

Technical Requirement for Radio Microphone of Specified Low Power Radio Equipment

Technical Requirement	70 MHz Band, Type D	300 MHz Band, Type C	800 MHz Band, Type B	Test Request
Communication Method:	Broadcast	Broadcast or One-way		
Modulation Type & Frequency Channel:	See Appendix I			
Modulation Method:	Frequency Modulation			
Max. RF Output Power:	10 mW	1 mW	10 mW	X
RF Output Power Tolerance:	+20%, -50%			X
Frequency Tolerance:	20 ppm	10 ppm	20 ppm	X
Oscillating Method:	X'tal or PLL Synthesizer			
Adjacent Channel Leakage Power:	60 dB (120 kHz +/- 30 kHz)	60 dB (50 kHz +/- 15 kHz)	60 dB (250 kHz +/- 55 kHz)	X
Occupied Band Width:	60 kHz	30 kHz	110 kHz	X
Spurious Emission Strength:	2.5 micro Watts			X
Emission Wave Strength when Receiving:	4 nW			X
Function of Interference Prevention:	Automatically Transmit & Receive ID code			
Function of Carrier Sensing:	N.A.			
Restriction Function of Transmission Time:	N.A.			
Transmission Antenna Gain:	Below 2.14dBi			
Transmission Antenna Construction:	With enclosure			
Module Approval:	No			

Appendix I. Frequency Channel Separation & Channel Name, Symbol Color for Radio Microphone

70 MHz Band

Modulation Type	Frequency Channels (MHz)	Frequency Group Separation *		Channel Name *	Channel Symbol Color *
		Group 5	Group 6		
F3E or F8W	74.58	X		D11	BROWN
	74.64		X	D21	BROWN
	74.70	X		D12	RED
	74.76		X	D22	RED

300 MHz Band

Modulation Type	Frequency Channels (MHz)	Frequency Group Separation *				Channel Name *	Channel Symbol Color *
		Group 1	Group 2	Group 3	Group 4		
F1D, F2D, F3E, F8W, or F9W	322.025			X		C31	BROWN
	322.050	X				C11	BROWN
	322.075		X			C21	BROWN
	322.100	X				C12	RED
	322.125		X			C22	RED
	322.150			X		C32	RED
	322.250	X				C13	ORANGE
	322.275		X			C23	ORANGE
	322.300				X	C41	BROWN
	322.325			X		C33	ORANGE
	322.350	X				C14	YELLOW
	322.375		X			C24	YELLOW
	322.400			X		C34	YELLOW

800 MHz Band



TECHNICAL & CERTIFICATION INFORMATION

Modulation Type	Frequency Channels (MHz)	Frequency Group Separation *						Channel Name *	Channel Symbol Color *
		Group 1	Group 2	Group 3	Group 4	Group 5	Group 6		
F1D, F2D, F3E, F8W, or F9W	806.125	X						B11	BROWN
	806.250		X					B21	BROWN
	806.375	X						B12	RED
	806.500		X					B22	RED
	806.625			X				B31	BROWN
	806.750				X			B41	BROWN
	806.875			X				B32	RED
	807.000		X					B23	ORANGE
	807.125	X						B13	ORANGE
	807.250						X	B61	BROWN
	807.375			X				B33	ORANGE
	807.500				X			B42	RED
	807.625					X		B51	BROWN
	807.750	X						B14	YELLOW
	807.875		X					B24	YELLOW
	808.000				X			B43	ORANGE
	808.125					X		B52	RED
	808.250			X				B34	YELLOW
	808.375					X		B53	ORANGE
	808.500		X					B25	GREEN
	808.625			X				B35	GREEN
	808.750					X		B54	YELLOW
	808.875		X					B26	BLUE
	809.000	X						B15	GREEN
	809.125				X			B44	YELLOW
	809.250			X				B36	BLUE
	809.375				X			B45	GREEN
	809.500	X						B16	BLUE
	809.625					X		B55	GREEN
	809.750				X			B46	BLUE



TECHNICAL & CERTIFICATION INFORMATION

* "Frequency Group Separation", "Channel Name", and "Channel Symbol Color" are required by ARIB voluntary requirements.

Referred from "RCR STD-15 Rev. 4.0 / 2000/7/25"

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