

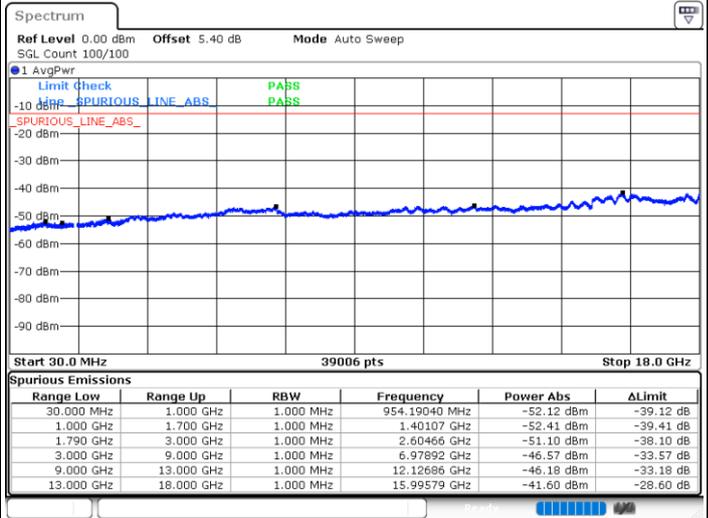
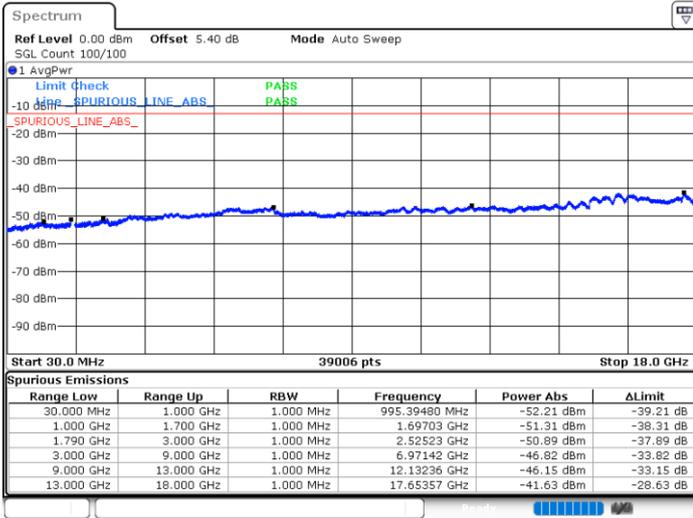


Conducted Spurious Emission

LTE Band 66 / 1.4MHz

Lowest Channel / QPSK

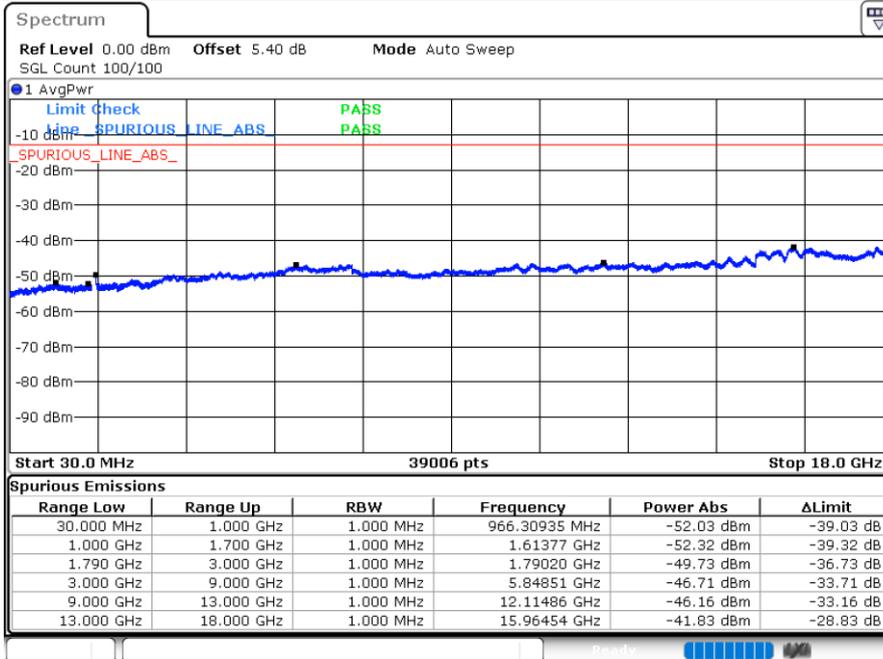
Middle Channel / QPSK



Date: 6.APR.2024 18:10:07

Date: 6.APR.2024 18:17:26

Highest Channel / QPSK



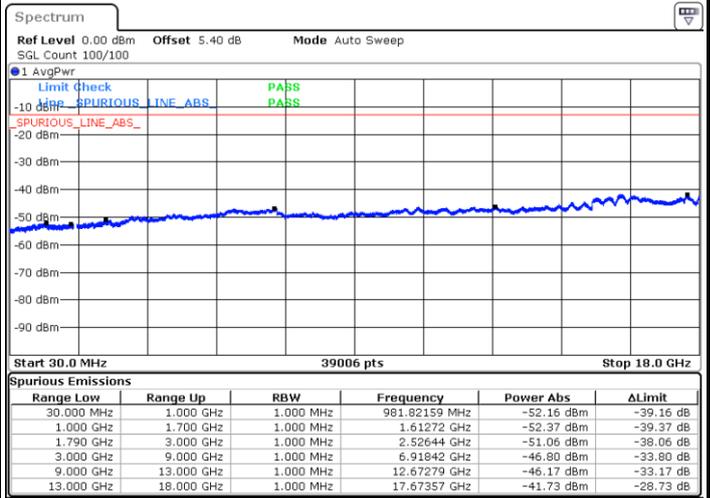
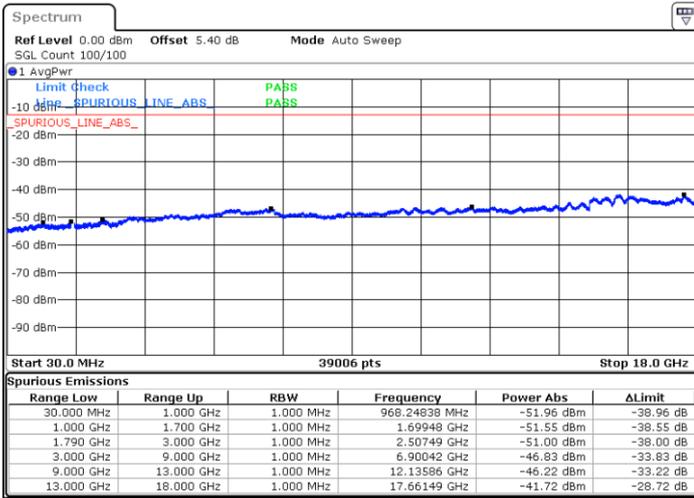
Date: 6.APR.2024 18:20:12



LTE Band 66 / 3MHz

Lowest Channel / QPSK

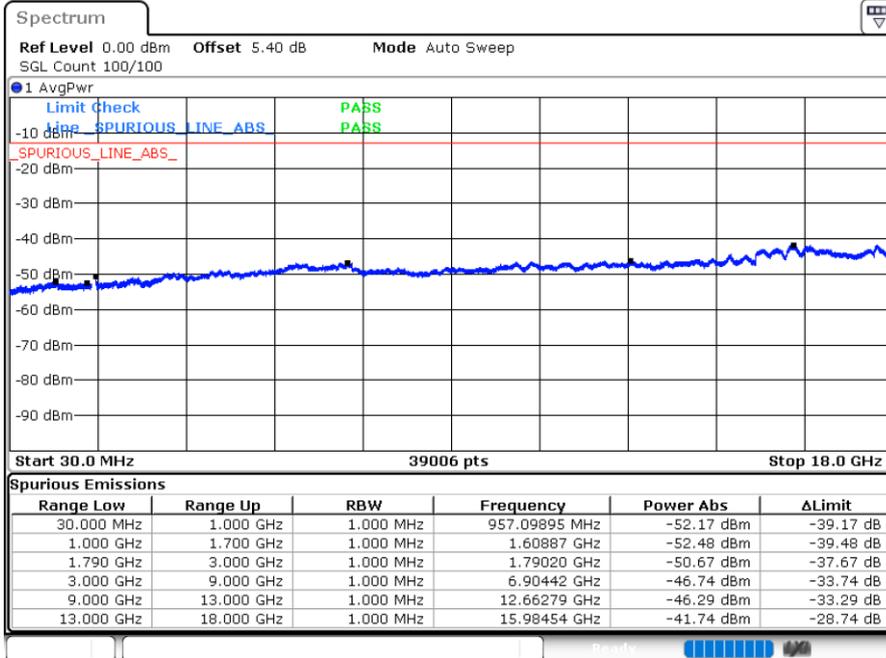
Middle Channel / QPSK



Date: 6.APR.2024 18:28:29

Date: 6.APR.2024 18:35:48

Highest Channel / QPSK



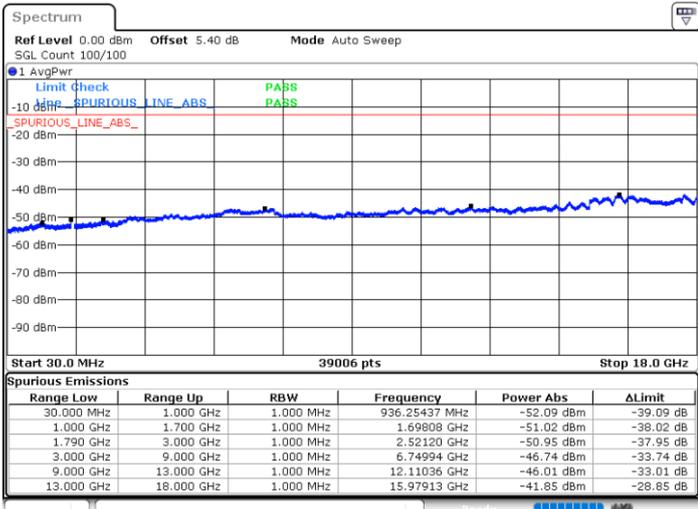
Date: 6.APR.2024 18:38:34



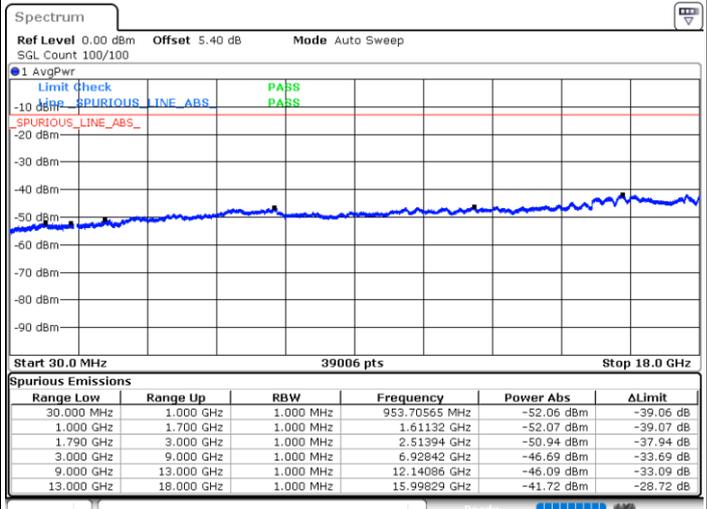
LTE Band 66 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

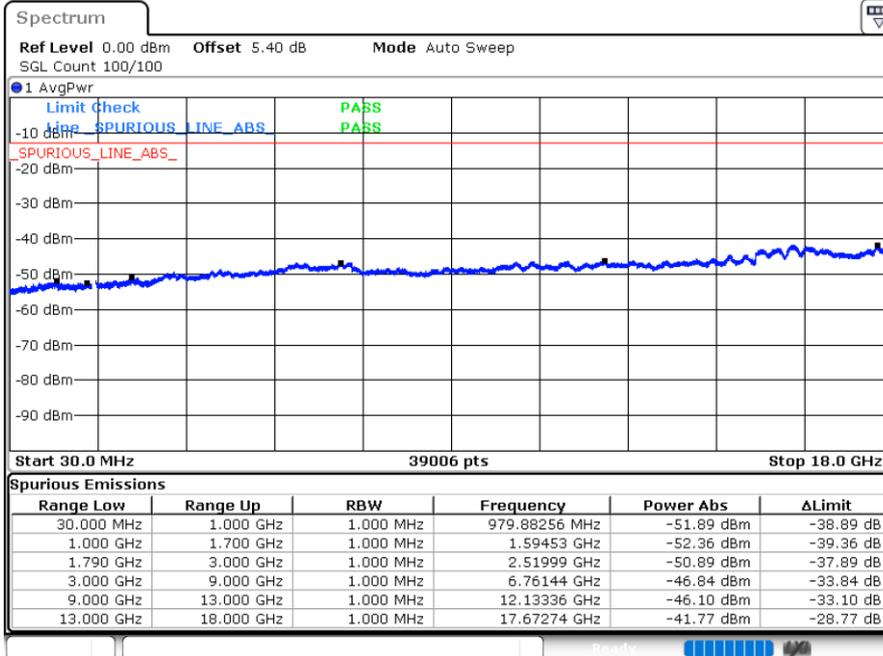


Date: 6.APR.2024 18:46:52



Date: 6.APR.2024 18:54:14

Highest Channel / QPSK



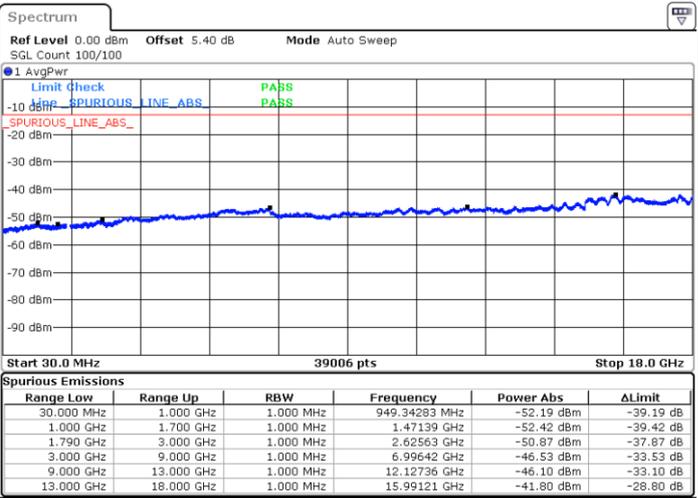
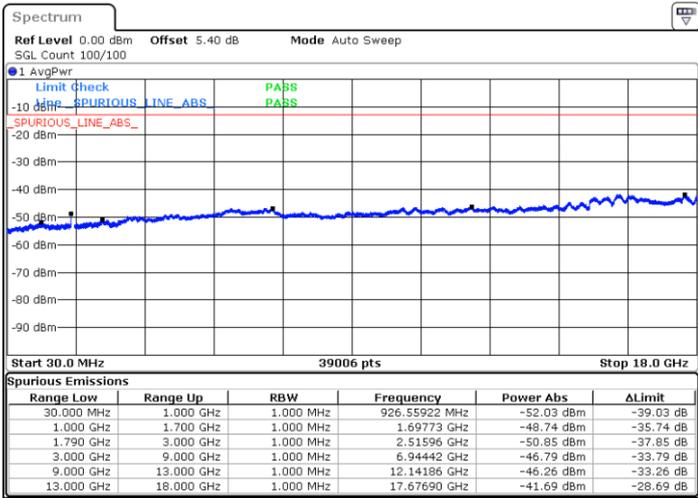
Date: 6.APR.2024 18:57:01



LTE Band 66 / 10MHz

Lowest Channel / QPSK

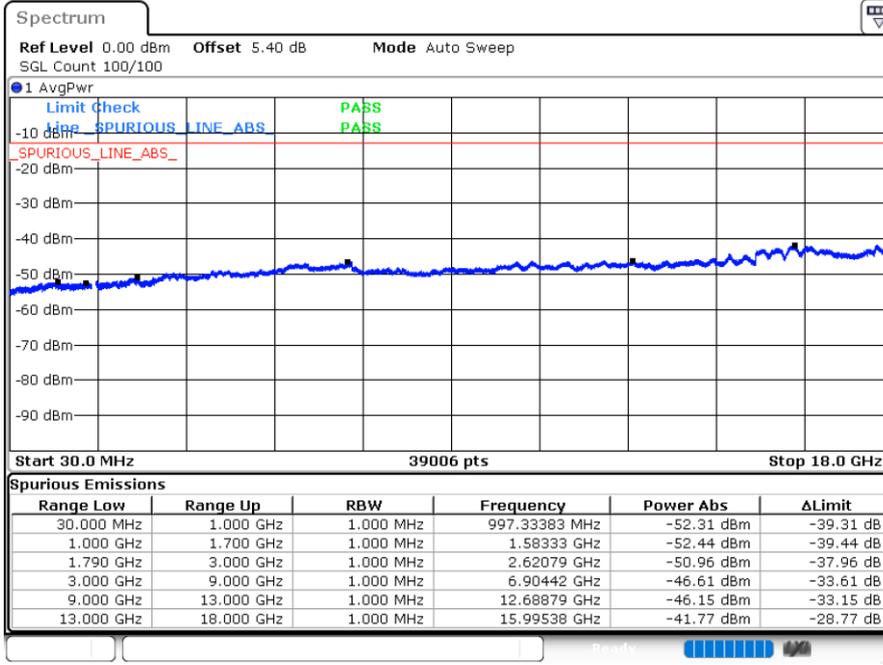
Middle Channel / QPSK



Date: 6.APR.2024 19:05:15

Date: 6.APR.2024 19:12:37

Highest Channel / QPSK



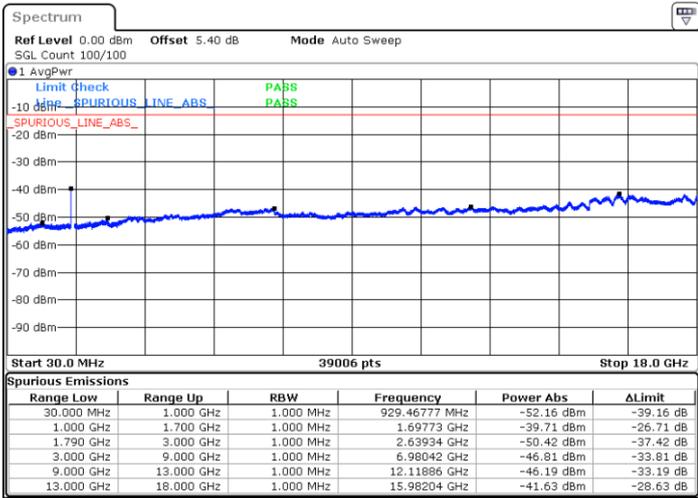
Date: 6.APR.2024 19:15:23



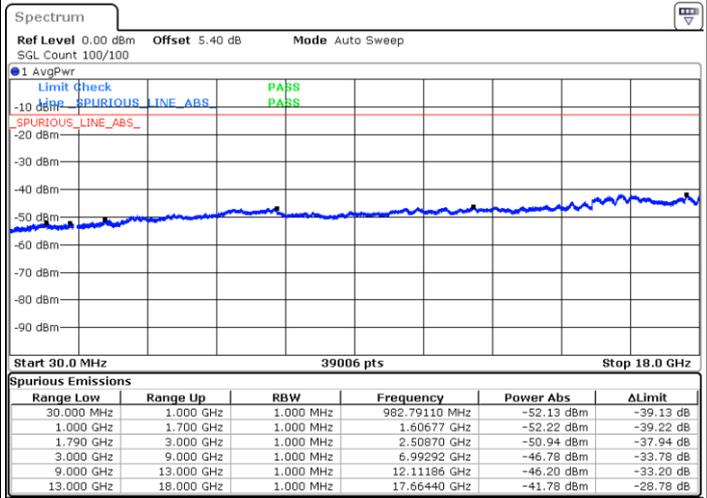
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

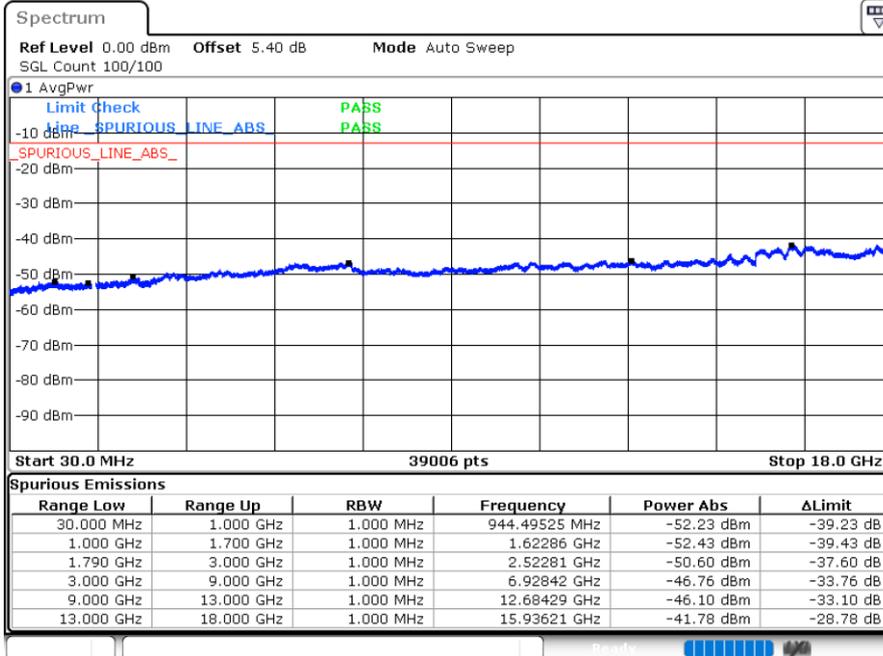


Date: 6.APR.2024 19:23:37



Date: 6.APR.2024 19:30:58

Highest Channel / QPSK



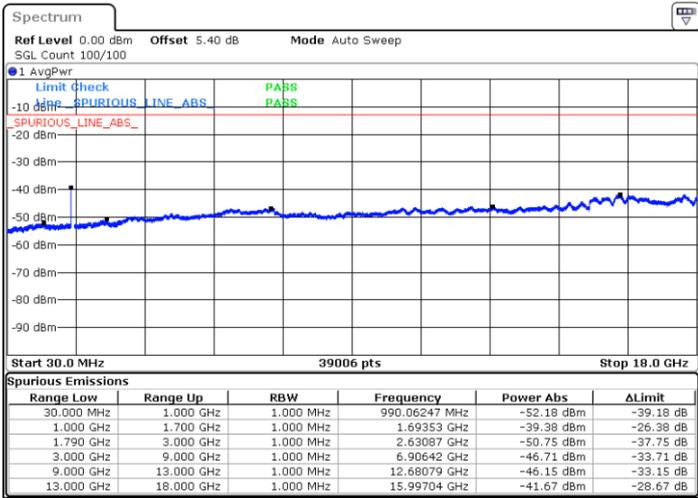
Date: 6.APR.2024 19:33:44



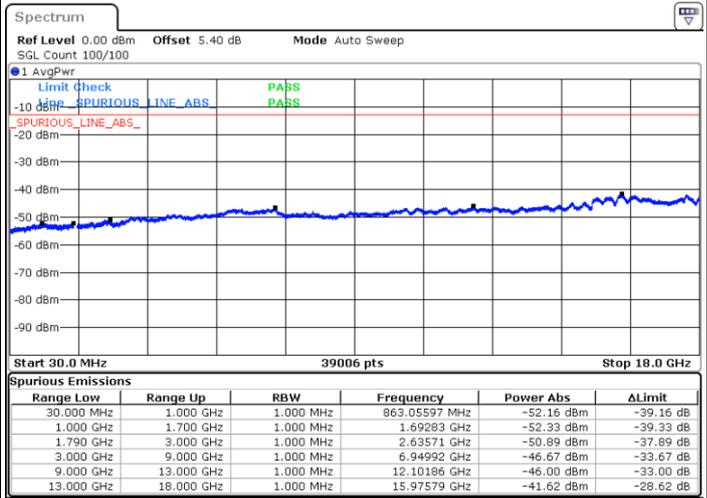
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

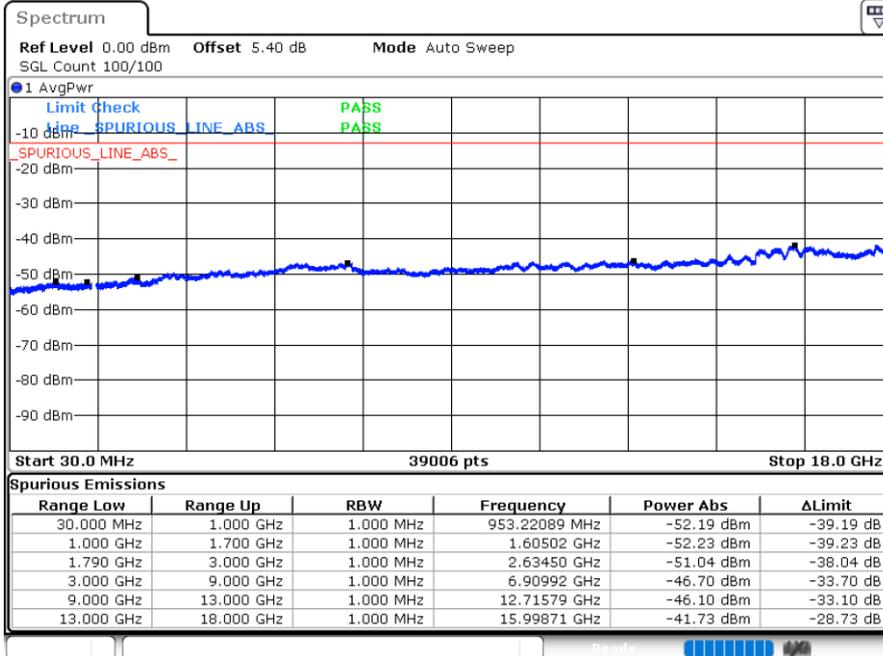


Date: 6.APR.2024 19:42:01



Date: 6.APR.2024 19:49:23

Highest Channel / QPSK



Date: 6.APR.2024 19:54:25



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0041	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0025	

Note:

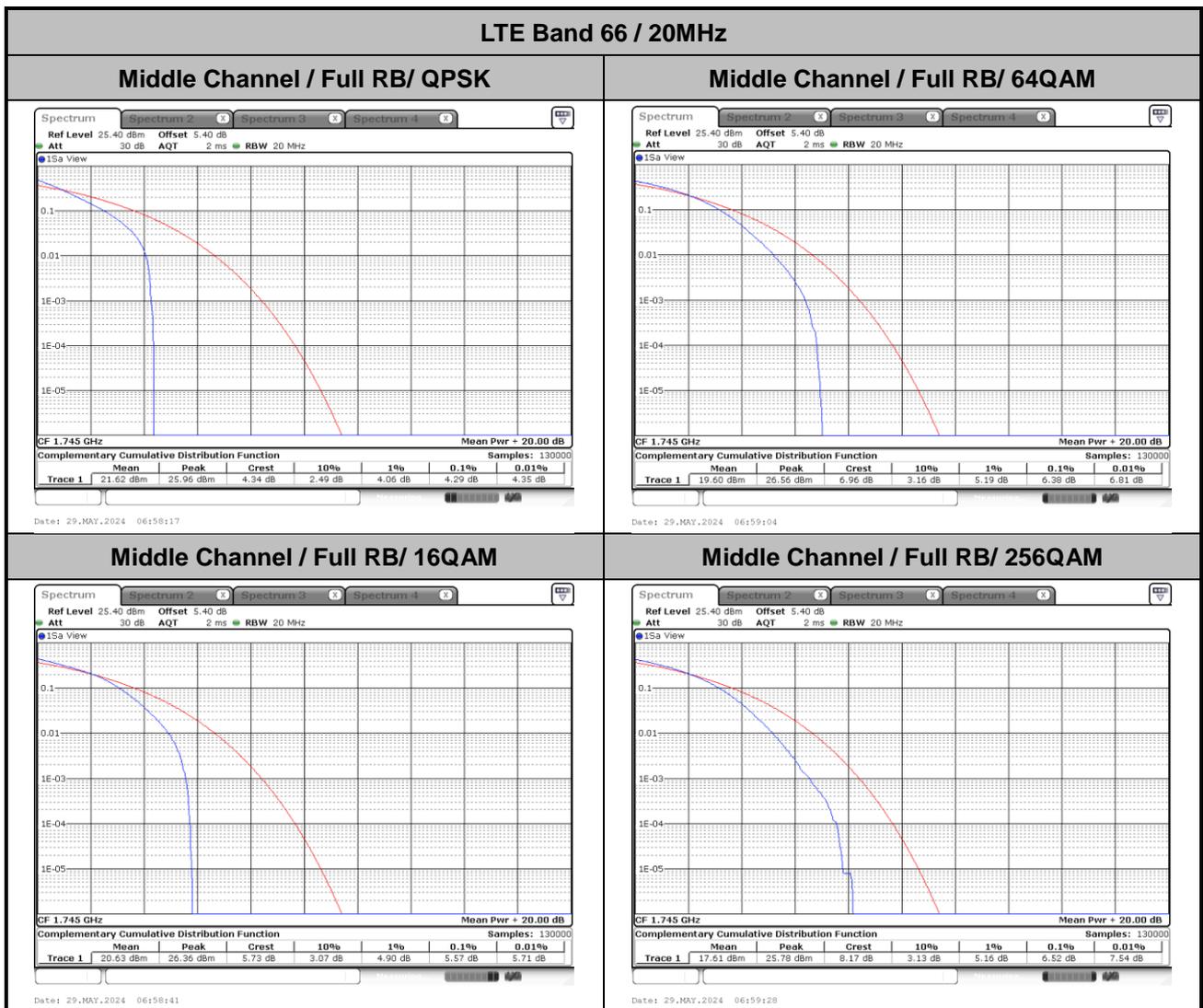
1. Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66(Other PA)

Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.29	5.57	6.38	6.52	PASS





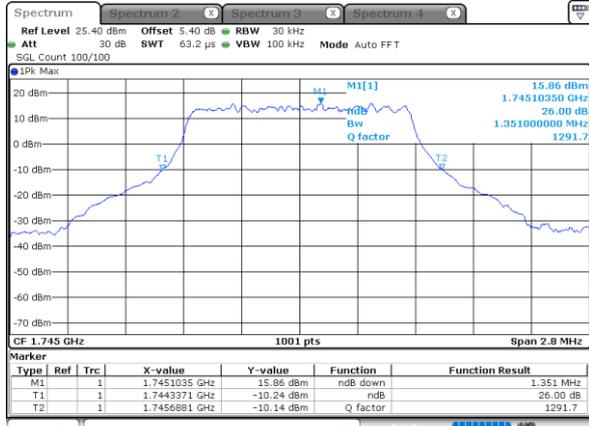
26dB Bandwidth

Mode	LTE Band 66 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.35	1.37
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.03	3.01
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.05	5.00
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.99	9.89
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.60	14.51
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.18	18.90



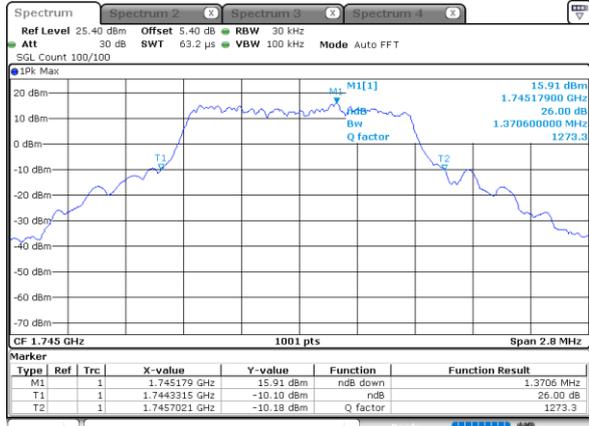
LTE Band 66

Middle Channel / 1.4MHz / QPSK



Date: 29_MAY_2024 07:07:47

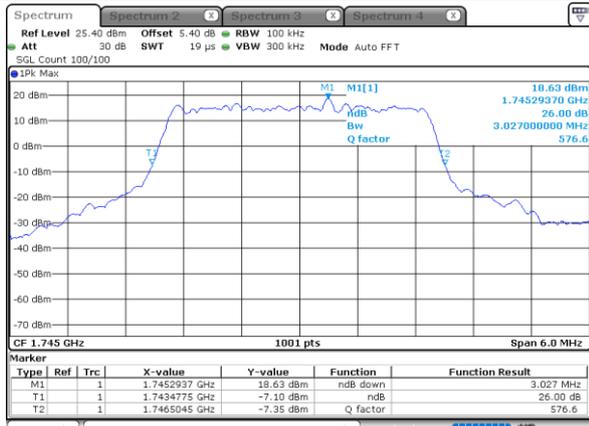
Middle Channel / 1.4MHz / 16QAM



Date: 29_MAY_2024 07:08:09

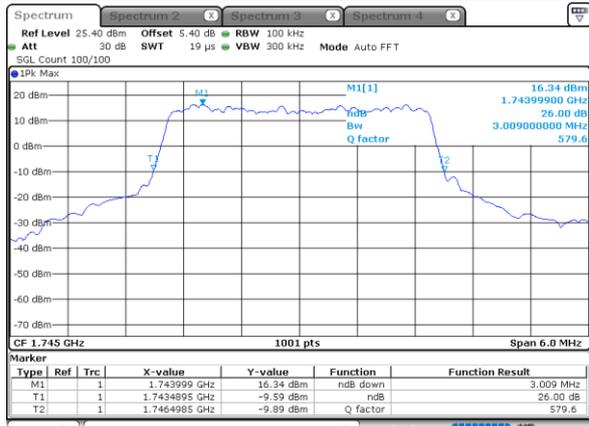
LTE Band 66

Middle Channel / 3MHz / QPSK



Date: 29_MAY_2024 07:06:00

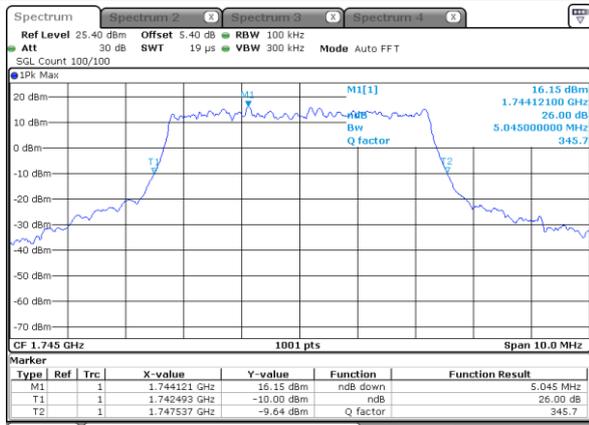
Middle Channel / 3MHz / 16QAM



Date: 29_MAY_2024 07:06:21

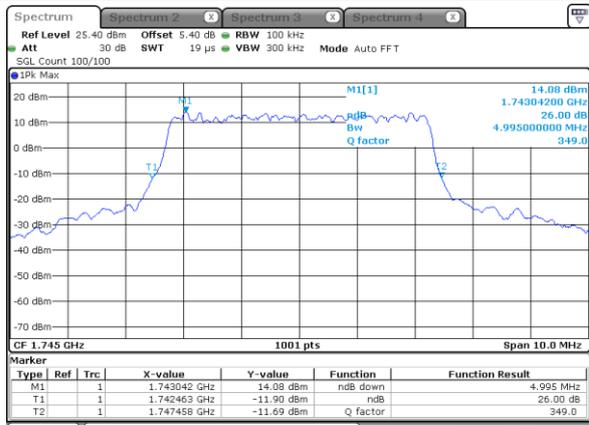
LTE Band 66

Middle Channel / 5MHz / QPSK



Date: 29_MAY_2024 07:04:33

Middle Channel / 5MHz / 16QAM

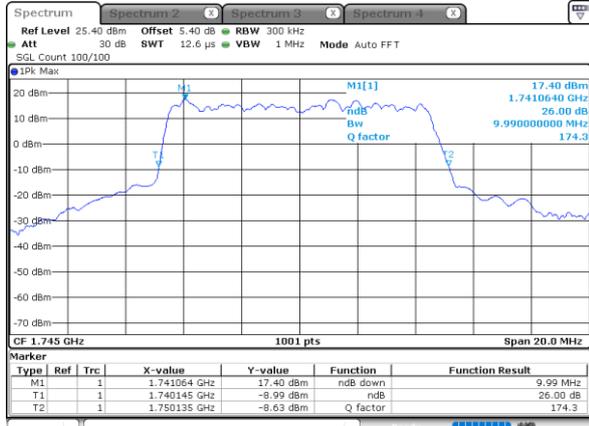


Date: 29_MAY_2024 07:04:55



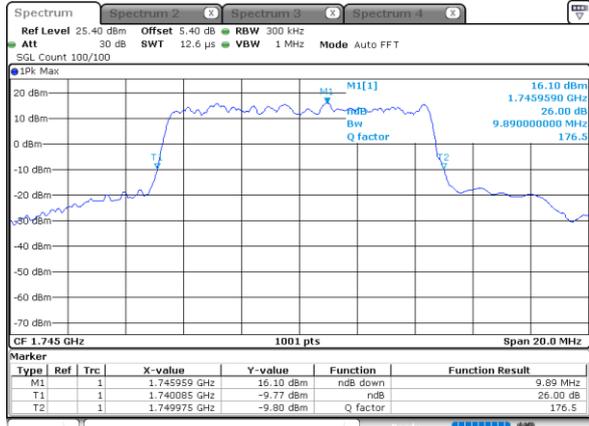
LTE Band 66

Middle Channel / 10MHz / QPSK



Date: 29_MAY.2024 07:03:07

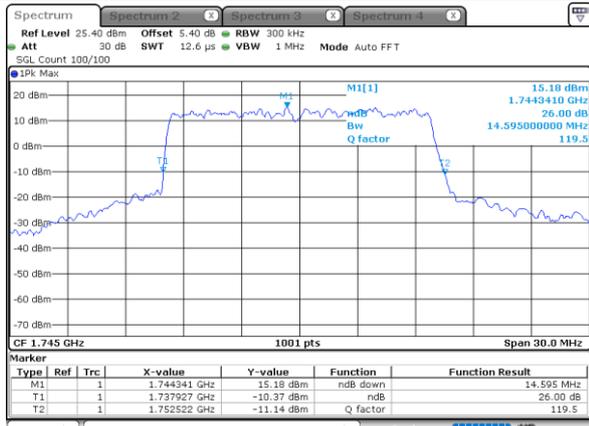
Middle Channel / 10MHz / 16QAM



Date: 29_MAY.2024 07:03:28

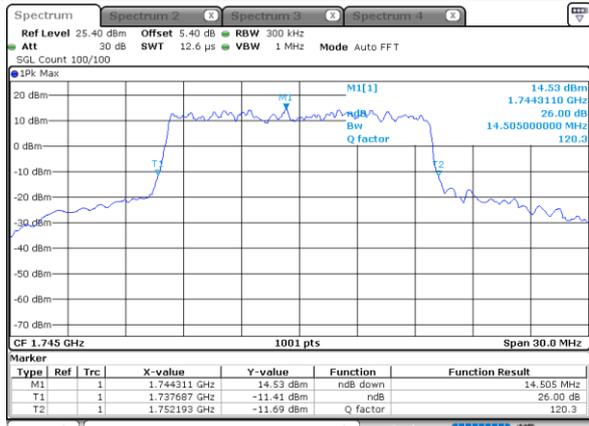
LTE Band 66

Middle Channel / 15MHz / QPSK



Date: 29_MAY.2024 07:01:40

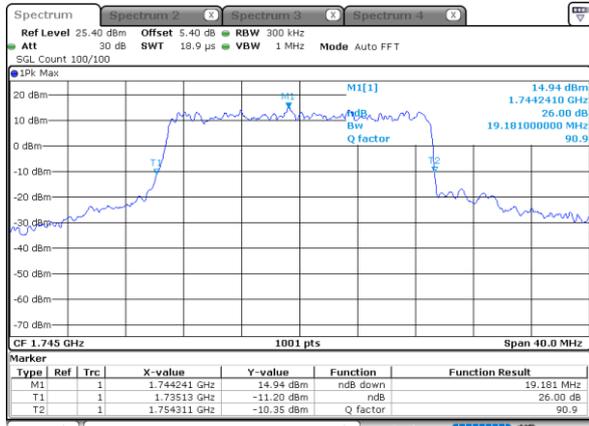
Middle Channel / 15MHz / 16QAM



Date: 29_MAY.2024 07:02:02

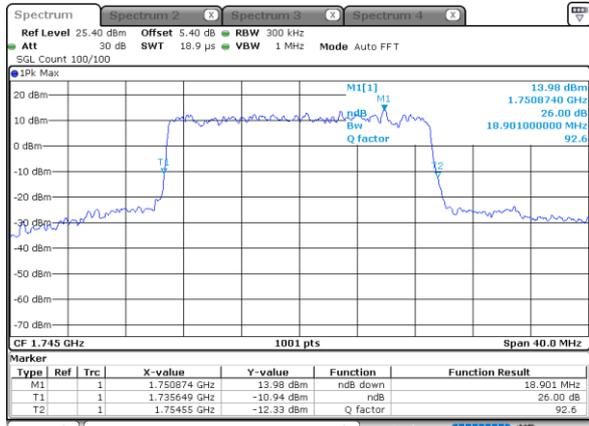
LTE Band 66

Middle Channel / 20MHz / QPSK



Date: 29_MAY.2024 06:57:33

Middle Channel / 20MHz / 16QAM



Date: 29_MAY.2024 06:57:55



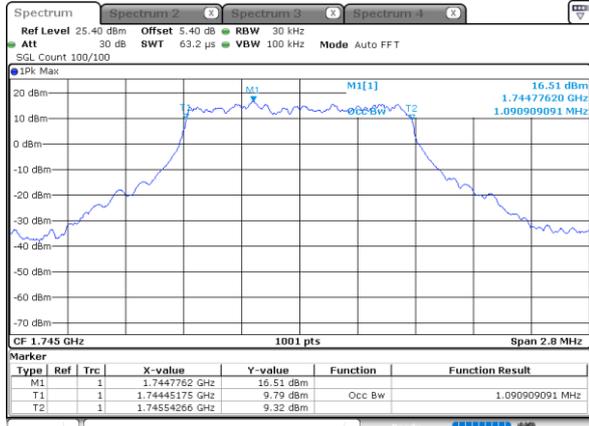
Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.10
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.73	2.72
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.51	4.48
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	8.99
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.49	13.46
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.82



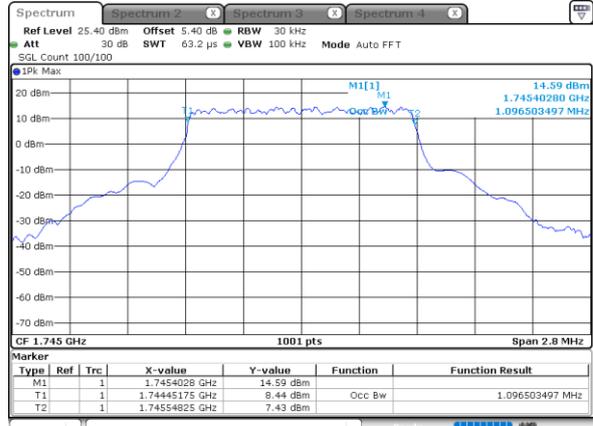
LTE Band 66

Middle Channel / 1.4MHz / QPSK



Date: 29_MAY.2024 07:07:26

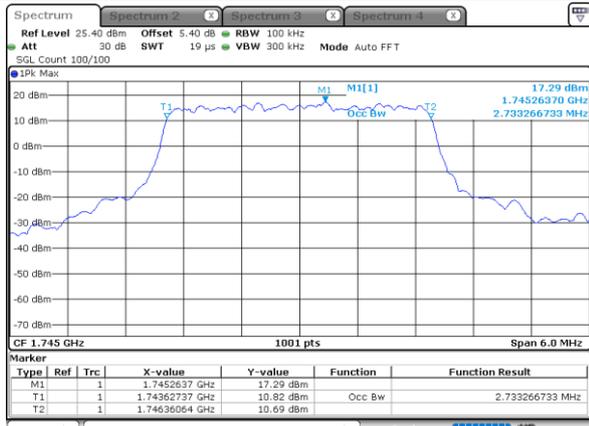
Middle Channel / 1.4MHz / 16QAM



Date: 29_MAY.2024 07:08:30

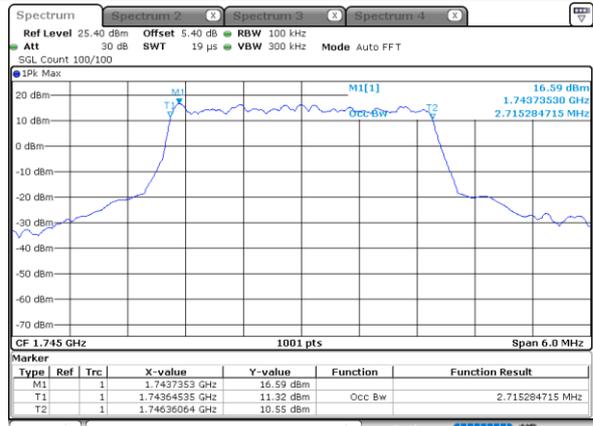
LTE Band 66

Middle Channel / 3MHz / QPSK



Date: 29_MAY.2024 07:05:38

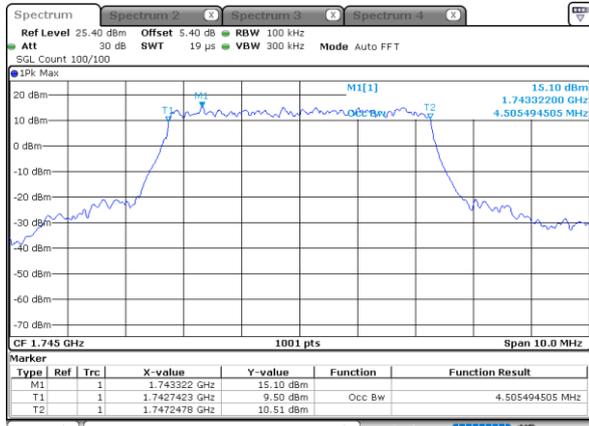
Middle Channel / 3MHz / 16QAM



Date: 29_MAY.2024 07:06:43

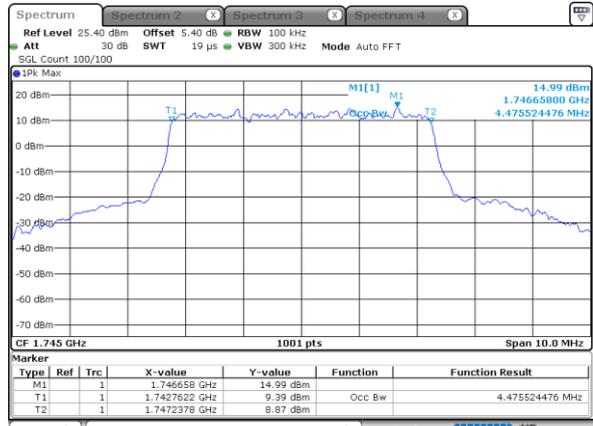
LTE Band 66

Middle Channel / 5MHz / QPSK



Date: 29_MAY.2024 07:04:12

Middle Channel / 5MHz / 16QAM

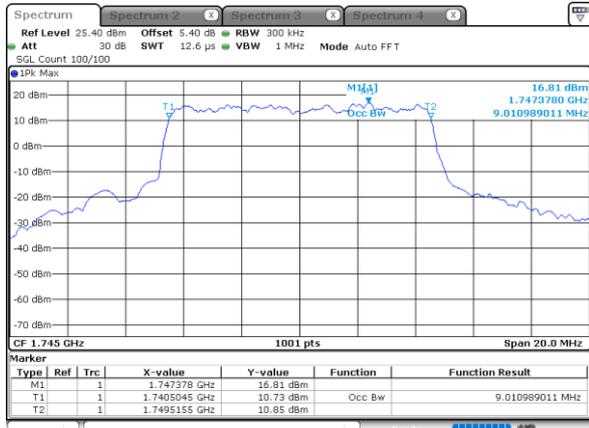


Date: 29_MAY.2024 07:05:16



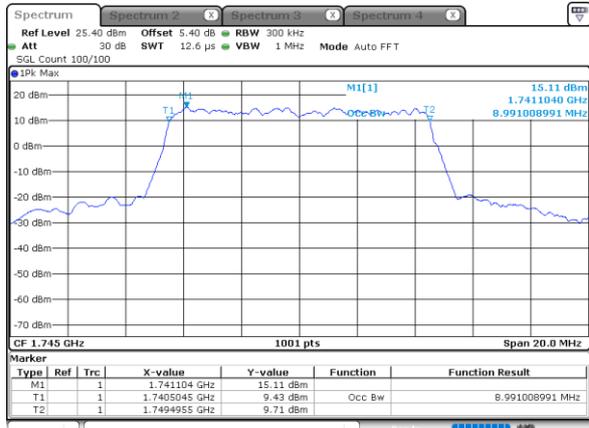
LTE Band 66

Middle Channel / 10MHz / QPSK



Date: 29_MAY.2024 07:02:45

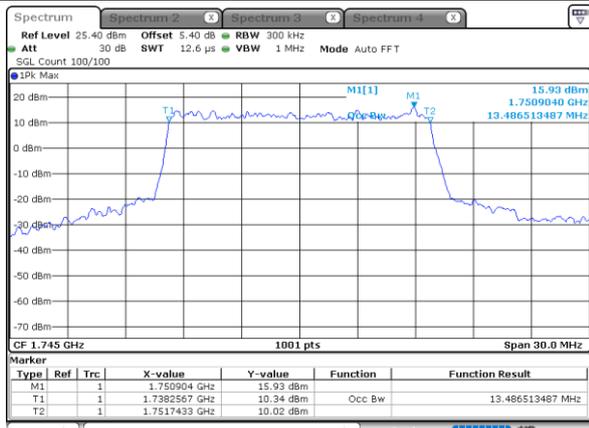
Middle Channel / 10MHz / 16QAM



Date: 29_MAY.2024 07:03:50

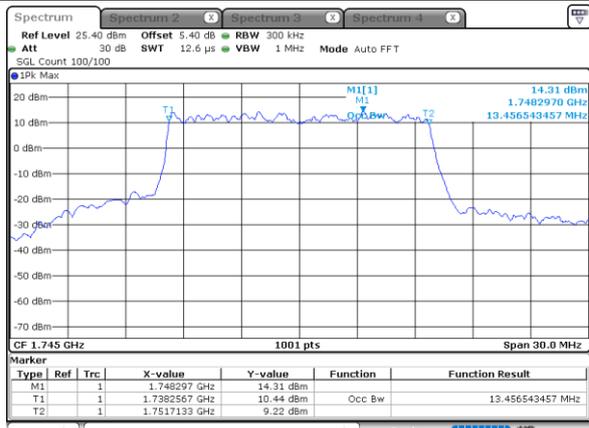
LTE Band 66

Middle Channel / 15MHz / QPSK



Date: 29_MAY.2024 07:01:19

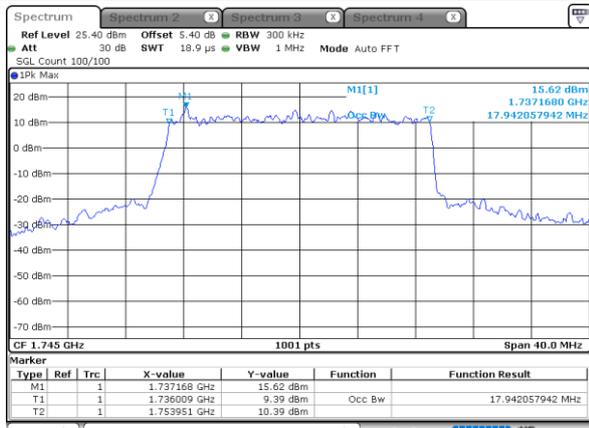
Middle Channel / 15MHz / 16QAM



Date: 29_MAY.2024 07:02:23

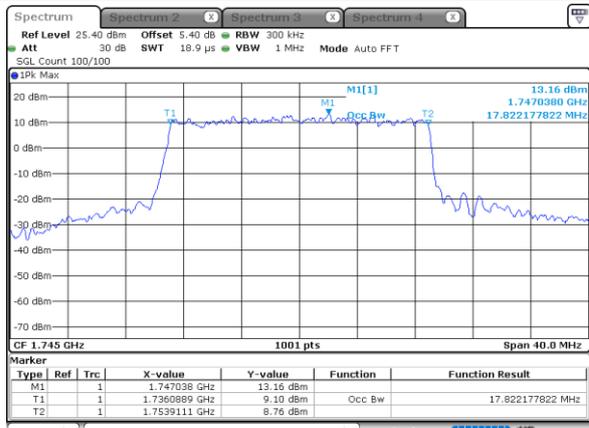
LTE Band 66

Middle Channel / 20MHz / QPSK



Date: 29_MAY.2024 06:56:50

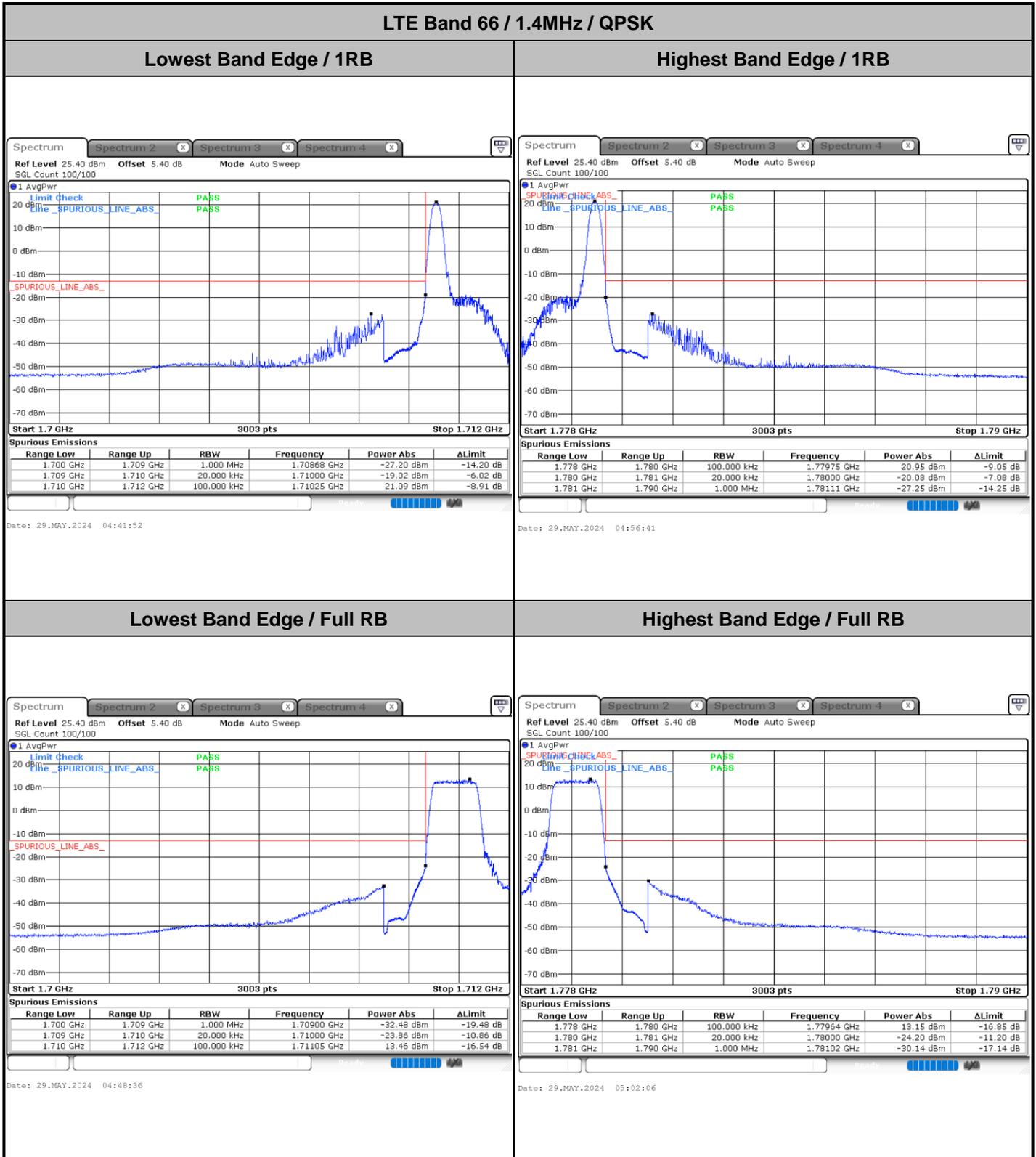
Middle Channel / 20MHz / 16QAM



Date: 29_MAY.2024 06:57:12



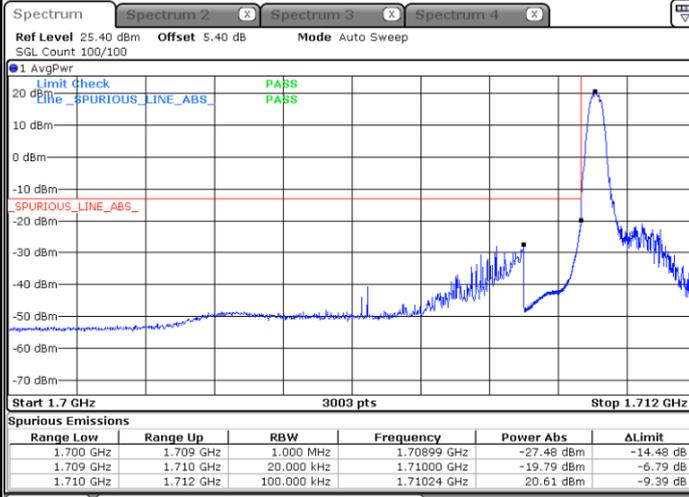
Conducted Band Edge





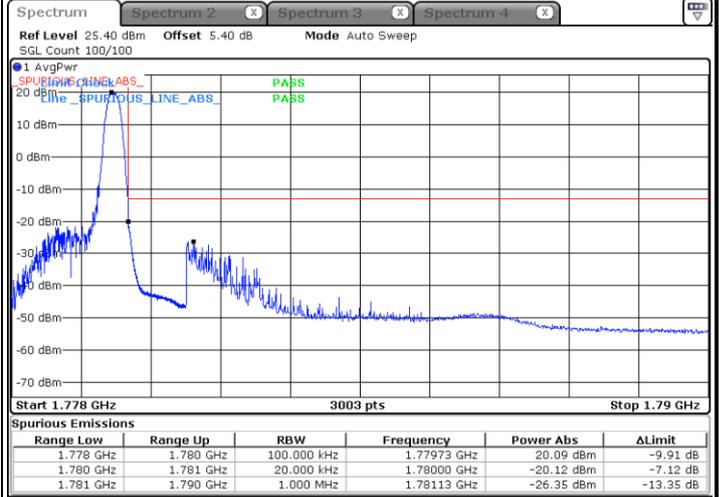
LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



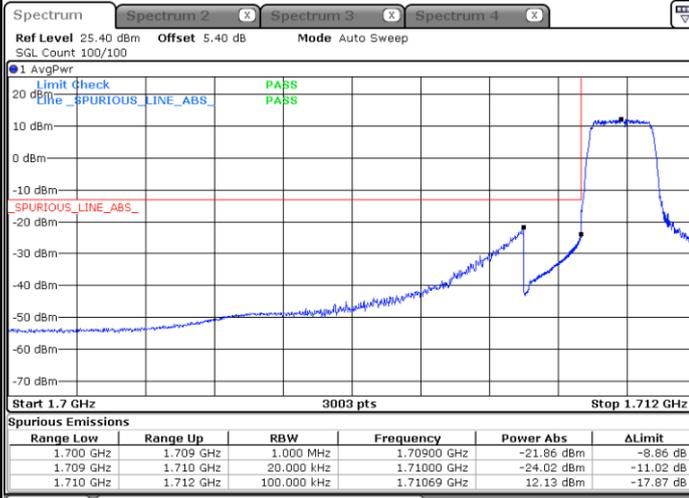
Date: 29.MAY.2024 04:43:32

Highest Band Edge / 1 RB



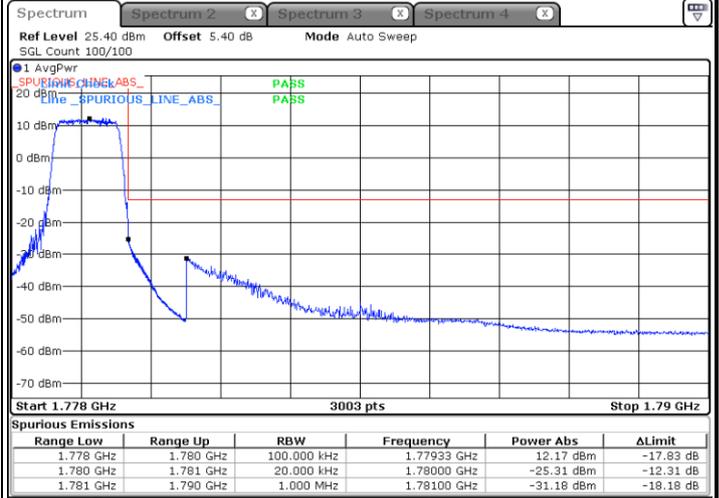
Date: 29.MAY.2024 04:58:02

Lowest Band Edge / Full RB



Date: 29.MAY.2024 04:49:57

Highest Band Edge / Full RB

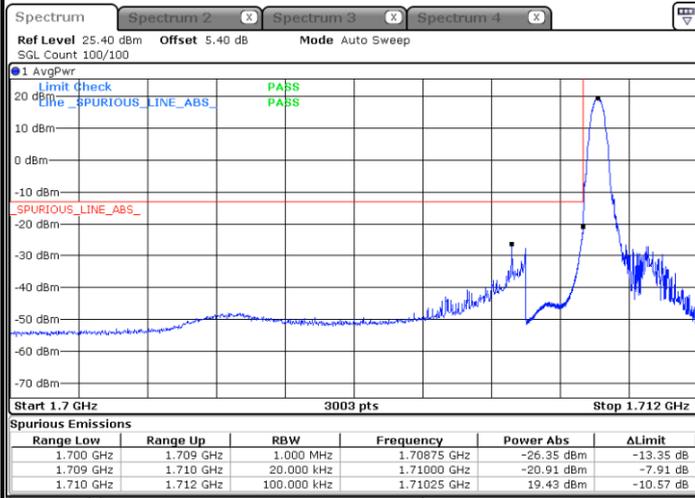


Date: 29.MAY.2024 05:03:26



LTE Band 66 / 1.4MHz / 64QAM

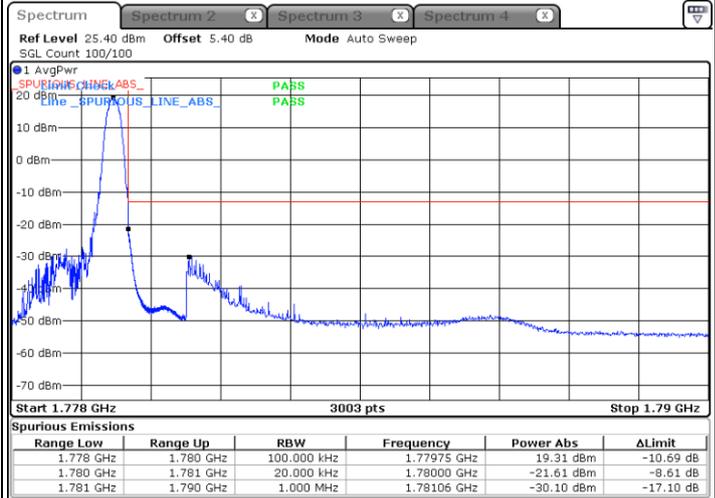
Lowest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70875 GHz	-26.35 dBm	-13.35 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-20.91 dBm	-7.91 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71025 GHz	19.43 dBm	-10.57 dB

Date: 29.MAY.2024 04:45:12

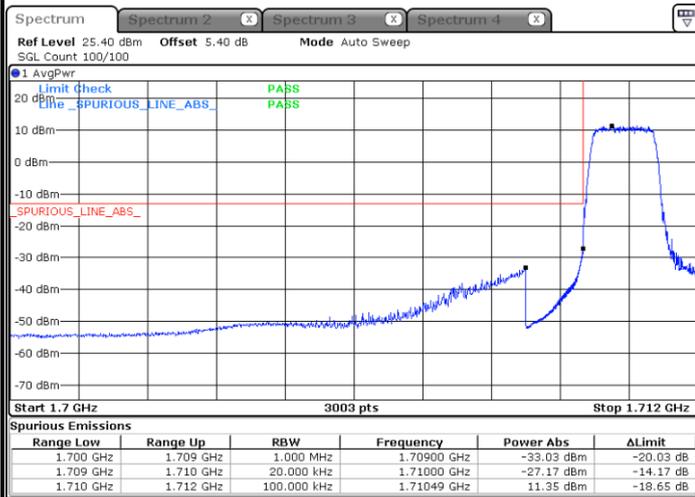
Highest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.778 GHz	1.780 GHz	100.000 kHz	1.77975 GHz	19.31 dBm	-10.69 dB
1.780 GHz	1.781 GHz	20.000 kHz	1.78000 GHz	-21.61 dBm	-8.61 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78106 GHz	-30.10 dBm	-17.10 dB

Date: 29.MAY.2024 04:59:22

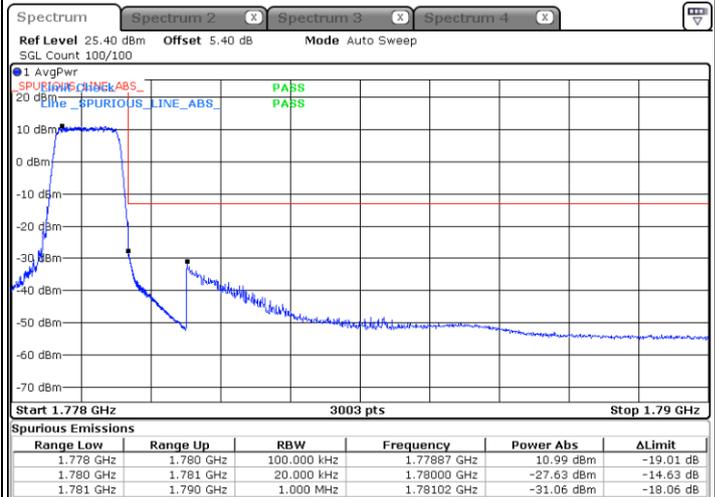
Lowest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-33.03 dBm	-20.03 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-27.17 dBm	-14.17 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71049 GHz	11.35 dBm	-18.65 dB

Date: 29.MAY.2024 04:51:17

Highest Band Edge / Full RB



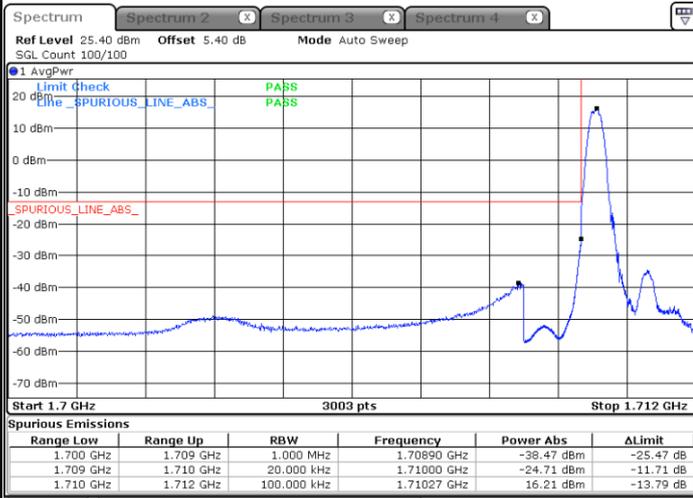
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.778 GHz	1.780 GHz	100.000 kHz	1.77887 GHz	10.99 dBm	-19.01 dB
1.780 GHz	1.781 GHz	20.000 kHz	1.78000 GHz	-27.63 dBm	-14.63 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78106 GHz	-31.06 dBm	-18.06 dB

Date: 29.MAY.2024 05:04:47



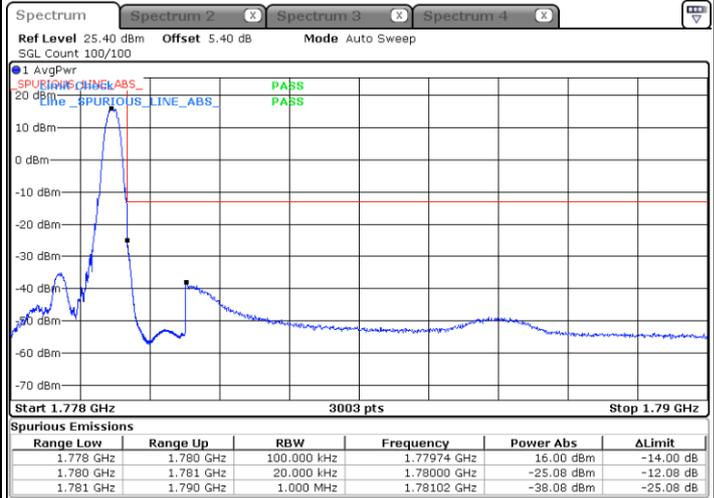
LTE Band 66 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



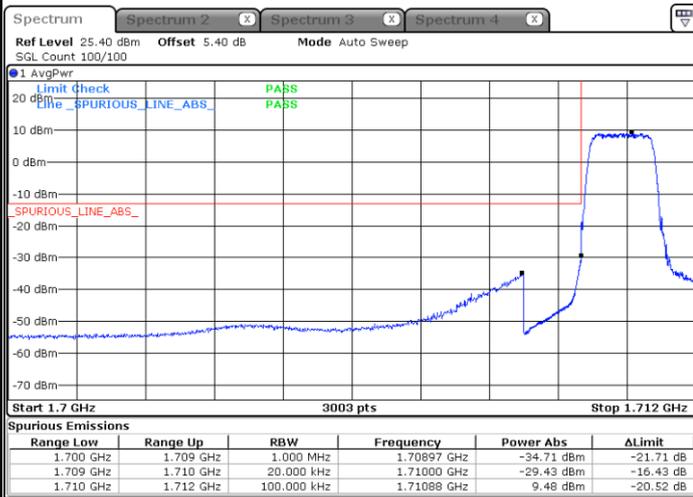
Date: 29.MAY.2024 04:46:53

Highest Band Edge / 1 RB



Date: 29.MAY.2024 05:00:42

Lowest Band Edge / Full RB



Date: 29.MAY.2024 04:52:38

Highest Band Edge / Full RB

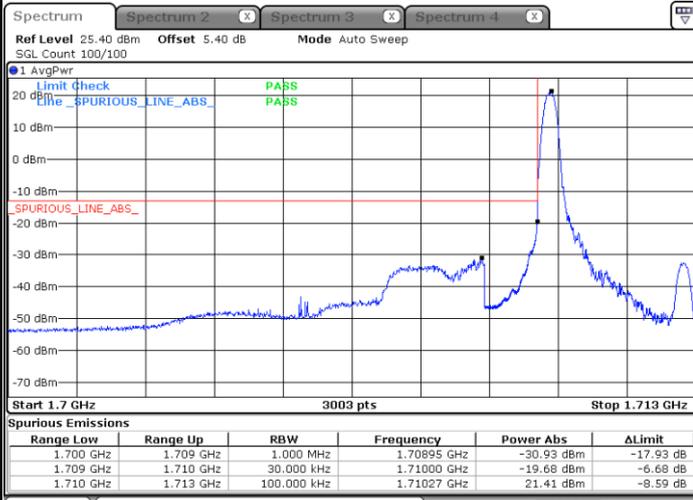


Date: 29.MAY.2024 05:06:07



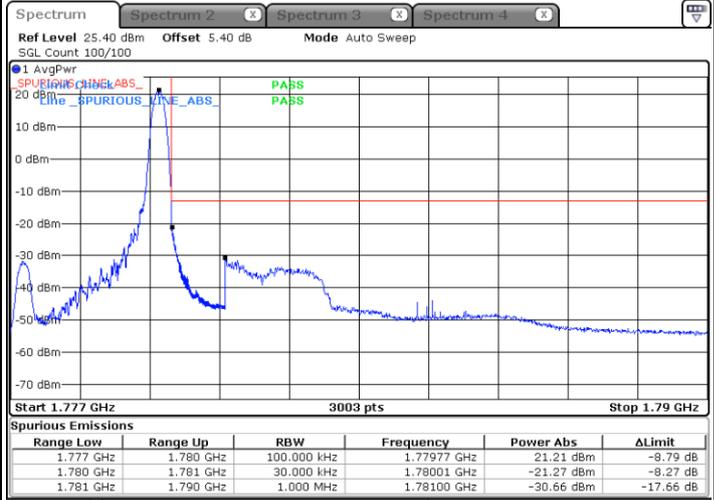
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



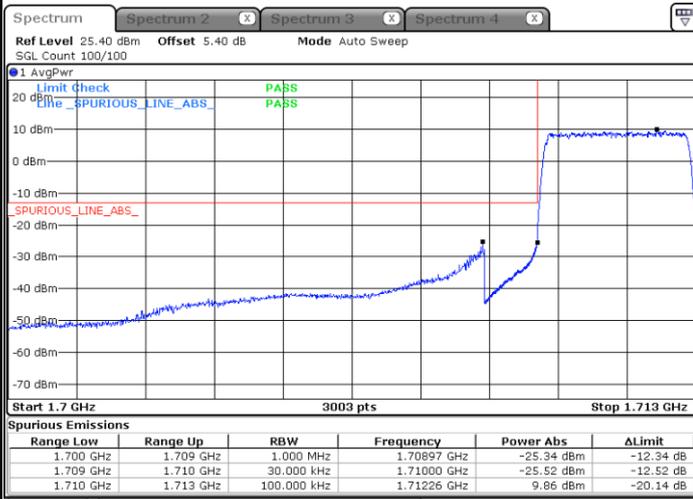
Date: 29.MAY.2024 05:25:21

Highest Band Edge / 1 RB



Date: 29.MAY.2024 05:38:40

Lowest Band Edge / Full RB



Date: 29.MAY.2024 05:31:35

Highest Band Edge / Full RB

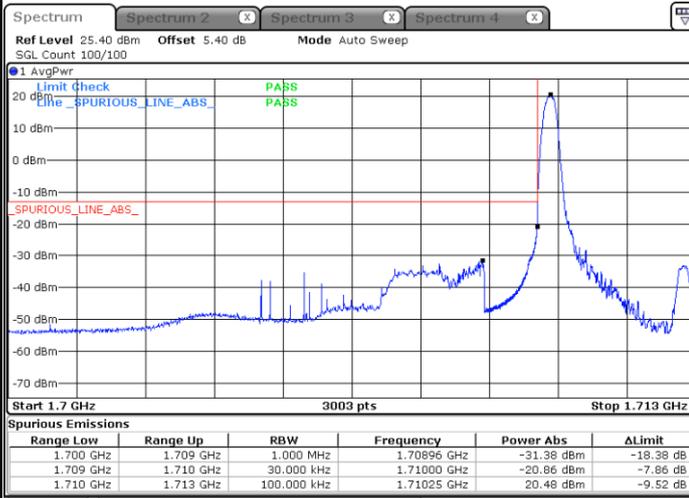


Date: 29.MAY.2024 05:43:04



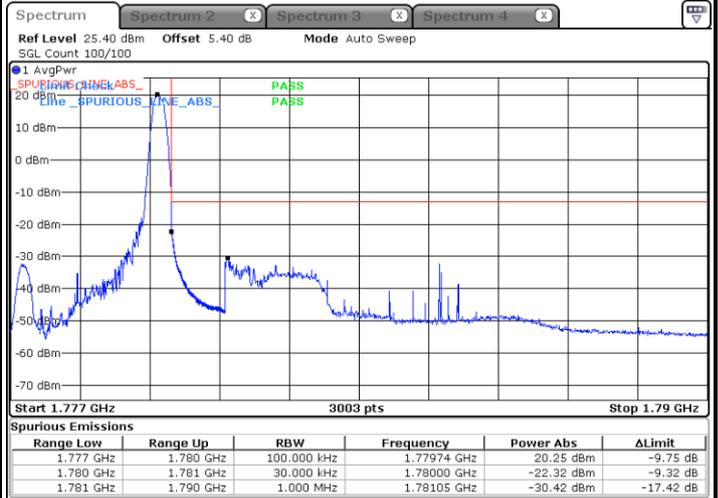
LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



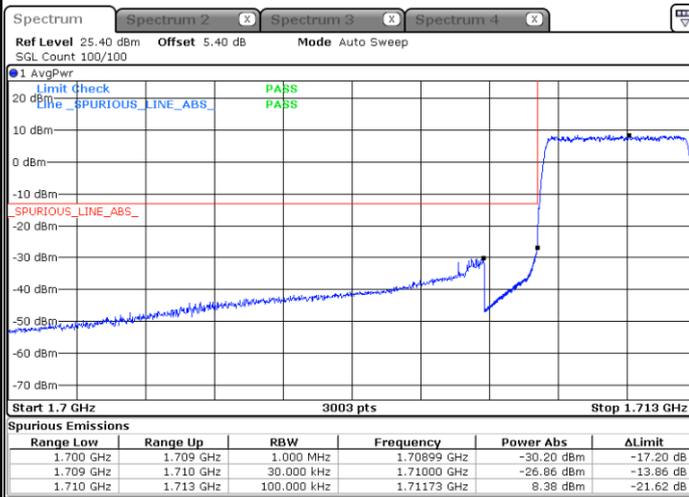
Date: 29.MAY.2024 05:26:41

Highest Band Edge / 1 RB



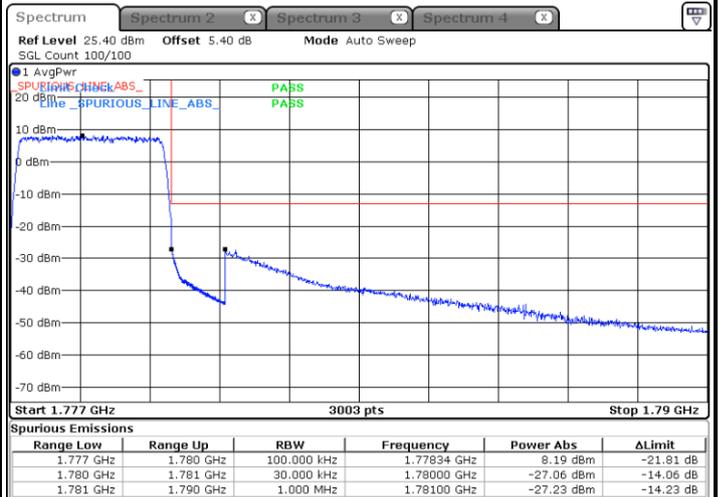
Date: 29.MAY.2024 05:39:45

Lowest Band Edge / Full RB



Date: 29.MAY.2024 05:32:41

Highest Band Edge / Full RB

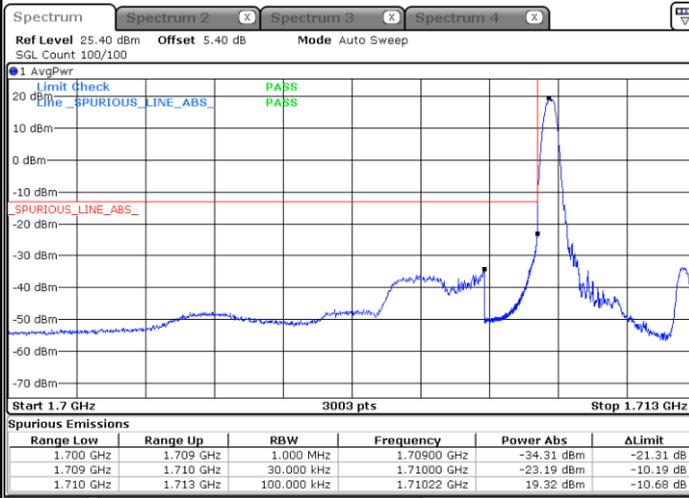


Date: 29.MAY.2024 05:44:09

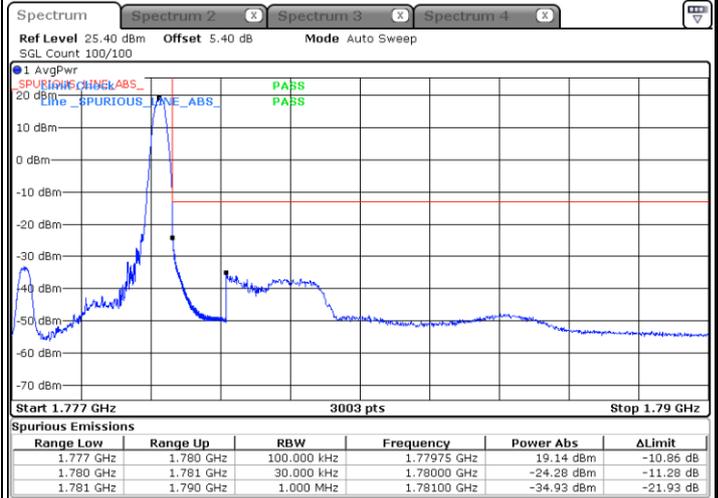


LTE Band 66 / 3MHz / 64QAM

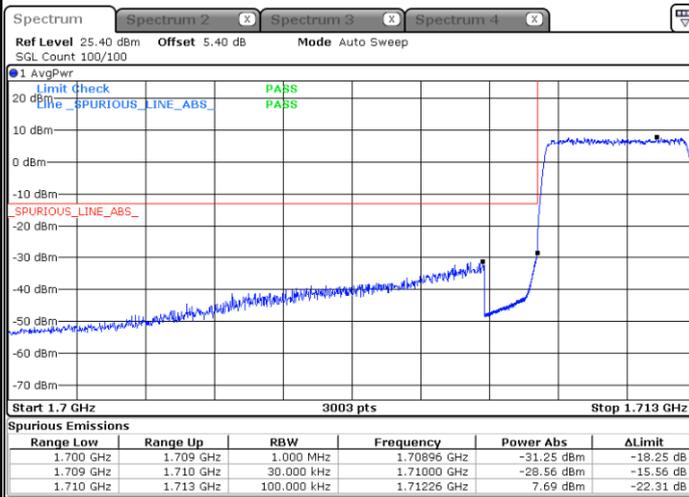
Lowest Band Edge / 1 RB



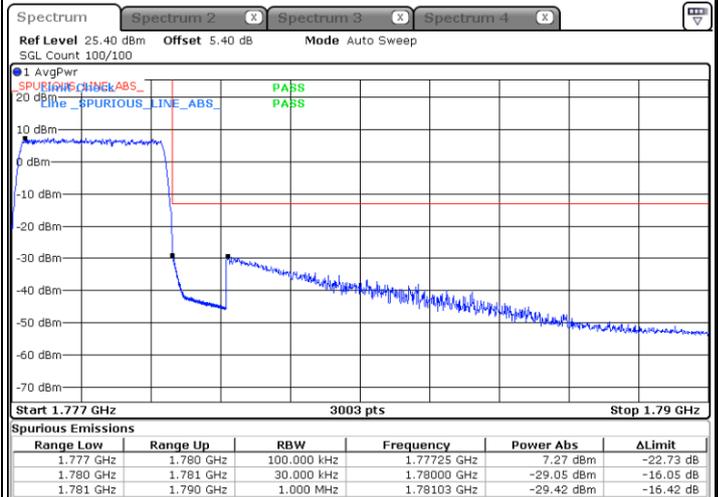
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



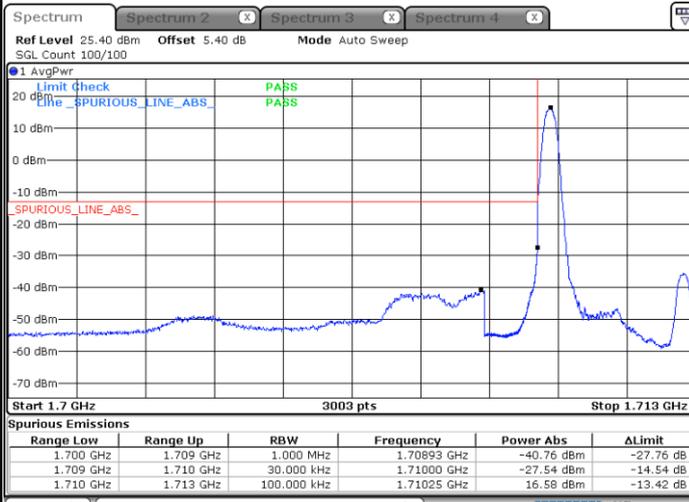
Highest Band Edge / Full RB





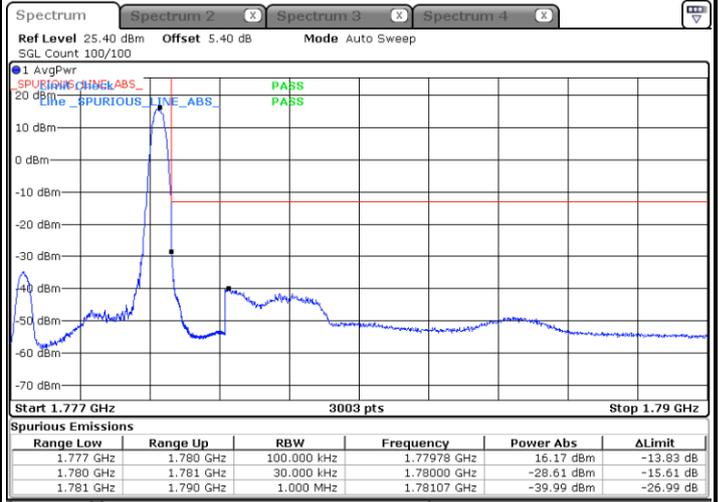
LTE Band 66 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



Date: 29.MAY.2024 05:29:22

Highest Band Edge / 1 RB



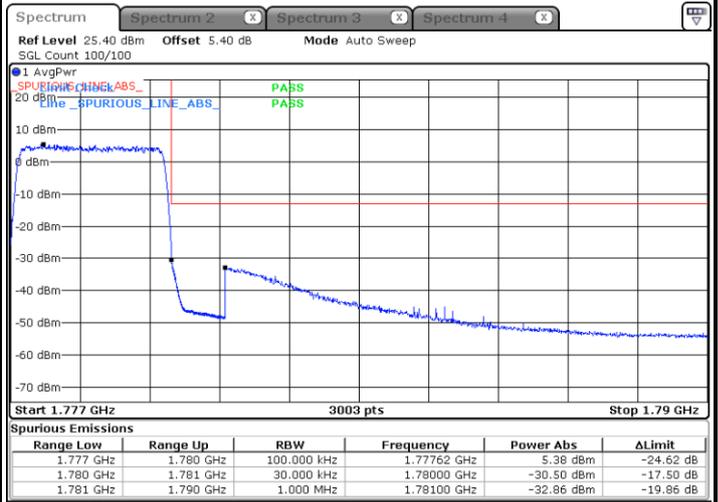
Date: 29.MAY.2024 05:41:55

Lowest Band Edge / Full RB



Date: 29.MAY.2024 05:34:52

Highest Band Edge / Full RB

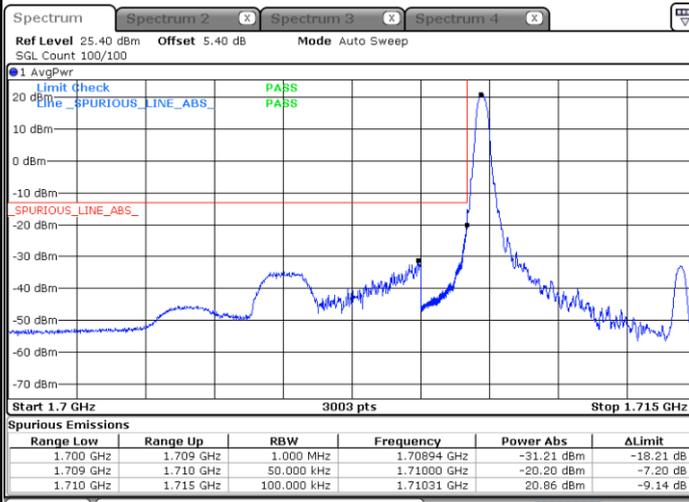


Date: 29.MAY.2024 05:46:20



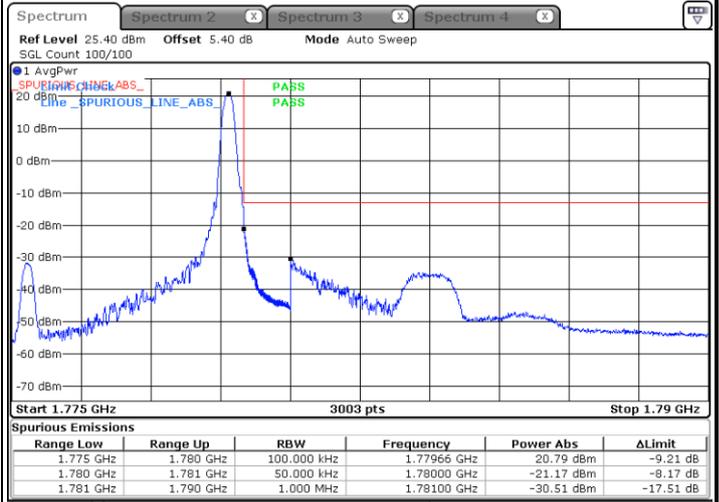
LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 29.MAY.2024 05:49:29

Highest Band Edge / 1 RB



Date: 29.MAY.2024 06:00:57

Lowest Band Edge / Full RB



Date: 29.MAY.2024 05:53:52

Highest Band Edge / Full RB

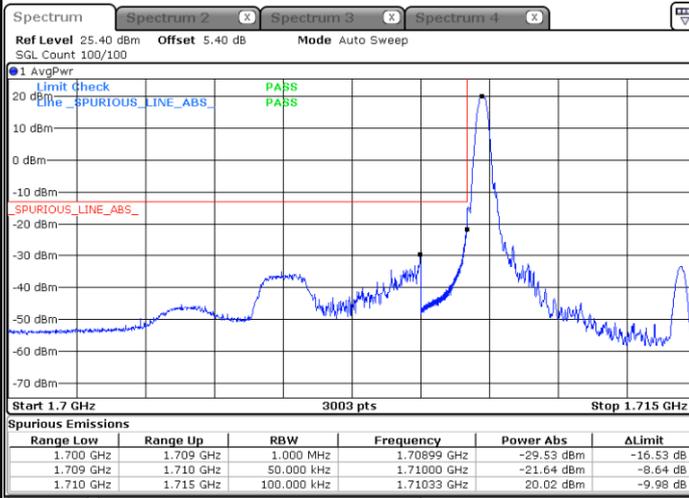


Date: 29.MAY.2024 06:05:21



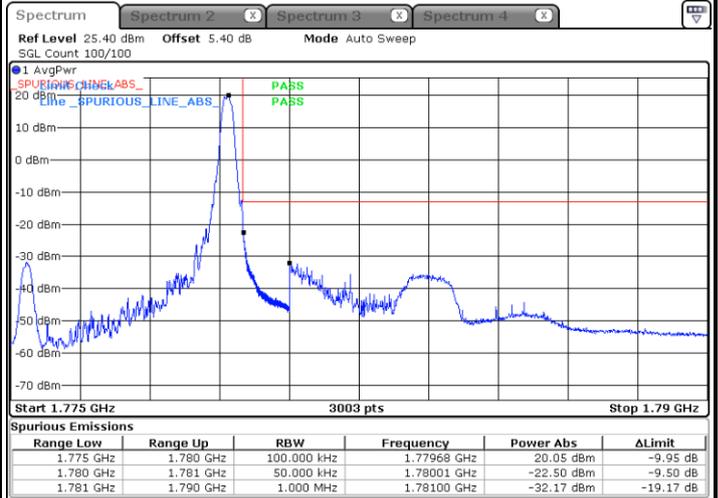
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1RB



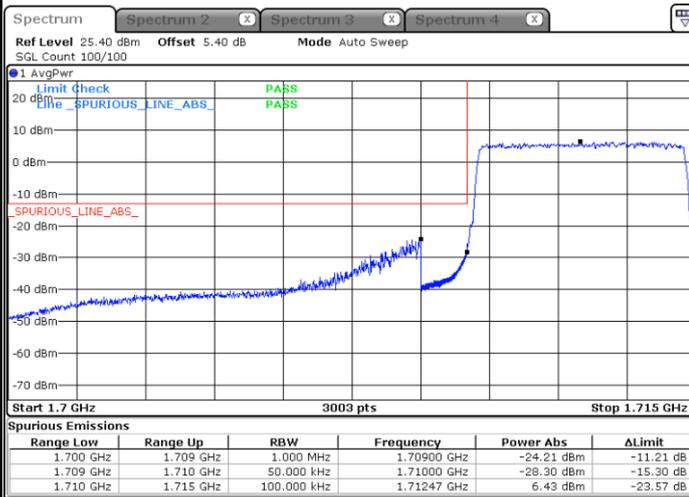
Date: 29.MAY.2024 05:50:34

Highest Band Edge / 1 RB



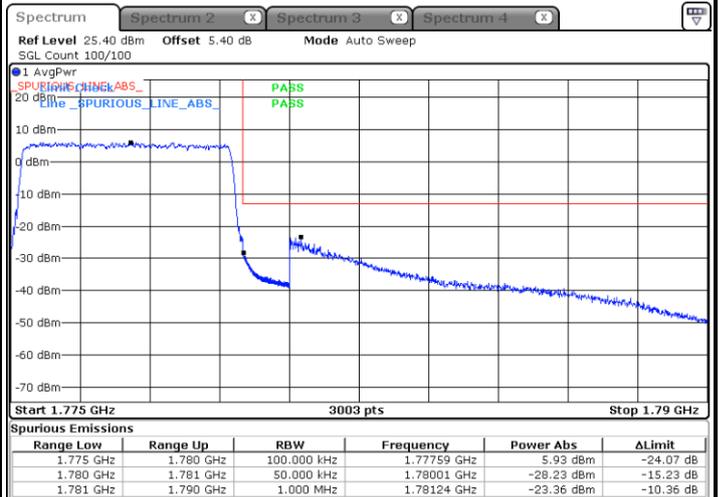
Date: 29.MAY.2024 06:02:02

Lowest Band Edge / Full RB



Date: 29.MAY.2024 05:54:57

Highest Band Edge / Full RB

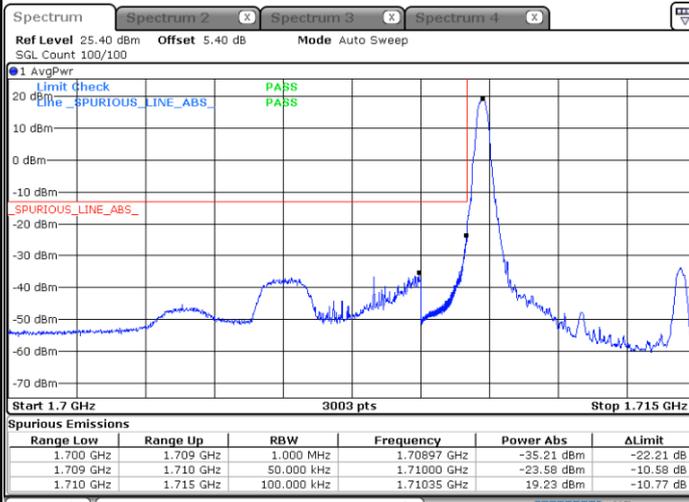


Date: 29.MAY.2024 06:06:26



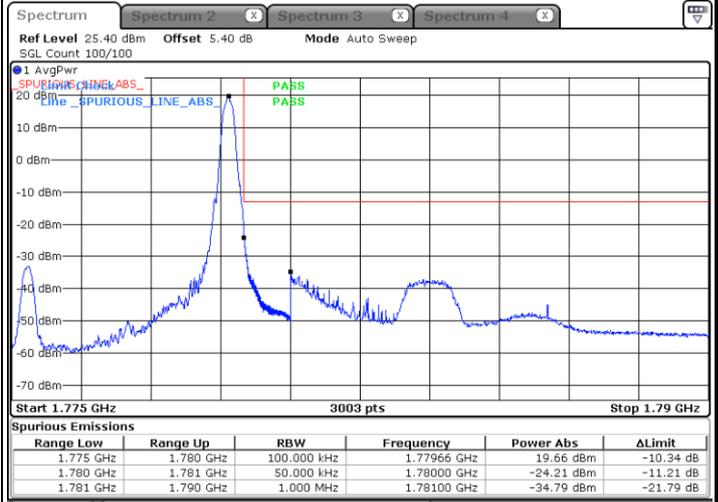
LTE Band 66 / 5MHz / 64QAM

Lowest Band Edge / 1RB



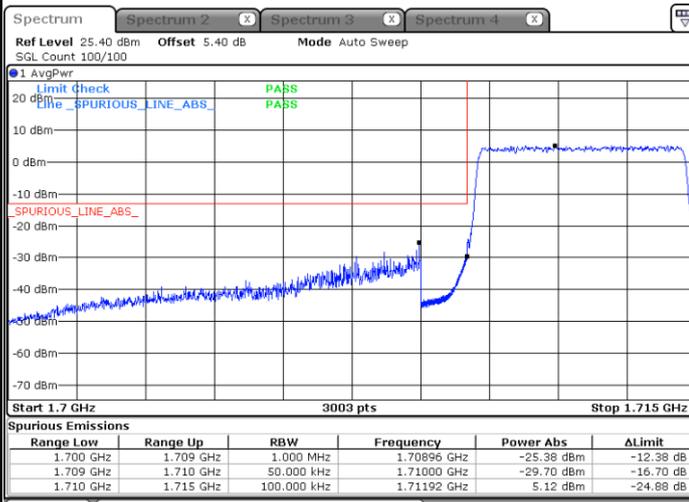
Date: 29.MAY.2024 05:51:39

Highest Band Edge / 1 RB



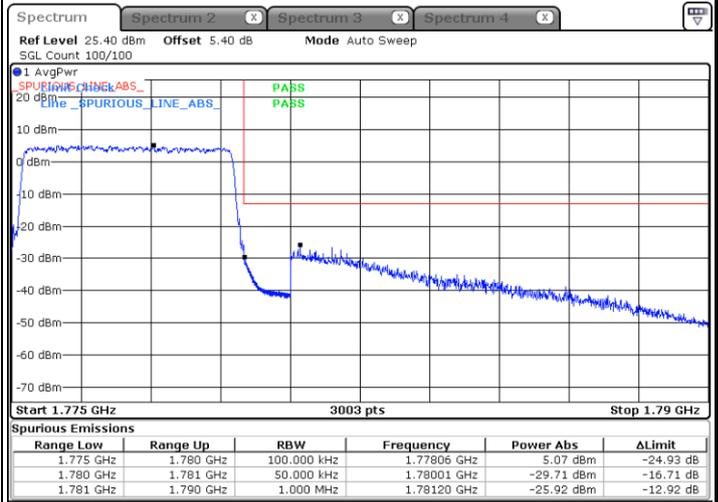
Date: 29.MAY.2024 06:03:08

Lowest Band Edge / Full RB



Date: 29.MAY.2024 05:56:02

Highest Band Edge / Full RB

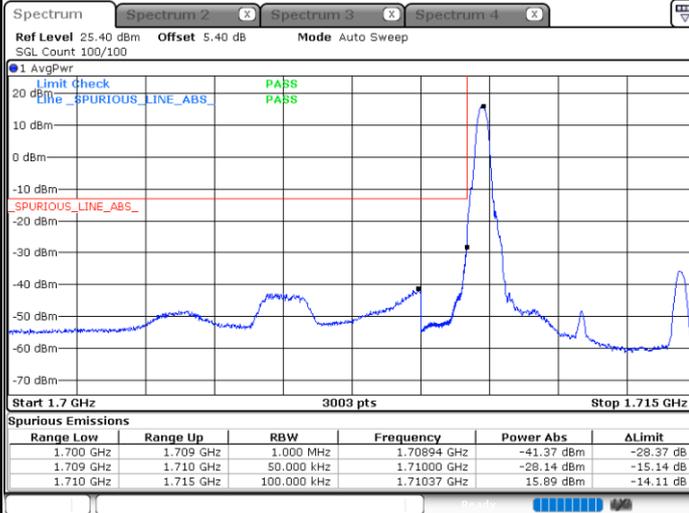


Date: 29.MAY.2024 06:07:31



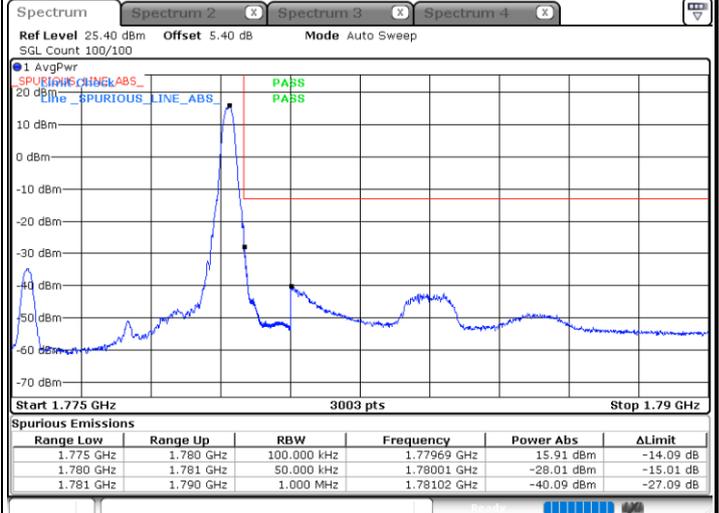
LTE Band 66 / 5MHz /256QAM

Lowest Band Edge / 1RB



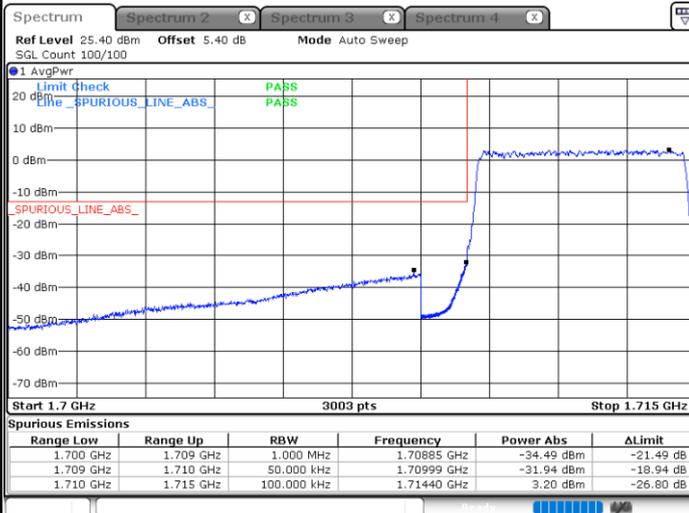
Date: 29.MAY.2024 05:52:44

Highest Band Edge / 1 RB



Date: 29.MAY.2024 06:04:13

Lowest Band Edge / Full RB



Date: 29.MAY.2024 05:57:08

Highest Band Edge / Full RB



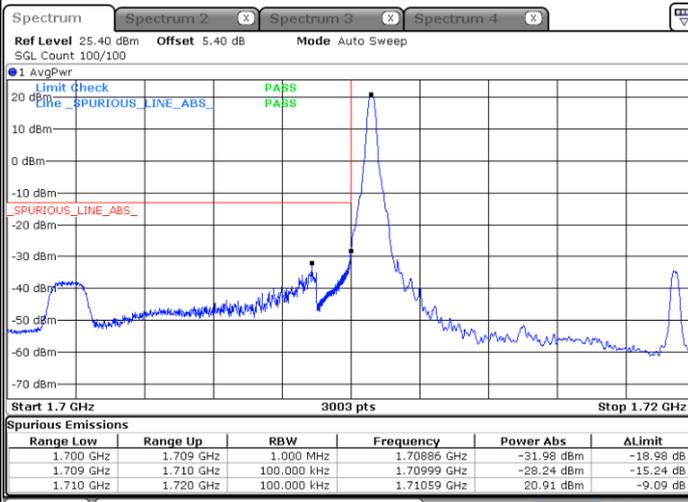
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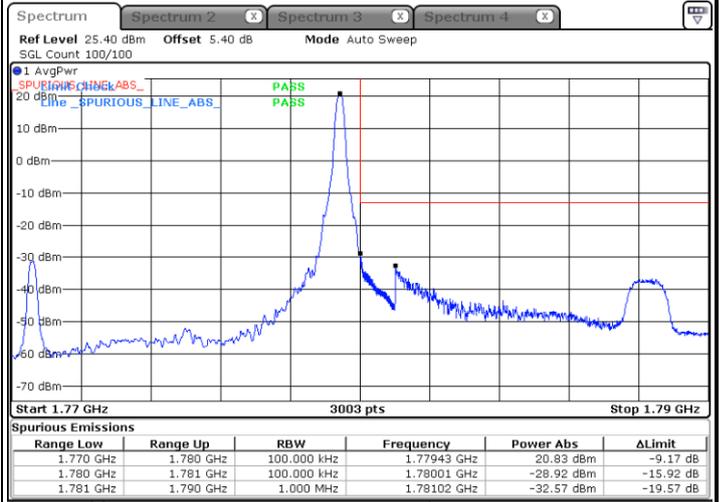
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



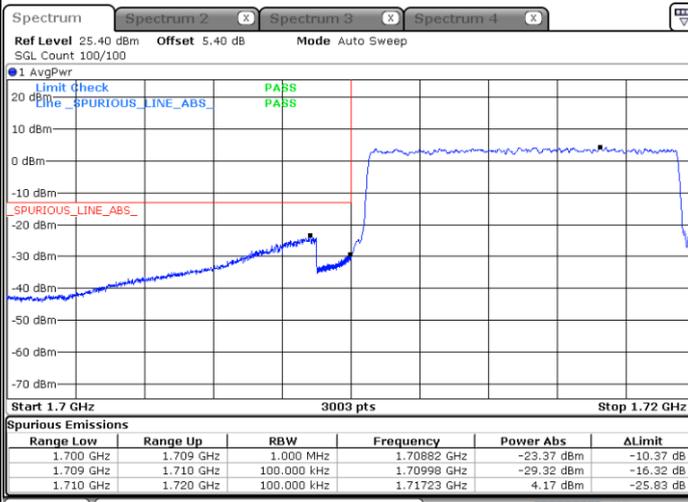
Date: 29.MAY.2024 06:11:51



Date: 29.MAY.2024 06:23:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29.MAY.2024 06:16:15

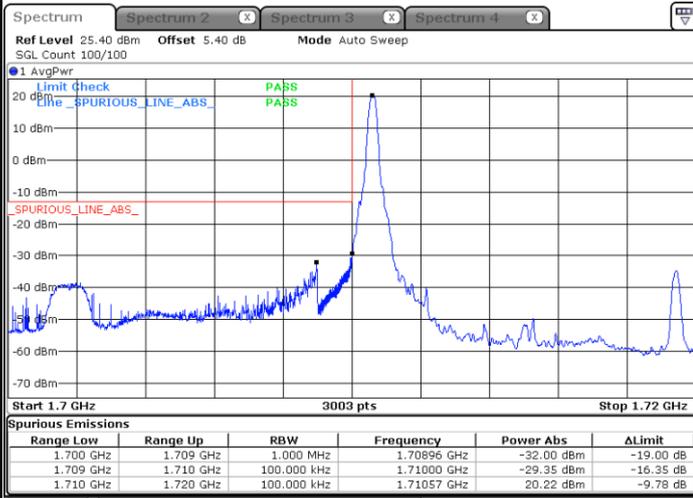


Date: 29.MAY.2024 06:27:23



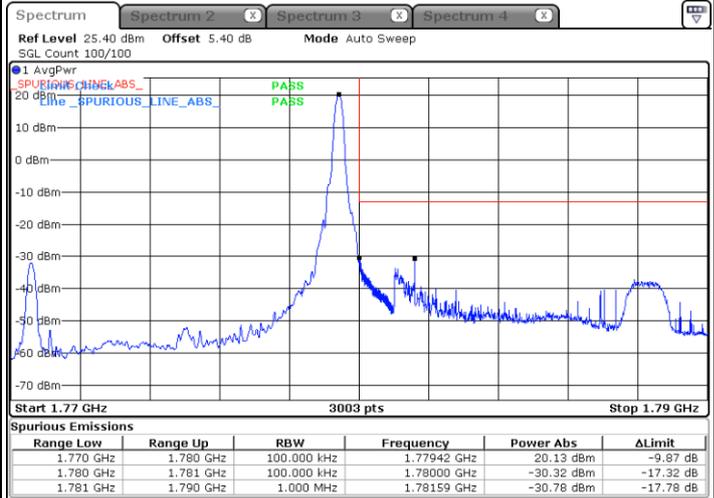
LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



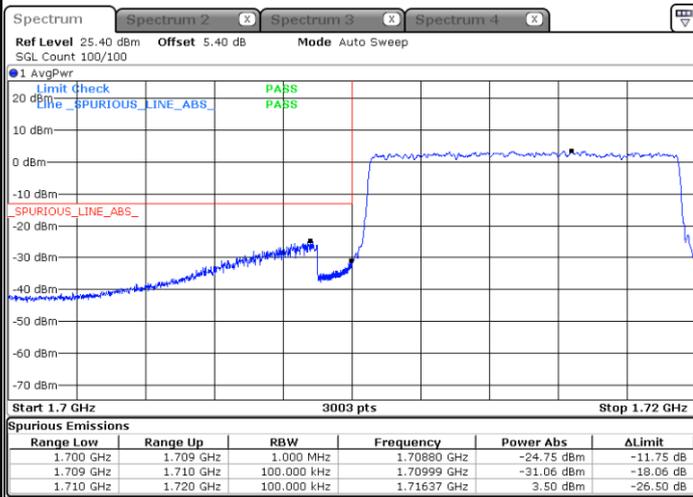
Date: 29.MAY.2024 06:12:57

Highest Band Edge / 1 RB



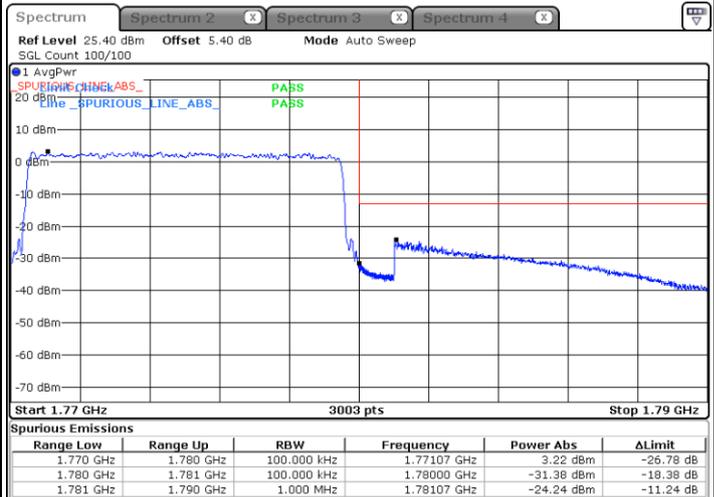
Date: 29.MAY.2024 06:24:24

Lowest Band Edge / Full RB



Date: 29.MAY.2024 06:17:20

Highest Band Edge / Full RB



Date: 29.MAY.2024 06:28:08