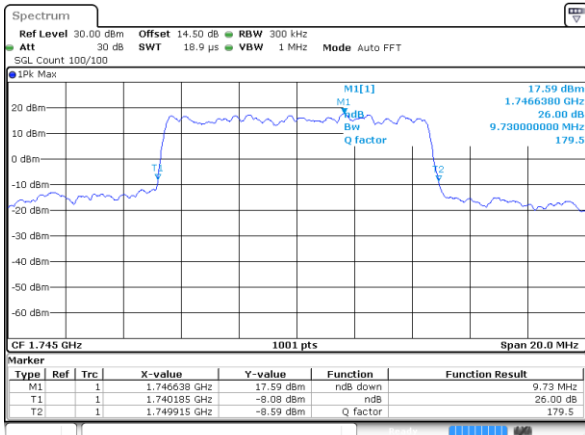




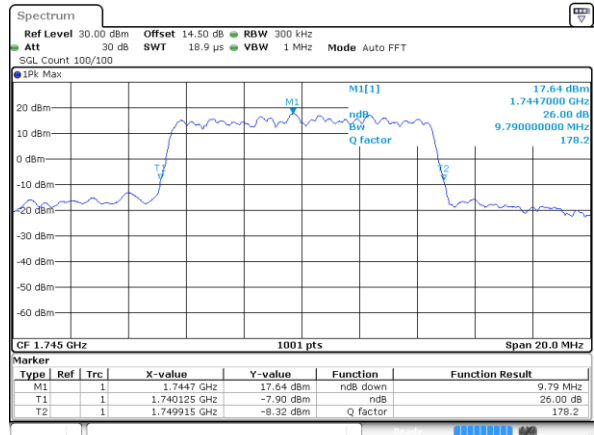
LTE Band 66

Middle Channel / 10MHz / QPSK



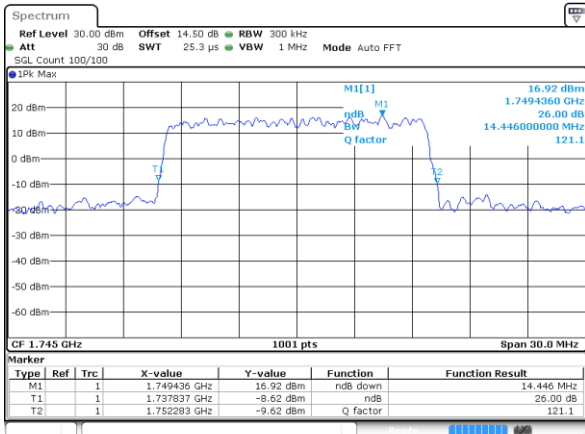
Date: 13 MAY 2024 22:27:28

Middle Channel / 10MHz / 16QAM



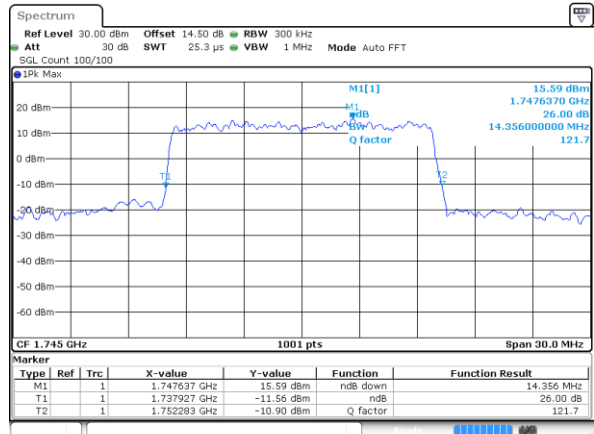
Date: 13 MAY 2024 22:28:08

Middle Channel / 15MHz / QPSK



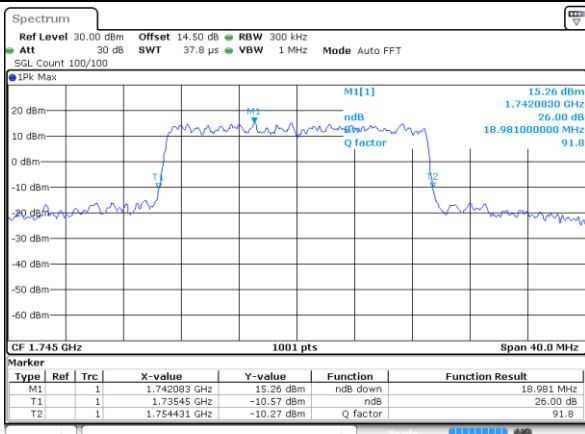
Date: 13 MAY 2024 22:51:49

Middle Channel / 15MHz / 16QAM



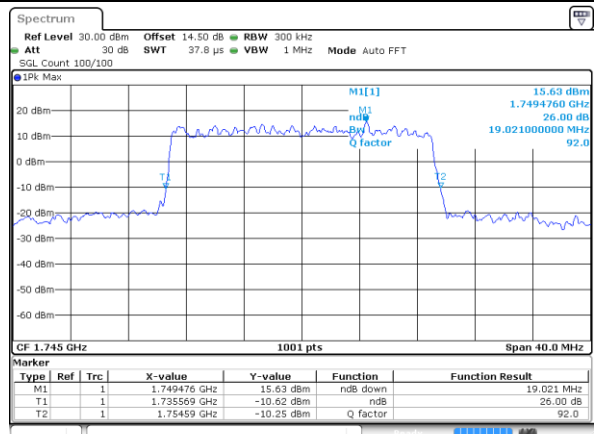
Date: 13 MAY 2024 22:52:29

Middle Channel / 20MHz / QPSK



Date: 13 MAY 2024 23:16:10

Middle Channel / 20MHz / 16QAM



Date: 13 MAY 2024 23:16:50



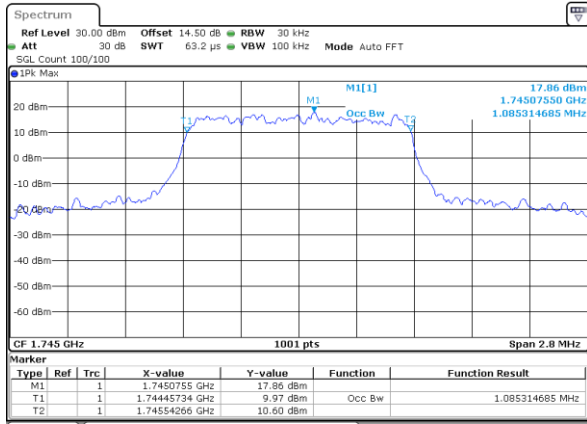
Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.73	2.72	4.49	4.50	9.09	8.99	13.49	13.46	17.90	17.98



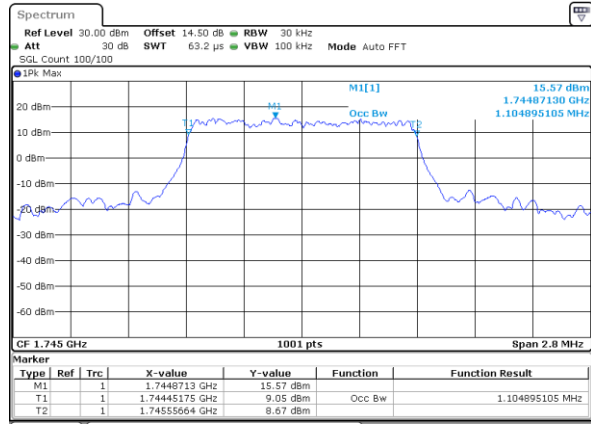
LTE Band 66

Middle Channel / 1.4MHz / QPSK



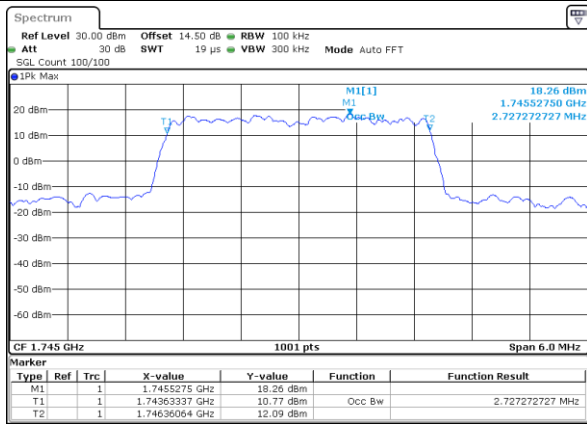
Date: 13 MAY 2024 21:12:21

Middle Channel / 1.4MHz / 16QAM



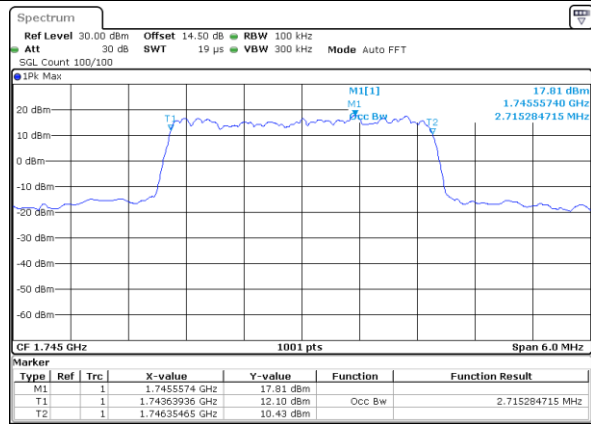
Date: 13 MAY 2024 21:13:01

Middle Channel / 3MHz / QPSK



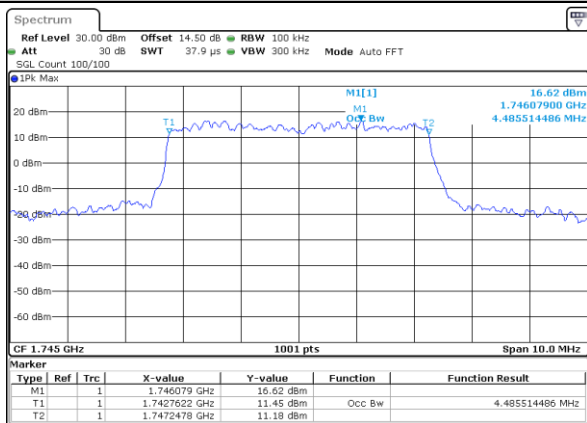
Date: 13 MAY 2024 21:36:43

Middle Channel / 3MHz / 16QAM



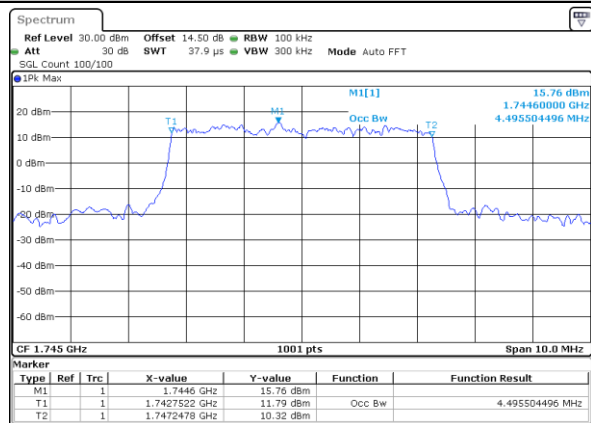
Date: 13 MAY 2024 21:37:23

Middle Channel / 5MHz / QPSK



Date: 13 MAY 2024 22:02:54

Middle Channel / 5MHz / 16QAM

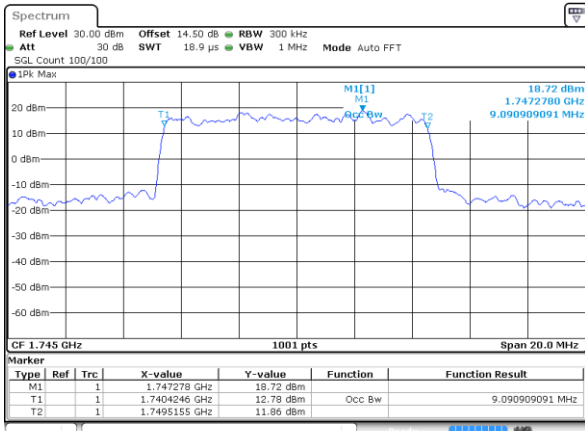


Date: 13 MAY 2024 22:03:33



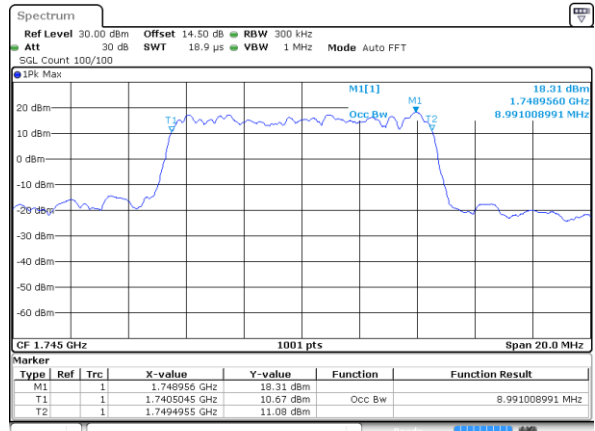
LTE Band 66

Middle Channel / 10MHz / QPSK



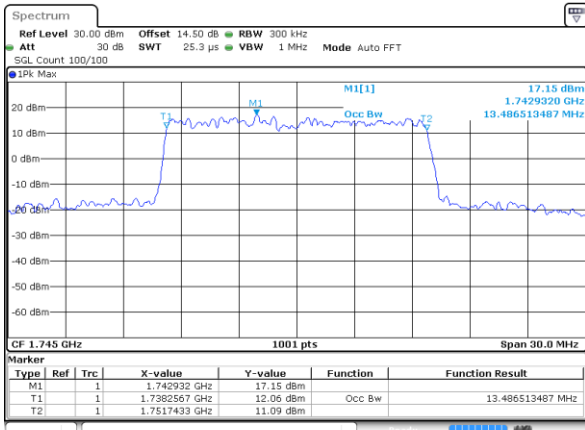
Date: 13 MAY 2024 22:27:14

Middle Channel / 10MHz / 16QAM



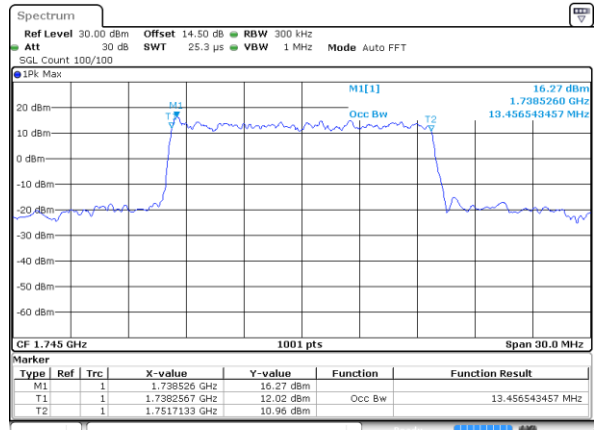
Date: 13 MAY 2024 22:27:54

Middle Channel / 15MHz / QPSK



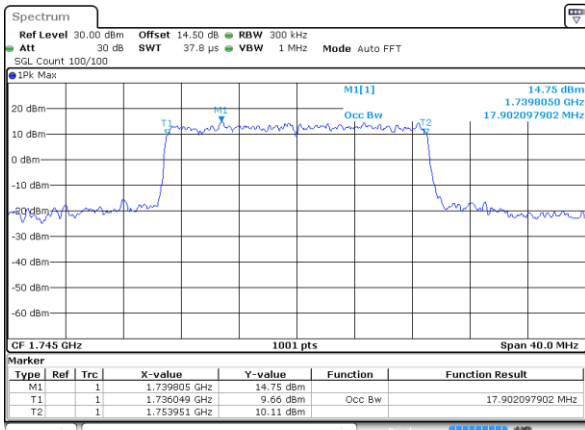
Date: 13 MAY 2024 22:51:35

Middle Channel / 15MHz / 16QAM



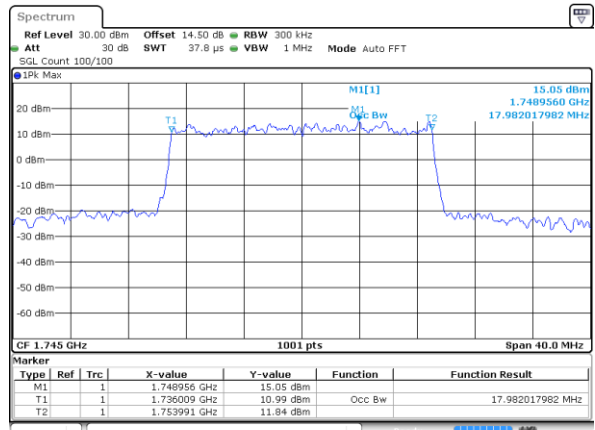
Date: 13 MAY 2024 22:52:15

Middle Channel / 20MHz / QPSK



Date: 13 MAY 2024 23:15:56

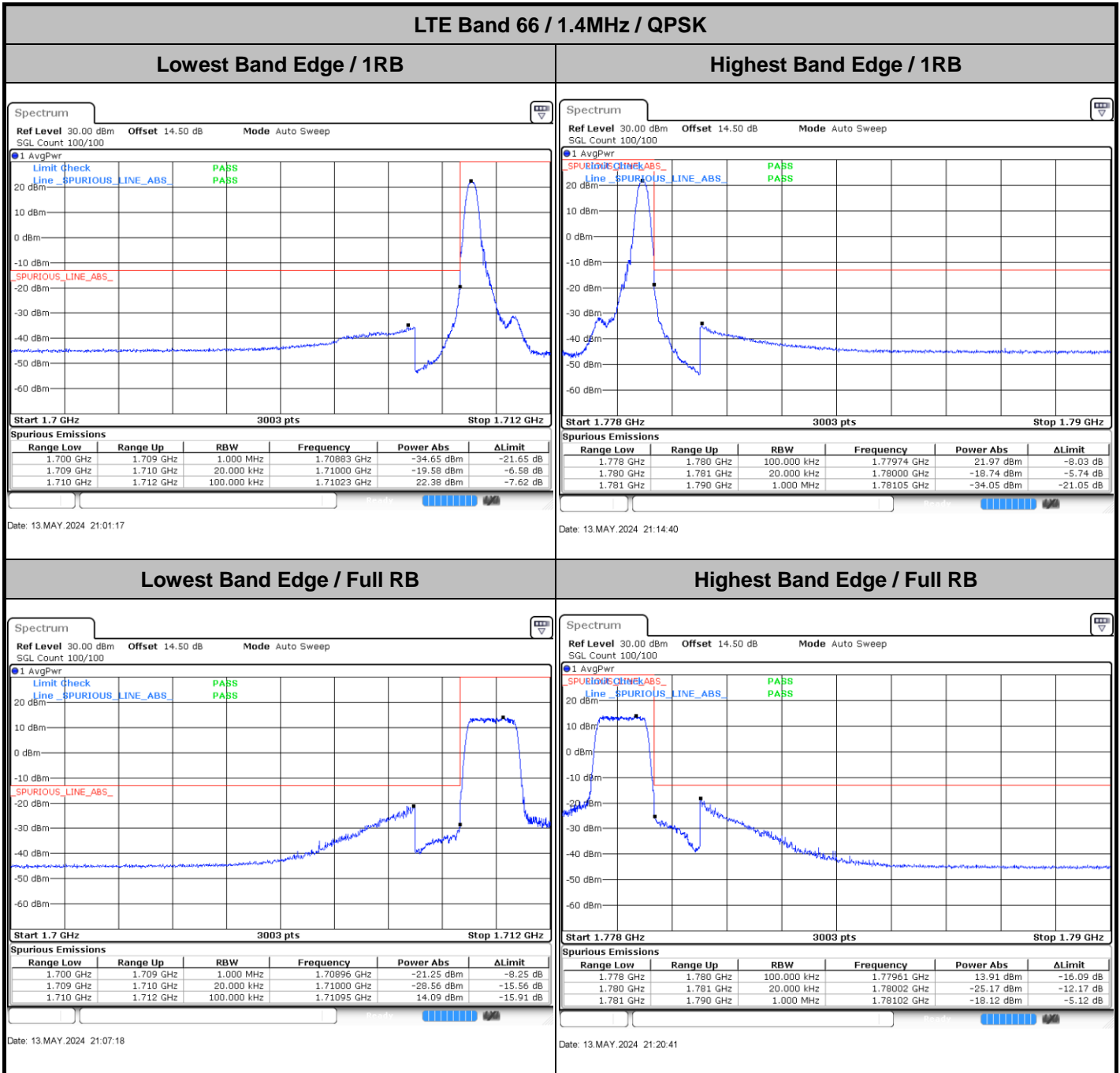
Middle Channel / 20MHz / 16QAM



Date: 13 MAY 2024 23:16:36



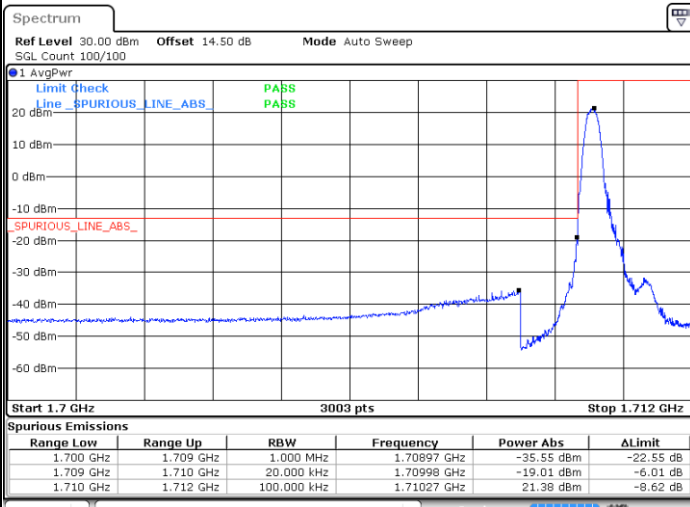
Conducted Band Edge





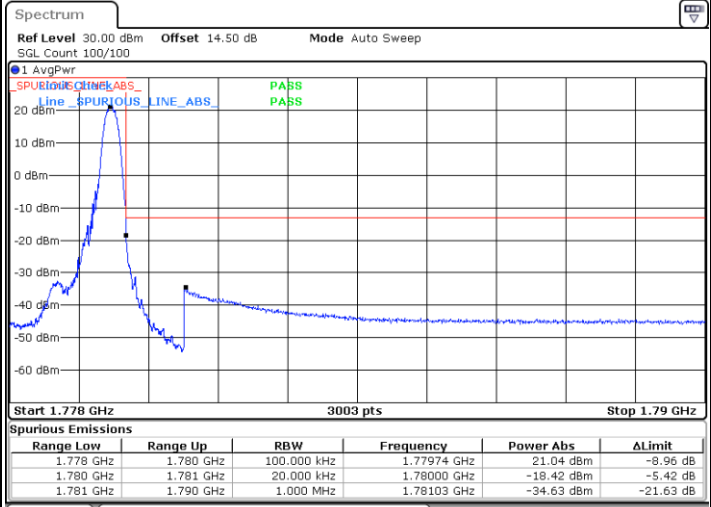
LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



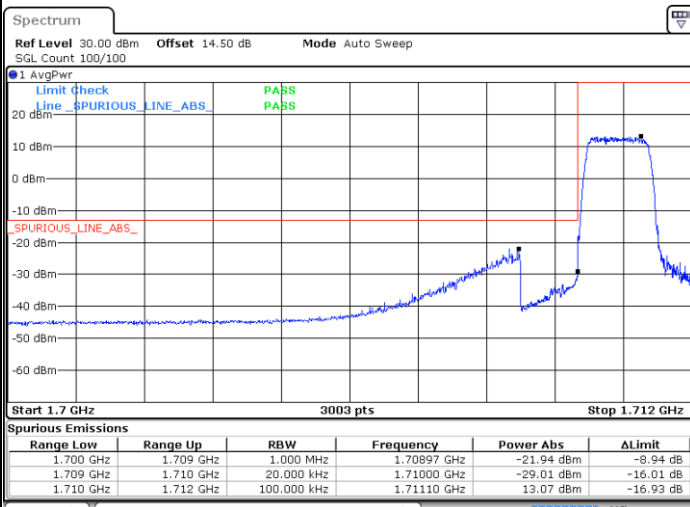
Date: 13 MAY 2024 21:02:42

Highest Band Edge / 1 RB



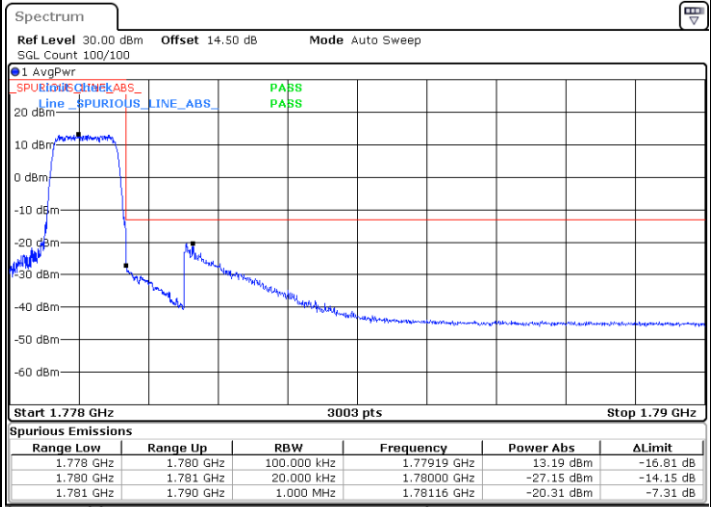
Date: 13 MAY 2024 21:16:05

Lowest Band Edge / Full RB



Date: 13 MAY 2024 21:08:43

Highest Band Edge / Full RB

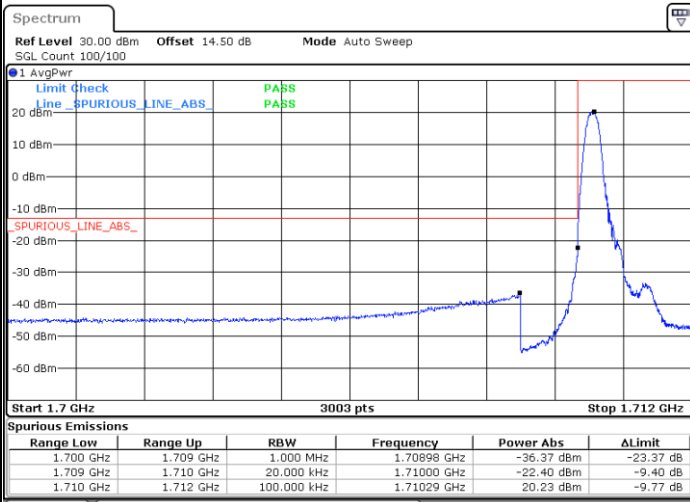


Date: 13 MAY 2024 21:22:06



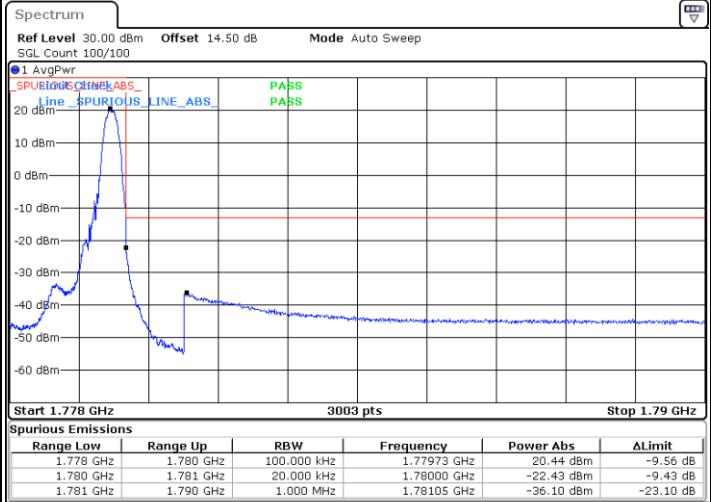
LTE Band 66 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



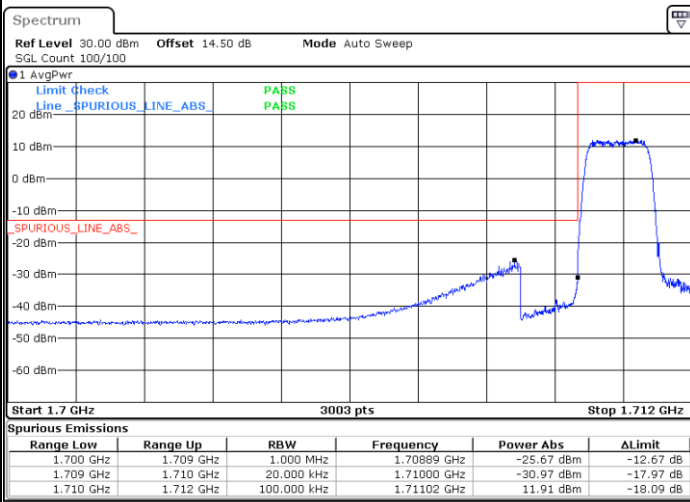
Date: 13 MAY 2024 21:04:08

Highest Band Edge / 1 RB



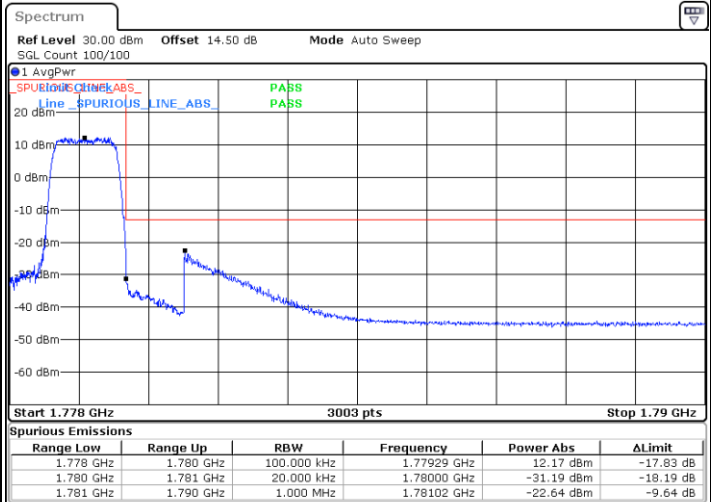
Date: 13 MAY 2024 21:17:30

Lowest Band Edge / Full RB



Date: 13 MAY 2024 21:10:09

Highest Band Edge / Full RB

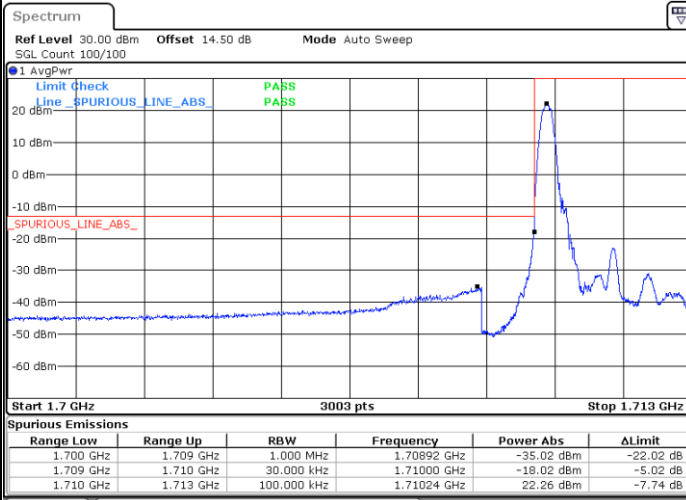


Date: 13 MAY 2024 21:23:32



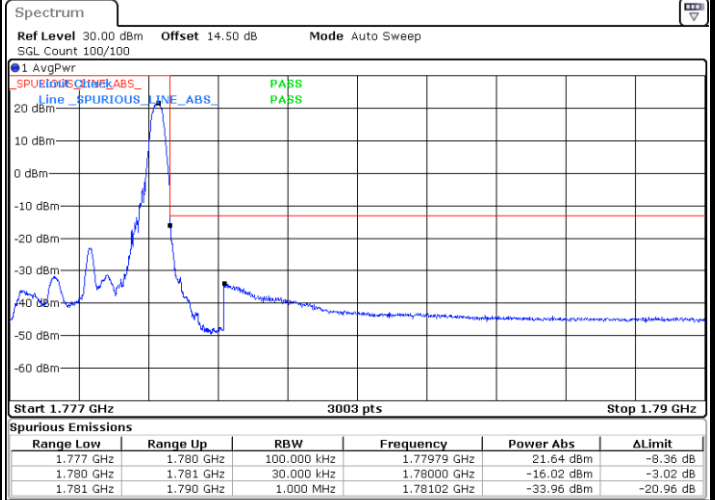
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



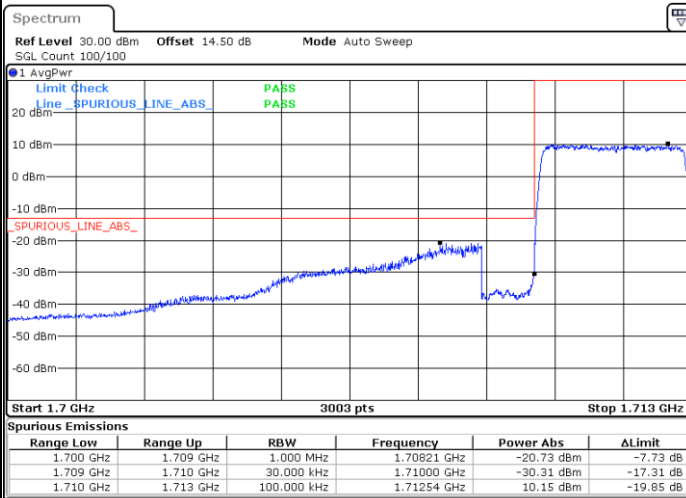
Date: 13 MAY 2024 21:25:40

Highest Band Edge / 1RB



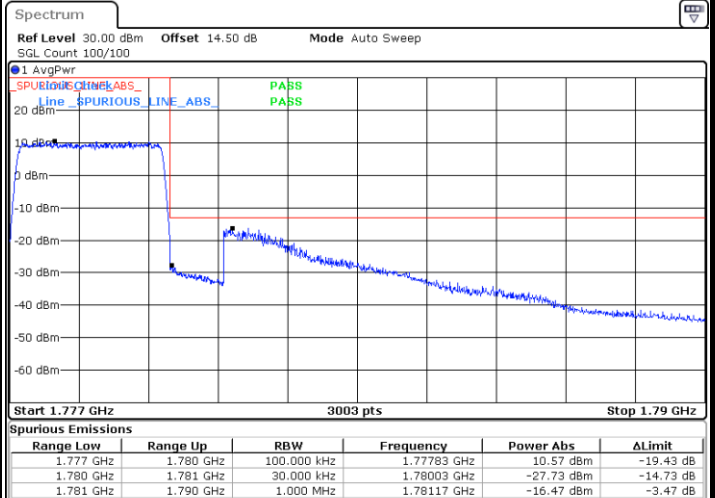
Date: 13 MAY 2024 21:38:02

Lowest Band Edge / Full RB



Date: 13 MAY 2024 21:31:41

Highest Band Edge / Full RB

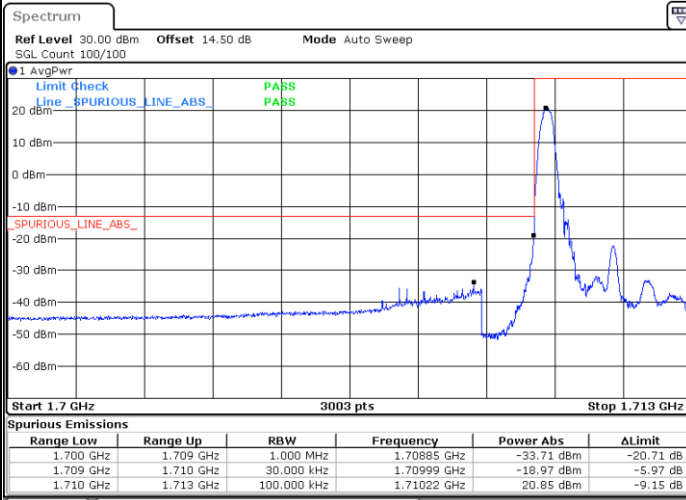


Date: 13 MAY 2024 21:43:18



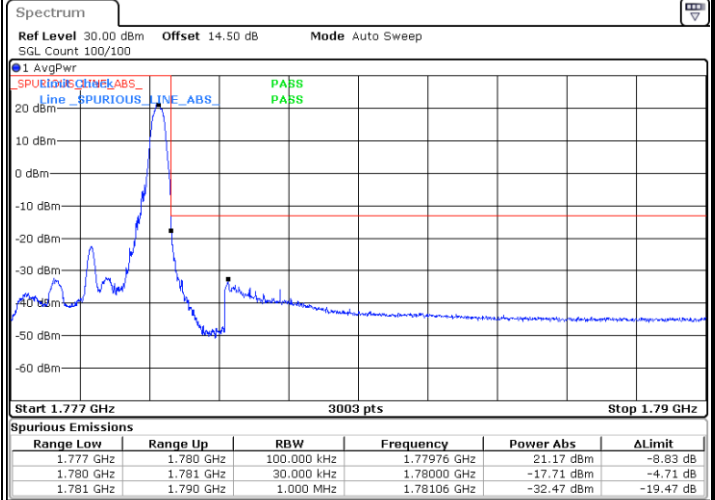
LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



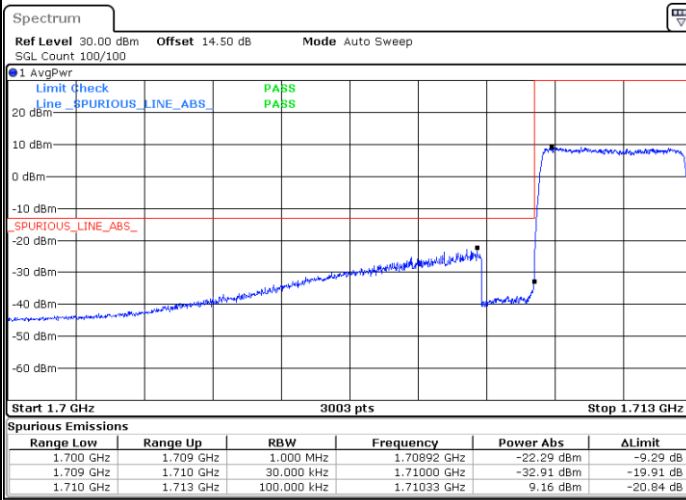
Date: 13 MAY 2024 21:27:05

Highest Band Edge / 1 RB



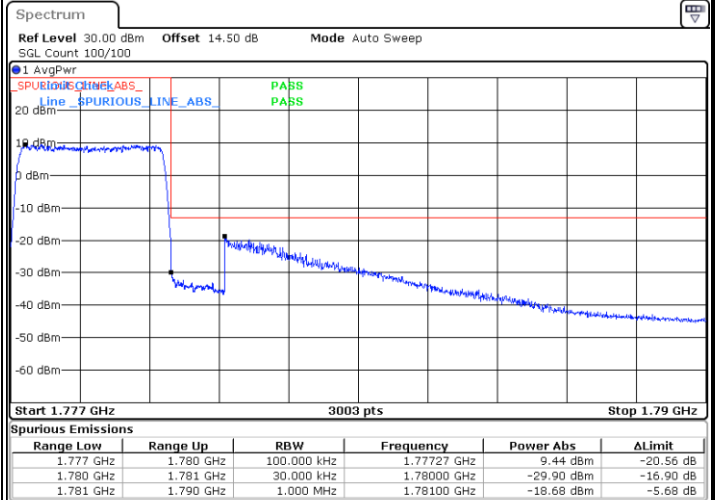
Date: 13 MAY 2024 21:40:27

Lowest Band Edge / Full RB



Date: 13 MAY 2024 21:33:06

Highest Band Edge / Full RB

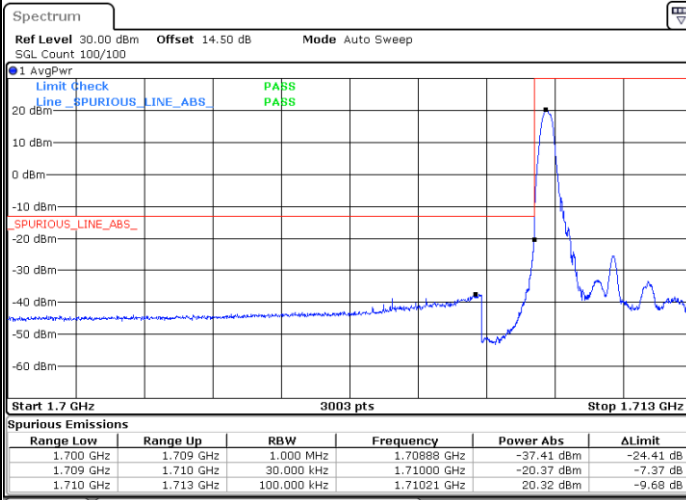


Date: 13 MAY 2024 21:44:43



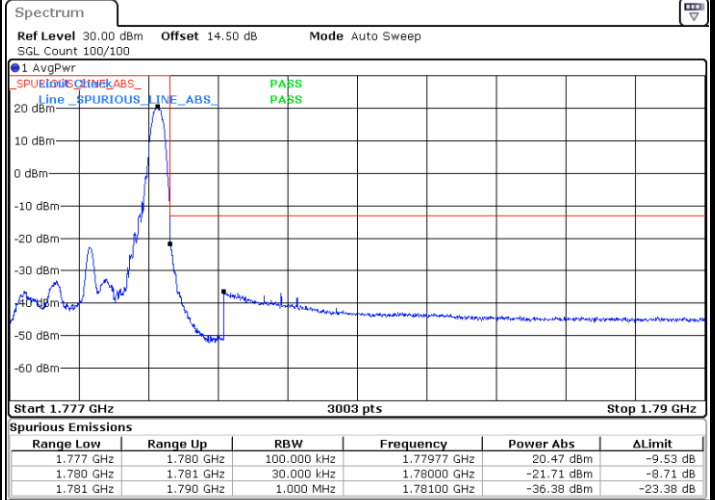
LTE Band 66 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



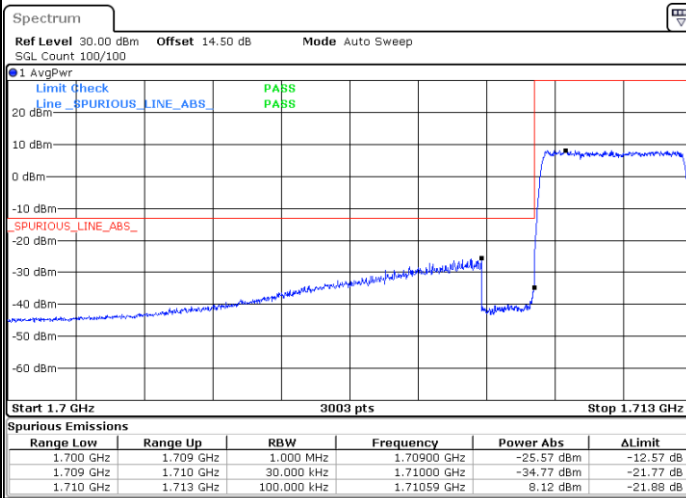
Date: 13 MAY 2024 21:28:31

Highest Band Edge / 1 RB



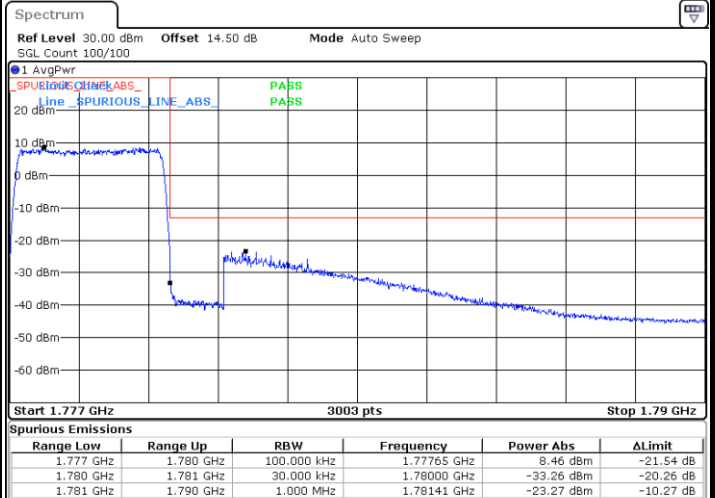
Date: 13 MAY 2024 21:41:53

Lowest Band Edge / Full RB



Date: 13 MAY 2024 21:34:32

Highest Band Edge / Full RB

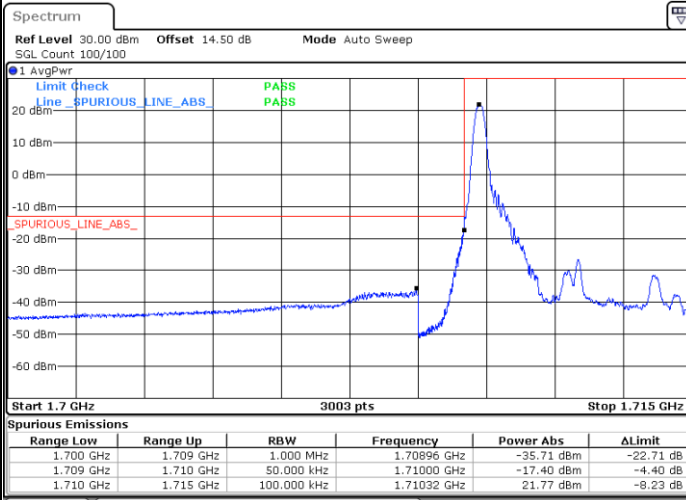


Date: 13 MAY 2024 21:46:09



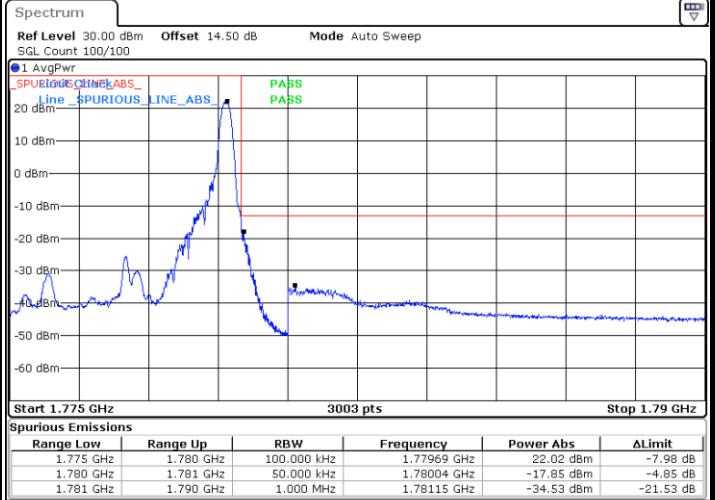
LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / 1RB



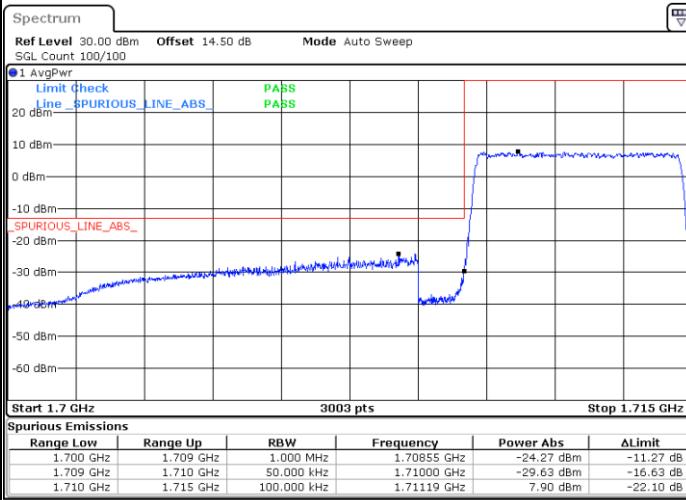
Date: 13 MAY 2024 21:50:02

Highest Band Edge / 1RB



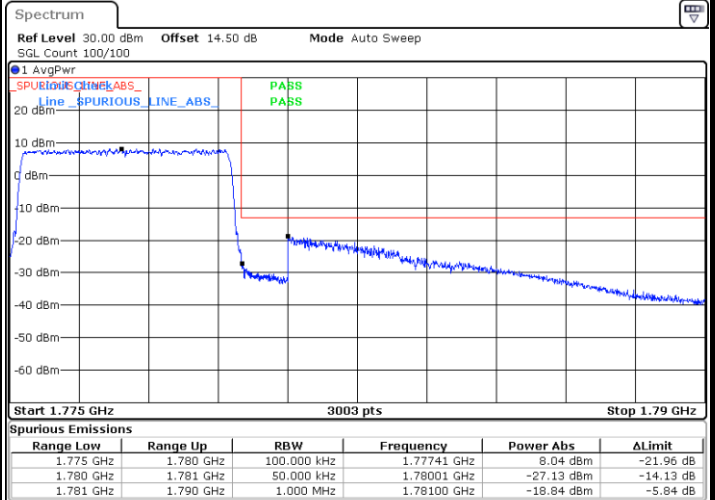
Date: 13 MAY 2024 22:05:12

Lowest Band Edge / Full RB



Date: 13 MAY 2024 21:56:02

Highest Band Edge / Full RB

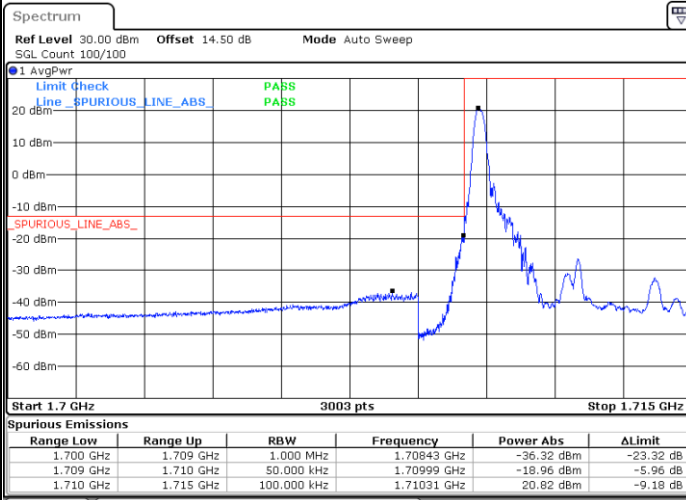


Date: 13 MAY 2024 22:09:28



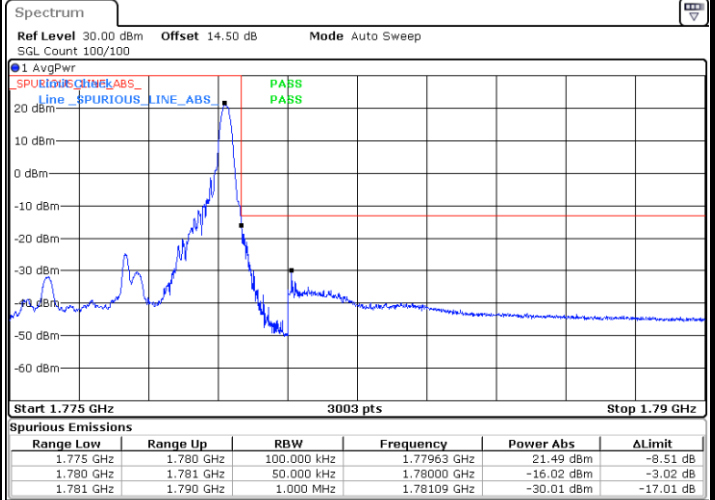
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



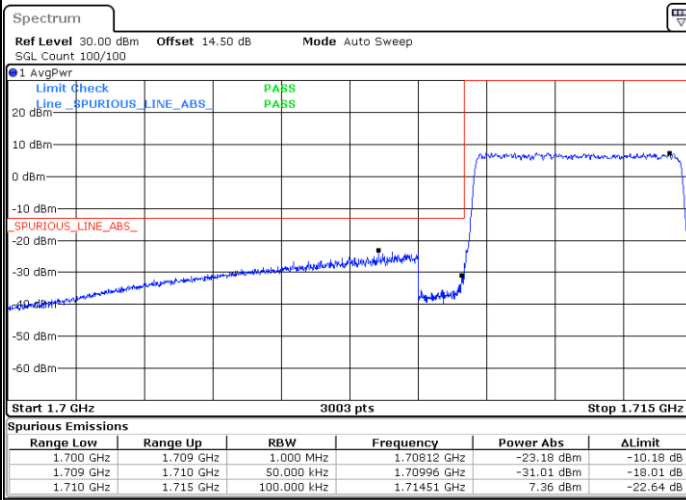
Date: 13 MAY 2024 21:51:27

Highest Band Edge / 1 RB



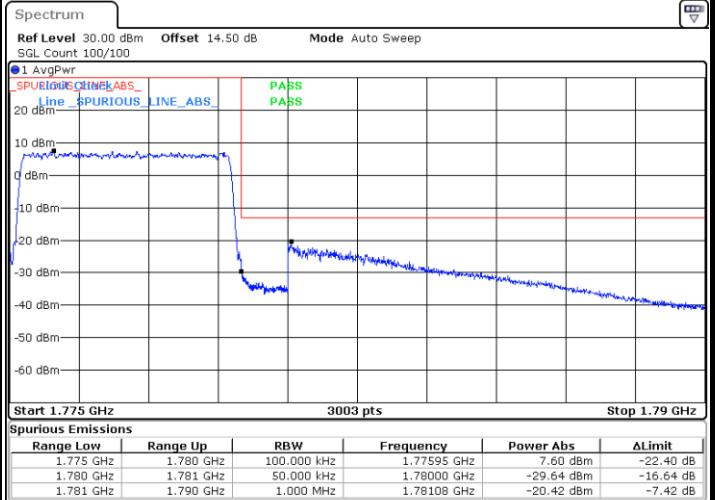
Date: 13 MAY 2024 22:06:37

Lowest Band Edge / Full RB



Date: 13 MAY 2024 21:58:17

Highest Band Edge / Full RB

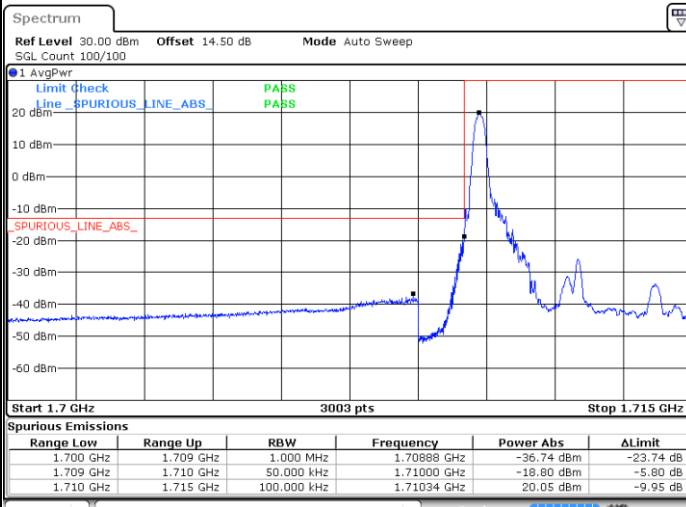


Date: 13 MAY 2024 22:10:53



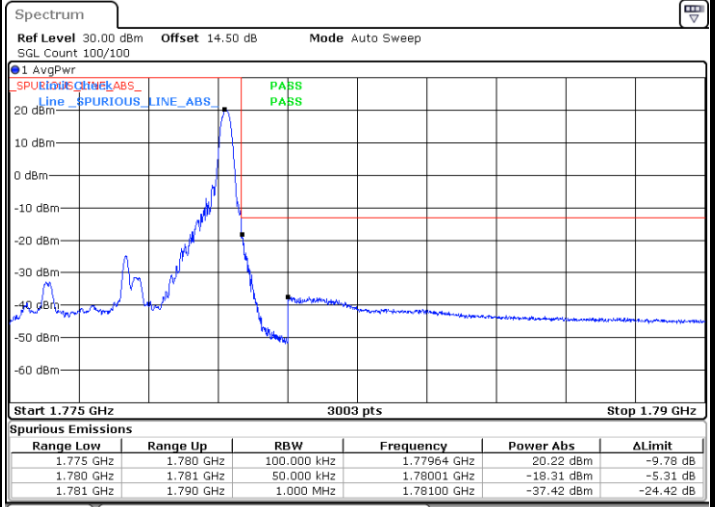
LTE Band 66 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



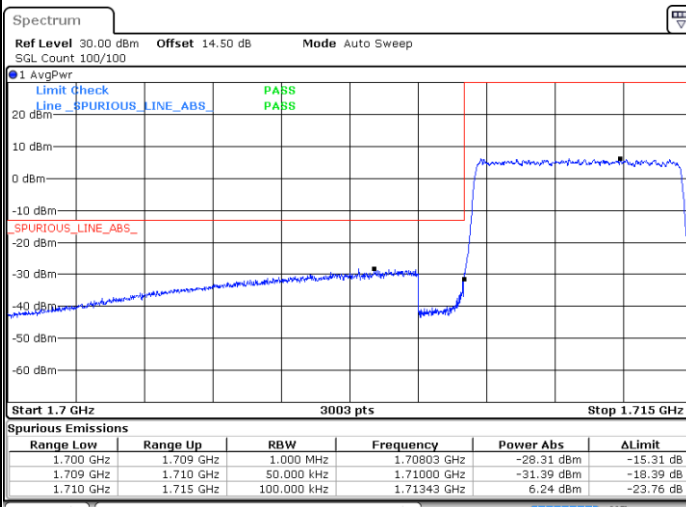
Date: 13 MAY 2024 21:52:52

Highest Band Edge / 1 RB



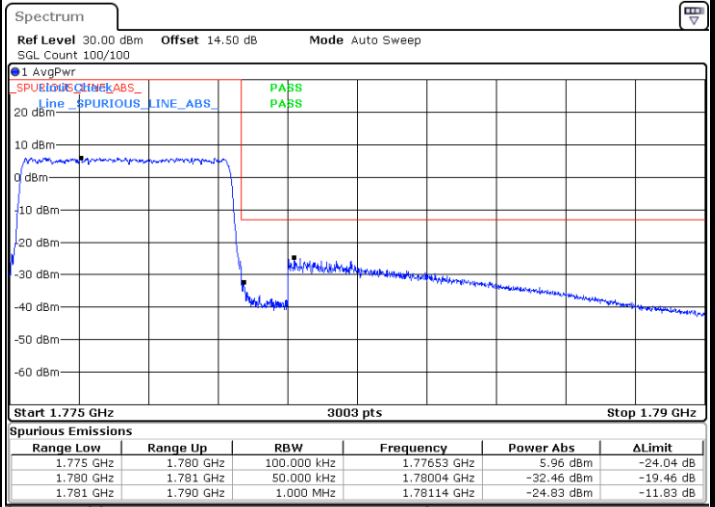
Date: 13 MAY 2024 22:08:02

Lowest Band Edge / Full RB



Date: 13 MAY 2024 22:00:42

Highest Band Edge / Full RB

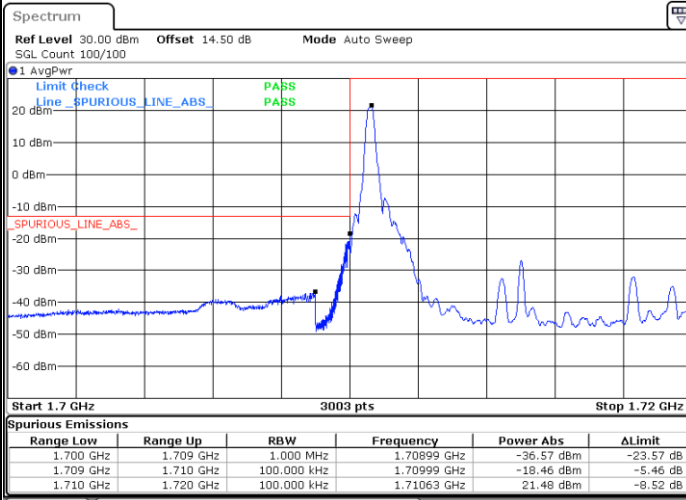


Date: 13 MAY 2024 22:12:19



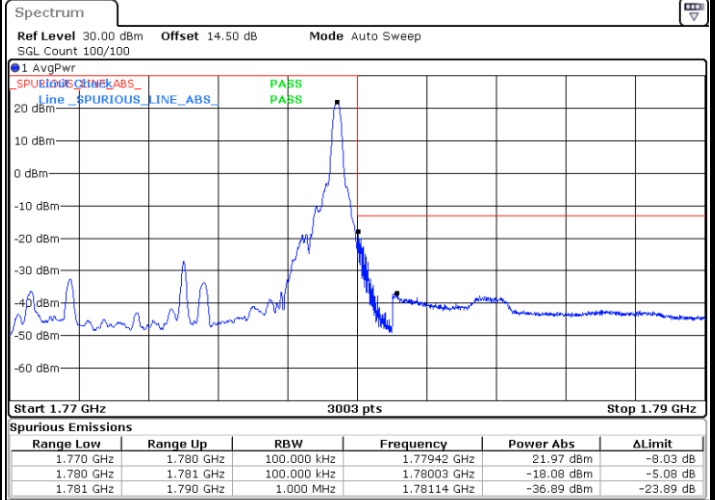
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1RB



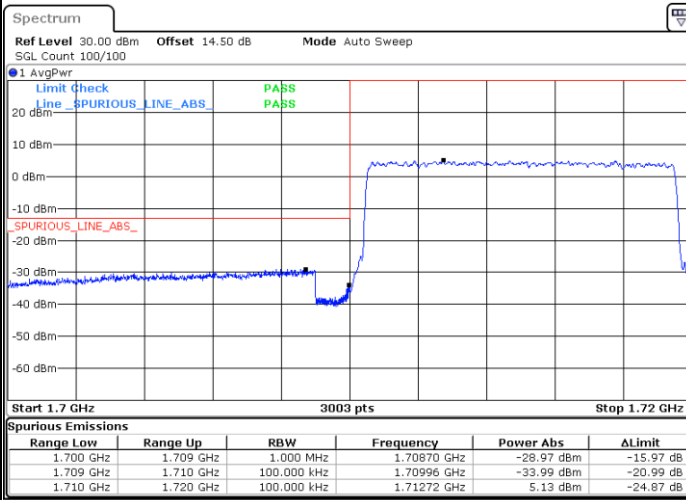
Date: 13 MAY 2024 22:16:12

Highest Band Edge / 1RB



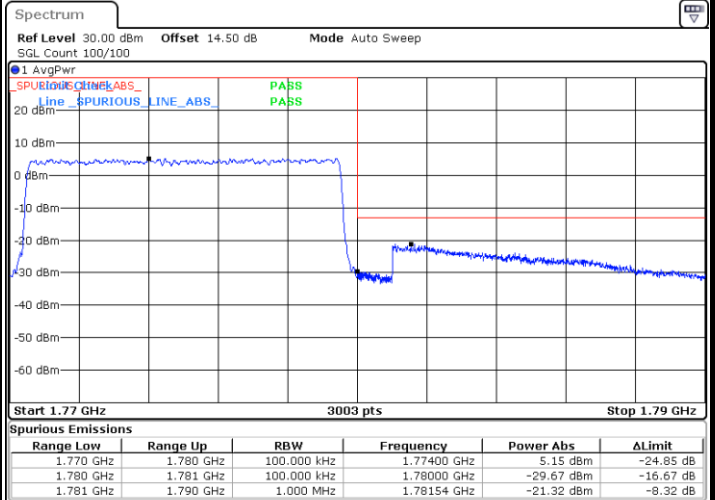
Date: 13 MAY 2024 22:29:33

Lowest Band Edge / Full RB



Date: 13 MAY 2024 22:20:28

Highest Band Edge / Full RB

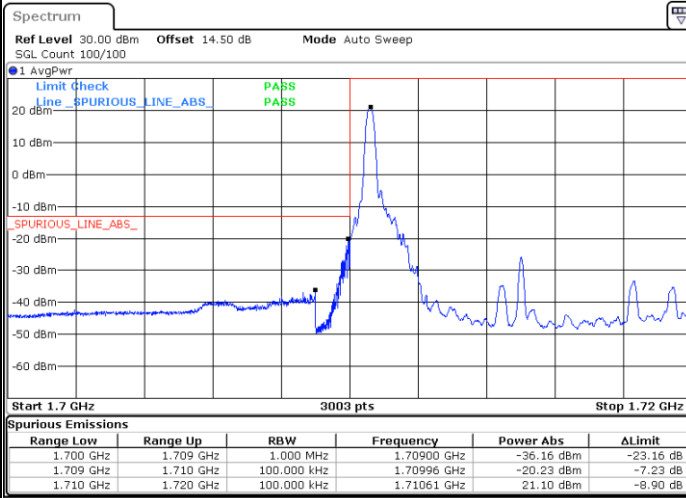


Date: 13 MAY 2024 22:33:49



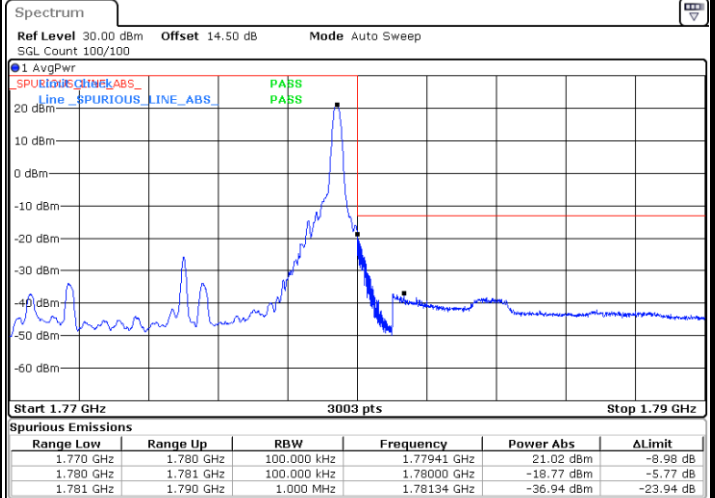
LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



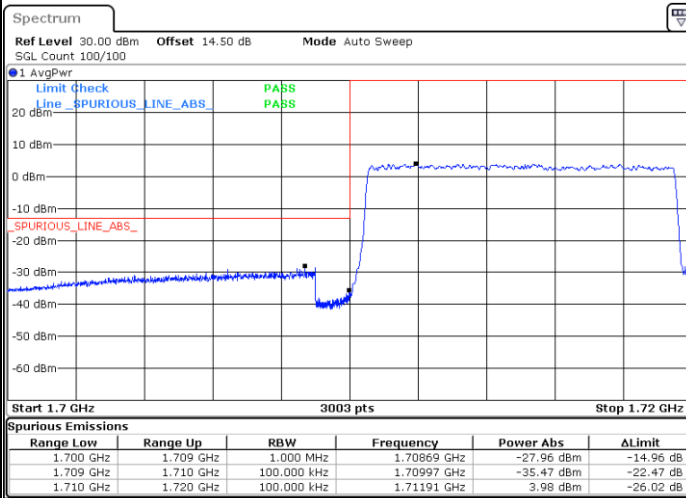
Date: 13 MAY 2024 22:17:37

Highest Band Edge / 1 RB



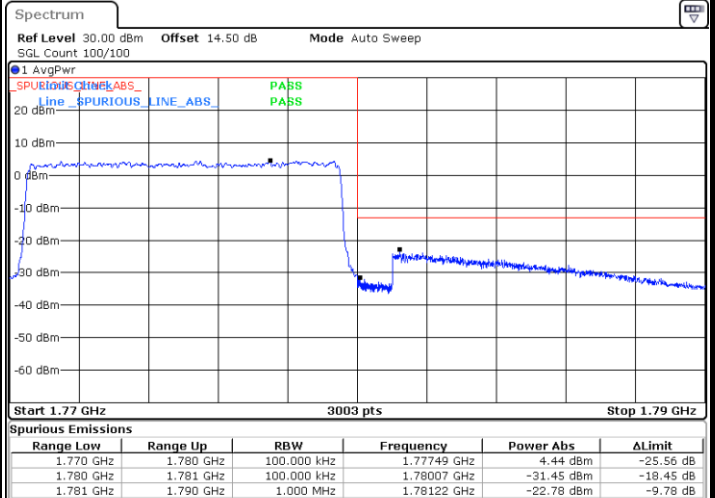
Date: 13 MAY 2024 22:30:58

Lowest Band Edge / Full RB



Date: 13 MAY 2024 22:21:53

Highest Band Edge / Full RB

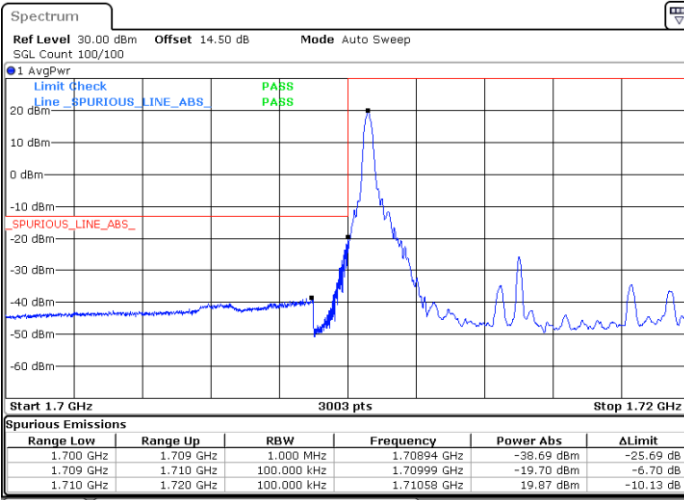


Date: 13 MAY 2024 22:35:14



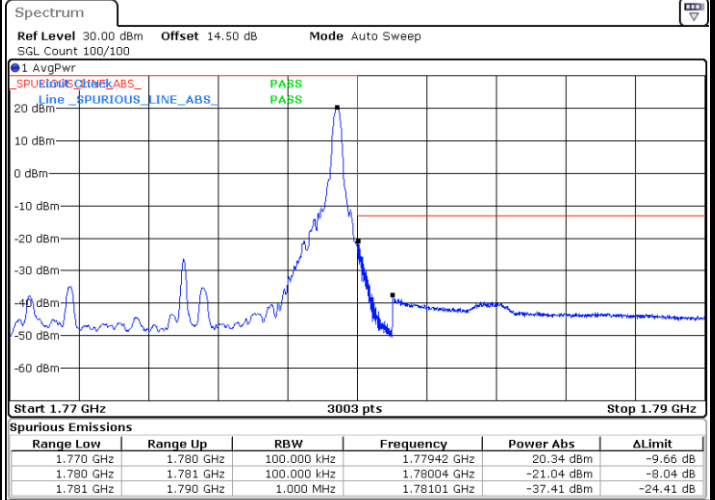
LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



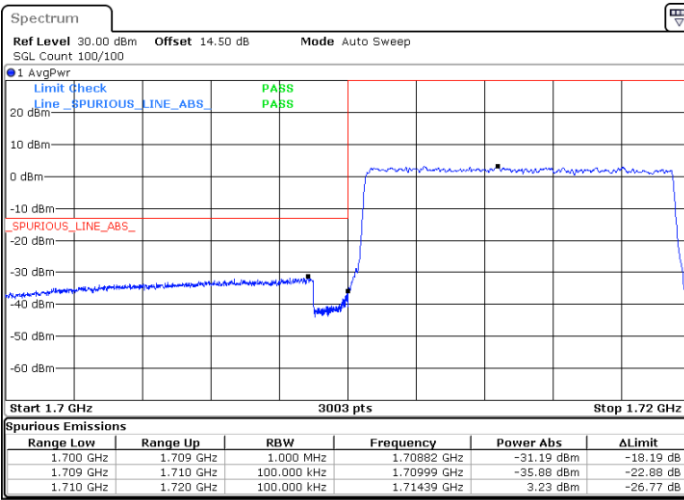
Date: 13 MAY 2024 22:19:02

Highest Band Edge / 1 RB



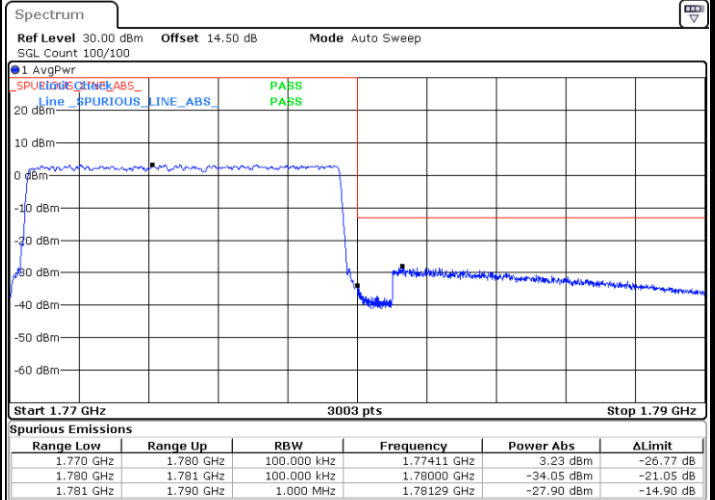
Date: 13 MAY 2024 22:32:23

Lowest Band Edge / Full RB



Date: 13 MAY 2024 22:23:18

Highest Band Edge / Full RB

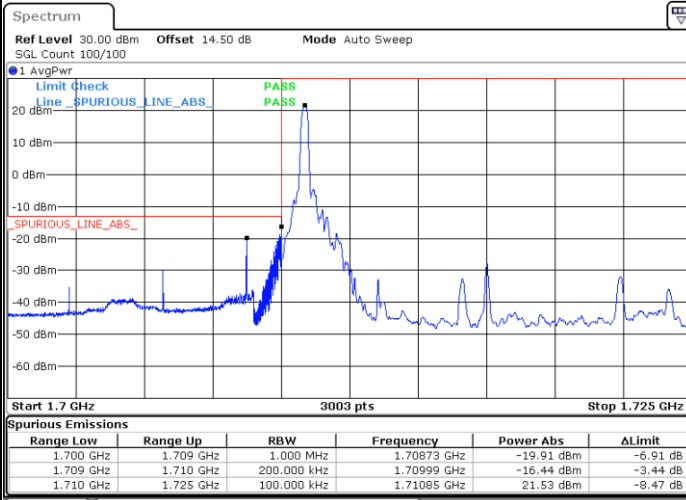


Date: 13 MAY 2024 22:36:39



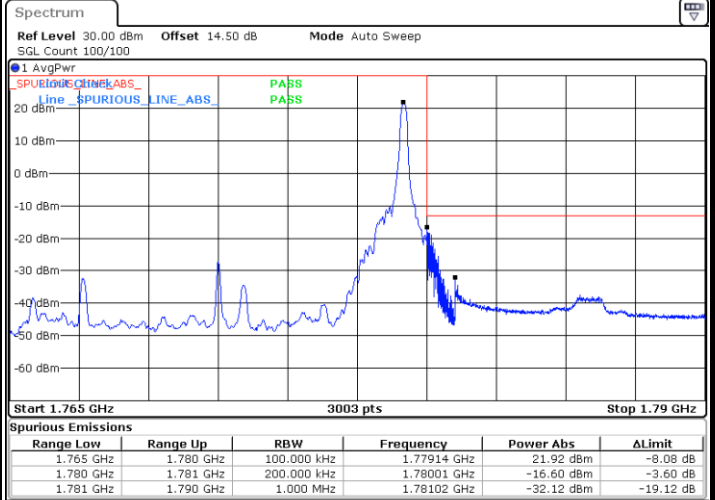
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1RB



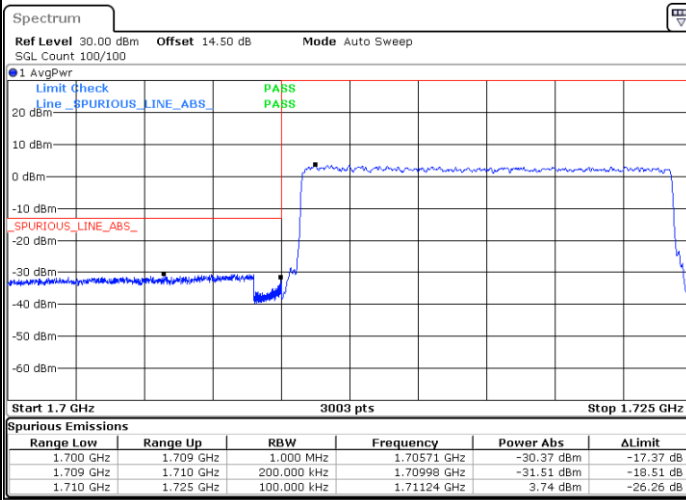
Date: 13 MAY 2024 22:40:32

Highest Band Edge / 1RB



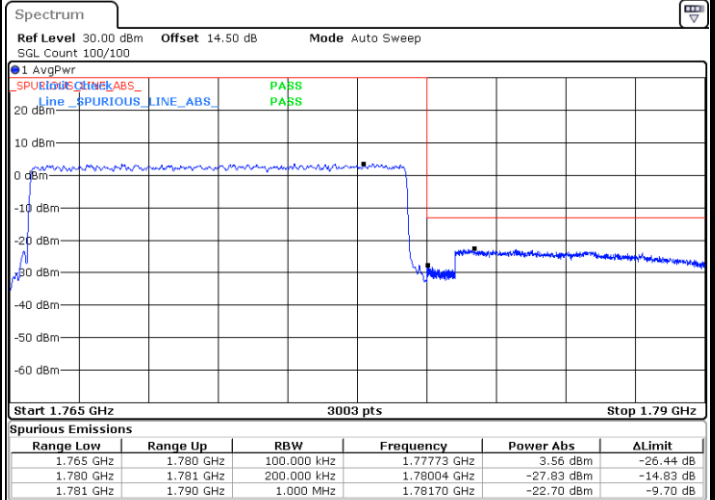
Date: 13 MAY 2024 22:53:54

Lowest Band Edge / Full RB



Date: 13 MAY 2024 22:44:48

Highest Band Edge / Full RB

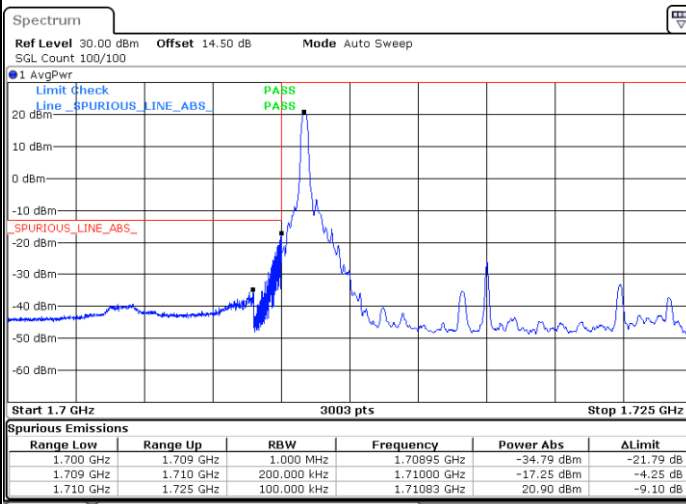


Date: 13 MAY 2024 22:58:10



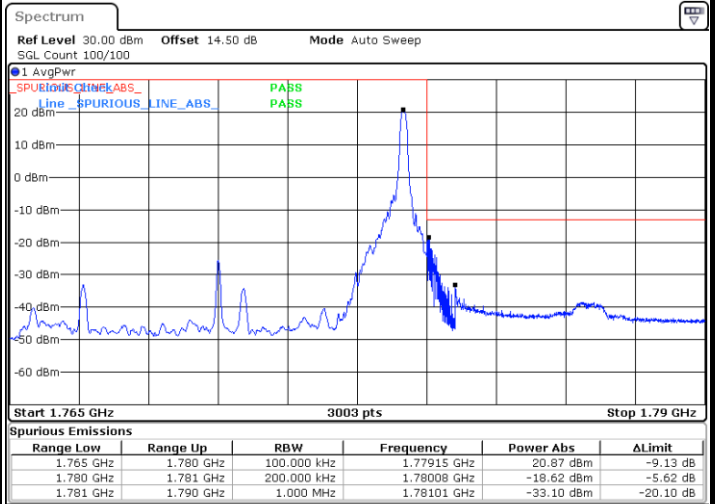
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



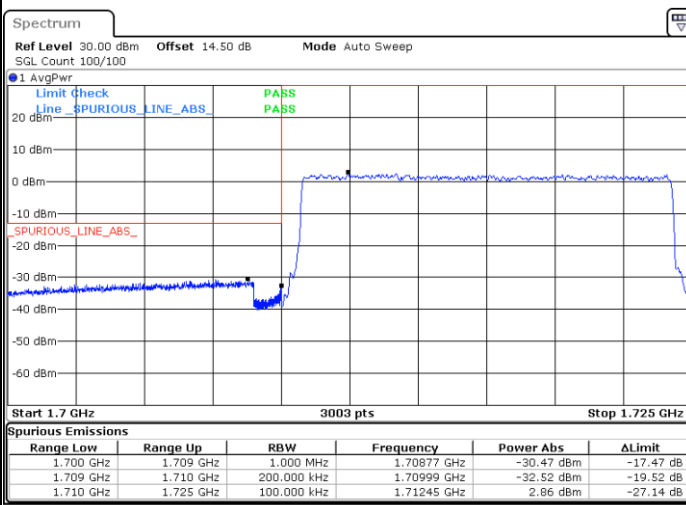
Date: 13 MAY 2024 22:41:57

Highest Band Edge / 1 RB



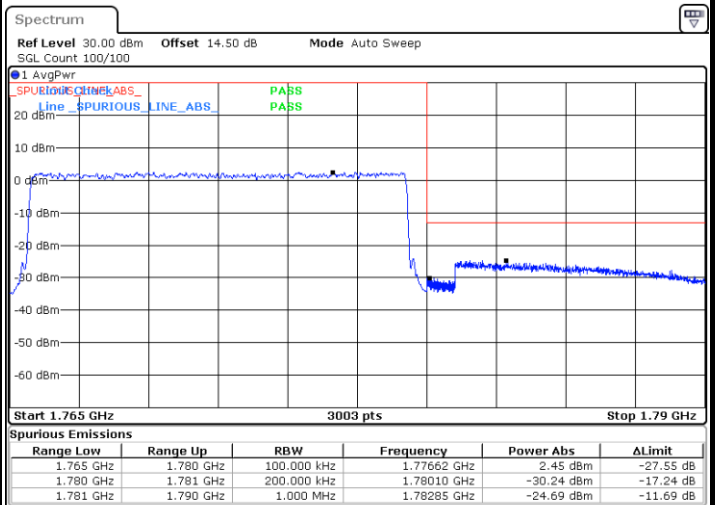
Date: 13 MAY 2024 22:55:19

Lowest Band Edge / Full RB



Date: 13 MAY 2024 22:46:14

Highest Band Edge / Full RB

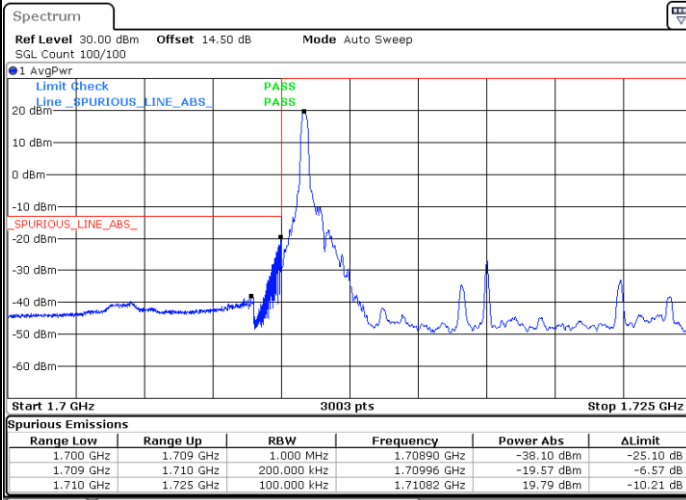


Date: 13 MAY 2024 22:59:35



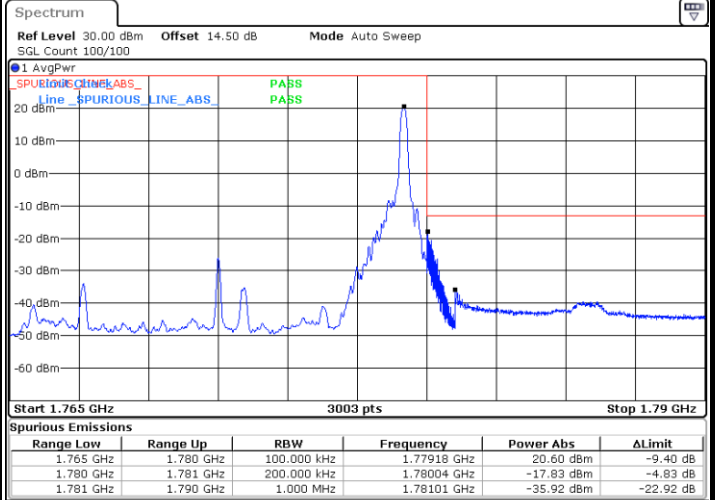
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



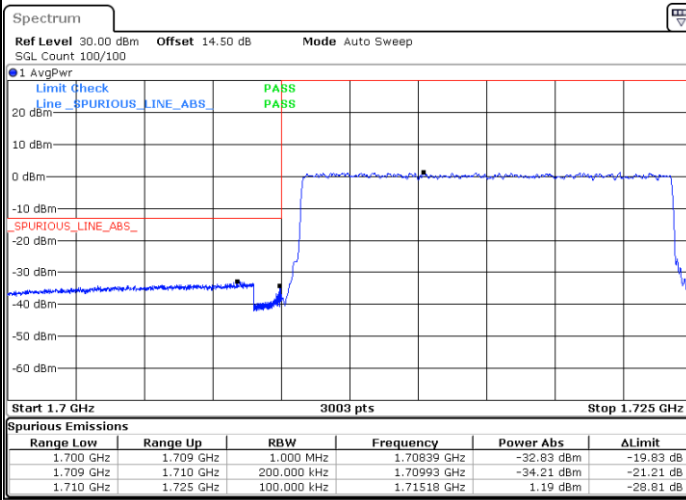
Date: 13 MAY 2024 22:43:23

Highest Band Edge / 1 RB



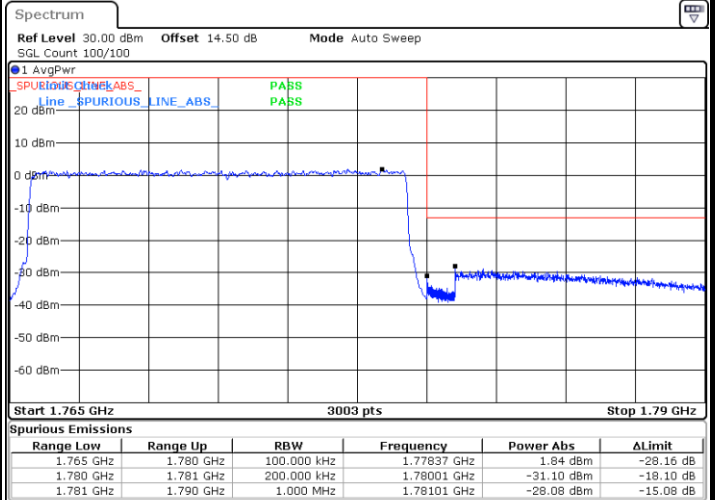
Date: 13 MAY 2024 22:56:44

Lowest Band Edge / Full RB



Date: 13 MAY 2024 22:47:39

Highest Band Edge / Full RB

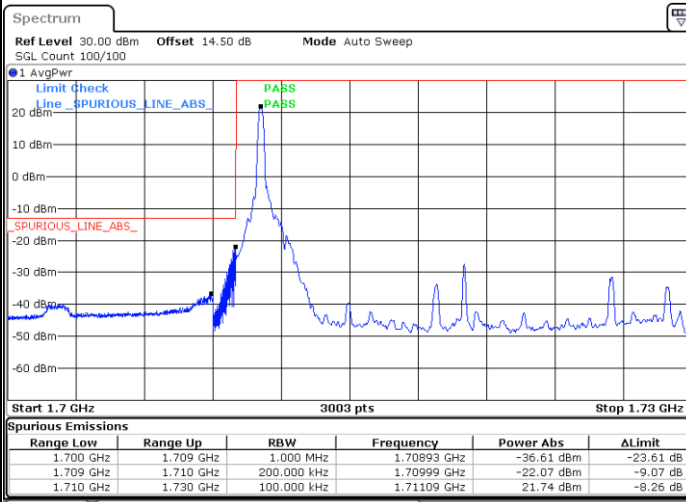


Date: 13 MAY 2024 23:01:00



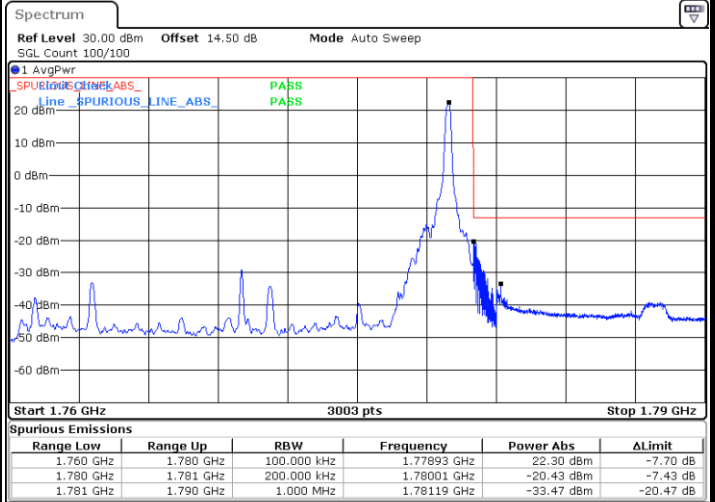
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1RB



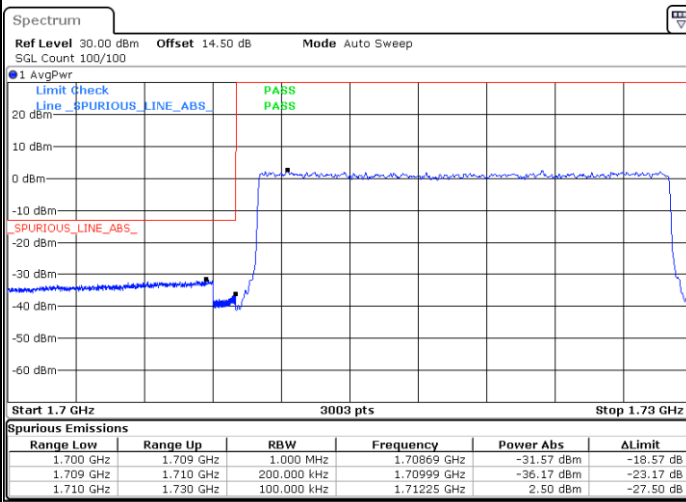
Date: 13 MAY 2024 23:04:53

Highest Band Edge / 1RB



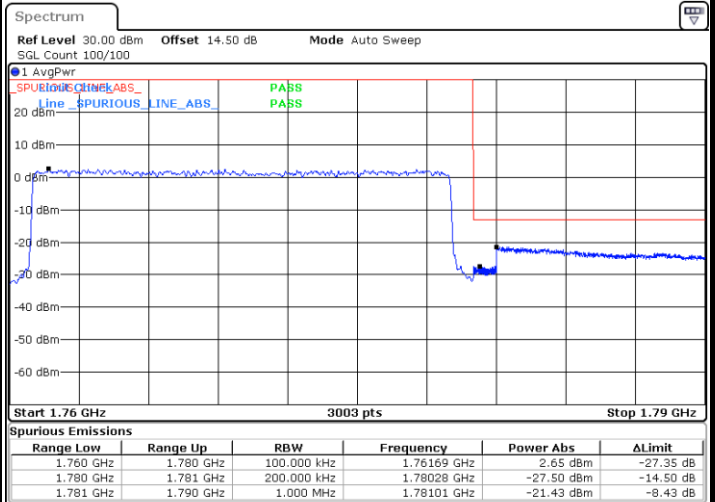
Date: 13 MAY 2024 23:19:36

Lowest Band Edge / Full RB



Date: 13 MAY 2024 23:09:09

Highest Band Edge / Full RB

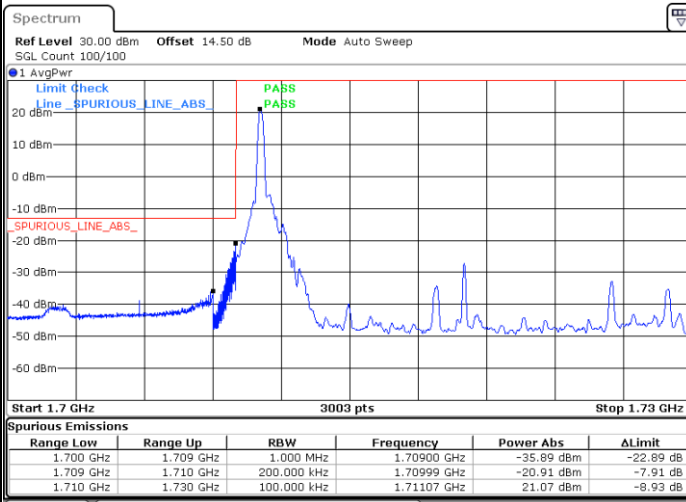


Date: 13 MAY 2024 23:23:52



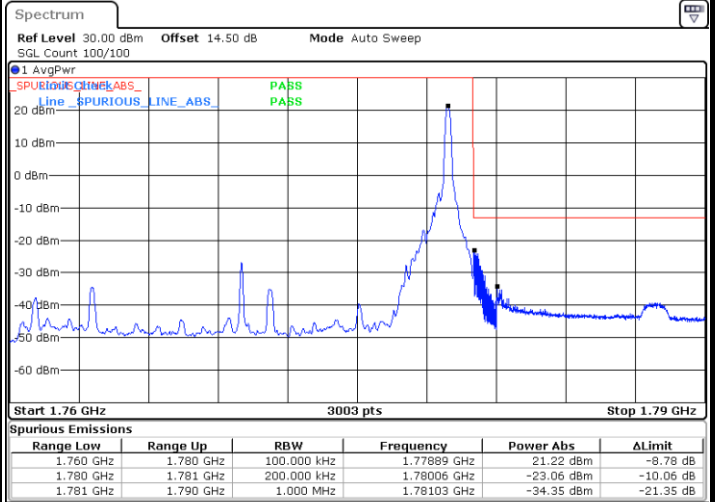
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



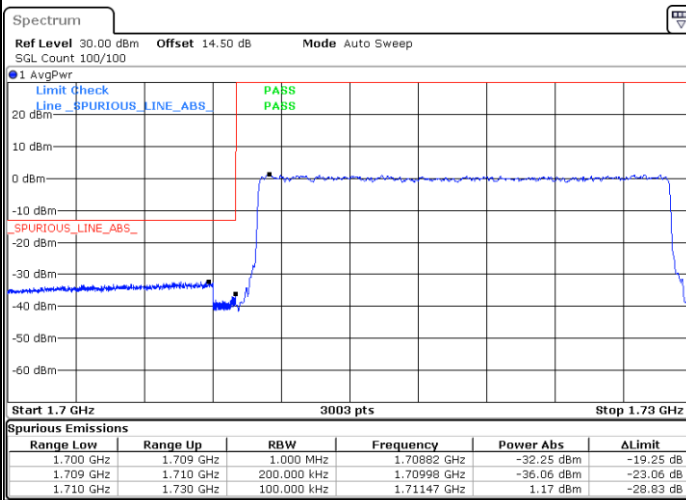
Date: 13 MAY 2024 23:06:18

Highest Band Edge / 1 RB



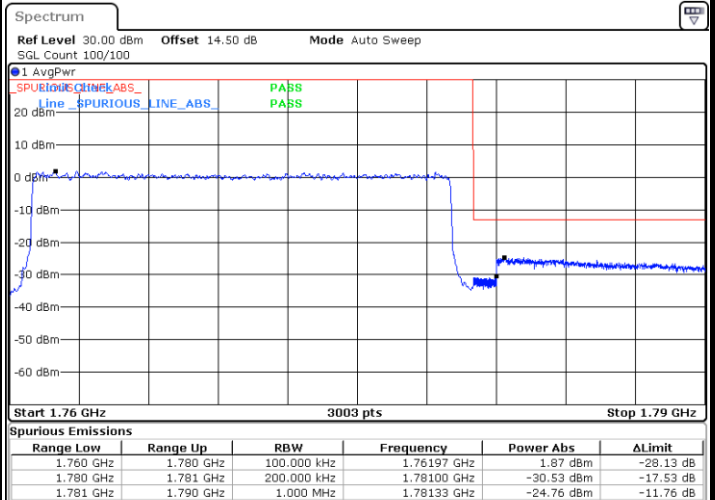
Date: 13 MAY 2024 23:21:01

Lowest Band Edge / Full RB



Date: 13 MAY 2024 23:10:35

Highest Band Edge / Full RB

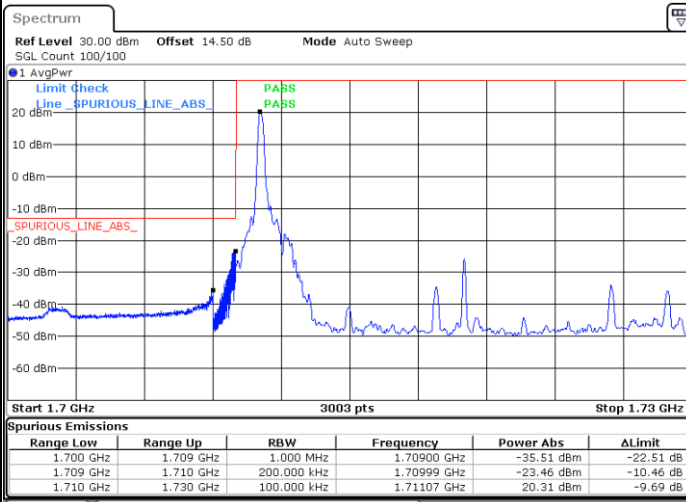


Date: 13 MAY 2024 23:25:18



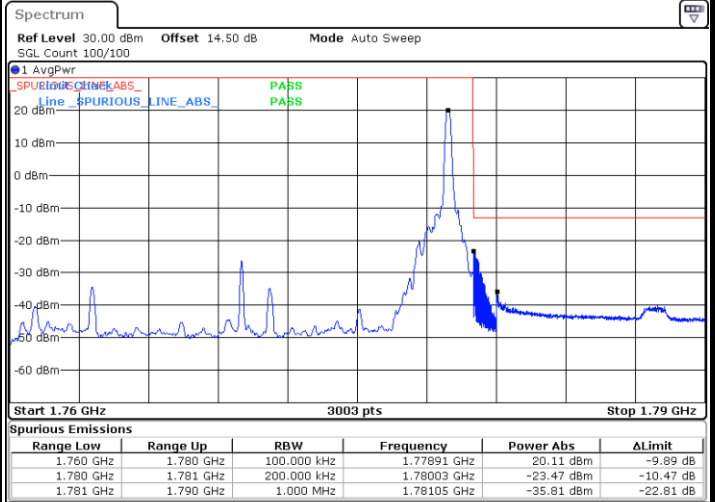
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



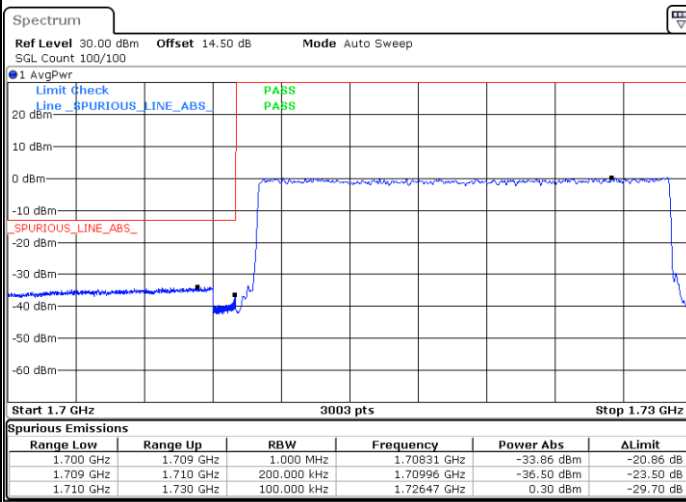
Date: 13 MAY 2024 23:07:44

Highest Band Edge / 1 RB



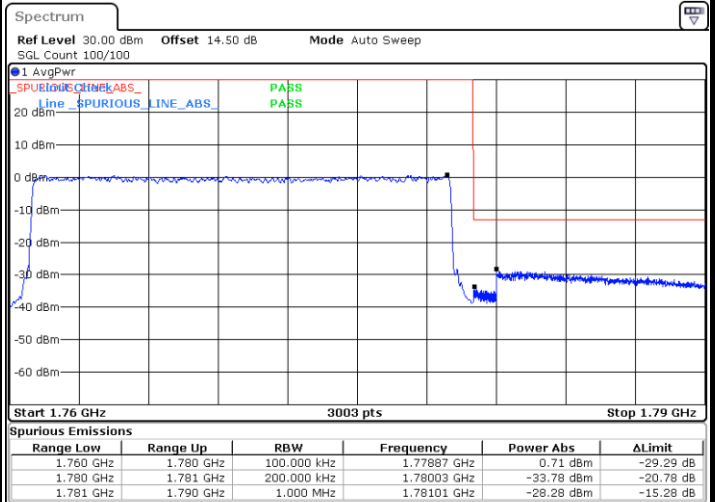
Date: 13 MAY 2024 23:22:27

Lowest Band Edge / Full RB



Date: 13 MAY 2024 23:12:00

Highest Band Edge / Full RB



Date: 13 MAY 2024 23:26:43

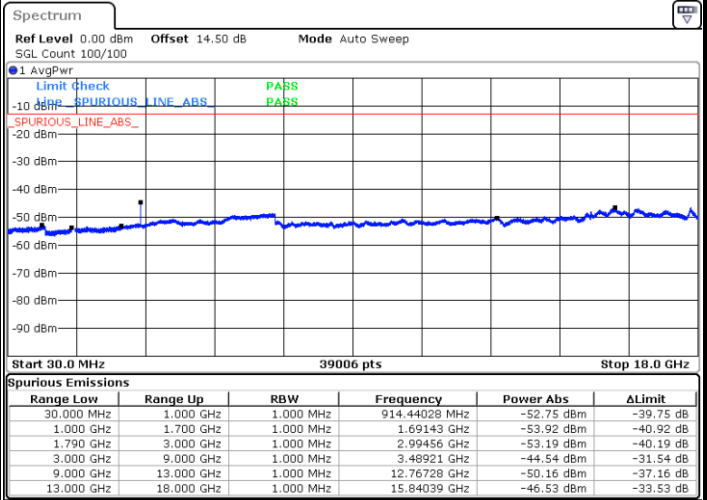
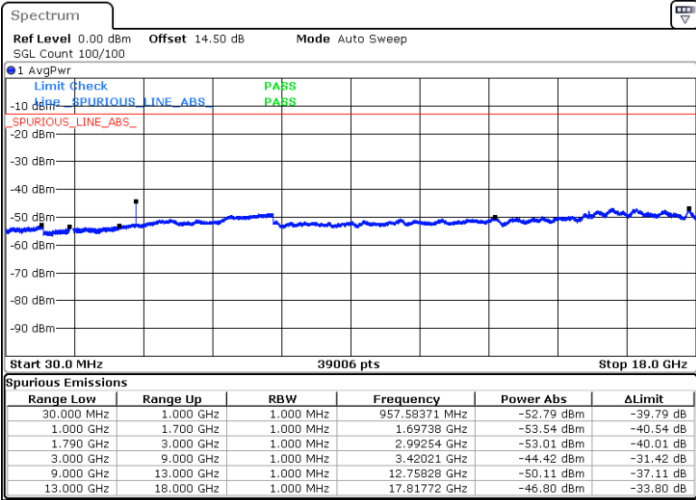


Conducted Spurious Emission

LTE Band 66 / 1.4MHz

Lowest Channel / QPSK

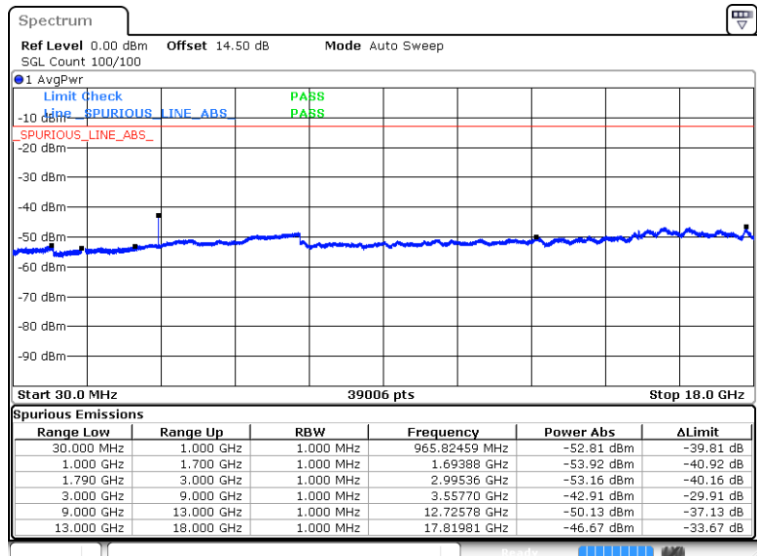
Middle Channel / QPSK



Date: 13.MAY.2024 21:05:53

Date: 13.MAY.2024 21:11:54

Highest Channel / QPSK



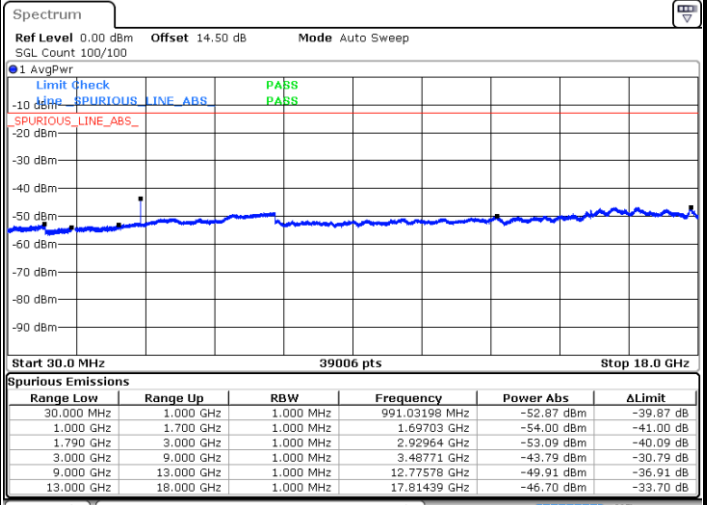
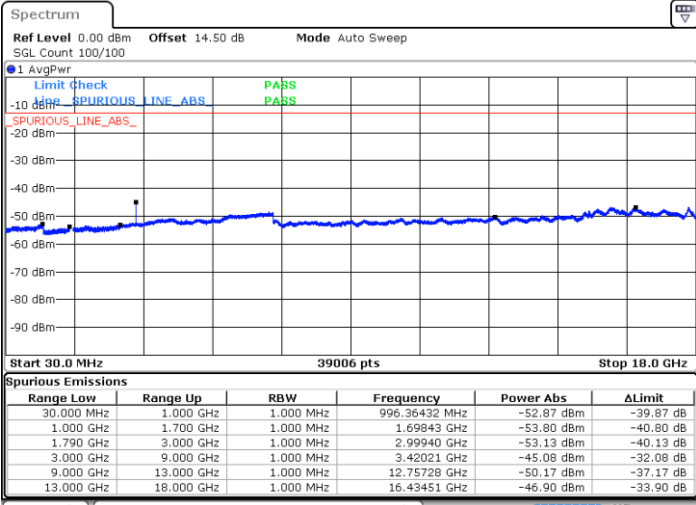
Date: 13.MAY.2024 21:19:15



LTE Band 66 / 3MHz

Lowest Channel / QPSK

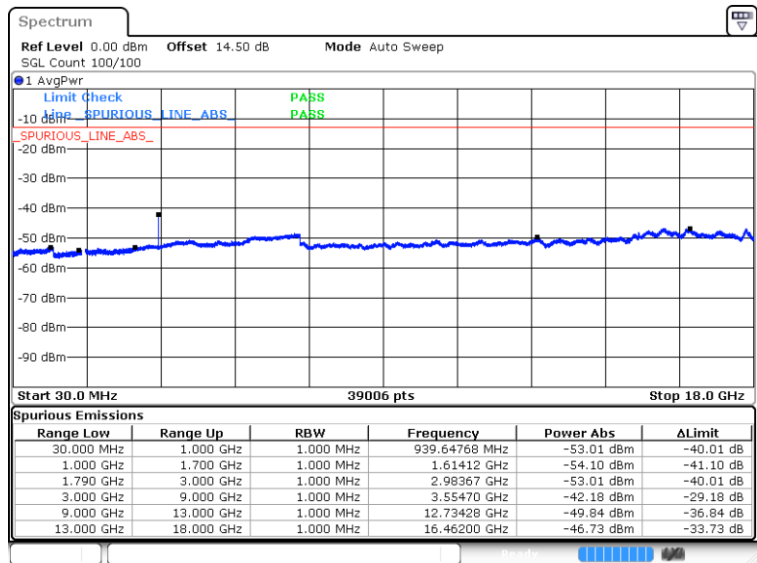
Middle Channel / QPSK



Date: 13.MAY.2024 21:30:16

Date: 13.MAY.2024 21:36:17

Highest Channel / QPSK



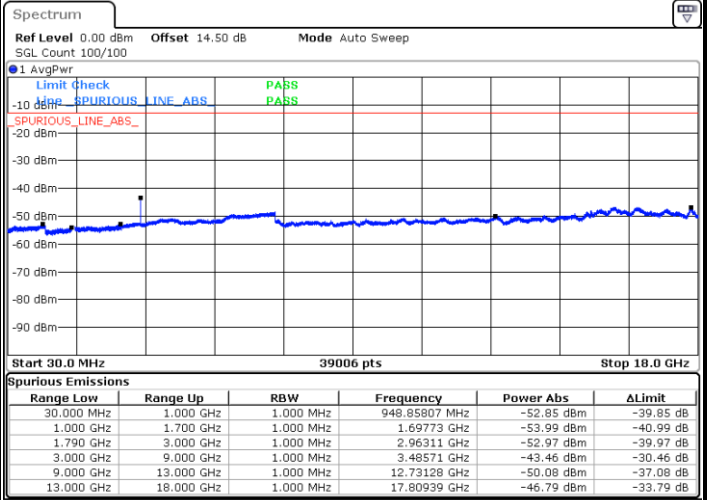
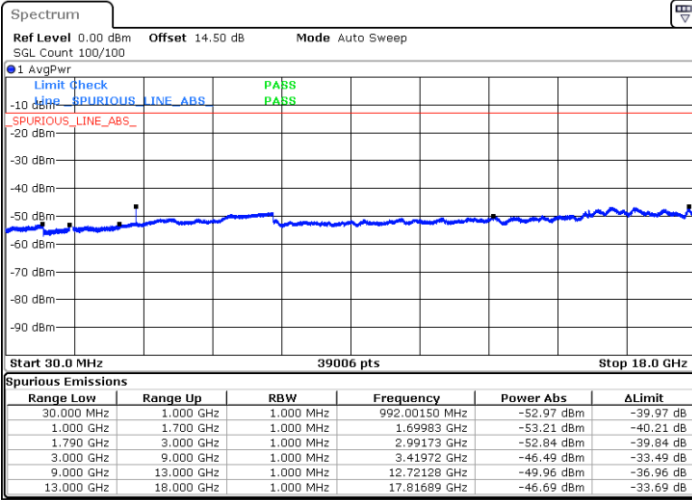
Date: 13.MAY.2024 21:47:54



LTE Band 66 / 5MHz

Lowest Channel / QPSK

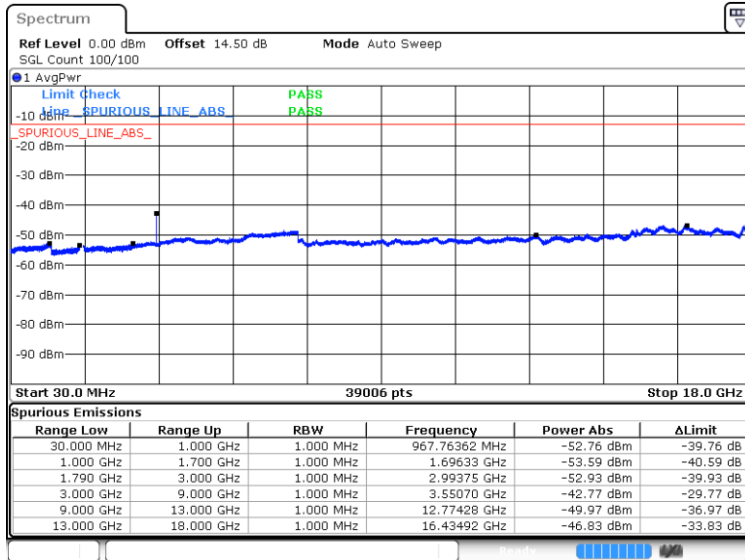
Middle Channel / QPSK



Date: 13.MAY.2024 21:54:37

Date: 13.MAY.2024 22:02:27

Highest Channel / QPSK



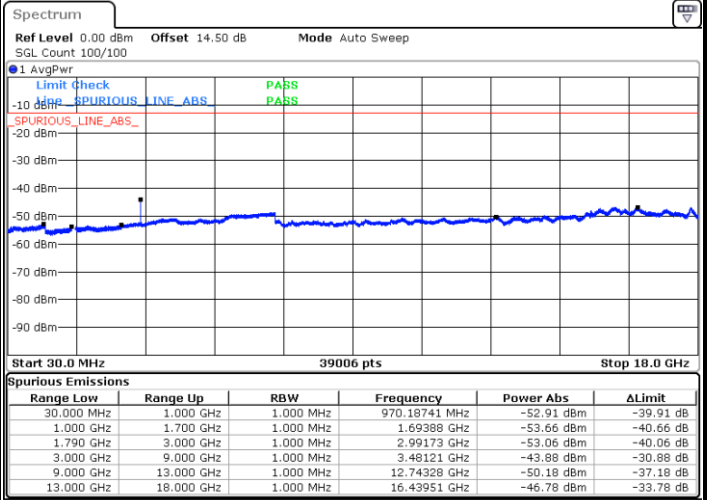
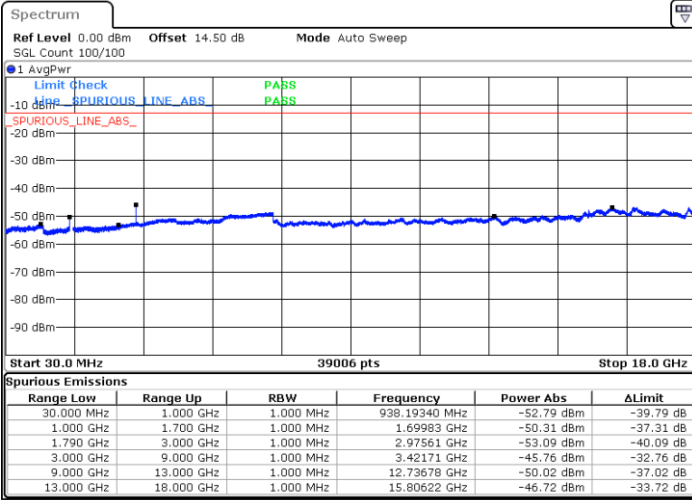
Date: 13.MAY.2024 22:14:03



LTE Band 66 / 10MHz

Lowest Channel / QPSK

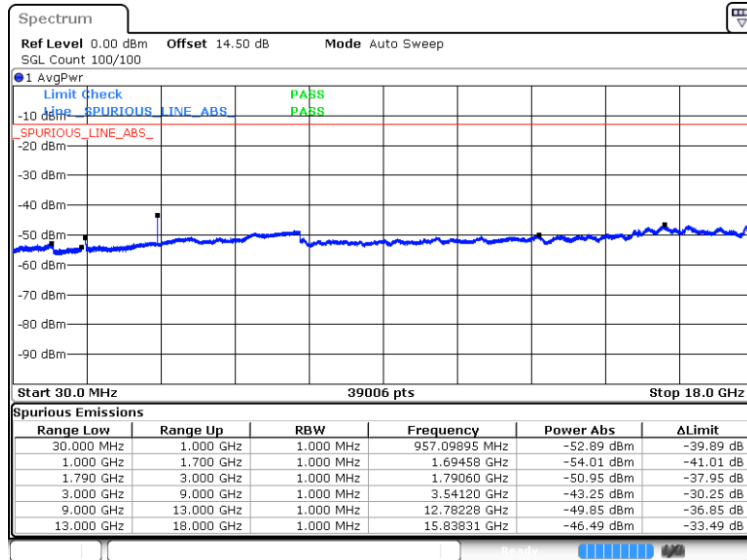
Middle Channel / QPSK



Date: 13.MAY.2024 22:25:03

Date: 13.MAY.2024 22:26:48

Highest Channel / QPSK



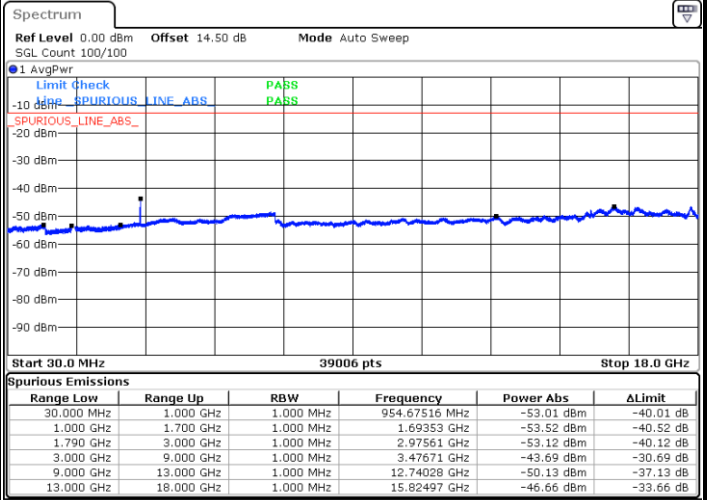
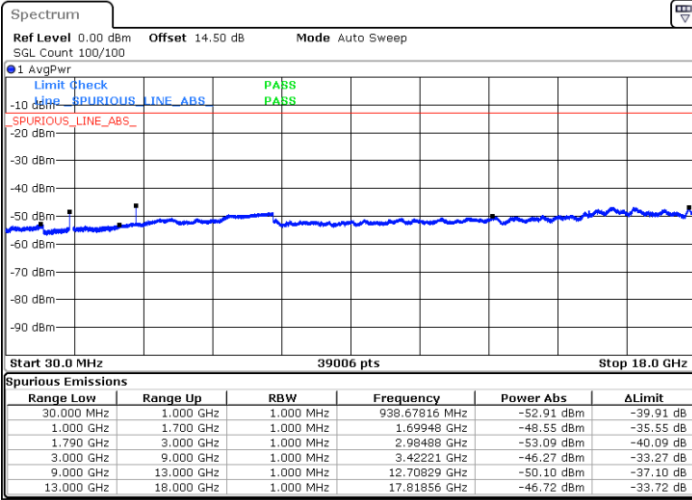
Date: 13.MAY.2024 22:38:24



LTE Band 66 / 15MHz

Lowest Channel / QPSK

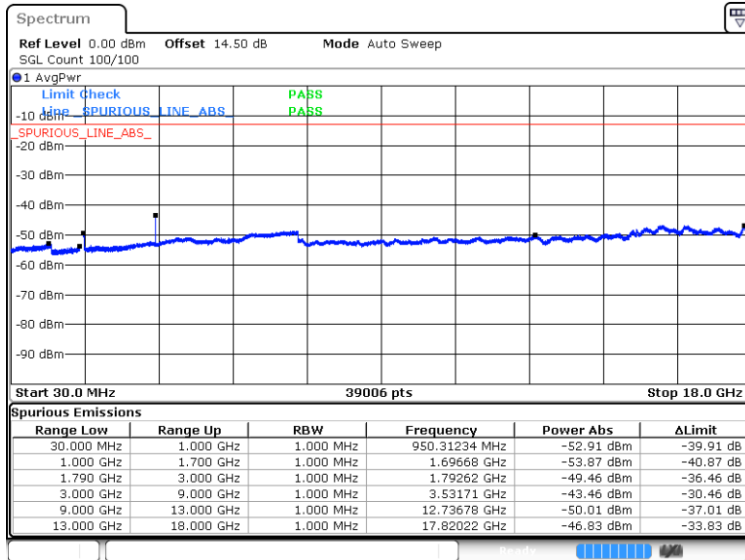
Middle Channel / QPSK



Date: 13.MAY.2024 22:49:24

Date: 13.MAY.2024 22:51:09

Highest Channel / QPSK



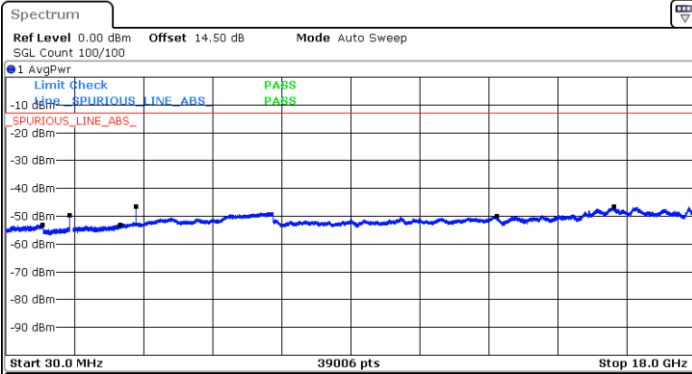
Date: 13.MAY.2024 23:02:45



LTE Band 66 / 20MHz

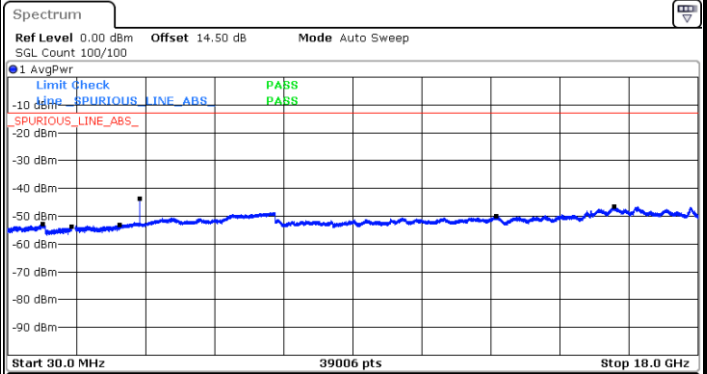
Lowest Channel / QPSK

Middle Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.94053 MHz	-53.07 dBm	-40.07 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-49.77 dBm	-36.77 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.99980 GHz	-53.00 dBm	-40.00 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42271 GHz	-46.41 dBm	-33.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.80727 GHz	-50.04 dBm	-37.04 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.85080 GHz	-46.66 dBm	-33.66 dB

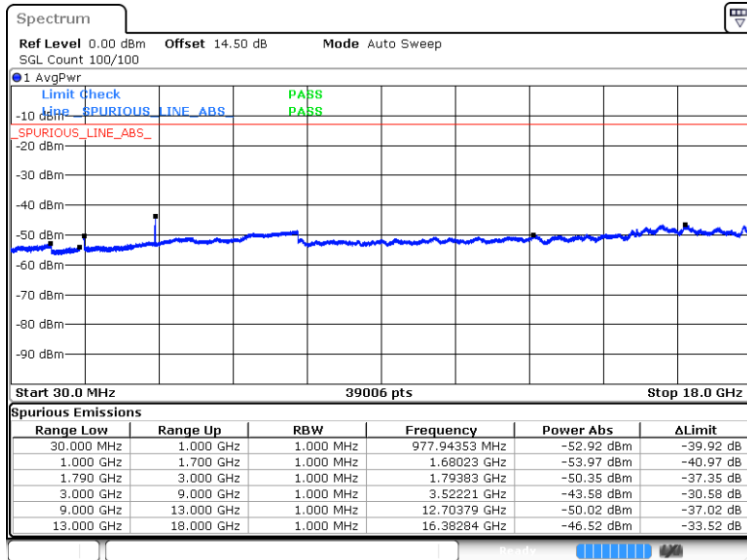
Date: 13.MAY.2024 23:13:45



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.76962 MHz	-52.82 dBm	-39.82 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69493 GHz	-53.62 dBm	-40.62 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.93206 GHz	-53.06 dBm	-40.06 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47221 GHz	-43.69 dBm	-30.69 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.74778 GHz	-50.09 dBm	-37.09 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.82497 GHz	-46.59 dBm	-33.59 dB

Date: 13.MAY.2024 23:15:29

Highest Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.94353 MHz	-52.92 dBm	-39.92 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68023 GHz	-53.97 dBm	-40.97 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.79383 GHz	-50.35 dBm	-37.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.52221 GHz	-43.58 dBm	-30.58 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70379 GHz	-50.02 dBm	-37.02 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.38284 GHz	-46.52 dBm	-33.52 dB

Date: 13.MAY.2024 23:28:28



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	0.0027	PASS
40	Normal Voltage	0.0031	
30	Normal Voltage	0.0035	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

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.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Qingsheng He	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE pretest all the support Antennas, only the worst results are shown in the report.

LTE Band 4 / 20MHz / QPSK / ANT 2									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447.18	-62.31	-13	-49.31	-76.75	-69.15	5.68	12.52	H
	5170.77	-59.72	-13	-46.72	-79.30	-65.39	7.15	12.82	H
	6894.36	-57.14	-13	-44.14	-79.95	-60.57	8.42	11.85	H
	3447.18	-62.29	-13	-49.29	-76.75	-69.13	5.68	12.52	V
	5170.77	-59.96	-13	-46.96	-79.22	-65.63	7.15	12.82	V
	6894.36	-56.51	-13	-43.51	-79.66	-59.94	8.42	11.85	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 25 / 20MHz / QPSK / ANT 2									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3747	-62.97	-13	-49.97	-78.56	-69.72	5.85	12.60	H
	5620.5	-59.53	-13	-46.53	-79.35	-65.33	7.30	13.10	H
	7494	-56.08	-13	-43.08	-80.77	-59.23	8.35	11.50	H
	3747	-63.65	-13	-50.65	-78.84	-70.40	5.85	12.60	V
	5620.5	-61.15	-13	-48.15	-80.27	-66.95	7.30	13.10	V
	7494	-55.58	-13	-42.58	-80.66	-58.73	8.35	11.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 26 / 15MHz / QPSK/ ANT 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1649.5	-66.51	-13	-53.51	-74.40	-69.76	4.00	9.40	H
	2474.25	-64.17	-13	-51.17	-75.92	-67.74	4.88	10.60	H
	3299	-62.33	-13	-49.33	-76.79	-67.26	5.52	12.60	H
	1649.5	-66.13	-13	-53.13	-74.07	-69.38	4.00	9.40	V
	2474.25	-64.14	-13	-51.14	-75.93	-67.71	4.88	10.60	V
	3299	-62.50	-13	-49.50	-76.88	-67.43	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 66 / 20MHz / QPSK/ ANT 2									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3492	-62.15	-13	-49.15	-76.80	-68.99	5.68	12.52	H
	5238	-60.38	-13	-47.38	-79.65	-66.05	7.15	12.82	H
	6984	-57.38	-13	-44.38	-80.29	-60.81	8.42	11.85	H
	3492	-62.28	-13	-49.28	-76.97	-69.12	5.68	12.52	V
	5238	-60.75	-13	-47.75	-79.59	-66.42	7.15	12.82	V
	6984	-57.02	-13	-44.02	-80.13	-60.45	8.42	11.85	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.