

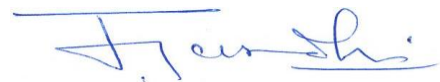
NCC RADIO TEST REPORT

Product name	ANAFI USA
Applicant	PARROT DRONES SAS
Manufacture	PARROT DRONES SAS
Rating(s)	DC5V from adapter or DC11.55V from battery
Trademark	Parrot
Model and/or type reference	anamk3
Standard	LP0002:2020
Test Result	PASS

Date of receipt : 03-15-2021

Date of Issue : 04-30-2021

Signature:



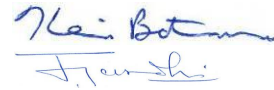
NCC RADIO TEST REPORT

Report Reference No.: M210430N04-03

Compiled by (+ signature)..... Kevin Bothmann

Approved by (+ signature)..... Jay Gandhi

Date of issue: 2021-04-30



Applicant's name.....: PARROT DRONES SAS

Address.....: 174-178 quai de Jemmapes 75010 Paris France

Manufacture's Name.....: PARROT DRONES SAS

Address.....: 174-178 quai de Jemmapes 75010 Paris France

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: ANAFI USA

Trademark : Parrot

Model and/or type reference: anamk3

Rating(s): DC5V from adapter or DC11.55V from battery

Testing Laboratory information:

Testing Laboratory Name: Electro Magnetic Test, Inc.

Address: 1547 Plymouth Street, Mountain View, CA 94043

CAB Identifier Number: US0036

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Testing

Date of receipt of test item.....: Mar. 15, 2021

Date (s) of performance of tests.....: Mar. 15~ Apr. 25, 2021

Date of Issue: Apr. 30, 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	ANAFI USA	
Trade Name	PARROT	
Model Name	anamk3	
Serial Model Name	N/A	
Product Description	The EUT is a ANAFI USA.	
	Operation Frequency:	5725 ~ 5850 MHz
	Modulation Type:	802.11a/n (HT20) : OFDM (64QAM, 16QAM, QPSK, BPSK)
	Bit Rate of Transmitter	802.11a:54/48/36/24/18/12/9/6Mbps 802.11n: up to 300Mbps
	Number Of Channel	802.11a/n/ac(20MHz):5CH
	Output Power:	Bandwidth 20MHz: 802.11a: 16.43Bm 802.11n 20: 15.19dBm Bandwidth 10MHz: 802.11a: 13.46Bm 802.11n 20: 14.21dBm
	Antenna Designation:	Please see Note 6.
	Antenna Gain(Peak)	2.5 dBi
Channel List	Please refer to the Note 5.	
Power Rating	DC5V from adapter or DC11.55V 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. The EUT has four antennas. Antenna 1 is the Front Left Antenna; Antenna 2 is the Front Right Antenna; Antenna 3 is the Back Left Antenna; Antenna 4 is the Back Right Antenna.
3. Device is a just a 2x2 MIMO system. Antenna 1& 2, Antenna 1&3, Antenna 3& 4, Antenna 2& 4 can transmit simultaneously. Device does not support 3TX & 4TX mode.
4. The maximum antenna gain is 3dBi, the device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

$$\text{Array Gain} = 0 \text{ dB (i.e., no array gain) for } N_{\text{ANT}} \leq 4;$$

$$\text{So: Directional gain} = G_{\text{ANT}} + \text{Array Gain} = 2.5\text{dBi} < 6\text{dBi}$$

5. 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	-	-	-	-	-	-

6. Table for Filed Antenna

Ant	Manufacture/ Trade	Model Name	Antenna Type	Connector	Gain (dBi)
1	Parrot	anamk3	Integral antenna	N/A	2.4G WIFI:3.5dBi 5.2GHz:3.0dBi 5.8G GHz:2.5dBi
2	Parrot	anamk3	Integral antenna	N/A	2.4G WIFI:3.5dBi 5.2GHz:3.0dBi 5.8G GHz:2.5dBi
3	Parrot	anamk3	Integral antenna	N/A	2.4G WIFI:3.5dBi 5.2GHz:3.0dBi 5.8G GHz:2.5dBi
4	Parrot	anamk3	Integral antenna	N/A	2.4G WIFI:3.5dBi 5.2GHz:3.0dBi 5.8G GHz:2.5dBi

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 20 CH149/ CH157/ CH 165
Mode 2	RX

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

For Radiated Emission	
Final Test Mode	Description (worst-case)
Mode 1	802.11a /n 20 CH149/ CH157/ CH 165
Mode 2	RX

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) This product can be powered by adapter or battery, have pretested both power supply modes, found to be the worst case is powered by the battery, and recorded the data in the report.

Test software Version	V1.2.5	Test program:	QRCT3
Frequency	5745MHz	5785 MHz	5825MHz

Mode	Power setting
802.11 a/n	16
802.11 ac	15

1. After installing the driver, connect the computer with USB, Open the CMD window of your computer and enter the following 2 commands twice : "adb shell", "start_qcom_ftm.sh".
2. Open the "QRCT3" test software, Click on "Target" and select "APQ" Click on "FTM Command", Click on "COM Port" to release it.
3. Click on triangle beside "COM Port" and select "COM7 (or another detected)
4. Click on "Select BDF" then select file "bdwlan30.bin" situated on desktop/platform-tools, Then click on "LOAD DUT" and new window "Tx" opens with "transmitter settings"

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

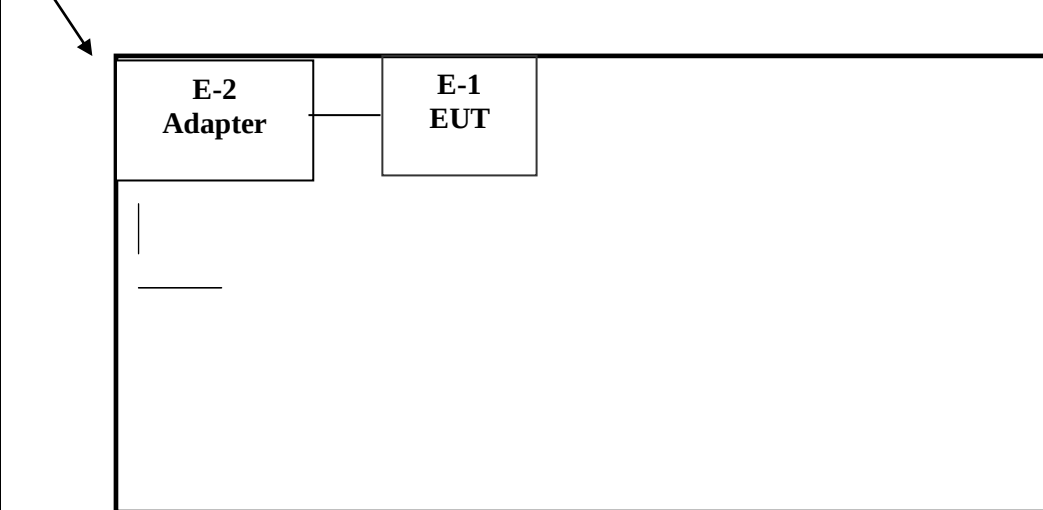
Block diagram of EUT configuration

CONDUCTED EMISSION

Test mode: mode 1

Non-Conductive Table

80cm above Ground Plane



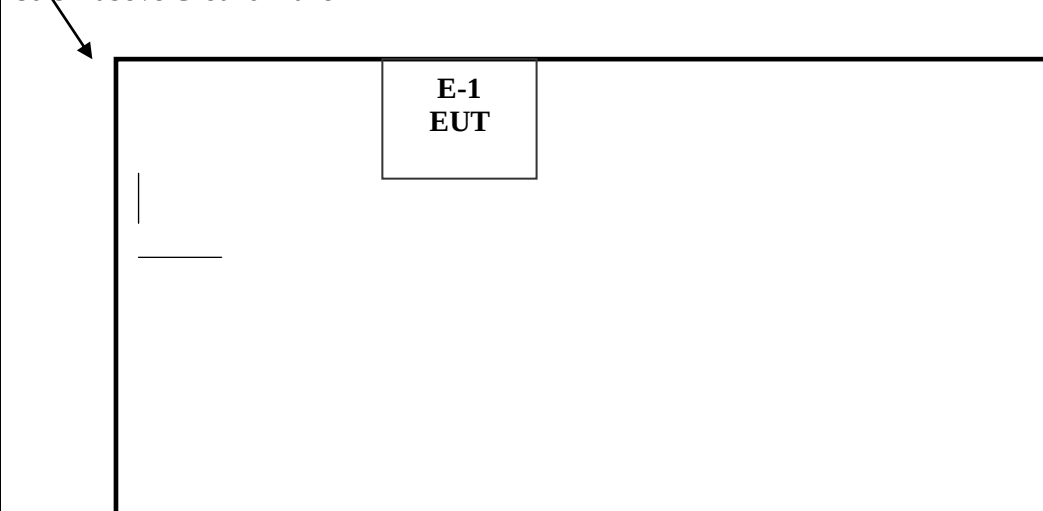
Block diagram of EUT configuration

RADIATED EMISSION

Test mode: mode 1, 2

Non-Conductive Table

80cm above Ground Plane



2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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	ANAFI USA	Parrot	anamk3	N/A	N/A	EUT
E-2	Adapter	NOKIA	FC0302	N/A	N/A	Test Accessory*

Item	Equipment	Mfr/Brand	Model/Type No.	Note
1	USB Type-C Line	UGREEN	T2437	Test Accessory* Line length: 0.8m
2	Rechargeable Li-ion Battery	Parrot	anamk3	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, 2020	1 Year
RF Preselector	Hewlett Packard	85685A	3010A01157	April 29, 2020	1 Year
Quasi-Peak Adapter	Hewlett Packard	85650	2521A00584	April 29, 2020	1 Year
Preamplifier	Com Power	PA-102	1482	April 29, 2020	1 Year
RF Attenuator	Mini-Circuits	CAT-10	Asset #1000	September 09, 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	December 29, 2020	1 Year
Biconical Antenna	Com Power	AB-100	01557	December 22, 2020	1 Year
Log Periodic Antenna	Com Power	AL-100	16037	December 22, 2020	1 Year
Horn Antenna	Com Power	AHA-118	711054	September 09, 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 (Continued)

EQUIPMENT TYPE	MANU-FACTURER	MODEL NUMBER	SERIAL NUMBER	CAL. DATE	CAL. CYCLE
EMI Receiver	Rohde & Schwarz	ESU40	100127	June 12, 2020	1 Year
BiConiLog Antenna	ETS-Lindgren	3142D	00102183	August 14, 2020	1 Year
Horn Antenna (1GHz-18GHz)	ETS-Lindgren	3117	00109294	May 6, 2020	1 Year
Horn Antenna (15GHz-40GHz)	SCHWARZBECK	BBHA 9170	BBHA9170242	May 6, 2020	1 Year
Preamplifier	Rohde & Schwarz	TS-PR18	100056	June 12, 2020	1 Year
Pre-Amplifier	Agilent	8449B	3008A00409	June 12, 2020	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, 2020	1 Year

2.5. ON TIME, DUTY CYCLE AND MEASUREMENT METHODS

2.5.1 LIMITS

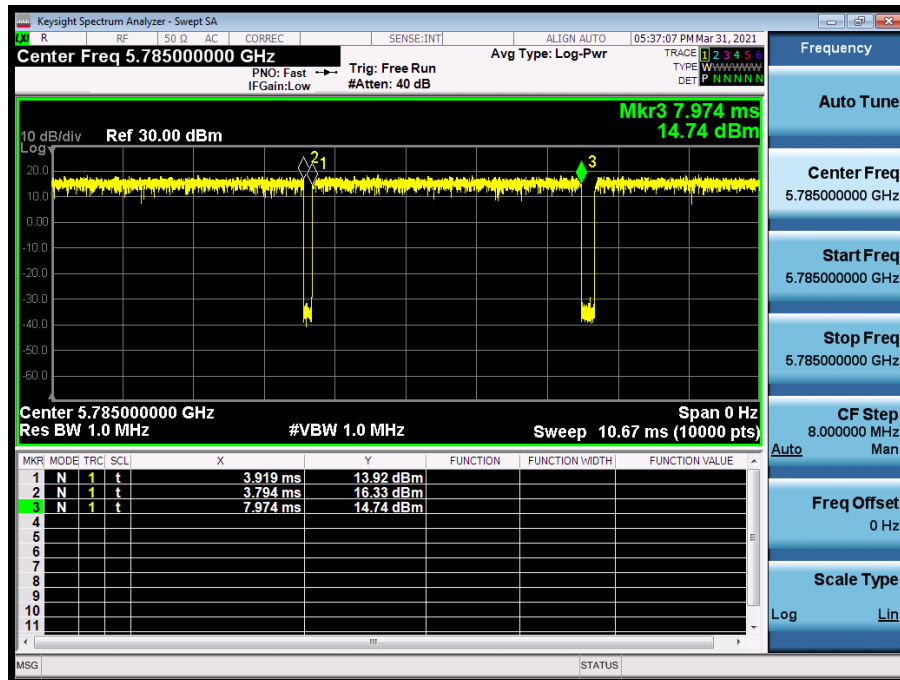
None; for reporting purposes only.

2.5.2 ON TIME AND DUTY CYCLE RESULTS

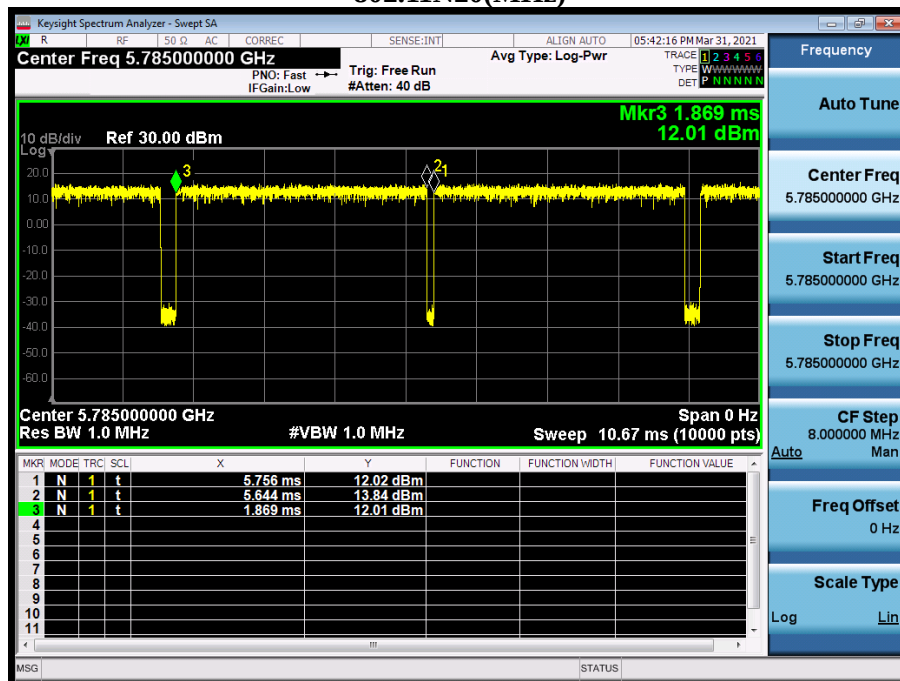
Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	10log(1/x)Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
Bandwidth 10MHz						
802.11a	4.055	4.180	0.970	97.01%	0.132	0.247
802.11N20(MHz)	3.775	3.887	0.971	97.12%	0.127	0.265
Bandwidth 20MHz						
802.11a	2.027	2.135	0.949	94.94%	0.226	0.493
802.11N20(MHz)	1.888	2.004	0.942	94.21%	0.259	0.530

Bandwidth 10MHz

802.11a

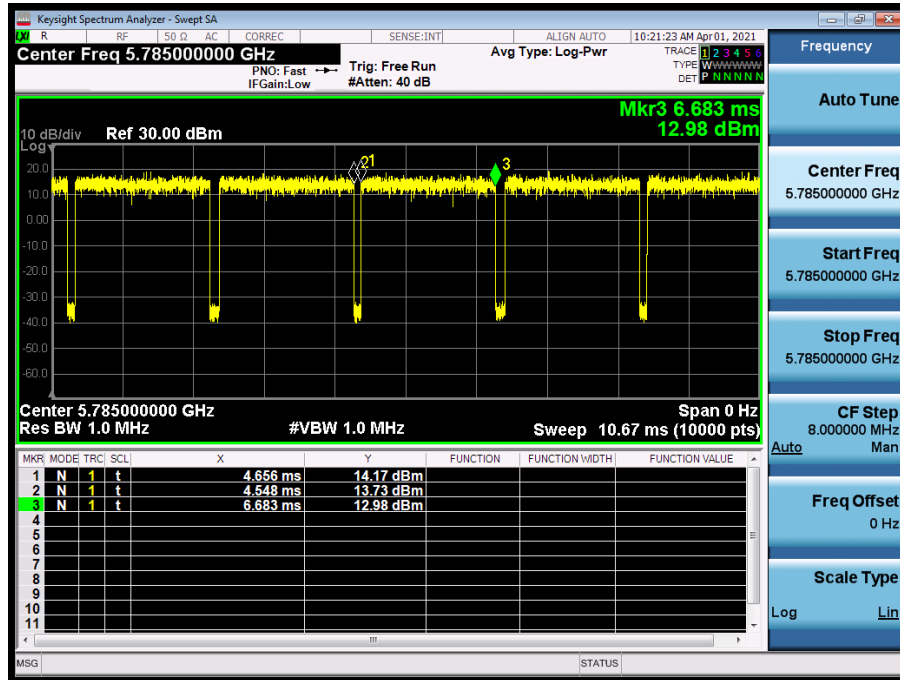


802.11N20(MHz)

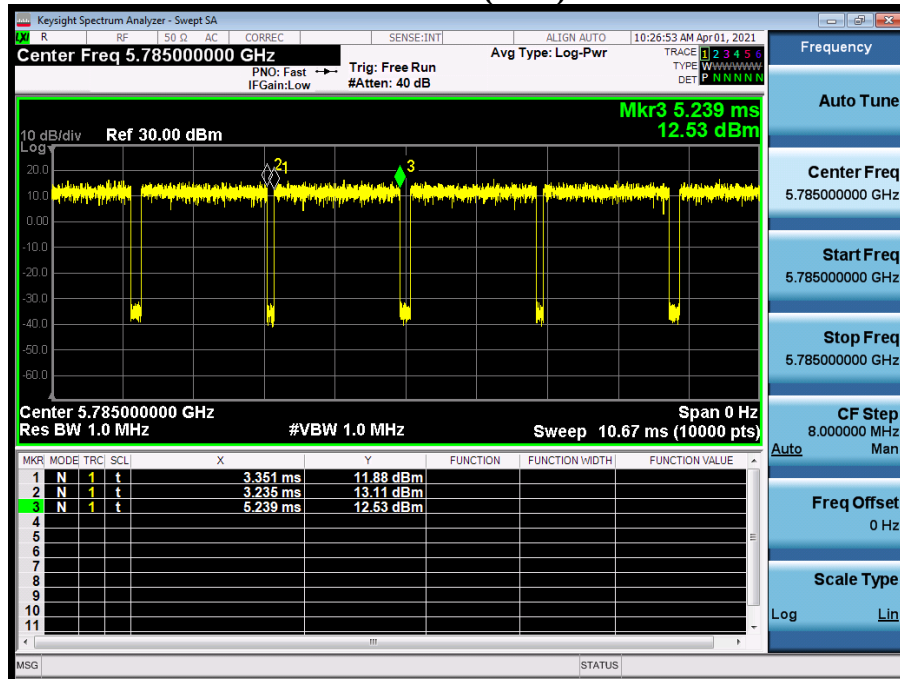


Bandwidth 20MHz

802.11a



802.11N20(MHz)



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

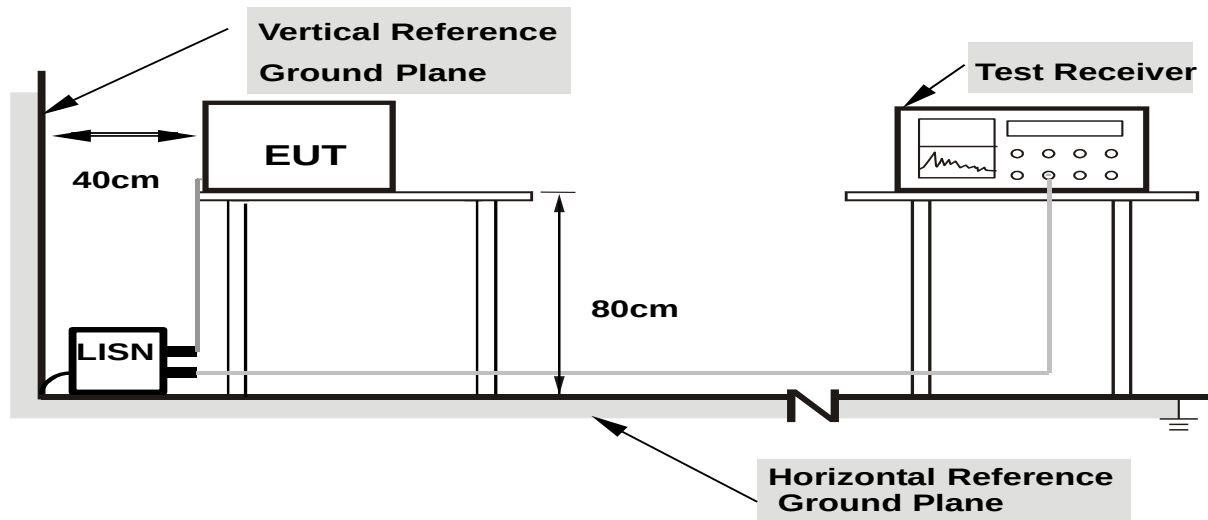
TEST PROCEDURE

- 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

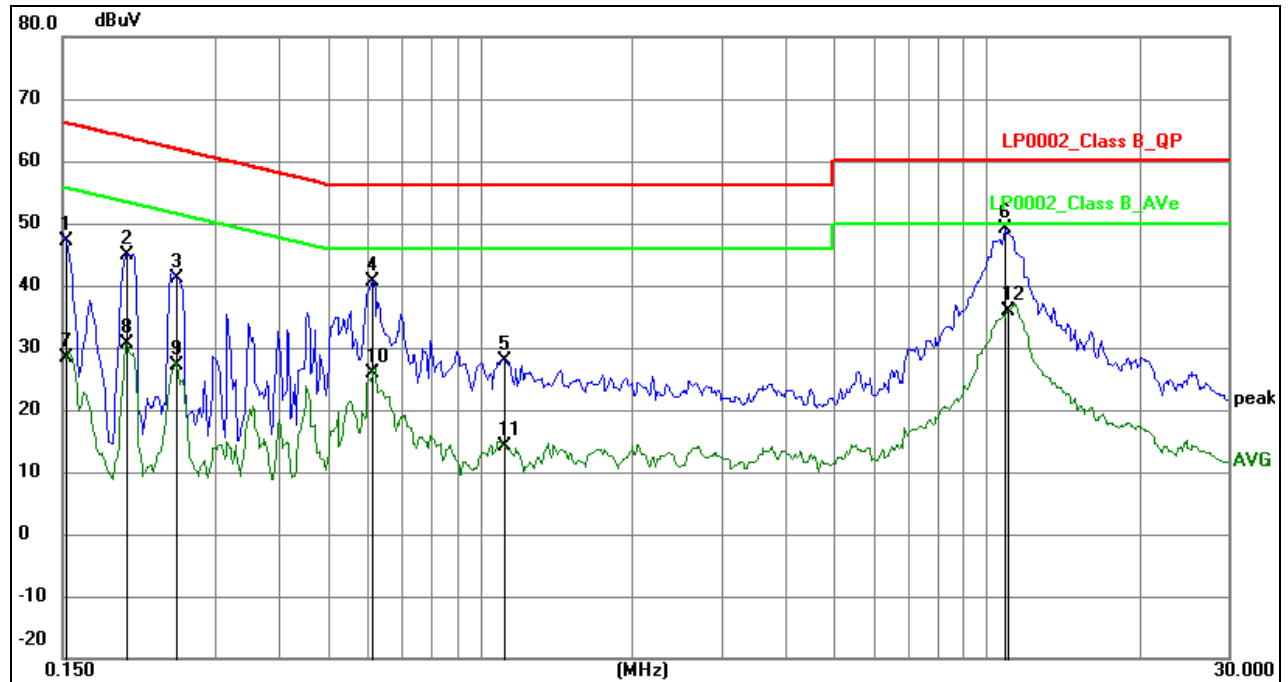


Note: 1.Support units were connected to second LISN.

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

TEST RESULTS

EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2021-04-21
Test Mode :	TX(worst case)	Phase :	L
Test Voltage :	AC 110V/60Hz for Adapter		

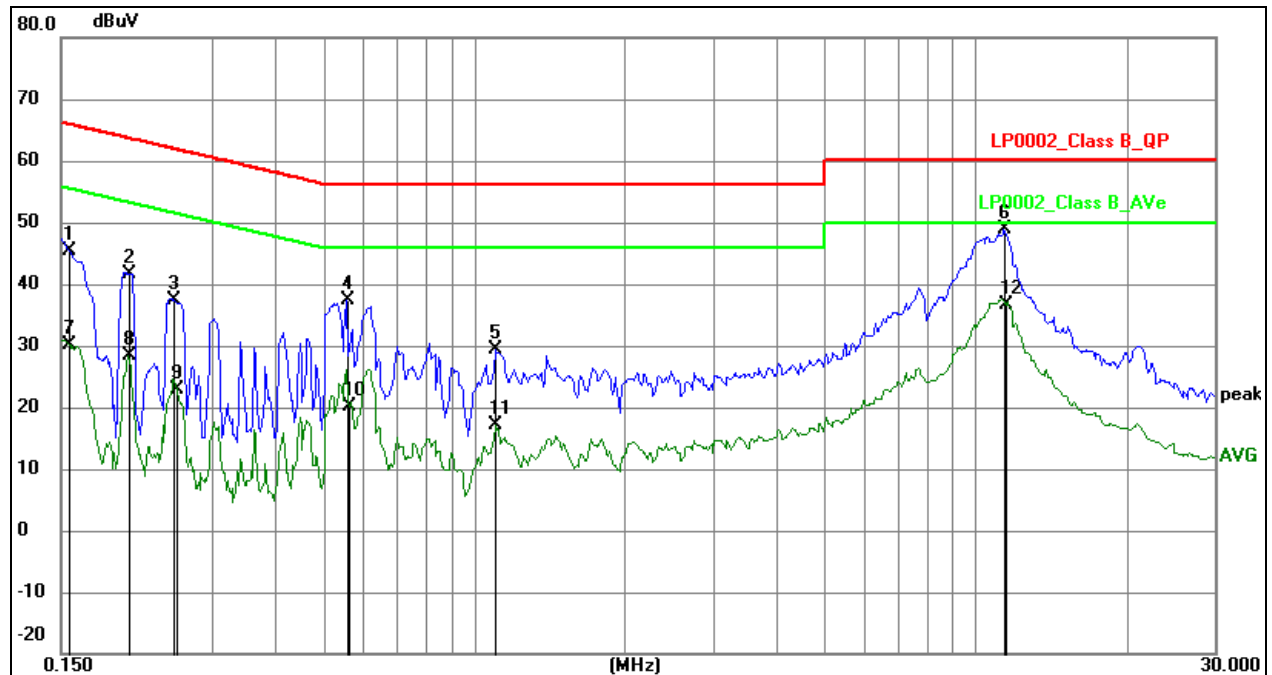


Remark:

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	0.1524	37.41	9.78	47.19	65.87	-18.68	peak	P
2	0.2006	35.01	9.75	44.76	63.59	-18.83	peak	P
3	0.2519	31.50	9.75	41.25	61.69	-20.44	peak	P
4	0.6139	30.95	9.78	40.73	56.00	-15.27	peak	P
5	1.1169	18.17	9.79	27.96	56.00	-28.04	peak	P
6	10.8932	39.01	10.20	49.21	60.00	-10.79	peak	P
7	0.1524	18.69	9.78	28.47	55.87	-27.40	AVG	P
8	0.2006	20.77	9.75	30.52	53.59	-23.07	AVG	P
9	0.2519	17.48	9.75	27.23	51.69	-24.46	AVG	P
10	0.6139	16.22	9.78	26.00	46.00	-20.00	AVG	P
11	1.1169	4.35	9.79	14.14	46.00	-31.86	AVG	P
12	11.0067	25.67	10.20	35.87	50.00	-14.13	AVG	P

EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	1010hPa	Test Date :	2021-04-21
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	0.1554	35.56	9.78	45.34	65.71	-20.37	peak	P
2	0.2048	31.85	9.75	41.60	63.41	-21.81	peak	P
3	0.2519	27.57	9.75	37.32	61.69	-24.37	peak	P
4	0.5554	27.52	9.77	37.29	56.00	-18.71	peak	P
5	1.1050	19.49	9.79	29.28	56.00	-26.72	peak	P
6	11.4084	38.74	10.22	48.96	60.00	-11.04	peak	P
7	0.1554	20.45	9.78	30.23	55.71	-25.48	AVG	P
8	0.2046	18.69	9.75	28.44	53.42	-24.98	AVG	P
9	0.2553	13.20	9.75	22.95	51.58	-28.63	AVG	P
10	0.5637	10.41	9.77	20.18	46.00	-25.82	AVG	P
11	1.1052	7.42	9.79	17.21	46.00	-28.79	AVG	P
12	11.4983	26.47	10.23	36.70	50.00	-13.30	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

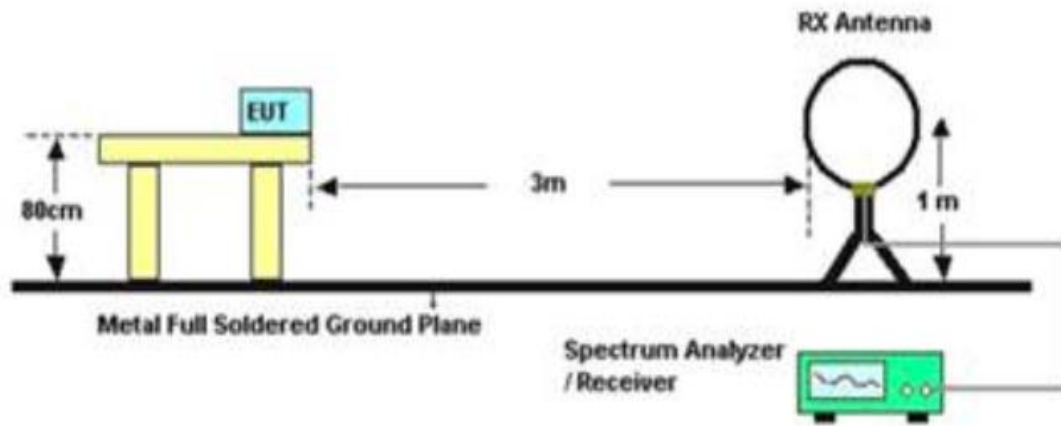
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

TEST PROCEDURE

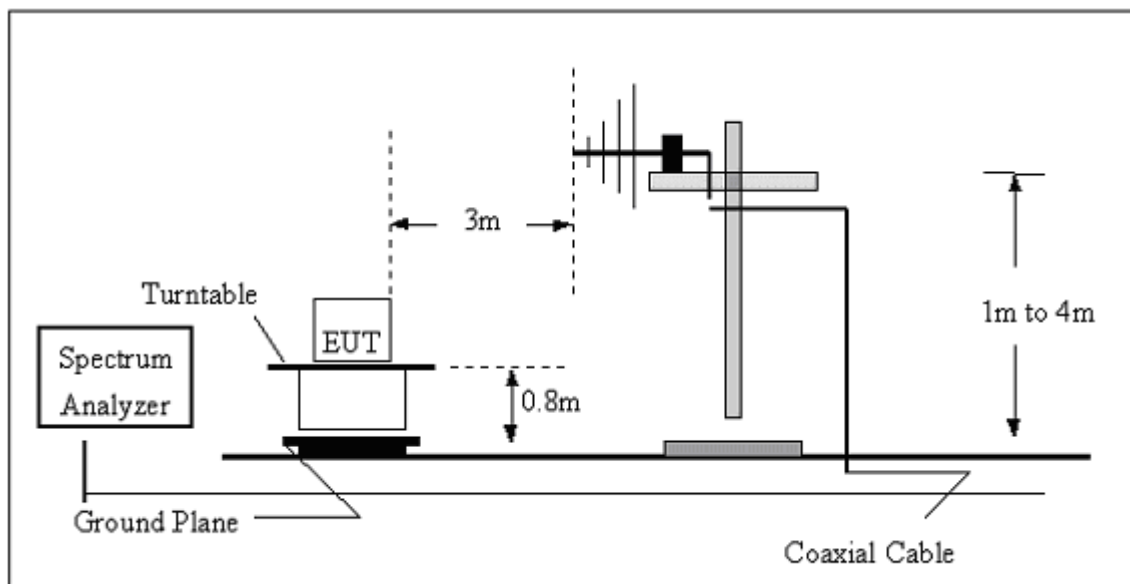
- The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 or 1.5 meters above the ground at a 3 meter open area test site. The table was rotated 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

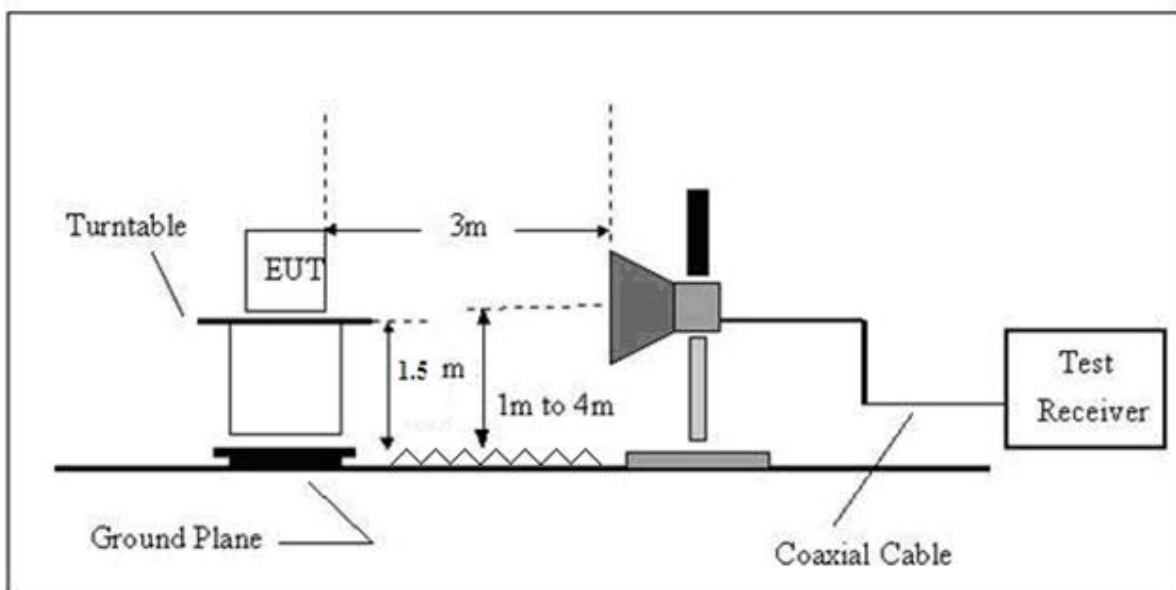
(A) Radiated Emission Test-Up Frequency Below 30MHz



(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 :	ANAFI USA	Model Name. :	anamk3
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2021-04-21
Test Mode :	TX	Polarization :	--

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

NOTE:

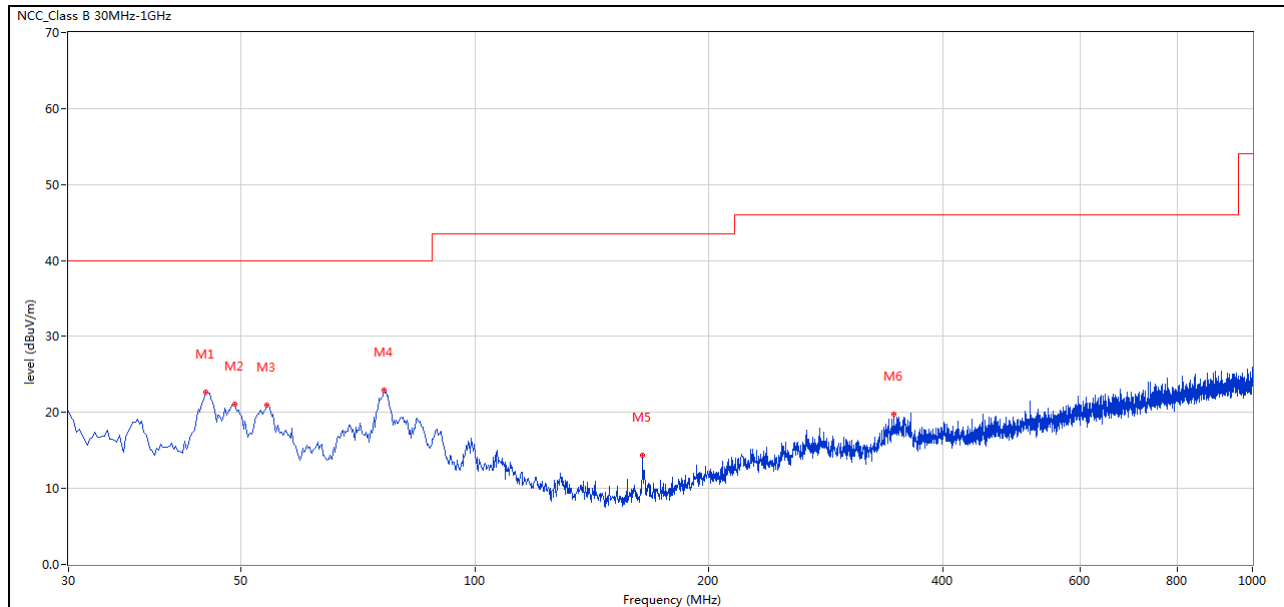
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

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

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

BETWEEN30 – 1000 MHZ

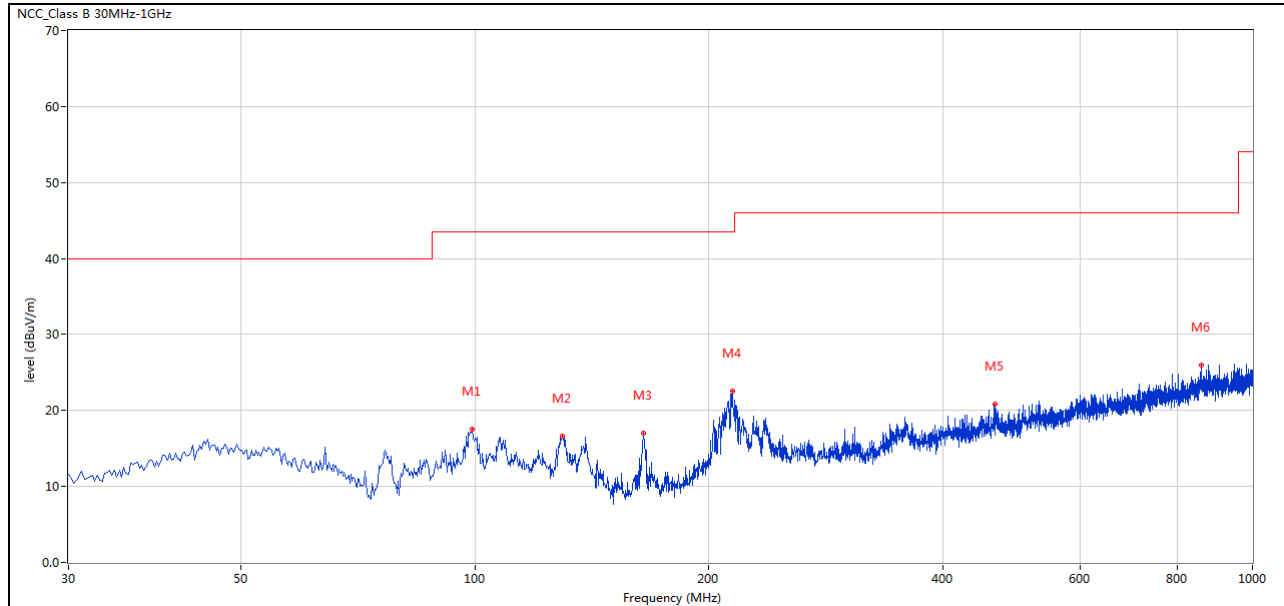
EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11a (worst case)	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		



Remark: 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	45.031	22.62	-11.41	40.0	-17.38	Peak	Vertical	Pass
2	49.153	21.15	-11.24	40.0	-18.85	Peak	Vertical	Pass
3	54.001	20.93	-11.54	40.0	-19.07	Peak	Vertical	Pass
4	76.306	22.94	-17.58	40.0	-17.06	Peak	Vertical	Pass
5	164.311	14.36	-16.27	43.5	-29.14	Peak	Vertical	Pass
6	345.899	19.77	-9.49	46.0	-26.23	Peak	Vertical	Pass

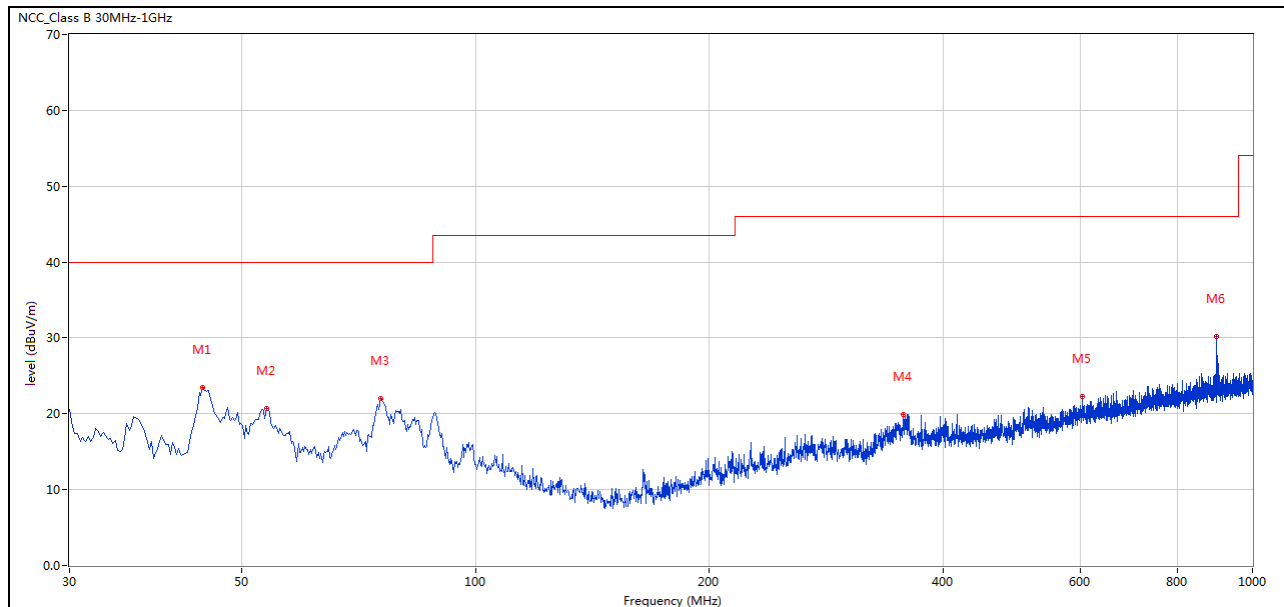
EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11a(worst case)	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		



Remark: 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	99.095	17.59	-13.66	43.5	-25.91	Peak	Horizontal	Pass
2	129.643	16.65	-16.80	43.5	-26.85	Peak	Horizontal	Pass
3	164.796	17.06	-16.23	43.5	-26.44	Peak	Horizontal	Pass
4	214.496	22.49	-13.58	43.5	-21.01	Peak	Horizontal	Pass
5	466.876	20.85	-7.75	46.0	-25.15	Peak	Horizontal	Pass
6	860.355	25.93	-2.38	46.0	-20.07	Peak	Horizontal	Pass

EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2020-03-20
Test Mode :	RX	Polarization :	Vertical
Test Power :	DC11.55V from battery		
Test Date :	2021-04-21		

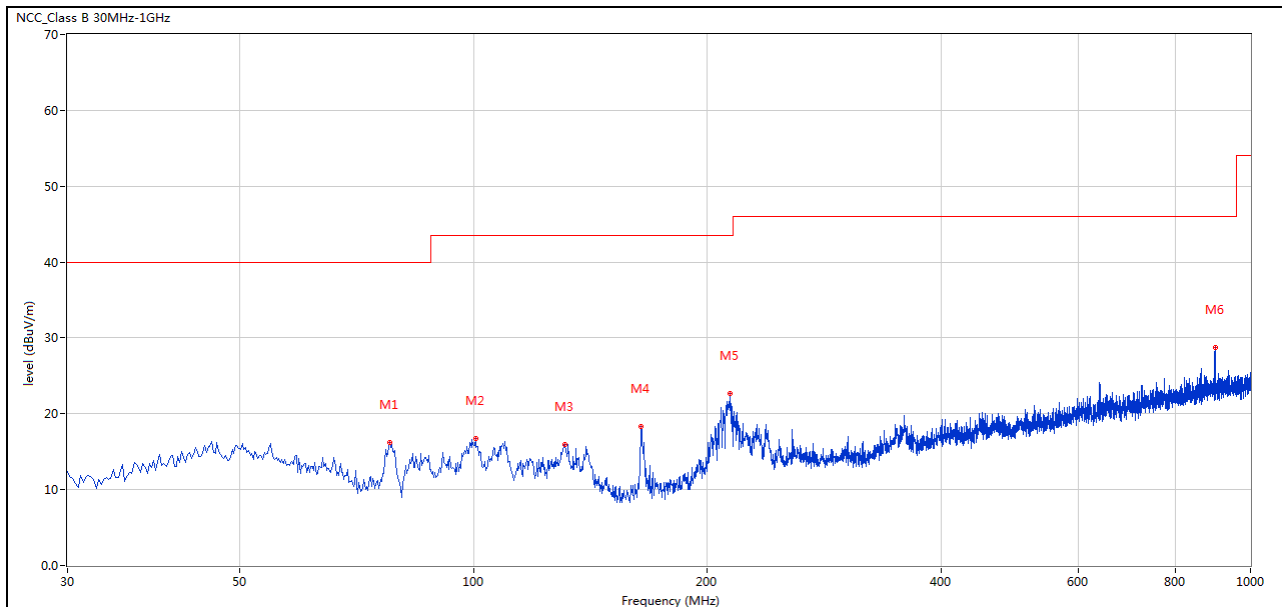


Remark:

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	43.66	23.02	-11.44	40.0	-16.98	Peak	Vertical	Pass
2	53.74	20.65	-11.53	40.0	-19.35	Peak	Vertical	Pass
3	75.12	21.14	-17.45	40.0	-18.86	Peak	Vertical	Pass
4	354.27	19.45	-9.42	46.0	-26.55	Peak	Vertical	Pass
5	603.24	21.87	-5.04	46.0	-24.13	Peak	Vertical	Pass
6	899.04	29.350	-1.85	46.0	-16.65	Peak	Vertical	Pass

EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2020-03-20
Test Mode :	RX	Polarization :	Horizontal
Test Power :	DC11.55V from battery		
Test Date :	2021-04-21		



Remark:

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

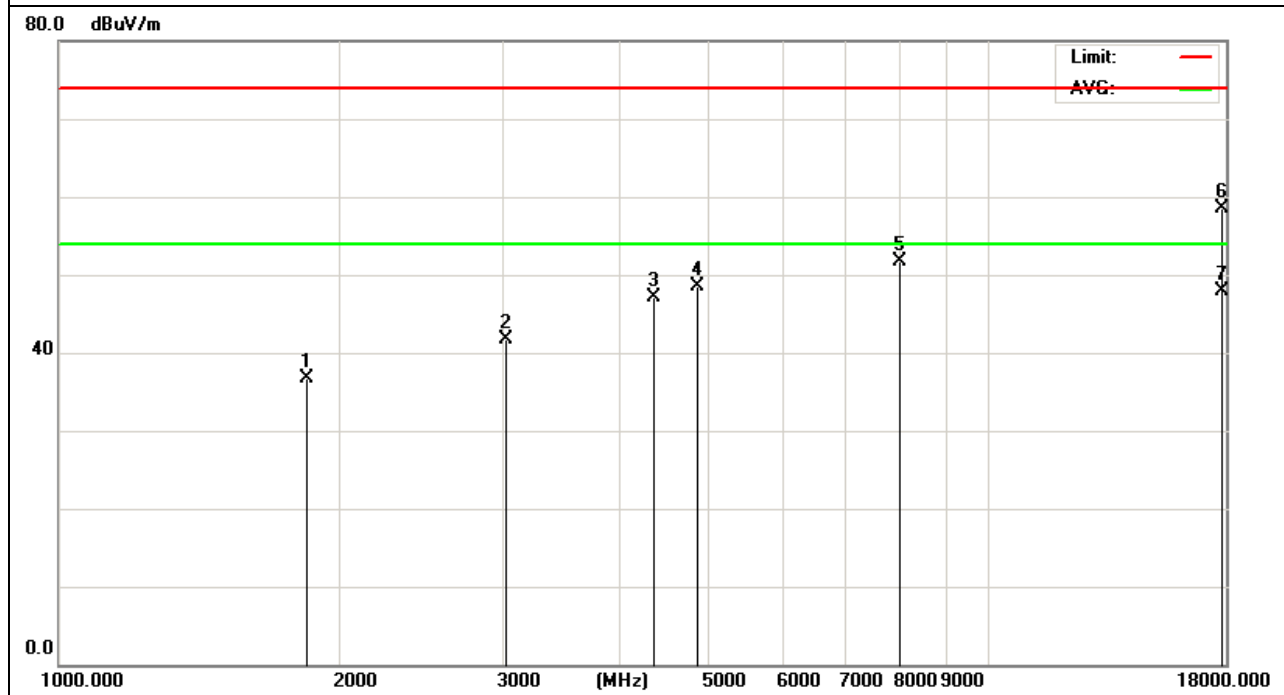
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1	77.64	15.38	-17.52	40.0	-24.62	Peak	Horizontal	Pass
2	100.46	16.01	-13.48	43.5	-27.49	Peak	Horizontal	Pass
3	130.12	15.11	-16.83	43.5	-28.39	Peak	Horizontal	Pass
4	163.82	17.42	-16.27	43.5	-26.08	Peak	Horizontal	Pass
5	213.34	21.86	-13.60	43.5	-21.64	Peak	Horizontal	Pass
6	899.77	28.24	-1.86	46.0	-17.76	Peak	Horizontal	Pass

3.2.5 TEST RESULTS (ABOVE 1000 MHZ)

EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11a-Low Channel (worst case)	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1841.103	46.88	-9.42	37.46	74.00	-36.54	peak
3025.227	43.76	-1.62	42.14	74.00	-31.86	peak
4366.467	42.63	4.46	47.09	74.00	-26.91	peak
4855.554	43.86	5.11	48.97	74.00	-25.03	peak
8011.324	42.35	10.40	52.75	74.00	-21.25	peak
17745.621	34.19	24.86	59.05	74.00	-14.95	peak
17745.624	24.16	24.86	49.02	54.00	-4.98	AVG

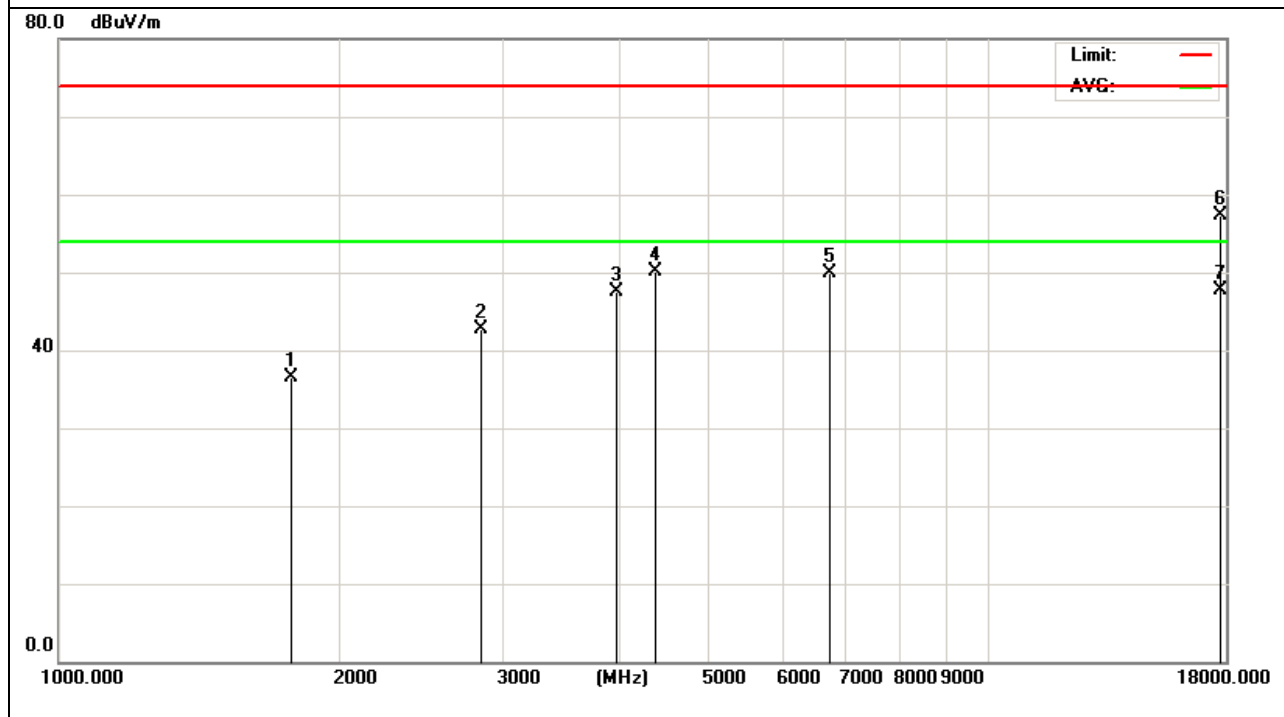
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11a-Low Channel (worst case)	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1775.772	46.55	-9.42	37.13	74.00	-36.87	peak
2844.641	45.32	-2.64	42.68	74.00	-31.32	peak
3977.132	44.05	3.67	47.72	74.00	-26.28	peak
4379.667	45.62	4.49	50.11	74.00	-23.89	peak
6756.741	43.74	6.02	49.76	74.00	-24.24	peak
17709.230	32.84	24.88	57.72	74.00	-16.28	peak
17709.230	22.72	24.88	47.6	54.00	-6.4	AVG

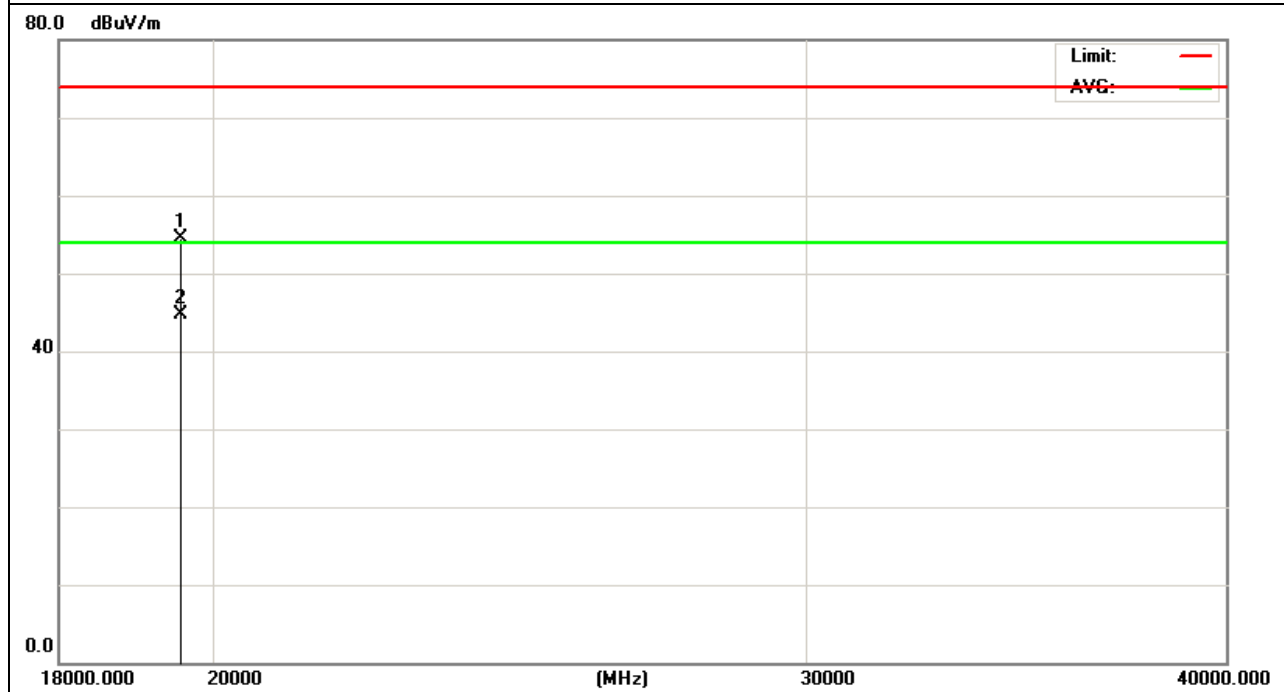
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11a-Low Channel (worst case)	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
19555.000	39.91	14.6	54.51	74.00	-19.49	
19555.000	30.72	14.6	45.32	54.00	-8.68	AVG

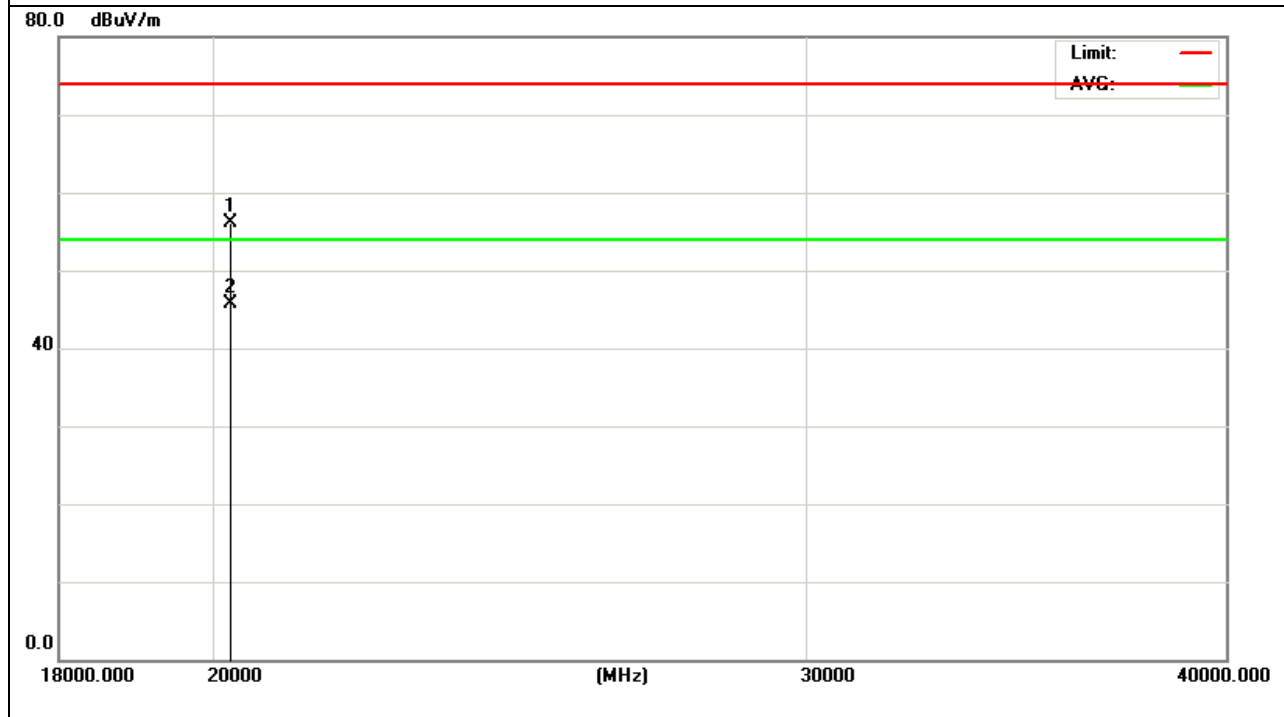
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11a-Low Channel (worst case)	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
20229.000	40.75	15.61	56.36	74.00	-17.64	
20229.000	30.81	15.61	46.42	54.00	-7.58	AVG

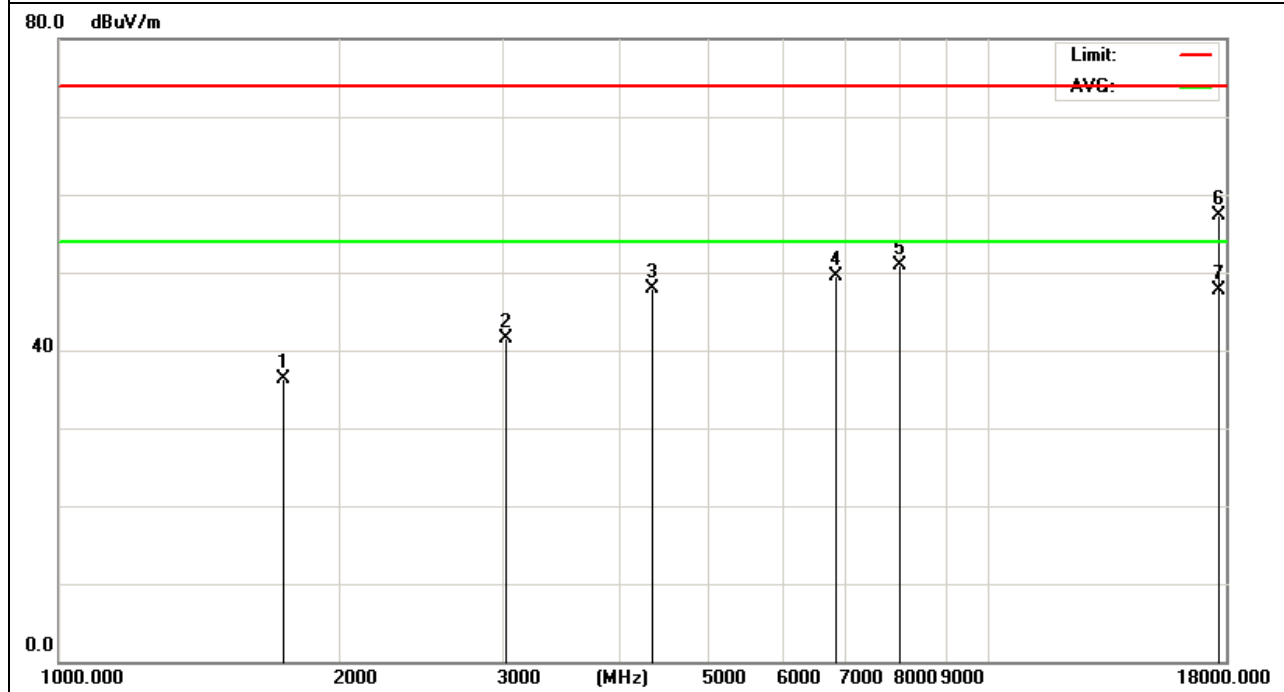
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11a-Mid Channel (worst case)	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1746.663	46.13	-9.5	36.63	74.00	-37.37	peak
3018.154	43.22	-1.64	41.58	74.00	-32.42	peak
4331.225	43.79	4.39	48.18	74.00	-25.82	peak
6845.699	43.52	6.09	49.61	74.00	-24.39	peak
8020.587	40.83	10.41	51.24	74.00	-22.76	peak
17679.897	32.12	24.91	57.03	74.00	-16.97	peak
17679.897	22.95	24.91	47.86	54.00	-6.14	AVG

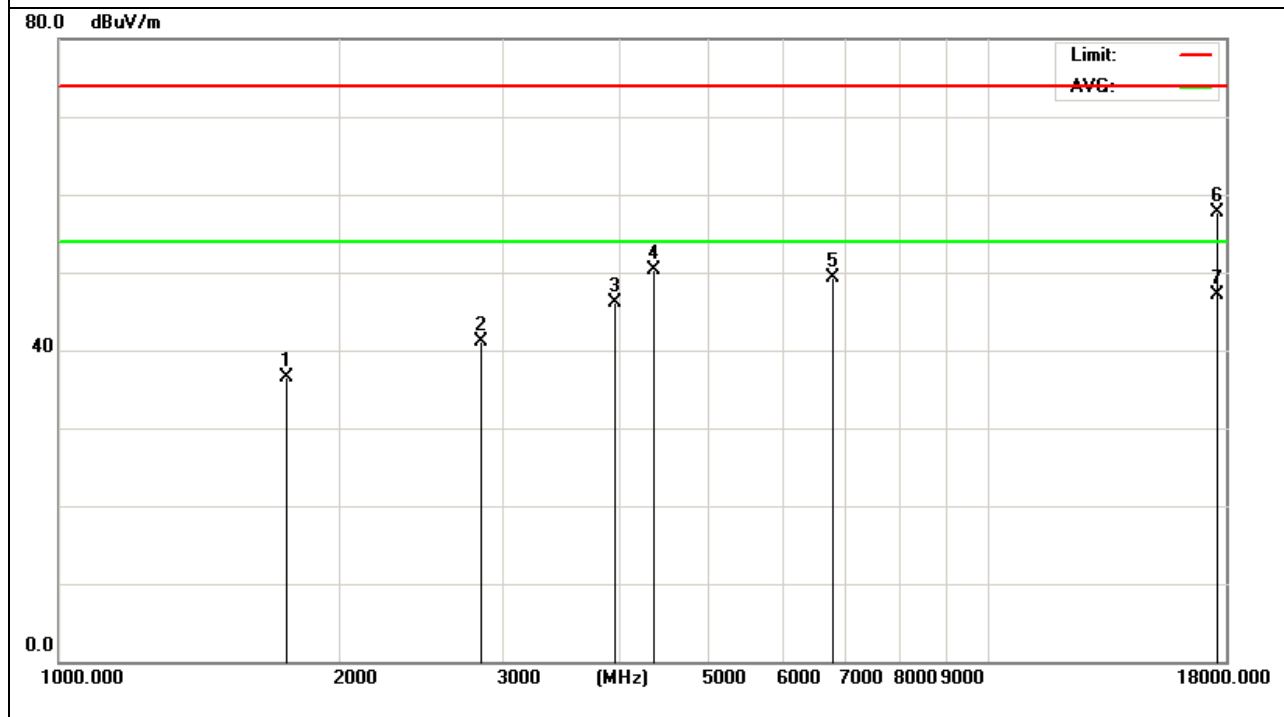
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11a-Mid Channel (worst case)	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1755.624	46.28	-9.46	36.82	74.00	-37.18	peak
2841.158	43.53	-2.64	40.89	74.00	-33.11	peak
3956.636	42.93	3.51	46.44	74.00	-27.56	peak
4358.998	45.88	4.45	50.33	74.00	-23.67	peak
6777.555	43.51	6.03	49.54	74.00	-24.46	peak
17561.574	33.02	24.99	58.01	74.00	-15.99	peak
17561.574	22.59	24.99	47.58	54.00	-6.42	AVG

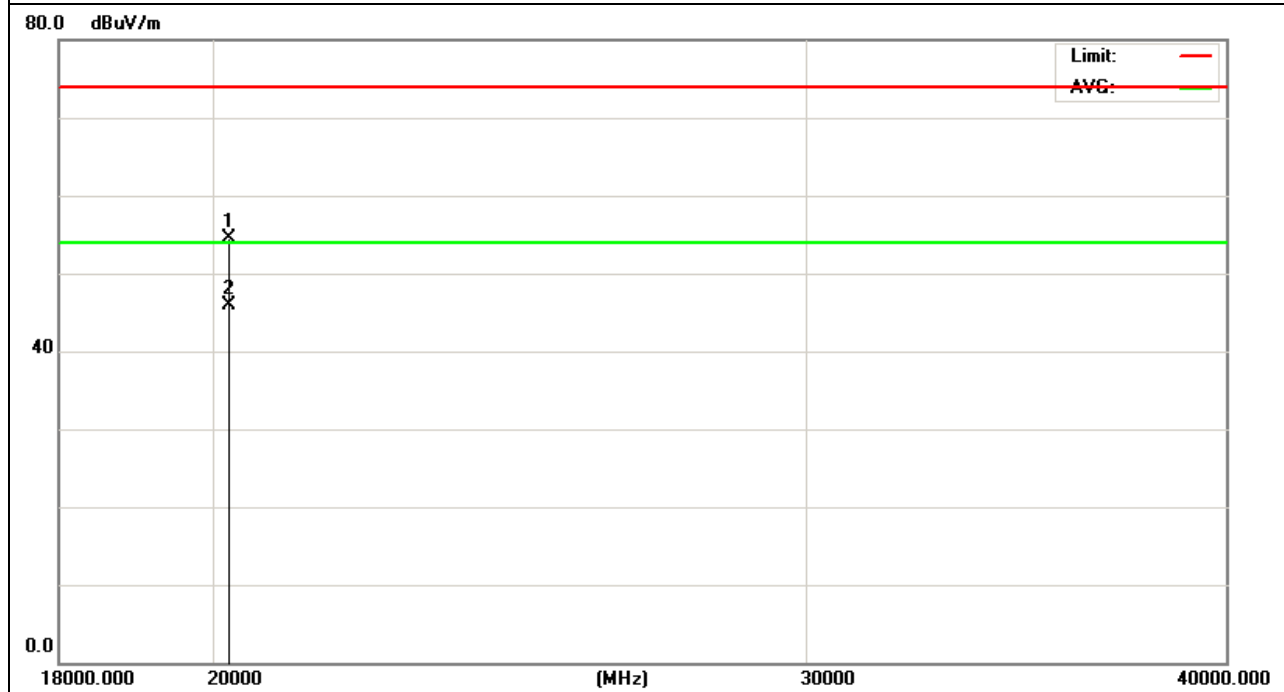
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11a-Mid Channel (worst case)	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
20215.000	38.74	15.59	54.33	74.00	-19.67	peak
20215.000	30.93	15.59	46.52	54.00	-7.48	AVG

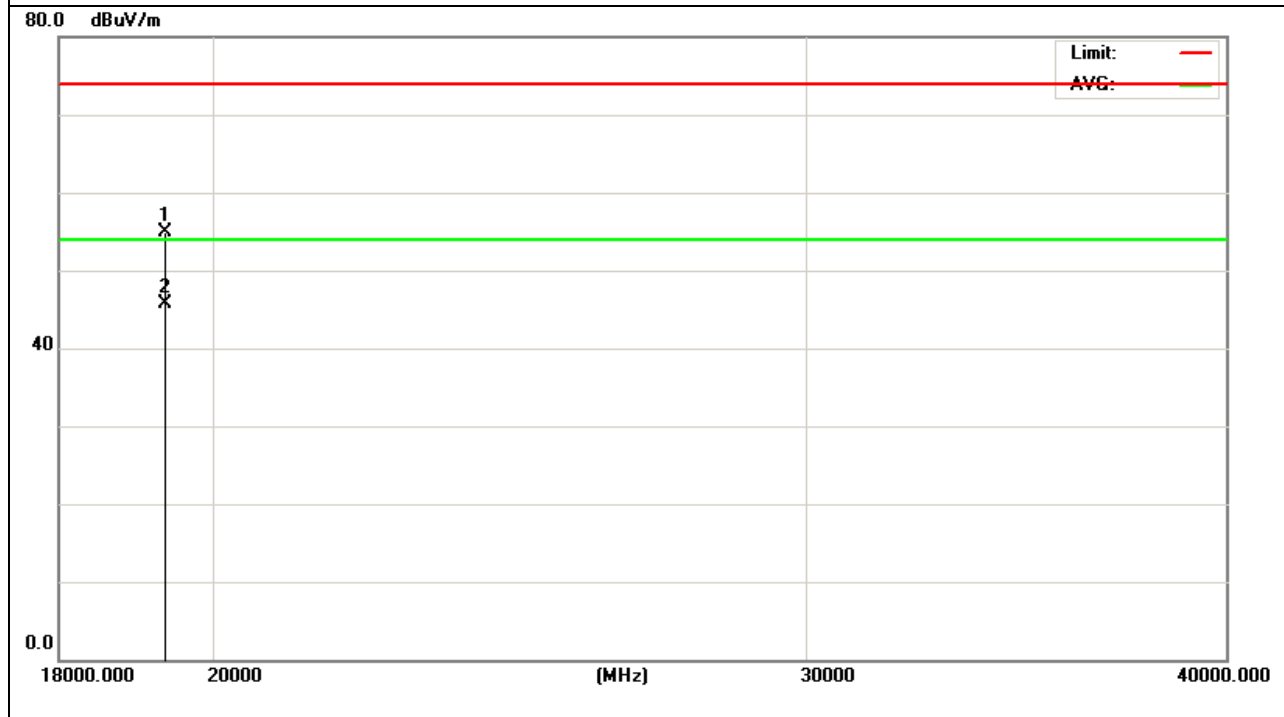
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11a-Mid Channel (worst case)	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
19345.000	40.58	14.3	54.88	74.00	-19.12	
19345.000	31.93	14.3	46.23	54.00	-7.77	AVG

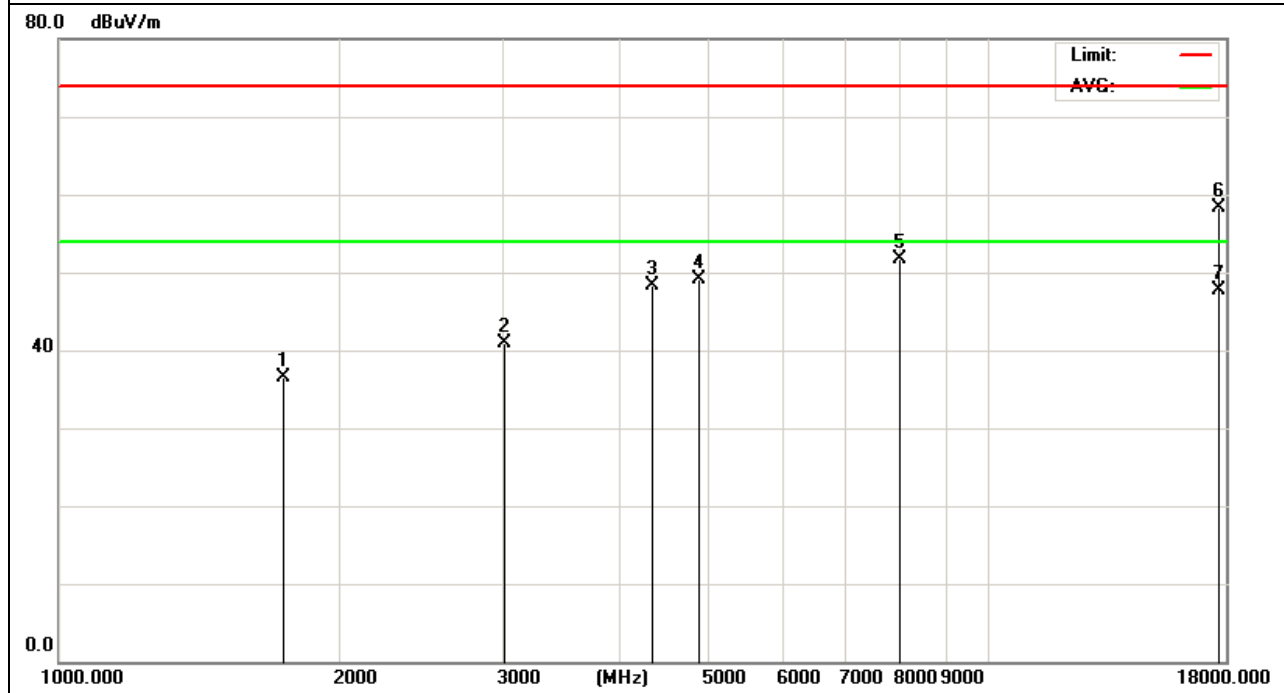
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11a- High Channel (worst case)	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1742.222	46.72	-9.51	37.21	74.00	-36.79	peak
3010.019	42.63	-1.65	40.98	74.00	-33.02	peak
4355.268	43.99	4.44	48.43	74.00	-25.57	peak
4861.356	44.11	5.12	49.23	74.00	-24.77	peak
8012.889	42.09	10.4	52.49	74.00	-21.51	peak
17659.996	33.74	24.92	58.66	74.00	-15.34	peak
17659.996	23.16	24.92	48.08	54.00	-5.92	AVG

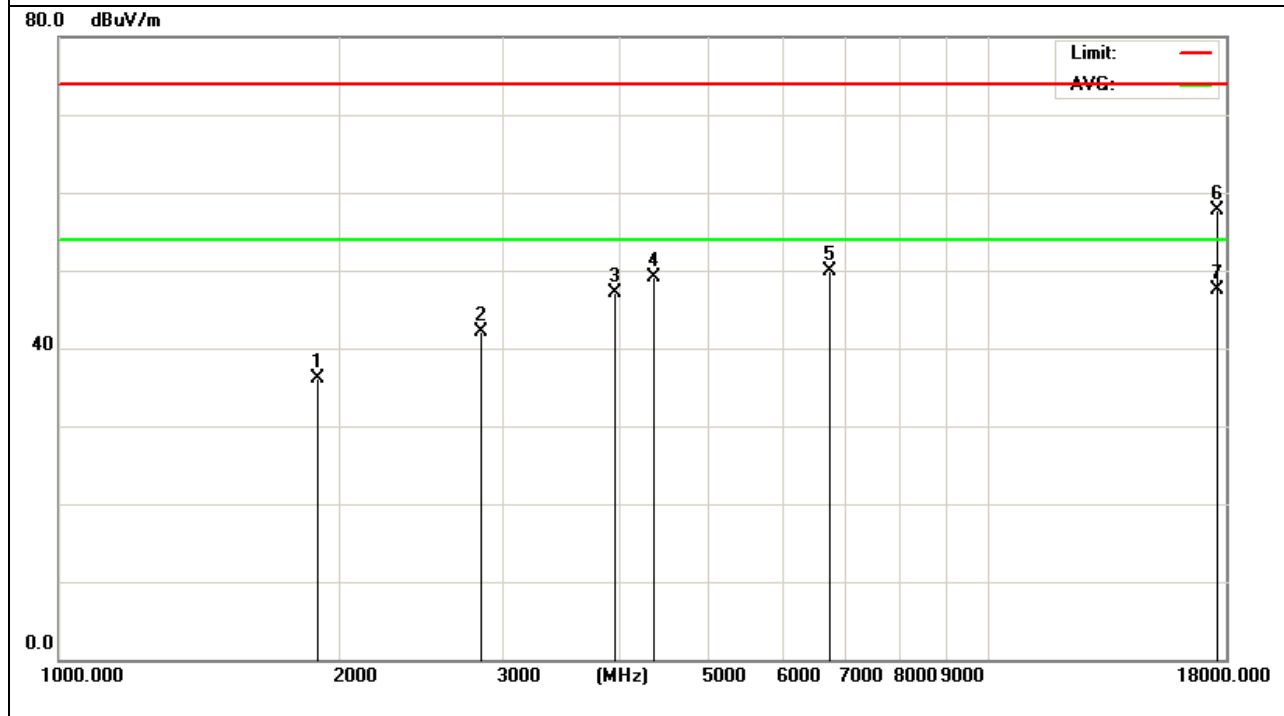
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11a- High Channel (worst case)	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
18956.003	45.78	-9.51	36.27	74.00	-37.73	peak
2843.012	44.76	-2.65	42.11	74.00	-31.89	peak
3951.535	43.86	3.47	47.33	74.00	-26.67	peak
4357.014	44.88	4.45	49.33	74.00	-24.67	peak
6756.298	43.93	6.01	49.94	74.00	-24.06	peak
17559.017	33.05	25	58.05	74.00	-15.95	peak
17559.017	23.01	25	48.01	54.00	-5.99	AVG

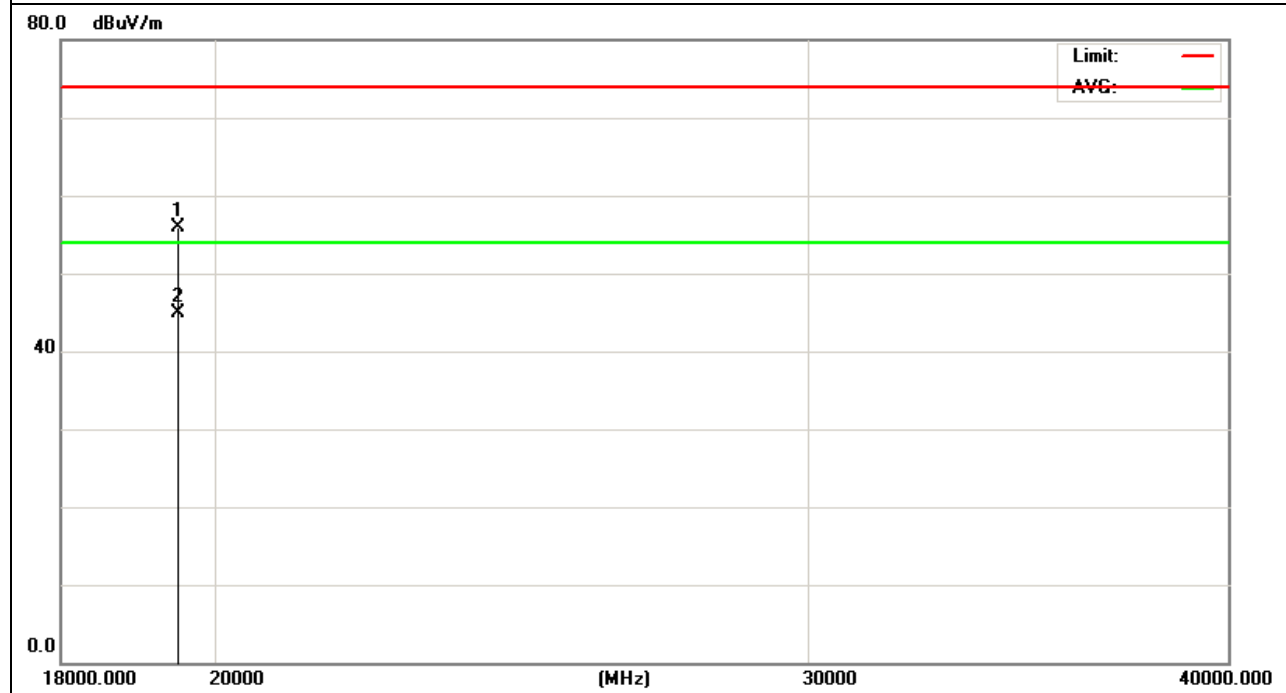
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11a- High Channel (worst case)	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
19500.000	41.23	14.52	55.75	74.00	-18.25	
19500.000	30.57	14.52	45.09	54.00	-8.91	AVG

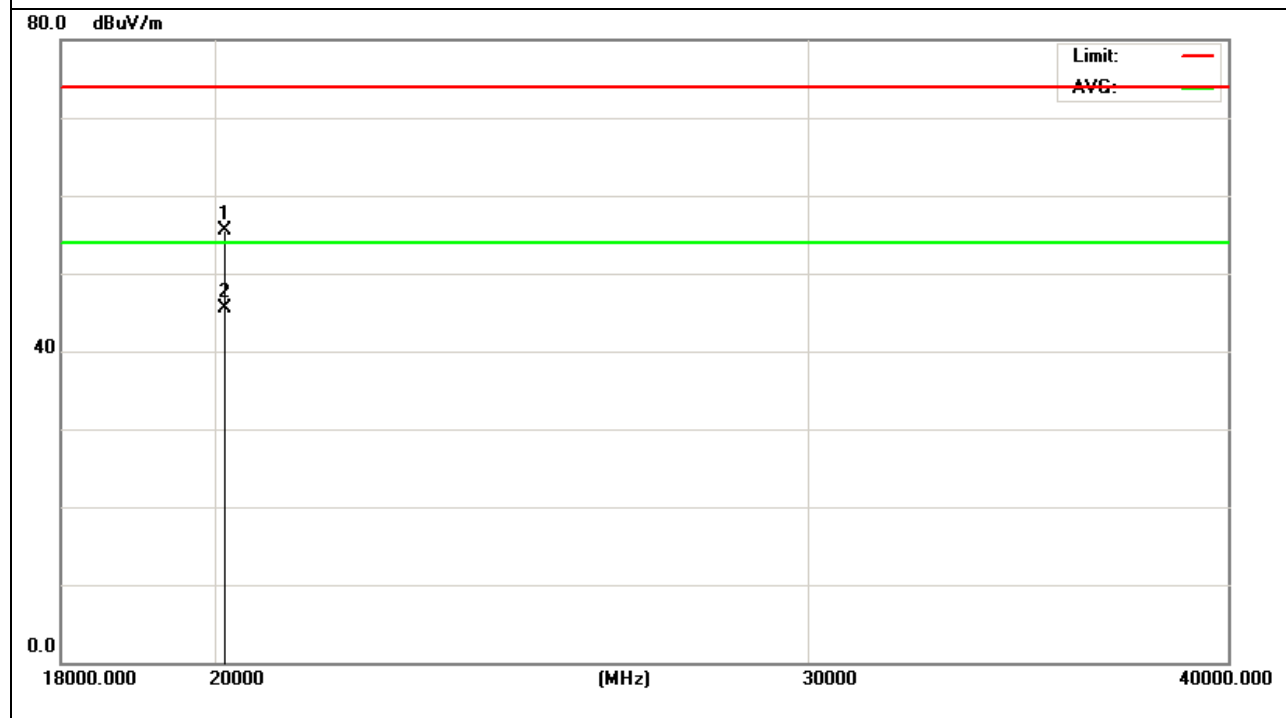
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11a- High Channel (worst case)	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
20119.000	40.01	15.44	55.45	74.00	-18.55	
20119.000	30.15	15.44	45.59	54.00	-8.41	AVG

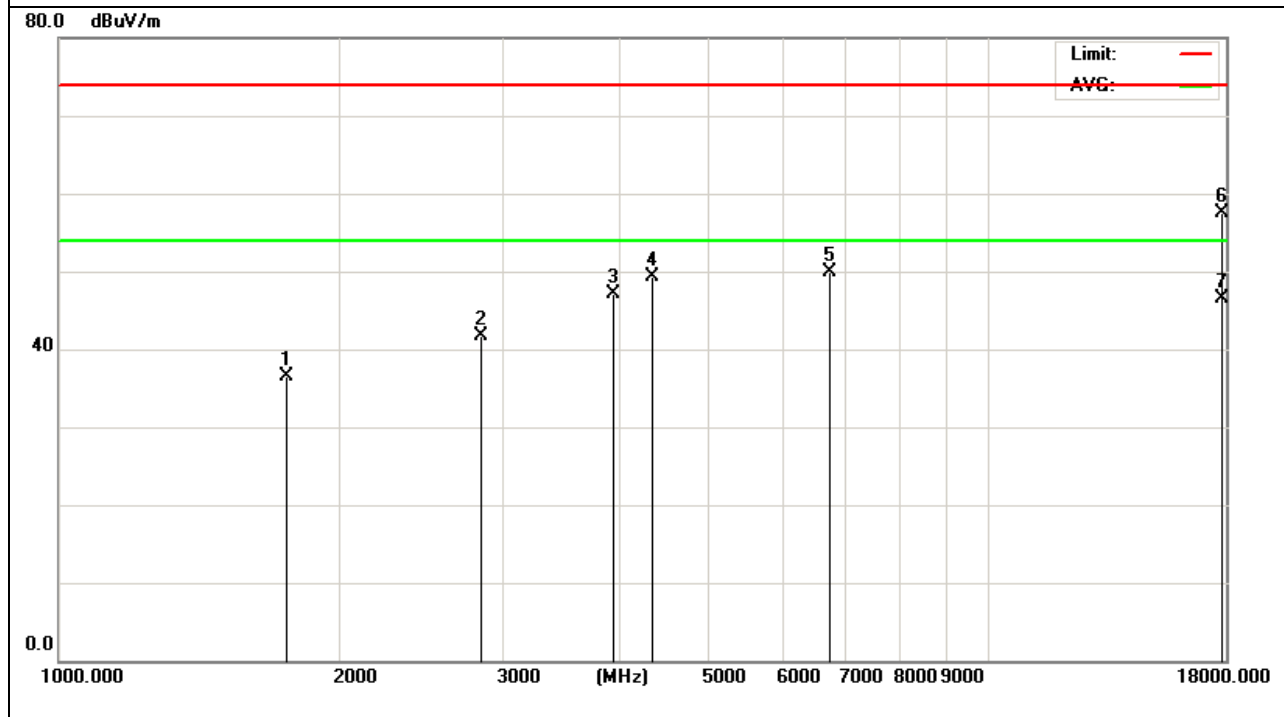
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(20)- Low Channel	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1839.952	46.73	-9.42	37.31	74.00	-36.69	peak
3011.157	43.51	-1.65	41.86	74.00	-32.14	peak
4356.235	44.13	4.45	48.58	74.00	-25.42	peak
4855.864	43.92	5.11	49.03	74.00	-24.97	peak
8019.005	39.96	10.41	50.37	74.00	-23.63	peak
17585.456	33.17	24.98	58.15	74.00	-15.85	peak
17585.456	22.46	24.98	47.44	54.00	-6.56	AVG

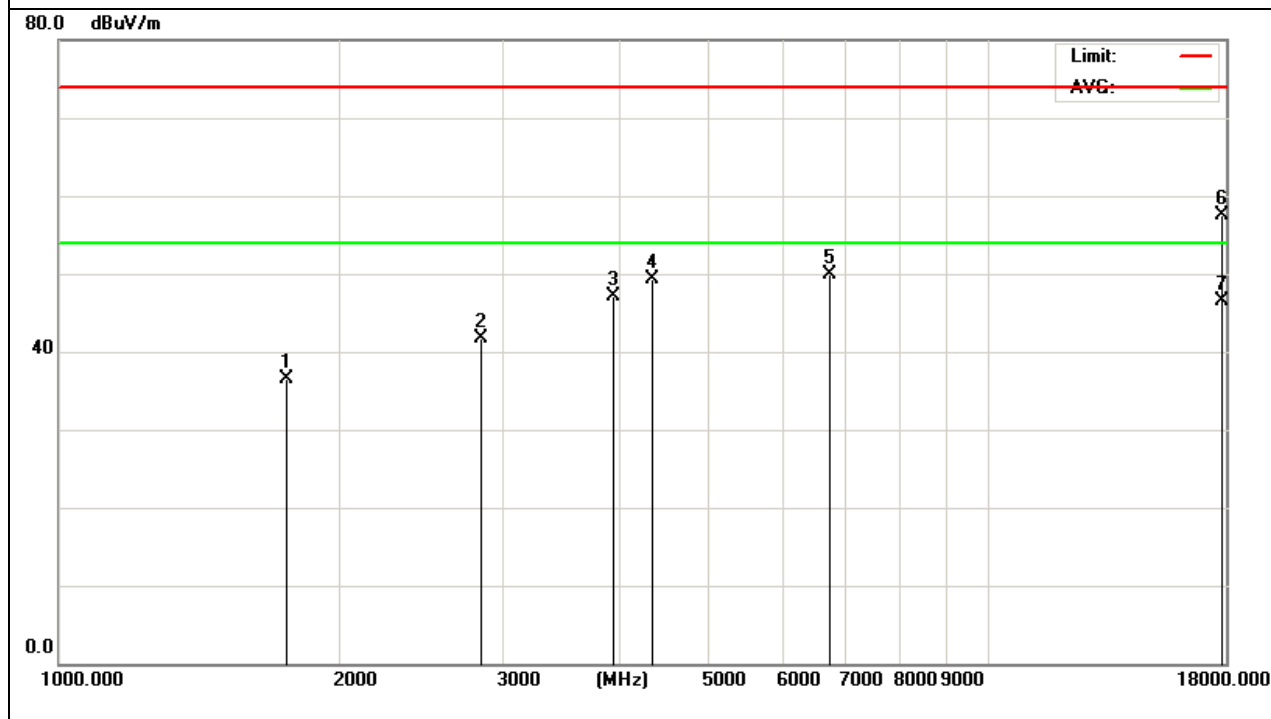
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(20)- Low Channel	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1756.666	46.01	-9.46	36.55	74.00	-37.45	peak
2847.124	44.51	-2.63	41.88	74.00	-32.12	peak
3946.335	43.89	3.43	47.32	74.00	-26.68	peak
4354.159	44.94	4.44	49.38	74.00	-24.62	peak
6754.586	43.92	6.01	49.93	74.00	-24.07	peak
17783.327	32.89	24.83	57.72	74.00	-16.28	peak
17783.327	21.78	24.83	46.61	54.00	-7.39	AVG

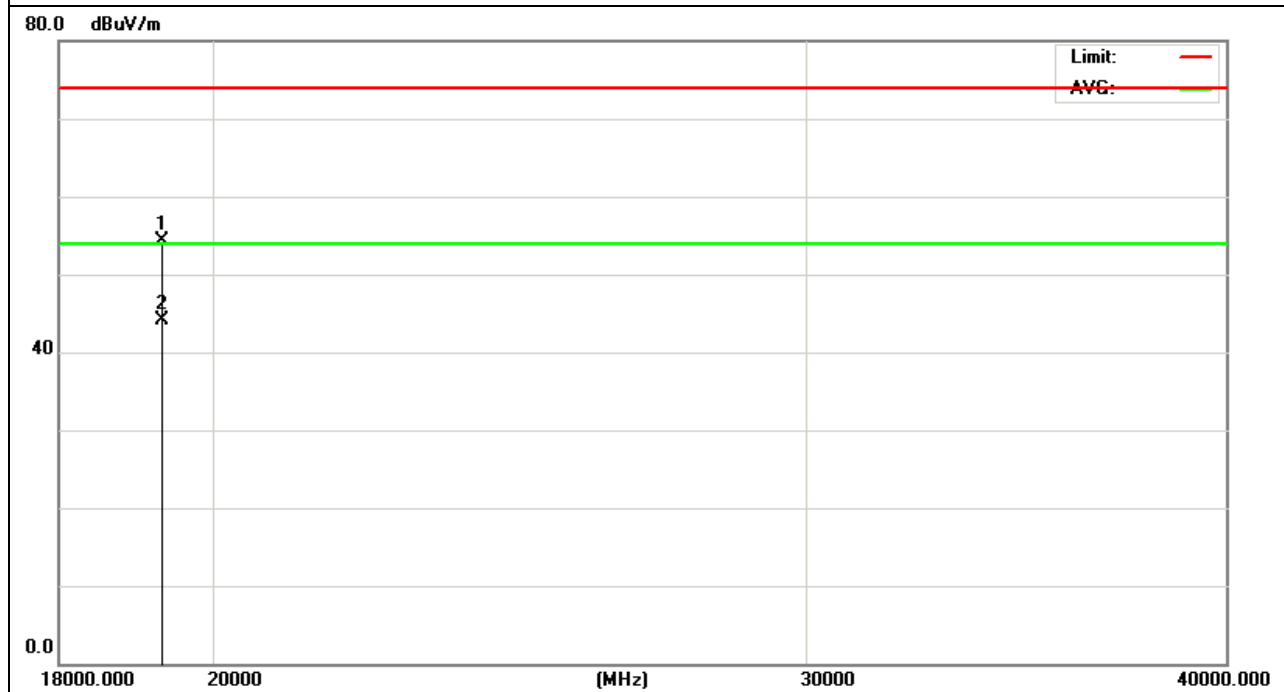
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(20)- Low Channel	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
19326.000	39.99	14.27	54.26	74.00	-19.74	peak
19326.000	29.71	14.27	43.98	54.00	-10.02	AVG

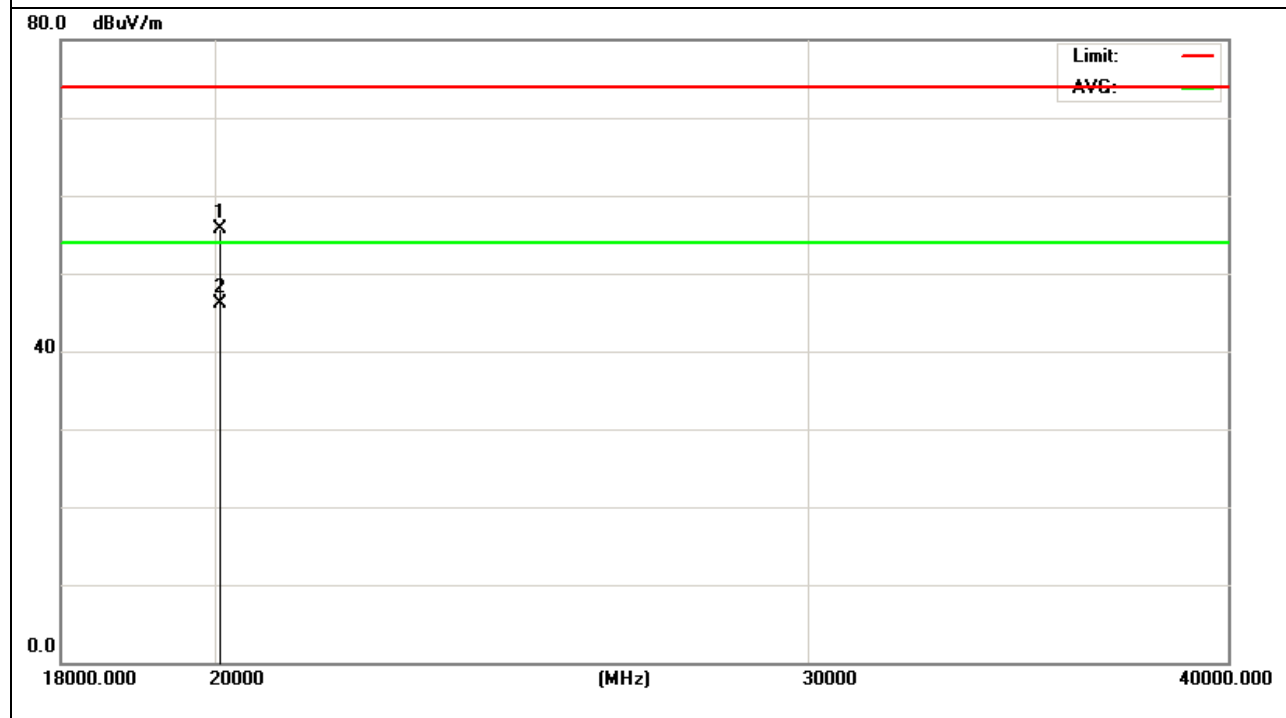
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(20)- Low Channel	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
20060.000	40.84	15.35	56.19	74.00	-17.81	peak
20060.000	30.72	15.35	46.07	54.00	-7.93	AVG

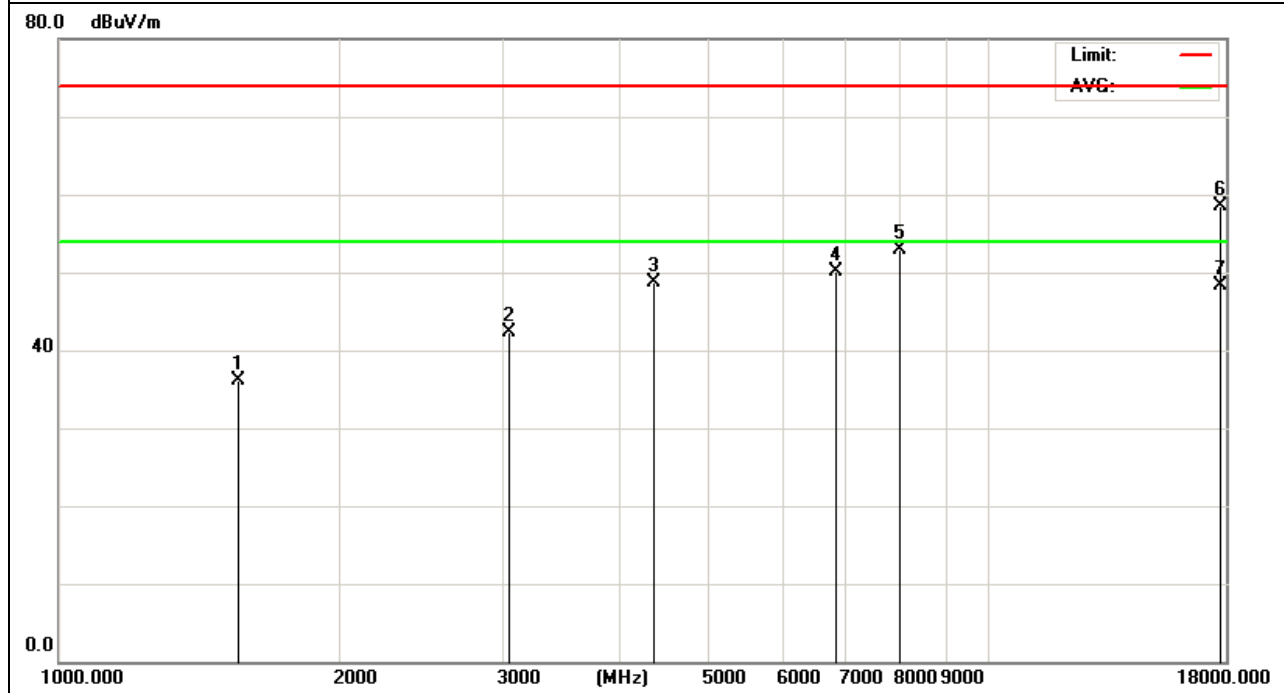
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(20)- Mid Channel	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1558.421	46.52	-9.87	36.65	74.00	-37.35	peak
3046.632	43.93	-1.57	42.36	74.00	-31.64	peak
4355.558	44.58	4.45	49.03	74.00	-24.97	peak
6840.006	44.13	6.08	50.21	74.00	-23.79	peak
8012.998	43.02	10.4	53.42	74.00	-20.58	peak
17694.599	34.19	24.89	59.08	74.00	-14.92	peak
17694.599	23.77	24.89	48.66	54.00	-5.34	AVG

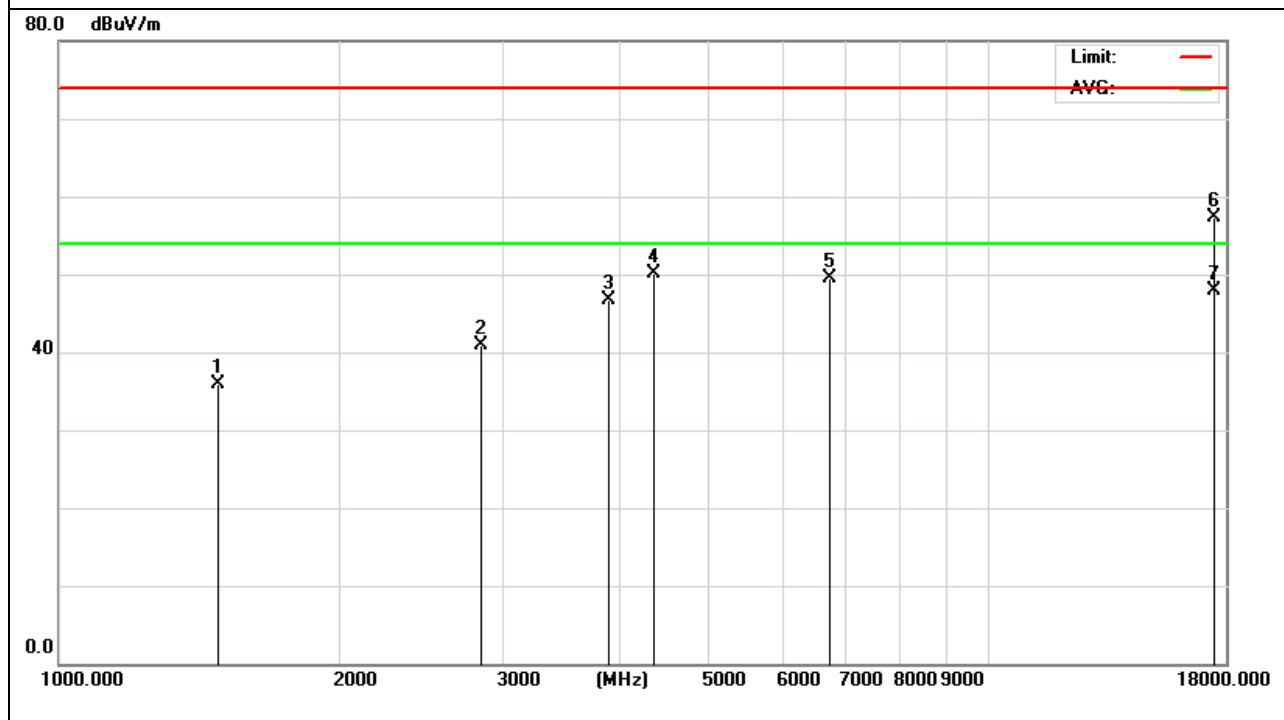
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(20)- Mid Channel	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1479.312	46.03	-9.95	36.08	74.00	-37.92	peak
2841.025	43.57	-2.64	40.93	74.00	-33.07	peak
3895.487	43.75	3.07	46.82	74.00	-27.18	peak
4357.547	45.67	4.45	50.12	74.00	-23.88	peak
6734.111	43.55	6.01	49.56	74.00	-24.44	peak
17459.887	32.88	24.98	57.86	74.00	-16.14	peak
17459.887	23.33	24.98	48.31	54.00	-5.69	AVG

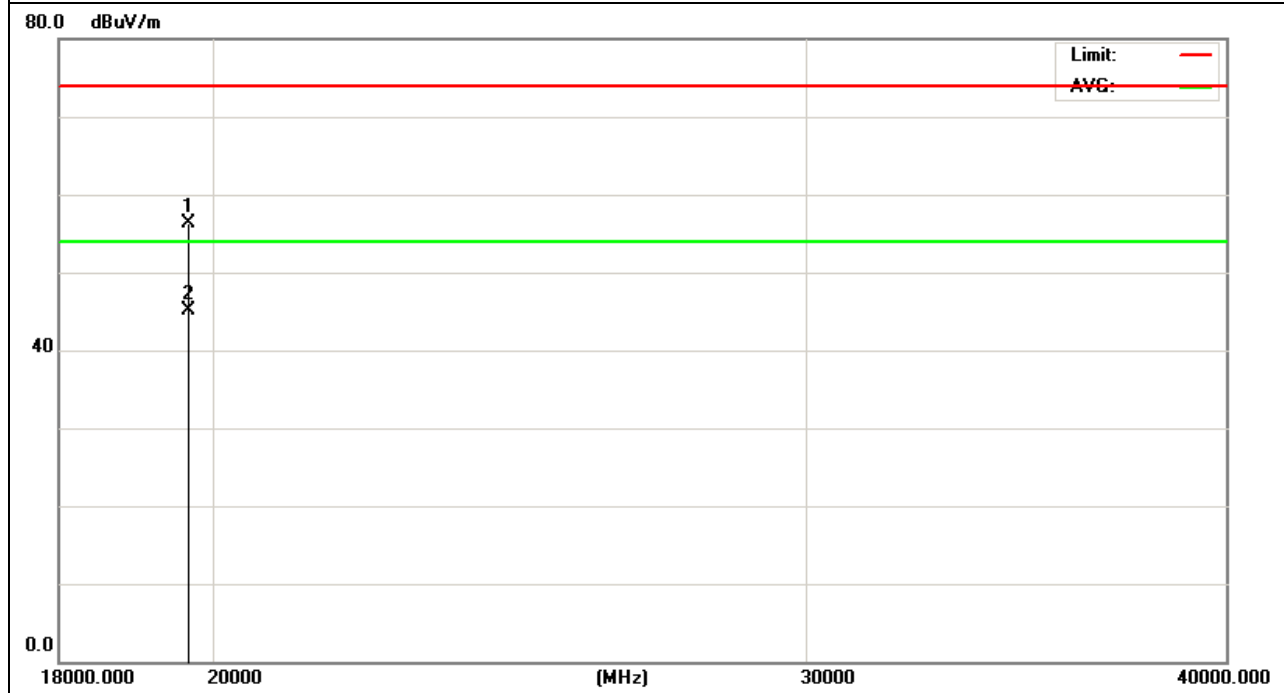
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(20)- Mid Channel	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
19664.000	41.95	14.76	56.71	74.00	-17.29	peak
19664.000	30.66	14.76	45.42	54.00	-8.58	AVG

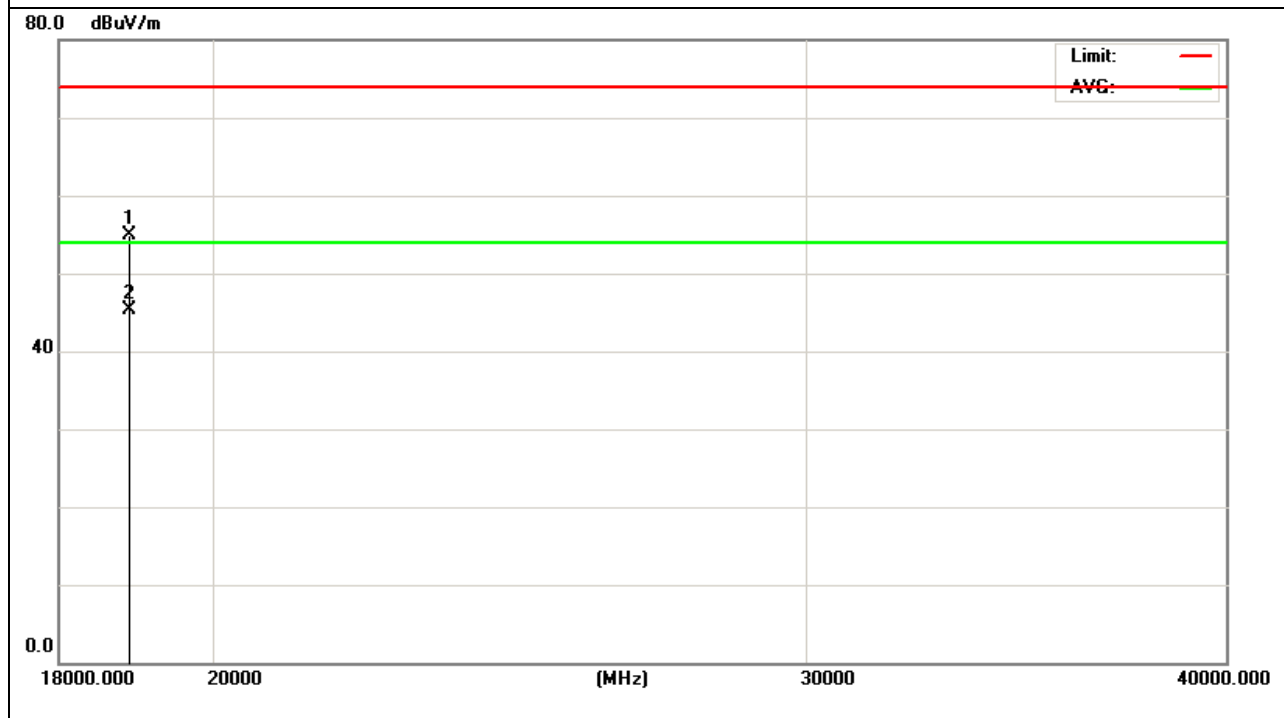
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(20)- Mid Channel	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
18878.000	41.31	13.6	54.91	74.00	-19.09	peak
18878.000	31.95	13.6	45.55	54.00	-8.45	AVG

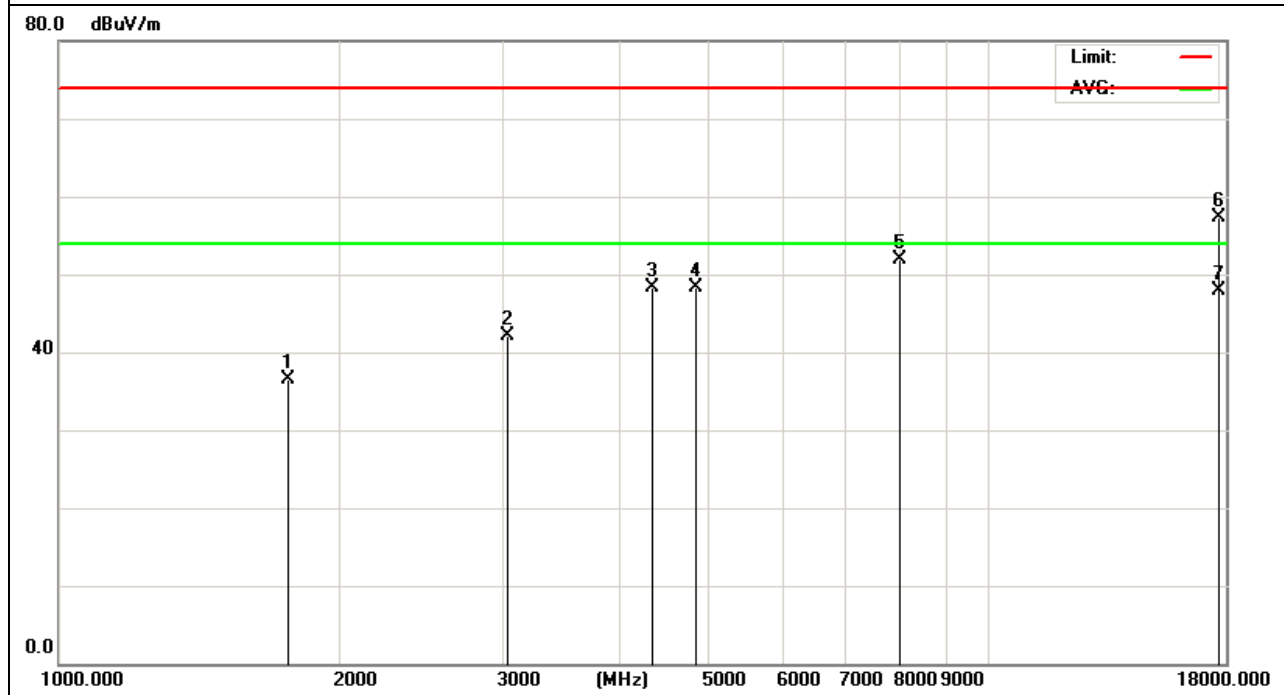
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(20)- High Channel	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1760.005	46.74	-9.45	37.29	74.00	-36.71	peak
3039.147	43.72	-1.59	42.13	74.00	-31.87	peak
4354.841	43.88	4.44	48.32	74.00	-25.68	peak
4840.551	43.42	5.1	48.52	74.00	-25.48	peak
8009.574	41.85	10.4	52.25	74.00	-21.75	peak
17688.885	32.73	24.9	57.63	74.00	-16.37	peak
17688.885	23.92	24.9	48.82	54.00	-5.18	AVG

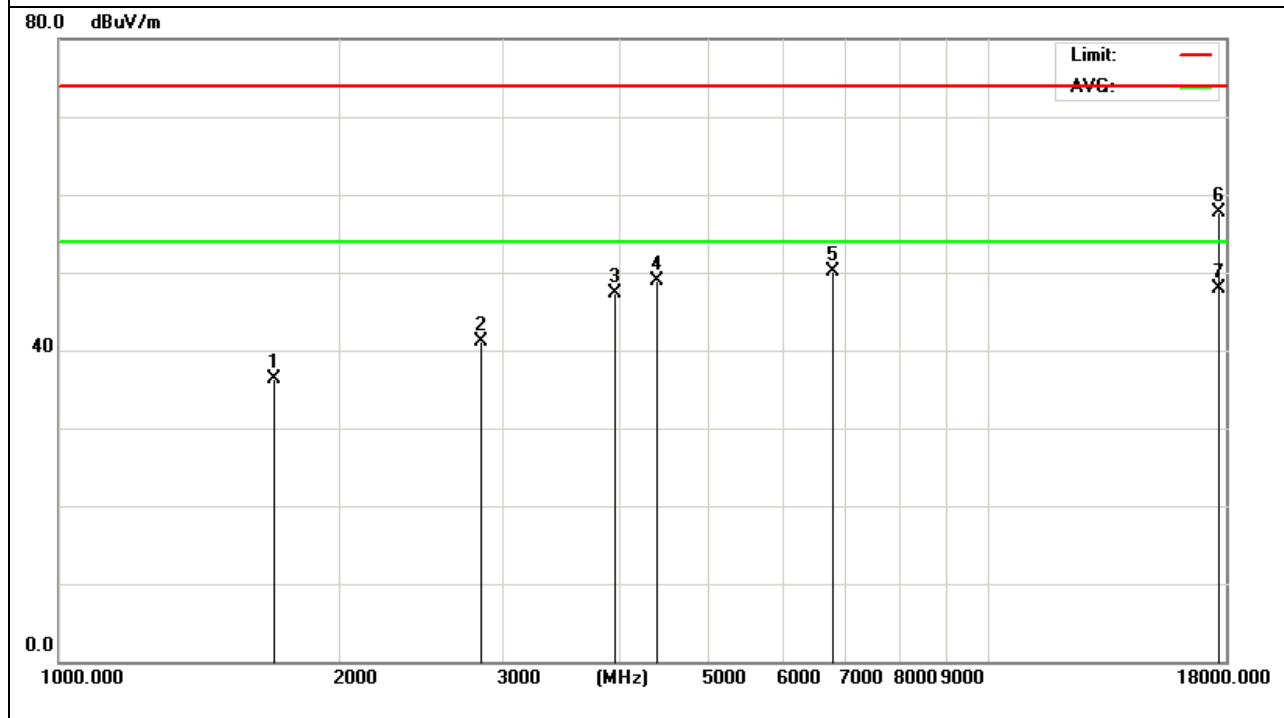
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(20)- High Channel	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
1700.004	45.71	-9.63	36.08	74.00	-37.92	peak
2843.125	43.67	-2.64	41.03	74.00	-32.97	peak
3949.885	43.93	3.46	47.39	74.00	-26.61	peak
4397.142	44.82	4.53	49.35	74.00	-24.65	peak
6786.441	44.01	6.04	50.05	74.00	-23.95	peak
17650.247	32.55	24.93	57.48	74.00	-16.52	peak
17650.247	23.38	24.93	48.31	54.00	-5.69	AVG

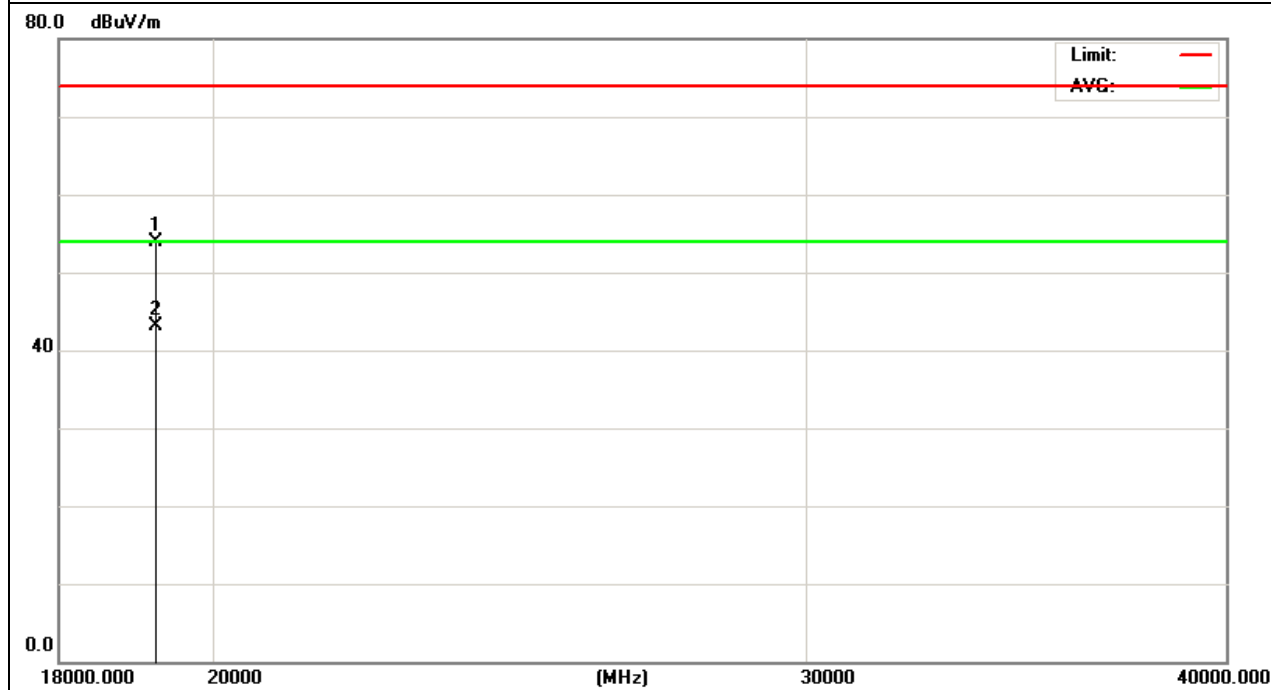
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Mode :	TX 802.11n(20)- High Channel	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
19219.000	39.91	14.11	54.02	74.00	-19.98	peak
19219.000	29.03	14.11	43.14	54.00	-10.86	AVG

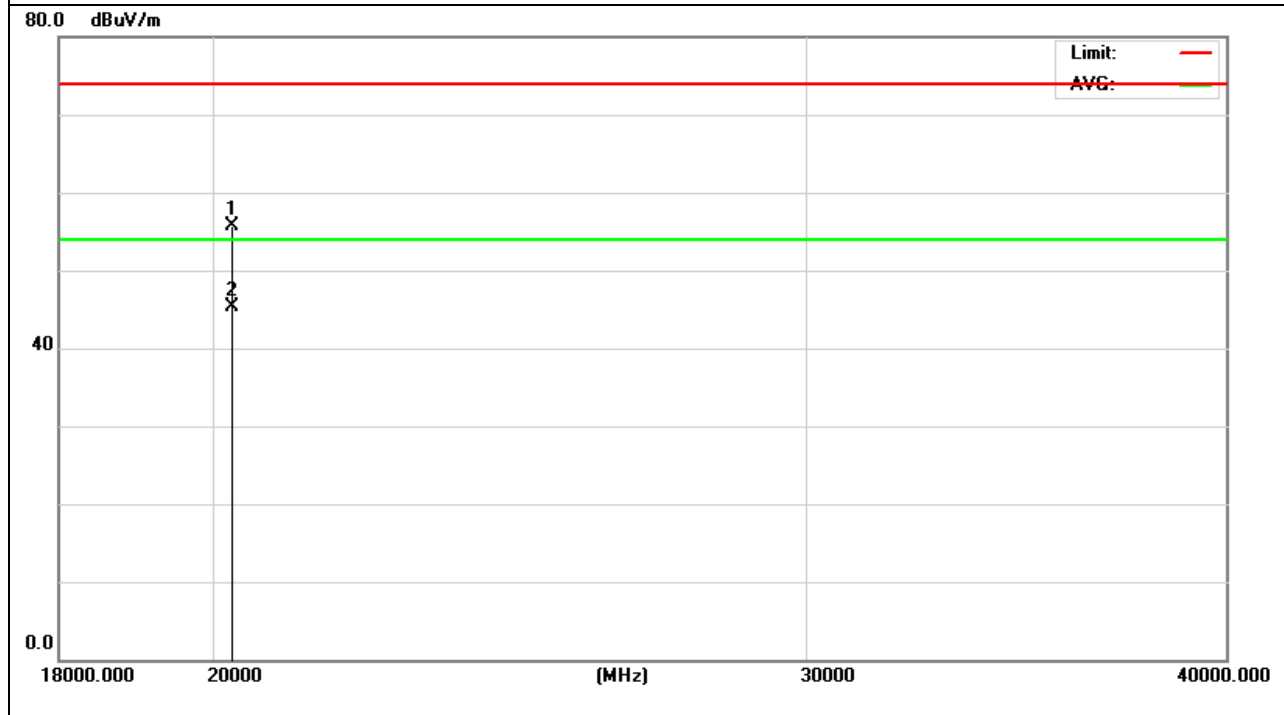
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name. :	anamk3
Temperature :	26 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Polarization :	Vertical
Test Mode :	TX 802.11n(20)- High Channel	Test Voltage :	DC11.55V from battery
Test Date :	2021-04-21		

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
20267.000	40.23	15.66	55.89	74.00	-18.11	peak
20267.000	29.75	15.66	45.41	54.00	-8.59	AVG

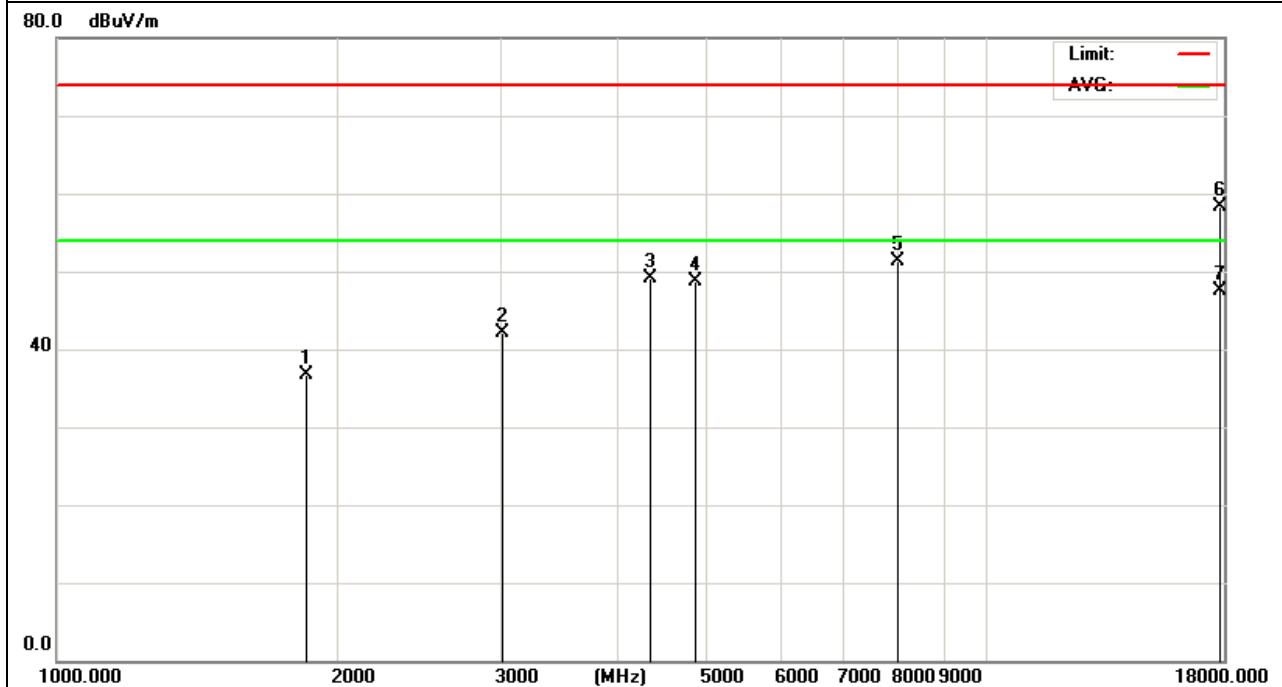
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2021-04-21
Test Mode :	RX	Polarization :	Horizontal
Measurement Distance	3 m	Frequency Range	1GHz to 18GHz
Test Voltage :	DC11.55V from battery		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1855.122	46.24	-9.45	36.79	74.00	-37.21	peak
3015.147	43.89	-1.65	42.24	74.00	-31.76	peak
4351.421	44.77	4.43	49.20	74.00	-24.80	peak
4855.987	43.82	5.11	48.93	74.00	-25.07	peak
8021.258	40.94	10.41	51.35	74.00	-22.65	peak
17796.643	33.85	24.83	58.68	74.00	-15.32	peak
17796.643	22.71	24.83	47.54	54.00	-6.46	AVG

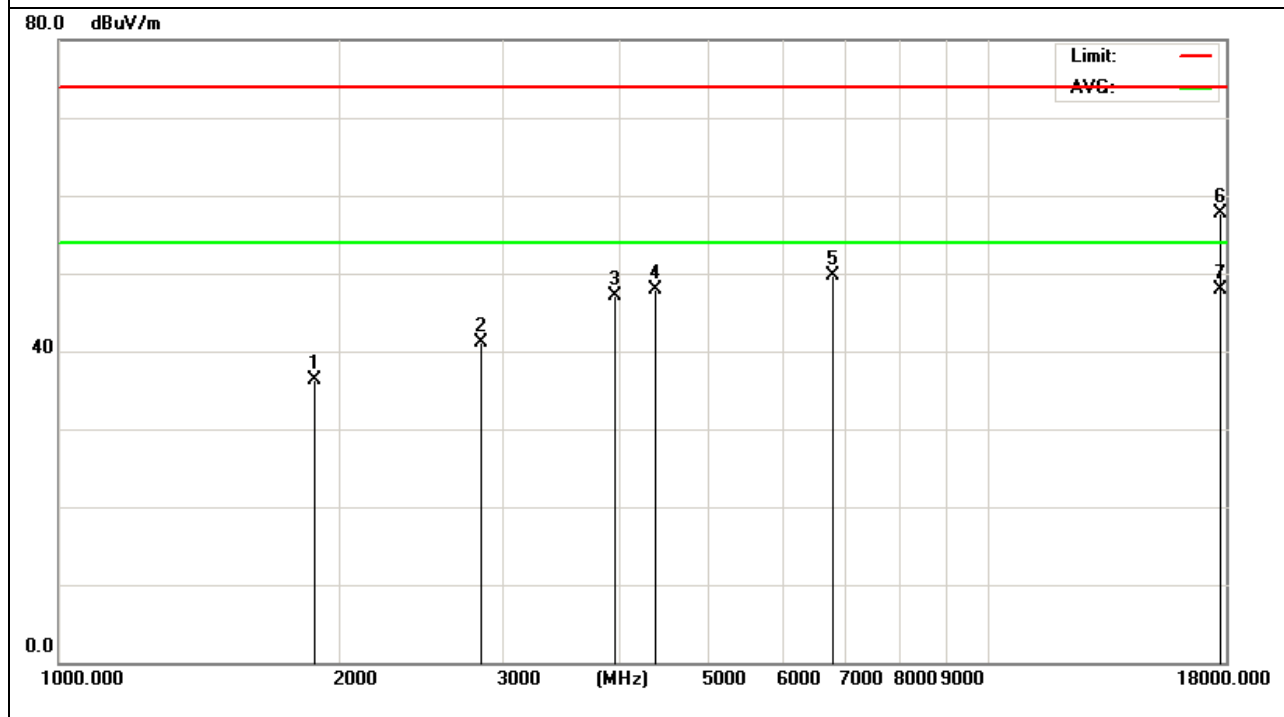
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2021-04-21
Test Mode :	RX	Polarization :	Vertical
Measurement Distance	3 m	Frequency Range	1GHz to 18GHz
Test Voltage :	DC11.55V from battery		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
1882.051	45.84	-9.49	36.35	74.00		peak
2843.334	43.91	-2.64	41.27	74.00	-37.65	peak
3950.486	43.66	3.47	47.13	74.00	-32.73	peak
4377.781	43.23	4.49	47.72	74.00	-26.87	peak
6779.131	43.48	6.03	49.51	74.00	-26.28	peak
17701.087	32.94	24.89	57.83	74.00	-24.49	peak
17701.087	23.12	24.89	48.01	54.00	-16.17	AVG

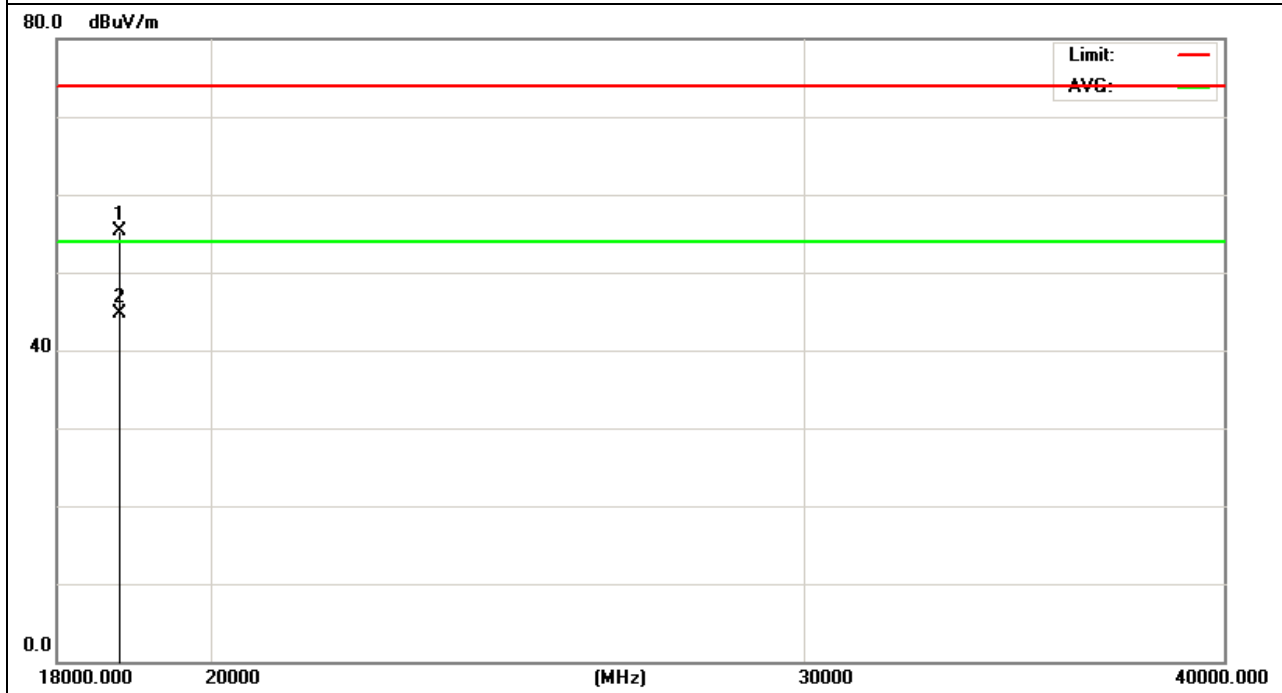
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2021-04-21
Test Mode :	RX	Polarization :	Horizontal
Measurement Distance	3 m	Frequency Range	18GHz to 40GHz
Test Voltage :	DC11.55V from battery		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
18780.000	41.51	13.46	54.97	74.00	-19.03	peak
18780.000	31.55	13.46	45.01	54.00	-8.99	AVG

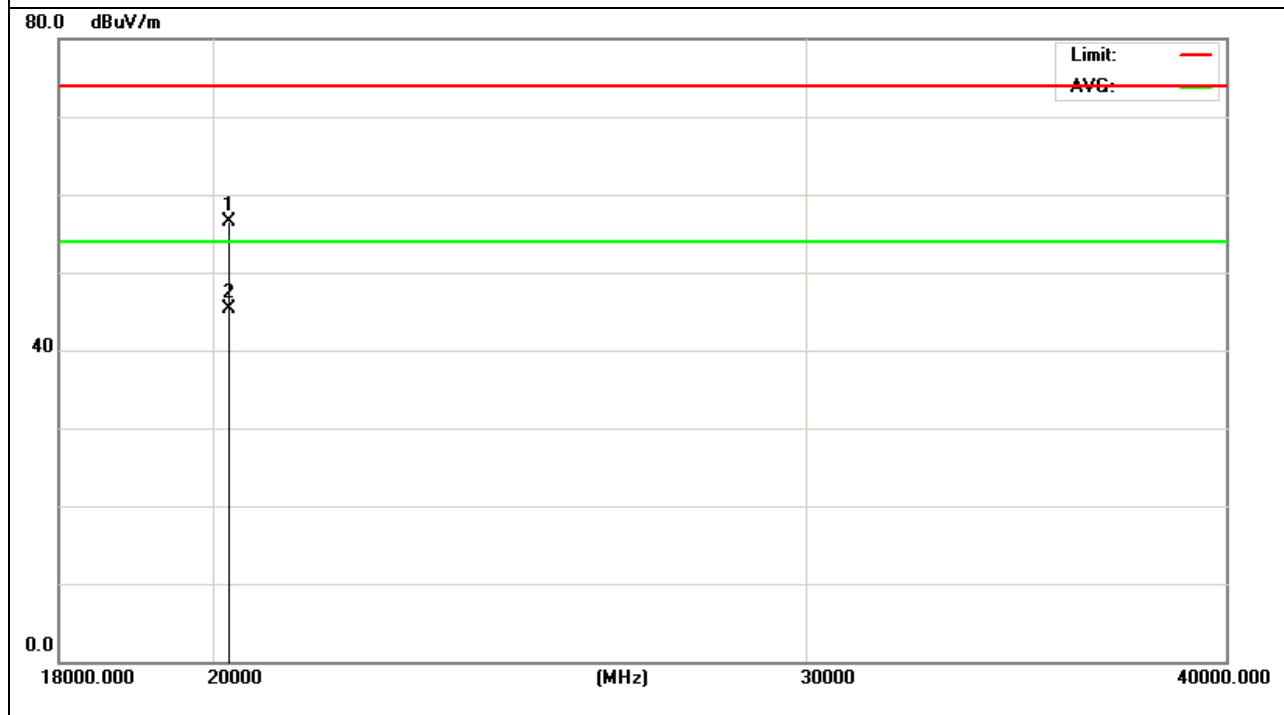
Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	24 °C	Relative Humidity :	54%
Pressure :	1010 hPa	Test Date :	2021-04-21
Test Mode :	RX	Polarization :	Vertical
Measurement Distance	3 m	Frequency Range	18GHz to 40GHz
Test Voltage :	DC11.55V from battery		

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type
20219.000	40.42	15.59	56.01	74.00	-17.99	peak
20219.000	29.86	15.59	45.45	54.00	-8.55	AVG

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



Note: 10~40GHz 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

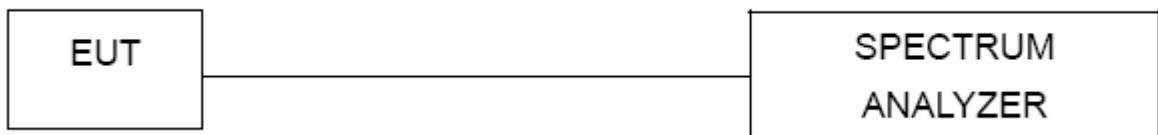
LP0002				
Section	Test Item	Limit	Frequency Range (MHz)	Result
4.7.5	Bandwidth	$\geq 500\text{kHz}$ (6dB bandwidth)	5725-5825	PASS

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	$>$ Measurement Bandwidth or Channel Separation
RB	100 kHz (6dB Bandwidth) / 100 kHz (Channel Separation)
VB	300 kHz (6dB Bandwidth) / 300 kHz (Channel Separation)
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.

4.5 TEST RESULTS

EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC11.55V from battery
Test Mode :	TX a Mode(5G) /CH149, CH157, CH165 -10MHz		
Test Date :	2021-03-31		

Frequency	6dB Bandwidth(MHz)				Limit (kHz)	Result
	ANT1	ANT2	ANT3	ANT4		
5745 MHz	7.971	7.947	7.961	7.965	≥ 500	Pass
5785 MHz	7.976	7.950	7.899	7.944	≥ 500	Pass
5825 MHz	7.975	7.886	7.957	7.913	≥ 500	Pass

6dB bandwidth

TX CH 149



TX CH 157



CH165



EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC11.55V from battery
Test Mode :	TX n(20) Mode(5G) /CH149, CH157, CH165 -10MHz		
Test Date :	2021-03-31		

Frequency	6dB Bandwidth(MHz)				Limit (kHz)	Result
	ANT1	ANT2	ANT3	ANT4		
5745 MHz	8.387	7.945	8.181	8.070	≥ 500	Pass
5785 MHz	8.177	8.124	8.021	8.063	≥ 500	Pass
5825 MHz	7.953	7.278	7.464	7.933	≥ 500	Pass

6dB bandwidth

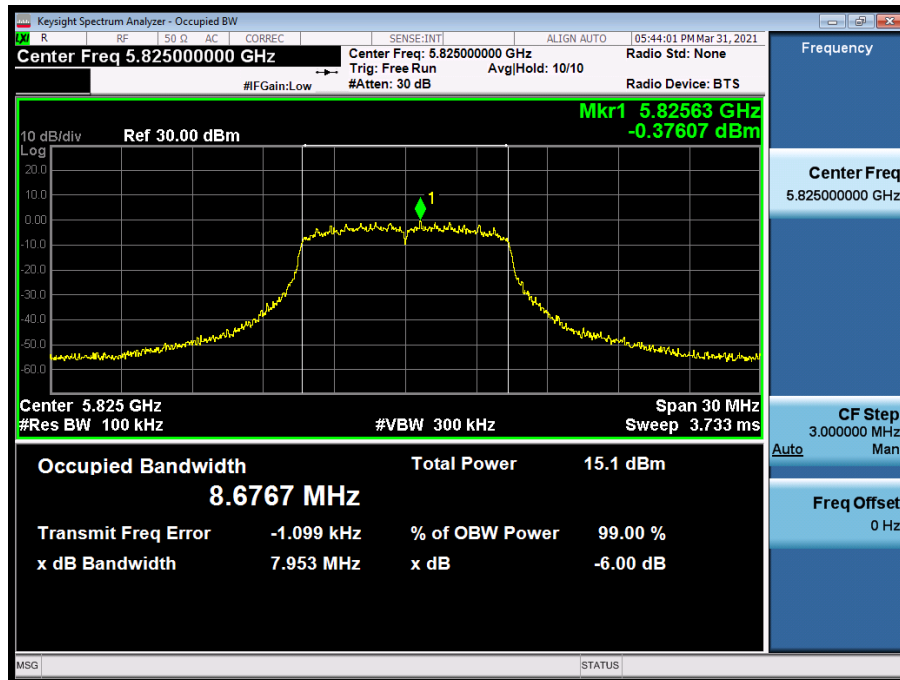
TX CH 149



TX CH 157



CH165



EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC11.55V from battery
Test Mode :	TX a Mode(5G) /CH149, CH157, CH165 -20MHz		
Test Date :	2021-04-01		

Frequency	6dB Bandwidth(MHz)				Limit (kHz)	Result
	ANT1	ANT2	ANT3	ANT4		
5745 MHz	15.06	15.03	15.04	15.02	≥ 500	Pass
5785 MHz	15.12	15.12	15.08	15.11	≥ 500	Pass
5825 MHz	15.14	15.13	15.14	15.13	≥ 500	Pass

6dB bandwidth

TX CH 149



TX CH 157



CH165



EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC11.55V from battery
Test Mode :	TX n(20) Mode(5G) /CH149, CH157, CH165 -20MHz		
Test Date :	2021-04-01		

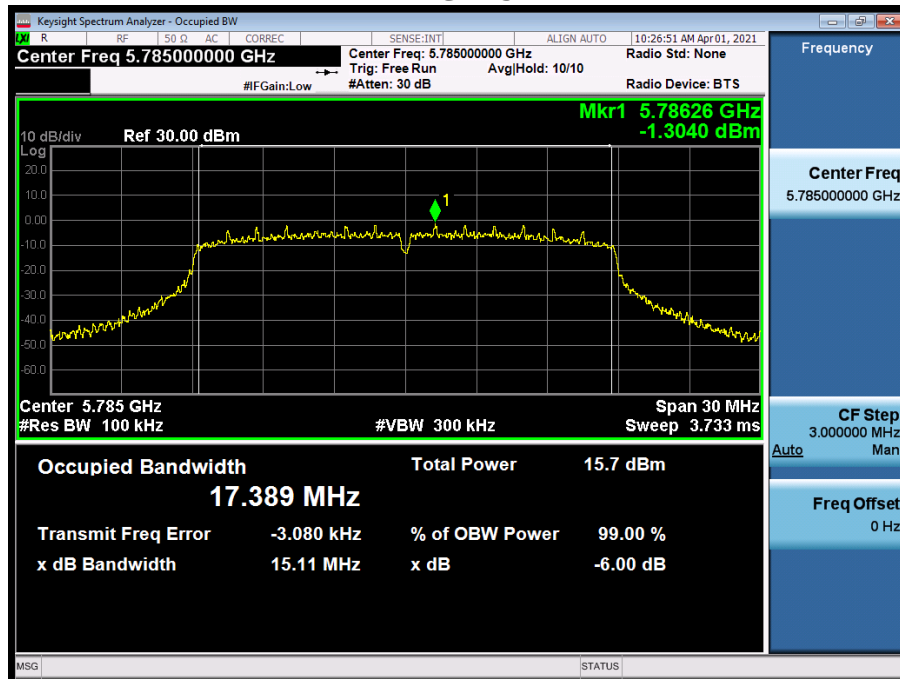
Frequency	6dB Bandwidth(MHz)				Limit (kHz)	Result
	ANT1	ANT2	ANT3	ANT4		
5745 MHz	15.14	15.11	15.08	15.13	≥ 500	Pass
5785 MHz	15.11	15.11	15.11	15.10	≥ 500	Pass
5825 MHz	15.11	15.10	15.11	15.11	≥ 500	Pass

6dB bandwidth

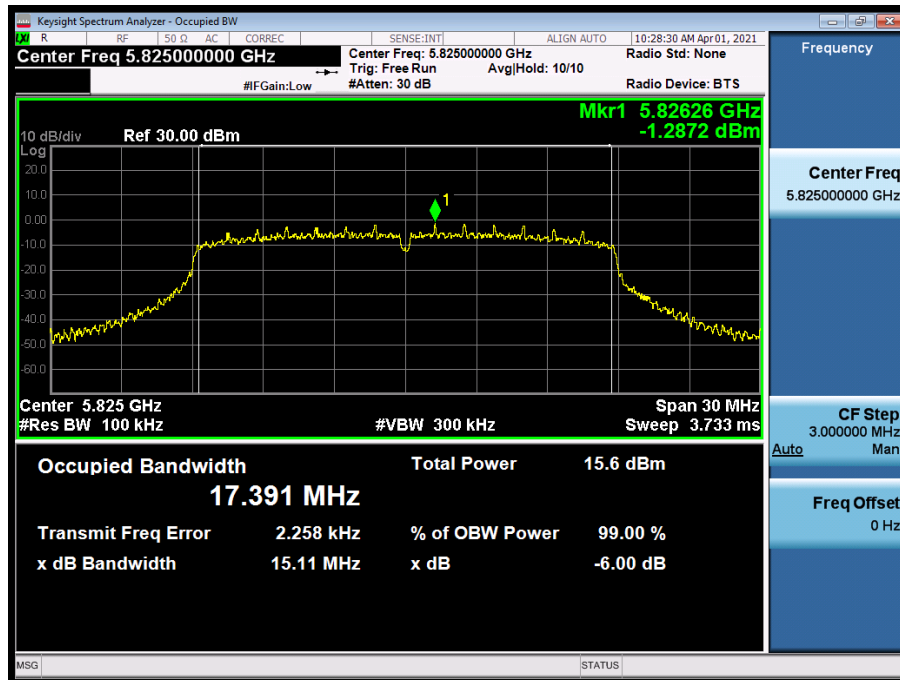
TX CH 149



TX CH 157



CH165



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	1.5 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=1.5MHz, Detector= Peak, Trace=Max Hold.

5.3 TEST SETUP



5.4 EUT OPERATION CONDITIONS

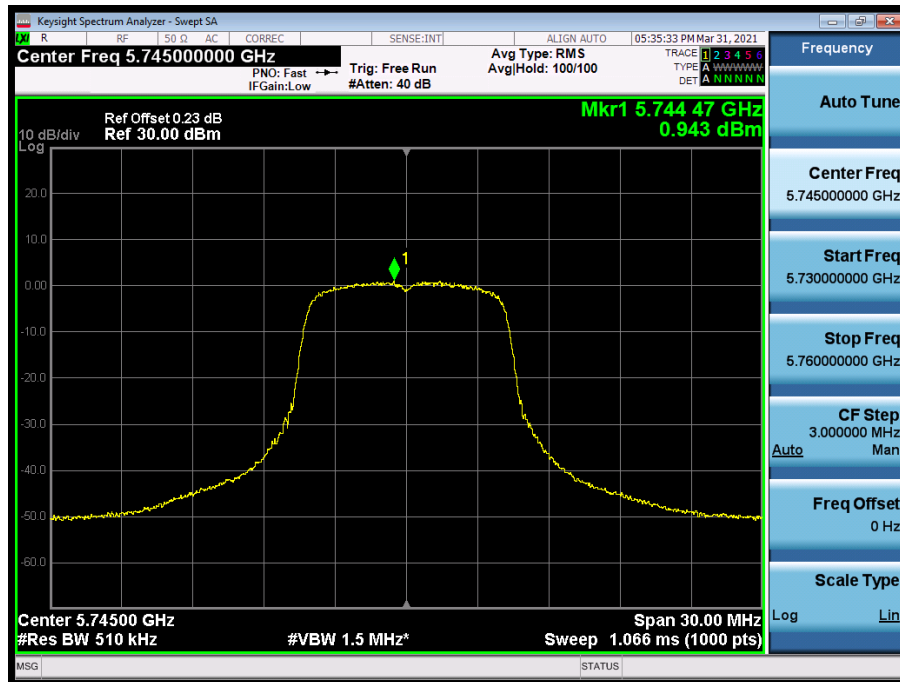
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

5.5 TEST RESULTS

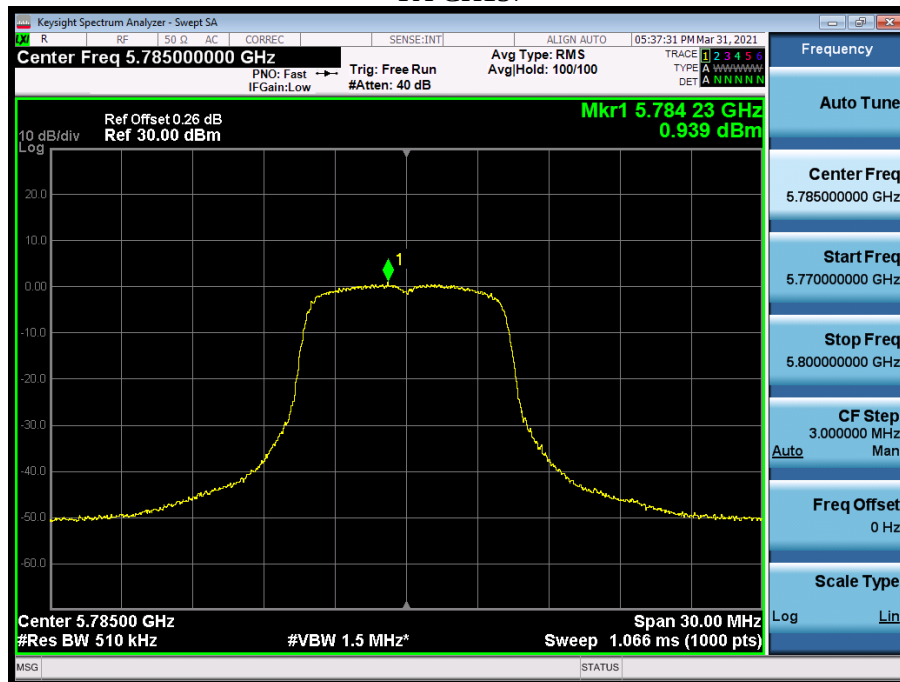
EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC11.55V from battery
Test Mode :	TX 802.11a/n20 -10MHz		
Test Date :	2021-03-31		

802.11a(5.725GHz-5.85GHz)Data rate 6Mbps							
Channel	Channel Frequency (MHz)	Power Density (MHz)				Limit (dBm)	Result
		ANT1	ANT2	ANT3	ANT4		
CH 149	5745	0.943	0.548	0.384	0.907	30	Pass
CH 157	5785	0.939	0.532	0.698	0.852	30	Pass
CH 165	5825	0.611	0.169	0.363	0.538	30	Pass

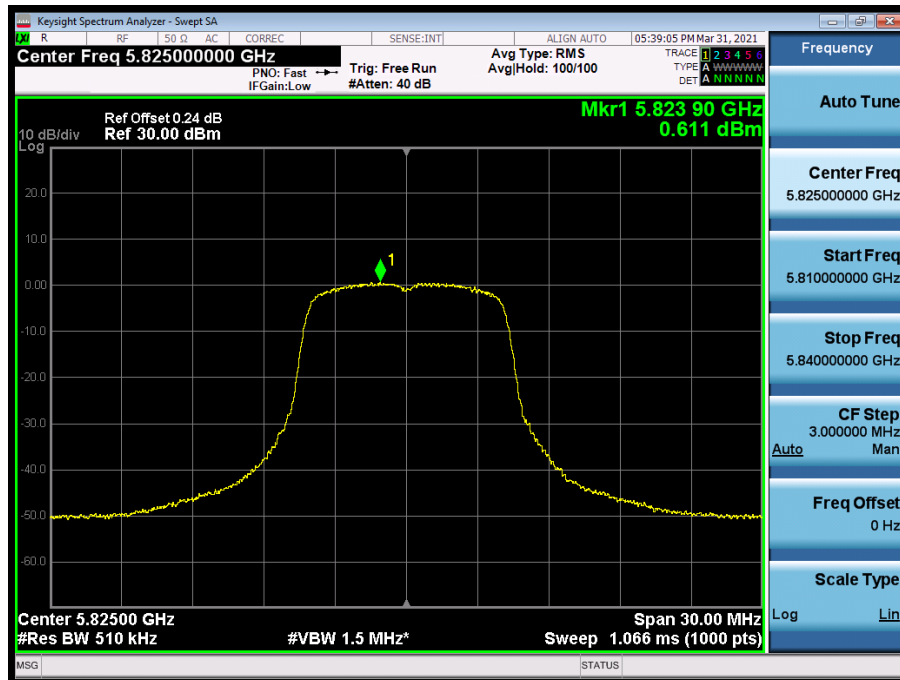
802.11n(20M) (5.725GHz-5.85GHz)Data rate 13Mbps											
Channel	Channel Frequency (MHz)	Power Density (MHz)								Limit (dBm)	Result
		ANT1	ANT2	ANT3	ANT4	ANT 1+2	ANT 3+4	ANT 1+3	ANT 2+4		
CH 149	5745	-1.483	-1.498	-1.792	-1.579	1.52	1.33	1.38	1.47	30	Pass
CH 157	5785	-1.683	-1.765	-1.788	-1.693	1.29	1.27	1.28	1.28	30	Pass
CH 165	5825	-1.369	-1.754	-1.856	-1.462	1.45	1.36	1.40	1.40	30	Pass

802.11a (5.725GHz-5.85GHz)
TX CH149

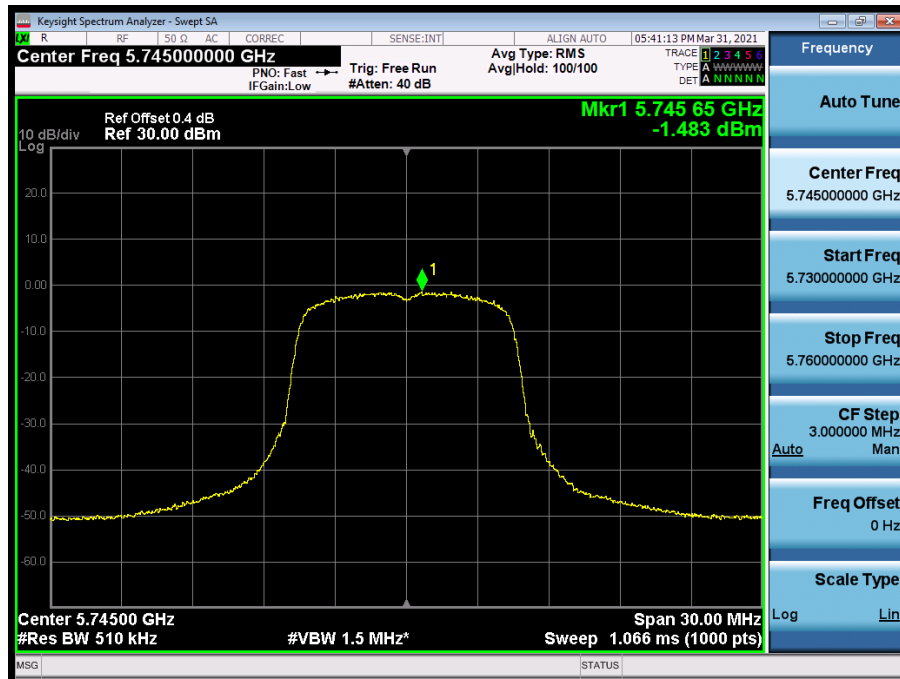
TX CH157



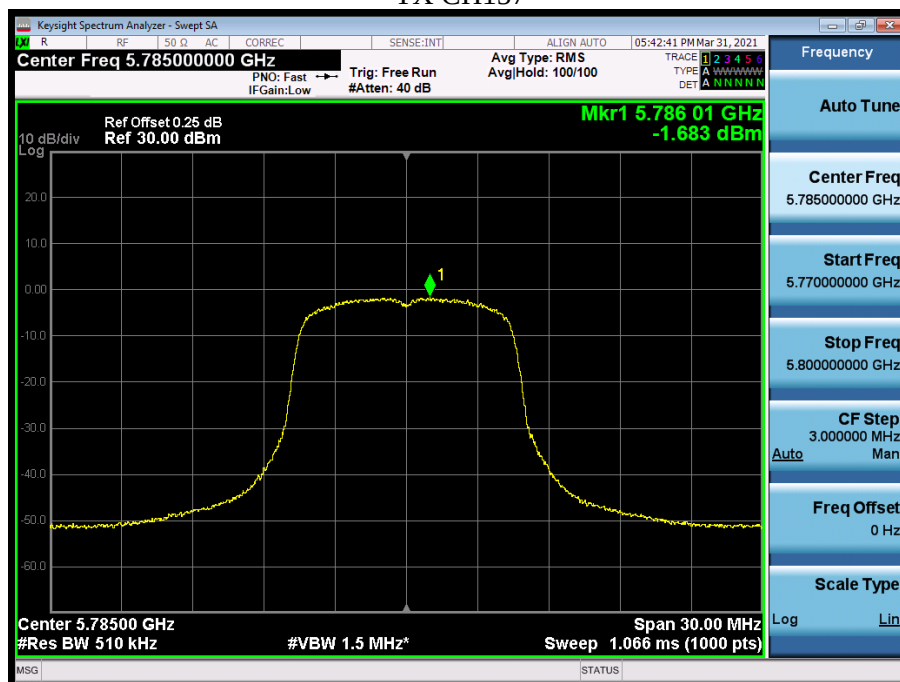
TX CH165



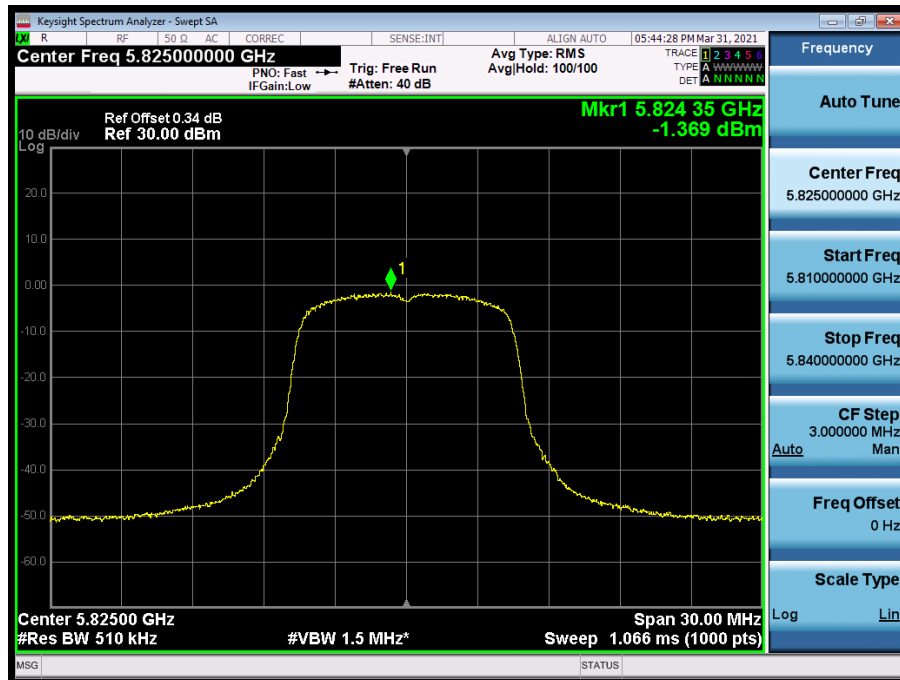
802.11n(20M) (5.725GHz-5.85GHz) TX CH149



TX CH157



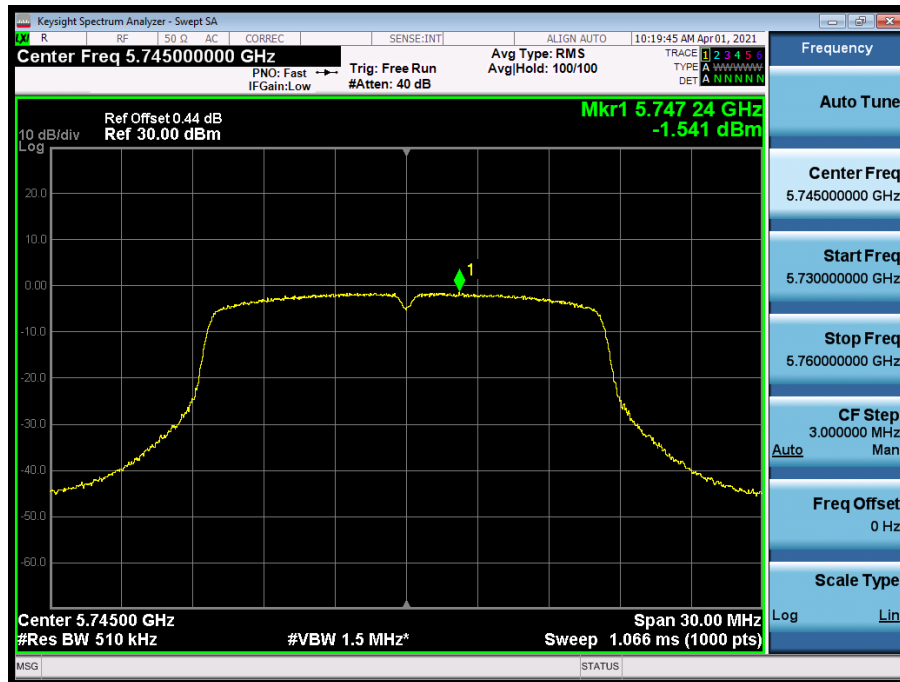
TX CH165



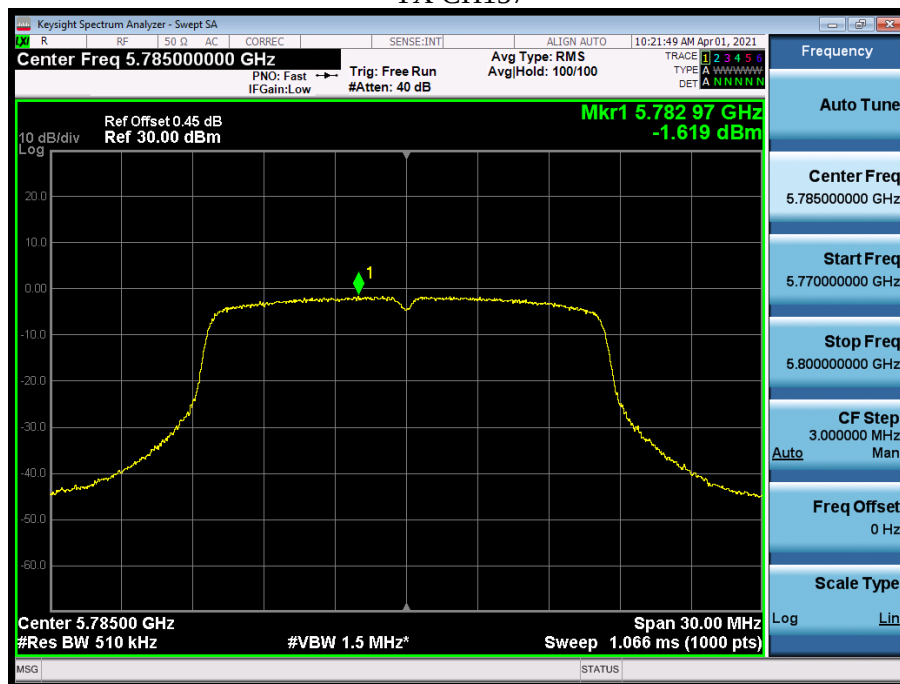
EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC11.55V from battery
Test Mode :	TX 802.11a/n20 -20MHz		
Test Date :	2021-04-01		

802.11a(5.725GHz-5.85GHz)Data rate 6Mbps							
Channel	Channel Frequency (MHz)	Power Density (MHz)				Limit (dBm)	Result
		ANT1	ANT2	ANT3	ANT4		
CH 149	5745	-1.541	-1.596	-1.876	-1.740	30	Pass
CH 157	5785	-1.619	-1.669	-1.992	-1.626	30	Pass
CH 165	5825	-1.478	-1.754	-2.179	-3.929	30	Pass

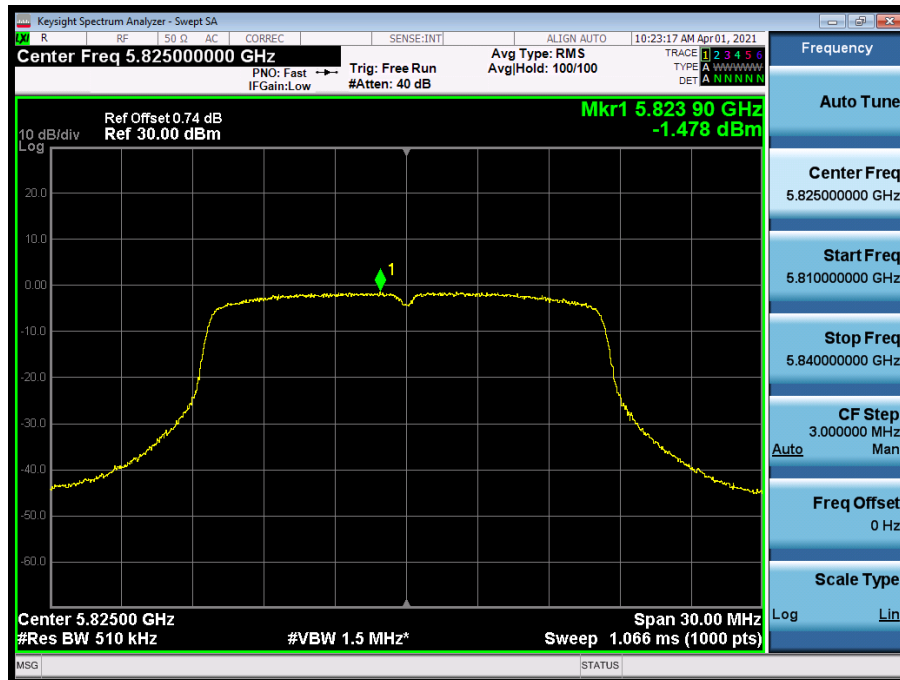
802.11n(20M) (5.725GHz-5.85GHz)Data rate 13Mbps											
Channel	Channel Frequency (MHz)	Power Density (MHz)								Limit (dBm)	Result
		ANT1	ANT2	ANT3	ANT4	ANT 1+2	ANT 3+4	ANT 1+3	ANT 2+4		
CH 149	5745	-3.358	-3.574	-4.385	-3.902	-0.45	-1.13	-0.83	-0.72	30	Pass
CH 157	5785	-3.949	-4.096	-4.647	-4.028	-1.01	-1.32	-1.27	-1.05	30	Pass
CH 165	5825	-3.803	-4.169	-4.603	-3.972	-0.97	-1.27	-1.17	-1.06	30	Pass

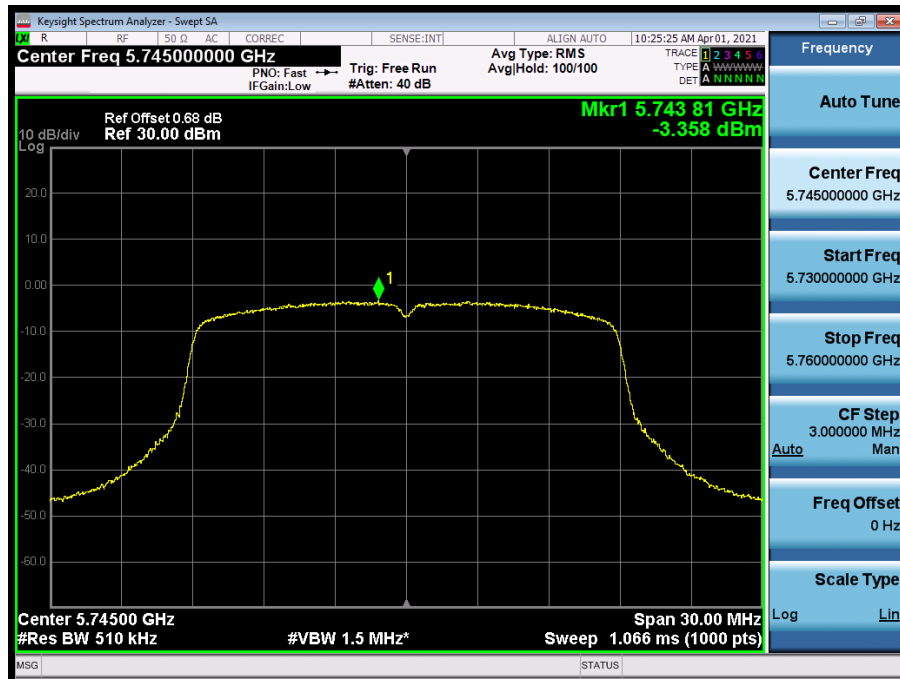
802.11a (5.725GHz-5.85GHz)
TX CH149

TX CH157

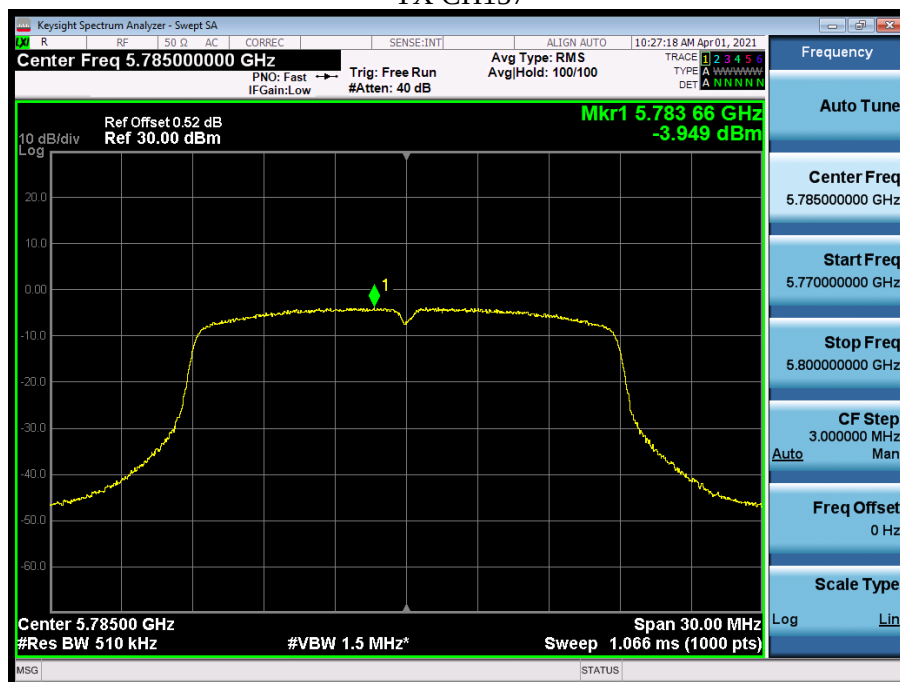


TX CH165



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

TX CH157



TX CH165



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

- a. 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 :	ANAFI USA	Model Name :	anamk3
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC11.55V from battery
Test Mode :	TX 802.11a/n20 Mode-10MHz		
Test Date :	2021-03-31		

802.11a Data rate 6Mbps							
Channel	Channel Frequency (MHz)	Output Power (dBm)				Limit (dBm)	Result
		ANT1	ANT2	ANT3	ANT4		
CH149	5745	13.46	12.93	13.45	13.21	30	Pass
CH157	5785	13.30	12.96	13.08	12.96	30	Pass
CH165	5825	13.15	13.05	12.84	12.62	30	Pass

802.11n(20M) Data rate 13Mbps											
Channel	Channel Frequency (MHz)	Output Power (dBm)								Limit (dBm)	Result
		ANT1	ANT2	ANT3	ANT4	ANT 1+2	ANT 3+4	ANT 1+3	ANT 2+4		
CH149	5745	11.26	10.31	11.13	10.92	13.82	14.04	14.21	13.64	30	Pass
CH157	5785	11.12	11.05	11.01	10.28	14.10	13.67	14.08	13.69	30	Pass
CH165	5825	11.10	10.74	10.28	10.59	13.93	13.45	13.72	13.68	30	Pass

EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC11.55V from battery
Test Mode :	TX 802.11a/n20 Mode-20MHz		
Test Date :	2021-04-01		

802.11a Data rate 6Mbps							
Channel	Channel Frequency (MHz)	Output Power (dBm)				Limit (dBm)	Result
		ANT1	ANT2	ANT3	ANT4		
CH149	5745	16.43	15.91	15.49	16.12	30	Pass
CH157	5785	16.24	15.81	16.02	15.30	30	Pass
CH165	5825	16.19	15.70	15.54	15.32	30	Pass

802.11n(20M) Data rate 13Mbps											
Channel	Channel Frequency (MHz)	Output Power (dBm)								Limit (dBm)	Result
		ANT1	ANT2	ANT3	ANT4	ANT 1+2	ANT 3+4	ANT 1+3	ANT 2+4		
CH149	5745	12.18	11.31	12.17	11.38	14.78	15.19	14.80	14.36	30	Pass
CH157	5785	12.13	11.88	11.37	11.41	15.02	14.78	14.40	14.66	30	Pass
CH165	5825	12.16	11.74	11.28	11.43	14.97	14.75	14.37	14.60	30	Pass

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



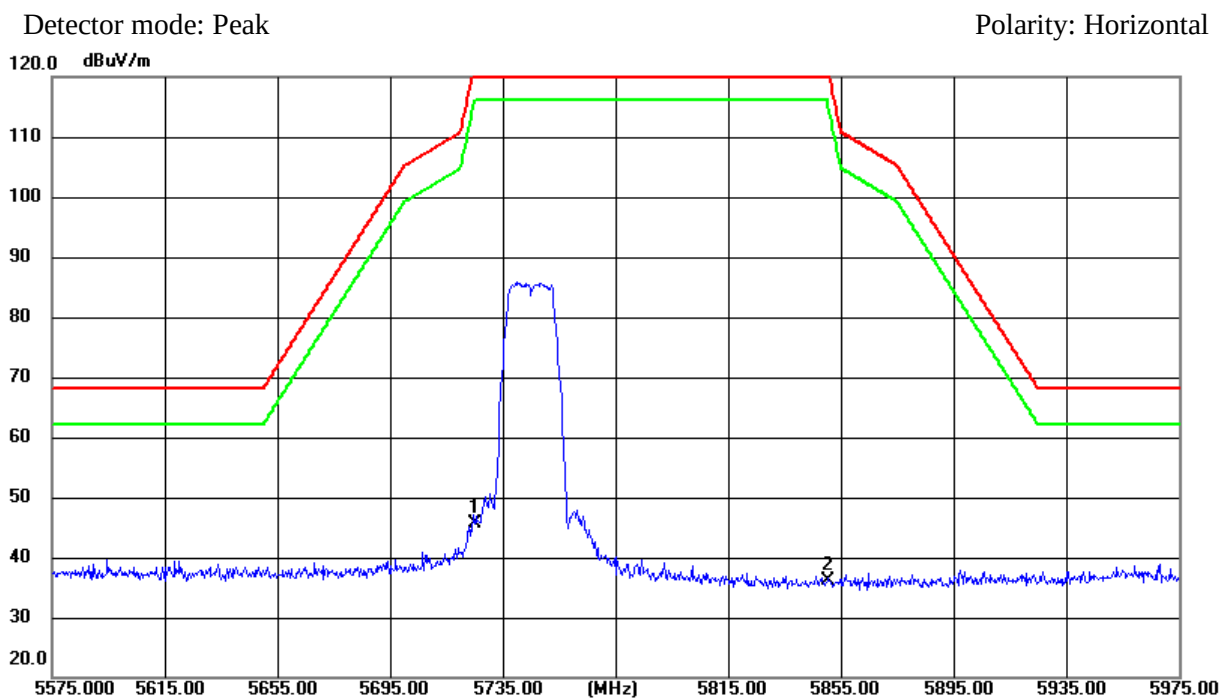
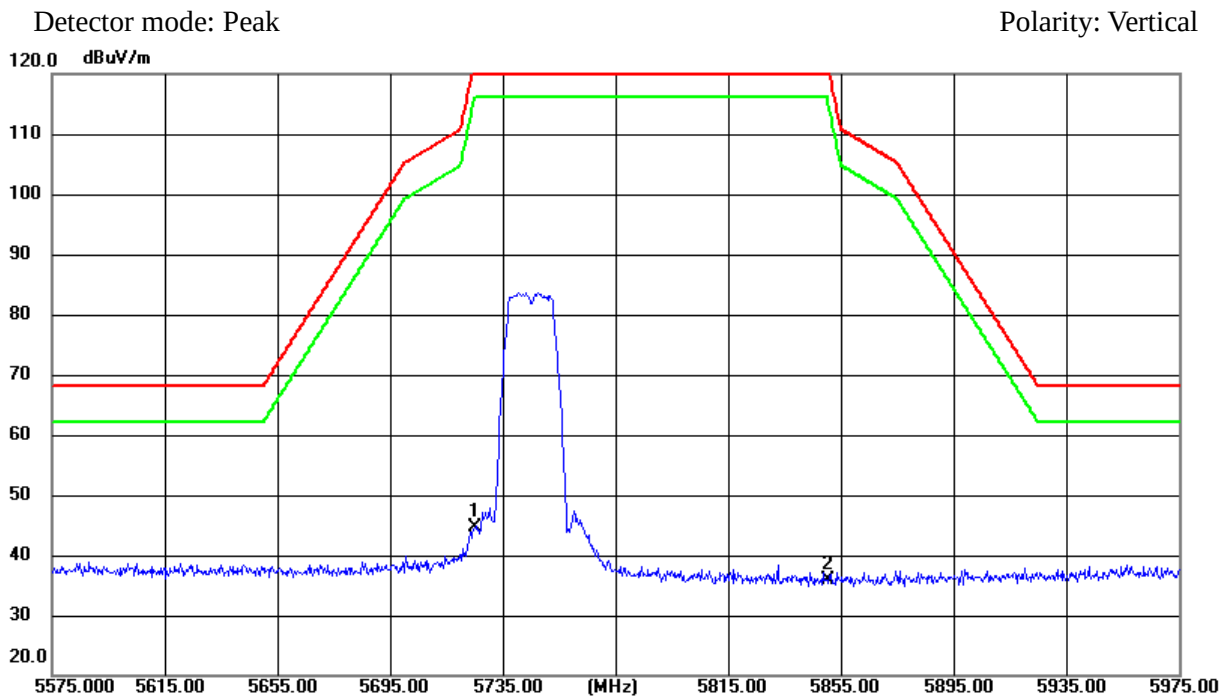
7.4 EUT OPERATION CONDITIONS

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

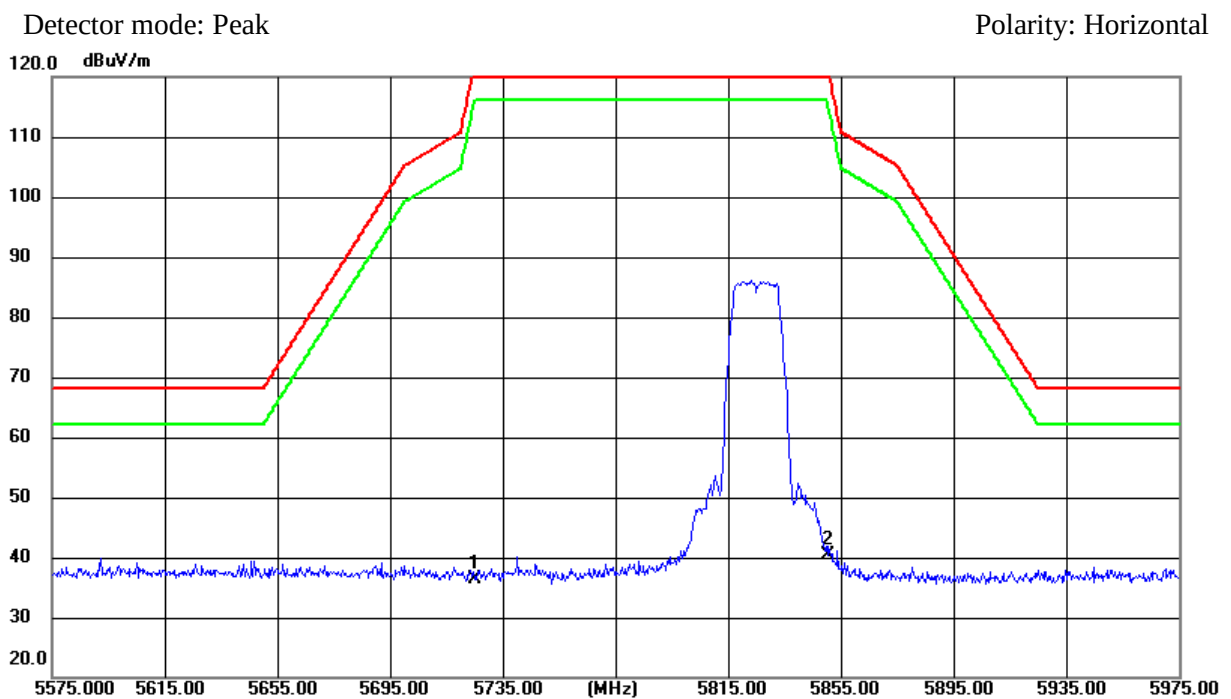
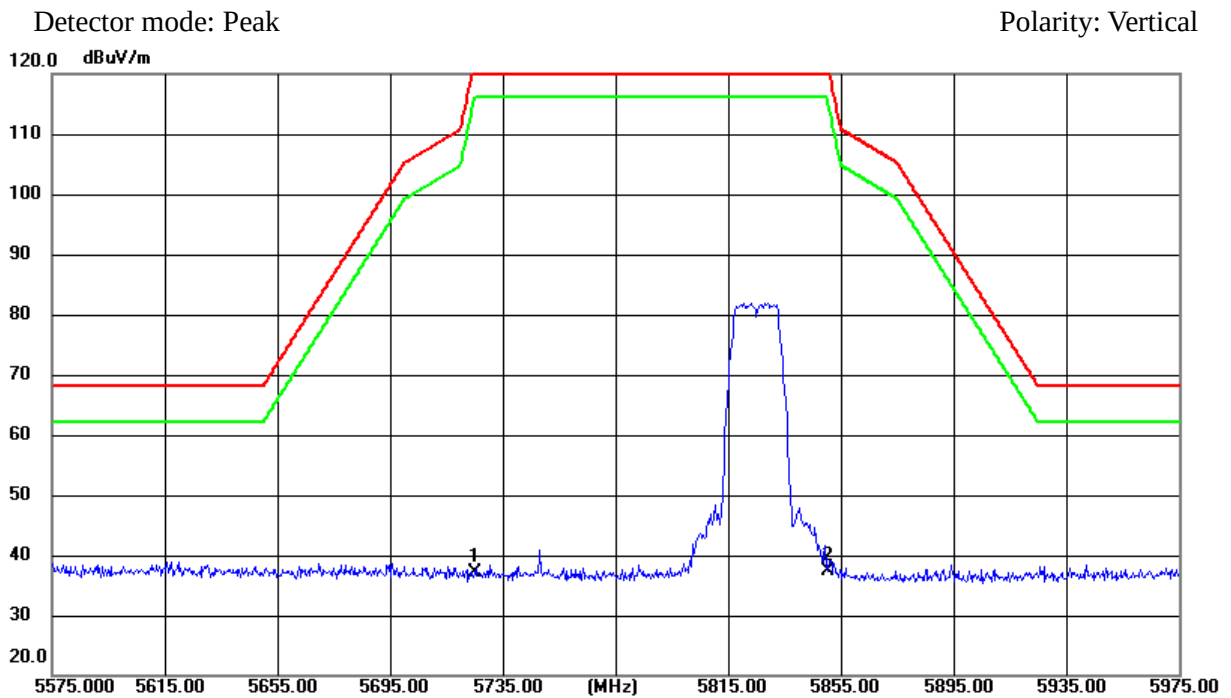
EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC11.55V from battery
Test Mode :	802.11a CH 149		
Test Date :	2021-04-21		
Note :	In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that 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	40.66	3.95	44.61	122.20	CH 149
5850.000	V	31.94	3.96	35.90	122.20	CH 149
5725.000	H	41.75	3.95	45.70	122.20	CH 149
5850.000	H	32.28	3.96	36.24	122.20	CH 149



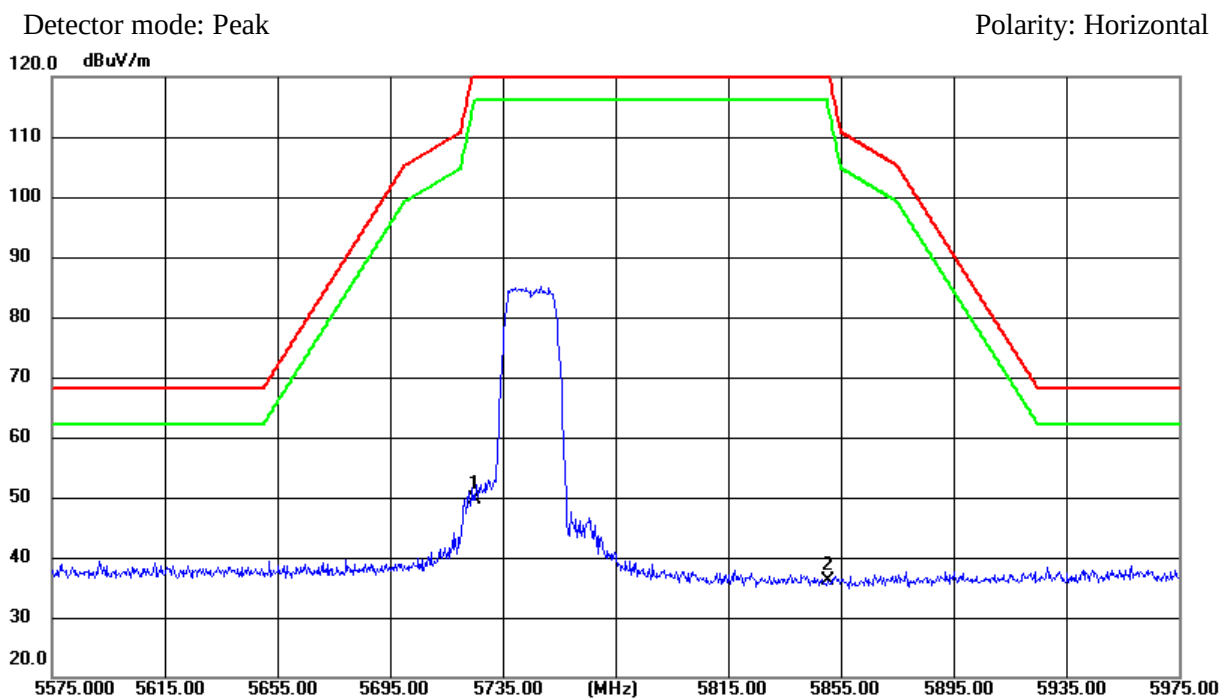
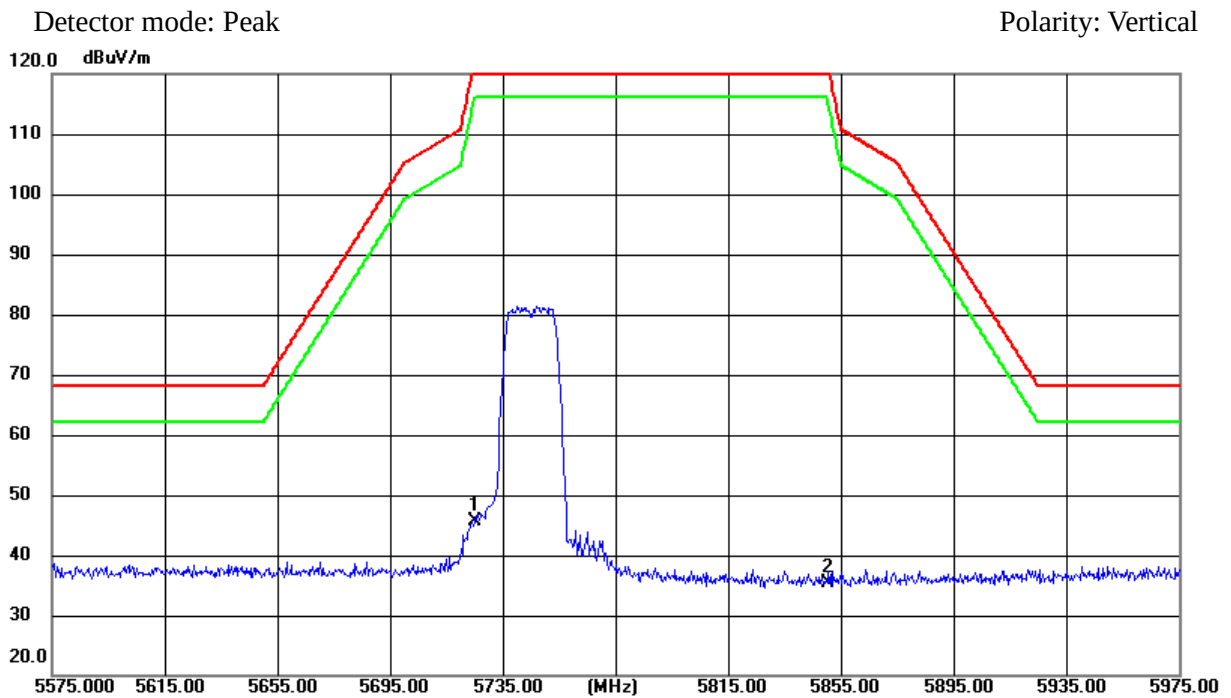
EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC11.55V from battery
Test Mode :	802.11a CH 165		
Test Date :	2021-04-21		
Note :	In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below that 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	33.30	3.95	37.25	122.20	CH 165
5850.000	V	33.31	3.96	37.27	122.20	CH 165
5725.000	H	32.48	3.95	36.43	122.20	CH 165
5850.000	H	36.45	3.96	40.41	122.20	CH 165



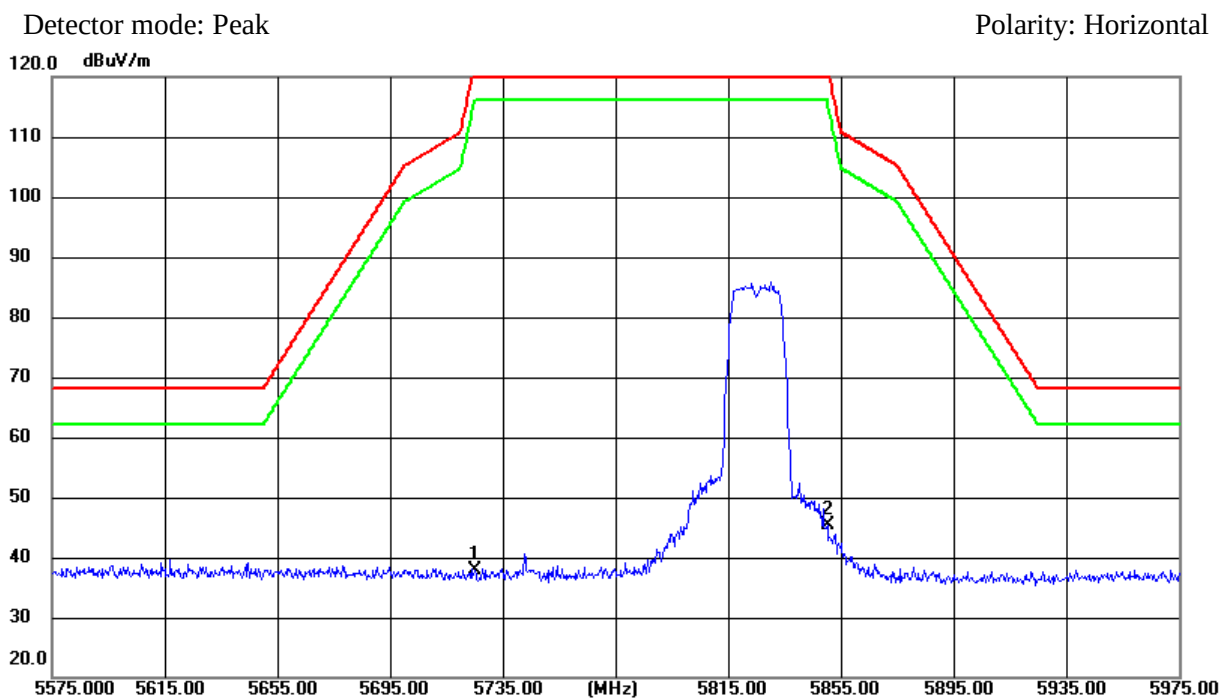
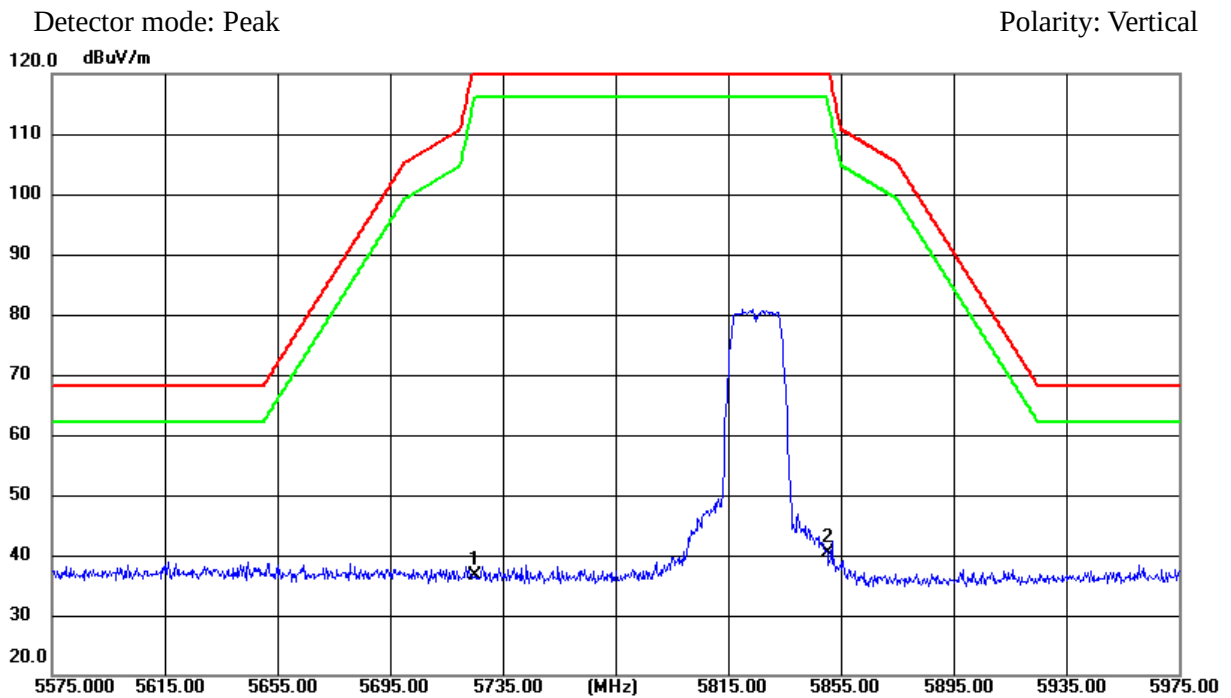
EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC11.55V from battery
Test Mode :	802.11n20(5G) CH 149		
Test Date :	2021-04-21		
Note :	In any 100kHz bandwidth outside the frequency band, the radio frequency power is at least 20dB below 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	41.74	3.95	45.69	122.20	CH 149
5850.000	V	31.42	3.96	35.38	122.20	CH 149
5725.000	H	45.56	3.95	49.51	122.20	CH 149
5850.000	H	32.05	3.96	36.01	122.20	CH 149



EUT :	ANAFI USA	Model Name :	anamk3
Temperature :	25 °C	Relative Humidity :	56%
Pressure :	1010 hPa	Test Voltage :	DC11.55V from battery
Test Mode :	802.11n20(5G) CH 165		
Test Date :	2021-04-21		
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	32.70	3.95	36.65	122.20	CH 165
5850.000	V	36.42	3.96	40.38	122.20	CH 165
5725.000	H	33.91	3.95	37.86	122.20	CH 165
5850.000	H	41.47	3.96	45.43	122.20	CH 165



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 Integral antenna 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 ****