

Northwest EMC (Intermec Technologies Corporation)

SAR Test Plan

1. Product Description: 802.11b/g Compact Flash Card in 700C Handheld Scanner with GSM/GPRS, CDMA and Bluetooth
2. Proposed FCC ID:EHA2610CF
3. FCC approval requirements: Limited Modular Approval in specific Portable device (700C Handheld Scanner) and co-located with specific transmitters (Bluetooth Module, 850/1900 GSM/GPRS Cellular Module, 850/1900 CDMA Cellular Module)

Procedure used to evaluate simultaneous-transmit (coTx) SAR

- Review Intermec FCC ID: EHAEM3420 & EHASMC46SAR based upon the FCC filing, see tables below.
- Choice test position and frequency form worst case SAR values.

FCC ID: EHAEM3420 CDMA module in 700C				
Head Operation- The Worst SAR Readings				
EUT position	Antenna	Ch#	Fc (MHz)	SAR reading (mW/g)
Left Touched	805-624-001	600	1880.00	0.201
Left Tilted	805-624-001	600	1880.00	0.352
Right Touched	805-624-001	600	1880.00	0.265
Right Tilted	805-624-001	600	1880.00	0.677
Left Touched	805-624-001	363	835.89	0.108
Left Tilted	805-624-001	363	835.89	0.159
Right Touched	805-624-001	363	835.89	0.142
Right Tilted	805-624-001	1013	824.7	0.355
Body Worn Operation- The Worst SAR Readings				
Sep. distance (mm)	Antenna	Ch#	Fc (MHz)	SAR reading (mW/k)
25	805-624-001	600	1880.00	0.188
Belt Clip (805-612-001)	805-624-001	600	1880.00	0.391
Holster (815-047-001)	805-624-001	600	1880.00	0.398
25	805-624-001	363	835.89	0.059
Belt Clip (805-612-001)	805-624-001	1013	824.7	0.090
Holster (815-047-001)	805-624-001	1013	824.7	0.368

FCC ID: EHASMC46 GSM/GPRS module in 700C				
Head Operation- The Worst SAR Readings				
EUT position	Antenna	Ch#	Fc (MHz)	SAR reading (mW/g)
Left Touched	805-624-001	661	1880.00	0.064
Left Tilted	805-624-001	661	1880.00	0.082
Right Touched	805-624-001	661	1880.00	0.181
Right Tilted	805-624-001	512	1850.2	0.226
Left Touched	805-624-001	189	836.4	0.166
Left Tilted	805-624-001	189	836.4	0.190
Right Touched	805-624-001	189	836.4	0.209
Right Tilted	805-624-001	251	848.8	0.354
Body Worn Operation- The Worst SAR Readings				
Sep. distance (mm)	Antenna	Ch#	Fc (MHz)	SAR reading (mW/k)
Holster (815-047-001)	805-624-001	512	1850.2	0.393
Holster (815-047-002)/Left	805-624-001	512	1850.2	0.195
Belt Clip (805-612-001)	805-624-001	N/A	N/A	N/A
Holster (815-047-001)	805-624-001	189	836.4	0.544
Holster (815-047-002)/Left	805-624-001	189	836.4	0.414
Belt Clip (805-612-001)	805-624-001	189	836.4	0.180