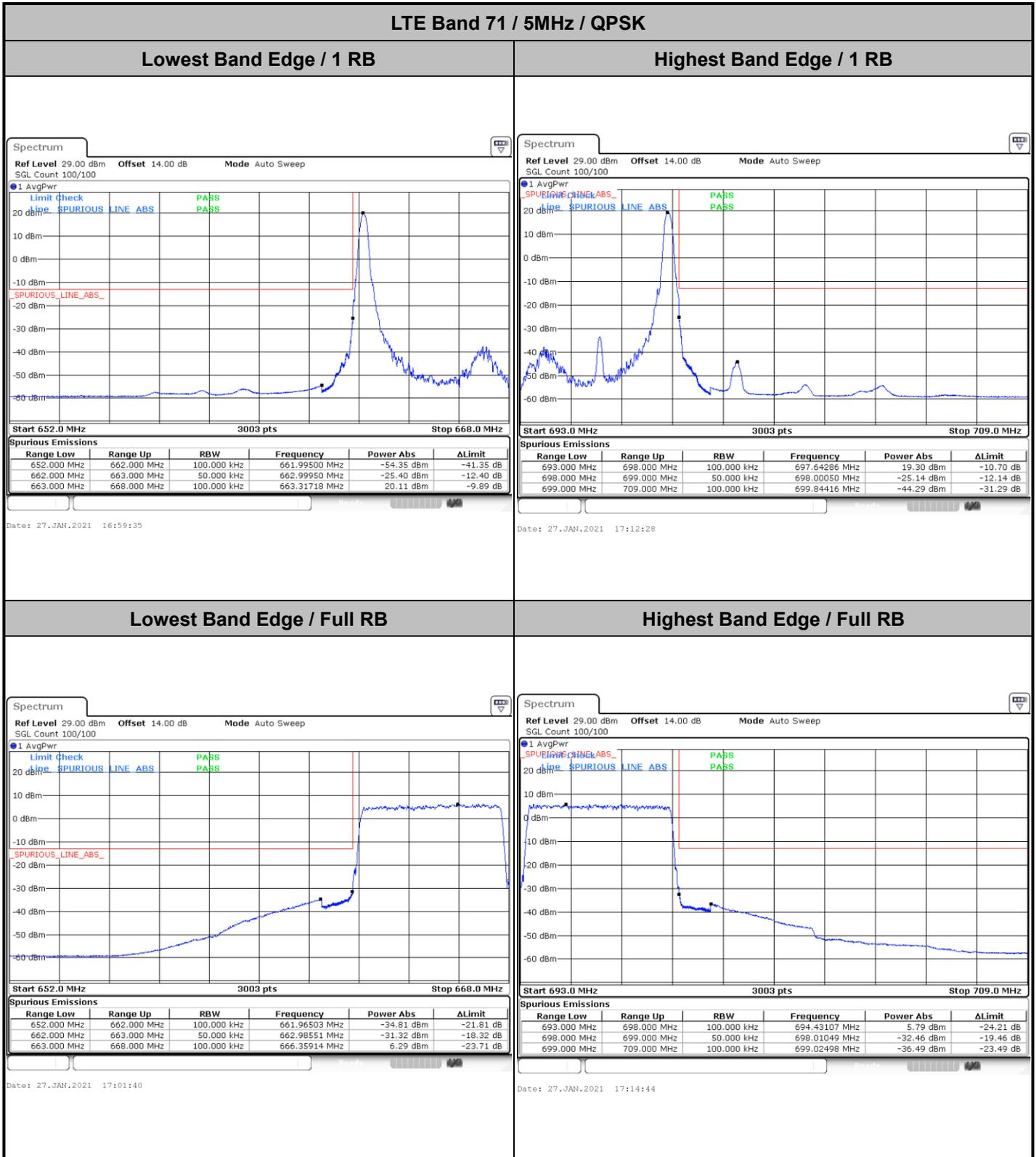




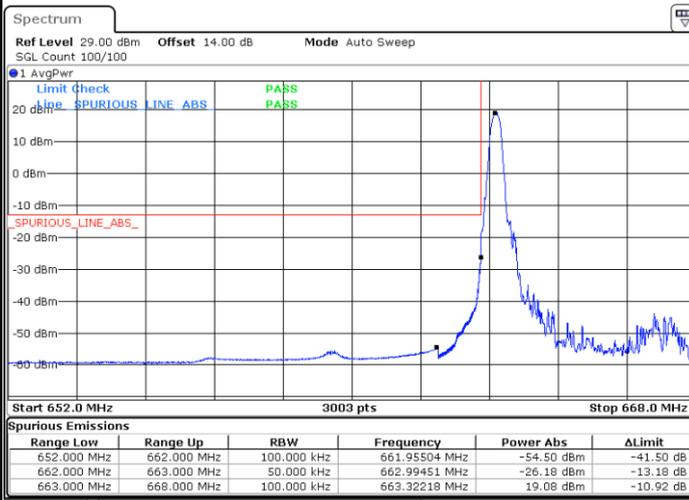
Conducted Band Edge





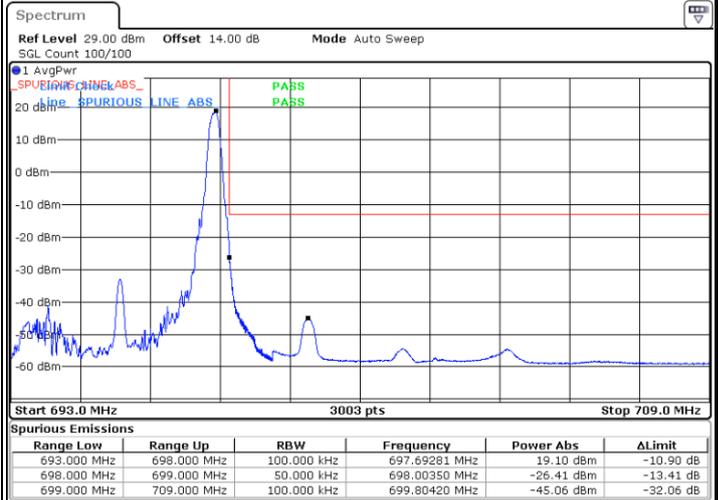
LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



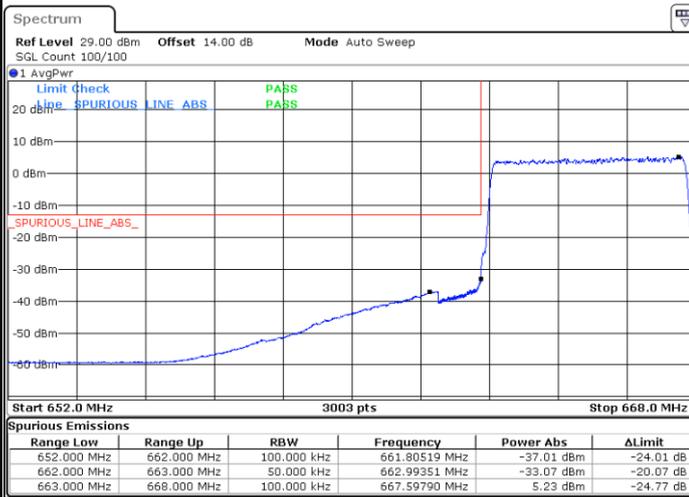
Date: 27.JAN.2021 17:00:38

Highest Band Edge / 1 RB



Date: 27.JAN.2021 17:13:36

Lowest Band Edge / Full RB



Date: 27.JAN.2021 17:02:48

Highest Band Edge / Full RB

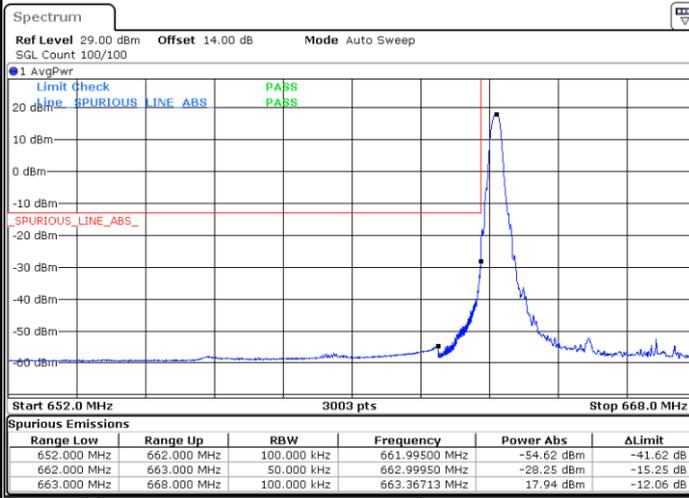


Date: 27.JAN.2021 17:15:52



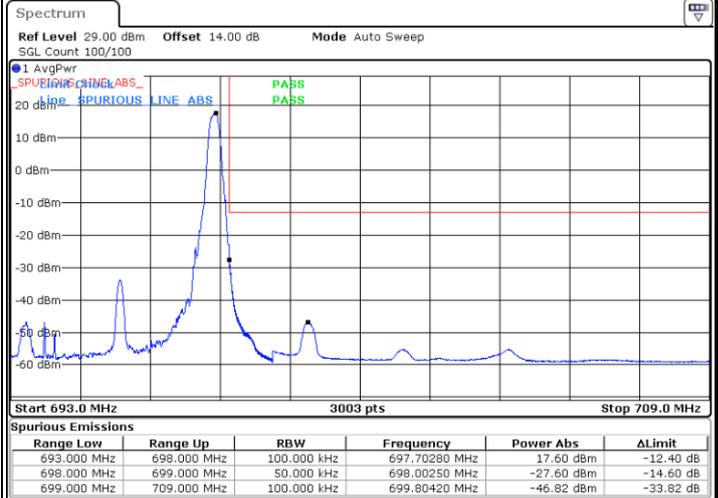
LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1RB



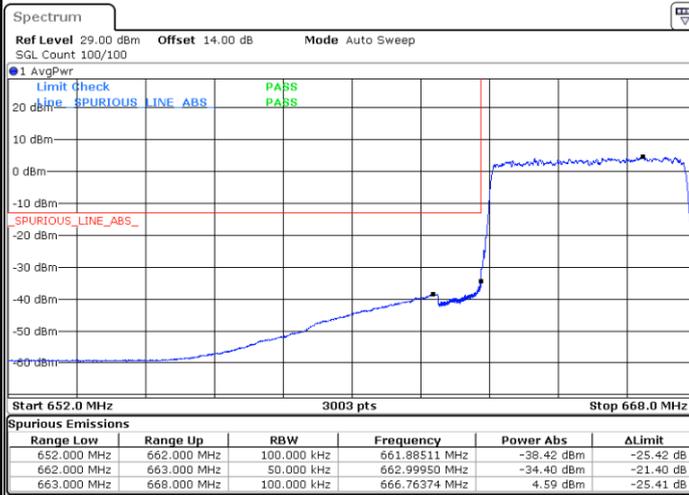
Date: 27.JAN.2021 17:20:10

Highest Band Edge / 1 RB



Date: 27.JAN.2021 17:26:18

Lowest Band Edge / Full RB



Date: 27.JAN.2021 17:21:17

Highest Band Edge / Full RB

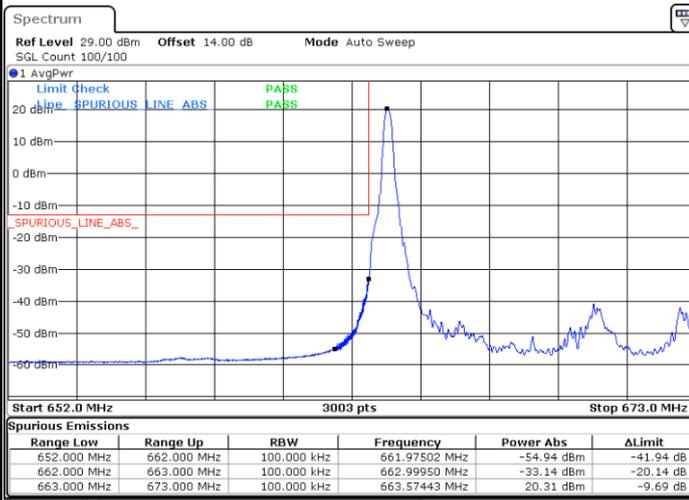


Date: 27.JAN.2021 17:27:27



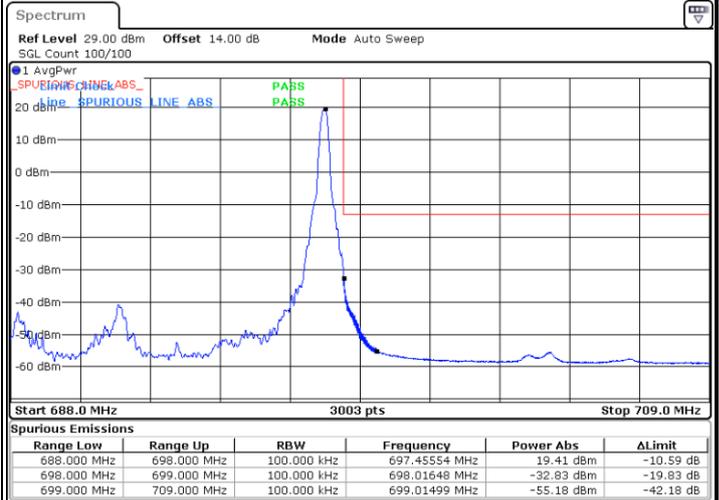
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / 1 RB



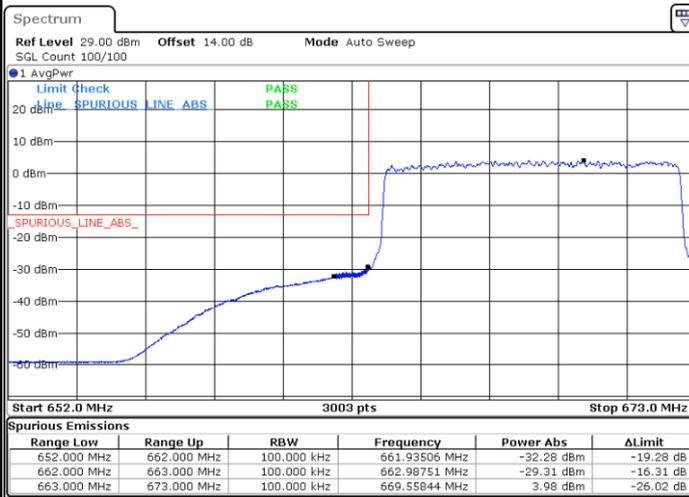
Date: 28.JAN.2021 08:40:34

Highest Band Edge / 1 RB



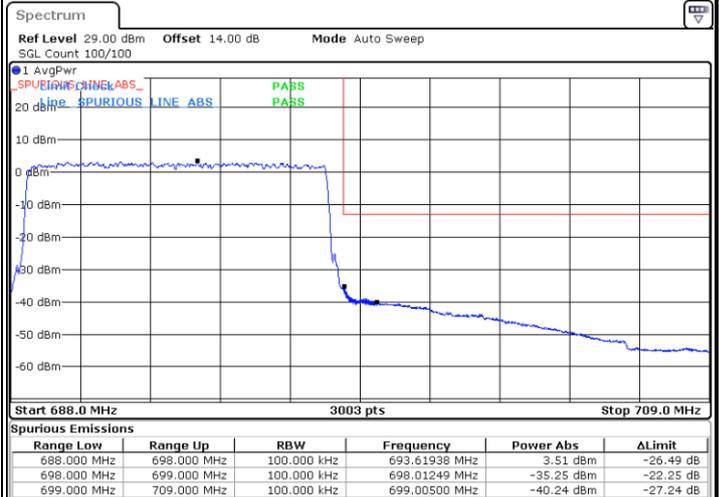
Date: 28.JAN.2021 08:53:34

Lowest Band Edge / Full RB



Date: 28.JAN.2021 08:42:48

Highest Band Edge / Full RB

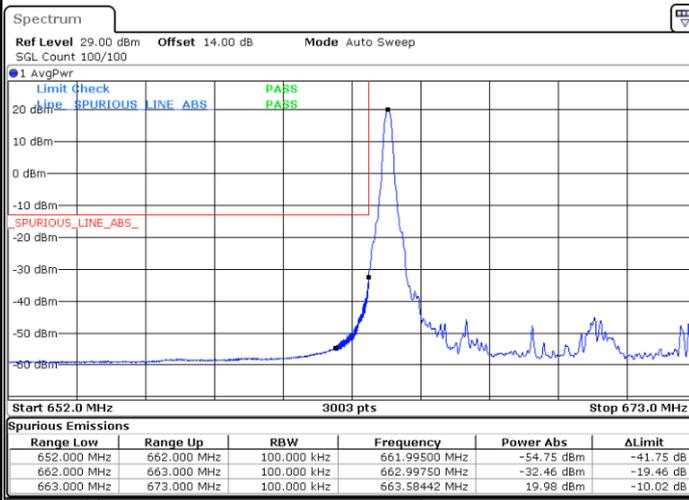


Date: 28.JAN.2021 08:55:49



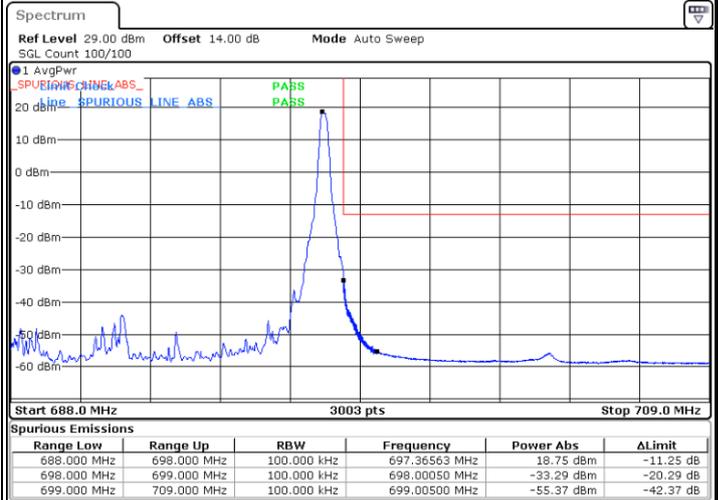
LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



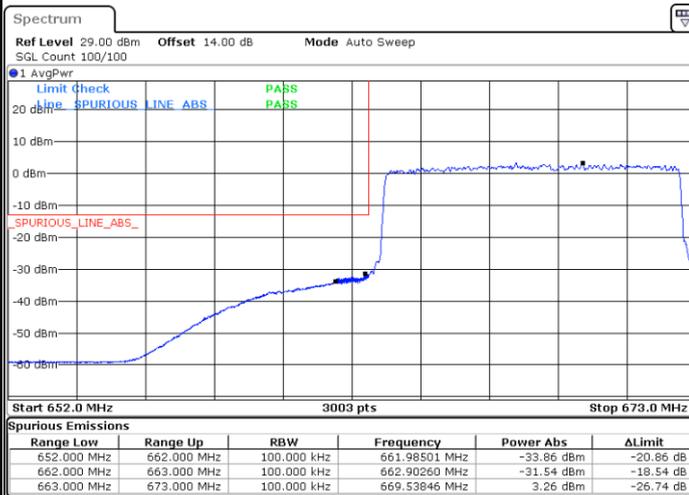
Date: 28.JAN.2021 08:41:41

Highest Band Edge / 1 RB



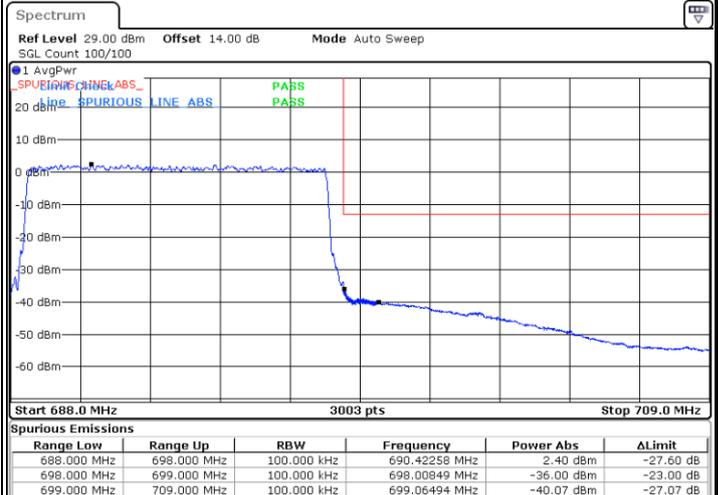
Date: 28.JAN.2021 08:54:42

Lowest Band Edge / Full RB



Date: 28.JAN.2021 08:43:55

Highest Band Edge / Full RB

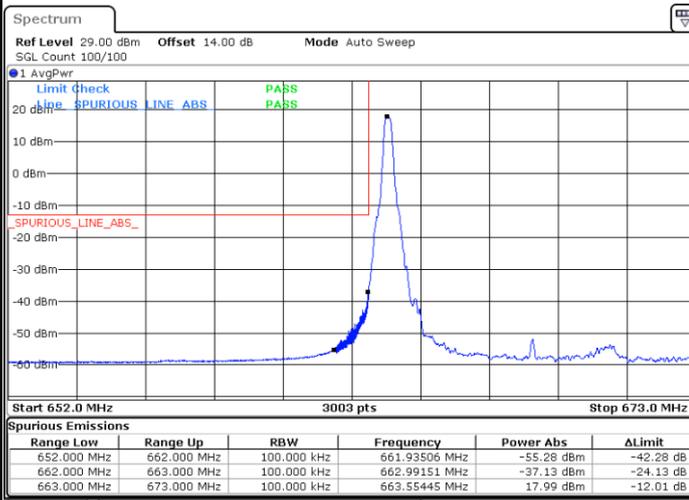


Date: 28.JAN.2021 08:56:56



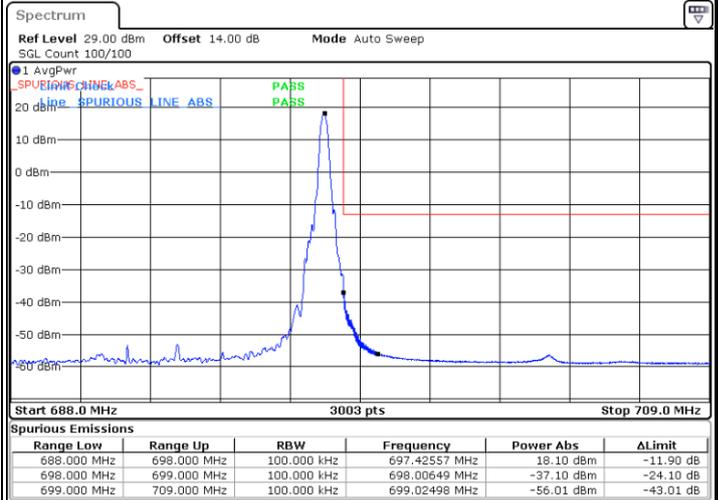
LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



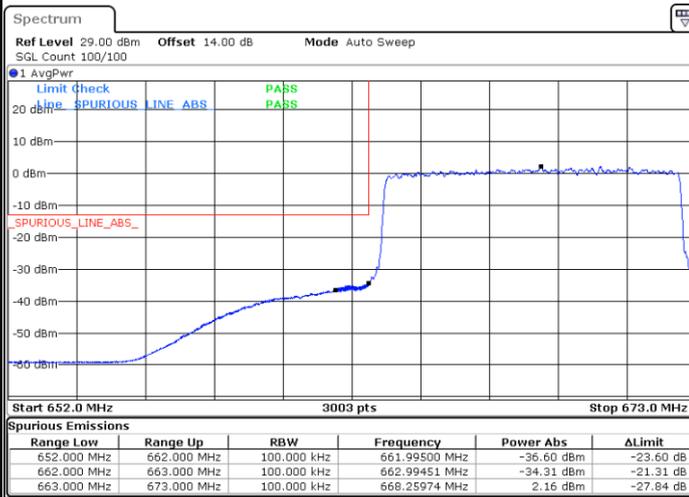
Date: 28.JAN.2021 09:01:13

Highest Band Edge / 1 RB



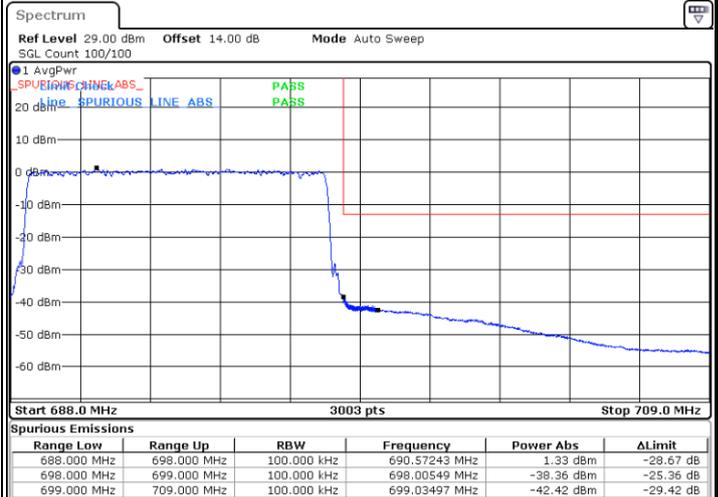
Date: 28.JAN.2021 09:07:20

Lowest Band Edge / Full RB



Date: 28.JAN.2021 09:02:20

Highest Band Edge / Full RB

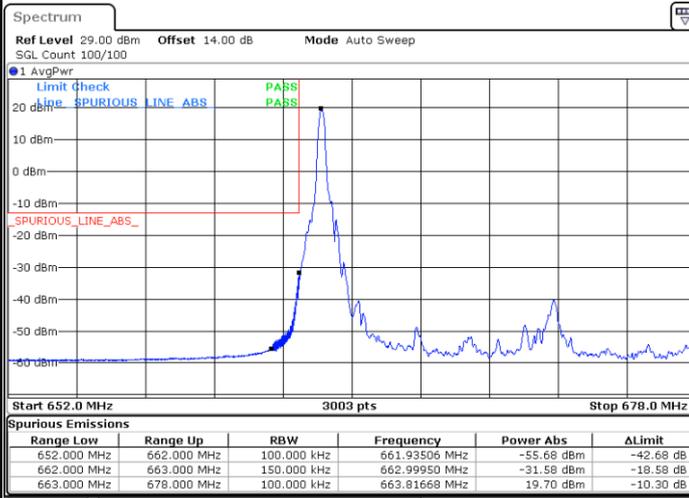


Date: 28.JAN.2021 09:08:27



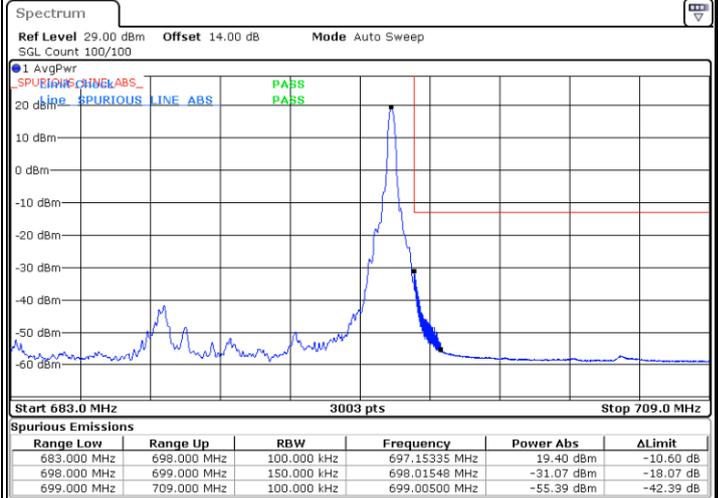
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / 1 RB



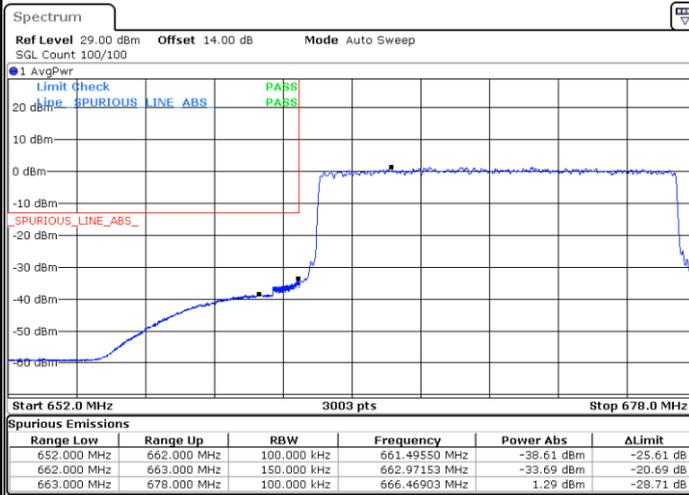
Date: 28.JAN.2021 09:12:37

Highest Band Edge / 1 RB



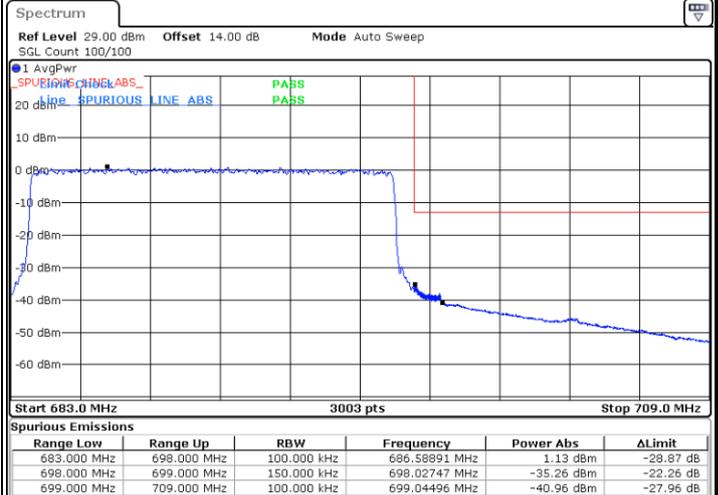
Date: 28.JAN.2021 09:25:37

Lowest Band Edge / Full RB



Date: 28.JAN.2021 09:14:51

Highest Band Edge / Full RB

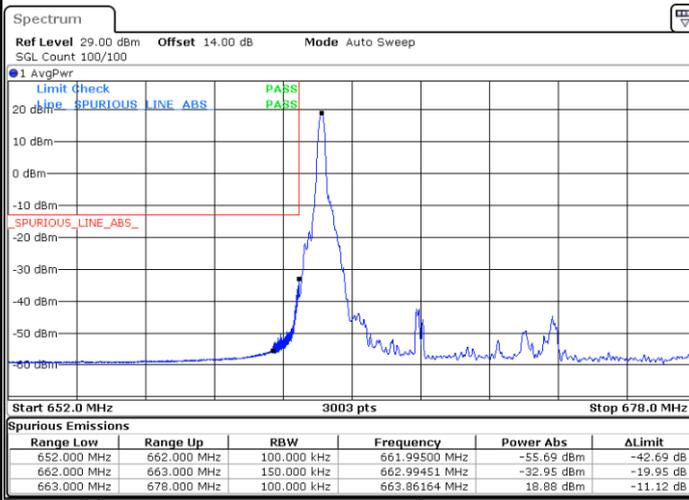


Date: 28.JAN.2021 09:27:51



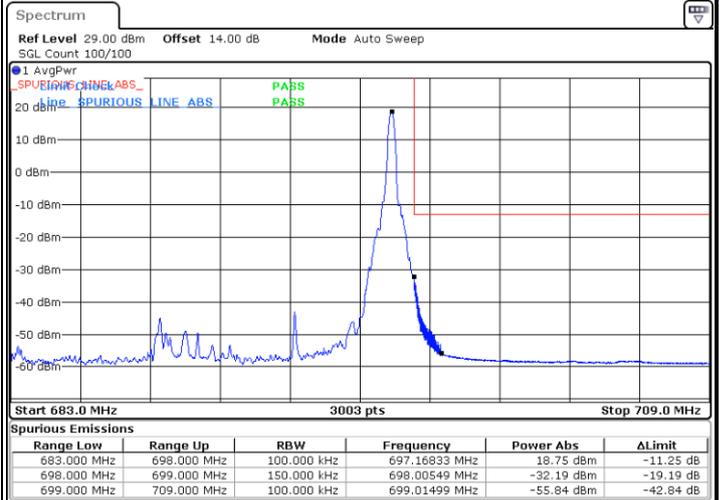
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



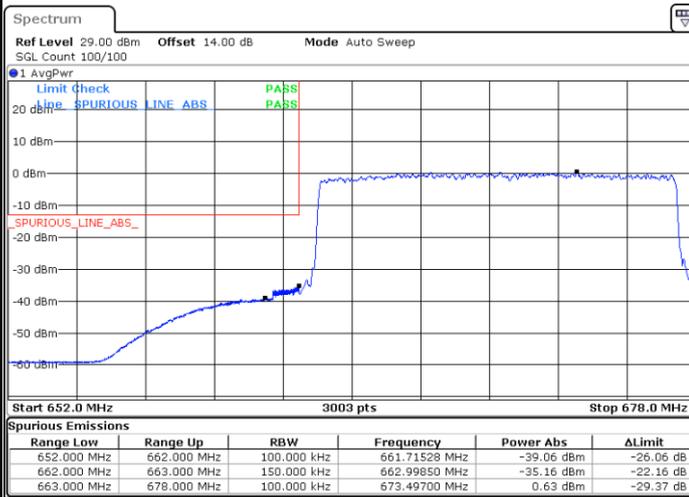
Date: 28.JAN.2021 09:13:44

Highest Band Edge / 1 RB



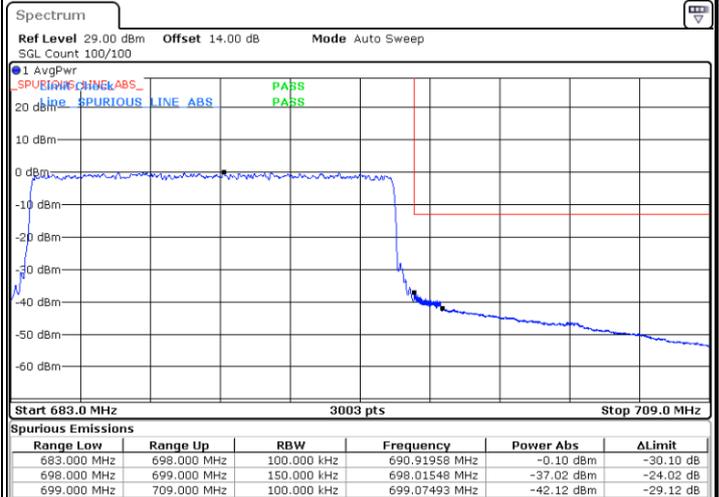
Date: 28.JAN.2021 09:26:44

Lowest Band Edge / Full RB



Date: 28.JAN.2021 09:15:58

Highest Band Edge / Full RB

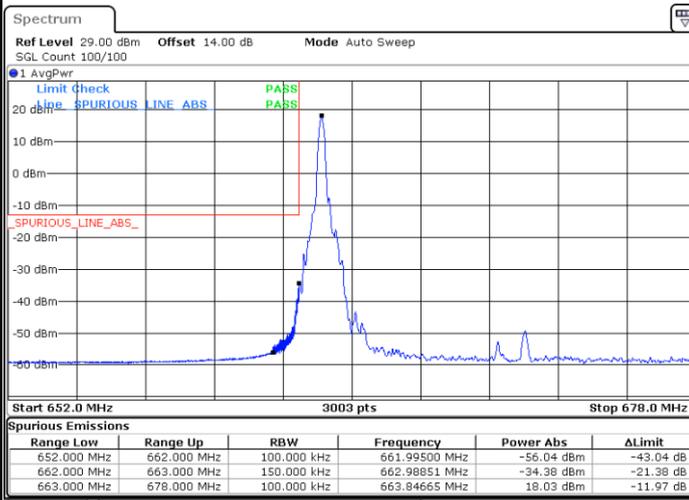


Date: 28.JAN.2021 09:28:59



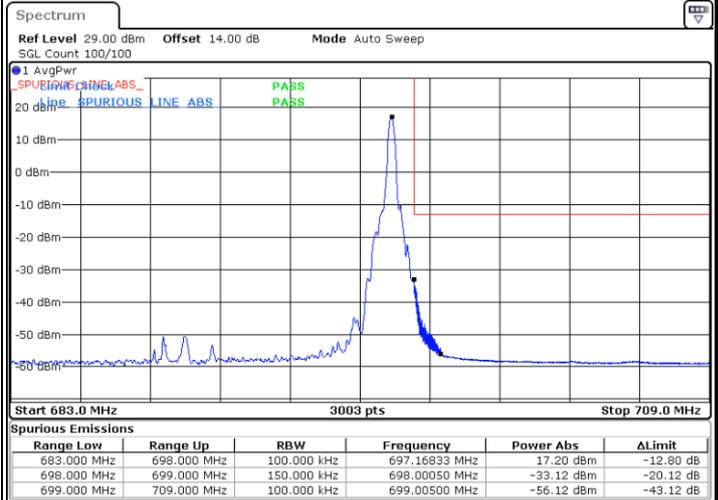
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



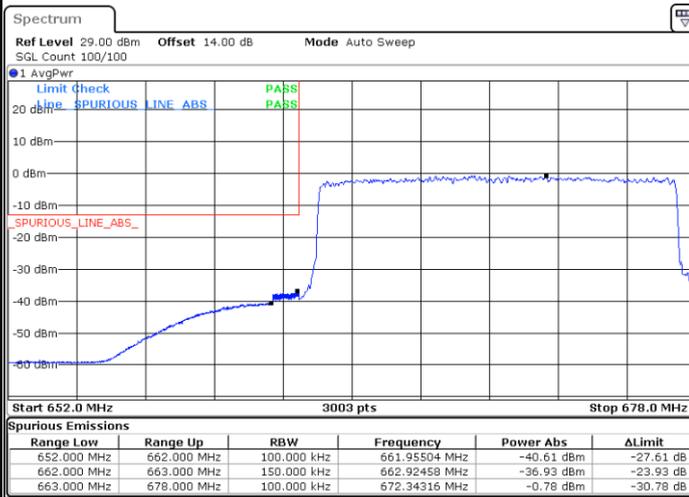
Date: 28.JAN.2021 09:33:16

Highest Band Edge / 1 RB



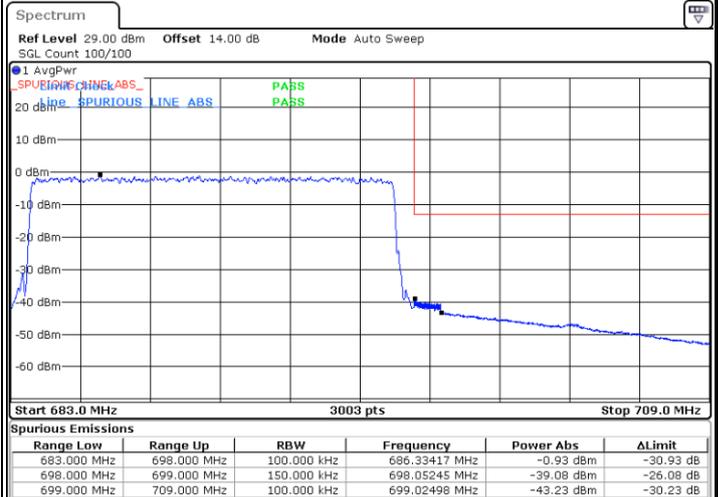
Date: 28.JAN.2021 09:39:23

Lowest Band Edge / Full RB

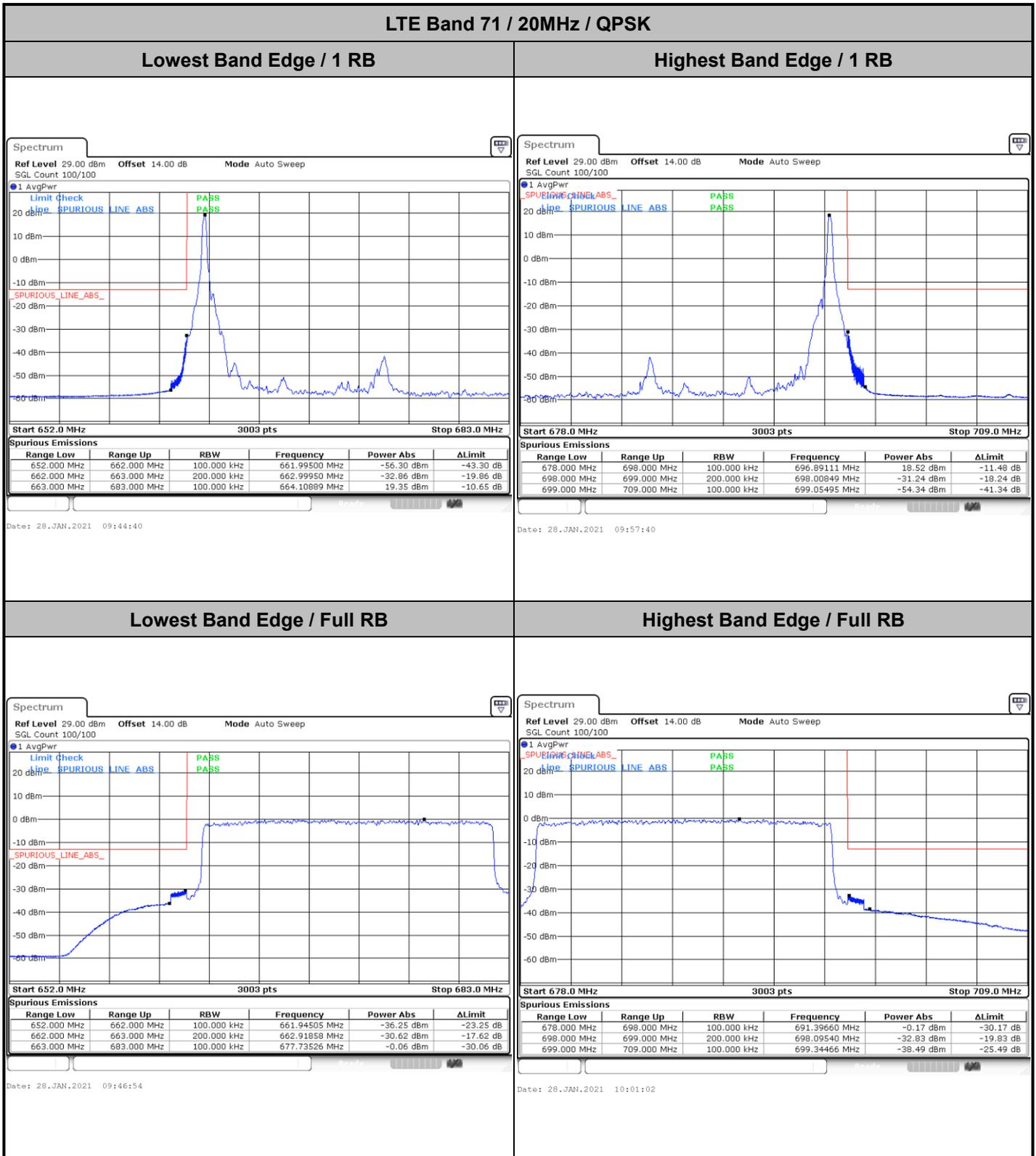


Date: 28.JAN.2021 09:34:24

Highest Band Edge / Full RB



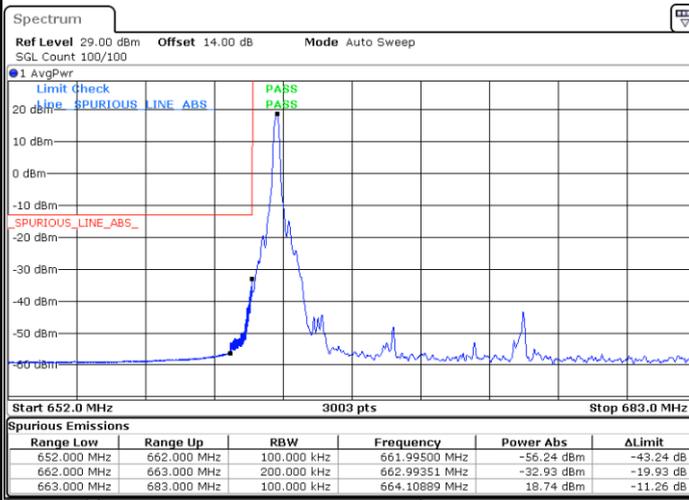
Date: 28.JAN.2021 09:40:31





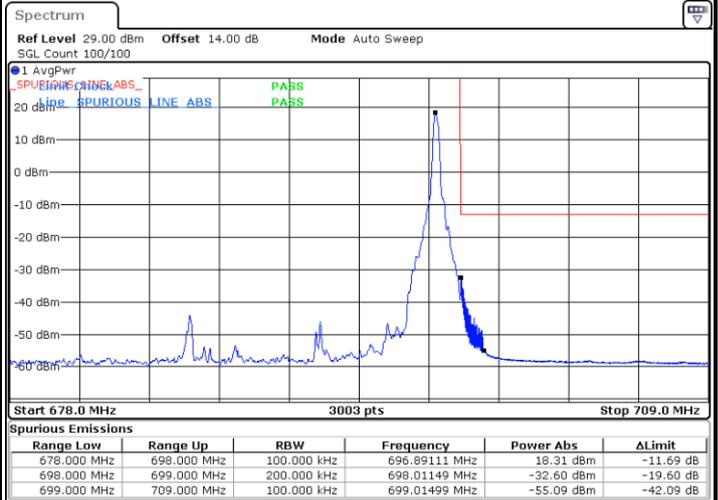
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



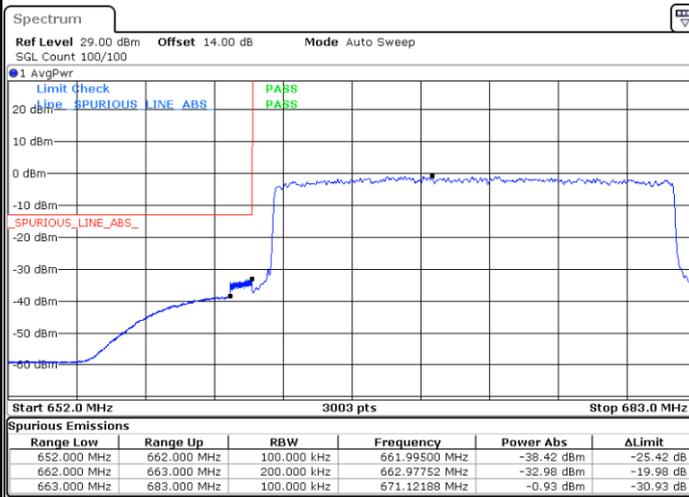
Date: 28.JAN.2021 09:45:47

Highest Band Edge / 1RB



Date: 28.JAN.2021 09:58:47

Lowest Band Edge / Full RB



Date: 28.JAN.2021 09:48:02

Highest Band Edge / Full RB

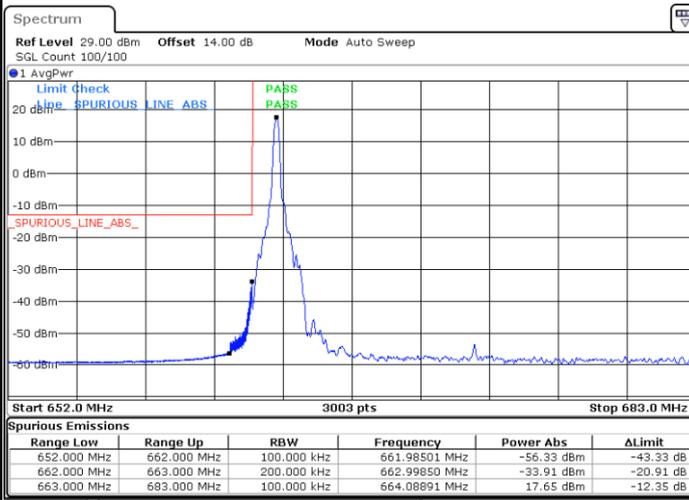


Date: 28.JAN.2021 09:59:54



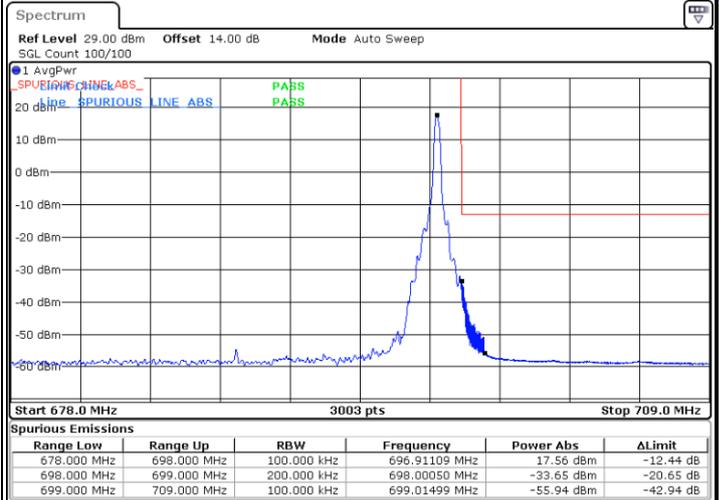
LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



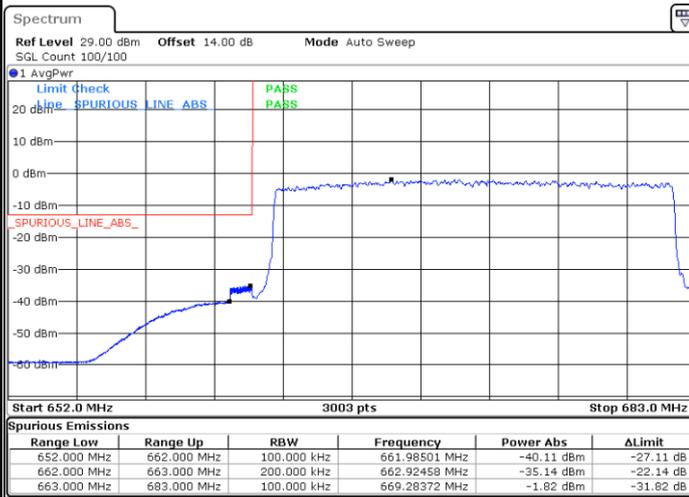
Date: 28.JAN.2021 10:05:19

Highest Band Edge / 1 RB



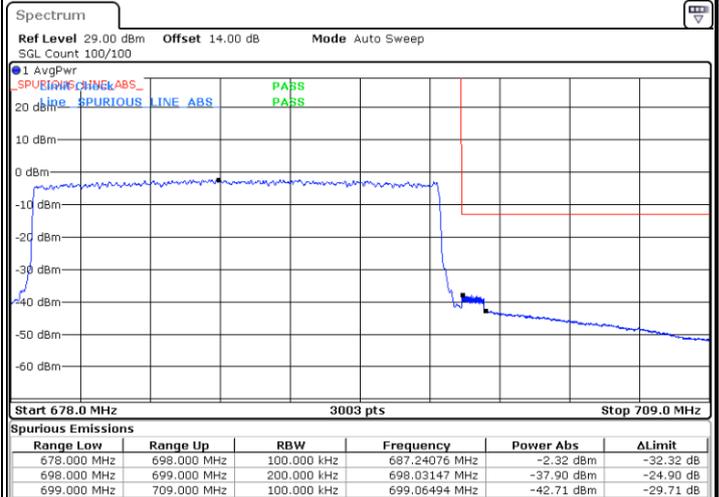
Date: 28.JAN.2021 10:11:26

Lowest Band Edge / Full RB



Date: 28.JAN.2021 10:06:26

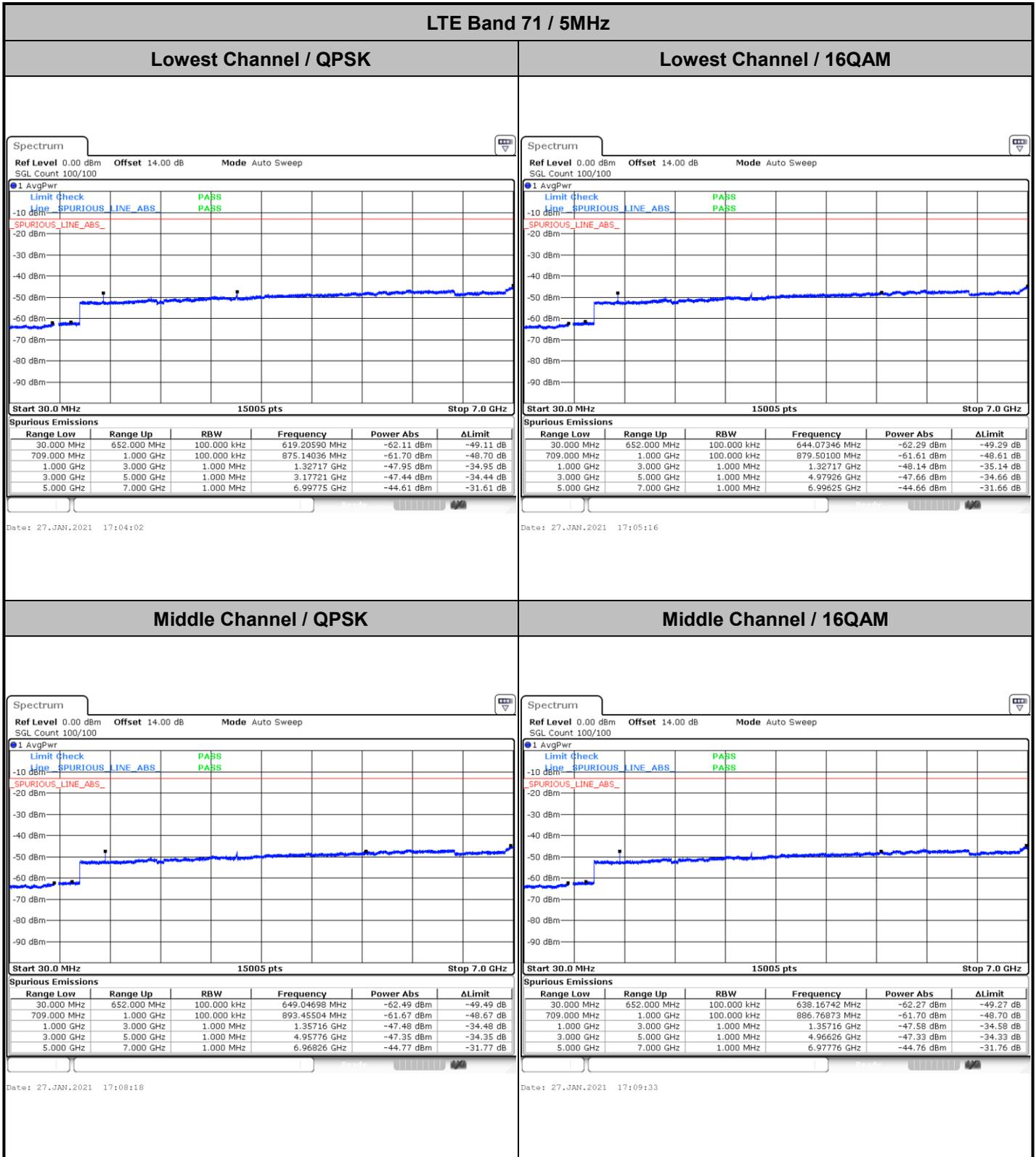
Highest Band Edge / Full RB



Date: 28.JAN.2021 10:12:34



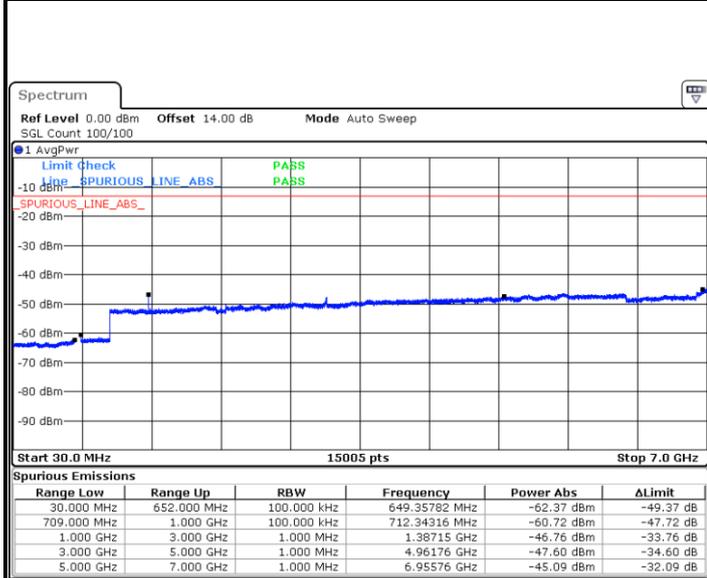
Conducted Spurious Emission





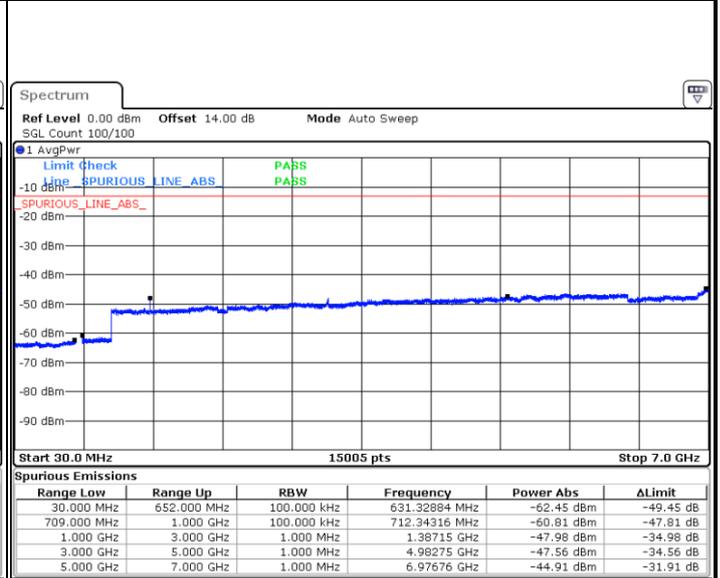
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 27.JAN.2021 17:17:05

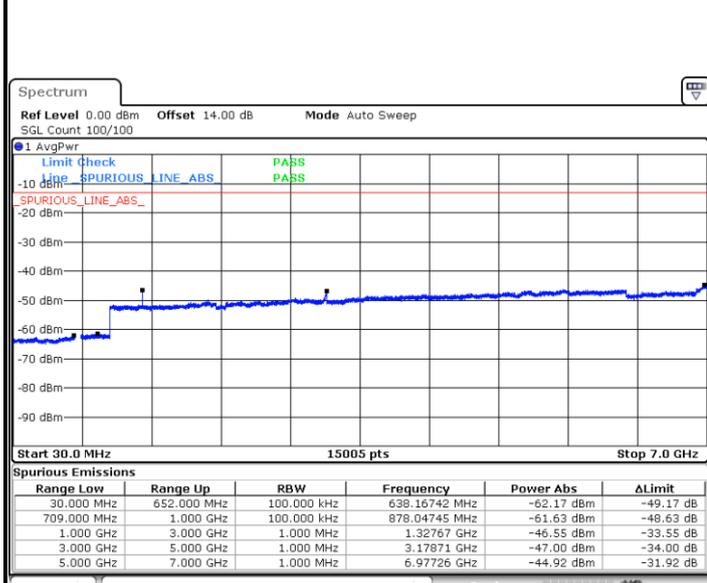
Highest Channel / 16QAM



Date: 27.JAN.2021 17:18:19

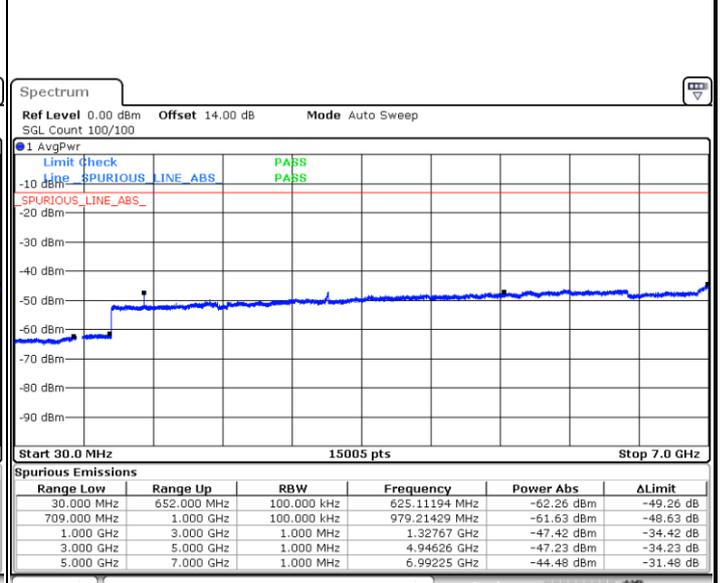
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 28.JAN.2021 08:45:09

Lowest Channel / 16QAM

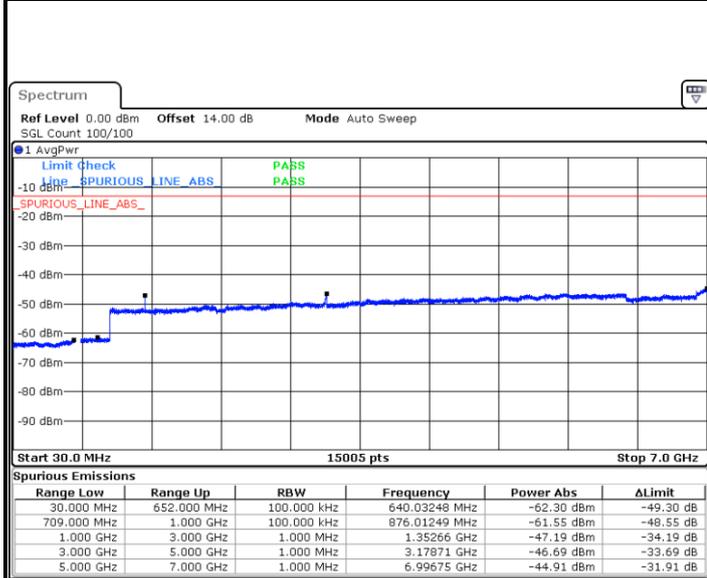


Date: 28.JAN.2021 08:46:23



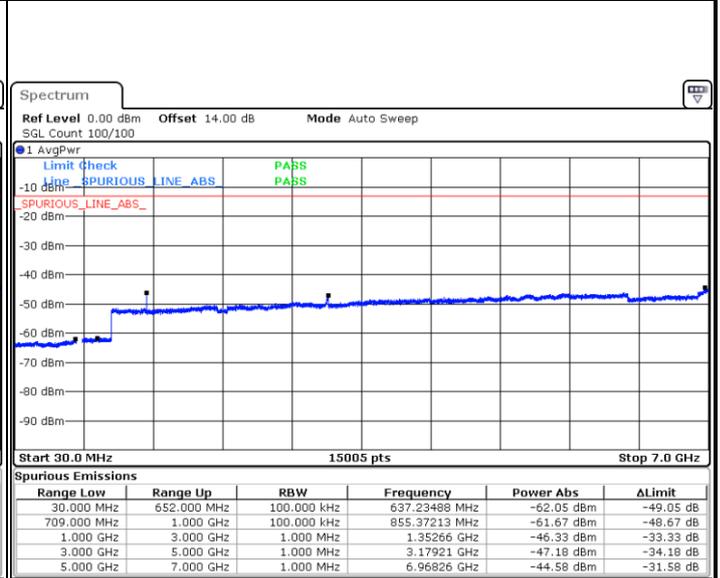
LTE Band 71 / 10MHz

Middle Channel / QPSK



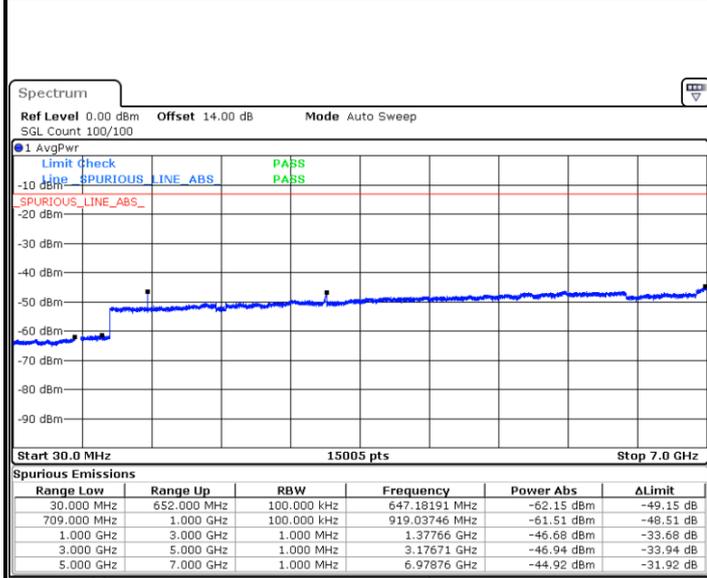
Date: 28.JAN.2021 08:49:26

Middle Channel / 16QAM



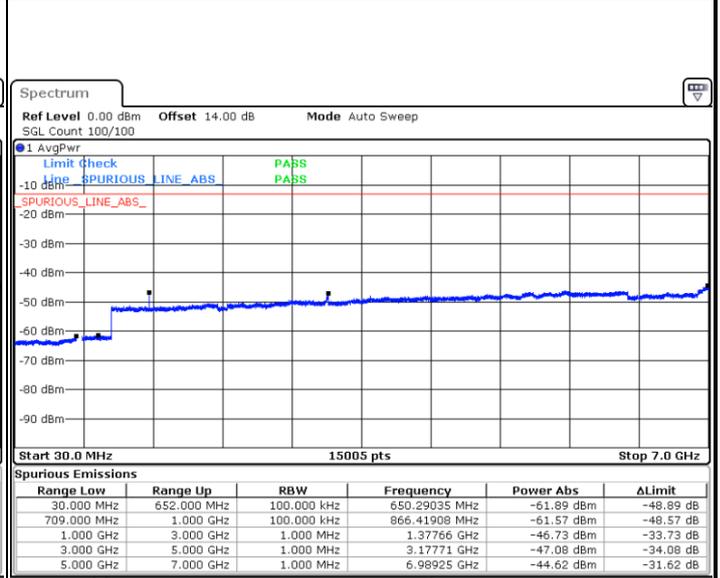
Date: 28.JAN.2021 08:50:40

Highest Channel / QPSK



Date: 28.JAN.2021 08:58:10

Highest Channel / 16QAM

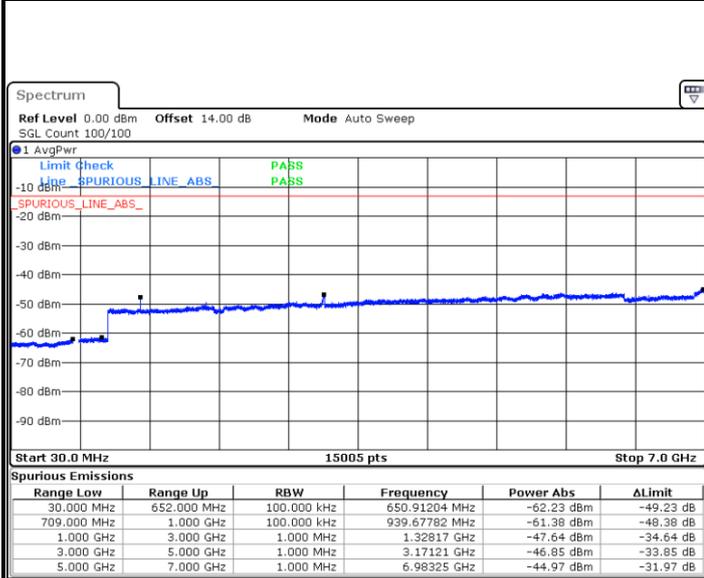


Date: 28.JAN.2021 08:59:24



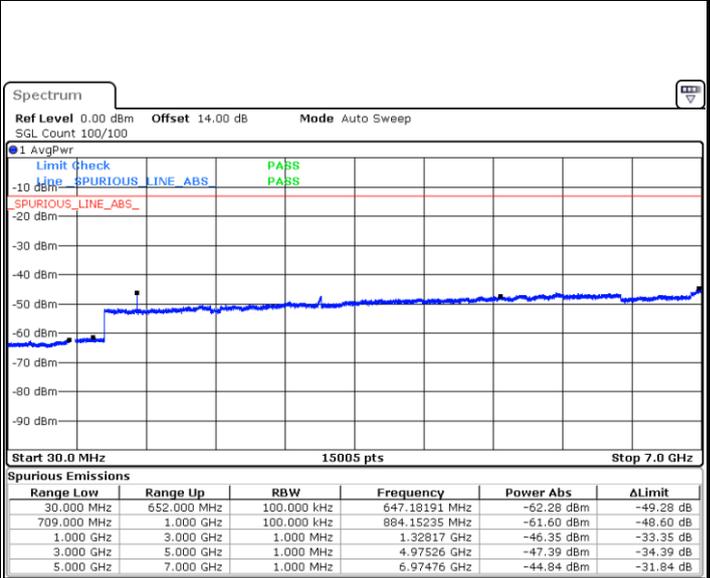
LTE Band 71 / 15MHz

Lowest Channel / QPSK



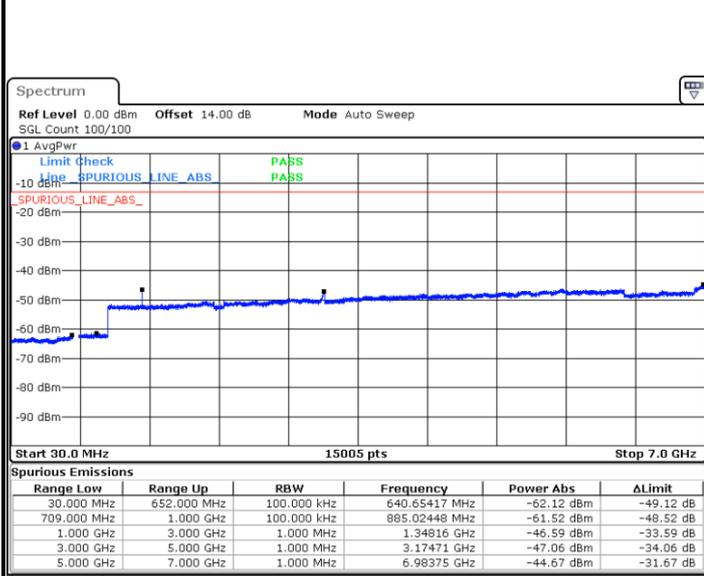
Date: 28.JAN.2021 09:17:12

Lowest Channel / 16QAM



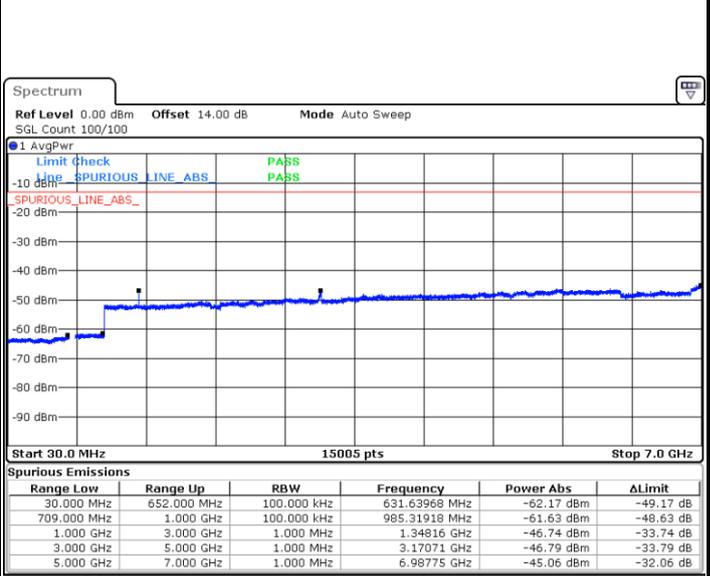
Date: 28.JAN.2021 09:18:26

Middle Channel / QPSK



Date: 28.JAN.2021 09:21:28

Middle Channel / 16QAM

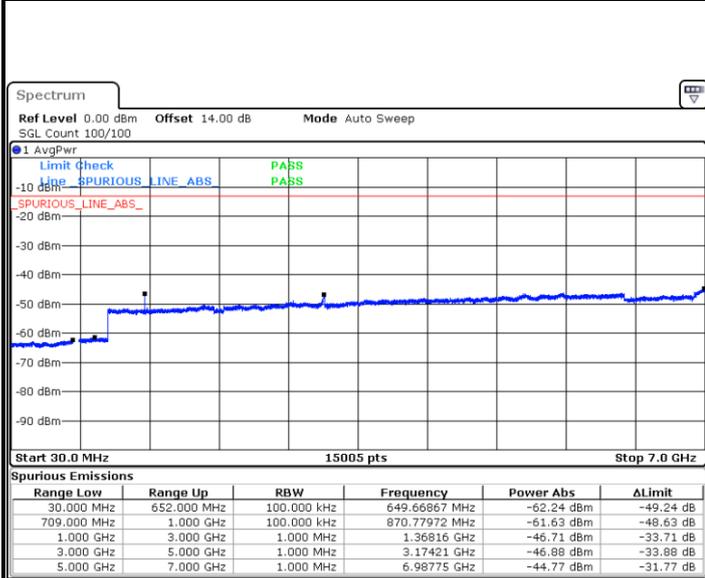


Date: 28.JAN.2021 09:22:42



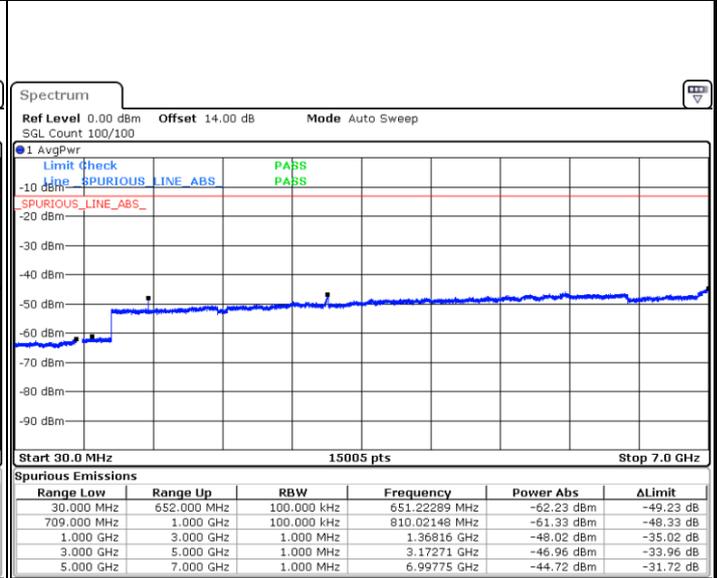
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 28.JAN.2021 09:30:12

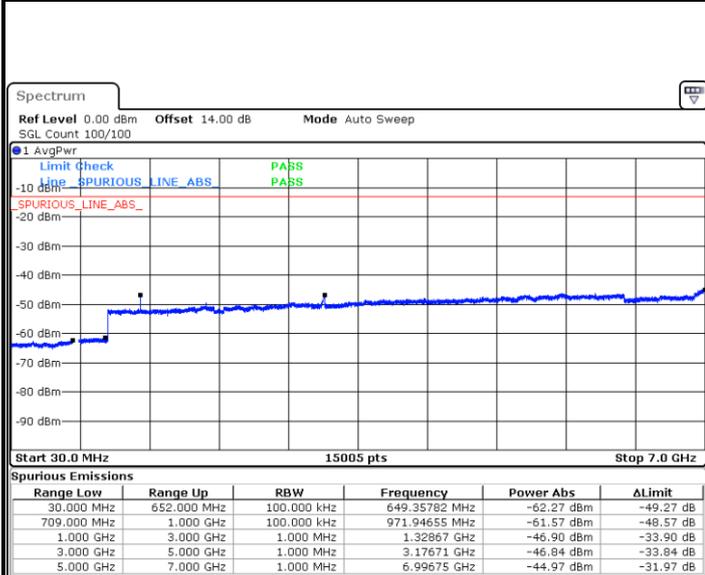
Highest Channel / 16QAM



Date: 28.JAN.2021 09:31:26

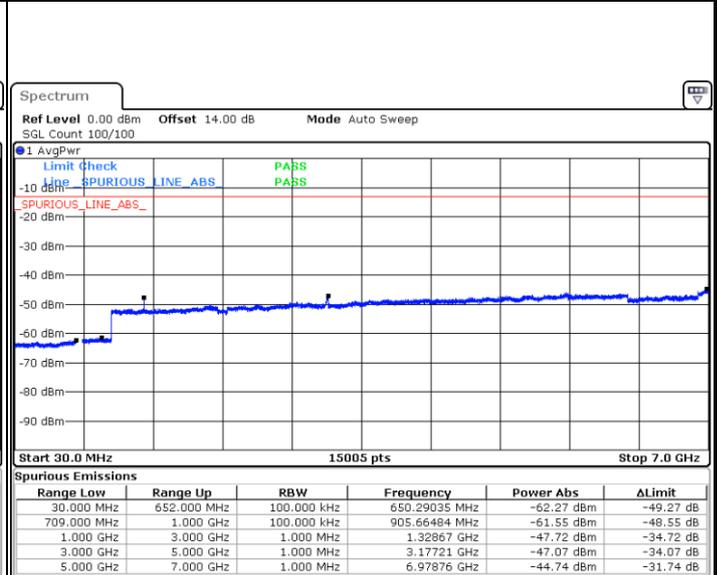
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 28.JAN.2021 09:49:16

Lowest Channel / 16QAM

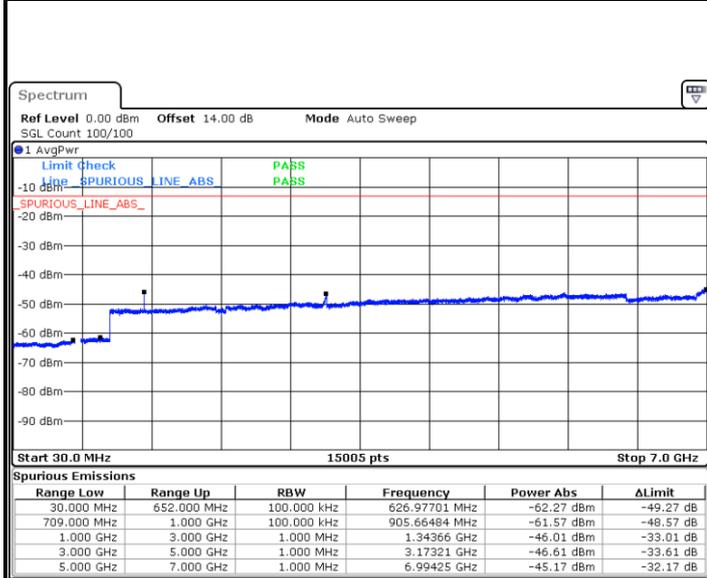


Date: 28.JAN.2021 09:50:29



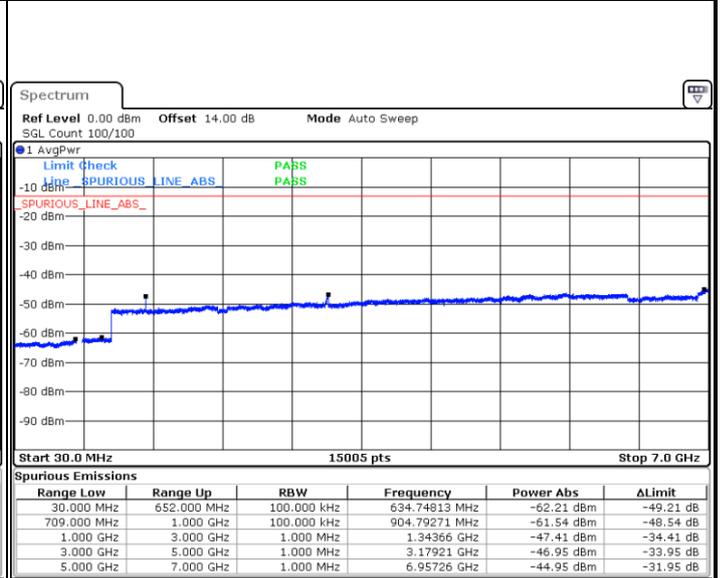
LTE Band 71 / 20MHz

Middle Channel / QPSK



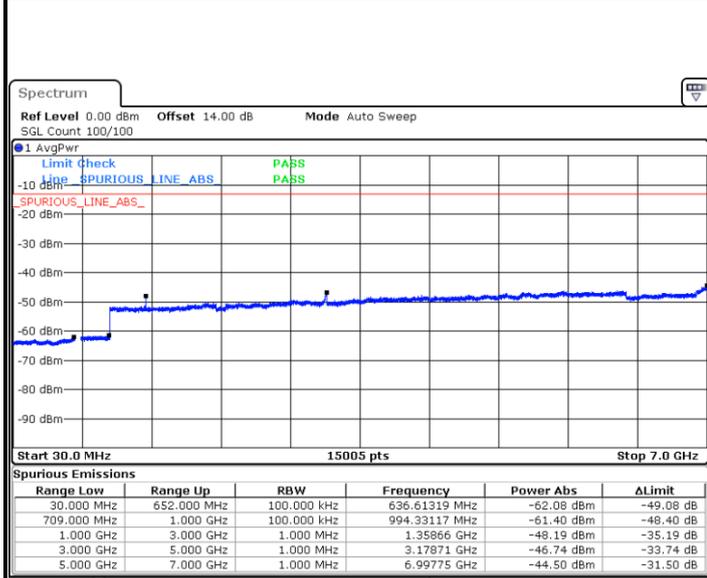
Date: 28.JAN.2021 09:53:31

Middle Channel / 16QAM



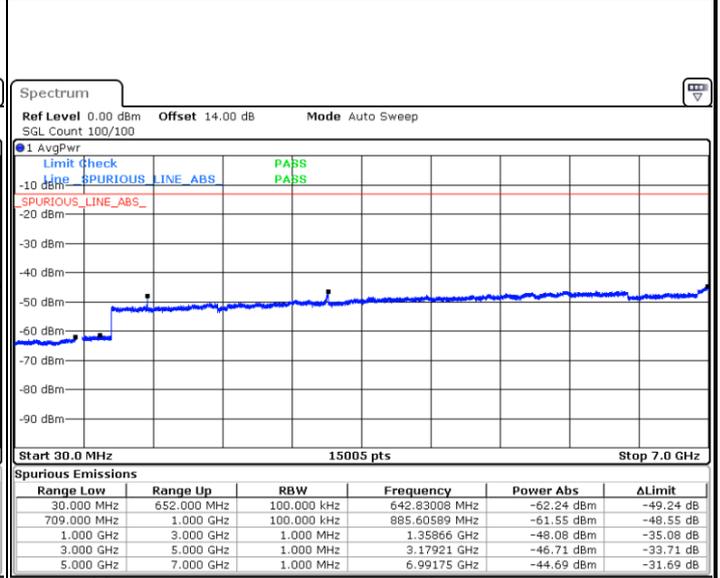
Date: 28.JAN.2021 09:54:45

Highest Channel / QPSK



Date: 28.JAN.2021 10:02:15

Highest Channel / 16QAM



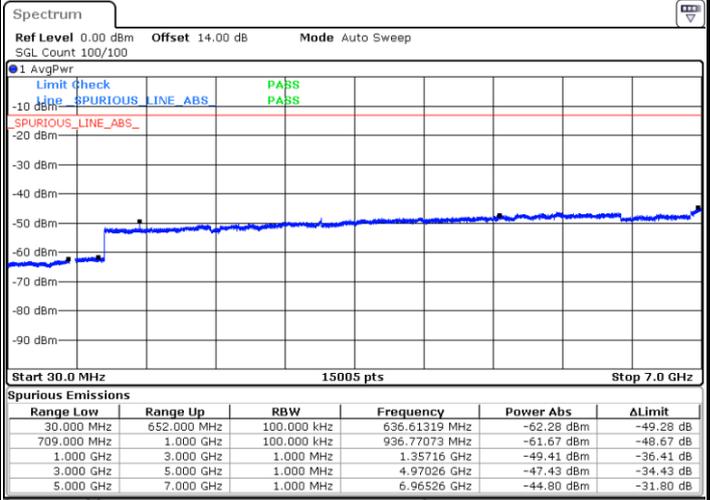
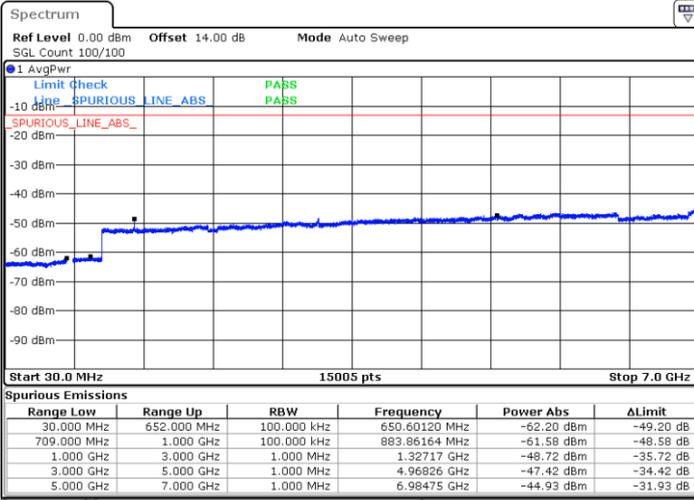
Date: 28.JAN.2021 10:03:29



LTE Band 71 / 5MHz

Lowest Channel / 64QAM

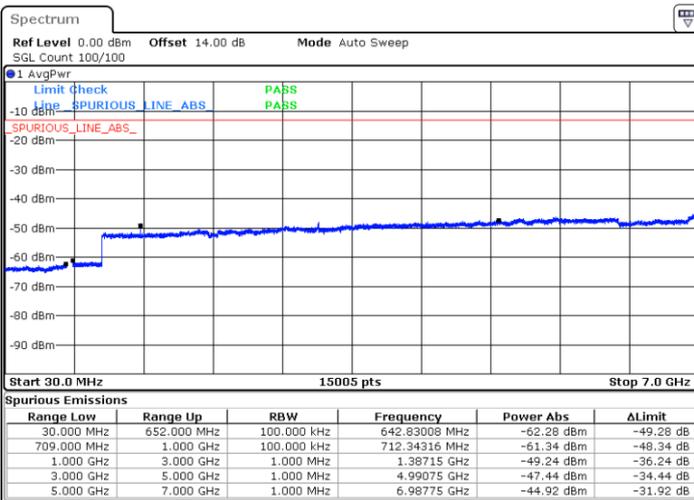
Middle Channel / 64QAM



Date: 27.JAN.2021 17:22:31

Date: 27.JAN.2021 17:24:28

Highest Channel / 64QAM



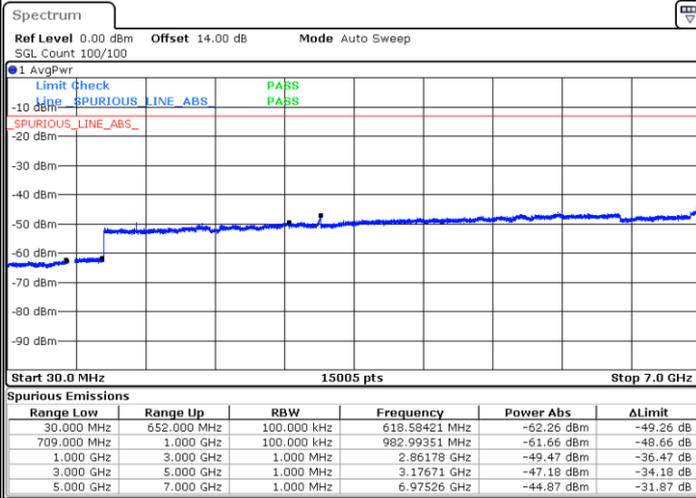
Date: 27.JAN.2021 17:28:40



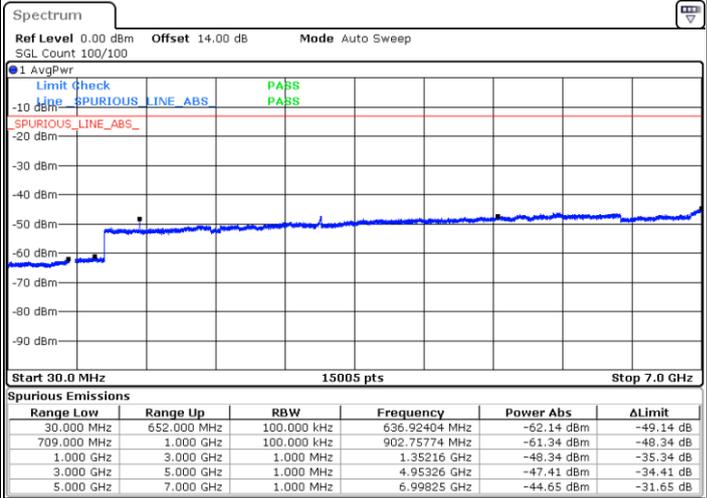
LTE Band 71 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

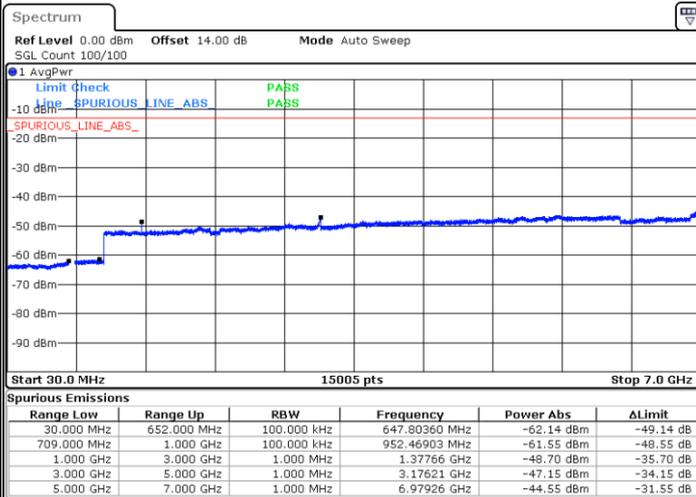


Date: 28.JAN.2021 09:03:34



Date: 28.JAN.2021 09:05:30

Highest Channel / 64QAM



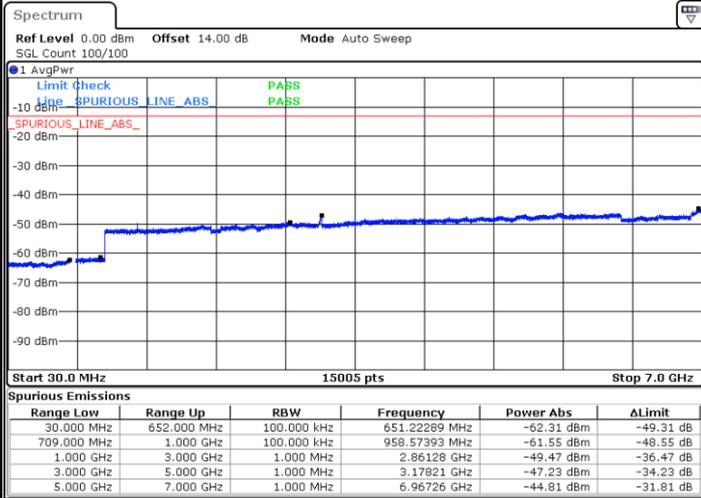
Date: 28.JAN.2021 09:09:41



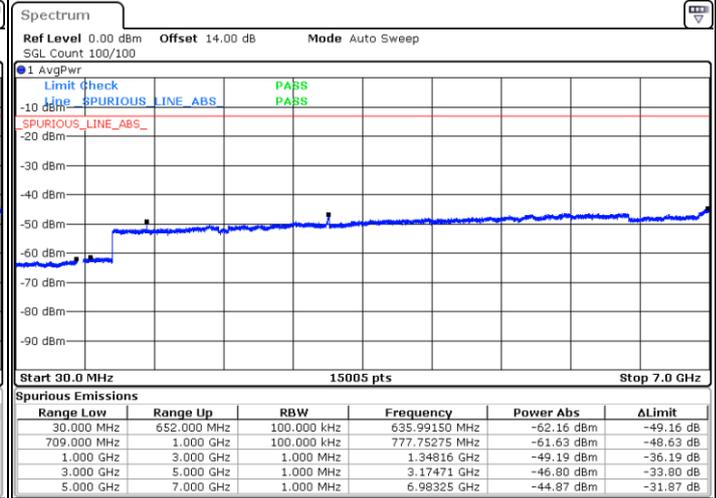
LTE Band 71 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

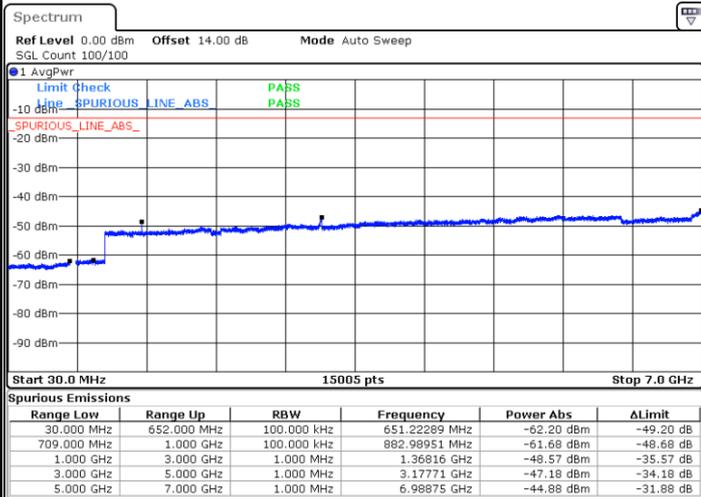


Date: 28.JAN.2021 09:35:37



Date: 28.JAN.2021 09:37:34

Highest Channel / 64QAM



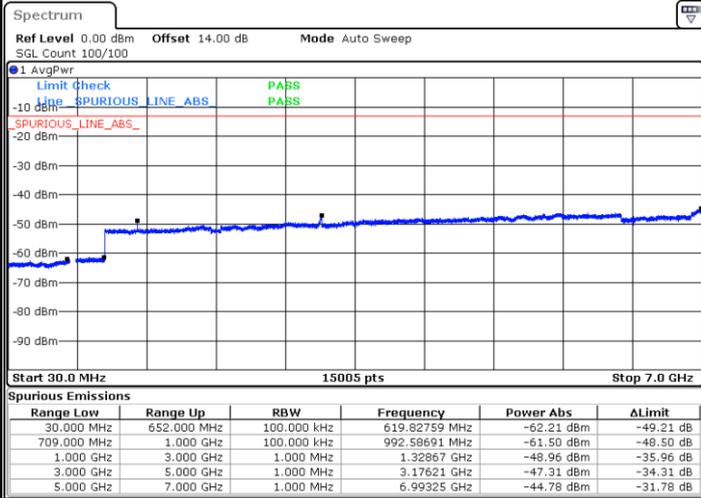
Date: 28.JAN.2021 09:41:45



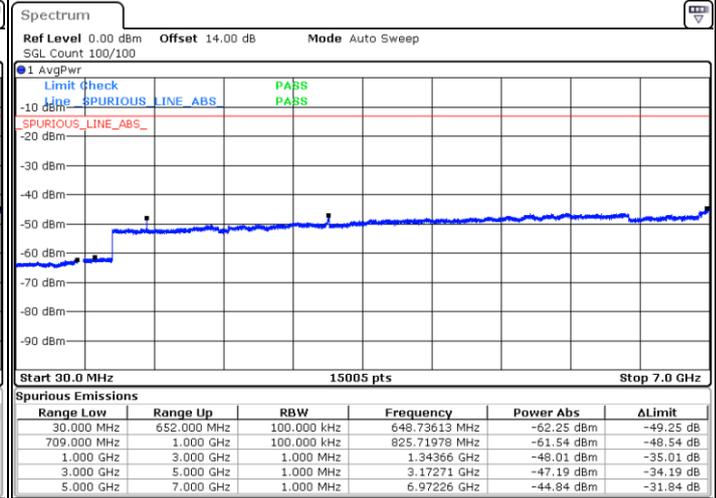
LTE Band 71 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

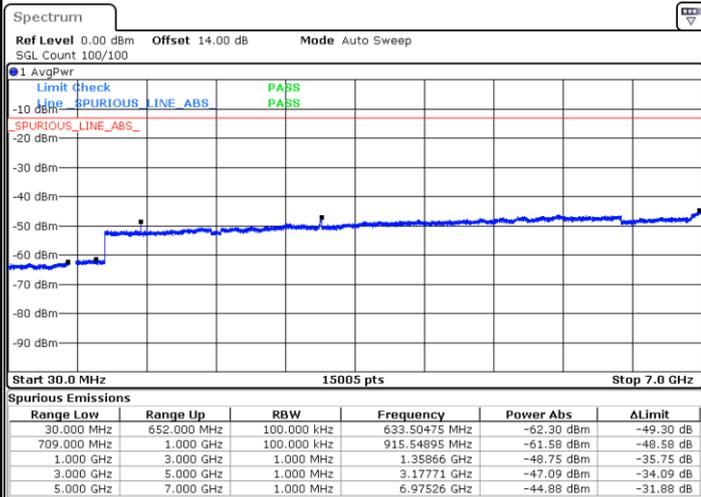


Date: 28.JAN.2021 10:07:40



Date: 28.JAN.2021 10:09:36

Highest Channel / 64QAM



Date: 28.JAN.2021 10:13:47



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	0.0025	PASS
40	Normal Voltage	0.0031	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0031	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0038	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Top Antenna:

LTE Band 7 / 20MHz / QPSK									
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	5052.18	-59.24	-25	-34.24	-79.08	-64.80	7.14	12.70	H
	7578.27	-54.12	-25	-29.12	-78.65	-57.42	8.30	11.60	H
	10104.36	-46.77	-25	-21.77	-76.70	-48.29	10.48	12.00	H
	5052.18	-59.21	-25	-34.21	-79.17	-64.77	7.14	12.70	V
	7578.27	-54.09	-25	-29.09	-78.58	-57.39	8.30	11.60	V
	10104.36	-50.85	-25	-25.85	-79.38	-52.37	10.48	12.00	V

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

LTE Band 41 / 20MHz / QPSK									
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	5168.18	-57.74	-25	-32.74	-77.39	-63.41	7.13	12.80	H
	7752.27	-53.64	-25	-28.64	-78.63	-56.74	8.50	11.60	H
	10336.36	-49.65	-25	-24.65	-79.65	-50.99	10.68	12.02	H
	5168.18	-57.19	-25	-32.19	-77.11	-62.86	7.13	12.80	V
	7752.27	-52.62	-25	-27.62	-77.46	-55.72	8.50	11.60	V
	10336.36	-50.44	-25	-25.44	-79.53	-51.78	10.68	12.02	V

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



LTE Band 71 / 20MHz / QPSK									
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	1343	-65.24	-13	-52.24	-73.58	-68.49	4.00	9.40	H
	2014.5	-63.19	-13	-50.19	-73.34	-66.76	4.88	10.60	H
	2686	-62.23	-13	-49.23	-75.80	-67.16	5.52	12.60	H
	3357.5	-50.99	-13	-37.99	-65.51	-55.46	6.00	12.62	H
	4029	-57.71	-13	-44.71	-75.12	-61.12	7.14	12.70	H
	1343	-65.35	-13	-52.35	-73.32	-68.60	4.00	9.40	V
	2014.5	-65.37	-13	-52.37	-75.41	-68.94	4.88	10.60	V
	2686	-62.40	-13	-49.40	-75.99	-67.33	5.52	12.60	V
	3357.5	-61.07	-13	-48.07	-75.45	-65.54	6.00	12.62	V
	4029	-61.84	-13	-48.84	-79.27	-65.25	7.14	12.70	V

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

LTE Band 41C_CA / 20MHz + 20MHz / QPSK									
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	5186.00	-60.32	-25	-35.32	-80.82	-65.88	7.14	12.70	H
	7779.00	-53.91	-25	-28.91	-79.73	-57.21	8.30	11.60	H
	10372.00	-48.82	-25	-23.82	-79.51	-50.34	10.48	12.00	H
	5186.00	-59.64	-25	-34.64	-80.59	-65.20	7.14	12.70	V
	7779.00	-54.29	-25	-29.29	-79.89	-57.59	8.30	11.60	V
	10372.00	-49.89	-25	-24.89	-80.26	-51.41	10.48	12.00	V

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



Bottom Antenna:

LTE Band 7 / 20MHz / QPSK									
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	5052.18	-59.00	-25	-34.00	-78.84	-64.56	7.14	12.70	H
	7578.27	-54.24	-25	-29.24	-78.77	-57.54	8.30	11.60	H
	10104.36	-48.12	-25	-23.12	-78.05	-49.64	10.48	12.00	H
	5052.18	-58.91	-25	-33.91	-78.87	-64.47	7.14	12.70	V
	7578.27	-54.20	-25	-29.20	-78.69	-57.50	8.30	11.60	V
	10104.36	-50.78	-25	-25.78	-79.31	-52.30	10.48	12.00	V

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

LTE Band 41 / 20MHz / QPSK									
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	5168.18	-60.11	-25	-35.11	-79.76	-65.78	7.13	12.80	H
	7752.27	-53.19	-25	-28.19	-78.18	-56.29	8.50	11.60	H
	10336.36	-49.66	-25	-24.66	-79.66	-51.00	10.68	12.02	H
	5168.18	-59.14	-25	-34.14	-79.06	-64.81	7.13	12.80	V
	7752.27	-53.73	-25	-28.73	-78.57	-56.83	8.50	11.60	V
	10336.36	-50.83	-25	-25.83	-79.92	-52.17	10.68	12.02	V

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



LTE Band 71 / 20MHz / QPSK									
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	1343	-64.87	-13	-51.87	-73.26	-68.12	4.00	9.40	H
	2014.5	-63.84	-13	-50.84	-74.97	-67.41	4.88	10.60	H
	2686	-60.90	-13	-47.90	-73.87	-65.83	5.52	12.60	H
	3357.5	-44.03	-13	-31.03	-59.06	-48.50	6.00	12.62	H
	4029	-54.22	-13	-41.22	-71.92	-57.63	7.14	12.70	H
	1343	-65.28	-13	-52.28	-73.48	-68.53	4.00	9.40	V
	2014.5	-64.00	-13	-51.00	-75.12	-67.57	4.88	10.60	V
	2686	-59.50	-13	-46.50	-72.75	-64.43	5.52	12.60	V
	3357.5	-54.67	-13	-41.67	-69.71	-59.14	6.00	12.62	V
	4029	-61.04	-13	-48.04	-78.91	-64.45	7.14	12.70	V

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

LTE Band 41C_CA / 20MHz + 20MHz / 16QAM									
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	5186.00	-60.22	-25	-35.22	-80.72	-65.78	7.14	12.70	H
	7779.00	-53.92	-25	-28.92	-79.74	-57.22	8.30	11.60	H
	10372.00	-49.46	-25	-24.46	-80.15	-50.98	10.48	12.00	H
	5186.00	-59.91	-25	-34.91	-80.86	-65.47	7.14	12.70	V
	7779.00	-53.86	-25	-28.86	-79.46	-57.16	8.30	11.60	V
	10372.00	-50.00	-25	-25.00	-80.37	-51.52	10.48	12.00	V

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