

5 . 7 RADIATED EMISSION TEST RESULTS

The frequency spectrum from 30 MHz to 10 GHz was investigated.
 All readings from 30 MHz to 1 GHz are quasi-peak values
 with a resolution bandwidth of 120 KHz . All readings are above
1GHz , peak values with a resolution bandwidth of 1 MHz.
 Measurements were made at 3 meters.

- . Temperature : 23 °C
- . Humidity : 53 %RH
- . Test result :

FREQ. (MHz)	FACTOR (dB)	ANT. FACTOR (dB/m)	READING (dBm V)		EMISSION (dBm V/m)		LIMITS (dBm V/m)	AZ (°)	EL(M)
			HORIZ	VERT	HORIZ	VERT			
62.2118	1.2	8.6	*	23.5	*	33.3	40.0	157.0	1.5
229.2331	2.2	13.9	25.8	24.5	41.9	40.6	46.0	25.0	1.3
455.0039	3.1	16.9	22.3	22.1	42.3	42.1	46.0	163.0	1.6
704.8815	4.2	20.7	*	16.8	*	41.7	46.0	69.0	1.5
904.9400	4.7	22.3	37.6	38.1	64.6	65.1	---	20.0	1.5
913.5249	4.7	22.6	14.3	14.2	41.6	41.5	46.0	335.0	1.8
1809.8800	4.0	26.3	16.9	17.5	47.2	47.8	54.0	335.0	1.4
2714.8200	5.3	29.7	13.4	13.9	48.4	48.8	54.0	157.0	1.5
3619.7600	6.1	32.4	10.7	9.9	49.2	48.4	54.0	155.0	1.6
4524.7000	6.9	33.5	*	*	*	*	54.0	125.0	1.6
5429.6400	7.8	34.1	*	*	*	*	54.0	12.0	1.6
6334.5800	8.5	34.7	*	*	*	*	54.0	228.0	1.5

- REMARKS** :
- *= Measurement does not apply for this frequency.
 - Uncertainty in radiated emission measured is <+/-4dB
 - Any departure from specification : N/A
 - Factor will include cable loss and correction factor.
 - Sample calculation

$$\text{Emission(dB}\mu\text{V/m)} = \text{Factor (dB)} + \text{Ant. Factor (dB/m)} + \text{reading (dB}\mu\text{V)}$$
 - AZ(°) : Turn table azimuth
 - EL(M) : Antenna height (Meter)
 - Mode 7

SIGNED BY TESTING ENGINEER : _____

6. BANDWIDTH

6 . 1 LIMIT

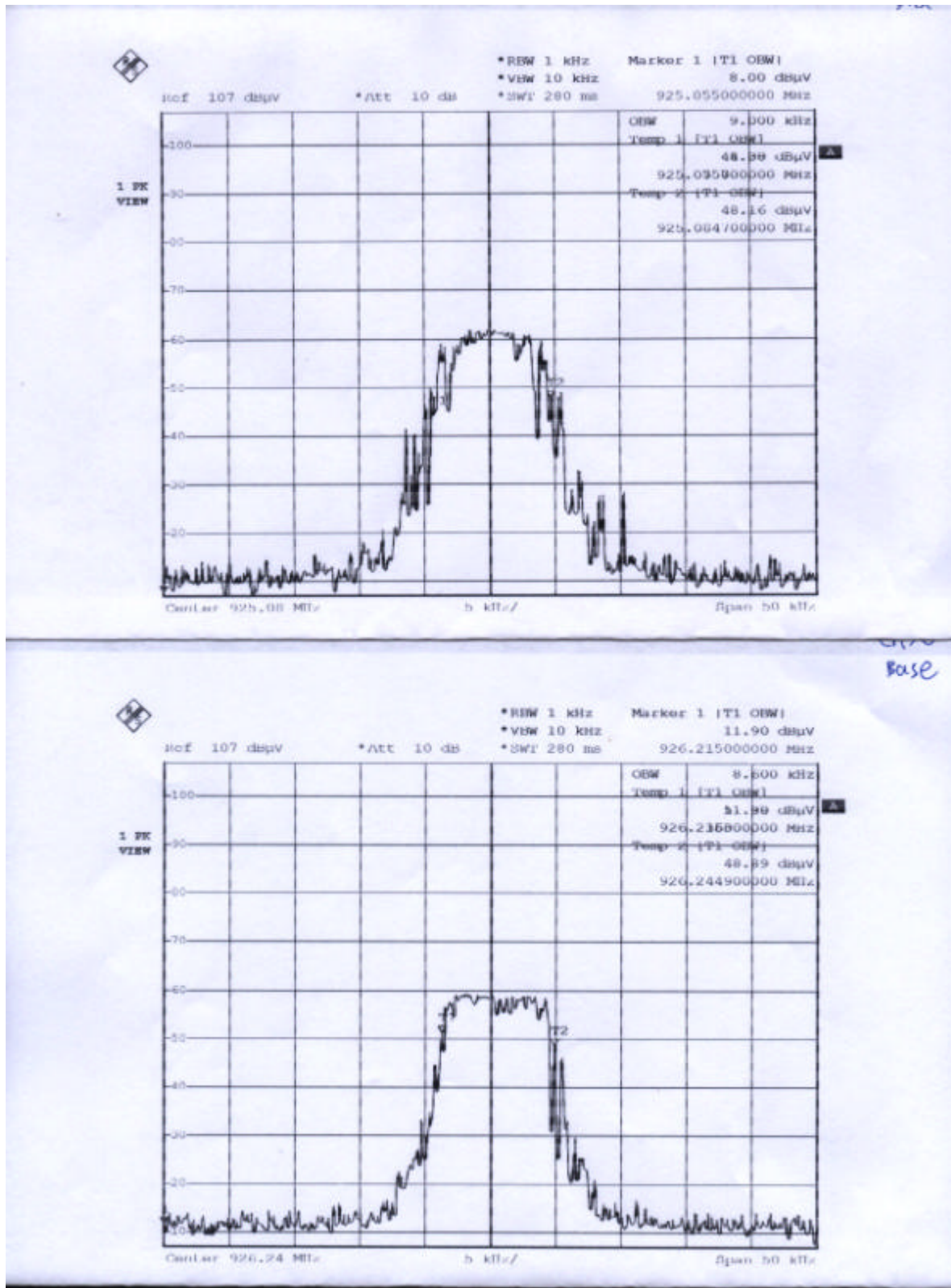
The emission shall be no wider than 0.5% of the center frequency.
Bandwidth is de-termined at the points 20dB down from the modulated carrier.

6 . 2 TEST RESULTS

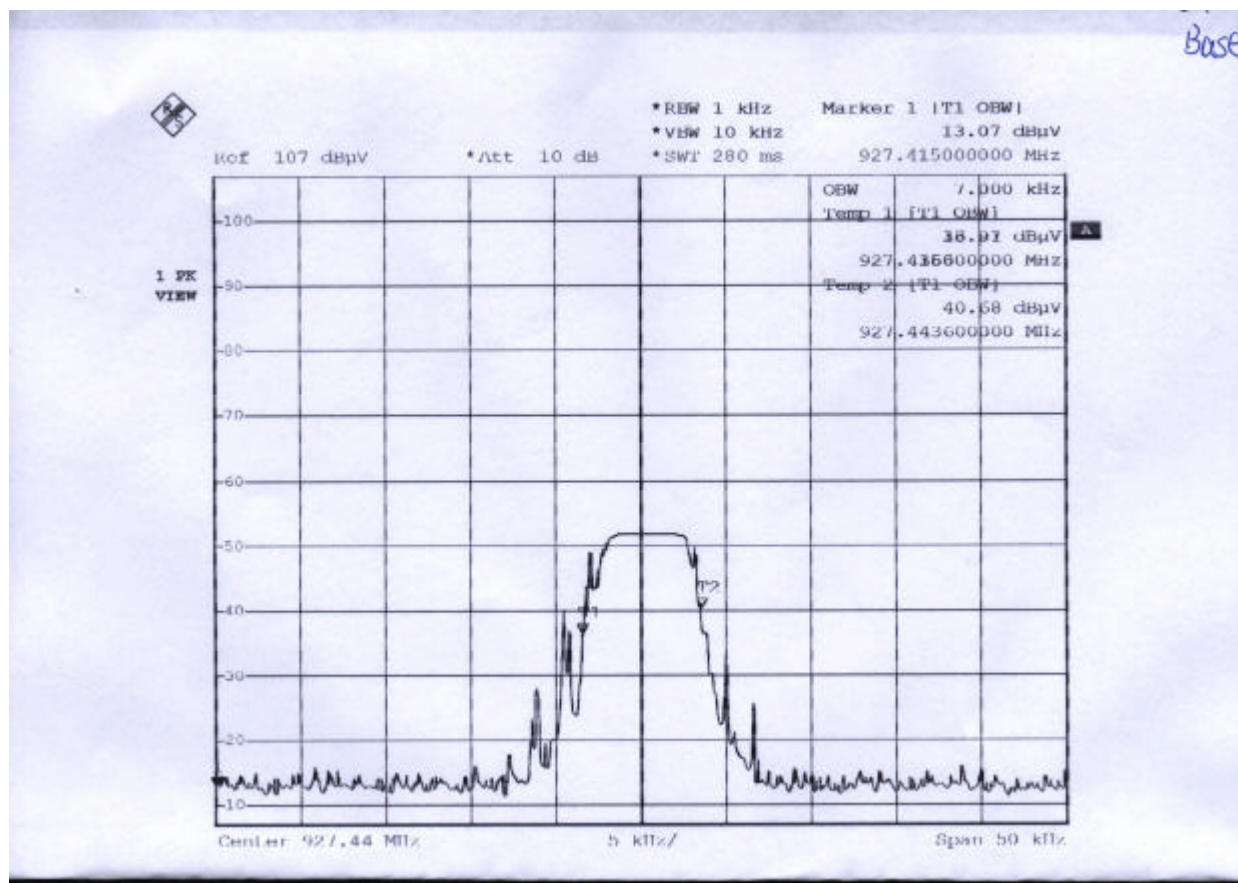
Mode		Channel	Operation frequency	20dB bandwidth
Mode 2	Base	1	925.08MHz	9.0KHz
Mode 3		30	926.24MHz	8.6KHz
Mode 4		60	927.44MHz	7.0KHz
Mode 5	Handset	1	902.80MHz	8.0KHz
Mode 6		30	903.74MHz	8.6KHz
Mode 7		60	904.94MHz	7.2KHz

Please see attached plotter.

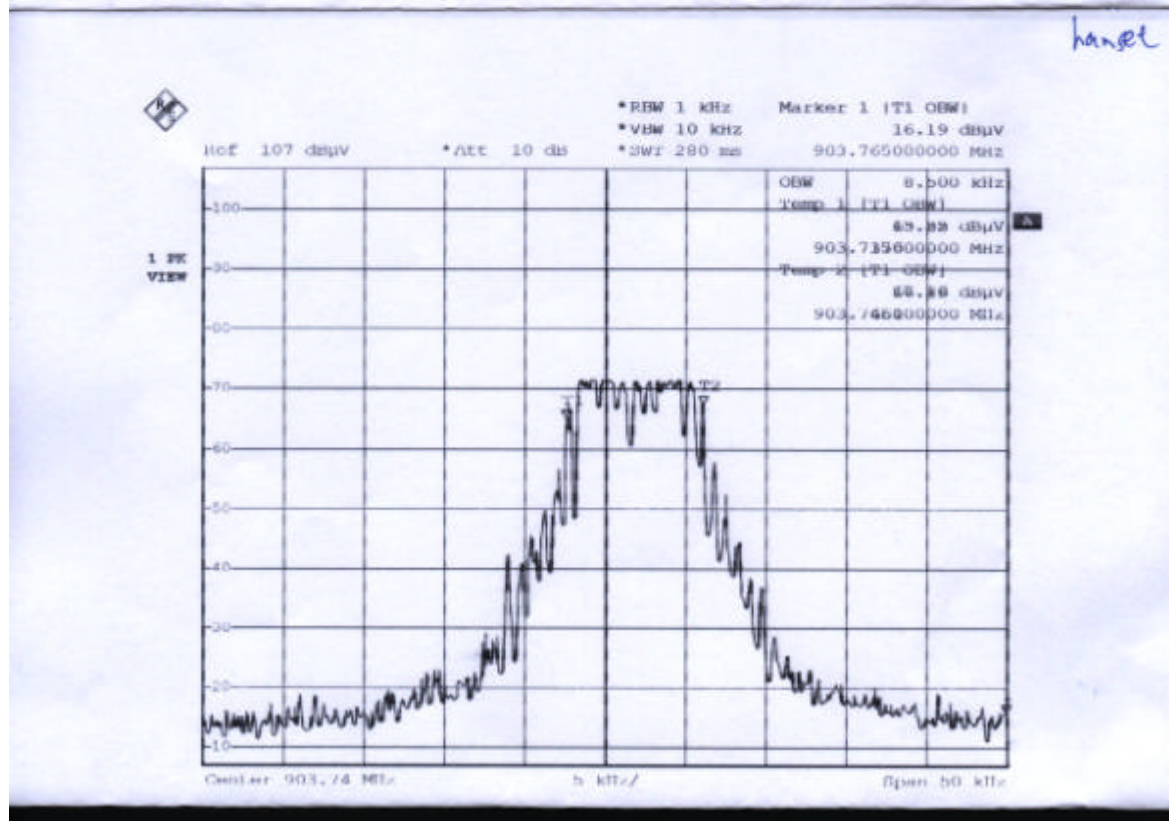
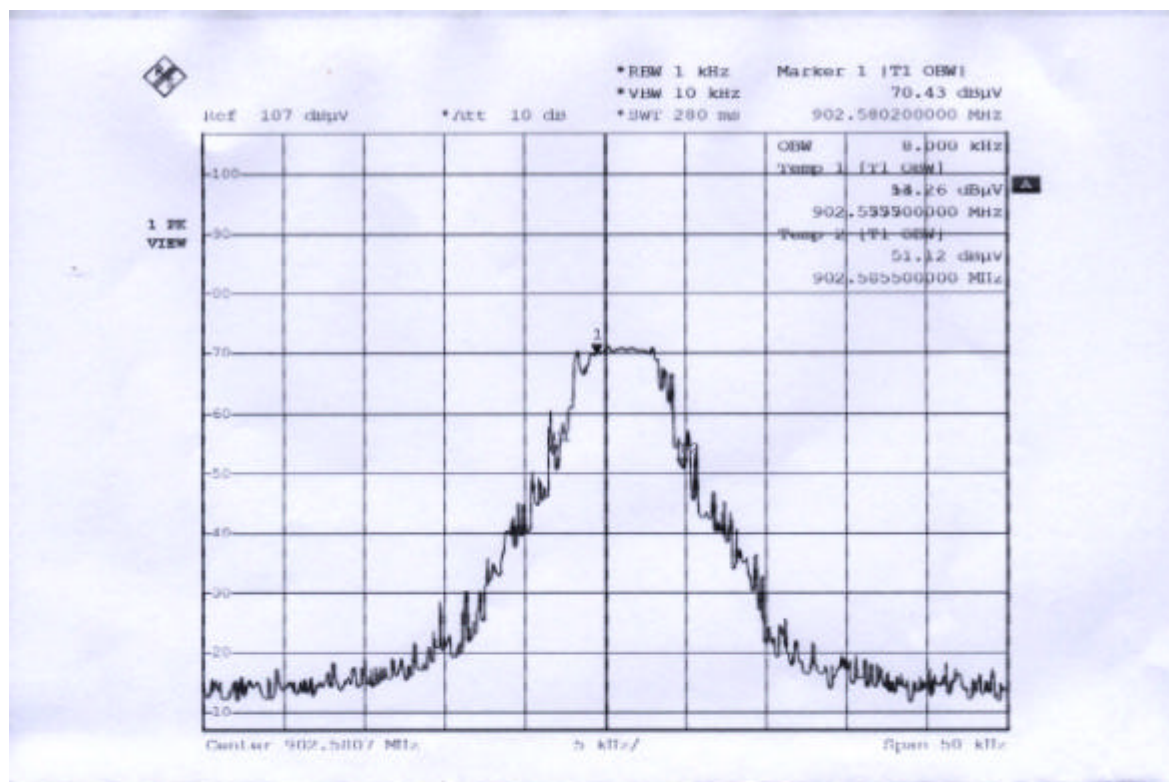
*Base : channel 1, 30



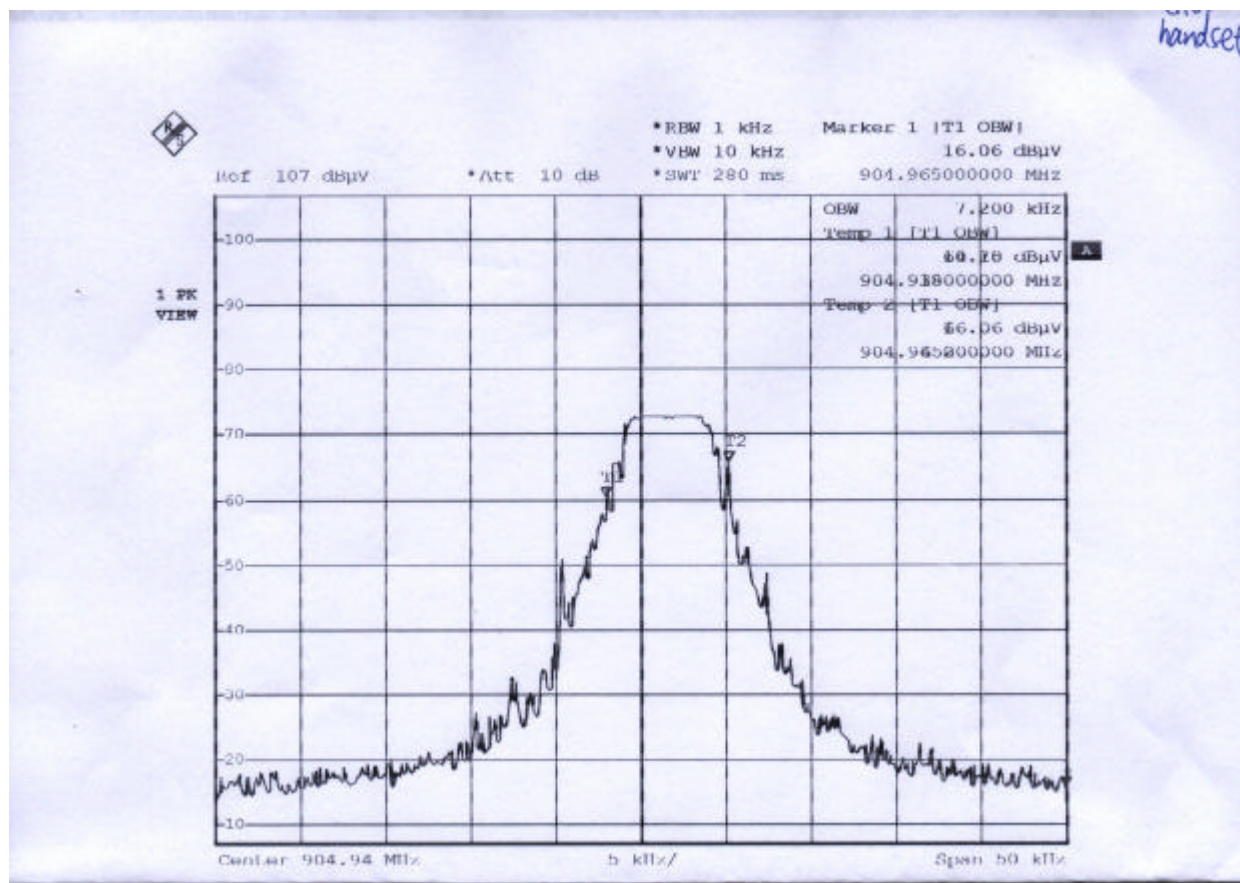
*Base : channel 60



*Handset : channel 1, 30

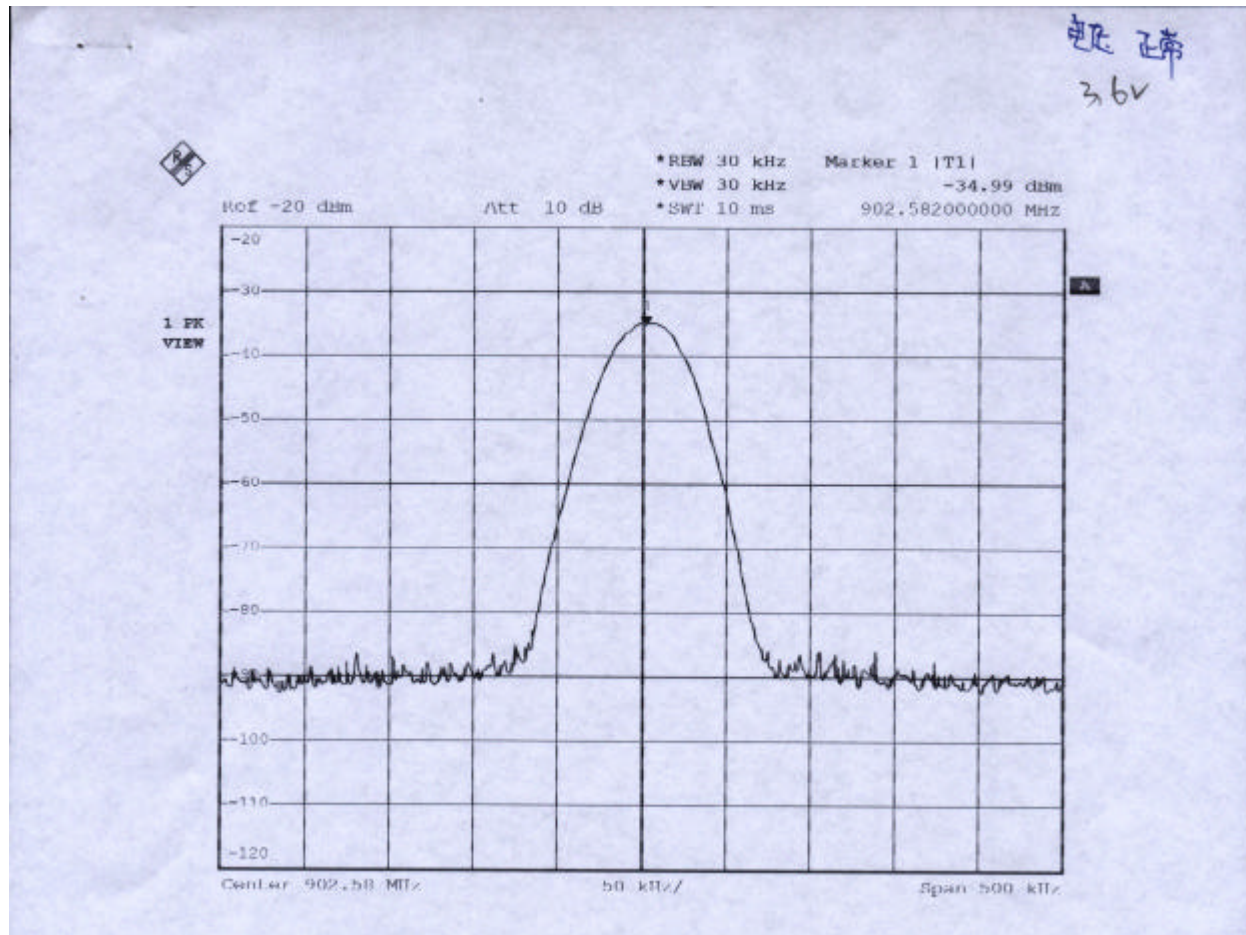


*Handset : channel 60

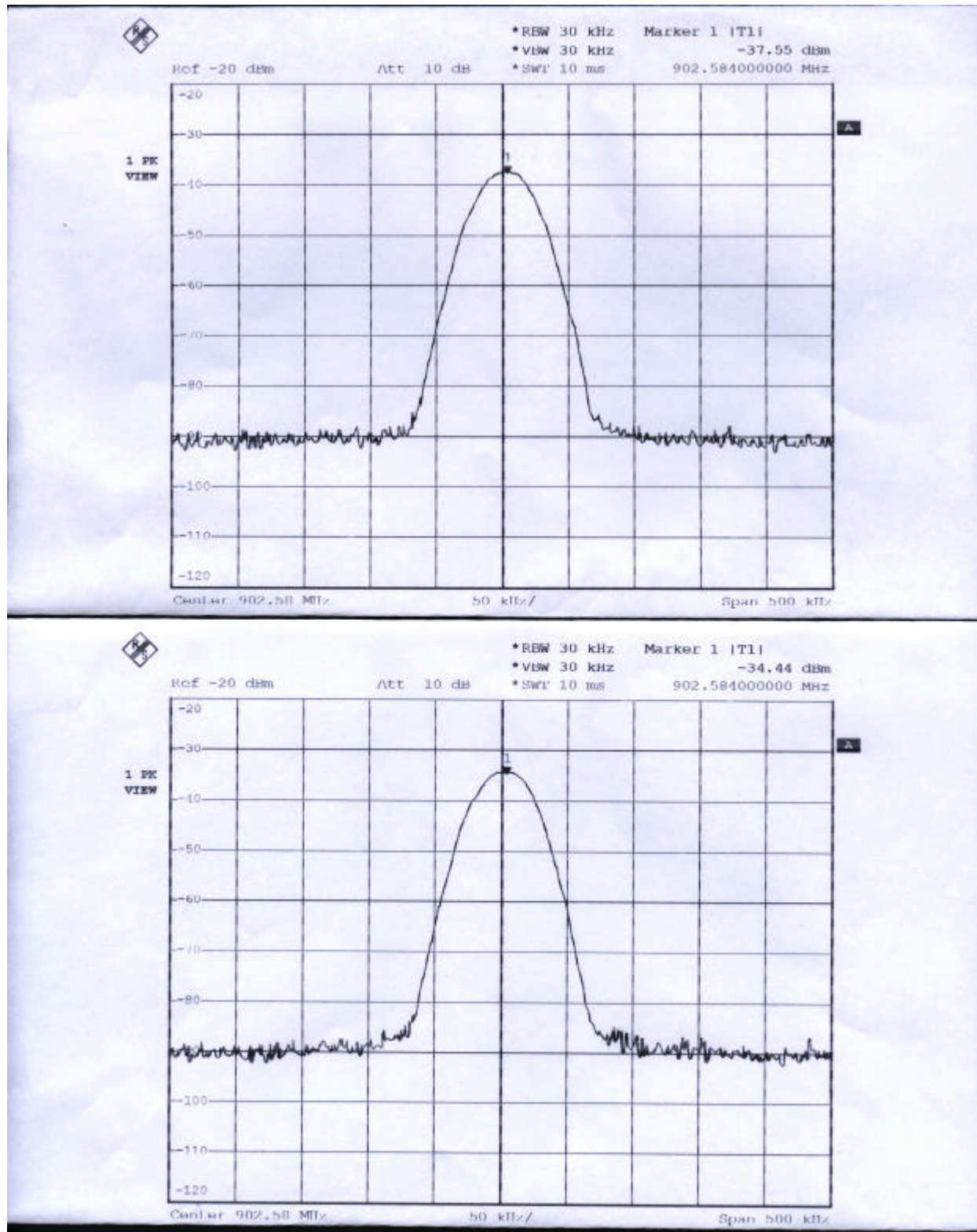


7. CHANGE THE VOLTAGE FROM -15% TO +15% TO CHECK THE FREQUENCY VARIATION

A. When voltage is 3.6V

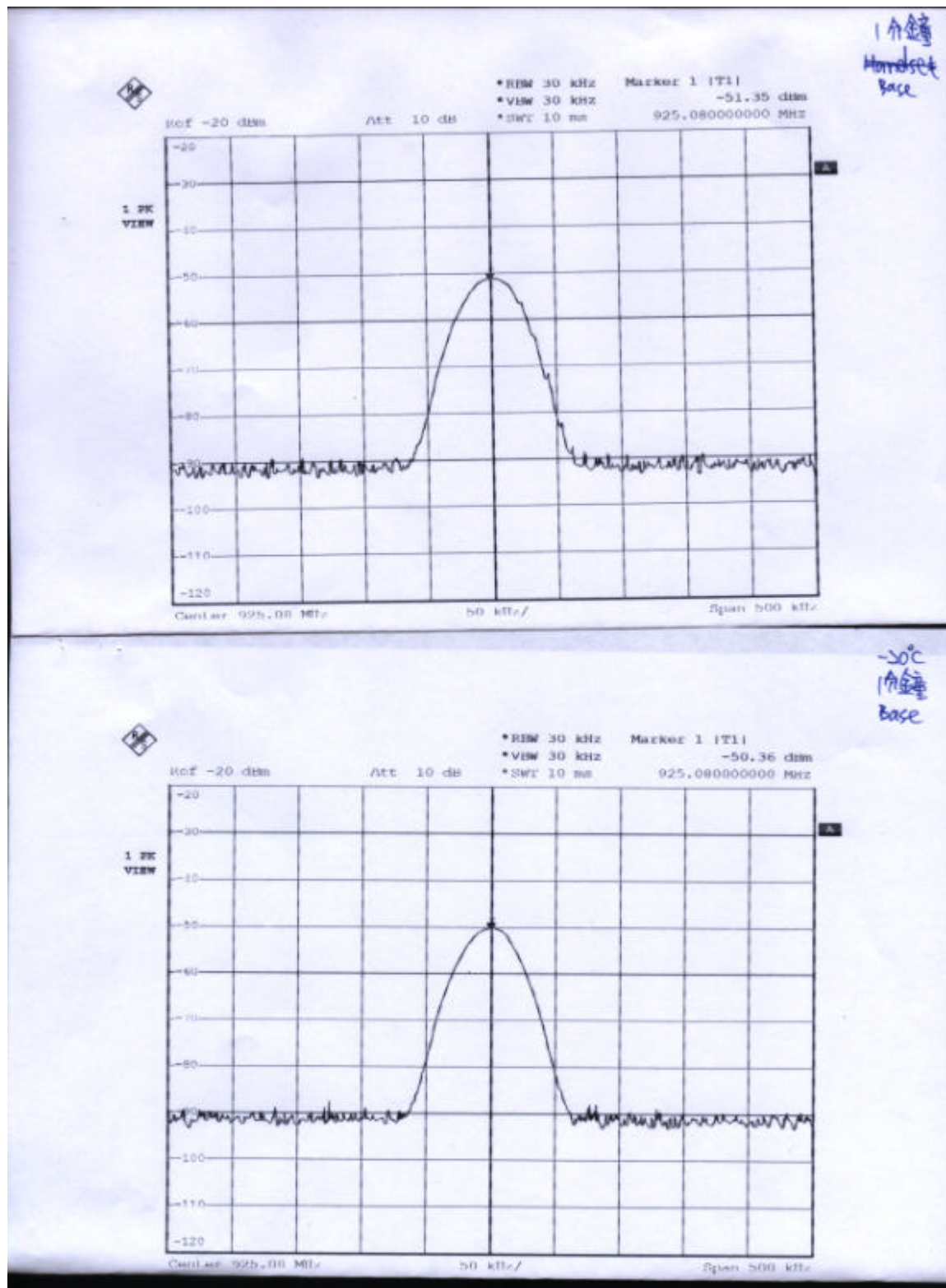


- B. When voltage is 4.14V (change +15%)
C. When voltage is 3.06V (change -15%)



8. THE TEMPERATURE CHANGE TEST

* Temperature is -30°C, -20°C (Base)



* Temperature is -10°C, 0°C (Base)

