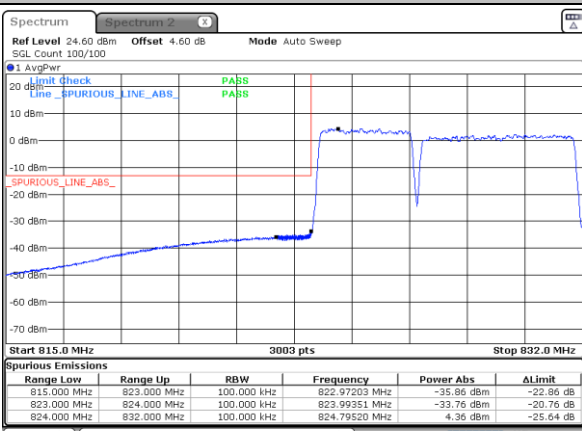
Date: 30,NOV,2022 21:43:47

Highest Band Edge / 1RB14 and 1RB0



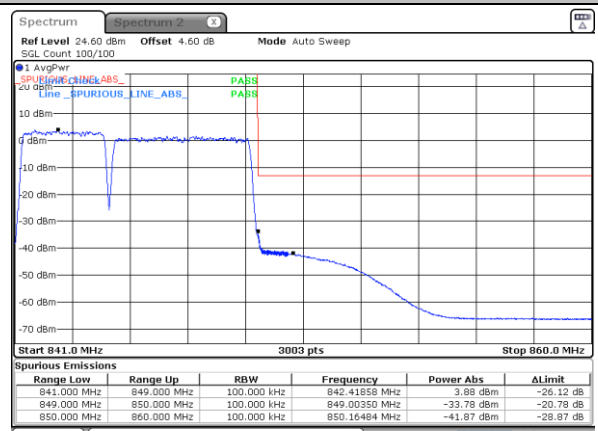
Date: 30,NOV,2022 21:46:36

Lowest Band Edge / Full RB



Date: 30,NOV,2022 21:34:18

Highest Band Edge / Full RB



Date: 30,NOV,2022 21:58:40

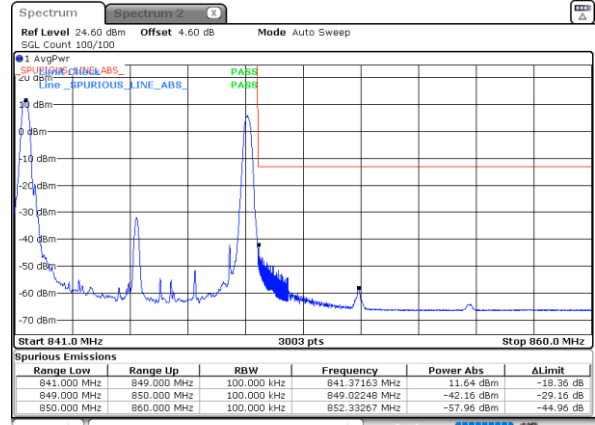
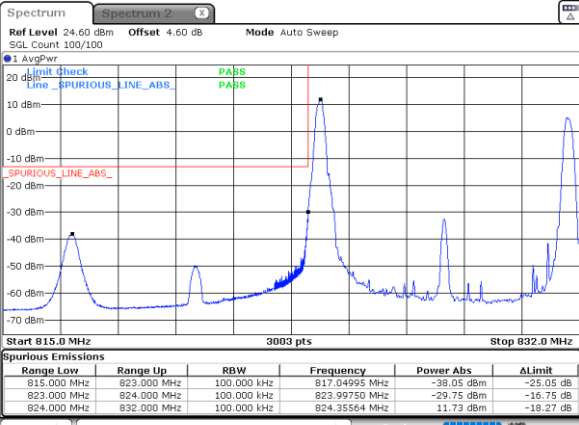


LTE Band 5B / 5MHz+3MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB14

Highest Band Edge / 1RB0 and 1RB14

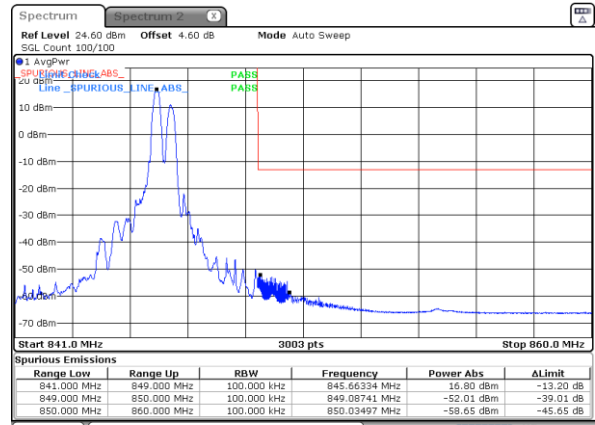
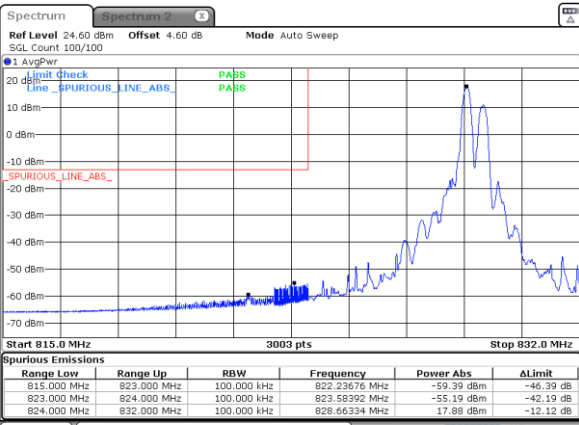


Date: 30,NOV,2022 22:18:55

Date: 30,NOV,2022 22:18:04

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

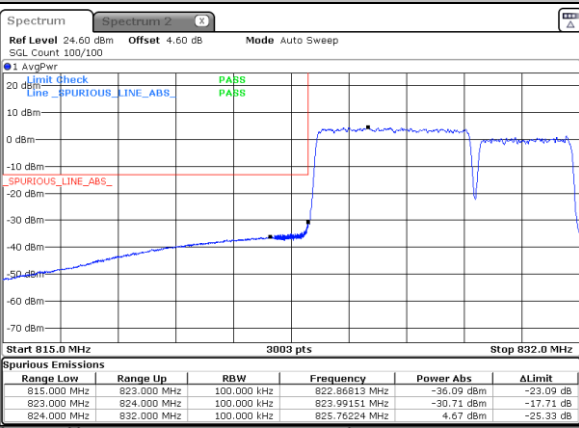


Date: 30,NOV,2022 22:27:06

Date: 30,NOV,2022 22:28:50

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30,NOV,2022 22:17:52

Date: 30,NOV,2022 22:19:14

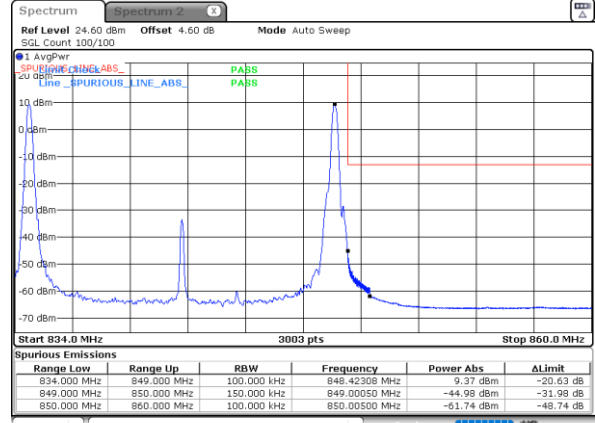
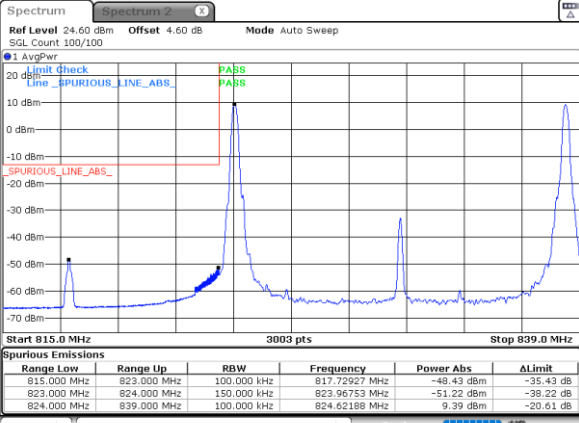


LTE Band 5B / 5MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

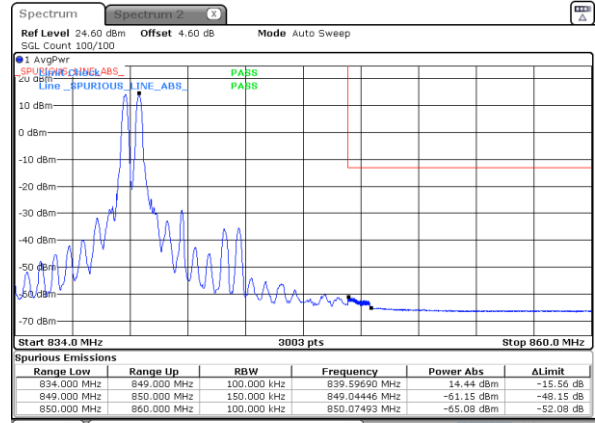
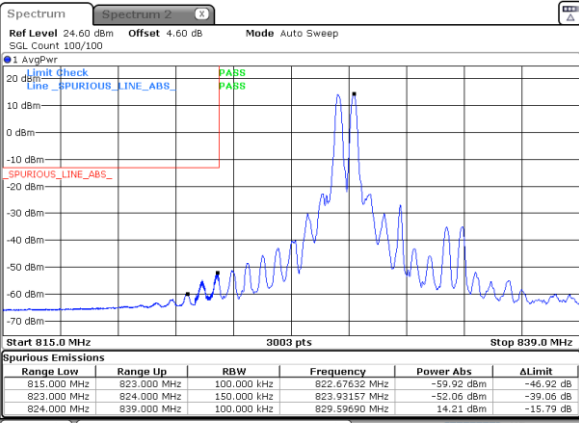


Date: 30,NOV,2022 23:06:52

Date: 30,NOV,2022 23:27:28

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

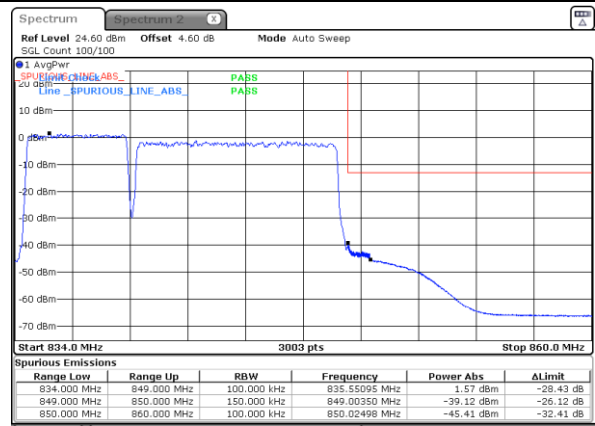
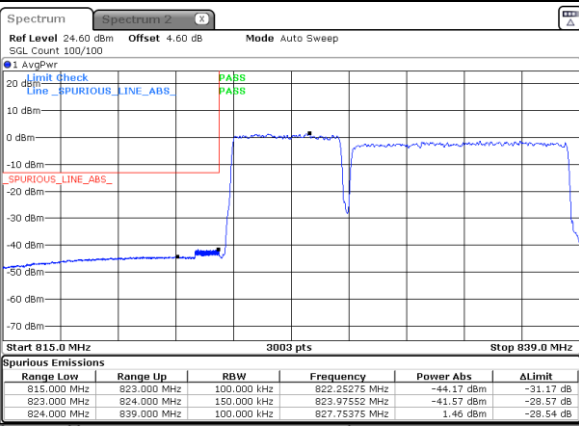


Date: 30,NOV,2022 23:05:11

Date: 30,NOV,2022 23:28:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30,NOV,2022 23:15:56

Date: 30,NOV,2022 23:17:23

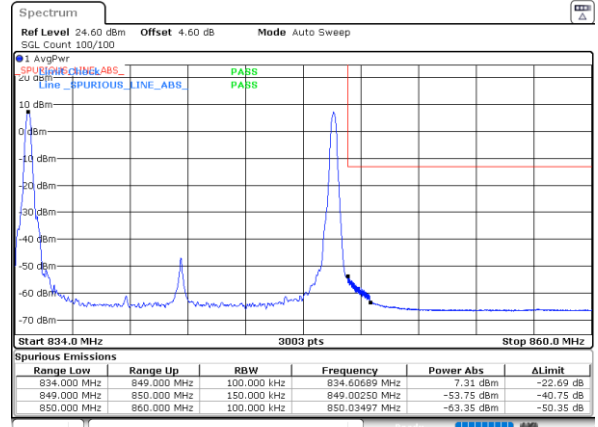
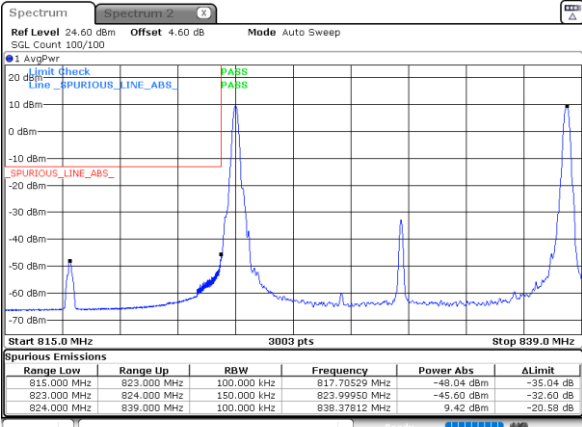


LTE Band 5B / 10MHz+5MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

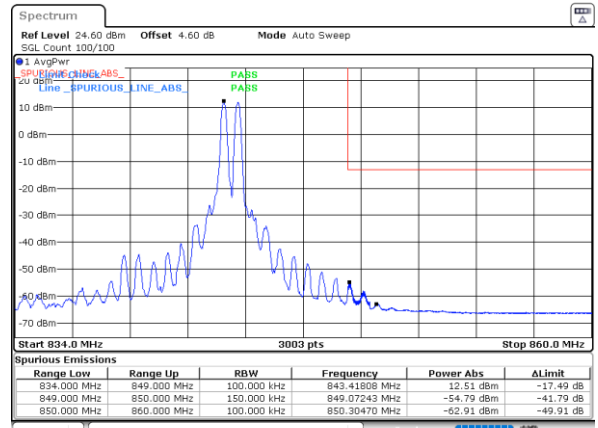
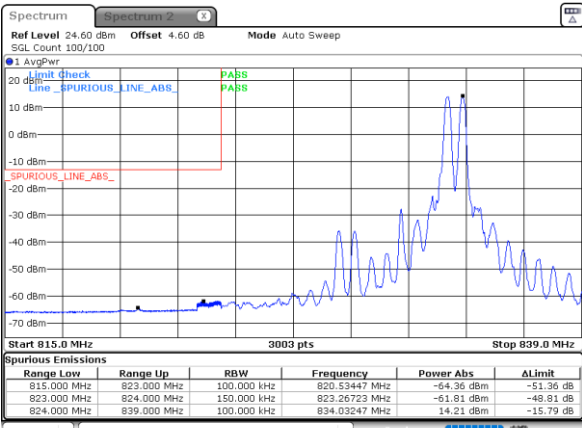


Date: 30, NOV, 2022 23:47:35

Date: 4, DEC, 2022 19:11:43

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

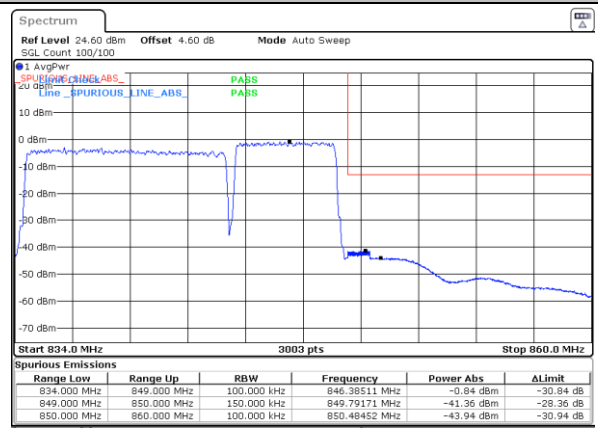
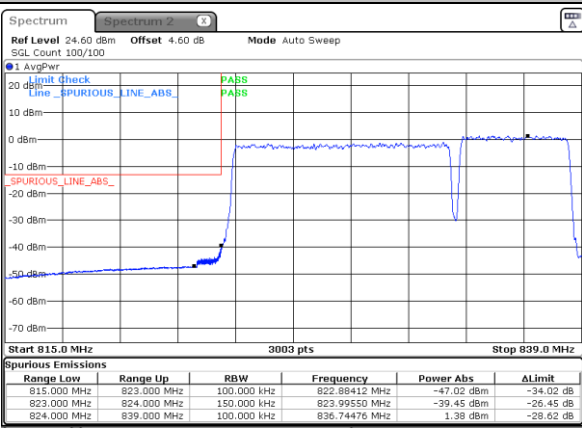


Date: 30, NOV, 2022 23:59:30

Date: 4, DEC, 2022 19:19:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30, NOV, 2022 23:46:36

Date: 4, DEC, 2022 19:03:54

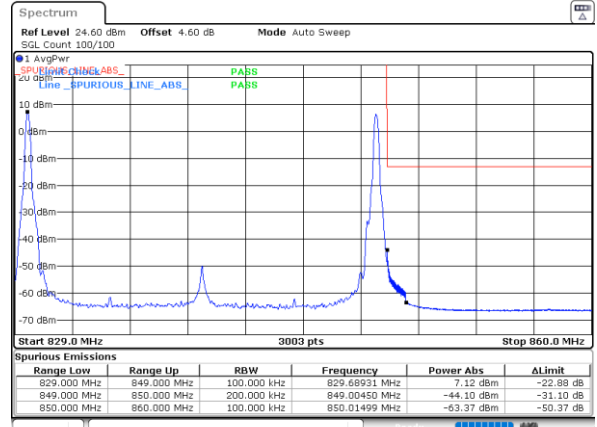
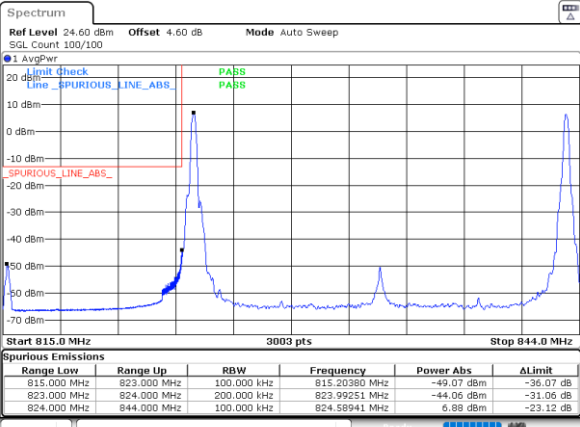


LTE Band 5B / 10MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

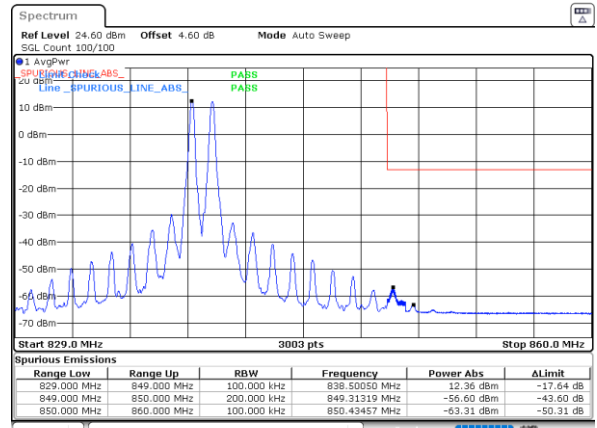
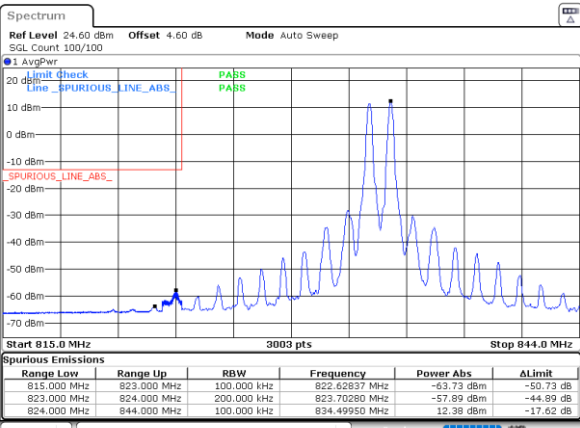


Date: 4, DEC, 2022 19:35:24

Date: 4, DEC, 2022 19:59:04

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

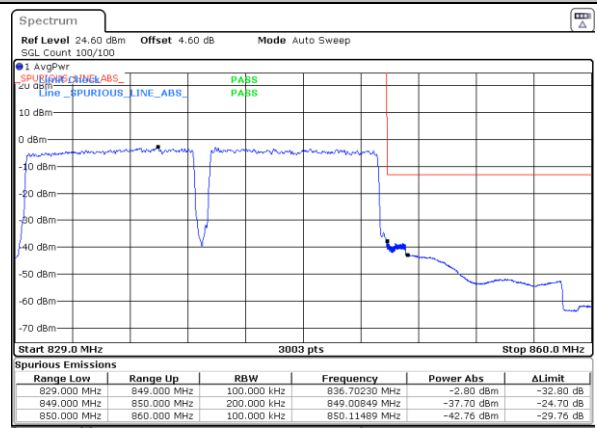
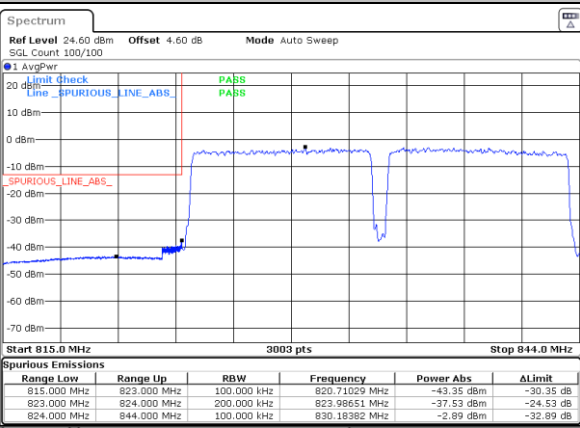


Date: 4, DEC, 2022 19:43:14

Date: 4, DEC, 2022 20:06:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4, DEC, 2022 19:27:32

Date: 4, DEC, 2022 19:51:13



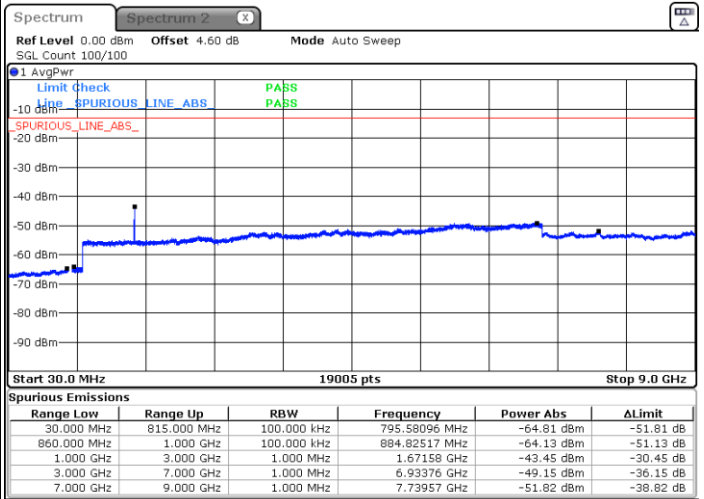
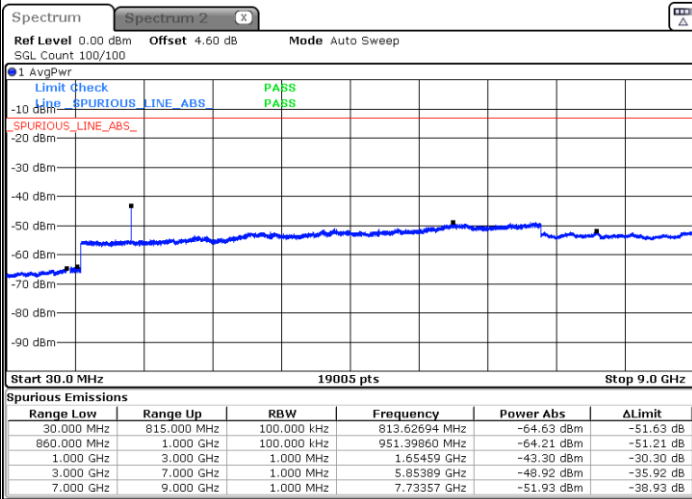
Conducted Spurious Emission

LTE Band 5B / 3MHz+5MHz

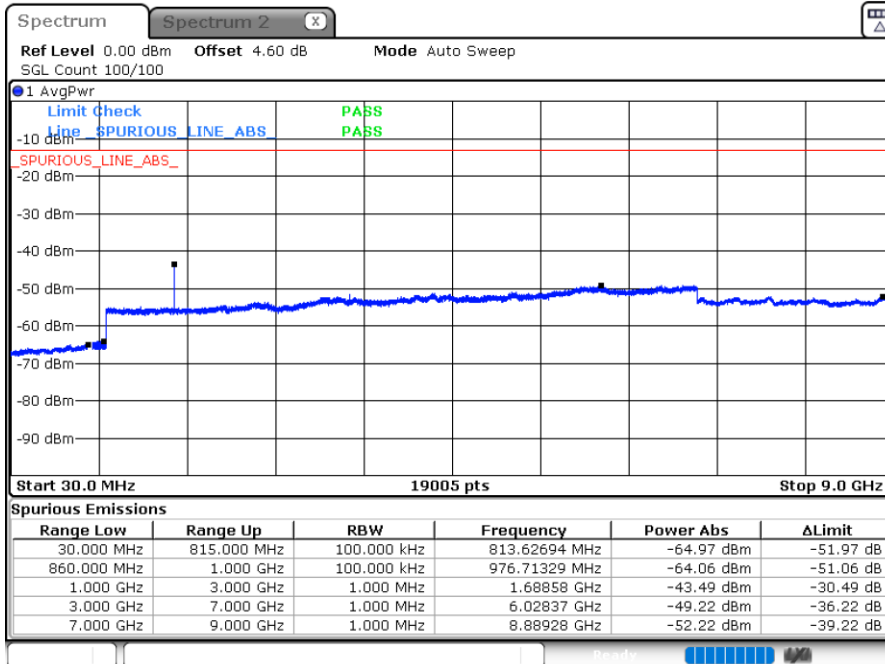
QPSK

Lowest Channel / 1RB14 and 1RB0

Middle Channel / 1RB14 and 1RB0



Highest Channel / 1RB14 and 1RB0



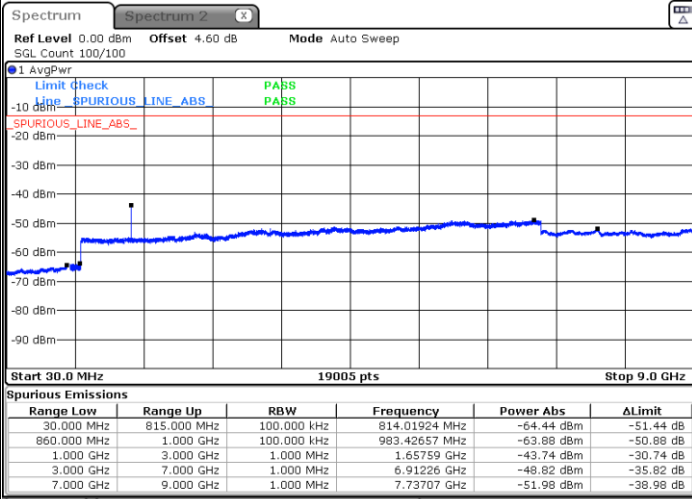


LTE Band 5B / 5MHz+3MHz

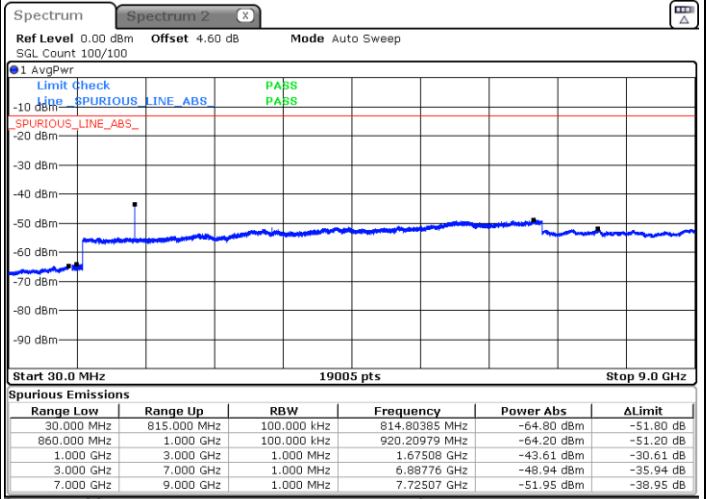
QPSK

Lowest Channel / 1RB24 and 1RB0

Middle Channel / 1RB24 and 1RB0

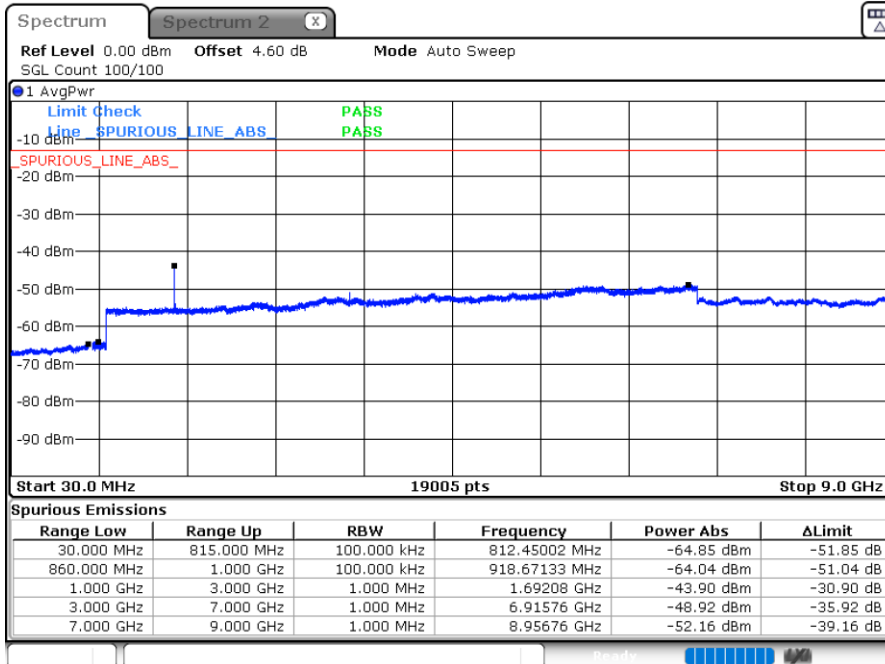


Date: 30.NOV.2022 22:54:51



Date: 30.NOV.2022 22:56:46

Highest Channel / 1RB24 and 1RB0



Date: 30.NOV.2022 22:58:46

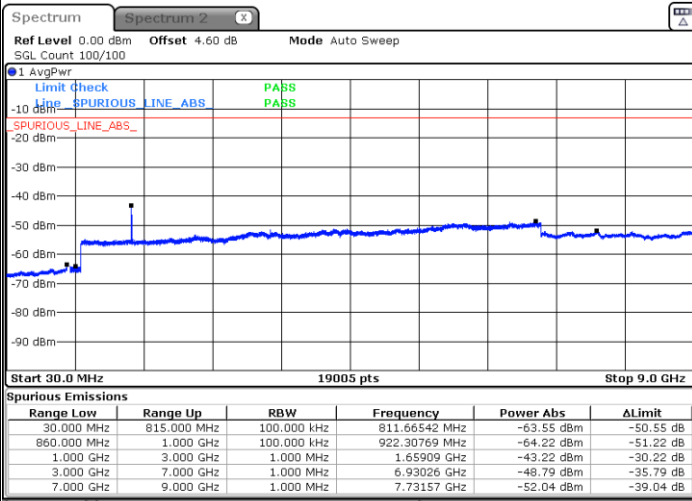


LTE Band 5B / 5MHz+10MHz

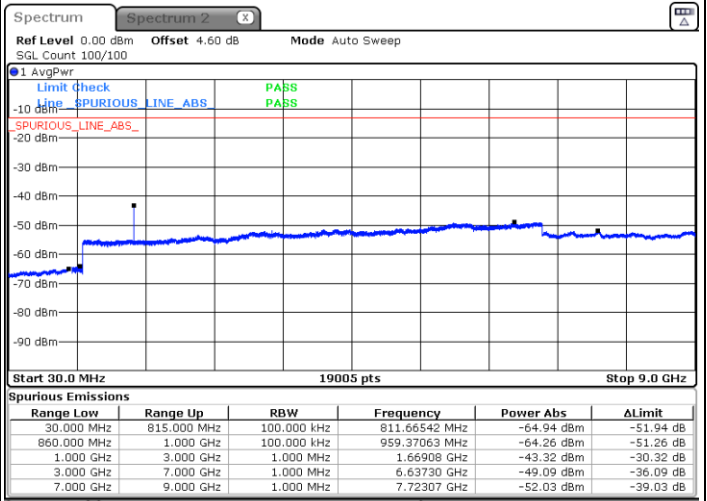
QPSK

Lowest Channel / 1RB24 and 1RB0

Middle Channel / 1RB24 and 1RB0

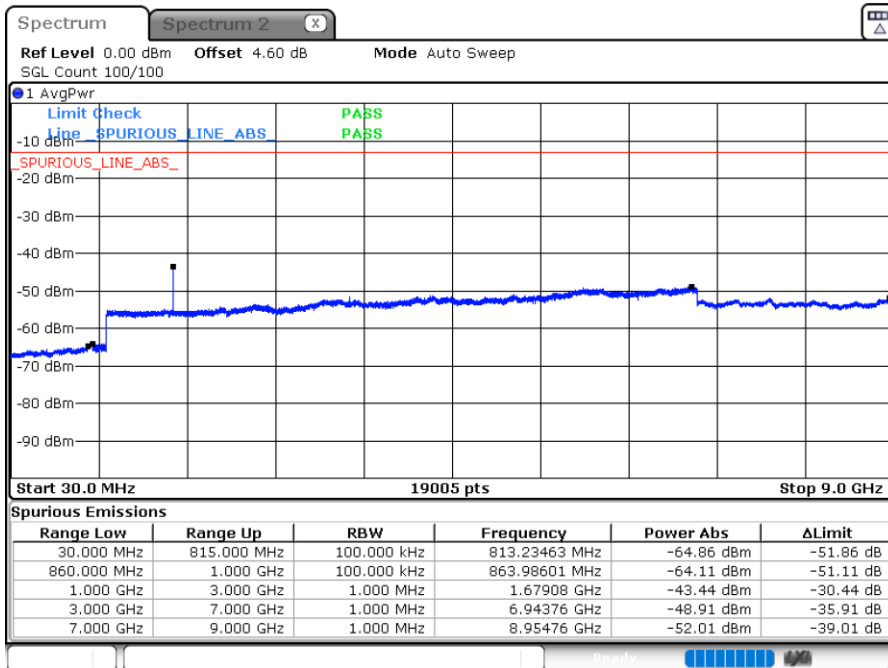


Date: 30.NOV.2022 23:38:35



Date: 30.NOV.2022 23:36:45

Highest Channel / 1RB24 and 1RB0



Date: 30.NOV.2022 23:34:21

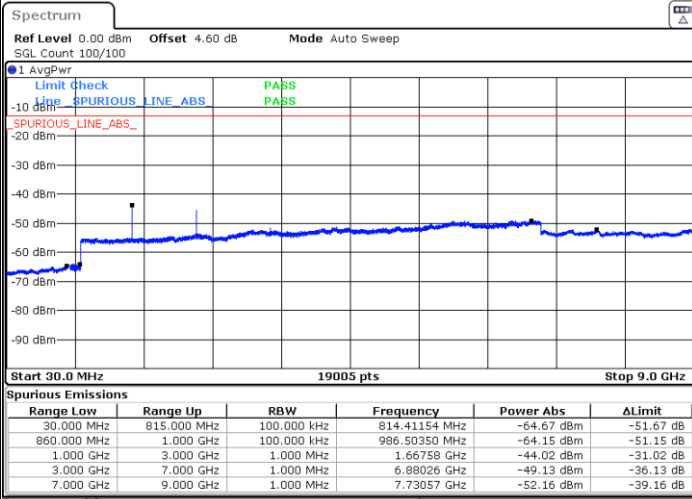


LTE Band 5B / 10MHz+5MHz

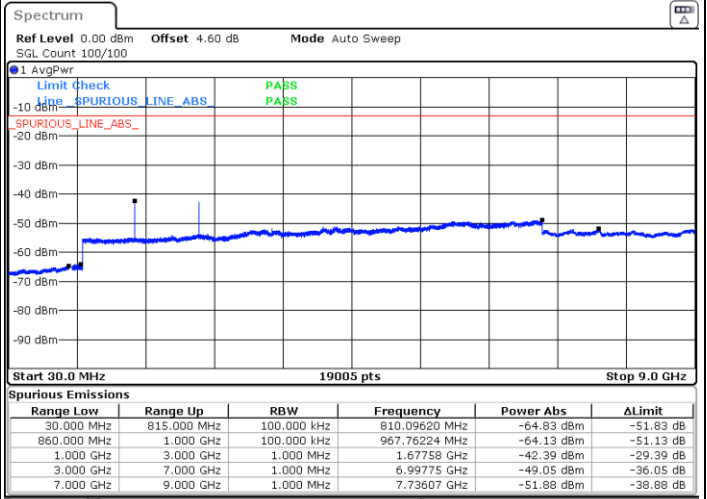
QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0

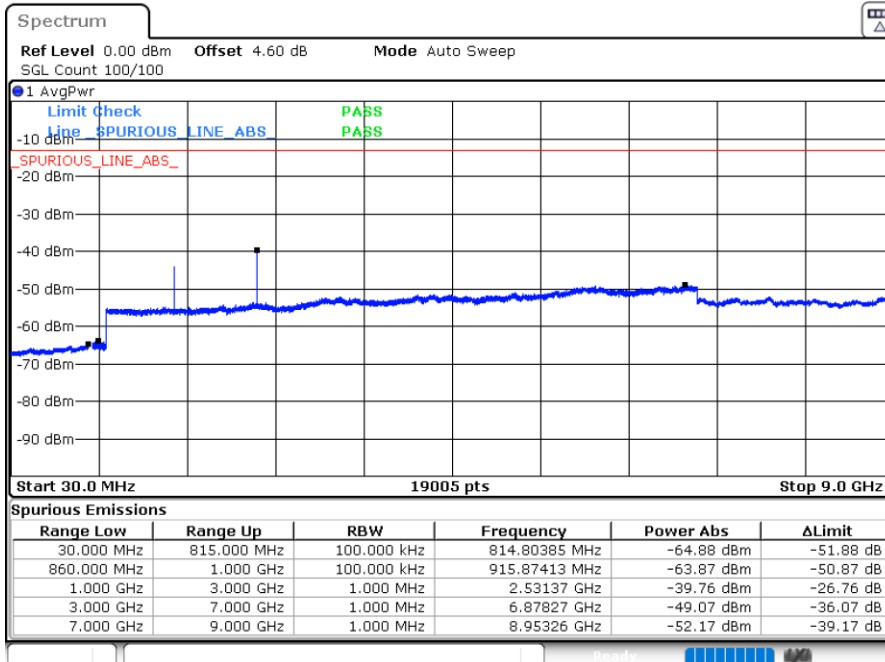


Date: 4.DEC.2022 20:40:07



Date: 4.DEC.2022 20:41:04

Highest Channel / 1RB49 and 1RB0



Date: 4.DEC.2022 20:42:02

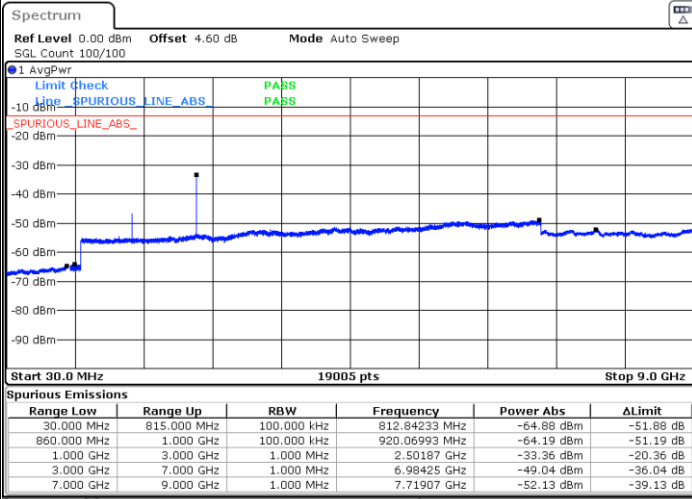


LTE Band 5B / 10MHz+10MHz

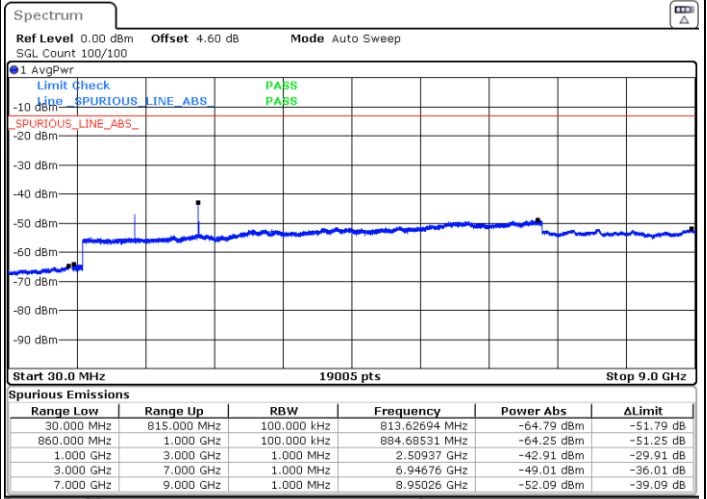
QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0

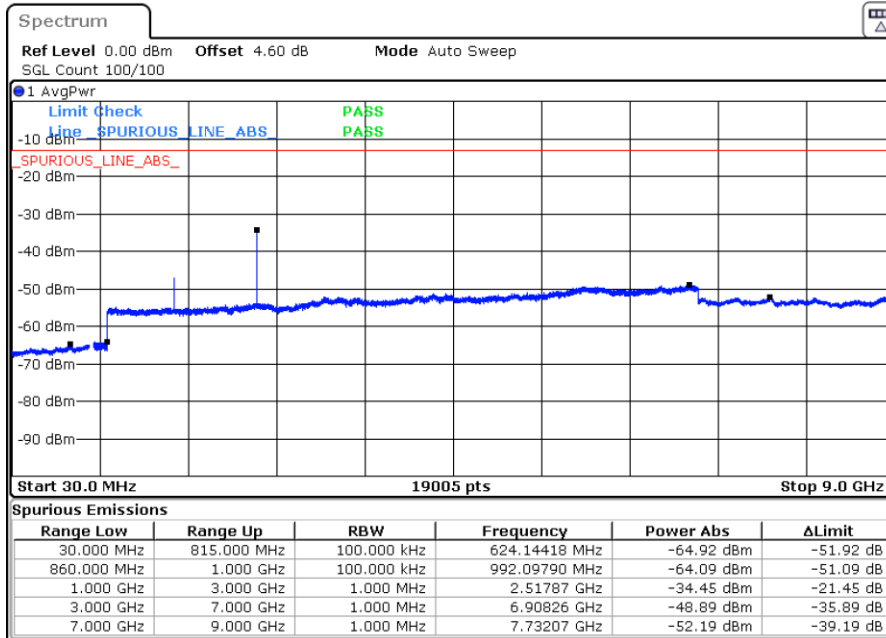


Date: 4.DEC.2022 20:34:19



Date: 4.DEC.2022 20:29:51

Highest Channel / 1RB49 and 1RB0



Date: 4.DEC.2022 20:35:17



Frequency Stability

Test Conditions		LTE Band 5B (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz+10MHZ	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0008	

Note:

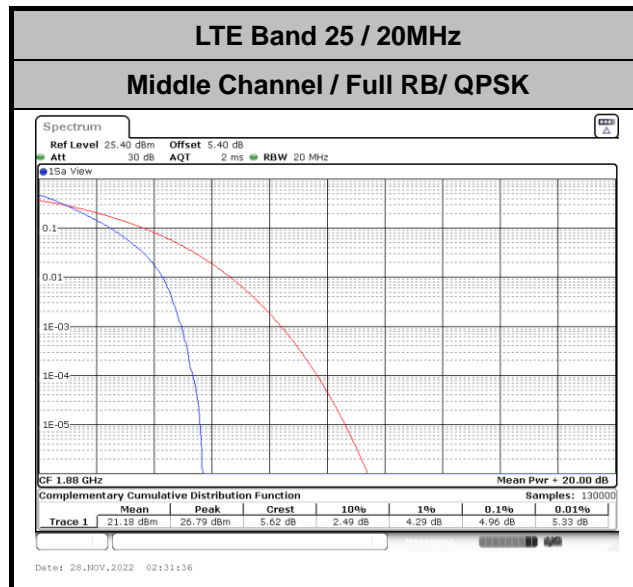
1. Normal Voltage =3.87V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.51 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

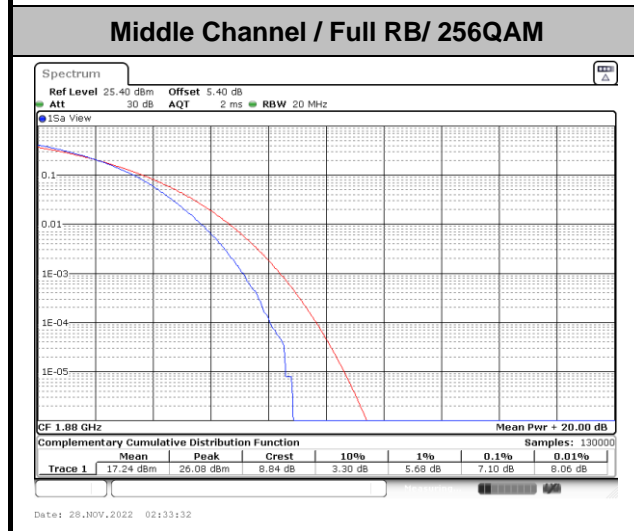
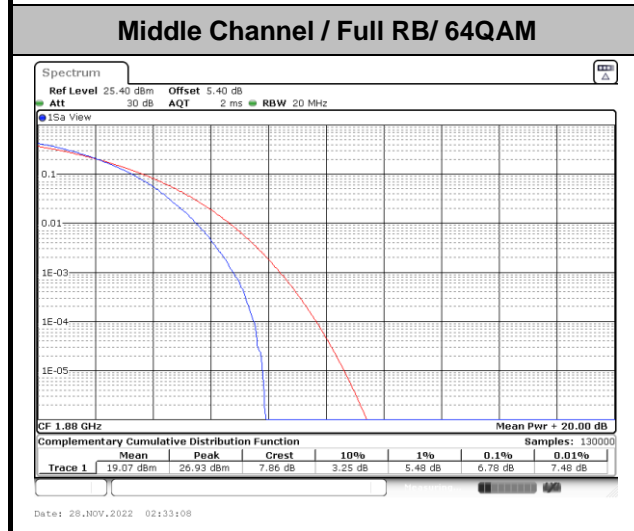
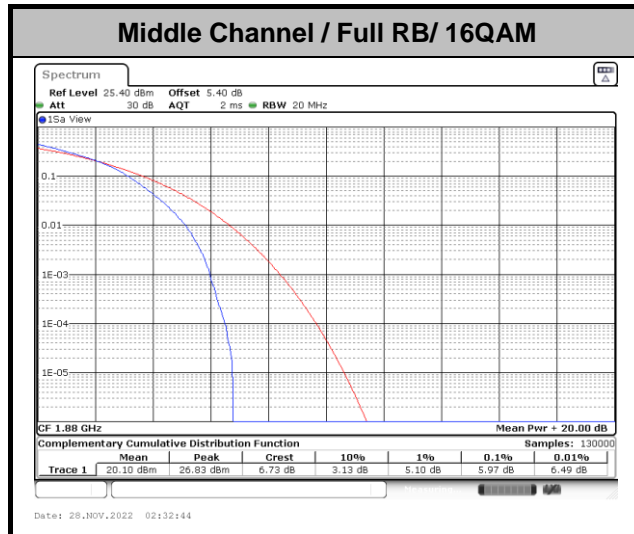


LTE Band 25

Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.96	5.97	6.78	PASS
Mode	LTE Band 25 / 20MHz			
Mod.	256QAM			Limit: 13dB
RB Size	Full RB			Result
Middle CH	7.10			PASS







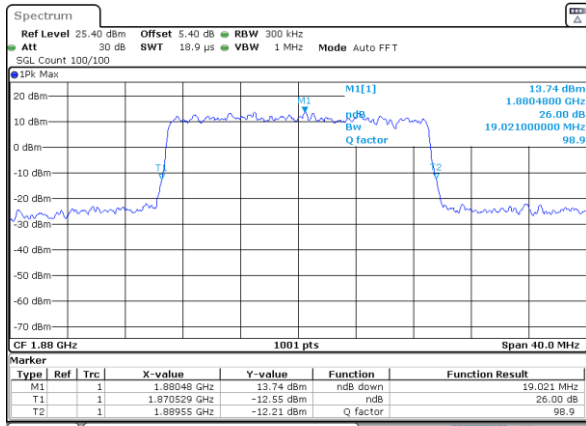
26dB Bandwidth

Mode	LTE Band 25 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.02	18.82
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.39	14.45
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.97	9.69
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.94	4.86
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.03	3.11
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.23	1.22



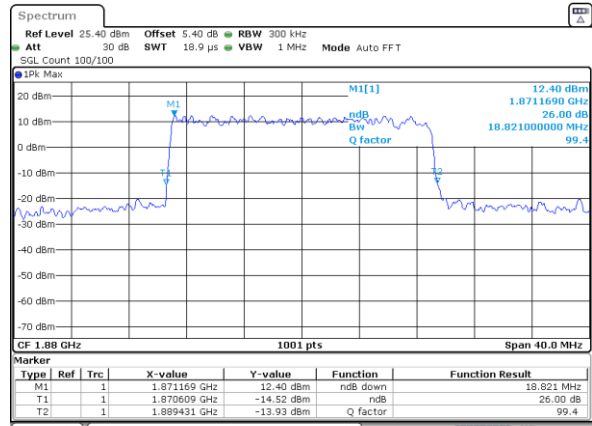
LTE Band 25

Middle Channel / 20MHz / QPSK



Date: 28.NOV.2022 02:31:12

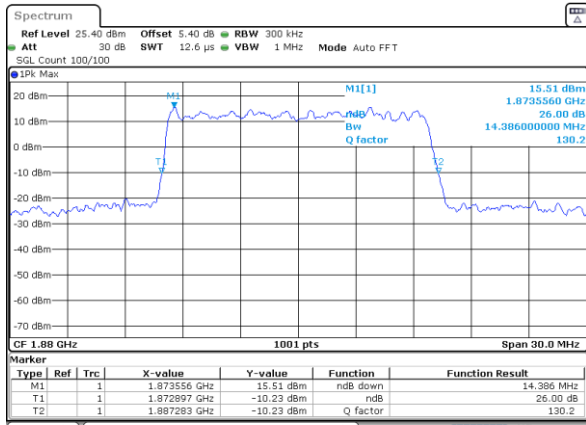
Middle Channel / 20MHz / 16QAM



Date: 28.NOV.2022 02:32:21

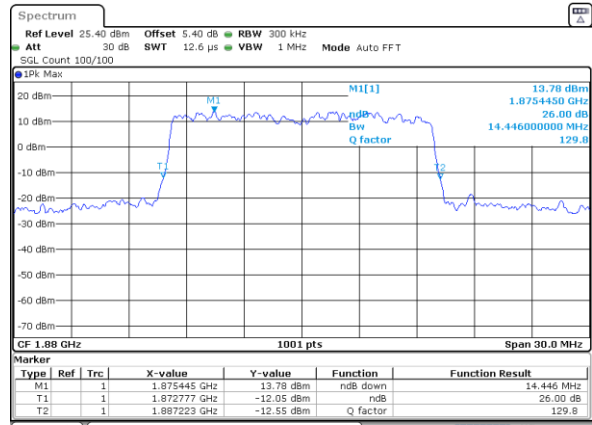
LTE Band 25

Middle Channel / 15MHz / QPSK



Date: 1.DEC.2022 10:02:41

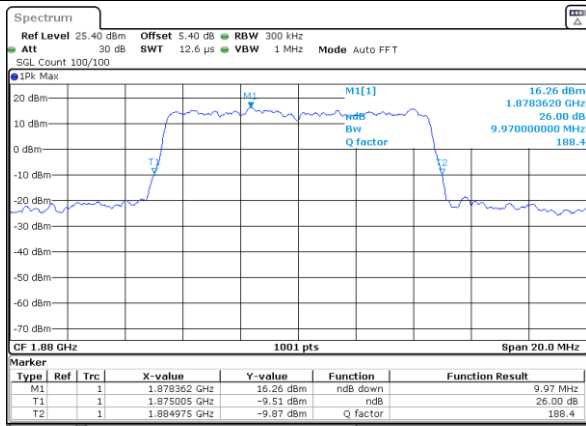
Middle Channel / 15MHz / 16QAM



Date: 1.DEC.2022 10:03:24

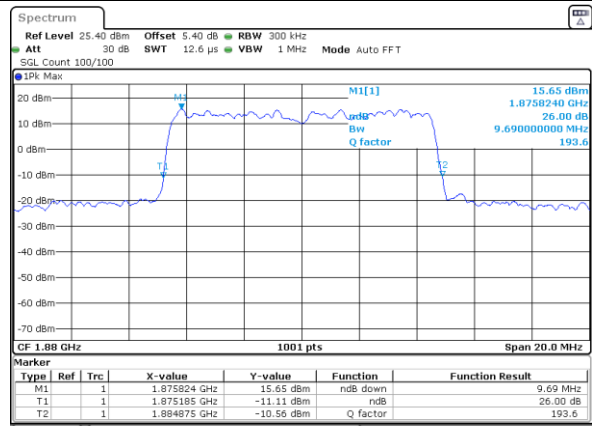
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 1.DEC.2022 10:01:54

Middle Channel / 10MHz / 16QAM

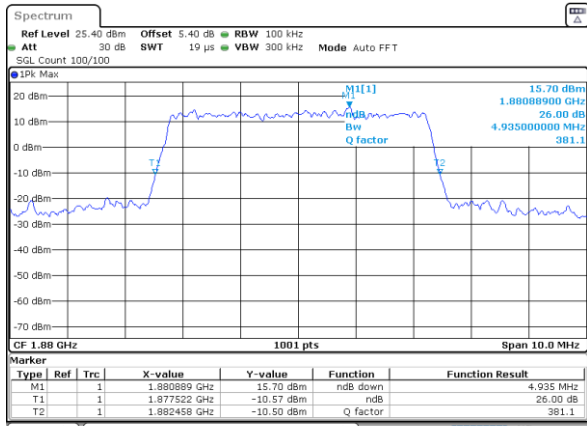


Date: 1.DEC.2022 10:01:11



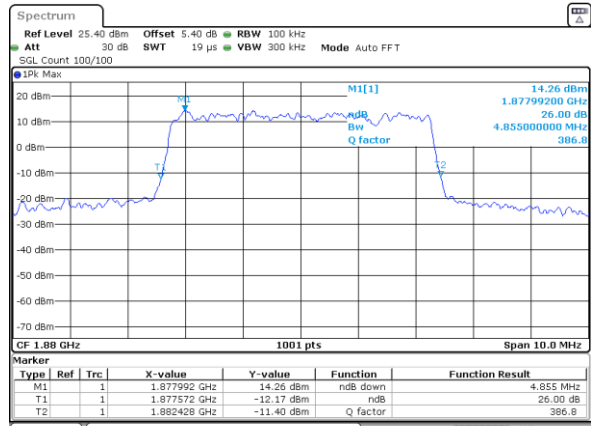
LTE Band 25

Middle Channel / 5MHz / QPSK



Date: 1.DEC.2022 09:59:13

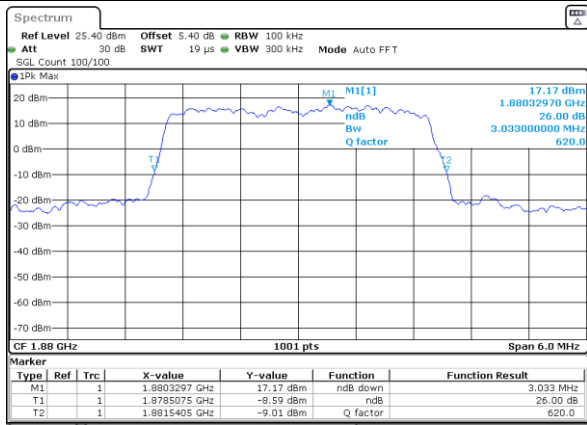
Middle Channel / 5MHz / 16QAM



Date: 1.DEC.2022 10:00:24

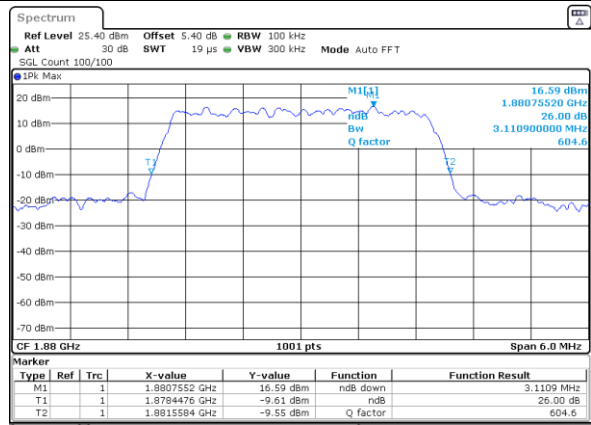
LTE Band 25

Middle Channel / 3MHz / QPSK



Date: 1.DEC.2022 09:58:18

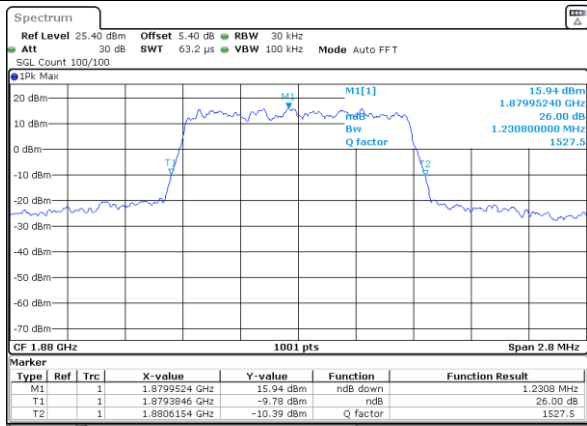
Middle Channel / 3MHz / 16QAM



Date: 1.DEC.2022 09:57:13

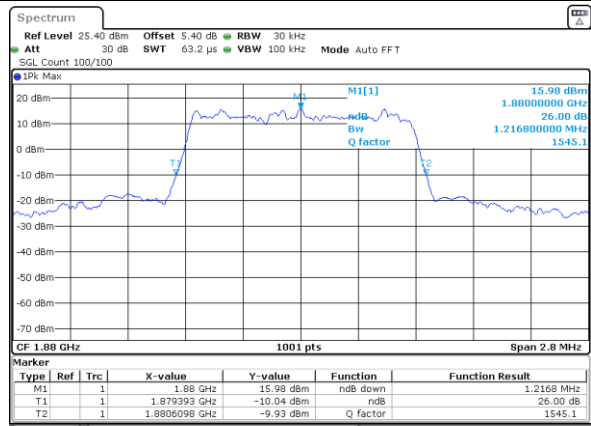
LTE Band 25

Middle Channel / 1.4MHz / QPSK



Date: 1.DEC.2022 09:55:33

Middle Channel / 1.4MHz / 16QAM



Date: 1.DEC.2022 09:56:16



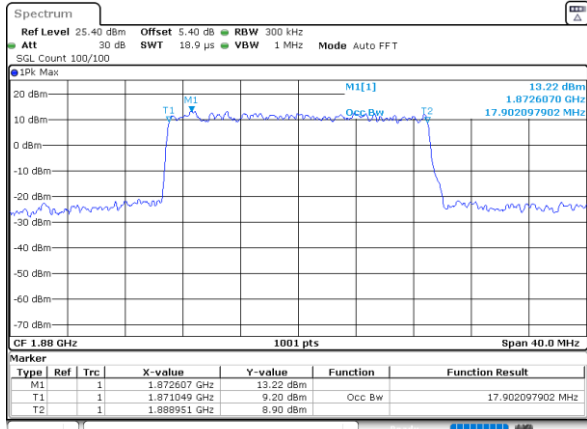
Occupied Bandwidth

Mode	LTE Band 25 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.86
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.49	13.43
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	9.03
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.51
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.70	2.73
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09



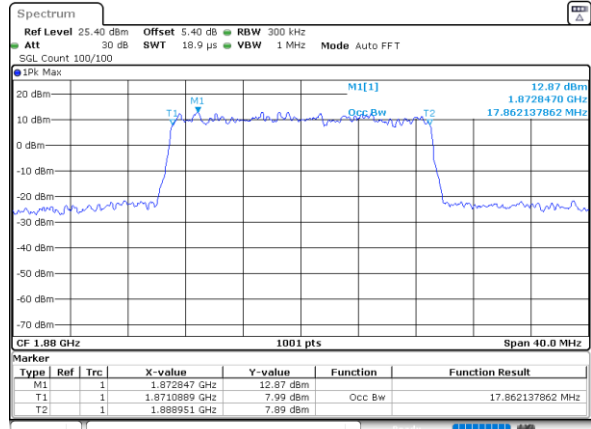
LTE Band 66

Middle Channel / 20MHz / QPSK



Date: 28.NOV.2022 02:30:50

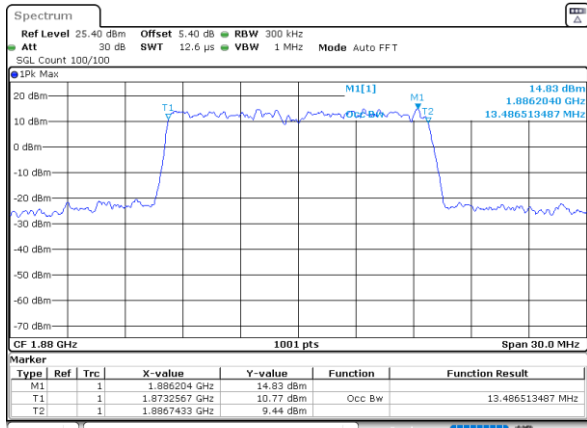
Middle Channel / 20MHz / 16QAM



Date: 28.NOV.2022 02:31:58

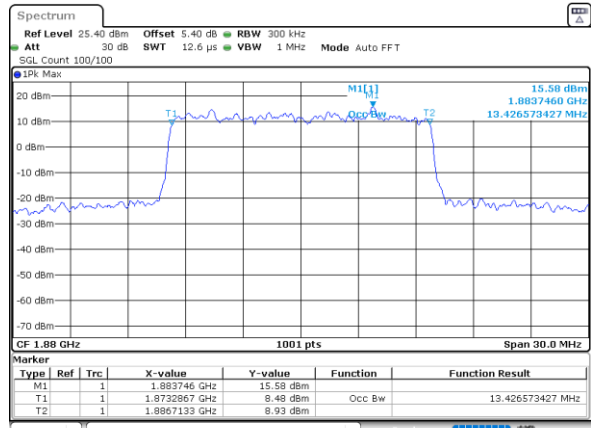
LTE Band 25

Middle Channel / 15MHz / QPSK



Date: 1.DEC.2022 10:02:20

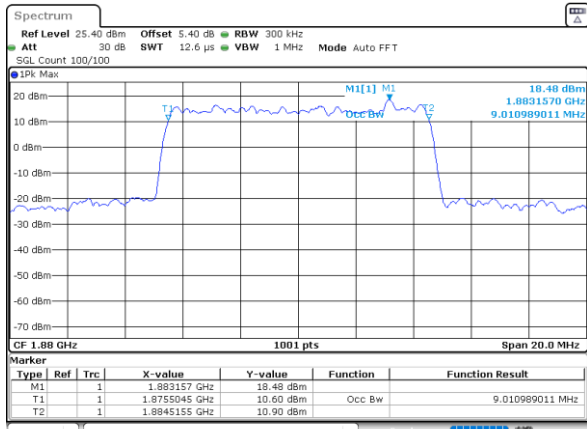
Middle Channel / 15MHz / 16QAM



Date: 1.DEC.2022 10:03:02

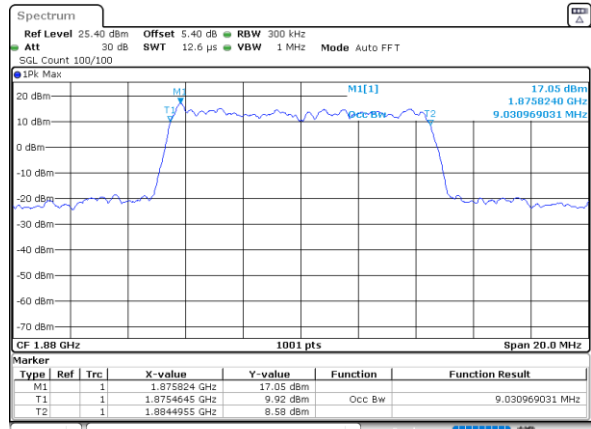
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 1.DEC.2022 10:01:33

Middle Channel / 10MHz / 16QAM

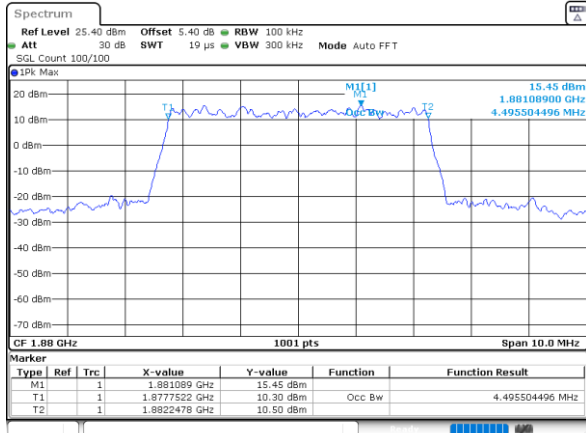


Date: 1.DEC.2022 10:00:50



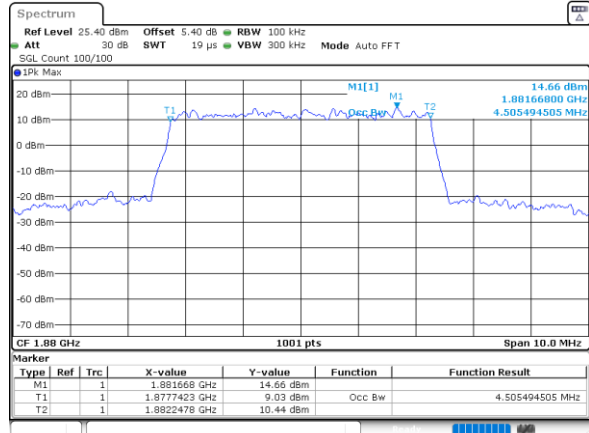
LTE Band 25

Middle Channel / 5MHz / QPSK



Date: 1.DEC.2022 09:58:53

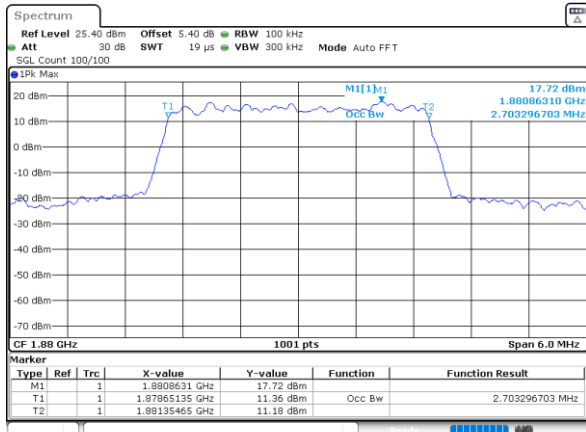
Middle Channel / 5MHz / 16QAM



Date: 1.DEC.2022 10:00:04

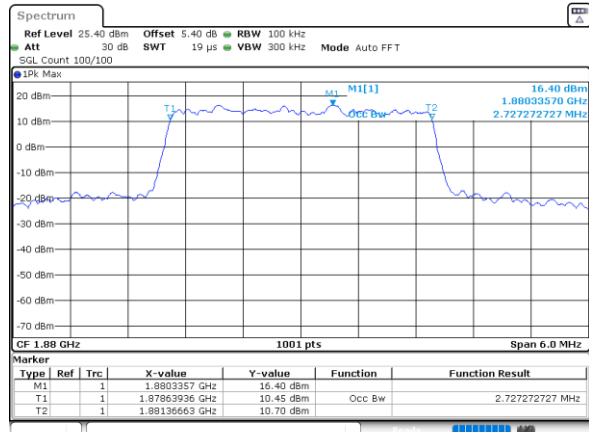
LTE Band 25

Middle Channel / 3MHz / QPSK



Date: 1.DEC.2022 09:57:50

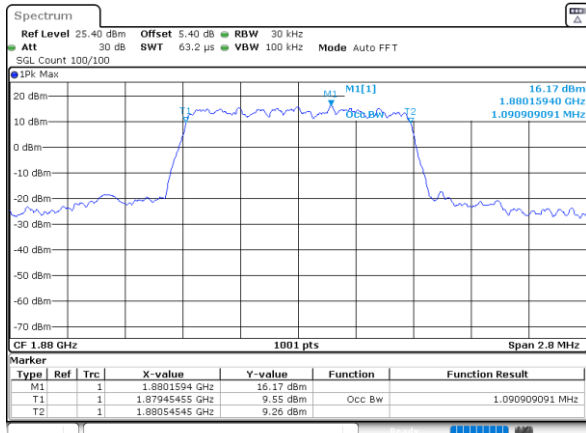
Middle Channel / 3MHz / 16QAM



Date: 1.DEC.2022 09:56:54

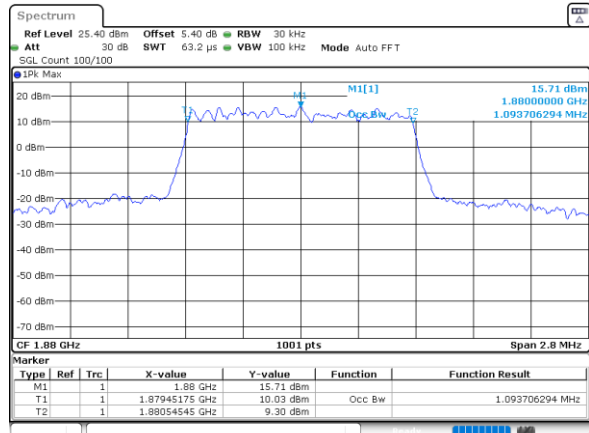
LTE Band 25

Middle Channel / 1.4MHz / QPSK



Date: 1.DEC.2022 09:54:31

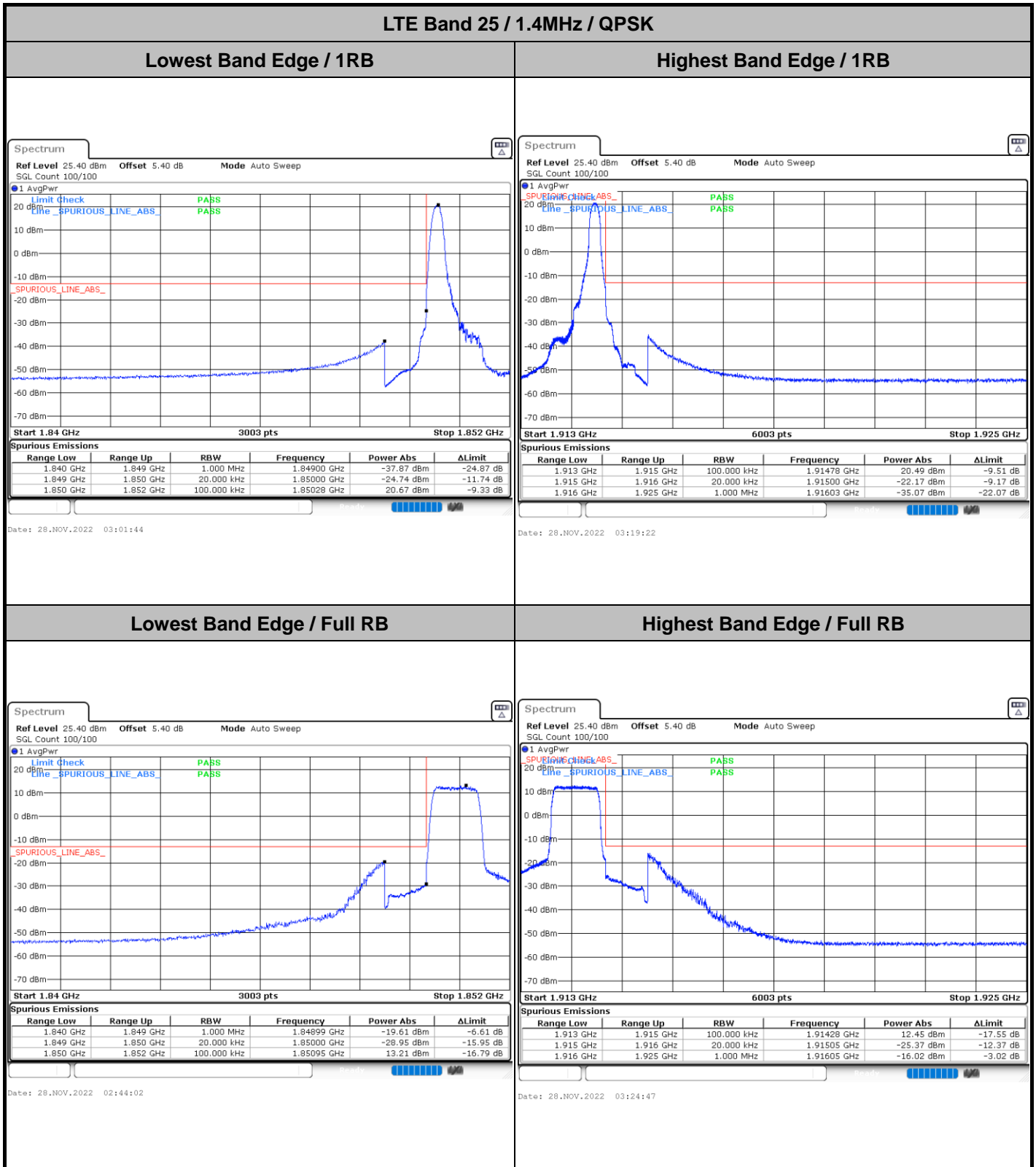
Middle Channel / 1.4MHz / 16QAM



Date: 1.DEC.2022 09:55:55



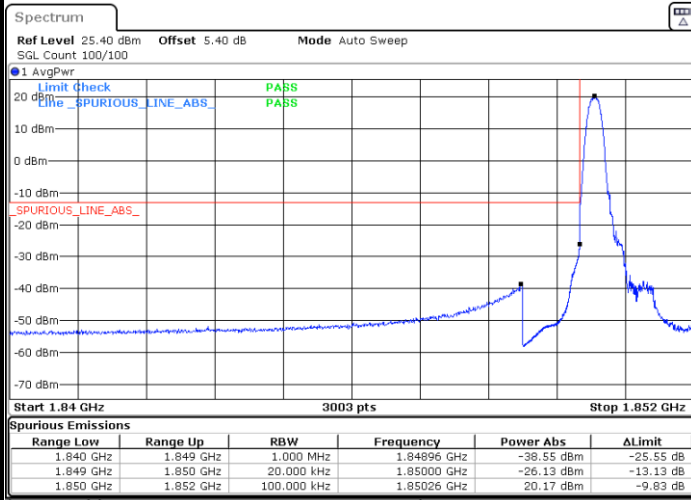
Conducted Band Edge





LTE Band 25 / 1.4MHz / 16QAM

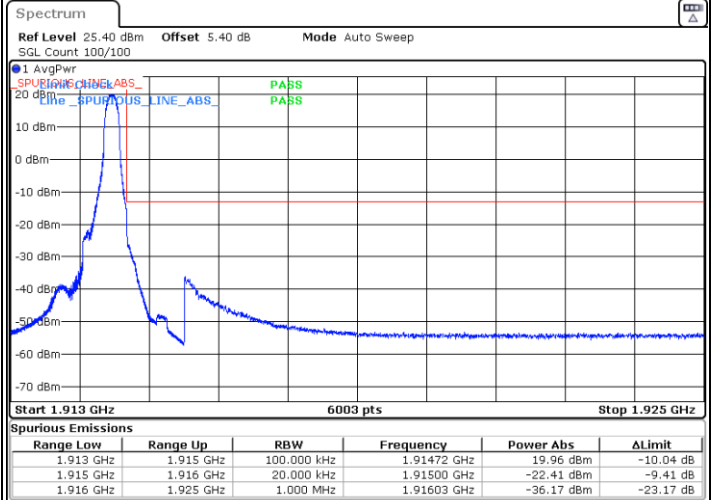
Lowest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84896 GHz	-38.55 dBm	-25.55 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-26.13 dBm	-13.13 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85026 GHz	20.17 dBm	-9.83 dB

Date: 28.NOV.2022 03:00:18

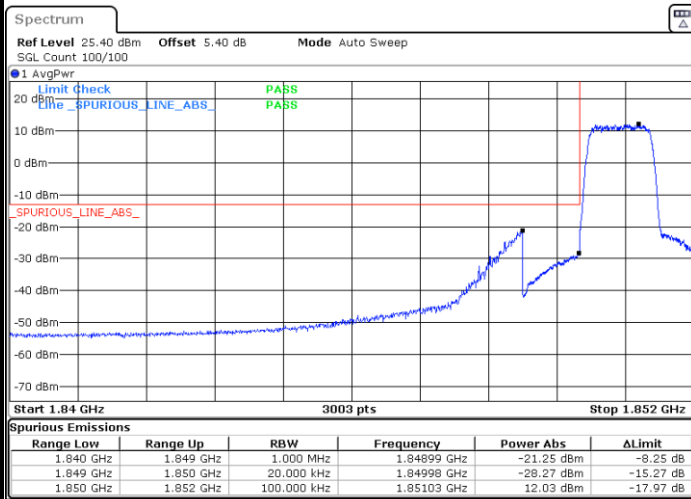
Highest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.913 GHz	1.915 GHz	100.000 kHz	1.91472 GHz	19.96 dBm	-10.04 dB
1.915 GHz	1.916 GHz	20.000 kHz	1.91500 GHz	-22.41 dBm	-9.41 dB
1.916 GHz	1.925 GHz	1.000 MHz	1.91603 GHz	-36.17 dBm	-23.17 dB

Date: 28.NOV.2022 03:20:43

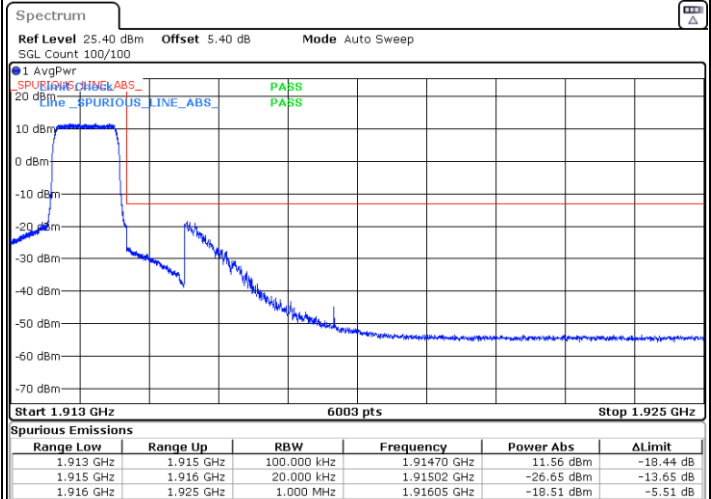
Lowest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84899 GHz	-21.25 dBm	-8.25 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.84998 GHz	-28.27 dBm	-15.27 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85103 GHz	12.03 dBm	-17.97 dB

Date: 28.NOV.2022 02:47:00

Highest Band Edge / Full RB



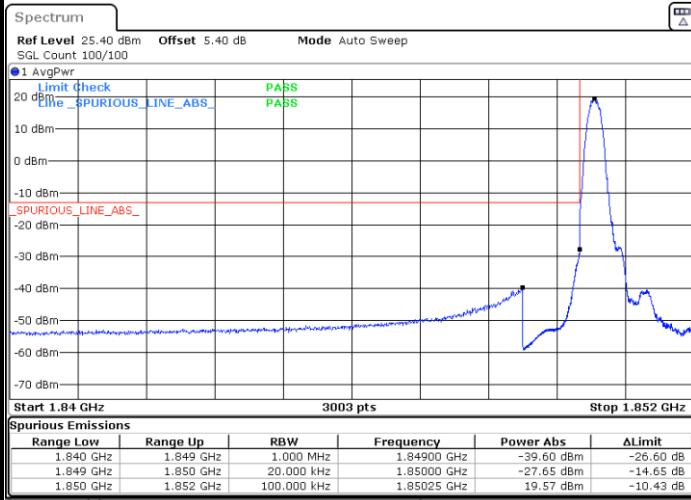
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.913 GHz	1.915 GHz	100.000 kHz	1.91470 GHz	11.56 dBm	-18.44 dB
1.915 GHz	1.916 GHz	20.000 kHz	1.91502 GHz	-26.65 dBm	-13.65 dB
1.916 GHz	1.925 GHz	1.000 MHz	1.91605 GHz	-18.51 dBm	-5.51 dB

Date: 28.NOV.2022 03:26:07



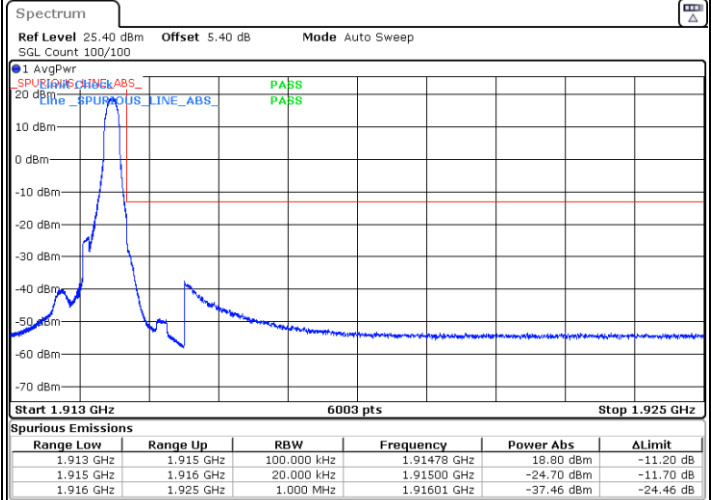
LTE Band 25 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



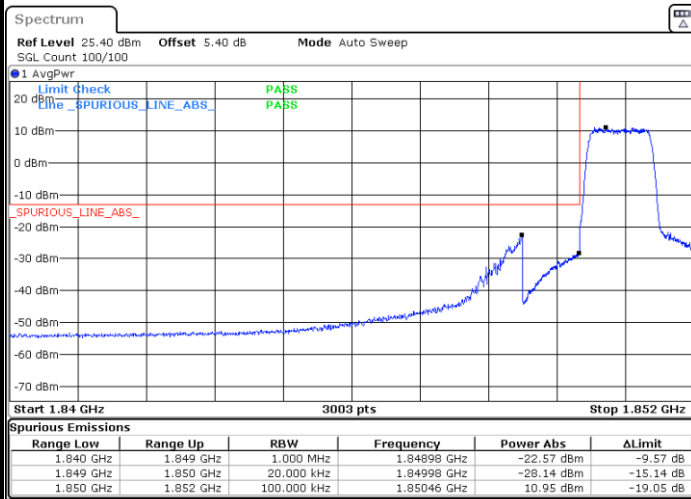
Date: 28.NOV.2022 02:58:17

Highest Band Edge / 1 RB



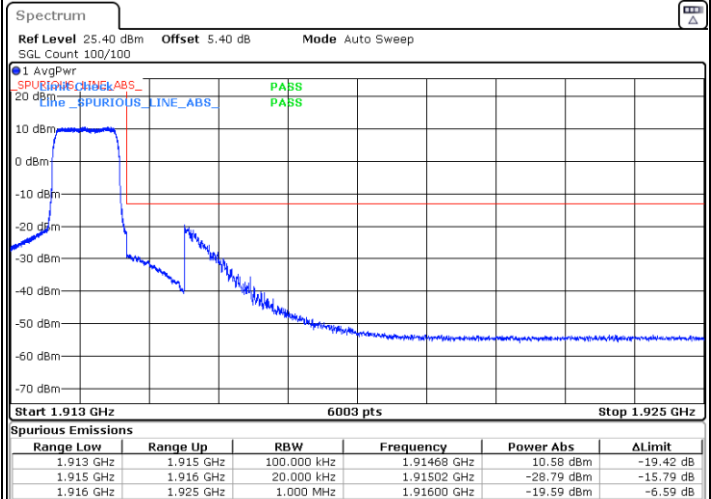
Date: 28.NOV.2022 03:22:03

Lowest Band Edge / Full RB



Date: 28.NOV.2022 02:49:05

Highest Band Edge / Full RB

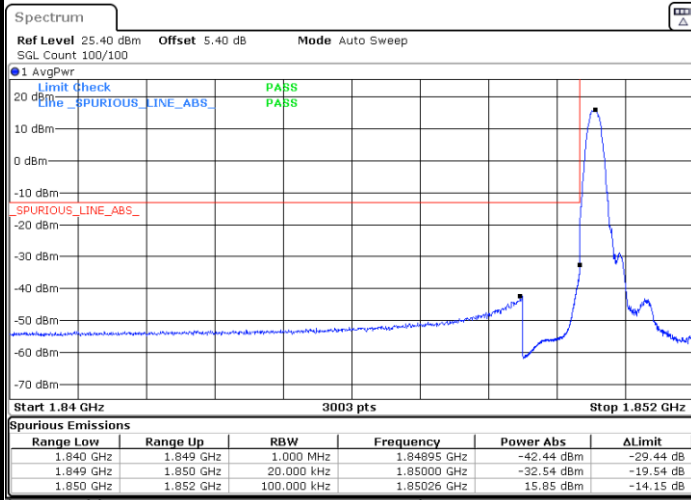


Date: 28.NOV.2022 03:27:27



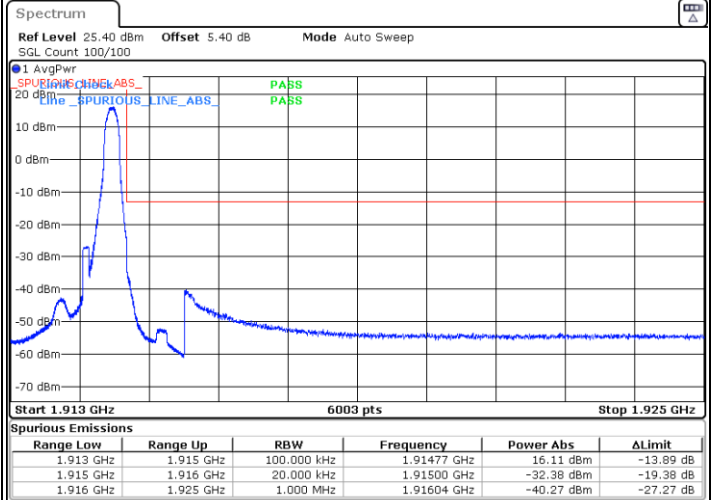
LTE Band 25 / 1.4MHz /256QAM

Lowest Band Edge / 1 RB



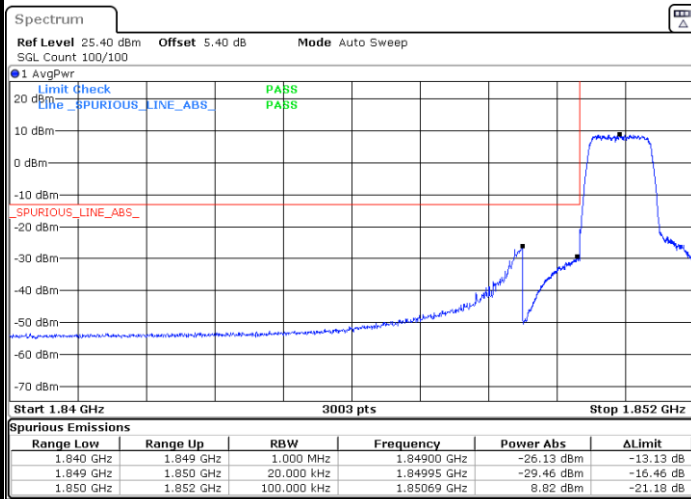
Date: 28.NOV.2022 02:53:48

Highest Band Edge / 1 RB



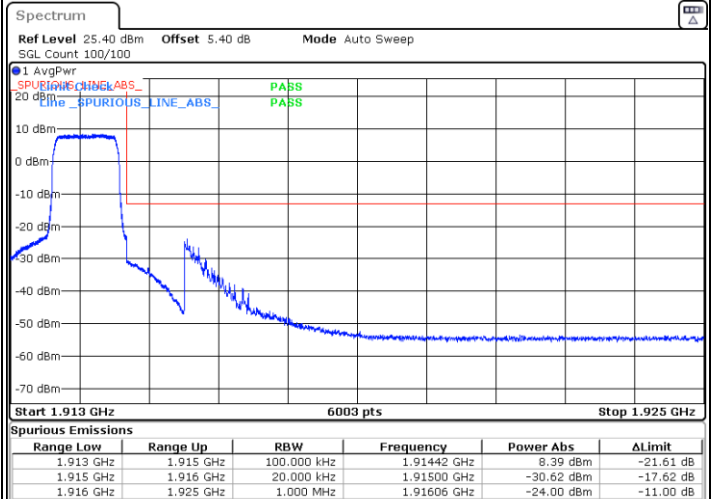
Date: 28.NOV.2022 03:23:24

Lowest Band Edge / Full RB



Date: 28.NOV.2022 02:50:31

Highest Band Edge / Full RB

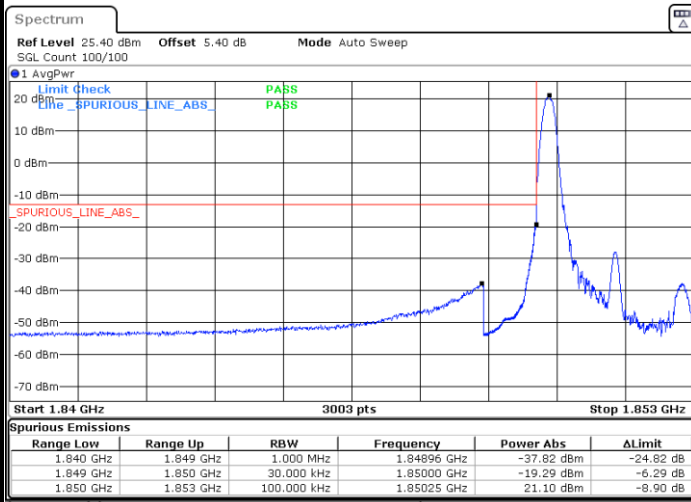


Date: 28.NOV.2022 03:28:48



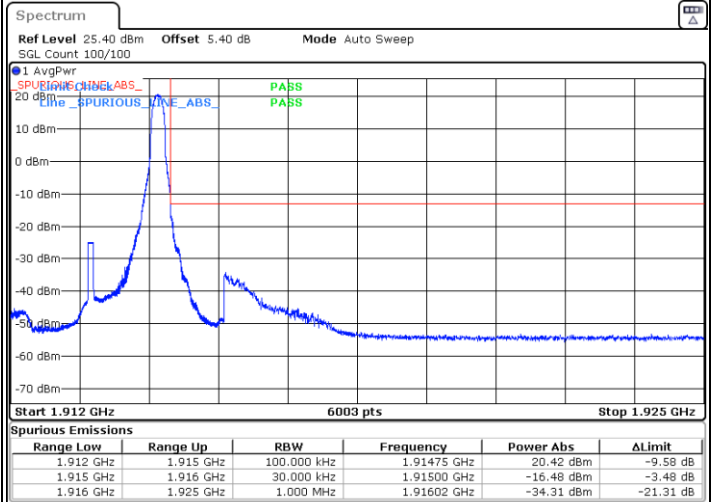
LTE Band 25 / 3MHz / QPSK

Lowest Band Edge / 1RB



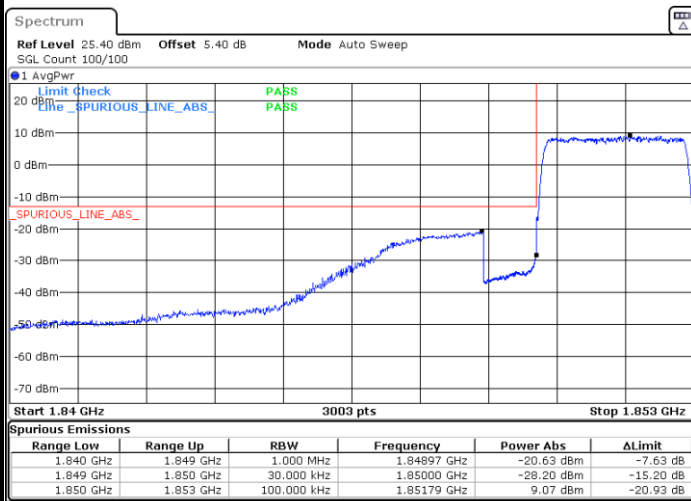
Date: 27.NOV.2022 23:40:57

Highest Band Edge / 1 RB



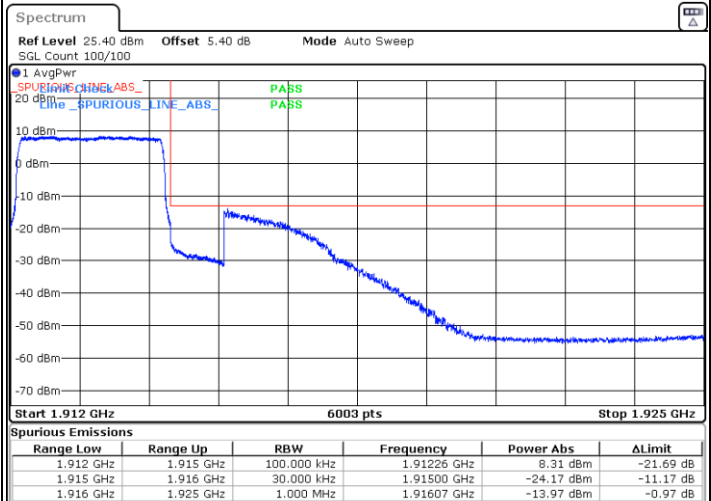
Date: 27.NOV.2022 23:55:45

Lowest Band Edge / Full RB



Date: 27.NOV.2022 23:46:21

Highest Band Edge / Full RB

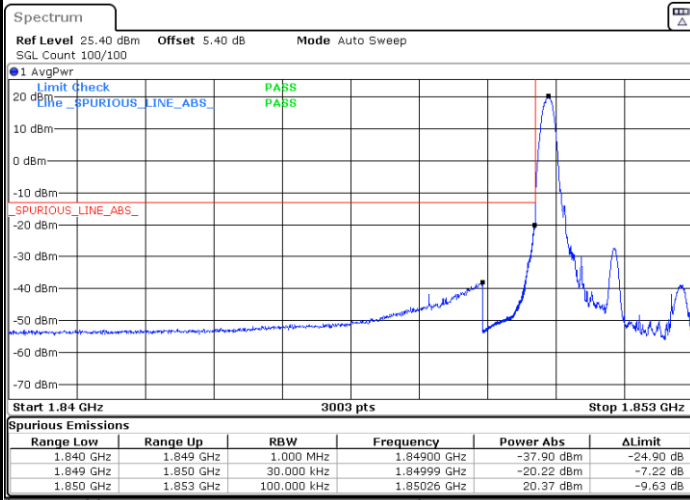


Date: 28.NOV.2022 00:01:09



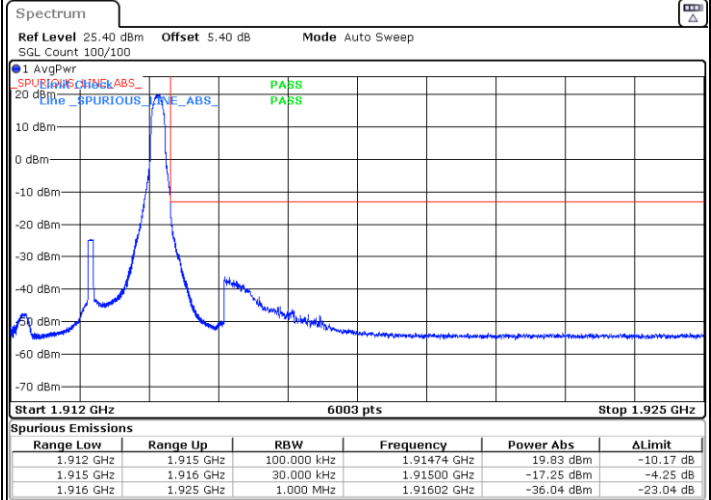
LTE Band 25 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



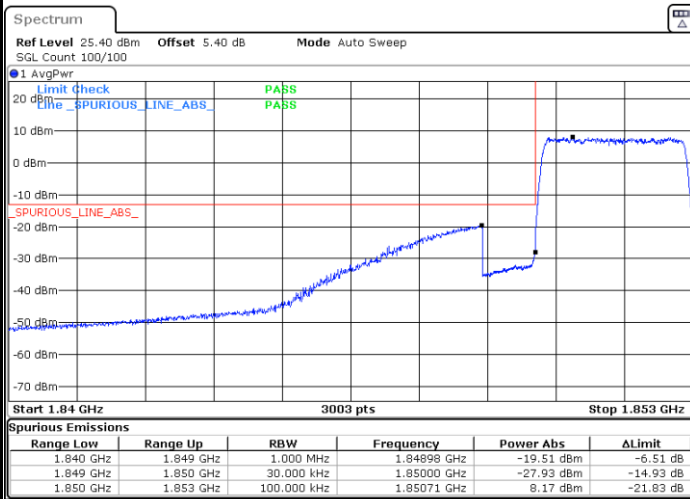
Date: 27.NOV.2022 23:42:18

Highest Band Edge / 1 RB



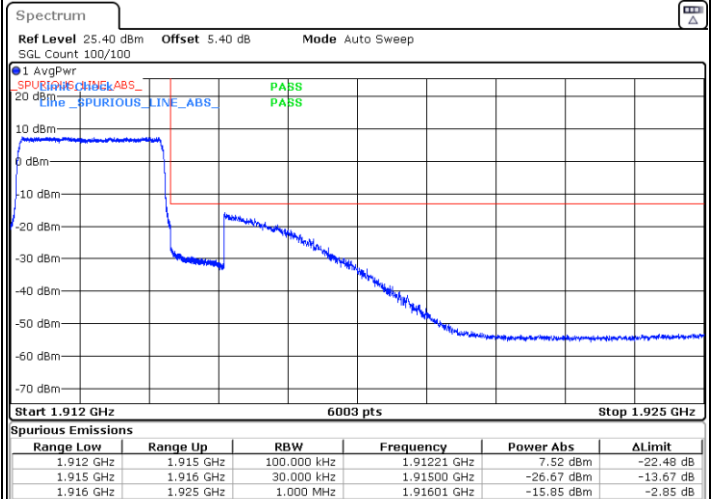
Date: 27.NOV.2022 23:57:05

Lowest Band Edge / Full RB



Date: 27.NOV.2022 23:47:41

Highest Band Edge / Full RB



Date: 28.NOV.2022 00:02:28