


FCC RF Exposure Report

FCC ID: VTV-T082RFBHS

Project No. : 1902T043
Equipment : Barcode Printer
Test Model : TDM-20
Series Model : DTE20, FNE20, CNE20, B-E20, LPE20, TDM-20(W),
TDM-20(D)
Applicant : TSC Auto ID Technology Co., Ltd.
Address : 9F., No. 95, Minquan Rd. Xindian Dist. New Taipei City
23141,
According: FCC Part 2, Subpart J (§2.1093)
KDB 447498 D01 General RF Exposure Guidance v06

Authorized Signatory

:


(Herbert Liu)

B T L I N C .

No.18, Ln. 171, Sec. 2, Jiuzong Rd.,
Neihu Dist., Taipei City 114, Taiwan (R.O.C.)
TEL: +886-2-2657-3299 FAX: +886-2-2657-3331



Appendix A

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table. The equation and threshold in 4.3.1 must be applied to determine SAR test exclusion.

MHz	5	10	15	20	25	mm
150	39	77	116	155	194	SAR Test Exclusion Threshold (mW)
300	27	55	82	110	137	
450	22	45	67	89	112	
835	16	33	49	66	82	
900	16	32	47	63	79	
1500	12	24	37	49	61	
1900	11	22	33	44	54	
2450	10	19	29	38	48	
3600	8	16	24	32	40	
5200	7	13	20	26	33	
5400	6	13	19	26	32	
5800	6	12	19	25	31	
MHz	30	35	40	45	50	mm
150	232	271	310	349	387	SAR Test Exclusion Threshold (mW)
300	164	192	219	246	274	
450	134	157	179	201	224	
835	98	115	131	148	164	
900	95	111	126	142	158	
1500	73	86	98	110	122	
1900	65	76	87	98	109	
2450	57	67	77	86	96	
3600	47	55	63	71	79	
5200	39	46	53	59	66	
5400	39	45	52	58	65	
5800	37	44	50	56	62	

Note: 10-g Extremity SAR Test Exclusion Power Thresholds are 2.5 times higher than the 1-g *SAR Test Exclusion Thresholds* indicated above. These thresholds do not apply, by extrapolation or other means, to occupational exposure limits.

Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	ACX	AT3216-A2R4 PAA	Chip	N/A	1.5

CALCULATION RESULTS

Maximum measured transmitter power:

BT EDR:

OutputPower (dBm)	Output Power (mW)	Limit (mW)
-3.55	0.442	10

BT LE:

OutputPower (dBm)	Output Power (mW)	Limit (mW)
-2.24	0.597	10

According to FCC KDB447498 V06, Appendix A, SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

The maximum measured output peak power of this EUT is 3.54mW, less than 10mW at 5mm distance.

No SAR evaluation required since transmitter power is below FCC threshold.