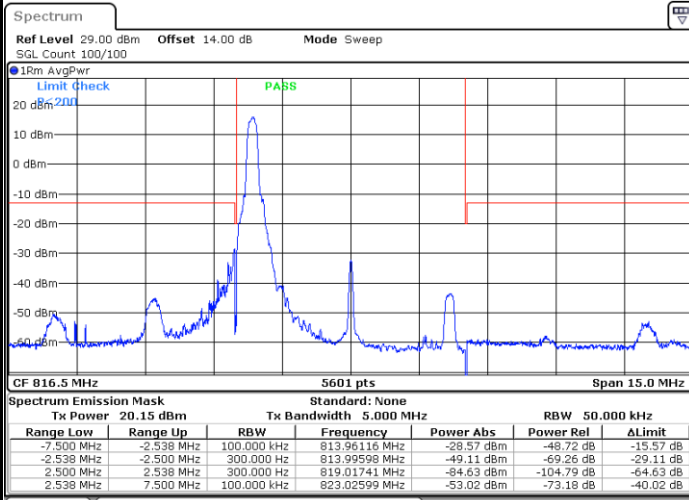




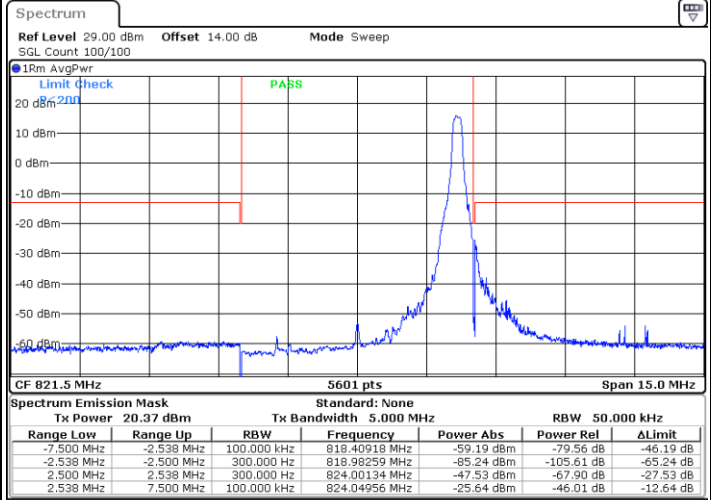
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB



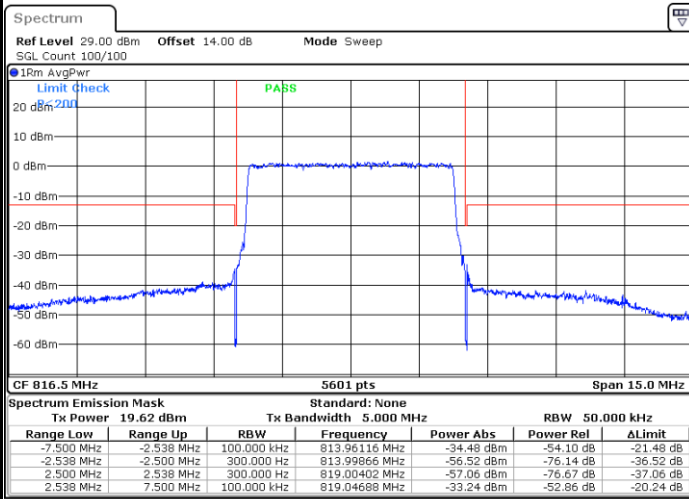
Date: 29. JAN. 2021 09:52:57

Highest Band Edge / 1 RB



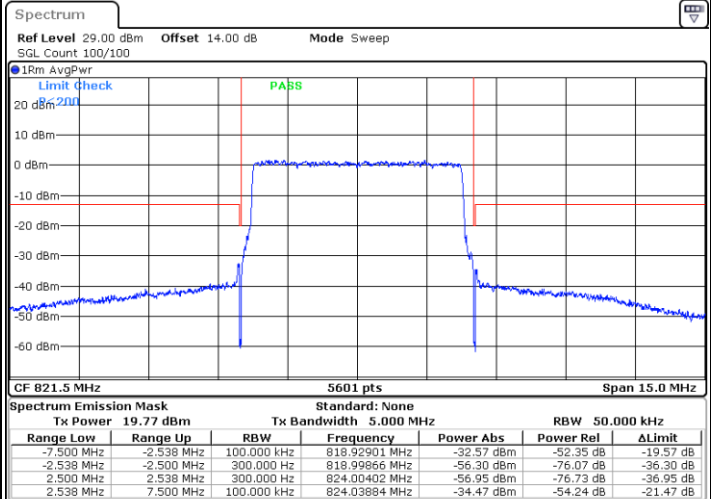
Date: 29. JAN. 2021 09:55:05

Lowest Band Edge / Full RB



Date: 29. JAN. 2021 09:54:01

Highest Band Edge / Full RB



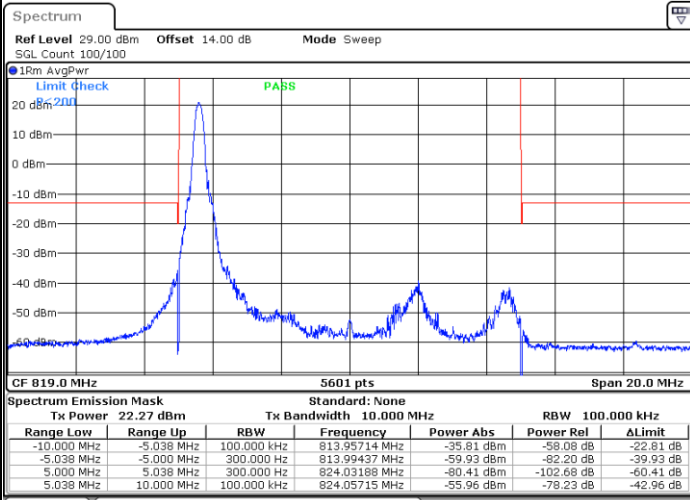
Date: 29. JAN. 2021 09:56:08



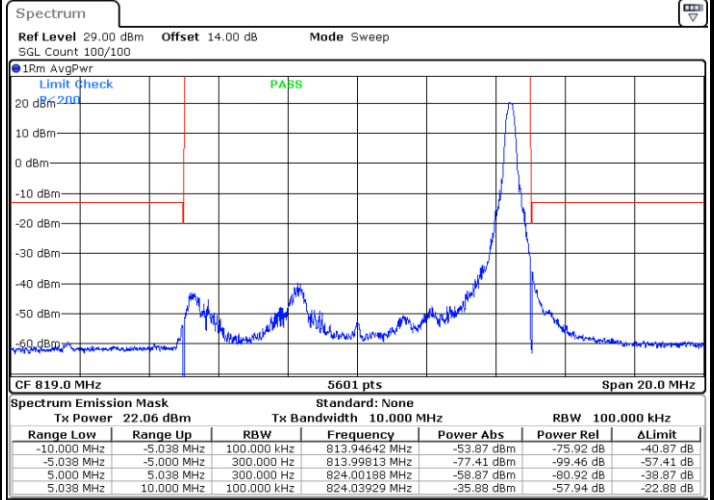
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

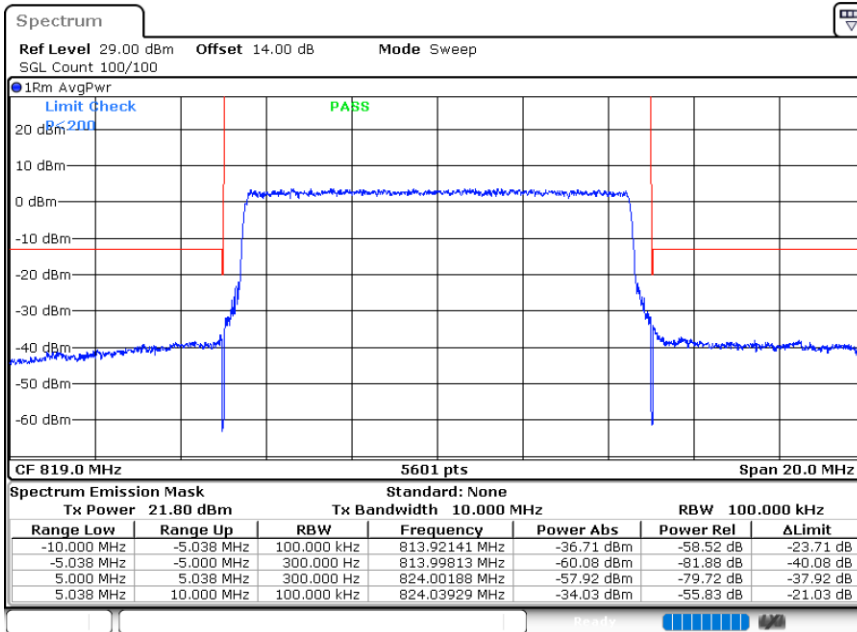


Date: 29.JAN.2021 09:31:42



Date: 29.JAN.2021 09:33:49

Band Edge / Full RB

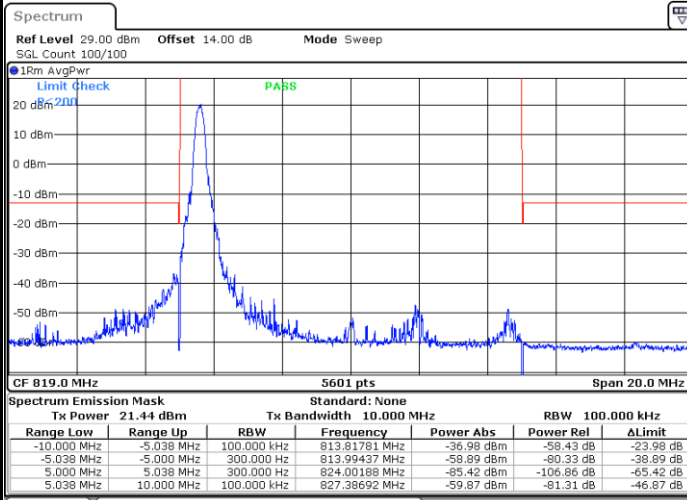


Date: 29.JAN.2021 09:35:56



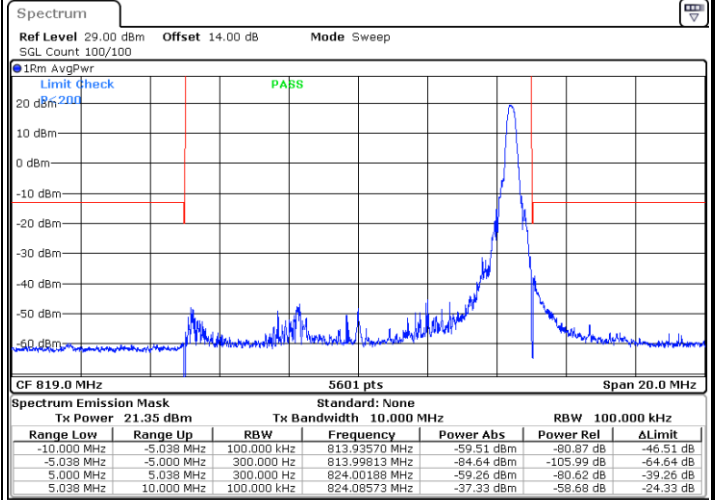
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



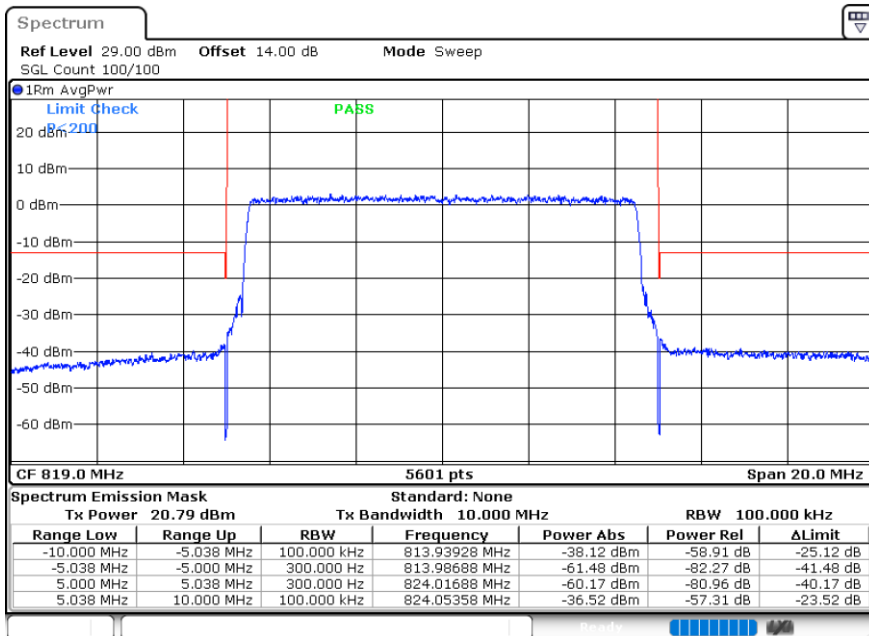
Date: 29.JAN.2021 09:32:45

Highest Band Edge / 1 RB



Date: 29.JAN.2021 09:34:53

Band Edge / Full RB

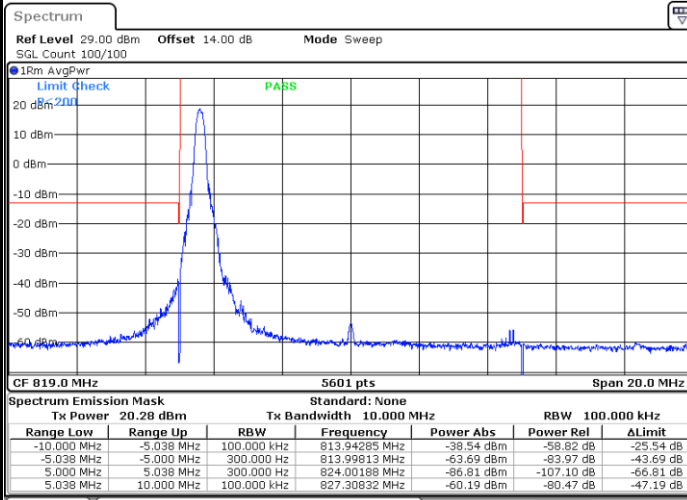


Date: 29.JAN.2021 09:37:00



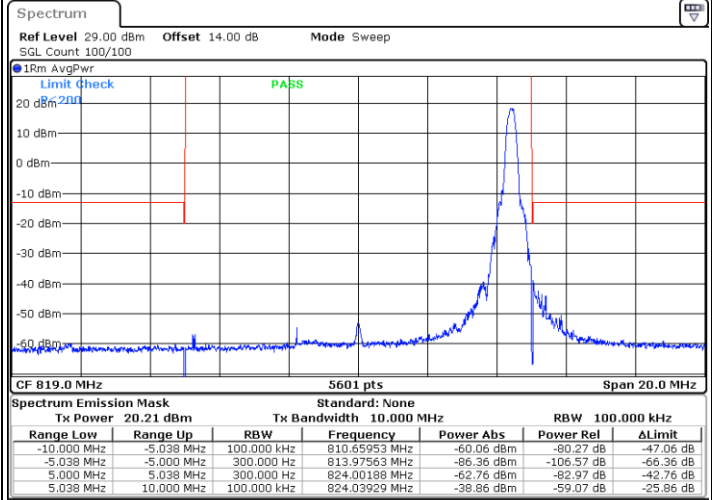
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



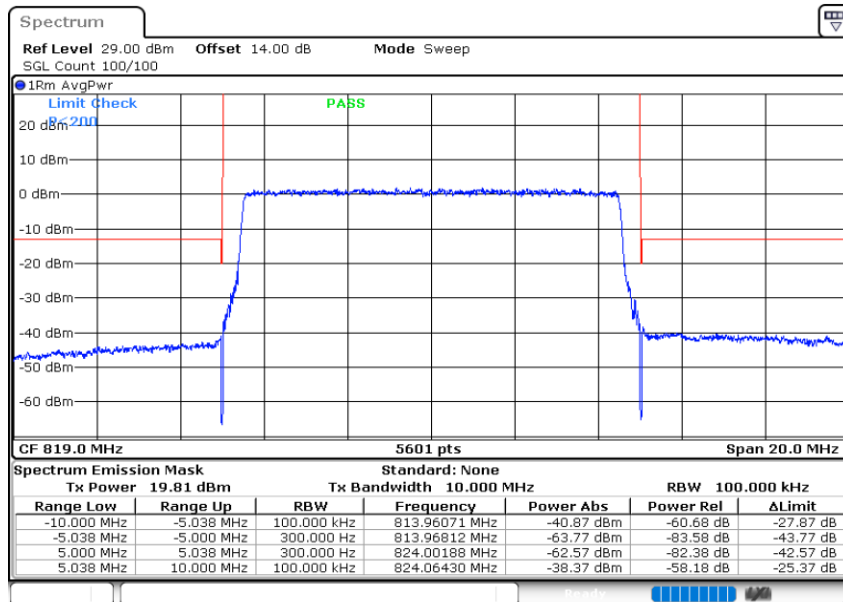
Date: 29.JAN.2021 09:57:12

Highest Band Edge / 1 RB



Date: 29.JAN.2021 09:58:16

Band Edge / Full RB

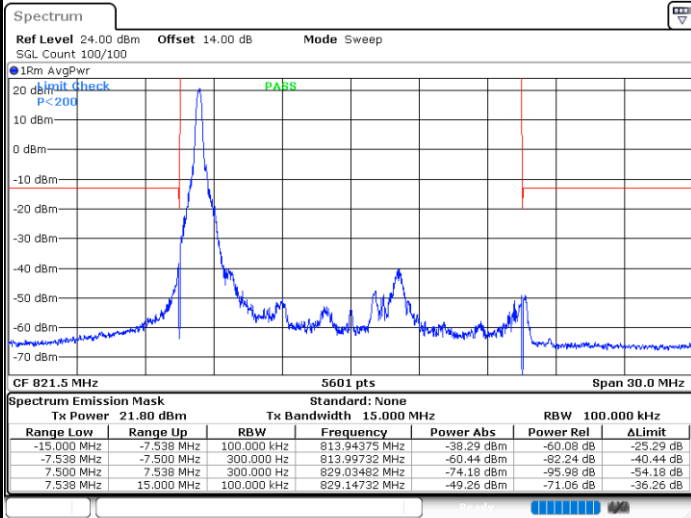


Date: 29.JAN.2021 09:59:19



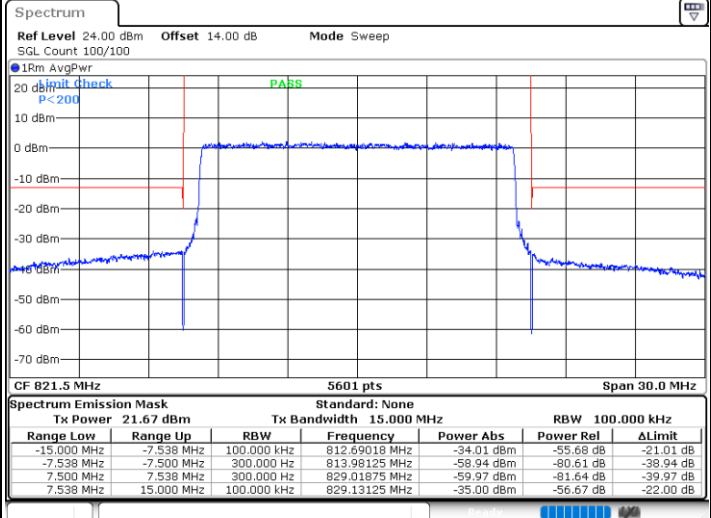
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 29.JAN.2021 09:38:04

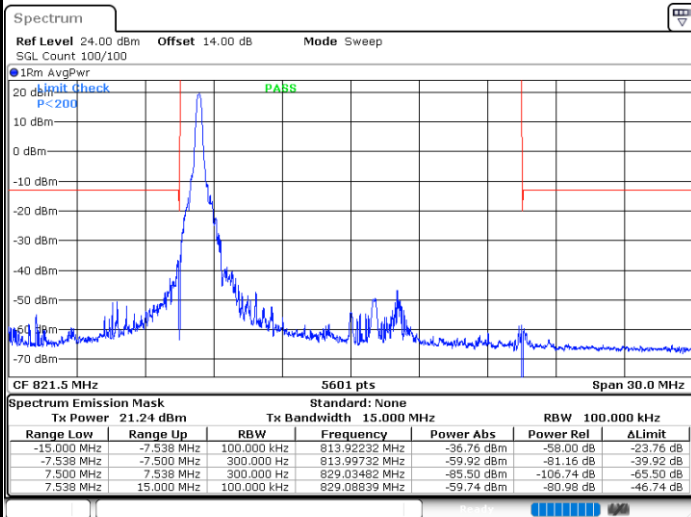
Lowest Band Edge / Full RB



Date: 29.JAN.2021 09:42:19

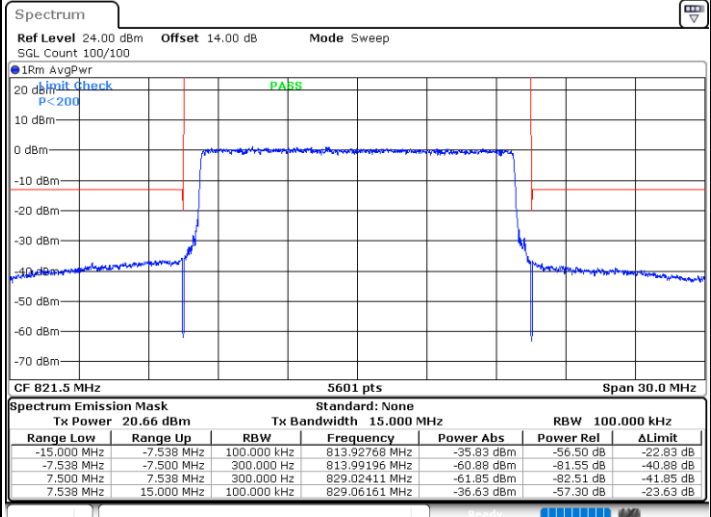
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB

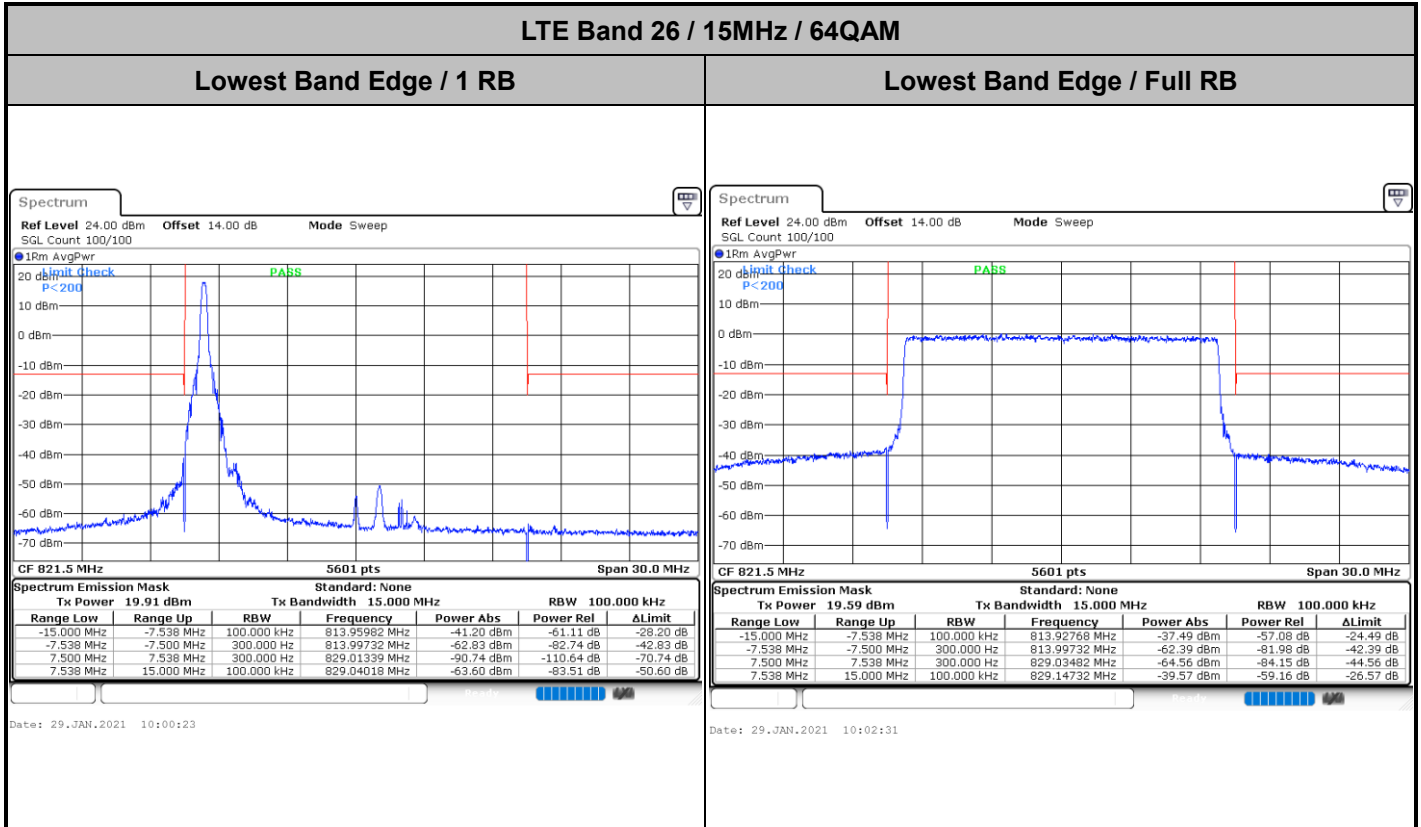


Date: 29.JAN.2021 09:39:08

Lowest Band Edge / Full RB



Date: 29.JAN.2021 09:43:23





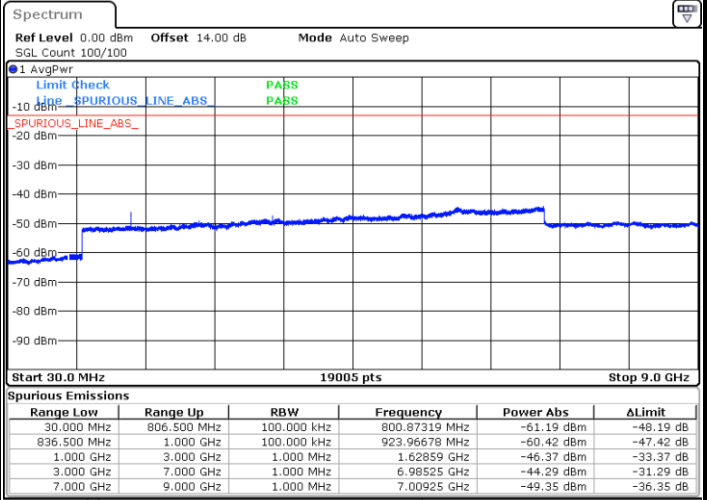
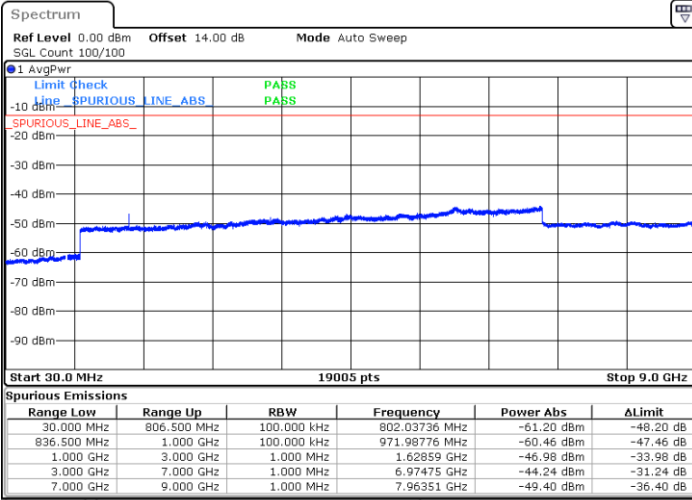
Conducted Spurious Emission



LTE Band 26 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

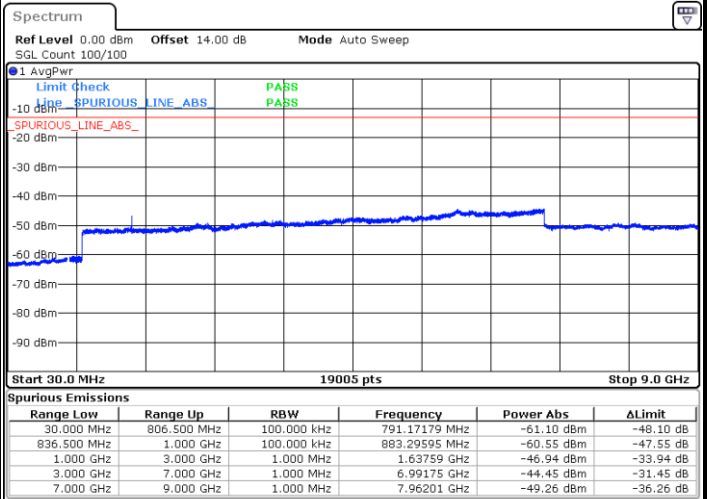
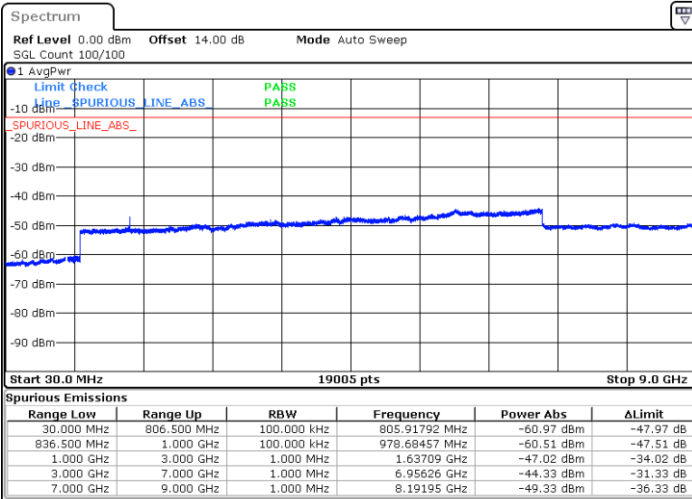


Date: 29.JAN.2021 10:42:22

Date: 29.JAN.2021 10:43:13

Middle Channel / QPSK

Middle Channel / 16QAM



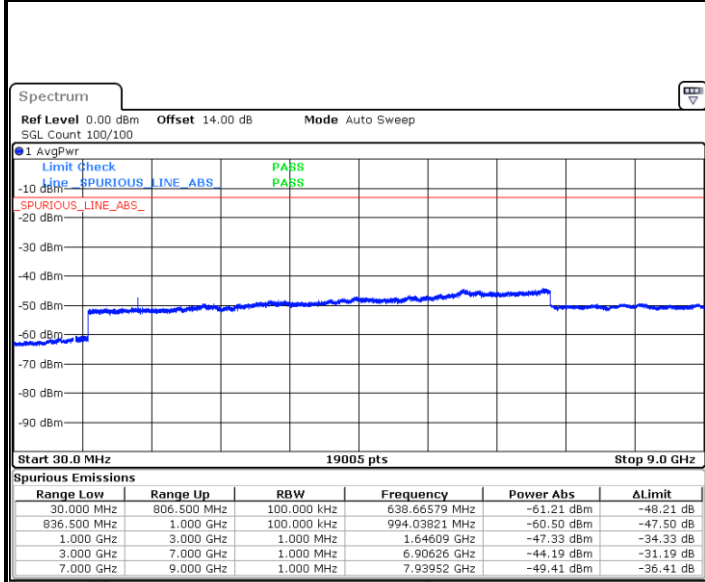
Date: 29.JAN.2021 10:44:47

Date: 29.JAN.2021 10:45:38



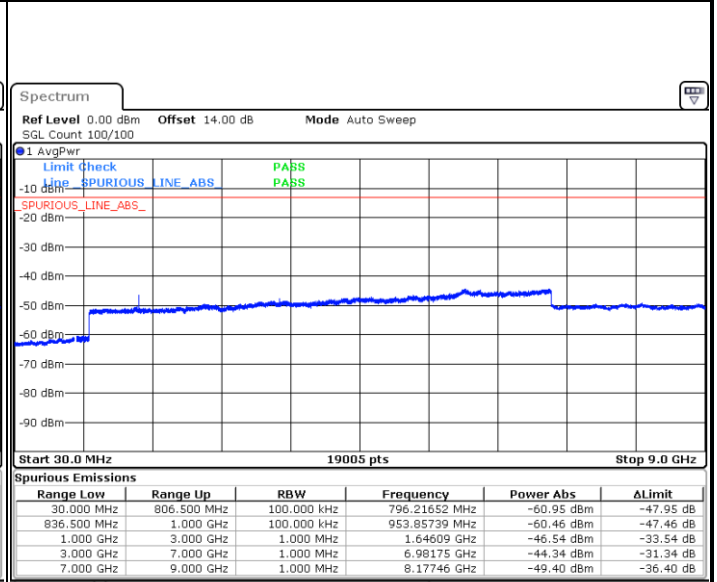
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 29.JAN.2021 10:47:13

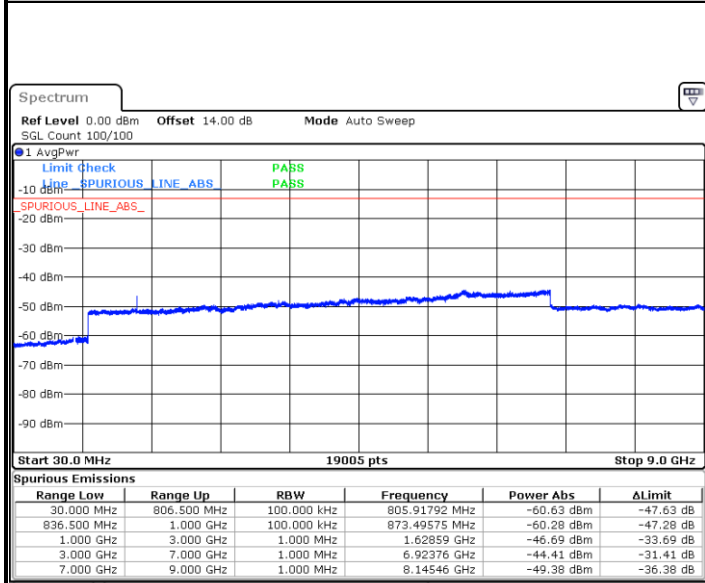
Highest Channel / 16QAM



Date: 29.JAN.2021 10:48:03

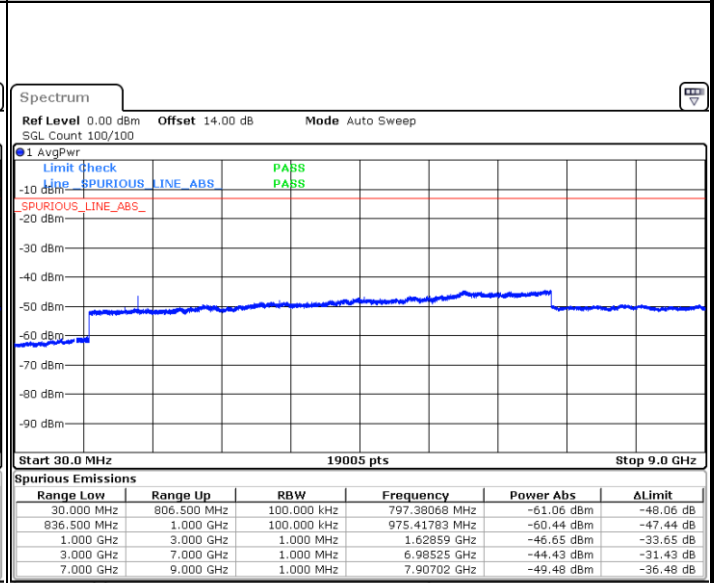
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 29.JAN.2021 10:19:07

Lowest Channel / 16QAM



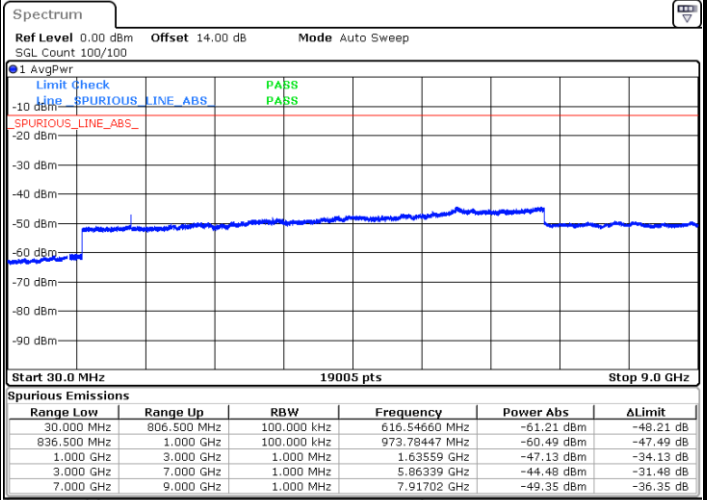
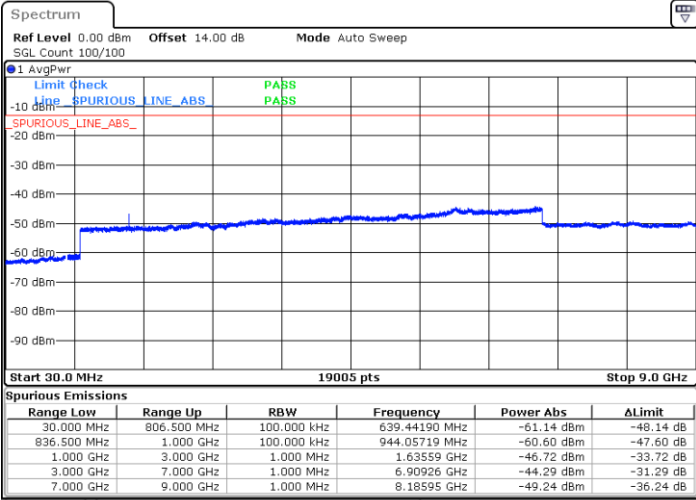
Date: 29.JAN.2021 10:19:57



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

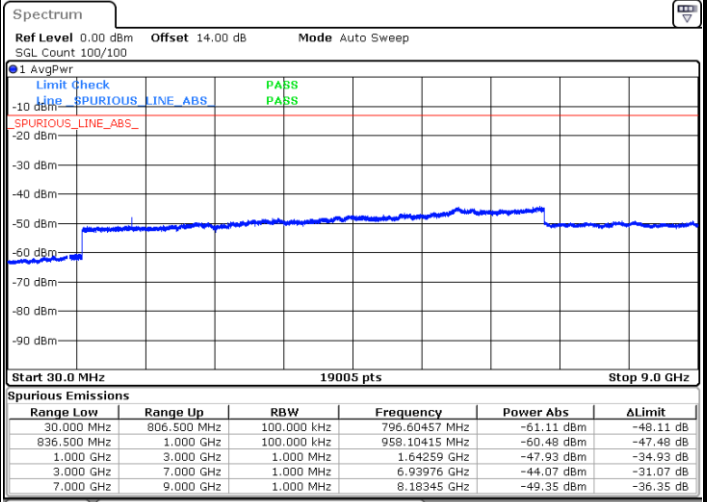
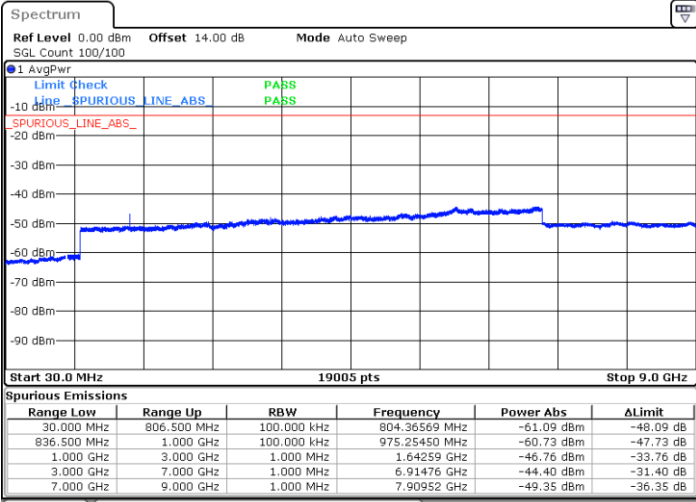


Date: 29.JAN.2021 10:21:32

Date: 29.JAN.2021 10:22:23

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 29.JAN.2021 10:23:57

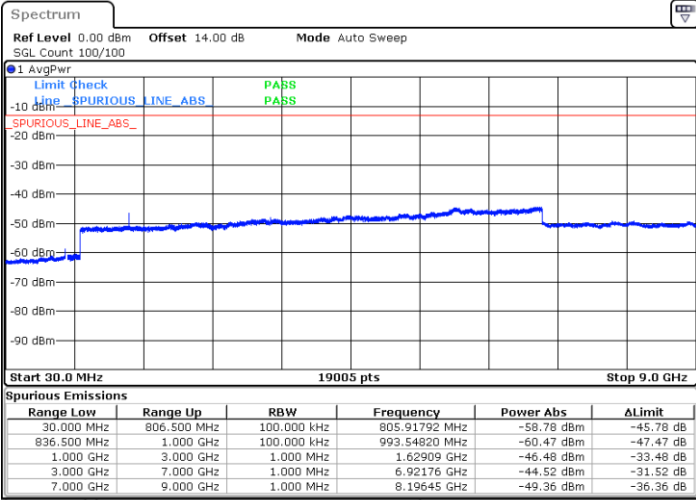
Date: 29.JAN.2021 10:24:48



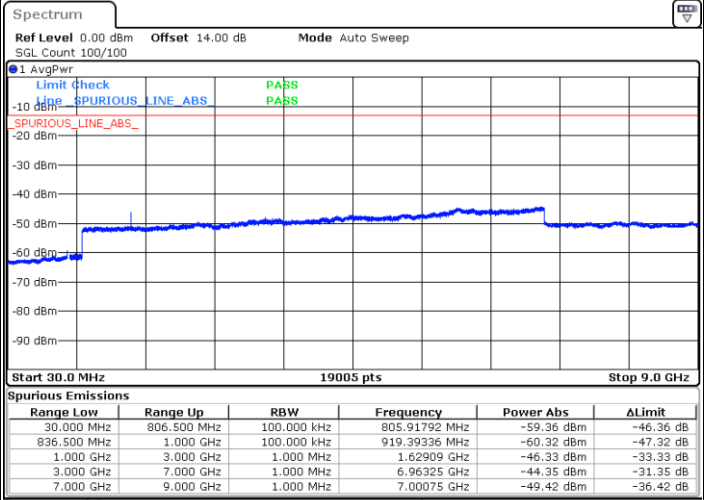
LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



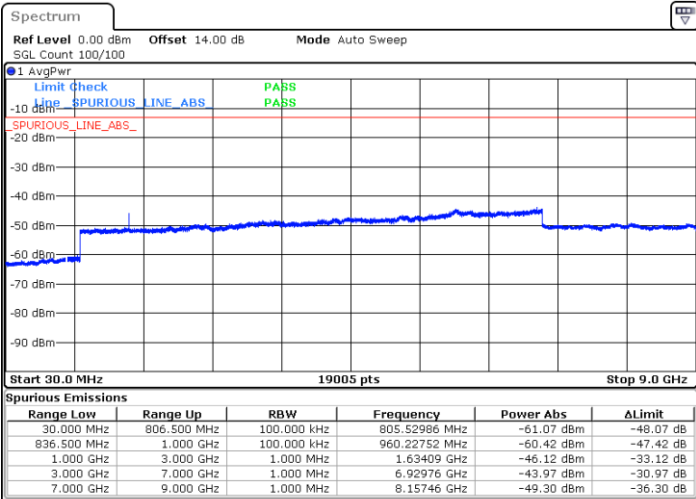
Date: 29.JAN.2021 10:26:23



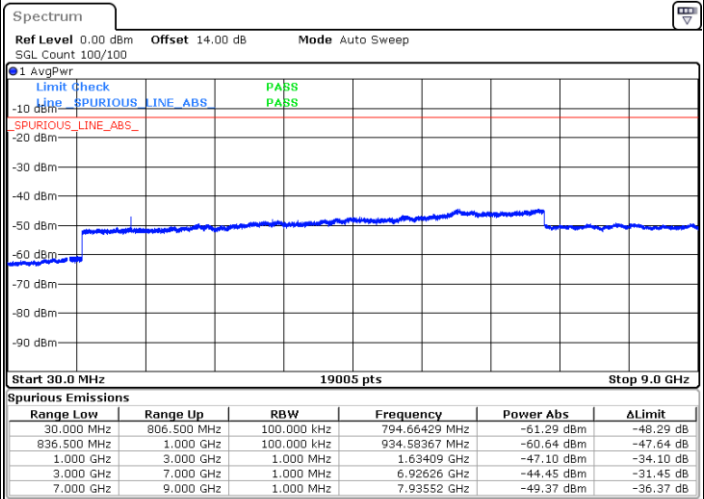
Date: 29.JAN.2021 10:27:13

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 29.JAN.2021 10:28:48



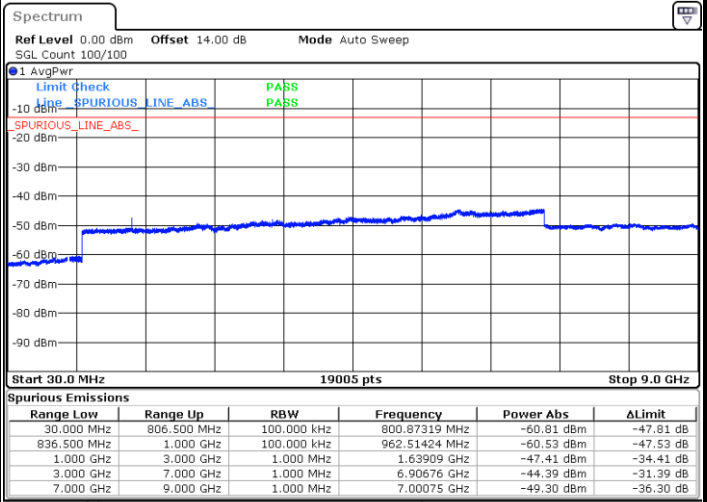
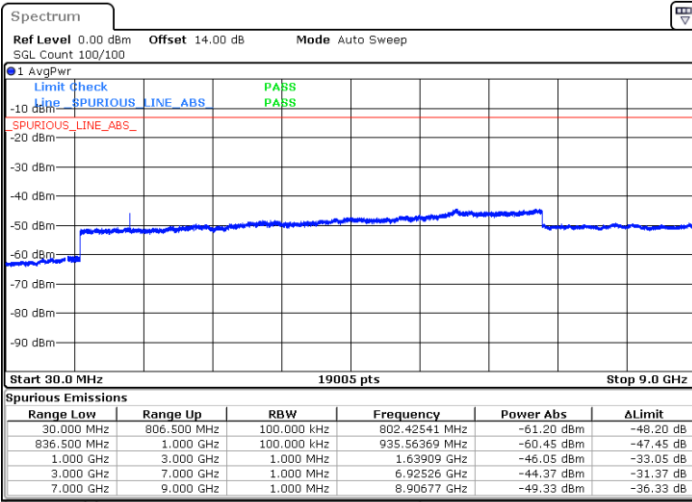
Date: 29.JAN.2021 10:29:39



LTE Band 26 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



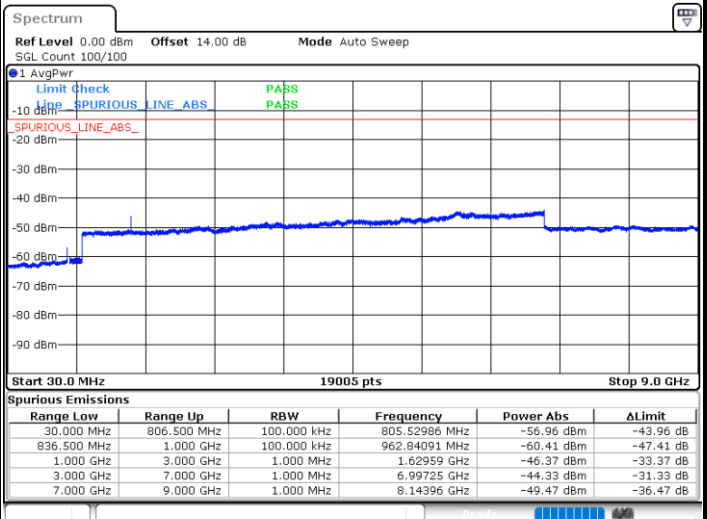
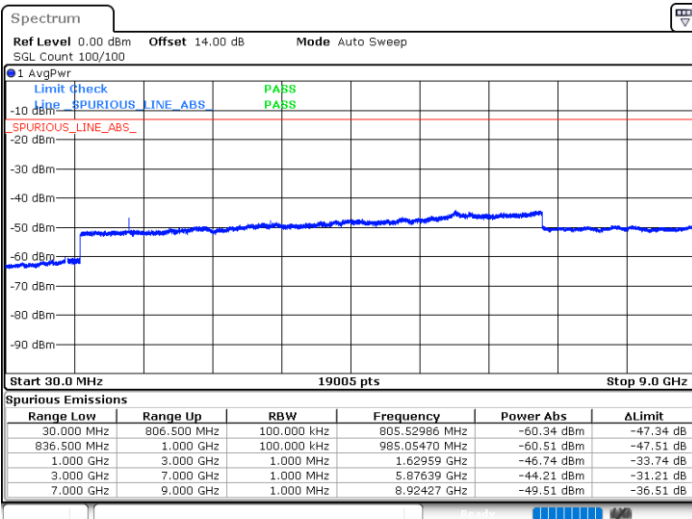
Date: 29.JAN.2021 10:31:13

Date: 29.JAN.2021 10:32:04

LTE Band 26 / 10MHz

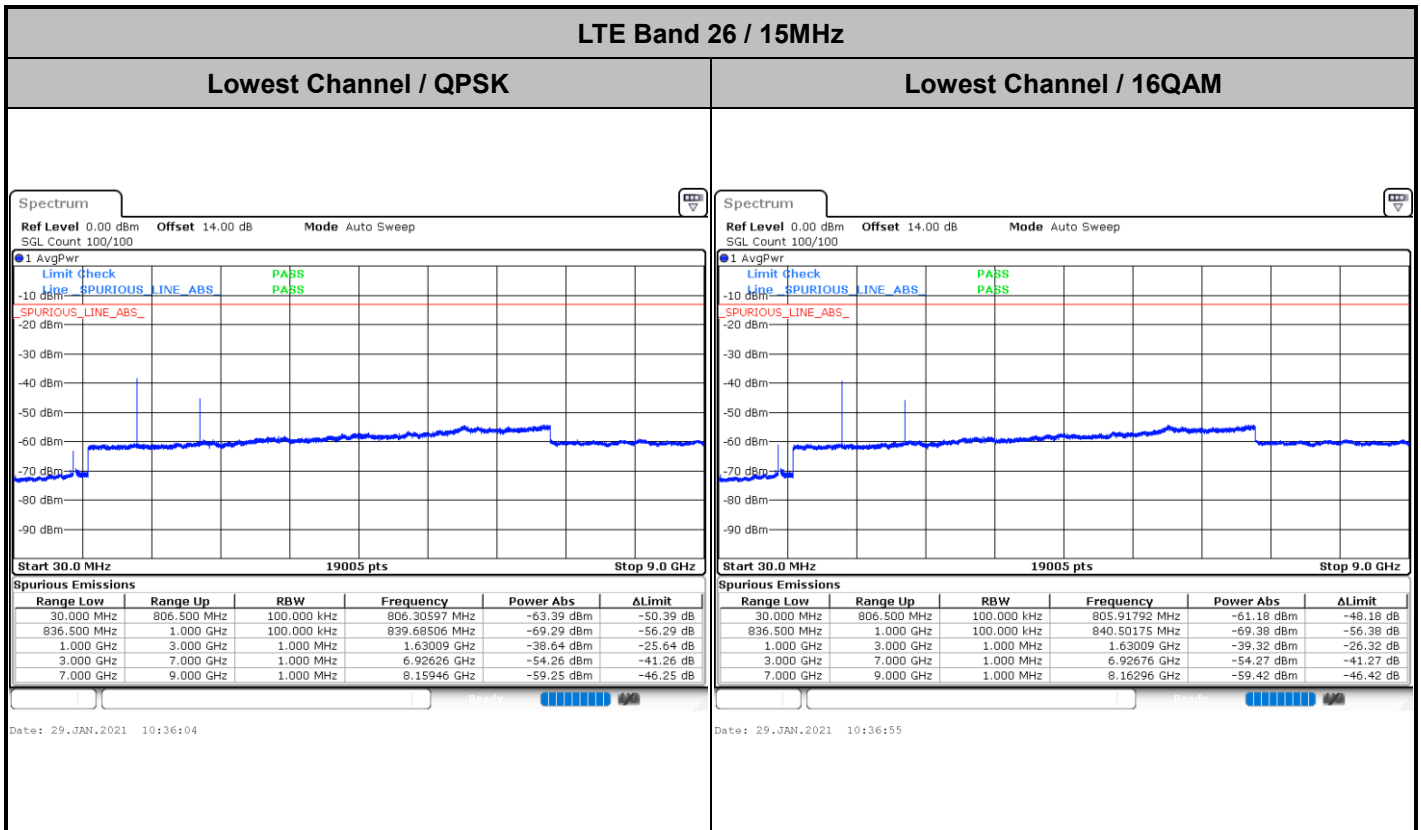
Middle Channel / QPSK

Middle Channel / 16QAM



Date: 29.JAN.2021 10:33:39

Date: 29.JAN.2021 10:34:30

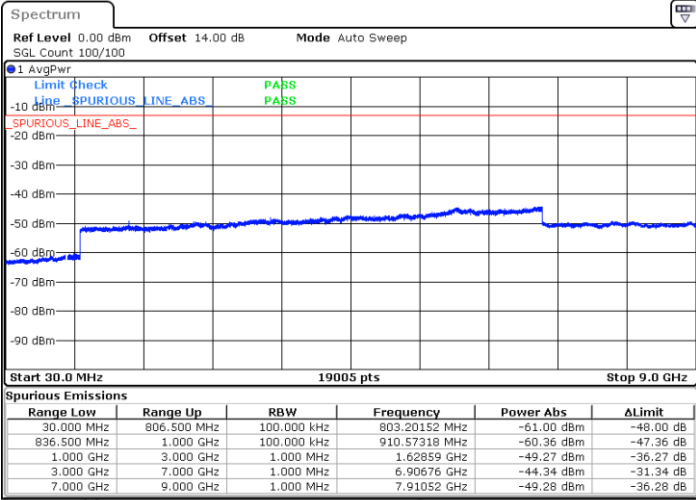




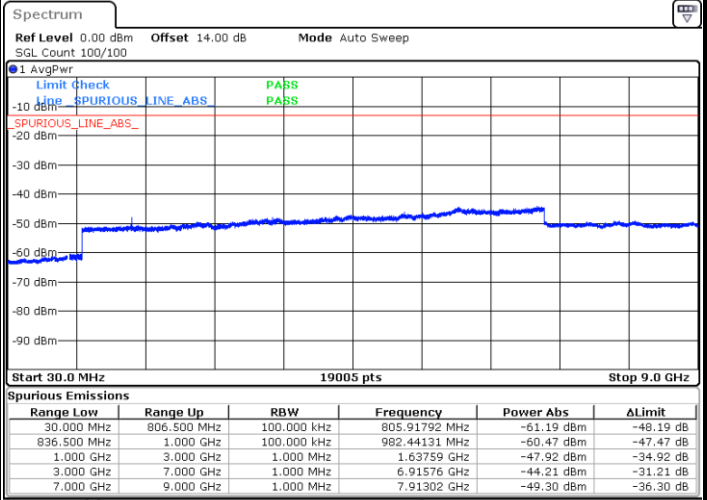
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

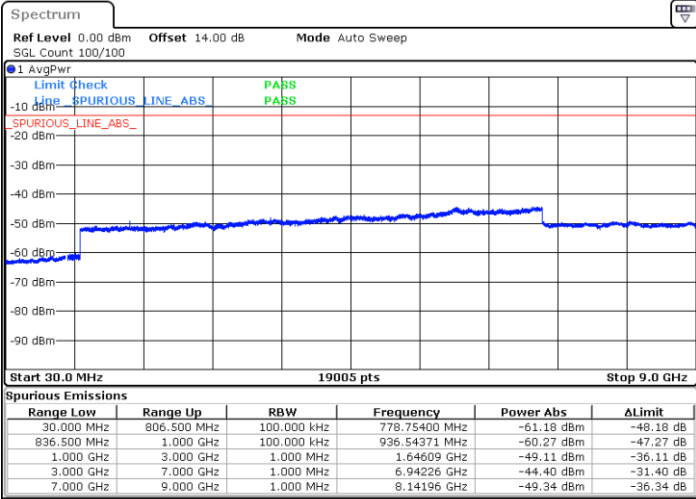


Date: 29.JAN.2021 10:15:06



Date: 29.JAN.2021 10:16:19

Highest Channel / 64QAM



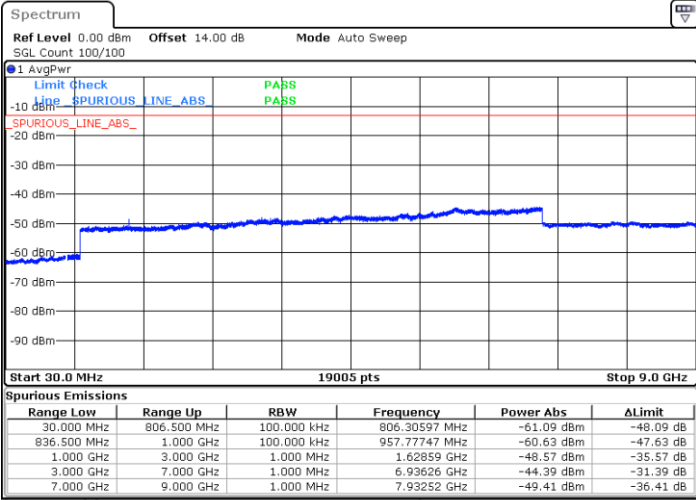
Date: 29.JAN.2021 10:17:32



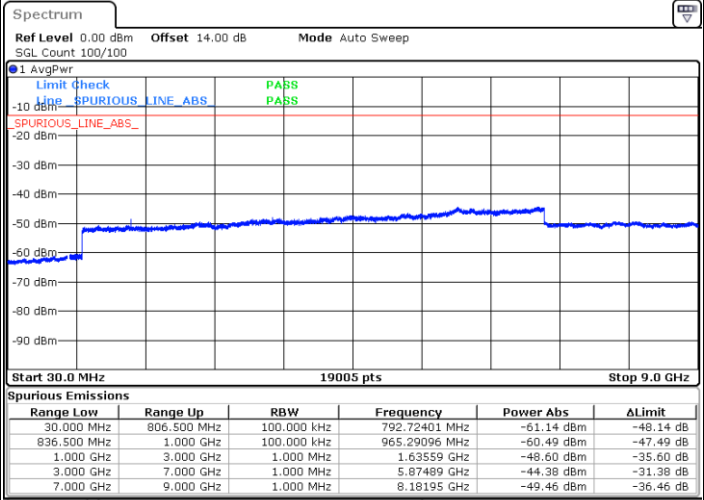
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

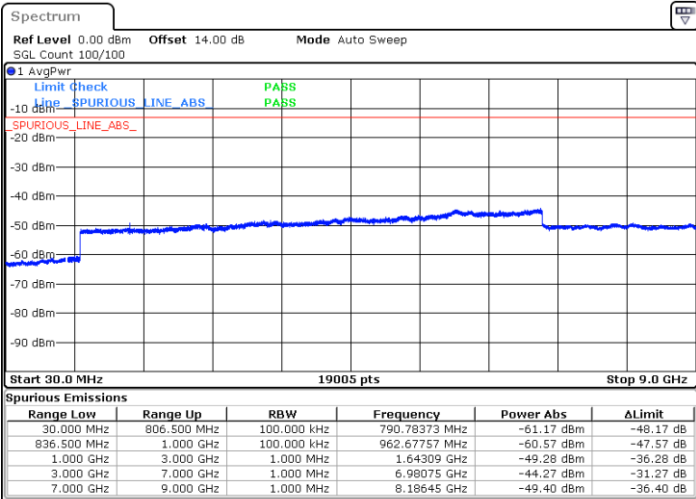


Date: 29.JAN.2021 10:03:43



Date: 29.JAN.2021 10:04:56

Highest Channel / 64QAM



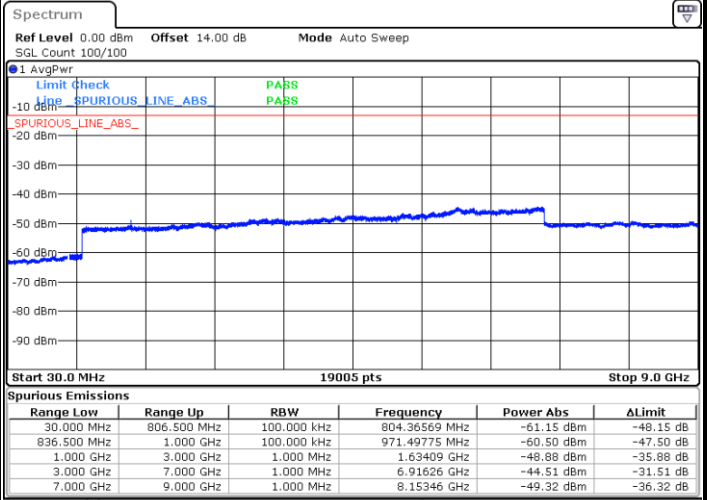
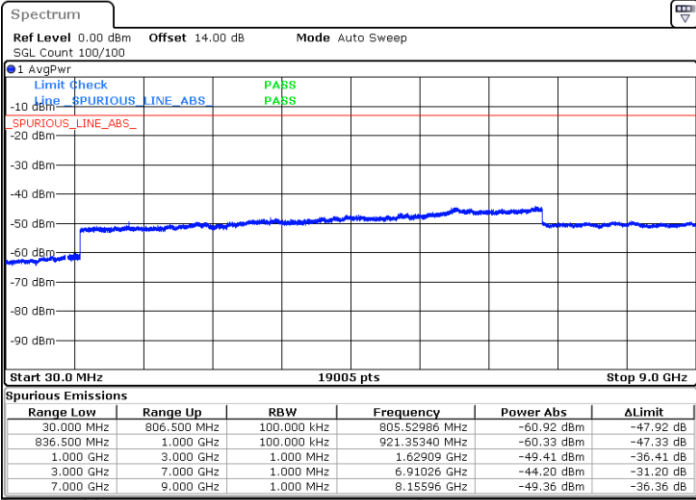
Date: 29.JAN.2021 10:06:09



LTE Band 26 / 5MHz

Lowest Channel / 64QAM

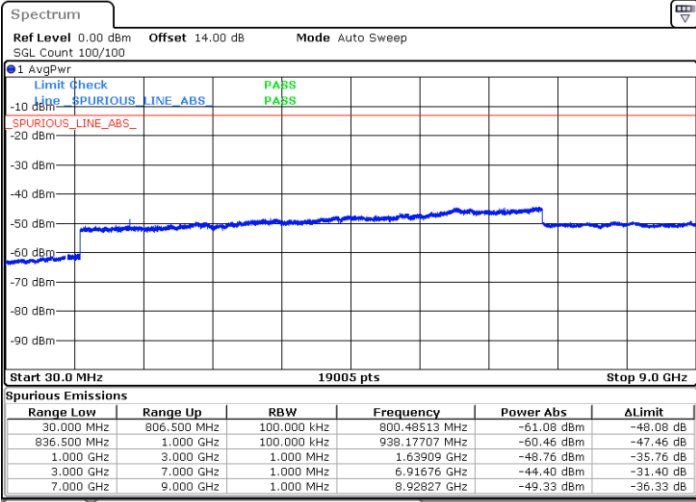
Middle Channel / 64QAM



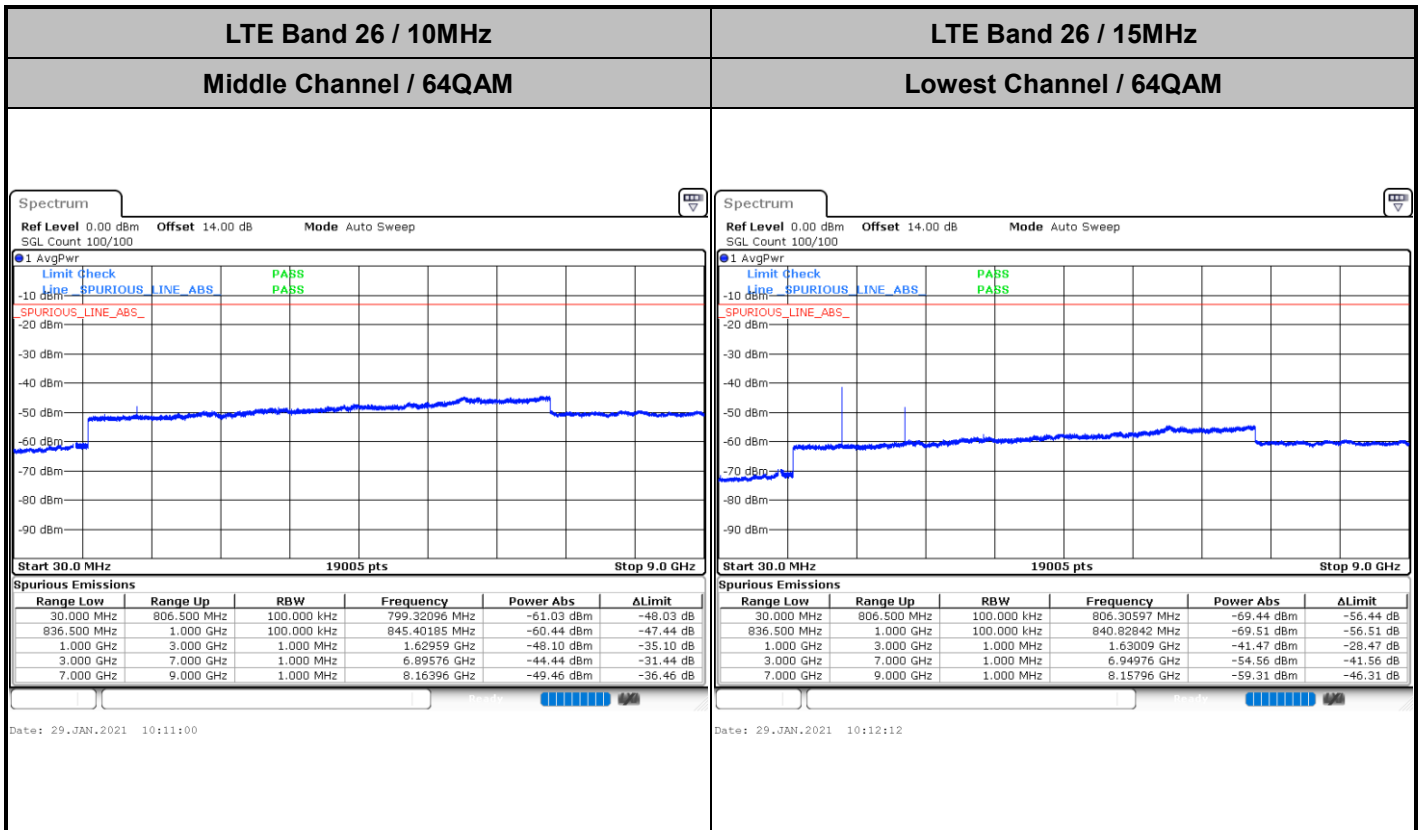
Date: 29.JAN.2021 10:07:22

Date: 29.JAN.2021 10:08:34

Highest Channel / 64QAM



Date: 29.JAN.2021 10:09:47





Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

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 26 / 5MHz / 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	1633.5	-63.75	-13	-50.75	-71.91	-67.00	4.00	9.40	H
	2450.25	-62.06	-13	-49.06	-74.75	-65.63	4.88	10.60	H
	3267	-45.04	-13	-32.04	-59.93	-49.97	5.52	12.60	H
	4080	-55.44	-13	-42.44	-73.06	-59.91	6.00	12.62	H
	4904	-53.43	-13	-40.43	-73.42	-56.84	7.14	12.70	H
	1633.5	-63.45	-13	-50.45	-71.51	-66.70	4.00	9.40	V
	2450.25	-62.14	-13	-49.14	-74.81	-65.71	4.88	10.60	V
	3267	-47.79	-13	-34.79	-62.54	-52.72	5.52	12.60	V
	4080	-58.34	-13	-45.34	-75.97	-62.81	6.00	12.62	V
4904	-57.02	-13	-44.02	-77.19	-60.43	7.14	12.70	V	

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

LTE Band 26 / 10MHz / 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	1629	-63.58	-13	-50.58	-71.74	-66.83	4.00	9.40	H
	2443.5	-61.25	-13	-48.25	-73.94	-64.82	4.88	10.60	H
	3258	-42.90	-13	-29.90	-57.79	-47.83	5.52	12.60	H
	4072	-55.21	-13	-42.21	-72.82	-59.68	6.00	12.62	H
	4888	-55.03	-13	-42.03	-75.02	-58.44	7.14	12.70	H
	1629	-63.66	-13	-50.66	-71.72	-66.91	4.00	9.40	V
	2443.5	-60.76	-13	-47.76	-73.43	-64.33	4.88	10.60	V
	3258	-48.32	-13	-35.32	-63.07	-53.25	5.52	12.60	V
	4072	-60.20	-13	-47.20	-77.82	-64.67	6.00	12.62	V
4888	-57.87	-13	-44.87	-78.07	-61.28	7.14	12.70	V	

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



LTE Band 26 / 15MHz / 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)
Lowest	1629.5	-64.22	-13	-51.22	-72.38	-67.45	3.98	9.36	H
	2444.25	-62.60	-13	-49.60	-75.29	-66.15	4.85	10.55	H
	3259	-43.88	-13	-30.88	-58.77	-48.81	5.50	12.58	H
	4073.75	-56.41	-13	-43.41	-74.03	-60.88	5.98	12.60	H
	4888.5	-54.39	-13	-41.39	-74.38	-57.82	7.10	12.68	H
	1629.5	-64.33	-13	-51.33	-72.39	-67.56	3.98	9.36	V
	2444.25	-62.54	-13	-49.54	-75.21	-66.09	4.85	10.55	V
	3259	-48.28	-13	-35.28	-63.03	-53.21	5.50	12.58	V
	4073.75	-60.53	-13	-47.53	-78.16	-65.00	5.98	12.60	V
	4888.5	-57.88	-13	-44.88	-78.08	-61.31	7.10	12.68	V

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

Bottom Antenna:

LTE Band 26 / 5MHz / 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	1633.5	-62.34	-13	-49.34	-70.50	-65.59	4.00	9.40	H
	2450.25	-63.13	-13	-50.13	-75.82	-66.70	4.88	10.60	H
	3267	-44.65	-13	-31.65	-59.54	-49.58	5.52	12.60	H
	4080	-55.78	-13	-42.78	-73.40	-60.25	6.00	12.62	H
	4904	-53.56	-13	-40.56	-73.55	-56.97	7.14	12.70	H
	1633.5	-62.03	-13	-49.03	-70.09	-65.28	4.00	9.40	V
	2450.25	-63.13	-13	-50.13	-75.80	-66.70	4.88	10.60	V
	3267	-45.89	-13	-32.89	-60.64	-50.82	5.52	12.60	V
	4080	-56.97	-13	-43.97	-74.60	-61.44	6.00	12.62	V
	4904	-57.04	-13	-44.04	-77.21	-60.45	7.14	12.70	V

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



LTE Band 26 / 10MHz / 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	1629	-62.37	-13	-49.37	-70.53	-65.62	4.00	9.40	H
	2443.5	-62.65	-13	-49.65	-75.34	-66.22	4.88	10.60	H
	3258	-42.60	-13	-29.60	-57.49	-47.53	5.52	12.60	H
	4072	-55.04	-13	-42.04	-72.65	-59.51	6.00	12.62	H
	4888	-54.39	-13	-41.39	-74.38	-57.80	7.14	12.70	H
	1629	-62.80	-13	-49.80	-70.86	-66.05	4.00	9.40	V
	2443.5	-63.20	-13	-50.20	-75.87	-66.77	4.88	10.60	V
	3258	-45.69	-13	-32.69	-60.44	-50.62	5.52	12.60	V
	4072	-56.41	-13	-43.41	-74.03	-60.88	6.00	12.62	V
	4888	-57.58	-13	-44.58	-77.78	-60.99	7.14	12.70	V

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

LTE Band 26 / 15MHz / 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)
Lowest	1629.5	-61.05	-13	-48.05	-69.21	-64.28	3.98	9.36	H
	2444.25	-62.93	-13	-49.93	-75.62	-66.48	4.85	10.55	H
	3259	-45.16	-13	-32.16	-60.05	-50.09	5.50	12.58	H
	4072	-56.52	-13	-43.52	-74.13	-60.99	5.98	12.60	H
	4888	-53.73	-13	-40.73	-73.72	-57.16	7.10	12.68	H
	1629.5	-62.72	-13	-49.72	-70.78	-65.95	3.98	9.36	V
	2444.25	-63.18	-13	-50.18	-75.85	-66.73	4.85	10.55	V
	3259	-43.52	-13	-30.52	-58.27	-48.45	5.50	12.58	V
	4072	-54.58	-13	-41.58	-72.20	-59.05	5.98	12.60	V
	4888	-56.02	-13	-43.02	-76.22	-59.45	7.10	12.68	V

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