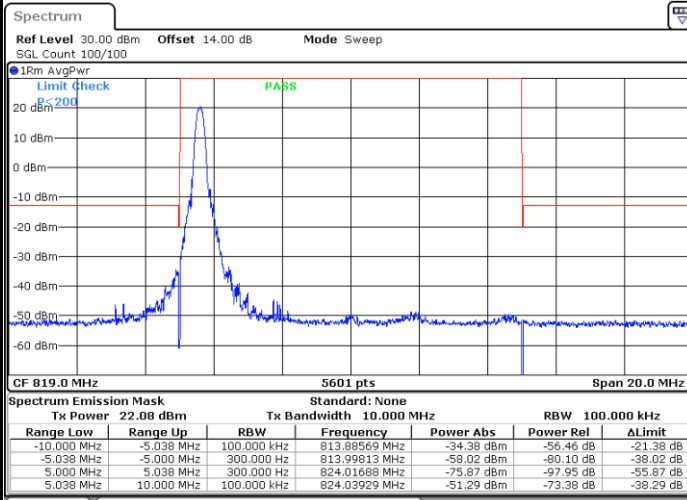




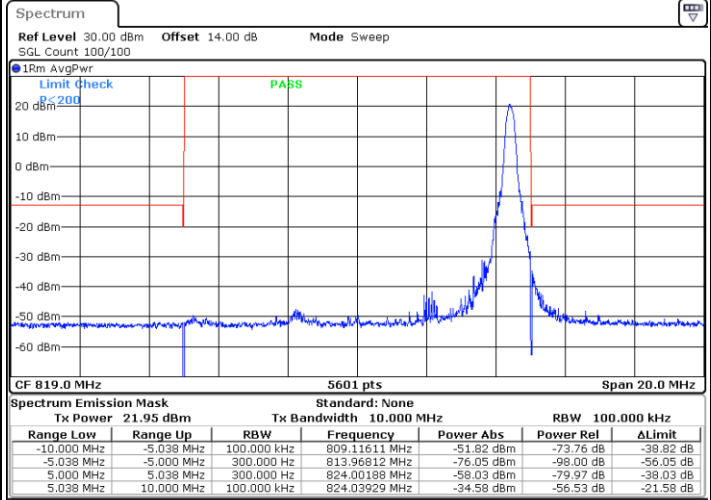
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



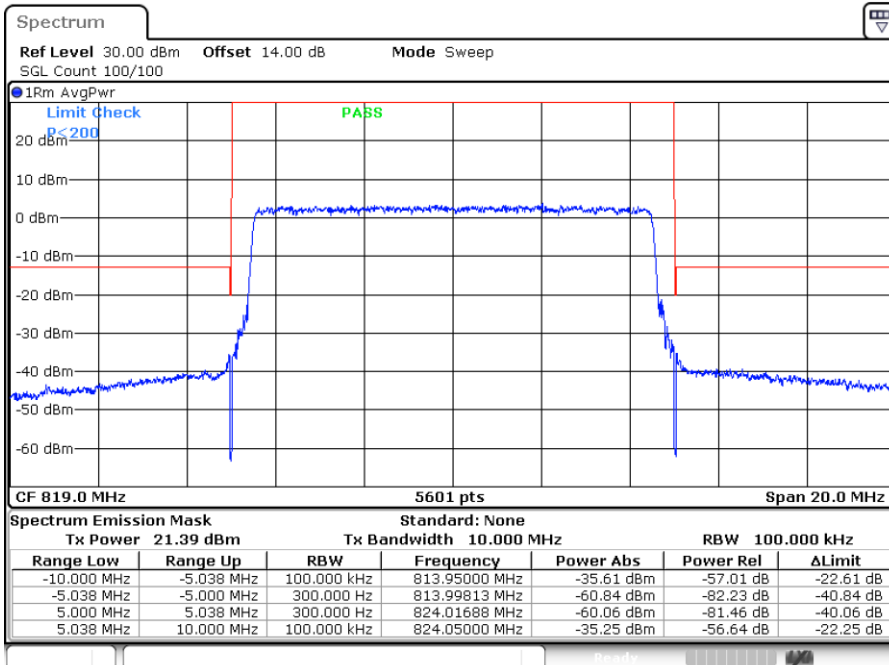
Date: 1.MAY.2020 20:39:49

Highest Band Edge / 1 RB



Date: 1.MAY.2020 20:41:30

Band Edge / Full RB

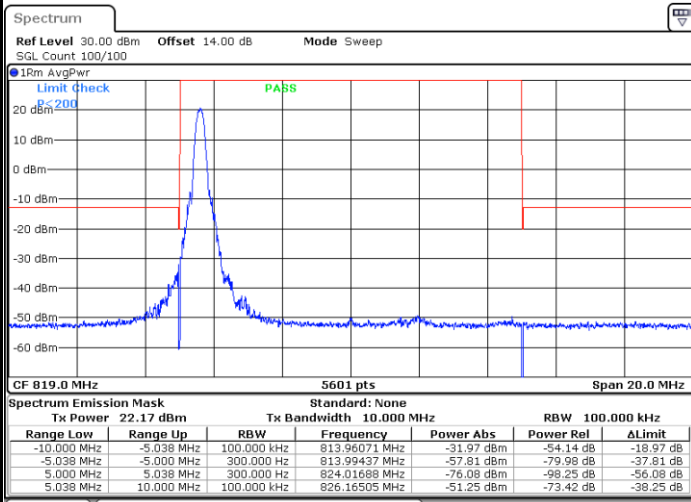


Date: 1.MAY.2020 20:43:10



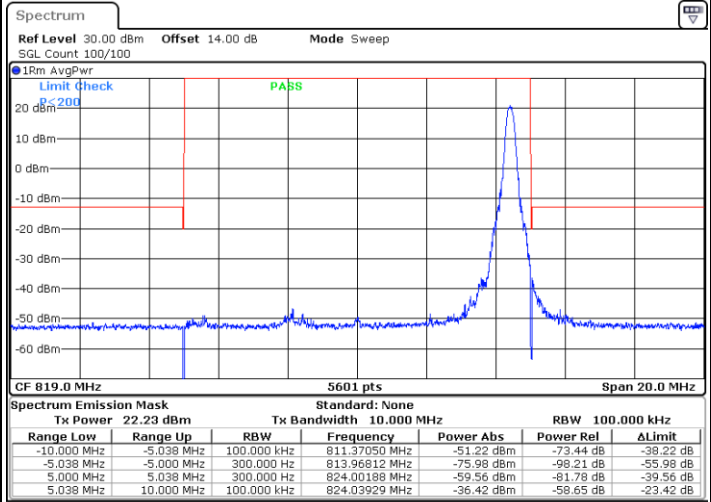
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



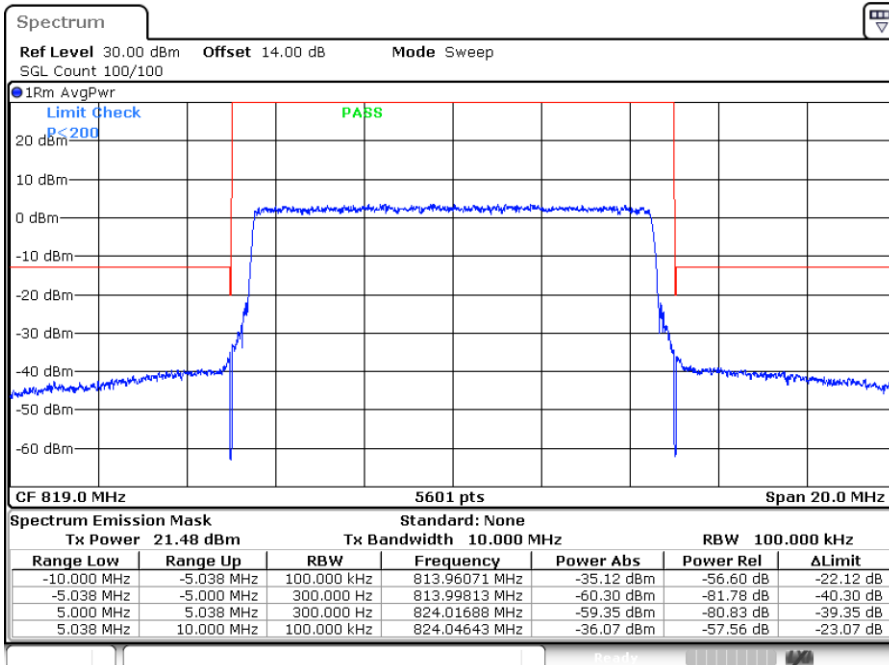
Date: 1.MAY.2020 22:00:25

Highest Band Edge / 1 RB



Date: 1.MAY.2020 22:01:14

Band Edge / Full RB

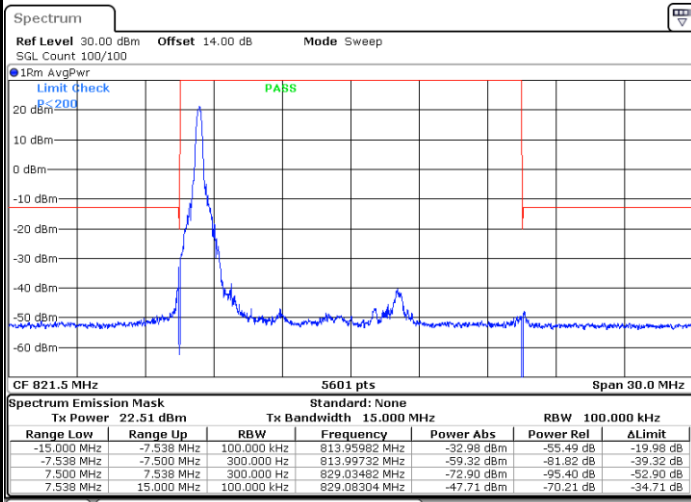


Date: 1.MAY.2020 22:02:04



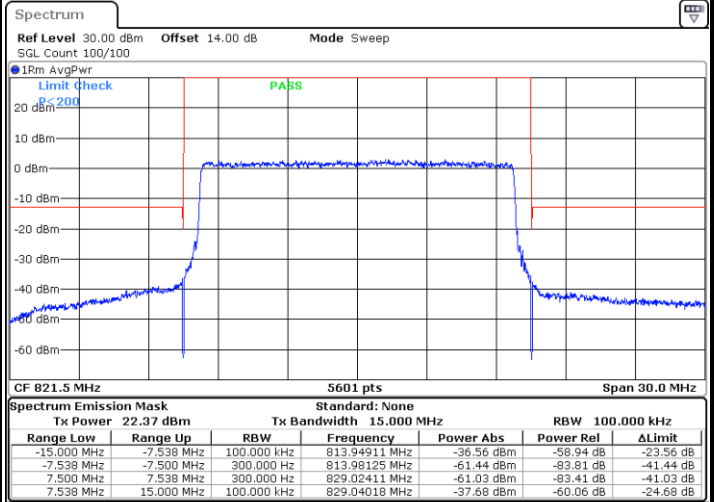
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 1.MAY.2020 20:44:00

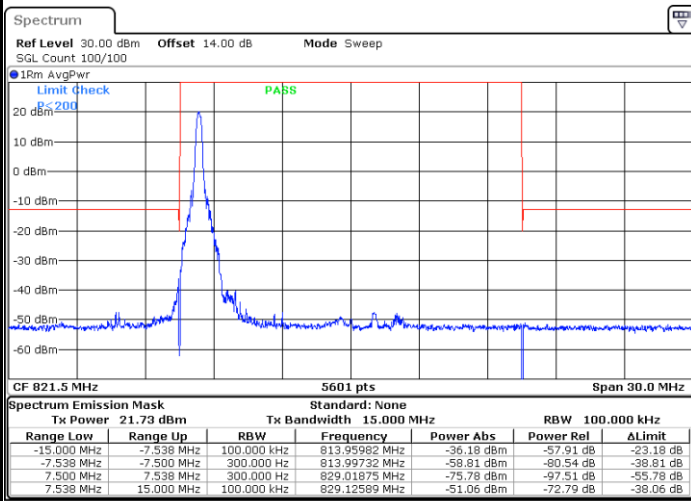
Lowest Band Edge / Full RB



Date: 1.MAY.2020 20:47:21

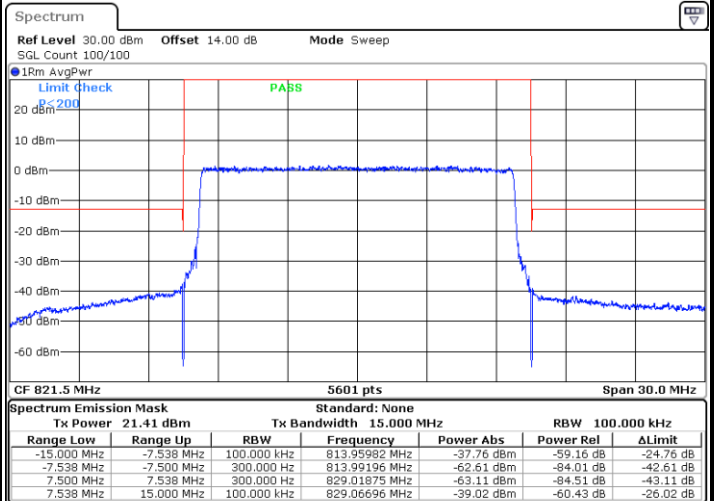
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB

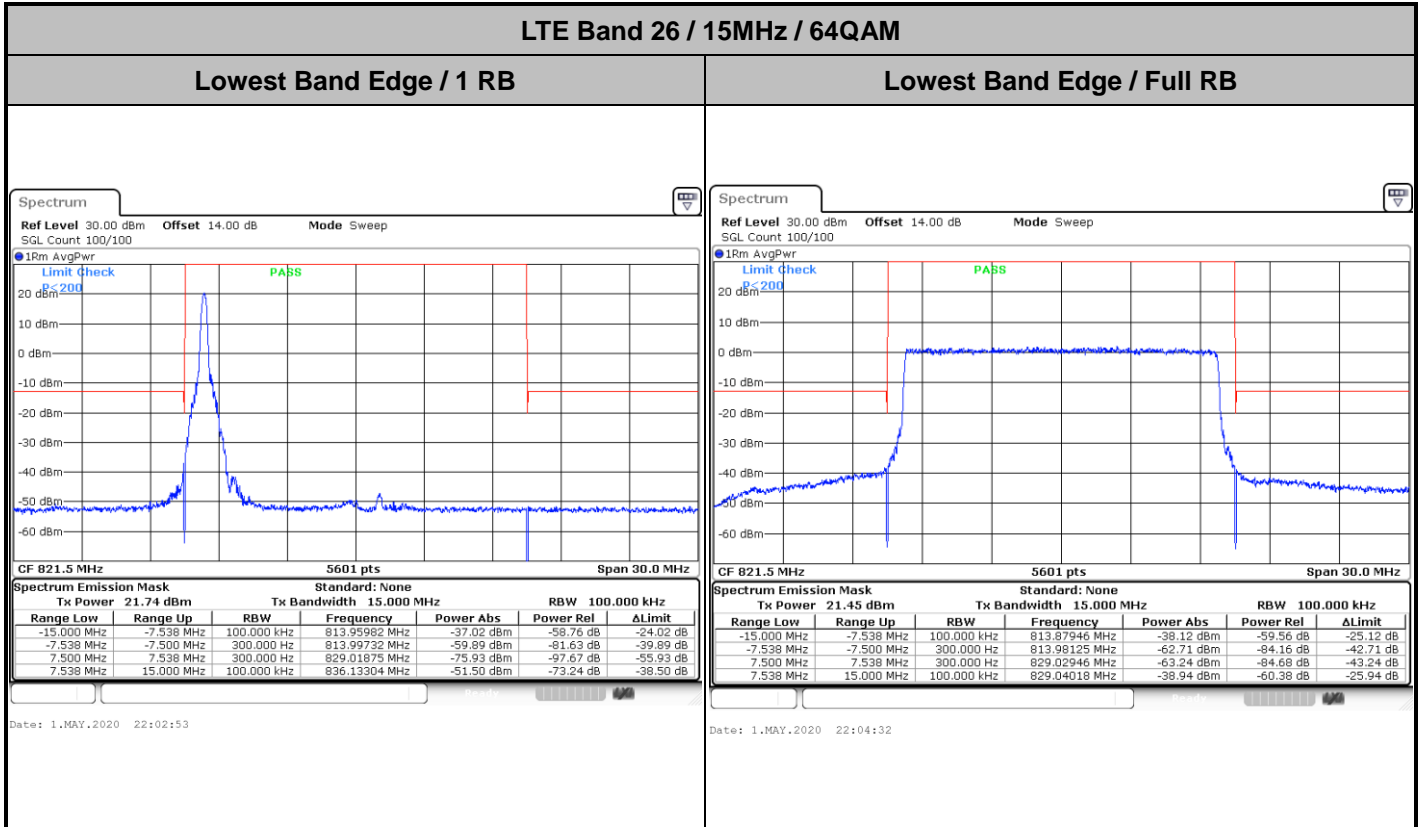


Date: 1.MAY.2020 20:44:50

Lowest Band Edge / Full RB

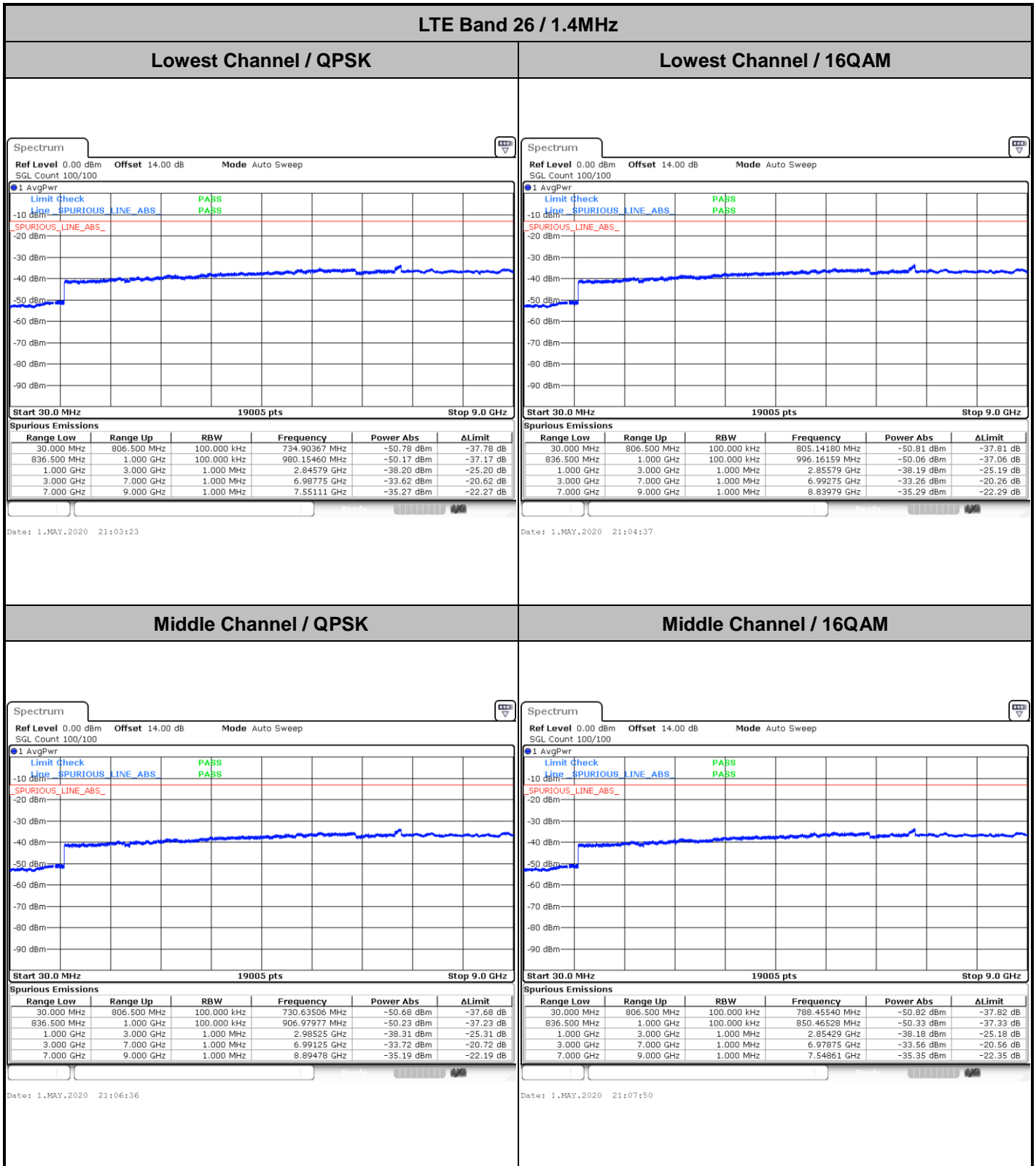


Date: 1.MAY.2020 20:48:11





# Conducted Spurious Emission

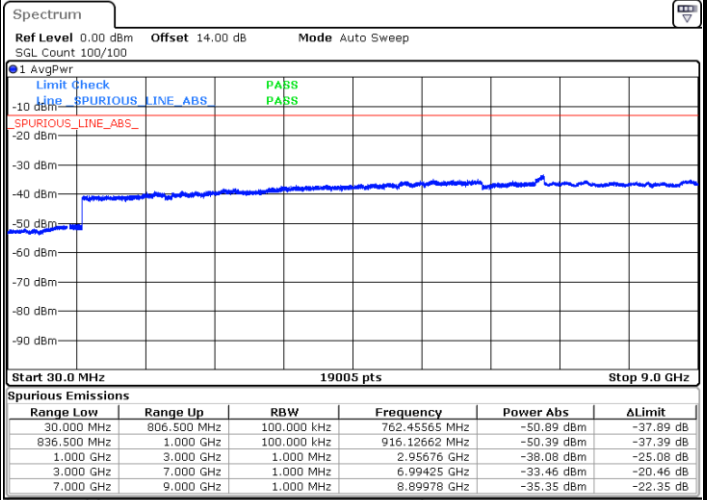
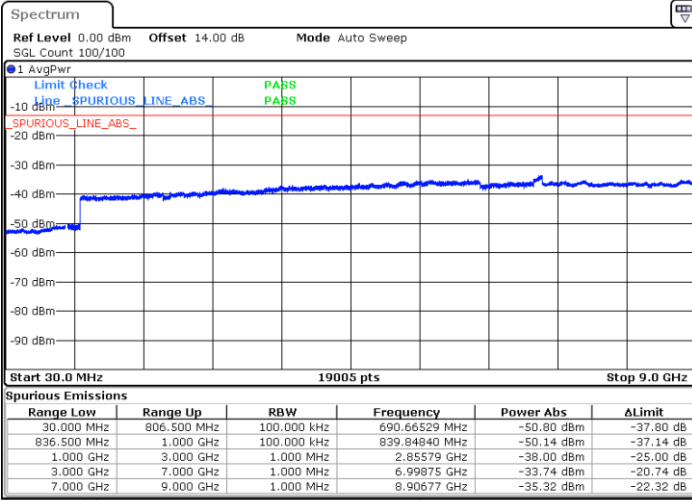




LTE Band 26 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



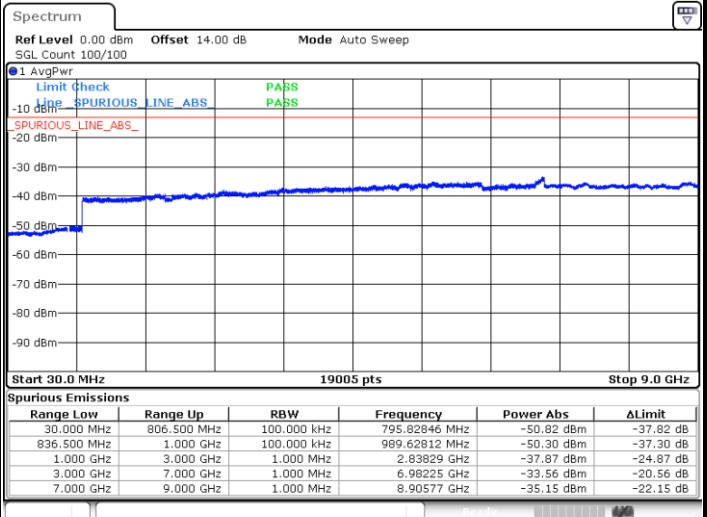
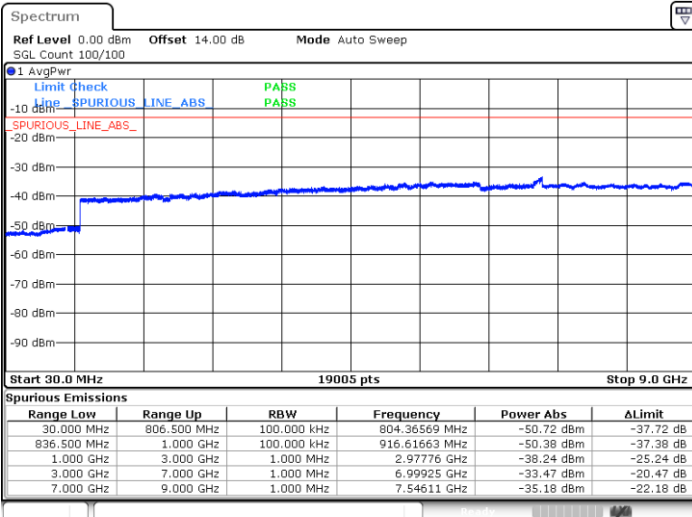
Date: 1.MAY.2020 21:09:48

Date: 1.MAY.2020 21:11:02

LTE Band 26 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 1.MAY.2020 21:13:01

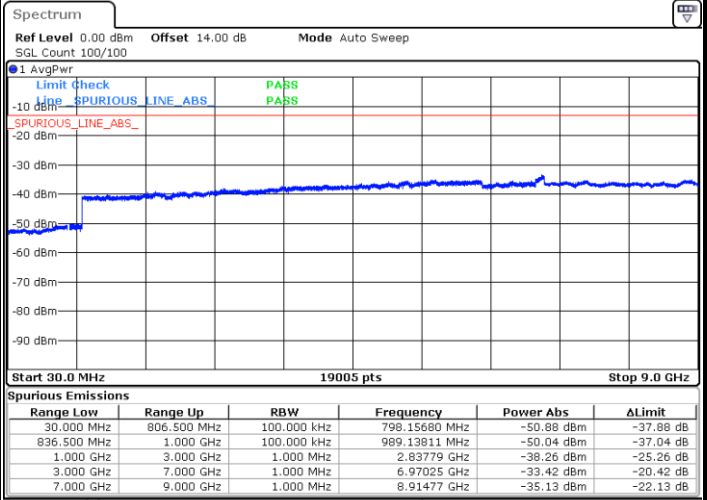
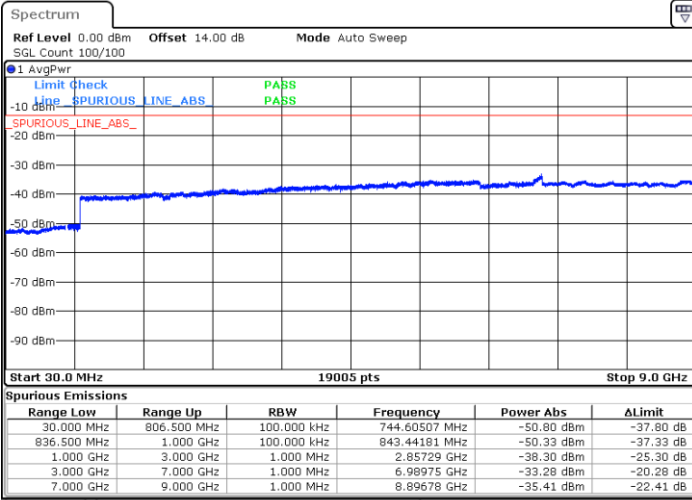
Date: 1.MAY.2020 21:14:15



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

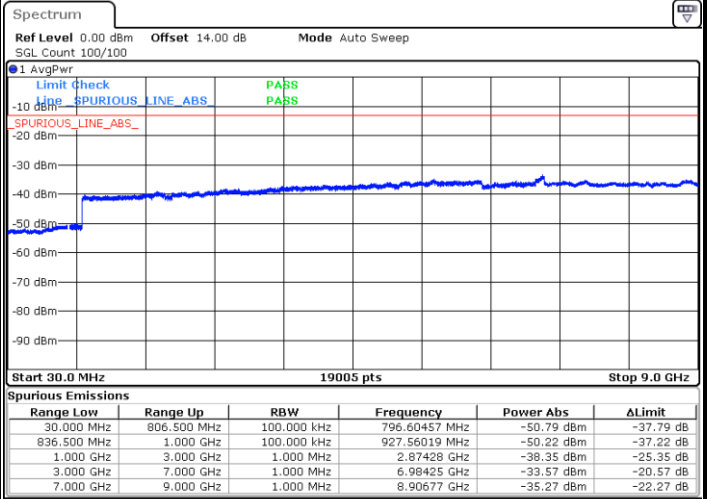
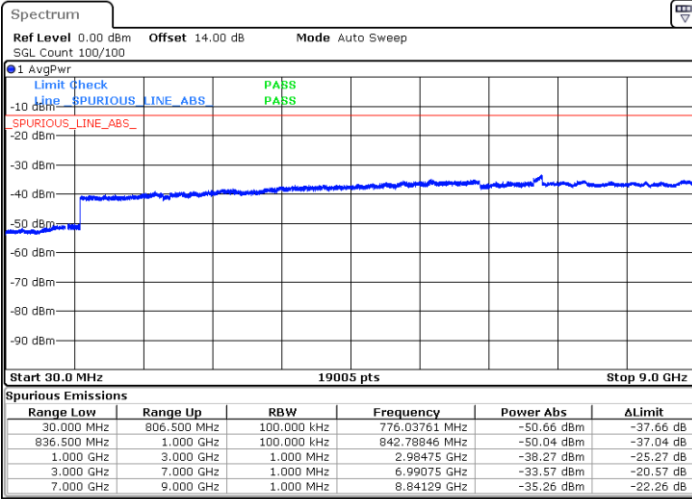


Date: 1.MAY.2020 21:16:13

Date: 1.MAY.2020 21:17:27

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 1.MAY.2020 21:19:25

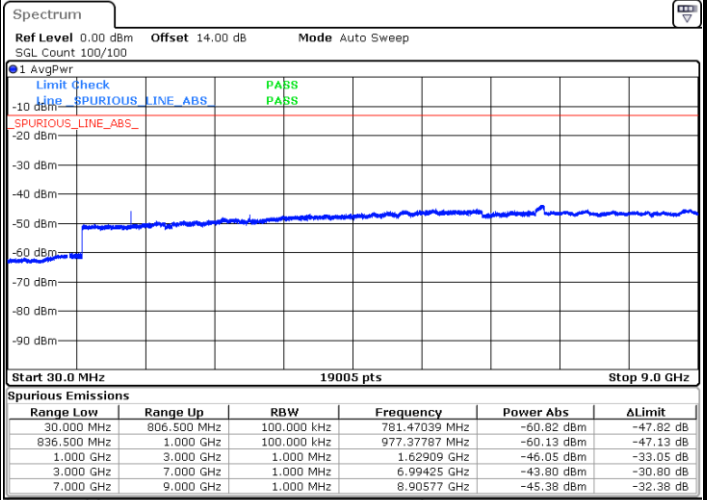
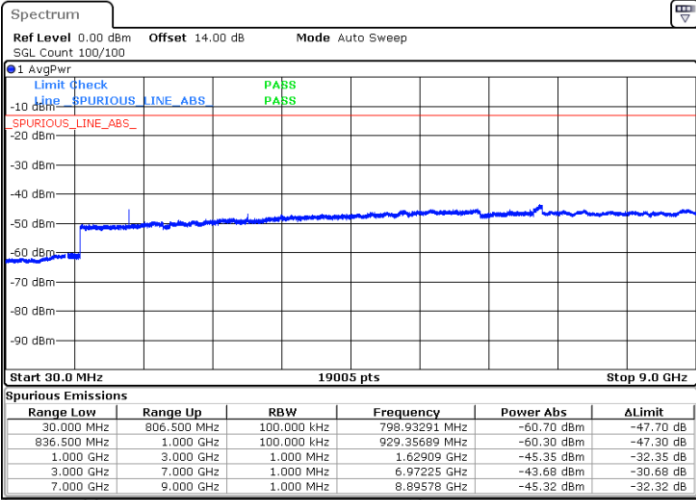
Date: 1.MAY.2020 21:20:39



LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

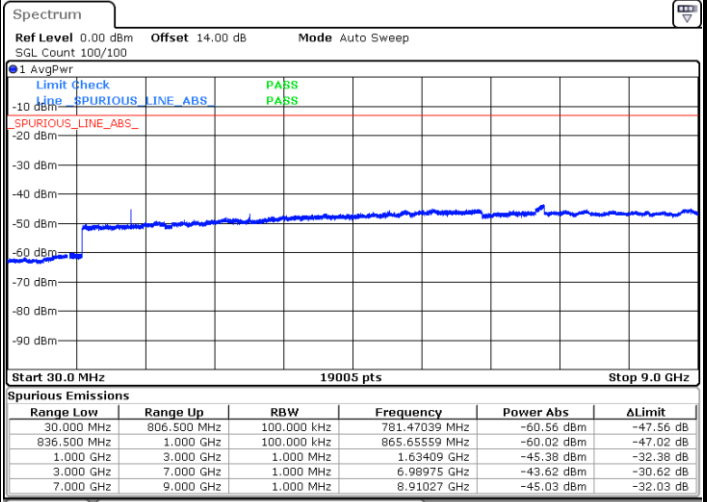
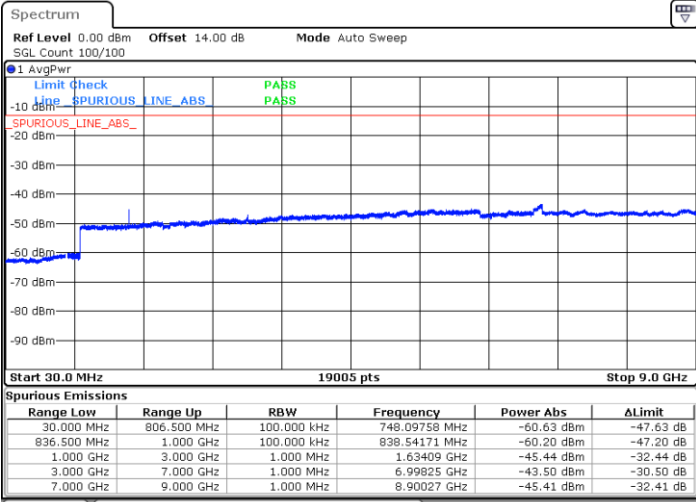


Date: 1.MAY.2020 21:22:38

Date: 1.MAY.2020 21:23:52

Middle Channel / QPSK

Middle Channel / 16QAM



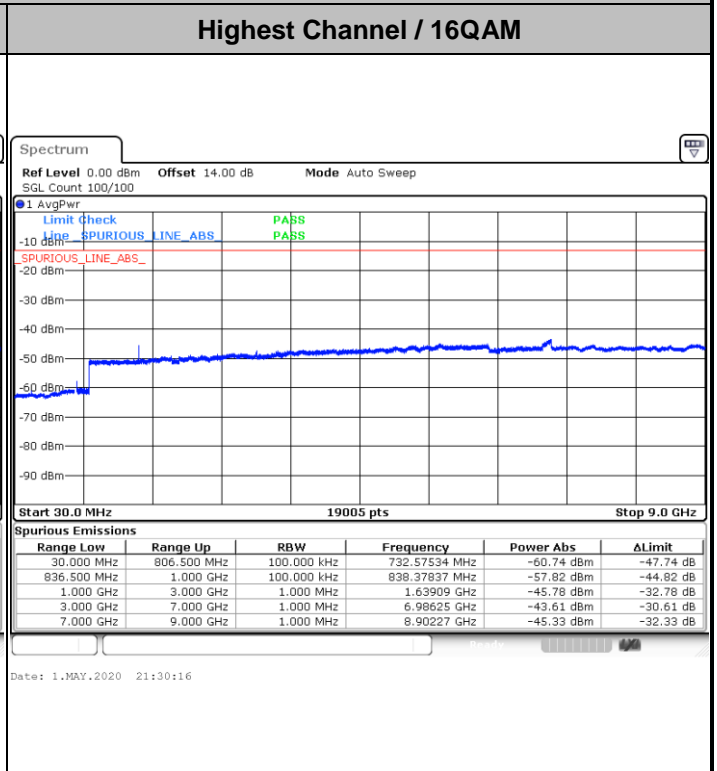
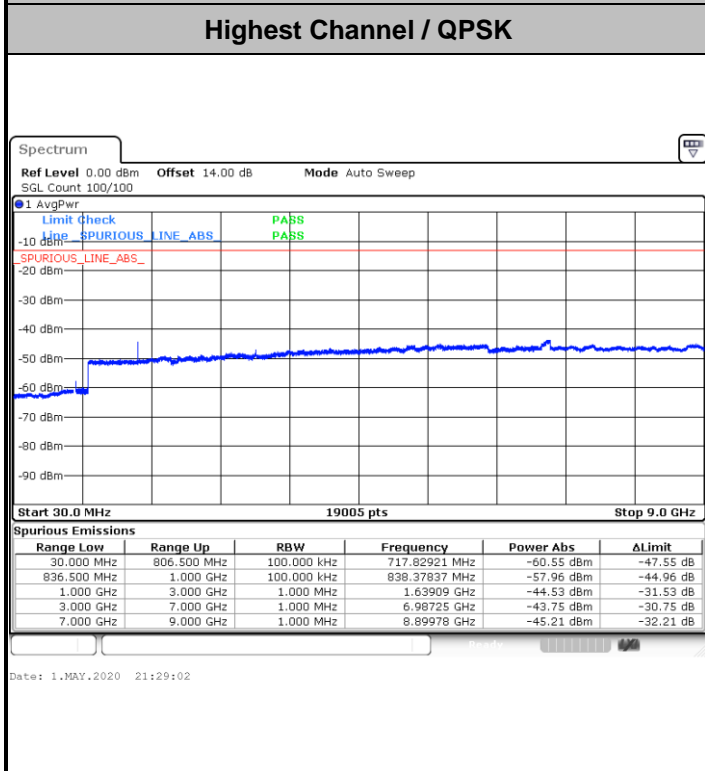
Date: 1.MAY.2020 21:25:50

Date: 1.MAY.2020 21:27:04

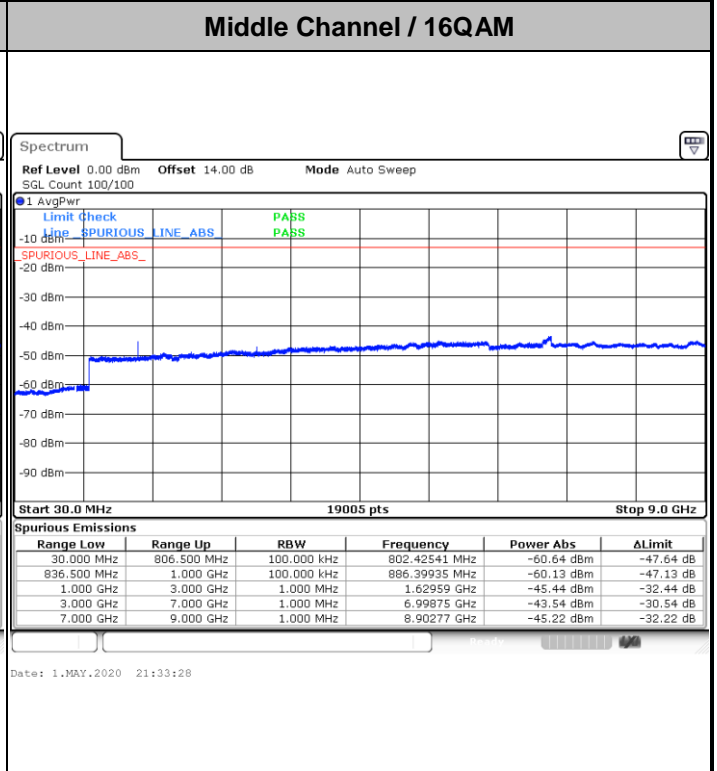
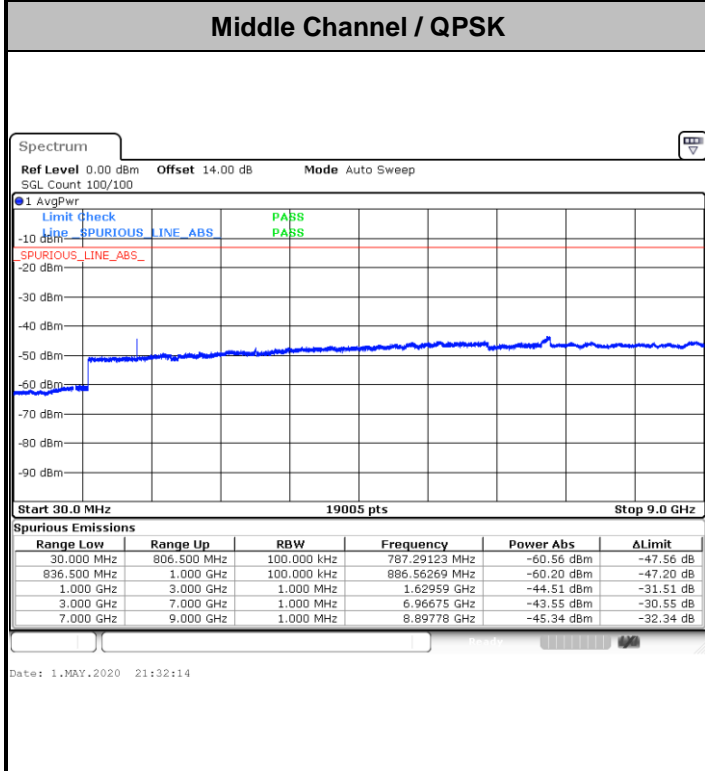




LTE Band 26 / 5MHz



LTE Band 26 / 10MHz

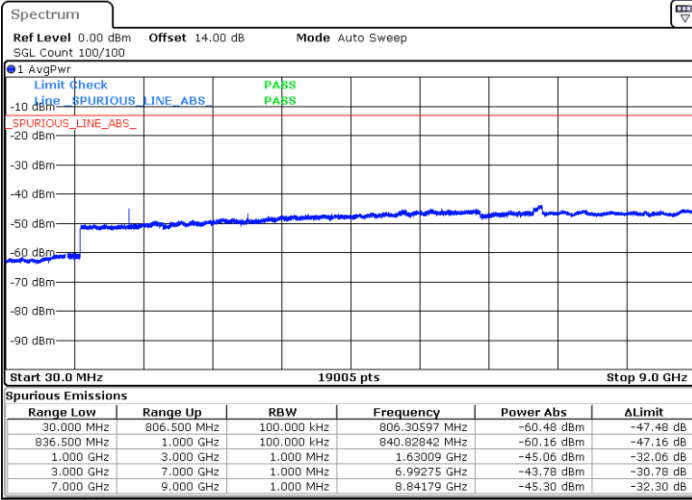




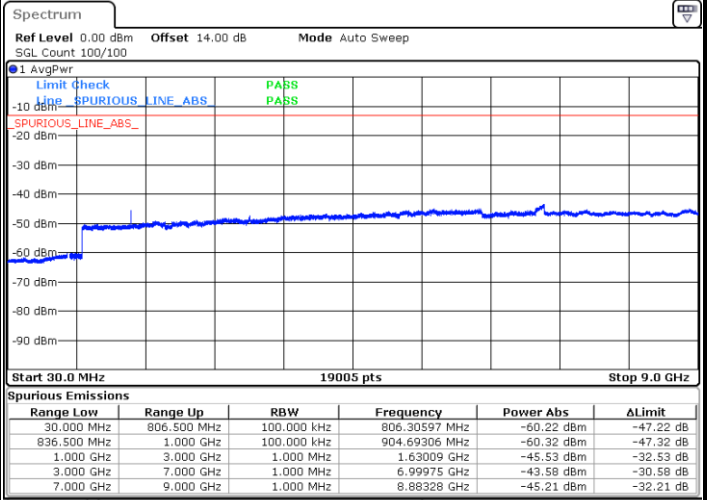
LTE Band 26 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 1.MAY.2020 21:35:26



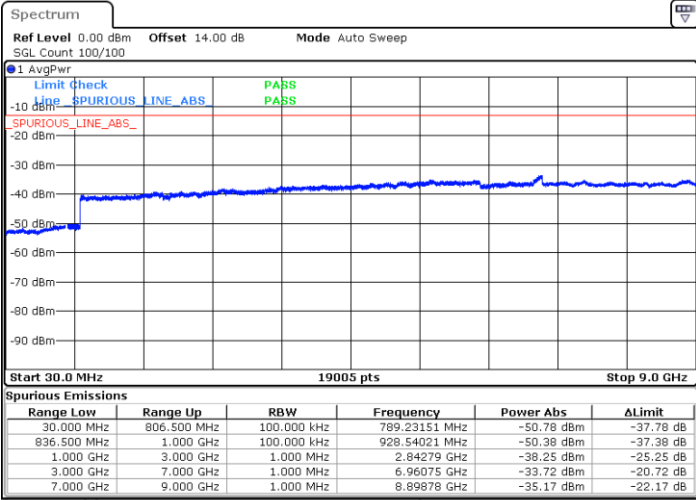
Date: 1.MAY.2020 21:36:41



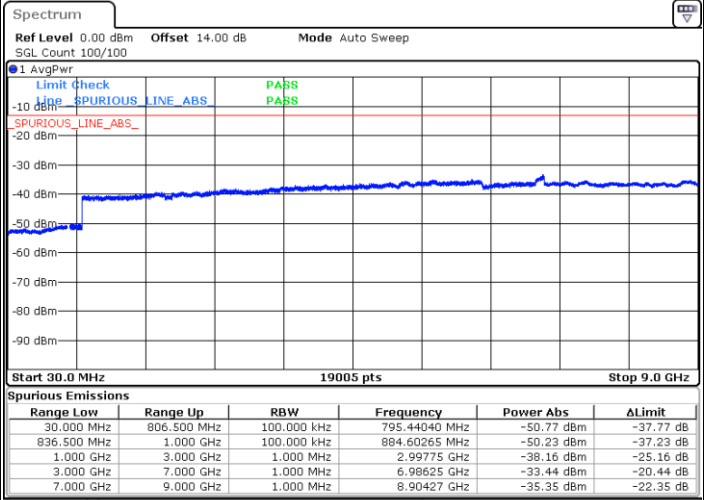
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

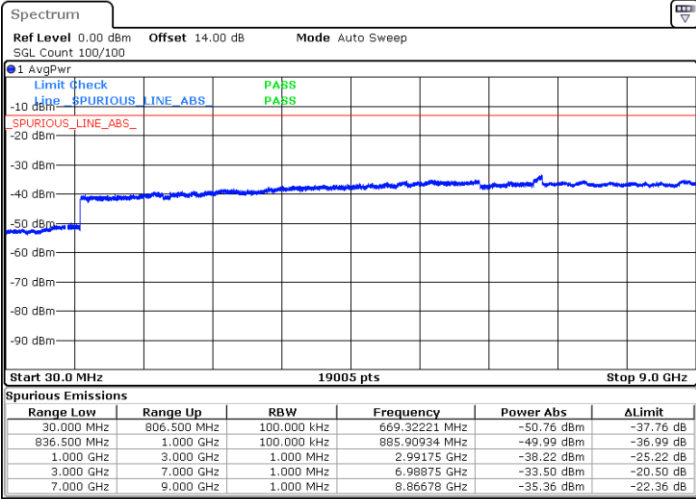


Date: 1.MAY.2020 22:21:25



Date: 1.MAY.2020 22:23:01

Highest Channel / 64QAM



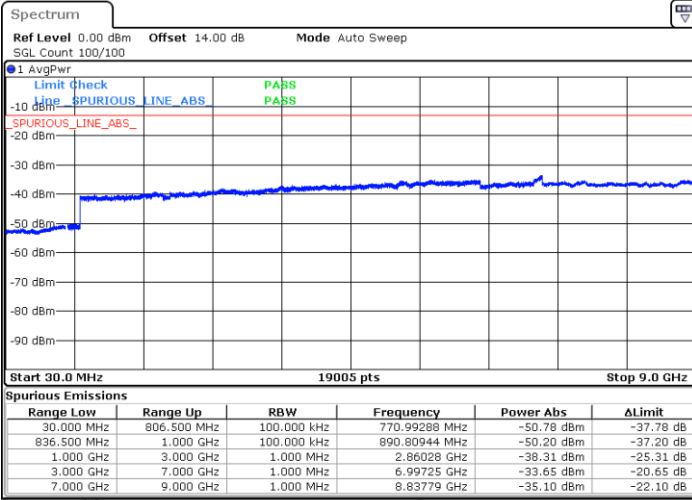
Date: 1.MAY.2020 22:24:38



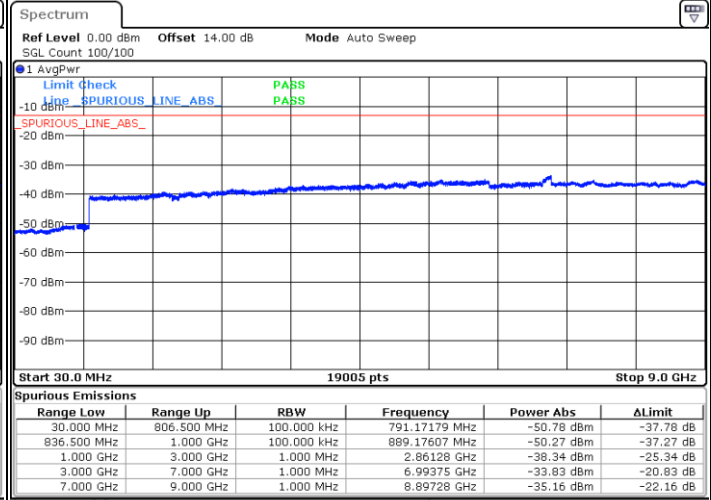
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

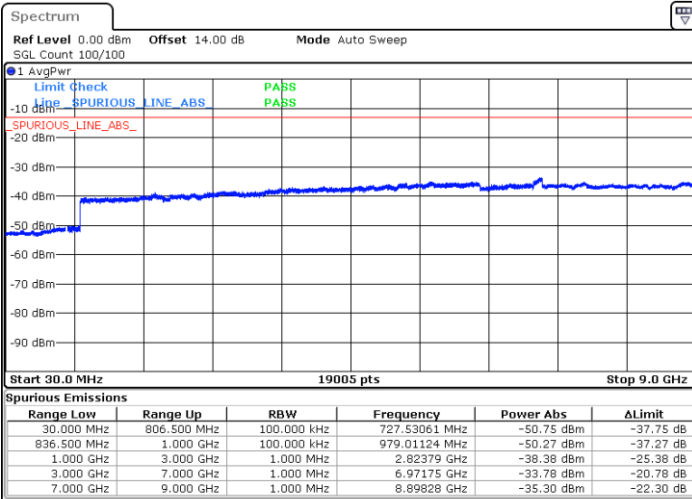


Date: 1.MAY.2020 22:06:08



Date: 1.MAY.2020 22:07:45

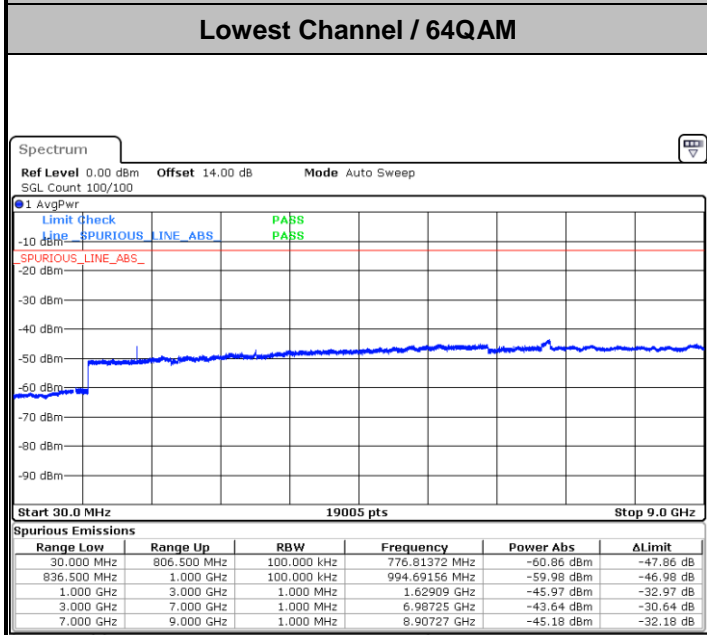
Highest Channel / 64QAM



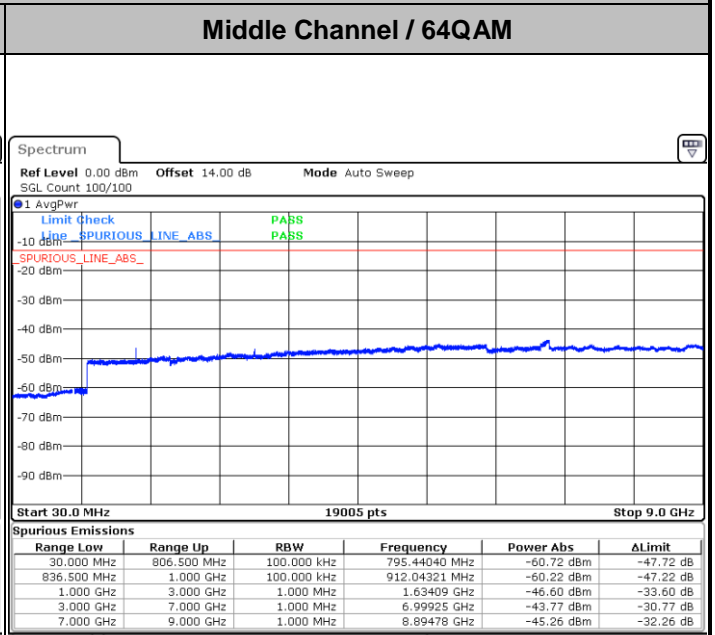
Date: 1.MAY.2020 22:09:21



LTE Band 26 / 5MHz

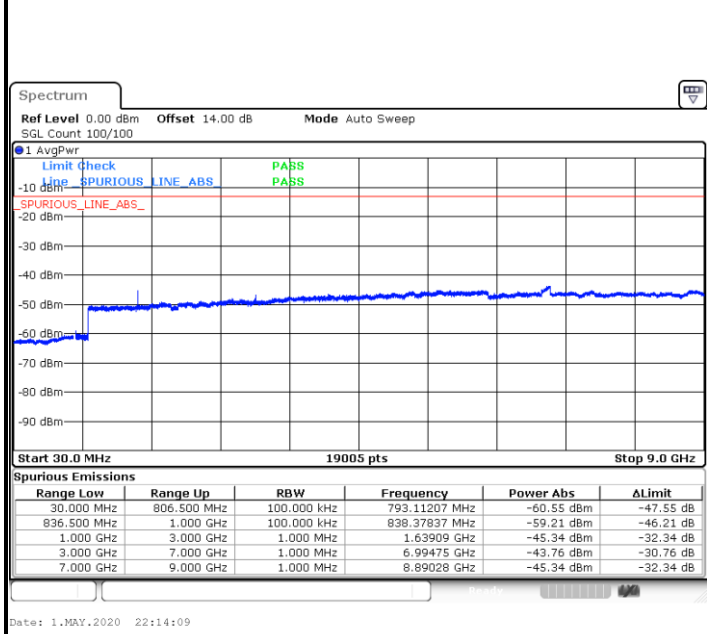


Date: 1.MAY.2020 22:10:57

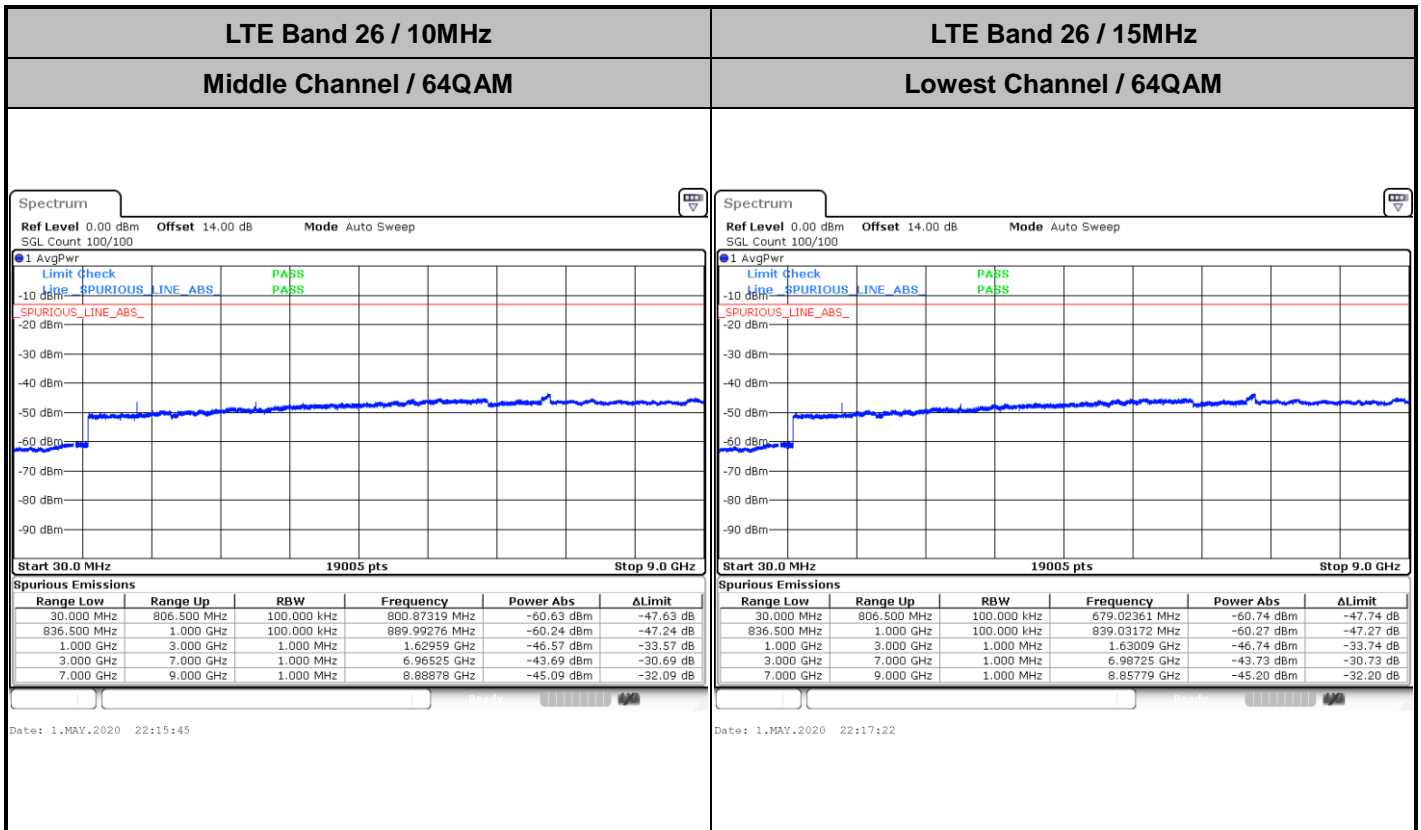


Date: 1.MAY.2020 22:12:33

Highest Channel / 64QAM



Date: 1.MAY.2020 22:14:09





### 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	0.0054	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0066	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0034	
20	Maximum Voltage	0.0060	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Note: Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.



# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

Top Antenna:

LTE Band 26 / 1.4MHz / 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	1628.14	-67.18	-13	-54.18	-79.13	-70.41	3.98	9.36	H
	2442.21	-65.03	-13	-52.03	-80.91	-68.58	4.85	10.55	H
	3256.28	-63.87	-13	-50.87	-82.22	-68.80	5.50	12.58	H
	1628.14	-67.59	-13	-54.59	-79.09	-70.82	3.98	9.36	V
	2442.21	-65.02	-13	-52.02	-80.91	-68.57	4.85	10.55	V
	3256.28	-63.67	-13	-50.67	-82.15	-68.60	5.50	12.58	V
Middle	1636.74	-67.08	-13	-54.08	-79.03	-70.33	4.00	9.40	H
	2455.11	-65.08	-13	-52.08	-80.94	-68.65	4.88	10.60	H
	3273.48	-63.74	-13	-50.74	-82.07	-68.67	5.52	12.60	H
	1636.74	-67.55	-13	-54.55	-79.05	-70.80	4.00	9.40	V
	2455.11	-65.11	-13	-52.11	-80.94	-68.68	4.88	10.60	V
	3273.48	-63.76	-13	-50.76	-82.19	-68.69	5.52	12.60	V
Highest	1645.34	-67.17	-13	-54.17	-78.99	-70.34	4.10	9.42	H
	2468.01	-64.84	-13	-51.84	-80.69	-68.42	4.90	10.63	H
	3290.68	-63.98	-13	-50.98	-82.28	-68.90	5.55	12.62	H
	1645.34	-67.65	-13	-54.65	-79.10	-70.82	4.10	9.42	V
	2468.01	-64.76	-13	-51.76	-80.58	-68.34	4.90	10.63	V
	3290.68	-63.70	-13	-50.70	-82.07	-68.62	5.55	12.62	V

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





LTE Band 26 / 3MHz / 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	1628.3	-66.87	-13	-53.87	-78.82	-70.10	3.98	9.36	H
	2442.45	-64.94	-13	-51.94	-80.82	-68.49	4.85	10.55	H
	3256.6	-63.75	-13	-50.75	-82.10	-68.68	5.50	12.58	H
	1628.3	-67.67	-13	-54.67	-79.17	-70.90	3.98	9.36	V
	2442.45	-64.82	-13	-51.82	-80.71	-68.37	4.85	10.55	V
	3256.6	-63.29	-13	-50.29	-81.77	-68.22	5.50	12.58	V
Middle	1635.3	-66.89	-13	-53.89	-78.84	-70.14	4.00	9.40	H
	2452.95	-64.92	-13	-51.92	-80.80	-68.49	4.88	10.60	H
	3270.6	-63.62	-13	-50.62	-81.95	-68.55	5.52	12.60	H
	1635.3	-67.63	-13	-54.63	-79.13	-70.88	4.00	9.40	V
	2452.95	-65.13	-13	-52.13	-81.02	-68.70	4.88	10.60	V
	3270.6	-63.66	-13	-50.66	-82.09	-68.59	5.52	12.60	V
Highest	1642.3	-67.14	-13	-54.14	-78.96	-70.31	4.10	9.42	H
	2463.45	-65.01	-13	-52.01	-80.87	-68.59	4.90	10.63	H
	3284.6	-63.58	-13	-50.58	-81.92	-68.50	5.55	12.62	H
	1642.3	-67.67	-13	-54.67	-79.12	-70.84	4.10	9.42	V
	2463.45	-64.87	-13	-51.87	-80.70	-68.45	4.90	10.63	V
	3284.6	-63.78	-13	-50.78	-82.22	-68.70	5.55	12.62	V

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



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)
Lowest	1628.5	-67.16	-13	-54.16	-79.11	-70.39	3.98	9.36	H
	2442.75	-65.18	-13	-52.18	-81.06	-68.73	4.85	10.55	H
	3257	-63.77	-13	-50.77	-82.13	-68.70	5.50	12.58	H
	1628.5	-67.52	-13	-54.52	-79.02	-70.75	3.98	9.36	V
	2442.75	-64.80	-13	-51.80	-80.69	-68.35	4.85	10.55	V
	3257	-63.35	-13	-50.35	-81.84	-68.28	5.50	12.58	V
Middle	1633.5	-67.14	-13	-54.14	-79.09	-70.39	4.00	9.40	H
	2450.25	-65.28	-13	-52.28	-81.16	-68.85	4.88	10.60	H
	3267	-63.79	-13	-50.79	-82.15	-68.72	5.52	12.60	H
	1633.5	-67.26	-13	-54.26	-78.76	-70.51	4.00	9.40	V
	2450.25	-64.90	-13	-51.90	-80.79	-68.47	4.88	10.60	V
	3267	-63.79	-13	-50.79	-82.28	-68.72	5.52	12.60	V
Highest	1638.5	-67.47	-13	-54.47	-79.29	-70.64	4.10	9.42	H
	2457.75	-64.74	-13	-51.74	-80.60	-68.32	4.90	10.63	H
	3277	-63.78	-13	-50.78	-82.11	-68.70	5.55	12.62	H
	1638.5	-67.73	-13	-54.73	-79.18	-70.90	4.10	9.42	V
	2457.75	-64.83	-13	-51.83	-80.66	-68.41	4.90	10.63	V
	3277	-63.57	-13	-50.57	-82.00	-68.49	5.55	12.62	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	-66.94	-13	-53.94	-78.89	-70.19	4.00	9.40	H
	2443.5	-64.93	-13	-51.93	-80.81	-68.50	4.88	10.60	H
	3258	-63.91	-13	-50.91	-82.27	-68.84	5.52	12.60	H
	1629	-67.67	-13	-54.67	-79.17	-70.92	4.00	9.40	V
	2443.5	-65.17	-13	-52.17	-81.06	-68.74	4.88	10.60	V
	3258	-63.66	-13	-50.66	-82.15	-68.59	5.52	12.60	V

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



Bottom Antenna:

LTE Band 26 / 1.4MHz / 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	1628.14	-66.74	-13	-53.74	-78.69	-69.97	3.98	9.36	H
	2442.21	-64.08	-13	-51.08	-79.96	-67.63	4.85	10.55	H
	3256.28	-63.25	-13	-50.25	-81.60	-68.18	5.50	12.58	H
	1628.14	-67.12	-13	-54.12	-78.62	-70.35	3.98	9.36	V
	2442.21	-64.42	-13	-51.42	-80.31	-67.97	4.85	10.55	V
	3256.28	-63.15	-13	-50.15	-81.63	-68.08	5.50	12.58	V
Middle	1636.74	-66.71	-13	-53.71	-78.66	-69.96	4.00	9.40	H
	2455.11	-64.56	-13	-51.56	-80.42	-68.13	4.88	10.60	H
	3273.48	-63.54	-13	-50.54	-81.87	-68.47	5.52	12.60	H
	1636.74	-67.36	-13	-54.36	-78.86	-70.61	4.00	9.40	V
	2455.11	-64.55	-13	-51.55	-80.38	-68.12	4.88	10.60	V
	3273.48	-62.22	-13	-49.22	-80.65	-67.15	5.52	12.60	V
Highest	1645.34	-66.74	-13	-53.74	-78.56	-69.91	4.10	9.42	H
	2468.01	-64.08	-13	-51.08	-79.93	-67.66	4.90	10.63	H
	3290.68	-63.11	-13	-50.11	-81.41	-68.03	5.55	12.62	H
	1645.34	-67.27	-13	-54.27	-78.72	-70.44	4.10	9.42	V
	2468.01	-64.05	-13	-51.05	-79.87	-67.63	4.90	10.63	V
	3290.68	-63.17	-13	-50.17	-81.54	-68.09	5.55	12.62	V

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



LTE Band 26 / 3MHz / 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	1628.3	-66.80	-13	-53.80	-78.75	-70.03	3.98	9.36	H
	2442.45	-64.56	-13	-51.56	-80.44	-68.11	4.85	10.55	H
	3256.6	-62.97	-13	-49.97	-81.32	-67.90	5.50	12.58	H
	1628.3	-67.48	-13	-54.48	-78.98	-70.71	3.98	9.36	V
	2442.45	-64.13	-13	-51.13	-80.02	-67.68	4.85	10.55	V
	3256.6	-62.93	-13	-49.93	-81.41	-67.86	5.50	12.58	V
Middle	1635.3	-66.93	-13	-53.93	-78.88	-70.18	4.00	9.40	H
	2452.95	-64.17	-13	-51.17	-80.05	-67.74	4.88	10.60	H
	3270.6	-63.21	-13	-50.21	-81.54	-68.14	5.52	12.60	H
	1635.3	-67.25	-13	-54.25	-78.75	-70.50	4.00	9.40	V
	2452.95	-64.29	-13	-51.29	-80.18	-67.86	4.88	10.60	V
	3270.6	-62.77	-13	-49.77	-81.20	-67.70	5.52	12.60	V
Highest	1642.3	-67.09	-13	-54.09	-78.91	-70.26	4.10	9.42	H
	2463.45	-64.63	-13	-51.63	-80.49	-68.21	4.90	10.63	H
	3284.6	-63.27	-13	-50.27	-81.61	-68.19	5.55	12.62	H
	1642.3	-67.49	-13	-54.49	-78.94	-70.66	4.10	9.42	V
	2463.45	-63.92	-13	-50.92	-79.75	-67.50	4.90	10.63	V
	3284.6	-62.99	-13	-49.99	-81.43	-67.91	5.55	12.62	V

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



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)
Lowest	1628.5	-66.80	-13	-53.80	-78.75	-70.03	3.98	9.36	H
	2442.75	-64.33	-13	-51.33	-80.21	-67.88	4.85	10.55	H
	3257	-63.32	-13	-50.32	-81.68	-68.25	5.50	12.58	H
	1628.5	-66.96	-13	-53.96	-78.46	-70.19	3.98	9.36	V
	2442.75	-64.55	-13	-51.55	-80.44	-68.10	4.85	10.55	V
	3257	-63.19	-13	-50.19	-81.68	-68.12	5.50	12.58	V
Middle	1633.5	-66.84	-13	-53.84	-78.79	-70.09	4.00	9.40	H
	2450.25	-64.59	-13	-51.59	-80.47	-68.16	4.88	10.60	H
	3267	-63.03	-13	-50.03	-81.39	-67.96	5.52	12.60	H
	1633.5	-67.29	-13	-54.29	-78.79	-70.54	4.00	9.40	V
	2450.25	-64.43	-13	-51.43	-80.32	-68.00	4.88	10.60	V
	3267	-62.88	-13	-49.88	-81.37	-67.81	5.52	12.60	V
Highest	1638.5	-66.98	-13	-53.98	-78.80	-70.15	4.10	9.42	H
	2457.75	-64.16	-13	-51.16	-80.02	-67.74	4.90	10.63	H
	3277	-62.95	-13	-49.95	-81.28	-67.87	5.55	12.62	H
	1638.5	-67.57	-13	-54.57	-79.02	-70.74	4.10	9.42	V
	2457.75	-64.61	-13	-51.61	-80.44	-68.19	4.90	10.63	V
	3277	-62.75	-13	-49.75	-81.18	-67.67	5.55	12.62	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	-67.09	-13	-54.09	-79.04	-70.34	4.00	9.40	H
	2443.5	-65.15	-13	-52.15	-81.03	-68.72	4.88	10.60	H
	3258	-63.54	-13	-50.54	-81.90	-68.47	5.52	12.60	H
	1629	-67.53	-13	-54.53	-79.03	-70.78	4.00	9.40	V
	2443.5	-65.00	-13	-52.00	-80.89	-68.57	4.88	10.60	V
	3258	-63.79	-13	-50.79	-82.28	-68.72	5.52	12.60	V

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