

USA FCC Standalone MPE

FCC 1.1310

	Antenna					Distance D	PD	Limit	Margin
	Frequency	Power	Gain	EIRP	EIRP				
	MHz	dBm	dBi	dBm	mW	cm	mW/m^2	mW/cm^2	dB
2.4 GHz	2437	21.75	14	35.75	3758	35	0.24	1.00	6.12
U-NII-1	5240	14.24	9.2	23.44	221	35	0.014	1.00	18.4
U-NII-2A	5260	11.44	9.2	20.64	116	35	0.0075	1.00	21.2
U-NII-2C	5580	12.73	9.2	21.93	156	35	0.010	1.00	19.9
U-NII-3	5785	14.46	9.2	23.66	232	35	0.015	1.00	18.2
$PD = EIRP / (4\pi r^2 D^2)$									

$$PD = EIRP / (4 \times \pi \times D^2)$$

Canada ISED Standalone MPE

CANADA RSS-102 30 MHz to 6 GHz

	Antenna									
	Frequency	Power	Gain	EIRP	EIRP	Distance D	PD	PD	Limit	Margin
	MHz	dBm	dBi	dBm	mW	cm	mW/m^2	W/m^2	PD W/m^2	dB
2.4 GHz	2437	21.75	14	35.75	3758	35	0.24	2.4	5.40	3.45
U-NII-1	5240	14.24	6	20.24	106	35	0.0069	0.069	9.12	21.2
U-NII-2A	5320	11.40	6	17.40	55	35	0.0036	0.036	9.21	24.1
U-NII-2C	5580	12.73	6	18.73	75	35	0.0048	0.048	9.52	22.9
U-NII-3	5785	14.46	6	20.46	111	35	0.0072	0.072	9.76	21.3
PD=EIRP/(4xπxD²)										

$$PD = EIRP / (4 \times \pi \times D^2)$$

USA FCC Co-location with FCC ID: N7NMC7355

NOTE: WWAN PD @ 35 cm = WWAN PD @ 20 cm X $(20 / 35)^2$

	850 MHz				1900 MHz				
	WLAN PD	WLAN Limit	WLAN /	WWAN PD	WWAN Limit	WWAN /	WLAN +		
	mW/m^2	mW/m^2	Limit	@ 35 cm*	mW/m^2	Limit	WWAN	Limit	Pass / Fail
2.4 GHz	0.24	1.00	0.24	0.065	0.549	0.12	0.36	1	Pass
U-NII-1	0.014	1.00	0.014	0.065	0.549	0.12	0.13	1	Pass
U-NII-2A	0.0075	1.00	0.0075	0.065	0.549	0.12	0.13	1	Pass
U-NII-2C	0.010	1.00	0.010	0.065	0.549	0.12	0.13	1	Pass
U-NII-3	0.015	1.00	0.015	0.065	0.549	0.12	0.13	1	Pass

				1900 MHz					
	WLAN PD	WLAN Limit		WWAN PD					
			WLAN /	@ 35 cm	WWAN Limit		WWAN /	WLAN +	
	mW/m^2	mW/m^2	Limit	mW/m^2	mW/m^2	Limit	WWAN	Limit	Pass / Fail
2.4 GHz	0.24	1.00	0.24	0.041	1.00	0.041	0.29	1	Pass
U-NII-1	0.014	1.00	0.014	0.041	1.00	0.041	0.055	1	Pass
U-NII-2A	0.0075	1.00	0.0075	0.041	1.00	0.041	0.049	1	Pass
U-NII-2C	0.010	1.00	0.010	0.041	1.00	0.041	0.051	1	Pass
U-NII-3	0.015	1.00	0.015	0.041	1.00	0.041	0.056	1	Pass

				700 MHz					
	WLAN PD	WLAN Limit		WWAN PD					
			WLAN /	@ 35 cm	WWAN Limit				
	mW/m^2	mW/m^2	Limit	mW/m^2	mW/m^2	Limit	WWAN +	Limit	Pass / Fail
2.4 GHz	0.24	1.00	0.24	0.065	0.469	0.14	0.38	1	Pass
U-NII-1	0.014	1.00	0.014	0.065	0.469	0.14	0.15	1	Pass
U-NII-2A	0.0075	1.00	0.0075	0.065	0.469	0.14	0.15	1	Pass
U-NII-2C	0.010	1.00	0.010	0.065	0.469	0.14	0.15	1	Pass
U-NII-3	0.015	1.00	0.015	0.065	0.469	0.14	0.15	1	Pass

	1700 MHz								
	WLAN PD	WLAN Limit	WWAN PD @ 35 cm		WWAN Limit				
	mW/m^2	mW/m^2	WLAN / Limit	mW/m^2	mW/m^2	WWAN / Limit	WLAN + WWAN	Limit	Pass / Fail
2.4 GHz	0.24	1.00	0.24	0.065	1.00	0.065	0.31	1	Pass
U-NII-1	0.014	1.00	0.014	0.065	1.00	0.065	0.079	1	Pass
U-NII-2A	0.0075	1.00	0.0075	0.065	1.00	0.065	0.073	1	Pass
U-NII-2C	0.010	1.00	0.010	0.065	1.00	0.065	0.075	1	Pass
U-NII-3	0.015	1.00	0.015	0.065	1.00	0.065	0.080	1	Pass

Canada ISED Co-location with IC: 2417C-MC7355

NOTE: WWAN PD @ 35 cm = [WWAN PD @ 20 cm X (20 / 35)²] X 10

				850 MHz					
	WLAN PD	WLAN Limit		WWAN PD					
			WLAN /	@ 35 cm	WWAN Limit				
	W/m^2	W/m^2	Limit	W/m^2	W/m^2	Limit	WWAN	Limit	Pass / Fail
2.4 GHz	2.4	5.40	0.45	0.65	2.58	0.25	0.70	1	Pass
U-NII-1	0.069	9.12	0.0075	0.65	2.58	0.25	0.26	1	Pass
U-NII-2A	0.036	9.21	0.0039	0.65	2.58	0.25	0.25	1	Pass
U-NII-2C	0.048	9.52	0.0051	0.65	2.58	0.25	0.26	1	Pass
U-NII-3	0.072	9.76	0.0074	0.65	2.58	0.25	0.26	1	Pass

1900 MHz		1900 MHz		1900 MHz		1900 MHz		1900 MHz	
WLAN PD	WLAN Limit	WLAN / @ 35 cm	WLAN Limit	WWAN PD	WWAN Limit	WWAN / @ 35 cm	WWAN Limit	WLAN + WWAN	Limit
W/m^2	W/m^2	Limit	W/m^2	W/m^2	W/m^2	Limit	W/m^2	Limit	Pass / Fail

2.4 GHz	2.4	5.40	0.45	0.41	4.48	0.09	0.54	1	Pass
U-NII-1	0.069	9.12	0.0075	0.41	4.48	0.09	0.10	1	Pass
U-NII-2A	0.036	9.21	0.0039	0.41	4.48	0.09	0.10	1	Pass
U-NII-2C	0.048	9.52	0.0051	0.41	4.48	0.09	0.10	1	Pass
U-NII-3	0.072	9.76	0.0074	0.41	4.48	0.09	0.10	1	Pass

	700 MHz WWAN PD @ 35 cm								
	WLAN PD	WLAN Limit	WLAN / Limit	WWAN Limit		WWAN / Limit	WLAN + WWAN	Limit	Pass / Fail
	W/m^2	W/m^2		W/m^2	W/m^2				
2.4 GHz	2.4	5.40	0.45	0.65	2.31	0.28	0.73	1	Pass
U-NII-1	0.069	9.12	0.0075	0.65	2.31	0.28	0.29	1	Pass
U-NII-2A	0.036	9.21	0.0039	0.65	2.31	0.28	0.28	1	Pass
U-NII-2C	0.048	9.52	0.0051	0.65	2.31	0.28	0.29	1	Pass
U-NII-3	0.072	9.76	0.0074	0.65	2.31	0.28	0.29	1	Pass

	1700 MHz WWAN PD @ 35 cm								
	WLAN PD	WLAN Limit	WLAN / Limit	WWAN Limit		WWAN / Limit	WLAN + WWAN	Limit	Pass / Fail
	W/m^2	W/m^2		W/m^2	W/m^2				
2.4 GHz	2.4	5.40	0.45	0.65	4.24	0.15	0.60	1	Pass
U-NII-1	0.069	9.12	0.0075	0.65	4.24	0.15	0.16	1	Pass
U-NII-2A	0.036	9.21	0.00387	0.65	4.24	0.15	0.16	1	Pass
U-NII-2C	0.048	9.52	0.0051	0.65	4.24	0.15	0.16	1	Pass
U-NII-3	0.072	9.76	0.0074	0.65	4.24	0.15	0.16	1	Pass