



5) Specification sheet

Receiver(FM)

NO	TEST ITEM (S/P=8Ω)		SPECIFICATION		UNIT	TEST SET NUMBER	
			NOMINAL	LIMIT		#1	#2
1	12dB SINAD	1CH: 151.8200MHz	-123	-120	dBm		
		3CH: 151.9400MHz					
		5CH: 154.6000MHz					
2	Squelch Threshold		-123	-118	dBm		
3	Audio Output (Thd 10%)		1	0.8	V		
4	Hum & Noise (Unsquelched)		40	35	dB		
5	Current	Standby(SQ)	50	60	mA		
		Power Save Mode	15	25			
		Receiver	110	120			
6	Audio Frequency	300Hz	-5	-8 ~ +11.5	dB		
	Response	3KHz	-15	-8.5 ~ -20			
7	Audio Distortion at 1.0mV		3	5	%		
8	In Band Conducted RX Spurious		-60	-57	dBm		
9	Spurious Rejection Ratio	MHz	60	50	dB		
		MHz					
10	Image Rejection Ratio		60	40	dB		
11	Adjacent Channel Rejection Ratio	+12.5KHz	60	40	dB		
		-12.5KHz					
12	Battery Low		4.2	±0.2	V		

TRANSMITTER(FM)

NO	TEST ITEM (S/P=8Ω)		SPECIFICATION		UNIT	TEST SET NUMBER	
			NOMINAL	LIMIT		#1	#2
1	TX Power	High	2.0	1.8	W		
		Low	0.5	0.3			
2	Current	High	700	1000	mA		
		Low	400	600			
3	Harmonic Emission			46	dBc		
4	Hum & Noise (AF 1.0KHz/1.5KHz Dev)		40	35	dB		
5	Audio Frequency	300Hz	-10.5	-16.5 ~ -8.5	dB		
	Response (1KHz Dev)	1KHz	0	0			
		3KHz	+5	+7 ~ +1			
6	Peak	Audio	1.8	1.8±0.2	KHz		
	Frequency	CTCSS	0.4	0.4±0.1			
		Deviation	Audio + CTCSS	2.2	2.5		
7	Distortion (AF 1.0KHz/1.0KHz Dev)		3	5	%		
8	Frequency Error		±300	±600	Hz		
9	Mic Sensitivity		8	10	mV		
10	VOX Sensitivity		1.5	2.5	mV		

WX Channel(FM)

NO	TEST ITEM (S/P=8Ω)		SPECIFICATION		UNIT	TEST SET NUMBER	
			NOMINAL	LIMIT		#1	#2
1	12dB SINAD	1CH: 162.5500MHz	-123	-120	dBm		
		5CH: 162.4500MHz					
		10CH: 163.2750MHz					
2	Squelch Threshold		-126	-123	dBm		
3	Audio Output (Thd 10%)		1	0.8	V		
4	Hum & Noise (Unsquelled)		40	35	dB		
5	Current	Standby(SQ)	50	60	mA		
		Power Save Mode	15	25			
		Receiver	110	120			
6	Audio Frequency	300Hz	-5	-8 ~ +11.5	dB		
	Response	3KHz	-15	-8.5 ~ -20			
7	Audio Distortion at 1.0mV		3	5	%		
8	In Band Conducted RX Spurious		-60	-57	dBm		
9	Spurious Rejection Ratio	MHz	60	50	dB		
		MHz					
10	Image Rejection Ratio		60	40	dB		
11	Adjacent Channe Rejection Ratio	+12.5KHz	60	40	dB		
		-12.5KHz					
12	Battery Low		4.2	±0.2	V		