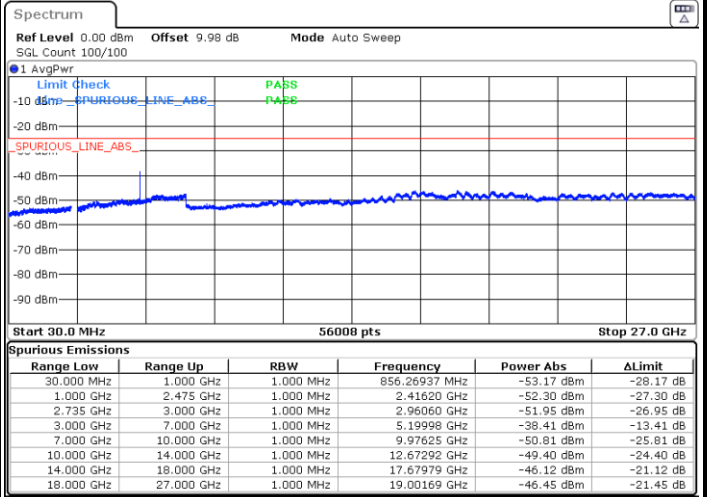
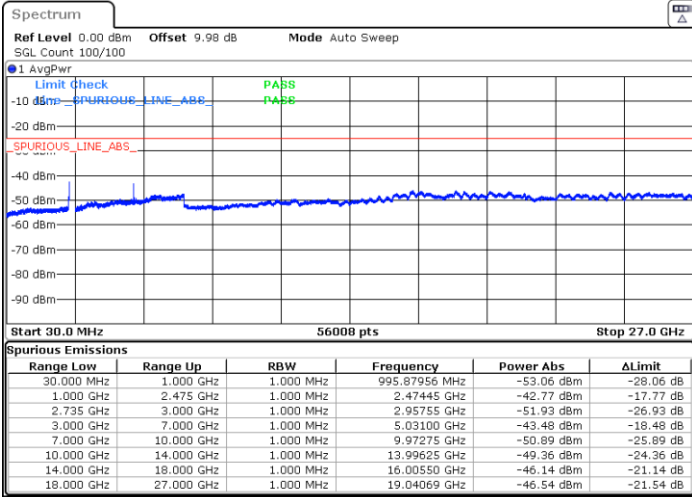




LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

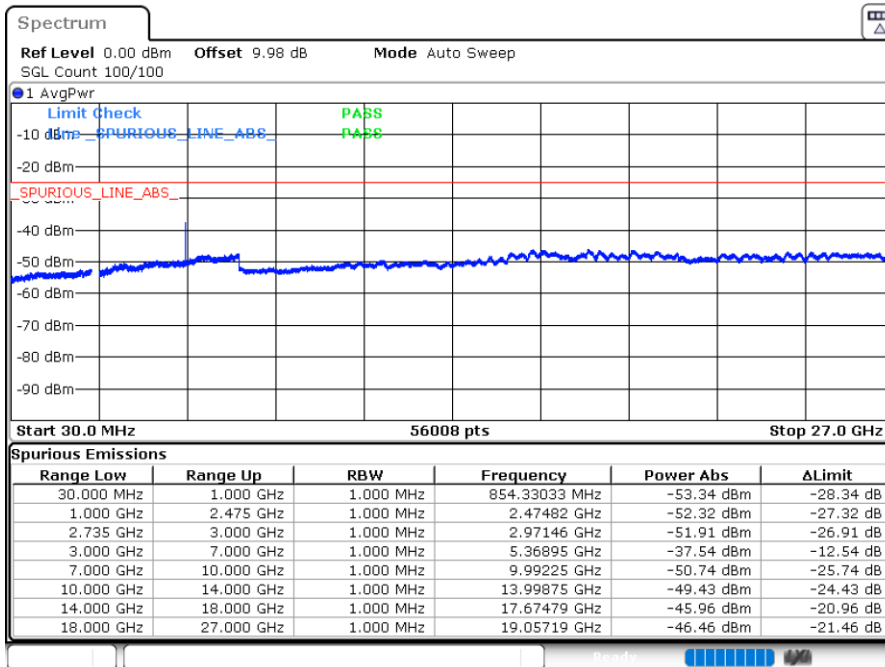
Middle Channel / QPSK



Date: 23.DEC.2022 18:08:45

Date: 23.DEC.2022 18:16:55

Highest Channel / QPSK



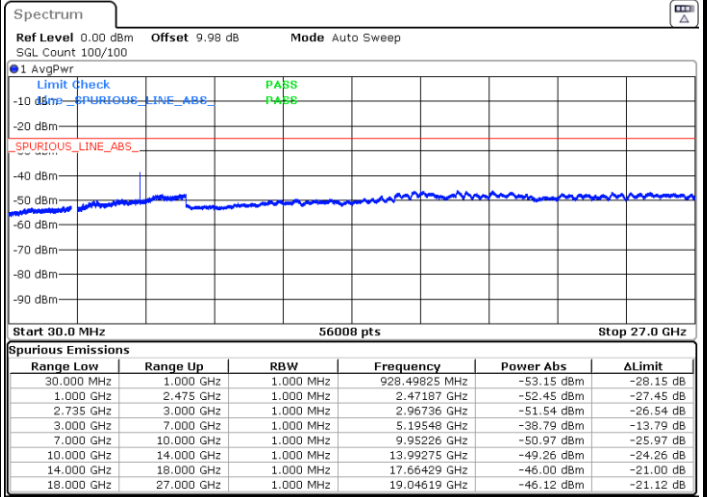
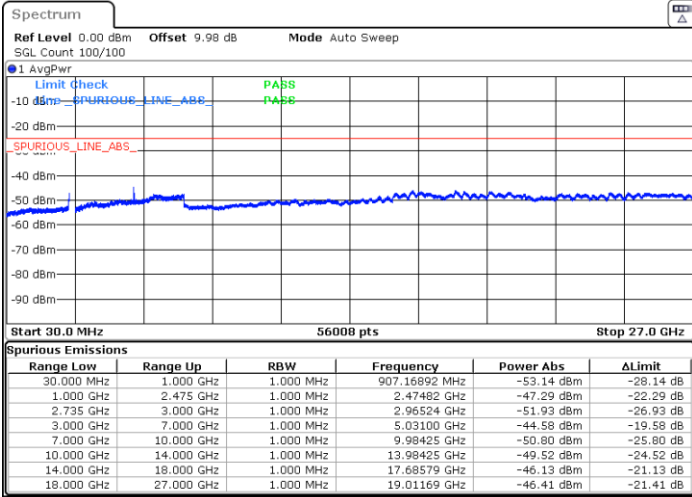
Date: 23.DEC.2022 18:19:12



LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

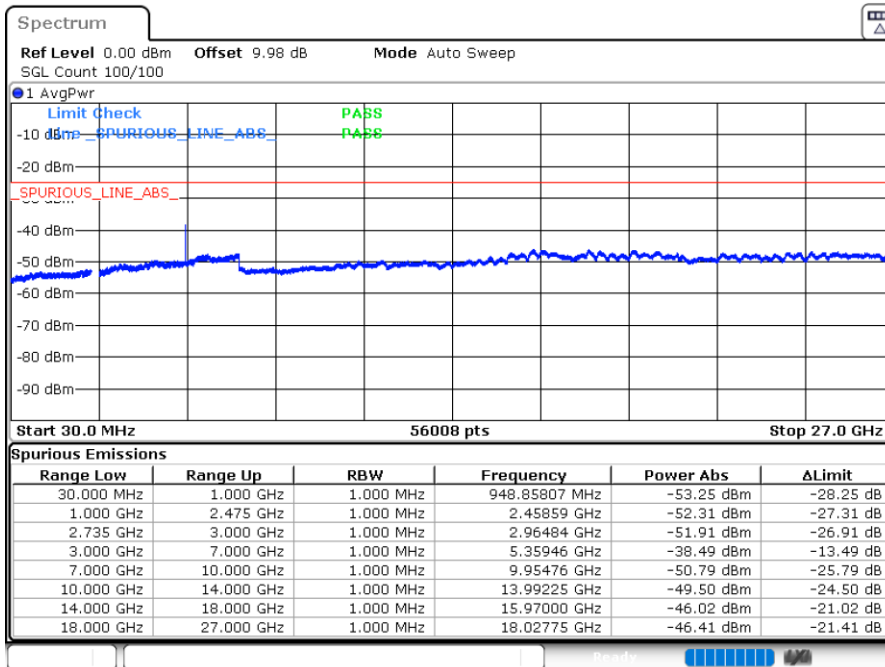
Middle Channel / QPSK



Date: 23.DEC.2022 18:27:38

Date: 23.DEC.2022 18:36:11

Highest Channel / QPSK



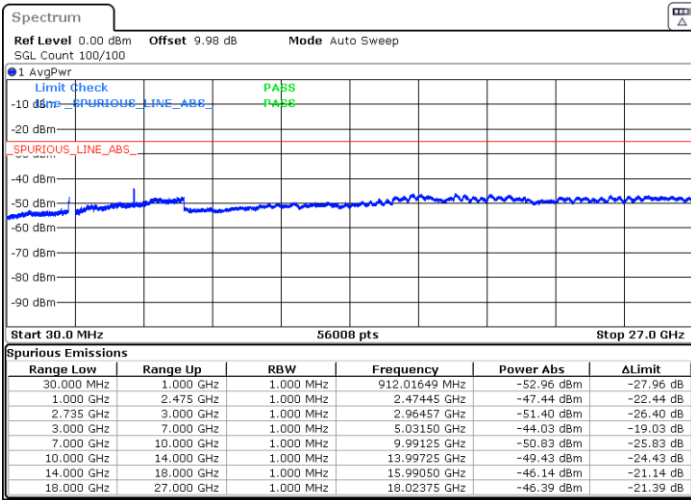
Date: 23.DEC.2022 18:38:22



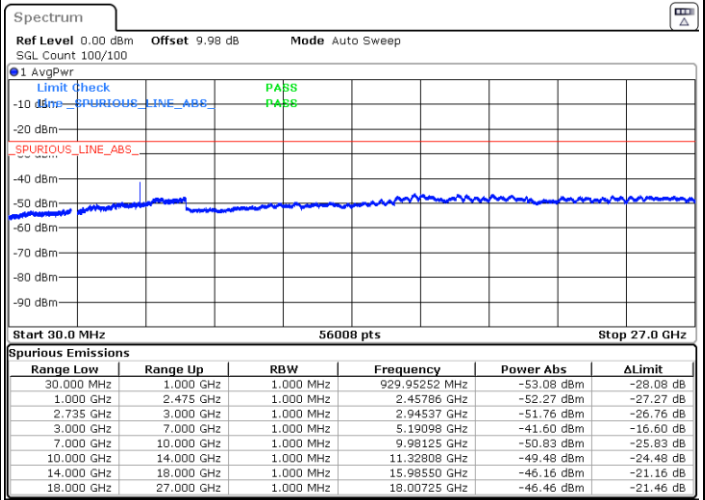
LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

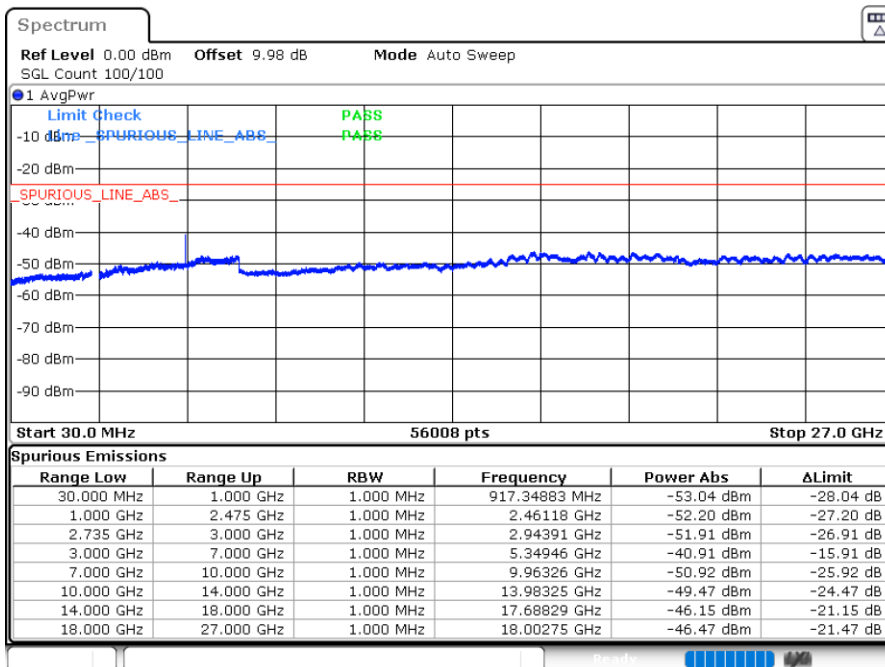


Date: 23.DEC.2022 18:48:08



Date: 23.DEC.2022 18:56:24

Highest Channel / QPSK



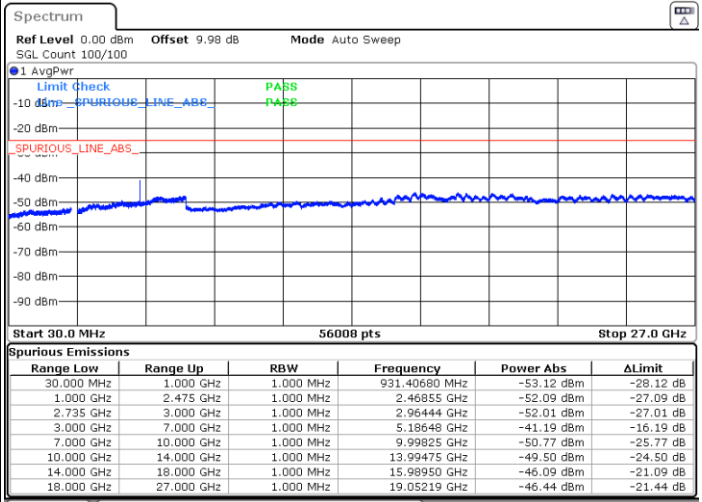
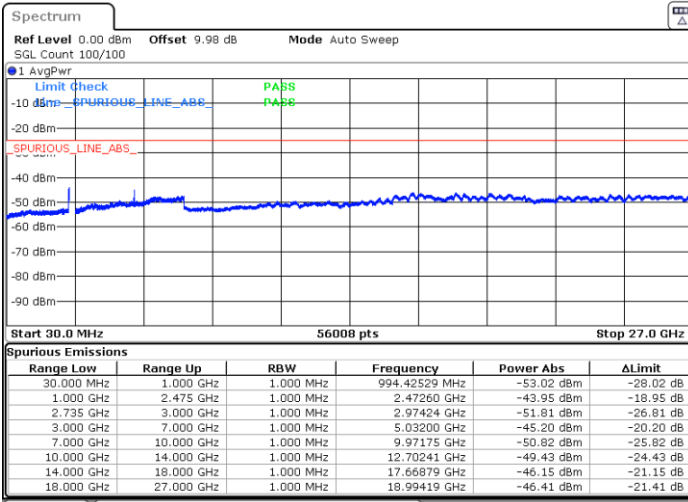
Date: 23.DEC.2022 18:58:49



LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

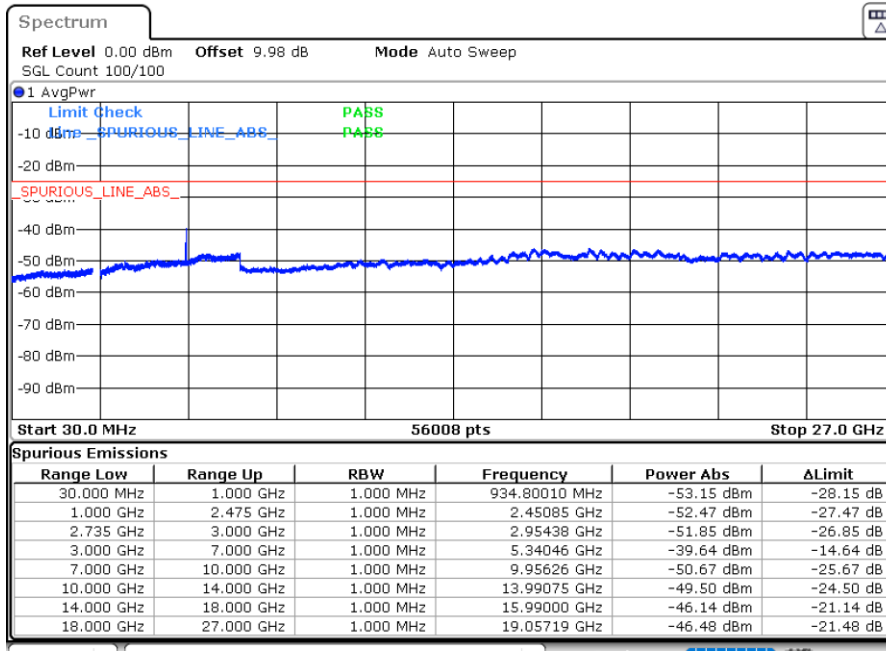
Middle Channel / QPSK



Date: 23.DEC.2022 19:09:30

Date: 23.DEC.2022 19:25:55

Highest Channel / QPSK



Date: 23.DEC.2022 20:25:05



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0034	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0019	
20	Battery End Point	0.0026	

Note:

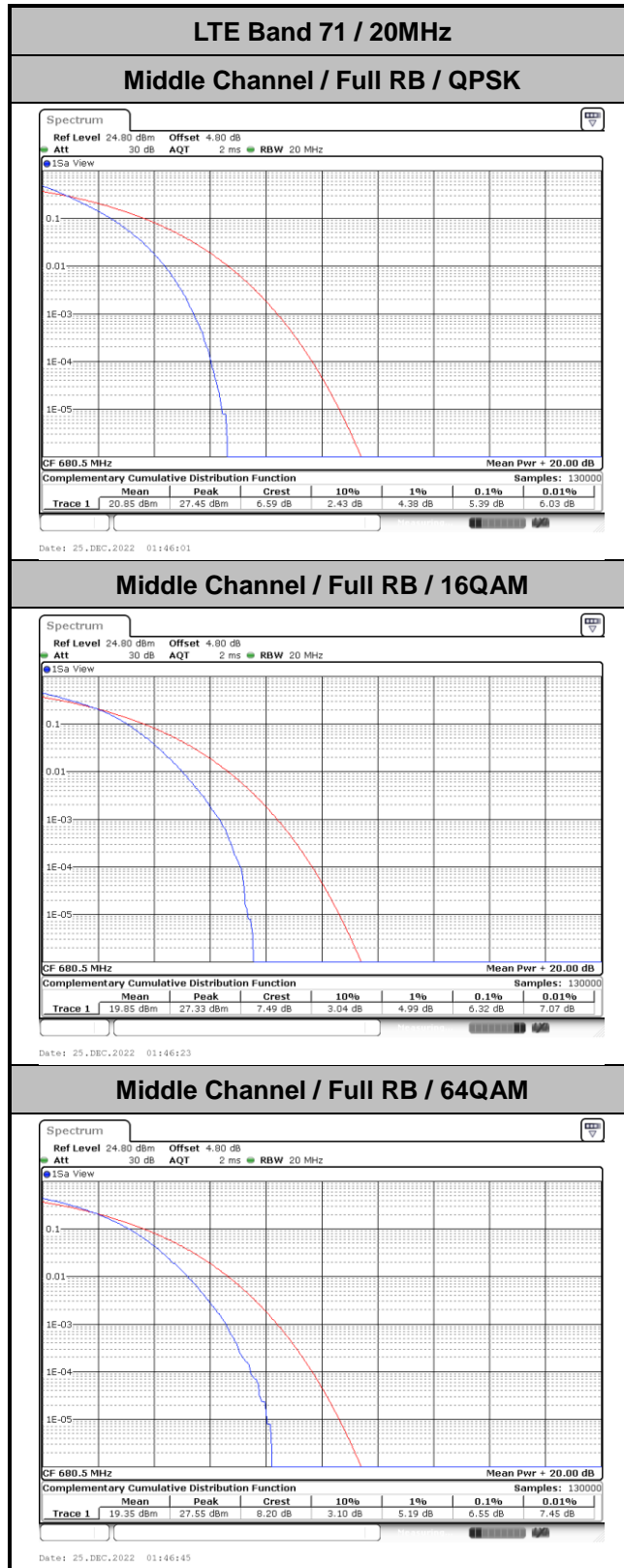
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.48V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 71

Peak-to-Average Ratio

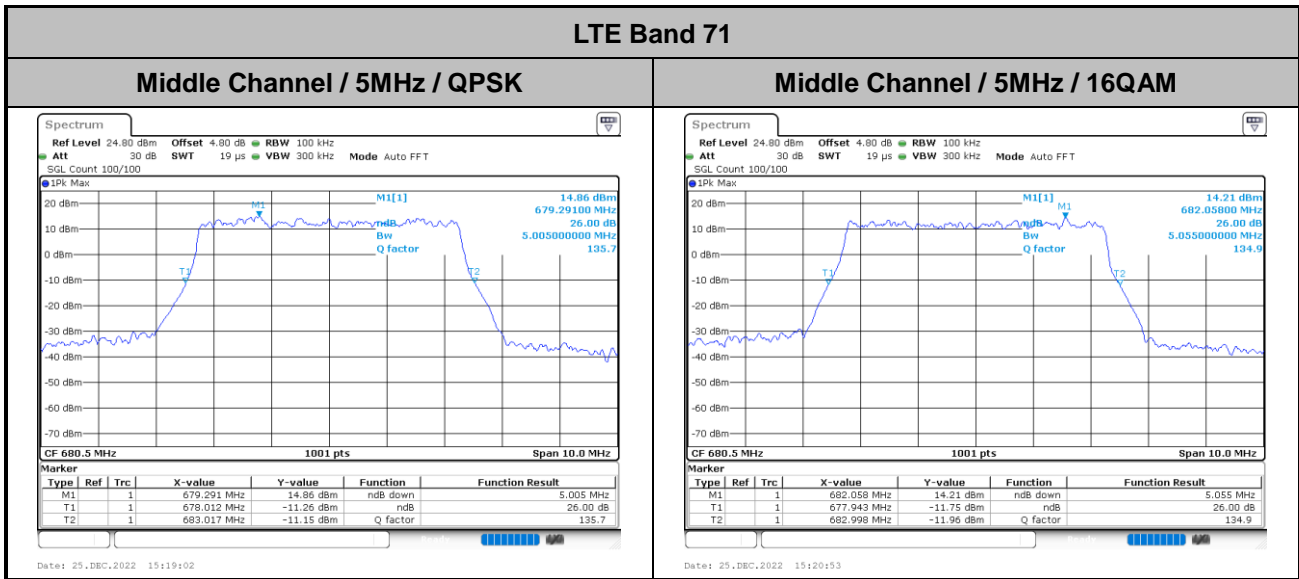
Mode	LTE Band 71 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.39	6.32	6.55	PASS





26dB Bandwidth

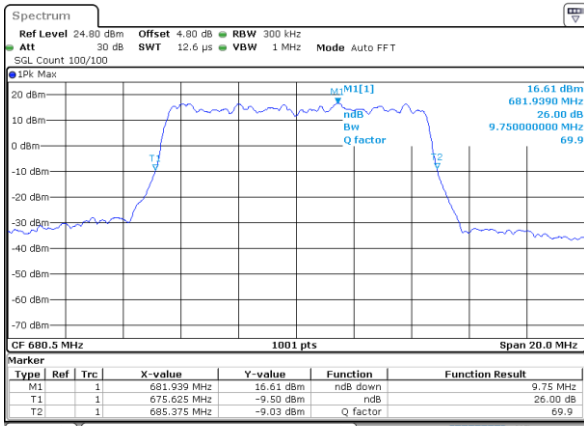
Mode	LTE Band 71 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.01	5.06
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.75	10.11
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.48	14.60
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.98	20.34





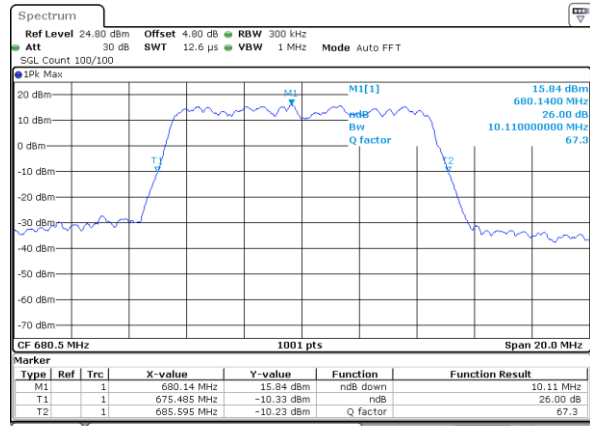
LTE Band 71

Middle Channel / 10MHz / QPSK



Date: 25. DEC. 2022 15:23:26

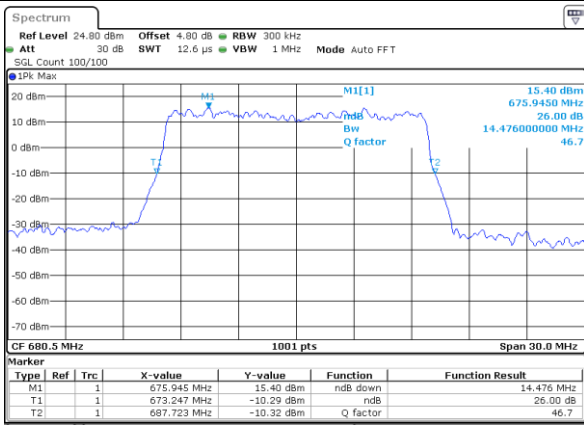
Middle Channel / 10MHz / 16QAM



Date: 25. DEC. 2022 15:22:24

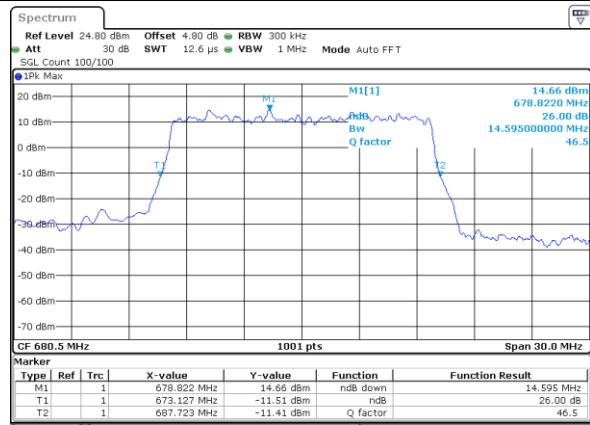
LTE Band 71

Middle Channel / 15MHz / QPSK



Date: 25. DEC. 2022 15:24:43

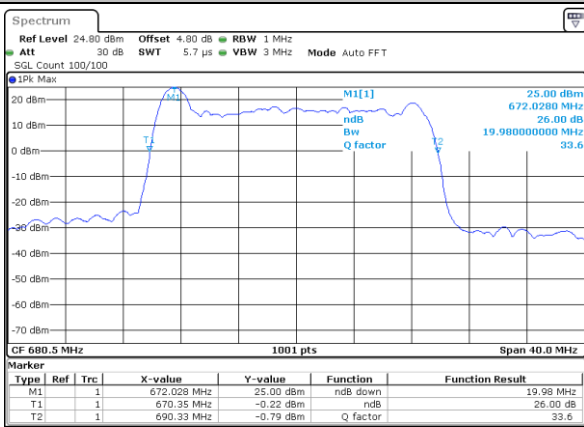
Middle Channel / 15MHz / 16QAM



Date: 25. DEC. 2022 15:25:48

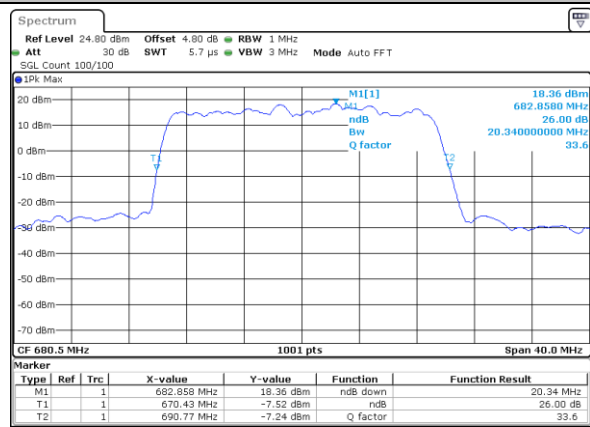
LTE Band 71

Middle Channel / 20MHz / QPSK



Date: 25. DEC. 2022 01:36:43

Middle Channel / 20MHz / 16QAM

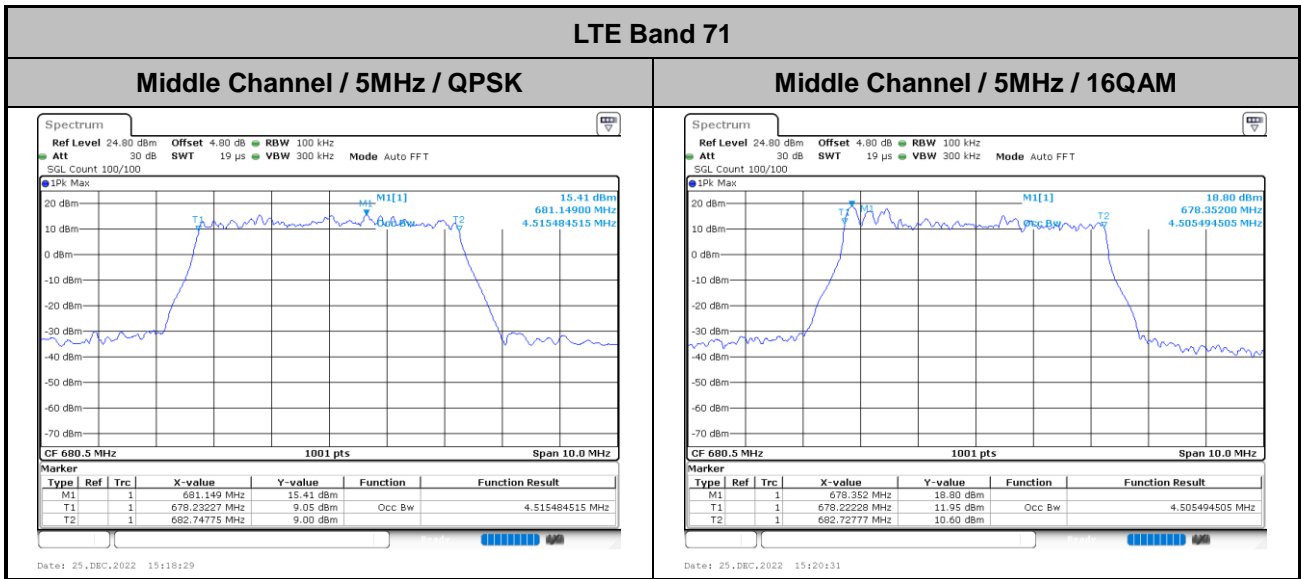


Date: 25. DEC. 2022 01:37:03



Occupied Bandwidth

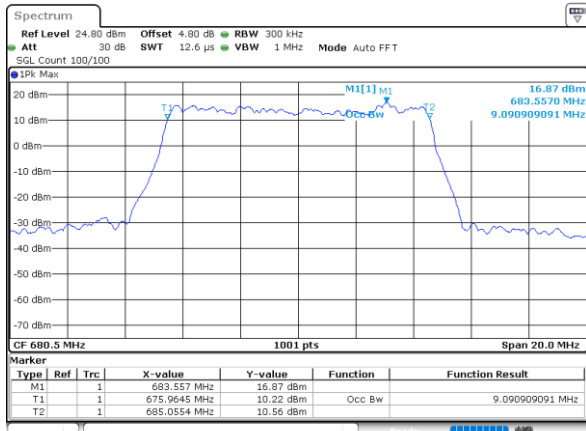
Mode	LTE Band 71 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.52	4.51
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.09	9.09
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.40	13.49
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.42	18.22





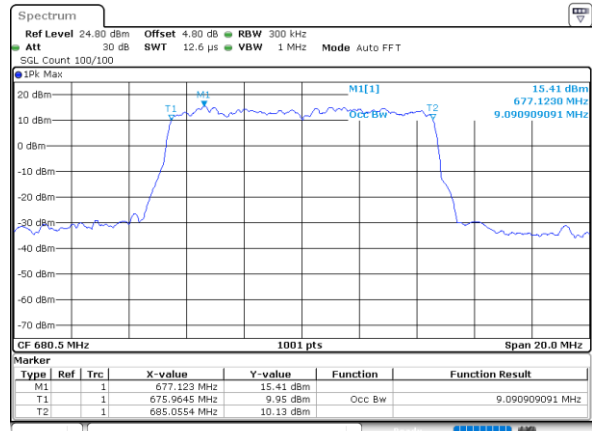
LTE Band 71

Middle Channel / 10MHz / QPSK



Date: 25, DEC, 2022 15:22:54

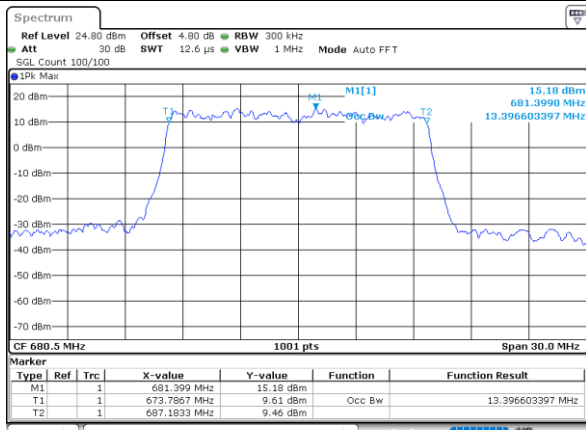
Middle Channel / 10MHz / 16QAM



Date: 25, DEC, 2022 15:22:59

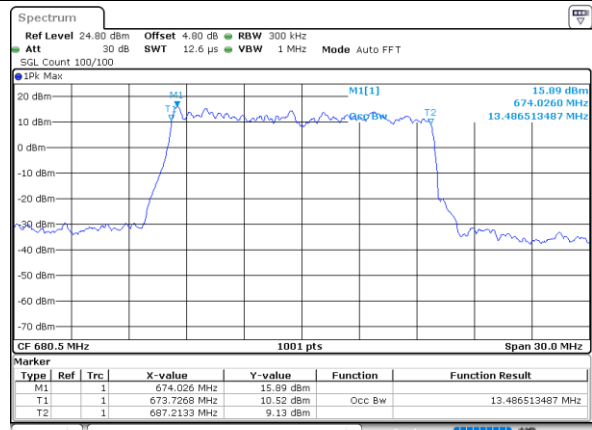
LTE Band 71

Middle Channel / 15MHz / QPSK



Date: 25, DEC, 2022 15:24:14

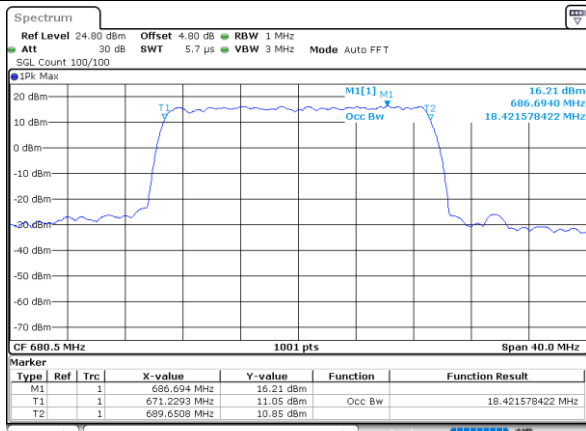
Middle Channel / 15MHz / 16QAM



Date: 25, DEC, 2022 15:25:19

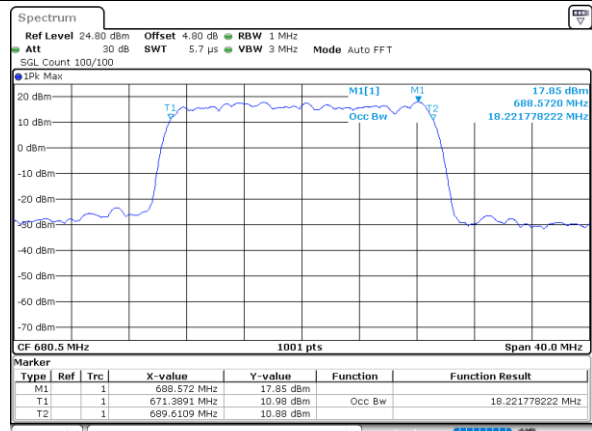
LTE Band 71

Middle Channel / 20MHz / QPSK



Date: 25, DEC, 2022 01:36:22

Middle Channel / 20MHz / 16QAM



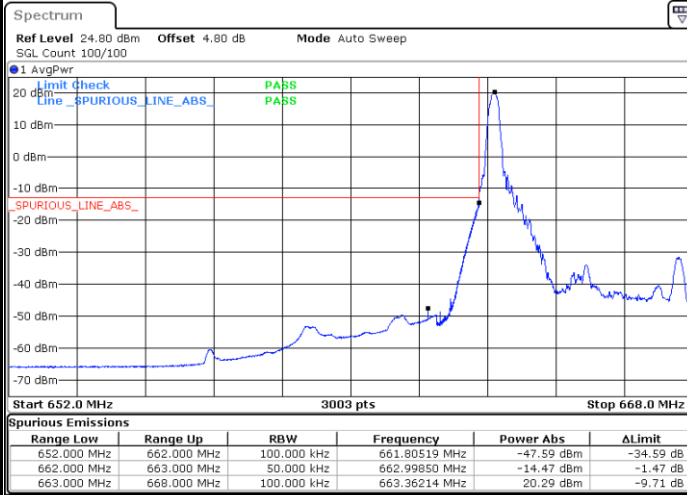
Date: 25, DEC, 2022 01:37:24



Conducted Band Edge

LTE Band 71 / 5MHz / QPSK

Lowest Band Edge / 1 RB



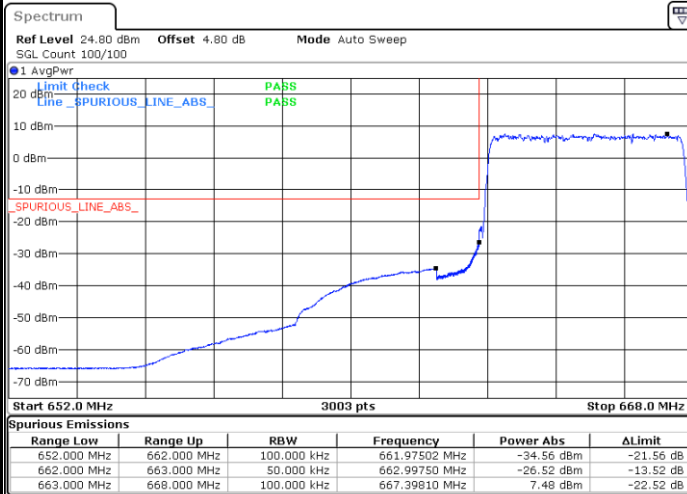
Date: 25.DEC.2022 01:54:38

Highest Band Edge / 1 RB



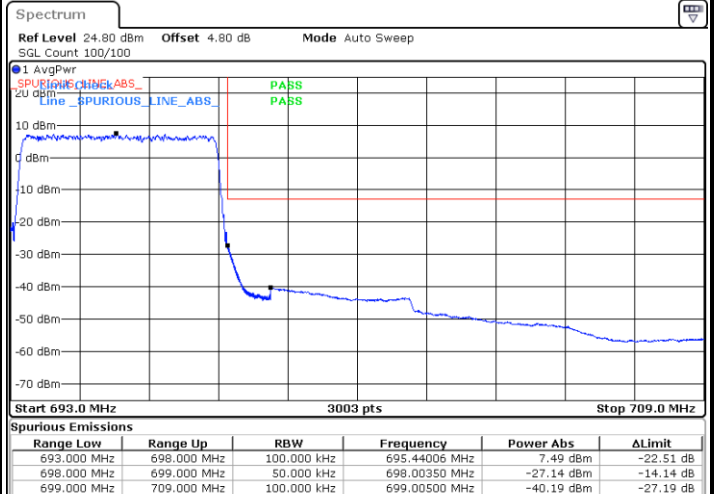
Date: 25.DEC.2022 00:50:24

Lowest Band Edge / Full RB



Date: 25.DEC.2022 00:46:47

Highest Band Edge / Full RB

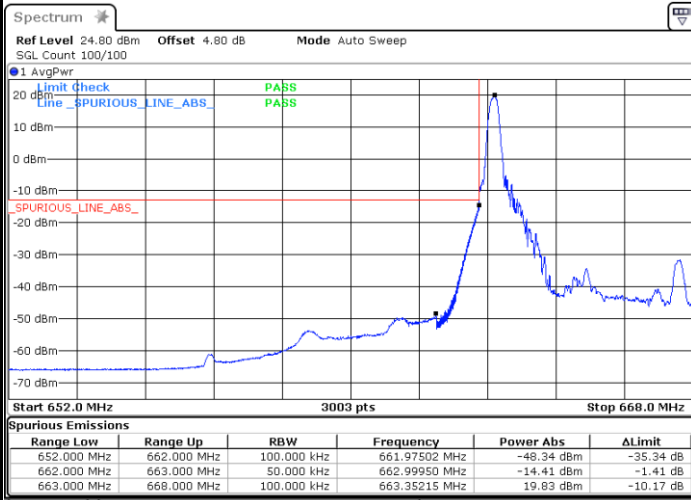


Date: 25.DEC.2022 00:55:25



LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



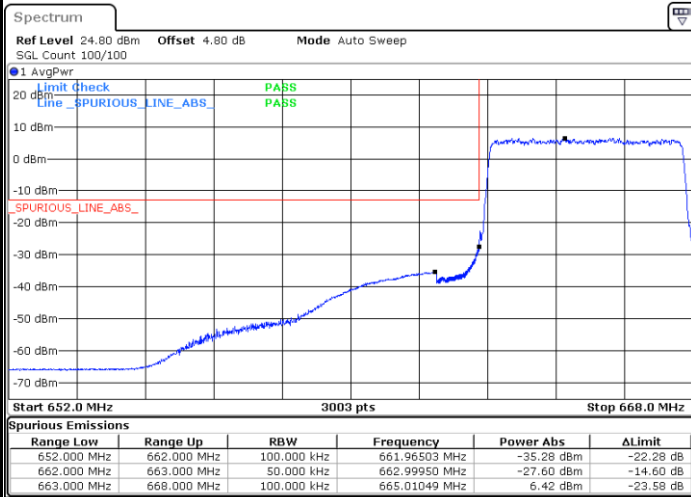
Date: 25.DEC.2022 01:58:28

Highest Band Edge / 1 RB



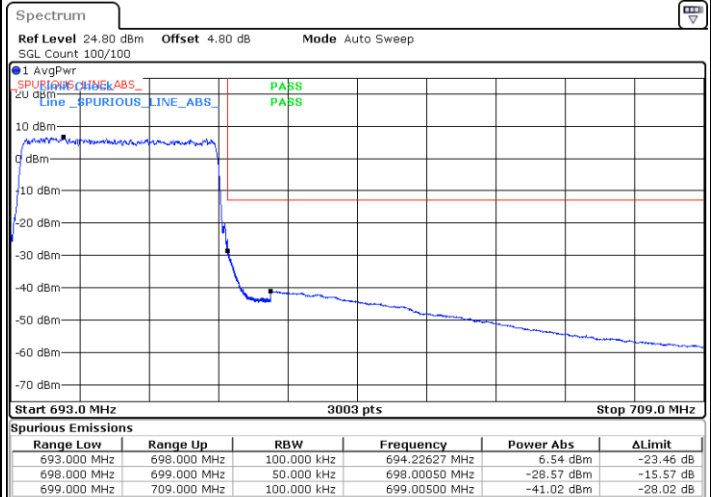
Date: 25.DEC.2022 00:51:24

Lowest Band Edge / Full RB



Date: 25.DEC.2022 00:45:17

Highest Band Edge / Full RB

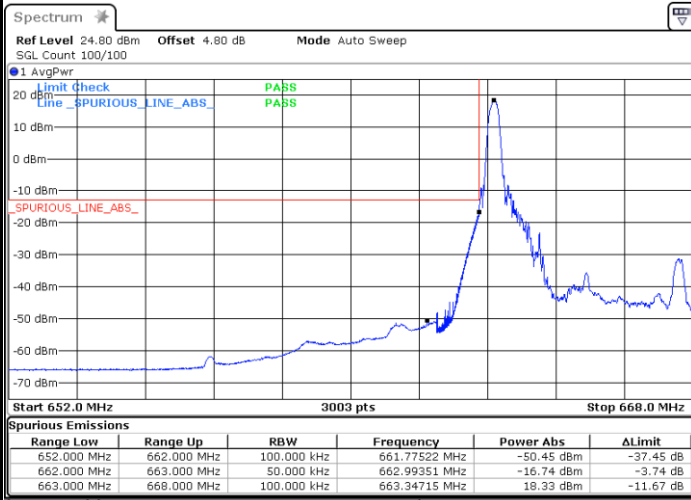


Date: 25.DEC.2022 00:54:25



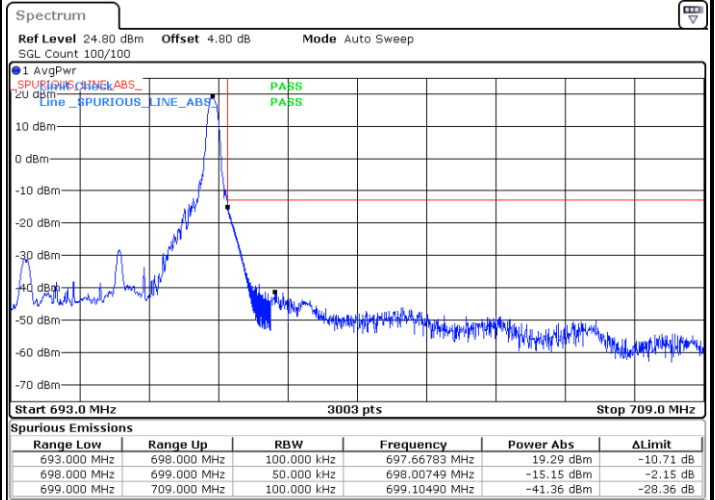
LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1RB



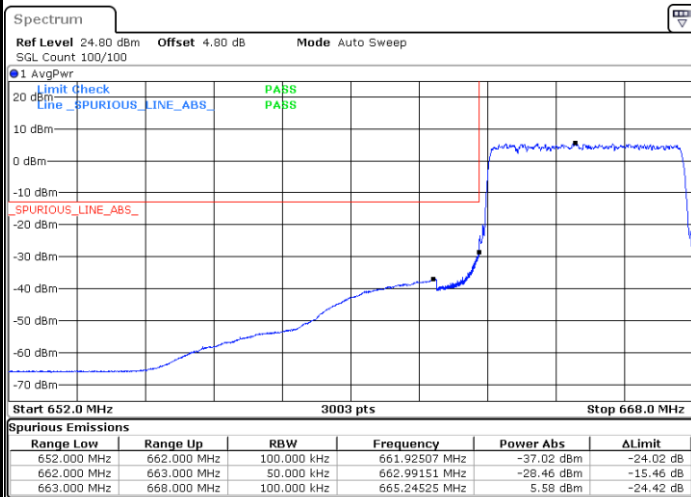
Date: 25.DEC.2022 02:02:01

Highest Band Edge / 1 RB



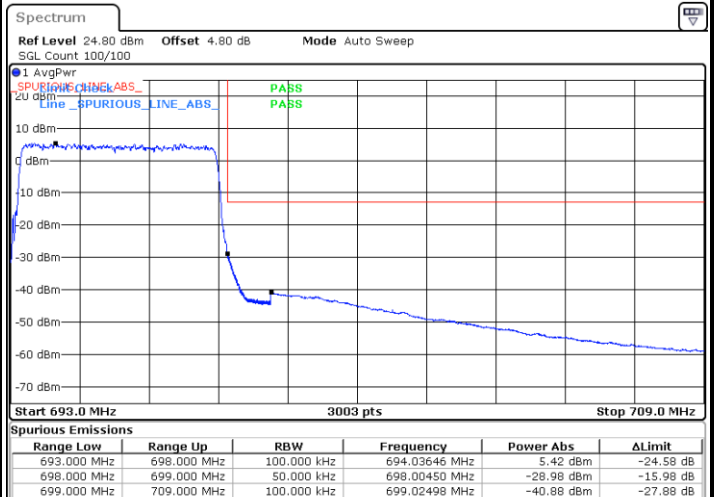
Date: 25.DEC.2022 00:52:25

Lowest Band Edge / Full RB



Date: 25.DEC.2022 00:44:46

Highest Band Edge / Full RB

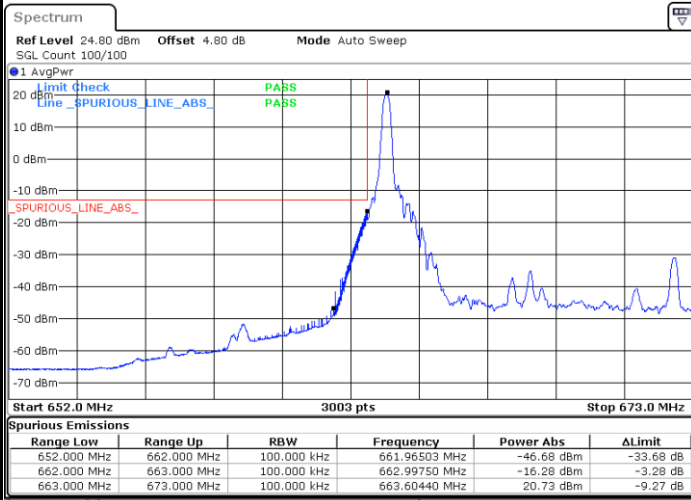


Date: 25.DEC.2022 00:53:25



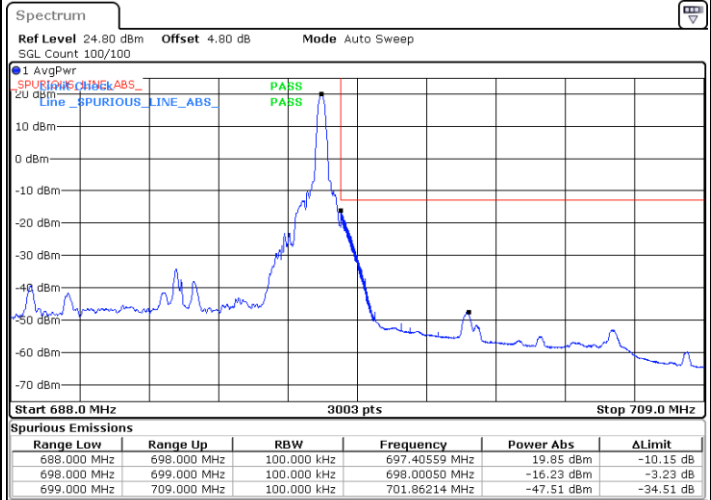
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / 1 RB



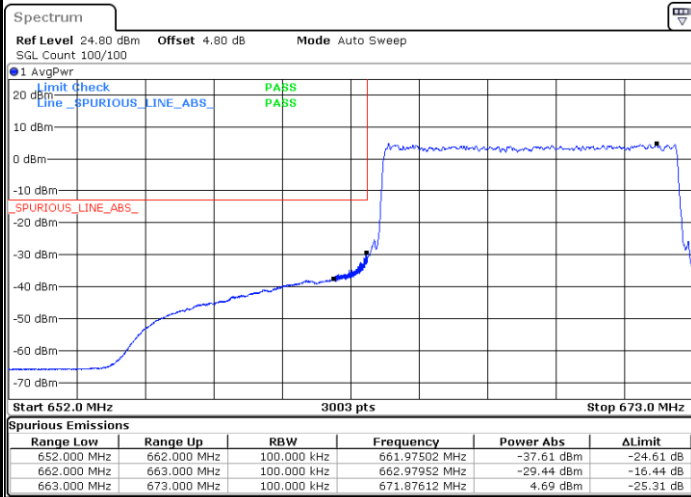
Date: 25.DEC.2022 01:01:26

Highest Band Edge / 1 RB



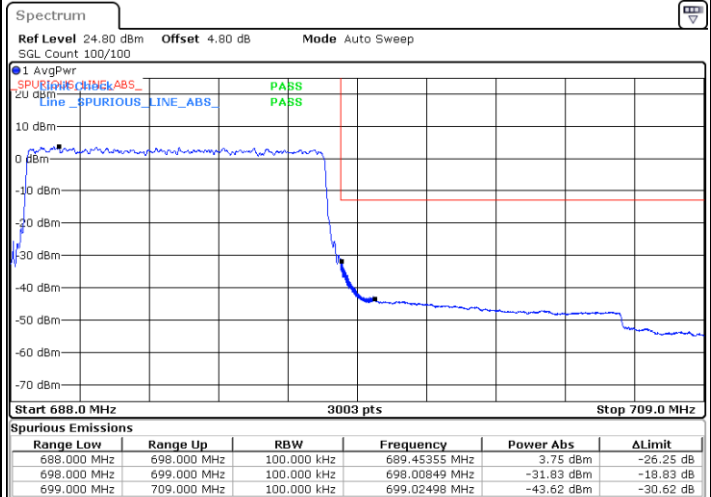
Date: 25.DEC.2022 01:06:22

Lowest Band Edge / Full RB



Date: 25.DEC.2022 00:56:26

Highest Band Edge / Full RB

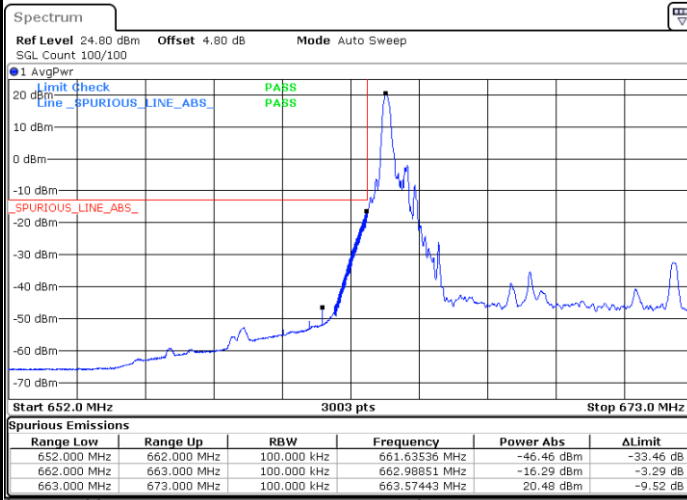


Date: 25.DEC.2022 01:11:23



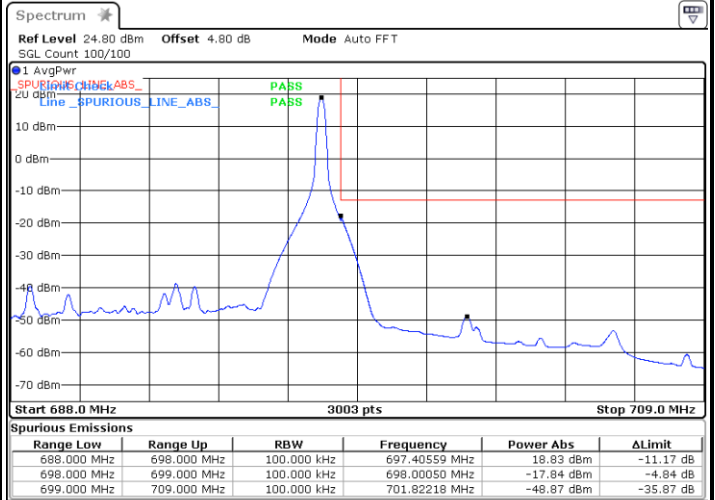
LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



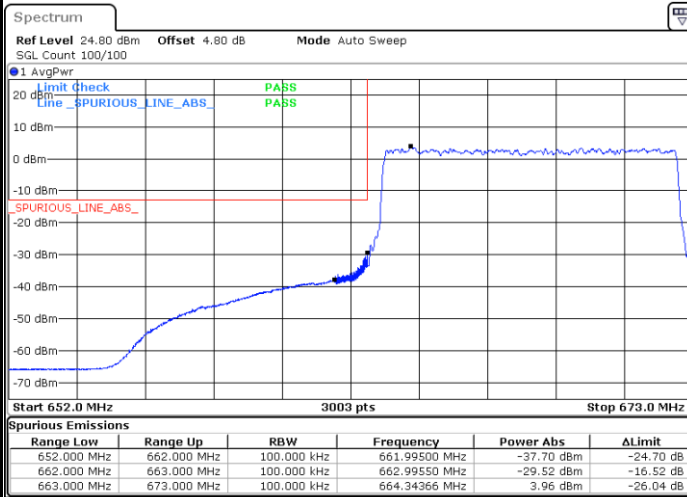
Date: 25.DEC.2022 01:00:26

Highest Band Edge / 1 RB



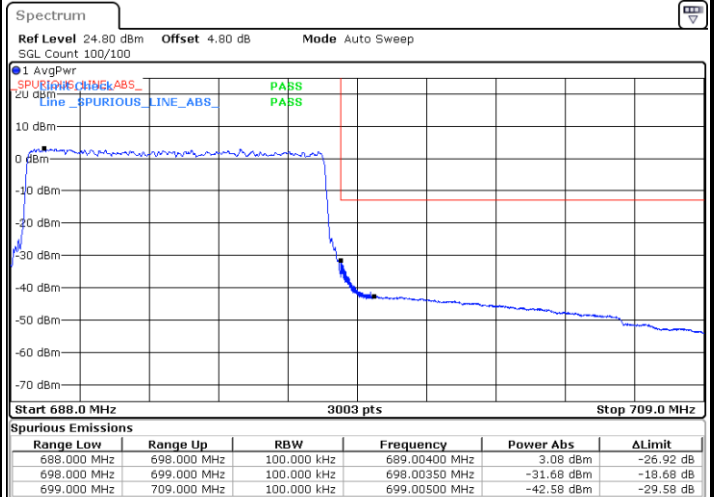
Date: 25.DEC.2022 02:17:09

Lowest Band Edge / Full RB



Date: 25.DEC.2022 00:57:26

Highest Band Edge / Full RB

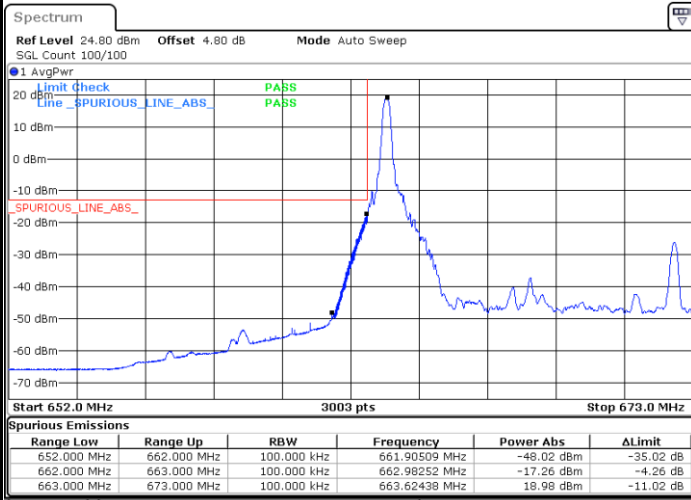


Date: 25.DEC.2022 01:10:22



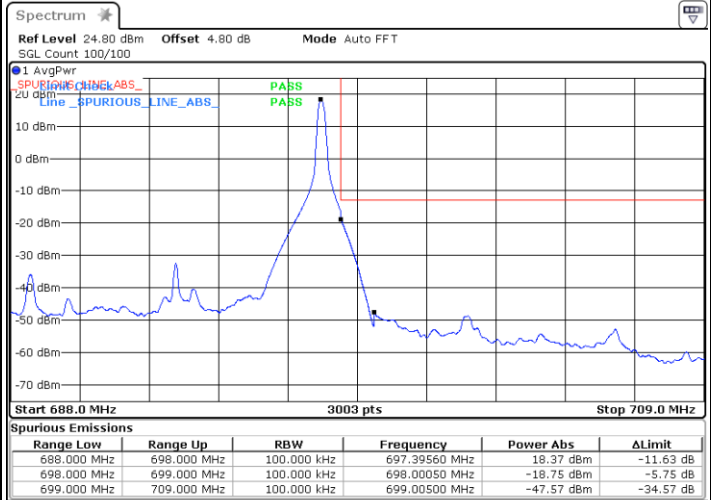
LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



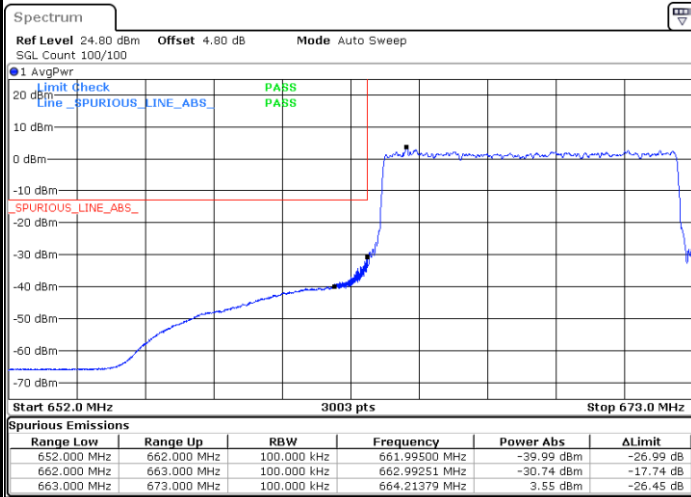
Date: 25.DEC.2022 00:59:26

Highest Band Edge / 1 RB



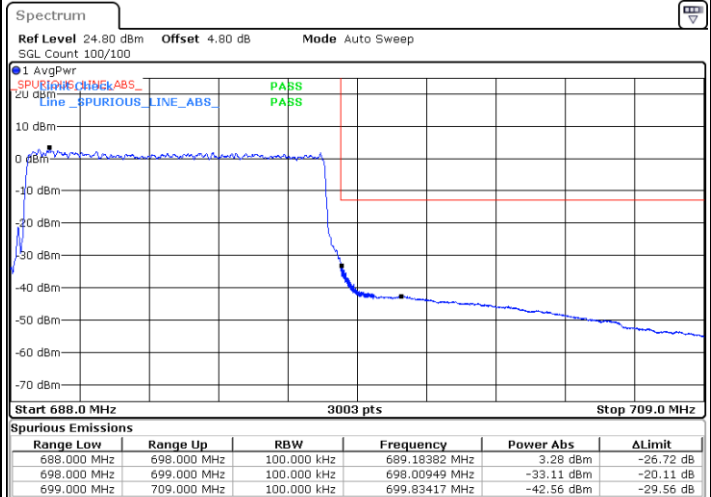
Date: 25.DEC.2022 02:25:59

Lowest Band Edge / Full RB



Date: 25.DEC.2022 00:58:26

Highest Band Edge / Full RB

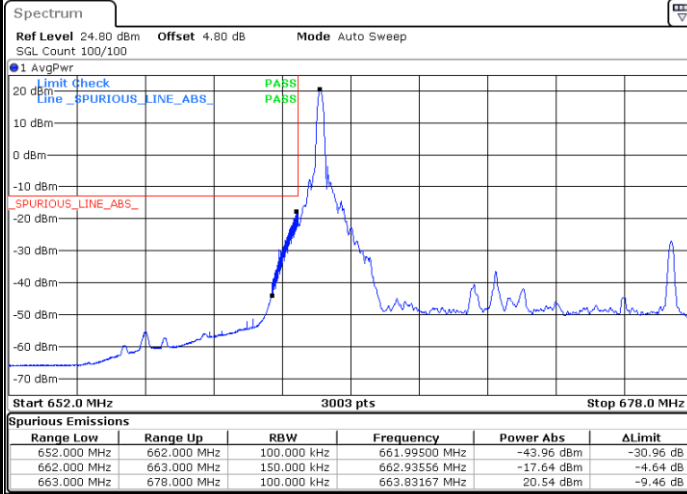


Date: 25.DEC.2022 01:09:22



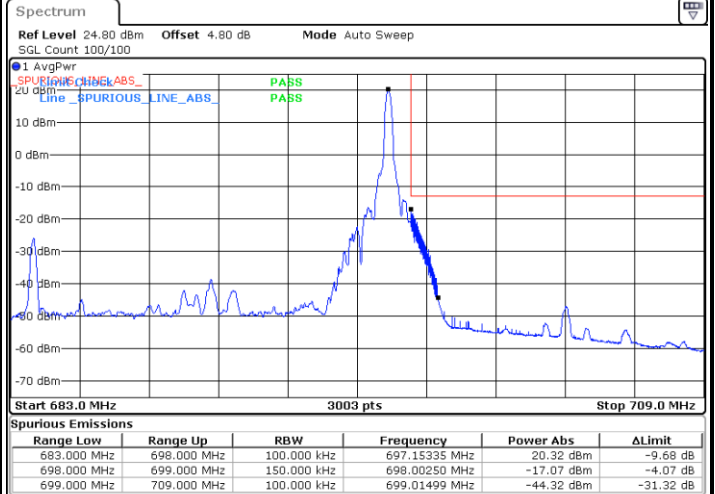
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / 1 RB



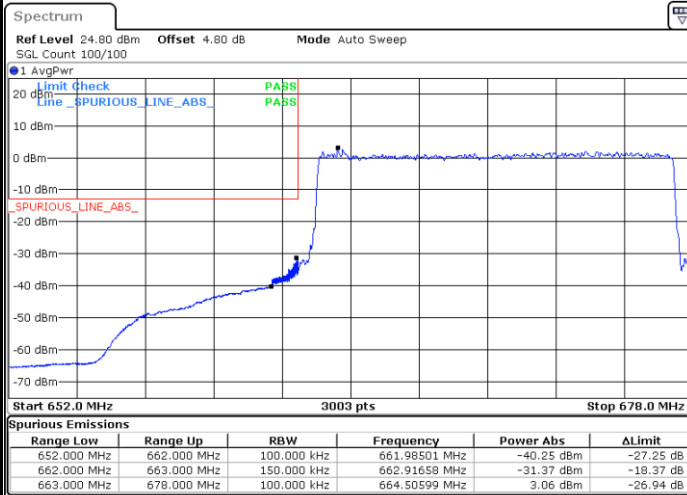
Date: 25.DEC.2022 01:17:24

Highest Band Edge / 1 RB



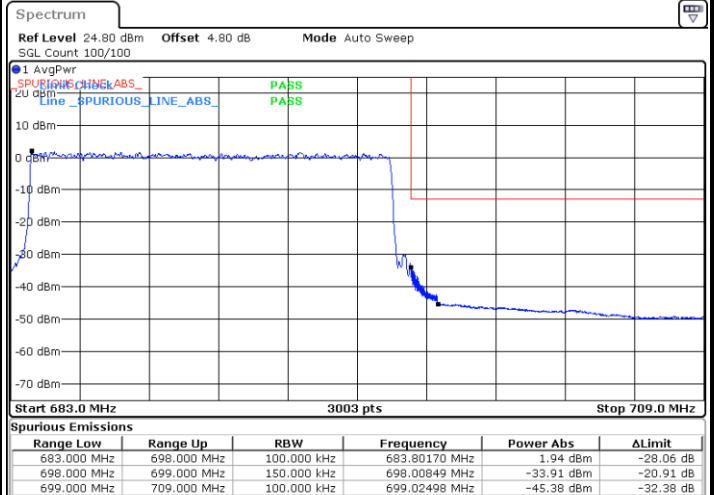
Date: 25.DEC.2022 01:22:21

Lowest Band Edge / Full RB



Date: 25.DEC.2022 01:12:23

Highest Band Edge / Full RB

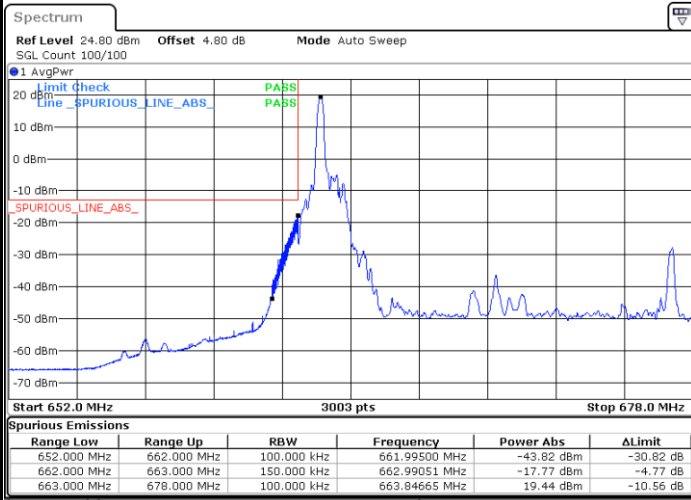


Date: 25.DEC.2022 01:27:21



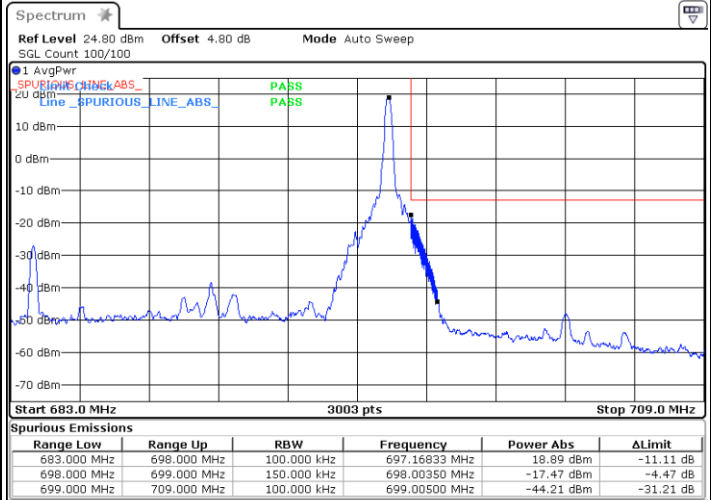
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



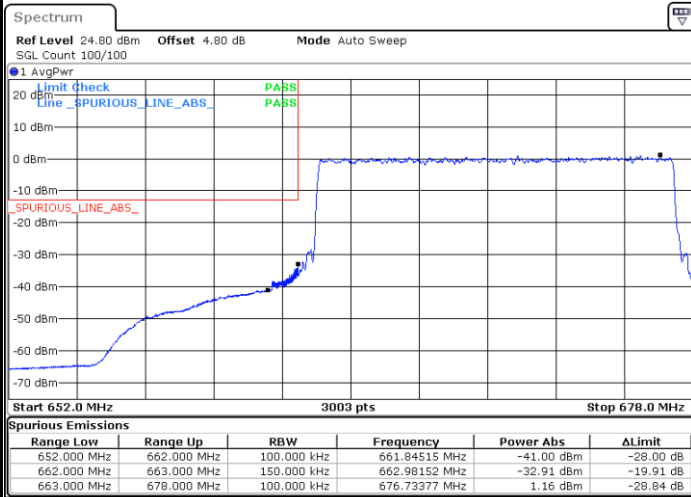
Date: 25.DEC.2022 01:16:24

Highest Band Edge / 1 RB



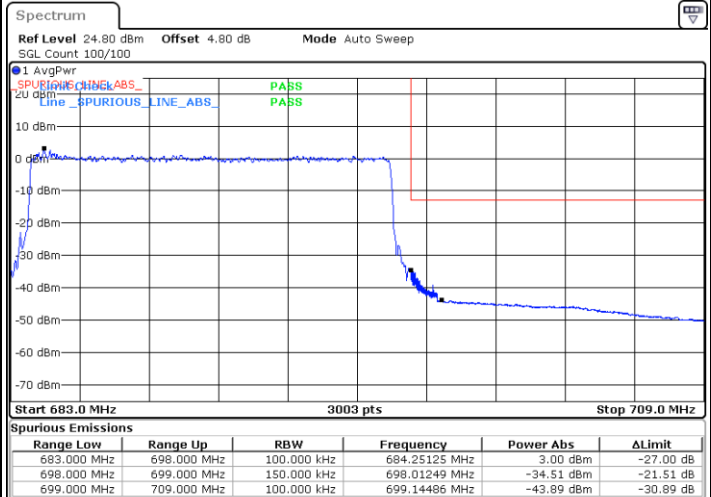
Date: 25.DEC.2022 02:29:16

Lowest Band Edge / Full RB



Date: 25.DEC.2022 01:13:24

Highest Band Edge / Full RB

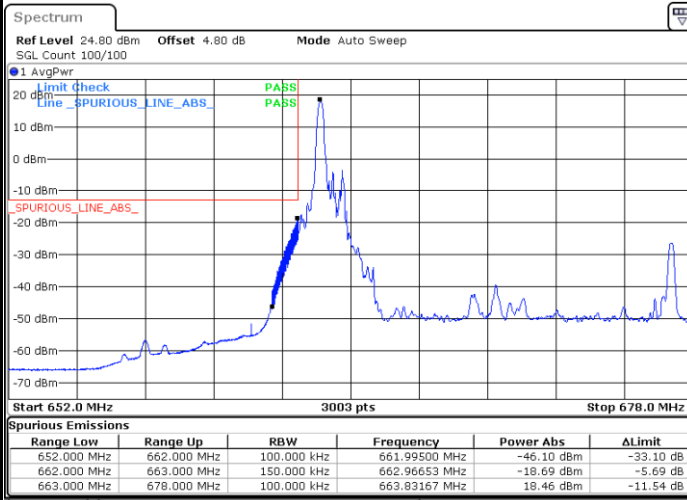


Date: 25.DEC.2022 01:26:21



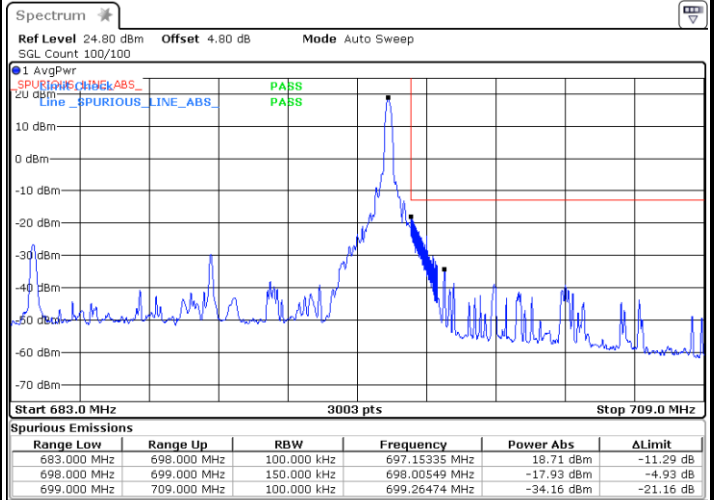
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



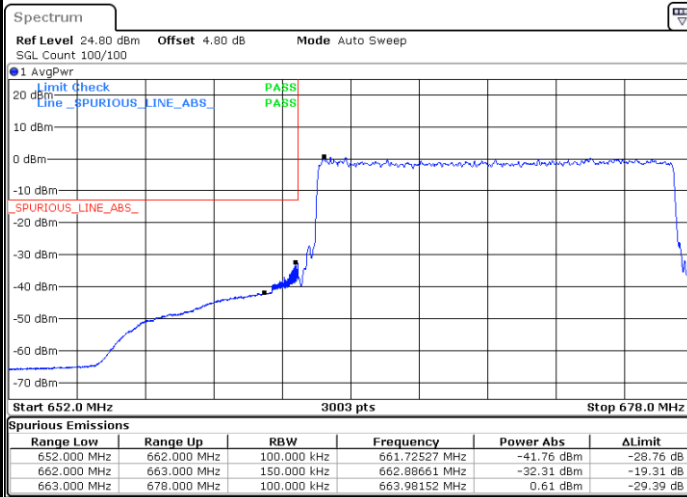
Date: 25.DEC.2022 01:15:24

Highest Band Edge / 1 RB



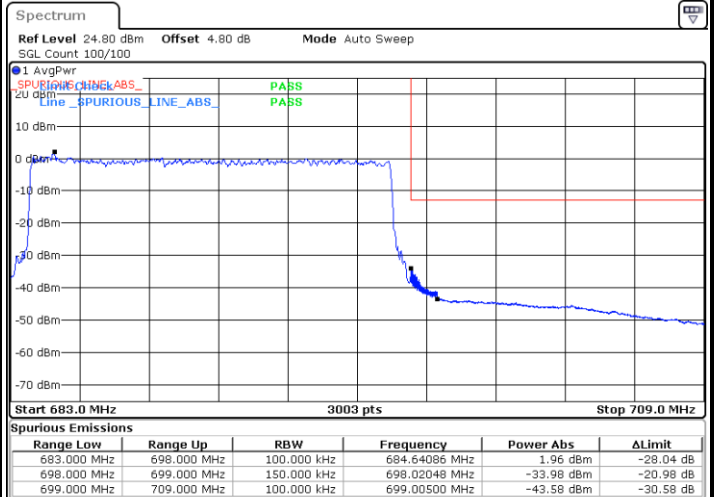
Date: 25.DEC.2022 02:34:18

Lowest Band Edge / Full RB



Date: 25.DEC.2022 01:14:24

Highest Band Edge / Full RB

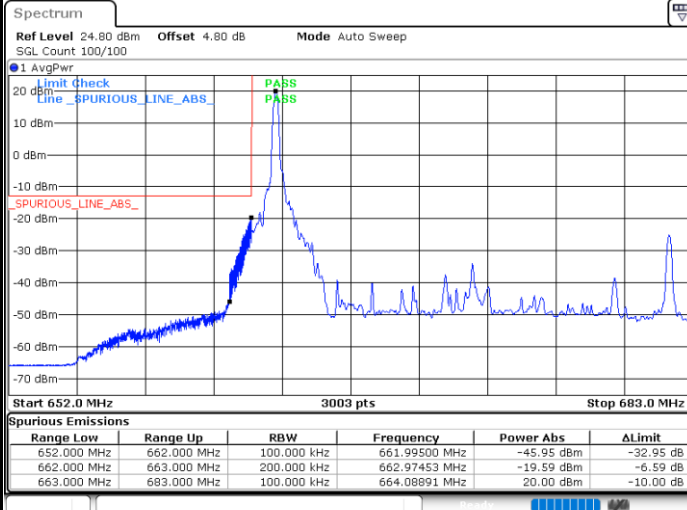


Date: 25.DEC.2022 01:25:21



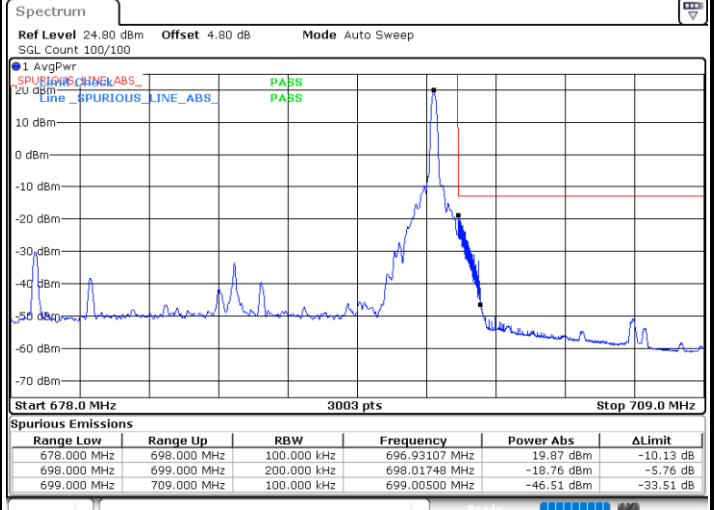
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



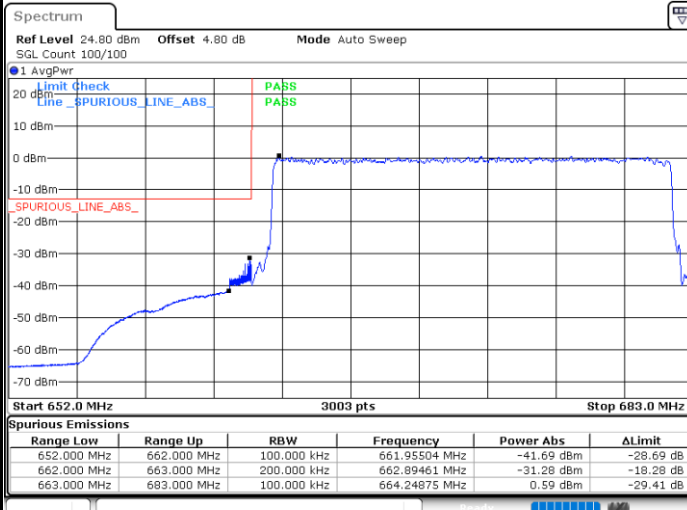
Date: 25.DEC.2022 01:33:23

Highest Band Edge / 1 RB



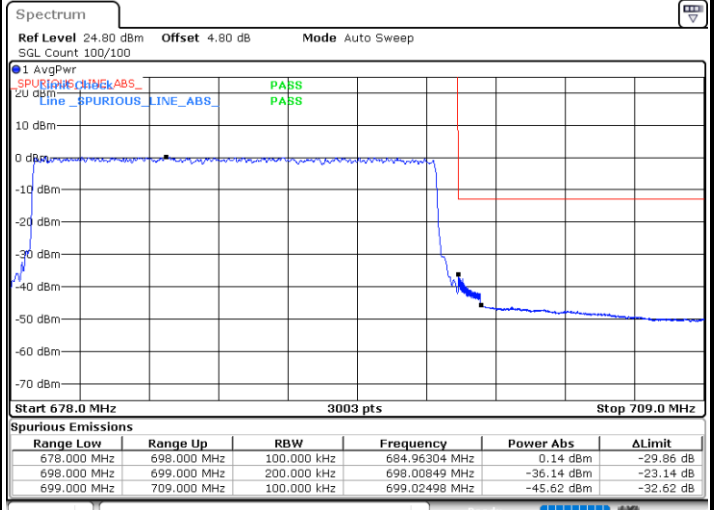
Date: 25.DEC.2022 01:39:43

Lowest Band Edge / Full RB



Date: 25.DEC.2022 01:28:22

Highest Band Edge / Full RB



Date: 25.DEC.2022 01:45:39



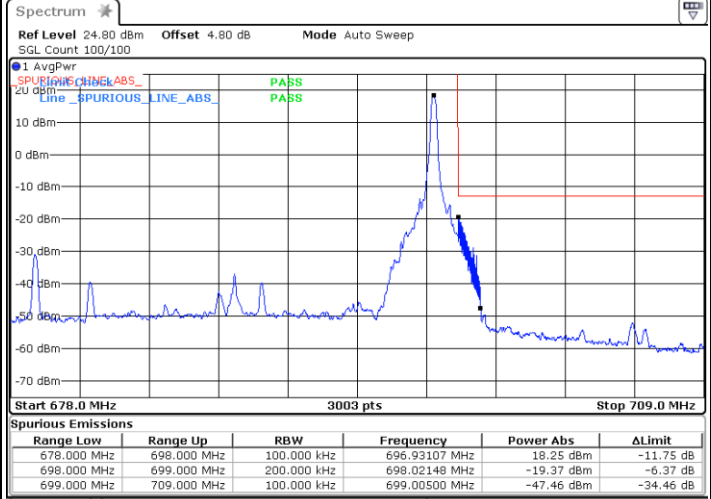
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



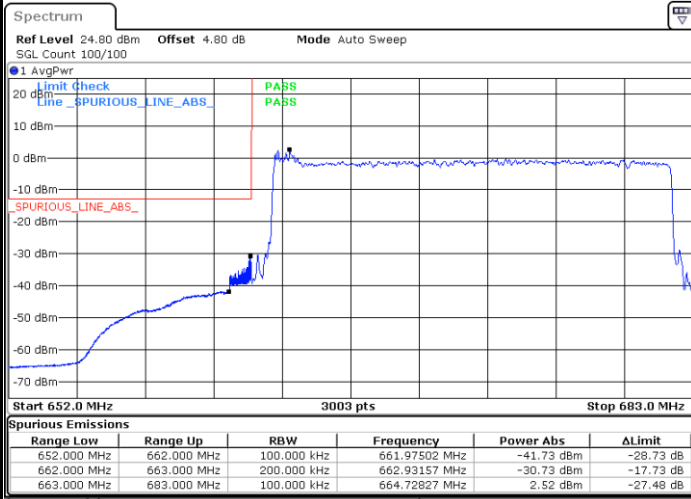
Date: 25.DEC.2022 01:32:23

Highest Band Edge / 1RB



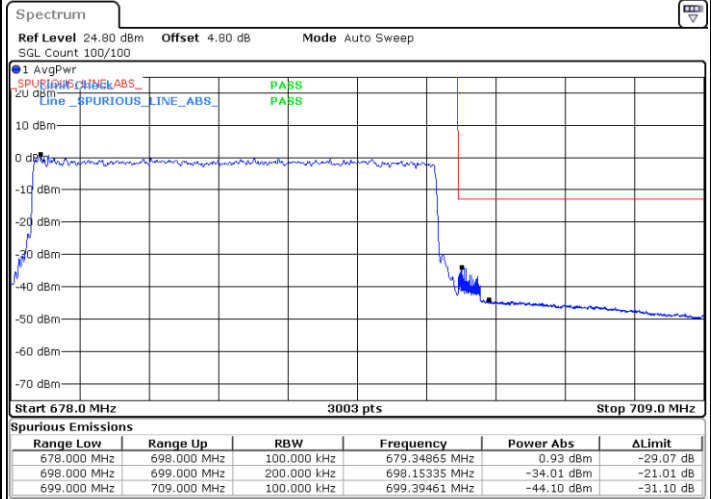
Date: 25.DEC.2022 02:39:07

Lowest Band Edge / Full RB



Date: 25.DEC.2022 01:29:22

Highest Band Edge / Full RB

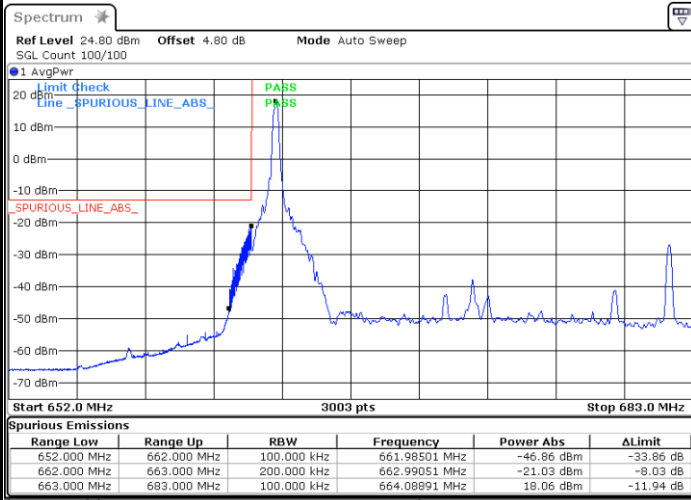


Date: 25.DEC.2022 01:44:39



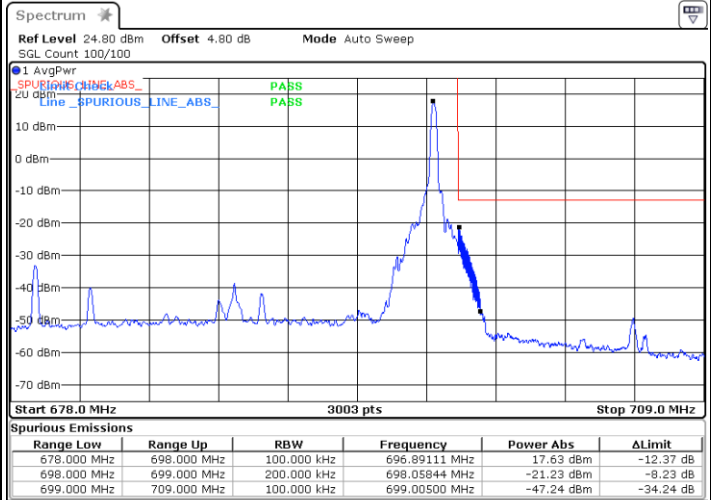
LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



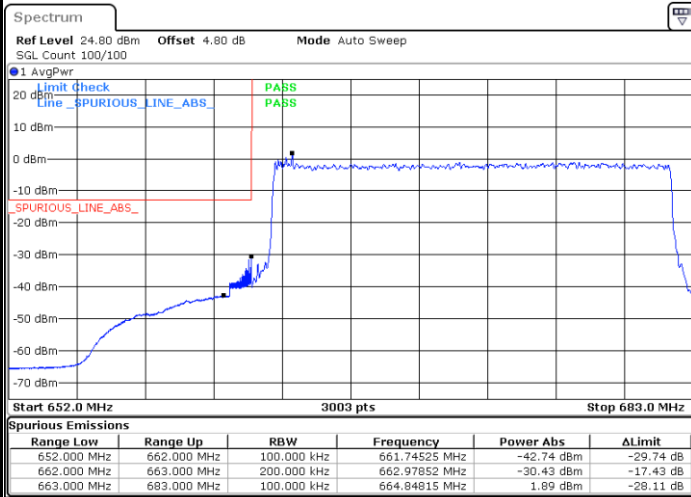
Date: 25.DEC.2022 02:36:31

Highest Band Edge / 1 RB



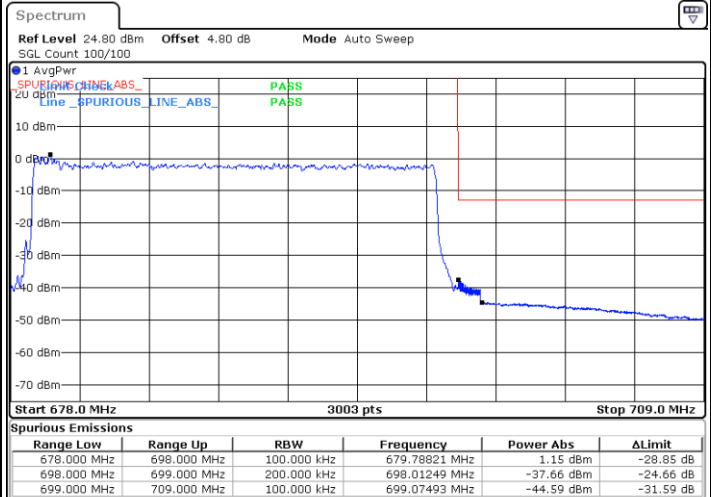
Date: 25.DEC.2022 02:37:48

Lowest Band Edge / Full RB



Date: 25.DEC.2022 01:30:23

Highest Band Edge / Full RB



Date: 25.DEC.2022 01:43:38

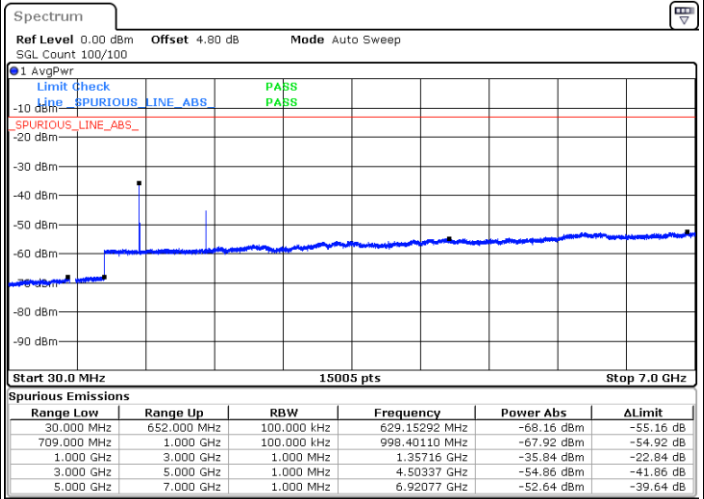
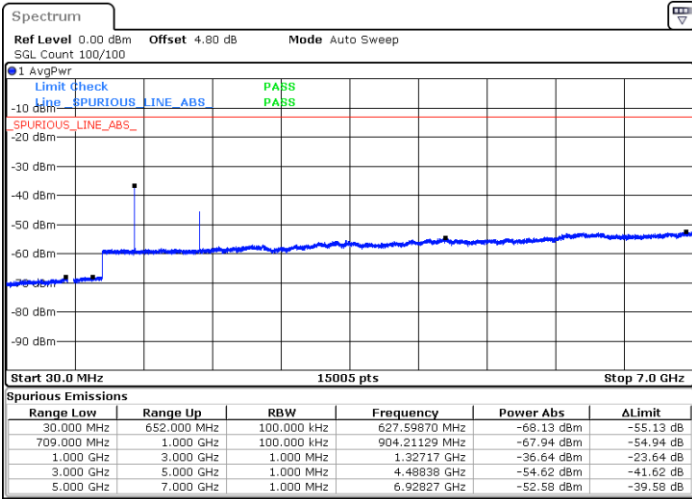


Conducted Spurious Emission

LTE Band 71 / 5MHz

Lowest Channel / QPSK

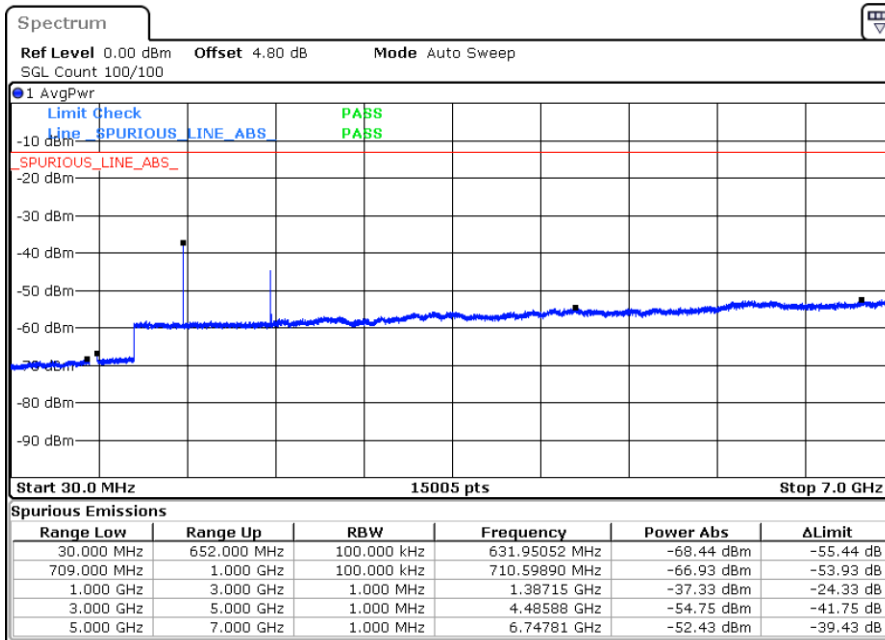
Middle Channel / QPSK



Date: 25. DEC. 2022 00:40:45

Date: 25. DEC. 2022 00:48:05

Highest Channel / QPSK



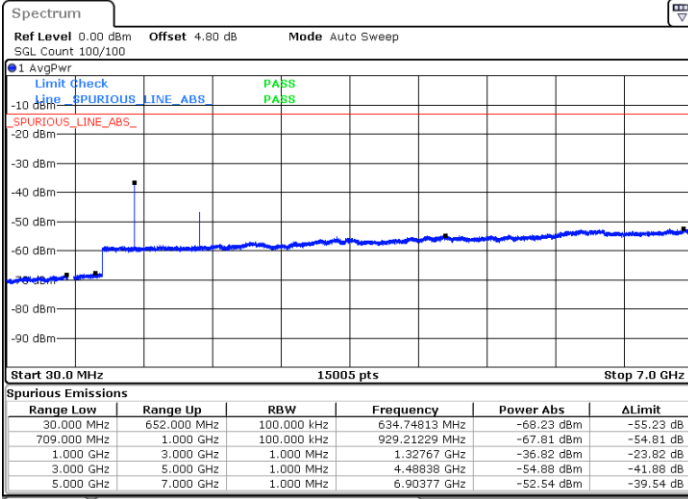
Date: 25. DEC. 2022 00:49:24



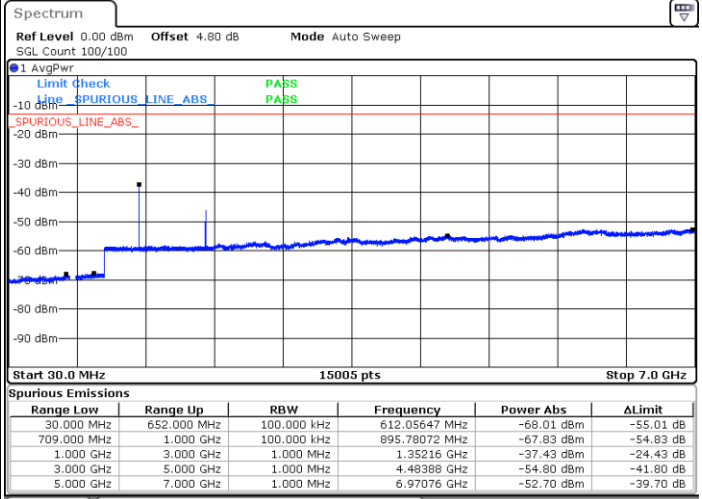
LTE Band 71 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

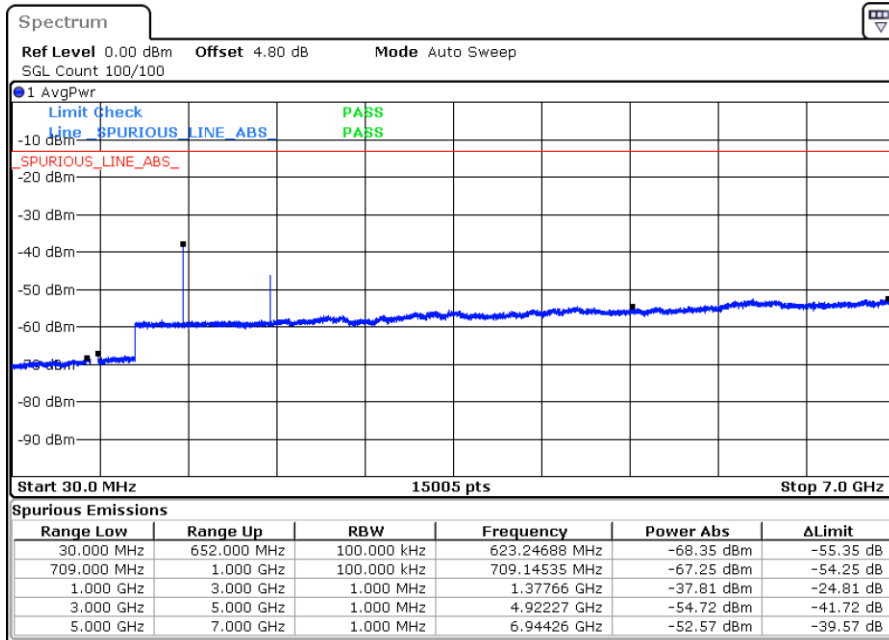


Date: 25 .DEC. 2022 01:02:45



Date: 25 .DEC. 2022 01:04:03

Highest Channel / QPSK



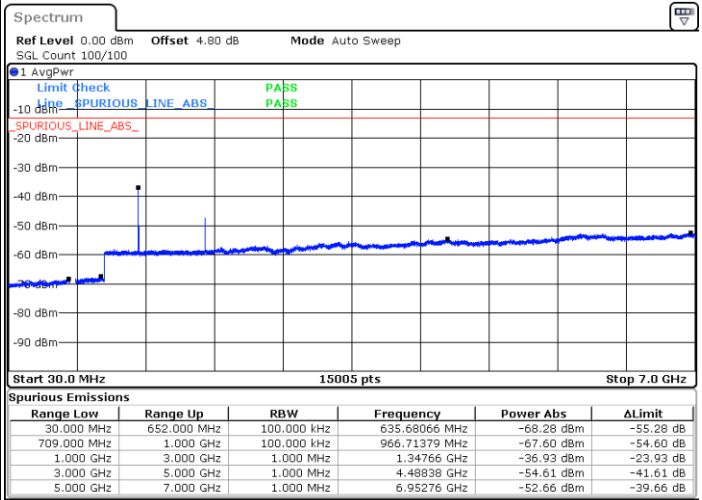
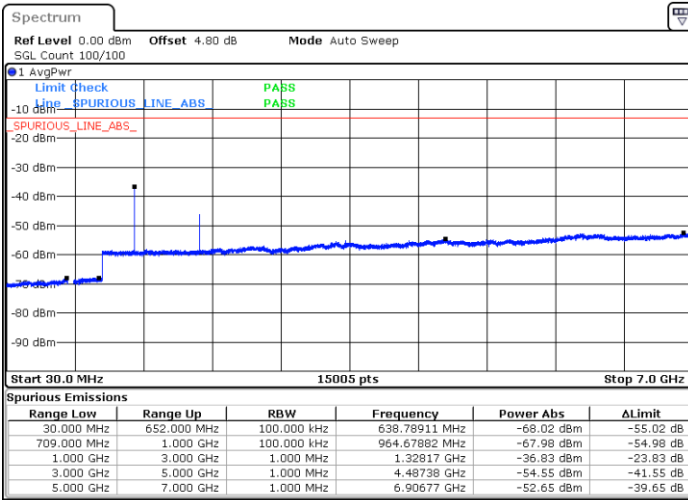
Date: 25 .DEC. 2022 01:05:22



LTE Band 71 / 15MHz

Lowest Channel / QPSK

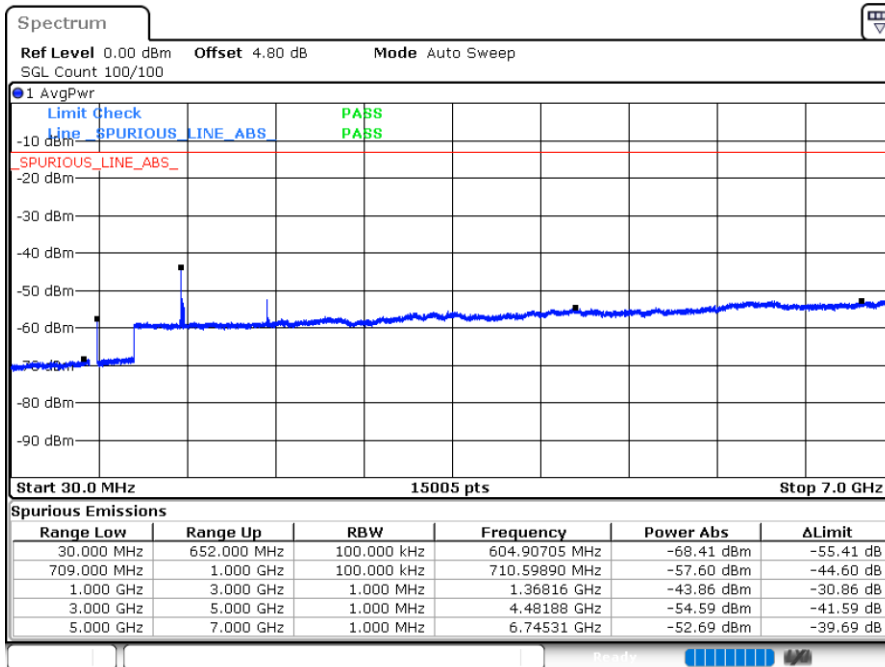
Middle Channel / QPSK



Date: 25.DEC.2022 01:18:43

Date: 25.DEC.2022 01:20:02

Highest Channel / QPSK



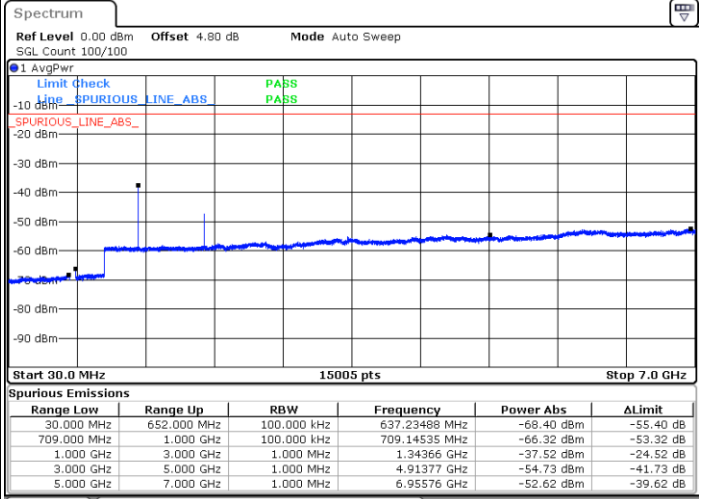
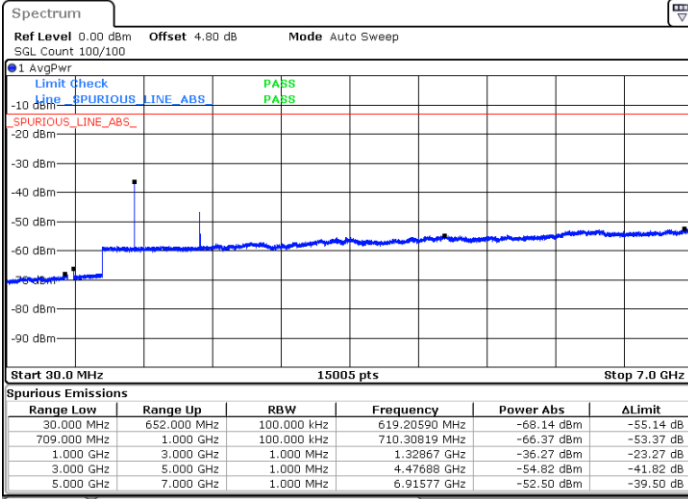
Date: 25.DEC.2022 01:21:20



LTE Band 71 / 20MHz

Lowest Channel / QPSK

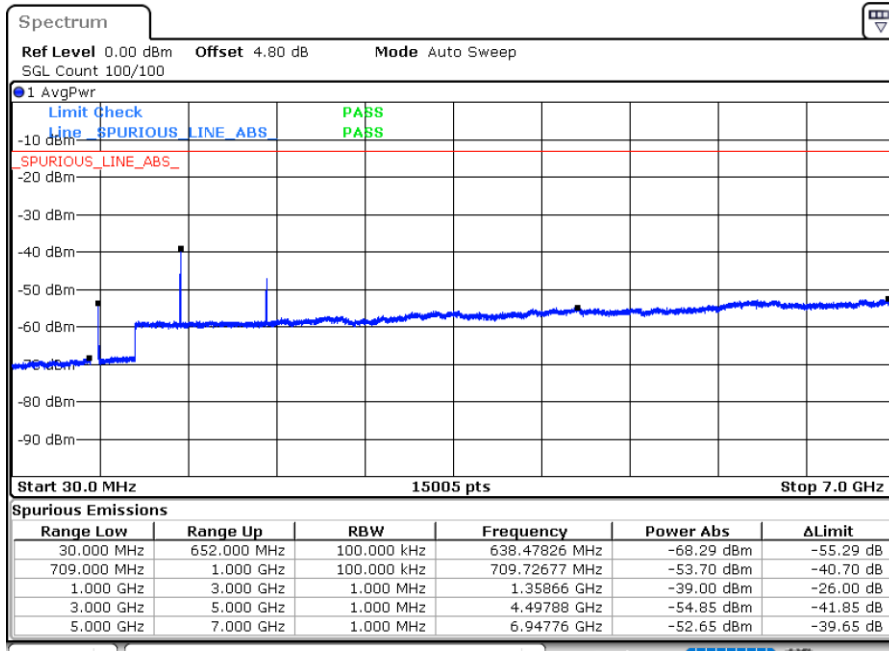
Middle Channel / QPSK



Date: 25.DEC.2022 01:34:42

Date: 25.DEC.2022 01:36:01

Highest Channel / QPSK



Date: 25.DEC.2022 01:38:43



Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0034	
20	Maximum Voltage	0.0032	
20	Normal Voltage	0.0026	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage =3.89V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

RSE pretest Ant.0 / Ant.3 for LTE B71, only the worst results are shown in the report.

LTE Band 7 / 20MHz / QPSK / Ant.1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5000	-62.75	-25	-37.75	-72.96	3.03	13.24	H
	7504	-59.93	-25	-34.93	-69.38	3.56	13.01	H
	10000	-61.56	-25	-36.56	-71.08	3.92	13.44	H
	5000	-62.93	-25	-37.93	-73.14	3.03	13.24	V
	7504	-56.83	-25	-31.83	-66.28	3.56	13.01	V
	10000	-62.29	-25	-37.29	-71.81	3.92	13.44	V
Middle	5052	-61.59	-25	-36.59	-71.80	3.03	13.24	H
	7576	-60.13	-25	-35.13	-69.58	3.56	13.01	H
	10100	-60.32	-25	-35.32	-69.84	3.92	13.44	H
	5052	-62.43	-25	-37.43	-72.64	3.03	13.24	V
	7576	-58.64	-25	-33.64	-68.09	3.56	13.01	V
	10100	-62.40	-25	-37.40	-71.92	3.92	13.44	V
Highest	5104	-63.97	-25	-38.97	-74.18	3.03	13.24	H
	7652	-57.80	-25	-32.80	-67.25	3.56	13.01	H
	10200	-61.37	-25	-36.37	-70.89	3.92	13.44	H
	5104	-63.48	-25	-38.48	-73.69	3.03	13.24	V
	7652	-57.86	-25	-32.86	-67.31	3.56	13.01	V
	10200	-62.60	-25	-37.60	-72.12	3.92	13.44	V

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



LTE Band 41 / 20MHz / QPSK / Ant.1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4994	-51.28	-25	-26.28	-61.49	3.03	13.24	H
	7486	-53.67	-25	-28.67	-63.12	3.56	13.01	H
	9992	-52.89	-25	-27.89	-62.41	3.92	13.44	H
	4994	-54.97	-25	-29.97	-65.18	3.03	13.24	V
	7486	-52.67	-25	-27.67	-62.12	3.56	13.01	V
	9992	-52.89	-25	-27.89	-62.41	3.92	13.44	V
Middle	5162	-51.14	-25	-26.14	-61.35	3.03	13.24	H
	7752	-51.99	-25	-26.99	-61.44	3.56	13.01	H
	10328	-49.75	-25	-24.75	-59.27	3.92	13.44	H
	5162	-53.46	-25	-28.46	-63.67	3.03	13.24	V
	7752	-52.48	-25	-27.48	-61.93	3.56	13.01	V
	10336.36	-51.48	-25	-26.48	-61.00	3.92	13.44	V
Highest	5344	-55.31	-25	-30.31	-65.52	3.03	13.24	H
	8018	-52.41	-25	-27.41	-61.86	3.56	13.01	H
	10678	-51.85	-25	-26.85	-61.37	3.92	13.44	H
	5344	-56.18	-25	-31.18	-66.39	3.03	13.24	V
	8018	-53.02	-25	-28.02	-62.47	3.56	13.01	V
	10678	-52.24	-25	-27.24	-61.76	3.92	13.44	V

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



LTE Band 71 / 20MHz / QPSK / Ant.0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1328	-64.57	-13	-51.57	-66.32	1.02	4.92	H
	1992.27	-59.67	-13	-46.67	-61.64	1.27	5.39	H
	2656.36	-58.36	-13	-45.36	-61.29	1.49	6.57	H
	1328	-64.54	-13	-51.54	-66.29	1.02	4.92	V
	1992.27	-58.52	-13	-45.52	-60.49	1.27	5.39	V
	2656.36	-58.05	-13	-45.05	-60.98	1.49	6.57	V
Middle	1352	-66.41	-13	-53.41	-68.16	1.02	4.92	H
	2022.27	-62.15	-13	-49.15	-64.12	1.27	5.39	H
	2696.36	-60.16	-13	-47.16	-63.09	1.49	6.57	H
	1348.18	-66.14	-13	-53.14	-67.89	1.02	4.92	V
	2022.27	-60.82	-13	-47.82	-62.79	1.27	5.39	V
	2696	-59.81	-13	-46.81	-62.74	1.49	6.57	V
Highest	1358.18	-66.82	-13	-53.82	-68.57	1.02	4.92	H
	2037.27	-62.41	-13	-49.41	-64.38	1.27	5.39	H
	2720	-60.13	-13	-47.13	-63.06	1.49	6.57	H
	1360	-66.70	-13	-53.70	-68.45	1.02	4.92	V
	2037.27	-60.83	-13	-47.83	-62.80	1.27	5.39	V
	2716.36	-59.67	-13	-46.67	-62.60	1.49	6.57	V

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



LTE Band 41C_CA / 20MHz+20MHz / QPSK / ANT1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest (1RB0)	4994	-64.25	-25	-39.25	-74.46	3.03	13.24	H
	7486	-62.51	-25	-37.51	-71.96	3.56	13.01	H
	9992	-59.60	-25	-34.60	-69.12	3.92	13.44	H
	4994	-63.84	-25	-38.84	-74.05	3.03	13.24	V
	7486	-62.21	-25	-37.21	-71.66	3.56	13.01	V
	9992	-59.79	-25	-34.79	-69.31	3.92	13.44	V
Lowest (1RBMax)	5036	-63.55	-25	-38.55	-73.76	3.03	13.24	H
	7550.67	-62.49	-25	-37.49	-71.94	3.56	13.01	H
	10067.56	-59.18	-25	-34.18	-68.70	3.92	13.44	H
	5033.78	-63.37	-25	-38.37	-73.58	3.03	13.24	V
	7550.67	-62.60	-25	-37.60	-72.05	3.56	13.01	V
	10062	-59.35	-25	-34.35	-68.87	3.92	13.44	V
Middle (1RB0)	5148.38	-63.32	-25	-38.32	-73.53	3.03	13.24	H
	7722.57	-62.15	-25	-37.15	-71.60	3.56	13.01	H
	10300	-58.06	-25	-33.06	-67.58	3.92	13.44	H
	5148	-61.29	-25	-36.29	-71.50	3.03	13.24	V
	7722.57	-62.18	-25	-37.18	-71.63	3.56	13.01	V
	10296.76	-58.21	-25	-33.21	-67.73	3.92	13.44	V
Middle (1RBMax)	5190	-62.90	-25	-37.90	-73.11	3.03	13.24	H
	7780	-61.95	-25	-36.95	-71.40	3.56	13.01	H
	10375.96	-57.80	-25	-32.80	-67.32	3.92	13.44	H
	5187.98	-62.84	-25	-37.84	-73.05	3.03	13.24	V
	7781.97	-62.08	-25	-37.08	-71.53	3.56	13.01	V
	10370	-57.77	-25	-32.77	-67.29	3.92	13.44	V
Highest (1RB0)	5302	-63.24	-25	-38.24	-73.45	3.03	13.24	H
	7953	-62.03	-25	-37.03	-71.48	3.56	13.01	H
	10608	-58.36	-25	-33.36	-67.88	3.92	13.44	H
	5302	-62.92	-25	-37.92	-73.13	3.03	13.24	V
	7953.87	-61.90	-25	-36.90	-71.35	3.56	13.01	V
	10608	-58.51	-25	-33.51	-68.03	3.92	13.44	V
Highest (1RBMax)	5344	-63.38	-25	-38.38	-73.59	3.03	13.24	H
	8013.27	-61.70	-25	-36.70	-71.15	3.56	13.01	H
	10684.36	-58.84	-25	-33.84	-68.36	3.92	13.44	H
	5342.18	-63.35	-25	-38.35	-73.56	3.03	13.24	V
	8013.27	-61.70	-25	-36.70	-71.15	3.56	13.01	V
	10678	-58.90	-25	-33.90	-68.42	3.92	13.44	V

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