

RadioShack Corporation

Application
For
Certification
(FCC ID: AAO1901207)

RadioShack 19-1207

WO# 0010066
WL/at
September 18, 2000

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FCC ID: AAO1901207

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INTERTEK TESTING SERVICES

MEASUREMENT/TECHNICAL REPORT

Application : Radioshack Corporation
Trade Name/Model No : RadioShack 19-1207
Date : September 18, 2000

This report concerns (check one:) Original Grant ☒ Class II Change _____

Equipment Type: UHF Transceiver

Deferred grant requested per 47 CFR 0.457(d)(1)(ii)? Yes _____ No ☒

If yes, defer until: _____
date

Company Name agrees to notify the Commission by: _____
date

of the intended date of announcement of the product so that the grant can be issued on that date.

Report prepared by:

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List of attached file

Exhibit type	File Description	Filename
Cover Letter	Letter of Agency	letter.pdf
Operation Description	Technical Description	descri.pdf
Test Report	Bandwidth Plot	bw.pdf
Test Report	Modulation Frequency Response	mfr.pdf
Test Report	Modulation Limit Characteristic	mlc.pdf
Test Report	Spurious Emission	spurious.pdf
Block Diagram	Block Diagram	block.pdf
Schematics	Circuit Diagram	circuit.pdf
ID Label/Location	Label Artwork and Location	label.pdf
User Manual	User Manual	manual.pdf
Test Report	Transient Frequency Behavior	tfb.pdf
Test Report	Test Report	report.doc
Test Setup Photo	Radiated Emission	radiated1.jpg to radiated2.jpg
Internal Photo	Internal Photo	ipphoto1.jpg to ipphoto2.jpg
External Photo	External Photo	ophoto1.jpg to ophoto2.jpg

EXHIBIT 1

GENERAL DESCRIPTION

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1.0 **General Description**

1.1 Product Description

The 19-1207 is a 683 channel UHF transceiver. The unit is powered from rechargeable battery (6 Volts)

Transmitter portion:

- i) Type of emission: 6K00F3E
- ii) Frequency Range: 461.0375MHz to 469.5625MHz
- iii) Maximum Power Rating: 1.67W
- iv) Channel Separation: 12.5kHz
- v) No. of channels: 683

The brief circuit description is saved with filename: descri.pdf

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1.2 Related Submittal(s) Grants

This is an Application for Certification of the transmitter portion of a UHF Transceiver. The receiver section of the UHF Transceiver is subject to verification process.

1.3 Test Methodology

Radiated emission measurements were performed according to the procedures in ANSI C63.4 (1992). All measurement were performed in Open Area Test Sites. Preliminary scans were performed in the Open Area Test Sites only to determine worst case modes. For each scan, the procedure of maximizing emissions in Appendices D and E were followed. All Radiated tests were performed at an antenna the EUT distance of 3 meters, unless stated otherwise in the **“Justification Section”** of this Application.

1.4 Test Facility

The open area test site and conducted measurement facility used to collect the emission data is located at Garment Centre, 576 Castle Peak Road, Kowloon, Hong Kong. The test facility and site measurement data have been fully placed on file with the FCC.

EXHIBIT 2
SYSTEM TEST CONFIGURATION

2.0 **System Test Configuration**

2.1 Justification

The device was configured for testing in a typical fashion (as a customer would normally use it). The device was placed on a turntable, which enabled the engineer to maximize emissions through its placement in the three orthogonal axes. When the radiated emissions are measured.

The device was powered by 6V rechargeable battery.

The frequency range from 30 MHz to 10th harmonics was searched for spurious emissions from the device. Only those emissions reported were detected. All other emissions were at least 20 dB below the applicable limits.

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2.2 EUT Exercising Software

There was no special software to exercise the device. Once the unit is powered on, a signal is transmitted.

2.3 Special Accessories

A special headset is provided by client for compliance of this device.

2.4 Equipment Modification

Any modification installed previous to testing by RadioShack Corporation will be incorporated in each production model sold/leased in the United States.

No modification were installed by Intertek Testing Services.

Confirmed by:

*Wilson Loke
Manager
Intertek Testing Services
Agent for RadioShack Corporation*



Signature

October 11, 2000 Date

EXHIBIT 3

RF POWER OUTPUT

INTERTEK TESTING SERVICES

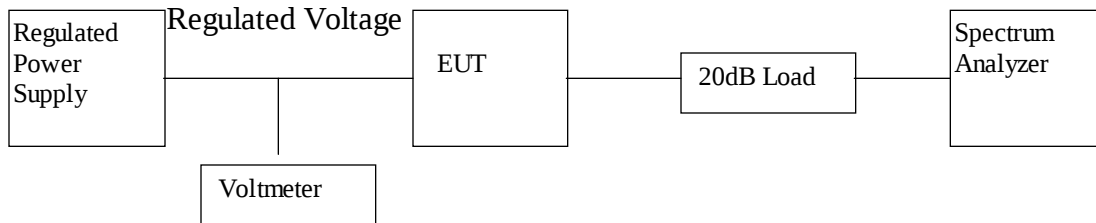
3.0 **RF Power Output (Section 2.985(a))**

A. Equipment Used

Equipment	Brand Name	Model No.
Regulated Power Supply	PAD	35-30L
Voltmeter	Fluke	87
Spectrum Analyzer	Hewlett Packard	8591EM
20dB RF Load	Bird	8304-200-N

B. Testing Procedure

- 1) Setup the test equipment in the following configuration:



- 2) Measure the power of all channels (2 channels) by Spectrum Analyzer in Watt.
- 3) Calculate the actual power by times the measured power with a correction factor, 104.7*
ie. Actual Power = measured Power * 104.7

* The Correction Factor is included the 20dB Load and cable loss between EUT and 20dB load.

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Table 1 (Ch.1 to Ch.60)
RadioShack Corporation
RadioShack 19-1207

Transmission Power

Limit : 2W

Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)	Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)
1	461.0375	0.016	1.67	31	461.4125	0.016	1.67
2	461.0500	0.016	1.67	32	461.4250	0.016	1.67
3	461.0625	0.016	1.67	33	461.4375	0.016	1.67
4	461.0750	0.016	1.67	34	461.4500	0.016	1.67
5	461.0875	0.016	1.67	35	461.4625	0.016	1.67
6	461.1000	0.016	1.67	36	461.4750	0.016	1.67
7	461.1125	0.016	1.67	37	461.4875	0.016	1.67
8	461.1250	0.016	1.67	38	461.5000	0.016	1.67
9	461.1375	0.016	1.67	39	461.5125	0.016	1.67
10	461.1500	0.016	1.67	40	461.5250	0.016	1.67
11	461.1625	0.016	1.67	41	461.5375	0.016	1.67
12	461.1750	0.016	1.67	42	461.5500	0.016	1.67
13	461.1875	0.016	1.67	43	461.5625	0.016	1.67
14	461.2000	0.016	1.67	44	461.5750	0.016	1.67
15	461.2125	0.016	1.67	45	461.5875	0.016	1.67
16	461.2250	0.016	1.67	46	461.6000	0.016	1.67
17	461.2375	0.016	1.67	47	461.6125	0.016	1.67
18	461.2500	0.016	1.67	48	461.6250	0.016	1.67
19	461.2625	0.016	1.67	49	461.6375	0.016	1.67
20	461.2750	0.016	1.67	50	461.6500	0.016	1.67
21	461.2875	0.016	1.67	51	461.6625	0.016	1.67
22	461.3000	0.016	1.67	52	461.6750	0.016	1.67
23	461.3125	0.016	1.67	53	461.6875	0.016	1.67
24	461.3250	0.016	1.67	54	461.7000	0.016	1.67
25	461.3375	0.016	1.67	55	461.7125	0.016	1.67
26	461.3500	0.016	1.67	56	461.7250	0.016	1.67
27	461.3625	0.016	1.67	57	461.7375	0.016	1.67
28	461.3750	0.016	1.67	58	461.7500	0.016	1.67
29	461.3875	0.016	1.67	59	461.7625	0.016	1.67
30	461.4000	0.016	1.67	60	461.7750	0.016	1.67

INTERTEK TESTING SERVICES

Table 1 (Ch.61 to Ch.120)

**RadioShack Corporation
RadioShack 19-1207**

Transmission Power

Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)	Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)
61	461.7875	0.016	1.67	91	462.1625	0.016	1.67
62	461.8000	0.016	1.67	92	462.1750	0.016	1.67
63	461.8125	0.016	1.67	93	462.1875	0.016	1.67
64	461.8250	0.016	1.67	94	462.2000	0.016	1.67
65	461.8375	0.016	1.67	95	462.2125	0.016	1.67
66	461.8500	0.016	1.67	96	462.2250	0.016	1.67
67	461.8625	0.016	1.67	97	462.2375	0.016	1.67
68	461.8750	0.016	1.67	98	462.2500	0.016	1.67
69	461.8875	0.016	1.67	99	462.2625	0.016	1.67
70	461.9000	0.016	1.67	100	462.2750	0.016	1.67
71	461.9125	0.016	1.67	101	462.2875	0.016	1.67
72	461.9250	0.016	1.67	102	462.3000	0.016	1.67
73	461.9375	0.016	1.67	103	462.3125	0.016	1.67
74	461.9500	0.016	1.67	104	462.3250	0.016	1.67
75	461.9625	0.016	1.67	105	462.3375	0.016	1.67
76	461.9750	0.016	1.67	106	462.3500	0.016	1.67
77	461.9875	0.016	1.67	107	462.3625	0.016	1.67
78	462.0000	0.016	1.67	108	462.3750	0.016	1.67
79	462.0125	0.016	1.67	109	462.3875	0.016	1.67
80	462.0250	0.016	1.67	110	462.4000	0.016	1.67
81	462.0375	0.016	1.67	111	462.4125	0.016	1.67
82	462.0500	0.016	1.67	112	462.4250	0.016	1.67
83	462.0625	0.016	1.67	113	462.4375	0.016	1.67
84	462.0750	0.016	1.67	114	462.4500	0.016	1.67
85	462.0875	0.016	1.67	115	462.4625	0.016	1.67
86	462.1000	0.016	1.67	116	462.4750	0.016	1.67
87	462.1125	0.016	1.67	117	462.4875	0.016	1.67
88	462.1250	0.016	1.67	118	462.5000	0.016	1.67
89	462.1375	0.016	1.67	119	462.5125	0.016	1.67
90	462.1500	0.016	1.67	120	462.5250	0.016	1.67

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Table 1 (Ch.121 to Ch.180)

**RadioShack Corporation
RadioShack 19-1207**

Transmission Power

Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)	Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)
121	462.5375	0.016	1.67	151	462.9125	0.016	1.67
122	462.5500	0.016	1.67	152	462.9250	0.016	1.67
123	462.5625	0.016	1.67	153	462.9375	0.016	1.67
124	462.5750	0.016	1.67	154	462.9500	0.016	1.67
125	462.5875	0.016	1.67	155	462.9625	0.016	1.67
126	462.6000	0.016	1.67	156	462.9750	0.016	1.67
127	462.6125	0.016	1.67	157	462.9875	0.016	1.67
128	462.6250	0.016	1.67	158	463.0000	0.016	1.67
129	462.6375	0.016	1.67	159	463.0125	0.016	1.67
130	462.6500	0.016	1.67	160	463.0250	0.016	1.67
131	462.6625	0.016	1.67	161	463.0375	0.016	1.67
132	462.6750	0.016	1.67	162	463.0500	0.016	1.67
133	462.6875	0.016	1.67	163	463.0625	0.016	1.67
134	462.7000	0.016	1.67	164	463.0750	0.016	1.67
135	462.7125	0.016	1.67	165	463.0875	0.016	1.67
136	462.7250	0.016	1.67	166	463.1000	0.016	1.67
137	462.7375	0.016	1.67	167	463.1125	0.016	1.67
138	462.7500	0.016	1.67	168	463.1250	0.016	1.67
139	462.7625	0.016	1.67	169	463.1375	0.016	1.67
140	462.7750	0.016	1.67	170	463.1500	0.016	1.67
141	462.7875	0.016	1.67	171	463.1625	0.016	1.67
142	462.8000	0.016	1.67	172	463.1750	0.016	1.67
143	462.8125	0.016	1.67	173	463.1875	0.016	1.67
144	462.8250	0.016	1.67	174	463.2000	0.016	1.67
145	462.8375	0.016	1.67	175	463.2125	0.016	1.67
146	462.8500	0.016	1.67	176	463.2250	0.016	1.67
147	462.8625	0.016	1.67	177	463.2375	0.016	1.67
148	462.8750	0.016	1.67	178	463.2500	0.016	1.67
149	462.8875	0.016	1.67	179	463.2625	0.016	1.67
150	462.9000	0.016	1.67	180	463.2750	0.016	1.67

INTERTEK TESTING SERVICES

Table 1 (Ch.181 to Ch.240)

**RadioShack Corporation
RadioShack 19-1207**

Transmission Power

Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)	Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)
181	463.2875	0.016	1.67	211	463.6625	0.016	1.67
182	463.3000	0.016	1.67	212	463.6750	0.016	1.67
183	463.3125	0.016	1.67	213	463.6875	0.016	1.67
184	463.3250	0.016	1.67	214	463.7000	0.016	1.67
185	463.3375	0.016	1.67	215	463.7125	0.016	1.67
186	463.3500	0.016	1.67	216	463.7250	0.016	1.67
187	463.3625	0.016	1.67	217	463.7375	0.016	1.67
188	463.3750	0.016	1.67	218	463.7500	0.016	1.67
189	463.3875	0.016	1.67	219	463.7625	0.016	1.67
190	463.4000	0.016	1.67	220	463.7750	0.016	1.67
191	463.4125	0.016	1.67	221	463.7875	0.016	1.67
192	463.4250	0.016	1.67	222	463.8000	0.016	1.67
193	463.4375	0.016	1.67	223	463.8125	0.016	1.67
194	463.4500	0.016	1.67	224	463.8250	0.016	1.67
195	463.4625	0.016	1.67	225	463.8375	0.016	1.67
196	463.4750	0.016	1.67	226	463.8500	0.016	1.67
197	463.4875	0.016	1.67	227	463.8625	0.016	1.67
198	463.5000	0.016	1.67	228	463.8750	0.016	1.67
199	463.5125	0.016	1.67	229	463.8875	0.016	1.67
200	463.5250	0.016	1.67	230	463.9000	0.016	1.67
201	463.5375	0.016	1.67	231	463.9125	0.016	1.67
202	463.5500	0.016	1.67	232	463.9250	0.016	1.67
203	463.5625	0.016	1.67	233	463.9375	0.016	1.67
204	463.5750	0.016	1.67	234	463.9500	0.016	1.67
205	463.5875	0.016	1.67	235	463.9625	0.016	1.67
206	463.6000	0.016	1.67	236	463.9750	0.016	1.67
207	463.6125	0.016	1.67	237	463.9875	0.016	1.67
208	463.6250	0.016	1.67	238	464.0000	0.016	1.67
209	463.6375	0.016	1.67	239	464.0125	0.016	1.67
210	463.6500	0.016	1.67	240	464.0250	0.016	1.67

INTERTEK TESTING SERVICES

Table 1 (Ch.241 to Ch.300)

**RadioShack Corporation
RadioShack 19-1207**

Transmission Power

Ch	Frequency (M H z)	M easured Freq. (M H z)	To l erance (%)	Ch	Frequency (M H z)	M easured Freq. (M H z)	To l erance (%)
241	464.0375	464.03762	-0.000026	271	464.4125	464.41252	-0.000004
242	464.0500	464.05011	-0.000024	272	464.4250	464.42501	-0.000002
243	464.0625	464.06261	-0.000024	273	464.4375	464.43751	-0.000002
244	464.0750	464.07510	-0.000022	274	464.4500	464.45000	0.000000
245	464.0875	464.08760	-0.000022	275	464.4625	464.46249	0.000002
246	464.1000	464.10009	-0.000019	276	464.4750	464.47499	0.000002
247	464.1125	464.11258	-0.000017	277	464.4875	464.48748	0.000004
248	464.1250	464.12508	-0.000017	278	464.5000	464.49998	0.000004
249	464.1375	464.13757	-0.000015	279	464.5125	464.51248	0.000004
250	464.1500	464.15005	-0.000011	280	464.5250	464.52498	0.000004
251	464.1625	464.16255	-0.000011	281	464.5375	464.53747	0.000006
252	464.1750	464.17505	-0.000011	282	464.5500	464.54997	0.000006
253	464.1875	464.18754	-0.000009	283	464.5625	464.56247	0.000006
254	464.2000	464.20004	-0.000009	284	464.5750	464.57497	0.000006
255	464.2125	464.21254	-0.000009	285	464.5875	464.58747	0.000006
256	464.2250	464.22504	-0.000009	286	464.6000	464.59997	0.000006
257	464.2375	464.23754	-0.000009	287	464.6125	464.61246	0.000009
258	464.2500	464.25003	-0.000006	288	464.6250	464.62496	0.000009
259	464.2625	464.26253	-0.000006	289	464.6375	464.63746	0.000009
260	464.2750	464.27503	-0.000006	290	464.6500	464.64997	0.000006
261	464.2875	464.28752	-0.000004	291	464.6625	464.66248	0.000004
262	464.3000	464.30002	-0.000004	292	464.6750	464.67499	0.000002
263	464.3125	464.31252	-0.000004	293	464.6875	464.68749	0.000002
264	464.3250	464.32502	-0.000004	294	464.7000	464.69999	0.000002
265	464.3375	464.33752	-0.000004	295	464.7125	464.71249	0.000002
266	464.3500	464.35002	-0.000004	296	464.7250	464.72499	0.000002
267	464.3625	464.36252	-0.000004	297	464.7375	464.73748	0.000004
268	464.3750	464.37502	-0.000004	298	464.7500	464.74998	0.000004
269	464.3875	464.38752	-0.000004	299	464.7625	464.76248	0.000004
270	464.4000	464.40002	-0.000004	300	464.7750	464.77498	0.000004

INTERTEK TESTING SERVICES

Table 1 (Ch.301 to Ch.360)

**RadioShack Corporation
RadioShack 19-1207**

Transmission Power

Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)	Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)
301	464.7875	0.016	1.67	331	465.1625	0.016	1.67
302	464.8000	0.016	1.67	332	465.1750	0.016	1.67
303	464.8125	0.016	1.67	333	465.1875	0.016	1.67
304	464.8250	0.016	1.67	334	465.2000	0.016	1.67
305	464.8375	0.016	1.67	335	465.2125	0.016	1.67
306	464.8500	0.016	1.67	336	465.2250	0.016	1.67
307	464.8625	0.016	1.67	337	465.2375	0.016	1.67
308	464.8750	0.016	1.67	338	465.2500	0.016	1.67
309	464.8875	0.016	1.67	339	465.2625	0.016	1.67
310	464.9000	0.016	1.67	340	465.2750	0.016	1.67
311	464.9125	0.016	1.67	341	465.2875	0.016	1.67
312	464.9250	0.016	1.67	342	465.3000	0.016	1.67
313	464.9375	0.016	1.67	343	465.3125	0.016	1.67
314	464.9500	0.016	1.67	344	465.3250	0.016	1.67
315	464.9625	0.016	1.67	345	465.3375	0.016	1.67
316	464.9750	0.016	1.67	346	465.3500	0.016	1.67
317	464.9875	0.016	1.67	347	465.3625	0.016	1.67
318	465.0000	0.016	1.67	348	465.3750	0.016	1.67
319	465.0125	0.016	1.67	349	465.3875	0.016	1.67
320	465.0250	0.016	1.67	350	465.4000	0.016	1.67
321	465.0375	0.016	1.67	351	465.4125	0.016	1.67
322	465.0500	0.016	1.67	352	465.4250	0.016	1.67
323	465.0625	0.016	1.67	353	465.4375	0.016	1.67
324	465.0750	0.016	1.67	354	465.4500	0.016	1.67
325	465.0875	0.016	1.67	355	465.4625	0.016	1.67
326	465.1000	0.016	1.67	356	465.4750	0.016	1.67
327	465.1125	0.016	1.67	357	465.4875	0.016	1.67
328	465.1250	0.016	1.67	358	465.5000	0.016	1.67
329	465.1375	0.016	1.67	359	465.5125	0.016	1.67
330	465.1500	0.016	1.67	360	465.5250	0.016	1.67

INTERTEK TESTING SERVICES

Table 1 (Ch.361 to Ch.420)

**RadioShack Corporation
RadioShack 19-1207**

Transmission Power

Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)	Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)
361	465.5375	0.016	1.67	391	465.9125	0.016	1.67
362	465.5500	0.016	1.67	392	465.9250	0.016	1.67
363	465.5625	0.016	1.67	393	465.9375	0.016	1.67
364	465.5750	0.016	1.67	394	465.9500	0.016	1.67
365	465.5875	0.016	1.67	395	465.9625	0.016	1.67
366	465.6000	0.016	1.67	396	465.9750	0.016	1.67
367	465.6125	0.016	1.67	397	465.9875	0.016	1.67
368	465.6250	0.016	1.67	398	466.0000	0.016	1.67
369	465.6375	0.016	1.67	399	466.0125	0.016	1.67
370	465.6500	0.016	1.67	400	466.0250	0.016	1.67
371	465.6625	0.016	1.67	401	466.0375	0.016	1.67
372	465.6750	0.016	1.67	402	466.0500	0.016	1.67
373	465.6875	0.016	1.67	403	466.0625	0.016	1.67
374	465.7000	0.016	1.67	404	466.0750	0.016	1.67
375	465.7125	0.016	1.67	405	466.0875	0.016	1.67
376	465.7250	0.016	1.67	406	466.1000	0.016	1.67
377	465.7375	0.016	1.67	407	466.1125	0.016	1.67
378	465.7500	0.016	1.67	408	466.1250	0.016	1.67
379	465.7625	0.016	1.67	409	466.1375	0.016	1.67
380	465.7750	0.016	1.67	410	466.1500	0.016	1.67
381	465.7875	0.016	1.67	411	466.1625	0.016	1.67
382	465.8000	0.016	1.67	412	466.1750	0.016	1.67
383	465.8125	0.016	1.67	413	466.1875	0.016	1.67
384	465.8250	0.016	1.67	414	466.2000	0.016	1.67
385	465.8375	0.016	1.67	415	466.2125	0.016	1.67
386	465.8500	0.016	1.67	416	466.2250	0.016	1.67
387	465.8625	0.016	1.67	417	466.2375	0.016	1.67
388	465.8750	0.016	1.67	418	466.2500	0.016	1.67
389	465.8875	0.016	1.67	419	466.2625	0.016	1.67
390	465.9000	0.016	1.67	420	466.2750	0.016	1.67

INTERTEK TESTING SERVICES

Table 1 (Ch.421 to Ch.480)

**RadioShack Corporation
RadioShack 19-1207**

Transmission Power

Ch	Frequency (M Hz)	M easured Power (W)	N et Power (W)	Ch	Frequency (M Hz)	M easured Power (W)	N et Power (W)
421	466.2875	0.016	1.67	451	466.6625	0.016	1.67
422	466.3000	0.016	1.67	452	466.6750	0.016	1.67
423	466.3125	0.016	1.67	453	466.6875	0.016	1.67
424	466.3250	0.016	1.67	454	466.7000	0.016	1.67
425	466.3375	0.016	1.67	455	466.7125	0.016	1.67
426	466.3500	0.016	1.67	456	466.7250	0.016	1.67
427	466.3625	0.016	1.67	457	466.7375	0.016	1.67
428	466.3750	0.016	1.67	458	466.7500	0.016	1.67
429	466.3875	0.016	1.67	459	466.7625	0.016	1.67
430	466.4000	0.016	1.67	460	466.7750	0.016	1.67
431	466.4125	0.016	1.67	461	466.7875	0.016	1.67
432	466.4250	0.016	1.67	462	466.8000	0.016	1.67
433	466.4375	0.016	1.67	463	466.8125	0.016	1.67
434	466.4500	0.016	1.67	464	466.8250	0.016	1.67
435	466.4625	0.016	1.67	465	466.8375	0.016	1.67
436	466.4750	0.016	1.67	466	466.8500	0.016	1.67
437	466.4875	0.016	1.67	467	466.8625	0.016	1.67
438	466.5000	0.016	1.67	468	466.8750	0.016	1.67
439	466.5125	0.016	1.67	469	466.8875	0.016	1.67
440	466.5250	0.016	1.67	470	466.9000	0.016	1.67
441	466.5375	0.016	1.67	471	466.9125	0.016	1.67
442	466.5500	0.016	1.67	472	466.9250	0.016	1.67
443	466.5625	0.016	1.67	473	466.9375	0.016	1.67
444	466.5750	0.016	1.67	474	466.9500	0.016	1.67
445	466.5875	0.016	1.67	475	466.9625	0.016	1.67
446	466.6000	0.016	1.67	476	466.9750	0.016	1.67
447	466.6125	0.016	1.67	477	466.9875	0.016	1.67
448	466.6250	0.016	1.67	478	467.0000	0.016	1.67
449	466.6375	0.016	1.67	479	467.0125	0.016	1.67
450	466.6500	0.016	1.67	480	467.0250	0.016	1.67

INTERTEK TESTING SERVICES

Table 1 (Ch.481 to Ch.540)

**RadioShack Corporation
RadioShack 19-1207**

Transmission Power

Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)	Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)
481	467.0375	0.016	1.67	511	467.4125	0.016	1.67
482	467.0500	0.016	1.67	512	467.4250	0.016	1.67
483	467.0625	0.016	1.67	513	467.4375	0.016	1.67
484	467.0750	0.016	1.67	514	467.4500	0.016	1.67
485	467.0875	0.016	1.67	515	467.4625	0.016	1.67
486	467.1000	0.016	1.67	516	467.4750	0.016	1.67
487	467.1125	0.016	1.67	517	467.4875	0.016	1.67
488	467.1250	0.016	1.67	518	467.5000	0.016	1.67
489	467.1375	0.016	1.67	519	467.5125	0.016	1.67
490	467.1500	0.016	1.67	520	467.5250	0.016	1.67
491	467.1625	0.016	1.67	521	467.5375	0.016	1.67
492	467.1750	0.016	1.67	522	467.5500	0.016	1.67
493	467.1875	0.016	1.67	523	467.5625	0.016	1.67
494	467.2000	0.016	1.67	524	467.5750	0.016	1.67
495	467.2125	0.016	1.67	525	467.5875	0.016	1.67
496	467.2250	0.016	1.67	526	467.6000	0.016	1.67
497	467.2375	0.016	1.67	527	467.6125	0.016	1.67
498	467.2500	0.016	1.67	528	467.6250	0.016	1.67
499	467.2625	0.016	1.67	529	467.6375	0.016	1.67
500	467.2750	0.016	1.67	530	467.6500	0.016	1.67
501	467.2875	0.016	1.67	531	467.6625	0.016	1.67
502	467.3000	0.016	1.67	532	467.6750	0.016	1.67
503	467.3125	0.016	1.67	533	467.6875	0.016	1.67
504	467.3250	0.016	1.67	534	467.7000	0.016	1.67
505	467.3375	0.016	1.67	535	467.7125	0.016	1.67
506	467.3500	0.016	1.67	536	467.7250	0.016	1.67
507	467.3625	0.016	1.67	537	467.7375	0.016	1.67
508	467.3750	0.016	1.67	538	467.7500	0.016	1.67
509	467.3875	0.016	1.67	539	467.7625	0.016	1.67
510	467.4000	0.016	1.67	540	467.7750	0.016	1.67

INTERTEK TESTING SERVICES

Table 1 (Ch.541 to Ch.600)

**RadioShack Corporation
RadioShack 19-1207**

Transmission Power

Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)	Ch	Frequency (M H z)	M easured Freq. (M H z)	To.lerance (%)
541	467.7875	0.067	1.67	571	468.1625	0.067	1.67
542	467.8000	0.067	1.67	572	468.1750	0.067	1.67
543	467.8125	0.067	1.67	573	468.1875	0.067	1.67
544	467.8250	0.067	1.67	574	468.2000	0.067	1.67
545	467.8375	0.067	1.67	575	468.2125	0.067	1.67
546	467.8500	0.067	1.67	576	468.2250	0.067	1.67
547	467.8625	0.067	1.67	577	468.2375	0.067	1.67
548	467.8750	0.067	1.67	578	468.2500	0.067	1.67
549	467.8875	0.067	1.67	579	468.2625	0.067	1.67
550	467.9000	0.067	1.67	580	468.2750	0.067	1.67
551	467.9125	0.067	1.67	581	468.2875	0.067	1.67
552	467.9250	0.067	1.67	582	468.3000	0.067	1.67
553	467.9375	0.067	1.67	583	468.3125	0.067	1.67
554	467.9500	0.067	1.67	584	468.3250	0.067	1.67
555	467.9625	0.067	1.67	585	468.3375	0.067	1.67
556	467.9750	0.067	1.67	586	468.3500	0.067	1.67
557	467.9875	0.067	1.67	587	468.3625	0.067	1.67
558	468.0000	0.067	1.67	588	468.3750	0.067	1.67
559	468.0125	0.067	1.67	589	468.3875	0.067	1.67
560	468.0250	0.067	1.67	590	468.4000	0.067	1.67
561	468.0375	0.067	1.67	591	468.4125	0.067	1.67
562	468.0500	0.067	1.67	592	468.4250	0.067	1.67
563	468.0625	0.067	1.67	593	468.4375	0.067	1.67
564	468.0750	0.067	1.67	594	468.4500	0.067	1.67
565	468.0875	0.067	1.67	595	468.4625	0.067	1.67
566	468.1000	0.067	1.67	596	468.4750	0.067	1.67
567	468.1125	0.067	1.67	597	468.4875	0.067	1.67
568	468.1250	0.067	1.67	598	468.5000	0.067	1.67
569	468.1375	0.067	1.67	599	468.5125	0.067	1.67
570	468.1500	0.067	1.67	600	468.5250	0.067	1.67

INTERTEK TESTING SERVICES

Table 1 (Ch.601 to Ch.660)

**RadioShack Corporation
RadioShack 19-1207**

Transmission Power

Ch	Frequency (M H z)	M easured Power (W	Net Power (W)	Ch	Frequency (M H z)	M easured Power (W	Net Power (W)
601	468.5375	0.067	1.67	631	468.9125	0.067	1.67
602	468.5500	0.067	1.67	632	468.9250	0.067	1.67
603	468.5625	0.067	1.67	633	468.9375	0.067	1.67
604	468.5750	0.067	1.67	634	468.9500	0.067	1.67
605	468.5875	0.067	1.67	635	468.9625	0.067	1.67
606	468.6000	0.067	1.67	636	468.9750	0.067	1.67
607	468.6125	0.067	1.67	637	468.9875	0.067	1.67
608	468.6250	0.067	1.67	638	469.0000	0.067	1.67
609	468.6375	0.067	1.67	639	469.0125	0.067	1.67
610	468.6500	0.067	1.67	640	469.0250	0.067	1.67
611	468.6625	0.067	1.67	641	469.0375	0.067	1.67
612	468.6750	0.067	1.67	642	469.0500	0.067	1.67
613	468.6875	0.067	1.67	643	469.0625	0.067	1.67
614	468.7000	0.067	1.67	644	469.0750	0.067	1.67
615	468.7125	0.067	1.67	645	469.0875	0.067	1.67
616	468.7250	0.067	1.67	646	469.1000	0.067	1.67
617	468.7375	0.067	1.67	647	469.1125	0.067	1.67
618	468.7500	0.067	1.67	648	469.1250	0.067	1.67
619	468.7625	0.067	1.67	649	469.1375	0.067	1.67
620	468.7750	0.067	1.67	650	469.1500	0.067	1.67
621	468.7875	0.067	1.67	651	469.1625	0.067	1.67
622	468.8000	0.067	1.67	652	469.1750	0.067	1.67
623	468.8125	0.067	1.67	653	469.1875	0.067	1.67
624	468.8250	0.067	1.67	654	469.2000	0.067	1.67
625	468.8375	0.067	1.67	655	469.2125	0.067	1.67
626	468.8500	0.067	1.67	656	469.2250	0.067	1.67
627	468.8625	0.067	1.67	657	469.2375	0.067	1.67
628	468.8750	0.067	1.67	658	469.2500	0.067	1.67
629	468.8875	0.067	1.67	659	469.2625	0.067	1.67
630	468.9000	0.067	1.67	660	469.2750	0.067	1.67

INTERTEK TESTING SERVICES

C. Test Result

Table 1 (Ch.661 to Ch.683)

**RadioShack Corporation
RadioShack 19-1207**

Transmission Power

Ch	Frequency (M H z)	M easured Power (W)	Net Power (W)
661	469.2875	0.067	1.67
662	469.3000	0.067	1.67
663	469.3125	0.067	1.67
664	469.3250	0.067	1.67
665	469.3375	0.067	1.67
666	469.3500	0.067	1.67
667	469.3625	0.067	1.67
668	469.3750	0.067	1.67
669	469.3875	0.067	1.67
670	469.4000	0.067	1.67
671	469.4125	0.067	1.67
672	469.4250	0.067	1.67
673	469.4375	0.067	1.67
674	469.4500	0.067	1.67
675	469.4625	0.067	1.67
676	469.4750	0.067	1.67
677	469.4875	0.067	1.67
678	469.5000	0.067	1.67
679	469.5125	0.067	1.67
680	469.5250	0.067	1.67
681	469.5375	0.067	1.67
682	469.5500	0.067	1.67
683	469.5625	0.067	1.67

EXHIBIT 4

MODULATION CHARACTERISTICS

4.0 **Modulation Characteristics**

In order to satisfy the 2.1047 requirement, Modulation Frequency Response and Modulation Limit Characteristics are attached in Exhibit 4.1 & 4.2.

Plots for each tests are saved with filename: mfr.pdf and mlc.

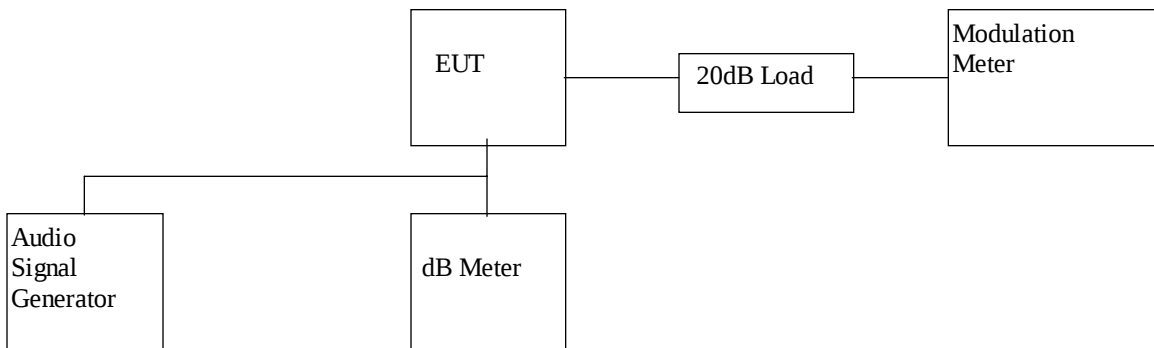
4.1 Modulation Frequency Response

A. Test Equipment

Equipment	Brand Name	Model No.
Audio Signal Generator	Leader	LFG-1300S
dB meter	Leader	LMV-182A
20 dB RF Load	Bird	8304-200-N
Modulation Meter	Marconi Instrument	2945

B. Testing Procedure

- 1) Set-up the test equipment in the following configuration:



- 2) Set the audio signal generator frequency to the sound pressure level 97.0dB SPL at the microphone of the EUT.
- 3) The frequency of the audio signal generator is changed from 300Hz to 5kHz.
- 4) Record the frequency deviation.

INTERTEK TESTING SERVICES

C. Test Result

Table 2

RadioShack Corporation
RadioShack 19-1207

Modulation Frequency Response

Test Channel : 1

Input level = 97.0dB SPL

Modulation Frequency (Hz)	Modulation index (%)
200	0.45
300	0.40
400	0.50
500	0.60
600	0.57
700	0.51
800	0.56
900	0.56
1000	0.52
1250	0.62
1500	0.53
1750	0.71
2000	0.63
2250	0.67
2500	0.68
2750	0.44
3000	0.37
3125	0.36
3250	0.16
3500	0.07
4000	0.06
5000	0.02

Test Engineer: Billy C. M. Chow

Date of Test: September 15, 2000

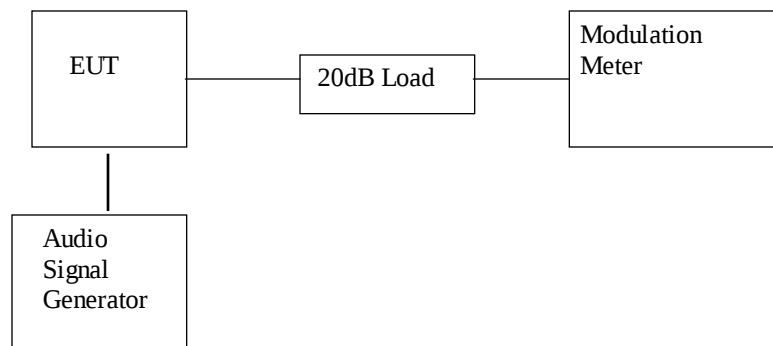
4.2 Modulation Limiting Characteristics (Section 2.1047)

A. Test Equipment

Equipment	Brand Name	Model No.
Audio Signal Generator	Leader	LFG-1300S
20 dB RF Load	Bird	8304-200-N
Modulation Meter	Marconi	2950

B. Testing Procedure

- 1) Set-up the test equipment in the following configuration:



- 2) Set the frequency of the audio signal generator to 500Hz and adjust the level from 47dBSPL to 127dBSPL.
- 3) Record the maximum value of plus or minus peak frequency deviation.
- 4) Repeat the above procedure with frequency 1000Hz, 2500Hz & 3125Hz.

INTERTEK TESTING SERVICES

C. Test Result

Table 3

**RadioShack Corporation
RadioShack 19-1207**

Modulation Limiting Characteristics

Test Channel : 1
Frequency: 461.0375MHz

M odulation Input (dB SPL)	Peak Frequency Deviation (kH z) at 500H z	Peak Frequency Deviation (kH z) at 1000H z	Peak Frequency Deviation (kH z) at 2500H z	Peak Frequency Deviation (kH z) at 3125H z
47	0.11	0.11	0.11	0.11
57	0.11	0.11	0.11	0.11
67	0.11	0.11	0.15	0.11
77	0.11	0.30	0.30	0.19
87	0.30	0.39	0.73	0.45
97	0.35	0.54	1.78	1.14
107	0.41	0.74	2.80	1.50
117	1.47	2.16	3.77	2.40
127	4.90	4.90	3.92	2.40
137	4.90	5.00	3.95	2.40

Test Engineer: Billy C. M. Chow

Date of Test: September 15, 2000

EXHIBIT 5

OCCUPIED BANDWIDTH

INTERTEK TESTING SERVICES

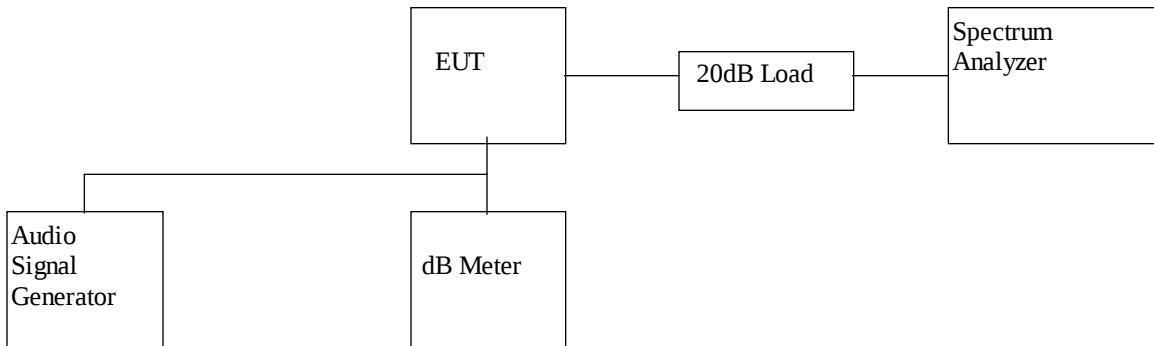
5.0 Occupied Bandwidth (Section 2.1049)

A. Test Equipment

Equipment	Brand Name	Model No.
Audio Signal Generator	Leader	LFG-1300S
dB meter	Leader	LMV-182A
20 dB RF Load	Bird	8304-200-N
Spectrum Analyzer	Hewlett Packard	8951EM

B. Testing Procedure

- 1) Set-up the test equipment in the following configuration:



- 2) Set the level of audio signal generator to obtain 16 dB greater than required for 50% modulation.
- 3) The occupied bandwidth is measured with the spectrum analyzer set at 5kHz/div scan and 10dB/div.

C. Test Result

The occupied Bandwidth is measured to be 5.94 kHz.

For the electronic filing, the bandwidth plot is saved with filename:
bw.pdf

Test Engineer: Billy C. M. Chow

Date of Test: September 15, 2000

EXHIBIT 6

SPURIOUS EMISSION

6.0 **Spurious Emission**

In order to satisfy the 2.991 & 2.993 requirement, the spurious emission from the antenna terminal and from the EUT are measured and shown in the Exhibit 6.1 & 6.2

INTERTEK TESTING SERVICES

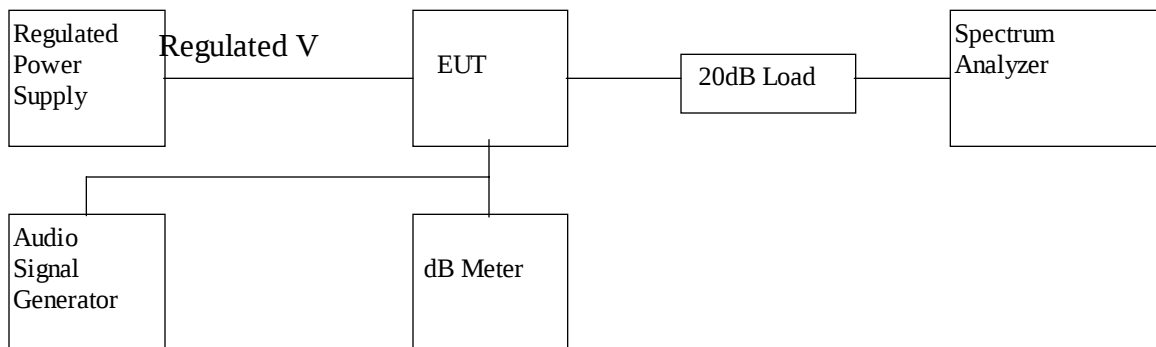
6.1 Spurious emission at the antenna terminal (Section 2.1051 & 90.210)

A. Test Equipment

Equipment	Brand Name	Model No.
Regulated Power Supply	PAD	30-35L
Audio Signal Generator	Leader	LFG-1300S
dB meter	Leader	LMV-182A
20 dB RF Load	Bird	8304-200-N
RF Filter	Tailithic	3VF
Spectrum Analyzer	Hewlett Packard	8951EM

B. Testing Procedure

- 1) Set-up the test equipment in the following configuration:



- 2) Set the level of audio signal generator to obtain 16 dB greater than required for 50% modulation.
- 3) Plot the graph of emissions with 62.5kHz span.
- 4) Measure the emissions relative to TP in region $\text{CARRIER} \pm 6.25\text{kHz}$ to $\text{CARRIER} \pm 12.5\text{kHz}$ from the plot.
- 5) Measure the emissions relative to TP from region $\text{CARRIER} \pm 12.5\text{kHz}$ to 31.25kHz.
- 6) Measure the emissions relative to TP from region $\text{CARRIER} \pm 31.25\text{kHz}$ to 1000MHz.

C. Test Result

RadioShack Corporation
RadioShack 19-1207
Table 5(a)

- 1) Unwanted emission from CARRIER $\pm 6.25\text{kHz}$ to Carrier $\pm 31.25\text{kHz}$ (Refer to the plots which is saved with filename: spurious.pdf)

Region	Unwanted emission	
	Channel 1	Channel 683
CARRIER $\pm 6.25\text{kHz}$ to $\pm 12.5\text{kHz}$	< 25dB	< 25dB
CARRIER $\pm 12.5\text{kHz}$ to $\pm 31.25\text{kHz}$	< 35dB	< 35dB

- 2) Unwanted emission from CARRIER $\pm 31.25\text{kHz}$ to 1000MHz

Table 5(b): Channel 1

Frequency (M H z)	Em ission relative to TP (dB)	L in it (dB)	M argin (dB)
923.1250	-61.0	-45.3	-15.7
1384.6875	-97.5	-45.3	-52.2
1846.2500	-95.6	-45.3	-50.3

- Remark:
1. ‘-’ sign in margin column shows the value below the limits.
 2. Any emissions and other harmonics which are attenuated more than 20dB below the permissible value need not be recorded.

Test Engineer: Billy C. M. Chow

Date of Test: September 15, 2000

INTERTEK TESTING SERVICES

Table 5(d): Channel 683

F r e q u e n c y (M H z)	E m i s s i o n r e l a t i v e t o T P (d B)	L i m i t (d B)	M a r g i n (d B)
939.1250	-61.2	-45.3	-15.9
1408.6875	-97.6	-45.3	-52.3
1878.2500	-96.2	-45.3	-50.9

- Remark:
1. ‘-’ sign in margin column shows the value below the limits.
 2. Any emissions and any other harmonics which are attenuated more than 20dB below the permissible value need not be recorded.

Test Engineer: Billy C. M. Chow

Date of Test: September 15, 2000

INTERTEK TESTING SERVICES

6.2 Field Strength of Spurious Radiation (Section 2.1053)

A. Test Equipment

Equipment	Brand Name	Model No.
Regulated Power Supply	PAD	30-35L
Antenna	CDI	B100,B200,B300
Test receiver	Rohde & Schwarz	ESVS30
RF Filter	Tailithic	3VF

B. Testing Procedure

Radiated emission measurements were performed according to the procedures in ANSI C63.4(1992). All measurements were performed in Open Area Test Sites located at Roof Top of Garment Centre, 576 Castle Peak Road, Kowloon, Hong Kong.

C. Radiated Emission Configuration Photograph

Worst Case Radiated Emission

Front View

C. Radiated Emission Configuration Photograph (cont.)

Worst Case Radiated Emission

Back View

INTERTEK TESTING SERVICES

D. Test Result

Table 6

**RadioShack Corporation
RadioShack 19-1207
Radiated Spurious Emissions**

Channel : 1

Antenna Polarity	Frequency (M H z)	Reading (dB μ V)	Antenna Factor (dB)	Calculated Net at 3m (dB μ V /m)	Calculated Limit at 3m * (dB μ V /m)	Margin (dB)
V	922.123	46.8	22.6	69.4	82.2	-12.8
V	1383.185	45.3	24.2	69.5	82.2	-12.7
V	1844.244	38.0	26.5	64.5	82.2	-17.7
H	2305.306	37.1	29.1	66.2	82.2	-16.0
H	2766.367	40.7	29.1	69.8	82.2	-12.4
V	3227.426	29.1	31.4	60.5	82.2	-21.7
H	3688.482	25.8	32.8	58.6	82.2	-23.6
H	4149.508	26.3	34.2	60.5	82.2	-21.7
V	4610.604	28.1	34.0	62.1	82.2	-20.1
V	5071.660	21.6	35.2	56.8	82.2	49.9

- Remark:
1. Quasi-peak data for emission below 1000MHz.
 2. ‘-’ sign in margin column shows the value below the limits.
 3. Any emissions and any other harmonics which are attenuated more than 20dB below the permissible value need not be recorded.
 4. Horn Antenna and average detector is used for emission over 1000MHz.

$$\begin{aligned} * \text{Calculated limit} &= 10 \log_{10} (\text{TP(W)}) - 43 - 10 \log_{10} (\text{TP}) \\ &= -43\text{dBW} \\ &= 82.2\text{dB}\mu\text{V/m at 3m} \end{aligned}$$

Test Engineer: Billy C. M. Chow

Date of Test: September 15, 2000

INTERTEK TESTING SERVICES

D. Test Result

Table 7

**RadioShack Corporation
RadioShack 19-1207
Radiated Spurious Emissions**

Channel : 683

Antenna Polarity	Frequency (M H z)	Reading (dB μ V)	Antenna Factor (dB)	Calculated Net at 3m (dB μ V /m)	Calculated Limit at 3m * (dB μ V /m)	M argin (dB)
V	939.173	46.9	22.8	69.7	82.2	-12.5
V	1408.759	44.4	24.2	68.6	82.2	-13.6
H	1878.344	35.9	26.5	62.4	82.2	-19.8
H	2347.930	37.7	29.1	66.8	82.2	-15.4
H	2817.516	41.8	29.1	70.9	82.2	-11.3
V	3287.102	28.2	31.4	59.6	82.2	-22.6
H	3756.688	26.8	32.8	59.6	82.2	-22.6
H	4226.274	26.2	34.2	60.4	82.2	-21.8
V	4695.860	27.8	34.0	61.8	82.2	-20.4
V	5165.446	21.6	35.2	56.8	82.2	49.9

- Remark: 1. Quasi-peak data for emission below 1000MHz.
2. '-' sign in margin column shows the value below the limits.
3. Any emissions and any other harmonics which are attenuated more than 20dB below the permissible value need not be recorded.
4. Horn Antenna and average detector is used for emission over 1000MHz.

$$\begin{aligned} * \text{Calculated limit} &= 10 \log_{10} (\text{TP(W)}) - 43 - 10 \log_{10} (\text{TP}) \\ &= -43\text{dBW} \\ &= 82.2\text{dB}\mu\text{V/m at 3m} \end{aligned}$$

Test Engineer: Billy C. M. Chow

Date of Test: September 15, 2000

EXHIBIT 7

FREQUENCY STABILITY

7.0 **Frequency Stability**

The frequency tolerance was tested in normal condition & over extreme ambient conditions with respect to voltage and temperature variation.

INTERTEK TESTING SERVICES

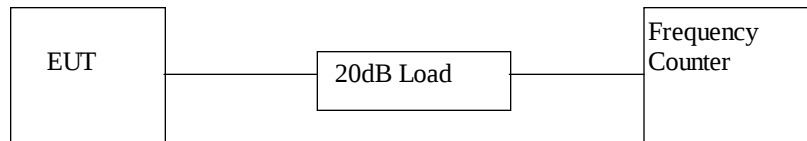
7.1 Frequency Tolerance (Section 2.1055)

A. Test Equipment

Equipment	Brand Name	Model No.
Regulated Power Supply	PAD	30-35L
20 dB RF Load	Bird	8304-200-N
Frequency Counter	Phillips	PM6668

B. Testing Procedure

- 1) Set-up the test equipment in the following configuration:



- 2) Measure all transmit channel frequencies in MHz.

INTERTEK TESTING SERVICES

C. Test Result

Table 5 (Ch.1 to Ch.60)
RadioShack Corporation
RadioShack 19-1207
Frequency Tolerance

Ch	Frequency (M H z)	M easured Freq. (M H z)	To l erance (%)	Ch	Frequency (M H z)	M easured Freq. (M H z)	To l erance (%)
1	461.0375	461.03781	-0.000067	31	461.4125	461.41268	-0.000039
2	461.0500	461.05030	-0.000065	32	461.4250	461.42519	-0.000041
3	461.0625	461.06280	-0.000065	33	461.4375	461.43768	-0.000039
4	461.0750	461.07533	-0.000072	34	461.4500	461.45018	-0.000039
5	461.0875	461.08783	-0.000072	35	461.4625	461.46267	-0.000037
6	461.1000	461.10030	-0.000065	36	461.4750	461.47515	-0.000033
7	461.1125	461.11278	-0.000061	37	461.4875	461.48765	-0.000033
8	461.1250	461.12526	-0.000056	38	461.5000	461.50014	-0.000030
9	461.1375	461.13775	-0.000054	39	461.5125	461.51264	-0.000030
10	461.1500	461.15023	-0.000050	40	461.5250	461.52513	-0.000028
11	461.1625	461.16272	-0.000048	41	461.5375	461.53764	-0.000030
12	461.1750	461.17521	-0.000046	42	461.5500	461.55016	-0.000035
13	461.1875	461.18772	-0.000048	43	461.5625	461.56266	-0.000035
14	461.2000	461.20021	-0.000046	44	461.5750	461.57518	-0.000039
15	461.2125	461.21271	-0.000046	45	461.5875	461.58779	-0.000063
16	461.2250	461.22519	-0.000041	46	461.6000	461.60029	-0.000063
17	461.2375	461.23769	-0.000041	47	461.6125	461.61276	-0.000056
18	461.2500	461.25018	-0.000039	48	461.6250	461.62529	-0.000063
19	461.2625	461.26268	-0.000039	49	461.6375	461.63778	-0.000061
20	461.2750	461.27516	-0.000035	50	461.6500	461.65027	-0.000058
21	461.2875	461.28765	-0.000033	51	461.6625	461.66273	-0.000050
22	461.3000	461.30017	-0.000037	52	461.6750	461.67521	-0.000045
23	461.3125	461.31267	-0.000037	53	461.6875	461.68769	-0.000041
24	461.3250	461.32517	-0.000037	54	461.7000	461.70017	-0.000037
25	461.3375	461.33766	-0.000035	55	461.7125	461.71267	-0.000037
26	461.3500	461.35016	-0.000035	56	461.7250	461.72517	-0.000037
27	461.3625	461.36266	-0.000035	57	461.7375	461.73766	-0.000035
28	461.3750	461.37514	-0.000030	58	461.7500	461.75016	-0.000035
29	461.3875	461.38764	-0.000030	59	461.7625	461.76265	-0.000032
30	461.4000	461.40015	-0.000033	60	461.7750	461.77515	-0.000032

INTERTEK TESTING SERVICES

C. Test Result

Table 5 (Ch.61 to Ch.120)

**RadioShack Corporation
RadioShack 19-1207**

Frequency Tolerance

Ch	Frequency (M H z)	M easured Freq. (M H z)	Tolerance (%)	Ch	Frequency (M H z)	M easured Freq. (M H z)	Tolerance (%)
61	461.7875	461.78764	-0.000030	91	462.1625	462.16271	-0.000045
62	461.8000	461.80014	-0.000030	92	462.1750	462.17521	-0.000045
63	461.8125	461.81264	-0.000030	93	462.1875	462.18771	-0.000045
64	461.8250	461.82514	-0.000030	94	462.2000	462.20021	-0.000045
65	461.8375	461.83765	-0.000032	95	462.2125	462.21271	-0.000045
66	461.8500	461.85015	-0.000032	96	462.2250	462.22520	-0.000043
67	461.8625	461.86273	-0.000050	97	462.2375	462.23771	-0.000045
68	461.8750	461.87522	-0.000048	98	462.2500	462.25021	-0.000045
69	461.8875	461.88772	-0.000048	99	462.2625	462.26271	-0.000045
70	461.9000	461.90022	-0.000048	100	462.2750	462.27521	-0.000045
71	461.9125	461.91272	-0.000048	101	462.2875	462.28771	-0.000045
72	461.9250	461.92522	-0.000048	102	462.3000	462.30021	-0.000045
73	461.9375	461.93772	-0.000048	103	462.3125	462.31271	-0.000045
74	461.9500	461.95021	-0.000045	104	462.3250	462.32521	-0.000045
75	461.9625	461.96271	-0.000045	105	462.3375	462.33772	-0.000048
76	461.9750	461.97520	-0.000043	106	462.3500	462.35022	-0.000048
77	461.9875	461.98770	-0.000043	107	462.3625	462.36272	-0.000048
78	462.0000	462.00020	-0.000043	108	462.3750	462.37522	-0.000048
79	462.0125	462.01270	-0.000043	109	462.3875	462.38772	-0.000048
80	462.0250	462.02520	-0.000043	110	462.4000	462.40023	-0.000050
81	462.0375	462.03770	-0.000043	111	462.4125	462.41274	-0.000052
82	462.0500	462.05021	-0.000045	112	462.4250	462.42523	-0.000050
83	462.0625	462.06271	-0.000045	113	462.4375	462.43773	-0.000050
84	462.0750	462.07520	-0.000043	114	462.4500	462.45023	-0.000050
85	462.0875	462.08769	-0.000041	115	462.4625	462.46273	-0.000050
86	462.1000	462.10019	-0.000041	116	462.4750	462.47524	-0.000052
87	462.1125	462.11270	-0.000043	117	462.4875	462.48773	-0.000050
88	462.1250	462.12521	-0.000045	118	462.5000	462.50023	-0.000050
89	462.1375	462.13771	-0.000045	119	462.5125	462.51273	-0.000050
90	462.1500	462.15021	-0.000045	120	462.5250	462.52523	-0.000050

INTERTEK TESTING SERVICES

C. Test Result

Table 5 (Ch.121 to Ch.180)

RadioShack Corporation
RadioShack 19-1207

Frequency Tolerance

Ch	Frequency (M H z)	M easured Freq. (M H z)	Tolerance (%)	Ch	Frequency (M H z)	M easured Freq. (M H z)	Tolerance (%)
121	462.5375	462.53788	-0.000082	151	462.9125	462.91283	-0.000071
122	462.5500	462.55037	-0.000080	152	462.9250	462.92533	-0.000071
123	462.5625	462.56285	-0.000076	153	462.9375	462.93783	-0.000071
124	462.5750	462.57534	-0.000074	154	462.9500	462.95033	-0.000071
125	462.5875	462.58783	-0.000071	155	462.9625	462.96283	-0.000071
126	462.6000	462.60032	-0.000069	156	462.9750	462.97531	-0.000067
127	462.6125	462.61282	-0.000069	157	462.9875	462.98780	-0.000065
128	462.6250	462.62531	-0.000067	158	463.0000	463.00029	-0.000063
129	462.6375	462.63781	-0.000067	159	463.0125	463.01279	-0.000063
130	462.6500	462.65030	-0.000065	160	463.0250	463.02588	-0.000190
131	462.6625	462.66281	-0.000067	161	463.0375	463.03788	-0.000082
132	462.6750	462.67530	-0.000065	162	463.0500	463.05038	-0.000082
133	462.6875	462.68781	-0.000067	163	463.0625	463.06287	-0.000080
134	462.7000	462.70030	-0.000065	164	463.0750	463.07537	-0.000080
135	462.7125	462.71277	-0.000058	165	463.0875	463.08787	-0.000080
136	462.7250	462.72526	-0.000056	166	463.1000	463.10037	-0.000080
137	462.7375	462.73776	-0.000056	167	463.1125	463.11290	-0.000086
138	462.7500	462.75026	-0.000056	168	463.1250	463.12539	-0.000084
139	462.7625	462.76277	-0.000058	169	463.1375	463.13796	-0.000099
140	462.7750	462.77532	-0.000069	170	463.1500	463.15045	-0.000097
141	462.7875	462.78782	-0.000069	171	463.1625	463.16293	-0.000093
142	462.8000	462.80032	-0.000069	172	463.1750	463.17541	-0.000089
143	462.8125	462.81283	-0.000071	173	463.1875	463.18790	-0.000086
144	462.8250	462.82533	-0.000071	174	463.2000	463.20040	-0.000086
145	462.8375	462.83783	-0.000071	175	463.2125	463.21289	-0.000084
146	462.8500	462.85033	-0.000071	176	463.2250	463.22538	-0.000082
147	462.8625	462.86283	-0.000071	177	463.2375	463.23788	-0.000082
148	462.8750	462.87533	-0.000071	178	463.2500	463.25037	-0.000080
149	462.8875	462.88783	-0.000071	179	463.2625	463.26286	-0.000078
150	462.9000	462.90033	-0.000071	180	463.2750	463.27535	-0.000076

INTERTEK TESTING SERVICES

C. Test Result

Table 5 (Ch.181 to Ch.240)

RadioShack Corporation
RadioShack 19-1207

Frequency Tolerance

Ch	Frequency (M Hz)	M easured Freq. (M Hz)	Tolerance (%)	Ch	Frequency (M Hz)	M easured Freq. (M Hz)	Tolerance (%)
181	463.2875	463.28784	-0.000073	211	463.6625	463.66282	-0.000069
182	463.3000	463.30033	-0.000071	212	463.6750	463.67532	-0.000069
183	463.3125	463.31283	-0.000071	213	463.6875	463.68782	-0.000069
184	463.3250	463.32531	-0.000067	214	463.7000	463.70032	-0.000069
185	463.3375	463.33787	-0.000080	215	463.7125	463.71294	-0.000095
186	463.3500	463.35036	-0.000078	216	463.7250	463.72543	-0.000093
187	463.3625	463.36785	-0.001155	217	463.7375	463.73791	-0.000088
188	463.3750	463.37535	-0.000076	218	463.7500	463.75041	-0.000088
189	463.3875	463.38785	-0.000076	219	463.7625	463.76289	-0.000084
190	463.4000	463.40034	-0.000073	220	463.7750	463.77536	-0.000078
191	463.4125	463.41284	-0.000073	221	463.7875	463.78786	-0.000078
192	463.4250	463.42534	-0.000073	222	463.8000	463.80043	-0.000093
193	463.4375	463.43784	-0.000073	223	463.8125	463.81284	-0.000073
194	463.4500	463.45034	-0.000073	224	463.8250	463.82532	-0.000069
195	463.4625	463.46284	-0.000073	225	463.8375	463.83780	-0.000065
196	463.4750	463.47534	-0.000073	226	463.8500	463.85024	-0.000052
197	463.4875	463.48784	-0.000073	227	463.8625	463.86265	-0.000032
198	463.5000	463.50034	-0.000073	228	463.8750	463.87514	-0.000030
199	463.5125	463.51284	-0.000073	229	463.8875	463.88764	-0.000030
200	463.5250	463.52534	-0.000073	230	463.9000	463.90013	-0.000028
201	463.5375	463.53783	-0.000071	231	463.9125	463.91261	-0.000024
202	463.5500	463.55033	-0.000071	232	463.9250	463.92510	-0.000022
203	463.5625	463.56283	-0.000071	233	463.9375	463.93759	-0.000019
204	463.5750	463.57533	-0.000071	234	463.9500	463.95007	-0.000015
205	463.5875	463.58783	-0.000071	235	463.9625	463.96257	-0.000015
206	463.6000	463.60033	-0.000071	236	463.9750	463.97508	-0.000017
207	463.6125	463.61283	-0.000071	237	463.9875	463.98759	-0.000019
208	463.6250	463.62533	-0.000071	238	464.0000	464.00010	-0.000022
209	463.6375	463.63782	-0.000069	239	464.0125	464.01261	-0.000024
210	463.6500	463.65032	-0.000069	240	464.0250	464.02512	-0.000026

INTERTEK TESTING SERVICES

C. Test Result

Table 5 (Ch.241 to Ch.300)

**RadioShack Corporation
RadioShack 19-1207**

Frequency Tolerance

Ch	Frequency (M Hz)	M easured Freq. (M Hz)	To l erance (%)	Ch	Frequency (M Hz)	M easured Freq. (M Hz)	To l erance (%)
241	464.0375	464.03762	-0.000026	271	464.4125	464.41252	-0.000004
242	464.0500	464.05011	-0.000024	272	464.4250	464.42501	-0.000002
243	464.0625	464.06261	-0.000024	273	464.4375	464.43751	-0.000002
244	464.0750	464.07510	-0.000022	274	464.4500	464.45000	0.000000
245	464.0875	464.08760	-0.000022	275	464.4625	464.46249	0.000002
246	464.1000	464.10009	-0.000019	276	464.4750	464.47499	0.000002
247	464.1125	464.11258	-0.000017	277	464.4875	464.48748	0.000004
248	464.1250	464.12508	-0.000017	278	464.5000	464.49998	0.000004
249	464.1375	464.13757	-0.000015	279	464.5125	464.51248	0.000004
250	464.1500	464.15005	-0.000011	280	464.5250	464.52498	0.000004
251	464.1625	464.16255	-0.000011	281	464.5375	464.53747	0.000006
252	464.1750	464.17505	-0.000011	282	464.5500	464.54997	0.000006
253	464.1875	464.18754	-0.000009	283	464.5625	464.56247	0.000006
254	464.2000	464.20004	-0.000009	284	464.5750	464.57497	0.000006
255	464.2125	464.21254	-0.000009	285	464.5875	464.58747	0.000006
256	464.2250	464.22504	-0.000009	286	464.6000	464.59997	0.000006
257	464.2375	464.23754	-0.000009	287	464.6125	464.61246	0.000009
258	464.2500	464.25003	-0.000006	288	464.6250	464.62496	0.000009
259	464.2625	464.26253	-0.000006	289	464.6375	464.63746	0.000009
260	464.2750	464.27503	-0.000006	290	464.6500	464.64997	0.000006
261	464.2875	464.28752	-0.000004	291	464.6625	464.66248	0.000004
262	464.3000	464.30002	-0.000004	292	464.6750	464.67499	0.000002
263	464.3125	464.31252	-0.000004	293	464.6875	464.68749	0.000002
264	464.3250	464.32502	-0.000004	294	464.7000	464.69999	0.000002
265	464.3375	464.33752	-0.000004	295	464.7125	464.71249	0.000002
266	464.3500	464.35002	-0.000004	296	464.7250	464.72499	0.000002
267	464.3625	464.36252	-0.000004	297	464.7375	464.73748	0.000004
268	464.3750	464.37502	-0.000004	298	464.7500	464.74998	0.000004
269	464.3875	464.38752	-0.000004	299	464.7625	464.76248	0.000004
270	464.4000	464.40002	-0.000004	300	464.7750	464.77498	0.000004

INTERTEK TESTING SERVICES

C. Test Result

Table 5 (Ch.301 to Ch.360)

RadioShack Corporation
RadioShack 19-1207

Frequency Tolerance

Ch	Frequency (M Hz)	M easured Freq. (M Hz)	To l erance (%)	Ch	Frequency (M Hz)	M easured Freq. (M Hz)	To l erance (%)
301	464.7875	464.78748	0.000004	331	465.1625	465.16244	0.000013
302	464.8000	464.79997	0.000006	332	465.1750	465.17501	-0.000002
303	464.8125	464.81247	0.000006	333	465.1875	465.18751	-0.000002
304	464.8250	464.82497	0.000006	334	465.2000	465.20001	-0.000002
305	464.8375	464.83747	0.000006	335	465.2125	465.21251	-0.000002
306	464.8500	464.84996	0.000009	336	465.2250	465.22501	-0.000002
307	464.8625	464.86245	0.000011	337	465.2375	465.23783	-0.000071
308	464.8750	464.87495	0.000011	338	465.2500	465.25029	-0.000062
309	464.8875	464.88745	0.000011	339	465.2625	465.26276	-0.000056
310	464.9000	464.89995	0.000011	340	465.2750	465.27524	-0.000052
311	464.9125	464.91245	0.000011	341	465.2875	465.28773	-0.000049
312	464.9250	464.92495	0.000011	342	465.3000	465.30022	-0.000047
313	464.9375	464.93745	0.000011	343	465.3125	465.31270	-0.000043
314	464.9500	464.94994	0.000013	344	465.3250	465.32519	-0.000041
315	464.9625	464.96244	0.000013	345	465.3375	465.33768	-0.000039
316	464.9750	464.97495	0.000011	346	465.3500	465.35017	-0.000037
317	464.9875	464.98744	0.000013	347	465.3625	465.36267	-0.000037
318	465.0000	464.99995	0.000011	348	465.3750	465.37517	-0.000037
319	465.0125	465.01245	0.000011	349	465.3875	465.38767	-0.000037
320	465.0250	465.02494	0.000013	350	465.4000	465.40016	-0.000034
321	465.0375	465.03745	0.000011	351	465.4125	465.41265	-0.000032
322	465.0500	465.04995	0.000011	352	465.4250	465.42514	-0.000030
323	465.0625	465.06245	0.000011	353	465.4375	465.43764	-0.000030
324	465.0750	465.07495	0.000011	354	465.4500	465.45014	-0.000030
325	465.0875	465.08745	0.000011	355	465.4625	465.46263	-0.000028
326	465.1000	465.09995	0.000011	356	465.4750	465.47512	-0.000026
327	465.1125	465.11245	0.000011	357	465.4875	465.48761	-0.000024
328	465.1250	465.12495	0.000011	358	465.5000	465.50010	-0.000021
329	465.1375	465.13745	0.000011	359	465.5125	465.51258	-0.000017
330	465.1500	465.14995	0.000011	360	465.5250	465.52507	-0.000015

INTERTEK TESTING SERVICES

C. Test Result

Table 5 (Ch.361 to Ch.420)

**RadioShack Corporation
RadioShack 19-1207**

Frequency Tolerance

Ch	Frequency (M Hz)	M easured Freq. (M Hz)	To.lerance (%)	Ch	Frequency (M Hz)	M easured Freq. (M Hz)	To.lerance (%)
361	465.5375	465.53756	-0.000013	391	465.9125	465.91273	-0.000049
362	465.5500	465.55007	-0.000015	392	465.9250	465.92521	-0.000045
363	465.5625	465.56257	-0.000015	393	465.9375	465.93772	-0.000047
364	465.5750	465.57507	-0.000015	394	465.9500	465.95021	-0.000045
365	465.5875	465.58757	-0.000015	395	465.9625	465.96271	-0.000045
366	465.6000	465.60017	-0.000037	396	465.9750	465.97520	-0.000043
367	465.6125	465.61267	-0.000037	397	465.9875	465.98769	-0.000041
368	465.6250	465.62517	-0.000037	398	466.0000	466.00019	-0.000041
369	465.6375	465.63767	-0.000037	399	466.0125	466.01269	-0.000041
370	465.6500	465.65016	-0.000034	400	466.0250	466.02518	-0.000039
371	465.6625	465.66265	-0.000032	401	466.0375	466.03767	-0.000036
372	465.6750	465.67514	-0.000030	402	466.0500	466.05016	-0.000034
373	465.6875	465.68763	-0.000028	403	466.0625	466.06266	-0.000034
374	465.7000	465.70012	-0.000026	404	466.0750	466.07516	-0.000034
375	465.7125	465.71260	-0.000021	405	466.0875	466.08765	-0.000032
376	465.7250	465.72510	-0.000021	406	466.1000	466.10015	-0.000032
377	465.7375	465.73784	-0.000073	407	466.1125	466.11264	-0.000030
378	465.7500	465.75031	-0.000067	408	466.1250	466.12514	-0.000030
379	465.7625	465.76279	-0.000062	409	466.1375	466.13764	-0.000030
380	465.7750	465.77528	-0.000060	410	466.1500	466.15014	-0.000030
381	465.7875	465.78778	-0.000060	411	466.1625	466.16264	-0.000030
382	465.8000	465.80028	-0.000060	412	466.1750	466.17514	-0.000030
383	465.8125	465.81277	-0.000058	413	466.1875	466.18764	-0.000030
384	465.8250	465.82526	-0.000056	414	466.2000	466.20014	-0.000030
385	465.8375	465.83775	-0.000054	415	466.2125	466.21264	-0.000030
386	465.8500	465.85025	-0.000054	416	466.2250	466.22514	-0.000030
387	465.8625	465.86274	-0.000052	417	466.2375	466.23764	-0.000030
388	465.8750	465.87524	-0.000052	418	466.2500	466.25014	-0.000030
389	465.8875	465.88774	-0.000052	419	466.2625	466.26264	-0.000030
390	465.9000	465.90023	-0.000049	420	466.2750	466.27514	-0.000030

INTERTEK TESTING SERVICES

C. Test Result

Table 5 (Ch.421 to Ch.480)

**RadioShack Corporation
RadioShack 19-1207**

Frequency Tolerance

Ch	Frequency (M Hz)	M easured Freq. (M Hz)	To l erance (%)	Ch	Frequency (M Hz)	M easured Freq. (M Hz)	To l erance (%)
421	466.2875	466.28763	-0.000028	451	466.6625	466.66262	-0.000026
422	466.3000	466.30013	-0.000028	452	466.6750	466.67515	-0.000032
423	466.3125	466.31263	-0.000028	453	466.6875	466.68766	-0.000034
424	466.3250	466.32513	-0.000028	454	466.7000	466.70017	-0.000036
425	466.3375	466.33764	-0.000030	455	466.7125	466.71266	-0.000034
426	466.3500	466.35013	-0.000028	456	466.7250	466.72516	-0.000034
427	466.3625	466.36263	-0.000028	457	466.7375	466.73766	-0.000034
428	466.3750	466.37513	-0.000028	458	466.7500	466.75016	-0.000034
429	466.3875	466.38763	-0.000028	459	466.7625	466.76264	-0.000030
430	466.4000	466.40013	-0.000028	460	466.7750	466.77515	-0.000032
431	466.4125	466.41263	-0.000028	461	466.7875	466.78764	-0.000030
432	466.4250	466.42514	-0.000030	462	466.8000	466.80014	-0.000030
433	466.4375	466.43763	-0.000028	463	466.8125	466.81264	-0.000030
434	466.4500	466.45013	-0.000028	464	466.8250	466.82514	-0.000030
435	466.4625	466.46264	-0.000030	465	466.8375	466.83764	-0.000030
436	466.4750	466.47513	-0.000028	466	466.8500	466.85014	-0.000030
437	466.4875	466.48763	-0.000028	467	466.8625	466.86264	-0.000030
438	466.5000	466.50013	-0.000028	468	466.8750	466.87514	-0.000030
439	466.5125	466.51263	-0.000028	469	466.8875	466.88764	-0.000030
440	466.5250	466.52513	-0.000028	470	466.9000	466.90014	-0.000030
441	466.5375	466.53763	-0.000028	471	466.9125	466.91264	-0.000030
442	466.5500	466.55013	-0.000028	472	466.9250	466.92514	-0.000030
443	466.5625	466.56263	-0.000028	473	466.9375	466.93764	-0.000030
444	466.5750	466.57512	-0.000026	474	466.9500	466.95014	-0.000030
445	466.5875	466.58762	-0.000026	475	466.9625	466.96264	-0.000030
446	466.6000	466.60012	-0.000026	476	466.9750	466.97514	-0.000030
447	466.6125	466.61262	-0.000026	477	466.9875	466.98764	-0.000030
448	466.6250	466.62512	-0.000026	478	467.0000	467.00014	-0.000030
449	466.6375	466.63762	-0.000026	479	467.0125	467.01263	-0.000028
450	466.6500	466.65013	-0.000028	480	467.0250	467.02514	-0.000030

INTERTEK TESTING SERVICES

C. Test Result

Table 5 (Ch.481 to Ch.540)

**RadioShack Corporation
RadioShack 19-1207**

Frequency Tolerance

Ch	Frequency (M H z)	M easured Freq. (M H z)	To l erance (%)	Ch	Frequency (M H z)	M easured Freq. (M H z)	To l erance (%)
481	467.0375	467.03764	-0.000030	511	467.4125	467.41267	-0.000036
482	467.0500	467.05014	-0.000030	512	467.4250	467.42519	-0.000041
483	467.0625	467.06263	-0.000028	513	467.4375	467.43769	-0.000041
484	467.0750	467.07524	-0.000051	514	467.4500	467.45019	-0.000041
485	467.0875	467.08774	-0.000051	515	467.4625	467.46269	-0.000041
486	467.1000	467.10024	-0.000051	516	467.4750	467.47519	-0.000041
487	467.1125	467.11273	-0.000049	517	467.4875	467.48769	-0.000041
488	467.1250	467.12524	-0.000051	518	467.5000	467.50018	-0.000039
489	467.1375	467.13773	-0.000049	519	467.5125	467.51268	-0.000039
490	467.1500	467.15023	-0.000049	520	467.5250	467.52518	-0.000039
491	467.1625	467.16273	-0.000049	521	467.5375	467.53768	-0.000038
492	467.1750	467.17522	-0.000047	522	467.5500	467.55018	-0.000038
493	467.1875	467.18772	-0.000047	523	467.5625	467.56268	-0.000038
494	467.2000	467.20021	-0.000045	524	467.5750	467.57524	-0.000051
495	467.2125	467.21271	-0.000045	525	467.5875	467.58775	-0.000053
496	467.2250	467.22519	-0.000041	526	467.6000	467.60025	-0.000053
497	467.2375	467.23769	-0.000041	527	467.6125	467.61275	-0.000053
498	467.2500	467.25018	-0.000039	528	467.6250	467.62524	-0.000051
499	467.2625	467.26267	-0.000036	529	467.6375	467.63775	-0.000053
500	467.2750	467.27518	-0.000039	530	467.6500	467.65024	-0.000051
501	467.2875	467.28767	-0.000036	531	467.6625	467.66274	-0.000051
502	467.3000	467.30017	-0.000036	532	467.6750	467.67524	-0.000051
503	467.3125	467.31267	-0.000036	533	467.6875	467.68774	-0.000051
504	467.3250	467.32518	-0.000039	534	467.7000	467.70024	-0.000051
505	467.3375	467.33768	-0.000039	535	467.7125	467.71273	-0.000049
506	467.3500	467.35017	-0.000036	536	467.7250	467.72523	-0.000049
507	467.3625	467.36268	-0.000039	537	467.7375	467.73772	-0.000047
508	467.3750	467.37518	-0.000039	538	467.7500	467.75022	-0.000047
509	467.3875	467.38768	-0.000039	539	467.7625	467.76277	-0.000058
510	467.4000	467.40018	-0.000039	540	467.7750	467.77528	-0.000060

INTERTEK TESTING SERVICES

C. Test Result

Table 5 (Ch.541 to Ch.600)

**RadioShack Corporation
RadioShack 19-1207**

Frequency Tolerance

Ch	Frequency (M H z)	M easured Freq. (M H z)	To l erance (%)	Ch	Frequency (M H z)	M easured Freq. (M H z)	To l erance (%)
541	467.7875	467.78774	-0.000051	571	468.1625	468.16265	-0.000032
542	467.8000	467.80024	-0.000051	572	468.1750	468.17515	-0.000032
543	467.8125	467.81273	-0.000049	573	468.1875	468.18766	-0.000034
544	467.8250	467.82522	-0.000047	574	468.2000	468.20016	-0.000034
545	467.8375	467.83772	-0.000047	575	468.2125	468.21266	-0.000034
546	467.8500	467.85022	-0.000047	576	468.2250	468.22516	-0.000034
547	467.8625	467.86272	-0.000047	577	468.2375	468.23766	-0.000034
548	467.8750	467.87521	-0.000045	578	468.2500	468.25017	-0.000036
549	467.8875	467.88771	-0.000045	579	468.2625	468.26267	-0.000036
550	467.9000	467.90020	-0.000043	580	468.2750	468.27517	-0.000036
551	467.9125	467.91270	-0.000043	581	468.2875	468.28767	-0.000036
552	467.9250	467.92521	-0.000045	582	468.3000	468.30017	-0.000036
553	467.9375	467.93769	-0.000041	583	468.3125	468.31266	-0.000034
554	467.9500	467.95019	-0.000041	584	468.3250	468.32516	-0.000034
555	467.9625	467.96269	-0.000041	585	468.3375	468.33767	-0.000036
556	467.9750	467.97519	-0.000041	586	468.3500	468.35016	-0.000034
557	467.9875	467.98768	-0.000038	587	468.3625	468.36266	-0.000034
558	468.0000	468.00019	-0.000041	588	468.3750	468.37516	-0.000034
559	468.0125	468.01268	-0.000038	589	468.3875	468.38766	-0.000034
560	468.0250	468.02518	-0.000038	590	468.4000	468.40016	-0.000034
561	468.0375	468.03768	-0.000038	591	468.4125	468.41265	-0.000032
562	468.0500	468.05017	-0.000036	592	468.4250	468.42516	-0.000034
563	468.0625	468.06268	-0.000038	593	468.4375	468.43766	-0.000034
564	468.0750	468.07517	-0.000036	594	468.4500	468.45016	-0.000034
565	468.0875	468.08767	-0.000036	595	468.4625	468.46266	-0.000034
566	468.1000	468.10017	-0.000036	596	468.4750	468.47516	-0.000034
567	468.1125	468.11267	-0.000036	597	468.4875	468.48765	-0.000032
568	468.1250	468.12517	-0.000036	598	468.5000	468.50015	-0.000032
569	468.1375	468.13765	-0.000032	599	468.5125	468.51265	-0.000032
570	468.1500	468.15015	-0.000032	600	468.5250	468.52515	-0.000032

INTERTEK TESTING SERVICES

C. Test Result

Table 5 (Ch.601 to Ch.660)

**RadioShack Corporation
RadioShack 19-1207**

Frequency Tolerance

Ch	Frequency (M H z)	M easured Freq. (M H z)	To l erance (%)	Ch	Frequency (M H z)	M easured Freq. (M H z)	To l erance (%)
601	468.5375	468.53765	-0.000032	631	468.9125	468.91262	-0.000026
602	468.5500	468.55015	-0.000032	632	468.9250	468.92511	-0.000023
603	468.5625	468.56264	-0.000030	633	468.9375	468.93762	-0.000026
604	468.5750	468.57514	-0.000030	634	468.9500	468.95012	-0.000026
605	468.5875	468.58764	-0.000030	635	468.9625	468.96261	-0.000023
606	468.6000	468.60014	-0.000030	636	468.9750	468.97512	-0.000026
607	468.6125	468.61264	-0.000030	637	468.9875	468.98762	-0.000026
608	468.6250	468.62514	-0.000030	638	469.0000	469.00011	-0.000023
609	468.6375	468.63764	-0.000030	639	469.0125	469.01261	-0.000023
610	468.6500	468.65016	-0.000034	640	469.0250	469.02511	-0.000023
611	468.6625	468.66265	-0.000032	641	469.0375	469.03762	-0.000026
612	468.6750	468.67514	-0.000030	642	469.0500	469.05012	-0.000026
613	468.6875	468.68764	-0.000030	643	469.0625	469.06262	-0.000026
614	468.7000	468.70014	-0.000030	644	469.0750	469.07511	-0.000023
615	468.7125	468.71264	-0.000030	645	469.0875	469.08762	-0.000026
616	468.7250	468.72514	-0.000030	646	469.1000	469.10011	-0.000023
617	468.7375	468.73763	-0.000028	647	469.1125	469.11261	-0.000023
618	468.7500	468.75012	-0.000026	648	469.1250	469.12512	-0.000026
619	468.7625	468.76262	-0.000026	649	469.1375	469.13762	-0.000026
620	468.7750	468.77513	-0.000028	650	469.1500	469.15012	-0.000026
621	468.7875	468.78762	-0.000026	651	469.1625	469.16262	-0.000026
622	468.8000	468.80012	-0.000026	652	469.1750	469.17511	-0.000023
623	468.8125	468.81262	-0.000026	653	469.1875	469.18762	-0.000026
624	468.8250	468.82513	-0.000028	654	469.2000	469.20011	-0.000023
625	468.8375	468.83762	-0.000026	655	469.2125	469.21261	-0.000023
626	468.8500	468.85012	-0.000026	656	469.2250	469.22511	-0.000023
627	468.8625	468.86261	-0.000023	657	469.2375	469.23762	-0.000026
628	468.8750	468.87512	-0.000026	658	469.2500	469.25011	-0.000023
629	468.8875	468.88761	-0.000023	659	469.2625	469.26261	-0.000023
630	468.9000	468.90013	-0.000028	660	469.2750	469.27511	-0.000023

INTERTEK TESTING SERVICES

C. Test Result

Table 5 (Ch.661 to Ch.683)

**RadioShack Corporation
RadioShack 19-1207**

Frequency Tolerance

Ch	Frequency (M H z)	M easured Freq. (M H z)	To l erance (%)
661	469.2875	469.28761	-0.000023
662	469.3000	469.30011	-0.000023
663	469.3125	469.31261	-0.000023
664	469.3250	469.32511	-0.000023
665	469.3375	469.33761	-0.000023
666	469.3500	469.35011	-0.000023
667	469.3625	469.36260	-0.000021
668	469.3750	469.37521	-0.000045
669	469.3875	469.38773	-0.000049
670	469.4000	469.40023	-0.000049
671	469.4125	469.41273	-0.000049
672	469.4250	469.42523	-0.000049
673	469.4375	469.43773	-0.000049
674	469.4500	469.45023	-0.000049
675	469.4625	469.46273	-0.000049
676	469.4750	469.47522	-0.000047
677	469.4875	469.48771	-0.000045
678	469.5000	469.50022	-0.000047
679	469.5125	469.51271	-0.000045
680	469.5250	469.52521	-0.000045
681	469.5375	469.53770	-0.000043
682	469.5500	469.55019	-0.000040
683	469.5625	469.56270	-0.000043

INTERTEK TESTING SERVICES

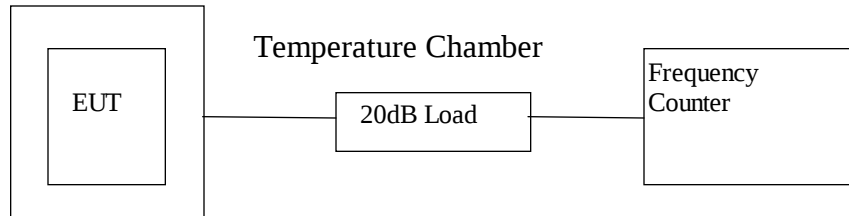
7.2 Frequency Stability - Temperature (Section 2.1055)

A. Test Equipment

Equipment	Brand Name	Model No.
20 dB RF Load	Bird	8304-200-N
Frequency Counter	Phillips	PM6668

B. Testing Procedure

- 1) Set-up the test equipment in the following configuration:



- 2) Set the Temperature Chamber to -20°C and stabilize the EUT temperature for one hour. Set transmitter ON for two minutes.
- 3) Measure the channel frequency of channel 1, 683 in MHz.
- 4) Turn the EUT OFF
- 5) Repeat the above procedure from -20°C to 50°C with 10°C increment.

INTERTEK TESTING SERVICES

C. Test Result

Table 6(a)

**RadioShack Corporation
RadioShack 19-1207**

Frequency Deviation with Temperature Variation

Channel : 1

Temperature (°C)	Assigned Frequency (MHz)	Measured Frequency (MHz)	% Deviation
-20	461.0375	461.03831	0.000176
-10	461.0375	461.03818	0.000147
0	461.0375	461.03778	0.000061
10	461.0375	461.03378	-0.000807
20	461.0375	461.03749	-0.000002
30	461.0375	461.03723	-0.000059
40	461.0375	461.03697	-0.000115
50	461.0375	461.03677	-0.000158

Test Engineer: Billy C. M. Chow

Date of Test: September 15, 2000

INTERTEK TESTING SERVICES

C. Test Result

Table 6(b)

Frequency Deviation with Temperature Variation

Channel : 683

Temperature (°C)	Assigned Frequency (M H z)	Measured Frequency (M H z)	% Deviation
-20	469.5625	469.56337	0.000185
-10	469.5625	469.56318	0.000145
0	469.5625	469.56280	0.000064
10	469.5625	469.56280	0.000064
20	469.5625	469.56427	0.000377
30	469.5625	469.56221	-0.000062
40	469.5625	469.56197	-0.000113
50	469.5625	469.56177	-0.000155

Test Engineer: Billy C. M. Chow

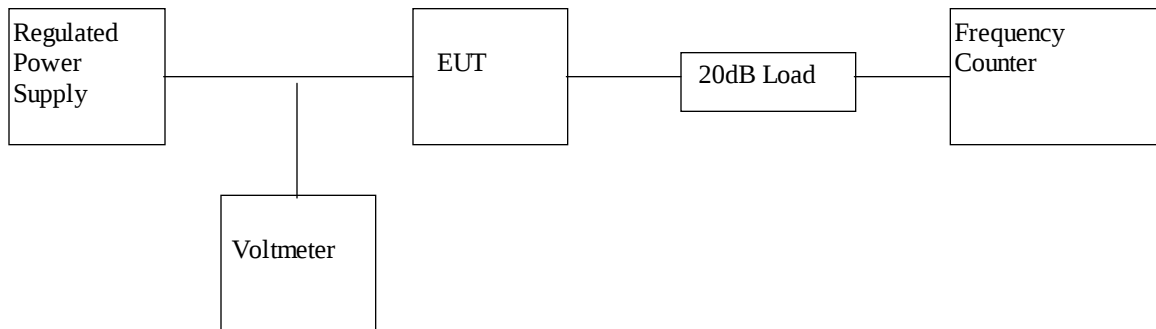
Date of Test: September 15, 2000

7.3 Frequency Stability - Voltage (Section 2.1055)**A. Test Equipment**

Equipment	Brand Name	Model No.
Regulated Power Supply	PAD	30-35L
20 dB RF Load	Bird	8304-200-N
Voltage meter	Fluke	87
Frequency Counter	Phillips	PM6668

B. Testing Procedure

- 1) Set-up the test equipment in the following configuration:



- 2) Adjust the level of regulated power supply to the manufacturer specified voltage (5.5V).
- 3) Measure the channel frequency from channel 1 ,683 in MHz.

C. Test Result**Table 7****Frequency Deviation with Voltage Variation**

Channel	Frequency (M H z)	M easured Frequency (M H z)	Tolerance (%)
1	461.0375	461.03782	0.000069
683	469.5625	469.56271	0.000045

EXHIBIT 8
TECHNICAL SPECIFICATIONS

8.0 **Technical Specifications**

8.1 Block Diagram

For electronic filing, the block diagram of the UHF Transceiver is saved with filename: block.pdf

Figure 8.1 Block Diagram

8.2 Schematic Diagram

For electronic filing, the schematic diagram of the UHF Transceiver is saved with filename: circuit.pdf

Figure 8.2 Schematic Diagram

EXHIBIT 9

PRODUCT LABELLING

9.0 **Product Labelling**

9.1 Label Artwork & Location

Figure 9.1 Label Artwork & Location

An engineering drawing of the label which will be permanently affixed to the unit. For electronic filing, the label artwork & location are saved with filename: label.pdf

EXHIBIT 10
PHOTOGRAPHS

10.0 Equipment Photographs

For electronic filing, photographs of the tested EUT are saved with filename: ophoto1.jpg to ophoto4.jpg for external photo and iphoto1.jpg to iphoto2.jpg for internal photo.

EXHIBIT 11

INSTRUCTION MANUAL

11.0 **Instruction Manual**

This manual will be provided to the end-user with each unit sold/leased in the United States.

For electronic filing, a preliminary copy of the Instruction Manual is saved with filename: manual.pdf

EXHIBIT 12

TRANSIENT FREQUENCY BEHAVIOR

12.0 Transient Frequency Behavior (90.214)**A. Requirement**

Transmitters designed to operate in the 150 -174 MHz and 421 - 512 MHz frequency bands must maintain transient frequencies within the maximum frequency difference limits during the time intervals indicated in 90.214.

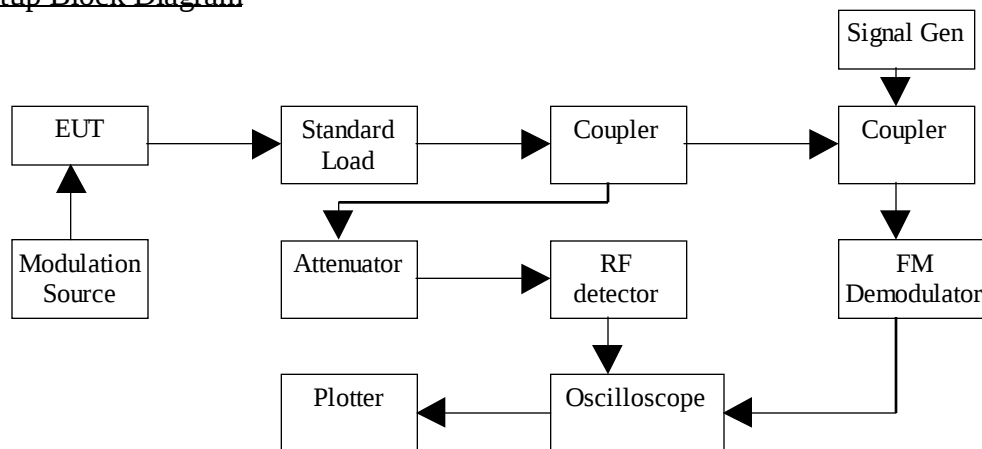
For transmitters with 12.5kHz channels:

Time Interval	Maximum Frequency Difference	Time
T1*	+/- 12.5kHz	10.0ms
T2	+/- 6.25kHz	25.0ms
T3*	+/-12.5kHz	10.0ms

* For Transmitters with an output power less than 6 Watts, these requirements are not applicable.

B. Testing Procedure

Test was performed according to TIA/EIA/IS-102.CAAA, Section 2.2.18. The transmitter was set up to transmit a FM modulated signal with 500 Hz modulation frequency. The generator was generating FM signal (1kHz tone, 12.5kHz deviation). Several plots were made on the FM demodulator output with EUT turned ON and OFF.

Setup Block Diagram**C. Test Result**

For the electronic filing, the plot is saved with filename: tfb.pdf