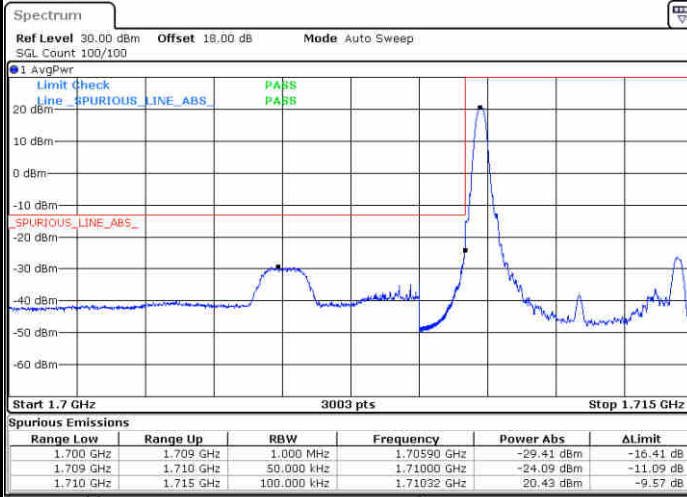




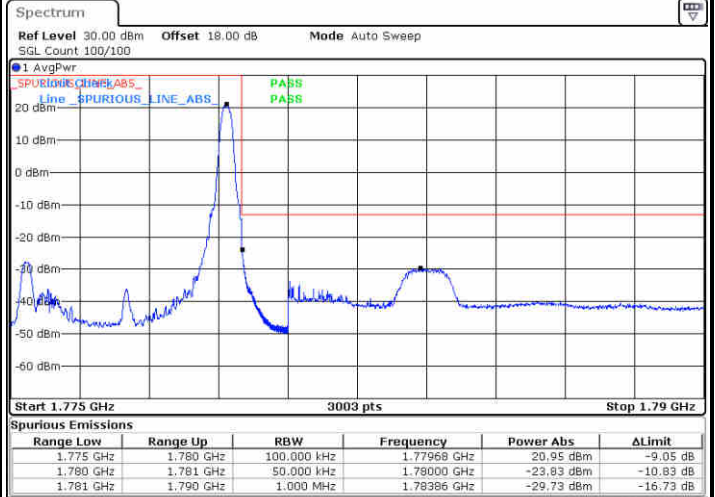
ULCA-12A-66A / SCC(66A) 5MHz / QPSK

Lowest Band Edge / 1RB



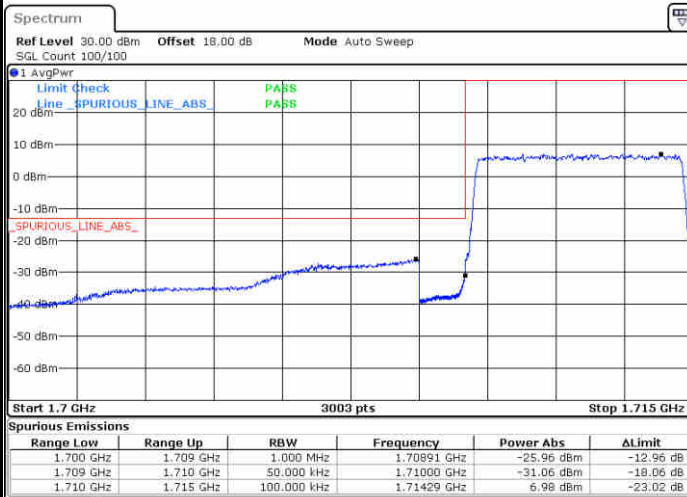
Date: 8.MAR.2020 04:52:18

Highest Band Edge / 1RB



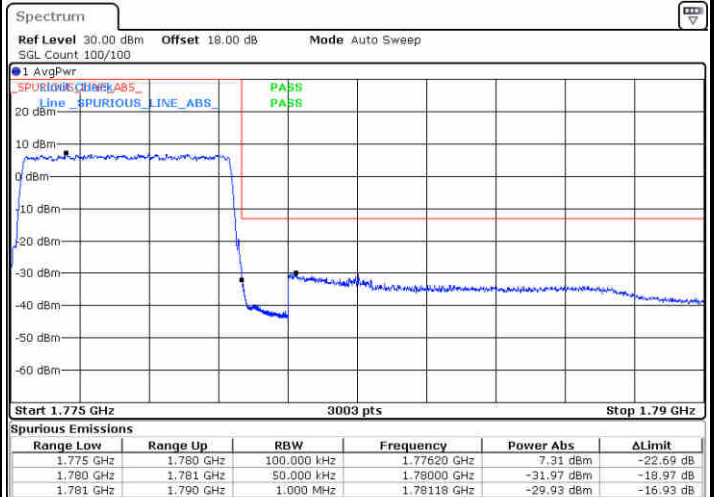
Date: 8.MAR.2020 04:59:44

Lowest Band Edge / Full RB



Date: 8.MAR.2020 04:55:40

Highest Band Edge / Full RB

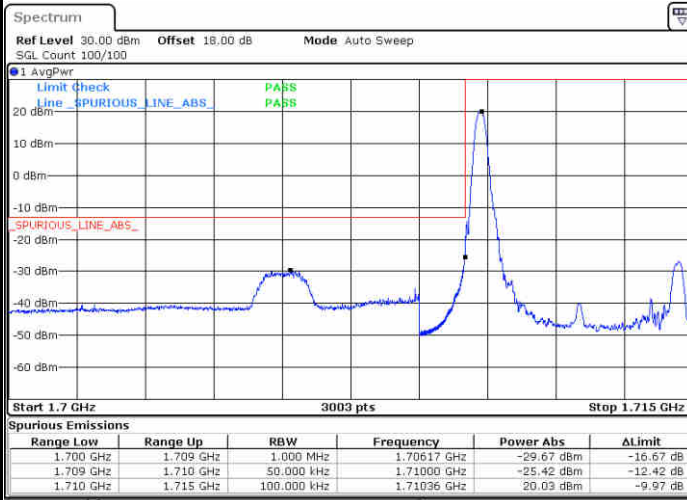


Date: 8.MAR.2020 04:56:11



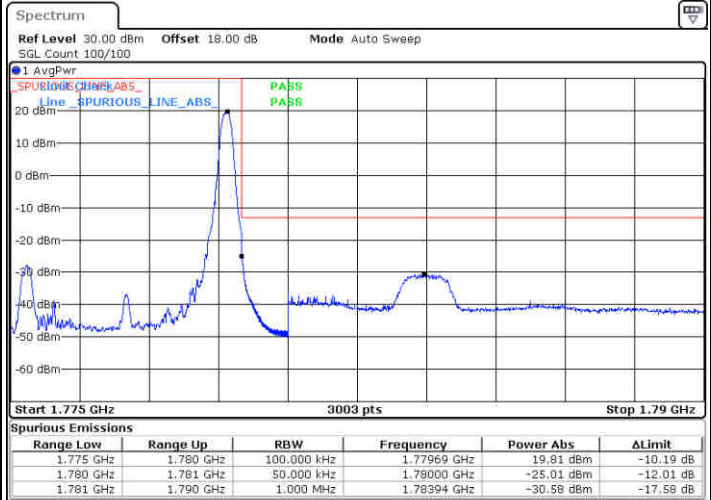
ULCA-12A-66A / SCC(66A) 5MHz / 16QAM

Lowest Band Edge / 1 RB



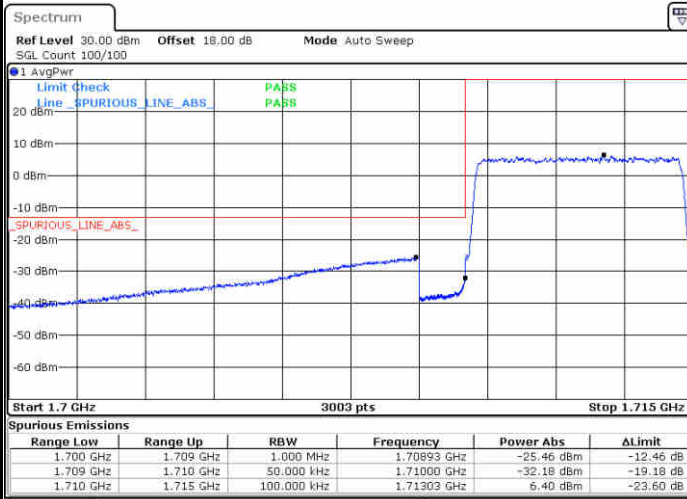
Date: 8.MAR.2020 04:53:15

Highest Band Edge / 1 RB



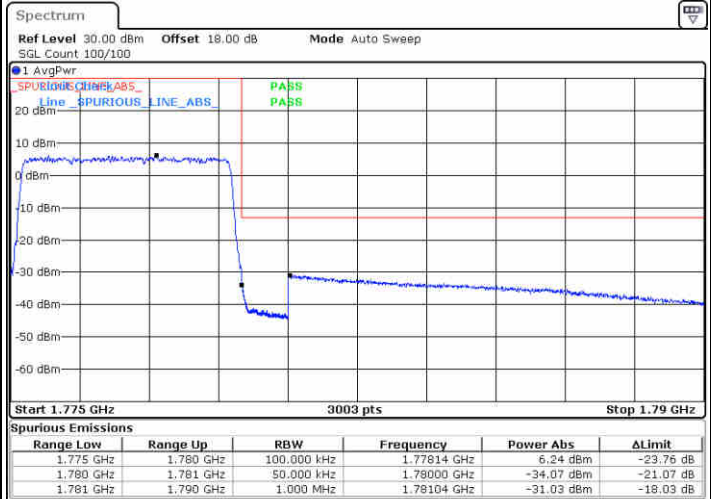
Date: 8.MAR.2020 04:59:13

Lowest Band Edge / Full RB



Date: 8.MAR.2020 04:55:15

Highest Band Edge / Full RB

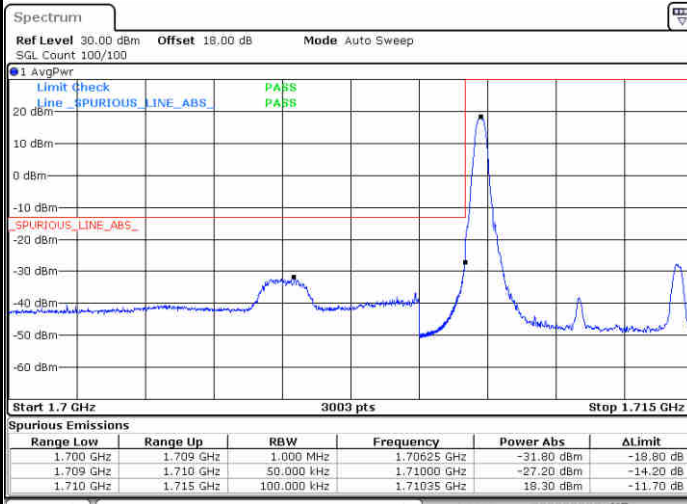


Date: 8.MAR.2020 04:56:58



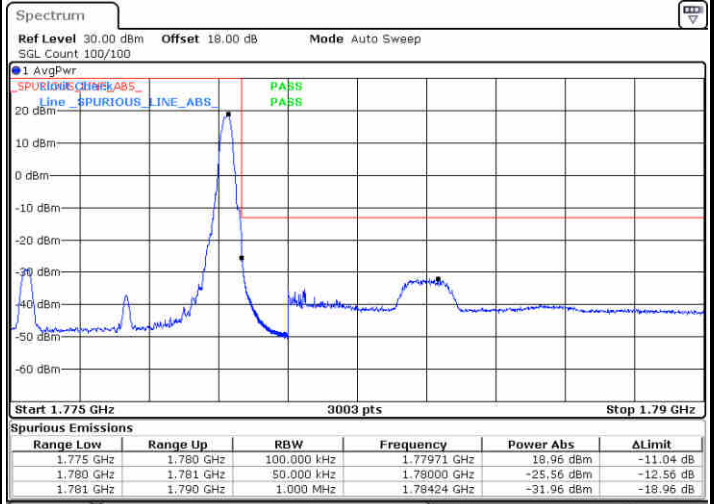
ULCA-12A-66A / SCC(66A) 5MHz / 64QAM

Lowest Band Edge / 1 RB



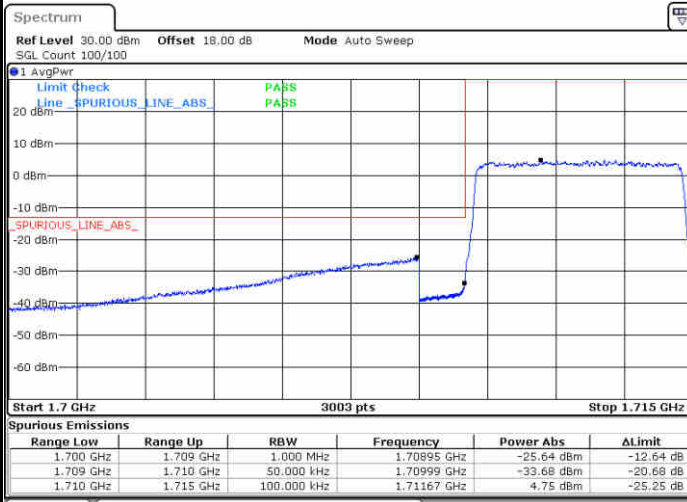
Date: 8.MAR.2020 04:53:59

Highest Band Edge / 1 RB



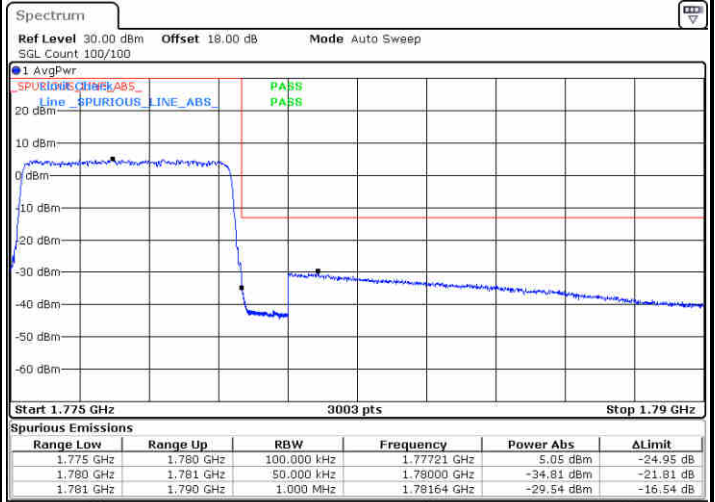
Date: 8.MAR.2020 04:58:09

Lowest Band Edge / Full RB



Date: 8.MAR.2020 04:54:53

Highest Band Edge / Full RB

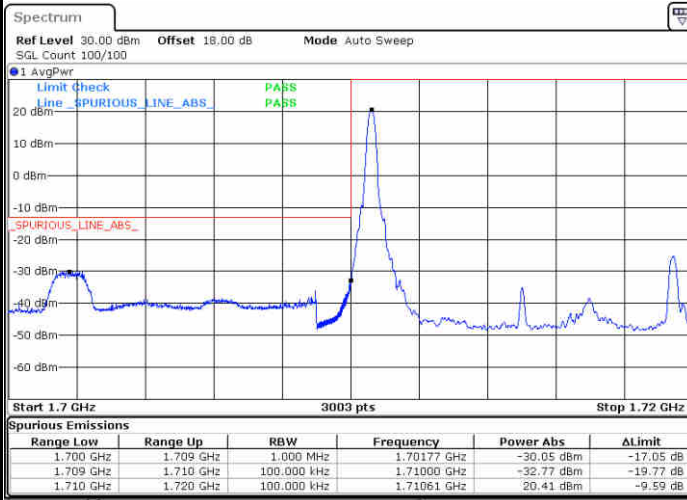


Date: 8.MAR.2020 04:57:19



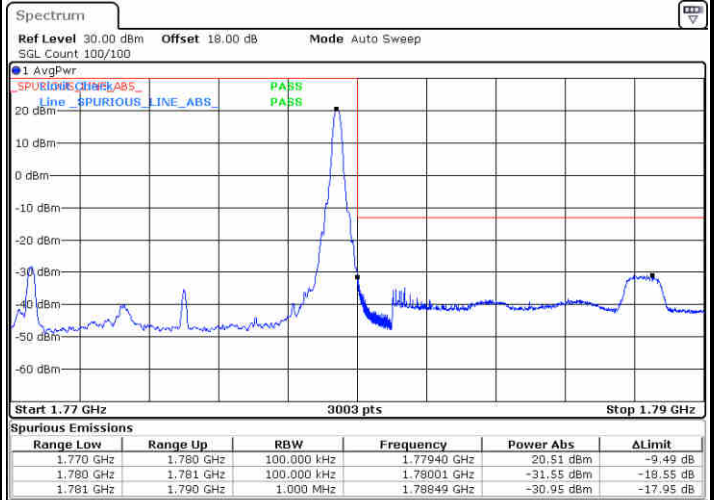
ULCA-12A-66A / SCC(66A) 10MHz / QPSK

Lowest Band Edge / 1 RB



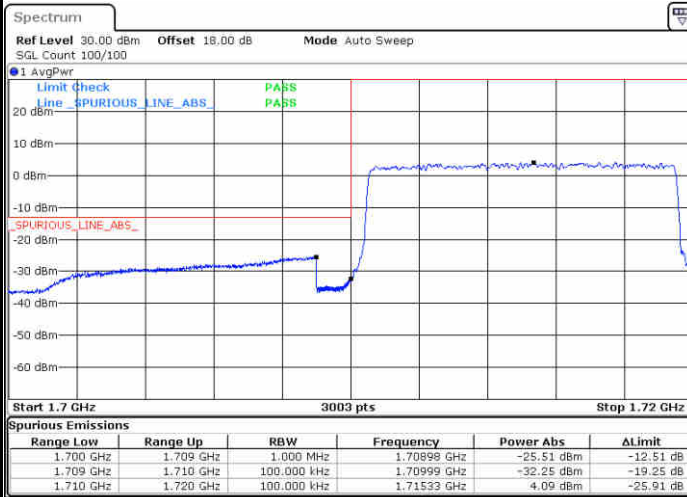
Date: 8.MAR.2020 05:01:10

Highest Band Edge / 1 RB



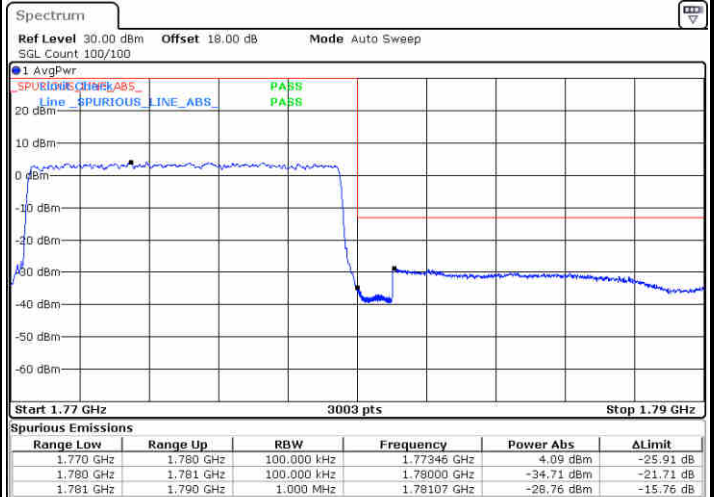
Date: 8.MAR.2020 05:04:49

Lowest Band Edge / Full RB



Date: 8.MAR.2020 05:02:41

Highest Band Edge / Full RB

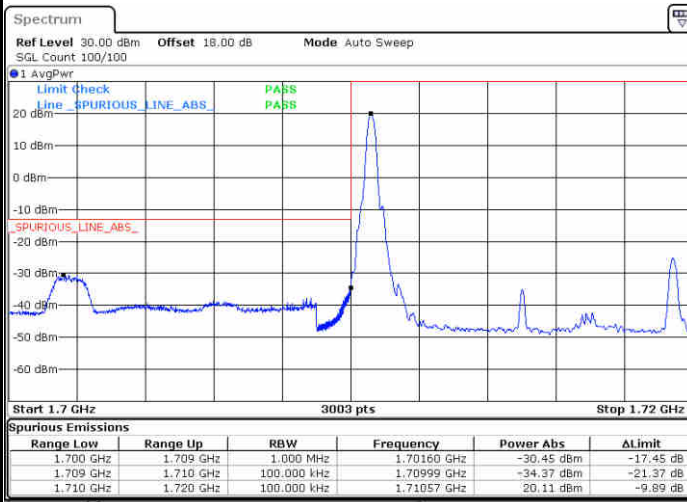


Date: 8.MAR.2020 05:03:21



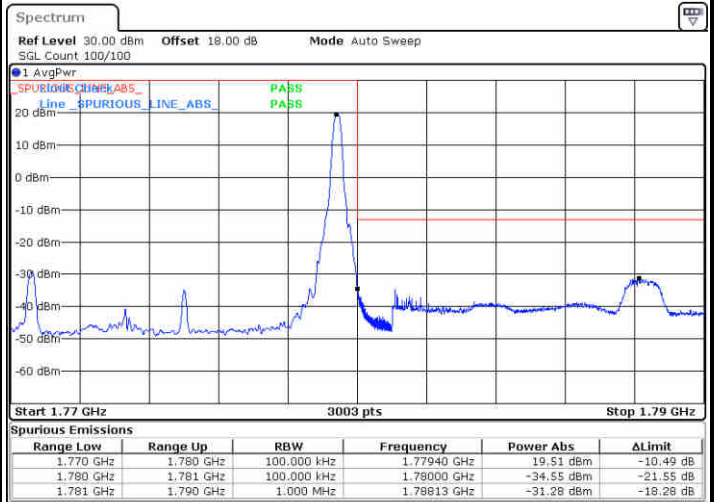
ULCA-12A-66A / SCC(66A) 10MHz / 16QAM

Lowest Band Edge / 1 RB



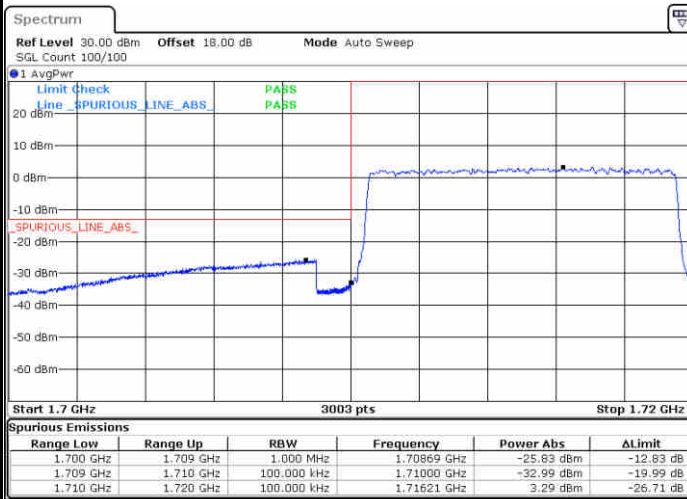
Date: 8.MAR.2020 05:01:27

Highest Band Edge / 1 RB



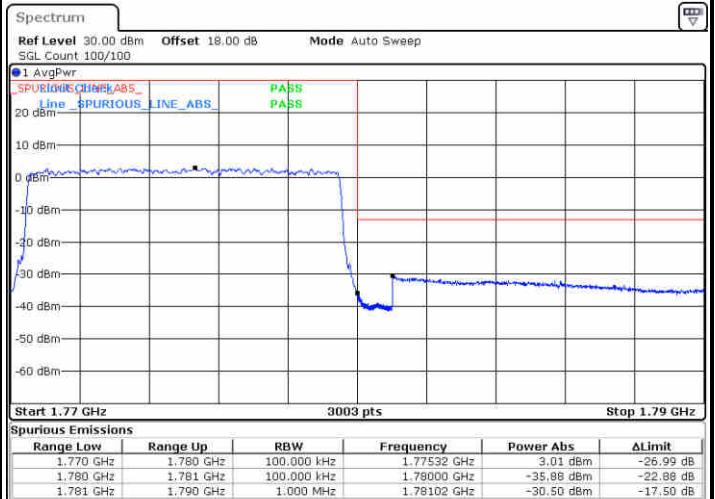
Date: 8.MAR.2020 05:04:33

Lowest Band Edge / Full RB



Date: 8.MAR.2020 05:02:25

Highest Band Edge / Full RB

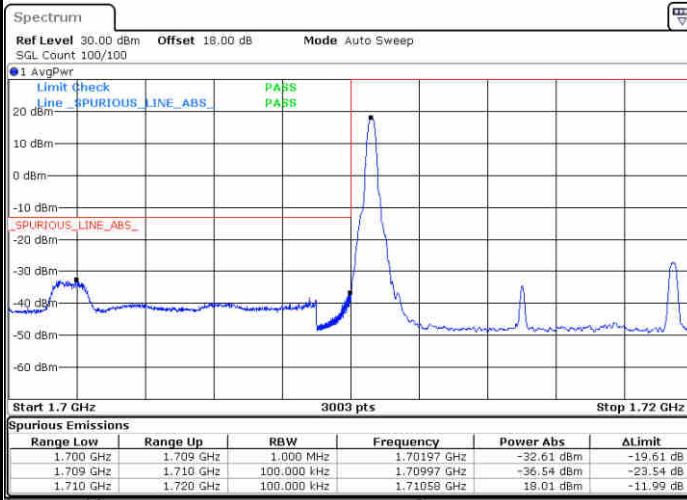


Date: 8.MAR.2020 05:03:37



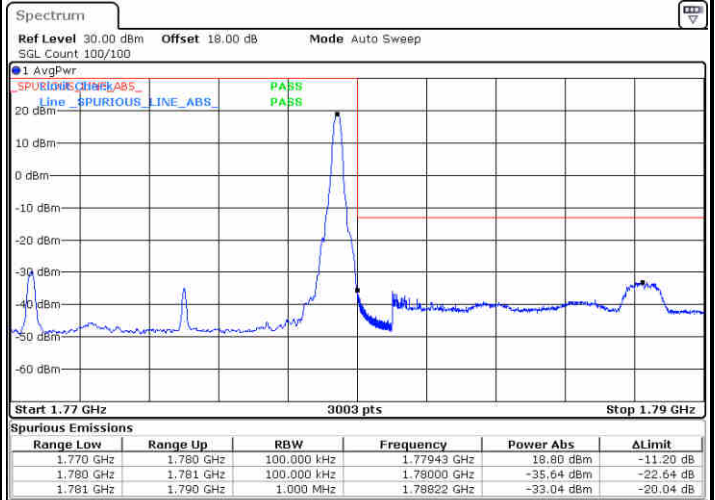
ULCA-12A-66A / SCC(66A) 10MHz / 64QAM

Lowest Band Edge / 1 RB



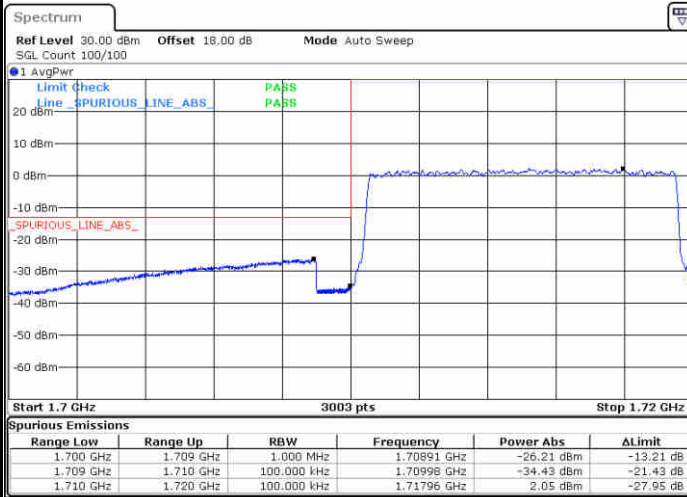
Date: 8.MAR.2020 05:01:43

Highest Band Edge / 1 RB



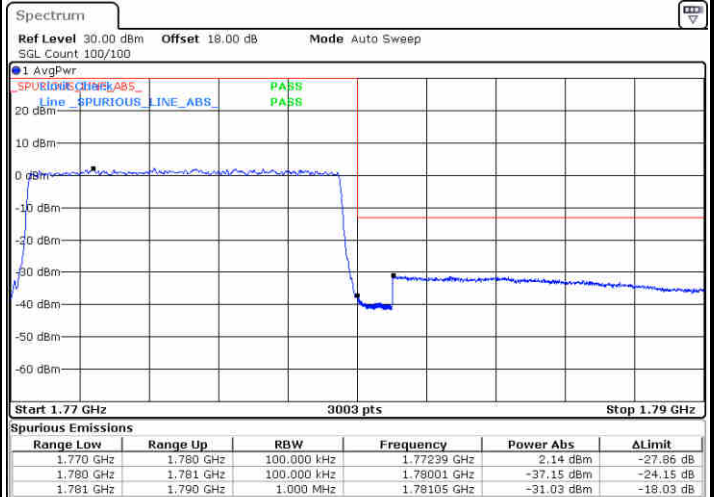
Date: 8.MAR.2020 05:04:17

Lowest Band Edge / Full RB



Date: 8.MAR.2020 05:02:02

Highest Band Edge / Full RB

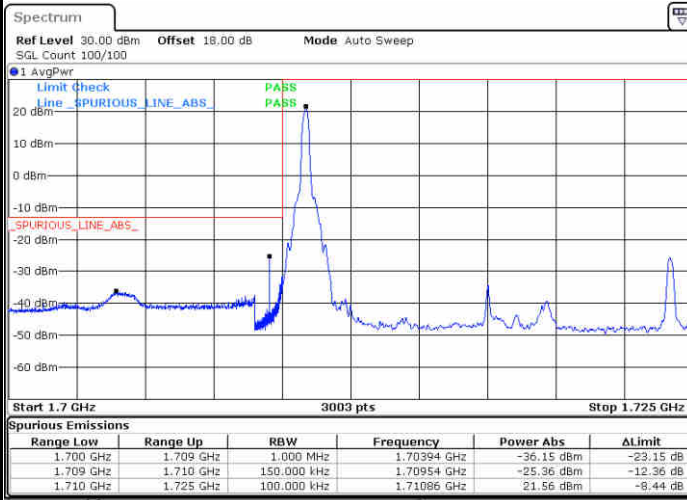


Date: 8.MAR.2020 05:03:58



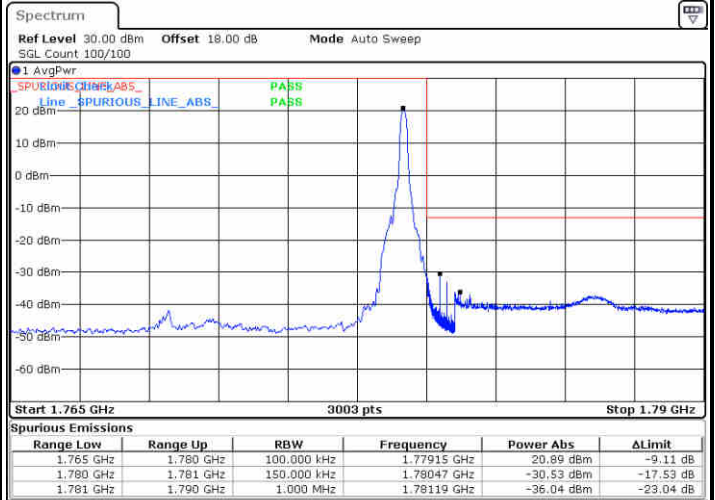
ULCA-12A-66A / SCC(66A) 15MHz / QPSK

Lowest Band Edge / 1 RB



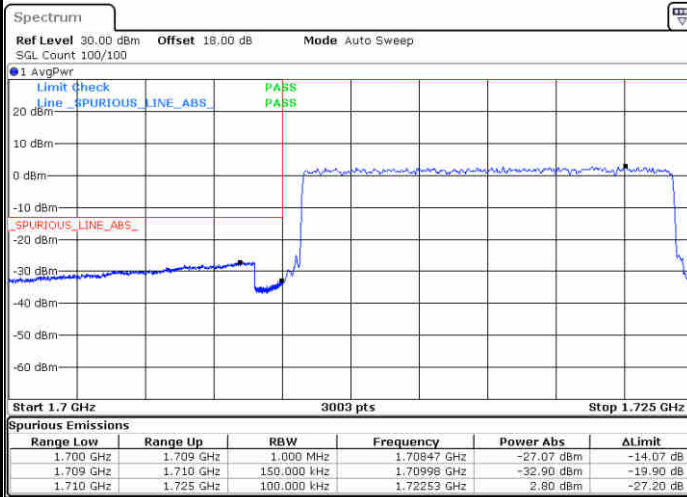
Date: 8.MAR.2020 05:05:34

Highest Band Edge / 1 RB



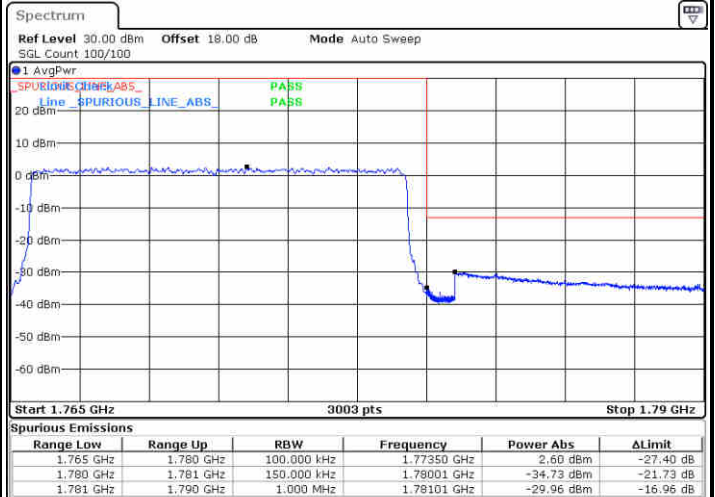
Date: 8.MAR.2020 05:11:31

Lowest Band Edge / Full RB



Date: 8.MAR.2020 05:07:41

Highest Band Edge / Full RB

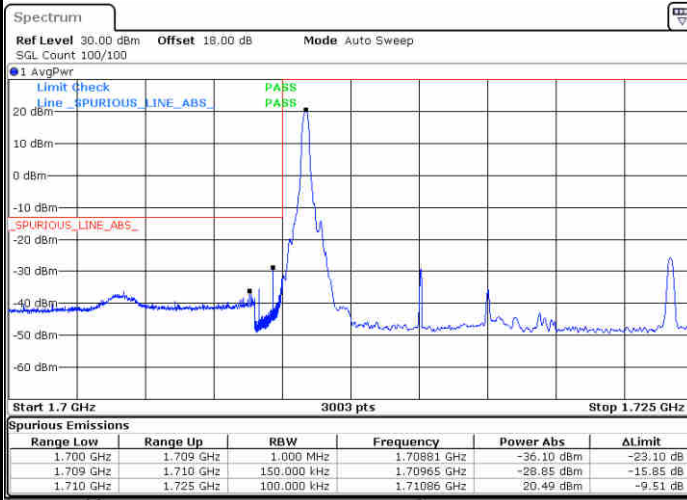


Date: 8.MAR.2020 05:08:35



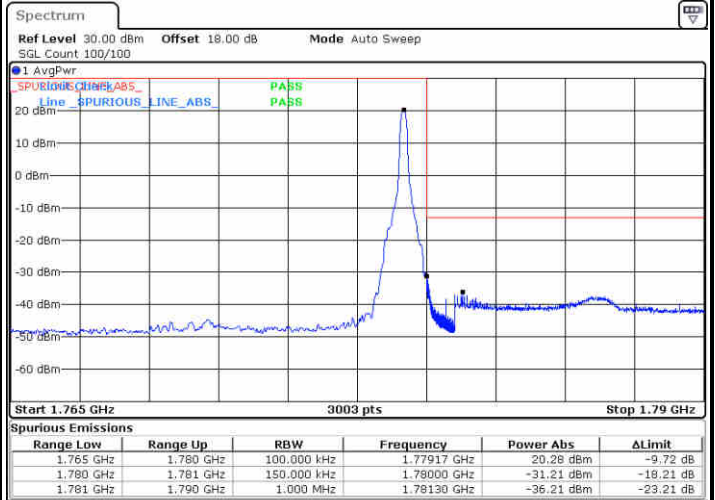
ULCA-12A-66A / SCC(66A) 15MHz / 16QAM

Lowest Band Edge / 1 RB



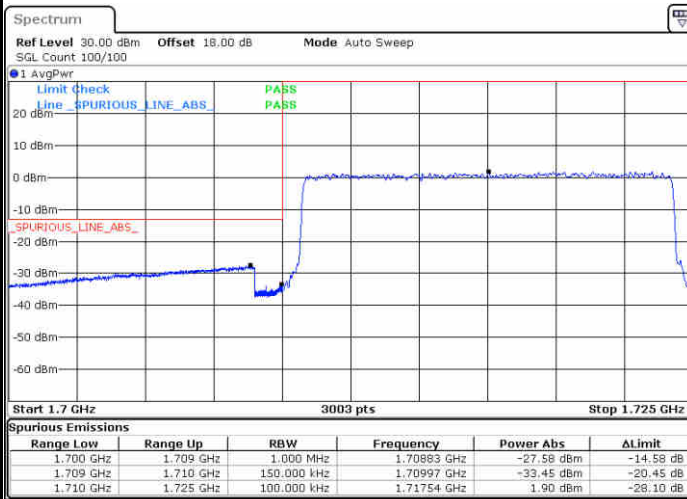
Date: 8.MAR.2020 05:05:50

Highest Band Edge / 1 RB



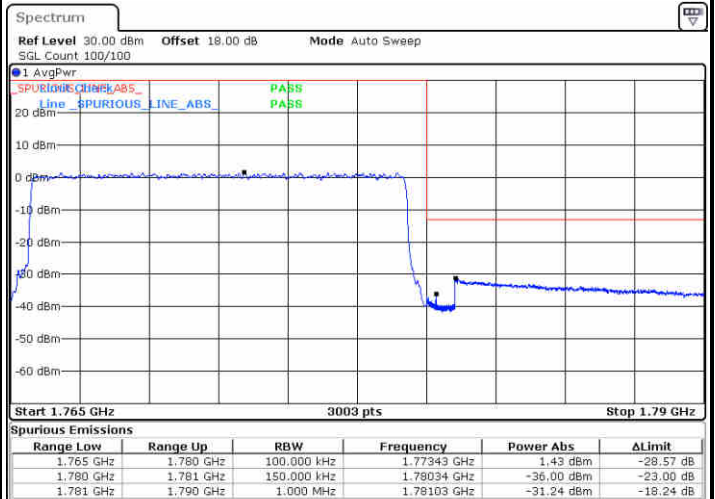
Date: 8.MAR.2020 05:11:17

Lowest Band Edge / Full RB



Date: 8.MAR.2020 05:07:27

Highest Band Edge / Full RB

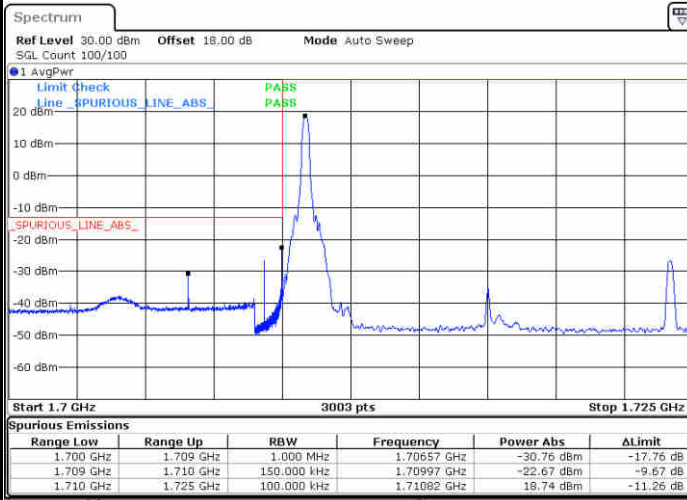


Date: 8.MAR.2020 05:09:29



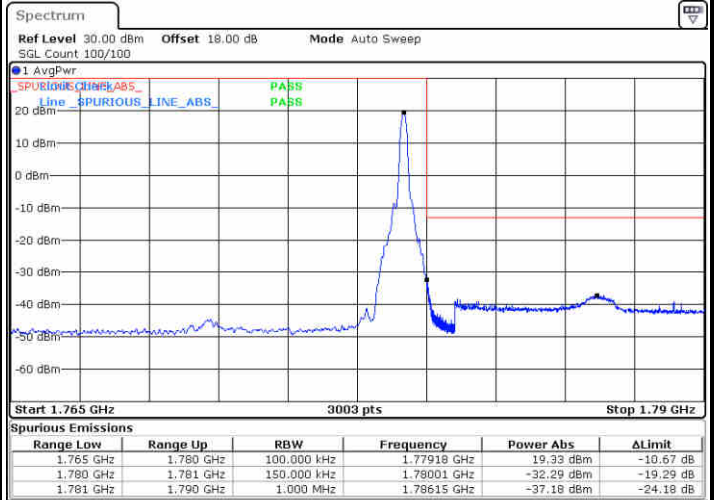
ULCA-12A-66A / SCC(66A) 15MHz / 64QAM

Lowest Band Edge / 1 RB



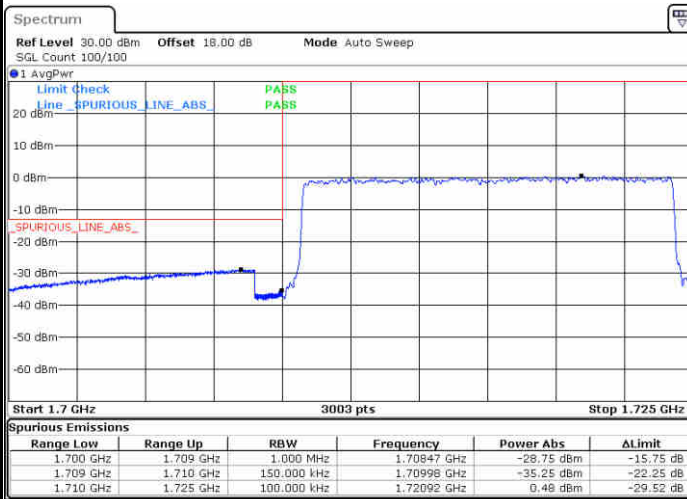
Date: 8.MAR.2020 05:06:31

Highest Band Edge / 1 RB



Date: 8.MAR.2020 05:11:02

Lowest Band Edge / Full RB



Date: 8.MAR.2020 05:07:10

Highest Band Edge / Full RB

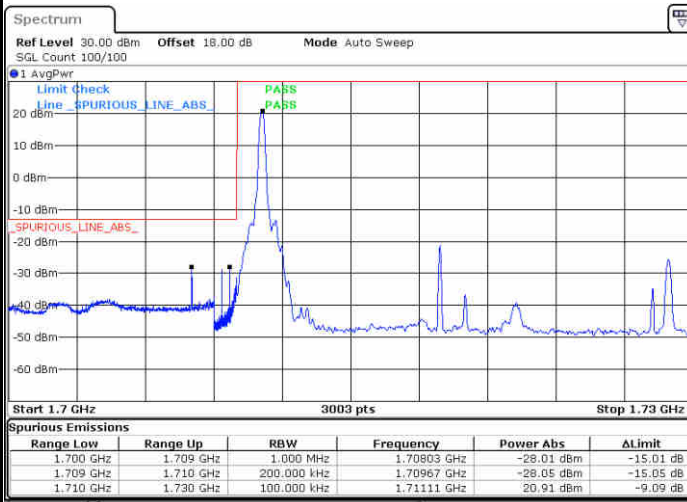


Date: 8.MAR.2020 05:10:38



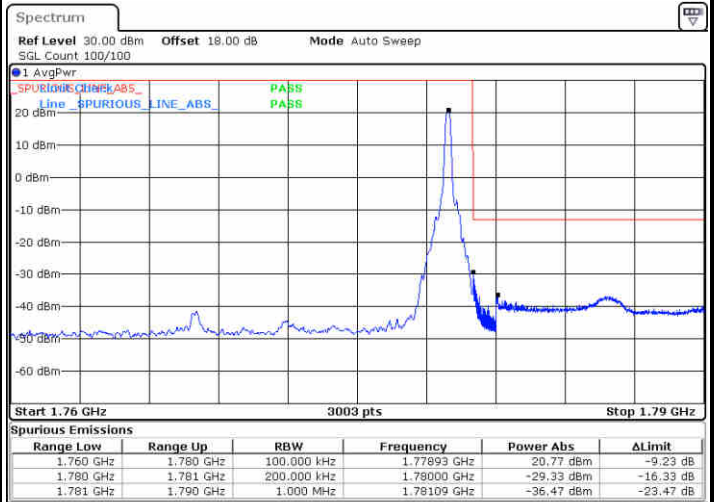
ULCA-12A-66A / SCC(66A) 20MHz / QPSK

Lowest Band Edge / 1 RB



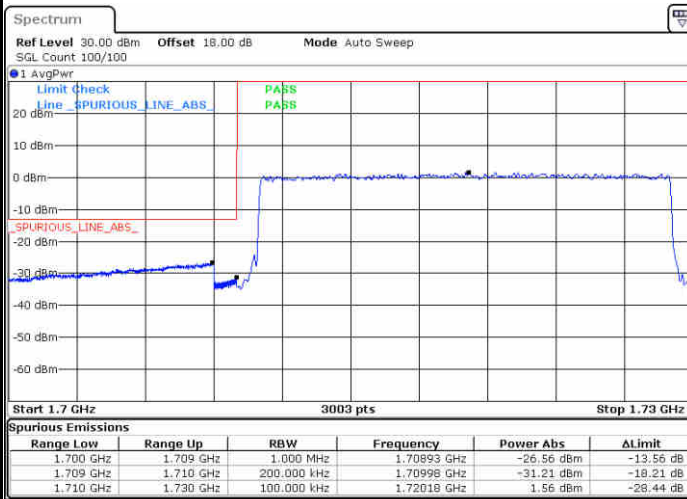
Date: 8.MAR.2020 05:12:44

Highest Band Edge / 1 RB



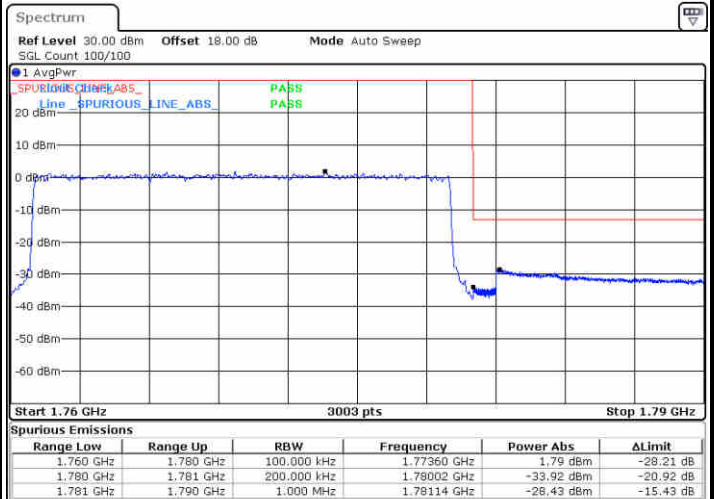
Date: 8.MAR.2020 05:16:58

Lowest Band Edge / Full RB



Date: 8.MAR.2020 05:14:53

Highest Band Edge / Full RB

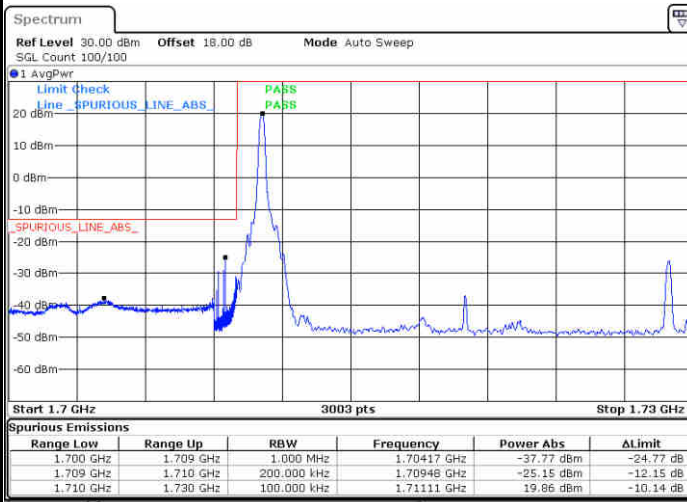


Date: 8.MAR.2020 05:15:28



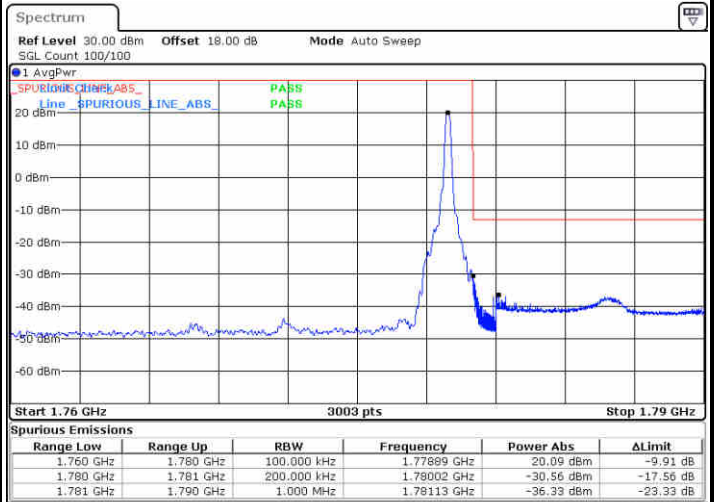
ULCA-12A-66A / SCC(66A) 20MHz / 16QAM

Lowest Band Edge / 1 RB



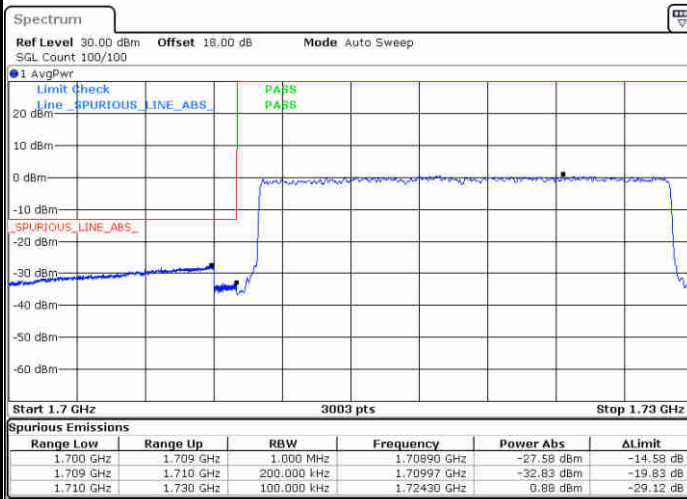
Date: 8.MAR.2020 05:13:29

Highest Band Edge / 1 RB



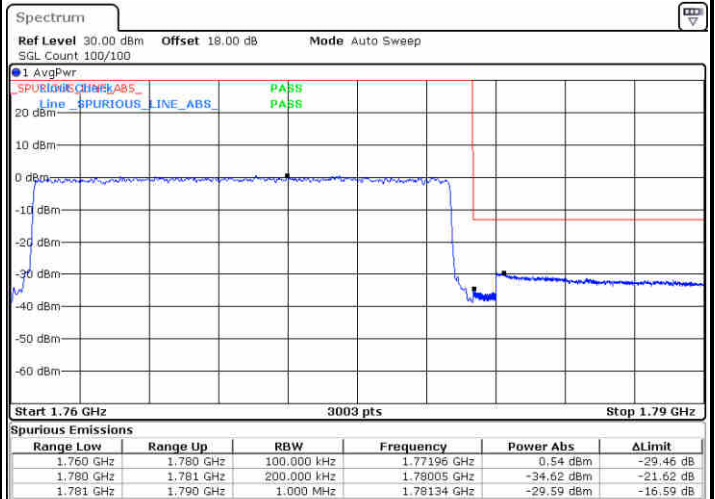
Date: 8.MAR.2020 05:16:43

Lowest Band Edge / Full RB



Date: 8.MAR.2020 05:14:37

Highest Band Edge / Full RB

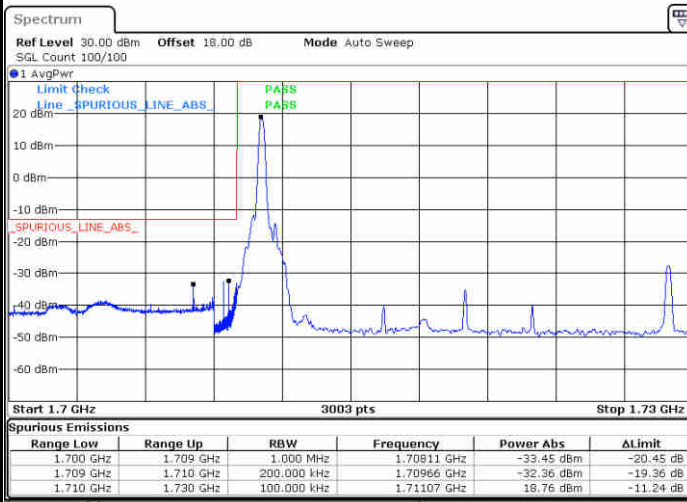


Date: 8.MAR.2020 05:15:44



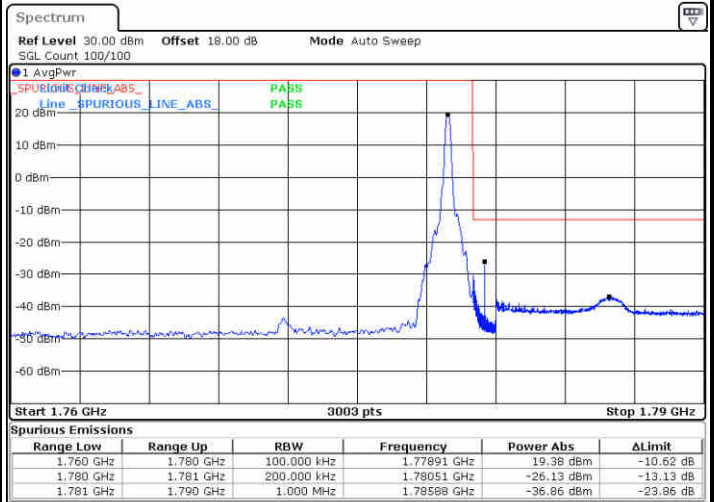
ULCA-12A-66A / SCC(66A) 20MHz / 64QAM

Lowest Band Edge / 1 RB



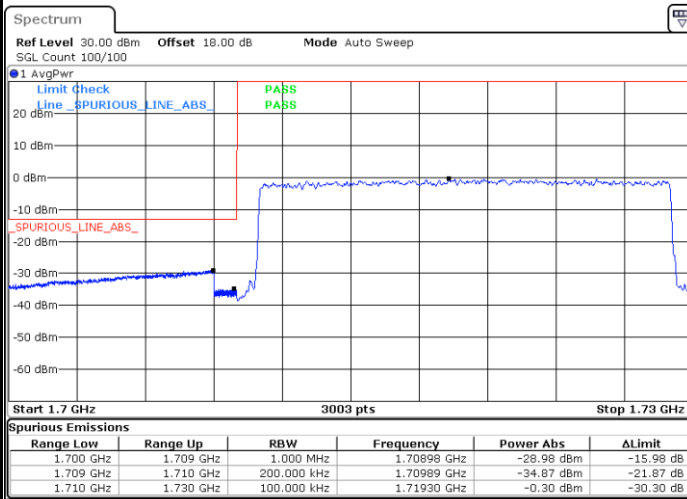
Date: 8.MAR.2020 05:14:01

Highest Band Edge / 1 RB



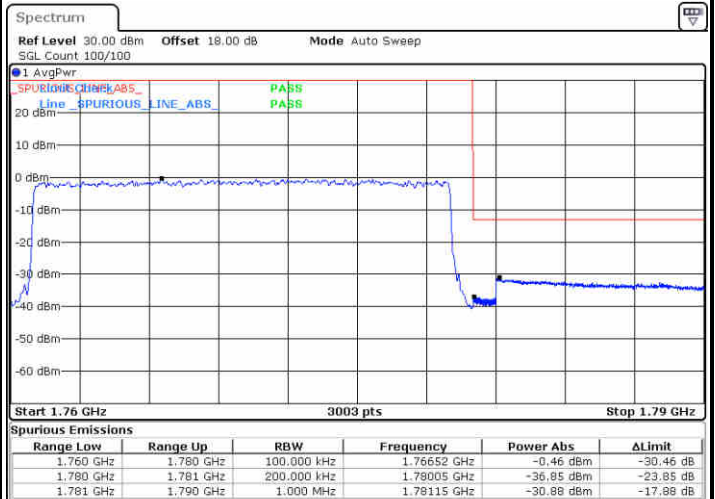
Date: 8.MAR.2020 05:16:21

Lowest Band Edge / Full RB



Date: 8.MAR.2020 05:14:20

Highest Band Edge / Full RB

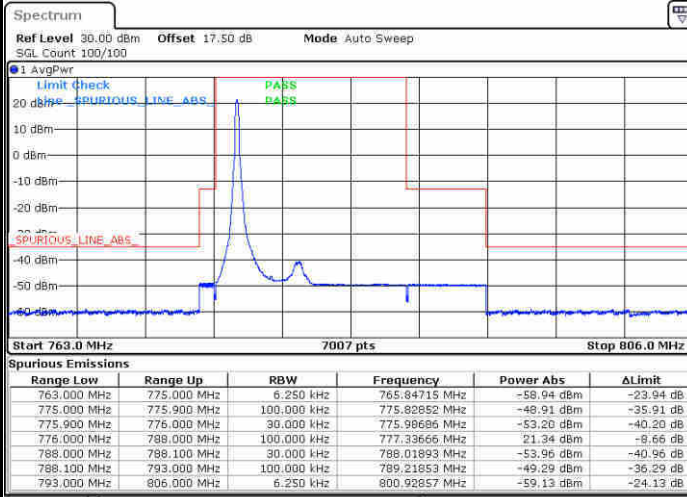


Date: 8.MAR.2020 05:16:01



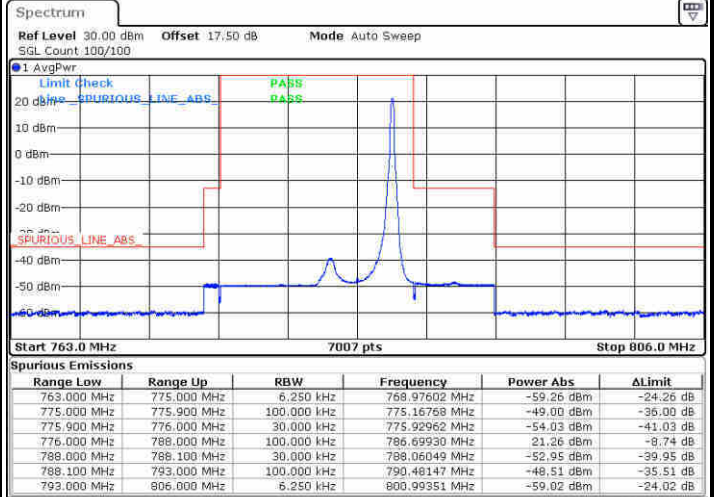
ULCA-13A-66A / PCC(13A) 5MHz / QPSK

Lowest Band Edge / 1RB



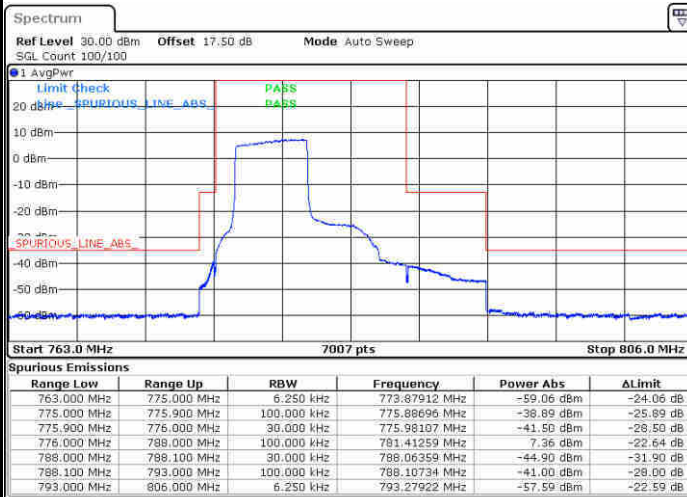
Date: 8.MAR.2020 03:32:00

Highest Band Edge / 1RB



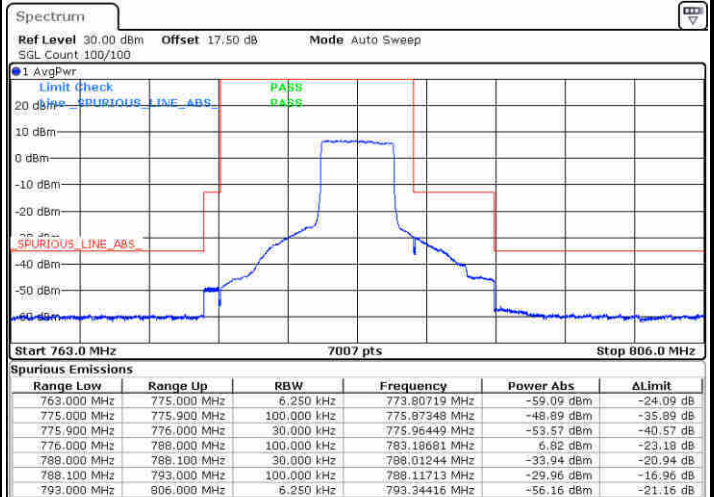
Date: 8.MAR.2020 04:32:14

Lowest Band Edge / Full RB



Date: 8.MAR.2020 03:39:41

Highest Band Edge / Full RB



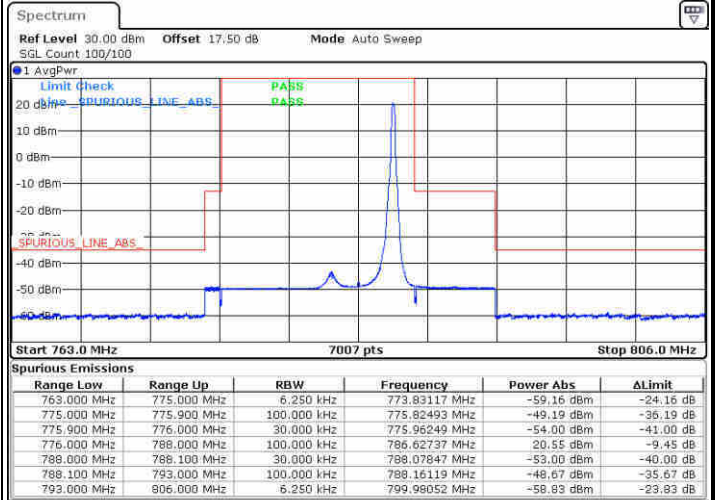
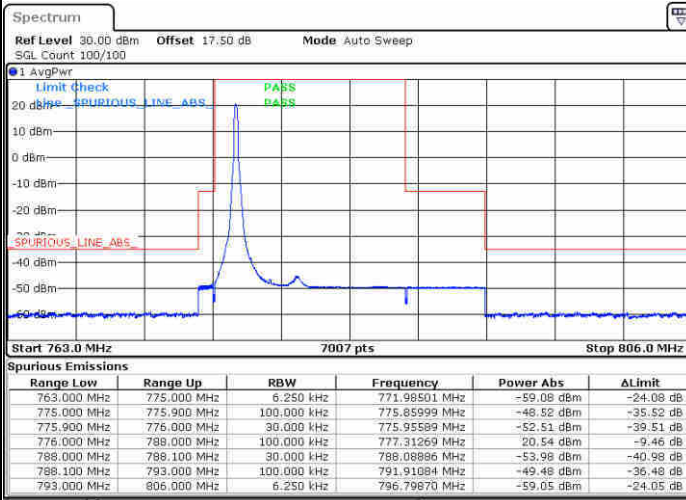
Date: 8.MAR.2020 03:41:05



ULCA-13A-66A / PCC(13A) 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

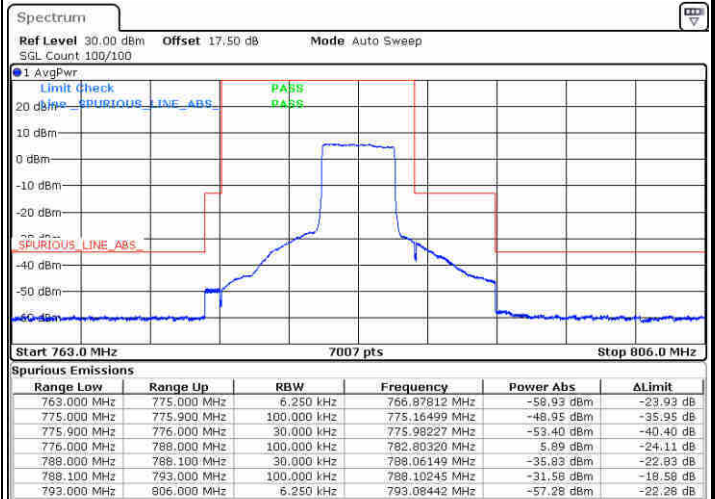
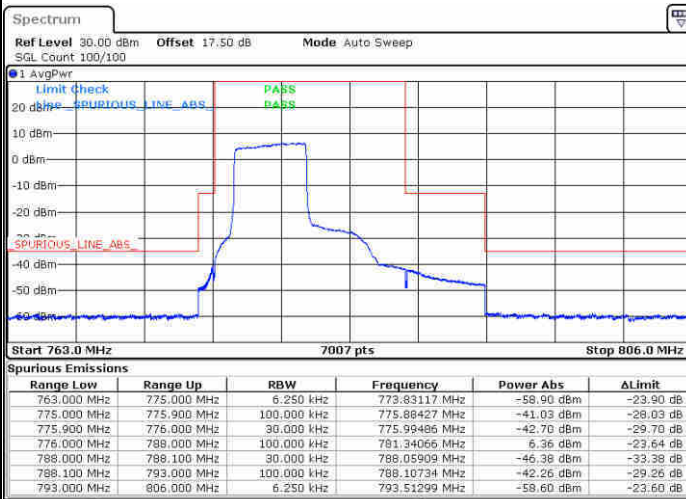


Date: 8.MAR.2020 03:33:18

Date: 8.MAR.2020 04:21:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.MAR.2020 03:38:06

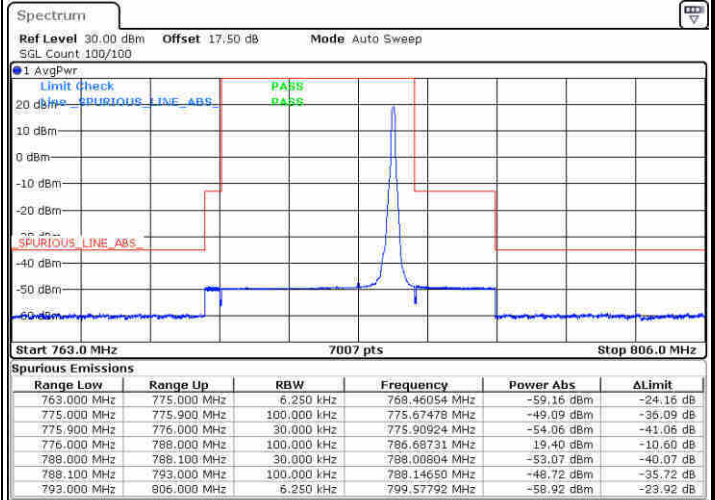
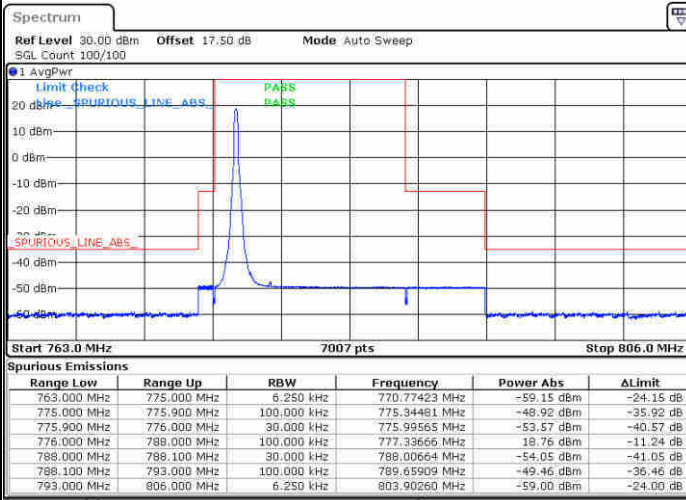
Date: 8.MAR.2020 03:44:01



ULCA-13A-66A / PCC(13A) 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

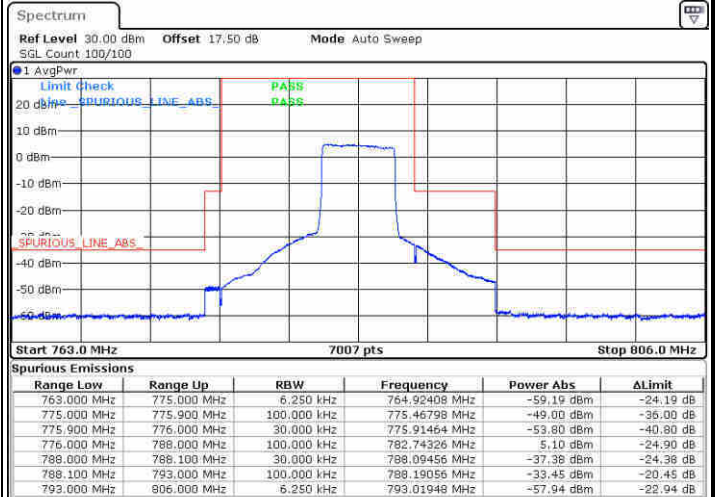
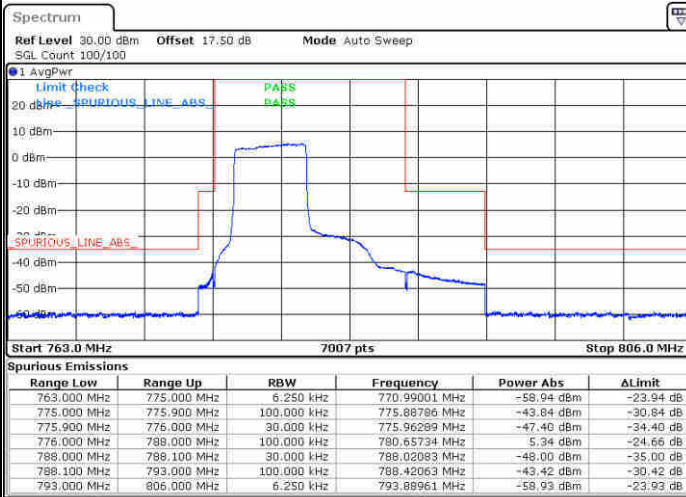


Date: 8.MAR.2020 03:35:46

Date: 8.MAR.2020 03:46:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



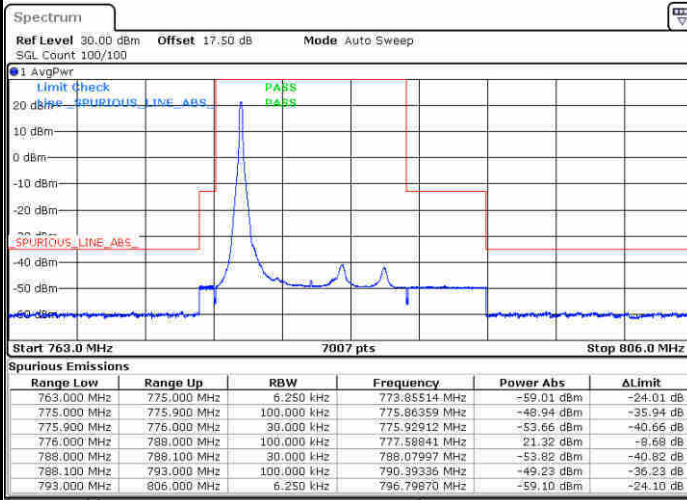
Date: 8.MAR.2020 03:36:57

Date: 8.MAR.2020 03:45:24



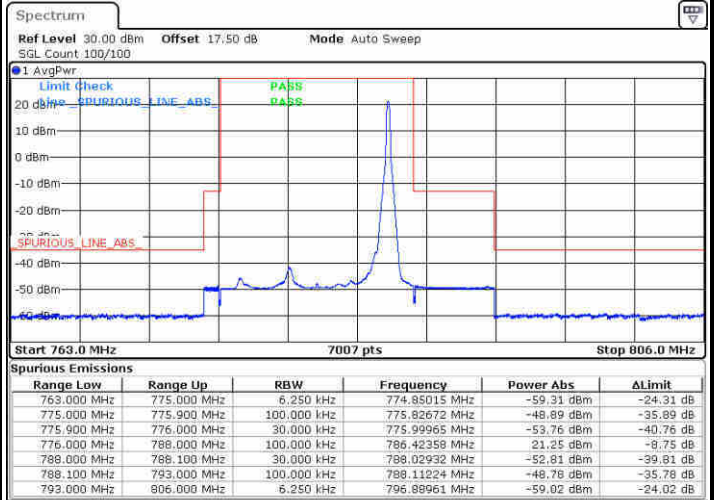
ULCA-13A-66A / PCC(13A) 10MHz / QPSK

Lowest Band Edge / 1 RB



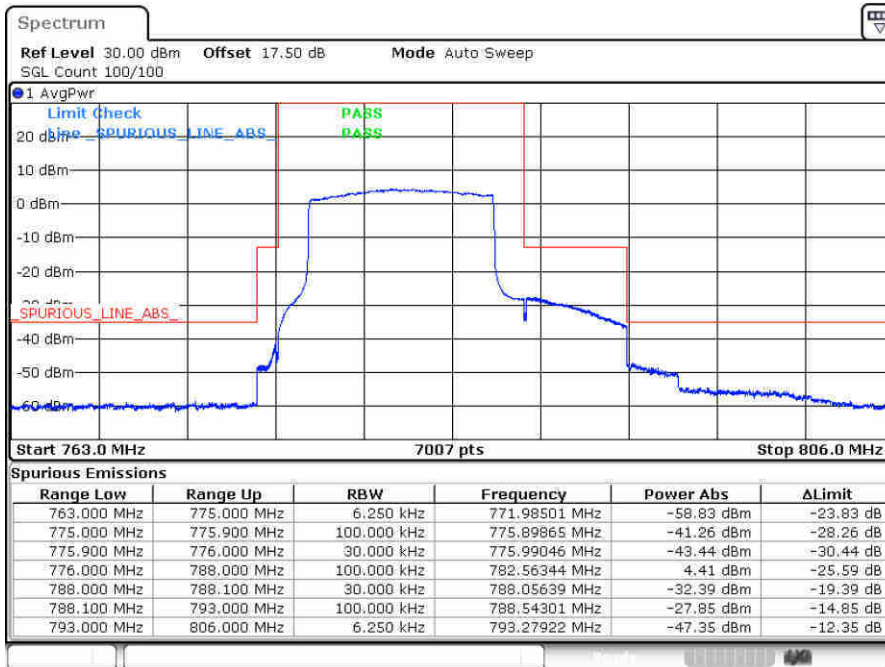
Date: 8, MAR, 2020 04:41:40

Highest Band Edge / 1 RB



Date: 8, MAR, 2020 04:43:32

Band Edge / Full RB

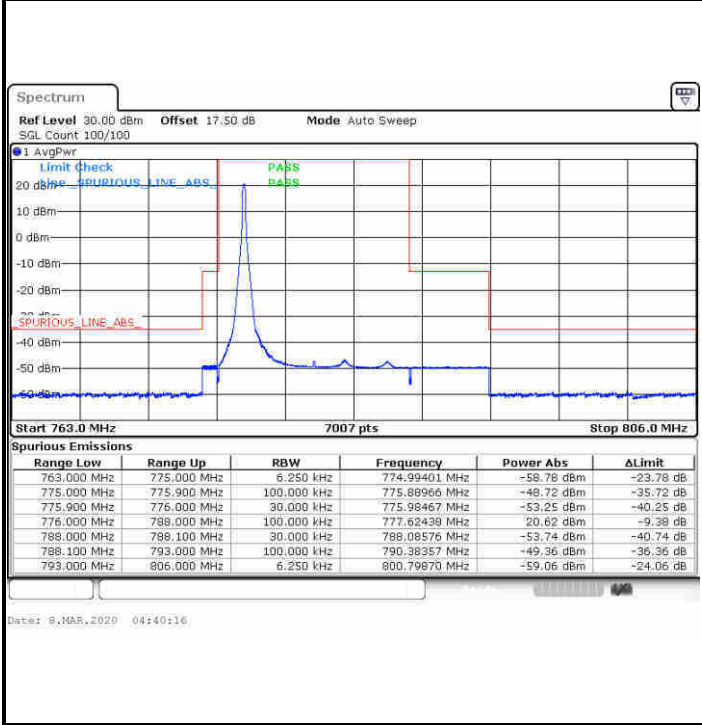


Date: 8, MAR, 2020 04:34:07

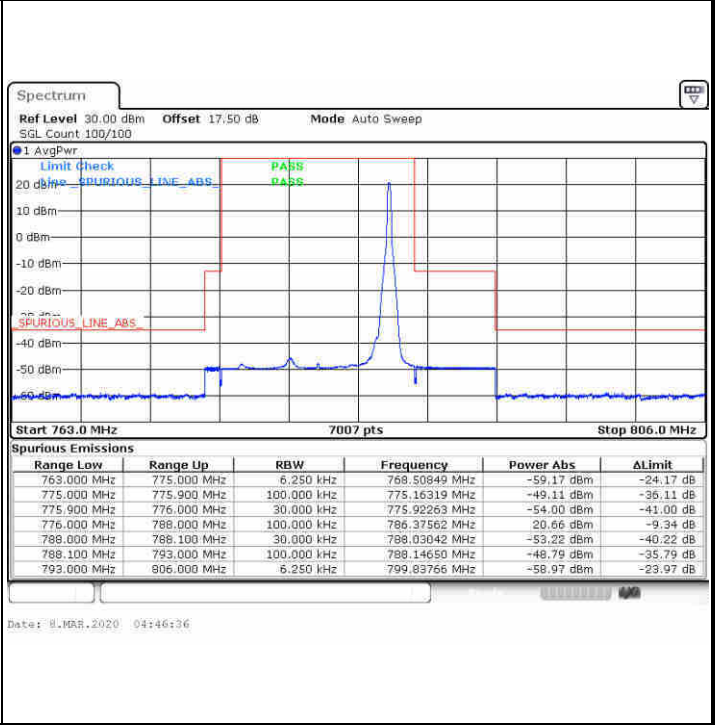


ULCA-13A-66A / PCC(13A) 10MHz / 16QAM

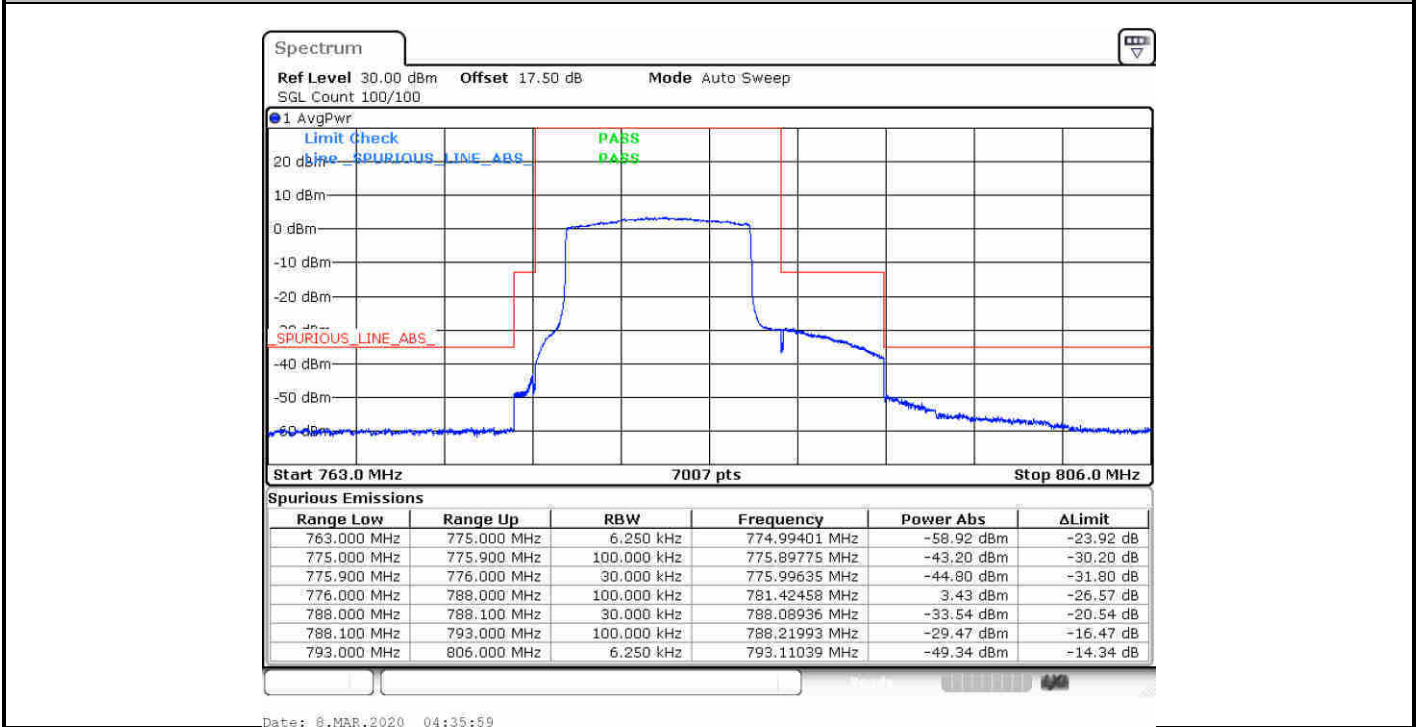
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Band Edge / Full RB

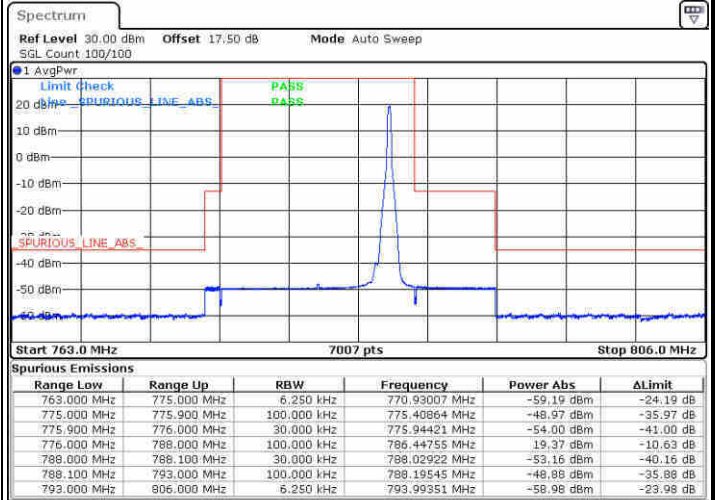
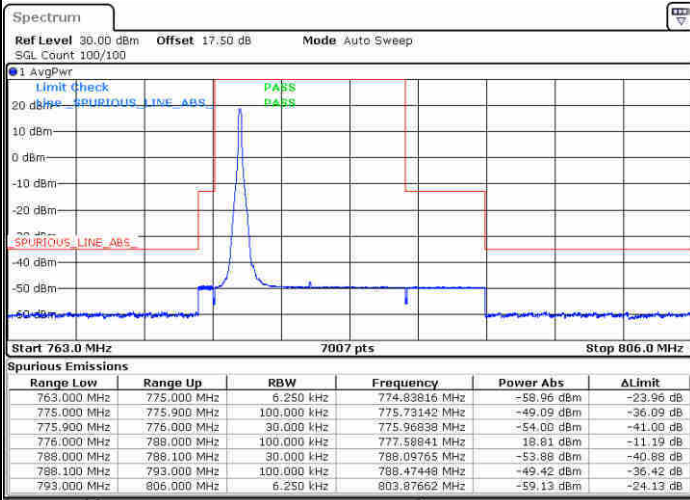




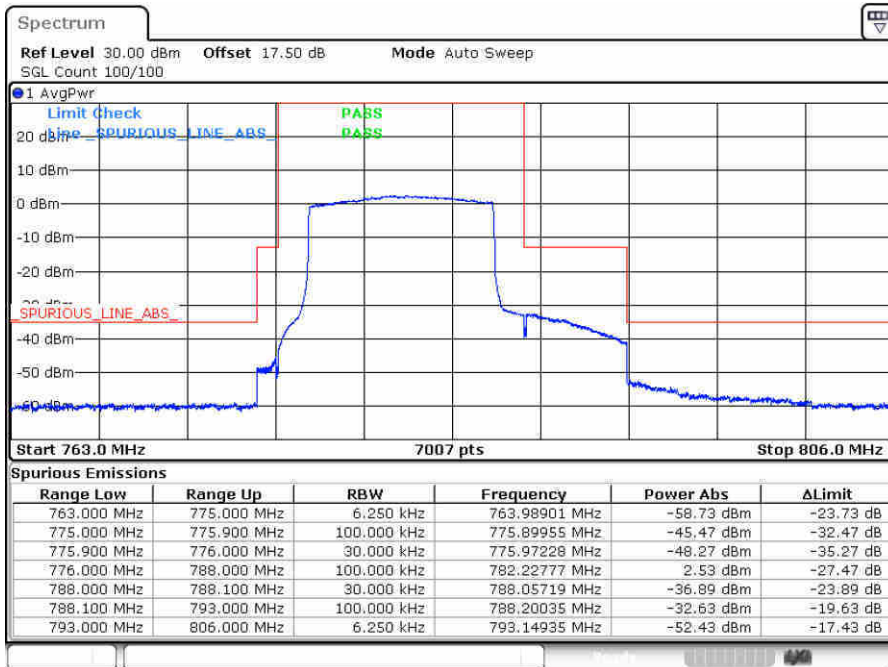
ULCA-13A-66A / PCC(13A) 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



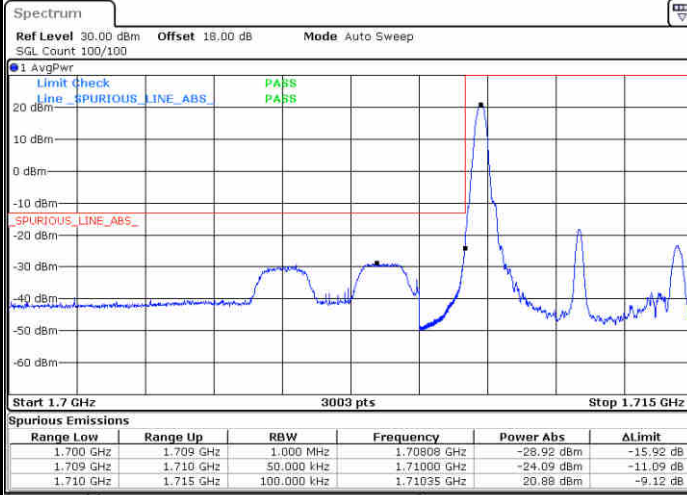
Band Edge / Full RB





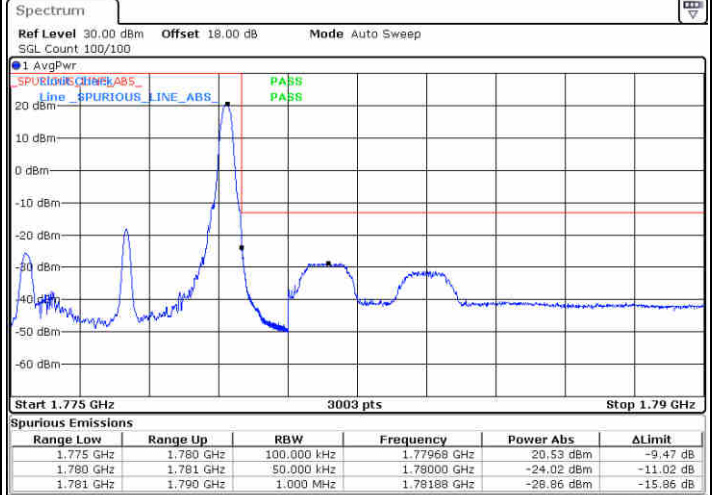
ULCA-13A-66A / SCC(66A) 5MHz / QPSK

Lowest Band Edge / 1RB



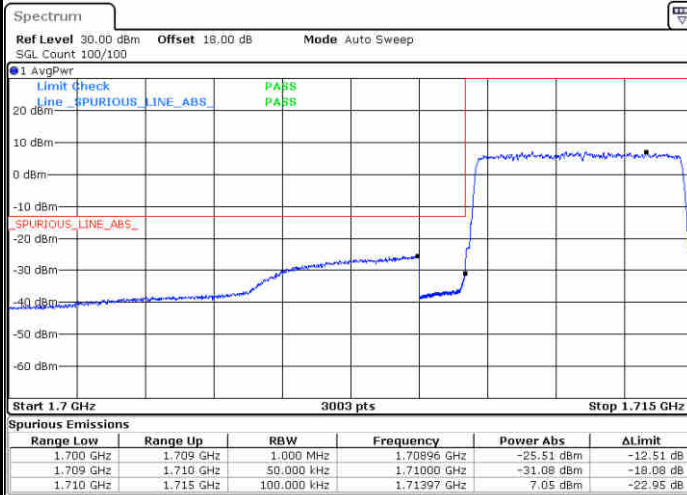
Date: 9.MAR.2020 04:03:31

Highest Band Edge / 1RB



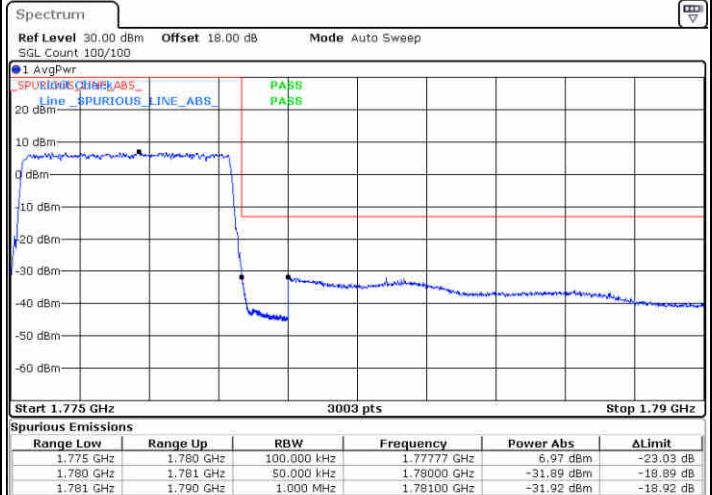
Date: 9.MAR.2020 04:04:21

Lowest Band Edge / Full RB



Date: 9.MAR.2020 03:47:06

Highest Band Edge / Full RB

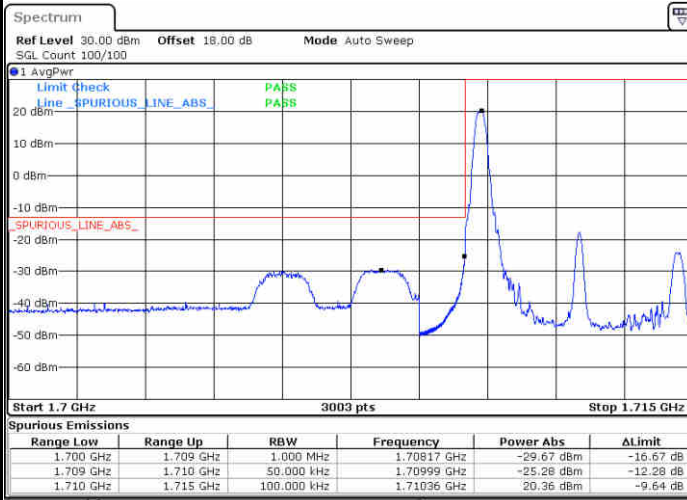


Date: 9.MAR.2020 04:06:48



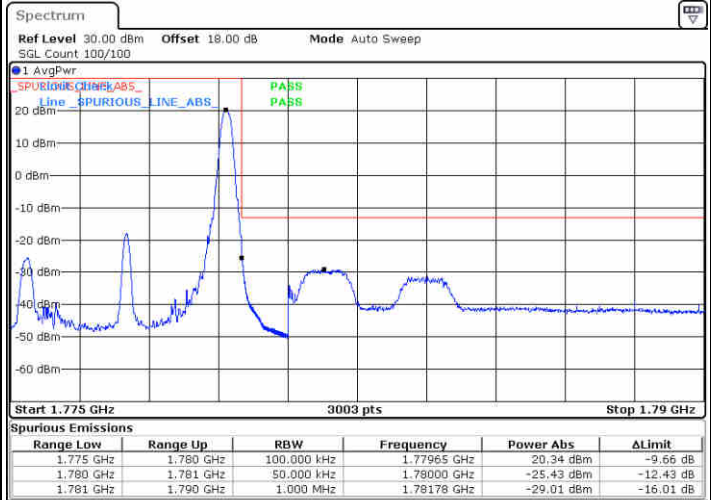
ULCA-13A-66A / SCC(66A) 5MHz / 16QAM

Lowest Band Edge / 1 RB



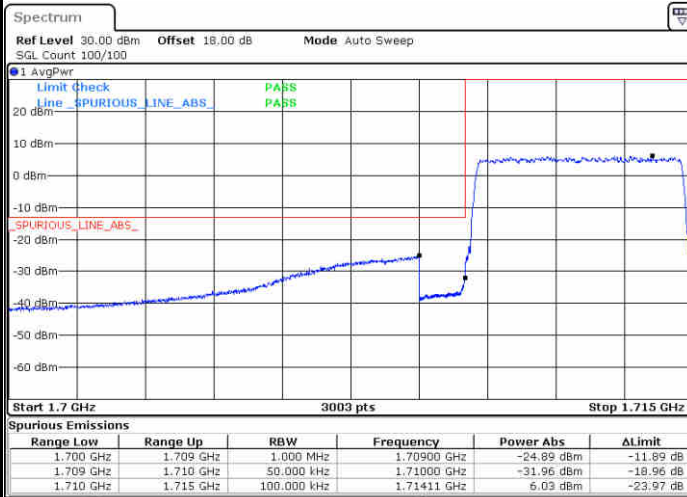
Date: 9, MAR, 2020 04:02:57

Highest Band Edge / 1 RB



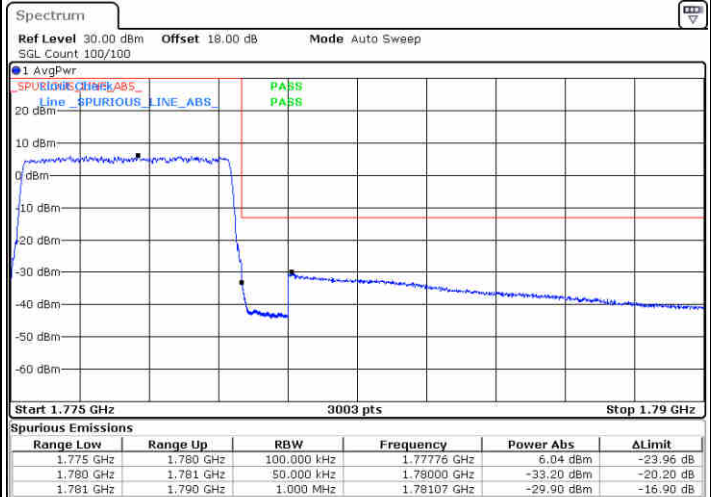
Date: 9, MAR, 2020 04:04:46

Lowest Band Edge / Full RB



Date: 9, MAR, 2020 03:47:32

Highest Band Edge / Full RB

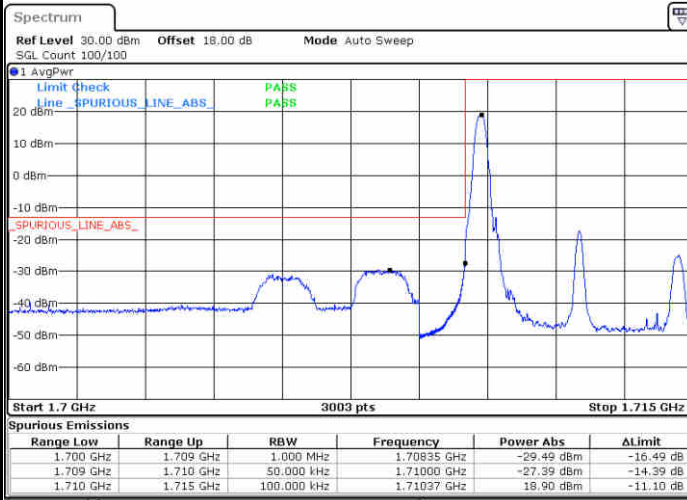


Date: 9, MAR, 2020 04:06:06



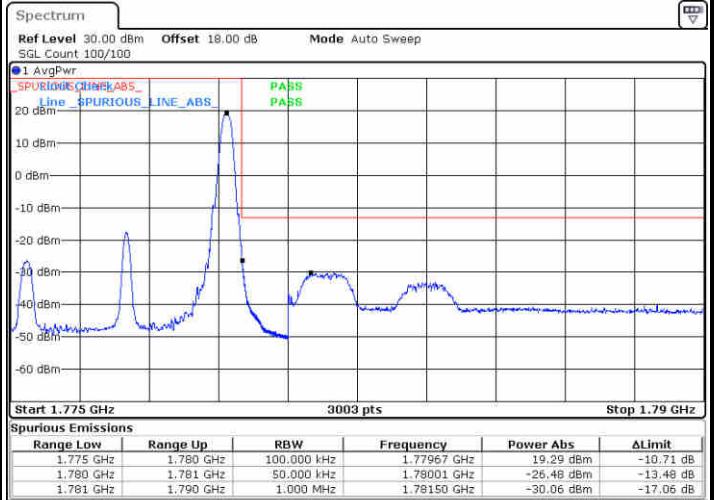
ULCA-13A-66A / SCC(66A) 5MHz / 64QAM

Lowest Band Edge / 1 RB



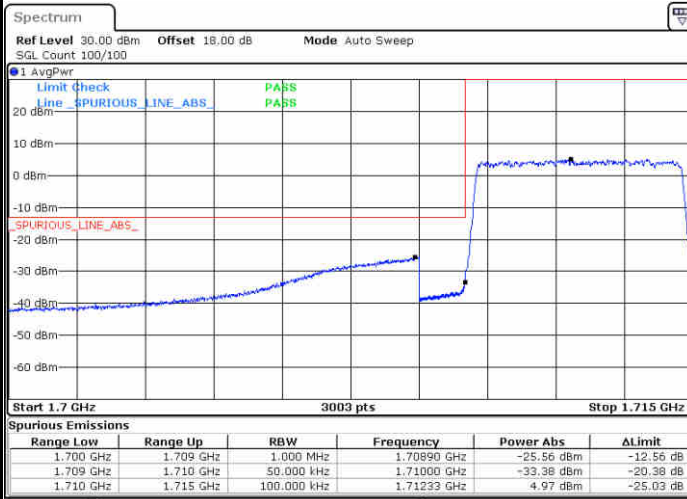
Date: 9.MAR.2020 03:49:07

Highest Band Edge / 1 RB



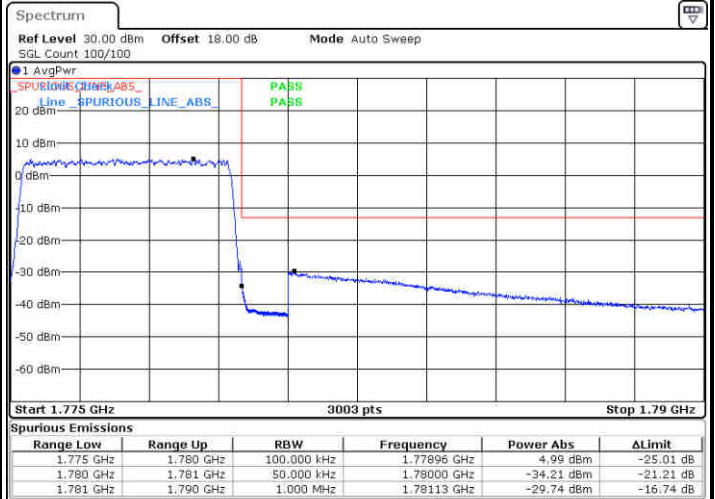
Date: 9.MAR.2020 04:05:13

Lowest Band Edge / Full RB



Date: 9.MAR.2020 03:47:53

Highest Band Edge / Full RB

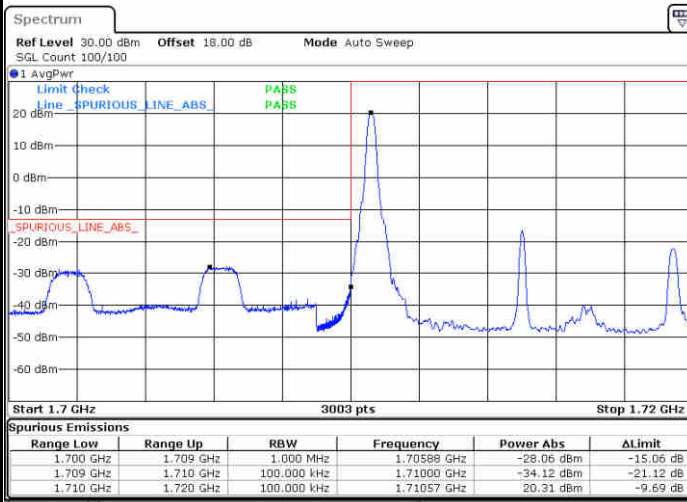


Date: 9.MAR.2020 04:05:41

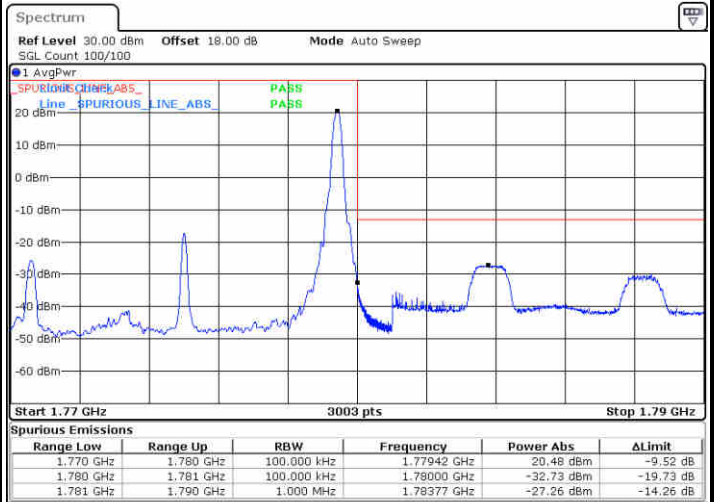


ULCA-13A-66A / SCC(66A) 10MHz / QPSK

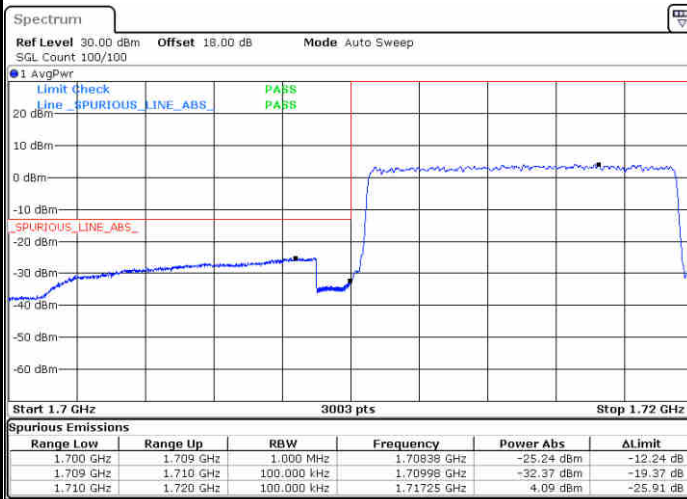
Lowest Band Edge / 1 RB



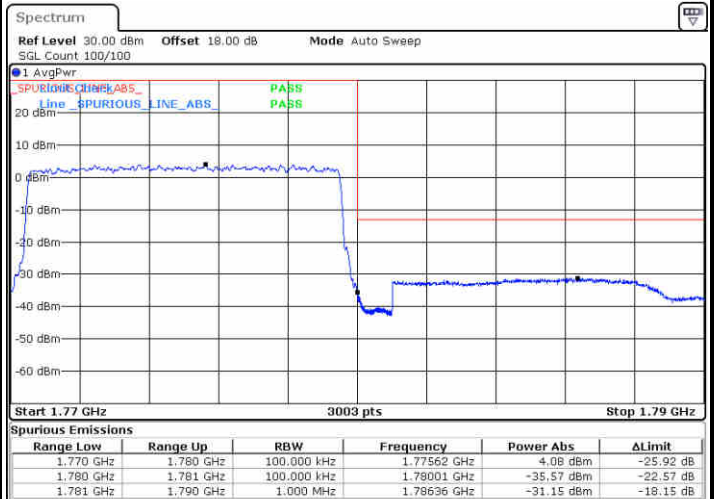
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



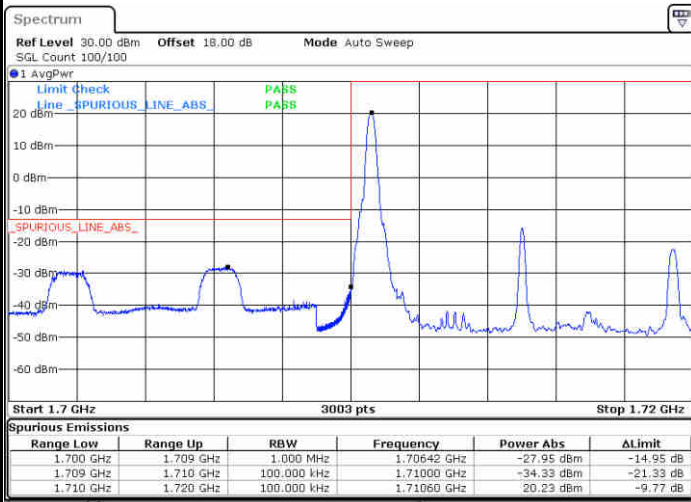
Highest Band Edge / Full RB





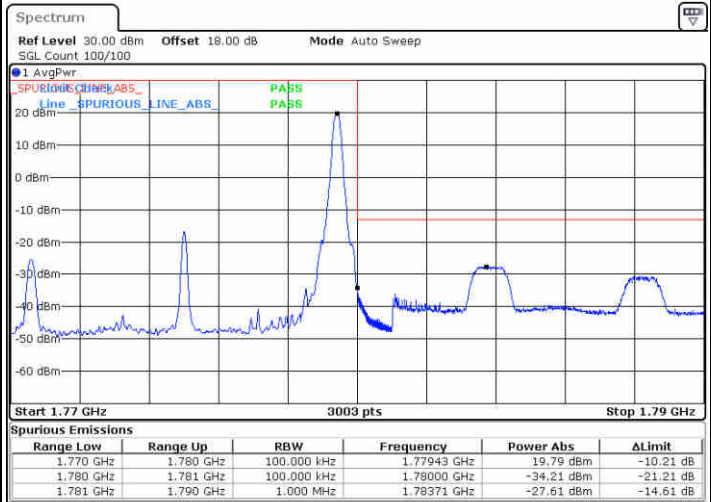
ULCA-13A-66A / SCC(66A) 10MHz / 16QAM

Lowest Band Edge / 1 RB



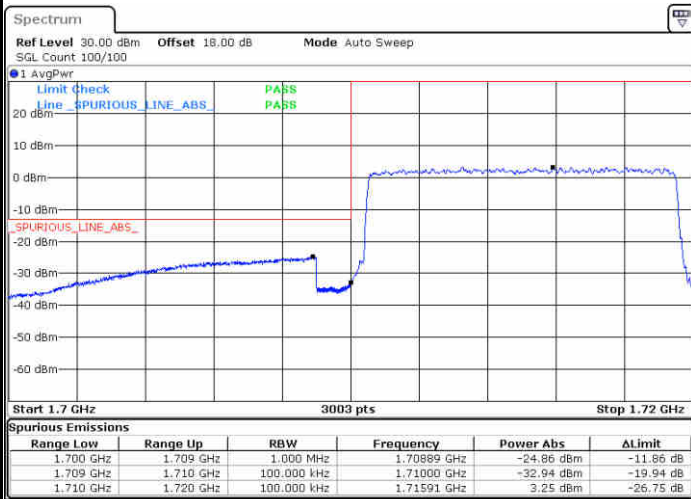
Date: 9.MAR.2020 04:12:43

Highest Band Edge / 1 RB



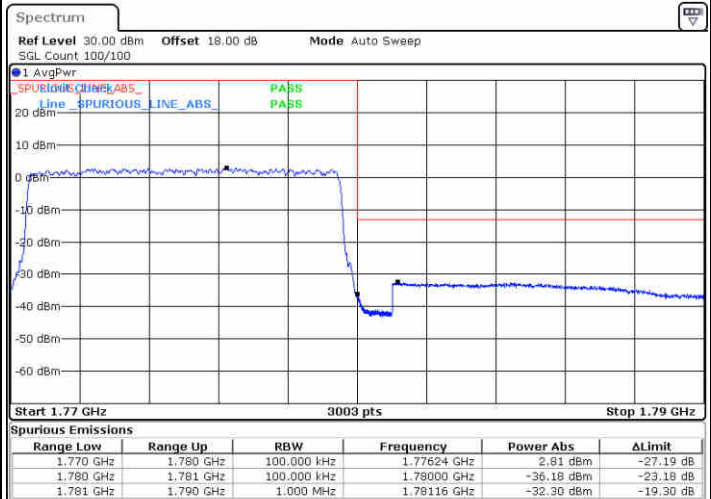
Date: 9.MAR.2020 04:14:35

Lowest Band Edge / Full RB



Date: 9.MAR.2020 04:11:36

Highest Band Edge / Full RB

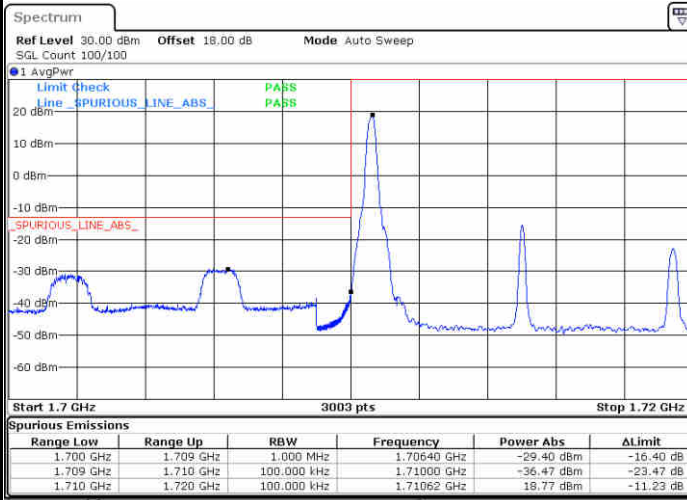


Date: 9.MAR.2020 04:16:05



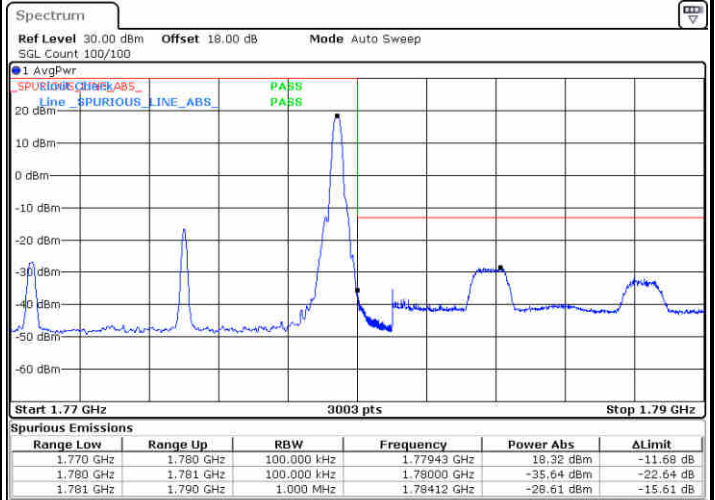
ULCA-13A-66A / SCC(66A) 10MHz / 64QAM

Lowest Band Edge / 1 RB



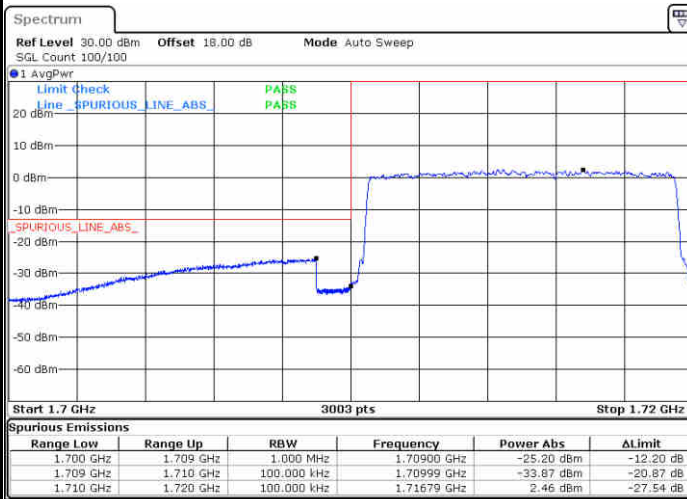
Date: 9.MAR.2020 04:12:21

Highest Band Edge / 1 RB



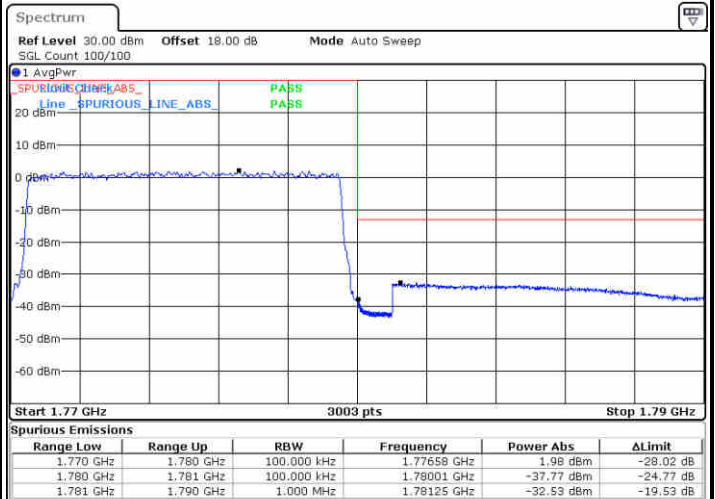
Date: 9.MAR.2020 04:15:16

Lowest Band Edge / Full RB



Date: 9.MAR.2020 04:11:56

Highest Band Edge / Full RB

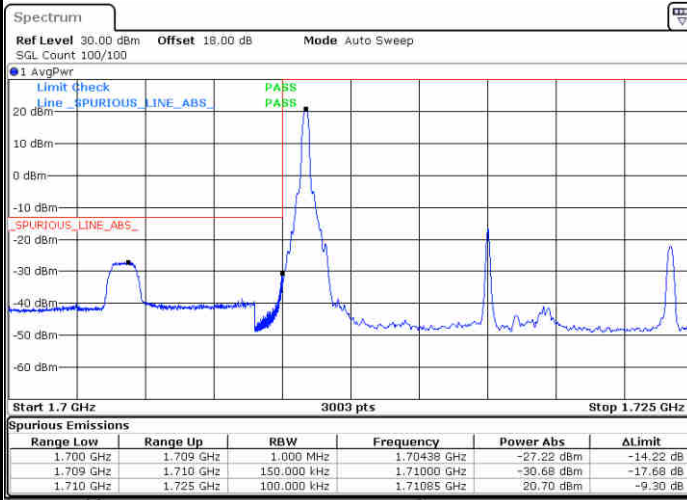


Date: 9.MAR.2020 04:15:42

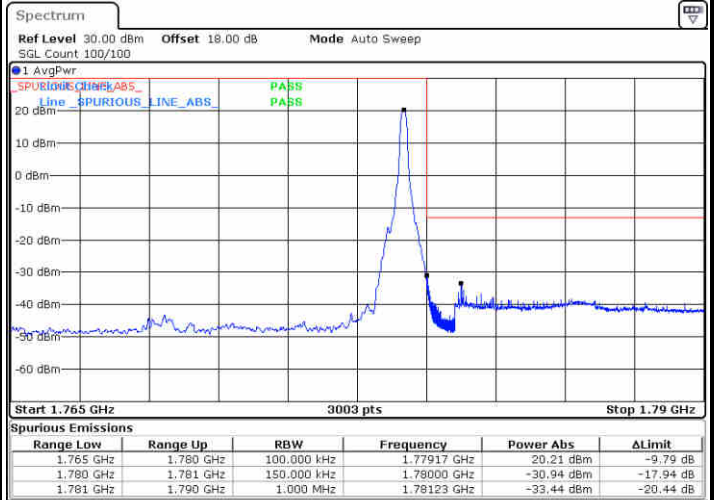


ULCA-13A-66A / SCC(66A) 15MHz / QPSK

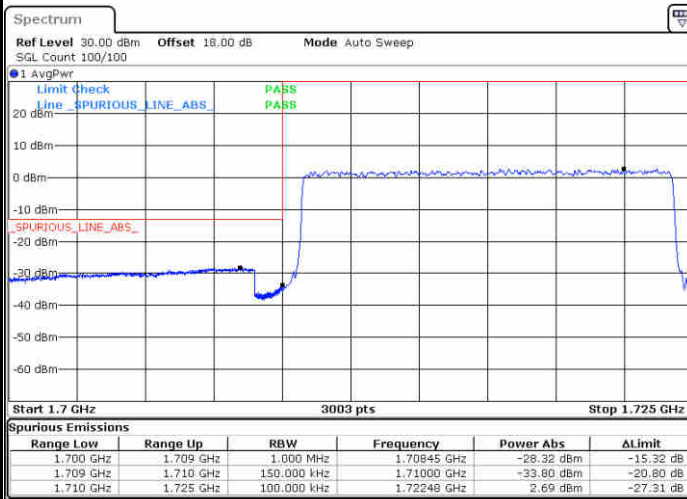
Lowest Band Edge / 1 RB



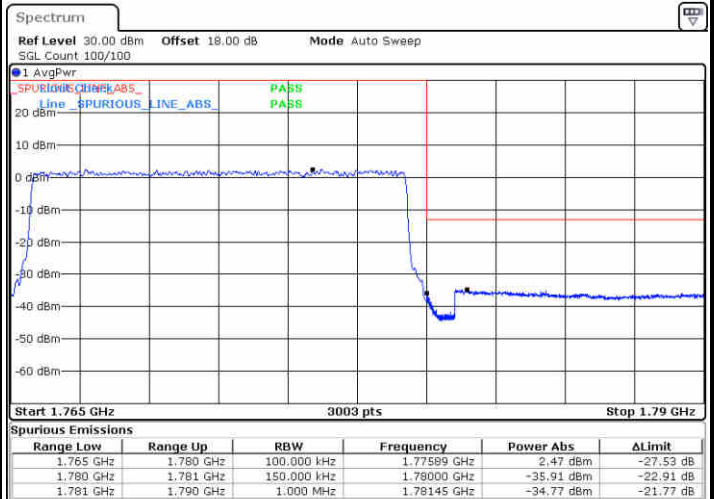
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



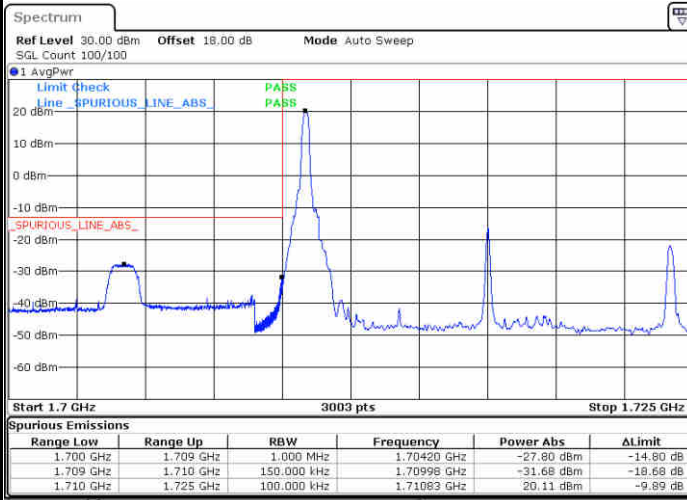
Highest Band Edge / Full RB





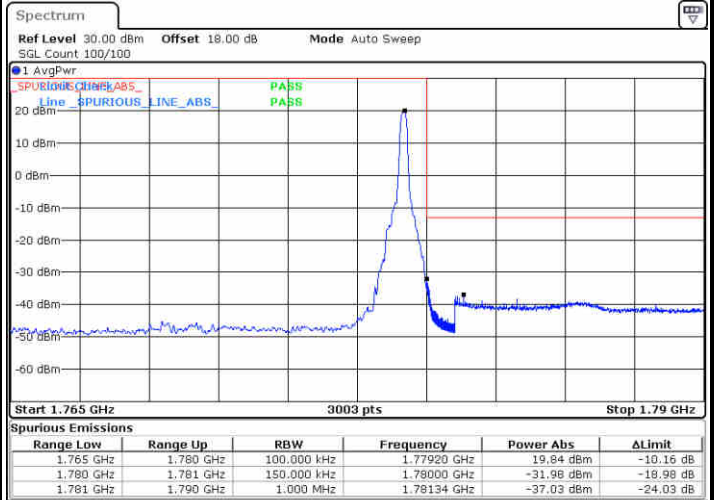
ULCA-13A-66A / SCC(66A) 15MHz / 16QAM

Lowest Band Edge / 1 RB



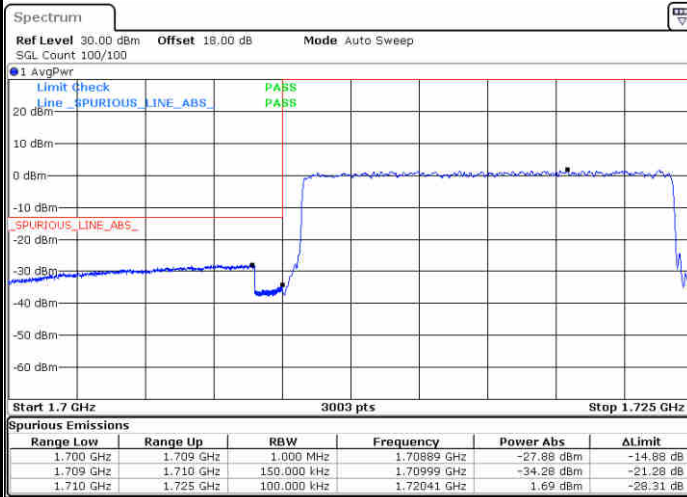
Date: 9.MAR.2020 04:19:07

Highest Band Edge / 1 RB



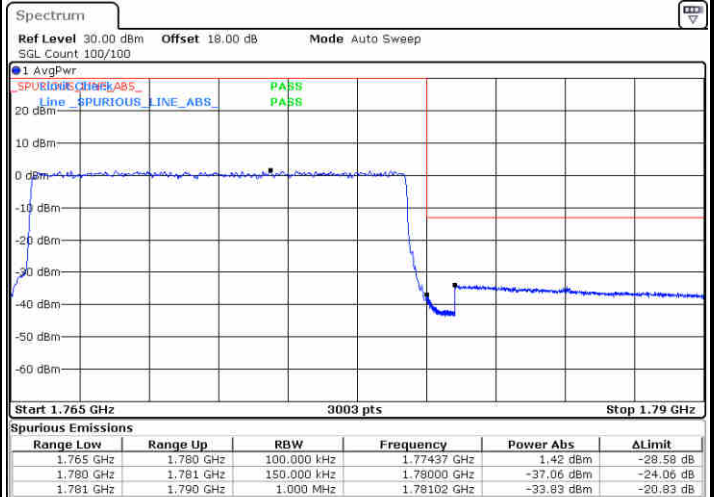
Date: 9.MAR.2020 04:20:23

Lowest Band Edge / Full RB



Date: 9.MAR.2020 04:17:48

Highest Band Edge / Full RB

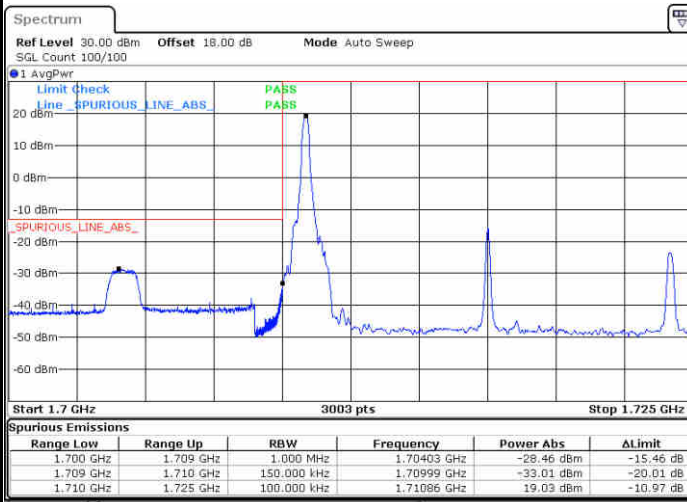


Date: 9.MAR.2020 04:21:18

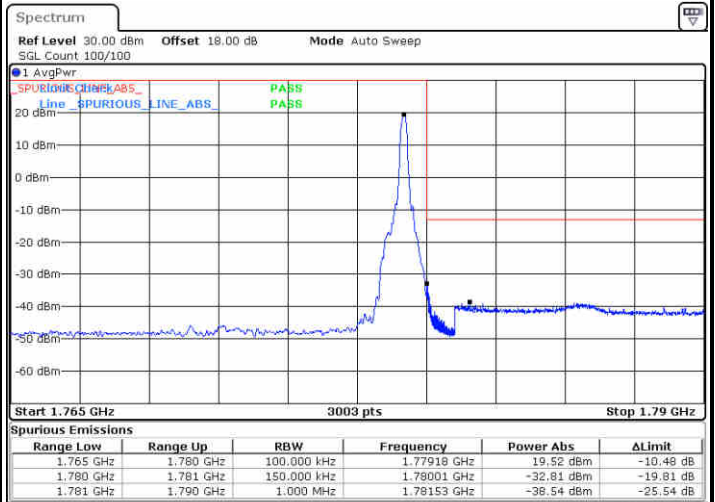


ULCA-13A-66A / SCC(66A) 15MHz / 64QAM

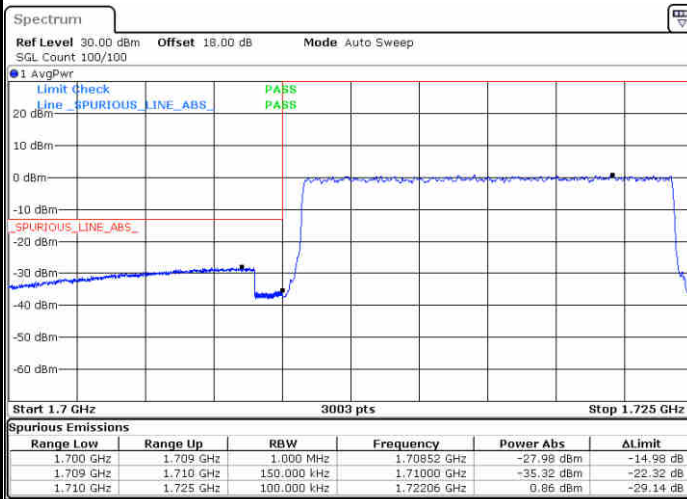
Lowest Band Edge / 1 RB



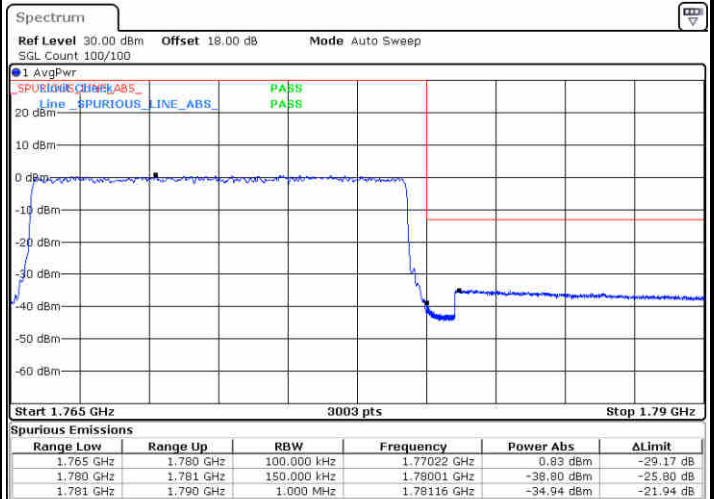
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



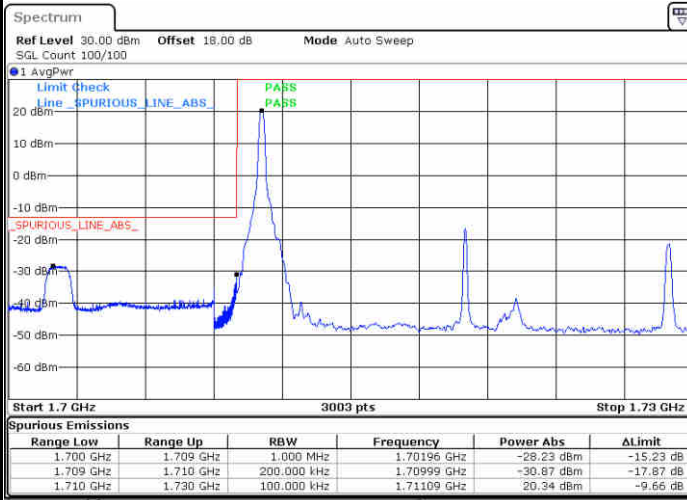
Highest Band Edge / Full RB





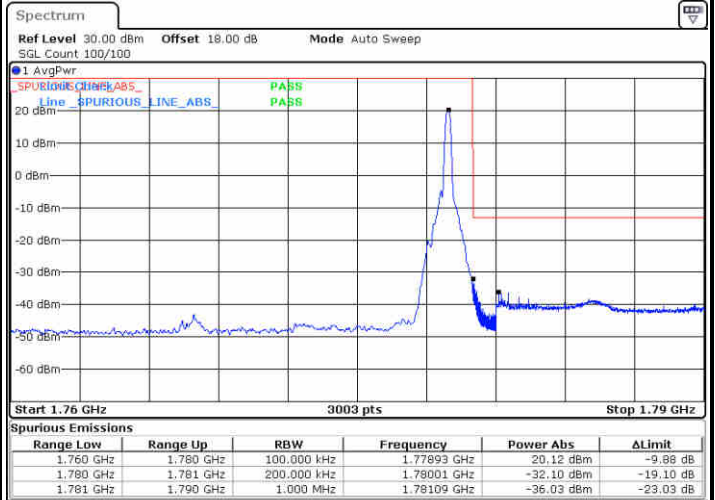
ULCA-13A-66A / SCC(66A) 20MHz / QPSK

Lowest Band Edge / 1 RB



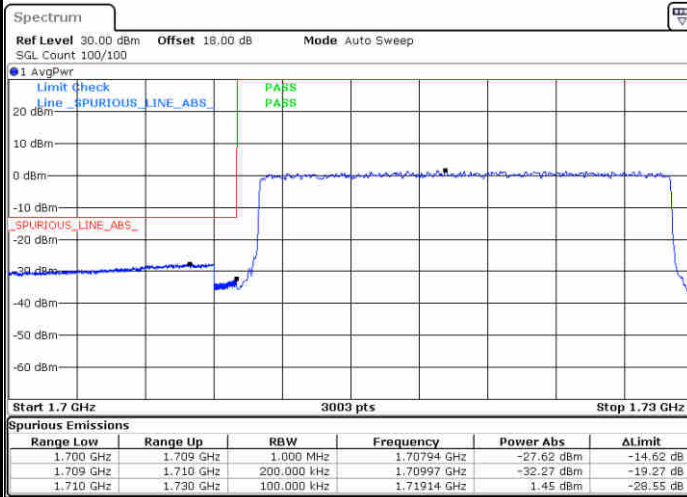
Date: 9.MAR.2020 04:23:52

Highest Band Edge / 1 RB



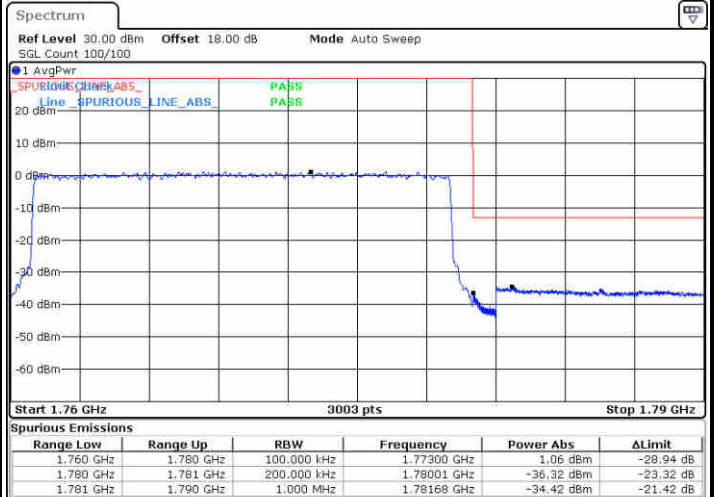
Date: 9.MAR.2020 04:24:27

Lowest Band Edge / Full RB



Date: 9.MAR.2020 04:22:20

Highest Band Edge / Full RB

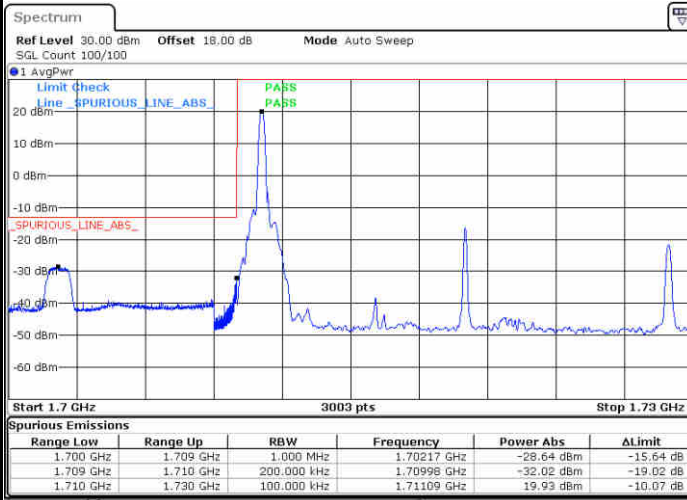


Date: 9.MAR.2020 04:25:55



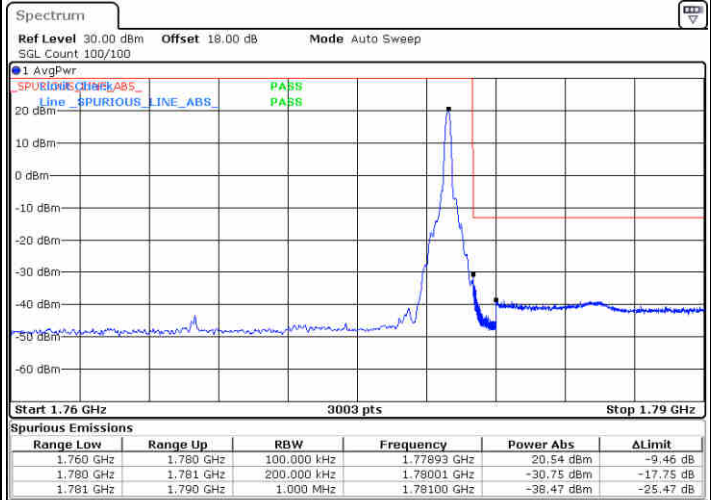
ULCA-13A-66A / SCC(66A) 20MHz / 16QAM

Lowest Band Edge / 1 RB



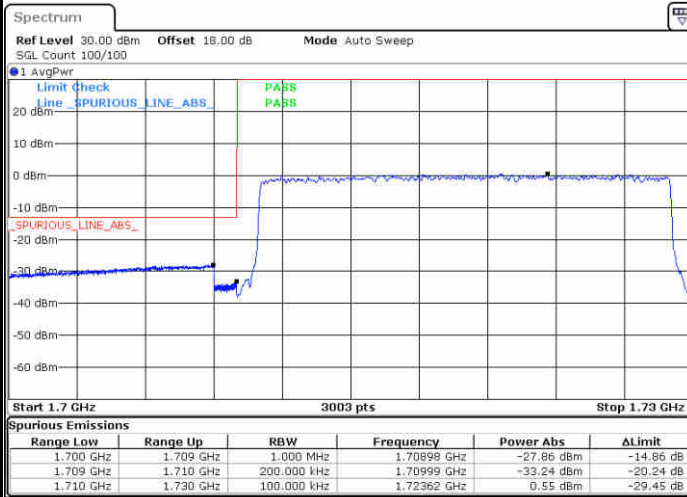
Date: 9.MAR.2020 04:23:33

Highest Band Edge / 1 RB



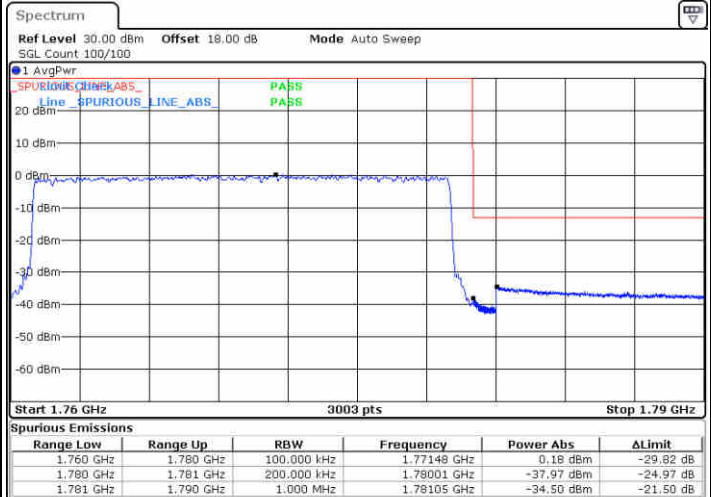
Date: 9.MAR.2020 04:24:44

Lowest Band Edge / Full RB



Date: 9.MAR.2020 04:22:40

Highest Band Edge / Full RB

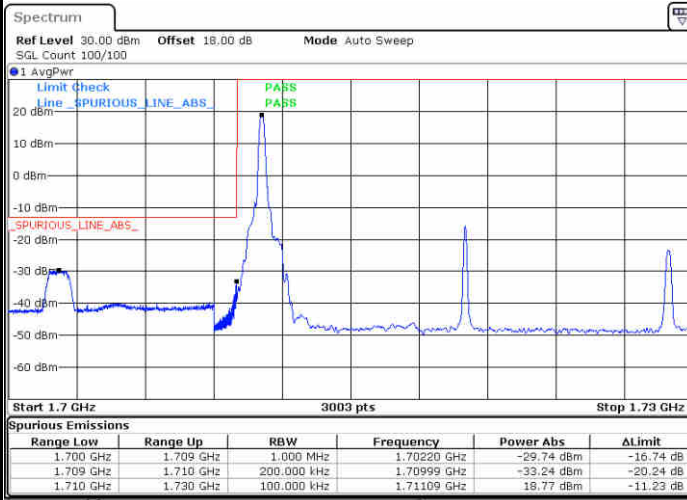


Date: 9.MAR.2020 04:25:37



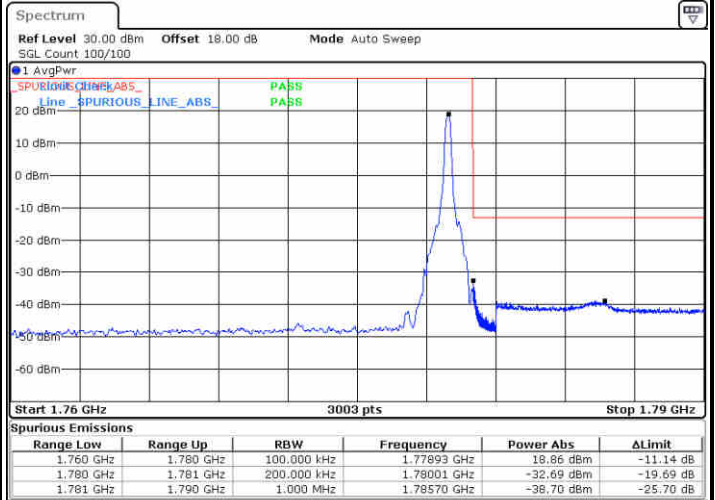
ULCA-13A-66A / SCC(66A) 20MHz / 64QAM

Lowest Band Edge / 1 RB



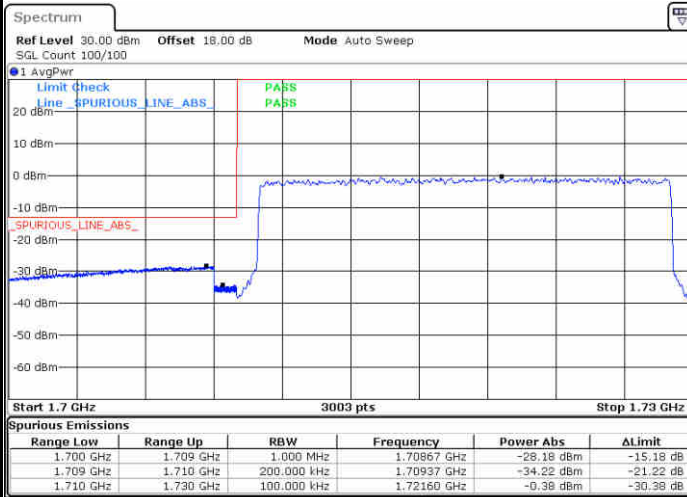
Date: 9.MAR.2020 04:23:15

Highest Band Edge / 1 RB



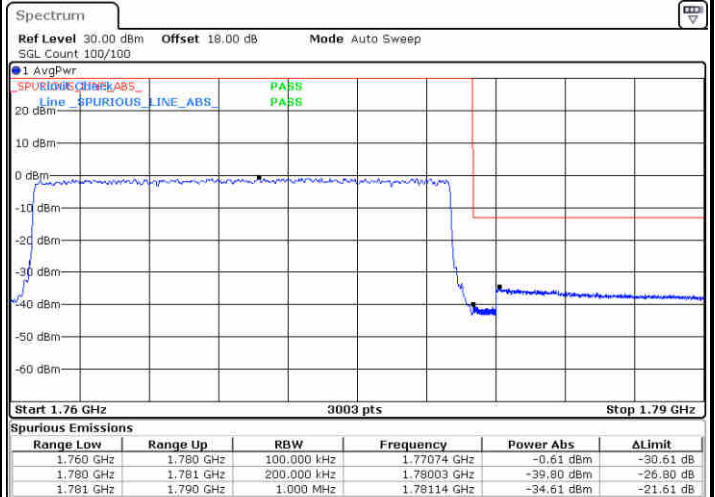
Date: 9.MAR.2020 04:25:01

Lowest Band Edge / Full RB



Date: 9.MAR.2020 04:22:55

Highest Band Edge / Full RB



Date: 9.MAR.2020 04:25:21



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Top Antenna

ULCA_2A-12A									
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)
LTE B2 BW 20MHz Lowest 1RB0,QPSK	3702.18	-60.57	-13	-47.57	-78.24	-67.33	5.82	12.58	H
	5553.27	-58.47	-13	-45.47	-80.01	-64.19	7.28	13.00	H
	7404.36	-54.14	-13	-41.14	-80.30	-57.30	8.32	11.48	H
	3702.18	-61.41	-13	-48.41	-78.41	-68.17	5.82	12.58	V
	5553.27	-59.60	-13	-46.60	-80.38	-65.32	7.28	13.00	V
	7404.36	-54.93	-13	-41.93	-80.38	-58.09	8.32	11.48	V
LTE B12 BW 10MHz Lowest 1RB49,QPSK	1399	-64.83	-13	-51.83	-74.47	-68.06	3.98	9.36	H
	2098.5	-62.21	-13	-49.21	-76.26	-65.76	4.85	10.55	H
	2798	-62.70	-13	-49.70	-76.82	-67.63	5.50	12.58	H
	1399	-64.77	-13	-51.77	-74.10	-68.00	3.98	9.36	V
	2098.5	-62.79	-13	-49.79	-76.51	-66.34	4.85	10.55	V
	2798	-63.03	-13	-50.03	-76.82	-67.96	5.50	12.58	V
LTE B2 BW 20MHz Middle 1RB0,QPSK	3742.18	-61.00	-13	-48.00	-78.79	-67.75	5.85	12.60	H
	5613.27	-59.36	-13	-46.36	-80.88	-65.16	7.30	13.10	H
	7484.36	-55.94	-13	-42.94	-81.60	-59.09	8.35	11.50	H
	3742.18	-61.74	-13	-48.74	-78.8	-68.49	5.85	12.60	V
	5613.27	-60.10	-13	-47.10	-80.97	-65.90	7.30	13.10	V
	7484.36	-56.22	-13	-43.22	-81.24	-59.37	8.35	11.50	V
LTE B12 BW 10MHz Middle 1RB49,QPSK	1406	-64.21	-13	-51.21	-73.98	-67.46	4.00	9.40	H
	2109	-61.40	-13	-48.40	-75.45	-64.97	4.88	10.60	H
	2812	-62.34	-13	-49.34	-76.51	-67.27	5.52	12.60	H
	1406	-64.28	-13	-51.28	-73.72	-67.53	4.00	9.40	V
	2109	-62.39	-13	-49.39	-76.11	-65.96	4.88	10.60	V
	2812	-62.65	-13	-49.65	-76.49	-67.58	5.52	12.60	V
LTE B2 BW 20MHz Highest 1RB0,QPSK	3782.18	-60.72	-13	-47.72	-78.68	-67.46	5.88	12.62	H
	5673.27	-58.59	-13	-45.59	-80.21	-64.40	7.32	13.13	H
	7564.36	-55.46	-13	-42.46	-80.51	-58.62	8.38	11.54	H
	3782.18	-61.24	-13	-48.24	-78.37	-67.98	5.88	12.62	V
	5673.27	-59.83	-13	-46.83	-80.44	-65.64	7.32	13.13	V
	7564.36	-56.30	-13	-43.30	-80.81	-59.46	8.38	11.54	V
LTE B12 BW 10MHz Highest 1RB49,QPSK	1413	-64.56	-13	-51.56	-74.33	-67.73	4.10	9.42	H
	2119.5	-62.01	-13	-49.01	-76.20	-65.59	4.90	10.63	H
	2826	-62.77	-13	-49.77	-76.95	-67.69	5.55	12.62	H
	1413	-64.83	-13	-51.83	-74.27	-68.00	4.10	9.42	V
	2119.5	-62.76	-13	-49.76	-76.64	-66.34	4.90	10.63	V
	2826	-63.20	-13	-50.20	-77.05	-68.12	5.55	12.62	V

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



ULCA_2A-13A									
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)
LTE B2 BW 20MHz Lowest 1RB0,QPSK	3702.18	-61.08	-13	-48.08	-78.75	-67.84	5.82	12.58	H
	5553.27	-59.16	-13	-46.16	-80.70	-64.88	7.28	13.00	H
	7404.36	-54.93	-13	-41.93	-81.09	-58.09	8.32	11.48	H
	3702.18	-62.00	-13	-49.00	-79	-68.76	5.82	12.58	V
	5553.27	-59.83	-13	-46.83	-80.61	-65.55	7.28	13.00	V
	7404.36	-55.72	-13	-42.72	-81.17	-58.88	8.32	11.48	V
LTE B13 BW 10MHz Lowest 1RB25,QPSK	1555	-66.11	-13	-53.11	-75.25	-69.34	3.98	9.36	H
	2332.5	-62.97	-13	-49.97	-76.93	-66.52	4.85	10.55	H
	3110	-61.94	-13	-48.94	-77.29	-66.87	5.50	12.58	H
	1555	-66.44	-13	-53.44	-75.09	-69.67	3.98	9.36	V
	2332.5	-63.14	-13	-50.14	-76.86	-66.69	4.85	10.55	V
	3110	-62.11	-13	-49.11	-77.10	-67.04	5.50	12.58	V
LTE B2 BW 20MHz Middle 1RB0,QPSK	3742.18	-60.88	-13	-47.88	-78.67	-67.63	5.85	12.60	H
	5613.27	-59.27	-13	-46.27	-80.79	-65.07	7.30	13.10	H
	7484.36	-55.29	-13	-42.29	-80.95	-58.44	8.35	11.50	H
	3742.18	-61.80	-13	-48.80	-78.86	-68.55	5.85	12.60	V
	5613.27	-59.65	-13	-46.65	-80.52	-65.45	7.30	13.10	V
	7484.36	-56.28	-13	-43.28	-81.3	-59.43	8.35	11.50	V
LTE B13 BW 10MHz Middle 1RB25,QPSK	1555	-65.67	-13	-52.67	-74.81	-68.92	4.00	9.40	H
	2332.5	-62.57	-13	-49.57	-76.53	-66.14	4.88	10.60	H
	3110	-61.72	-13	-48.72	-77.07	-66.65	5.52	12.60	H
	1555	-66.36	-13	-53.36	-75.01	-69.61	4.00	9.40	V
	2332.5	-62.96	-13	-49.96	-76.68	-66.53	4.88	10.60	V
	3110	-61.99	-13	-48.99	-76.98	-66.92	5.52	12.60	V
LTE B2 BW 20MHz Highest 1RB0,QPSK	3782.18	-61.24	-13	-48.24	-79.20	-67.98	5.88	12.62	H
	5673.27	-58.98	-13	-45.98	-80.60	-64.79	7.32	13.13	H
	7564.36	-56.06	-13	-43.06	-81.11	-59.22	8.38	11.54	H
	3782.18	-61.93	-13	-48.93	-79.06	-68.67	5.88	12.62	V
	5673.27	-60.15	-13	-47.15	-80.76	-65.96	7.32	13.13	V
	7564.36	-56.65	-13	-43.65	-81.16	-59.81	8.38	11.54	V
LTE B13 BW 10MHz Highest 1RB25,QPSK	1555	-66.08	-13	-53.08	-75.22	-69.25	4.10	9.42	H
	2332.5	-62.95	-13	-49.95	-76.91	-66.53	4.90	10.63	H
	3110	-61.73	-13	-48.73	-77.08	-66.65	5.55	12.62	H
	1555	-66.58	-13	-53.58	-75.23	-69.75	4.10	9.42	V
	2332.5	-63.10	-13	-50.10	-76.82	-66.68	4.90	10.63	V
	3110	-62.28	-13	-49.28	-77.27	-67.20	5.55	12.62	V

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



ULCA_4A-12A									
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)
LTE B4 BW 20MHz Lowest 1RB49,QPSK	3422.18	-62.95	-13	-49.95	-77.50	-69.71	5.82	12.58	H
	5133.27	-58.65	-13	-45.65	-76.02	-64.37	7.28	13.00	H
	6844.36	-56.90	-13	-43.90	-80.65	-60.06	8.32	11.48	H
	3422.18	-63.62	-13	-50.62	-78.65	-70.38	5.82	12.58	V
	5133.27	-59.77	-13	-46.77	-77.9	-65.49	7.28	13.00	V
	6844.36	-57.46	-13	-44.46	-80.78	-60.62	8.32	11.48	V
LTE B12 BW 10MHz Lowest 1RB49,QPSK	1399	-65.34	-13	-52.34	-74.98	-68.57	3.98	9.36	H
	2098.5	-63.32	-13	-50.32	-77.37	-66.87	4.85	10.55	H
	2798	-62.70	-13	-49.70	-76.82	-67.63	5.50	12.58	H
	1399	-65.54	-13	-52.54	-74.87	-68.77	3.98	9.36	V
	2098.5	-63.18	-13	-50.18	-76.90	-66.73	4.85	10.55	V
	2798	-63.10	-13	-50.10	-76.89	-68.03	5.50	12.58	V
LTE B4 BW 20MHz Middle 1RB49,QPSK	3447.18	-63.42	-13	-50.42	-78.71	-70.17	5.85	12.60	H
	5170.77	-59.06	-13	-46.06	-80.82	-64.86	7.30	13.10	H
	6894.36	-56.93	-13	-43.93	-80.72	-60.08	8.35	11.50	H
	3447.18	-63.39	-13	-50.39	-78.19	-70.14	5.85	12.60	V
	5170.77	-58.43	-13	-45.43	-79.26	-64.23	7.30	13.10	V
	6894.36	-57.49	-13	-44.49	-80.69	-60.64	8.35	11.50	V
LTE B12 BW 10MHz Middle 1RB49,QPSK	1406	-64.87	-13	-51.87	-74.64	-68.12	4.00	9.40	H
	2109	-63.22	-13	-50.22	-77.27	-66.79	4.88	10.60	H
	2812	-63.09	-13	-50.09	-77.26	-68.02	5.52	12.60	H
	1406	-65.52	-13	-52.52	-74.96	-68.77	4.00	9.40	V
	2109	-63.64	-13	-50.64	-77.36	-67.21	4.88	10.60	V
	2812	-63.39	-13	-50.39	-77.23	-68.32	5.52	12.60	V
LTE B4 BW 20MHz Highest 1RB49,QPSK	3472.18	-62.07	-13	-49.07	-77.59	-68.81	5.88	12.62	H
	5208.27	-59.26	-13	-46.26	-80.65	-65.07	7.32	13.13	H
	6944.36	-57.19	-13	-44.19	-80.84	-60.35	8.38	11.54	H
	3472.18	-62.48	-13	-49.48	-77.51	-69.22	5.88	12.62	V
	5208.27	-57.67	-13	-44.67	-77.99	-63.48	7.32	13.13	V
	6944.36	-58.04	-13	-45.04	-81.41	-61.20	8.38	11.54	V
LTE B12 BW 10MHz Highest 1RB49,QPSK	1413	-65.22	-13	-52.22	-74.99	-68.39	4.10	9.42	H
	2119.5	-57.51	-13	-44.51	-71.70	-61.09	4.90	10.63	H
	2826	-62.61	-13	-49.61	-76.79	-67.53	5.55	12.62	H
	1413	-65.39	-13	-52.39	-74.83	-68.56	4.10	9.42	V
	2119.5	-62.91	-13	-49.91	-76.79	-66.49	4.90	10.63	V
	2826	-63.16	-13	-50.16	-77.01	-68.08	5.55	12.62	V

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



ULCA_4A-13A									
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)
LTE B4 BW 20MHz Lowest 1RB49,QPSK	3422.18	-63.24	-13	-50.24	-78.08	-70.00	5.82	12.58	H
	5133.27	-59.30	-13	-46.30	-81.01	-65.02	7.28	13.00	H
	6844.36	-56.91	-13	-43.91	-80.82	-60.07	8.32	11.48	H
	3422.18	-63.49	-13	-50.49	-77.83	-70.25	5.82	12.58	V
	5133.27	-60.08	-13	-47.08	-81.01	-65.80	7.28	13.00	V
	6844.36	-57.78	-13	-44.78	-80.81	-60.94	8.32	11.48	V
LTE B13 BW 10MHz Lowest 1RB25,QPSK	1555	-66.39	-13	-53.39	-75.53	-69.62	3.98	9.36	H
	2332.5	-63.52	-13	-50.52	-77.48	-67.07	4.85	10.55	H
	3110	-62.55	-13	-49.55	-77.90	-67.48	5.50	12.58	H
	1555	-66.79	-13	-53.79	-75.44	-70.02	3.98	9.36	V
	2332.5	-63.90	-13	-50.90	-77.62	-67.45	4.85	10.55	V
	3110	-63.10	-13	-50.10	-78.09	-68.03	5.50	12.58	V
LTE B4 BW 20MHz Middle 1RB49,QPSK	3447.18	-63.55	-13	-50.55	-78.84	-70.30	5.85	12.60	H
	5170.77	-59.30	-13	-46.30	-81.06	-65.10	7.30	13.10	H
	6894.36	-56.87	-13	-43.87	-80.66	-60.02	8.35	11.50	H
	3447.18	-64.00	-13	-51.00	-78.8	-70.75	5.85	12.60	V
	5170.77	-60.10	-13	-47.10	-80.93	-65.90	7.30	13.10	V
	6894.36	-57.54	-13	-44.54	-80.74	-60.69	8.35	11.50	V
LTE B13 BW 10MHz Middle 1RB25,QPSK	1555	-66.03	-13	-53.03	-75.17	-69.28	4.00	9.40	H
	2332.5	-63.66	-13	-50.66	-77.62	-67.23	4.88	10.60	H
	3110	-62.25	-13	-49.25	-77.60	-67.18	5.52	12.60	H
	1555	-65.88	-13	-52.88	-74.53	-69.13	4.00	9.40	V
	2332.5	-63.51	-13	-50.51	-77.23	-67.08	4.88	10.60	V
	3110	-62.81	-13	-49.81	-77.80	-67.74	5.52	12.60	V
LTE B4 BW 20MHz Highest 1RB49,QPSK	3472.18	-62.85	-13	-49.85	-78.37	-69.59	5.88	12.62	H
	5208.27	-59.25	-13	-46.25	-80.64	-65.06	7.32	13.13	H
	6944.36	-57.66	-13	-44.66	-81.31	-60.82	8.38	11.54	H
	3472.18	-63.04	-13	-50.04	-78.07	-69.78	5.88	12.62	V
	5208.27	-60.34	-13	-47.34	-80.66	-66.15	7.32	13.13	V
	6944.36	-57.93	-13	-44.93	-81.3	-61.09	8.38	11.54	V
LTE B13 BW 10MHz Highest 1RB25,QPSK	1555	-66.10	-13	-53.10	-75.24	-69.27	4.10	9.42	H
	2332.5	-63.18	-13	-50.18	-77.14	-66.76	4.90	10.63	H
	3110	-62.40	-13	-49.40	-77.75	-67.32	5.55	12.62	H
	1555	-66.29	-13	-53.29	-74.94	-69.46	4.10	9.42	V
	2332.5	-63.76	-13	-50.76	-77.48	-67.34	4.90	10.63	V
	3110	-61.93	-13	-48.93	-76.92	-66.85	5.55	12.62	V

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



ULCA_12A-66A									
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)
LTE B12 BW 10MHz Lowest 1RB49,QPSK	1399	-65.47	-13	-52.47	-75.11	-68.70	3.98	9.36	H
	2098.5	-61.85	-13	-48.85	-75.90	-65.40	4.85	10.55	H
	2798	-63.27	-13	-50.27	-77.39	-68.20	5.50	12.58	H
	1399	-65.67	-13	-52.67	-75.00	-68.90	3.98	9.36	V
	2098.5	-63.76	-13	-50.76	-77.48	-67.31	4.85	10.55	V
	2798	-63.53	-13	-50.53	-77.32	-68.46	5.50	12.58	V
LTE B66 BW 20MHz Lowest 1RB0,QPSK	3422	-63.55	-13	-50.55	-78.39	-70.31	5.82	12.58	H
	5133	-59.58	-13	-46.58	-81.29	-65.30	7.28	13.00	H
	6844	-57.46	-13	-44.46	-81.37	-60.62	8.32	11.48	H
	3422	-63.69	-13	-50.69	-78.03	-70.45	5.82	12.58	V
	5133	-60.56	-13	-47.56	-81.49	-66.28	7.28	13.00	V
	6844	-57.99	-13	-44.99	-81.02	-61.15	8.32	11.48	V
LTE B12 BW 10MHz Middle 1RB49,QPSK	1406	-65.27	-13	-52.27	-75.04	-68.52	4.00	9.40	H
	2109	-62.82	-13	-49.82	-76.87	-66.39	4.88	10.60	H
	2812	-63.09	-13	-50.09	-77.26	-68.02	5.52	12.60	H
	1406	-65.68	-13	-52.68	-75.12	-68.93	4.00	9.40	V
	2109	-63.71	-13	-50.71	-77.43	-67.28	4.88	10.60	V
	2812	-63.30	-13	-50.30	-77.14	-68.23	5.52	12.60	V
LTE B66 BW 20MHz Middle 1RB0,QPSK	3472	-62.80	-13	-49.80	-78.32	-69.55	5.85	12.60	H
	5208	-59.69	-13	-46.69	-81.08	-65.49	7.30	13.10	H
	6944	-58.08	-13	-45.08	-81.73	-61.23	8.35	11.50	H
	3472	-63.21	-13	-50.21	-78.24	-69.96	5.85	12.60	V
	5208	-60.32	-13	-47.32	-80.64	-66.12	7.30	13.10	V
	6944	-58.35	-13	-45.35	-81.72	-61.50	8.35	11.50	V
LTE B12 BW 10MHz Highest 1RB49,QPSK	1413	-64.84	-13	-51.84	-74.61	-68.01	4.10	9.42	H
	2119.5	-60.27	-13	-47.27	-74.46	-63.85	4.90	10.63	H
	2826	-62.69	-13	-49.69	-76.87	-67.61	5.55	12.62	H
	1413	-65.58	-13	-52.58	-75.02	-68.75	4.10	9.42	V
	2119.5	-63.67	-13	-50.67	-77.55	-67.25	4.90	10.63	V
	2826	-63.31	-13	-50.31	-77.16	-68.23	5.55	12.62	V
LTE B66 BW 20MHz Highest 1RB0,QPSK	3522	-62.31	-13	-49.31	-78.50	-69.05	5.88	12.62	H
	5283	-60.31	-13	-47.31	-81.07	-66.12	7.32	13.13	H
	7044	-57.13	-13	-44.13	-81.27	-60.29	8.38	11.54	H
	3522	-62.74	-13	-49.74	-78.45	-69.48	5.88	12.62	V
	5283	-61.40	-13	-48.40	-81.1	-67.21	7.32	13.13	V
	7044	-57.22	-13	-44.22	-81.19	-60.38	8.38	11.54	V

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



ULCA_13A-66A									
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)
LTE B13 BW 10MHz Lowest 1RB25,QPSK	1555	-66.16	-13	-53.16	-75.30	-69.39	3.98	9.36	H
	2332.5	-62.37	-13	-49.37	-76.33	-65.92	4.85	10.55	H
	3110	-62.38	-13	-49.38	-77.73	-67.31	5.50	12.58	H
	1555	-66.68	-13	-53.68	-75.33	-69.91	3.98	9.36	V
	2332.5	-63.47	-13	-50.47	-77.19	-67.02	4.85	10.55	V
	3110	-62.76	-13	-49.76	-77.75	-67.69	5.50	12.58	V
LTE B66 BW 20MHz Lowest 1RB0,QPSK	3422	-63.70	-13	-50.70	-78.54	-70.46	5.82	12.58	H
	5133	-58.89	-13	-45.89	-80.60	-64.61	7.28	13.00	H
	6844	-56.86	-13	-43.86	-80.77	-60.02	8.32	11.48	H
	3422	-64.33	-13	-51.33	-78.67	-71.09	5.82	12.58	V
	5133	-59.89	-13	-46.89	-80.82	-65.61	7.28	13.00	V
	6844	-58.02	-13	-45.02	-81.05	-61.18	8.32	11.48	V
LTE B13 BW 10MHz Middle 1RB25,QPSK	1555	-65.98	-13	-52.98	-75.12	-69.23	4.00	9.40	H
	2332.5	-62.19	-13	-49.19	-76.15	-65.76	4.88	10.60	H
	3110	-62.48	-13	-49.48	-77.83	-67.41	5.52	12.60	H
	1555	-66.58	-13	-53.58	-75.23	-69.83	4.00	9.40	V
	2332.5	-63.40	-13	-50.40	-77.12	-66.97	4.88	10.60	V
	3110	-62.75	-13	-49.75	-77.74	-67.68	5.52	12.60	V
LTE B66 BW 20MHz Middle 1RB0,QPSK	3472	-63.23	-13	-50.23	-78.75	-69.98	5.85	12.60	H
	5208	-59.26	-13	-46.26	-80.65	-65.06	7.30	13.10	H
	6944	-57.77	-13	-44.77	-81.42	-60.92	8.35	11.50	H
	3472	-63.89	-13	-50.89	-78.92	-70.64	5.85	12.60	V
	5208	-60.11	-13	-47.11	-80.43	-65.91	7.30	13.10	V
	6944	-58.13	-13	-45.13	-81.5	-61.28	8.35	11.50	V
LTE B13 BW 10MHz Highest 1RB25,QPSK	1555	-66.31	-13	-53.31	-75.45	-69.48	4.10	9.42	H
	2332.5	-62.46	-13	-49.46	-76.42	-66.04	4.90	10.63	H
	3110	-62.43	-13	-49.43	-77.78	-67.35	5.55	12.62	H
	1555	-66.36	-13	-53.36	-75.01	-69.53	4.10	9.42	V
	2332.5	-63.82	-13	-50.82	-77.54	-67.40	4.90	10.63	V
	3110	-62.79	-13	-49.79	-77.78	-67.71	5.55	12.62	V
LTE B66 BW 20MHz Highest 1RB0,QPSK	3522	-62.60	-13	-49.60	-78.79	-69.34	5.88	12.62	H
	5283	-60.08	-13	-47.08	-80.84	-65.89	7.32	13.13	H
	7044	-57.03	-13	-44.03	-81.17	-60.19	8.38	11.54	H
	3522	-62.73	-13	-49.73	-78.44	-69.47	5.88	12.62	V
	5283	-61.25	-13	-48.25	-80.95	-67.06	7.32	13.13	V
	7044	-56.21	-13	-43.21	-80.18	-59.37	8.38	11.54	V

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



Bottom Antenna

ULCA_2A-12A									
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)
LTE B2 BW 20MHz Lowest 1RB0,QPSK	3702.18	-61.31	-13	-48.31	-78.98	-68.07	5.82	12.58	H
	5553.27	-59.37	-13	-46.37	-80.91	-65.09	7.28	13.00	H
	7404.36	-55.05	-13	-42.05	-81.21	-58.21	8.32	11.48	H
	3702.18	-62.12	-13	-49.12	-79.12	-68.88	5.82	12.58	V
	5553.27	-59.97	-13	-46.97	-80.75	-65.69	7.28	13.00	V
	7404.36	-55.69	-13	-42.69	-81.14	-58.85	8.32	11.48	V
LTE B12 BW 10MHz Lowest 1RB49,QPSK	1399	-64.39	-13	-51.39	-74.03	-67.62	3.98	9.36	H
	2098.5	-62.29	-13	-49.29	-76.34	-65.84	4.85	10.55	H
	2798	-62.61	-13	-49.61	-76.73	-67.54	5.50	12.58	H
	1399	-64.86	-13	-51.86	-74.19	-68.09	3.98	9.36	V
	2098.5	-62.79	-13	-49.79	-76.51	-66.34	4.85	10.55	V
	2798	-62.99	-13	-49.99	-76.78	-67.92	5.50	12.58	V
LTE B2 BW 20MHz Middle 1RB0,QPSK	3742.18	-64.55	-13	-51.55	-78.42	-71.30	5.85	12.60	H
	5613.27	-62.02	-13	-49.02	-80.82	-67.82	7.30	13.10	H
	7484.36	-62.32	-13	-49.32	-81.65	-65.47	8.35	11.50	H
	3742.18	-64.64	-13	-51.64	-78.8	-71.39	5.85	12.60	V
	5613.27	-62.25	-13	-49.25	-80.96	-68.05	7.30	13.10	V
	7484.36	-62.78	-13	-49.78	-81.16	-65.93	8.35	11.50	V
LTE B12 BW 10MHz Middle 1RB49,QPSK	1406	-60.63	-13	-47.63	-74.32	-63.88	4.00	9.40	H
	2109	-59.30	-13	-46.30	-76.07	-62.87	4.88	10.60	H
	2812	-55.99	-13	-42.99	-76.49	-60.92	5.52	12.60	H
	1406	-61.74	-13	-48.74	-74.08	-64.99	4.00	9.40	V
	2109	-60.09	-13	-47.09	-75.97	-63.66	4.88	10.60	V
	2812	-56.14	-13	-43.14	-76.62	-61.07	5.52	12.60	V
LTE B2 BW 20MHz Highest 1RB0,QPSK	3782.18	-60.53	-13	-47.53	-78.49	-67.27	5.88	12.62	H
	5673.27	-59.11	-13	-46.11	-80.73	-64.92	7.32	13.13	H
	7564.36	-56.17	-13	-43.17	-81.22	-59.33	8.38	11.54	H
	3782.18	-61.94	-13	-48.94	-79.07	-68.68	5.88	12.62	V
	5673.27	-60.05	-13	-47.05	-80.66	-65.86	7.32	13.13	V
	7564.36	-56.40	-13	-43.40	-80.91	-59.56	8.38	11.54	V
LTE B12 BW 10MHz Highest 1RB49,QPSK	1413	-64.76	-13	-51.76	-74.53	-67.93	4.10	9.42	H
	2119.5	-61.87	-13	-48.87	-76.06	-65.45	4.90	10.63	H
	2826	-62.57	-13	-49.57	-76.75	-67.49	5.55	12.62	H
	1413	-64.83	-13	-51.83	-74.27	-68.00	4.10	9.42	V
	2119.5	-62.64	-13	-49.64	-76.52	-66.22	4.90	10.63	V
	2826	-63.14	-13	-50.14	-76.99	-68.06	5.55	12.62	V

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



ULCA_2A-13A									
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)
LTE B2 BW 20MHz Lowest 1RB0,QPSK	3702.18	-61.06	-13	-48.06	-78.73	-67.82	5.82	12.58	H
	5553.27	-59.15	-13	-46.15	-80.69	-64.87	7.28	13.00	H
	7404.36	-55.17	-13	-42.17	-81.33	-58.33	8.32	11.48	H
	3702.18	-62.04	-13	-49.04	-79.04	-68.80	5.82	12.58	V
	5553.27	-60.20	-13	-47.20	-80.98	-65.92	7.28	13.00	V
	7404.36	-55.30	-13	-42.30	-80.75	-58.46	8.32	11.48	V
LTE B13 BW 10MHz Lowest 1RB25,QPSK	1555	-65.89	-13	-52.89	-75.03	-69.12	3.98	9.36	H
	2332.5	-62.98	-13	-49.98	-76.94	-66.53	4.85	10.55	H
	3110	-62.09	-13	-49.09	-77.44	-67.02	5.50	12.58	H
	1555	-66.20	-13	-53.20	-74.85	-69.43	3.98	9.36	V
	2332.5	-63.16	-13	-50.16	-76.88	-66.71	4.85	10.55	V
	3110	-62.46	-13	-49.46	-77.45	-67.39	5.50	12.58	V
LTE B2 BW 20MHz Middle 1RB0,QPSK	3742.18	-61.17	-13	-48.17	-78.96	-67.92	5.85	12.60	H
	5613.27	-58.94	-13	-45.94	-80.46	-64.74	7.30	13.10	H
	7484.36	-55.90	-13	-42.90	-81.56	-59.05	8.35	11.50	H
	3742.18	-61.95	-13	-48.95	-79.01	-68.70	5.85	12.60	V
	5613.27	-59.78	-13	-46.78	-80.65	-65.58	7.30	13.10	V
	7484.36	-56.49	-13	-43.49	-81.51	-59.64	8.35	11.50	V
LTE B13 BW 10MHz Middle 1RB25,QPSK	1555	-65.55	-13	-52.55	-74.69	-68.80	4.00	9.40	H
	2332.5	-62.91	-13	-49.91	-76.87	-66.48	4.88	10.60	H
	3110	-61.62	-13	-48.62	-76.97	-66.55	5.52	12.60	H
	1555	-66.39	-13	-53.39	-75.04	-69.64	4.00	9.40	V
	2332.5	-63.04	-13	-50.04	-76.76	-66.61	4.88	10.60	V
	3110	-62.01	-13	-49.01	-77.00	-66.94	5.52	12.60	V
LTE B2 BW 20MHz Highest 1RB0,QPSK	3782.18	-60.98	-13	-47.98	-78.94	-67.72	5.88	12.62	H
	5673.27	-59.05	-13	-46.05	-80.67	-64.86	7.32	13.13	H
	7564.36	-56.04	-13	-43.04	-81.09	-59.20	8.38	11.54	H
	3782.18	-61.97	-13	-48.97	-79.1	-68.71	5.88	12.62	V
	5673.27	-60.24	-13	-47.24	-80.85	-66.05	7.32	13.13	V
	7564.36	-56.67	-13	-43.67	-81.18	-59.83	8.38	11.54	V
LTE B13 BW 10MHz Highest 1RB25,QPSK	1555	-66.11	-13	-53.11	-75.25	-69.28	4.10	9.42	H
	2332.5	-62.93	-13	-49.93	-76.89	-66.51	4.90	10.63	H
	3110	-61.96	-13	-48.96	-77.31	-66.88	5.55	12.62	H
	1555	-66.41	-13	-53.41	-75.06	-69.58	4.10	9.42	V
	2332.5	-63.42	-13	-50.42	-77.14	-67.00	4.90	10.63	V
	3110	-62.32	-13	-49.32	-77.31	-67.24	5.55	12.62	V

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



ULCA_4A-12A									
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)
LTE B4 BW 20MHz Lowest 1RB49,QPSK	3422.18	-63.31	-13	-50.31	-78.15	-70.07	5.82	12.58	H
	5133.27	-59.11	-13	-46.11	-80.82	-64.83	7.28	13.00	H
	6844.36	-56.93	-13	-43.93	-80.84	-60.09	8.32	11.48	H
	3422.18	-64.00	-13	-51.00	-78.34	-70.76	5.82	12.58	V
	5133.27	-60.03	-13	-47.03	-80.96	-65.75	7.28	13.00	V
	6844.36	-57.71	-13	-44.71	-80.74	-60.87	8.32	11.48	V
LTE B12 BW 10MHz Lowest 1RB49,QPSK	1399	-65.08	-13	-52.08	-74.72	-68.31	3.98	9.36	H
	2098.5	-62.65	-13	-49.65	-76.70	-66.20	4.85	10.55	H
	2798	-62.56	-13	-49.56	-76.68	-67.49	5.50	12.58	H
	1399	-65.02	-13	-52.02	-74.35	-68.25	3.98	9.36	V
	2098.5	-63.37	-13	-50.37	-77.09	-66.92	4.85	10.55	V
	2798	-63.06	-13	-50.06	-76.85	-67.99	5.50	12.58	V
LTE B4 BW 20MHz Middle 1RB49,QPSK	3447.18	-63.69	-13	-50.69	-78.98	-70.44	5.85	12.60	H
	5170.77	-59.24	-13	-46.24	-81.00	-65.04	7.30	13.10	H
	6894.36	-57.12	-13	-44.12	-80.91	-60.27	8.35	11.50	H
	3447.18	-64.13	-13	-51.13	-78.93	-70.88	5.85	12.60	V
	5170.77	-60.07	-13	-47.07	-80.9	-65.87	7.30	13.10	V
	6894.36	-57.70	-13	-44.70	-80.9	-60.85	8.35	11.50	V
LTE B12 BW 10MHz Middle 1RB49,QPSK	1406	-65.26	-13	-52.26	-75.03	-68.51	4.00	9.40	H
	2109	-60.53	-13	-47.53	-74.58	-64.10	4.88	10.60	H
	2812	-62.84	-13	-49.84	-77.01	-67.77	5.52	12.60	H
	1406	-65.39	-13	-52.39	-74.83	-68.64	4.00	9.40	V
	2109	-63.18	-13	-50.18	-76.90	-66.75	4.88	10.60	V
	2812	-63.27	-13	-50.27	-77.11	-68.20	5.52	12.60	V
LTE B4 BW 20MHz Highest 1RB49,QPSK	3472.18	-62.78	-13	-49.78	-78.30	-69.52	5.88	12.62	H
	5208.27	-59.39	-13	-46.39	-80.78	-65.20	7.32	13.13	H
	6944.36	-57.24	-13	-44.24	-80.89	-60.40	8.38	11.54	H
	3472.18	-63.39	-13	-50.39	-78.42	-70.13	5.88	12.62	V
	5208.27	-60.54	-13	-47.54	-80.86	-66.35	7.32	13.13	V
	6944.36	-58.04	-13	-45.04	-81.41	-61.20	8.38	11.54	V
LTE B12 BW 10MHz Highest 1RB49,QPSK	1413	-65.19	-13	-52.19	-74.96	-68.36	4.10	9.42	H
	2119.5	-59.68	-13	-46.68	-73.87	-63.26	4.90	10.63	H
	2826	-62.91	-13	-49.91	-77.09	-67.83	5.55	12.62	H
	1413	-65.55	-13	-52.55	-74.99	-68.72	4.10	9.42	V
	2119.5	-63.08	-13	-50.08	-76.96	-66.66	4.90	10.63	V
	2826	-63.20	-13	-50.20	-77.05	-68.12	5.55	12.62	V

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



ULCA_4A-13A									
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)
LTE B4 BW 20MHz Lowest 1RB49,QPSK	3422.18	-63.61	-13	-50.61	-78.45	-70.37	5.82	12.58	H
	5133.27	-59.65	-13	-46.65	-81.36	-65.37	7.28	13.00	H
	6844.36	-57.00	-13	-44.00	-80.91	-60.16	8.32	11.48	H
	3422.18	-64.06	-13	-51.06	-78.4	-70.82	5.82	12.58	V
	5133.27	-60.39	-13	-47.39	-81.32	-66.11	7.28	13.00	V
	6844.36	-57.73	-13	-44.73	-80.76	-60.89	8.32	11.48	V
LTE B13 BW 10MHz Lowest 1RB25,QPSK	1555	-66.27	-13	-53.27	-75.41	-69.50	3.98	9.36	H
	2332.5	-63.66	-13	-50.66	-77.62	-67.21	4.85	10.55	H
	3110	-62.68	-13	-49.68	-78.03	-67.61	5.50	12.58	H
	1555	-66.69	-13	-53.69	-75.34	-69.92	3.98	9.36	V
	2332.5	-64.01	-13	-51.01	-77.73	-67.56	4.85	10.55	V
	3110	-62.93	-13	-49.93	-77.92	-67.86	5.50	12.58	V
LTE B4 BW 20MHz Middle 1RB49,QPSK	3447.18	-63.53	-13	-50.53	-78.82	-70.28	5.85	12.60	H
	5170.77	-59.13	-13	-46.13	-80.89	-64.93	7.30	13.10	H
	6894.36	-57.28	-13	-44.28	-81.07	-60.43	8.35	11.50	H
	3447.18	-64.00	-13	-51.00	-78.8	-70.75	5.85	12.60	V
	5170.77	-60.09	-13	-47.09	-80.92	-65.89	7.30	13.10	V
	6894.36	-57.86	-13	-44.86	-81.06	-61.01	8.35	11.50	V
LTE B13 BW 10MHz Middle 1RB25,QPSK	1555	-66.10	-13	-53.10	-75.24	-69.35	4.00	9.40	H
	2332.5	-63.51	-13	-50.51	-77.47	-67.08	4.88	10.60	H
	3110	-62.46	-13	-49.46	-77.81	-67.39	5.52	12.60	H
	1555	-66.47	-13	-53.47	-75.12	-69.72	4.00	9.40	V
	2332.5	-63.69	-13	-50.69	-77.41	-67.26	4.88	10.60	V
	3110	-63.06	-13	-50.06	-78.05	-67.99	5.52	12.60	V
LTE B4 BW 20MHz Highest 1RB49,QPSK	3472.18	-63.21	-13	-50.21	-78.73	-69.95	5.88	12.62	H
	5208.27	-59.63	-13	-46.63	-81.02	-65.44	7.32	13.13	H
	6944.36	-58.29	-13	-45.29	-81.94	-61.45	8.38	11.54	H
	3472.18	-63.76	-13	-50.76	-78.79	-70.50	5.88	12.62	V
	5208.27	-60.90	-13	-47.90	-81.22	-66.71	7.32	13.13	V
	6944.36	-58.34	-13	-45.34	-81.71	-61.50	8.38	11.54	V
LTE B13 BW 10MHz Highest 1RB25,QPSK	1555	-65.79	-13	-52.79	-74.93	-68.96	4.10	9.42	H
	2332.5	-55.25	-13	-42.25	-69.21	-58.83	4.90	10.63	H
	3110	-62.48	-13	-49.48	-77.83	-67.40	5.55	12.62	H
	1555	-65.81	-13	-52.81	-74.46	-68.98	4.10	9.42	V
	2332.5	-58.29	-13	-45.29	-72.01	-61.87	4.90	10.63	V
	3110	-62.80	-13	-49.80	-77.79	-67.72	5.55	12.62	V

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



ULCA_12A-66A									
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)
LTE B12 BW 10MHz Lowest 1RB49,QPSK	1399	-64.68	-13	-51.68	-74.32	-67.91	3.98	9.36	H
	2098.5	-55.68	-13	-42.68	-69.73	-59.23	4.85	10.55	H
	2798	-62.85	-13	-49.85	-76.97	-67.78	5.50	12.58	H
	1399	-65.42	-13	-52.42	-74.75	-68.65	3.98	9.36	V
	2098.5	-58.96	-13	-45.96	-72.68	-62.51	4.85	10.55	V
	2798	-63.05	-13	-50.05	-76.84	-67.98	5.50	12.58	V
LTE B66 BW 20MHz Lowest 1RB0,QPSK	3422	-63.67	-13	-50.67	-78.51	-70.43	5.82	12.58	H
	5133	-59.53	-13	-46.53	-81.24	-65.25	7.28	13.00	H
	6844	-57.31	-13	-44.31	-81.22	-60.47	8.32	11.48	H
	3422	-64.31	-13	-51.31	-78.65	-71.07	5.82	12.58	V
	5133	-60.80	-13	-47.80	-81.73	-66.52	7.28	13.00	V
	6844	-58.07	-13	-45.07	-81.1	-61.23	8.32	11.48	V
LTE B12 BW 10MHz Middle 1RB49,QPSK	1406	-64.44	-13	-51.44	-74.21	-67.69	4.00	9.40	H
	2109	-53.92	-13	-40.92	-67.97	-57.49	4.88	10.60	H
	2812	-63.06	-13	-50.06	-77.23	-67.99	5.52	12.60	H
	1406	-64.95	-13	-51.95	-74.39	-68.20	4.00	9.40	V
	2109	-59.31	-13	-46.31	-73.03	-62.88	4.88	10.60	V
	2812	-63.31	-13	-50.31	-77.15	-68.24	5.52	12.60	V
LTE B66 BW 20MHz Middle 1RB0,QPSK	3472	-63.14	-13	-50.14	-78.66	-69.89	5.85	12.60	H
	5208	-59.56	-13	-46.56	-80.95	-65.36	7.30	13.10	H
	6944	-57.68	-13	-44.68	-81.33	-60.83	8.35	11.50	H
	3472	-63.43	-13	-50.43	-78.46	-70.18	5.85	12.60	V
	5208	-60.62	-13	-47.62	-80.94	-66.42	7.30	13.10	V
	6944	-58.08	-13	-45.08	-81.45	-61.23	8.35	11.50	V
LTE B12 BW 10MHz Highest 1RB49,QPSK	1413	-65.12	-13	-52.12	-74.89	-68.29	4.10	9.42	H
	2119.5	-54.61	-13	-41.61	-68.80	-58.19	4.90	10.63	H
	2826	-63.05	-13	-50.05	-77.23	-67.97	5.55	12.62	H
	1413	-65.53	-13	-52.53	-74.97	-68.70	4.10	9.42	V
	2119.5	-58.72	-13	-45.72	-72.60	-62.30	4.90	10.63	V
	2826	-63.49	-13	-50.49	-77.34	-68.41	5.55	12.62	V
LTE B66 BW 20MHz Highest 1RB0,QPSK	3522	-62.28	-13	-49.28	-78.47	-69.02	5.88	12.62	H
	5283	-60.42	-13	-47.42	-81.18	-66.23	7.32	13.13	H
	7044	-56.81	-13	-43.81	-80.95	-59.97	8.38	11.54	H
	3522	-62.78	-13	-49.78	-78.49	-69.52	5.88	12.62	V
	5283	-61.35	-13	-48.35	-81.05	-67.16	7.32	13.13	V
	7044	-57.42	-13	-44.42	-81.39	-60.58	8.38	11.54	V

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



ULCA_13A-66A									
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)
LTE B13 BW 10MHz Lowest 1RB25,QPSK	1555	-66.28	-13	-53.28	-75.42	-69.51	3.98	9.36	H
	2332.5	-52.93	-13	-39.93	-66.89	-56.48	4.85	10.55	H
	3110	-62.66	-13	-49.66	-78.01	-67.59	5.50	12.58	H
	1555	-66.62	-13	-53.62	-75.27	-69.85	3.98	9.36	V
	2332.5	-55.19	-13	-42.19	-68.91	-58.74	4.85	10.55	V
	3110	-63.03	-13	-50.03	-78.02	-67.96	5.50	12.58	V
LTE B66 BW 20MHz Lowest 1RB0,QPSK	3422	-63.60	-13	-50.60	-78.44	-70.36	5.82	12.58	H
	5133	-59.26	-13	-46.26	-80.97	-64.98	7.28	13.00	H
	6844	-57.28	-13	-44.28	-81.19	-60.44	8.32	11.48	H
	3422	-64.36	-13	-51.36	-78.7	-71.12	5.82	12.58	V
	5133	-60.71	-13	-47.71	-81.64	-66.43	7.28	13.00	V
	6844	-57.86	-13	-44.86	-80.89	-61.02	8.32	11.48	V
LTE B13 BW 10MHz Middle 1RB25,QPSK	1555	-66.45	-13	-53.45	-75.59	-69.70	4.00	9.40	H
	2332.5	-52.41	-13	-39.41	-66.37	-55.98	4.88	10.60	H
	3110	-62.51	-13	-49.51	-77.86	-67.44	5.52	12.60	H
	1555	-67.06	-13	-54.06	-75.71	-70.31	4.00	9.40	V
	2332.5	-55.38	-13	-42.38	-69.10	-58.95	4.88	10.60	V
	3110	-62.99	-13	-49.99	-77.98	-67.92	5.52	12.60	V
LTE B66 BW 20MHz Middle 1RB0,QPSK	3422	-63.94	-13	-50.94	-78.78	-70.69	5.85	12.60	H
	5133	-59.28	-13	-46.28	-80.99	-65.08	7.30	13.10	H
	6844	-57.06	-13	-44.06	-80.97	-60.21	8.35	11.50	H
	3422	-64.44	-13	-51.44	-78.78	-71.19	5.85	12.60	V
	5133	-59.72	-13	-46.72	-80.65	-65.52	7.30	13.10	V
	6844	-57.73	-13	-44.73	-80.76	-60.88	8.35	11.50	V
LTE B13 BW 10MHz Highest 1RB25,QPSK	1555	-66.18	-13	-53.18	-75.32	-69.35	4.10	9.42	H
	2332.5	-53.45	-13	-40.45	-67.41	-57.03	4.90	10.63	H
	3110	-62.41	-13	-49.41	-77.76	-67.33	5.55	12.62	H
	1555	-66.83	-13	-53.83	-75.48	-70.00	4.10	9.42	V
	2332.5	-56.33	-13	-43.33	-70.05	-59.91	4.90	10.63	V
	3110	-62.84	-13	-49.84	-77.83	-67.76	5.55	12.62	V
LTE B66 BW 20MHz Highest 1RB0,QPSK	3522	-62.43	-13	-49.43	-78.62	-69.17	5.88	12.62	H
	5283	-60.42	-13	-47.42	-81.18	-66.23	7.32	13.13	H
	7044	-57.21	-13	-44.21	-81.35	-60.37	8.38	11.54	H
	3522	-62.55	-13	-49.55	-78.26	-69.29	5.88	12.62	V
	5283	-61.18	-13	-48.18	-80.88	-66.99	7.32	13.13	V
	7044	-57.21	-13	-44.21	-81.18	-60.37	8.38	11.54	V

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