

Exhibit 8UHF

Report of Measurements for 896.0-901.0 MHz/935.0-940.0 MHz Transmitter

8UHF.1 RF Power Output §2.1046

For each applicable frequency band of operation the RF power output into a 50 ohm dummy load was measured, as was the DC voltage and current input to the amplifying stage. The results are shown below.

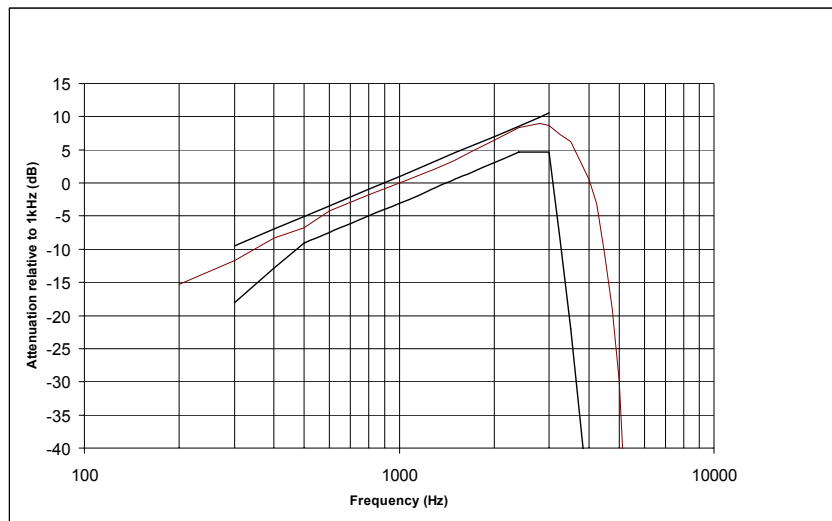
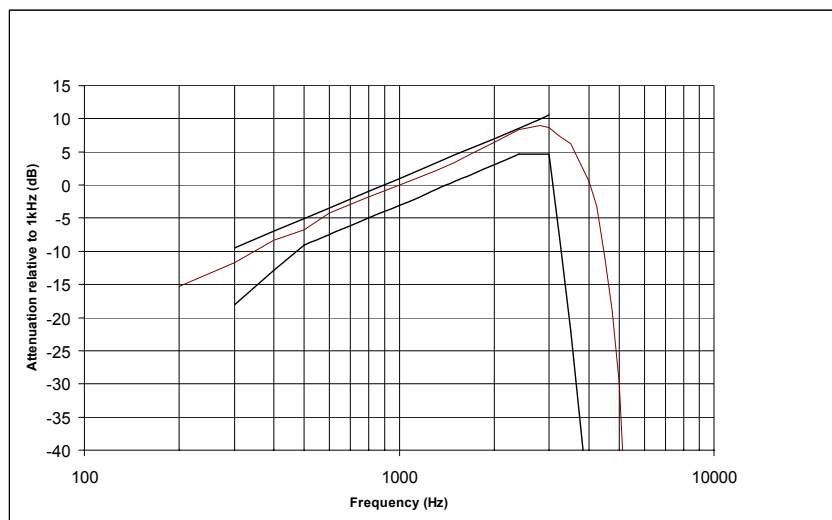
RF Power Output					
Frequency Band	Test frequency	Channel Spacing (kHz)	Measured RF Power Output (W)	Measured DC Voltage (V)	Measured DC Current (A)
896.0 - 901.0 MHz	898.5 MHz	12.5	31.6	13.6	7.5
935.0 - 940.0 MHz	937.5 MHz	12.5	20.9	13.6	6

8UHF.2 Modulation Characteristics §2.1047(a)Applicable modes:

12.5kHz and 25kHz channel spaced 896-901/935-940MHz voice operation.

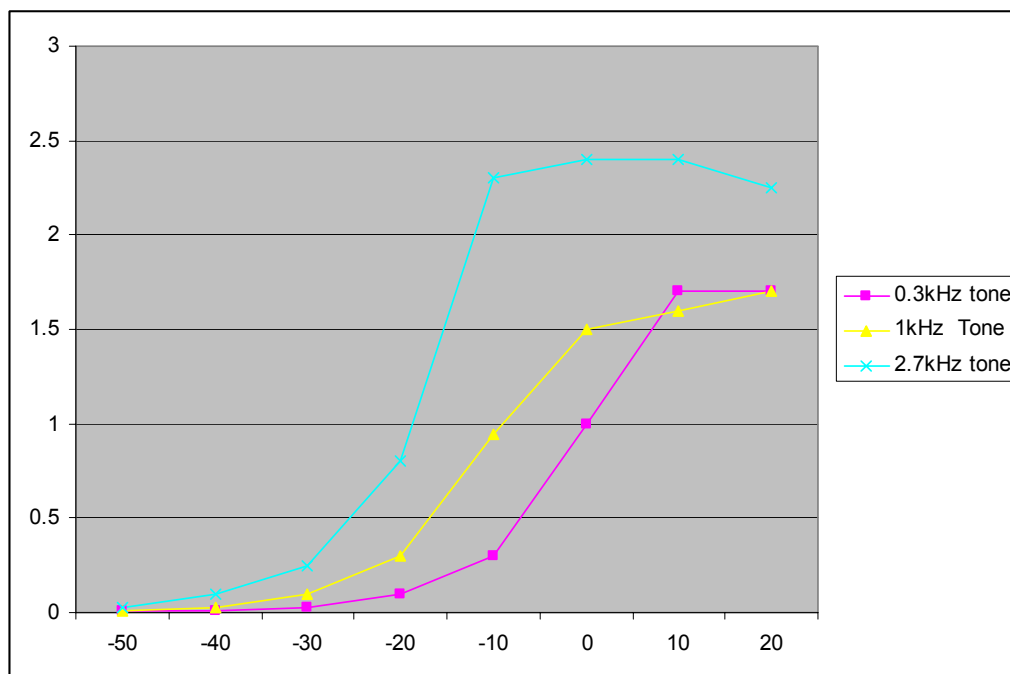
8UHF.2.1 Audio Frequency Response and Audio Low Pass Filter Characteristic

Results: The following plots illustrate the frequency response of the voice modulation process of the UUT. The characteristic reveals pre-emphasis from 300Hz to 3000Hz and low pass filtering from 3000Hz to 10000Hz.

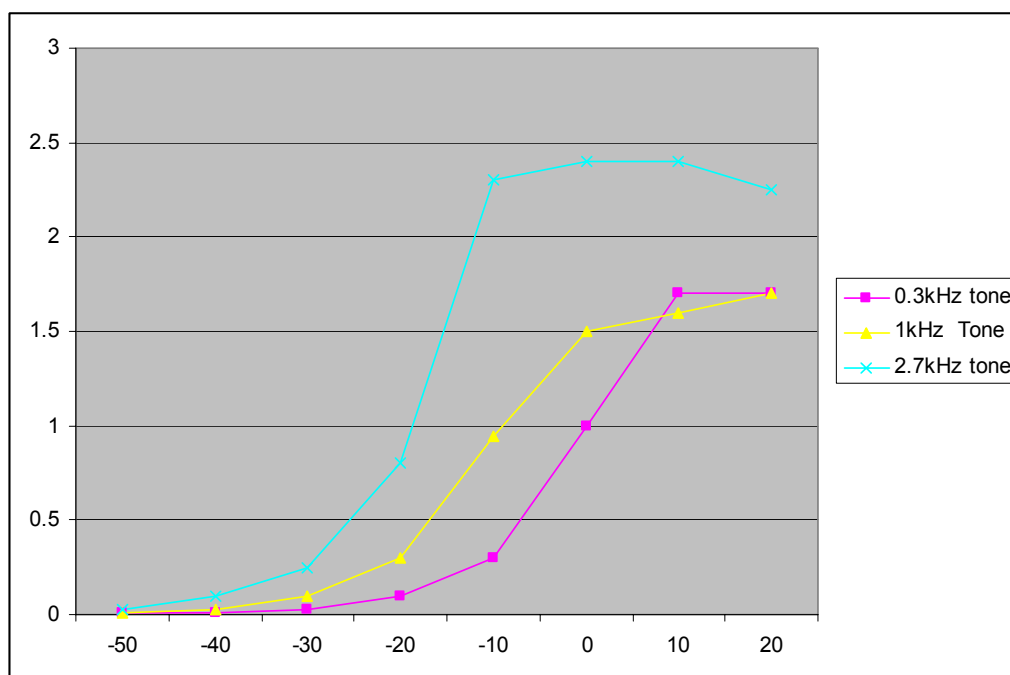
**8UHF.2.1.3 TX Audio Frequency Response, 899.000 MHz, 12.5 kHz channel spacing****8UHF.2.1.4 TX Audio Frequency Response, 938.000 MHz, 12.5 kHz channel spacing**

8UHF.2.2 Modulation Limiting

Results: The following plots demonstrate the UUT will not exceed its maximum rated deviation under the prescribed drive conditions.



8UHF.2.2.1 Modulation Limiting, 898.500 MHz, 12.5 kHz channel spacing



8UHF.2.2.2 Modulation Limiting, 937.500 MHz, 12.5 kHz channel spacing

8UHF.3 Occupied Bandwidth §2.1049

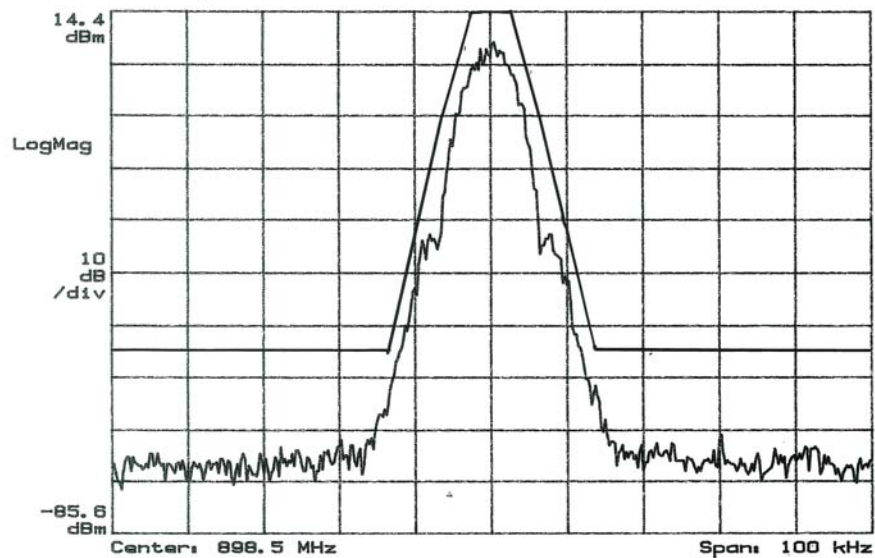
Applicable modes: See chart under Results.

Results: The following plots demonstrate the UUT emissions are confined to the respective emission mask limits.

Occupied Bandwidth								
Fig 8UHF.3.X	Band	Power Output	Test Frequency	Waveform	bit rate or deviation	Emission Designator	Mask	application
1	896-901 MHz	30W	898.500 MHz	0.33 GFSK	9.6 kbps	11K2F1D	J	ATCS/Spec 200 half-duplex
2	896-901 MHz	30W	898.500 MHz	0.5 GFSK	4.8 kbps	6K50F1D	J	ATCS/Spec 200 half-duplex
3	896-901 MHz	30W	898.500 MHz	tone	2.5 kHz pk	11K0F3E	I	12.5kHz voice half-duplex
4	935-941 MHz	20W	937.500 MHz	0.33 GFSK	9.6 kbps	11K2F1D	J	ATCS/Spec 200 P2P
5	935-941 MHz	20W	937.500 MHz	0.5 GFSK	4.8 kbps	6K50F1D	J	ATCS/Spec 200 P2P
6	935-941 MHz	20W	937.500 MHz	tone	2.5 kHz pk	11K0F3E	I	12.5kHz voice talkaround

Date: 06-29-05 Time: 11:20 AM

TRACE A: CH1 Spectrum



**Figure 8UHF3.1 Fo = 898.500 MHz, 9.6kbps GMSK BT=.33
11K2F1D, Mask J**

Date: 06-29-05 Time: 11:23 AM

TRACE A: Ch1 Spectrum

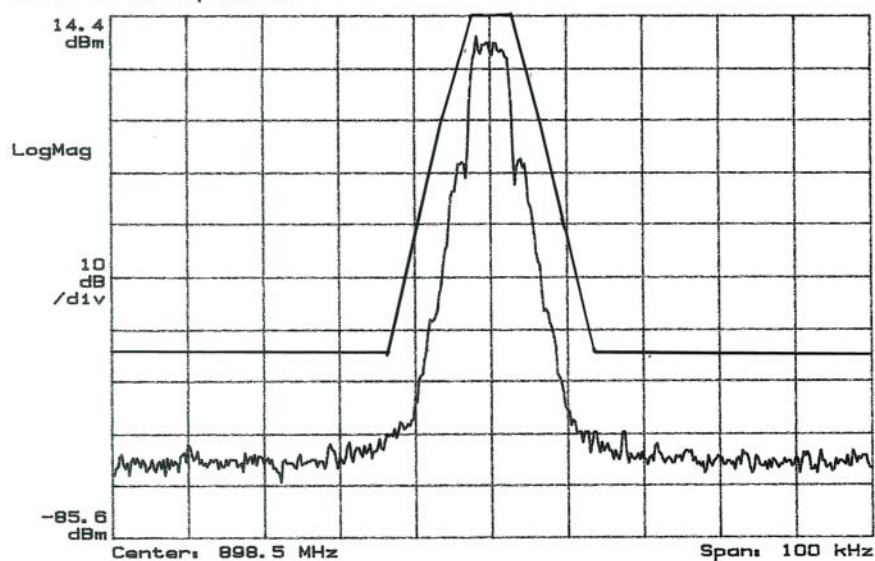


Figure 8UHF3.2 $F_o = 898.500$ MHz, 4.8kbps GFSK BT=0.5
6K50F1D, Mask J

Date: 06-29-05 Time: 11:29 AM

TRACE A: Ch1 Spectrum

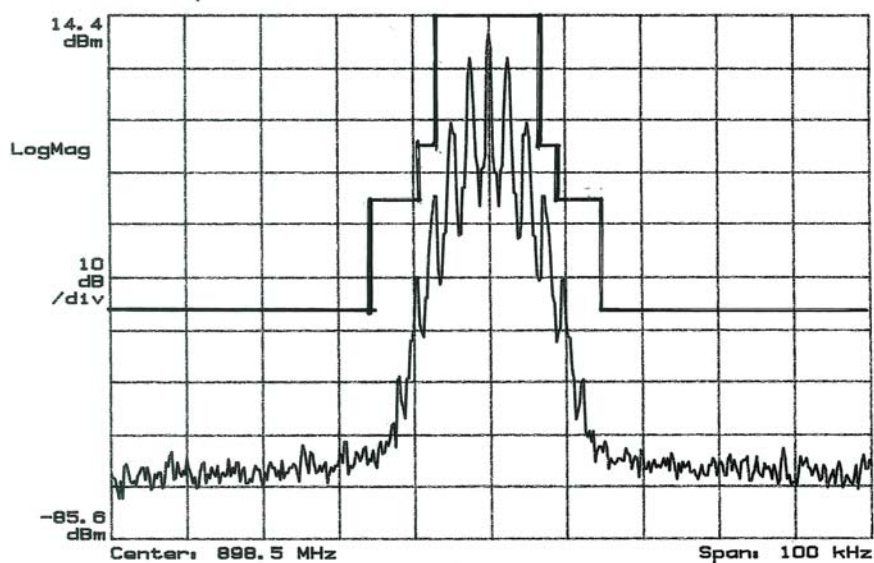
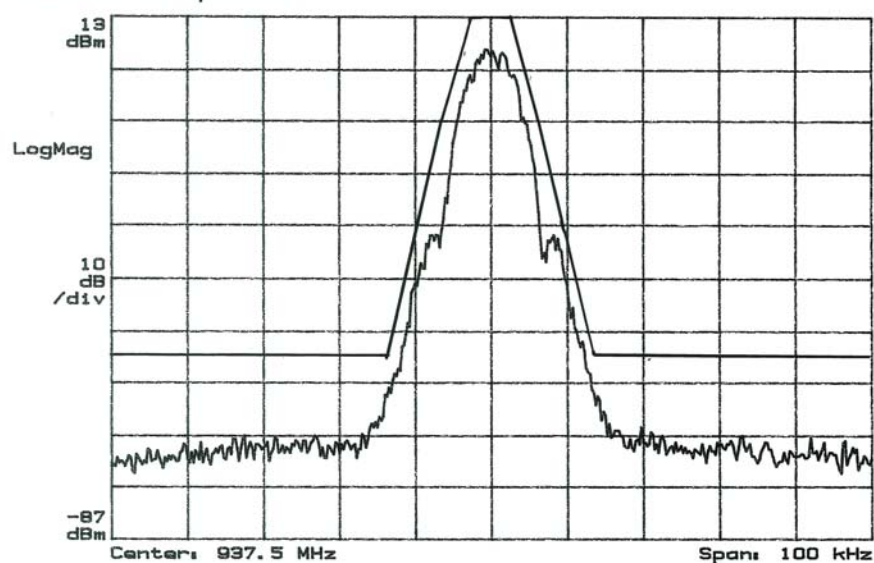


Figure 8UHF3.3 $F_o = 898.500$ MHz, Voice 12.5kHz
11K0F3E, Mask I

Date: 06-29-05 Time: 01:10 PM

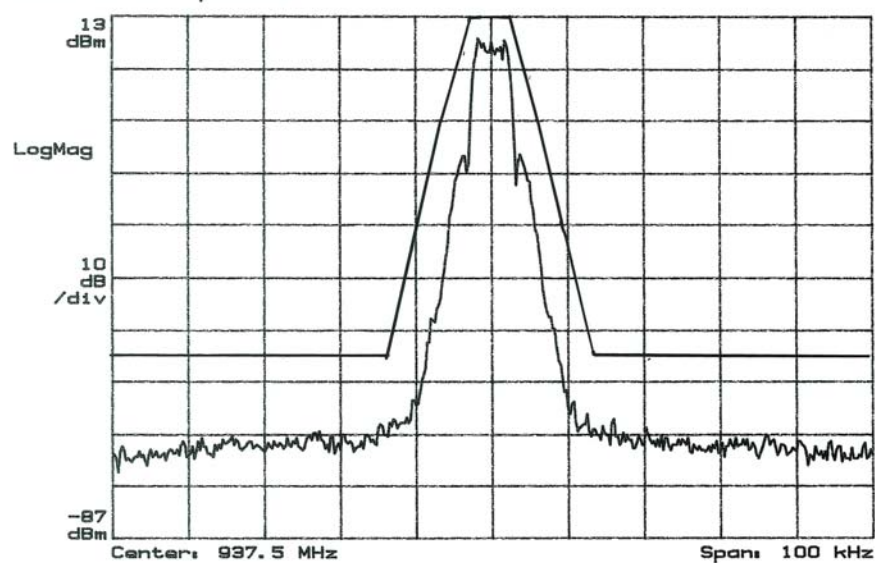
TRACE A: Ch1 Spectrum



**Figure 8UHF3.4 $F_o = 937.500$ MHz, 9.6kbps GMSK BT=.33
11K2F1D, Mask J**

Date: 06-29-05 Time: 01:06 PM

TRACE A: Ch1 Spectrum



**Figure 8UHF3.5 $F_o = 937.500$ MHz, 4.8kbps GFSK BT=0.5
6K50F1D, Mask J**

Date: 06-29-05 Time: 01:12 PM

TRACE A: Ch1 Spectrum

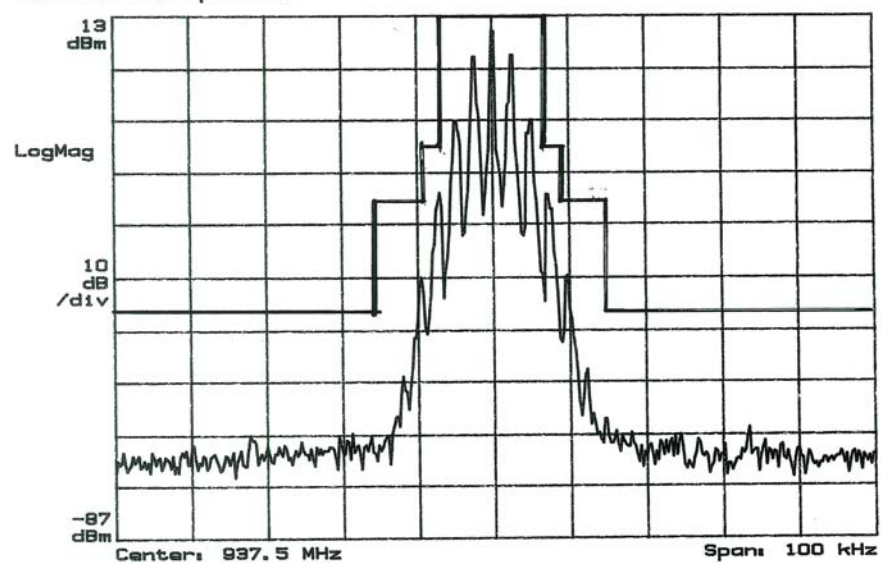


Figure 8UHF3.6 Fo = 937.500 MHz, Voice 12.5kHz
11K0F3E, Mask I

8UHF.4 Transient Frequency Behavior, §90.214

Not Applicable

8UHF.5 Spurious Emissions at Antenna Terminals §2.1051

Applicable modes: See chart under Results.

Conducted Spurious Emissions Test								
	Band	Power Output (W)	Test Frequency (MHz)	Emission Designator	Most restrictive Mask	Spurious Attenuation Limit		absolute level limit (dBm)
1	896-901 MHz	30	898.500	11K2F1D	J	50+10logP	64.8	-20.0
2	935-940 MHz	20	937.500	11K2F1D	J	50+10logP	63.0	-20.0

Results:

State: 31W, 898.5MHz and 21W 937.5MHz

No.	Spurious Frequency (MHz)	Operating Frequency (MHz)	actual level (dBm)	limit (dBm)	margin (dB)
1	979.2	898.5	-25.4	-20.0	5.4
2	1797	898.5	-32.1	-20.0	12.1
3	2695.5	898.5	-22.8	-20.0	2.8
4	8086.500	898.5	-37.5	-20.0	17.5
5	8985.000	898.5	-33.3	-20.0	13.3
6	1875.000	937.5	-36.0	-20.0	16.0
7	2812.500	937.5	-28.0	-20.0	8.0
8	4687.500	937.5	-26.7	-20.0	6.7
9	5625.000	937.5	-33.0	-20.0	13.0
10	8437.500	937.5	-37.9	-20.0	17.9
11	9375.000	937.5	-35.9	-20.0	15.9

See Figures 8UHF5.1-2 for 2MHz and 20 MHz span spectrum plots.

All other measurable spurious emissions were more than 20dB below the limit.

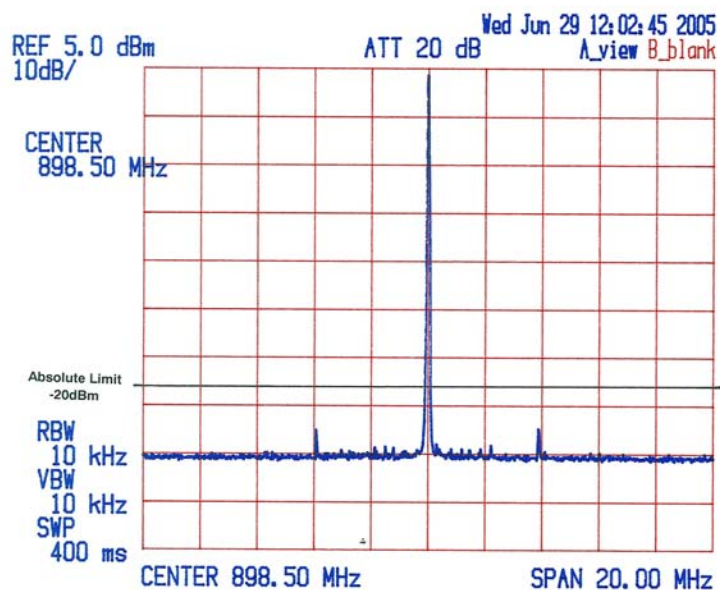


Figure 8UHF5.1 Fo = 898.5MHz, 20MHz Span

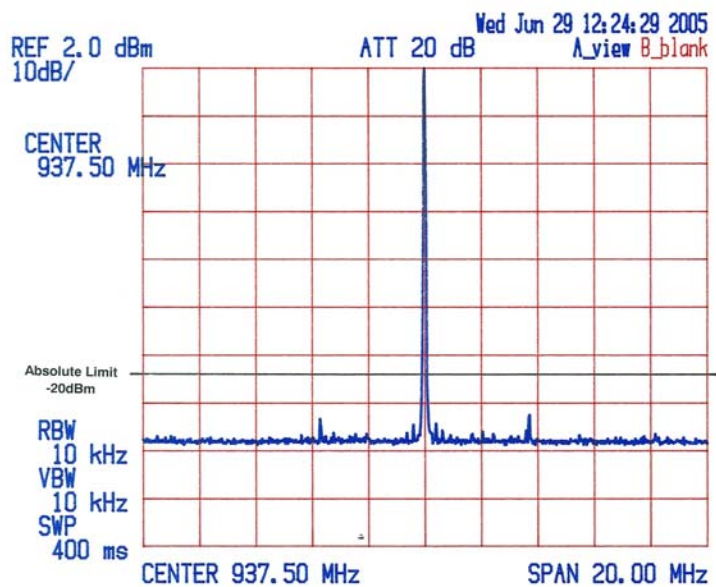


Figure 8UHF5.2 Fo = 937.5MHz, 20MHz Span

8UHF.6 Field Strength of Spurious Radiation §2.1053

Applicable modes and results : See Exhibit 9 Test Report for Radiated Spurious Emissions.

8UHF.7 Frequency Stability §2.1055

The requirements are, per §90.213, as follows:

Frequency Stability, Mobile				
	Band (MHz)	Power Output (W)	Channel Spacing (kHz)	Minimum Frequency Stability (ppm)
1	896-901	30	12.5	1.5
2	935-940	20	12.5	1.5

8UHF.7.1 Frequency Stability Vs. Temperature, §2.1055(a)Results:

The data was recorded, and parts-per-million stability was calculated and graphed and is shown below.

Frequency Stability vs. Temperature, fo=898.500 MHz			
Temperature (degrees C)	Frequency (MHz)	Error (Hz)	Error (ppm)
-30	898500552	552	0.61
-25	898500549	549	0.61
-20	898500687	687	0.76
-15	898500642	642	0.71
-10	898500512	512	0.57
-5	898500507	507	0.56
0	898500601	601	0.67
5	898500654	654	0.73
10	898500639	639	0.71
15	898500560	560	0.62
20	898500459	459	0.51
25	898500336	336	0.37
30	898500270	270	0.30
35	898500220	220	0.24
40	898500219	219	0.24
45	898500189	189	0.21
50	898500171	171	0.19
55	898500030	30	0.03
60	898499843	-157	-0.17

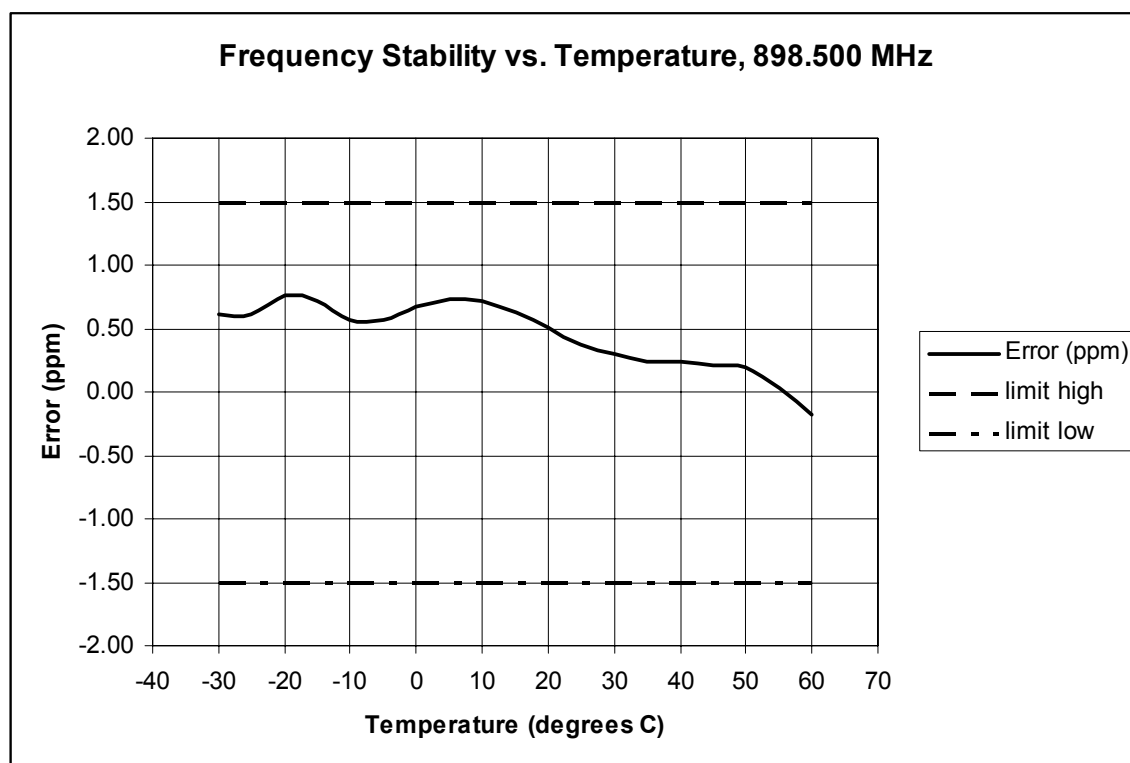


Figure 8UHF.7.1 Frequency Stability vs. Temperature, $f_0=898.500$ MHz

Frequency Stability vs. Temperature, fo=937.500 MHz			
Temperature (degrees C)	Frequency (MHz)	Error (Hz)	Error (ppm)
-30	937500567	567	0.6048
-25	937500567	567	0.60
-20	937500690	690	0.74
-15	937500680	680	0.73
-10	937500535	535	0.57
-5	937500533	533	0.57
0	937500627	627	0.67
5	937500681	681	0.73
10	937500663	663	0.71
15	937500590	590	0.63
20	937500470	470	0.50
25	937500348	348	0.37
30	937500269	269	0.29
35	937500220	220	0.23
40	937500230	230	0.25
45	937500207	207	0.22
50	937500183	183	0.20
55	937500014	14	0.01
60	937499843	-157	-0.17

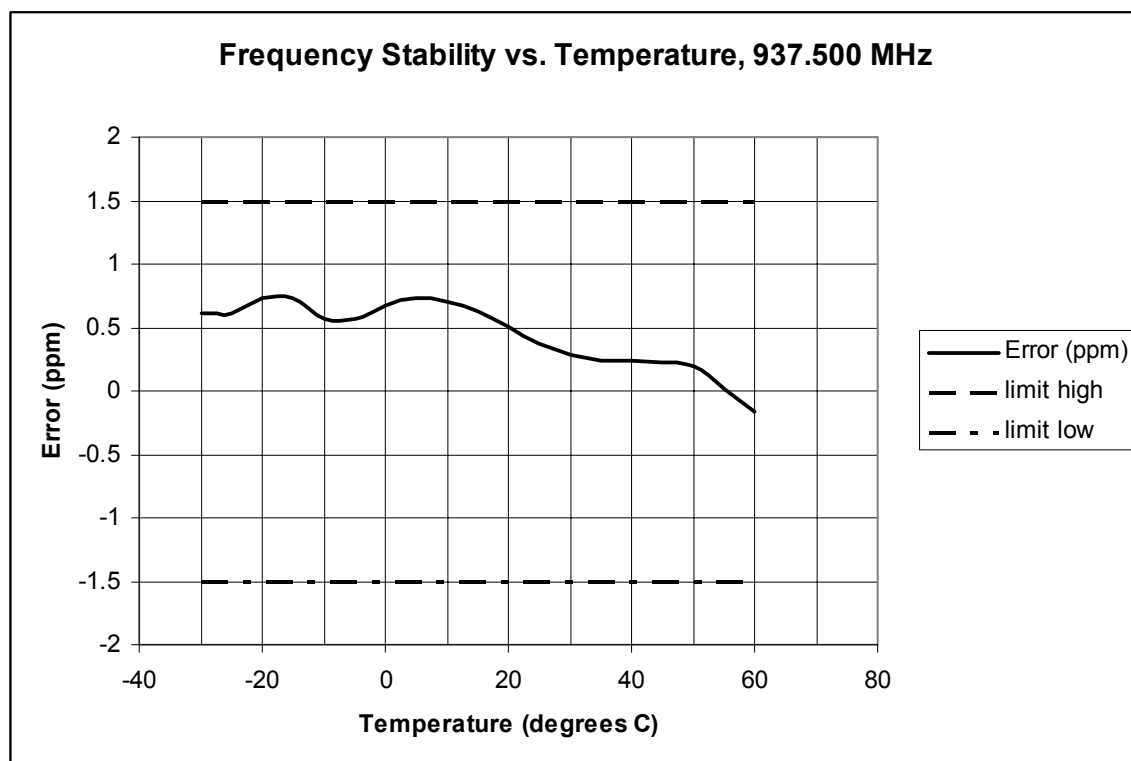


Figure 8UHF.7.2 Frequency Stability vs. Temperature, fo=937.500 MHz

8UHF.7.2 Frequency Stability Vs. Voltage, §2.1055(d)Results:

The data was recorded, parts-per-million stability calculated and graphed and is shown below.

Frequency Stability vs. Voltage, fo=898.500MHz					
	Power Supply Variation	Voltage (V)	Frequency (MHz)	Stability (ppm)	Limit (ppm)
1	85%	11.56	898500194	0.22	1.5
2	90%	12.24	898500193	0.21	1.5
3	95%	12.92	898500194	0.22	1.5
4	100%	13.6	898500191	0.21	1.5
5	105%	14.28	898500193	0.21	1.5
6	110%	14.96	898500193	0.21	1.5
7	115%	15.64	898500192	0.21	1.5

Frequency Stability vs. Voltage, fo=937.500 MHz					
	Power Supply Variation	Voltage (V)	Frequency (MHz)	Stability (ppm)	Limit (ppm)
1	85%	11.56	937500210	0.22	1.5
2	90%	12.24	937500210	0.22	1.5
3	95%	12.92	937500206	0.22	1.5
4	100%	13.6	937500206	0.22	1.5
5	105%	14.28	937500198	0.21	1.5
6	110%	14.96	937500203	0.22	1.5
7	115%	15.64	937500199	0.21	1.5