

TEST REPORT

KOSTEC Co., Ltd.

28(175-20, Annyeong-dong) 406-gil sejaro,
Hwaseong-si, Gyeonggi-do, Korea
Tel:031-222-4251, Fax:031-222-4252

Report No.: KST-FCR-220001



KOSTEC Co., Ltd.
<http://www.kostec.org>

1. Applicant

- Name : Dogtra Co., Ltd.
- Address : #715-2(146BL-3L) Gojan-dong, Namdong-gu, Incheon, Korea

2. Test Item

- Product Name: DOG TRAINING DEVICE
- Model Name: 1902S HANDSFREE PLUS
- Brand: None
- FCC ID: SWN-TD32UT

3. Manufacturer

- Name : Dogtra Co., Ltd.
- Address : #715-2(146BL-3L) Gojan-dong, Namdong-gu, Incheon, Korea

4. Date of Test : 2022. 01. 04. ~ 2022. 01. 05.

5. Test Method Used : FCC CFR 47, Part 95C

6. Test Result : Compliance

7. Note: None

Supplementary Information

The device bearing the brand name and FCC ID specified above has been shown to comply with the applicable technical standards as indicated in the measurement report and was tested in accordance with measurement procedures specified in ANSI/TIA-603-E-2016.

We attest to the accuracy of data and all measurements reported herein were performed by KOSTEC Co., Ltd. and were made under Chief Engineer's supervision. We assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
This test report is not related to KOLAS accreditation.

Affirmation	Tested by Name : Lee, Mi-Young (Signature)	Technical Manager Name : Park, Gyeong-Hyeon (Signature)
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2022. 01. 07.

KOSTEC Co., Ltd.

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1. GENERAL INFORMATION

1.1 Test Facility

Test laboratory and address

KOSTEC Co., Ltd.

28(175-20,Annyeong-dong)406-gil sejaro, Hwaseong-si Gyeonggi-do, Korea

Telephone Number: 82-31-222-4251

Facsimile Number: 82-31-222-4252

Registration information

KOLAS No.: KT232

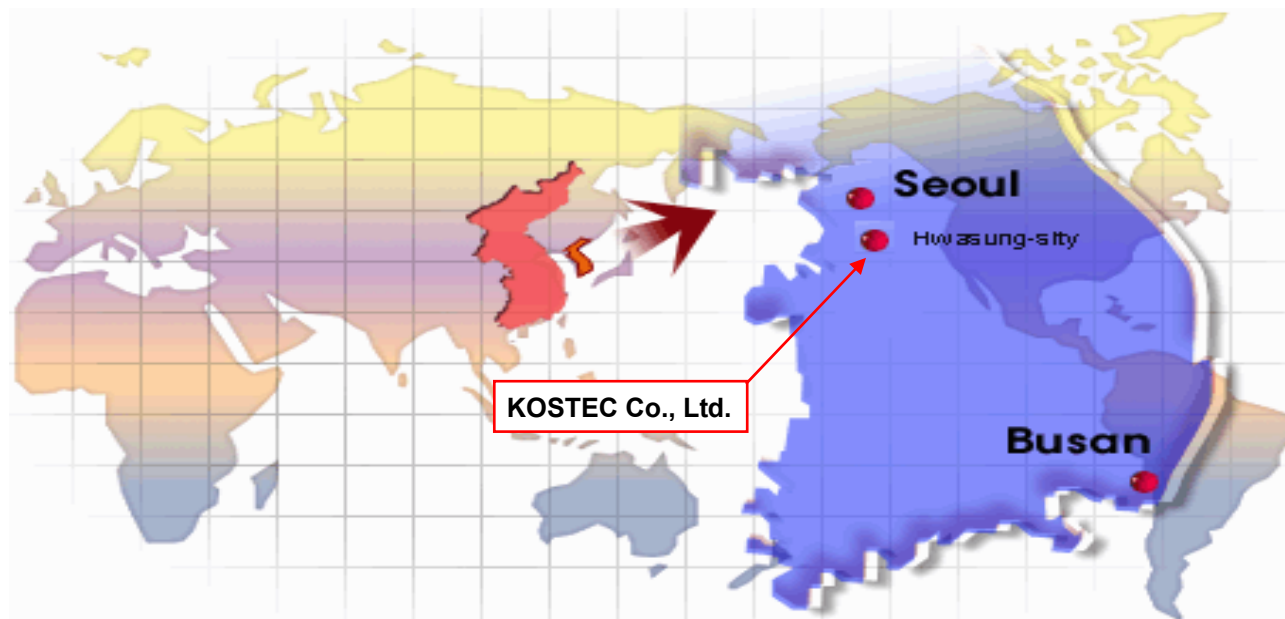
RRA (National Radio Research Agency): KR0041

FCC Designation No.: KR0041

IC Designation No.: KR0041

VCCI Membership No.: 2005

1.2 Location



1.3 Revision History of test report

Rev.	Revisions	Effect page	Reviewed	Date
-	Initial issue	All	Park, Gyeong-Hyeon	2022. 01. 07.

2. EQUIPMENT DESCRIPTION

The product specification described herein was declared by manufacturer. And refer to user's manual for the details.

Equipment Name	DOG TRAINING DEVICE
Model No	1902S HANDSFREE PLUS
Usage	DOG TRAINING DEVICE
Serial Number	Proto type
Modulation type	FSK
Emission Type	F1D
Rated RF power output	0.51 W
Operated Frequency	27.195 MHz
Channel Number	1 ea
Operation temperature	-10 °C ~ 55 °C
Power Source	Li-ion polymer battery / DC 7.4 V / 600 mA
Antenna Description	Helical antenna fixed to the PCB, gain : 0 dBi
Remark	1. The device was operating at its maximum output power for all measurements. 2. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case (X) is shown in the report. 3. The above DUT's information was declared by manufacturer. Please refer to the specifications or user manual for more detailed description.
FCC ID	SWN-TD32UT

3. SYSTEM CONFIGURATION FOR TEST

3.1 Characteristics of equipment

DOG TRAINING DEVICE

3.2 Used peripherals list

Description	Model No.	Serial No.	Manufacture	Remark

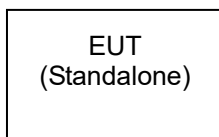
3.3 Product Modification

N/A

3.4 Operating Mode

Constantly transmitting with a modulated carrier at maximum power.

3.5 Test Setup of EUT



3.6 Used Test Equipment List

No.	Instrument	Model	S/N	Manufacturer	Next Cal Date	Cal interval	used
1	T & H Chamber	PL-3J	15003623	ESPEC CORP	2022.11.04	1 year	☐
2	T & H Chamber	SH-662	93000067	ESPEC CORP	2022.08.27	1 year	☒
3	T & H Chamber	SH-641	92006831	ESPEC CORP	2022.03.29	1 year	☐
4	Spectrum Analyzer	8563EC	3046A00527	Agilent Technology	2022.01.19	1 year	☐
5	Spectrum Analyzer	FSV30	104029	Rohde & Schwarz	2022.08.30	1 year	☐
6	Spectrum Analyzer	FSV30	20-353063	Rohde & Schwarz	2022.01.19	1 year	☐
7	Spectrum Analyzer	FSV40	101727	Rohde & Schwarz	2022.07.19	1 year	☐
8	Signal Analyzer	FSW43	101294	Rohde & Schwarz	2022.02.18	1 year	☒
9	Signal Analyzer	FSW85	101602	Rohde & Schwarz	2022.06.30	1 year	☐
10	EMI Test Receiver	ESCi7	100823	Rohde & Schwarz	2022.01.20	1 year	☐
11	EMI Test Receiver	ESI	837514/004	Rohde & Schwarz	2022.08.30	1 year	☒
12	Vector Signal Analyzer	89441A	3416A02620	Agilent Technology	2022.01.20	1 year	☐
13	Network Analyzer	8753ES	US39172348	AGILENT	2022.08.31	1 year	☐
14	EPM Series Power meter	E4418B	GB39512547	Agilent Technology	2022.01.19	1 year	☐
15	RF Power Sensor	E9300A	MY41496631	Agilent Technology	2022.01.19	1 year	☐
16	Microwave Frequency Counter	5352B	2908A00480	Agilent Technology	2022.01.19	1 year	☐
17	Audio Analyzer	8903B	3514A16919	Agilent Technology	2022.01.19	1 year	☐
18	Audio Telephone Analyzer	DD-5601CID	520010281	CREDIX	2022.01.18	1 year	☐
19	Modulation Analyzer	8901A	3041A05716	H.P	2022.01.18	1 year	☐
20	Digital storage Oscilloscope	TDS3052	B015962	Tektronix	2022.08.30	1 year	☐
21	ESG-D Series Signal Generator	E4436B	US39260458	Agilent Technology	2022.01.18	1 year	☐
22	Vector Signal Generator	SMBV100A	257557	Rohde & Schwarz	2022.01.18	1 year	☒
23	GNSS Signal Generator	TC-2800A	2800A000494	TESCOM CO., LTD.	2022.01.19	1 year	☐
24	Signal Generator	SMB100A	179628	Rohde & Schwarz	2022.05.04	1 year	☒
25	Signal Generator	N5173B	MY57280148	KEYSIGHT	2022.06.11	1 year	☐
26	SLIDAC	None	0207-4	Myoung sung Ele.	2022.01.20	1 year	☐
27	DC Power supply	DRP-5030	9028029	Digital Electronic Co.,Ltd	2022.01.20	1 year	☐
28	DC Power supply	E3610A	KR24104505	Agilent Technology	2022.01.19	1 year	☐
29	DC Power supply	UP-3005T	68	Unicon Co.,Ltd	2022.01.20	1 year	☐
30	DC Power Supply	SM 3004-D	114701000117	DELTAELEKTRONIKA	2022.01.19	1 year	☐
31	DC Power supply	6632B	MY43004005	Agilent Technology	2022.01.20	1 year	☒
32	DC Power Supply	6632B	MY43004137	Agilent Technology	2022.01.20	1 year	☐
33	Termination	1433-3	LM718	WEINSCHEL	2022.07.16	1 year	☐
34	Termination	1432-3	QR946	AEROFLEX/WEINSCHEL	2022.07.16	1 year	☐
35	Attenuator	24-30-34	BX5630	Aeroflex / Weinschel	2022.12.01	1 year	☐
36	Attenuator	8498A	3318A09485	HP	2022.01.19	1 year	☐
37	Step Attenuator	8494B	3308A32809	HP	2022.01.19	1 year	☐
38	RF Step Attenuator	RSP	100091	Rohde & Schwarz	2022.01.19	1 year	☐
39	Attenuator	18B50W-20F	64671	INMET	2022.01.19	1 year	☐
40	Attenuator	10 dB	1	Rohde & Schwarz	2022.05.04	1 year	☐
41	Attenuator	54A-10	74564	WEINSCHEL	2022.08.31	1 year	☐
42	Attenuator	56-10	66920	WEINSCHEL	2022.05.04	1 year	☐
43	Attenuator	48-30-33-LIM	BL5350	Weinschel Corp.	2022.07.16	1 year	☒
44	Power divider	11636B	51212	HP	2022.01.21	1 year	☐
45	3Way Power divider	KPDSU3W	00070365	KMW	2022.08.30	1 year	☐
46	4Way Power divider	70052651	173834	KRYTAR	2022.01.19	1 year	☐
47	3Way Power divider	1580	SQ361	WEINSCHEL	2022.05.04	1 year	☐
48	OSP	OSP120	101577	Rohde & Schwarz	2022.06.14	1 year	☐
49	White noise audio filter	ST31EQ	101902	SoundTech	2022.08.31	1 year	☐
50	Dual directional coupler	778D	17693	HEWLETT PACKARD	2022.01.19	1 year	☐
51	Dual directional coupler	772D	2839A00924	HEWLETT PACKARD	2022.01.19	1 year	☐

No.	Instrument	Model	S/N	Manufacturer	Next Cal Date	Cal interval	used
52	Band rejection filter	3TNF-0006	26	DOVER Tech	2022.01.19	1 year	☐
53	Band rejection filter	3TNF-0007	311	DOVER Tech	2022.01.19	1 year	☐
54	Band rejection filter	WTR-BRF2442-84NN	09020001	WAVE TECH Co.,LTD	2022.01.19	1 year	☐
55	Band rejection filter	WRCJV12-5695-5725-5825-5855-50SS	1	Wainwright Instruments GmbH	2022.05.04	1 year	☐
56	Band rejection filter	WRCJV12-5120-5150-5350-5380-40SS	4	Wainwright Instruments GmbH	2022.05.04	1 year	☐
57	Band rejection filter	WRCGV10-2360-2400-2500-2540-50SS	2	Wainwright Instruments GmbH	2022.05.04	1 year	☐
58	Band rejection filter	CTF-155M-S1	001	RF One Electronics	2022.08.30	1 year	☐
59	Band rejection filter	CTF-435M-S1	001	RF One Electronics	2022.08.30	1 year	☐
60	Band rejection filter	CTF-5890M-70MS1	1	RF One Electronics	2022.01.19	1 year	☐
61	Highpass Filter	WHJS1100-10EF	1	WAINWRIGHT	2022.01.19	1 year	☐
62	Highpass Filter	WHJS3000-10EF	1	WAINWRIGHT	2022.01.19	1 year	☐
63	Highpass Filter	WHNX6-5530-7000-26500-40CC	2	Wainwright Instruments GmbH	2022.05.04	1 year	☐
64	Highpass Filter	WHNX6-2370-3000-26500-40CC	4	Wainwright Instruments GmbH	2022.05.04	1 year	☐
65	WideBand Radio Communication Tester	CMW500	102276	Rohde & Schwarz	2022.01.19	1 year	☐
66	WideBand Radio Communication Tester	CMW500	117235	Rohde & Schwarz	2022.01.19	1 year	☐
67	WideBand Radio Communication Tester(with CMX500)	CMW500	167157	Rohde & Schwarz	2022.04.09	1 year	☐
68	Bluetooth Tester	TC-3000B	3000B6A0166	TESCOM CO., LTD.	2022.01.18	1 year	☐
69	Loop Antenna	6502	9203-0493	EMCO	2023.05.31	2 year	☐
70	Loop Antenna	FMZB1513	#374	Schwarzbeck	2023.02.26	2 year	☒
71	BiconiLog Antenna	3142B	1745	EMCO	2022.04.24	2 year	☐
72	Trilog-Broadband Antenna _(R)	VULB 9168	9168-606	SCHWARZBECK	2022.09.21	2 year	☒
73	Biconical Antenna _(T)	VUBA9117	9117-342	Schwarz beck	2022.03.24	2 year	☐
74	Horn Antenna	3115	9605-4834	EMCO	2022.03.06	2 year	☐
75	Horn Antenna	QMS-00208	21909	STEATITE ANTENNA	2022.12.04	2 year	☐
76	Horn Antenna _(R)	3117	00135191	ETS-LINDGREN	2022.04.29	2 year	☐
77	Horn Antenna _(T)	3115	2996	EMCO	2022.02.14	2 year	☐
78	Horn Antenna _(R)	BBHA 9170	9170-722	SCHWARZBECK	2022.05.12	2 year	☐
79	Horn Antenna _(T)	BBHA 9170	743	SCHWARZBECK	2023.01.21	2 year	☐
80	AMPLIFIER(A_10)	TK-PA6S	120009	TESTEK	2022.01.19	1 year	☐
81	AMPLIFIER(C_3)	TK-PA01S	200141-L	TESTEK	2022.08.31	1 year	☒
82	PREAMPLIFIER(C_3)	8449B	3008A02577	Agilent	2022.01.19	1 year	☐
83	RF PRE AMPLIFIER	SCU08F2	100762	Rohde & Schwarz	2022.12.01	1 year	☐
84	AMPLIFIER	TK-PA18	150003	TESTEK	2022.01.21	1 year	☐
85	AMPLIFIER	TK-PA1840H	160010-L	TESTEK	2022.01.21	1 year	☐
86	Horn Antenna	M19RH	T01	OML, Inc.	2022.05.29	2 year	☐
87	Horn Antenna	M19RH	R01	OML, Inc.	2022.05.29	2 year	☐
88	Horn Antenna	M12RH	T02	OML, Inc.	2022.05.29	2 year	☐
89	Horn Antenna	M12RH	R02	OML, Inc.	2022.05.29	2 year	☐
90	Horn Antenna	M08RH	T03	OML, Inc.	2022.05.29	2 year	☐
91	Horn Antenna	M08RH	R03	OML, Inc.	2022.05.29	2 year	☐
92	Horn Antenna	M05RH	T04	OML, Inc.	2022.05.29	2 year	☐
93	Horn Antenna	M05RH	R04	OML, Inc.	2022.05.29	2 year	☐
94	Horn Antenna	M03RH	T05	OML, Inc.	2022.05.29	2 year	☐
95	Horn Antenna	M03RH	R05	OML, Inc.	2022.05.29	2 year	☐
96	Harmonic Mixer	M12HWD	200529-1	OML, Inc.	2022.07.12	1 year	☐
97	Harmonic Mixer	M08HWD	200529-1	OML, Inc.	2022.07.12	1 year	☐
98	Harmonic Mixer	M05HWD	200529-1	OML, Inc.	2022.07.12	1 year	☐
99	Harmonic Mixer	M03HWD	200529-1	OML, Inc.	2022.07.12	1 year	☐
100	Source Module	S19MS-A	200529-1	OML, Inc.	2022.07.02	1 year	☐
101	Source Module	S12MS-A	200529-1	OML, Inc.	2022.07.02	1 year	☐
102	Source Module	S08MS-A	200529-1	OML, Inc.	2022.07.02	1 year	☐
103	Source Module	S05MS-A	200529-1	OML, Inc.	2022.07.02	1 year	☐
104	Source Module	S03MS-A	200529-1	OML, Inc.	2022.07.02	1 year	☐

4. SUMMARY TEST RESULTS

Description of Test	FCC Rule	Reference Clause	Used	Test Result
Transmitter power	Part 95.767	Clause 5.1	☒	Compliance
Occupied Bandwidth	Part 95.773	Clause 5.2	☒	Compliance
Emission Mask	Part 95.779(a)(1)(2)(3)	Clause 5.3	☒	Compliance
Transmitter Radiated Unwanted Emissions	Part 95.779(a)(3)	Clause 5.4	☒	Compliance
Frequency Stability	Part 95.765	Clause 5.5	☒	Compliance
Compliance/pass : The EUT complies with the essential requirements in the standard. Not Compliance : The EUT does not comply with the essential requirements in the standard. N/A : The test was not applicable in the standard.				

Procedure Reference

FCC CFR 47, Part 95C

ANSI/TIA-603-E-2016

ANSI C63.26-2015

ANSI C63.4-2014

5. MEASUREMENT RESULTS

5.1 Transmitter power

5.1.1 Standard Applicable [FCC Part 95.767]

26 - 28 MHz frequency band. For an RCRS transmitter operating on 27.255 MHz, the mean transmitter output power must not exceed 25 Watts. For an RCRS transmitter operating on 26.995, 27.045, 27.095, 27.145, or 27.195 MHz, the mean transmitter output power must not exceed 4 Watts.

5.1.2 Test Environment conditions

- Ambient temperature : (21 ~ 22) °C
- Relative Humidity : (41 ~ 44) % R.H.

5.1.3 Measurement Procedure

The EUT was setup according to ANSI C63.26-2015 for compliance to FCC 47CFR part 95 requirements.

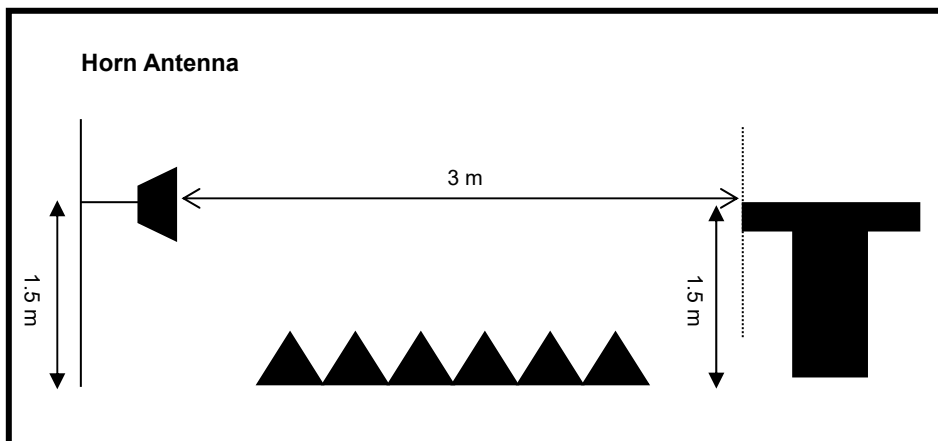
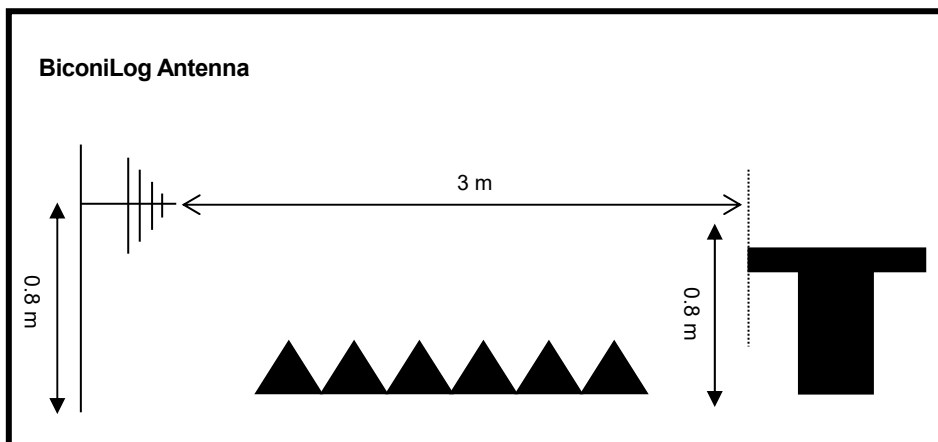
As a below test procedure (①~⑬), The result value of measurement is performed to condition of the below; The EUT will operate in continuous transmission mode during the time necessary to perform the measured of the frequency. Substitution method was performed to determine the actual P_{erp} (or P_{eirp}) emission levels of the EUT.

The following test procedure as below;

The test is performed in a fully pyramidal chamber to determine the accurate frequencies, after maximum emissions level will be checked on a test chamber and measuring distance is 3 m from EUT to test antenna.

- ① The EUT was set on with continuous transmission mode and placed on a high non-conductive table on the chamber.
- ② The test antenna is used on Bi-Log antenna at above 30 MHz, and used on Horn antenna at 1 GHz and then the measurements are repeated with the test antenna for vertical and horizontal polarization. The output of the test antenna will be connected to a measuring receiver, and it is set to tuned over the required standard measuring frequency range.
- ③ At each frequency at which a relevant spurious component is detected, the test antenna will be raised and lowered through the specified range of heights until an maximum signal level is detected on the measuring receiver.
- ④ The EUT is position x, y, z axis on rotating through 360 degrees in the horizontal plane, until the Max. signal level is detected by the measuring receiver.
- ⑤ The receiver is scanned from requested measuring frequency band and then the maximum meter reading is recorded. The radiated emissions were measured with requested standard specification (detector and resolution bandwidth etc.)
- ⑥ The EUT was then removed and replaced with substitution antenna .The center of the antenna was approximately at the same location as the center of the EUT, and calibrated for the frequency of the spurious component detected.
- ⑦ Signal generator output port connected with substitution antenna input port. If necessary, may use shield cable between signal generator and substitution antenna
- ⑧ The frequency of the calibrated signal generator is set to frequency of the spurious component detected, and the input attenuator setting of the measuring receiver was adjust in order to increase the sensitivity of the measuring receiver, if necessary
- ⑨ The test antenna was raised and lowered through the specified range of heights to ensure that maximum signal is received.
- ⑩ The input signal to the substitution antenna was be adjusted until an equal or a known related level to that detected from the transmitter is obtained on the measuring receiver.
- ⑪ The input signal to the substitution antenna was be recorded as a power level and corrected for any change of input attenuator setting of the measuring receiver
- ⑫ The measure of P_{erp} (or P_{eirp}) the spurious components is the larger of the two power levels recorded for each spurious component at the input to the substitution antenna, corrected for the gain of the substitution antenna, if necessary.
- ⑬ It is correction to signal generator's offset value. In this case of P_{erp} (or P_{eirp}) shall calculated as follow as formula ;
• P_{erp} (or P_{eirp}) = Signal generator level (dBm) – Cable loss(dB)

5.1.4 Test setup



5.1.5 Measurement Result

Frequency [MHz]	Transmitter power		Limit [W]	Test Results
	[dBm]	[W]		
27.195	27.05	0.51	4	Compliance

5.2 Occupied Bandwidth

5.2.1 Standard Applicable [FCC Part 95.773]

Each RCRS transmitter type must be designed such that the occupied bandwidth does not exceed 8 kHz for any emission type.

5.2.2 Test Environment conditions

- Ambient temperature : (21 ~ 22) °C
- Relative Humidity : (41 ~ 44) % R.H.

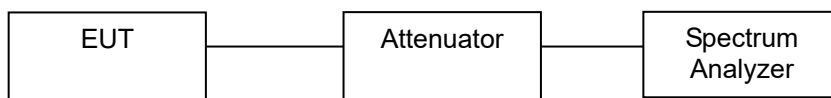
5.2.3 Measurement Procedure

1. The transmitter's antenna port was connected to the spectrum analyzer in peak hold mode.
2. Measure the maximum width of the 99 % occupied bandwidth is the frequency bandwidth of the signal power at the 99 % channel power of occupied bandwidth.

The spectrum analyzer is set to the as follows :

- RBW : 100 Hz
- VBW : >3 x RBW
- Detector function : peak
- Trace : max hold

5.2.4 Test setup



5.2.5 Measurement Result

Frequency [MHz]	99% Bandwidth [kHz]	Limit [kHz]	Test Results
27.195	7.64	8	Compliance

5.2.6 Test Plot



5.3 Emission Mask

5.3.1 Standard Applicable [FCC Part 95.779]

(a) 26 - 28 MHz frequency band. For an RCRS transmitter operating in the 26 - 28 MHz frequency band, the power of unwanted emissions must be attenuated below the transmitter output power in Watts (P) by at least:

- (1) 25 dB (decibels) in the frequency band 4 kHz to 8 kHz removed from the channel center frequency;
- (2) 35 dB in the frequency band 8 kHz to 20 kHz removed from the channel center frequency;
- (3) $43 + 10 \log (P)$ dB in any frequency band removed from the channel center frequency by more than 20 kHz.

5.3.2 Test Environment conditions

- Ambient temperature : (21 ~ 22) °C • Relative Humidity : (41 ~ 44) % R.H.

5.3.3 Measurement Procedure

The transmitter output (antenna port) was connected to the spectrum analyzer.

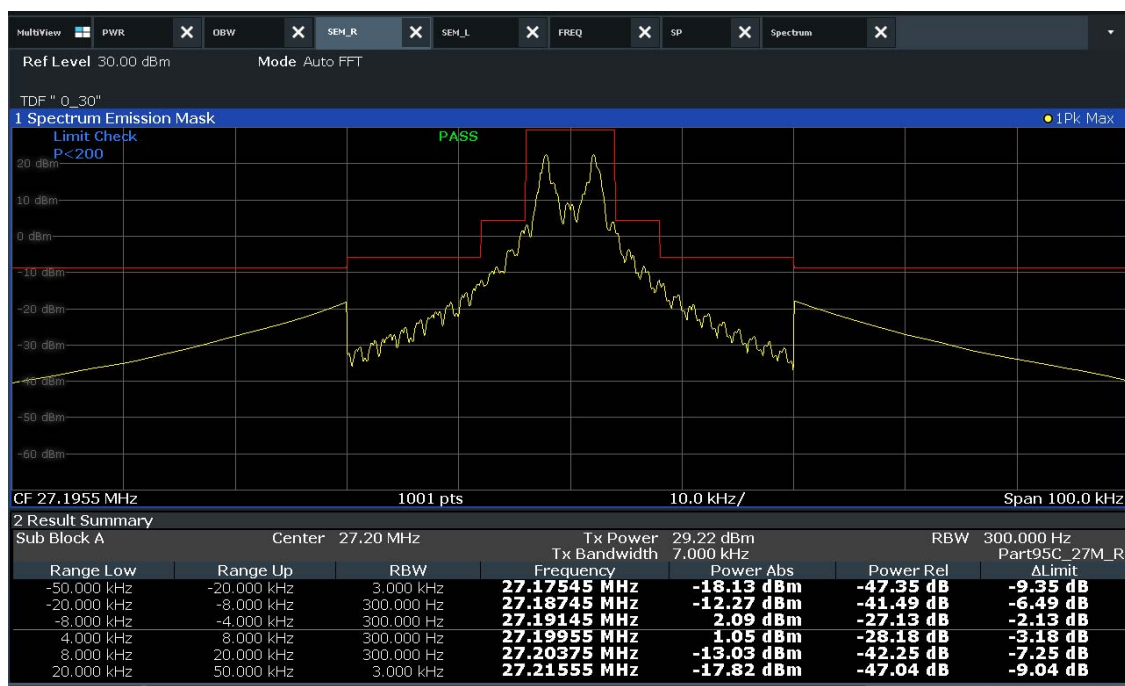
Spectrum set as follow:

- Span = 100 kHz for 12.5 kHz channel spacing
- RBW = 300 Hz
- VBW = 1 kHz
- Sweep = auto
- Detector function = peak
- Trace = max hold

5.3.4 Test setup

Please refer 5.2.4

5.3.5 Measurement Result



5.4 Transmitter Radiated Unwanted Emissions

5.4.1 Standard Applicable [FCC Part 95.779]

43 + 10 log (P) dB in any frequency band removed from the channel center frequency by more than 20 kHz.

43 + 10 log (Pwatts) = 40 dBc (Calculation: Limit (dBm) = P(dBm) - 40 = 27 - 40 = -13 dBm)

5.4.2 Test Environment conditions

- Ambient temperature : (21 ~ 22) °C • Relative Humidity : (41 ~ 44) % R.H.

5.4.3 Measurement Procedure

Conducted: The transmitter output (antenna port) was connected to the spectrum analyzer. The RBW set for 100 kHz and the reference level was adjusted to ensure the system had sufficient dynamic range to measure spurious emissions. The frequency range from 30 MHz to the 10th harmonic of the fundamental transmitter was observed and plotted.

Radiated: Refer 5.1.3

5.4.4 Measurement Result

▪ Conducted

Emission Frequency [MHz]	Level below Carrier [dBc]	Margin [dB]	Limit [dBc]	Test Results
54.04	49.48	9.48	40	Compliance
81.61	61.43	21.43	40	Compliance
108.81	77.75	37.75	40	Compliance



▪ **Radiated**

Emission Frequency [MHz]	Ant Pol	Level below Carrier [dBc]	Margin [dB]	Limit [dBc]	Test Results
54.04	V	48.85	8.85	40	Compliance
81.61	V	62.25	22.25	40	Compliance

5.5 Frequency Stability

5.5.1 Standard Applicable [FCC Part 95.765]

(b) Except as allowed under paragraph (c) of this section, each RCRS transmitter type capable of transmitting in the 26-28 MHz frequency band must be designed such that the carrier frequencies remain within ± 50 ppm of the channel center frequencies listed in §95.763(a) during normal operating conditions.

5.5.2 Test Environment conditions

- Ambient temperature : (21 ~ 22) °C • Relative Humidity : (41 ~ 44) % R.H.

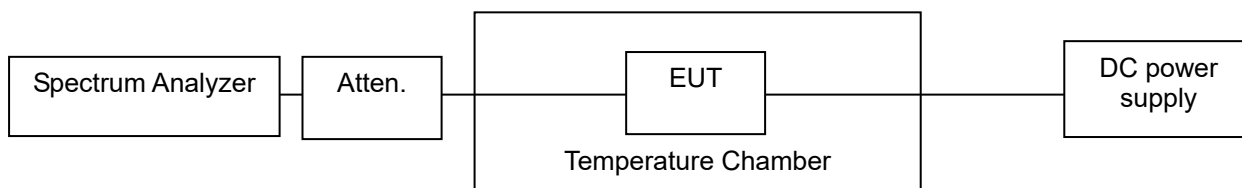
5.5.3 Measurement Procedure

EUT connect to Spectrum analyzer, test is performed in T&H chamber.

These measurements shall also be performed at normal and extreme test conditions.

- Test Method : ANSI/TIA-603-E-2016 for frequency stability tests
 - Frequency stability with respect to ambient temperature (-30 °C to 50 °C)
 - Frequency stability when varying supply voltage (85 % to 115 %)

5.5.4 Test setup



5.5.5 Measurement Result

Temp(°C)	Power Supply	Measured Freq(Hz)	Freq Drift(ppm)
50	DC 7.4 (Vnom)	27,195,361	13.27
40	DC 7.4 (Vnom)	27,195,355	13.05
30	DC 7.4 (Vnom)	27,195,352	12.94
20	DC 7.4 (Vnom)	27,195,342	12.58
10	DC 7.4 (Vnom)	27,195,211	7.76
0	DC 7.4 (Vnom)	27,195,135	4.96
-10	DC 7.4 (Vnom)	27,194,874	-4.63
-20	DC 7.4 (Vnom)	27,194,811	-6.95
-30	DC 7.4 (Vnom)	27,194,387	-22.54
Nom Temperature	DC 6.66 (Vmin)	27,195,345	12.69
Nom Temperature	DC 8.14(Vmax)	27,195,347	12.76
Limit		± 50 ppm	
Test Results		Compliance	