Telecommunications Standards Advisory Committee (TSAC)

Technical Specification

Short Range Devices

IMDA TS SRD
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6. Table 1: Technical Requirements for Short Range Devices (SRD)

T1 Sub-band	Authorised Frequency Bands / Frequencies	Maximum Field Strength / RF Output Power	Transmitter Spurious Emissions	Additional Spectrum Access Conditions	Application Types[2]	Recommended Measurement Methods
					and may or may not be battery powered	
37	10.50 – 10.55 GHz	≤ 117 dBµV/m at 10m	Table1-a of this TS; §15.209	-	Radio-determination devices	EN 300 440; FCC Part 15 §15.245 and ANSI C63.10-2013
38a	24.00 – 24.25 GHz	≤ 100 mW (e.i.r.p.)	Table1-a of this TS	-	Automotive radars	EN 302 858
38b	24.00 – 24.25 GHz	≤ 100 mW (e.i.r.p.)	Table1-a of this TS	-	Tank level probing radar	EN 302 372
38c	24.00 – 24.25 GHz	≤ 100 mW (e.i.r.p.)	Table1-a of this TS	-	Non-specific SRD Comments to application: Radar gun devices are not allowed to operate under this provision	EN 300 440
39a	57 – 64 GHz	≤100 mW (e.i.r.p)	Table1-a of this TS	-	Tank level probing radar	EN 302 372
39b	57 – 64 GHz	≤100 mW (e.i.r.p)	Table1-a of this TS; §15.209	-	Non-specific SRD	EN 305 550 FCC Part 15 §15.255 and ANSI C63.10-2013
40	57 – 66 GHz	≤ 10 W (e.i.r.p)	Table1-a of this TS	Adequate spectrum sharing mechanism shall be implemented Adaptivity (medium access protocol) shall be implemented (LBT) Maximum mean EIRP density of 13dBm/MHz	RLAN	EN 305 550 / EN 302 567
41	76 – 77 GHz	≤ 55 dBm peak (e.i.r.p.), ≤ 23.5 dBm average (e.i.r.p.) for pulse radar	Table1-a of this TS; FCC Part 95 Subpart M	-	Radar equipment for fixed infrastructure TTT and ground based vehicle applications	EN 301 091-1, -2; FCC Part 95 Subpart M

8. Table 2: Technical Requirements for Short Range Devices (SRD) – Operation Requires Approval						
T2 Sub-band	**Authorised Frequency Bands / Frequencies**	**Maximum Field Strength / RF Output power**	**Transmitter Spurious Emissions**	**Recommended Measurement Methods**	**Application Types**	**Remarks**
			Table1-a of this TS	EN 300 220-1 and -2; or EN 302 208		
5	5.725 – 5.850 GHz	> 1000 mW (e.i.r.p.) ≤ 4000 mW (e.i.r.p.)	§15.209	FCC Part 15 §15.247 and ANSI C63.10-2013	Wireless LAN and broadband access	Operating under this provision may be approved on an exceptional basis.
			§15.407	FCC Part15 §15.407 and ANSI C63.10-2013		
6	57.1 – 62.9 GHz	> 40dBm (e.i.r.p.) ≤ 55dBm (e.i.r.p.)	Table1-a of this TS	EN 302 217-2	Fixed point systems	Operating under this provision may be approved on an exceptional basis.