

NCC RADIO TEST REPORT

Product name	智慧投影機 Smart projector
Applicant	展雋創意股份有限公司 Ovomedia Creative Inc. 深圳市投美科技有限公司
Manufacture	SHENZHEN TOUMEI TECHNOLOGY CO., LTD.
Rating(s)	DC12V from Adapter or DC7.4V from battery
Trademark	Warpple
Model and/or type reference	SP1e, SP1
Standard	LP0002:2020
Test Result	PASS

Date of receipt : 06-28-2021

Date of Issue : 07-21-2021

Signature:



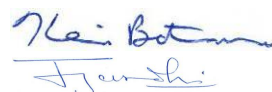
NCC RADIO TEST REPORT

Report Reference No.: M210721N3-05

Compiled by (+ signature) Kevin Bothmann

Approved by (+ signature) Jay Gandhi

Date of issue: 2021-07-21



Applicant's name: 展雋創意股份有限公司

Ovomedia Creative Inc.

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4F., No202, Sec.2, Yanping N. Rd., Datong Dist., Taipei City, Taiwan (R.O.C)

Manufacture's Name: 深圳市投美科技有限公司

SHENZHEN TOUMEI TECHNOLOGY CO., LTD.

Address: 深圳市龍華區觀湖街道樟坑徑社區上圍工業區 00082 棟金昌達 I 棟 601

Building 601, JinChangda Building, Building 00082, Shangwei Industrial Zone, Yukeng Trail Community, Guanhu Street, Longhua District, Shenzhen, China

Test specification:

Standard: LP0002:2020

Test procedure: EIA 603、ANSI、FCC/47 CFR/2.1046、2.1047、2.1049、2.1051、2.1053 and 2.1055

Non-standard test method: N/A

Test item description

Product name: 智慧投影機 Smart projector

Trademark : Warpple

Model and/or type reference: SP1e, SP1

Rating(s): DC12V from Adapter or DC7.4V from battery

Testing Laboratory information:

Testing Laboratory Name: Electro Magnetic Test, Inc.

Address: 1547 Plymouth Street, Mountain View, CA 94043

CAB Identifier Number: US0036

Tel: (650) 965-4000

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Testing

Date of receipt of test item: Jun. 28, 2021

Date (s) of performance of tests: Jun. 28~ Jul.14, 2021

Date of Issue: Jul. 21, 2021

Test Result: Pass

GENERAL REPORT SUMMARY

This electromagnetic emission test report is generated by Electro Magnetic Test, Inc., which is an independent testing and consulting firm. The test report is based on testing performed Electro Magnetic Test, Inc. personnel according to the measurement procedure described in the test specification given below and in the "Test Procedures" section of this report.

The measurement data and conclusions appearing herein relate only to the sample tested and this report may not be reproduced in any form unless done so in full.

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Federal Government.

Electro Magnetic Test, Inc. is recognized by the following agencies for performing EMI/EMC testing:

COUNTRY	AGENCY	IDENTIFYING #
USA	Federal Communications Commission (FCC) (EMT's test site is recognized by the FCC)	Registration Number: 90576
USA, Canada, Taiwan, Australia/New Zealand, European Community	National Voluntary Lab Accreditation Program (NVLAP) (EMT is accredited by NVLAP. A copy of the NVLAP Scope Of Accreditation is available upon request.)	Lab Code: 200147-0
Canada	Industry Canada	File No.: IC 2804
Japan	Voluntary Control Council For Interference (VCCI)	A-0118
	Open Field Test Site "A"	-
	Mains Conducted Emissions Test Site "A"	-
	Telecom Conducted Emissions Test Site "A"	-
	3 Meter Semi-Anechoic Chamber Site "E"	-
	3 Meter Semi-Anechoic Chamber Site "E" (1GHz – 6GHz)	-
	Mains Conducted Emissions Test Site "E"	-
	Telecom Conducted Emissions Test Site "E"	-
Korea	Ministry of Information and Communication's Radio Research Laboratory (RRL) under the Asia Pacific Economic Cooperation (APEC) Mutual Recognition Arrangement (A copy of the Scope Of Accreditation is available upon request)	US0036
Taiwan	Bureau Of Standards, Metrology and Inspection (BSMI)	Reference Number: SL2-IN-E-1024
Australia / New Zealand	Australian Communications Authority (AUSTEL)	*

*These agencies do not issue an identifying number to test labs.

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1 . SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

LP0002 : 2020			
Standard Section	Test Item	Judgment	Remark
5.7.4.5/3.3	Conducted Emission	PASS	None
5.7.4/3.6	Radiated Spurious Emission	PASS	None
5.7.3.3	Peak Output Power	PASS	None
5.7.5	Occupied Bandwidth	PASS	None
5.7.3.3	Power Density	PASS	None
5.7.4/3.6	Restricted Bands	PASS	None
5.7.4/3.6	ANTENNA CONDUCTED SPURIOUS EMISSION	PASS	None
5.7.8	Antenna Requirement	PASS	None

NOTE:

(1) "N/A" denotes test is not applicable in this Test Report

1.1 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Emission Test	1.38dB
2	Radiated Emission Test	3.17dB
3	RF power,conducted	0.16dB
4	Spurious emissions,conducted	0.21dB
5	All emissions,radiated(<1G)	4.68dB
6	All emissions,radiated(>1G)	4.89dB

2 . GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	智慧投影機 Smart projector	
Trade Name	Warpplle	
Model Name	SP1e, SP1	
Serial Model Name	N/A	
Product Description	The EUT is a智慧投影機.	
	Operation Frequency:	5725 ~ 5850 MHz
	Modulation Type:	802.11a/n (HT20/HT40) : OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11ac(VHT20/VHT40/VHT80) : OFDM (QPSK/BPSK/16QAM/64QAM/256QAM)
	Bit Rate of Transmitter	802.11a:54/48/36/24/18/12/9/6Mbps 802.11n: up to 300Mbps 802.11ac: at most 433.3 Mbps
	Number Of Channel	802.11a/n/ac(20MHz):5CH 802.11n/ac(40MHz):3CH 802.11ac(80MHz):1CH
	Output Power:	802.11a: 17.95dBm 802.11n 20: 19.80dBm 802.11ac 20:19.08dBm 802.11n 40: 19.66dBm 802.11ac 40: 19.36dBm 802.11ac 80: 17.91dBm
	Antenna Designation:	Please see Note 3.
	Antenna Gain(Peak)	Antenna 1: 0 dBi Antenna 2: 0 dBi
Channel List	Please refer to the Note 2.	
Power Rating	DC12V from Adapter or DC7.4V from battery	
Model difference	N/A	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2. 5GHz

802.11a/ ac/n 20 MHz Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	153	5765	157	5785	161	5805
165	5825	-	-	-	-	-	-

802.11ac/n 40MHz Carrier Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755	155	5775	159	5795	-	-

802.11ac 80MHz Carrier Frequency Channel	
Channel	Frequency (MHz)
155	5775

3. Table for Filed Antenna

Ant	Trade Name	Model Name	Antenna Type	Connector	Gain (dBi)
ANT 1	深圳市投美科技有限公司	SP1e	PCB Antenna	N/A	2.4G/5G WIFI: 0 dBi
ANT2	深圳市投美科技有限公司	SP1e	PCB Antenna	N/A	2.4G/5G WIFI:0 dBi
ANT 3	深圳市投美科技有限公司	SP1e	PCB Antenna	N/A	BLE/BT: 0 dBi

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description (All rate)
Mode 1	802.11a /n/ac 20 CH149/ CH157/ CH 165
Mode 2	802.11n-ac40 CH 151 / CH 159
Mode 3	802.11AC80 MHz CH 155
Mode 4	RX
Mode 5	HDMI Input Mode

For Conducted Emission	
Final Test Mode	Description
Mode 1	TX Mode (802.11a CH157 worst case)
Mode 5	HDMI Input Mode

For Radiated Emission	
Final Test Mode	Description (worst-case)
Mode 1	802.11a /n 20 CH149/ CH157/ CH 165
Mode 2	802.11n40 CH 151 / CH 159
Mode 3	802.11ac80 MHz CH 155
Mode 4	RX
Mode 5	HDMI Input Mode

Note:

(1) The measurements are performed at the highest, middle, lowest available channels.

Test software Version	0.0.1.94	Test program:	MT7668 QA
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Mode	Power setting
802.11 a/n/ac	16

1. Connect the EUT to the computer with USB port ;
- 2 .Open the “MT7668 QA” test software after the connection, select the relevant parameters to start the test.

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

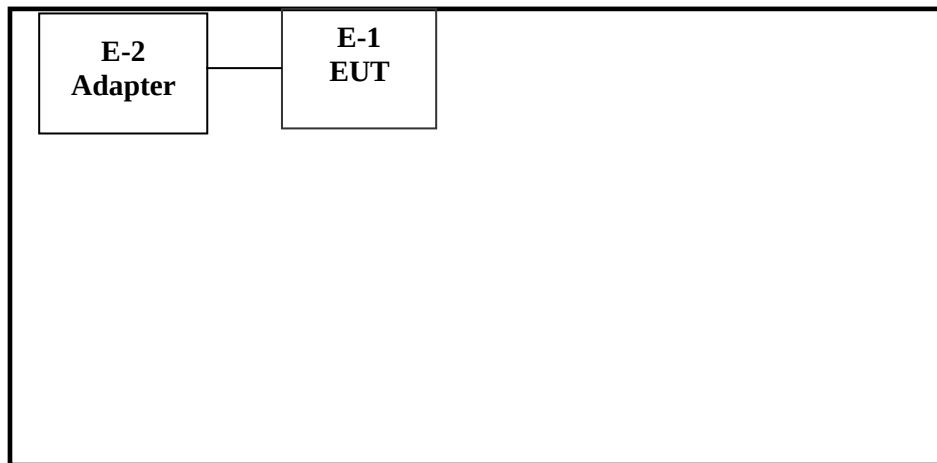
Block diagram of EUT configuration

CONDUCTED EMISSION

Test mode: mode 1

Non-Conductive Table

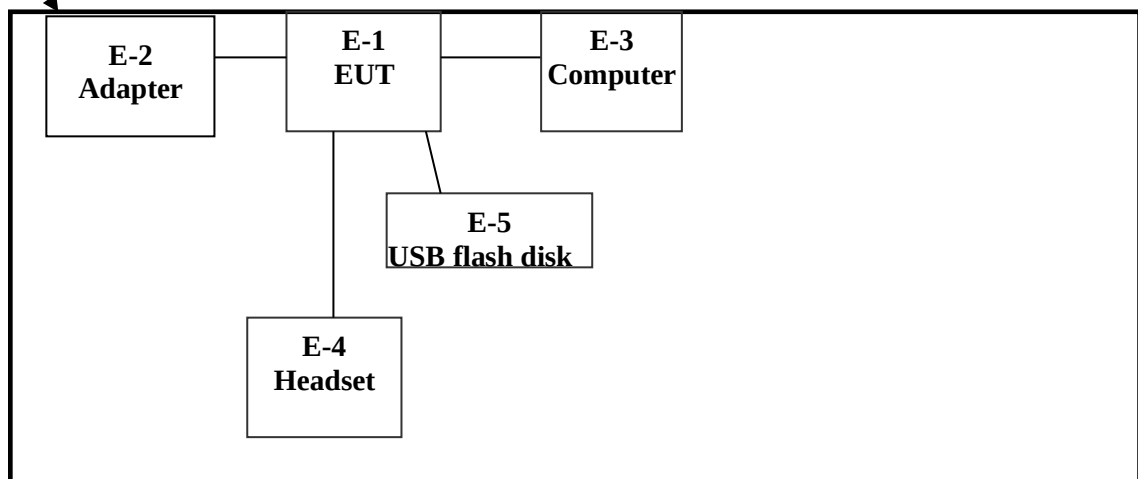
80 cm above Ground Plane



Test mode: mode 5

Non-Conductive Table

80 cm above Ground Plane



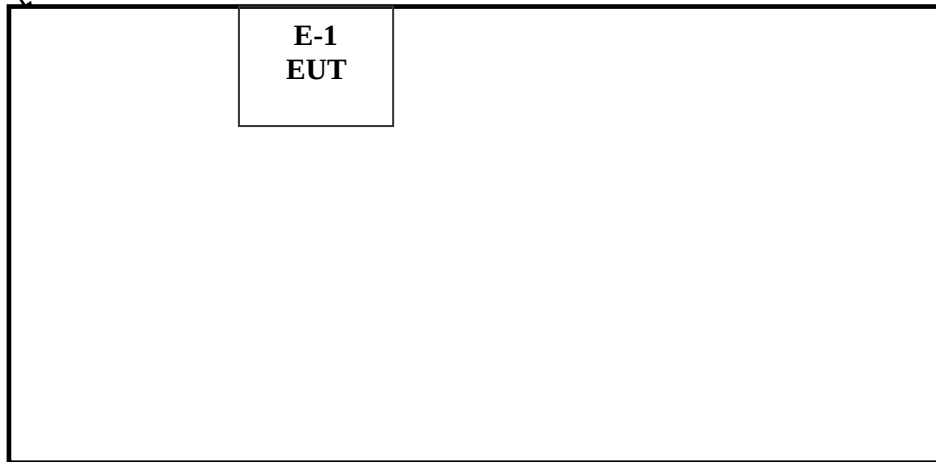
Block diagram of EUT configuration

RADIATED EMISSION

Test mode: mode1, 4

Non-Conductive Table

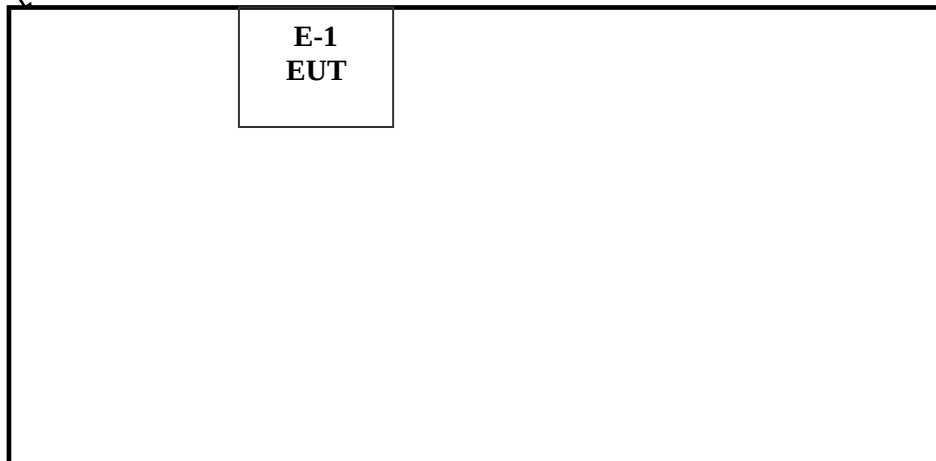
80 cm above Ground Plane



Test mode: mode1, 2, 3,4

Non-Conductive Table

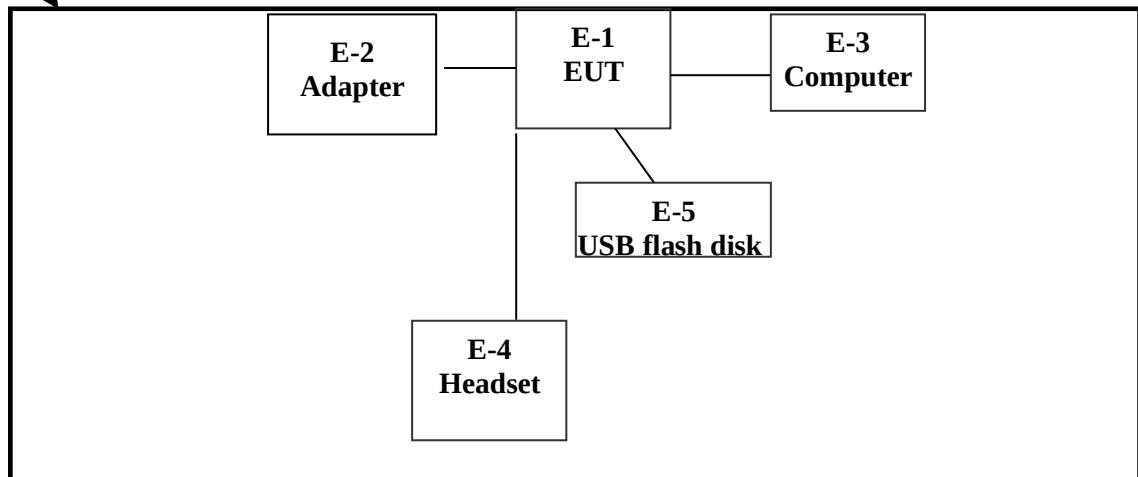
150 cm above Ground Plane



Test mode: mode 5

Non-Conductive Table

80 cm above Ground Plane



2.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
E-1	智慧投影機	DIGITAL PROJECTION	SP1e	N/A	N/A	EUT
E-2	Adapter	TEKA	TEKA-TD120200TW	N/A	N/A	EUT
E-3	Computer	Lenovo	TP00076A	N/A	N/A	Test Accessory*
E-4	Headset	LANGSDOM	M305	N/A	N/A	Test Accessory*
E-5	USB flash disk	KingSton	32GB	N/A	N/A	Test Accessory*

Item	Equipment	Mfr/Brand	Model/Type No.	Note
1	HDMI Line	Warpple	HDMI01	EUT
2	遙控器	Warpple	RC01	EUT
3	Rechargeable Li-ion Battery	深圳市恒訊能源科技有限公司	18650-2S1P	EUT

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) “YES” means “shielded” or “with ferrite core”; “NO” means “unshielded” or “without ferrite core”
- (4) “*”: In this report, the applicant did not provide the accompanying accessories with the equipment. The accessories were provided by the laboratory (or the applicant) and inspected simultaneously.

2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

EQUIPMENT TYPE	MANU-FACTURER	MODEL NUMBER	SERIAL NUMBER	CAL. DATE	CAL. CYCLE
Spectrum Analyzer	Keysight	N9020A	MY53300466	April 29, 2021	1 Year
RF Preselector	Hewlett Packard	85685A	3010A01157	April 29, 2021	1 Year
Quasi-Peak Adapter	Hewlett Packard	85650	2521A00584	April 29, 2021	1 Year
Preamplifier	Com Power	PA-102	1482	April 29, 2021	1 Year
RF Attenuator	Mini-Circuits	CAT-10	Asset #1000	December 08, 2020	1 Year
LISN	Com Power	LI-200	12012	September 09, 2020	1 Year
LISN	Com Power	LI-200	12214	September 09, 2020	1 Year
LISN	Com Power	LI-200	1767	September 09, 2020	1 Year
LISN	Com Power	LI-200	1768	September 09, 2020	1 Year
Biconical Antenna	Com Power	AB-100	01557	December 29, 2020	1 Year
Log Periodic Antenna	Com Power	AL-100	16037	December 22, 2020	1 Year
Horn Antenna	Com Power	AHA-118	711054	December 22, 2020	1 Year
Antenna Mast	Com Power	AM-400	N/A	N/A	N/A
Turntable	Com Power	TT-100	N/A	N/A	N/A
Computer	Dell, Inc.	DHS	DNSV641	N/A	N/A

EMI Test Equipment

EQUIPMENT TYPE	MANU-FACTURER	MODEL NUMBER	SERIAL NUMBER	CAL. DATE	CAL. CYCLE
EMI Receiver	Rohde & Schwarz	ESU40	100127	June 12, 2021	1 Year
BiConiLog Antenna	ETS-Lindgren	3142D	00102183	August 13, 2020	1 Year
Horn Antenna (1GHz-18GHz)	ETS-Lindgren	3117	00109294	May 6, 2021	1 Year
Horn Antenna (15GHz-40GHz)	SCHWARZBECK	BBHA 9170	BBHA9170242	May 6, 2021	1 Year
Preamplifier	Rohde & Schwarz	TS-PR18	100056	June 12, 2021	1 Year
Pre-Amplifier	Agilent	8449B	3008A00409	June 12, 2021	1 Year
Antenna Mast	ETS-Lindgren	2175	00095727	N/A	N/A
Turntable	ETS-Lindgren	2187-3.0	00118231	N/A	N/A
Computer	Acer	Aspire 8930	85100050123	N/A	N/A
Multi-Function Controller	ETS-Lindgren	2090	00102270	N/A	N/A
Loop Antenna	ARA	PLA-1030/B	1029	May 19, 2021	1 Year

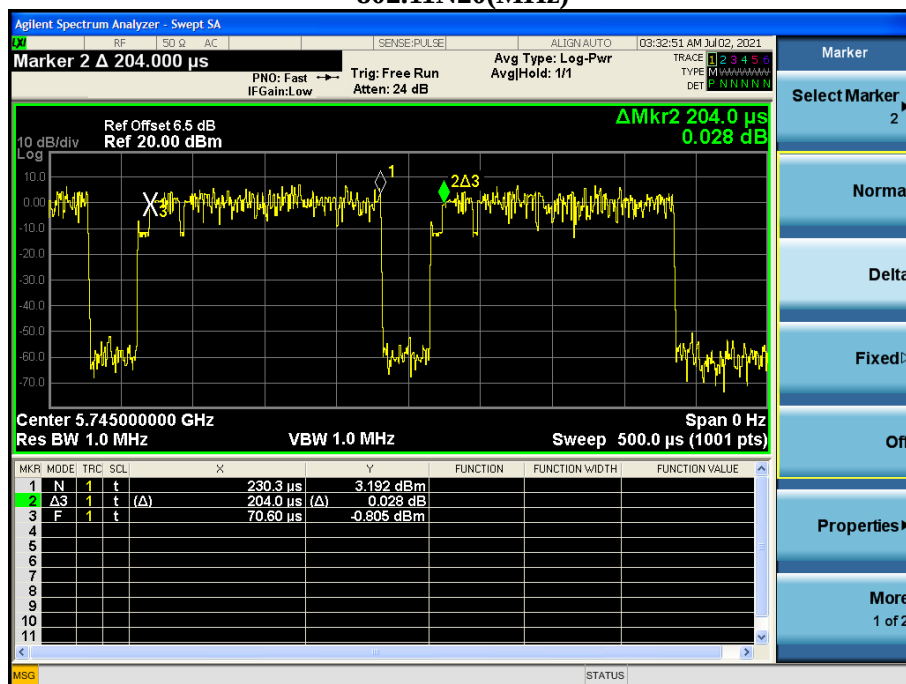
2.6. ON TIME, DUTY CYCLE AND MEASUREMENT METHODS

2.6.1 LIMITS

None; for reporting purposes only.

2.6.2 ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	10log(1/x)Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
802.11a	0.167	0.213	0.784	78.45%	1.054	5.999
802.11N20(MHz)	0.160	0.204	0.783	78.28%	1.063	6.262
802.11AC20(MHz)	0.138	0.184	0.753	75.31%	1.231	7.236
802.11N40(MHz)	0.094	0.139	0.677	67.67%	1.696	10.616
802.11AC40(MHz)	0.079	0.123	0.637	63.75%	1.955	12.723
802.11AC80(MHz)	0.055	0.100	0.548	54.82%	2.611	18.315



[illegible][illegible]

[illegible][illegible]

3 . EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

POWER LINE CONDUCTED EMISSION Limits

(Frequency Range 150kHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		Standard
	Quasi-peak	Average	Quasi-peak	Average	
0.15 -0.5			66 - 56 *	56 - 46 *	CISPR
0.50 -5.0			56.00	46.00	CISPR
5.0 -30.0			60.00	50.00	CISPR

0.15 -0.5			66 - 56 *	56 - 46 *	LP0002
0.50 -5.0			56.00	46.00	LP0002
5.0 -30.0			60.00	50.00	LP0002

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

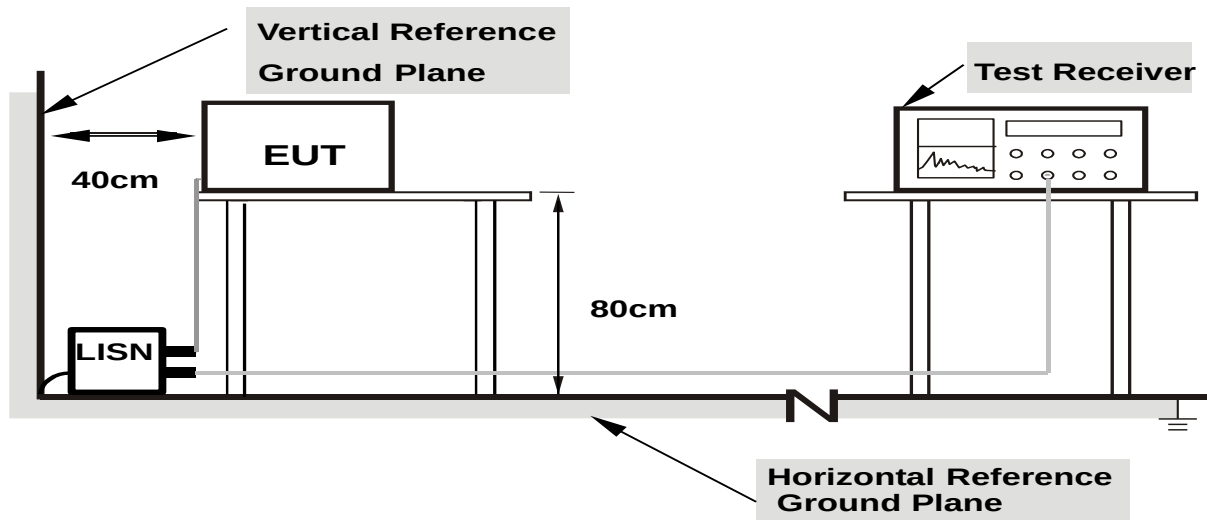
TEST PROCEDURE

- The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

DEVIATION FROM TEST STANDARD

No deviation

TEST SETUP

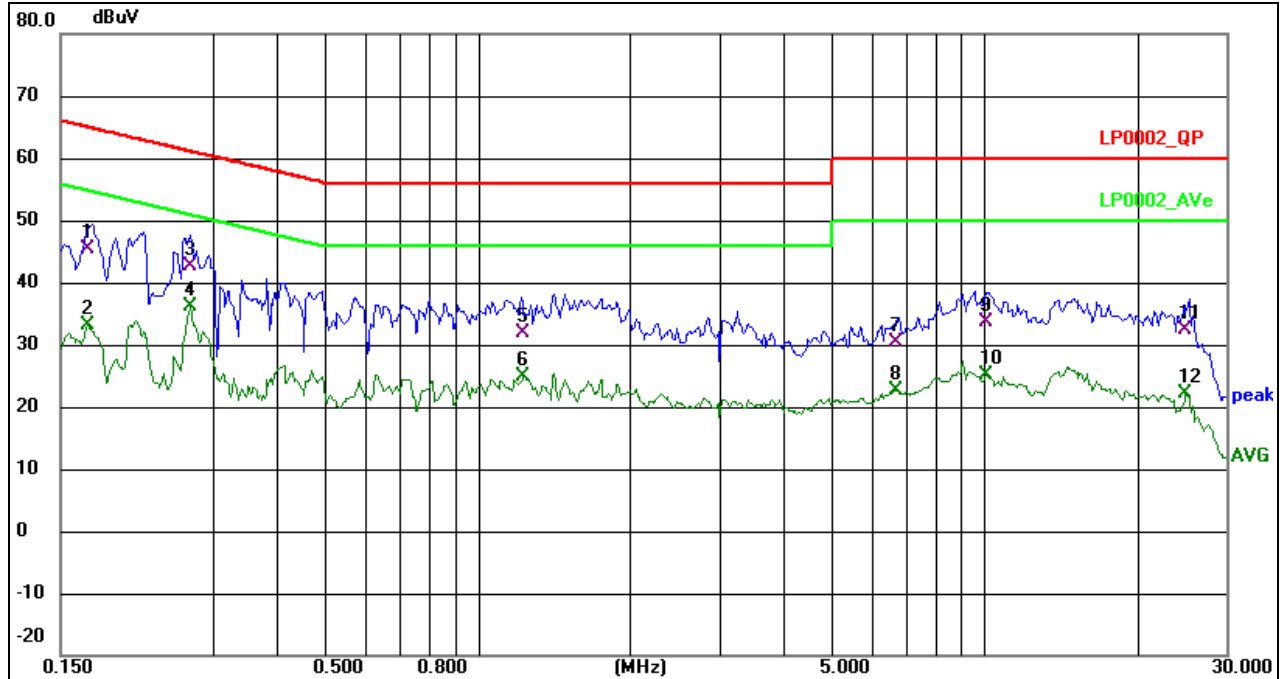


Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

TEST RESULTS

EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2021-07-12
Test Mode :	TX(worst case)	Phase :	L
Test Voltage :	AC 110V/60Hz for Adapter		

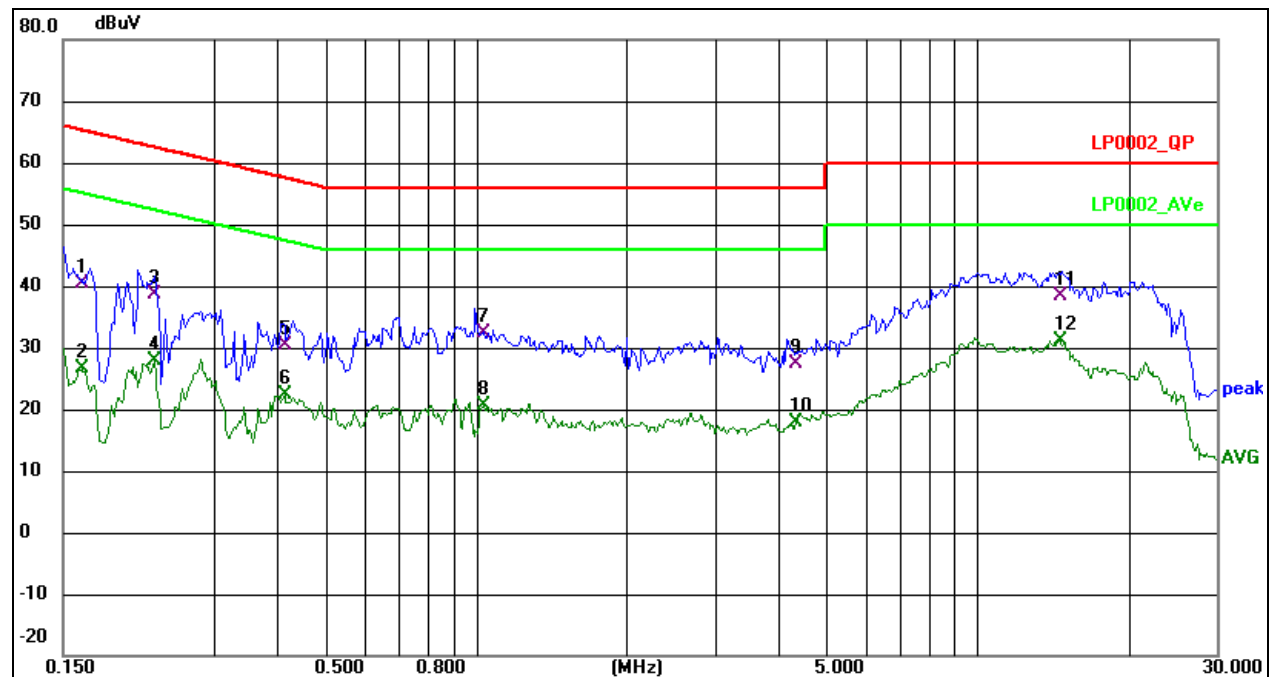


Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss + Pulse limit.
3. '*' means the worst case

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1695	35.58	9.77	45.35	64.98	-19.63	QP	P
2	0.1695	23.25	9.77	33.02	54.98	-21.96	AVG	P
3	0.2706	32.85	9.75	42.60	61.10	-18.50	QP	P
4 *	0.2706	26.35	9.75	36.10	51.10	-15.00	AVG	P
5	1.2338	21.99	9.79	31.78	56.00	-24.22	QP	P
6	1.2338	15.20	9.79	24.99	46.00	-21.01	AVG	P
7	6.6855	20.29	10.00	30.29	60.00	-29.71	QP	P
8	6.6855	12.55	10.00	22.55	50.00	-27.45	AVG	P
9	10.1173	13.30	20.29	33.59	60.00	-26.41	QP	P
10	10.1173	4.78	20.29	25.07	50.00	-24.93	AVG	P
11	24.9801	-3.60	35.97	32.37	60.00	-27.63	QP	P
12	24.9801	-13.91	35.97	22.06	50.00	-27.94	AVG	P

EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2021-07-12
Test Mode :	TX(worst case)	Phase :	N
Test Voltage :	AC 110V/60Hz for Adapter		

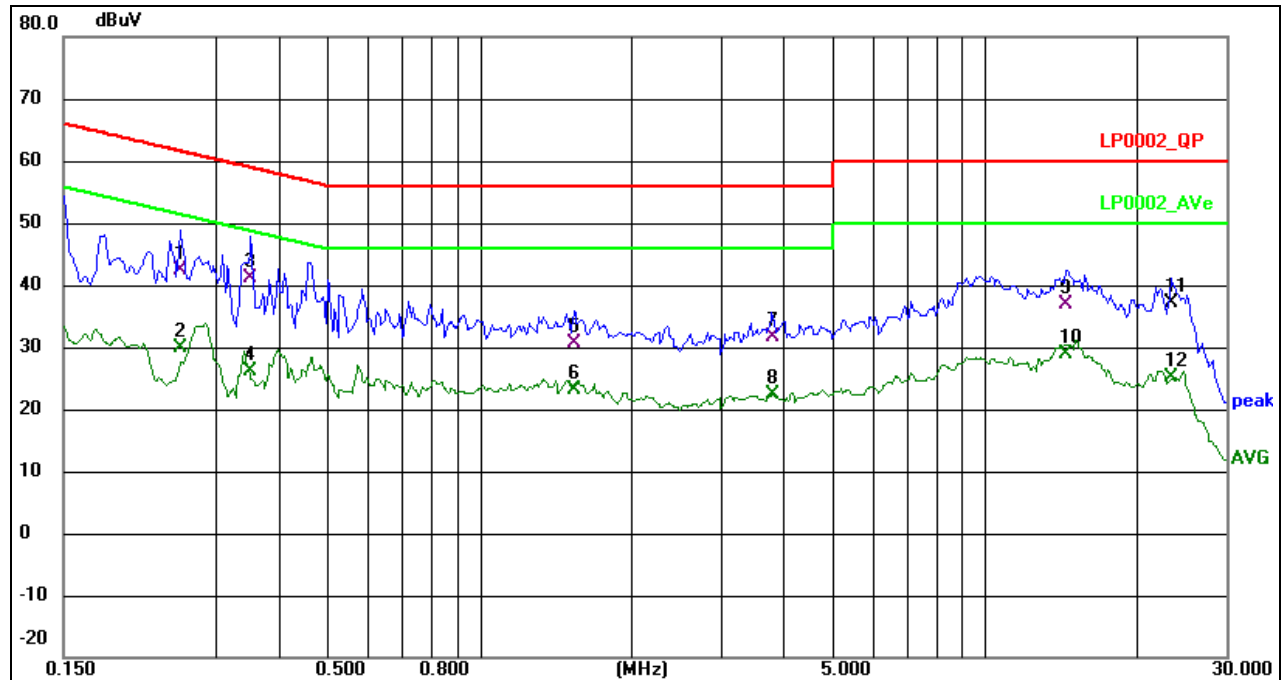


Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss + Pulse limit.
3. '*' means the worst case

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1640	30.60	9.78	40.38	65.26	-24.88	QP	P
2	0.1640	16.91	9.78	26.69	55.26	-28.57	AVG	P
3	0.2280	28.77	9.75	38.52	62.52	-24.00	QP	P
4	0.2280	18.13	9.75	27.88	52.52	-24.64	AVG	P
5	0.4152	20.61	9.76	30.37	57.54	-27.17	QP	P
6	0.4152	12.50	9.76	22.26	47.54	-25.28	AVG	P
7	1.0374	22.71	9.79	32.50	56.00	-23.50	QP	P
8	1.0374	10.95	9.79	20.74	46.00	-25.26	AVG	P
9	4.3494	17.54	9.90	27.44	56.00	-28.56	QP	P
10	4.3494	8.05	9.90	17.95	46.00	-28.05	AVG	P
11	14.6532	28.11	10.36	38.47	60.00	-21.53	QP	P
12 *	14.6532	20.86	10.36	31.22	50.00	-18.78	AVG	P

EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2021-07-12
Test Mode :	Mode 5	Phase :	L
Test Voltage :	AC 110V/60Hz for Adapter		

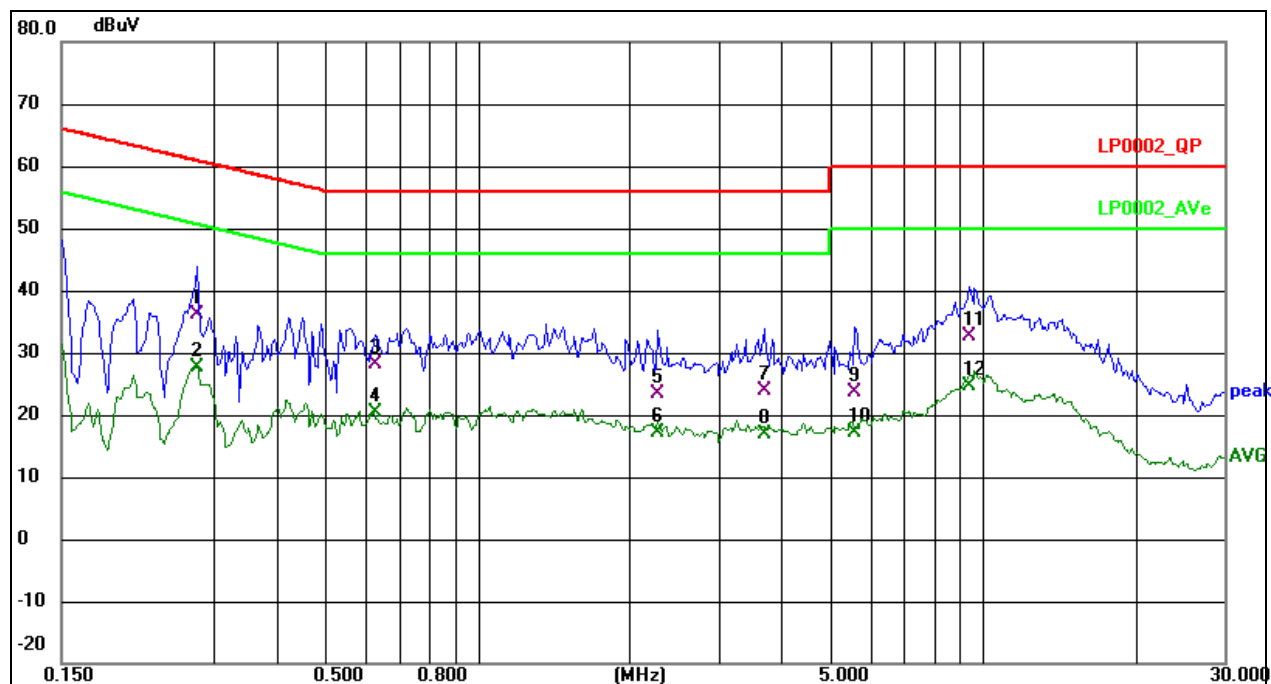


Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss + Pulse limit.
3. '*' means the worst case

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.2553	32.51	9.75	42.26	61.58	-19.32	QP	P
2	0.2553	20.06	9.75	29.81	51.58	-21.77	AVG	P
3 *	0.3528	31.47	9.76	41.23	58.90	-17.67	QP	P
4	0.3528	16.34	9.76	26.10	48.90	-22.80	AVG	P
5	1.5423	20.85	9.80	30.65	56.00	-25.35	QP	P
6	1.5423	13.43	9.80	23.23	46.00	-22.77	AVG	P
7	3.7878	21.63	9.88	31.51	56.00	-24.49	QP	P
8	3.7878	12.49	9.88	22.37	46.00	-23.63	AVG	P
9	14.5128	26.51	10.36	36.87	60.00	-23.13	QP	P
10	14.5128	18.56	10.36	28.92	50.00	-21.08	AVG	P
11	23.3697	26.14	10.89	37.03	60.00	-22.97	QP	P
12	23.3697	14.12	10.89	25.01	50.00	-24.99	AVG	P

EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2021-07-12
Test Mode :	Mode 5	Phase :	N
Test Voltage :	AC 110V/60Hz for Adapter		



Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss + Pulse limit.
3. '*' means the worst case

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.2787	26.39	9.76	36.15	60.85	-24.70	QP	P
2 *	0.2787	17.80	9.76	27.56	50.85	-23.29	AVG	P
3	0.6297	18.43	9.78	28.21	56.00	-27.79	QP	P
4	0.6297	10.71	9.78	20.49	46.00	-25.51	AVG	P
5	2.2716	13.68	9.81	23.49	56.00	-32.51	QP	P
6	2.2716	7.37	9.81	17.18	46.00	-28.82	AVG	P
7	3.6942	13.96	9.87	23.83	56.00	-32.17	QP	P
8	3.6942	7.05	9.87	16.92	46.00	-29.08	AVG	P
9	5.5857	13.62	9.95	23.57	60.00	-36.43	QP	P
10	5.5857	7.07	9.95	17.02	50.00	-32.98	AVG	P
11	9.3999	22.62	10.13	32.75	60.00	-27.25	QP	P
12	9.3999	14.40	10.13	24.53	50.00	-25.47	AVG	P

3.2 RADIATED EMISSION MEASUREMENT

Radiated Emission Limits (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 3.5, then the 3.6 limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to LP0002.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Frequency measurement range:

1 The spectrum shall be measured from the lowest radio frequency signal generated in the device (without going below 9 kHz), and the upper limit of the measurement range shall be decided according to the maximum operating frequency.

1.1 Maximum operating frequency less than 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

1.2 Maximum operating frequency between 10 GHz~30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.

1.3 Maximum operating frequency over 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower.

2 Particular attention should be paid to harmonics and subharmonics of the carrier frequency as well as to those frequencies removed from the carrier by multiples of the oscillator frequency. Radiation at the frequencies of multiplier stages should also be checked.

Spectrum Parameter		Setting	
Attenuation		Auto	
Start Frequency		1000 MHz	
Stop Frequency		10th carrier harmonic	
Measurement	Duty cycle	RBW	Video B/W
PK	Any	1MHz	3MHz
AV	$\geq 98\%$	1MHz	10Hz
	$< 98\%$	1MHz	1/T

NOTE: KDB 558074 Zero-Span Spectrum Analyzer Method

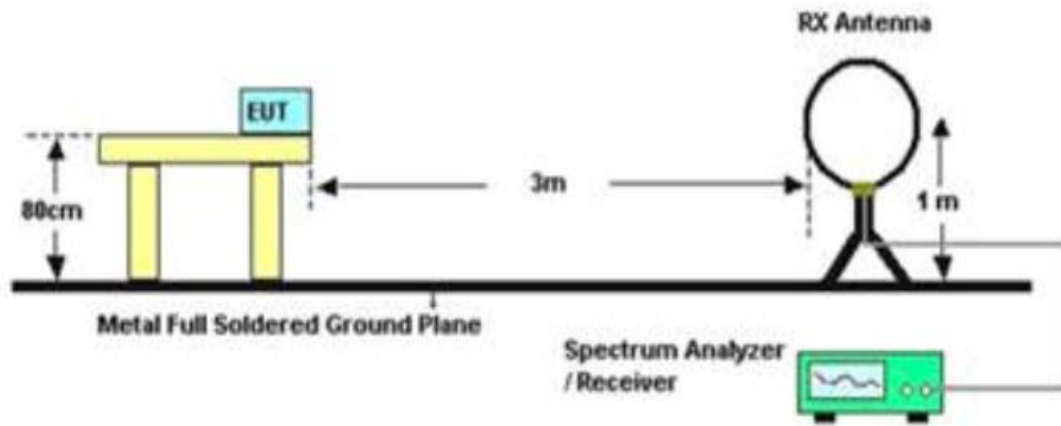
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

TEST PROCEDURE

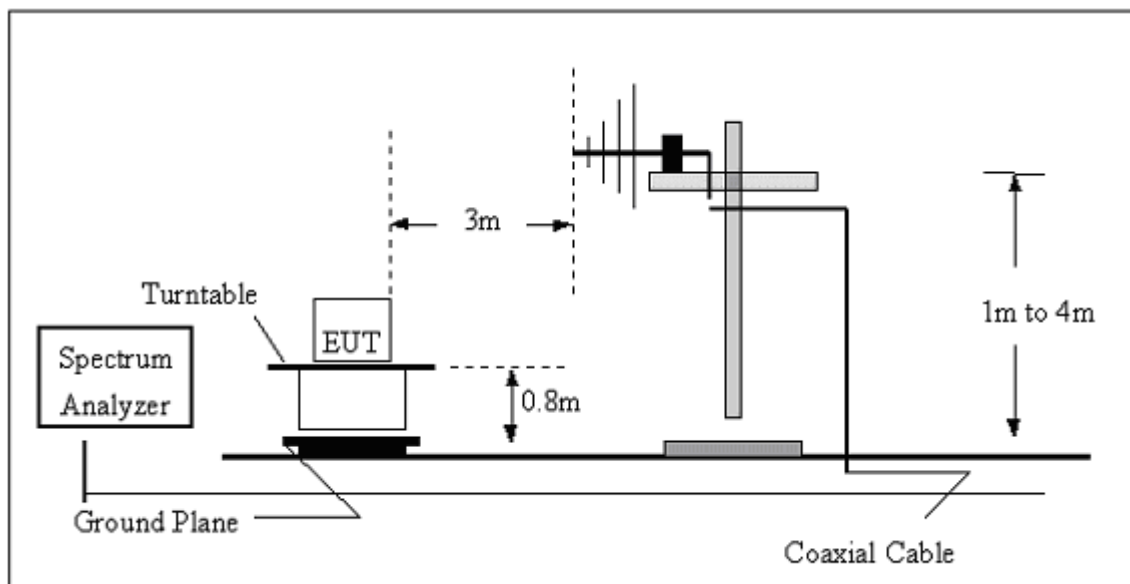
- The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 or 1.5 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

2 TEST SETUP

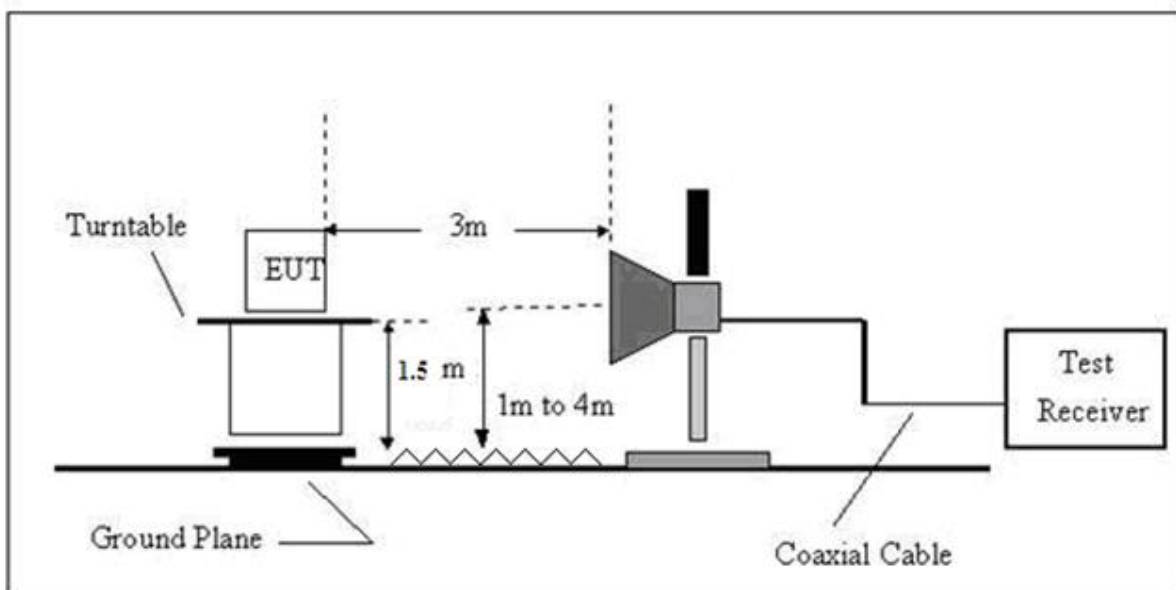
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



3 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

TEST RESULTS

Between 9KHz – 30 MHz

EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2021-07-12
Test Mode :	TX(802.11a CH157 worst case)	Polarization :	--

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	N/A
--	--	--	--	N/A

NOTE:

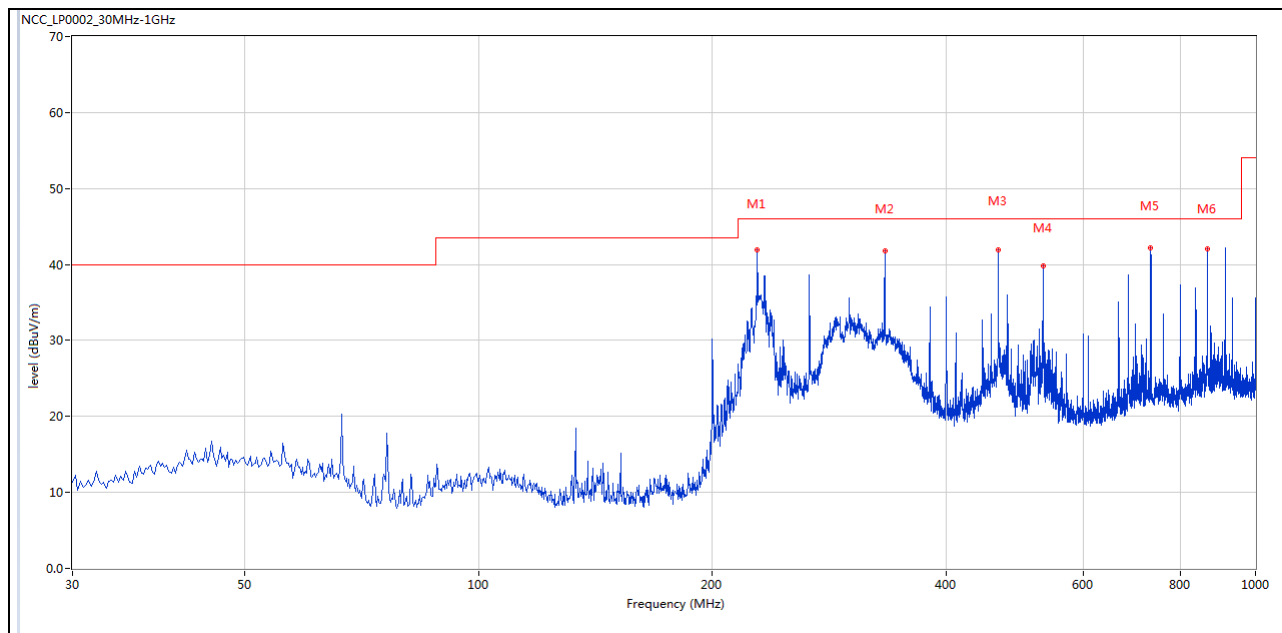
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log (\text{specific distance/test distance})$ (dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.

BETWEEN30 – 1000 MHZ

EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX(802.11a CH157 worst case)	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

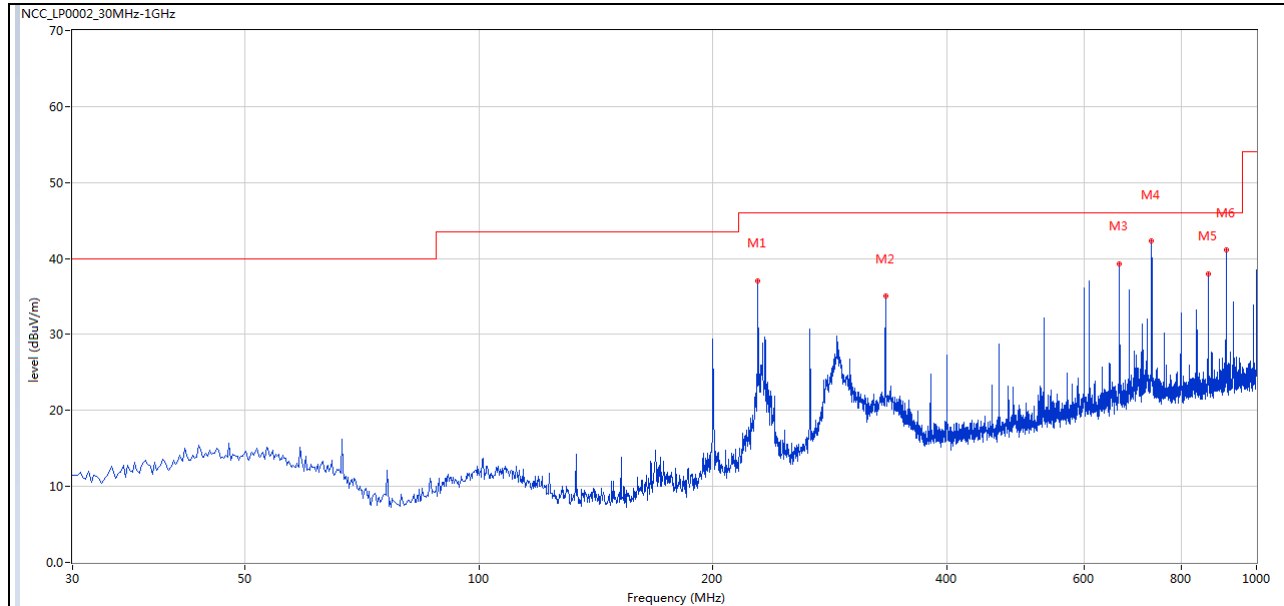


Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1	228.558	41.98	-12.74	46.0	-4.02	Peak	Vertical	Pass
2	333.292	41.84	-10.07	46.0	-4.16	Peak	Vertical	Pass
3	466.633	42.02	-7.74	46.0	-3.98	Peak	Vertical	Pass
4	533.304	39.80	-6.43	46.0	-6.20	Peak	Vertical	Pass
5	733.317	42.12	-3.61	46.0	-3.88	Peak	Vertical	Pass
6	866.658	42.08	-2.38	46.0	-3.92	Peak	Vertical	Pass

EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX(802.11a CH157 worst case)	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

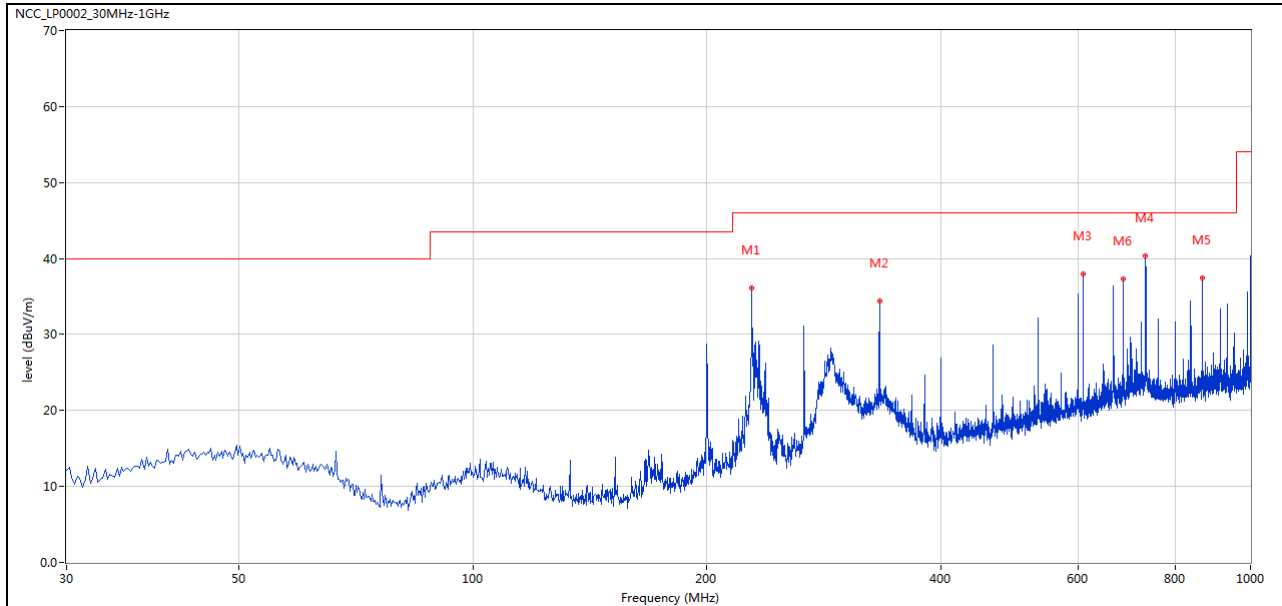


Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1	228.558	37.04	-12.74	46.0	-8.96	Peak	Horizontal	Pass
2	333.292	35.01	-10.07	46.0	-10.99	Peak	Horizontal	Pass
3	666.646	39.33	-4.50	46.0	-6.67	Peak	Horizontal	Pass
4	733.317	42.35	-3.61	46.0	-3.65	Peak	Horizontal	Pass
5	866.658	37.94	-2.38	46.0	-8.06	Peak	Horizontal	Pass
6	914.176	41.07	-1.75	46.0	-4.93	Peak	Horizontal	Pass

EUT :	智慧投影機	Model Name :	SP1e
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2021-07-12
Test Mode :	RX	Polarization :	Horizontal
Test Power :	DC7.4V from battery		

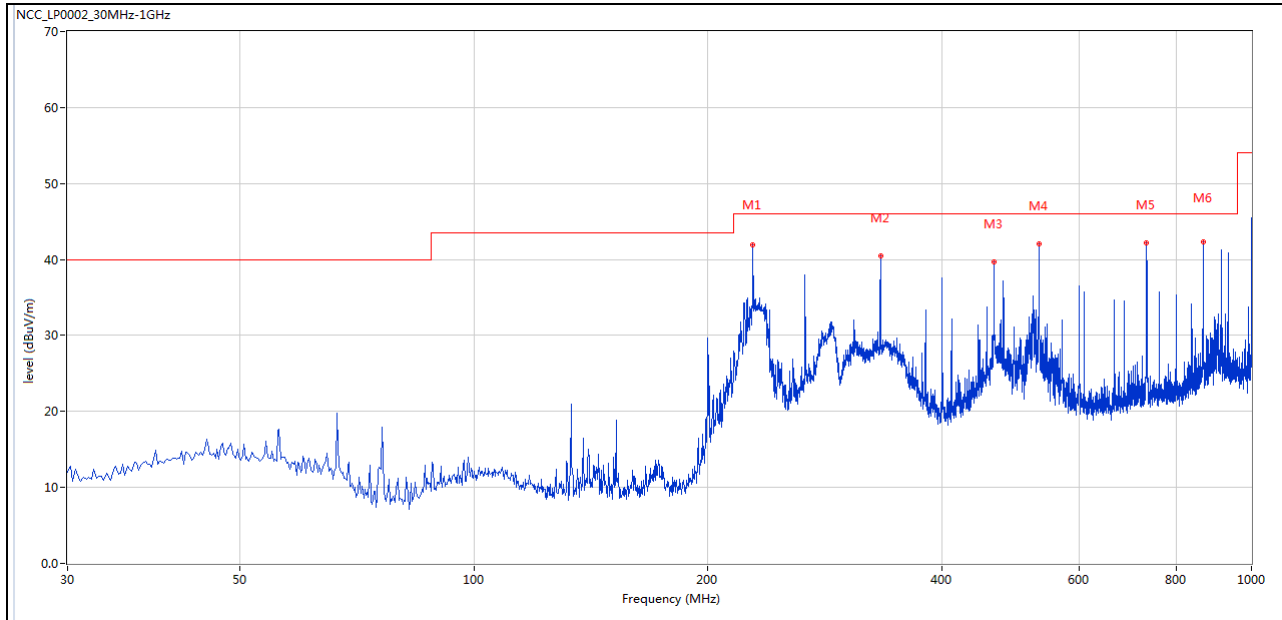


Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1	228.558	36.07	-12.74	46.0	-9.93	Peak	Horizontal	Pass
2	333.292	34.38	-10.07	46.0	-11.62	Peak	Horizontal	Pass
3	609.430	37.96	-5.02	46.0	-8.04	Peak	Horizontal	Pass
4	733.317	40.31	-3.61	46.0	-5.69	Peak	Horizontal	Pass
5	866.658	37.49	-2.38	46.0	-8.51	Peak	Horizontal	Pass
6	685.556	37.30	-4.33	46.0	-8.70	Peak	Horizontal	Pass

EUT :	智慧投影機	Model Name :	SP1e
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2021-07-12
Test Mode :	RX	Polarization :	Vertical
Test Power :	DC7.4V from battery		

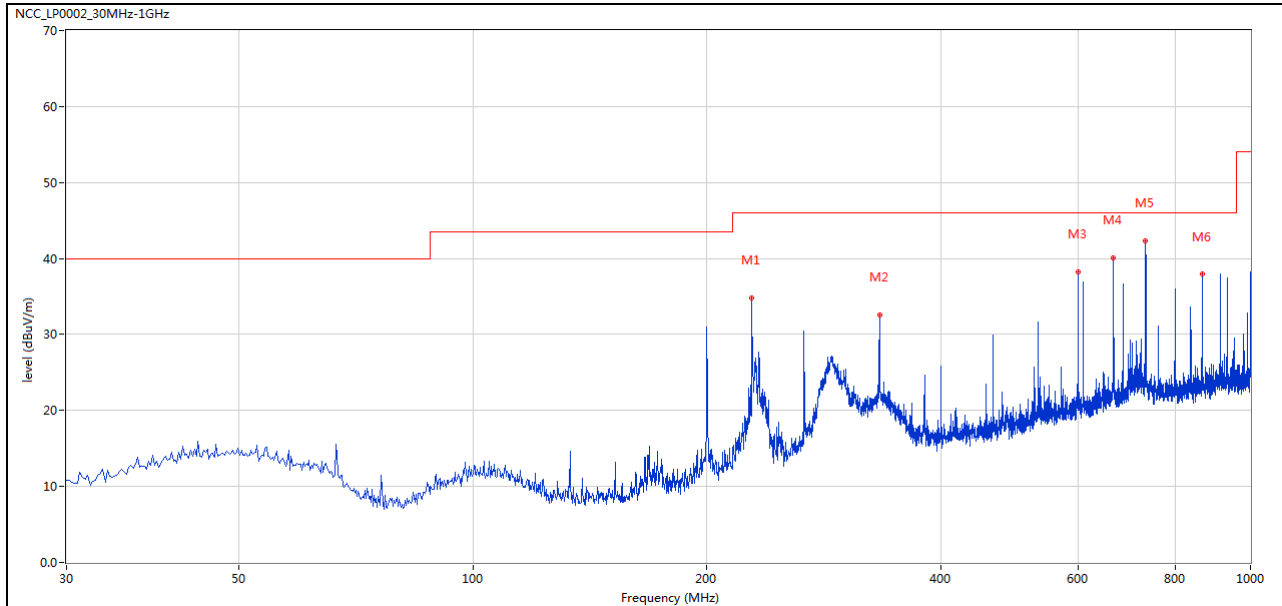


Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1	228.558	42.05	-12.74	46.0	-3.95	Peak	Vertical	Pass
2	333.292	40.49	-10.07	46.0	-5.51	Peak	Vertical	Pass
3	466.391	39.67	-7.74	46.0	-6.33	Peak	Vertical	Pass
4	533.304	42.12	-6.43	46.0	-3.88	Peak	Vertical	Pass
5	733.317	42.23	-3.61	46.0	-3.77	Peak	Vertical	Pass
6	866.658	42.35	-2.38	46.0	-3.65	Peak	Vertical	Pass

EUT :	智慧投影機	Model Name :	SP1e
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2021-07-12
Test Mode :	Mode 5	Polarization :	Horizontal
Test Power :	DC12V from Adapter		

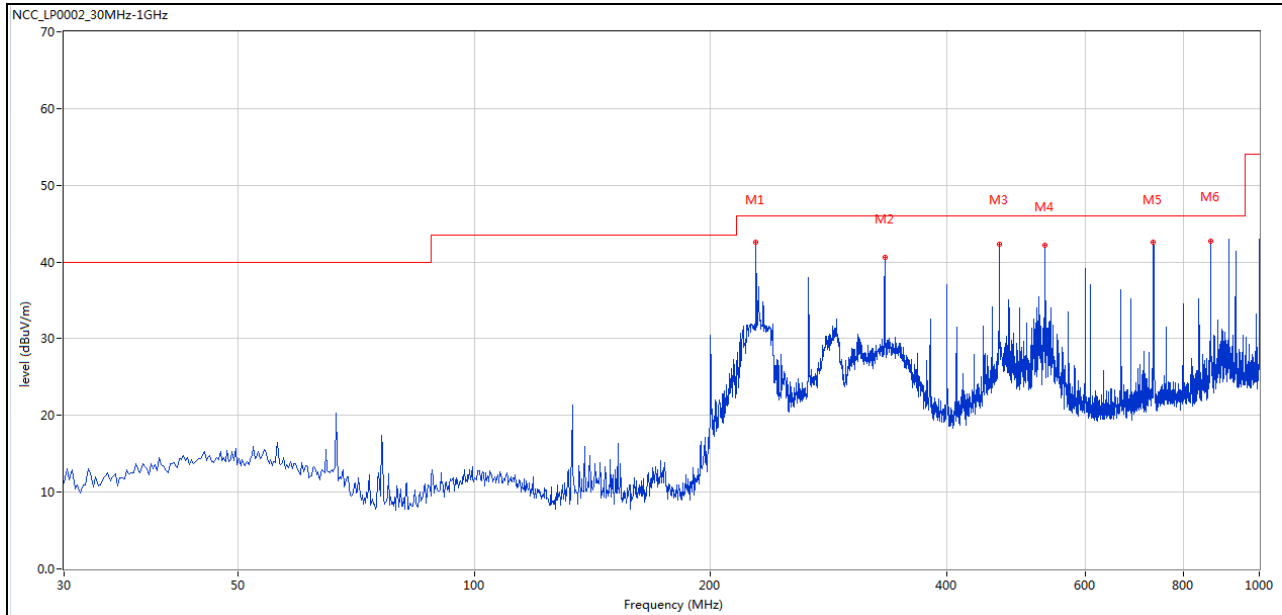


Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1	228.558	34.81	-12.74	46.0	-11.19	Peak	Horizontal	Pass
2	333.292	32.51	-10.07	46.0	-13.49	Peak	Horizontal	Pass
3	599.975	38.24	-4.95	46.0	-7.76	Peak	Horizontal	Pass
4	666.646	40.03	-4.50	46.0	-5.97	Peak	Horizontal	Pass
5	733.317	42.26	-3.61	46.0	-3.74	Peak	Horizontal	Pass
6	866.658	37.90	-2.38	46.0	-8.10	Peak	Horizontal	Pass

EUT :	智慧投影機	Model Name :	SP1e
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2021-07-12
Test Mode :	Mode 5	Polarization :	Vertical
Test Power :	DC12V from Adapter		



Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

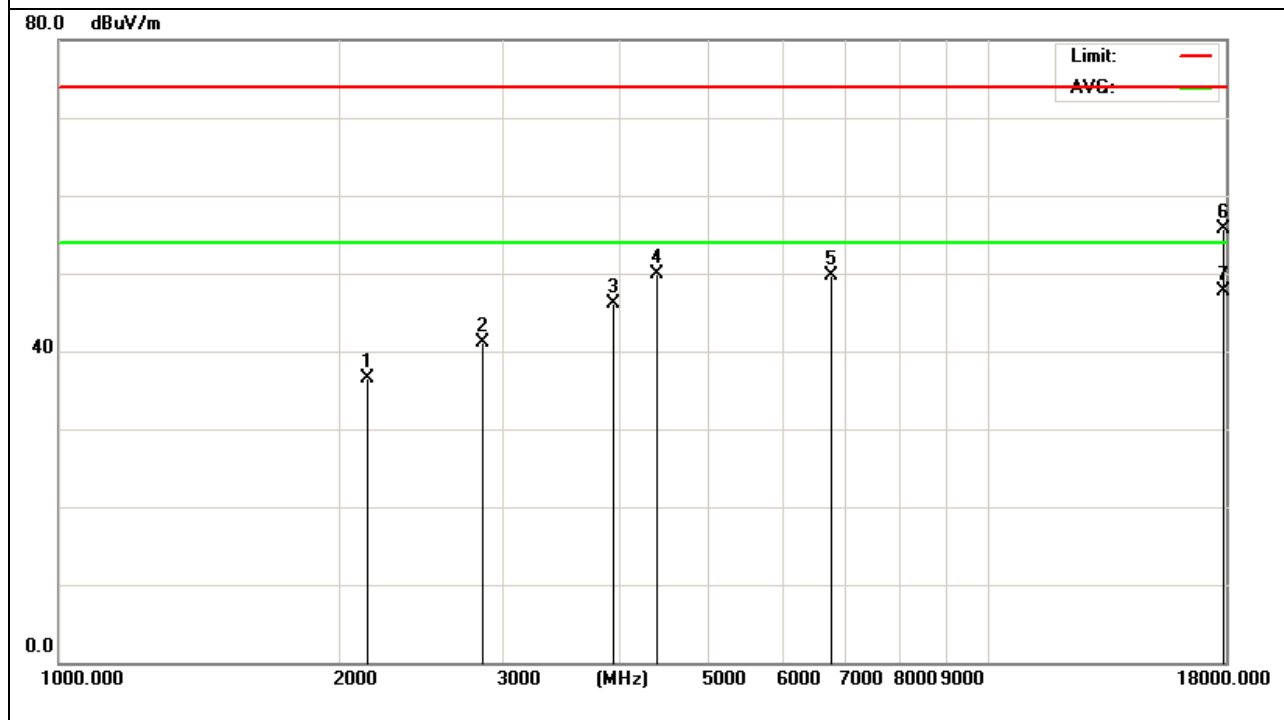
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1	228.558	42.43	-12.74	46.0	-3.57	Peak	Vertical	Pass
2	333.292	40.57	-10.07	46.0	-5.43	Peak	Vertical	Pass
3	466.633	42.33	-7.74	46.0	-3.67	Peak	Vertical	Pass
4	533.304	42.21	-6.43	46.0	-3.79	Peak	Vertical	Pass
5	733.317	42.58	-3.61	46.0	-3.42	Peak	Vertical	Pass
6	866.658	42.76	-2.38	46.0	-3.24	Peak	Vertical	Pass

3.2.5 TEST RESULTS (ABOVE 1000 MHZ)

EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11a-Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2155.526	45.74	-7.83	37.91	74	-36.09	peak
2854.123	43.43	-2.62	40.81	74	-33.19	peak
3945.898	43.78	3.41	47.19	74	-26.81	peak
4394.002	46.13	4.50	50.63	74	-23.37	peak
6768.375	43.61	6.03	49.64	74	-24.36	peak
17864.023	32.54	24.78	57.32	74	-16.68	peak
17864.023	22.31	24.78	47.09	54	-6.91	AVG

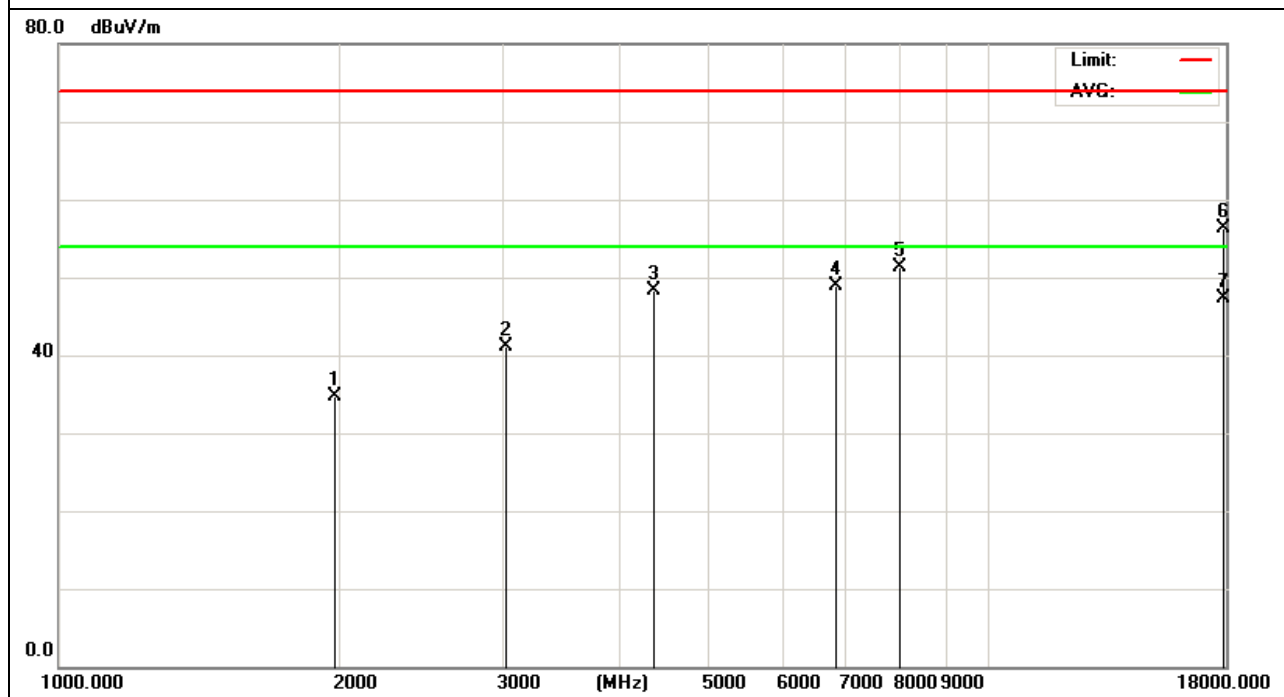
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11a-Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1988.111	45.74	-9.15	36.59	74	-37.41	peak
3023.221	42.53	-1.64	40.89	74	-33.11	peak
4361.547	44.11	4.45	48.56	74	-25.44	peak
6844.500	43.87	6.08	49.95	74	-24.05	peak
8016.396	41.27	10.4	51.67	74	-22.33	peak
17876.001	33.12	24.77	57.89	74	-16.11	peak
17876.001	23.01	24.77	47.78	54	-6.22	AVG

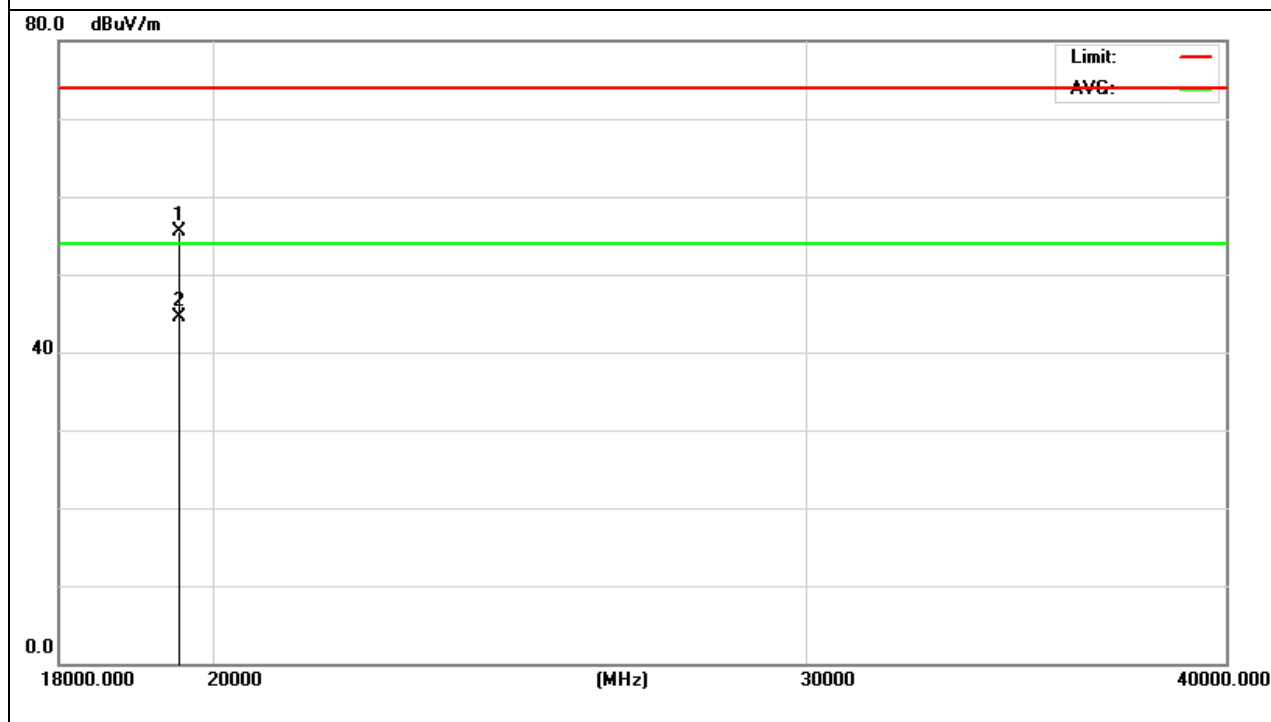
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11a-Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
19534.443	41.52	14.58	56.1	74	-17.9	peak
19534.443	29.66	14.58	44.24	54	-9.76	AVG

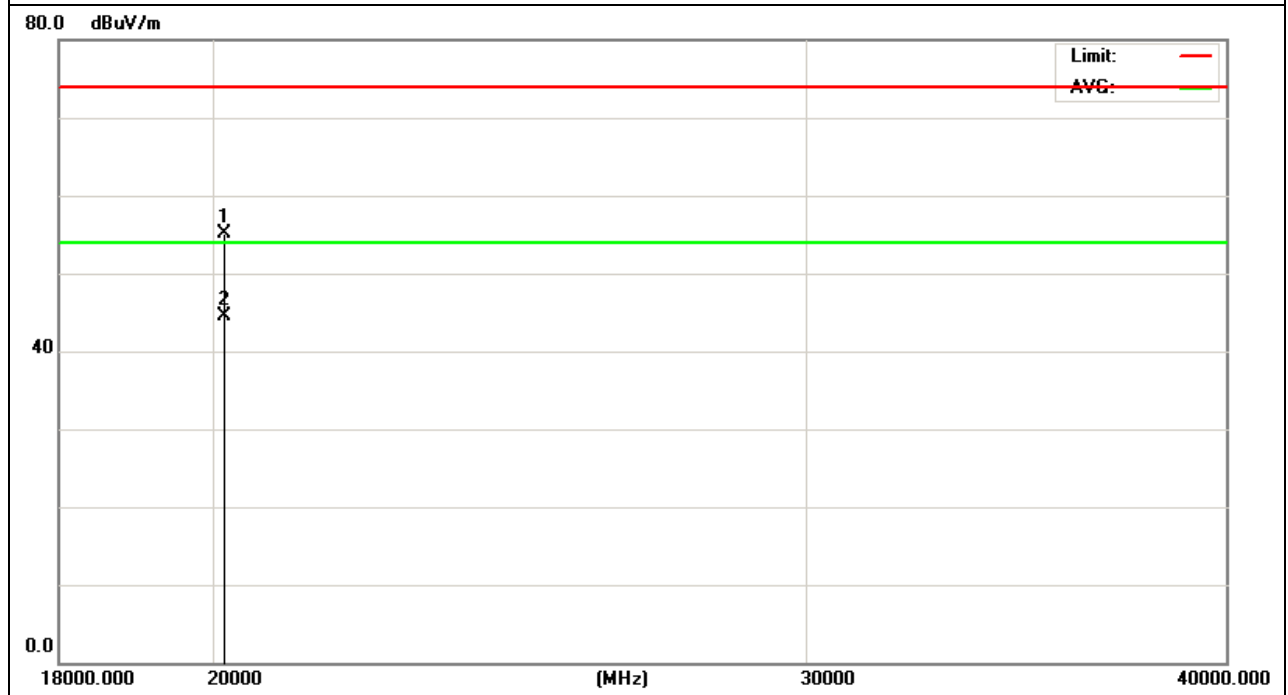
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11a-Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
20147.000	39.47	15.49	54.96	74	-19.04	peak
20147.000	29.47	15.49	44.96	54	-9.04	AVG

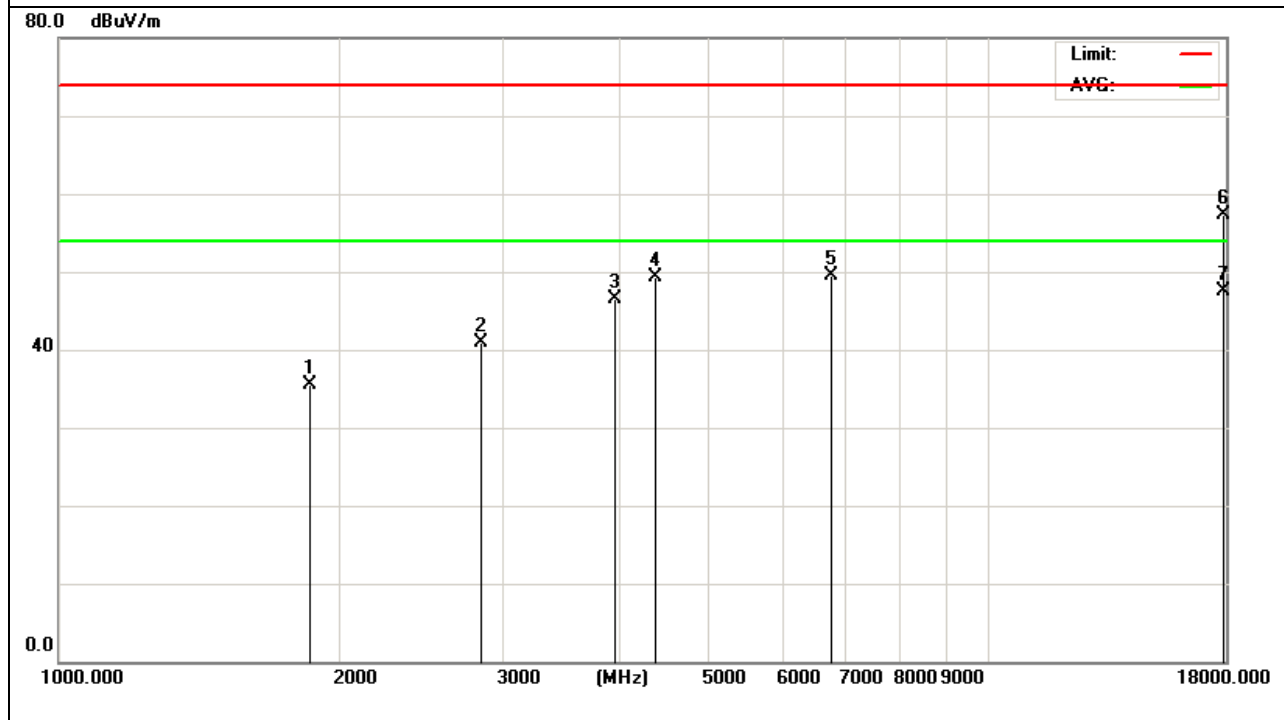
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11a-Mid Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1866.059	46.98	-9.45	37.53	74	-36.47	peak
2846.507	43.51	-2.65	40.86	74	-33.14	peak
3955.693	43.92	3.47	47.39	74	-26.61	peak
4382.246	46.13	4.49	50.62	74	-23.38	peak
6781.597	43.16	6.03	49.19	74	-24.81	peak
17894.420	34.51	24.76	59.27	74	-14.73	peak
17894.420	22.50	24.76	47.26	54	-6.74	AVG

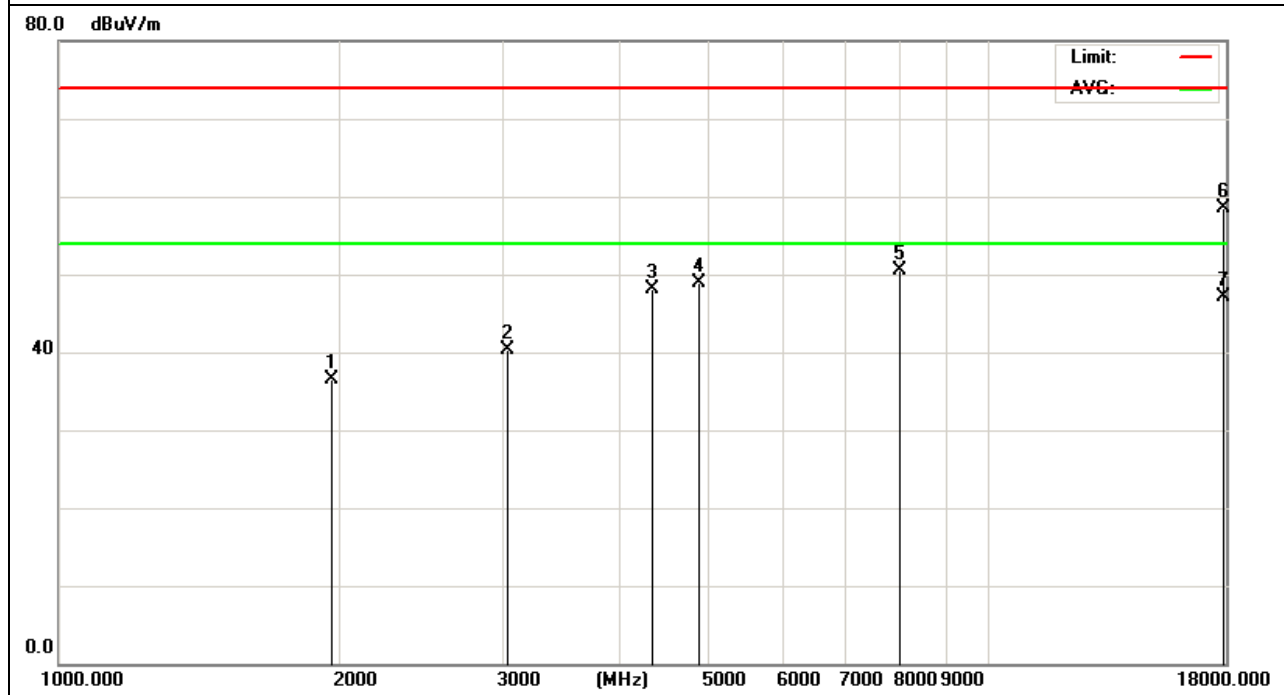
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11a-Mid Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1968.254	46.78	-9.24	37.54	74	-36.46	peak
3031.303	41.69	-1.62	40.07	74	-33.93	peak
4356.728	44.78	4.43	49.21	74	-24.79	peak
4875.594	44.80	5.13	49.93	74	-24.07	peak
8021.537	39.90	10.40	50.30	74	-23.70	peak
17852.395	35.03	24.79	59.82	74	-14.18	peak
17852.395	21.93	24.79	46.72	54	-7.28	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11a-Mid Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
20743.000	37.73	16.37	54.1	74	-19.9	peak
20743.000	29.37	16.37	45.74	54	-8.26	AVG

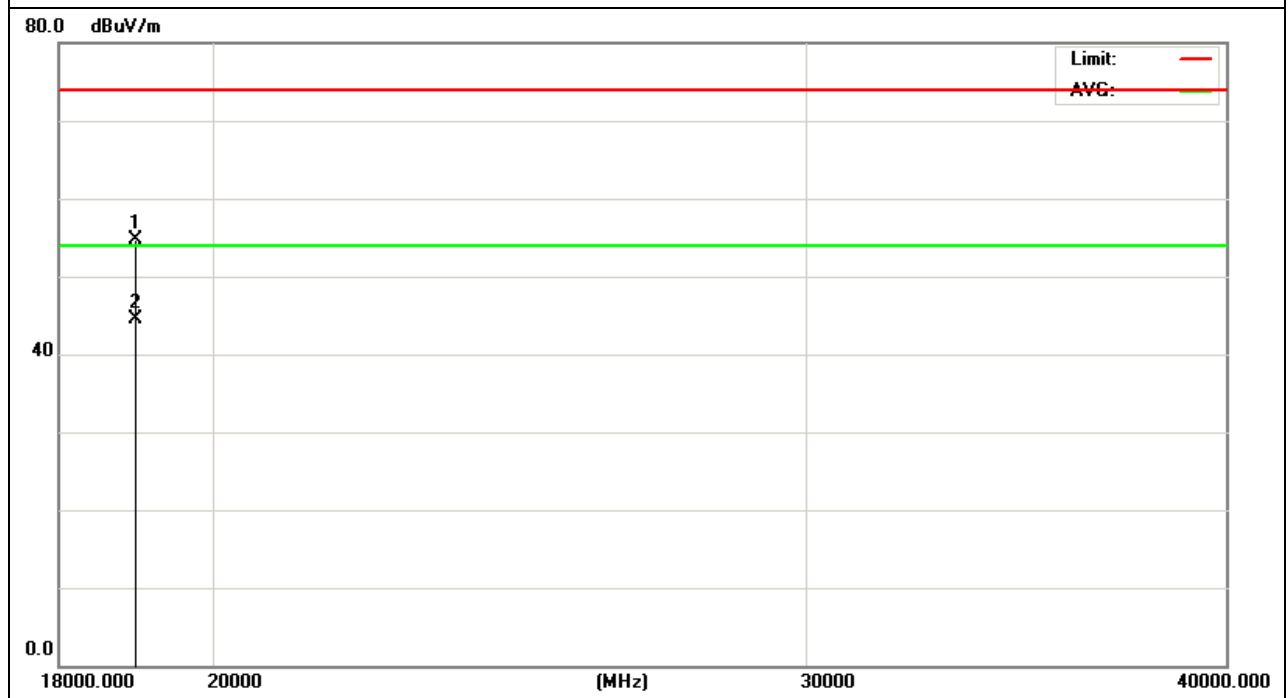
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11a-Mid Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
18965.000	41.69	13.74	55.43	74	-18.57	peak
18965.000	30.52	13.74	44.26	54	-9.74	AVG

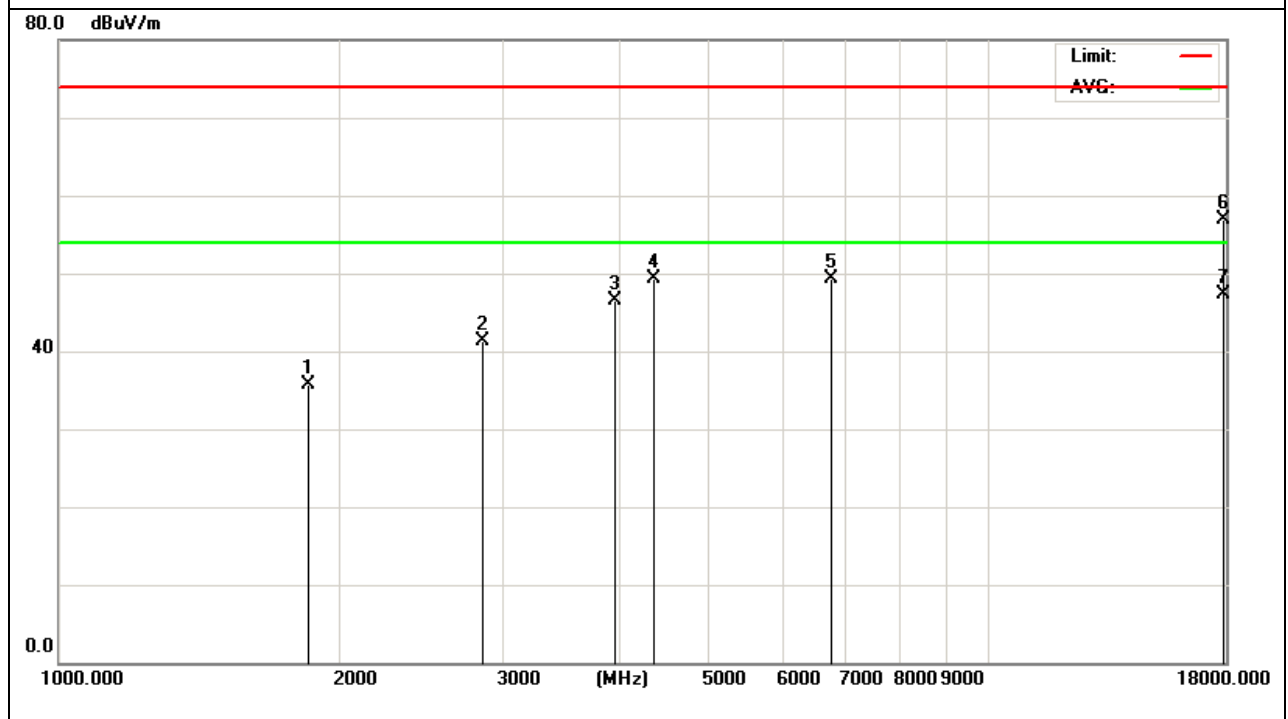
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11a- High Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1861.349	46.36	-9.44	36.92	74	-37.08	peak
2860.649	43.43	-2.58	40.85	74	-33.15	peak
3962.754	43.71	3.53	47.24	74	-26.76	peak
4368.809	46.13	4.46	50.59	74	-23.41	peak
6775.788	43.26	6.03	49.29	74	-24.71	peak
17869.827	34.19	24.77	58.96	74	-15.04	peak
17869.827	22.01	24.77	46.78	54	-7.22	AVG

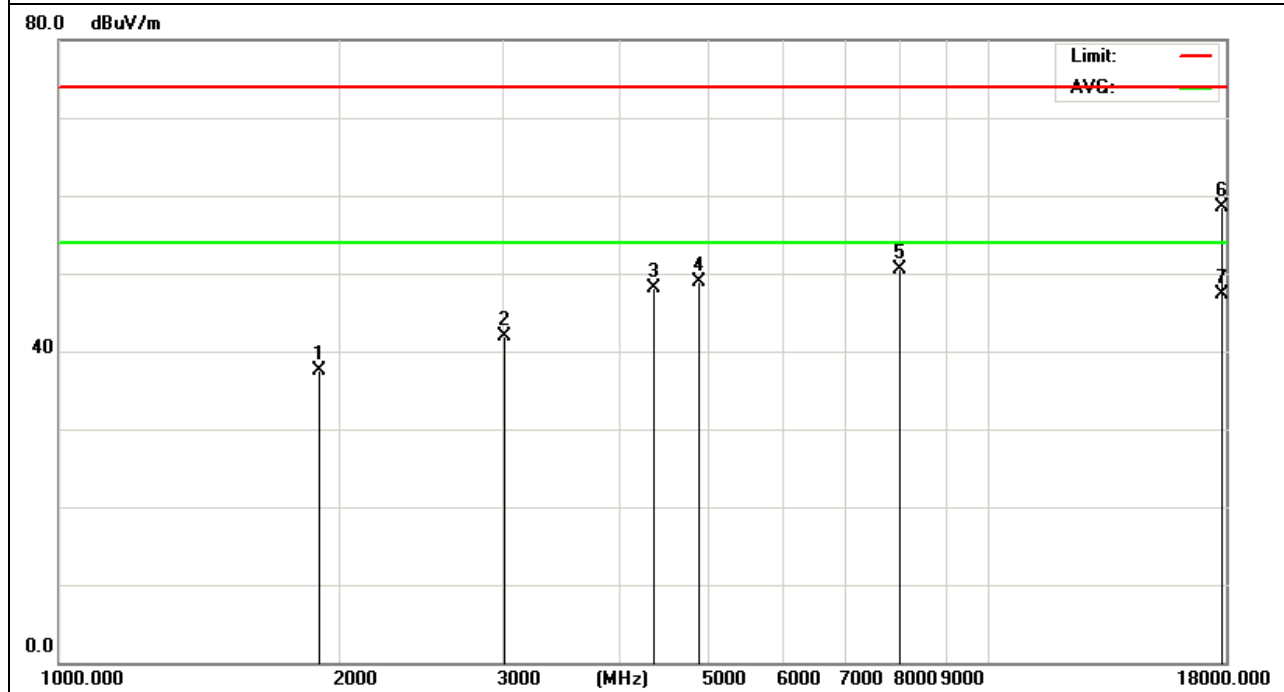
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11a- High Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1906.201	49.09	-9.52	39.57	74	-34.43	peak
3017.767	43.04	-1.65	41.39	74	-32.61	peak
4370.916	44.23	4.46	48.69	74	-25.31	peak
4866.396	45.58	5.12	50.70	74	-23.30	peak
8007.188	39.98	10.38	50.36	74	-23.64	peak
17811.832	35.84	24.82	60.66	74	-13.34	peak
17811.832	22.61	24.82	47.43	54	-6.57	AVG

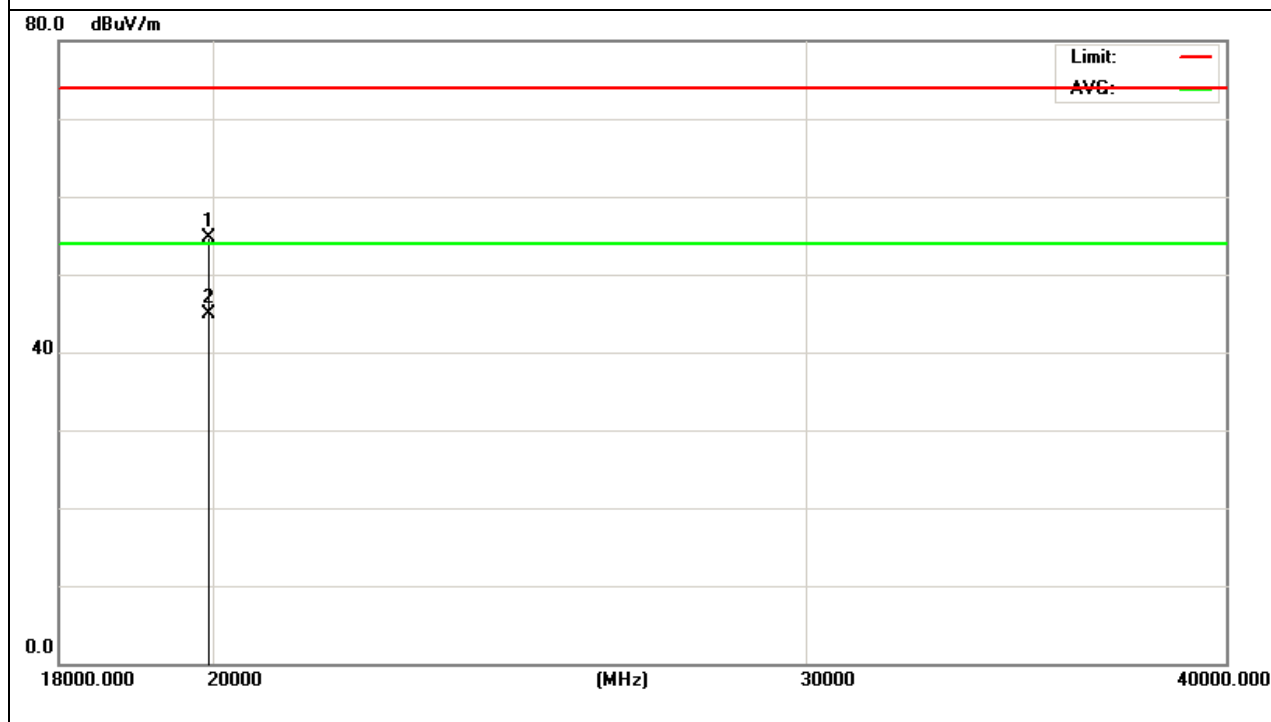
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11a- High Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
19945.000	39.83	15.18	55.01	74	-18.99	peak
19945.000	29.39	15.18	44.57	54	-9.43	AVG

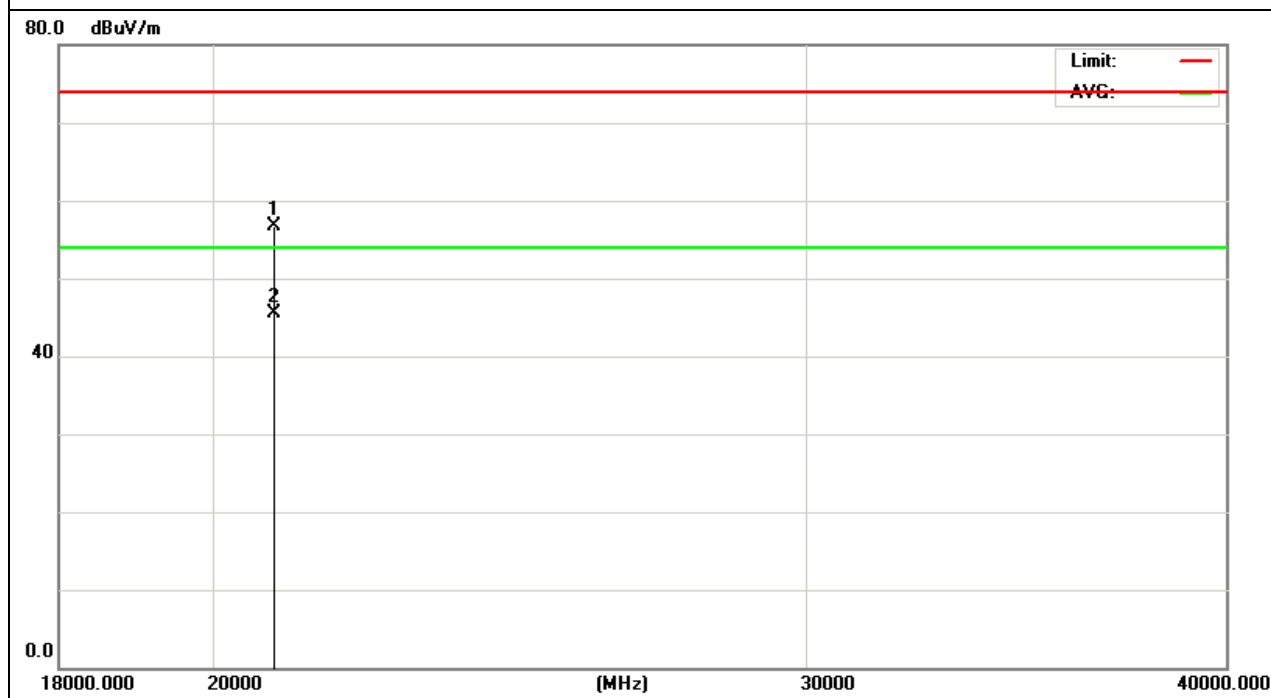
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11a- High Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
20843.000	40.37	16.51	56.88	74	-17.12	peak
20843.000	29.59	16.51	46.1	54	-7.9	AVG

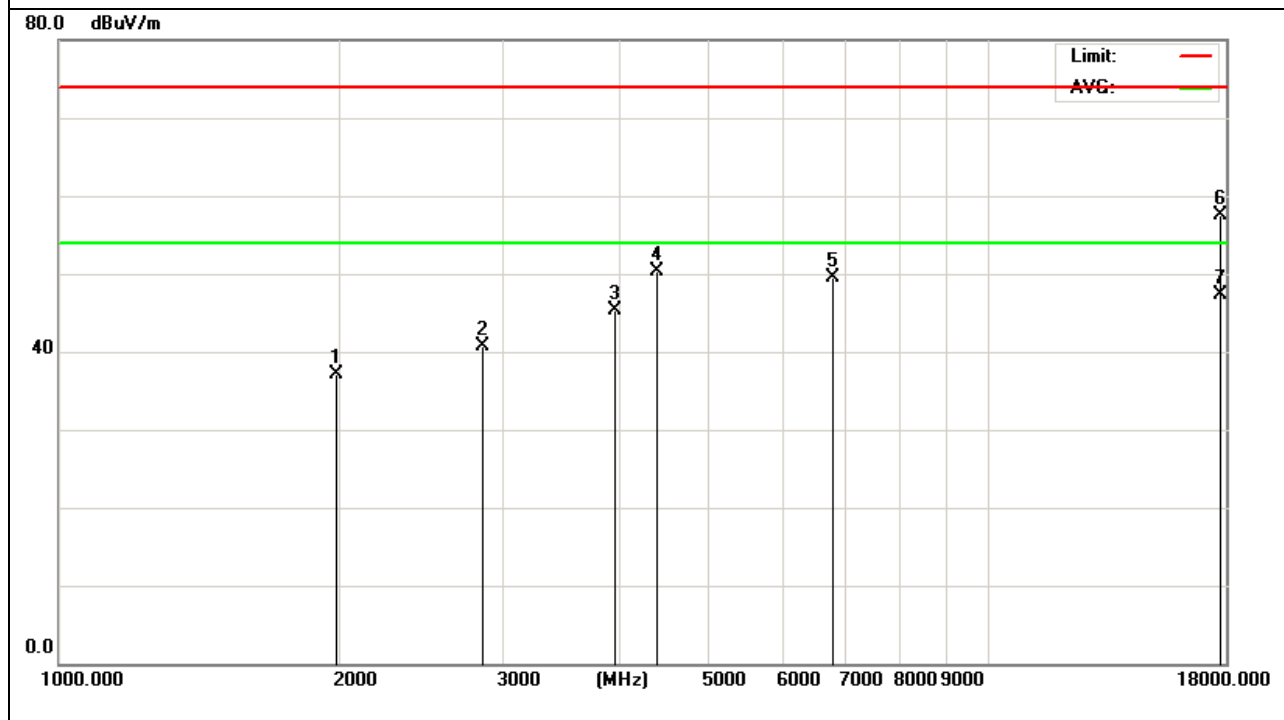
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(20)- Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1993.967	48.32	-9.13	39.19	74	-34.81	peak
2857.330	43.59	-2.60	40.99	74	-33.01	peak
3961.412	43.24	3.51	46.75	74	-27.25	peak
4392.171	47.18	4.50	51.68	74	-22.32	peak
6785.486	43.26	6.04	49.3	74	-24.7	peak
17740.896	34.86	24.87	59.73	74	-14.27	peak
17740.896	22.25	24.87	47.12	54	-6.88	AVG

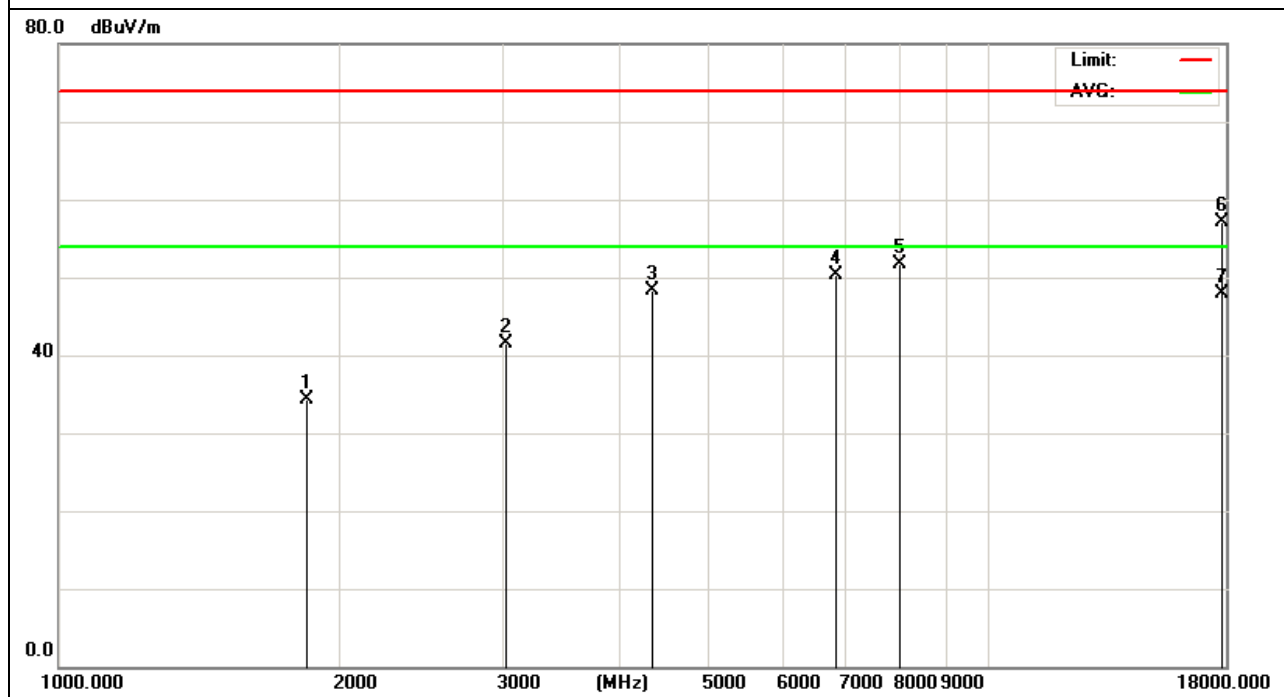
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(20)- Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1854.271	45.72	-9.43	36.29	74	-37.71	peak
3028.804	43.34	-1.62	41.72	74	-32.28	peak
4336.013	45.24	4.39	49.63	74	-24.37	peak
6860.575	45.81	6.09	51.9	74	-22.1	peak
8028.482	41.52	10.41	51.93	74	-22.07	peak
17792.384	34.40	24.83	59.23	74	-14.77	peak
17792.448	23.45	24.83	48.28	54	-5.72	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(20)- Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
18795.000	41.88	13.48	55.36	74	-18.64	peak
18795.000	30.49	13.48	43.97	54	-10.03	AVG

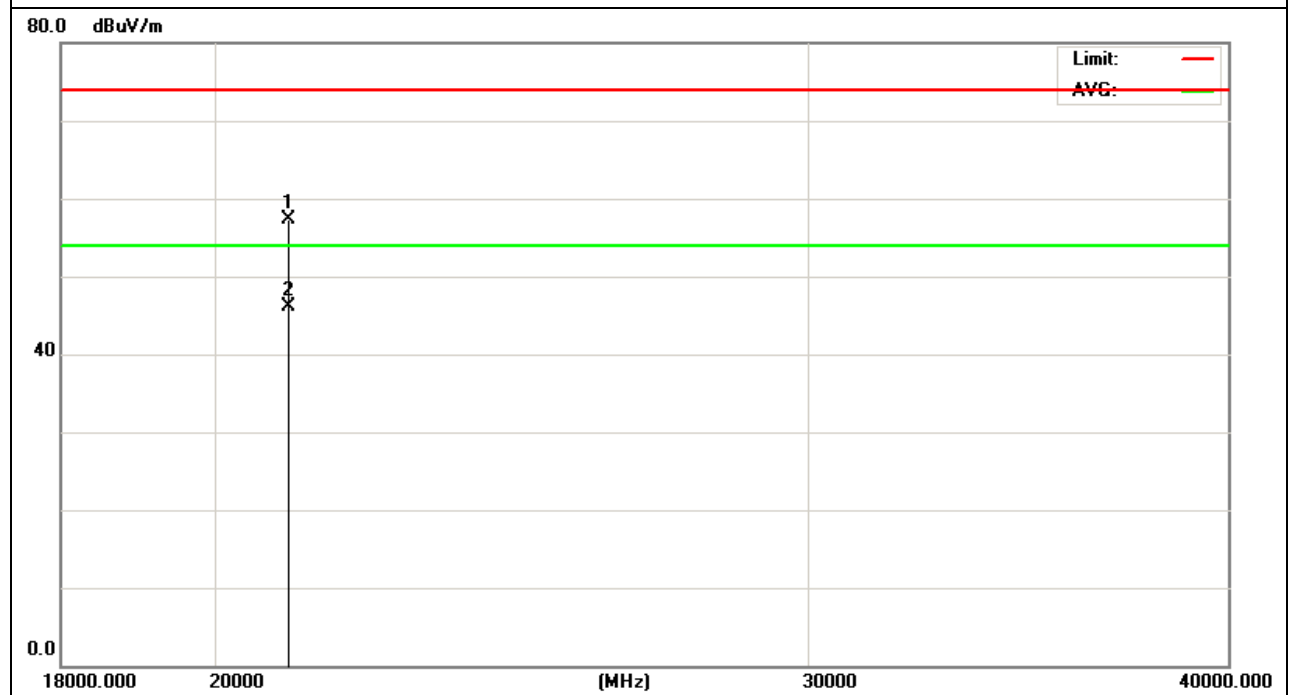
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(20)- Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
21025.000	40.62	16.79	57.41	74	-16.59	peak
21025.000	29.73	16.79	46.52	54	-7.48	AVG

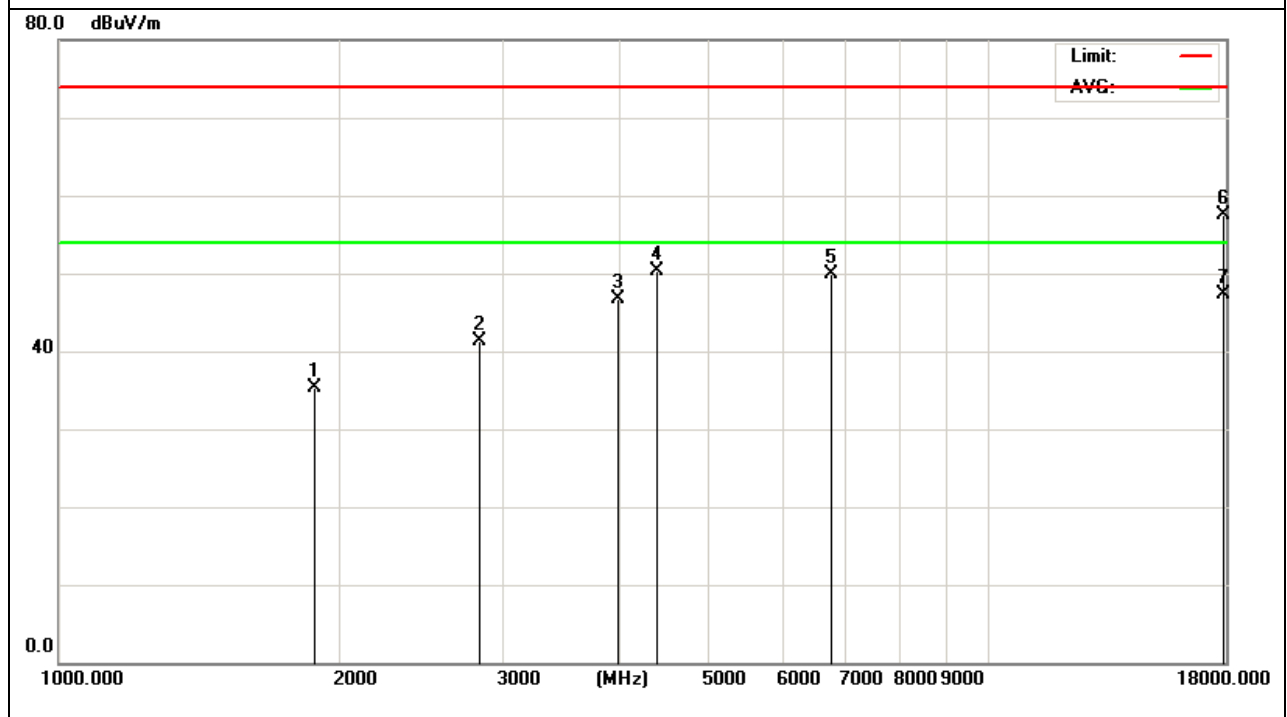
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(20)- Mid Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1887.172	46.77	-9.49	37.28	74	-36.72	peak
2840.385	44.11	-2.68	41.43	74	-32.57	peak
3996.013	44.32	3.76	48.08	74	-25.92	peak
4402.387	47.04	4.53	51.57	74	-22.43	peak
6768.422	43.71	6.03	49.74	74	-24.26	peak
17865.369	34.21	24.78	58.99	74	-15.01	peak
17865.369	22.10	24.78	46.88	54	-7.12	AVG

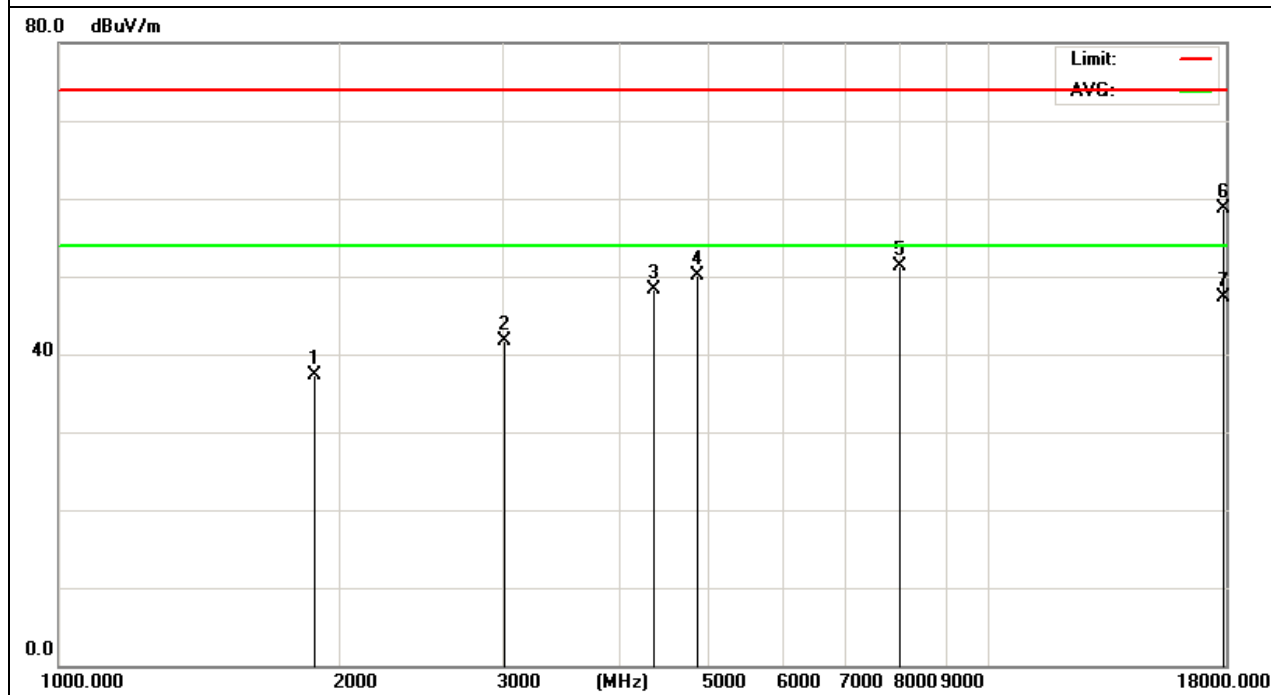
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(20)- Mid Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1886.677	48.38	-9.49	38.89	74	-35.11	peak
3013.985	43.61	-1.66	41.95	74	-32.05	peak
4366.847	45.16	4.46	49.62	74	-24.38	peak
4864.847	45.91	5.12	51.03	74	-22.97	peak
8037.893	41.26	10.42	51.68	74	-22.32	peak
17890.407	35.95	24.76	60.71	74	-13.29	peak
17890.407	22.51	24.76	47.27	54	-6.73	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(20)- Mid Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
19938.000	40.52	15.17	55.69	74	-18.31	peak
19938.000	29.27	15.17	44.44	54	-9.56	AVG

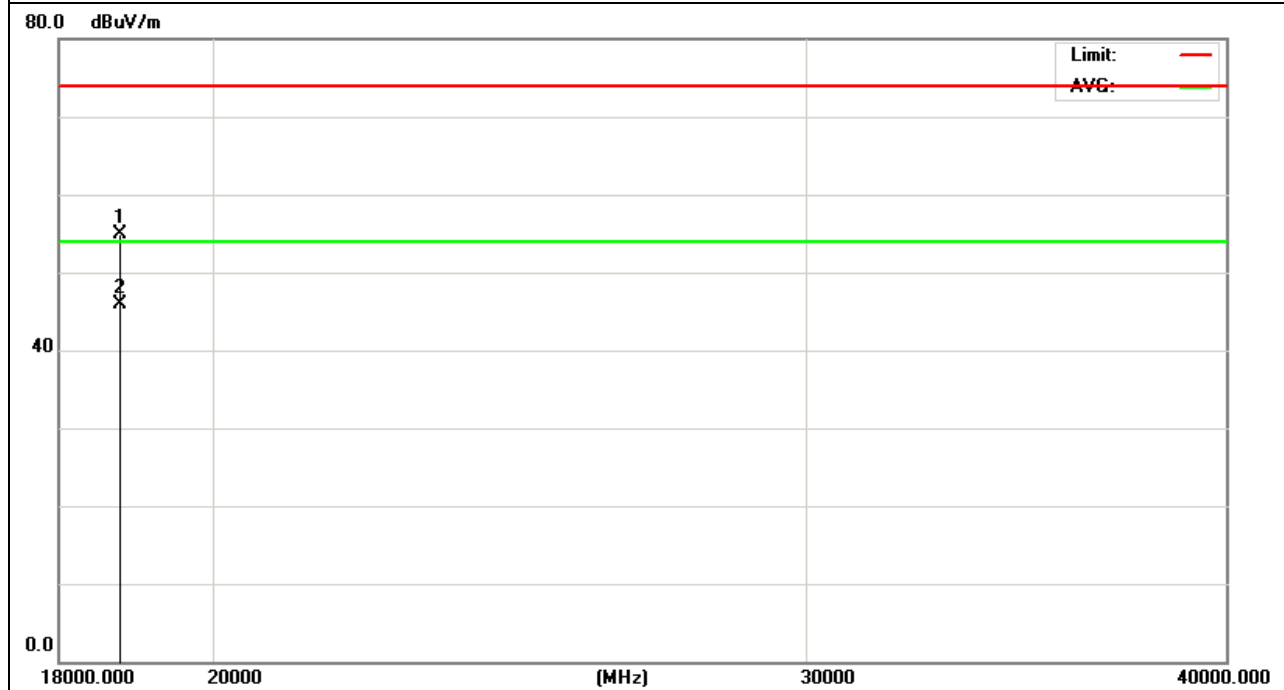
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(20)- Mid Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
18775.000	41.46	13.45	54.91	74.00	-19.09	peak
18775.000	32.42	13.45	45.87	54.00	-8.13	AVG

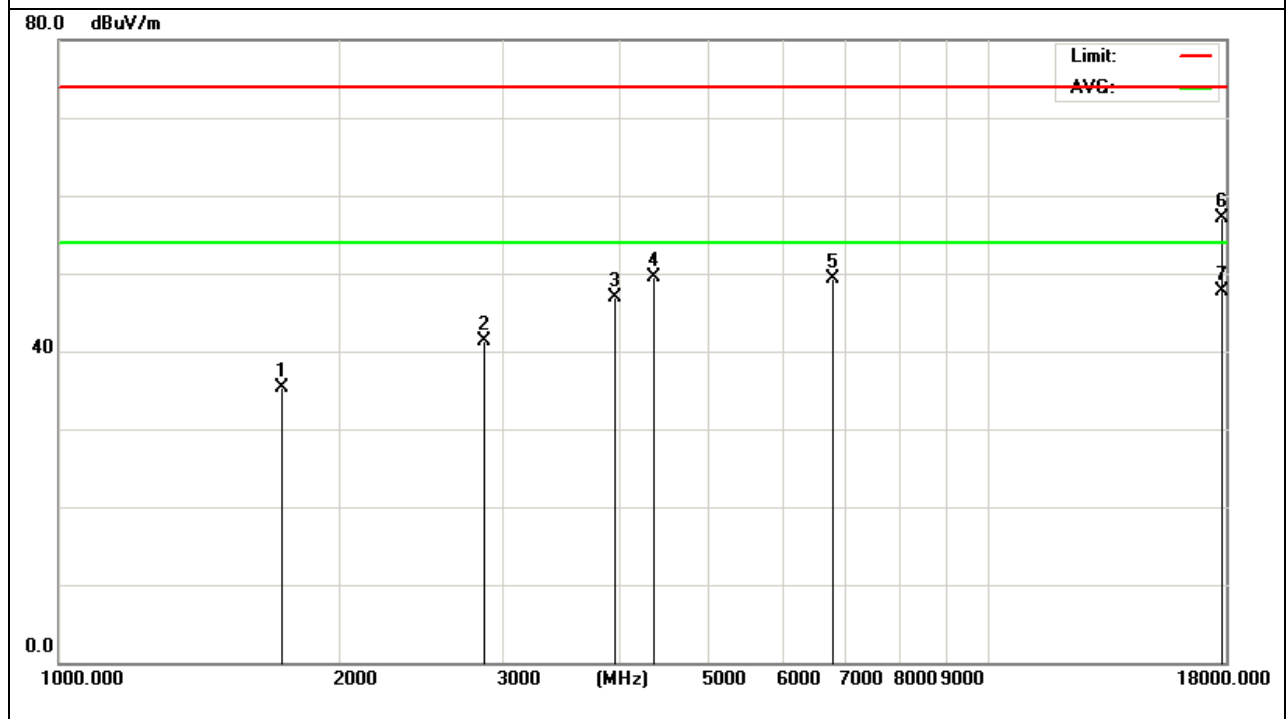
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(20)- High Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1742.243	45.91	-9.52	36.39	74	-37.61	peak
2861.057	44.08	-2.58	41.5	74	-32.5	peak
3972.527	43.72	3.60	47.32	74	-26.68	peak
4366.916	46.62	4.46	51.08	74	-22.92	peak
6785.911	43.17	6.04	49.21	74	-24.79	peak
17791.203	34.13	24.83	58.96	74	-15.04	peak
17791.203	22.78	24.83	47.61	54	-6.39	AVG

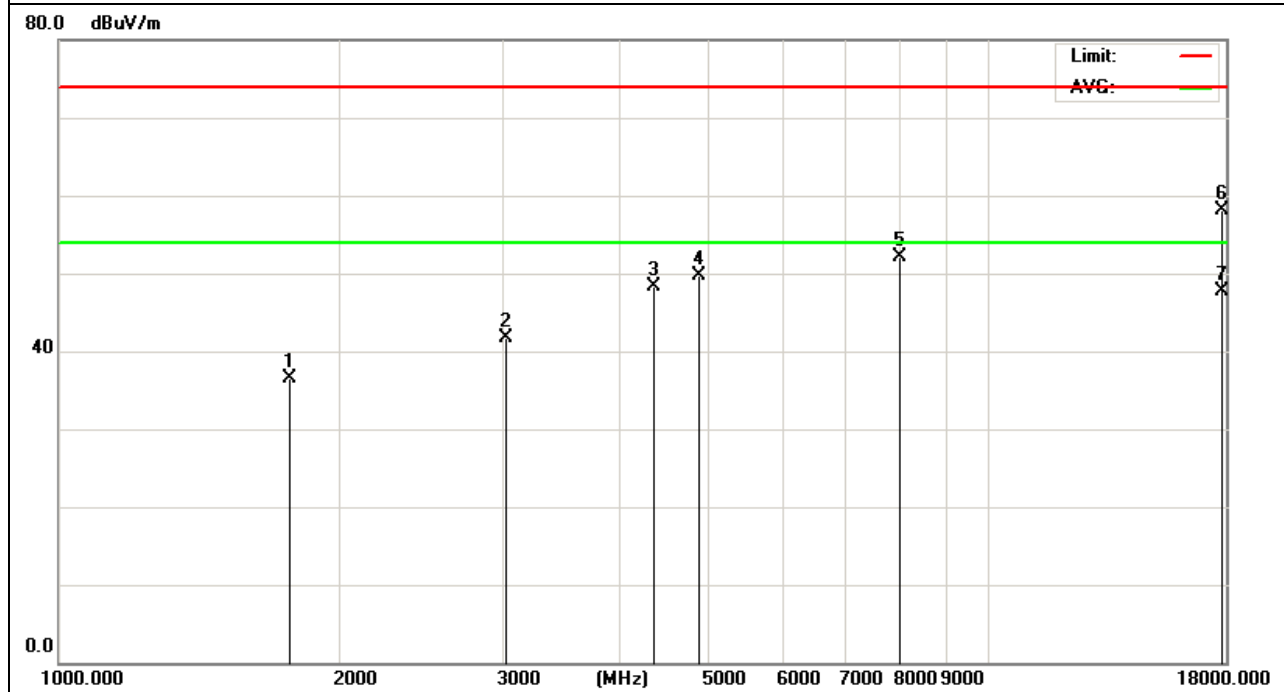
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(20)- High Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1775.709	47.60	-9.43	38.17	74	-35.83	peak
3025.858	43.64	-1.63	42.01	74	-31.99	peak
4364.249	44.41	4.45	48.86	74	-25.14	peak
4873.214	45.51	5.13	50.64	74	-23.36	peak
8039.396	41.27	10.43	51.7	74	-22.3	peak
17772.225	34.69	24.85	59.54	74	-14.46	peak
17772.225	23.04	24.85	47.89	54	-6.11	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(20)- High Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
20157.000	41.85	15.50	57.35	74	-16.65	peak
20157.000	28.43	15.50	43.93	54	-10.07	AVG

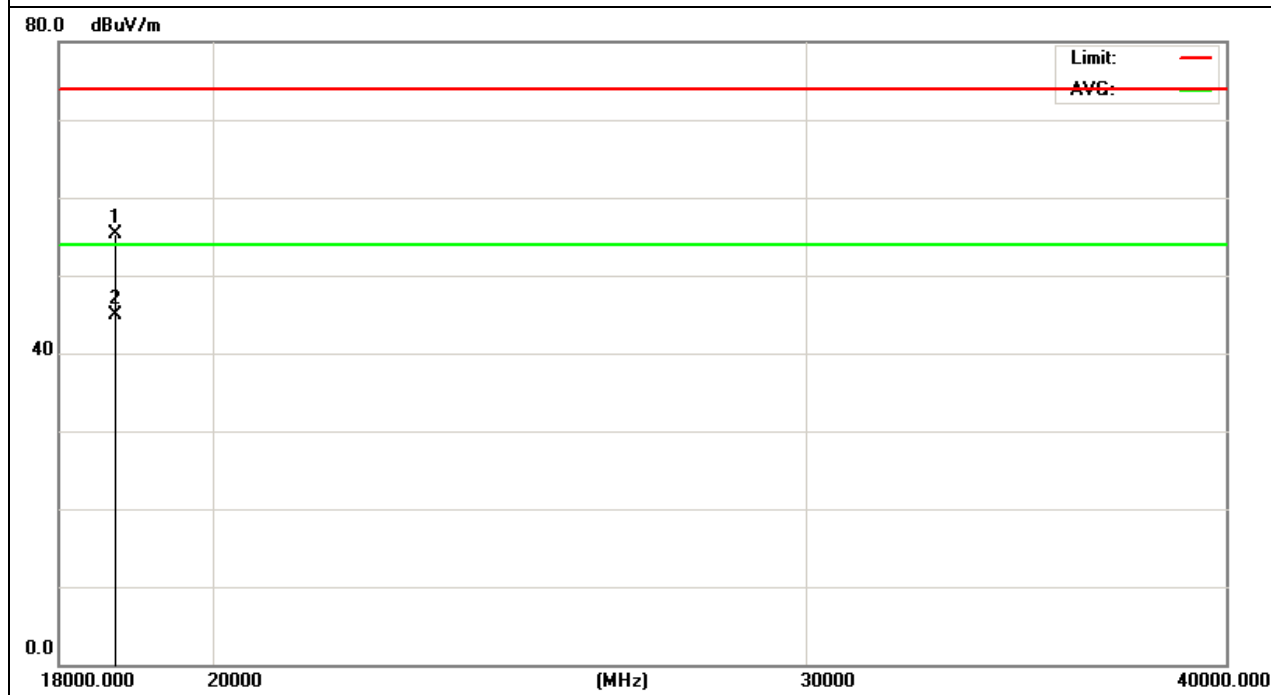
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(20)- High Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
18697.000	42.63	13.34	55.97	74	-18.03	peak
18697.000	31.28	13.34	44.62	54	-9.38	AVG

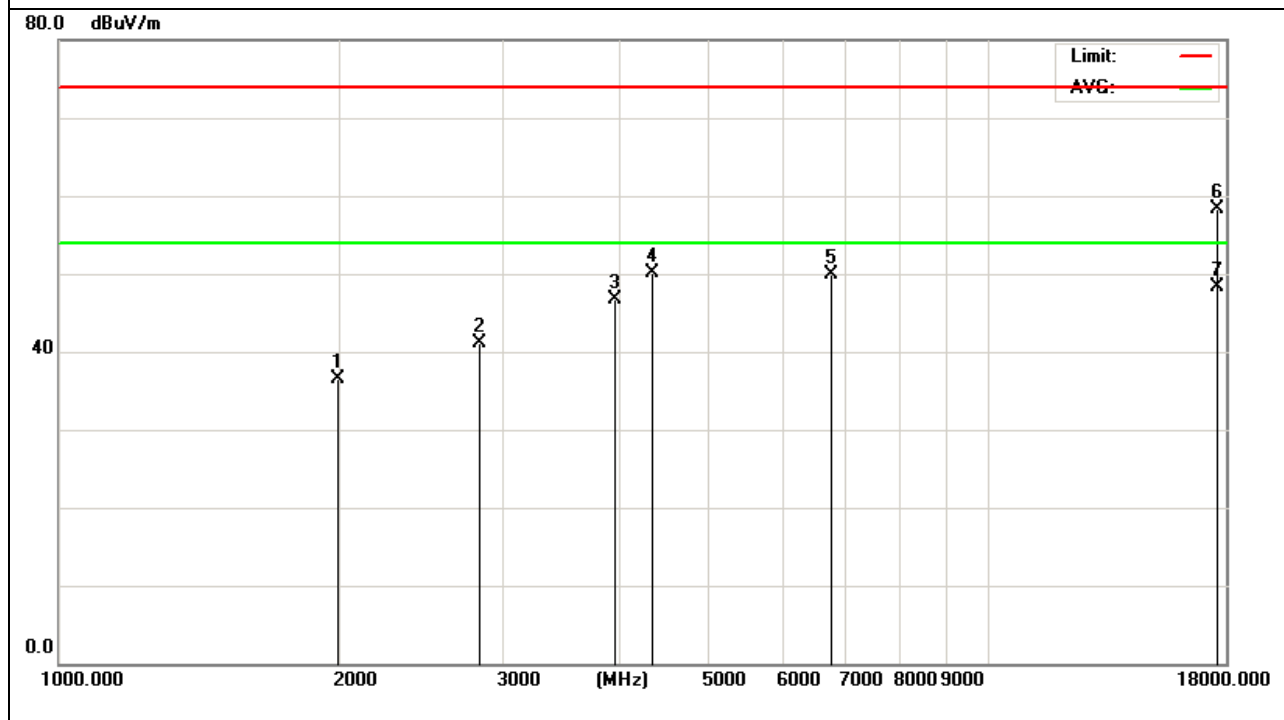
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(40)- Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
2001.514	46.81	-9.10	37.71	74	-36.29	peak
2843.929	43.77	-2.67	41.1	74	-32.9	peak
3958.497	44.28	3.49	47.77	74	-26.23	peak
4337.823	47.09	4.39	51.48	74	-22.52	peak
6780.404	43.81	6.04	49.85	74	-24.15	peak
17599.045	35.37	24.97	60.34	74	-13.66	peak
17599.045	23.72	24.97	48.69	54	-5.31	AVG

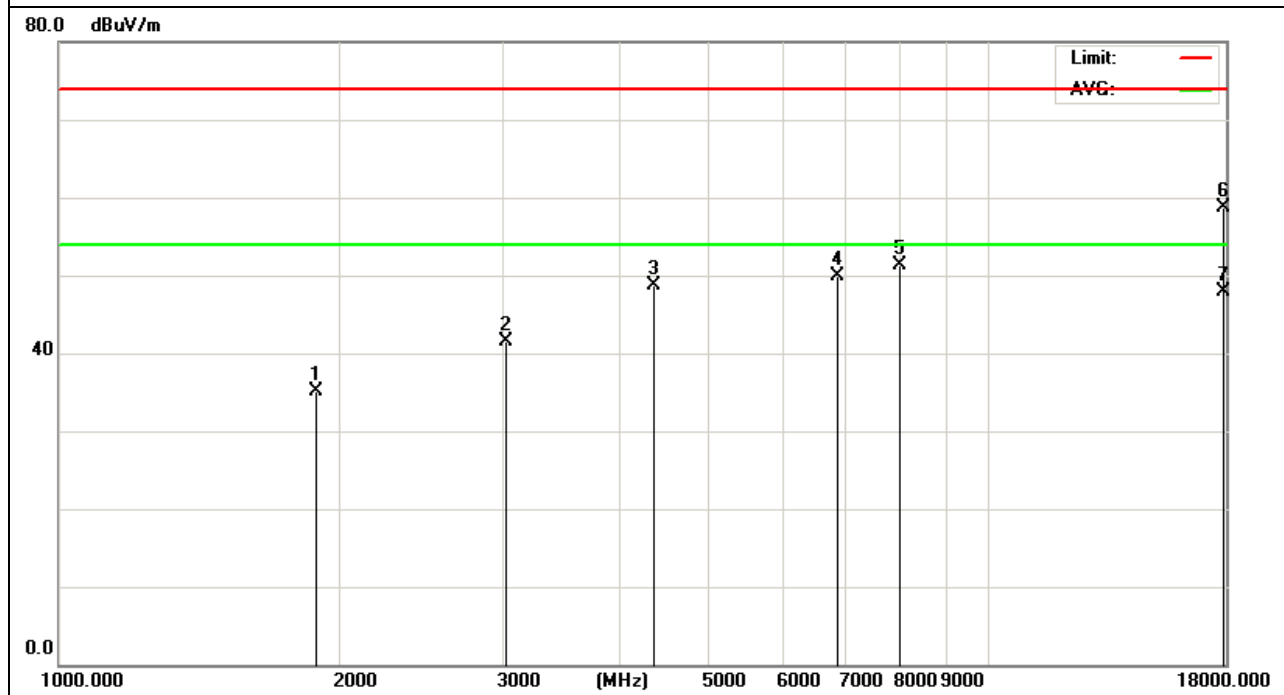
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(40)- Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1896.735	45.94	-9.51	36.43	74	-37.57	peak
3026.366	43.33	-1.63	41.7	74	-32.3	peak
4368.717	45.51	4.46	49.97	74	-24.03	peak
6860.923	45.51	6.08	51.59	74	-22.41	peak
8036.364	41.27	10.41	51.68	74	-22.32	peak
17891.698	36.04	24.76	60.8	74	-13.2	peak
17891.698	22.91	24.76	47.67	54	-6.33	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(40)- Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
20653.000	40.75	16.23	56.98	74	-17.02	peak
20653.000	29.38	16.23	45.61	54	-8.39	AVG

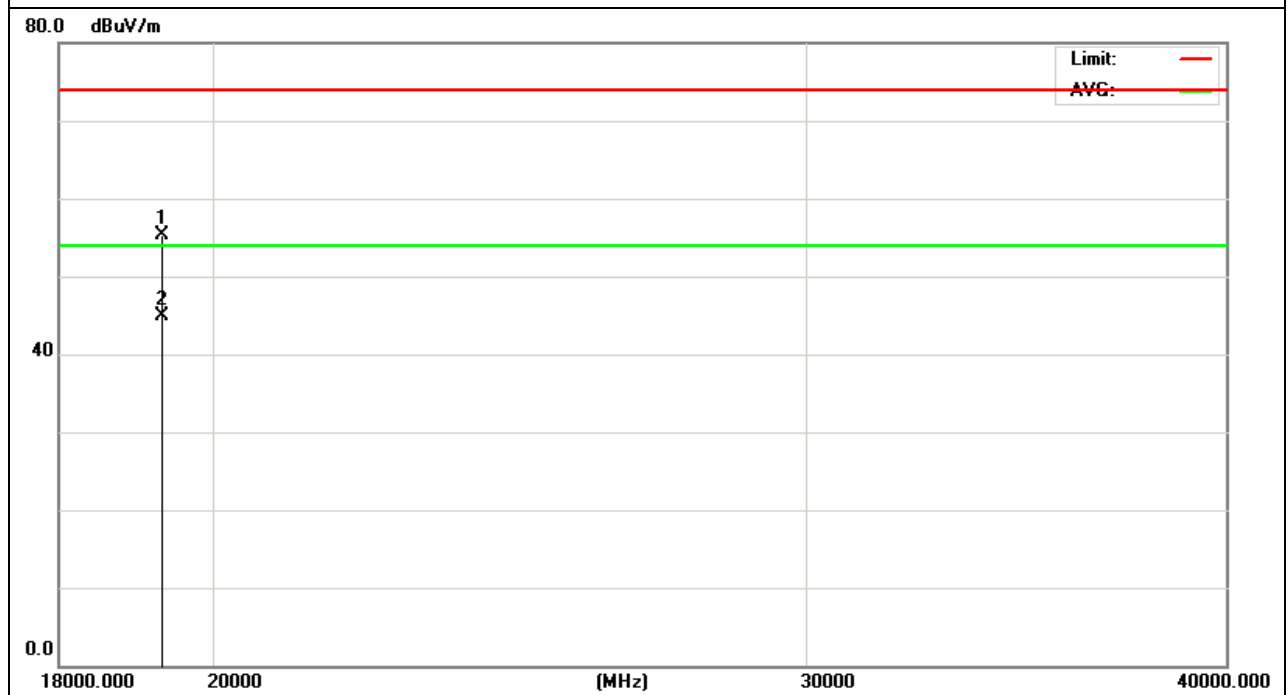
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(40)- Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
19324.000	41.63	14.26	55.89	74	-18.11	peak
19324.000	30.28	14.26	44.54	54	-9.46	AVG

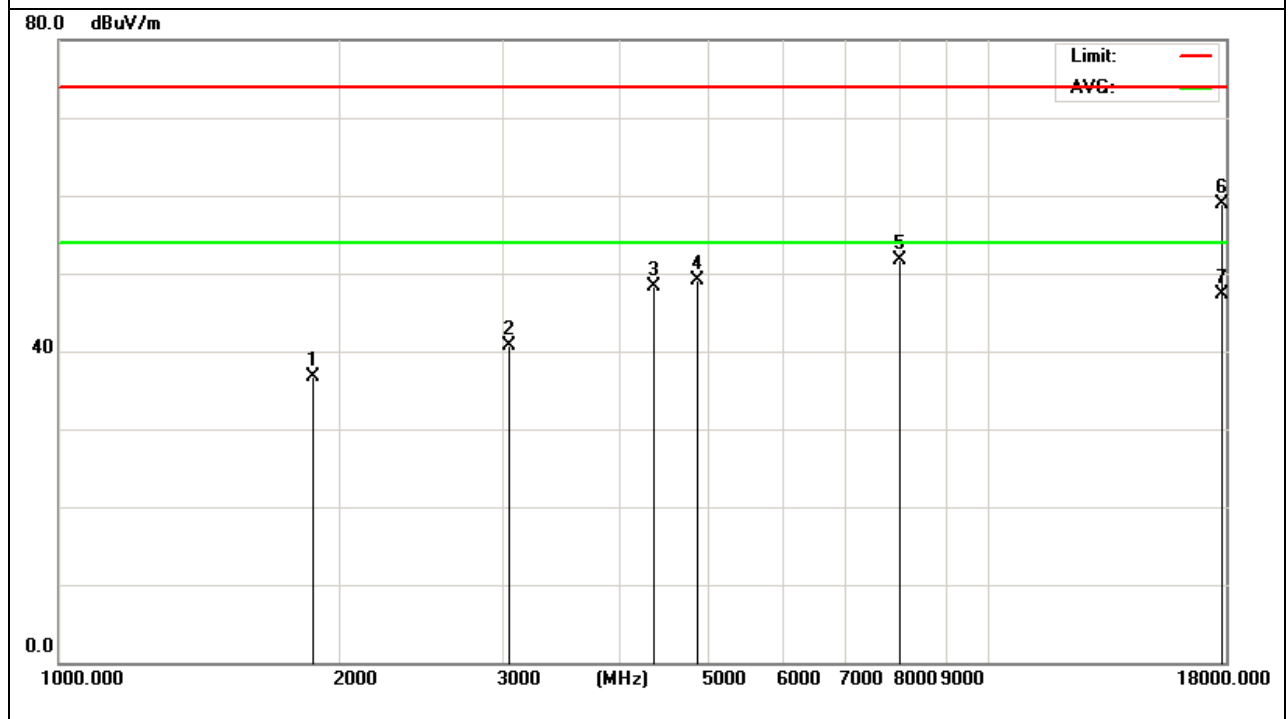
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(40)- High Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1878.983	47.61	-9.47	38.14	74	-35.86	peak
3049.800	42.58	-1.57	41.01	74	-32.99	peak
4361.263	44.86	4.45	49.31	74	-24.69	peak
4863.943	45.54	5.11	50.65	74	-23.35	peak
8031.080	41.26	10.41	51.67	74	-22.33	peak
17771.344	35.61	24.84	60.45	74	-13.55	peak
17771.344	22.26	24.84	47.10	54	-6.90	AVG

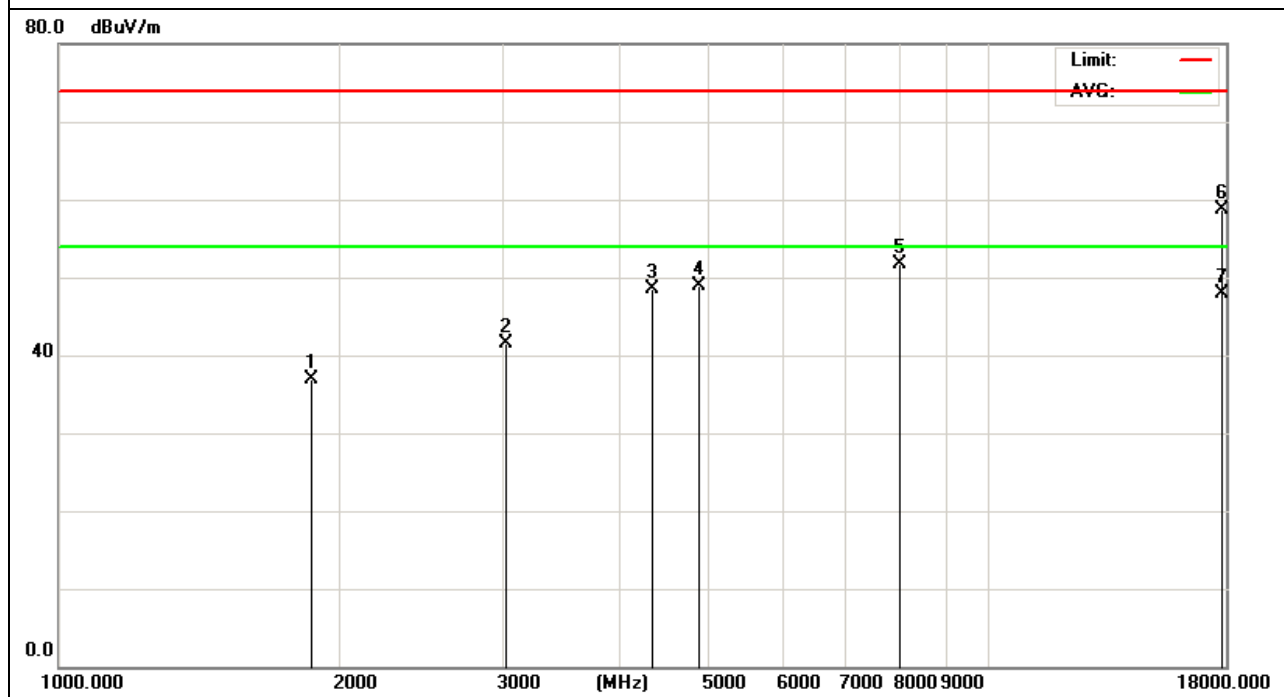
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(40)- High Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1871.112	48.29	-9.45	38.84	74	-35.16	peak
3024.996	43.27	-1.63	41.64	74	-32.36	peak
4355.624	44.54	4.43	48.97	74	-25.03	peak
4868.565	44.69	5.12	49.81	74	-24.19	peak
8035.299	41.52	10.41	51.93	74	-22.07	peak
17805.766	36.17	24.82	60.99	74	-13.01	peak
17805.766	22.70	24.82	47.52	54	-6.48	AVG

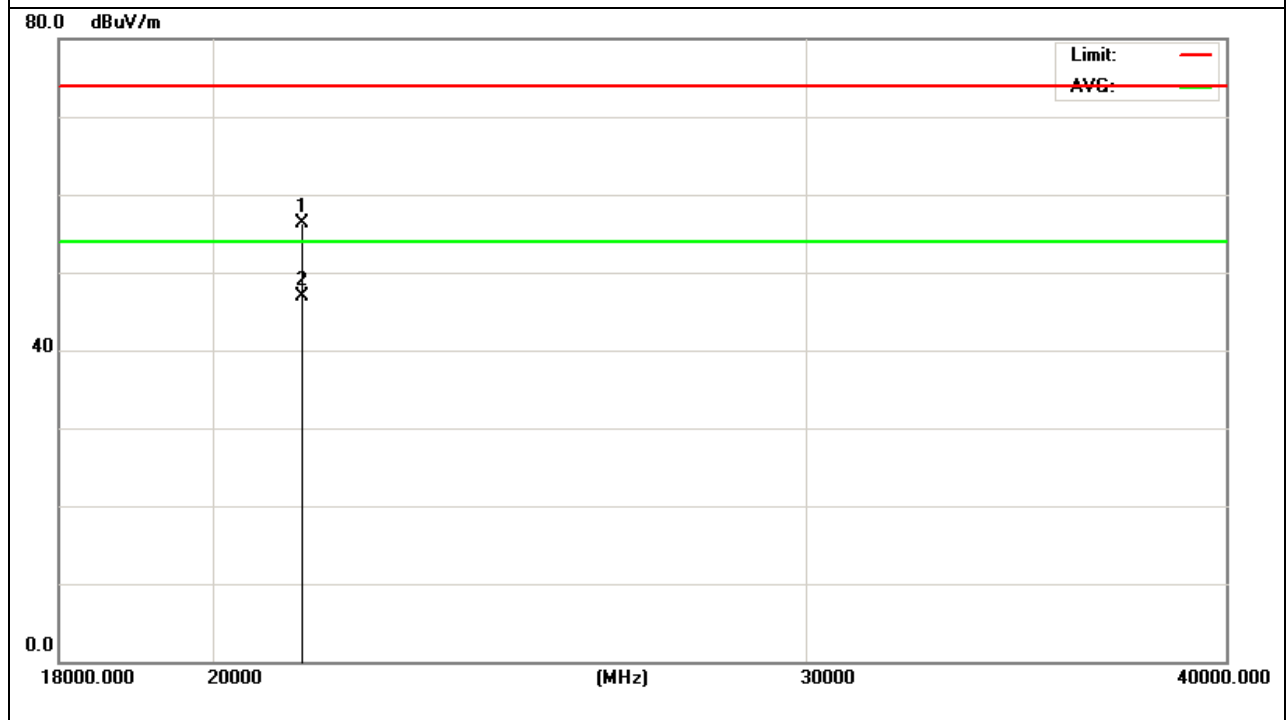
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(40)- High Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
21256.000	39.84	17.14	56.98	74	-17.02	peak
21256.000	29.56	17.14	46.70	54	-7.30	AVG

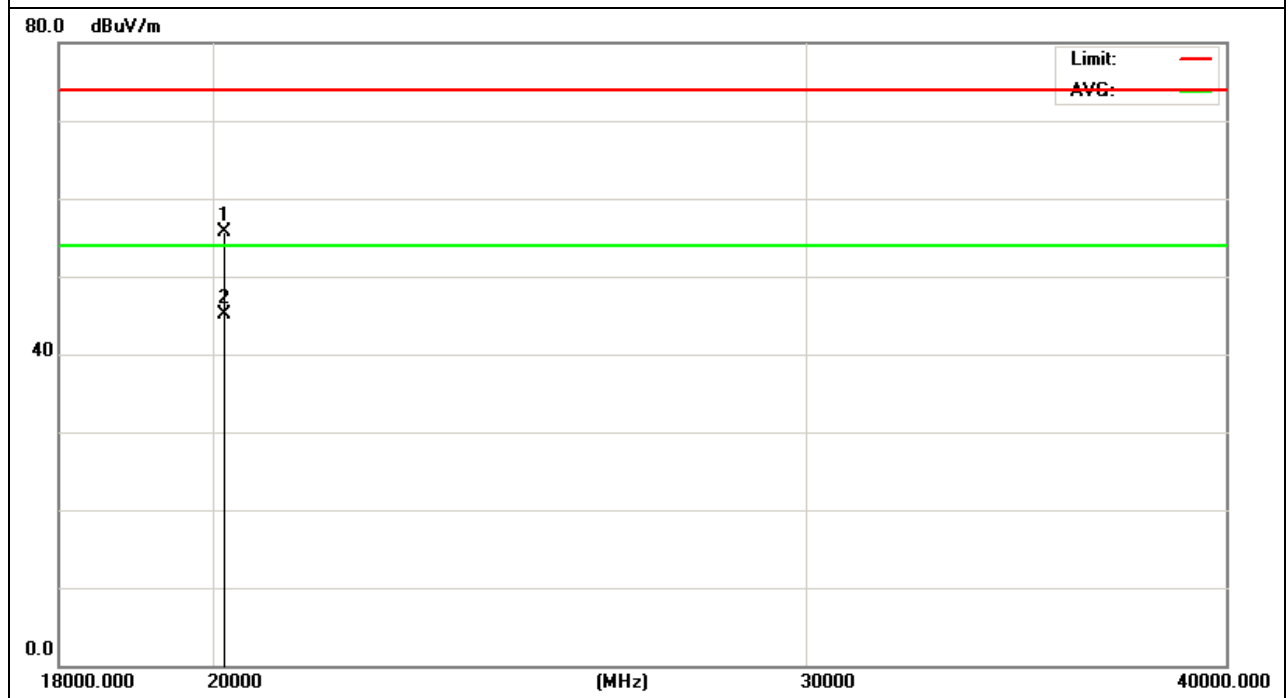
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(40)- High Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
20146.000	40.84	15.49	56.33	74	-17.67	peak
20146.000	29.65	15.49	45.14	54	-8.86	AVG

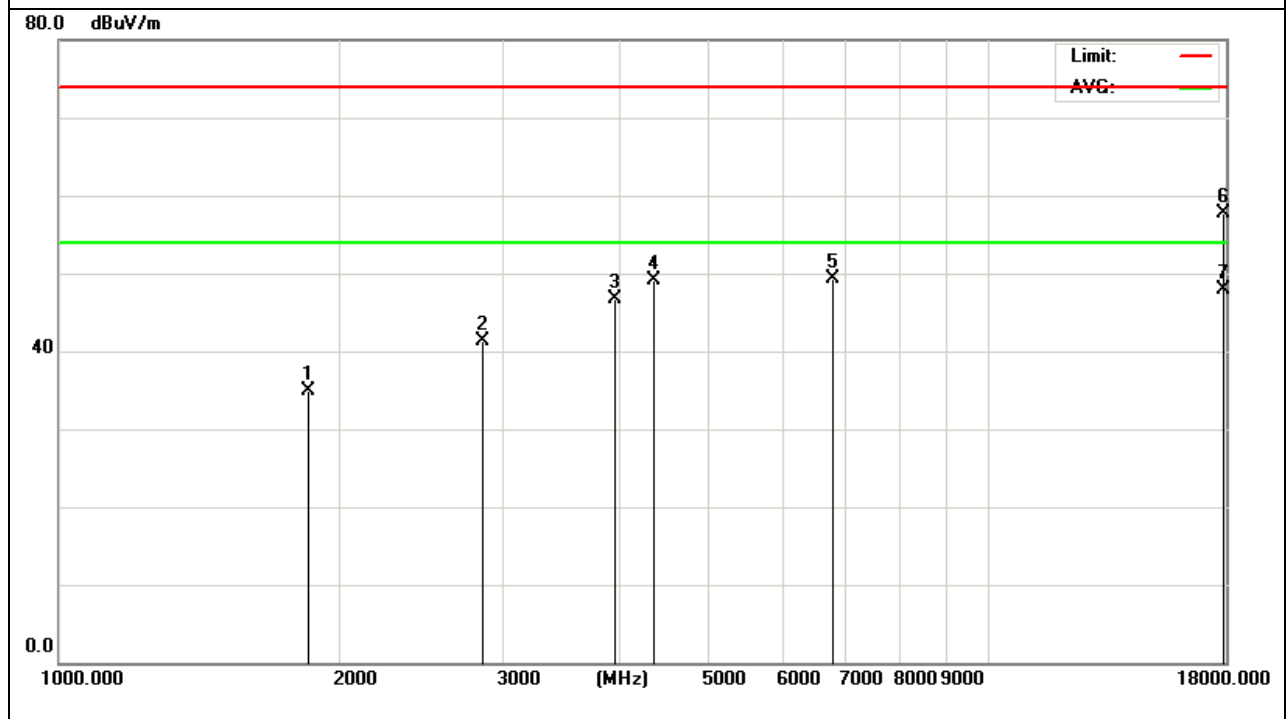
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11ac(80)-Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1857.901	46.11	-9.44	36.67	74	-37.33	peak
2857.149	43.53	-2.60	40.93	74	-33.07	peak
3961.548	44.22	3.51	47.73	74	-26.27	peak
4366.721	45.38	4.45	49.83	74	-24.17	peak
6800.968	43.39	6.04	49.43	74	-24.57	peak
17886.541	34.89	24.76	59.65	74	-14.35	peak
17886.541	23.39	24.76	48.15	54	-5.85	AVG

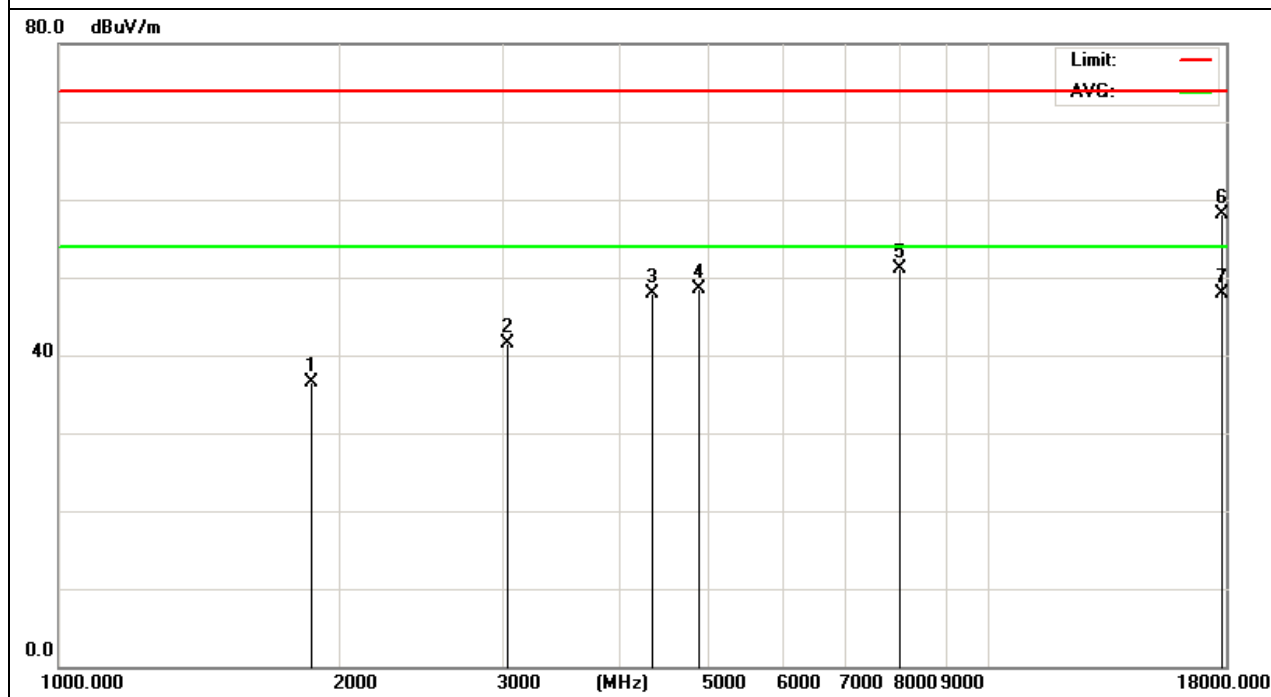
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11ac(80)-Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1872.810	46.99	-9.46	37.53	74	-36.47	peak
3034.719	42.62	-1.59	41.03	74	-32.97	peak
4354.382	43.70	4.43	48.13	74	-25.87	peak
4865.743	43.92	5.13	49.05	74	-24.95	peak
8017.144	40.44	10.40	50.84	74	-23.16	peak
17776.407	33.53	24.84	58.37	74	-15.63	peak
17776.407	24.29	24.84	49.13	54	-4.87	AVG

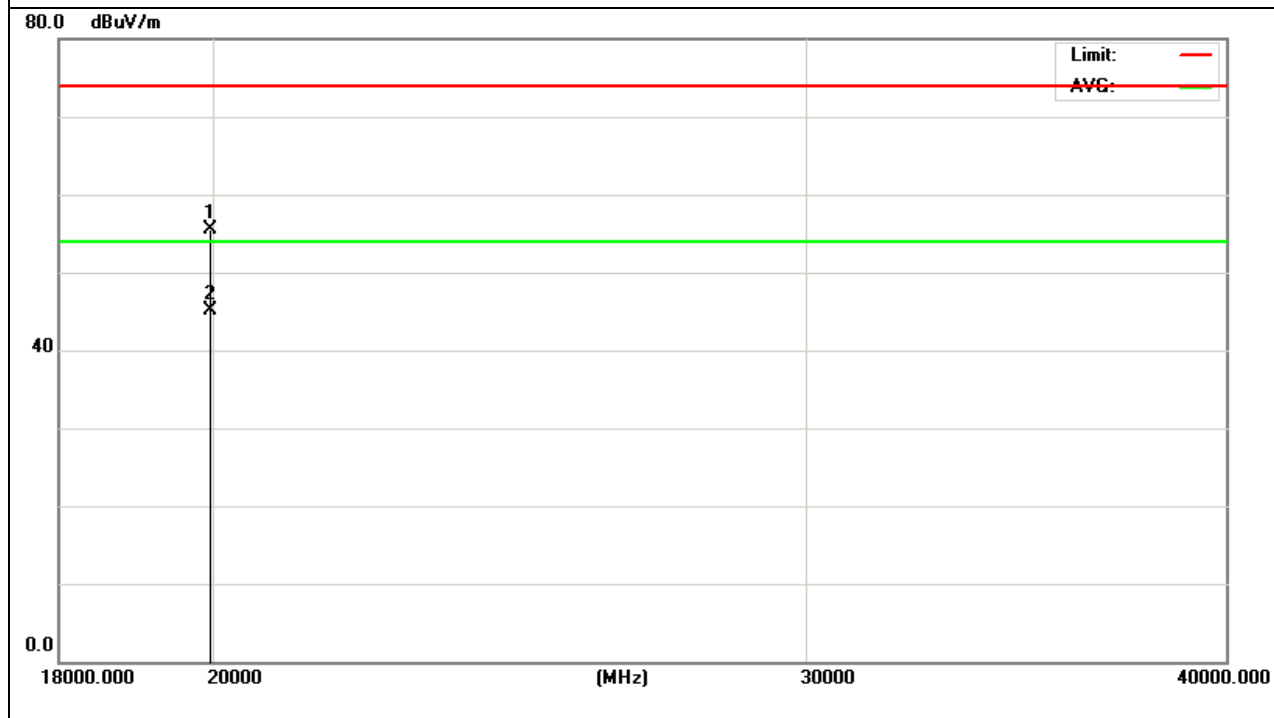
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11ac(80)-Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
19967.000	40.84	15.22	56.06	74	-17.94	peak
19967.000	29.73	15.22	44.95	54	-9.05	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name. :	SP1e
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11ac(80)-Low Channel	Test Voltage :	DC7.4V from battery
Test Date :	2021-07-12		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
21743.000	39.51	17.85	57.36	74	-16.64	peak
21743.000	29.68	17.85	47.53	54	-6.47	AVG

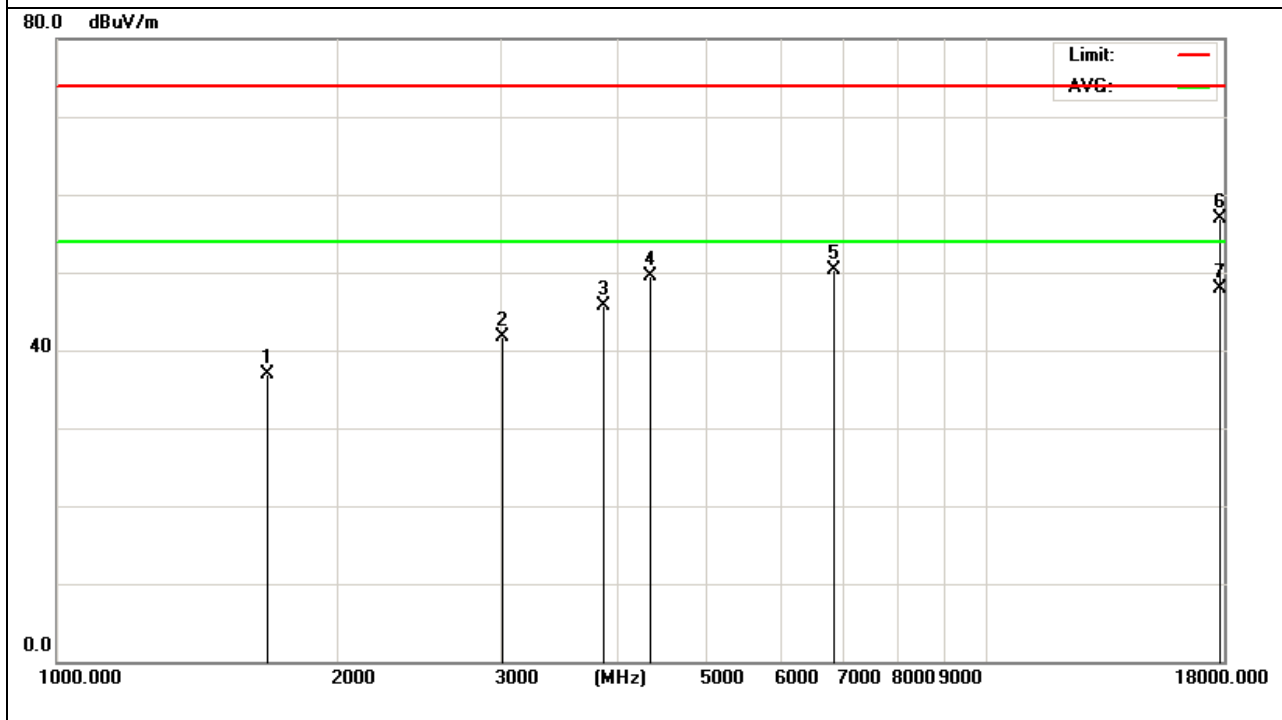
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name :	SP1e
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-04-23
Test Mode :	RX	Polarization :	Horizontal
Measurement Distance	3 m	Frequency Range	1GHz to 40GHz
Test Voltage :	DC7.4V from battery		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1686.576	47.50	-9.68	37.82	74	-36.18	peak
3010.851	43.01	-1.65	41.36	74	-32.64	peak
3872.256	43.48	2.89	46.37	74	-27.63	peak
4336.295	45.88	4.4	50.28	74	-23.72	peak
6845.421	44.65	6.08	50.73	74	-23.27	peak
17782.676	32.71	24.84	57.55	74	-16.45	peak
17782.676	23.57	24.84	48.41	54	-5.59	AVG

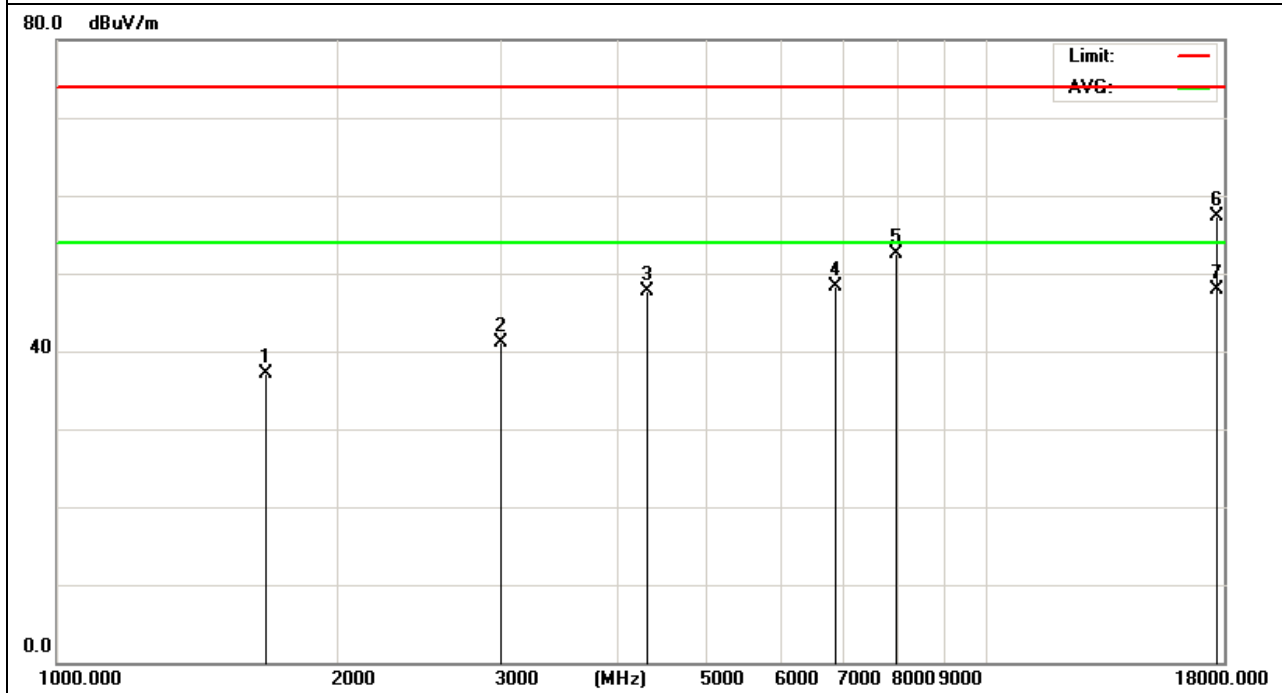
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name :	SP1e
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-04-23
Test Mode :	RX	Polarization :	Vertical
Measurement Distance	3 m	Frequency Range	1GHz to 40GHz
Test Voltage :	DC7.4V from battery		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1676.820	47.57	-9.70	37.87	74	-36.13	peak
2997.241	42.48	-1.69	40.79	74	-33.21	peak
4316.172	43.74	4.36	48.1	74	-25.9	peak
6857.850	43.42	6.08	49.5	74	-24.5	peak
7978.687	42.00	10.30	52.3	74	-21.7	peak
17666.375	32.72	24.92	57.64	74	-16.36	peak
17666.375	24.02	24.92	48.94	54	-5.06	AVG

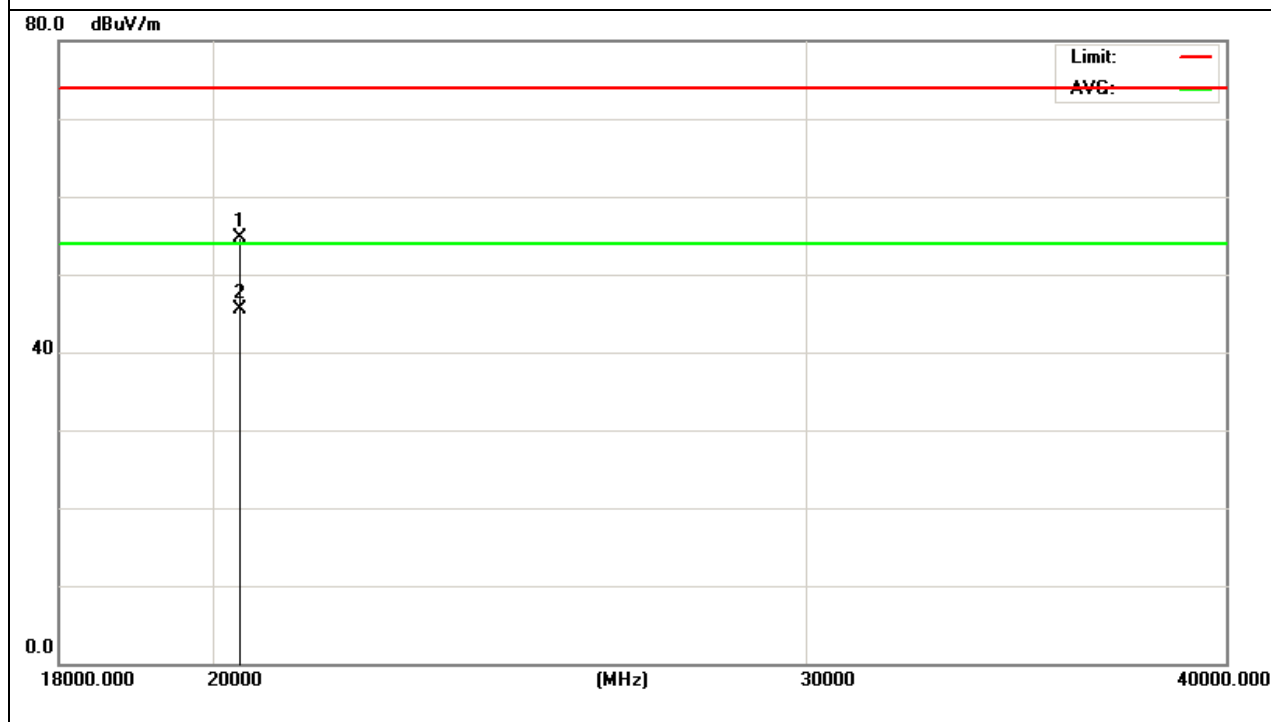
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name :	SP1e
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-04-23
Test Mode :	RX	Polarization :	Horizontal
Measurement Distance	3 m	Frequency Range	1GHz to 40GHz
Test Power :	DC7.4V from battery		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
20365.000	38.99	15.80	54.79	74	-19.21	peak
20365.000	29.64	15.80	45.44	54	-8.56	AVG

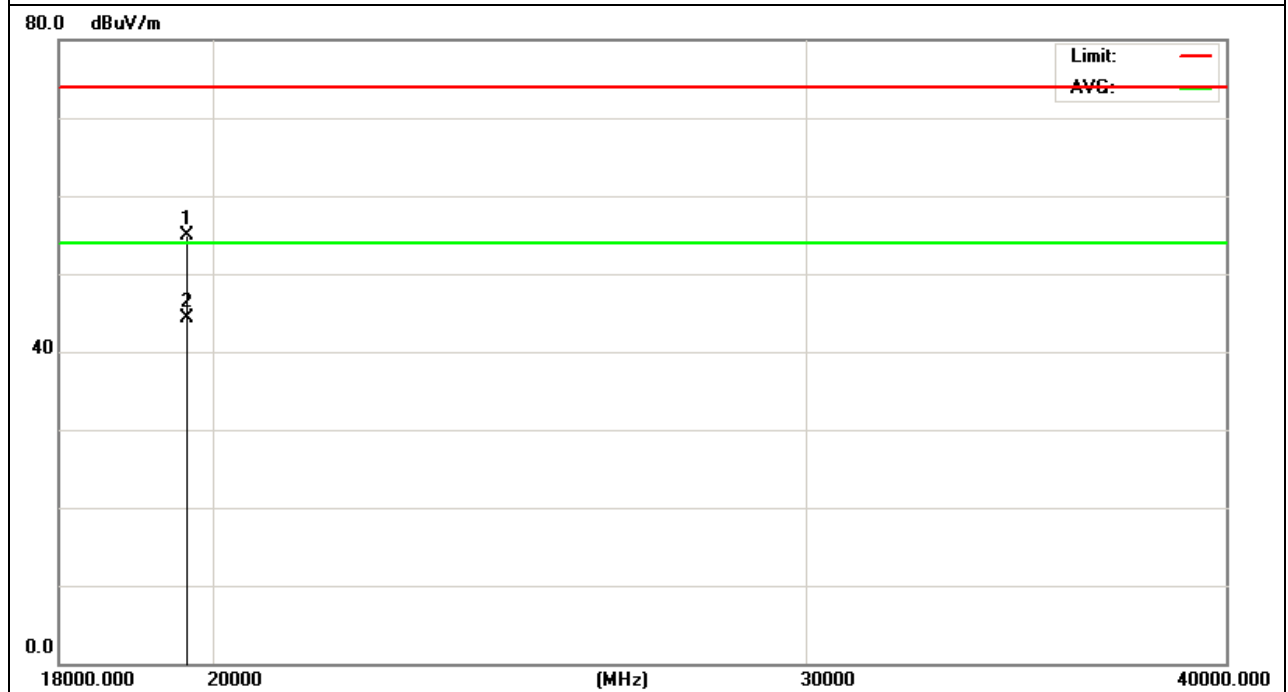
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name :	SP1e
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-04-23
Test Mode :	RX	Polarization :	Vertical
Measurement Distance	3 m	Frequency Range	1GHz to 40GHz
Test Power :	DC7.4V from battery		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
19642.000	40.63	14.74	55.37	74	-18.63	peak
19642.000	29.82	14.74	44.56	54	-9.44	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.

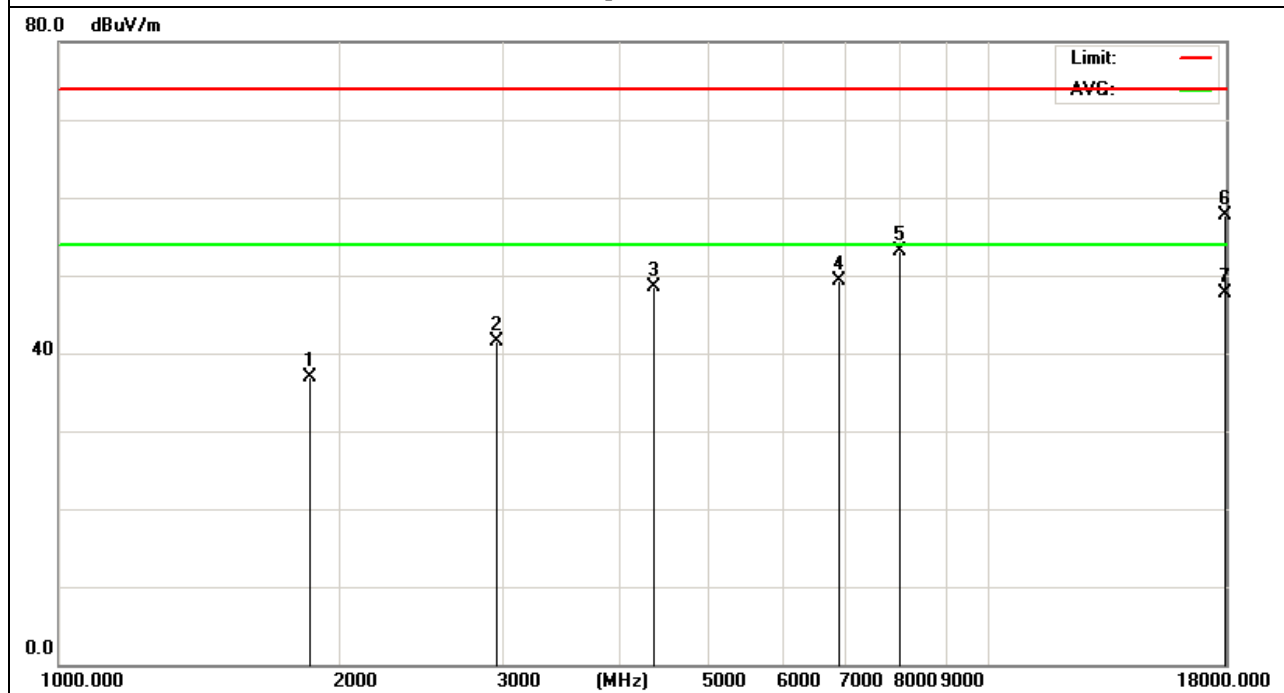


EUT :	智慧投影機	Model Name :	SP1e
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-04-23
Test Mode :	mode 5	Polarization :	Horizontal
Measurement Distance	3 m	Frequency Range	1GHz to 40GHz
Test Power :	DC12V from Adapter		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1864.251	46.12	-9.45	36.67	74.00	-37.33	peak
2949.256	43.55	-2.04	41.51	74.00	-32.49	peak
4351.752	44.61	4.45	49.06	74.00	-24.94	peak
6900.771	43.31	6.12	49.43	74.00	-24.57	peak
8000.662	43.22	10.40	53.62	74.00	-20.38	peak
17982.123	33.69	24.75	58.44	74.00	-15.56	peak
17982.123	23.07	24.75	47.82	54.00	-6.18	AVG

Remark:

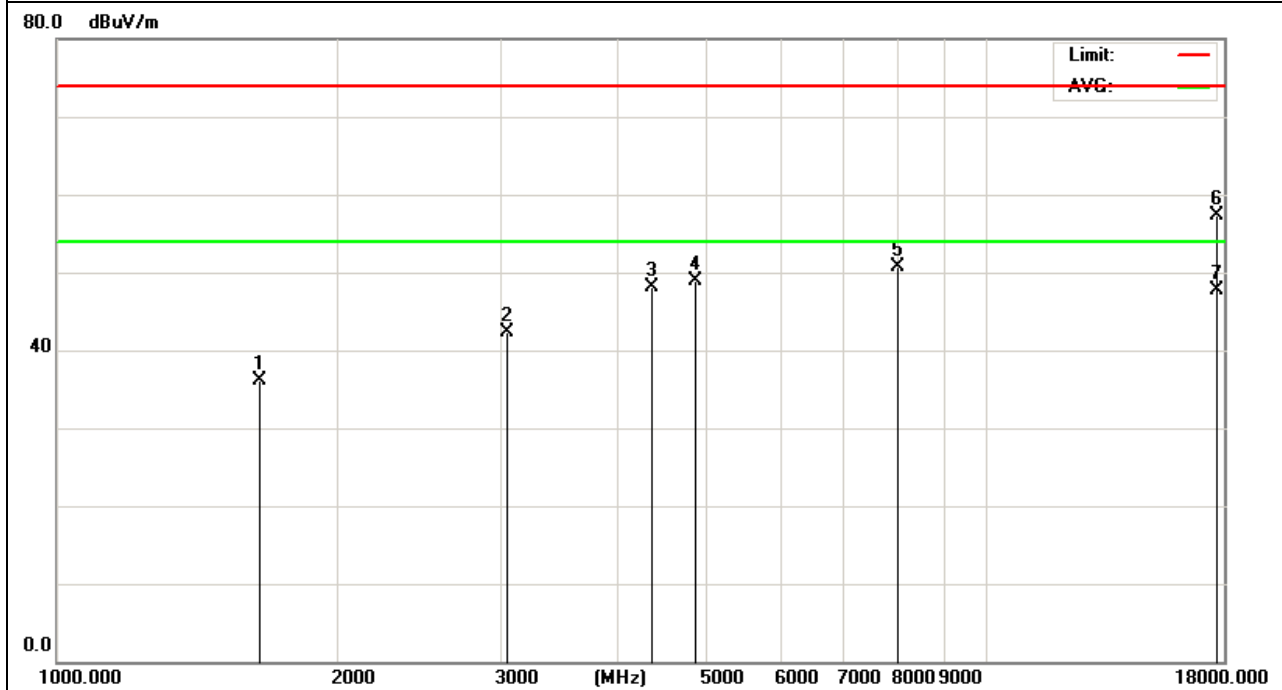
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name :	SP1e
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-04-23
Test Mode :	mode 5	Polarization :	Vertical
Measurement Distance	3 m	Frequency Range	1GHz to 40GHz
Test Power :	DC12V from Adapter		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1649.398	45.93	-9.77	36.16	74.00	-37.84	peak
3045.574	43.88	-1.57	42.31	74.00	-31.69	peak
4355.169	43.75	4.45	48.20	74.00	-25.80	peak
4855.284	43.74	5.11	48.85	74.00	-25.15	peak
8018.746	40.32	10.40	50.72	74.00	-23.28	peak
17650.284	32.33	24.93	57.26	74.00	-16.74	peak
17650.284	22.84	24.93	47.77	54.00	-6.23	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name :	SP1e
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-04-23
Test Mode :	mode 5	Polarization :	Horizontal
Measurement Distance	3 m	Frequency Range	1GHz to 40GHz
Test Power :	DC12V from Adapter		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
19684.000	40.46	14.80	55.26	74.00	-18.74	peak
19684.000	30.78	14.80	45.58	54.00	-8.42	AVG

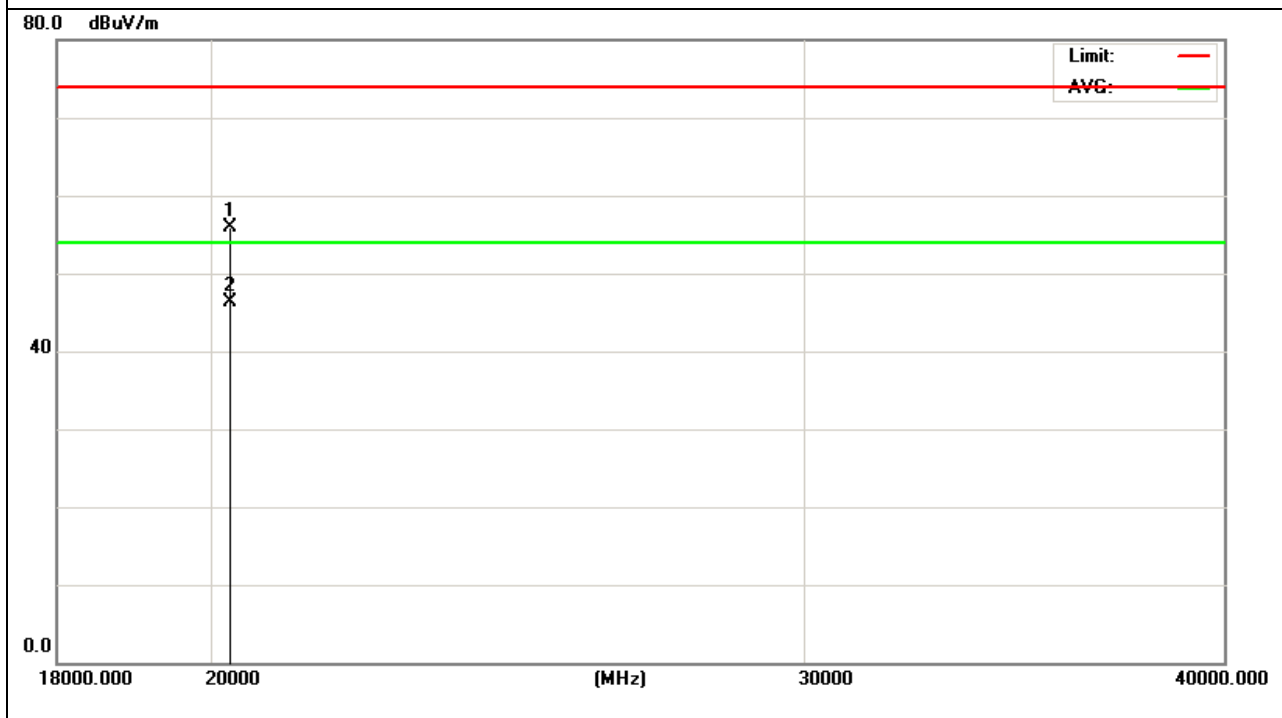
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	智慧投影機	Model Name :	SP1e
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2018-04-23
Test Mode :	mode 5	Polarization :	Vertical
Measurement Distance	3 m	Frequency Range	1GHz to 40GHz
Test Power :	DC12V from Adapter		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
20254.000	40.31	15.64	55.95	74.00	-18.05	peak
20254.000	30.58	15.64	46.22	54.00	-7.78	AVG

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



Note: 10~25GHz any other emissions at least have 20dB margin. No recording in the test report

TEST RESULTS (Restricted Bands Requirements)

Because the mentioned conditions the Fundamental Frequency Range was far away from the restricted bands in the table published in 15.205, the test is not applicable.

4 . OCCUPIED BANDWIDTH TEST

4.1 Applied procedures / limit

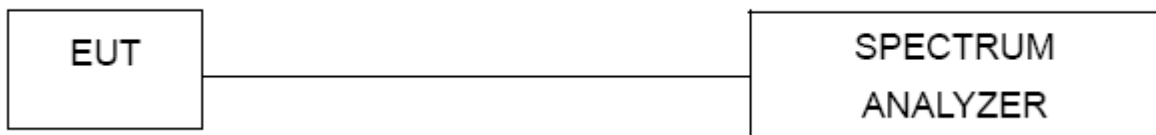
LP0002				
Section	Test Item	Limit	Frequency Range (MHz)	Result
4.7.5	Bandwidth	$\geq 500\text{kHz}$ (6dB bandwidth)	5725-5825	PASS

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	$>$ Measurement Bandwidth or Channel Separation
RB	100 kHz
VB	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

4.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting : RBW= 100kHz, VBW=300kHz, Sweep time = Auto.

4.3 TEST SETUP



4.4 EUT OPERATION CONDITIONS

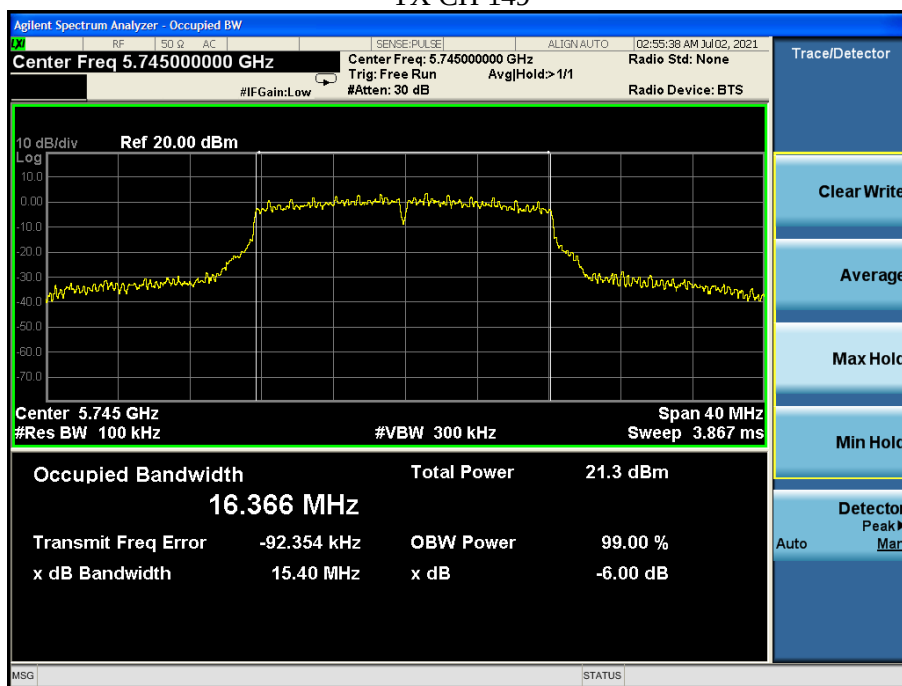
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

ANT 1(2) Represent the value of antenna 1 and 2,The worst data is 1 Antenna a ,only shown Antenna 1 Plot

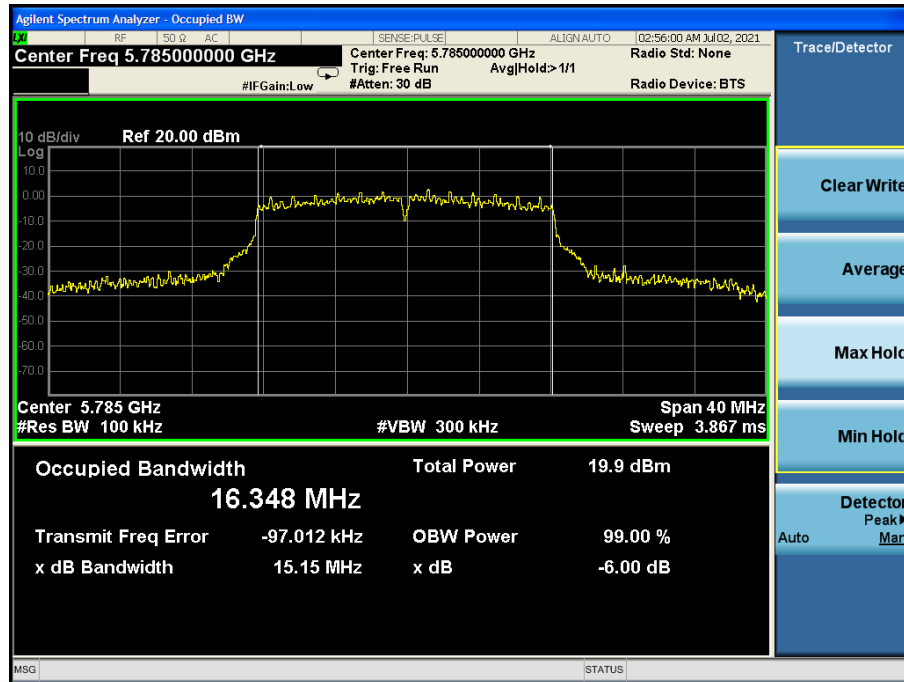
EUT：	智慧投影機	Model Name：	SP1e
Temperature：	25 °C	Relative Humidity：	56%
Pressure：	1010 hPa	Test Power：	DC7.4V from battery
Test Mode：	TX a Mode(5G) /CH149, CH157, CH165		
Test Date：	2021-07-02		

Test Channel	Frequency	6dB Bandwidth (MHz) Antenna 1	6dB Bandwidth (MHz) Antenna 2	Limit (kHz)	Result
CH 149	5745	15.40	15.11	≥ 500	Pass
CH 157	5785	15.15	15.03	≥ 500	Pass
CH 165	5825	15.74	15.22	≥ 500	Pass

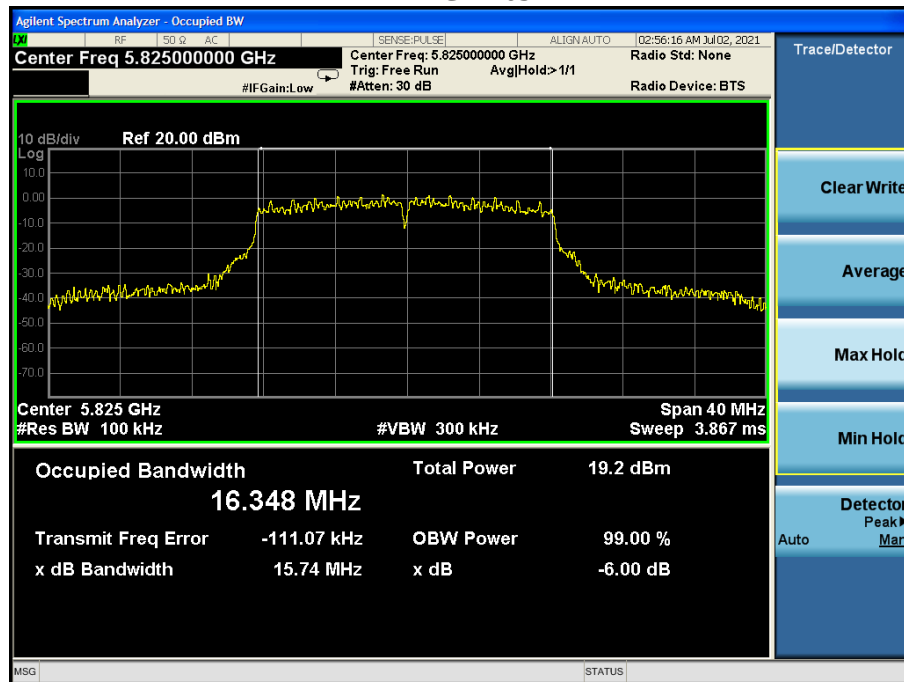
TX CH 149



TX CH 157



TX CH 165

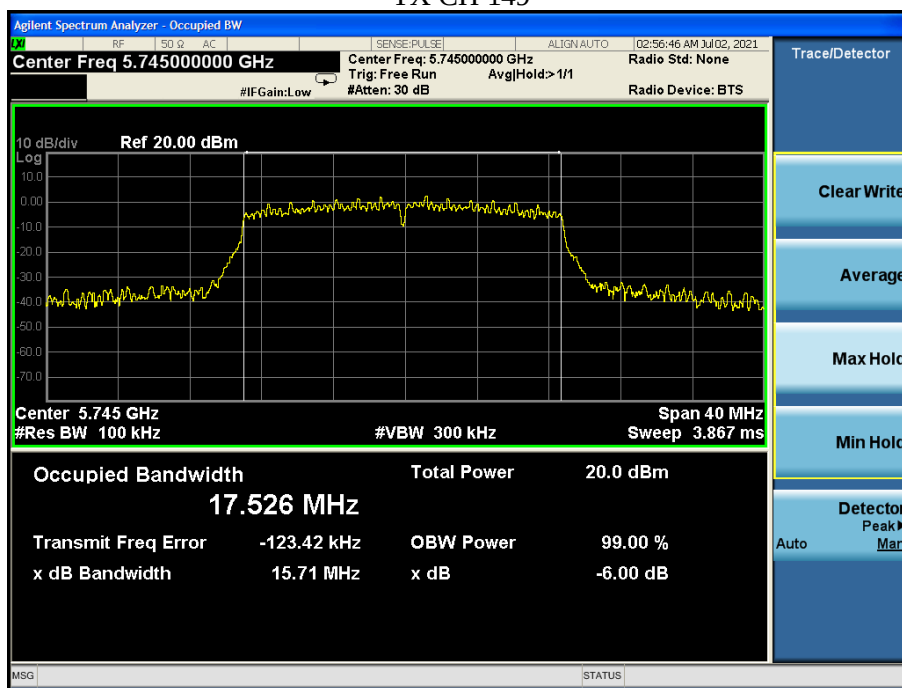


EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	TX n(20) Mode(5G) /CH149, CH157, CH165		
Test Date :	2021-07-02		

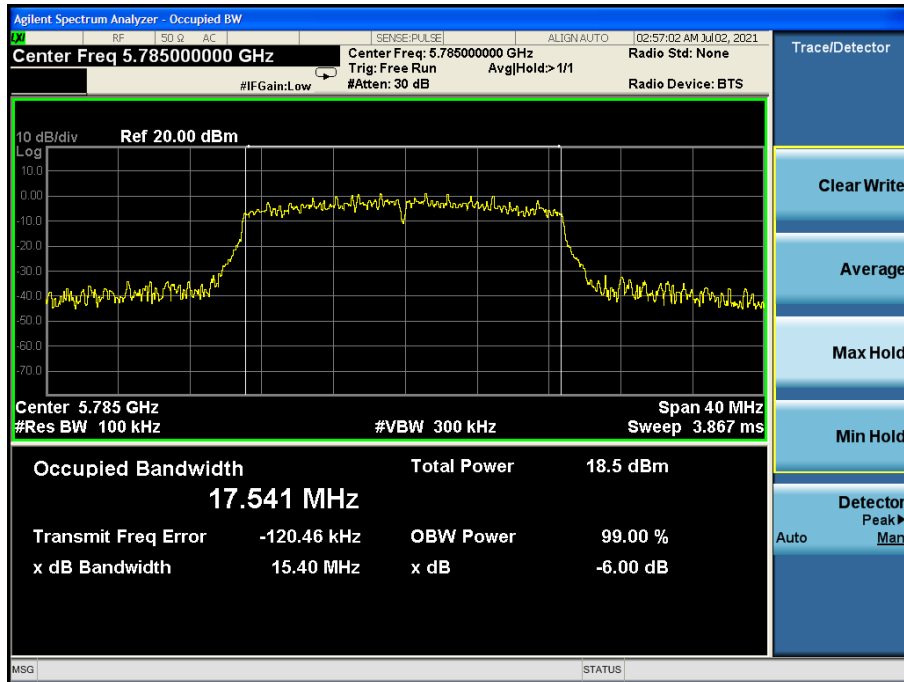
Test Channel	Frequency	6dB Bandwidth (MHz) Antenna 1	6dB Bandwidth (MHz) Antenna 2	Limit (kHz)	Result
CH 149	5745	15.71	15.24	≥ 500	Pass
CH 157	5785	15.40	15.33	≥ 500	Pass
CH 165	5825	16.36	15.78	≥ 500	Pass

6dB bandwidth

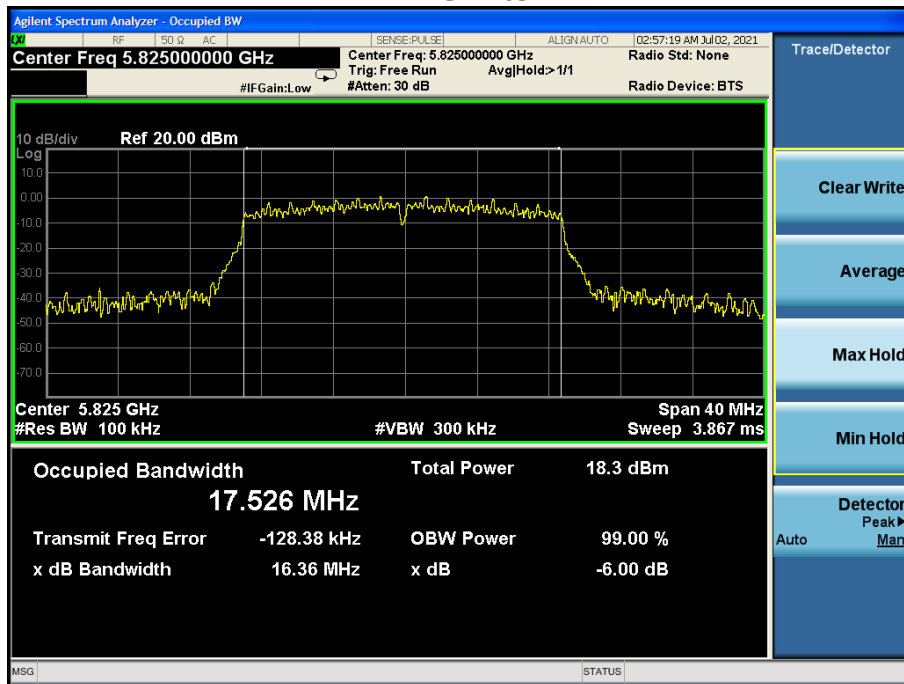
TX CH 149



TX CH 157



TX CH 165

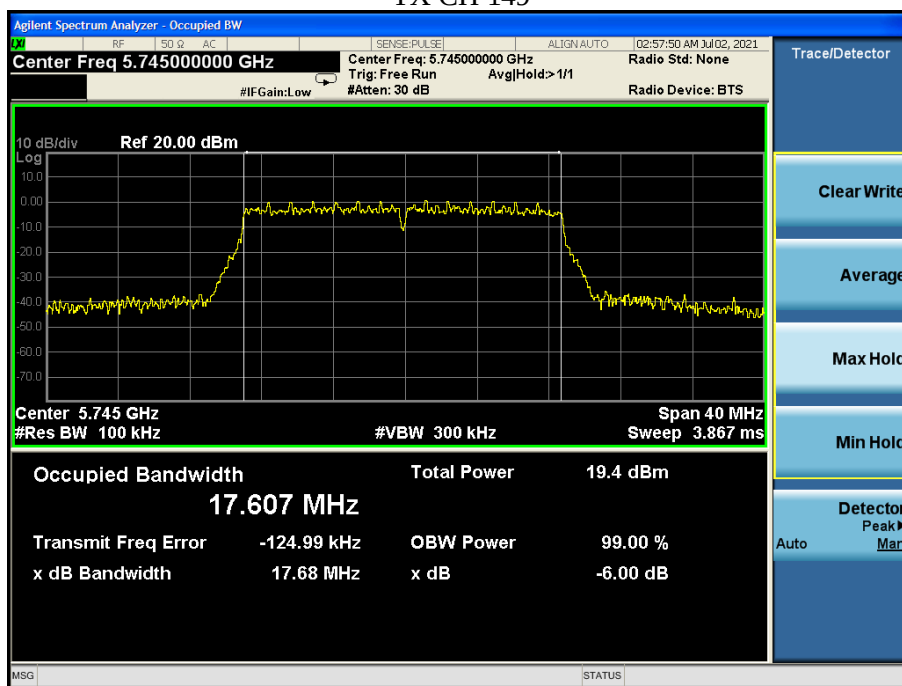


EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	TX ac(20) Mode(5G) /CH149, CH157, CH165		
Test Date :	2021-07-02		

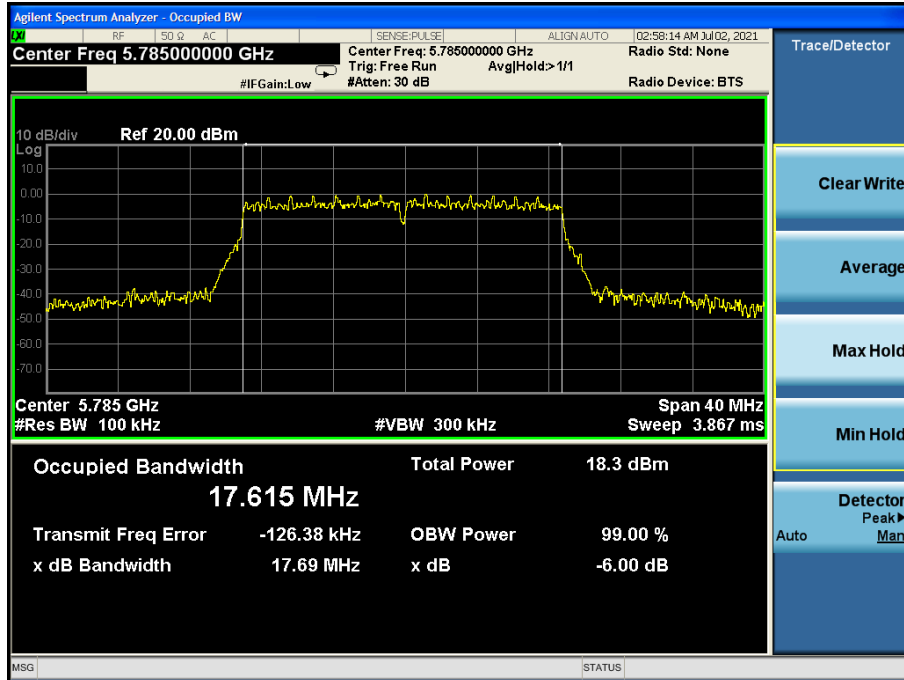
Test Channel	Frequency	6dB Bandwidth (MHz) Antenna 1	6dB Bandwidth (MHz) Antenna 2	Limit (kHz)	Result
CH 149	5745	17.68	17.35	≥ 500	Pass
CH 157	5785	17.69	17.31	≥ 500	Pass
CH 165	5825	17.63	17.37	≥ 500	Pass

6dB bandwidth

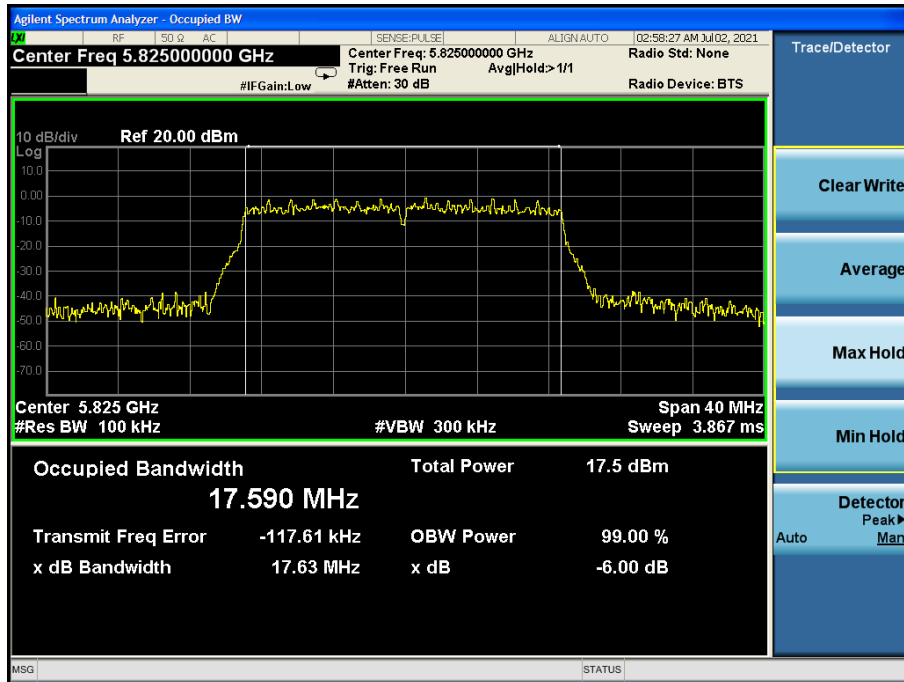
TX CH 149



TX CH 157



TX CH 165

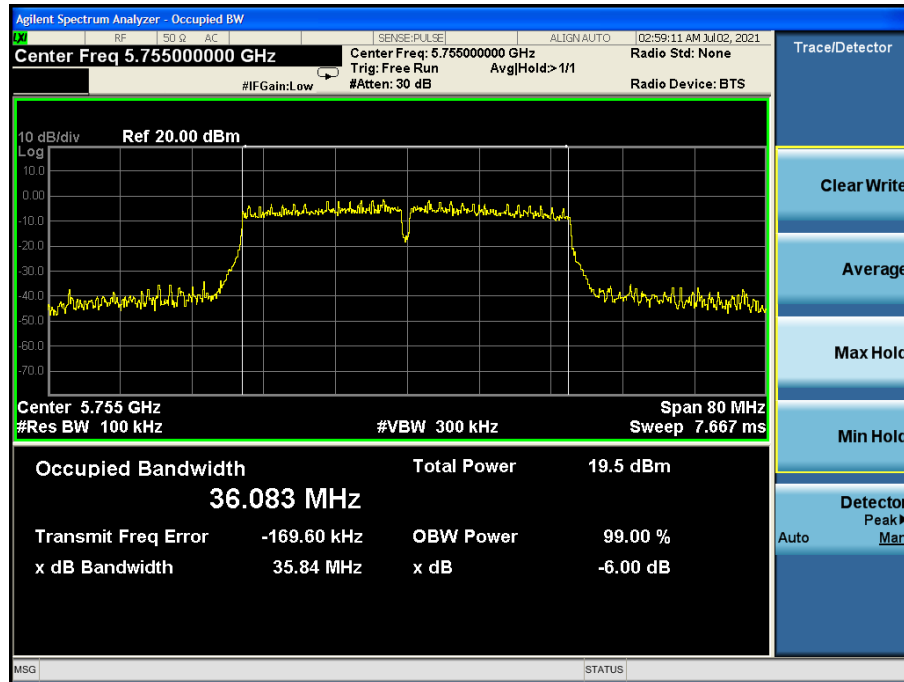


EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	TX n40 Mode(5G) /CH151, CH159		
Test Date :	2021-07-02		

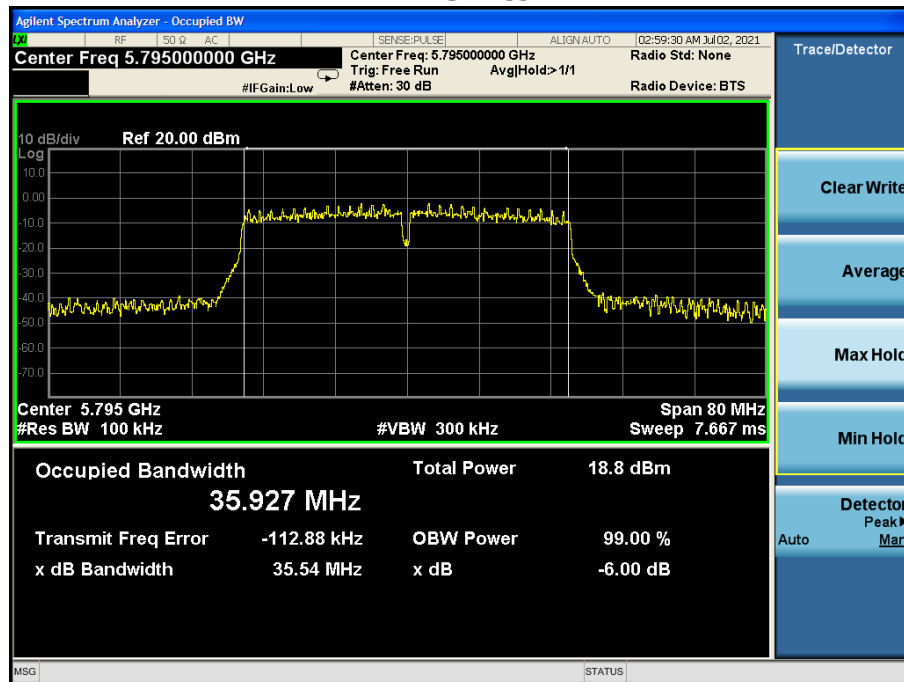
Test Channel	Frequency	6dB Bandwidth (MHz) Antenna 1	6dB Bandwidth (MHz) Antenna 2	Limit (kHz)	Result
CH 151	5755	35.84	35.06	≥ 500	Pass
CH 159	5795	35.54	35.12	≥ 500	Pass

6dB bandwidth

TX CH 151



TX CH 159

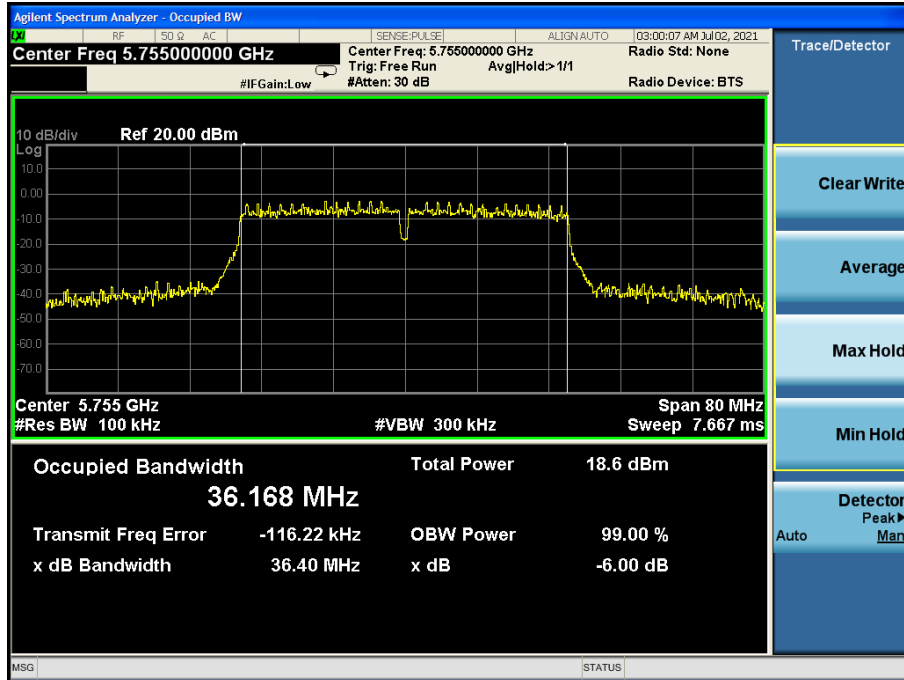


EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	TX ac40 Mode(5G) /CH151, CH159		
Test Date :	2021-07-02		

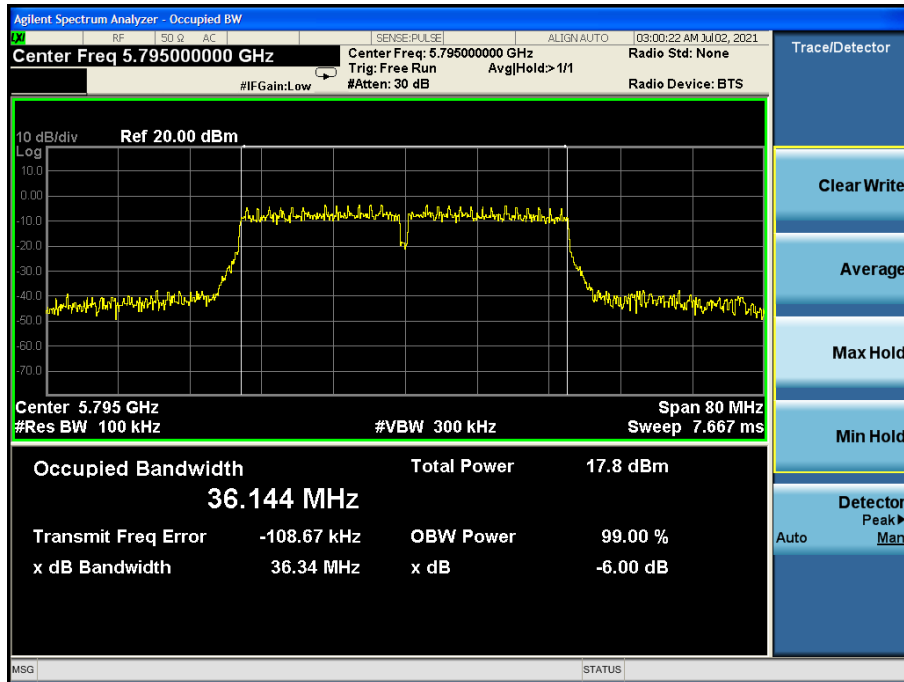
Test Channel	Frequency	6dB Bandwidth (MHz) Antenna 1	6dB Bandwidth (MHz) Antenna 2	Limit (kHz)	Result
CH 151	5755	36.40	36.17	≥ 500	Pass
CH 159	5795	36.34	36.22	≥ 500	Pass

6dB bandwidth

TX CH 151



TX CH 159

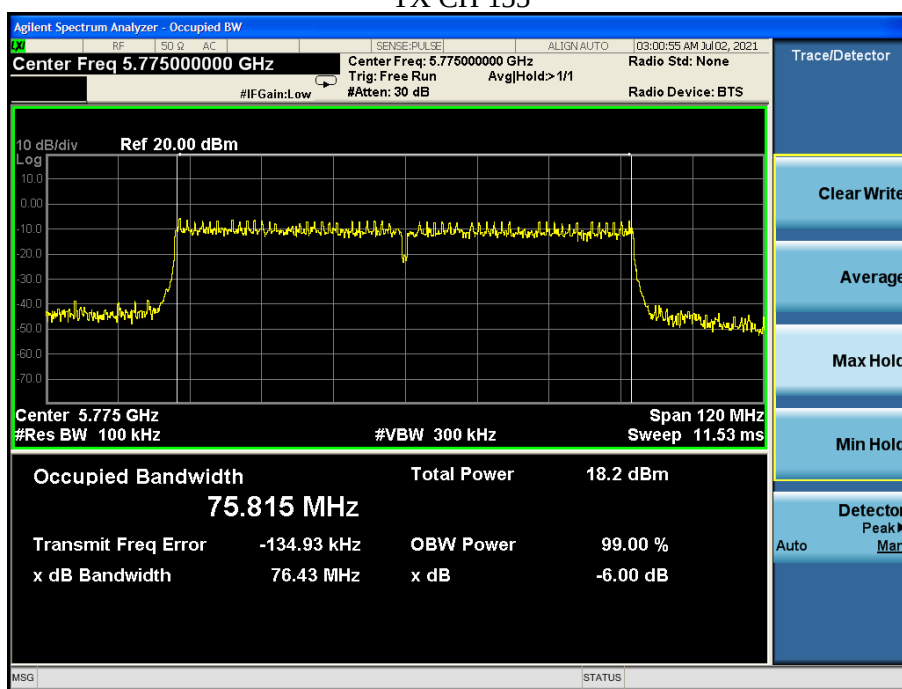


EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	TX AC(80) Mode(5G) /CH155		
Test Date :	2021-07-02		

Test Channel	Frequency	6dB Bandwidth (MHz) Antenna 1	6dB Bandwidth (MHz) Antenna 2	Limit (kHz)	Result
CH 155	5775	76.43	75.77	≧ 500	Pass

6dB bandwidth

TX CH 155



5 . POWER DENSITY

5.1 Applied procedures / limit

LP0002				
Section	Test Item	Limit	Frequency Range (MHz)	Result
4.7.3.3	Power density	30dBm	5725-5850	PASS

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> Operating Frequency Range
RB	510 kHz
VB	2 MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting : RBW= 510kHz, VBW=2MHz, Detector= Peak, Trace=Max Hold.

5.3 TEST SETUP



5.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

5.5 TEST RESULTS

ANT 1(2) Represent the value of antenna 1 and 2, The worst data is 1 Antenna a ,only shown
Antenna 1 Plot

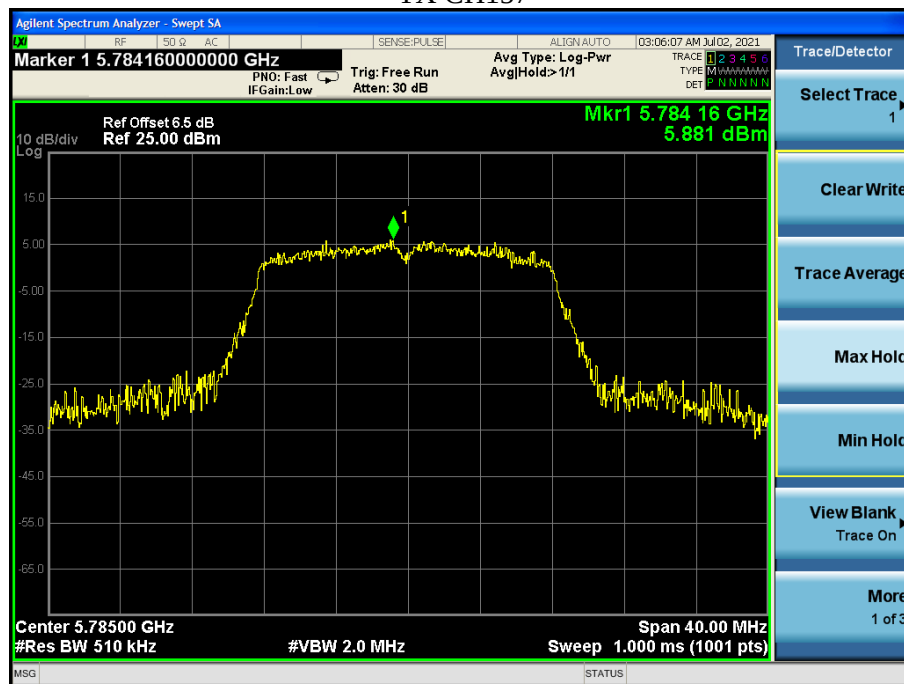
EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	TX 802.11a/n20/n40/ac80		
Test Date :	2021-07-02		

Test Mode	Test Channel	Frequency	Power Density (MHz) ANT 1	Power Density (MHz) ANT 2	Total Power Density (MHz)	Limit (dBm)	Result
802.11a (5.725GHz-5.85GHz) Data rate 6Mbps	CH 149	5745	6.912	5.714	/	30	Pass
	CH 157	5785	5.881	5.112	/	30	Pass
	CH 165	5825	6.360	5.654	/	30	Pass
802.11n(20M) (5.725GHz-5.85GHz) Data rate 13Mbps	CH 149	5745	6.446	5.023	8.80	30	Pass
	CH 157	5785	5.335	5.127	8.24	30	Pass
	CH 165	5825	6.139	5.641	8.91	30	Pass
802.11ac(20M) (5.725GHz-5.85GHz) Data rate 13Mbps	CH 149	5745	4.380	3.584	7.01	30	Pass
	CH 157	5785	3.522	3.158	6.35	30	Pass
	CH 165	5825	3.717	3.116	6.44	30	Pass
802.11n(40M) (5.725GHz-5.85GHz) Data rate 27Mbps	CH 151	5755	1.746	0.854	4.33	30	Pass
	CH 159	5795	1.397	0.653	4.05	30	Pass
802.11ac(40M) (5.725GHz-5.85GHz) Data rate 27Mbps	CH 151	5755	1.549	0.124	3.90	30	Pass
	CH 159	5795	0.941	0.078	3.54	30	Pass
802.11ac(80M) (5.725GHz-5.85GHz) Data rate 58.6Mbps	CH 155	5775	-2.662	-3.554	-0.07	30	Pass

Note: For MIMO mode: Directional gain=GANT +10log(N)dB_i =3.01dB_i <6dB_i.

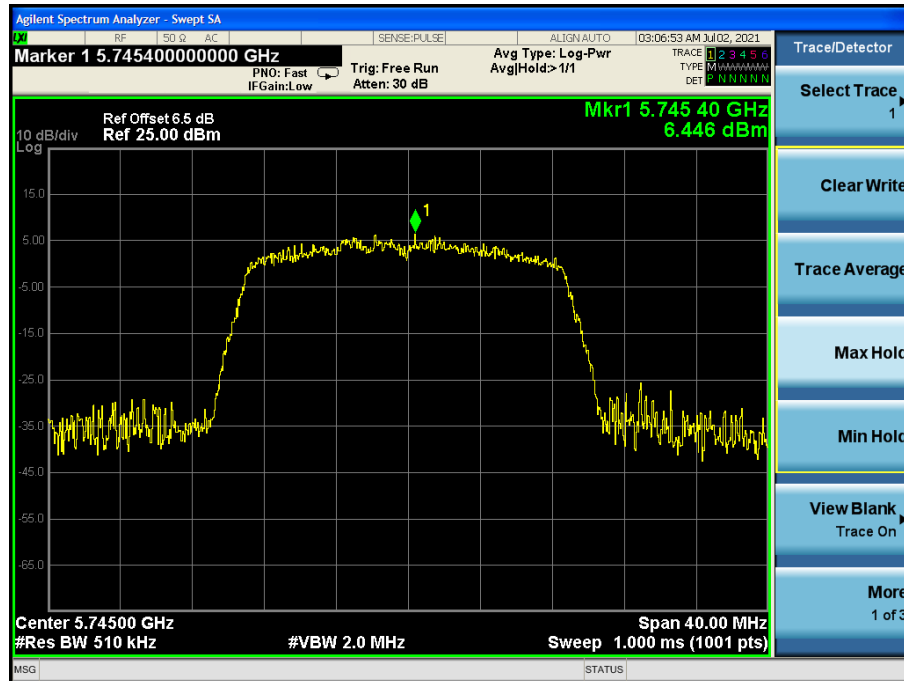
802.11a (5.725GHz-5.85GHz)
TX CH149

TX CH157

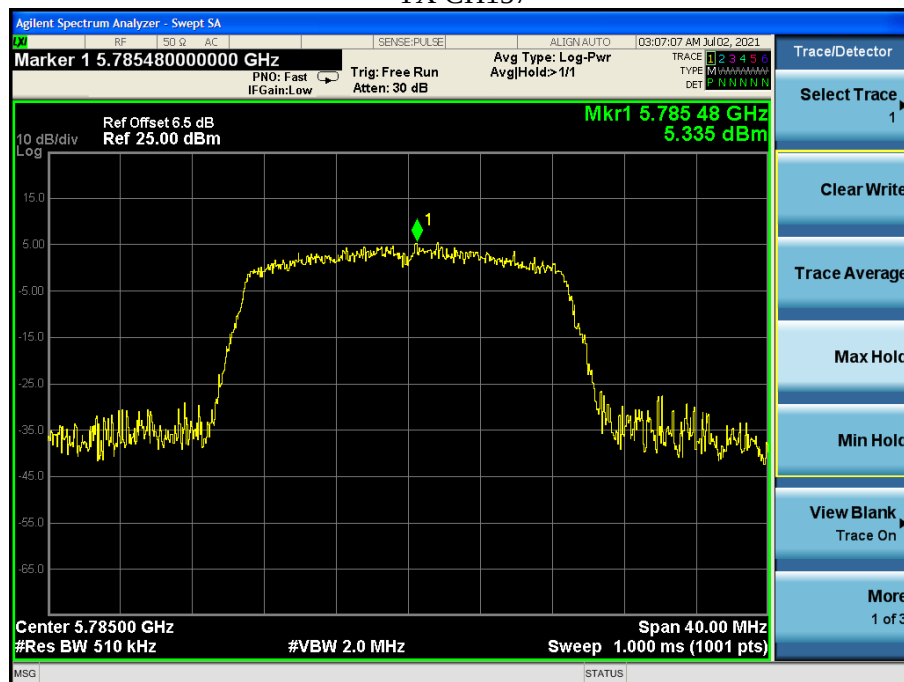


TX CH165



802.11n(20M) (5.725GHz-5.85GHz)
TX CH149

TX CH157

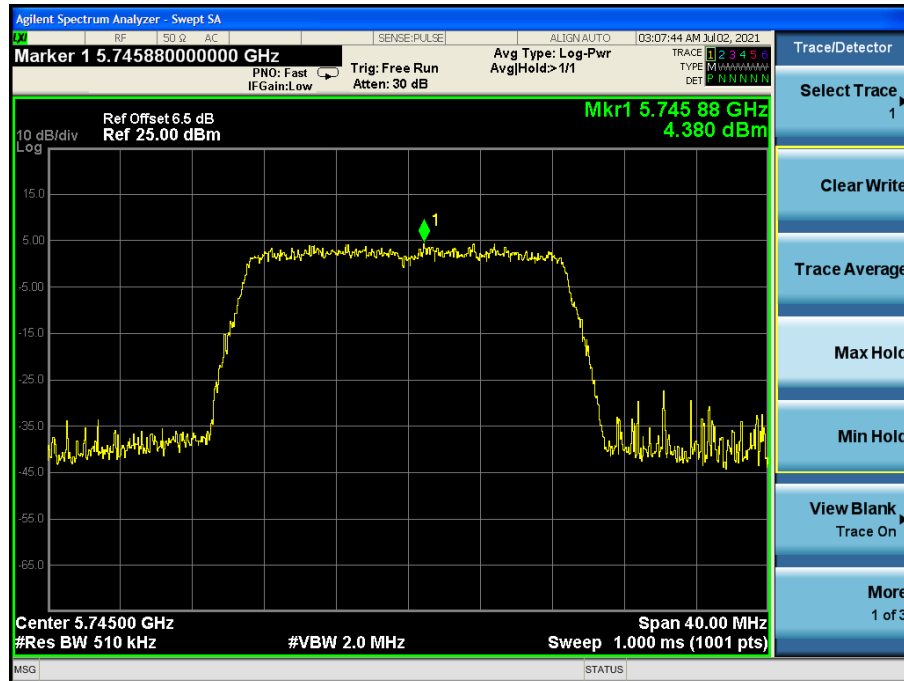


TX CH165

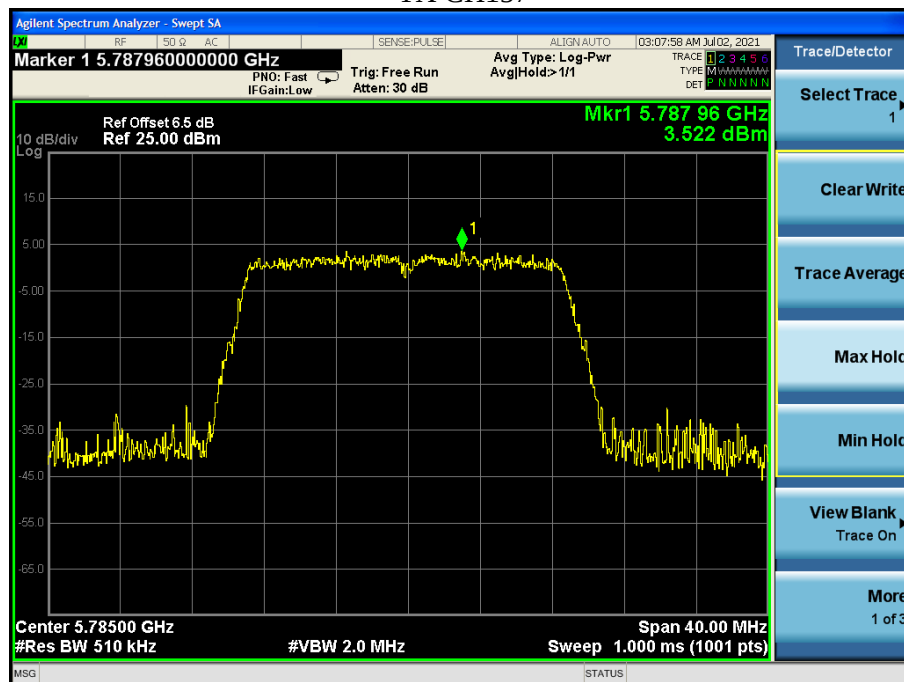


802.11ac(20M) (5.725GHz-5.85GHz)

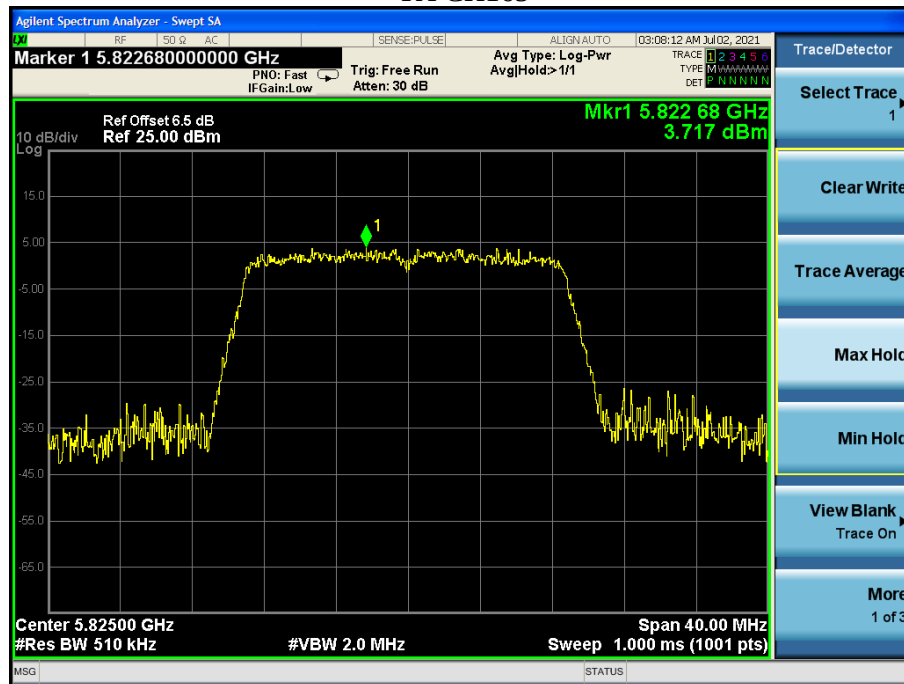
TX CH149



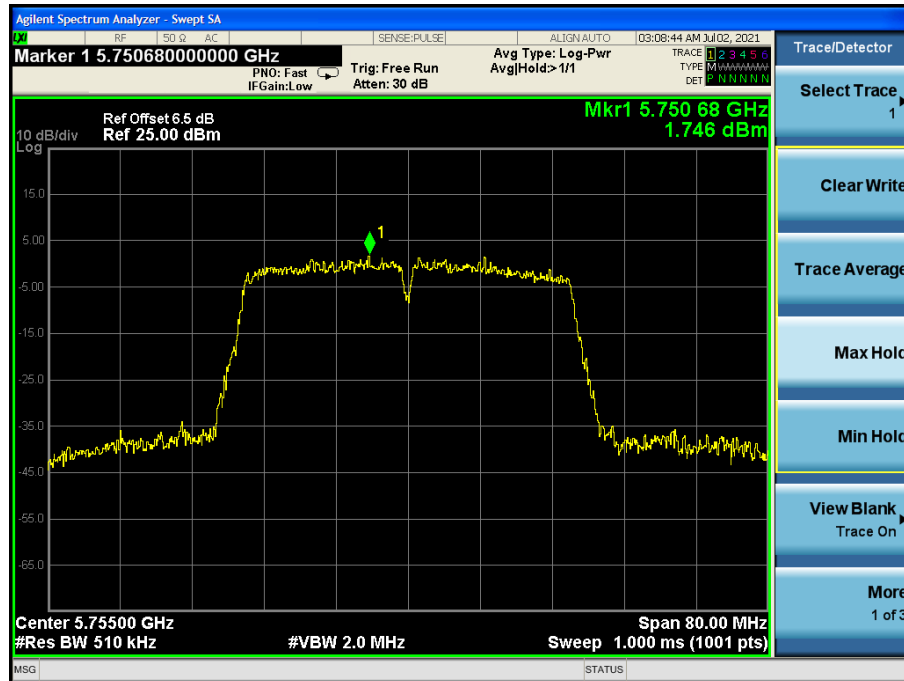
TX CH157



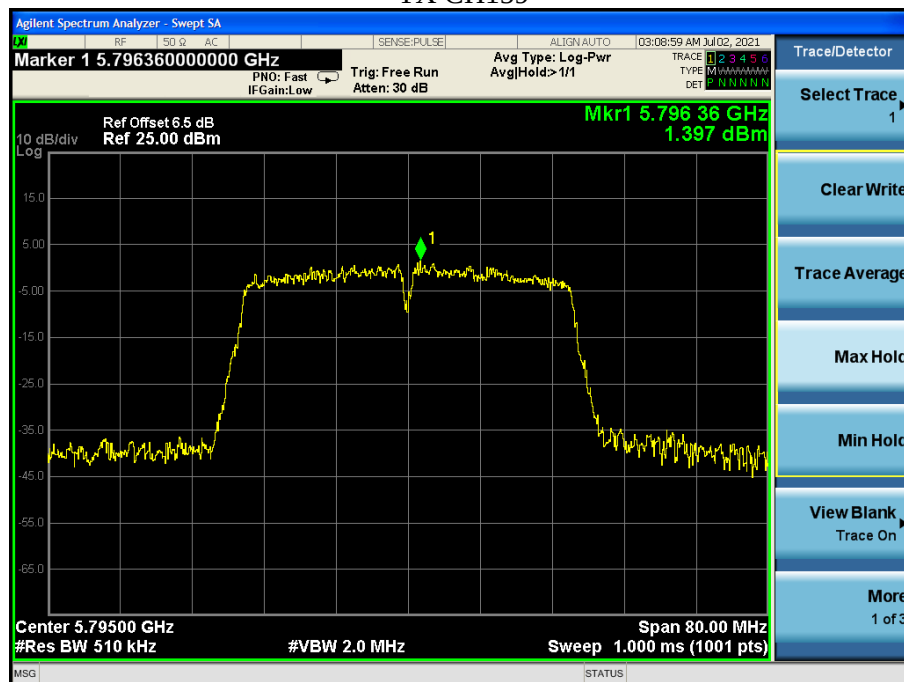
TX CH165

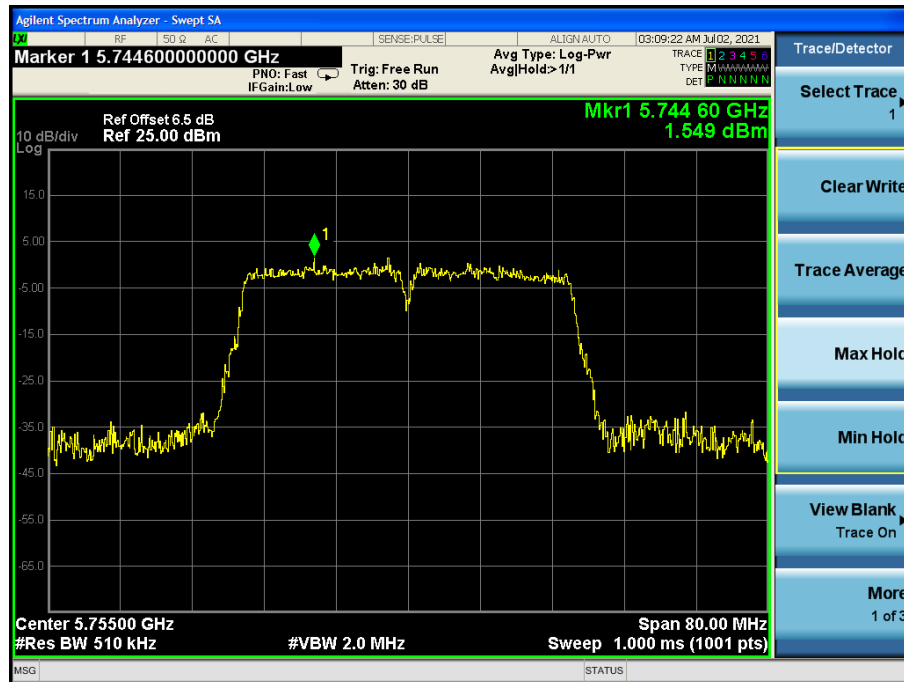


802.11n(40M) (5.725GHz-5.85GHz)
TX CH151

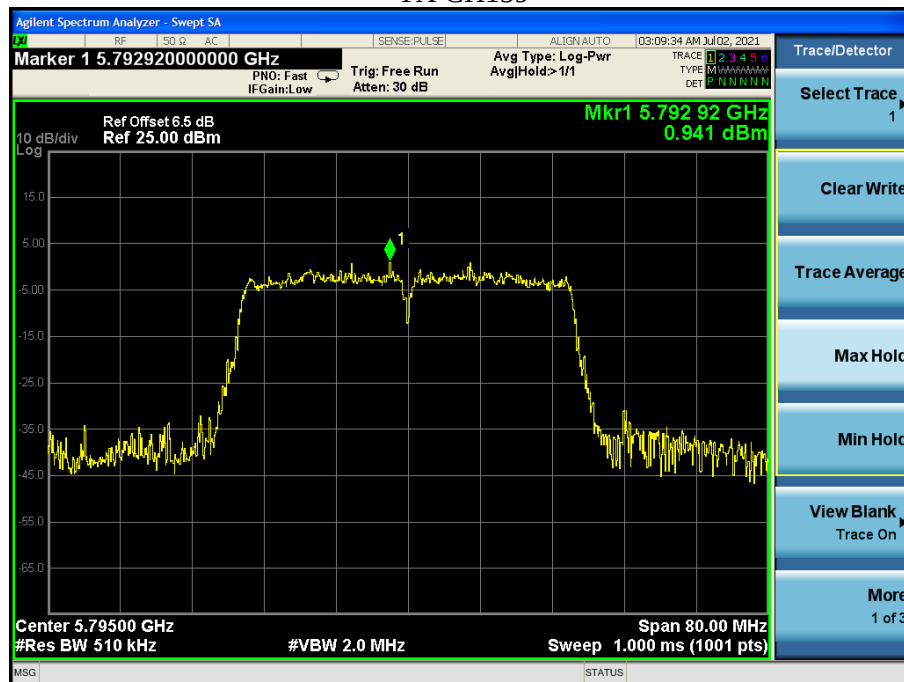


TX CH159

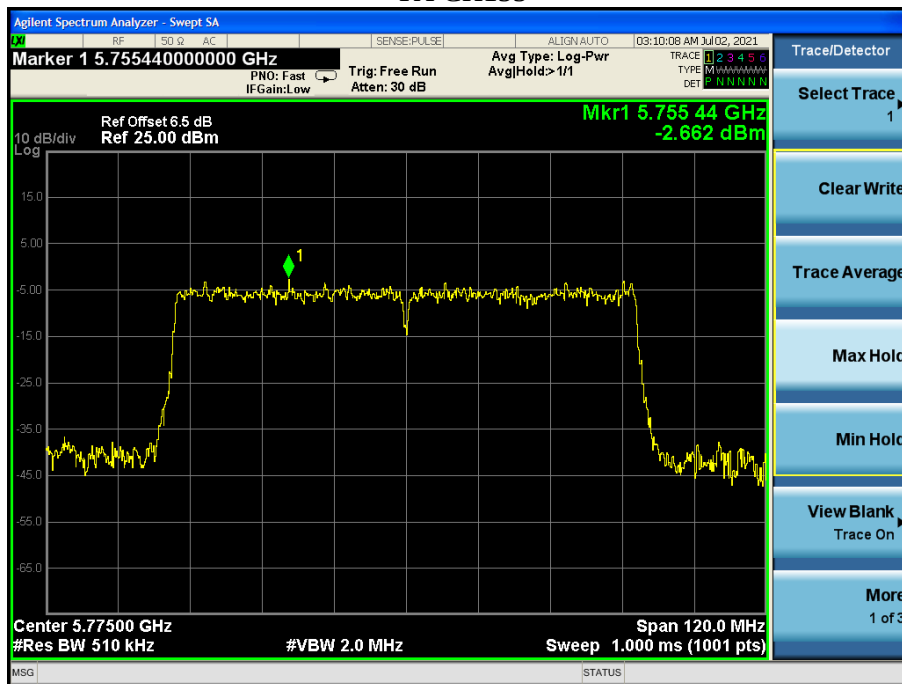


802.11ac(40M) (5.725GHz-5.85GHz)
TX CH151

TX CH159



802.11ac(80M) (5.725GHz-5.85GHz) TX CH155



6 . OUTPUT POWER TEST

6.1 Applied procedures / limit

LP0002				
Section	Test Item	Limit	Frequency Range (MHz)	Result
4.7.3.3	Peak Output Power	1 watt (30dBm)	5725-5850	PASS

6.2 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

6.6 TEST RESULTS

EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	TX 802.11a/n20/n40/ac80(5G) Mode		
Test Date :	2021-07-02		

Test Channel	Frequency (MHz)	Maximum output power. Antenna port			LIMIT dBm
		Output Power 1 (dBm)	Output Power 2 (dBm)	Total Power (dBm)	
TX 802.11a Mode					
CH149	5745	17.95	16.88	/	30
CH157	5785	17.75	16.75	/	30
CH165	5825	17.02	16.69	/	30
TX 802.11 n20 Mode					
CH149	5745	17.11	16.44	19.80	30
CH157	5785	17.27	16.21	19.78	30
CH165	5825	17.03	16.09	19.60	30
TX 802.11 ac20 Mode					
CH149	5745	16.45	15.65	19.08	30
CH157	5785	16.41	15.41	18.95	30
CH165	5825	16.37	15.23	18.85	30
TX 802.11 n40 Mode					
CH151	5755	16.88	16.02	19.48	30
CH159	5795	16.85	16.44	19.66	30
TX 802.11 ac40 Mode					
CH151	5755	16.74	15.93	19.36	30
CH159	5795	16.66	15.75	19.24	30
TX 802.11 ac80 Mode					
CH155	5775	15.22	14.56	17.91	30

Note: For MIMO mode: Directional gain=GANT +10log(N)dBi =3.01dBi <6dBi.

7 . ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 Applied procedures / limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the modulation products of the spreading sequence, the information sequence and the carrier frequency shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power or shall not exceed the general levels specified in Section 3.6.

Frequencies (MHz)	Field Strength (micровolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

7.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting : RBW= 1000kHz, VBW=1000kHz, Sweep time = Auto.

7.3 TEST SETUP



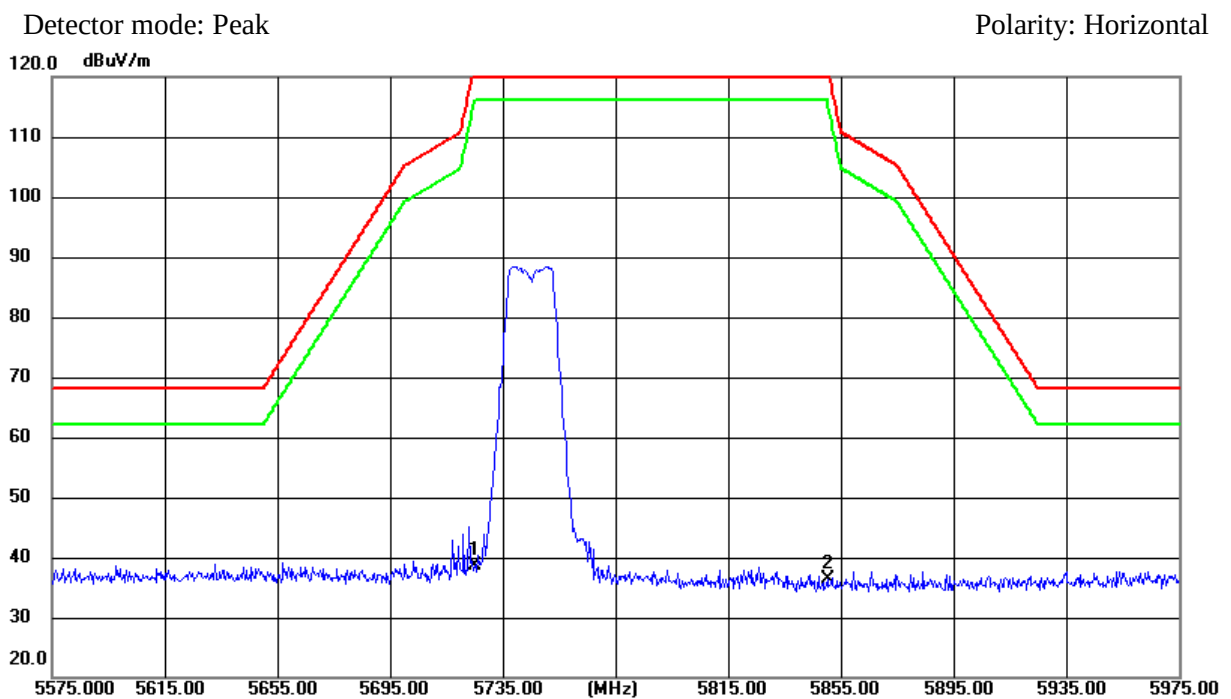
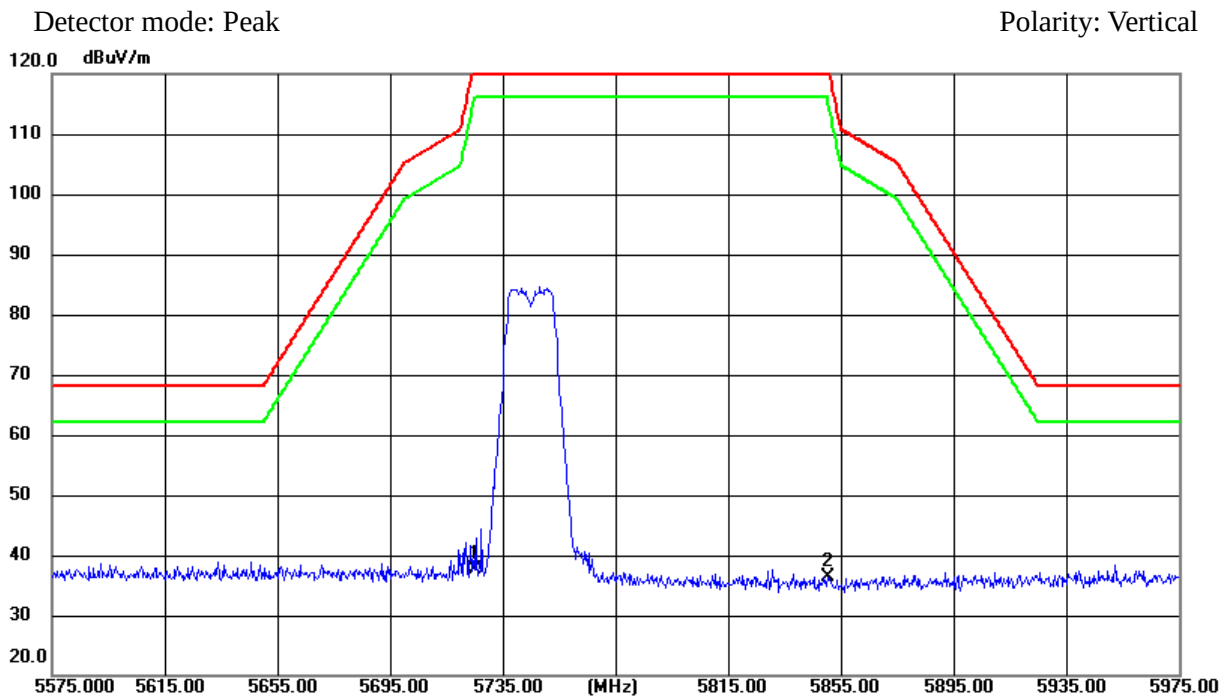
7.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

7.5 TEST RESULTS

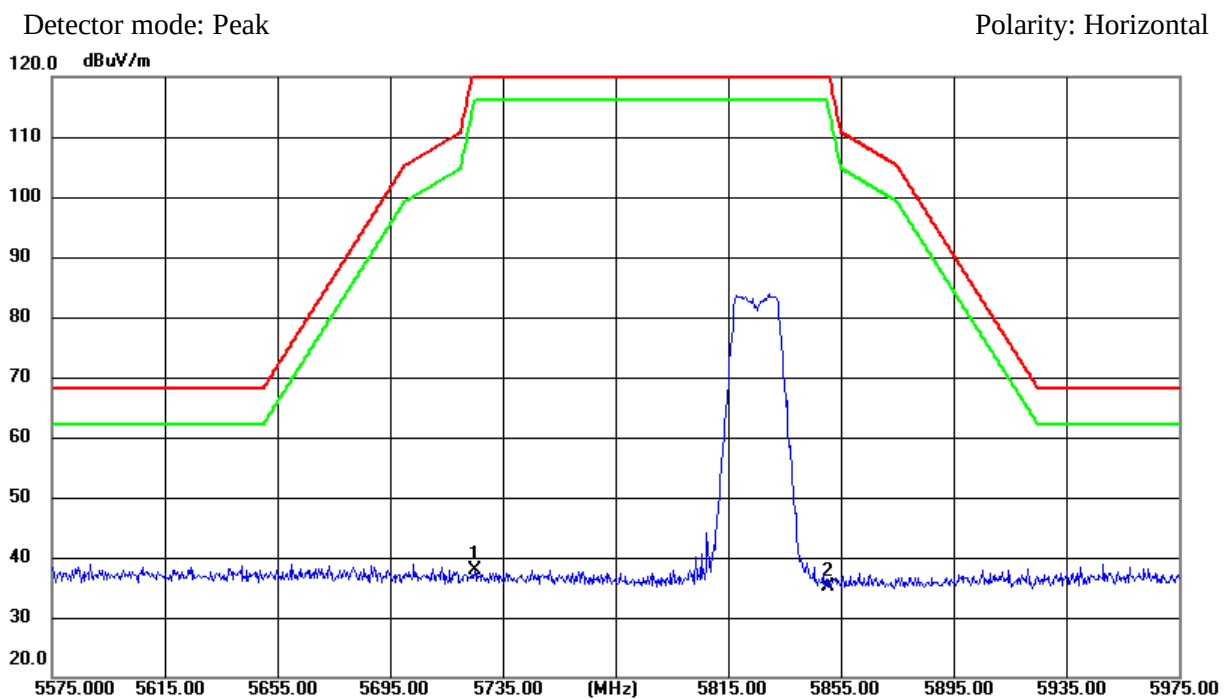
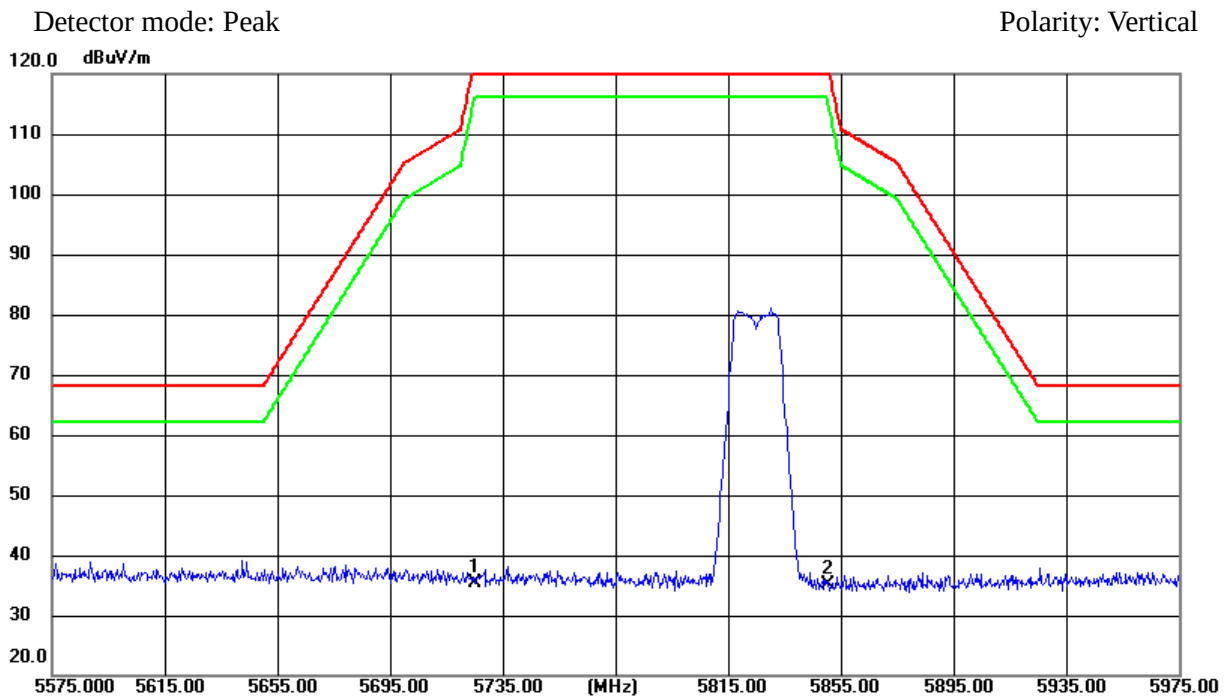
EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	802.11a CH 149		
Test Date :	2021-07-12		
Note :	In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.		

Freq. (MHz)	Ant.Pol. H/V	Reading (dBuv)	Ant/CF (dB)	Act (dBuv/m)	Limit (dBuv/m)	Note
5725.000	V	33.62	3.95	37.57	122.20	CH 149
5850.000	V	32.33	3.96	36.29	122.20	CH 149
5725.000	H	34.67	3.95	38.62	122.20	CH 149
5850.000	H	32.41	3.96	36.37	122.20	CH 149



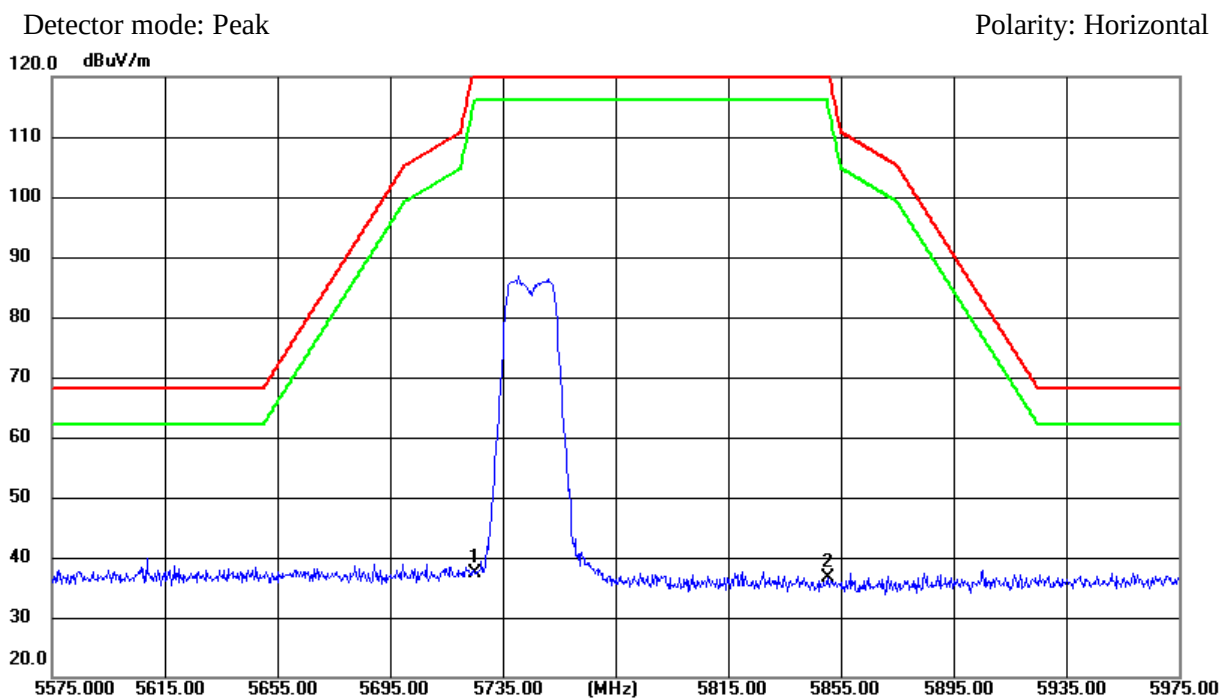
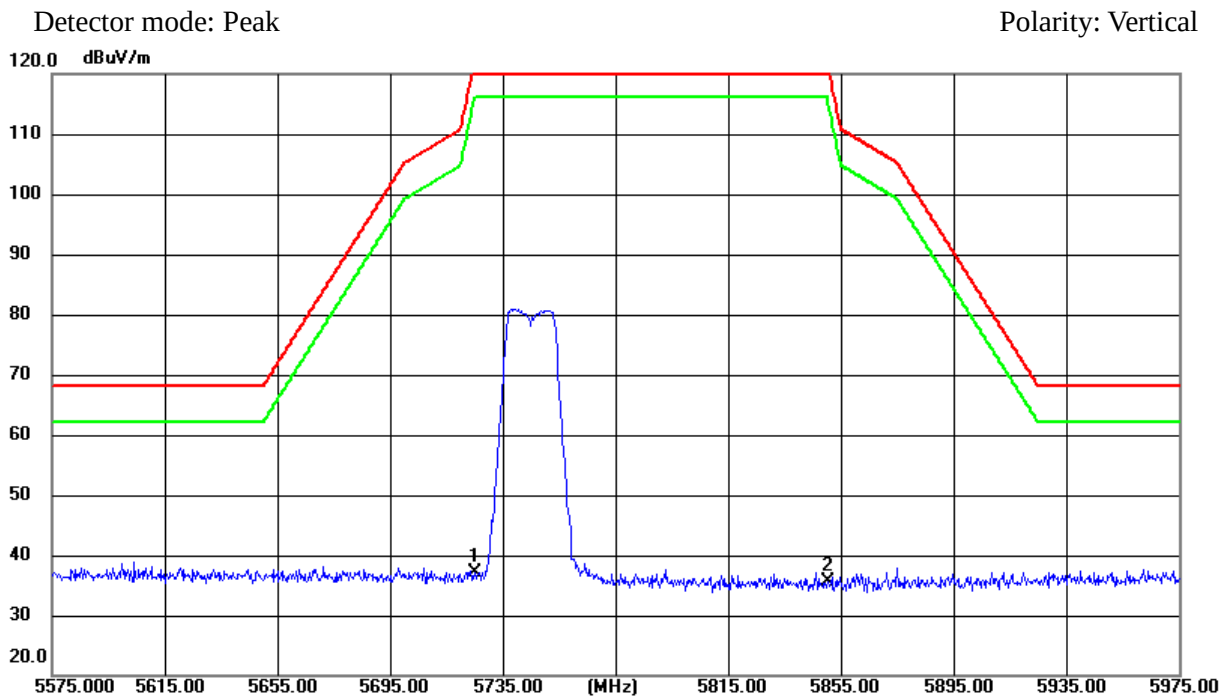
EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	802.11a CH 165		
Test Date :	2021-07-12		
Note :	In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.		

Freq. (MHz)	Ant.Pol. H/V	Reading (dBuv)	Ant/CF (dB)	Act (dBuv/m)	Limit (dBuv/m)	Note
5725.000	V	31.58	3.95	35.53	122.20	CH 165
5850.000	V	31.25	3.96	35.21	122.20	CH 165
5725.000	H	33.97	3.95	37.92	122.20	CH 165
5850.000	H	31.14	3.96	35.10	122.20	CH 165



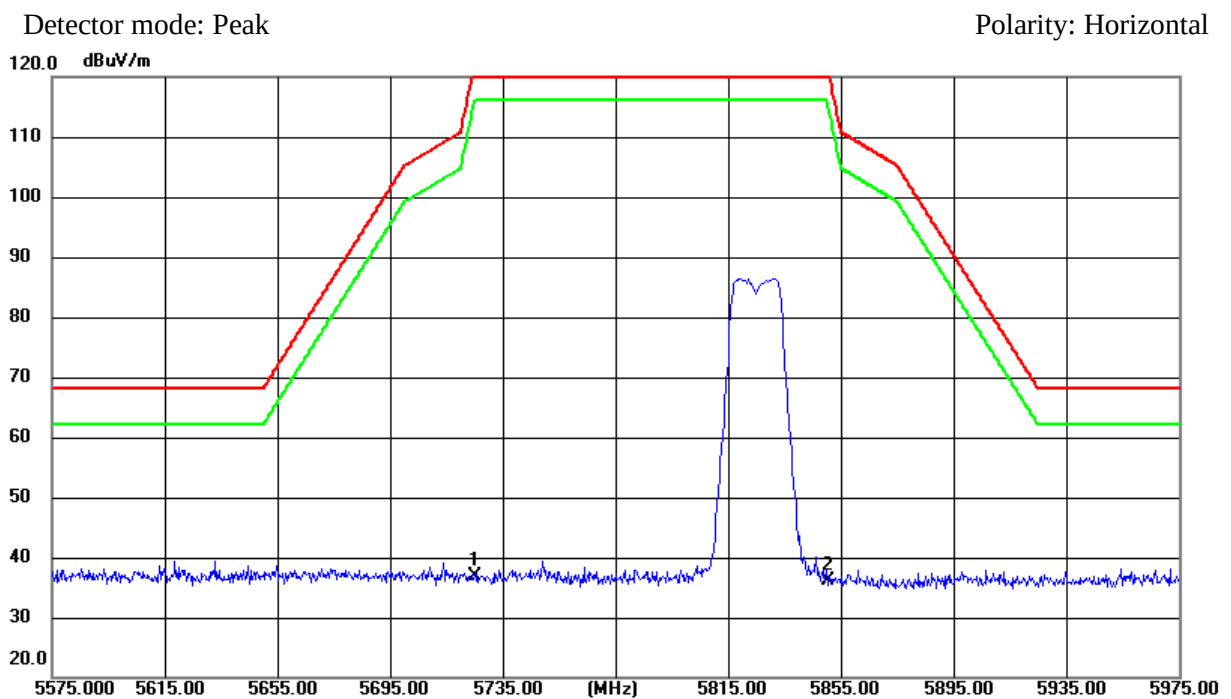
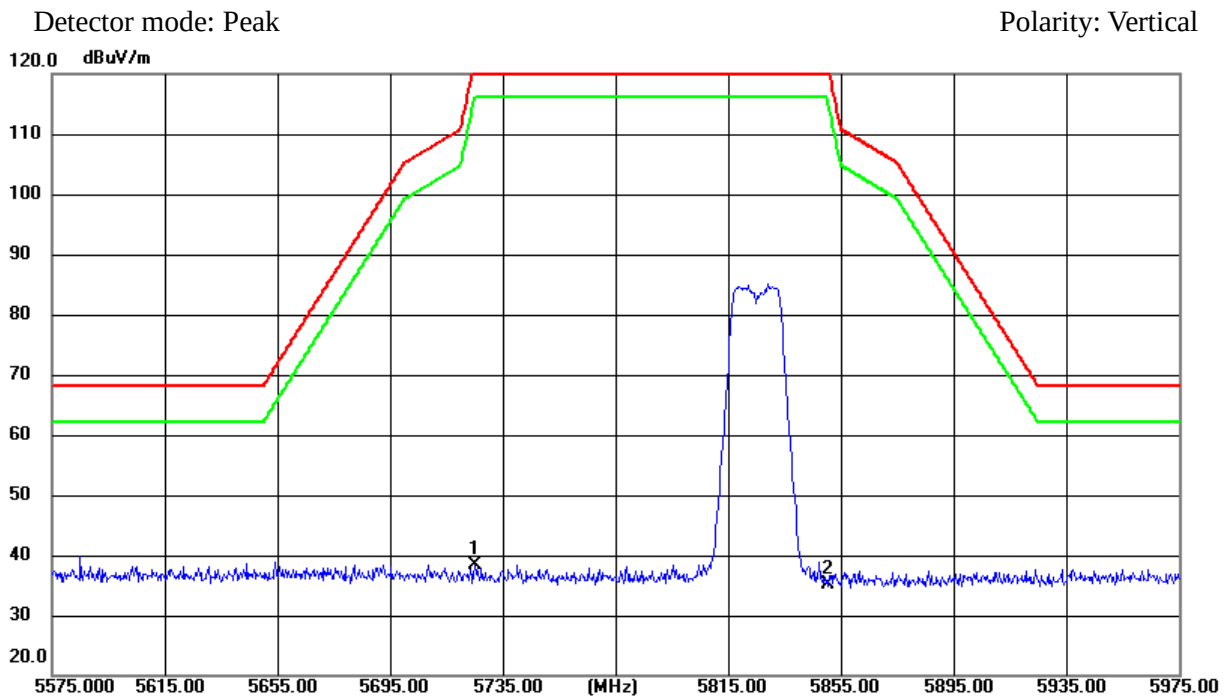
EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	802.11n20(5G) CH 149		
Test Date :	2021-07-12		
Note :	In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.		

Freq. (MHz)	Ant.Pol. H/V	Reading (dBuv)	Ant/CF (dB)	Act (dBuv/m)	Limit (dBuv/m)	Note
5725.000	V	33.13	3.95	37.08	122.20	CH 149
5850.000	V	31.63	3.96	35.59	122.20	CH 149
5725.000	H	33.32	3.95	37.27	122.20	CH 149
5850.000	H	32.70	3.96	36.66	122.20	CH 149



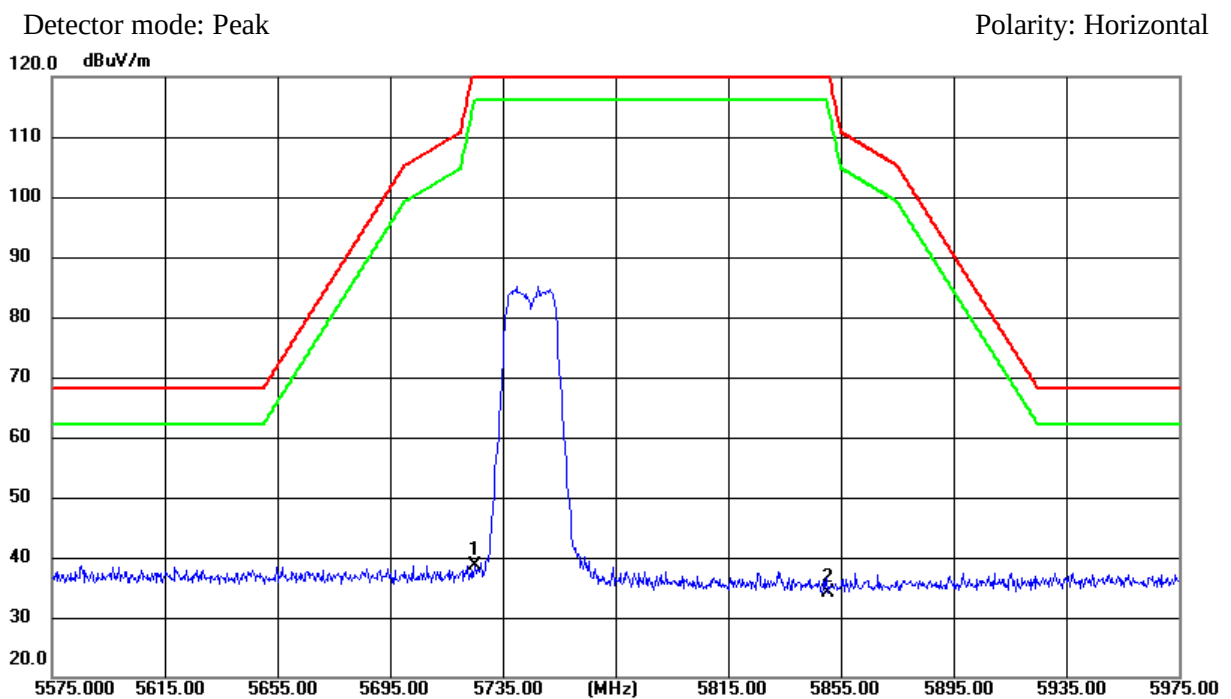
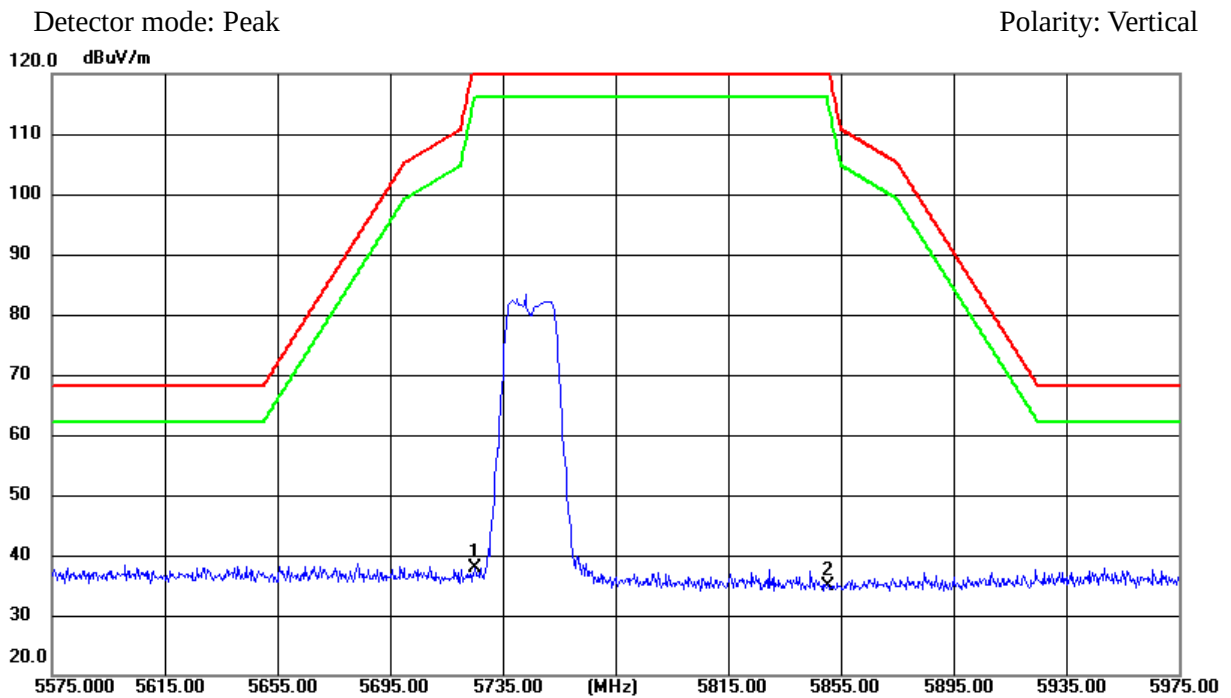
EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	802.11n20(5G) CH 165		
Test Date :	2021-07-12		
Note :	In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.		

Freq. (MHz)	Ant.Pol. H/V	Reading (dBuv)	Ant/CF (dB)	Act (dBuv/m)	Limit (dBuv/m)	Note
5725.000	V	34.41	34.41	34.41	122.20	CH 165
5850.000	V	31.23	31.23	31.23	122.20	CH 165
5725.000	H	32.82	32.82	32.82	122.20	CH 165
5850.000	H	32.09	32.09	32.09	122.20	CH 165



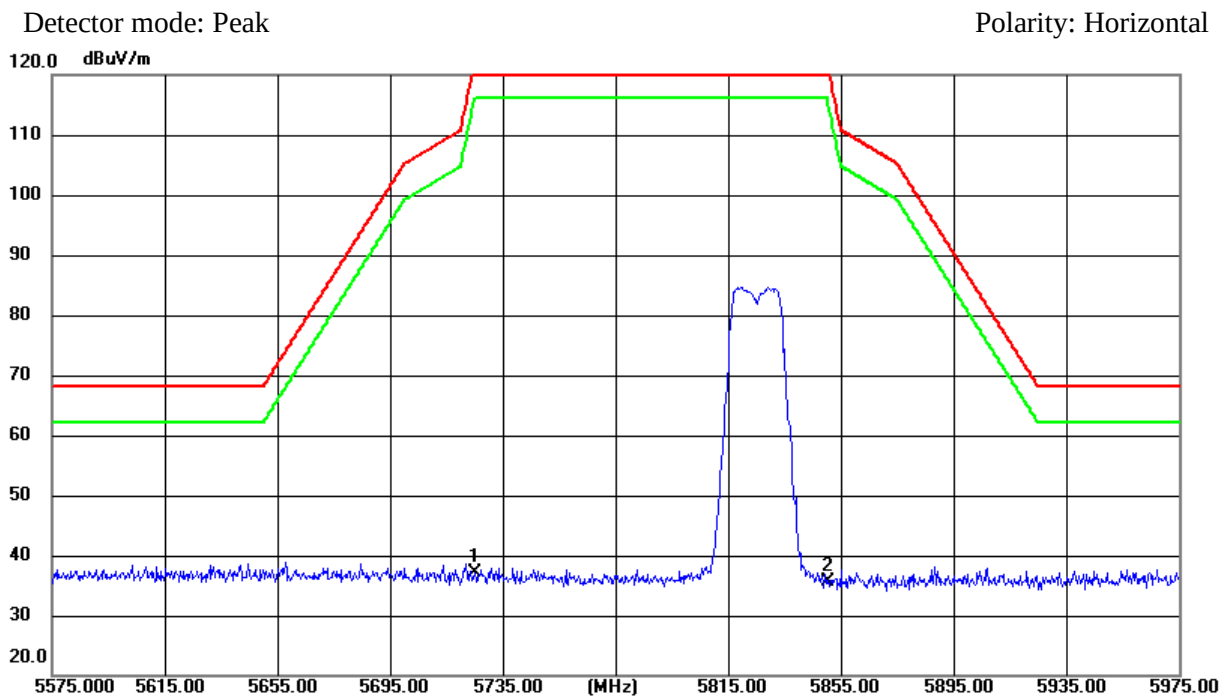
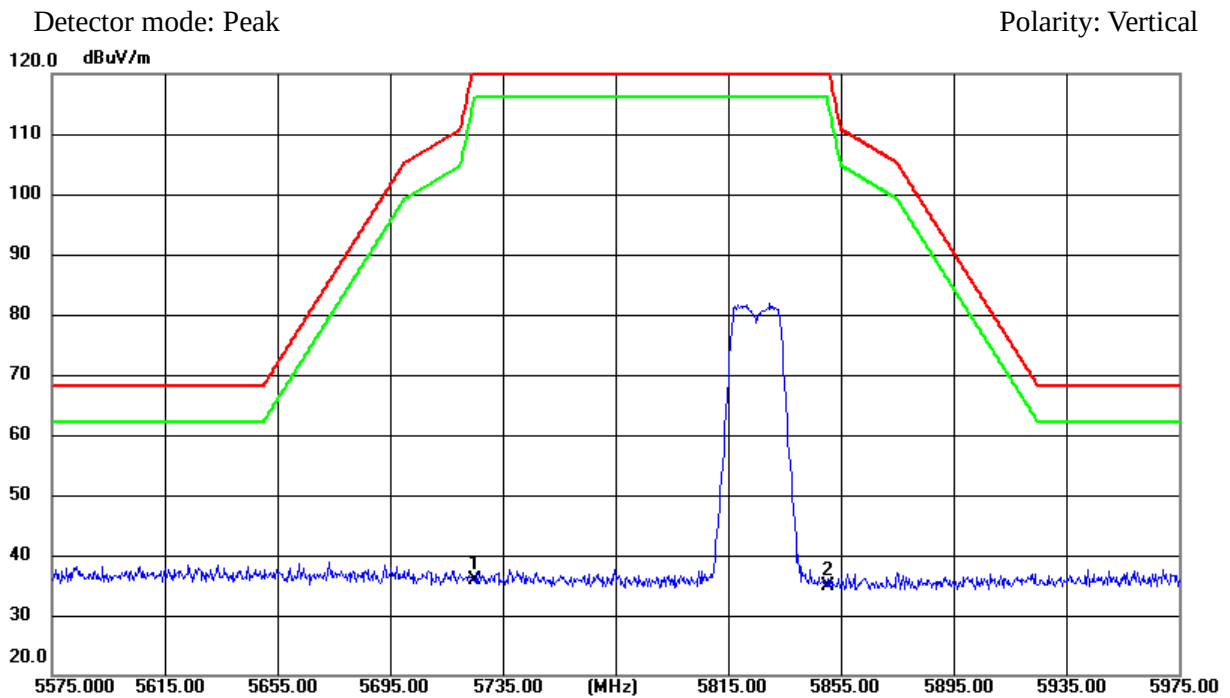
EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	802.11ac20(5G) CH 149		
Test Date :	2021-07-12		
Note :	In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.		

Freq. (MHz)	Ant.Pol. H/V	Reading (dBuv)	Ant/CF (dB)	Act (dBuv/m)	Limit (dBuv/m)	Note
5725.000	V	33.86	3.95	37.81	122.20	CH 149
5850.000	V	30.92	3.96	34.88	122.20	CH 149
5725.000	H	34.68	3.95	38.63	122.20	CH 149
5850.000	H	30.13	3.96	34.09	122.20	CH 149



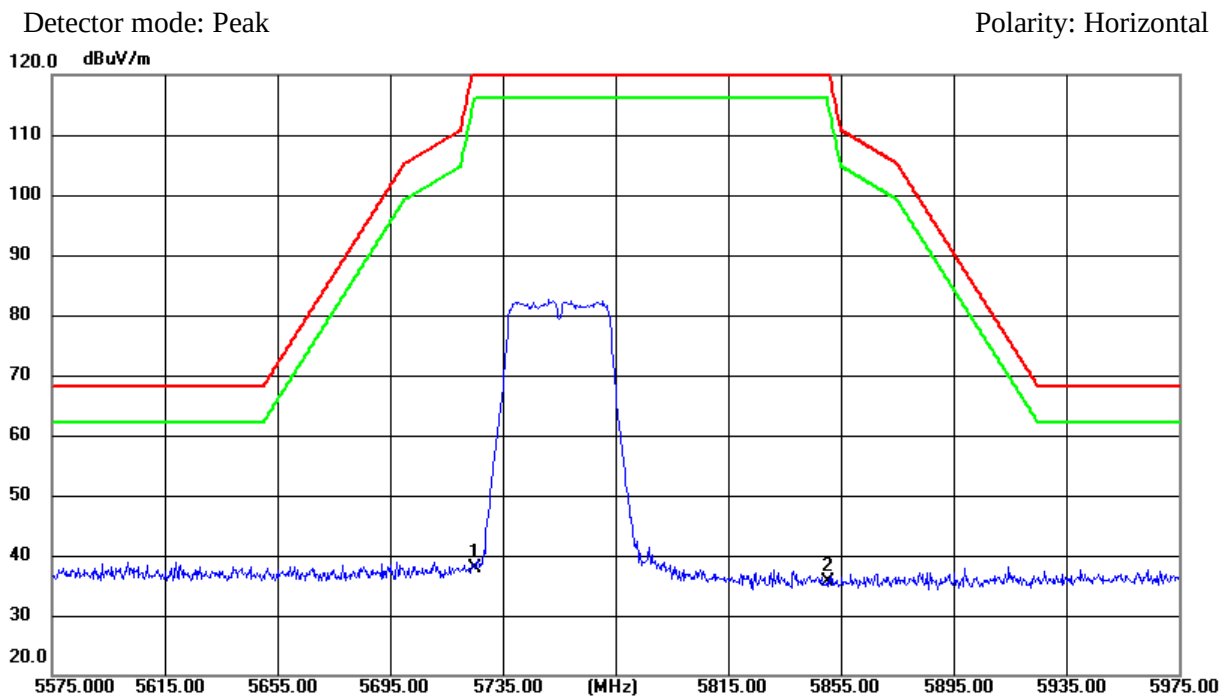
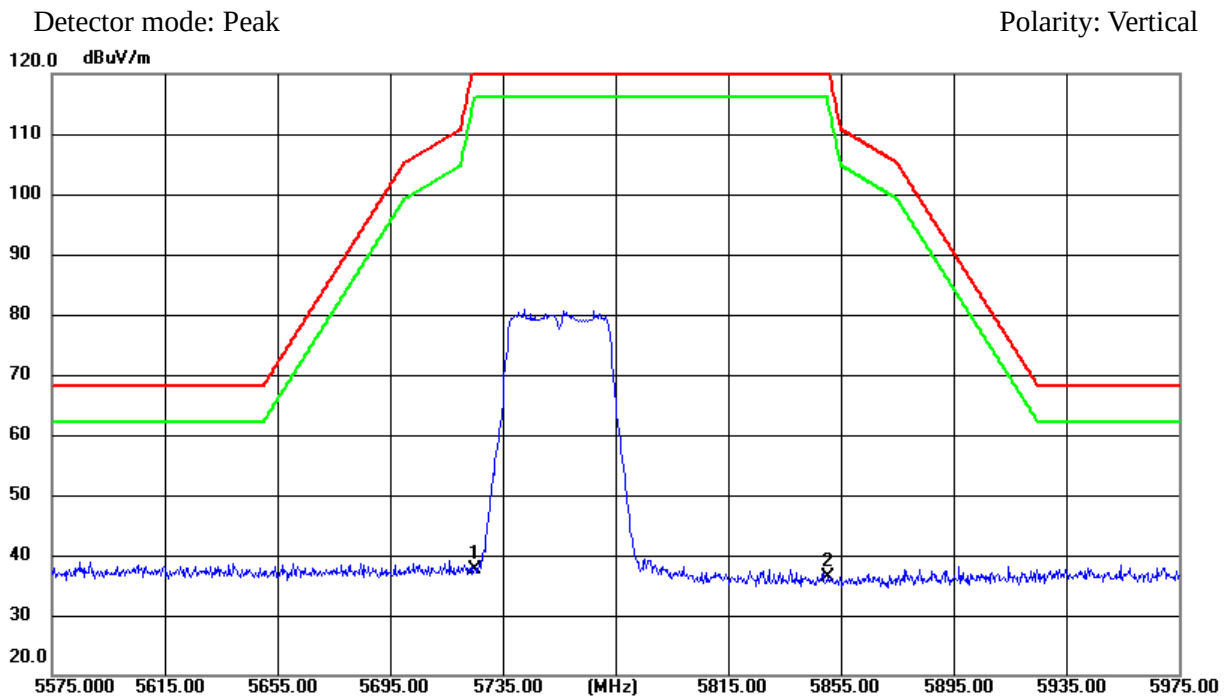
EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	802.11ac20(5G) CH 165		
Test Date :	2021-07-12		
Note :	In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest lever of the desired power.		

Freq. (MHz)	Ant.Pol. H/V	Reading (dBuv)	Ant/CF (dB)	Act (dBuv/m)	Limit (dBuv/m)	Note
5725.000	V	31.86	3.95	35.81	122.20	CH 165
5850.000	V	31.06	3.96	35.02	122.20	CH 165
5725.000	H	33.03	3.95	36.98	122.20	CH 165
5850.000	H	31.61	3.96	35.57	122.20	CH 165



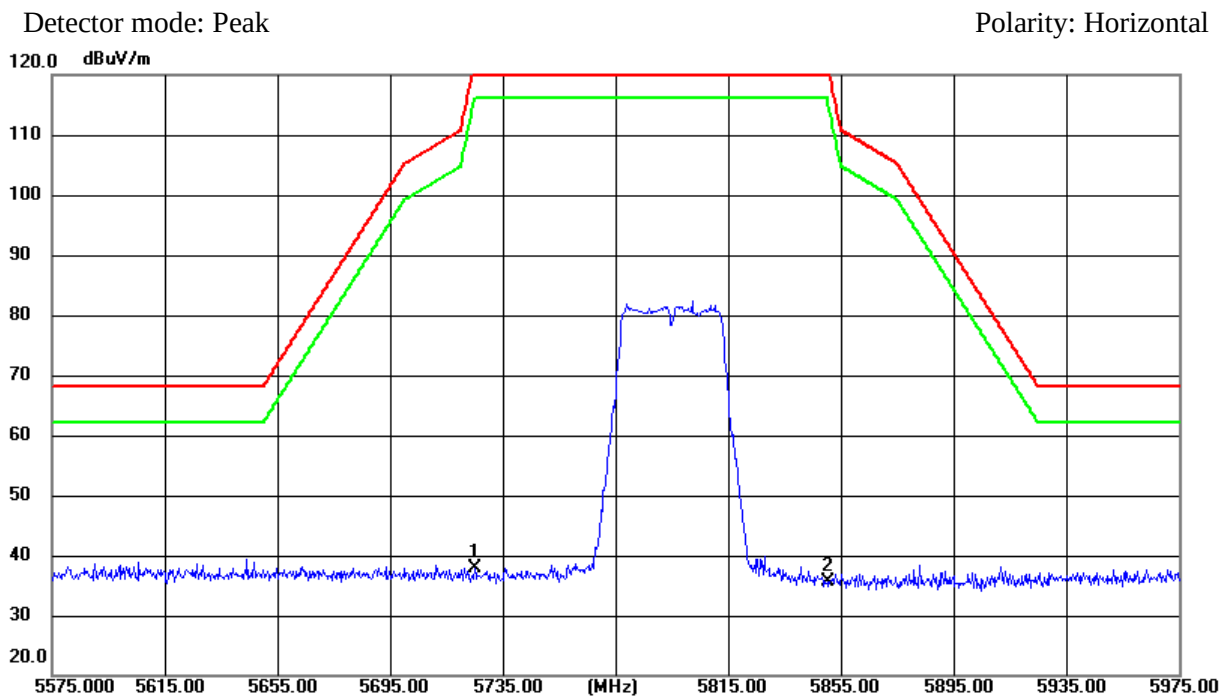
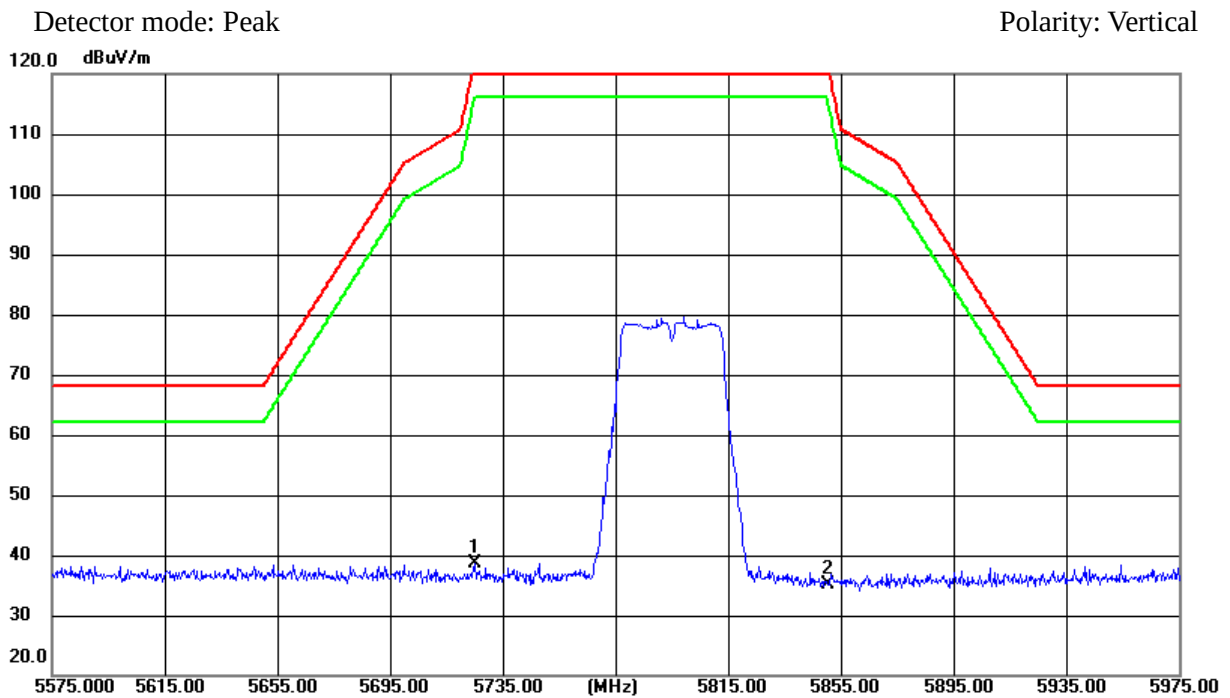
EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	802.11n40(5G) CH 151		
Test Date :	2021-07-12		
Note :	In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.		

Freq. (MHz)	Ant.Pol. H/V	Reading (dBuv)	Ant/CF (dB)	Act (dBuv/m)	Limit (dBuv/m)	Note
5725.000	V	33.77	3.95	37.72	122.20	CH 151
5850.000	V	32.33	3.96	36.29	122.20	CH 151
5725.000	H	33.91	3.95	37.86	122.20	CH 151
5850.000	H	31.51	3.96	35.47	122.20	CH 151



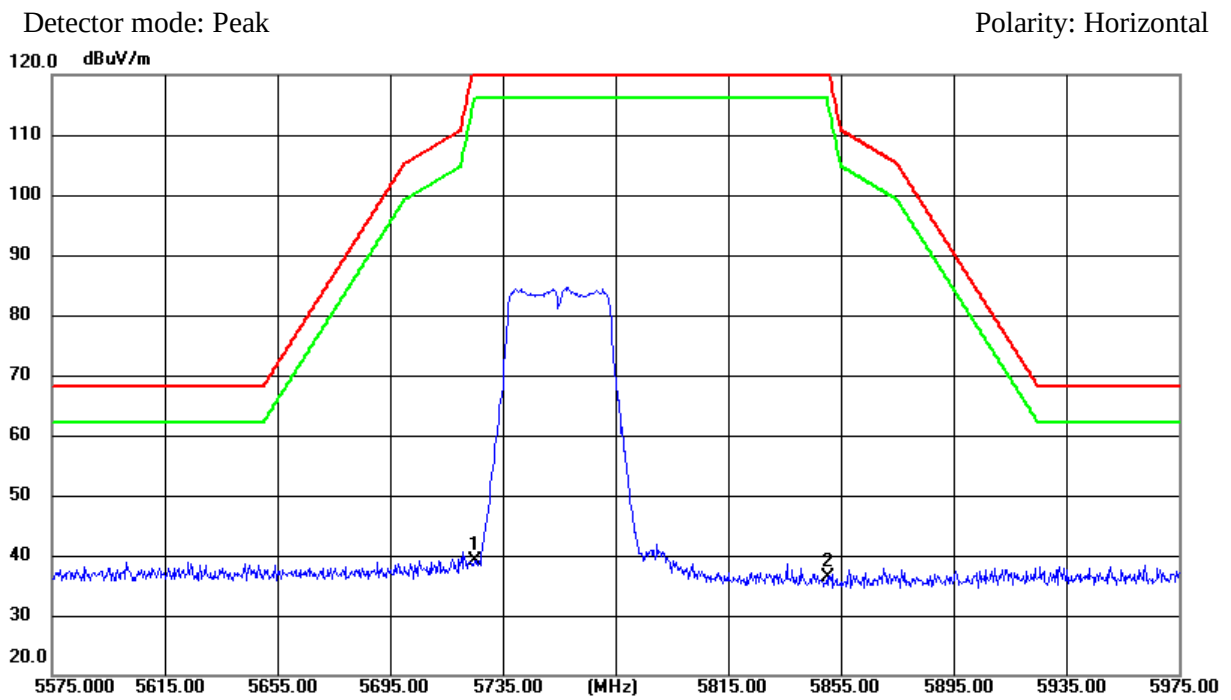
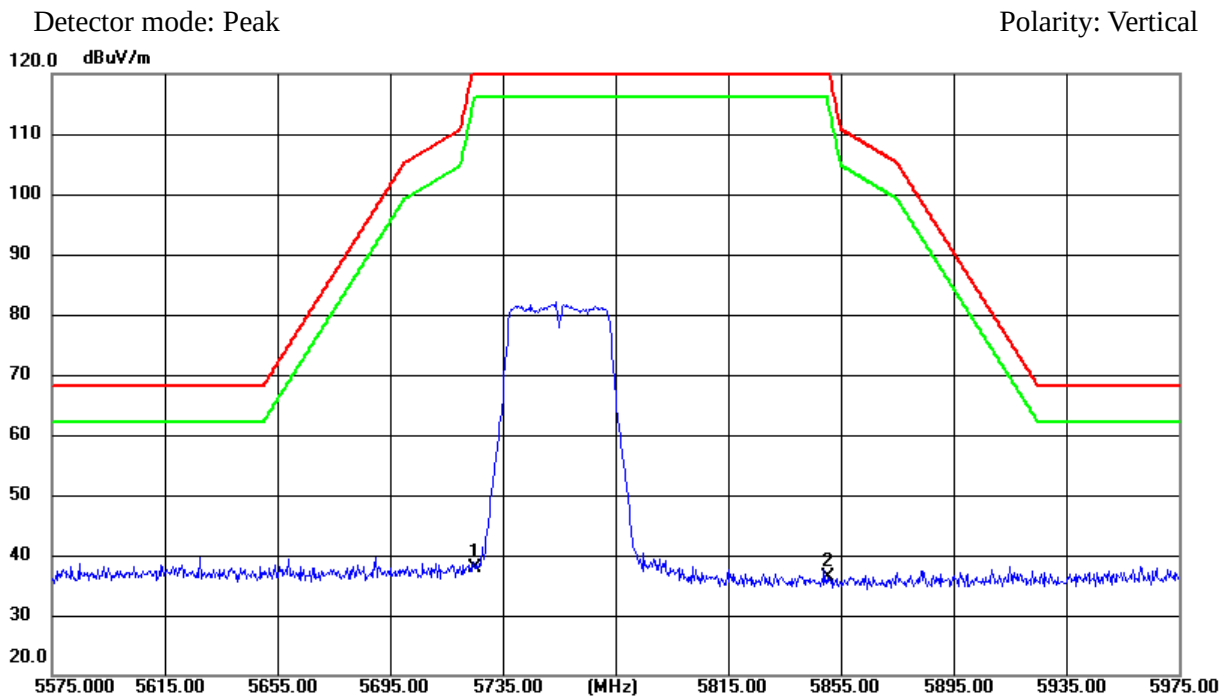
EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	802.11n40(5G) CH 159		
Test Date :	2021-07-12		
Note :	In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.		

Freq. (MHz)	Ant.Pol. H/V	Reading (dBuv)	Ant/CF (dB)	Act (dBuv/m)	Limit (dBuv/m)	Note
5725.000	V	34.67	3.95	38.62	122.20	CH 159
5850.000	V	31.25	3.96	35.21	122.20	CH 159
5725.000	H	33.93	3.95	37.88	122.20	CH 159
5850.000	H	31.53	3.96	35.49	122.20	CH 159



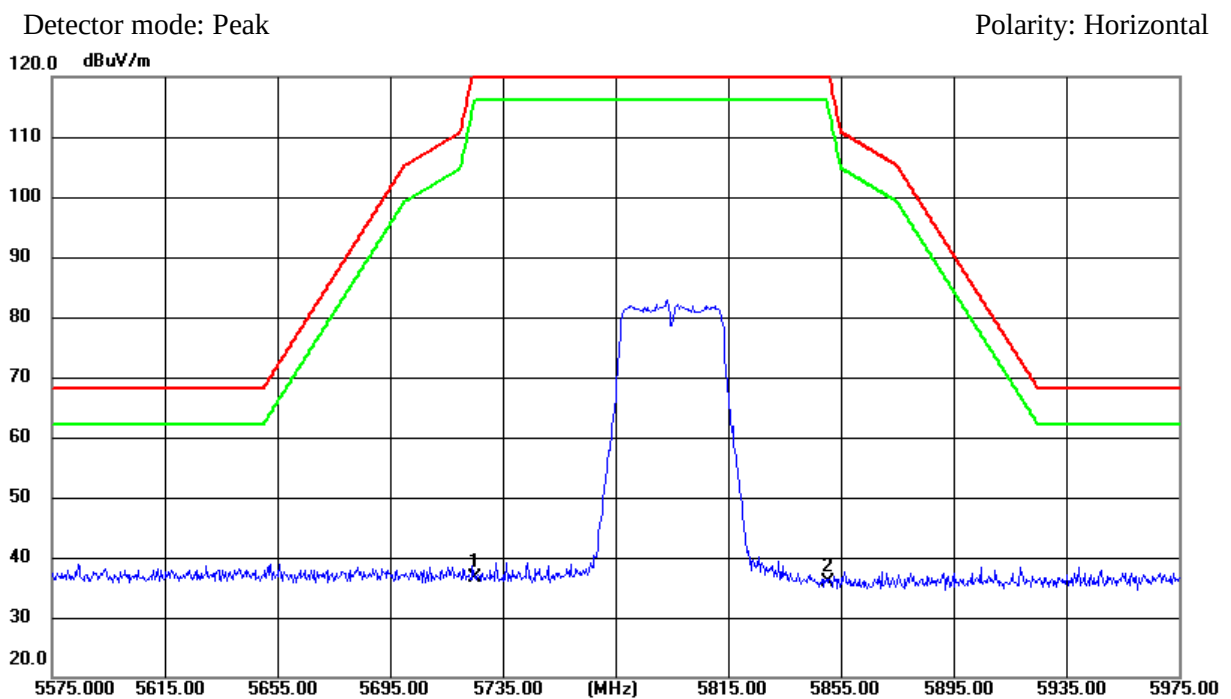
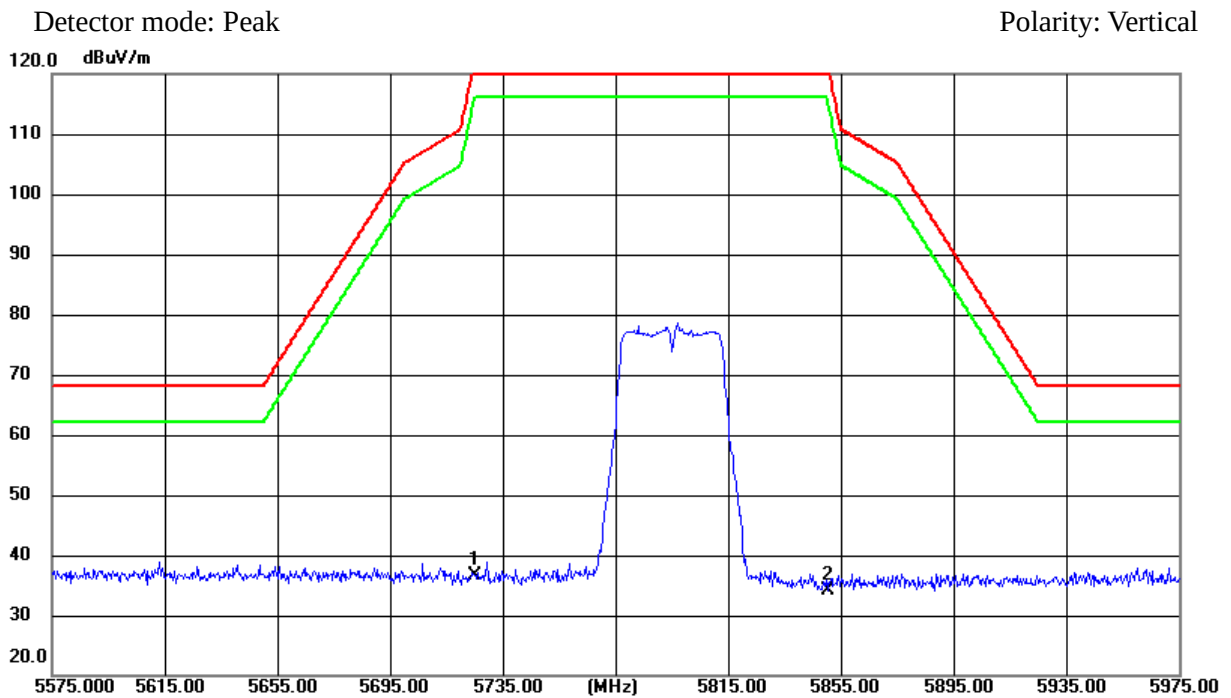
EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	802.11ac40(5G) CH 149		
Test Date :	2021-07-12		
Note :	In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.		

Freq. (MHz)	Ant.Pol. H/V	Reading (dBuv)	Ant/CF (dB)	Act (dBuv/m)	Limit (dBuv/m)	Note
5725.000	V	33.92	3.95	37.87	122.20	CH 149
5850.000	V	32.33	3.96	36.29	122.20	CH 149
5725.000	H	35.13	3.95	39.08	122.20	CH 149
5850.000	H	32.32	3.96	36.28	122.20	CH 149



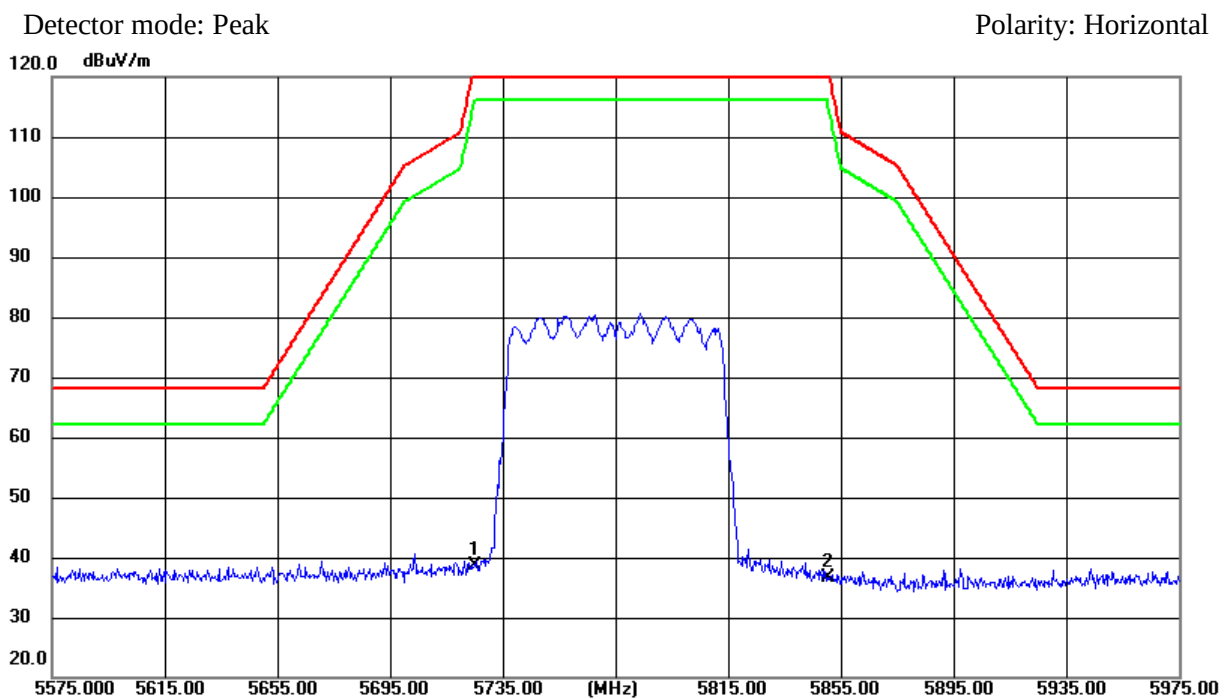
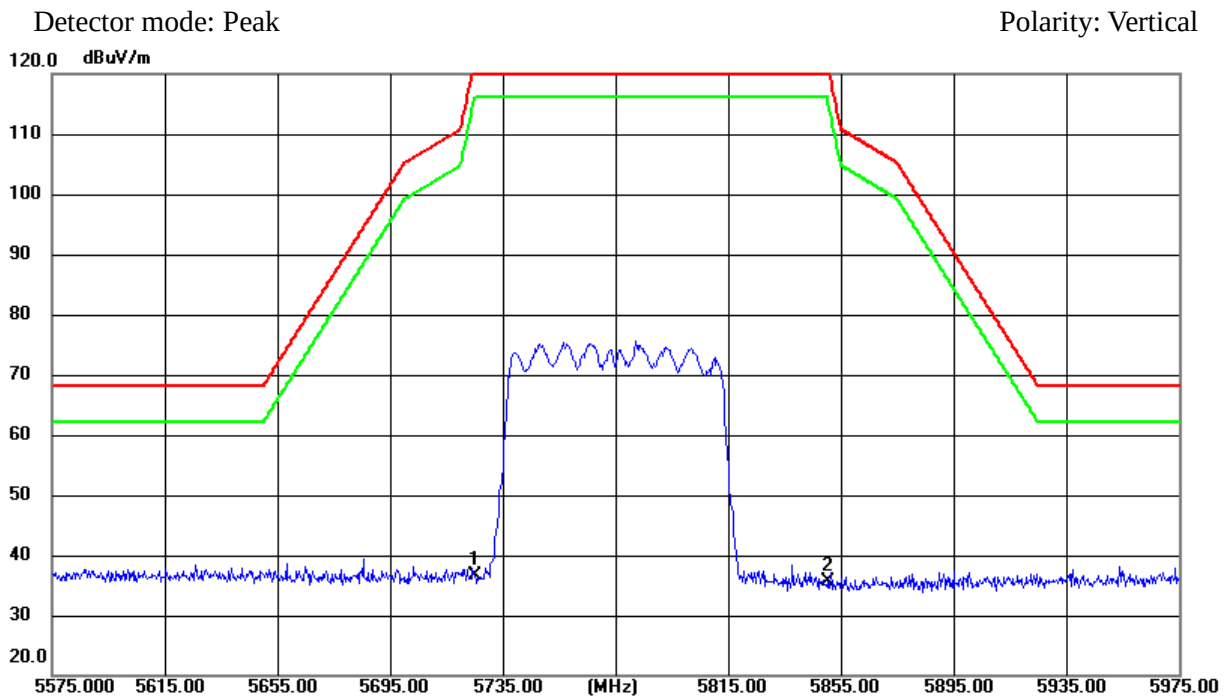
EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	802.11ac40(5G) CH 159		
Test Date :	2021-07-12		
Note :	In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.		

Freq. (MHz)	Ant.Pol. H/V	Reading (dBuv)	Ant/CF (dB)	Act (dBuv/m)	Limit (dBuv/m)	Note
5725.000	V	32.67	3.95	36.62	122.20	CH 159
5850.000	V	30.23	3.96	34.19	122.20	CH 159
5725.000	H	32.60	3.95	36.55	122.20	CH 159
5850.000	H	31.81	3.96	35.77	122.20	CH 159



EUT :	智慧投影機	Model Name :	SP1e
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC7.4V from battery
Test Mode :	802.11 AC80(5G) CH 155		
Test Date :	2021-07-12		
Note :	In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.		

Freq. (MHz)	Ant.Pol. H/V	Reading (dBuv)	Ant/CF (dB)	Act (dBuv/m)	Limit (dBuv/m)	Note
5725.000	V	32.52	3.95	36.47	122.20	CH 155
5850.000	V	31.52	3.96	35.48	122.20	CH 155
5725.000	H	34.67	3.95	38.62	122.20	CH 155
5850.000	H	32.74	3.96	36.70	122.20	CH 155



8. ANTENNA REQUIREMENT

8.1 Standard requirement

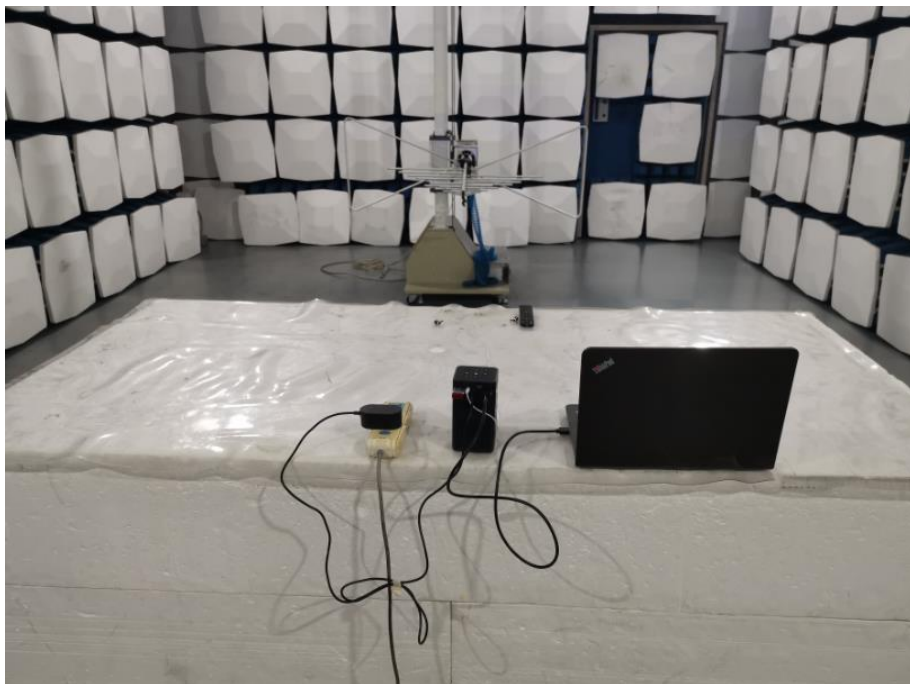
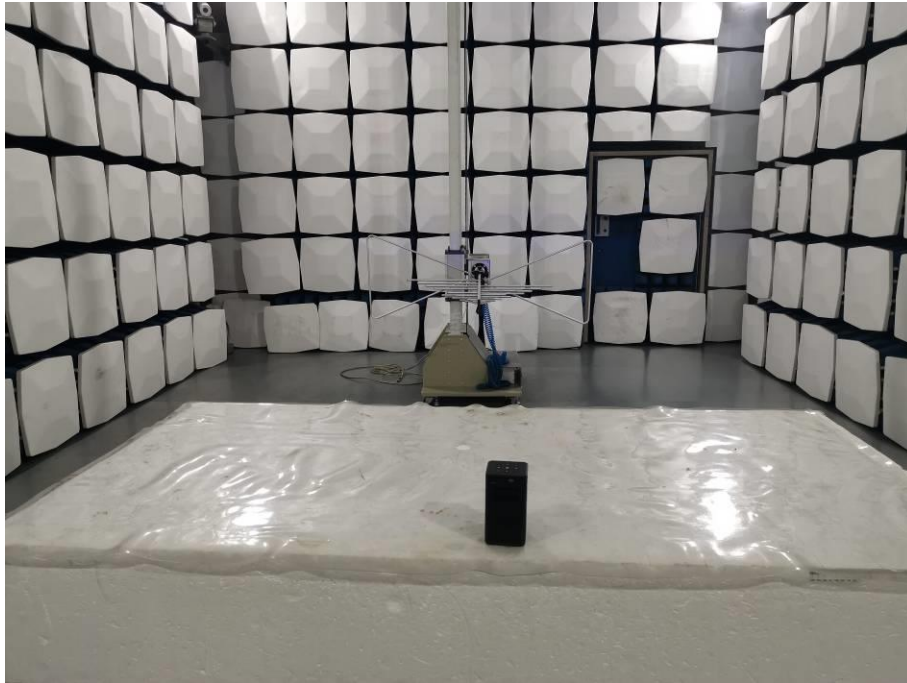
4.10.3.1.1 requirement: Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

8.2 EUT Antenna

The antenna is PCB Antenna and no consideration of replacement. Antenna max. gain refer to page 9.

9. EUT TEST PHOTO

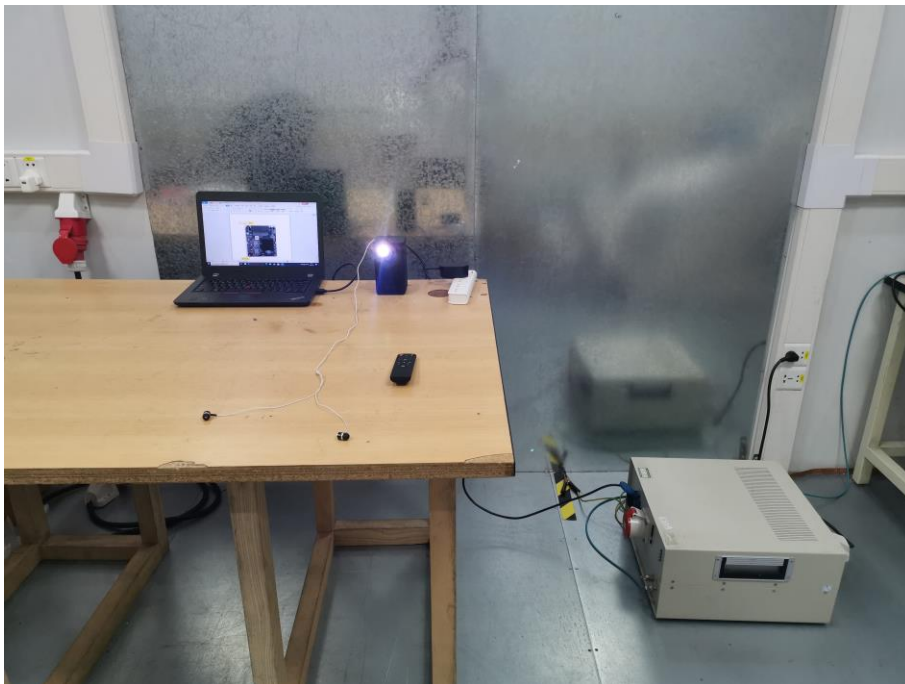
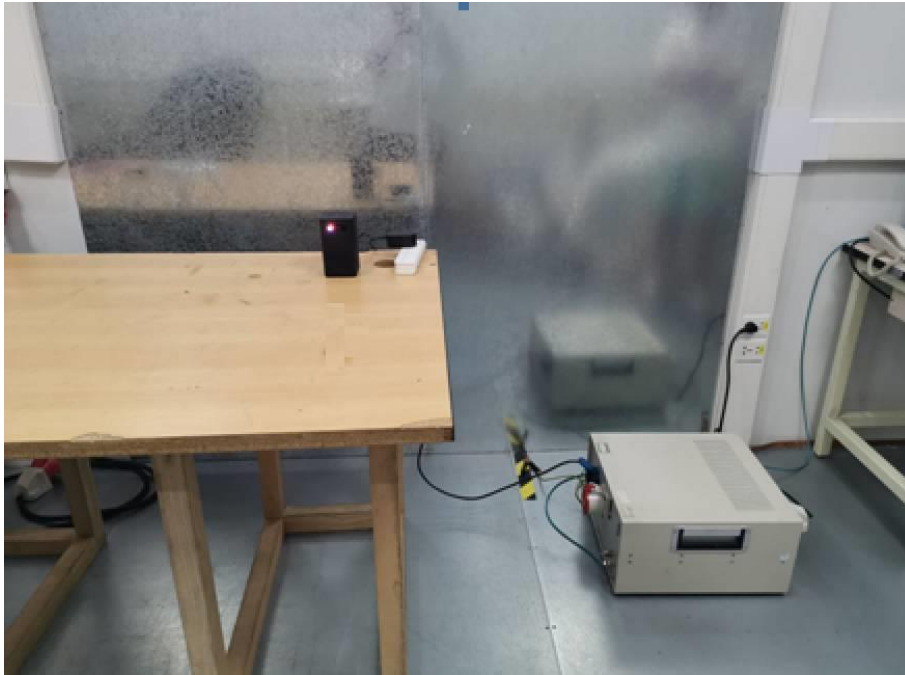
Radiated Measurement Photos
30MHz-1GHz



Radiated Measurement Photos
Above 1GHz



Conducted Measurement Photos



10 . APPENDIX-Photographs of EUT Constructional Details

Please refer to report APPENDIX.

**** End of Report ****