



**Antenna Down**

**LTE Band 17- ERP 27.50(c)(10)**

Limits: ≤34.77dBm (3W)

**LTE Band 17\_5MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
<b>706.50</b>	<b>-11.79</b>	<b>-34.70</b>	<b>-0.91</b>	<b>2.15</b>	<b>19.86</b>	<b>34.77</b>	<b>V</b>
710.00	-12.60	-34.70	-0.64	2.15	19.31	34.77	V
713.50	-12.39	-34.70	-0.64	2.15	19.51	34.77	V

**LTE Band 17\_10MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
709.00	-11.91	-34.70	-0.91	2.15	19.73	34.77	V
710.00	-12.64	-34.70	-0.64	2.15	19.26	34.77	V
711.00	-12.49	-34.70	-0.64	2.15	19.41	34.77	V

**LTE Band 17\_5MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
706.50	-11.82	-34.70	-0.91	2.15	19.82	34.77	V
710.00	-12.63	-34.70	-0.64	2.15	19.28	34.77	V
713.50	-12.45	-34.70	-0.64	2.15	19.45	34.77	V

**LTE Band 17\_10MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
709.00	-12.01	-34.70	-0.91	2.15	19.63	34.77	V
710.00	-12.70	-34.70	-0.64	2.15	19.21	34.77	V
711.00	-12.51	-34.70	-0.64	2.15	19.40	34.77	V

**LTE Band 17\_5MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
706.50	-11.90	-34.70	-0.91	2.15	19.74	34.77	V
710.00	-12.71	-34.70	-0.64	2.15	19.19	34.77	V
713.50	-12.48	-34.70	-0.64	2.15	19.42	34.77	V

**LTE Band 17\_10MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
709.00	-11.94	-34.70	-0.91	2.15	19.70	34.77	V
710.00	-12.77	-34.70	-0.64	2.15	19.13	34.77	V
711.00	-12.55	-34.70	-0.64	2.15	19.36	34.77	V

Peak ERP (dBm)=P<sub>Mea</sub>(-11.79dBm)-(P<sub>d</sub>+P<sub>Ag</sub>)(-34.70dB)+G<sub>a</sub>(-0.91)-2.15dB =19.86dBm



**Antenna Up**

**LTE band 26(824MHz-849MHz)- ERP Part 22.913(a)**

Limits: ≤38.45dBm (7W)

**LTE Band 26(824MHz-849MHz)\_1.4MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
<b>824.70</b>	<b>-8.48</b>	<b>-33.60</b>	<b>-0.79</b>	<b>2.15</b>	<b>22.18</b>	<b>38.45</b>	<b>V</b>
836.50	-8.78	-33.50	-0.74	2.15	21.83	38.45	V
848.30	-8.59	-33.50	-0.73	2.15	22.03	38.45	V

**LTE Band 26(824MHz-849MHz)\_3MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-8.63	-33.60	-0.79	2.15	22.03	38.45	V
836.50	-8.84	-33.50	-0.74	2.15	21.77	38.45	V
847.50	-8.64	-33.50	-0.73	2.15	21.97	38.45	V

**LTE Band 26(824MHz-849MHz)\_5MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-8.68	-33.60	-0.79	2.15	21.98	38.45	V
836.50	-8.91	-33.50	-0.74	2.15	21.70	38.45	V
846.50	-8.69	-33.50	-0.73	2.15	21.92	38.45	V

**LTE Band 26(824MHz-849MHz)\_10MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-8.71	-33.60	-0.79	2.15	21.94	38.45	V
836.50	-8.98	-33.50	-0.74	2.15	21.63	38.45	V
844.00	-8.77	-33.50	-0.73	2.15	21.85	38.45	V

**LTE Band 26(824MHz-849MHz)\_15MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-8.78	-33.60	-0.79	2.15	21.88	38.45	V
836.50	-9.04	-33.50	-0.74	2.15	21.57	38.45	V
841.50	-8.81	-33.50	-0.73	2.15	21.81	38.45	V

**LTE Band 26(824MHz-849MHz)\_1.4MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-8.58	-33.60	-0.79	2.15	22.07	38.45	H
836.50	-8.82	-33.50	-0.74	2.15	21.79	38.45	H
848.30	-8.63	-33.50	-0.73	2.15	21.99	38.45	H

**LTE Band 26(824MHz-849MHz)\_3MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-8.70	-33.60	-0.79	2.15	21.96	38.45	H
836.50	-8.88	-33.50	-0.74	2.15	21.73	38.45	H
847.50	-8.70	-33.50	-0.73	2.15	21.92	38.45	H

**LTE Band 26(824MHz-849MHz)\_5MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-8.72	-33.60	-0.79	2.15	21.93	38.45	H
836.50	-8.97	-33.50	-0.74	2.15	21.64	38.45	H
846.50	-8.78	-33.50	-0.73	2.15	21.83	38.45	H

**LTE Band 26(824MHz-849MHz)\_10MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-8.78	-33.60	-0.79	2.15	21.87	38.45	H
836.50	-9.07	-33.50	-0.74	2.15	21.54	38.45	H
844.00	-8.84	-33.50	-0.73	2.15	21.78	38.45	H

**LTE Band 26(824MHz-849MHz)\_15MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-8.85	-33.60	-0.79	2.15	21.81	38.45	H
836.50	-9.12	-33.50	-0.74	2.15	21.50	38.45	H
841.50	-8.90	-33.50	-0.73	2.15	21.72	38.45	H



**LTE Band 26(824MHz-849MHz)\_1.4MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-8.65	-33.60	-0.79	2.15	22.01	38.45	V
836.50	-8.88	-33.50	-0.74	2.15	21.73	38.45	V
848.30	-8.68	-33.50	-0.73	2.15	21.93	38.45	V

**LTE Band 26(824MHz-849MHz)\_3MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-8.73	-33.60	-0.79	2.15	21.93	38.45	V
836.50	-8.94	-33.50	-0.74	2.15	21.67	38.45	V
847.50	-8.75	-33.50	-0.73	2.15	21.86	38.45	V

**LTE Band 26(824MHz-849MHz)\_5MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-8.82	-33.60	-0.79	2.15	21.83	38.45	V
836.50	-9.04	-33.50	-0.74	2.15	21.57	38.45	V
846.50	-8.87	-33.50	-0.73	2.15	21.74	38.45	V

**LTE Band 26(824MHz-849MHz)\_10MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-8.87	-33.60	-0.79	2.15	21.78	38.45	V
836.50	-9.11	-33.50	-0.74	2.15	21.50	38.45	V
844.00	-8.94	-33.50	-0.73	2.15	21.68	38.45	V

**LTE Band 26(824MHz-849MHz)\_15MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-8.93	-33.60	-0.79	2.15	21.73	38.45	V
836.50	-9.18	-33.50	-0.74	2.15	21.43	38.45	V
841.50	-8.99	-33.50	-0.73	2.15	21.63	38.45	V

Peak ERP (dBm)=P<sub>Mea</sub>(-8.48dBm)-(P<sub>cl</sub>+P<sub>Ag</sub>)(-33.60dB)+G<sub>a</sub>(-0.79dB) -2.15 =22.18dBm



**Antenna Down**

**LTE band 26(824MHz-849MHz)- ERP Part 22.913(a)**

Limits: ≤38.45dBm (7W)

**LTE Band 26(824MHz-849MHz)\_1.4MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
<b>824.70</b>	<b>-10.22</b>	<b>-33.60</b>	<b>-0.79</b>	<b>2.15</b>	<b>20.44</b>	<b>38.45</b>	<b>V</b>
836.50	-10.41	-33.50	-0.74	2.15	20.21	38.45	V
848.30	-10.59	-33.50	-0.73	2.15	20.03	38.45	V

**LTE Band 26(824MHz-849MHz)\_3MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-10.30	-33.60	-0.79	2.15	20.36	38.45	V
836.50	-10.47	-33.50	-0.74	2.15	20.14	38.45	V
847.50	-10.65	-33.50	-0.73	2.15	19.97	38.45	V

**LTE Band 26(824MHz-849MHz)\_5MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-10.35	-33.60	-0.79	2.15	20.31	38.45	V
836.50	-10.52	-33.50	-0.74	2.15	20.09	38.45	V
846.50	-10.70	-33.50	-0.73	2.15	19.92	38.45	V

**LTE Band 26(824MHz-849MHz)\_10MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-10.38	-33.60	-0.79	2.15	20.28	38.45	V
836.50	-10.59	-33.50	-0.74	2.15	20.02	38.45	V
844.00	-10.82	-33.50	-0.73	2.15	19.80	38.45	V

**LTE Band 26(824MHz-849MHz)\_15MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-10.43	-33.60	-0.79	2.15	20.23	38.45	V
836.50	-10.64	-33.50	-0.74	2.15	19.97	38.45	V
841.50	-10.86	-33.50	-0.73	2.15	19.76	38.45	V

**LTE Band 26(824MHz-849MHz)\_1.4MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-10.25	-33.60	-0.79	2.15	20.41	38.45	V
836.50	-10.43	-33.50	-0.74	2.15	20.18	38.45	V
848.30	-10.66	-33.50	-0.73	2.15	19.96	38.45	V

**LTE Band 26(824MHz-849MHz)\_3MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	172.34	-33.60	-0.79	2.15	20.30	38.45	V
836.50	-10.48	-33.50	-0.74	2.15	20.13	38.45	V
847.50	-10.72	-33.50	-0.73	2.15	19.90	38.45	V

**LTE Band 26(824MHz-849MHz)\_5MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-10.43	-33.60	-0.79	2.15	20.23	38.45	V
836.50	-10.54	-33.50	-0.74	2.15	20.07	38.45	V
846.50	-10.79	-33.50	-0.73	2.15	19.83	38.45	V

**LTE Band 26(824MHz-849MHz)\_10MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-10.49	-33.60	-0.79	2.15	20.17	38.45	V
836.50	-10.65	-33.50	-0.74	2.15	19.96	38.45	V
844.00	-10.89	-33.50	-0.73	2.15	19.73	38.45	V

**LTE Band 26(824MHz-849MHz)\_15MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-10.56	-33.60	-0.79	2.15	20.10	38.45	V
836.50	-10.71	-33.50	-0.74	2.15	19.90	38.45	V
841.50	-10.93	-33.50	-0.73	2.15	19.69	38.45	V



**LTE Band 26(824MHz-849MHz)\_1.4MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
824.70	-10.29	-33.60	-0.79	2.15	20.37	38.45	V
836.50	-10.46	-33.50	-0.74	2.15	20.15	38.45	V
848.30	-10.70	-33.50	-0.73	2.15	19.92	38.45	V

**LTE Band 26(824MHz-849MHz)\_3MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
825.50	-10.35	-33.60	-0.79	2.15	20.31	38.45	V
836.50	-10.49	-33.50	-0.74	2.15	20.12	38.45	V
847.50	-10.76	-33.50	-0.73	2.15	19.86	38.45	V

**LTE Band 26(824MHz-849MHz)\_5MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
826.50	-10.43	-33.60	-0.79	2.15	20.23	38.45	V
836.50	-10.55	-33.50	-0.74	2.15	20.06	38.45	V
846.50	-10.81	-33.50	-0.73	2.15	19.81	38.45	V

**LTE Band 26(824MHz-849MHz)\_10MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
829.00	-10.49	-33.60	-0.79	2.15	20.17	38.45	V
836.50	-10.66	-33.50	-0.74	2.15	19.95	38.45	V
844.00	-10.89	-33.50	-0.73	2.15	19.73	38.45	V
824.70	-10.22	-33.60	-0.79	2.15	20.44	38.45	V

**LTE Band 26(824MHz-849MHz)\_15MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
831.50	-10.57	-33.60	-0.79	2.15	20.09	38.45	V
836.50	-10.74	-33.50	-0.74	2.15	19.87	38.45	V
841.50	-10.95	-33.50	-0.73	2.15	19.67	38.45	V

Peak ERP (dBm)=P<sub>Mea</sub>(-10.22dBm)-(P<sub>d</sub>+P<sub>Ag</sub>)(-33.60dB)+G<sub>a</sub>(-0.79dB) -2.15 =20.44dBm



**Antenna Up**

**LTE band 26(814MHz-824MHz)- ERP Part 90.635(b)**

Limits: ≤50.00dBm (100W)

**LTE Band 26(814MHz-824MHz)\_1.4MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
<b>814.70</b>	<b>-9.05</b>	<b>-33.70</b>	<b>-0.80</b>	<b>2.15</b>	<b>21.70</b>	<b>50.00</b>	<b>V</b>
819.00	-9.97	-33.60	-0.75	2.15	20.74	50.00	V
823.30	-9.96	-33.60	-0.79	2.15	20.70	50.00	V

**LTE Band 26(814MHz-824MHz)\_3MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-9.18	-33.70	-0.80	2.15	21.57	50.00	V
819.00	-10.06	-33.60	-0.75	2.15	20.64	50.00	V
822.50	-10.06	-33.60	-0.79	2.15	20.60	50.00	V

**LTE Band 26(814MHz-824MHz)\_5MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-9.25	-33.70	-0.80	2.15	21.50	50.00	V
819.00	-10.13	-33.60	-0.75	2.15	20.57	50.00	V
821.50	-10.07	-33.60	-0.79	2.15	20.59	50.00	V

**LTE Band 26(814MHz-824MHz)\_10MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-9.24	-33.60	-0.80	2.15	21.41	50.00	V
819.00	-10.20	-33.60	-0.75	2.15	20.50	50.00	V
819.00	-10.13	-33.60	-0.79	2.15	20.53	50.00	V



**LTE Band 26(814MHz-824MHz)\_1.4MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-9.13	-33.70	-0.80	2.15	21.62	50.00	V
819.00	-10.01	-33.60	-0.75	2.15	20.69	50.00	V
823.30	-10.02	-33.60	-0.79	2.15	20.64	50.00	V

**LTE Band 26(814MHz-824MHz)\_3MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-9.21	-33.70	-0.80	2.15	21.54	50.00	V
819.00	-10.09	-33.60	-0.75	2.15	20.61	50.00	V
822.50	-10.07	-33.60	-0.79	2.15	20.59	50.00	V

**LTE Band 26(814MHz-824MHz)\_5MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-9.24	-33.70	-0.80	2.15	21.51	50.00	V
819.00	-10.17	-33.60	-0.75	2.15	20.53	50.00	V
821.50	-10.16	-33.60	-0.79	2.15	20.49	50.00	V

**LTE Band 26(814MHz-824MHz)\_10MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-9.22	-33.60	-0.80	2.15	21.43	50.00	V
819.00	-10.26	-33.60	-0.75	2.15	20.44	50.00	V
819.00	-10.22	-33.60	-0.79	2.15	20.44	50.00	V



**LTE Band 26(814MHz-824MHz)\_1.4MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-9.20	-33.70	-0.80	2.15	21.55	50.00	V
819.00	-10.07	-33.60	-0.75	2.15	20.63	50.00	V
823.30	-10.10	-33.60	-0.79	2.15	20.56	50.00	V

**LTE Band 26(814MHz-824MHz)\_3MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-9.33	-33.70	-0.80	2.15	21.42	50.00	V
819.00	-10.19	-33.60	-0.75	2.15	20.51	50.00	V
822.50	-10.17	-33.60	-0.79	2.15	20.49	50.00	V

**LTE Band 26(814MHz-824MHz)\_5MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-9.37	-33.70	-0.80	2.15	21.38	50.00	V
819.00	-10.27	-33.60	-0.75	2.15	20.43	50.00	V
821.50	-10.27	-33.60	-0.79	2.15	20.39	50.00	V

**LTE Band 26(814MHz-824MHz)\_10MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-9.35	-33.60	-0.80	2.15	21.30	50.00	V
819.00	-10.37	-33.60	-0.75	2.15	20.33	50.00	V
819.00	-10.36	-33.60	-0.79	2.15	20.30	50.00	V

Peak ERP (dBm)=P<sub>Mea</sub>(-9.05dBm)-(P<sub>cl</sub>+P<sub>Ag</sub>)(-33.70dB)+G<sub>a</sub>(-0.80dB) -2.15=21.70dBm

**Antenna Down****LTE band 26(814MHz-824MHz)- ERP Part 90.635(b)**

Limits: ≤50.00dBm (100W)

**LTE Band 26(814MHz-824MHz)\_1.4MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
<b>814.70</b>	<b>-10.43</b>	<b>-33.70</b>	<b>-0.80</b>	<b>2.15</b>	<b>20.32</b>	<b>50.00</b>	<b>V</b>
819.00	-10.53	-33.60	-0.75	2.15	20.18	50.00	V
823.30	-10.68	-33.60	-0.79	2.15	19.98	50.00	V

**LTE Band 26(814MHz-824MHz)\_3MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-10.48	-33.70	-0.80	2.15	20.27	50.00	V
819.00	-10.56	-33.60	-0.75	2.15	20.14	50.00	V
822.50	-10.74	-33.60	-0.79	2.15	19.92	50.00	V

**LTE Band 26(814MHz-824MHz)\_5MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-10.55	-33.70	-0.80	2.15	20.20	50.00	V
819.00	-10.62	-33.60	-0.75	2.15	20.08	50.00	V
821.50	-10.78	-33.60	-0.79	2.15	19.87	50.00	V

**LTE Band 26(814MHz-824MHz)\_10MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-10.52	-33.60	-0.80	2.15	20.13	50.00	V
819.00	-10.68	-33.60	-0.75	2.15	20.02	50.00	V
819.00	-10.84	-33.60	-0.79	2.15	19.82	50.00	V



**LTE Band 26(814MHz-824MHz)\_1.4MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-10.46	-33.70	-0.80	2.15	20.29	50.00	V
819.00	-10.56	-33.60	-0.75	2.15	20.14	50.00	V
823.30	-10.72	-33.60	-0.79	2.15	19.94	50.00	V

**LTE Band 26(814MHz-824MHz)\_3MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-10.52	-33.70	-0.80	2.15	20.23	50.00	V
819.00	-10.59	-33.60	-0.75	2.15	20.11	50.00	V
822.50	-10.79	-33.60	-0.79	2.15	19.87	50.00	V

**LTE Band 26(814MHz-824MHz)\_5MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-10.57	-33.70	-0.80	2.15	20.18	50.00	V
819.00	-10.64	-33.60	-0.75	2.15	20.06	50.00	V
821.50	-10.86	-33.60	-0.79	2.15	19.80	50.00	V

**LTE Band 26(814MHz-824MHz)\_10MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-10.55	-33.60	-0.80	2.15	20.10	50.00	V
819.00	-10.73	-33.60	-0.75	2.15	19.97	50.00	V
819.00	-10.93	-33.60	-0.79	2.15	19.73	50.00	V



**LTE Band 26(814MHz-824MHz)\_1.4MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
814.70	-10.49	-33.70	-0.80	2.15	20.26	50.00	V
819.00	-10.57	-33.60	-0.75	2.15	20.13	50.00	V
823.30	-10.75	-33.60	-0.79	2.15	19.91	50.00	V

**LTE Band 26(814MHz-824MHz)\_3MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
815.50	-10.55	-33.70	-0.80	2.15	20.20	50.00	V
819.00	-10.62	-33.60	-0.75	2.15	20.08	50.00	V
822.50	-10.84	-33.60	-0.79	2.15	19.82	50.00	V

**LTE Band 26(814MHz-824MHz)\_5MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
816.50	-10.64	-33.70	-0.80	2.15	20.11	50.00	V
819.00	-10.74	-33.60	-0.75	2.15	19.96	50.00	V
821.50	-10.92	-33.60	-0.79	2.15	19.74	50.00	V
814.70	-10.43	-33.70	-0.80	2.15	20.32	50.00	V

**LTE Band 26(814MHz-824MHz)\_10MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>d</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	Correction (dB)	ERP(dBm)	Limit(dBm)	Polarization
819.00	-10.58	-33.60	-0.80	2.15	20.07	50.00	V
819.00	-10.83	-33.60	-0.75	2.15	19.87	50.00	V
819.00	-10.97	-33.60	-0.79	2.15	19.69	50.00	V

Peak ERP (dBm)=P<sub>Mea</sub>(-10.43dBm)-(P<sub>d</sub>+P<sub>Ag</sub>)(-33.70dB)+G<sub>a</sub>(-0.80dB) -2.15=20.32dBm

**Antenna Up****LTE Band 38 - EIRP Part 27.50(h)(2)**Limits:  $\leq 33\text{dBm}$  (2W)**LTE Band 38\_5MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2572.50	-16.88	-28.60	10.70	22.42	33.00	H
2595.00	-16.74	-28.60	10.70	22.56	33.00	H
2617.50	-16.67	-28.60	10.70	22.63	33.00	H

**LTE Band 38\_10MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2575.00	-16.65	-28.60	10.70	22.65	33.00	H
2595.00	-16.78	-28.60	10.70	22.52	33.00	H
2615.00	-16.72	-28.60	10.70	22.58	33.00	H

**LTE Band 38\_15MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	-16.71	-28.60	10.70	22.59	33.00	H
2595.00	-16.84	-28.60	10.70	22.46	33.00	H
2612.50	-16.76	-28.60	10.70	22.54	33.00	H

**LTE Band 38\_20MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	-16.75	-28.60	10.70	22.55	33.00	H
2595.00	-16.92	-28.60	10.70	22.38	33.00	H
2610.00	-16.80	-28.60	10.70	22.50	33.00	H

**LTE Band 38\_5MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
<b>2572.50</b>	<b>-16.62</b>	<b>-28.60</b>	<b>10.70</b>	<b>22.68</b>	<b>33.00</b>	<b>H</b>
2595.00	-16.77	-28.60	10.70	22.53	33.00	H
2617.50	-16.72	-28.60	10.70	22.58	33.00	H

**LTE Band 38\_10MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2575.00	-16.65	-28.60	10.70	22.65	33.00	H
2595.00	-16.81	-28.60	10.70	22.49	33.00	H
2615.00	-16.76	-28.60	10.70	22.54	33.00	H

**LTE Band 38\_15MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	-16.72	-28.60	10.70	22.58	33.00	H
2595.00	-16.86	-28.60	10.70	22.44	33.00	H
2612.50	-16.81	-28.60	10.70	22.49	33.00	H

**LTE Band 38\_20MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	-16.76	-28.60	10.70	22.54	33.00	H
2595.00	-16.93	-28.60	10.70	22.37	33.00	H
2610.00	-16.86	-28.60	10.70	22.44	33.00	H



**LTE Band 38\_5MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2572.50	-16.66	-28.60	10.70	22.64	33.00	H
2595.00	-16.81	-28.60	10.70	22.49	33.00	H
2617.50	-16.76	-28.60	10.70	22.54	33.00	H

**LTE Band 38\_10MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2575.00	-16.72	-28.60	10.70	22.58	33.00	H
2595.00	-16.86	-28.60	10.70	22.44	33.00	H
2615.00	-16.83	-28.60	10.70	22.47	33.00	H

**LTE Band 38\_15MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	-16.76	-28.60	10.70	22.54	33.00	H
2595.00	-16.93	-28.60	10.70	22.37	33.00	H
2612.50	-16.86	-28.60	10.70	22.44	33.00	H

**LTE Band 38\_20MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	-16.80	-28.60	10.70	22.50	33.00	H
2595.00	-16.96	-28.60	10.70	22.34	33.00	H
2610.00	-16.94	-28.60	10.70	22.36	33.00	H

Peak EIRP (dBm)=P<sub>Mea</sub>(-16.62dBm)-(P<sub>cl</sub>+P<sub>Ag</sub>) (-28.60dB)+G<sub>a</sub>(10.70dB) =22.68dBm



**Antenna Down****LTE Band 38 - EIRP Part 27.50(h)(2)**Limits:  $\leq 33\text{dBm}$  (2W)**LTE Band 38\_5MHz\_QPSK**

Frequency(MHz)	$P_{\text{Mea}}$ (dBm)	$P_{\text{cl}}$ (dB)+ $P_{\text{Ag}}$ (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
<b>2572.50</b>	<b>-16.47</b>	<b>-28.60</b>	<b>10.70</b>	<b>22.83</b>	<b>33.00</b>	<b>H</b>
2595.00	-16.59	-28.60	10.70	22.71	33.00	H
2617.50	-16.79	-28.60	10.70	22.51	33.00	H

**LTE Band 38\_10MHz\_QPSK**

Frequency(MHz)	$P_{\text{Mea}}$ (dBm)	$P_{\text{cl}}$ (dB)+ $P_{\text{Ag}}$ (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2575.00	-16.52	-28.60	10.70	22.78	33.00	H
2595.00	-16.64	-28.60	10.70	22.66	33.00	H
2615.00	-16.83	-28.60	10.70	22.47	33.00	H

**LTE Band 38\_15MHz\_QPSK**

Frequency(MHz)	$P_{\text{Mea}}$ (dBm)	$P_{\text{cl}}$ (dB)+ $P_{\text{Ag}}$ (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	-16.56	-28.60	10.70	22.74	33.00	H
2595.00	-16.68	-28.60	10.70	22.62	33.00	H
2612.50	-16.89	-28.60	10.70	22.41	33.00	H

**LTE Band 38\_20MHz\_QPSK**

Frequency(MHz)	$P_{\text{Mea}}$ (dBm)	$P_{\text{cl}}$ (dB)+ $P_{\text{Ag}}$ (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	-16.62	-28.60	10.70	22.68	33.00	H
2595.00	-16.75	-28.60	10.70	22.55	33.00	H
2610.00	-16.96	-28.60	10.70	22.34	33.00	H

**LTE Band 38\_5MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2572.50	-16.53	-28.60	10.70	22.77	33.00	H
2595.00	-16.63	-28.60	10.70	22.67	33.00	H
2617.50	-16.84	-28.60	10.70	22.46	33.00	H

**LTE Band 38\_10MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2575.00	-16.62	-28.60	10.70	22.68	33.00	H
2595.00	-16.71	-28.60	10.70	22.59	33.00	H
2615.00	-16.90	-28.60	10.70	22.40	33.00	H

**LTE Band 38\_15MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	-16.66	-28.60	10.70	22.64	33.00	H
2595.00	-16.75	-28.60	10.70	22.55	33.00	H
2612.50	-16.94	-28.60	10.70	22.36	33.00	H

**LTE Band 38\_20MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	-16.72	-28.60	10.70	22.58	33.00	H
2595.00	-16.79	-28.60	10.70	22.51	33.00	H
2610.00	-16.98	-28.60	10.70	22.32	33.00	H



**LTE Band 38\_5MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2572.50	-16.58	-28.60	10.70	22.72	33.00	H
2595.00	-16.68	-28.60	10.70	22.62	33.00	H
2617.50	-16.89	-28.60	10.70	22.41	33.00	H

**LTE Band 38\_10MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2575.00	-16.63	-28.60	10.70	22.67	33.00	H
2595.00	-16.74	-28.60	10.70	22.56	33.00	H
2615.00	-16.96	-28.60	10.70	22.34	33.00	H

**LTE Band 38\_15MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2577.50	-16.72	-28.60	10.70	22.58	33.00	H
2595.00	-16.81	-28.60	10.70	22.49	33.00	H
2612.50	-17.01	-28.60	10.70	22.29	33.00	H

**LTE Band 38\_20MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2580.00	-16.79	-28.60	10.70	22.51	33.00	H
2595.00	-16.86	-28.60	10.70	22.44	33.00	H
2610.00	-17.04	-28.60	10.70	22.26	33.00	H

Peak EIRP (dBm)=P<sub>Mea</sub>(-16.47dBm)-(P<sub>cl</sub>+P<sub>Ag</sub>) (-28.60dB)+G<sub>a</sub>(10.70dB) =22.83dBm

**Antenna Up****LTE Band 41- EIRP Part 27.50(d)(2)**Limits:  $\leq 33\text{dBm}$  (2W)**LTE Band 41\_5MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-18.09	-28.70	10.70	21.31	33.00	H
2593.00	-17.40	-28.60	10.70	21.90	33.00	H
2687.50	-17.25	-28.50	10.70	21.95	33.00	H

**LTE Band 41\_10MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-18.17	-28.70	10.70	21.23	33.00	H
2593.00	-17.45	-28.60	10.70	21.85	33.00	H
2685.00	-17.30	-28.50	10.70	21.90	33.00	H

**LTE Band 41\_15MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
<b>2503.50</b>	<b>-17.27</b>	<b>-28.70</b>	<b>10.70</b>	<b>22.13</b>	<b>33.00</b>	<b>H</b>
2593.00	-17.52	-28.60	10.70	21.78	33.00	H
2682.50	-17.37	-28.50	10.70	21.83	33.00	H

**LTE Band 41\_20MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-17.35	-28.70	10.70	22.05	33.00	H
2593.00	-17.62	-28.60	10.70	21.68	33.00	H
2680.00	-17.43	-28.50	10.70	21.77	33.00	H

**LTE Band 41\_5MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-18.15	-28.70	10.70	21.25	33.00	H
2593.00	-17.45	-28.60	10.70	21.85	33.00	H
2687.50	-17.32	-28.50	10.70	21.88	33.00	H

**LTE Band 41\_10MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-18.24	-28.70	10.70	21.16	33.00	H
2593.00	-17.47	-28.60	10.70	21.83	33.00	H
2685.00	-17.33	-28.50	10.70	21.87	33.00	H

**LTE Band 41\_15MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	-17.36	-28.70	10.70	22.04	33.00	H
2593.00	-17.55	-28.60	10.70	21.75	33.00	H
2682.50	-17.36	-28.50	10.70	21.84	33.00	H

**LTE Band 41\_20MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-17.44	-28.70	10.70	21.96	33.00	H
2593.00	-17.65	-28.60	10.70	21.65	33.00	H
2680.00	-17.44	-28.50	10.70	21.76	33.00	H



**LTE Band 41\_5MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-17.46	-28.70	10.70	21.94	33.00	H
2593.00	-17.49	-28.60	10.70	21.81	33.00	H
2687.50	-17.34	-28.50	10.70	21.86	33.00	H

**LTE Band 41\_10MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-17.27	-28.70	10.70	22.13	33.00	H
2593.00	-17.61	-28.60	10.70	21.69	33.00	H
2685.00	-17.38	-28.50	10.70	21.82	33.00	H

**LTE Band 41\_15MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	-17.44	-28.70	10.70	21.96	33.00	H
2593.00	-17.72	-28.60	10.70	21.58	33.00	H
2682.50	-17.44	-28.50	10.70	21.76	33.00	H

**LTE Band 41\_20MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-17.50	-28.70	10.70	21.90	33.00	H
2593.00	-17.82	-28.60	10.70	21.48	33.00	H
2680.00	-17.52	-28.50	10.70	21.68	33.00	H

Peak EIRP (dBm)=P<sub>Mea</sub>(-17.27dBm)-(P<sub>cl</sub>+P<sub>Ag</sub>) (-28.70dB)+G<sub>a</sub>(10.70dB) =22.13dBm

**Antenna Down****LTE Band 41- EIRP Part 27.50(d)(2)**Limits:  $\leq 33\text{dBm}$  (2W)**LTE Band 41\_5MHz\_QPSK**

Frequency(MHz)	$P_{\text{Mea}}$ (dBm)	$P_{\text{cl}}(\text{dB}) + P_{\text{Ag}}(\text{dB})$	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-17.85	-28.70	10.70	21.55	33.00	H
2593.00	-17.47	-28.60	10.70	21.83	33.00	H
2687.50	-17.91	-28.50	10.70	21.29	33.00	H

**LTE Band 41\_10MHz\_QPSK**

Frequency(MHz)	$P_{\text{Mea}}$ (dBm)	$P_{\text{cl}}(\text{dB}) + P_{\text{Ag}}(\text{dB})$	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-17.88	-28.70	10.70	21.52	33.00	H
2593.00	-17.53	-28.60	10.70	21.77	33.00	H
2685.00	-18.00	-28.50	10.70	21.20	33.00	H

**LTE Band 41\_15MHz\_QPSK**

Frequency(MHz)	$P_{\text{Mea}}$ (dBm)	$P_{\text{cl}}(\text{dB}) + P_{\text{Ag}}(\text{dB})$	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	-17.93	-28.70	10.70	21.47	33.00	H
2593.00	-17.58	-28.60	10.70	21.72	33.00	H
2682.50	-18.04	-28.50	10.70	21.16	33.00	H

**LTE Band 41\_20MHz\_QPSK**

Frequency(MHz)	$P_{\text{Mea}}$ (dBm)	$P_{\text{cl}}(\text{dB}) + P_{\text{Ag}}(\text{dB})$	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-17.98	-28.70	10.70	21.42	33.00	H
2593.00	-17.63	-28.60	10.70	21.67	33.00	H
2680.00	-17.28	-28.50	10.70	21.92	33.00	H

**LTE Band 41\_5MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-17.89	-28.70	10.70	21.51	33.00	H
2593.00	-17.51	-28.60	10.70	21.79	33.00	H
2687.50	-17.94	-28.50	10.70	21.26	33.00	H

**LTE Band 41\_10MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-17.94	-28.70	10.70	21.46	33.00	H
2593.00	-17.63	-28.60	10.70	21.67	33.00	H
2685.00	-18.01	-28.50	10.70	21.19	33.00	H

**LTE Band 41\_15MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	-18.02	-28.70	10.70	21.38	33.00	H
2593.00	-17.72	-28.60	10.70	21.58	33.00	H
<b>2682.50</b>	<b>-17.12</b>	<b>-28.50</b>	<b>10.70</b>	<b>22.08</b>	<b>33.00</b>	<b>H</b>

**LTE Band 41\_20MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-18.08	-28.70	10.70	21.32	33.00	H
2593.00	-17.81	-28.60	10.70	21.49	33.00	H
2680.00	-17.18	-28.50	10.70	22.02	33.00	H





**LTE Band 41\_5MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2498.50	-17.94	-28.70	10.70	21.46	33.00	H
2593.00	-17.56	-28.60	10.70	21.74	33.00	H
2687.50	-17.96	-28.50	10.70	21.24	33.00	H

**LTE Band 41\_10MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2501.00	-18.01	-28.70	10.70	21.39	33.00	H
2593.00	-17.62	-28.60	10.70	21.68	33.00	H
2685.00	-18.03	-28.50	10.70	21.17	33.00	H

**LTE Band 41\_15MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2503.50	-18.11	-28.70	10.70	21.29	33.00	H
2593.00	-17.72	-28.60	10.70	21.58	33.00	H
2682.50	-17.13	-28.50	10.70	22.07	33.00	H

**LTE Band 41\_20MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>cl</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
2506.00	-18.20	-28.70	10.70	21.20	33.00	H
2593.00	-17.78	-28.60	10.70	21.52	33.00	H
2680.00	-17.24	-28.50	10.70	21.96	33.00	H

Peak EIRP (dBm)=P<sub>Mea</sub>(-17.12dBm)-(P<sub>cl</sub>+P<sub>Ag</sub>) (-28.50dB)+G<sub>a</sub>(10.70dB) =22.08dBm

**Antenna Up****LTE Band 66- EIRP Part 27.50(d)(4)**

Limits: ≤30dBm (1W)

**LTE Band 66\_1.4MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>c</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-16.30	-29.60	8.10	21.40	30.00	H
1745.00	-16.42	-29.50	8.10	21.18	30.00	H
1779.30	-15.56	-29.50	8.10	22.04	30.00	H

**LTE Band 66\_3MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>c</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-16.37	-29.60	8.10	21.33	30.00	H
<b>1745.00</b>	<b>-15.48</b>	<b>-29.50</b>	<b>8.10</b>	<b>22.12</b>	<b>30.00</b>	<b>H</b>
1778.50	-15.63	-29.50	8.10	21.97	30.00	H

**LTE Band 66\_5MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>c</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-16.41	-29.60	8.10	21.29	30.00	H
1745.00	-15.85	-29.50	8.10	21.75	30.00	H
1777.50	-15.67	-29.50	8.10	21.93	30.00	H

**LTE Band 66\_10MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>c</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-16.48	-29.60	8.10	21.22	30.00	H
1745.00	-15.64	-29.50	8.10	21.96	30.00	H
1775.00	-15.75	-29.50	8.10	21.85	30.00	H

**LTE Band 66\_15MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>c</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-16.53	-29.60	8.10	21.17	30.00	H
1745.00	-15.71	-29.50	8.10	21.89	30.00	H
1772.53	-15.82	-29.50	8.10	21.78	30.00	H

**LTE Band 66\_20MHz\_QPSK**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>c</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-15.81	-29.60	8.10	21.89	30.00	H
1745.00	-15.77	-29.50	8.10	21.83	30.00	H
1770.00	-15.88	-29.50	8.10	21.72	30.00	H

**LTE Band 66\_1.4MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-16.42	-29.60	8.10	21.28	30.00	H
1745.00	-15.47	-29.50	8.10	22.12	30.00	H
1779.30	-15.66	-29.50	8.10	21.94	30.00	H

**LTE Band 66\_3MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-16.54	-29.60	8.10	21.16	30.00	H
1745.00	-15.54	-29.50	8.10	22.06	30.00	H
1778.50	-15.72	-29.50	8.10	21.88	30.00	H

**LTE Band 66\_5MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-15.63	-29.60	8.10	22.07	30.00	H
1745.00	-15.62	-29.50	8.10	21.98	30.00	H
1777.50	-15.78	-29.50	8.10	21.82	30.00	H

**LTE Band 66\_10MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-15.69	-29.60	8.10	22.01	30.00	H
1745.00	-16.32	-29.50	8.10	21.28	30.00	H
1775.00	-15.84	-29.50	8.10	21.76	30.00	H

**LTE Band 66\_15MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-15.68	-29.60	8.10	22.02	30.00	H
1745.00	-15.83	-29.50	8.10	21.77	30.00	H
1772.53	-15.87	-29.50	8.10	21.73	30.00	H

**LTE Band 66\_20MHz\_16QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-15.74	-29.60	8.10	21.96	30.00	H
1745.00	-15.91	-29.50	8.10	21.69	30.00	H
1770.00	-15.94	-29.50	8.10	21.66	30.00	H



**LTE Band 66\_1.4MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1710.70	-16.48	-29.60	8.10	21.22	30.00	H
1745.00	-15.53	-29.50	8.10	22.07	30.00	H
1779.30	-15.71	-29.50	8.10	21.89	30.00	H

**LTE Band 66\_3MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1711.50	-15.57	-29.60	8.10	22.13	30.00	H
1745.00	-15.61	-29.50	8.10	21.99	30.00	H
1778.50	-15.76	-29.50	8.10	21.84	30.00	H

**LTE Band 66\_5MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1712.50	-15.67	-29.60	8.10	22.03	30.00	H
1745.00	-15.68	-29.50	8.10	21.92	30.00	H
1777.50	-15.83	-29.50	8.10	21.77	30.00	H

**LTE Band 66\_10MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1715.00	-15.84	-29.60	8.10	21.86	30.00	H
1745.00	-15.74	-29.50	8.10	21.86	30.00	H
1775.00	-15.91	-29.50	8.10	21.69	30.00	H

**LTE Band 66\_15MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1717.50	-15.82	-29.60	8.10	21.88	30.00	H
1745.00	-15.82	-29.50	8.10	21.78	30.00	H
1772.53	-15.98	-29.50	8.10	21.62	30.00	H

**LTE Band 66\_20MHz\_64QAM**

Frequency(MHz)	P <sub>Mea</sub> (dBm)	P <sub>ci</sub> (dB)+ P <sub>Ag</sub> (dB)	Ga Antenna Gain(dBi)	EIRP(dBm)	Limit(dBm)	Polarization
1720.00	-15.88	-29.60	8.10	21.82	30.00	H
1745.00	-15.91	-29.50	8.10	21.69	30.00	H
1770.00	-16.04	-29.50	8.10	21.56	30.00	H

Peak EIRP (dBm)=P<sub>Mea</sub>(-15.48dBm)-(P<sub>ci</sub>+P<sub>Ag</sub>)(-29.50dB)+G<sub>a</sub>(8.10dB) =22.12dBm