ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

CLASS II & IV PC REPORT

OF

Applicant:	Framework Computer Inc 1870 Ogden Dr, Burlingame, CA, 94010
Product Name:	Intel WiFi 6E AX210 Module
Brand Name:	Framework
Model No.:	AX210NGW
Model Difference:	N/A
Report Number:	ER/2021/40095
FCC ID	2AZR6-FRANBBAT12
IC:	27217-FRANBBAT12
FCC Rule Part:	§15.247, Cat: DTS
IC RSS:	RSS-247 issue 2 Feb 2017
Issue Date:	July 9, 2021
Date of Test:	June 7, 2021- June 15, 2021
Date of EUT Received:	April 29, 2021

We hereby certify that:
The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits.
The test results of this report relate only to the tested sample identified in this report.

Approved By: _____

Blue Yang / Asst. Manager

Testing Laboratory
3702

Revision History				
Report Number	**Revision**	**Description**	**Issue Date**	**Revised By**
ER/2021/40095	00	Original.	July 9, 2021	Karen Huang

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1 GENERAL INFORMATION

1.1 Product description

Product Name of Host:	Portable Computer
Brand Name of Host:	Framework
Marketing Name of Host:	Framework Laptop
Model No. of Host:	FRANBP0000
Hardware Version:	N/A
Software Version:	N/A
Model No. of BT/WLAN Module:	AX210NGW
Scope:	AX210NGW INSTALLED IN Notebook Computer
Class II & Class IV Permissive change:	The test report covers the radiated emissions requirements of the standards referenced in the report to allow system level approval of the module in this specific host.
EUT Series No.:	1D300C2C-E2EA-479B-990C-0F8D63BEC3DC
Power Supply:	15.4V DC from rechargeable Li-ion battery or 5.0V=3.0A 15.0W, 9.0V=3.0A 27.0W, 15.0V=3.0A 45.0W, 20.0V=3.0A 60.0W from adapter.

Wi-Fi 802.11	Frequency Range	Channels	Modulation Technology
b	2412-2472	13	DSSS,
g			OFDM / OFDMA
n_HT20 ax_HE20			
n_HT40 ax_HE40	2422-2462	9	
Modulation type:	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM for OFDMA in 802.11ax only		
Transistion Rate:	802.11 b: 1/2/5.5/11 Mbps 802.11 g: 6/9/12/18/24/36/48/54 Mbps 802.11 n_20MHz: 6.5 – 144.4Mbps 802.11 n_40MHz: 13.5 – 300.0Mbps 802.11 ax_HE20MHz: 8 –286.8 Mbps 802.11 ax_HE40MHz: 16 -573.6 Mbps		

1.2 Antenna Designation

Antenna Type	Brand	Main / Aux	Antenna Part No.	Freq.	Peak Antenna Gain (dBi)	Worst Antenna Gain
PIFA	AWAN	Main	AXF6Y200005(DC33002JW00)	2.4GHz	0.365	-
		Aux		2.4GHz	1.238	-

Note:
1. Pre-scanned was done on the above antennas, measurements were demonstrated by using the antenna with the highest gain as the worst case scenarios.
2. Antenna information is provided by the applicant.

1.3 Test Methodology of Applied Standards

FCC Part 15, Subpart C §15.247
FCC KDB 558074 D01 15.247 Meas Guidance v05r02
FCC KDB 662911 D01 Multiple Transmitter Output v02r01
RSS-247 issue 2 Feb. 2017
RSS-Gen Issue 5, Amendment 2, February 2021
ANSI C63.10:2013

1.4 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1	TW0027	TW3702
		SAC 3		
		Conduction 1		
		Conducted 1		
		Conducted 2		
		Conducted 3		
		Conducted 4		
		Conducted 5		
		Conducted 6		
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction A	TW0028	
		SAC C		
		SAC D		
		SAC G		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
		Conducted G		

Note: Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.

1.5 Special Accessories

There are no special accessories used while test was conducted.

1.6 Equipment Modifications

There was no modification incorporated into the EUT.

2 SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

2.3 Test Procedure

2.3.1 Radiated Emissions

The EUT is a placed on a turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made “while keeping the antenna in the ‘cone of radiation’ from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response.” is still within the 3dB illumination BW of the measurement antenna.

2.4 Measurement Results Explanation Example

2.4.1 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m*9m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.
There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

2.5 Configuration of Tested System

Fig. 2-1 Radiated Emission configuration

Table 2-1 Equipment Used in Tested System

Item	Equipment	MRF/Brand	Model/Type No.	Series No.	Version
1.	DRTU	N/A	N/A	N/A	21.350120.0.0-01117

3 SUMMARY OF TEST RESULTS

FCC Rules	IC Rules	Description Of Test	Result
§15.209 §15.247(d)	RSS-247 §5.5 RSS-Gen §8.9 RSS-Gen §8.10 RSS-Gen §6.13	Spurious Emission	Compliant

4 DESCRIPTION OF TEST MODES

4.1 Operated in 2400 ~ 2483.5MHz Band

13 channels are provided for 802.11b/g/n/ax 20M.

CHANNEL	FREQUENCY (MHz)
1	2412
2	2417
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462
12	2467
13	2472

11 channels are provided for 802.11n/ax 40M

CHANNEL	FREQUENCY (MHz)
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462

4.2 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.
3. Investigation has been done on all the possible configurations for searching the worst case.

   The given UE is pre-scanned among below modes.

Modulation	Transmission Chain				Single Transmission Spatial	Multiple Transmission Spatial
☒ 802.11 b	☒ Ch0	☒ Ch1	☐ Ch2	☐ Ch3	☒ 1TX	☐ 2TX
☒ 802.11 g	☒ Ch0	☒ Ch1	☐ Ch2	☐ Ch3	☒ 1TX	☐ 2TX
☒ 802.11 n	☒ Ch0	☒ Ch1	☐ Ch2	☐ Ch3	☒ SISO	☒ MIMO
☒ 802.11 ax	☒ Ch0	☒ Ch1	☐ Ch2	☐ Ch3	☒ SISO	☒ MIMO

4. Therefore, below summary is the modes of test configuration that yield the highest reading and generate the highest emission chosen to carry out the relevantly mandatory test items.

4.3 Radiated Emission Test:

RADIATED EMISSION TEST (BELOW 1 GHz)					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11g	1 to 13	7	OFDM	6	Ch0
802.11ax (HE40)	3 to 11	7	OFDMA	MCS0	MIMO

RADIATED EMISSION TEST (ABOVE 1 GHz)					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11b	1 to 13	1,7,11,12,13	DSSS	1	Ch0
802.11g	1 to 13	1,7,11,12,13	OFDM	6	Ch0
802.11n (HT20)	1 to 13	1,7,11,12,13	OFDM	MCS8	MIMO
802.11n (HT40)	3 to 11	3,7,9,10,11	OFDM	MCS8	MIMO
802.11ax (HE20)	1 to 13	1,7,11,12,13	OFDMA	MCS0	MIMO
802.11ax (HE40)	3 to 11	3,7,9,10,11	OFDMA	MCS0	MIMO

Note: The field strength of radiation emission was measured as **NB plane**.

5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty		
AC Power Line Conducted Emission	+/-	2.34	dB
Emission Bandwidth	+/-	1.53	Hz
The Maximum Output Power Measurement	+/-	1	dB
Peak Power Spectral Density Measurement	+/-	1.53	dB
Frequency Stability	+/-	1.53	Hz
Temperature	+/-	0.4	°C
Humidity	+/-	3.5	%
DC / AC Power Source	+/-	1	%

Radiated Spurious Emission Measurement Uncertainty				
Polarization: Vertical	**+/-**	**2.64**	**dB**	9kHz~30MHz
	+/-	**4.93**	**dB**	30MHz - 1000MHz
	+/-	**4.81**	**dB**	1GHz - 18GHz
	+/-	**4.52**	**dB**	18GHz - 40GHz
Polarization: Horizontal	**+/-**	**2.64**	**dB**	9kHz~30MHz
	+/-	**4.45**	**dB**	30MHz - 1000MHz
	+/-	**4.81**	**dB**	1GHz - 18GHz
	+/-	**4.52**	**dB**	18GHz - 40GHz

Note:

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

6 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

6.1 Standard Applicable

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands must also comply with the §15.209 and RSS-Gen §8.9 Table 5 and 6 limit as below. And according to §15.33(a) (1) & RSS-Gen §6.13.2.a, for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Note:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBμV/m) = 20 log Emission level (μV/m)

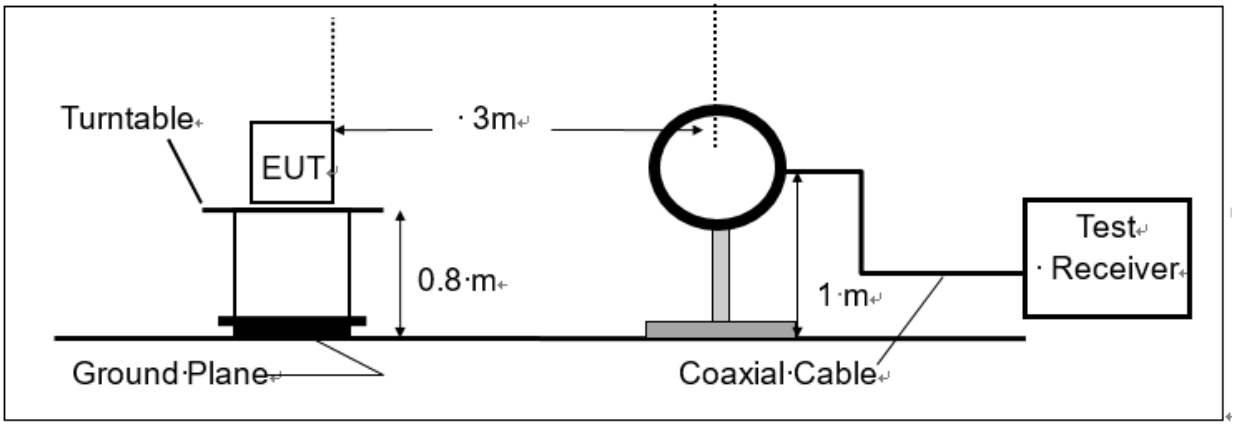
6.2 Measurement Equipment Used:

Radiated Emission Test Site: SAC 3					
EQUIPMENT TYPE	**MFR**	**MODEL NUM-BER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
Horn Antenna	SCHWARZBECK	BBHA9170	184	12/11/2020	12/10/2021
Horn Antenna	SCHWARZBECK	BBHA9120D	1441	10/16/2020	10/15/2021
Bi-log Antenna	SCHWARZBECK	VULB9168	378	08/06/2020	08/05/2021
Loop Antenna	ETS.LINDGREN	6502	148045	10/19/2020	10/18/2021
PXA Spectrum Ana-lyzer	Agilent	N9030A	MY53120760	04/27/2021	04/26/2022
EMI Test Receiver	R&S	ESCI 7	100759	07/13/2020	07/12/2021
Pre-Amplifier	HP	8449B	3008A00578	12/16/2020	12/15/2021
Pre-Amplifier	EMC Instruments	EMC184045B	980135	12/16/2020	12/15/2021
Pre-Amplifier	HP	8447D	2944A07676	12/16/2020	12/15/2021
Attenuator	Mini-Circuit	BW-S10W2+	4	12/16/2020	12/15/2021
Filter 2400-2483.5 MHz	EWT	EWT-14-0166	M1	12/16/2020	12/15/2021
High Pass Filter	WI	WHKX4.0/18G-10SS	22	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2636/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 104	340057/4	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 104PEA	800052/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2621/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2617/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2630/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY22962/2	12/16/2020	12/15/2021
Site Cal	SGS	SAC III chamber	N/A	01/01/2021	12/31/2021
Test Software	audix	e3	Ver. 6.11-20180413	N.C.R	N.C.R

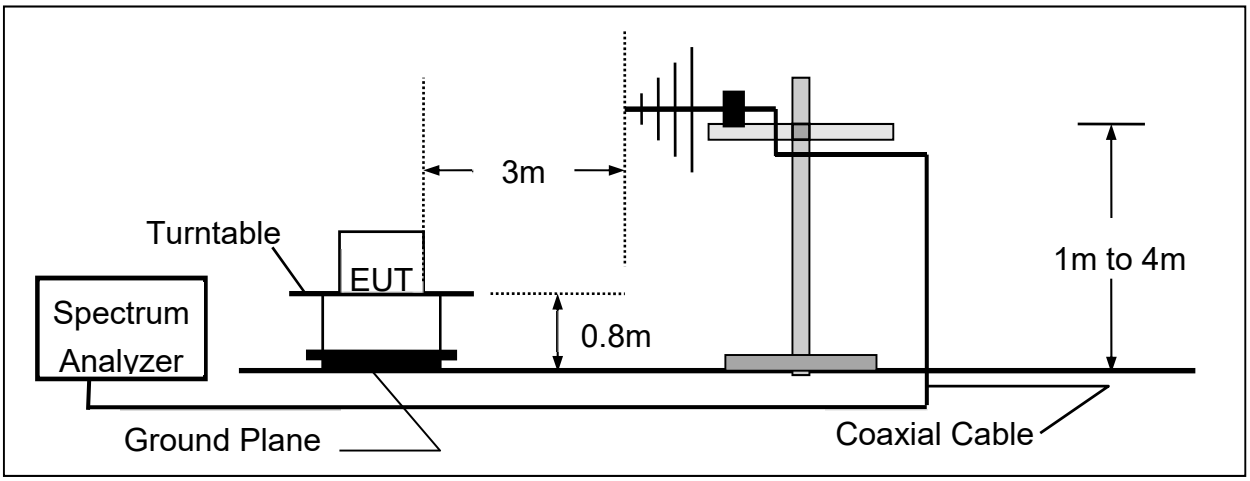
NOTE: *N.C.R refers to Not Calibrated Required.*

6.3 Test SET-UP

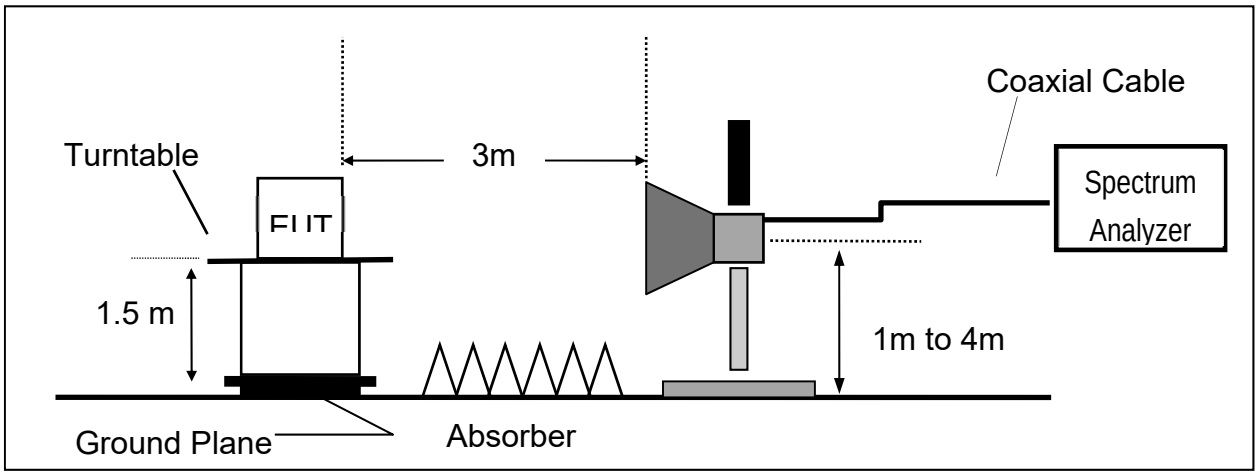
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



(B) Radiated Emission Test Set-Up, Frequency Form 30MHz to 1000MHz



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



6.4 Measurement Procedure

1. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
2. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made “while keeping the antenna in the ‘cone of radiation’ from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response.” is still within the 3dB illumination BW of the measurement antenna.
6. Set the spectrum analyzer as RBW=120 kHz and VBW=300 kHz for Peak Detector (PK) and Quasi-peak (QP) at frequency below 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Peak Detector at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 1/T (Duty cycle < 98%) for Average Detector at frequency above 1 GHz.
9. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. On spectrum, change spectrum mode in linear display mode, and reduce VBW = 10Hz if average reading is measured.
12. Repeat above procedures until all default test channel measured were complete.

6.5 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL – AG

Where *FS = Field Strength* *CL = Cable Attenuation Factor (Cable Loss)*

RA = Reading Amplitude *AG = Amplifier Gain*

AF = Antenna Factor

*The limit of the emission level is expressed in dBuV/m, which converts 20*log(uV/m)*

Actual FS(dBμV/m) = SPA. Reading level(dBμV) + Factor(dB)

Factor(dB) = Antenna Factor(dBμV/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

6.6 Test Results of Radiated Spurious Emissions form 9 kHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

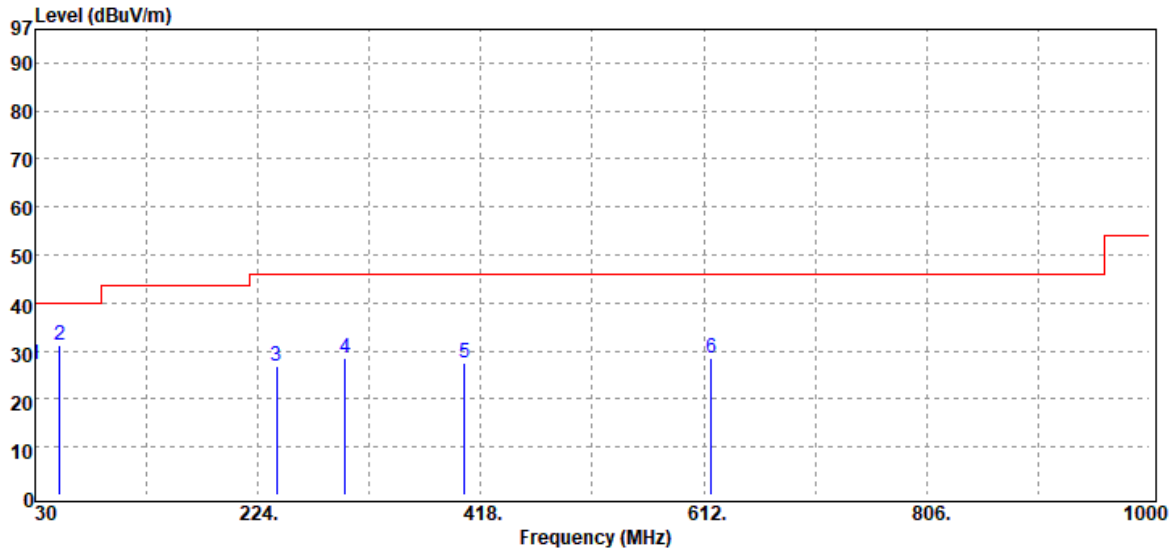
6.7 Measurement Result

Note:

1. *Refer to next page spectrum analyzer data chart and tabular data sheets.*
2. *Measurements are completed at peak and average level, the mark of average is the highest emission in restricted bands*

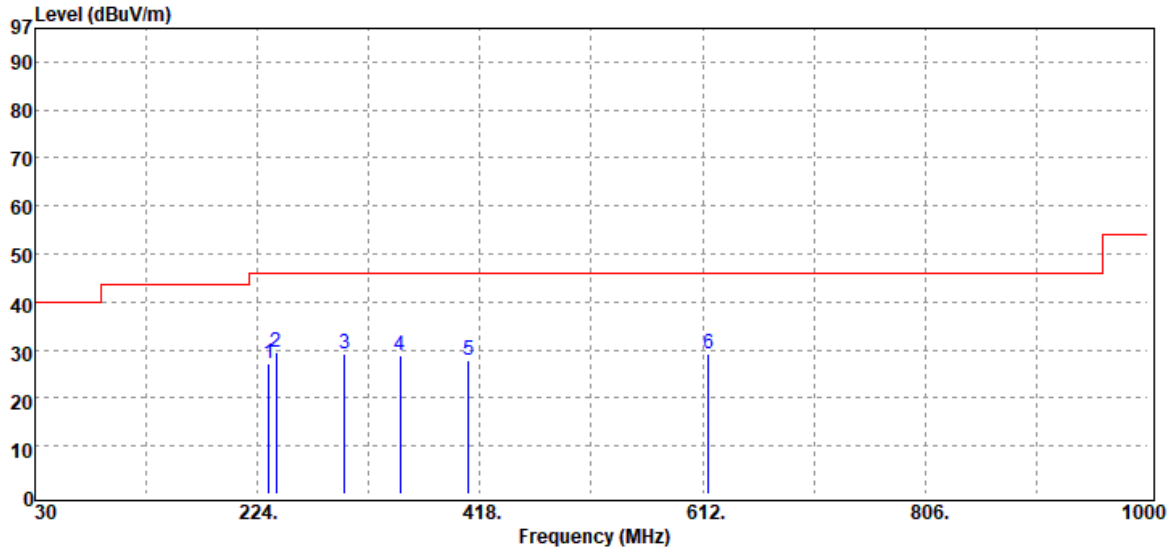
6.7.1 Below 1GHz Worst-Case Emission:

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11g	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



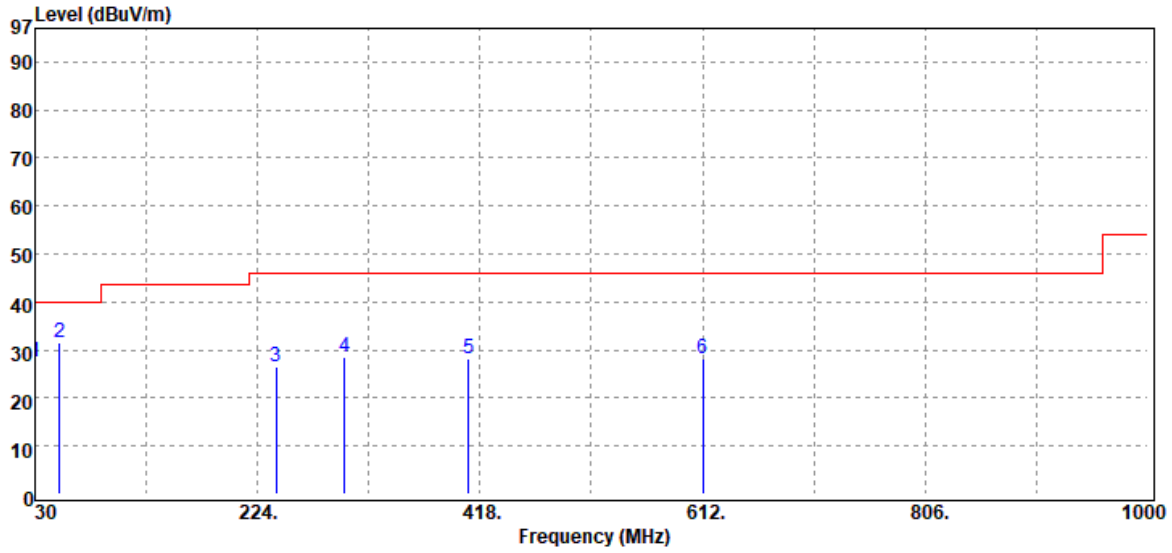
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
30.00	QP	36.72	-9.68	27.04	40.00	-12.96
51.34	Peak	40.01	-8.89	31.12	40.00	-8.88
240.49	Peak	35.98	-9.04	26.94	46.00	-19.06
299.66	Peak	35.20	-6.69	28.51	46.00	-17.49
403.45	Peak	32.54	-4.89	27.65	46.00	-18.35
618.79	Peak	28.80	-0.22	28.58	46.00	-17.42

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11g	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



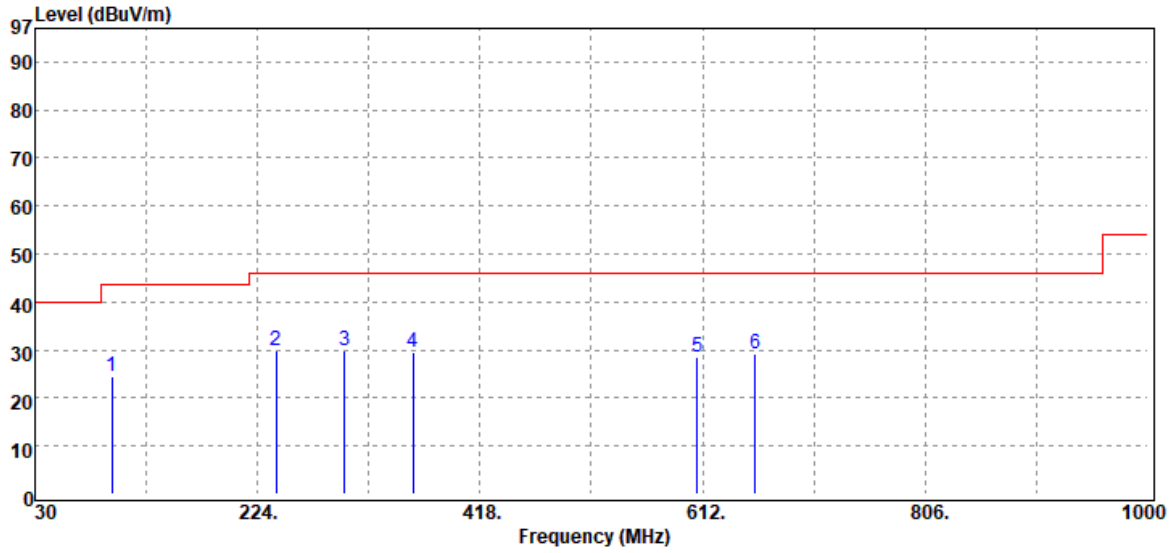
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
233.70	Peak	36.44	-9.42	27.02	46.00	-18.98
240.49	Peak	38.45	-9.04	29.41	46.00	-16.59
299.66	Peak	35.88	-6.69	29.19	46.00	-16.81
348.16	Peak	34.71	-5.81	28.90	46.00	-17.10
408.30	Peak	32.66	-4.82	27.84	46.00	-18.16
616.85	Peak	29.23	-0.13	29.10	46.00	-16.90

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax40 RU full RU full	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
30.00	QP	37.32	-9.68	27.64	40.00	-12.36
51.34	Peak	40.55	-8.89	31.66	40.00	-8.34
240.49	Peak	35.63	-9.04	26.59	46.00	-19.41
299.66	Peak	35.14	-6.69	28.45	46.00	-17.55
408.30	Peak	32.89	-4.82	28.07	46.00	-17.93
612.00	Peak	28.15	0.02	28.17	46.00	-17.83

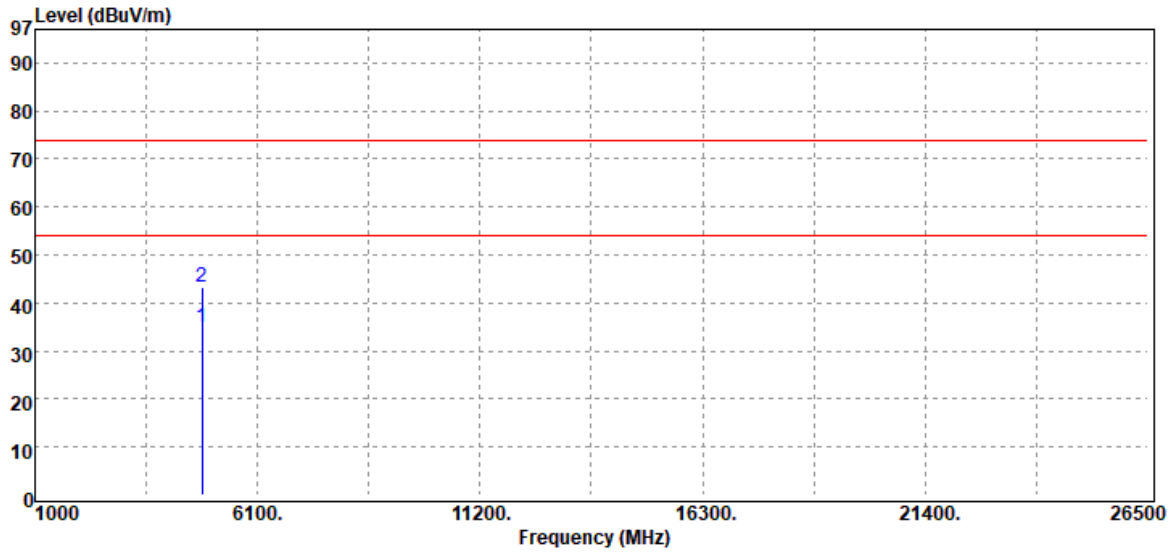
Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax40 RU full RU full	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
96.93	Peak	38.13	-13.61	24.52	43.50	-18.98
240.49	Peak	38.89	-9.04	29.85	46.00	-16.15
299.66	Peak	36.51	-6.69	29.82	46.00	-16.18
359.80	Peak	35.12	-5.64	29.48	46.00	-16.52
607.15	Peak	28.59	-0.06	28.53	46.00	-17.47
657.59	Peak	29.77	-0.70	29.07	46.00	-16.93

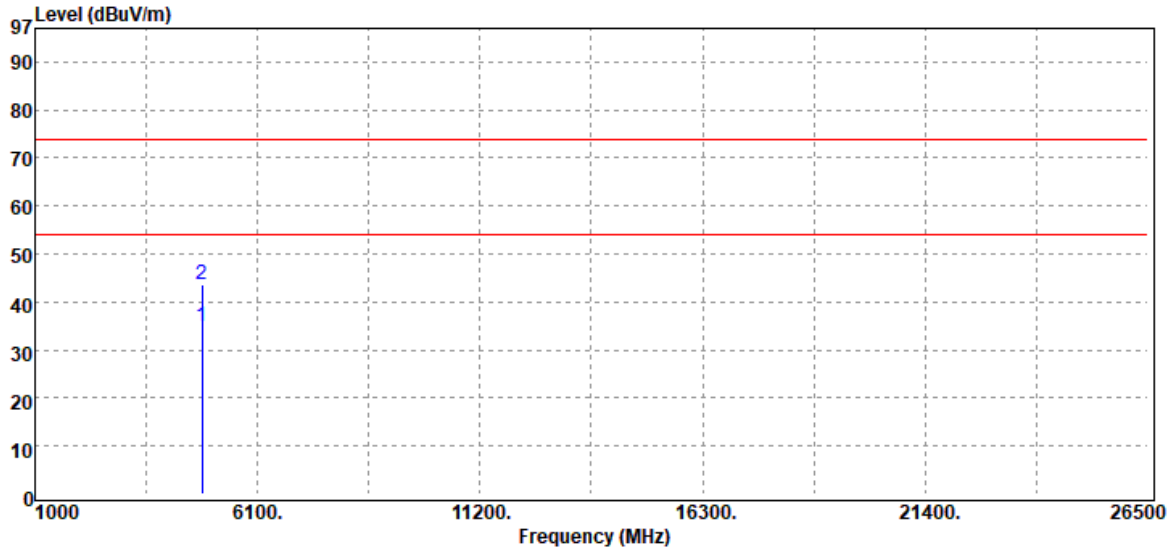
6.7.1 Above 1GHz Emission:

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11b	Test Date	:2021-06-08
Test Frequency	:2412 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



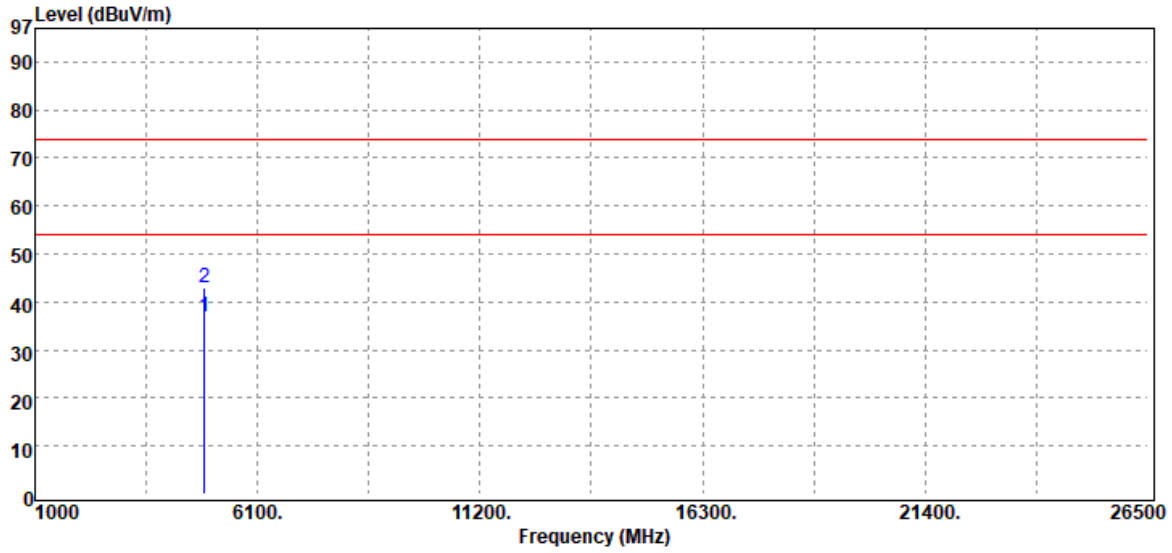
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4824.00	Average	27.53	7.38	34.91	54.00	-19.09
4824.00	Peak	36.08	7.38	43.46	74.00	-30.54

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11b	Test Date	:2021-06-08
Test Frequency	:2412 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



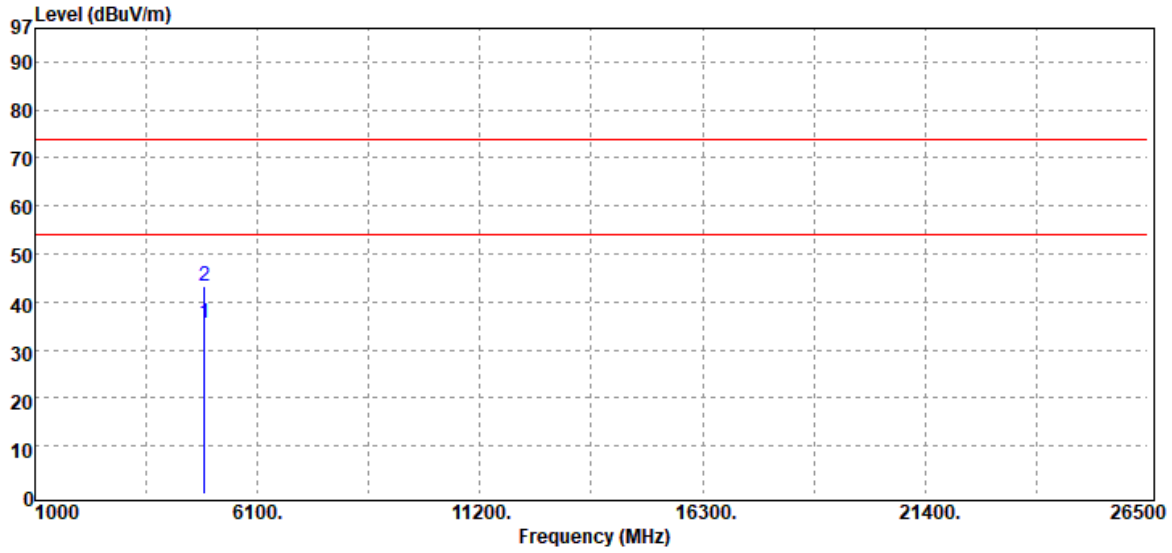
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4824.00	Average	27.53	7.38	34.91	54.00	-19.09
4824.00	Peak	36.22	7.38	43.60	74.00	-30.40

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11b	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



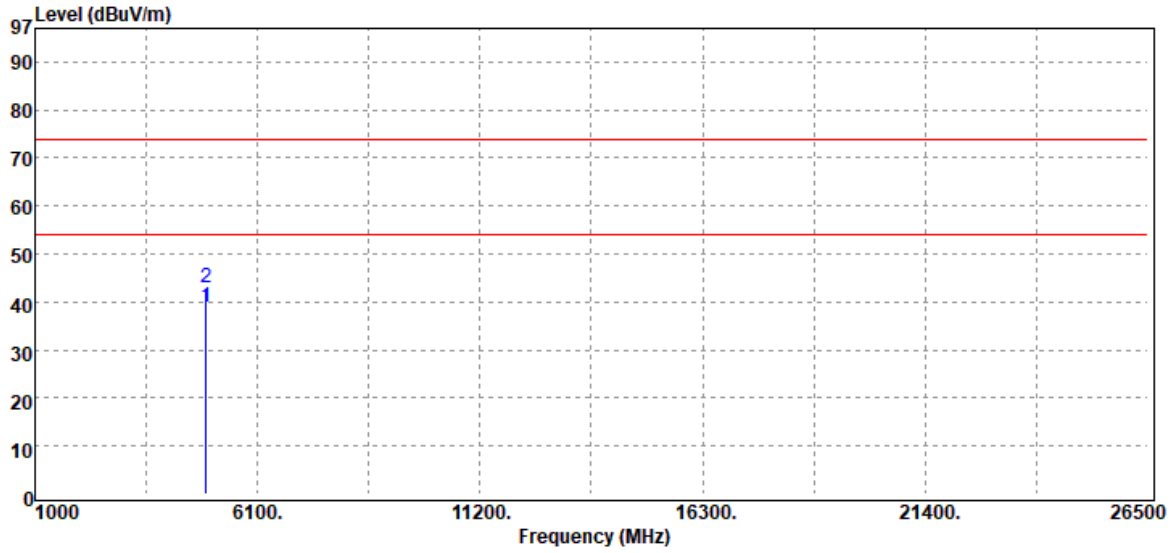
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	29.78	7.01	36.79	54.00	-17.21
4884.00	Peak	36.06	7.01	43.07	74.00	-30.93

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11b	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



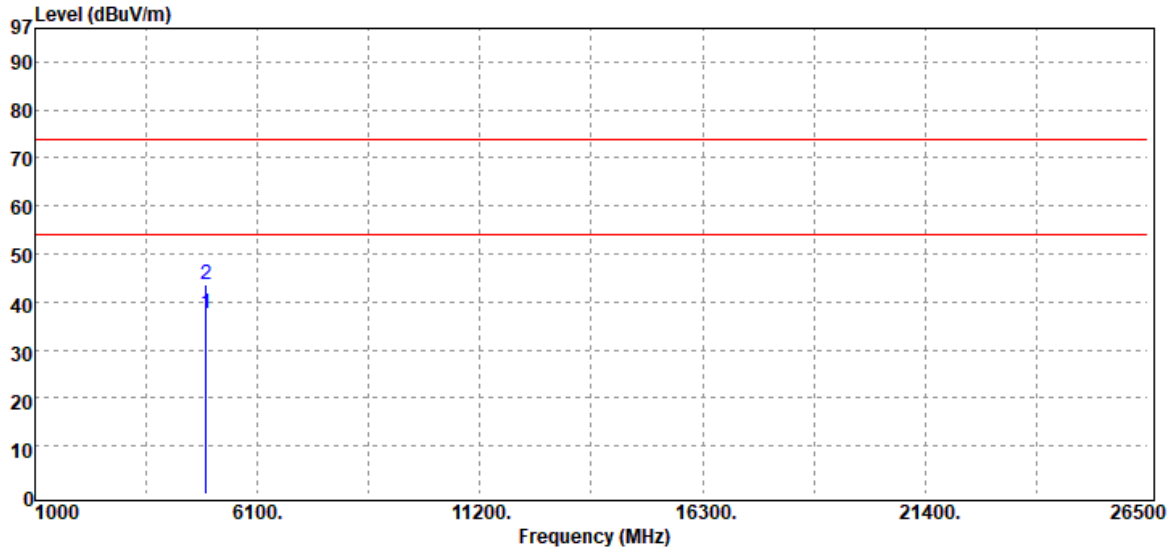
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	28.48	7.01	35.49	54.00	-18.51
4884.00	Peak	36.38	7.01	43.39	74.00	-30.61

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11b	Test Date	:2021-06-08
Test Frequency	:2462 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



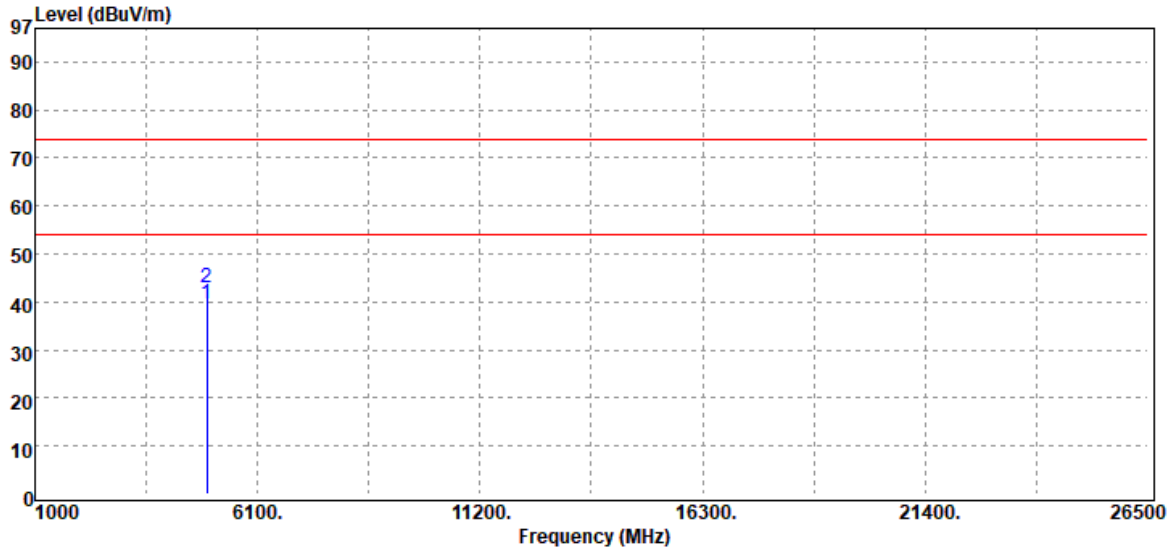
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Average	31.97	7.06	39.03	54.00	-14.97
4924.00	Peak	35.75	7.06	42.81	74.00	-31.19

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11b	Test Date	:2021-06-08
Test Frequency	:2462 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



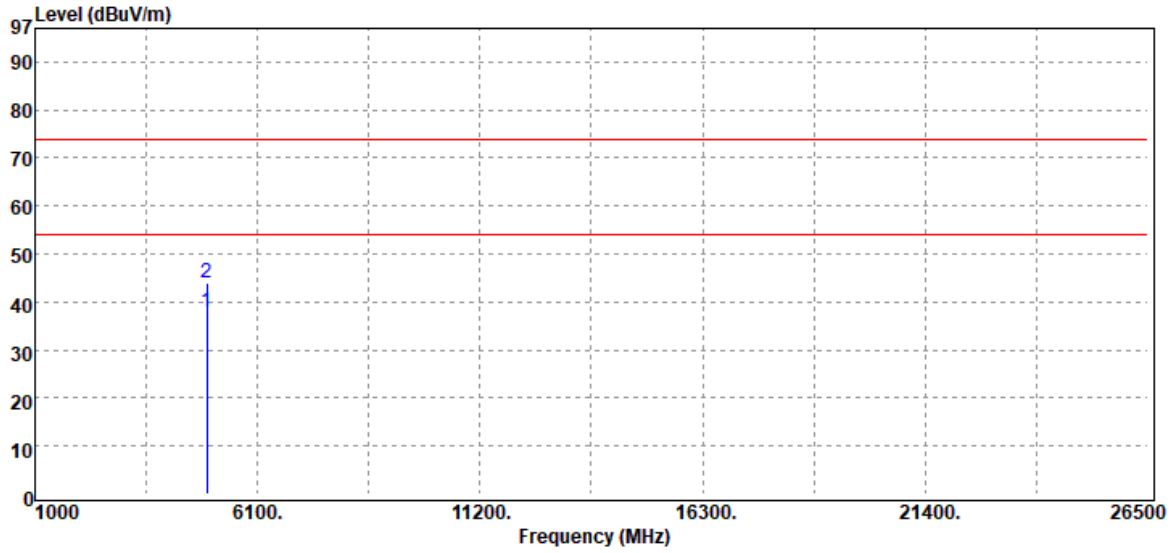
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Average	30.62	7.06	37.68	54.00	-16.32
4924.00	Peak	36.55	7.06	43.61	74.00	-30.39

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11b	Test Date	:2021-06-08
Test Frequency	:2467 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



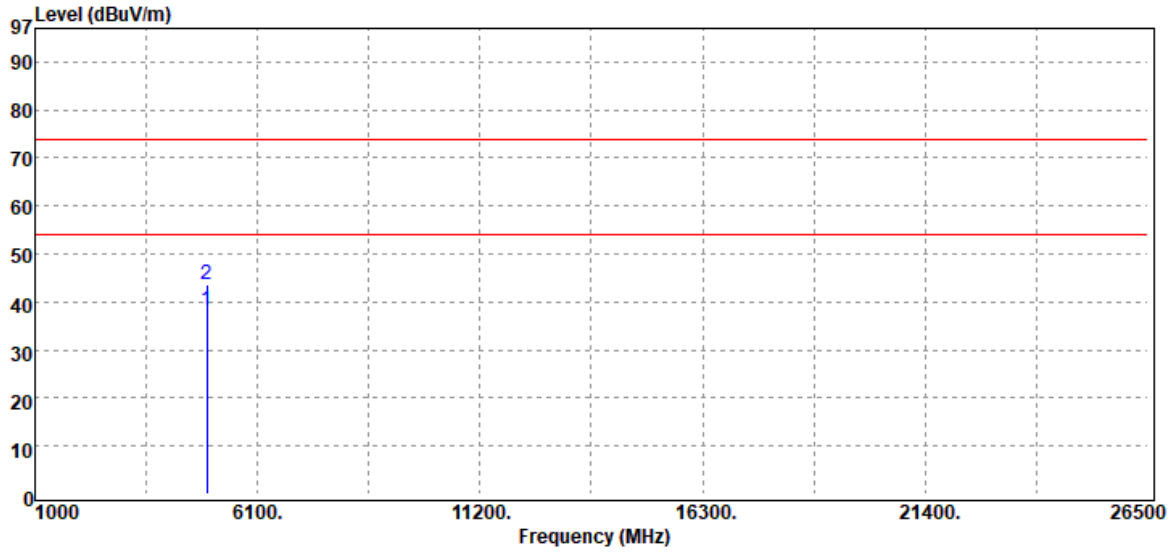
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4934.00	Average	32.31	7.14	39.45	54.00	-14.55
4934.00	Peak	35.87	7.14	43.01	74.00	-30.99

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11b	Test Date	:2021-06-08
Test Frequency	:2467 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



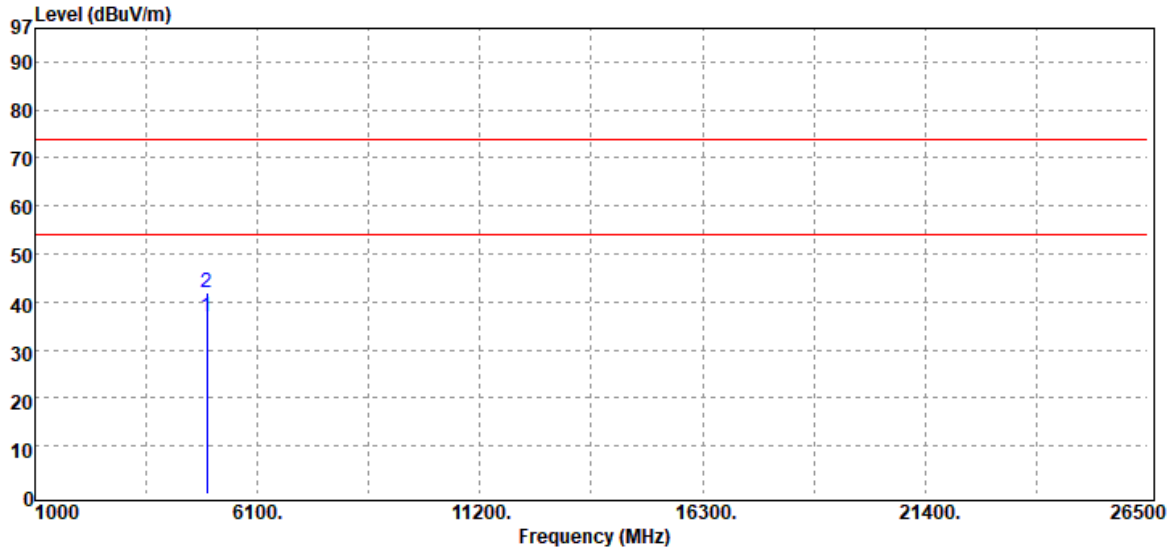
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4934.00	Average	30.72	7.14	37.86	54.00	-16.14
4934.00	Peak	36.82	7.14	43.96	74.00	-30.04

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11b	Test Date	:2021-06-08
Test Frequency	:2472 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



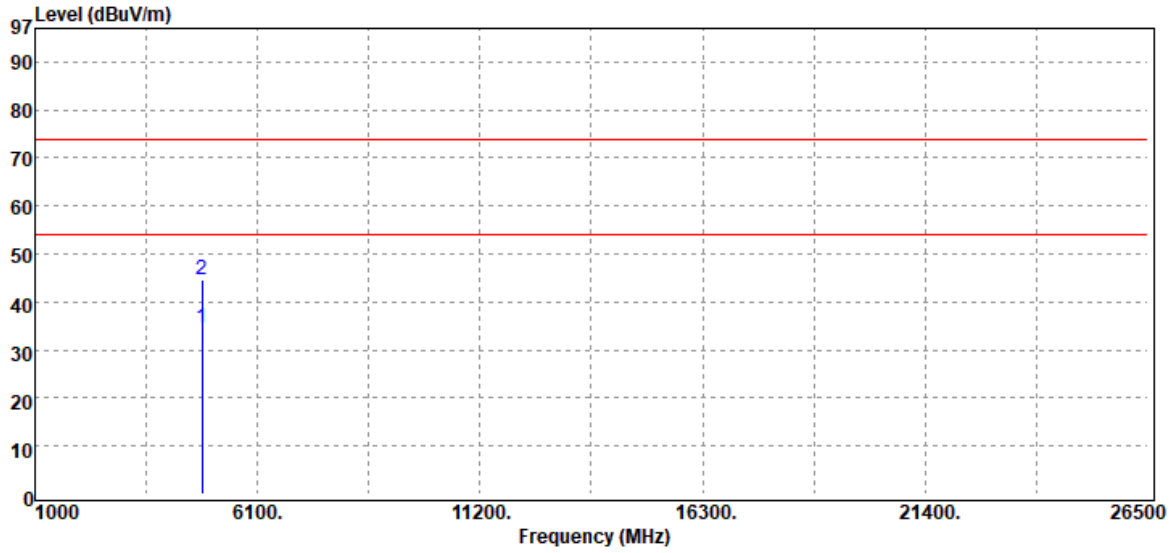
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4944.00	Average	31.18	7.20	38.38	54.00	-15.62
4944.00	Peak	36.29	7.20	43.49	74.00	-30.51

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11b	Test Date	:2021-06-08
Test Frequency	:2472 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



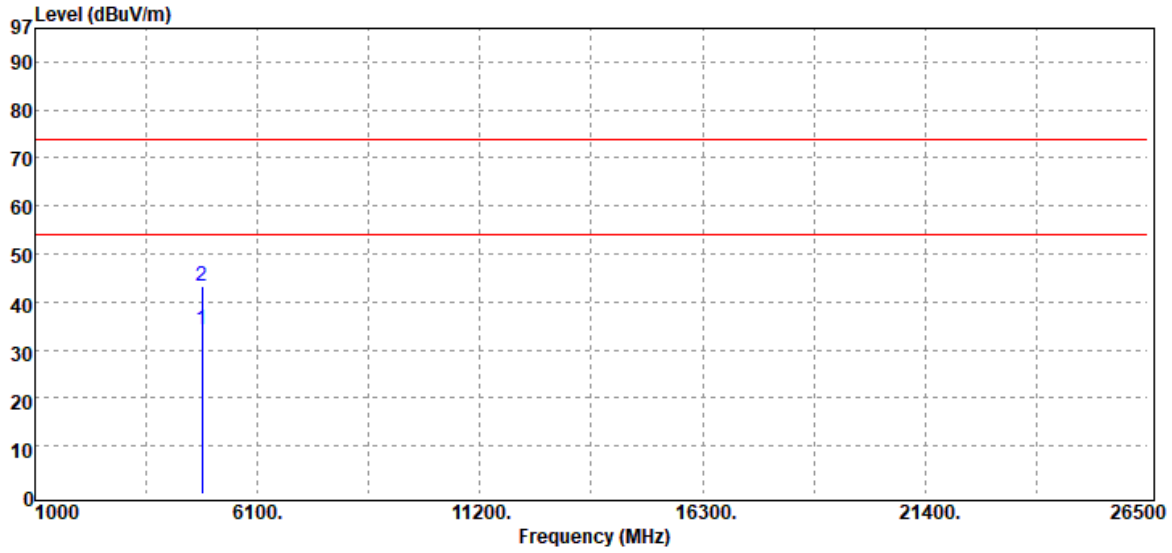
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4944.00	Average	29.83	7.20	37.03	54.00	-16.97
4944.00	Peak	34.85	7.20	42.05	74.00	-31.95

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11g	Test Date	:2021-06-08
Test Frequency	:2412 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



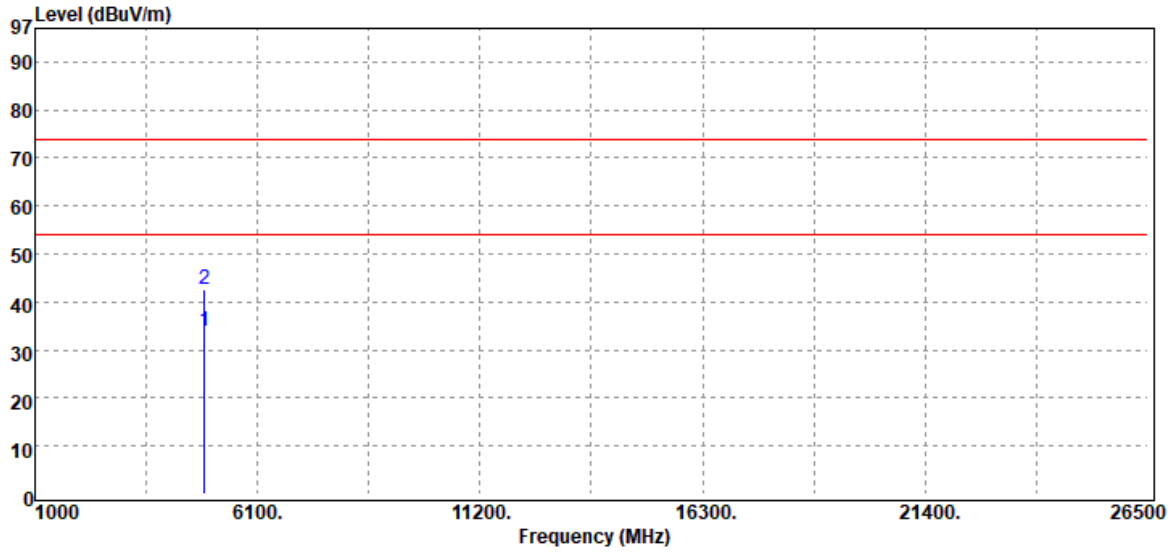
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4824.00	Average	27.19	7.38	34.57	54.00	-19.43
4824.00	Peak	37.17	7.38	44.55	74.00	-29.45

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11g	Test Date	:2021-06-08
Test Frequency	:2412 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



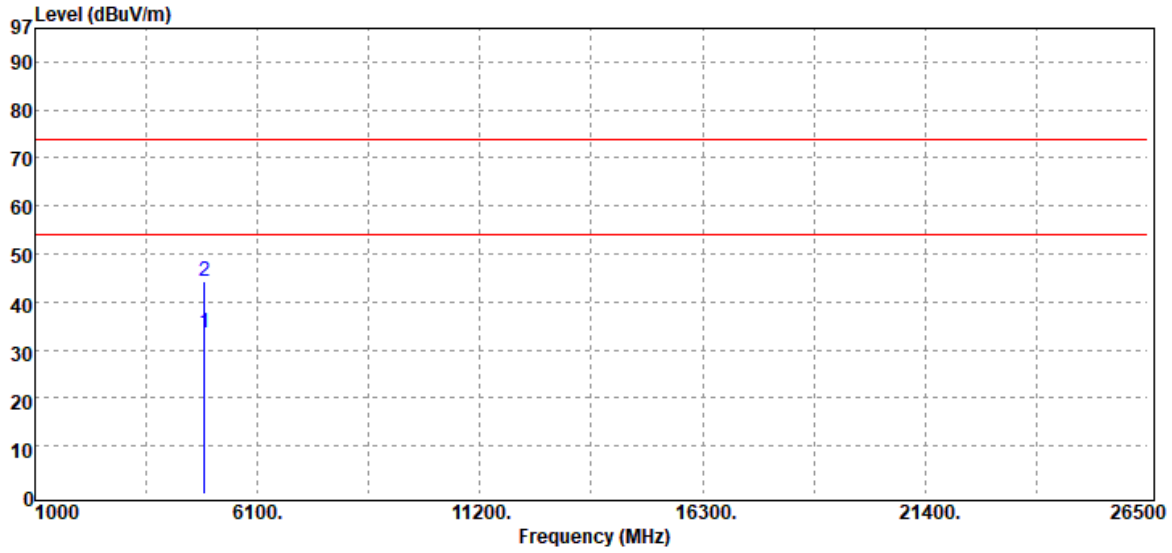
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4824.00	Average	26.92	7.38	34.30	54.00	-19.70
4824.00	Peak	35.85	7.38	43.23	74.00	-30.77

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11g	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



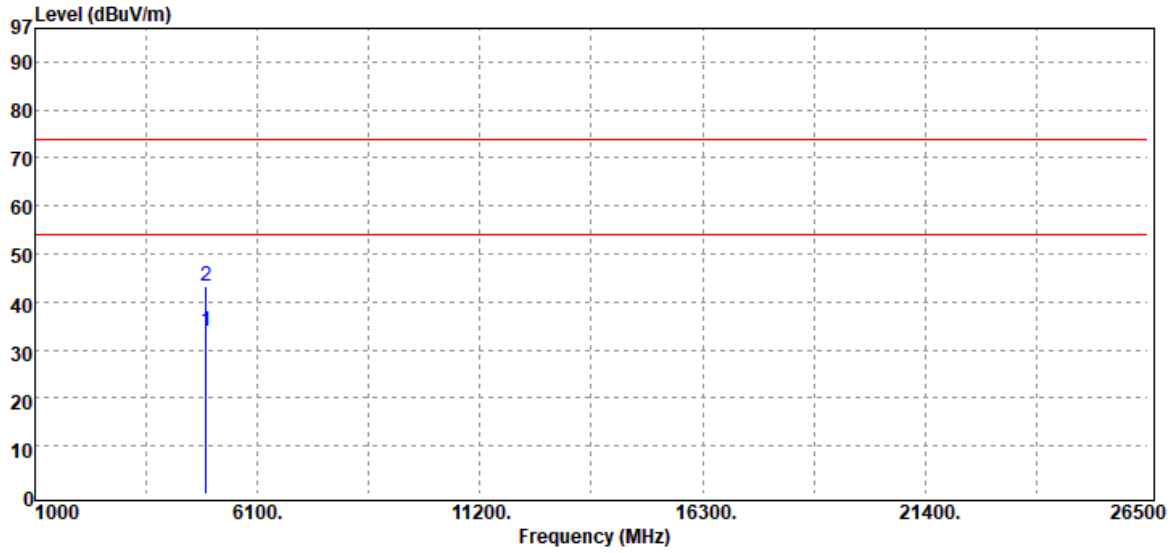
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	26.81	7.01	33.82	54.00	-20.18
4884.00	Peak	35.52	7.01	42.53	74.00	-31.47

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11g	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



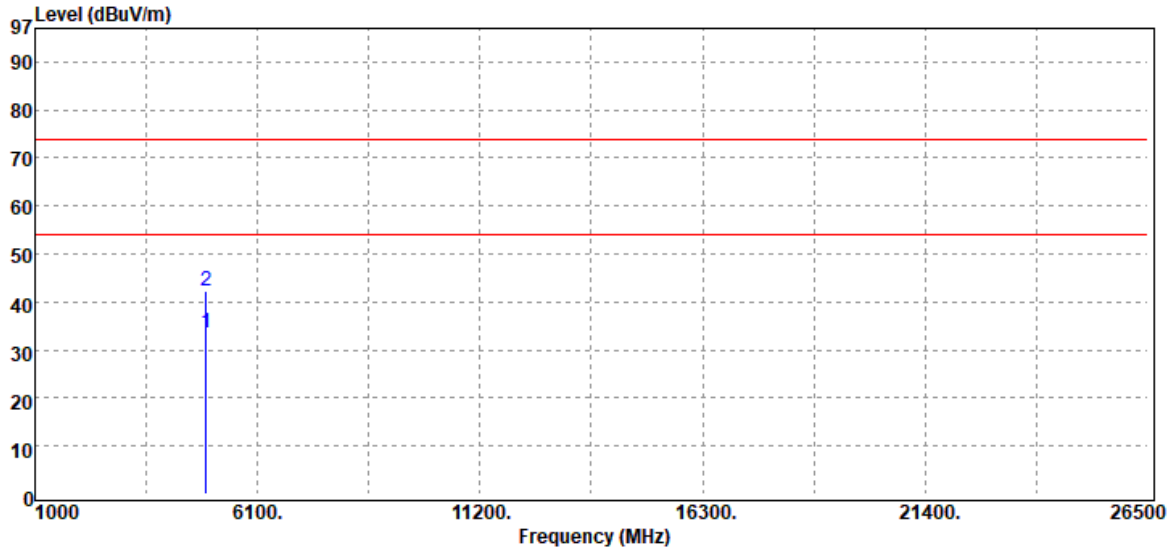
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	26.55	7.01	33.56	54.00	-20.44
4884.00	Peak	37.21	7.01	44.22	74.00	-29.78

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11g	Test Date	:2021-06-08
Test Frequency	:2462 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



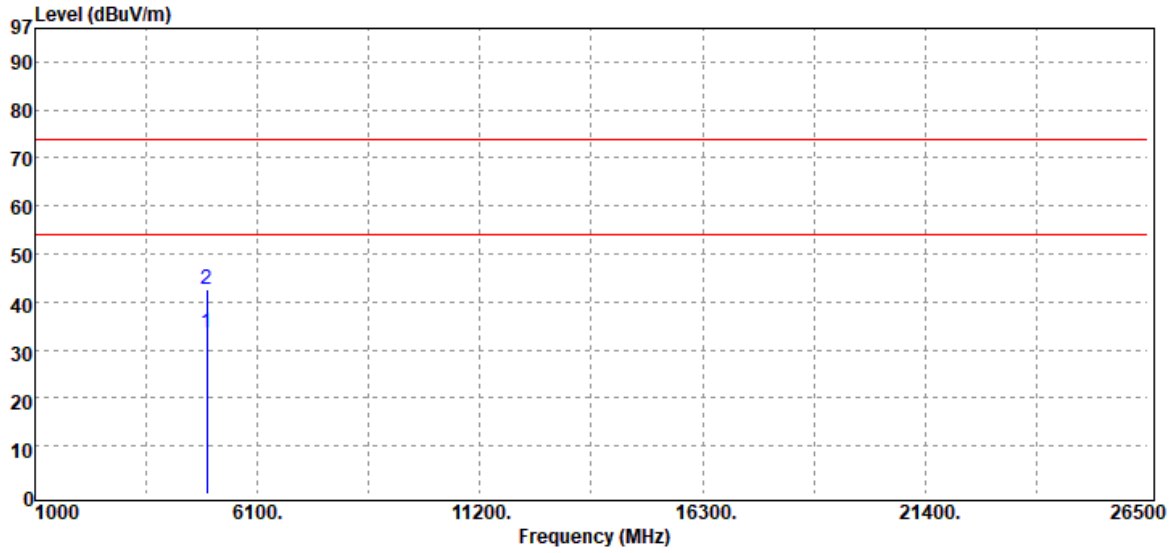
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Average	26.85	7.06	33.91	54.00	-20.09
4924.00	Peak	36.32	7.06	43.38	74.00	-30.62

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11g	Test Date	:2021-06-08
Test Frequency	:2462 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



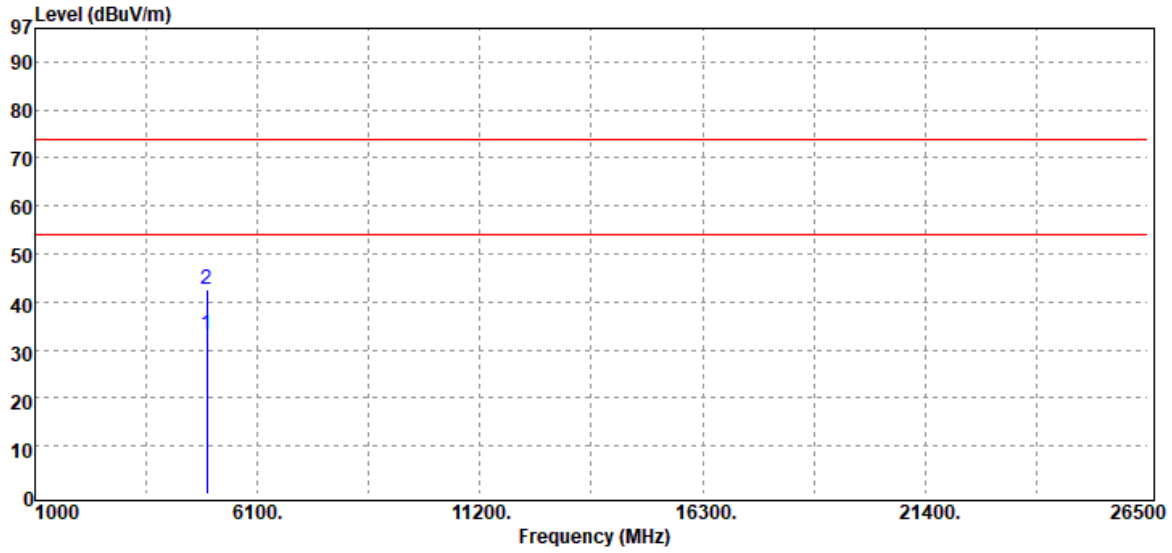
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Average	26.56	7.06	33.62	54.00	-20.38
4924.00	Peak	35.31	7.06	42.37	74.00	-31.63

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11g	Test Date	:2021-06-08
Test Frequency	:2467 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



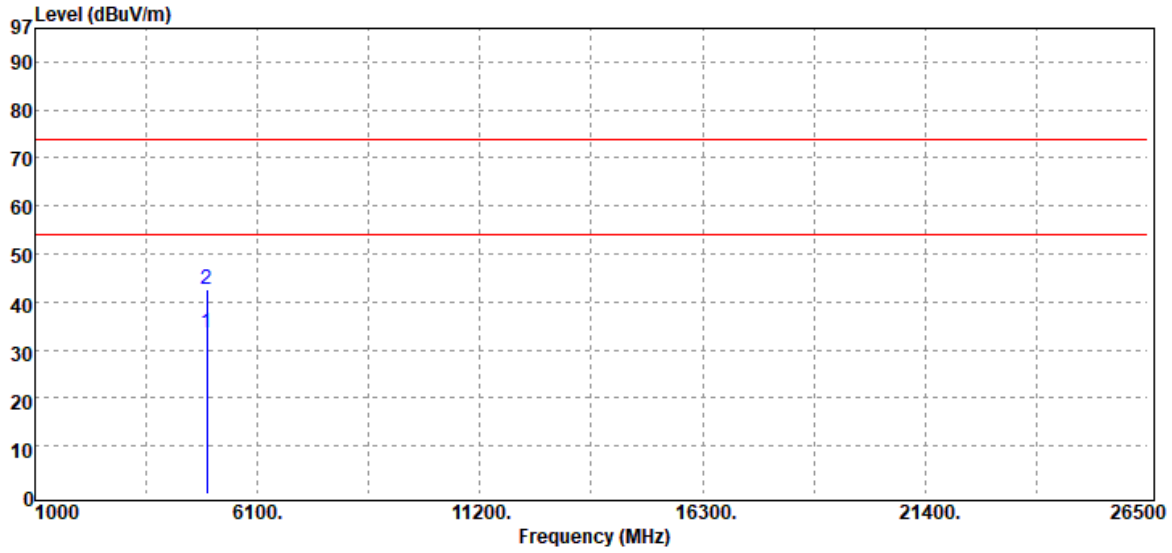
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4934.00	Average	26.34	7.14	33.48	54.00	-20.52
4934.00	Peak	35.55	7.14	42.69	74.00	-31.31

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11g	Test Date	:2021-06-08
Test Frequency	:2467 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



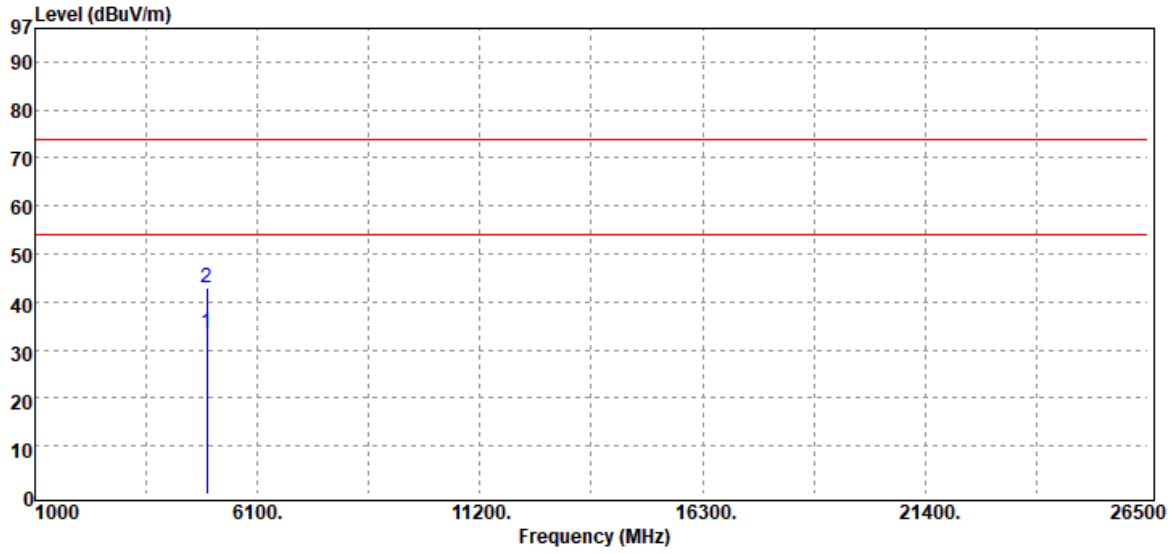
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4934.00	Average	26.18	7.14	33.32	54.00	-20.68
4934.00	Peak	35.44	7.14	42.58	74.00	-31.42

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11g	Test Date	:2021-06-08
Test Frequency	:2472 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



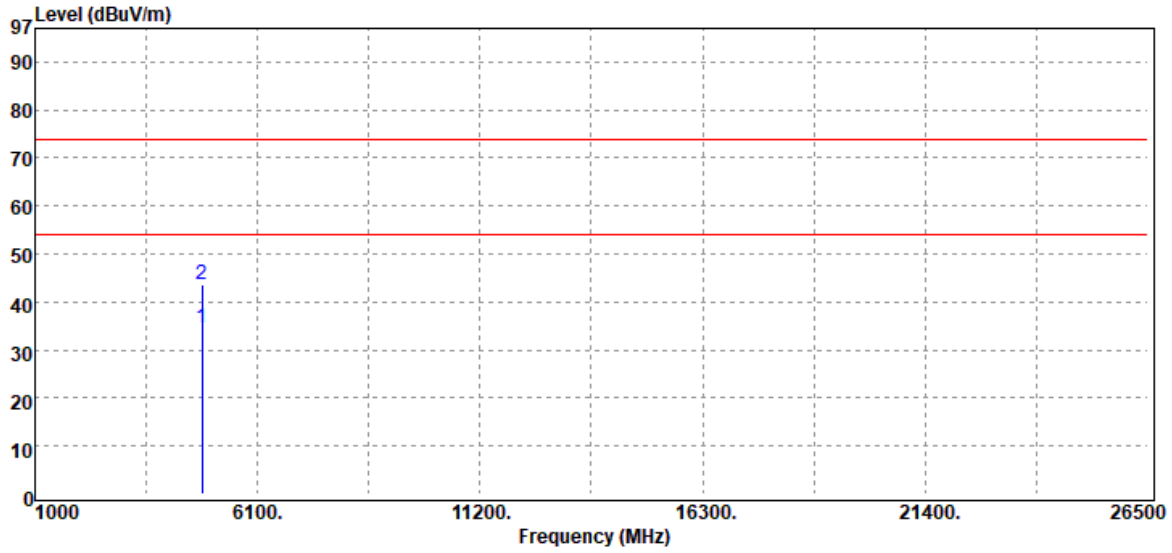
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4944.00	Average	26.38	7.20	33.58	54.00	-20.42
4944.00	Peak	35.45	7.20	42.65	74.00	-31.35

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11g	Test Date	:2021-06-08
Test Frequency	:2472 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



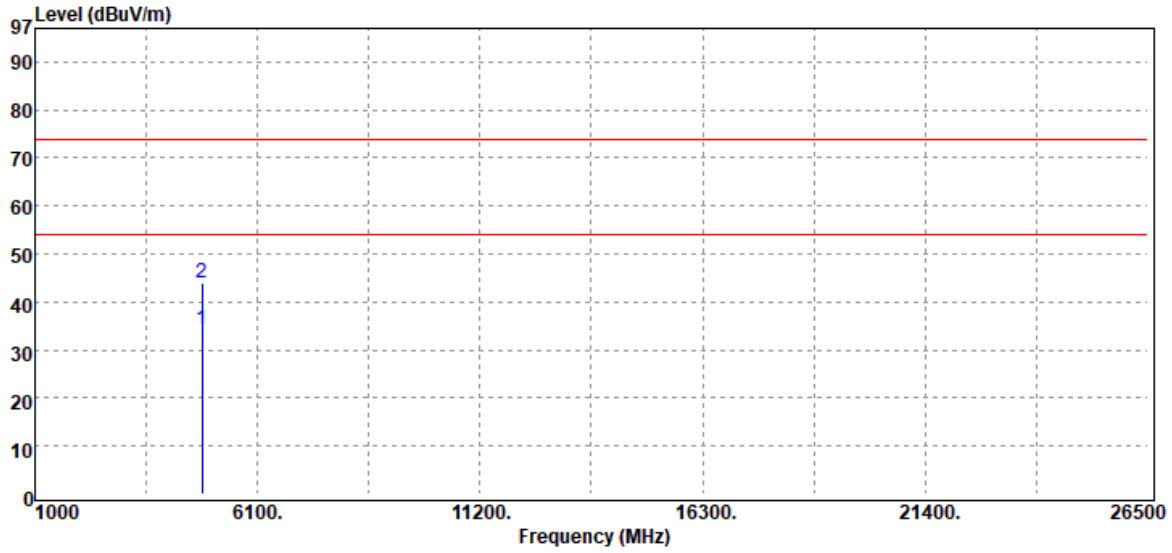
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4944.00	Average	26.25	7.20	33.45	54.00	-20.55
4944.00	Peak	35.86	7.20	43.06	74.00	-30.94

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-08
Test Frequency	:2412 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



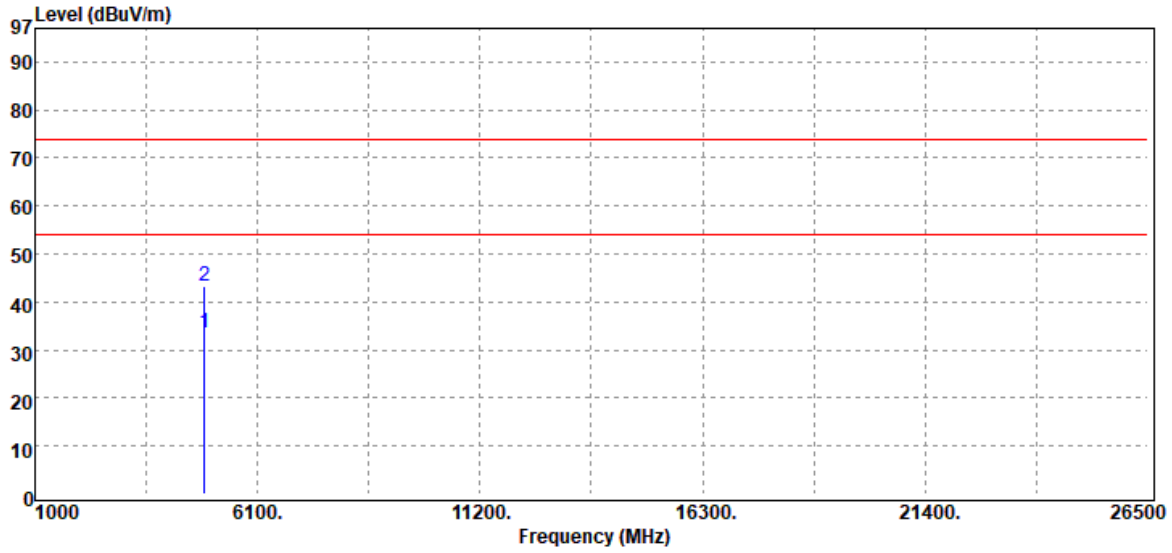
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4824.00	Average	27.23	7.38	34.61	54.00	-19.39
4824.00	Peak	36.37	7.38	43.75	74.00	-30.25

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-08
Test Frequency	:2412 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



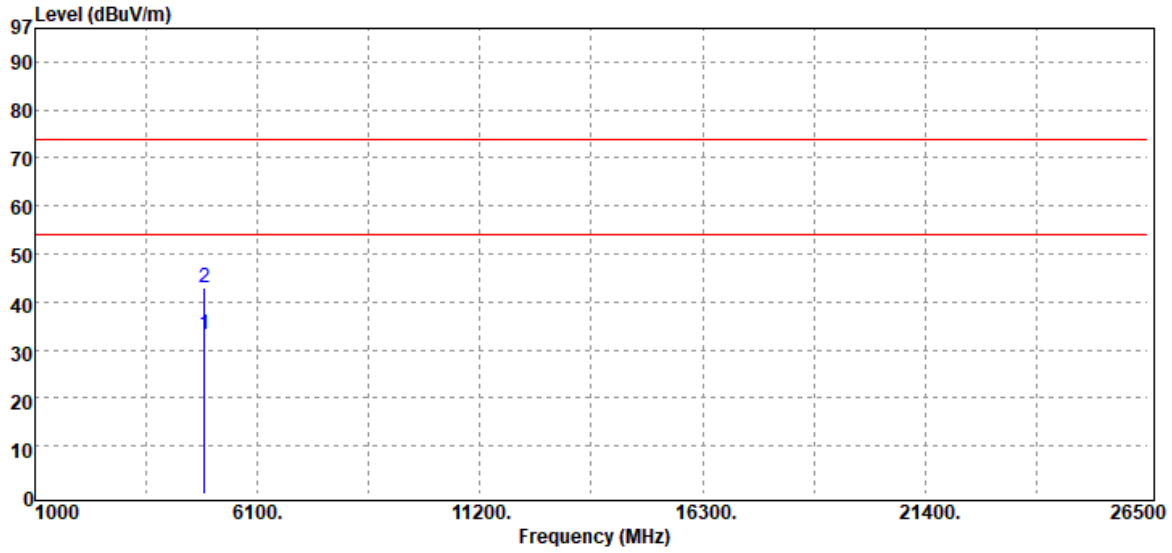
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4824.00	Average	26.93	7.38	34.31	54.00	-19.69
4824.00	Peak	36.51	7.38	43.89	74.00	-30.11

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



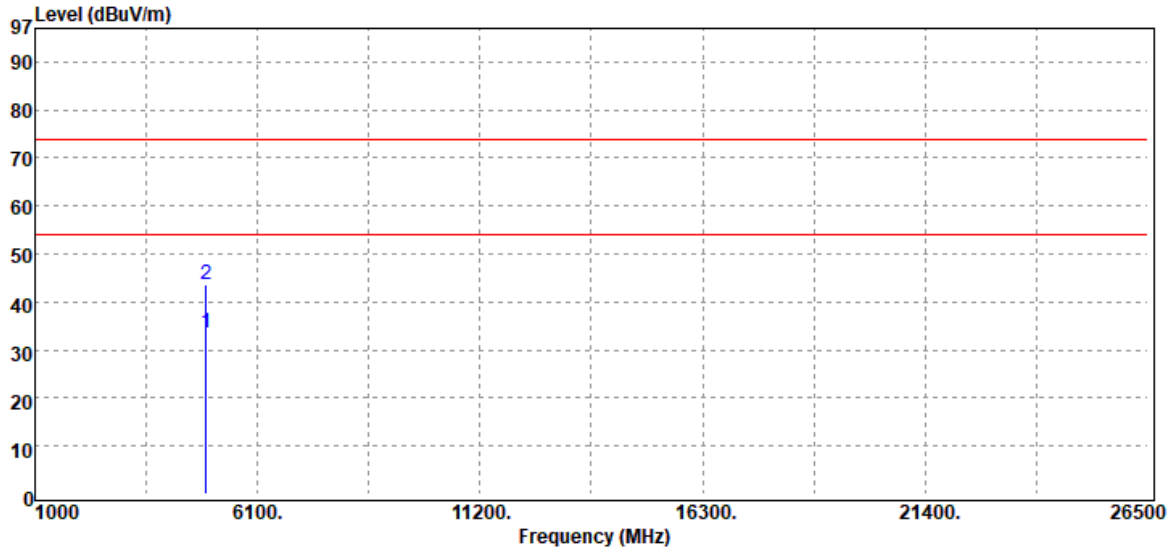
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	26.54	7.01	33.55	54.00	-20.45
4884.00	Peak	36.37	7.01	43.38	74.00	-30.62

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



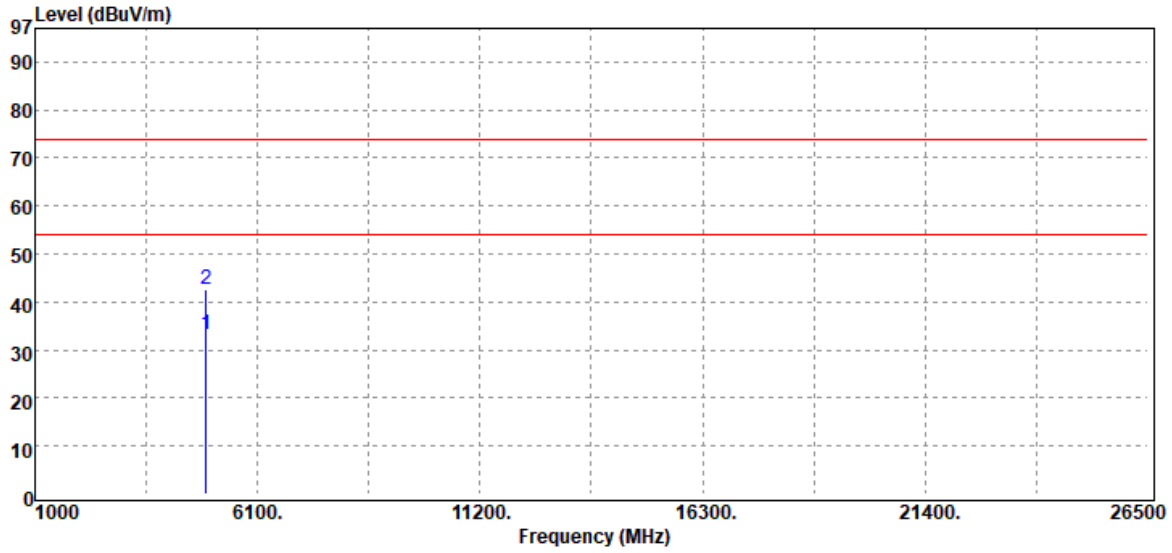
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	26.35	7.01	33.36	54.00	-20.64
4884.00	Peak	35.98	7.01	42.99	74.00	-31.01

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-08
Test Frequency	:2462 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



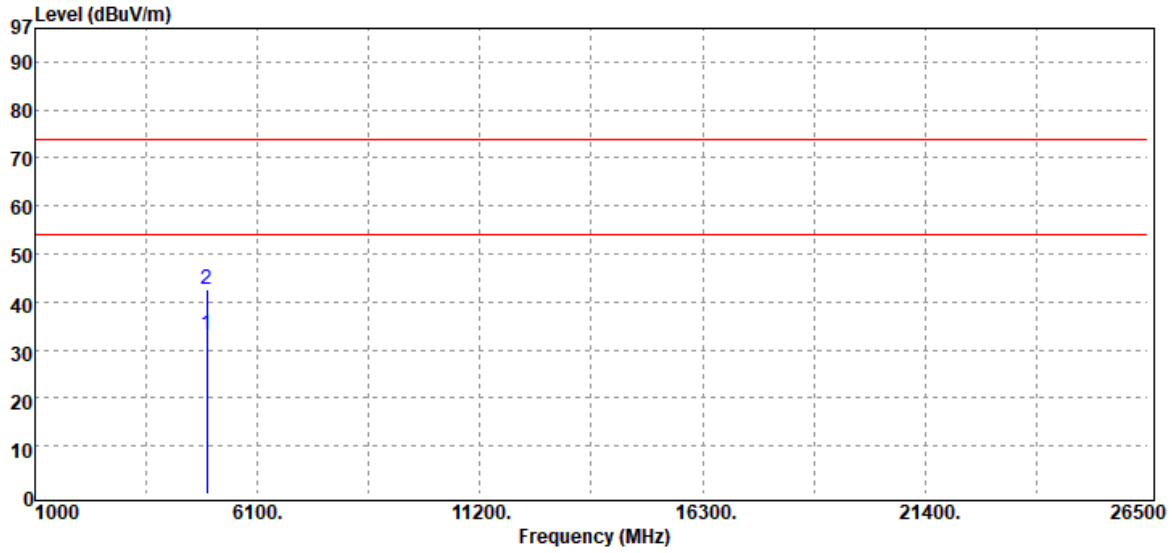
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Average	26.49	7.06	33.55	54.00	-20.45
4924.00	Peak	36.53	7.06	43.59	74.00	-30.41

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-08
Test Frequency	:2462 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



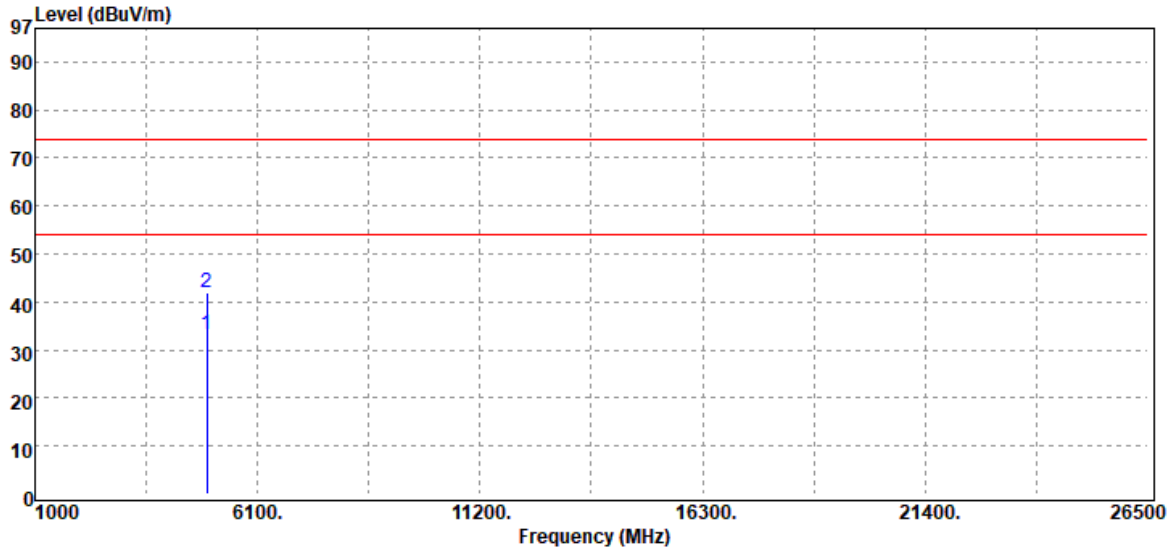
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Average	26.28	7.06	33.34	54.00	-20.66
4924.00	Peak	35.62	7.06	42.68	74.00	-31.32

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-08
Test Frequency	:2467 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



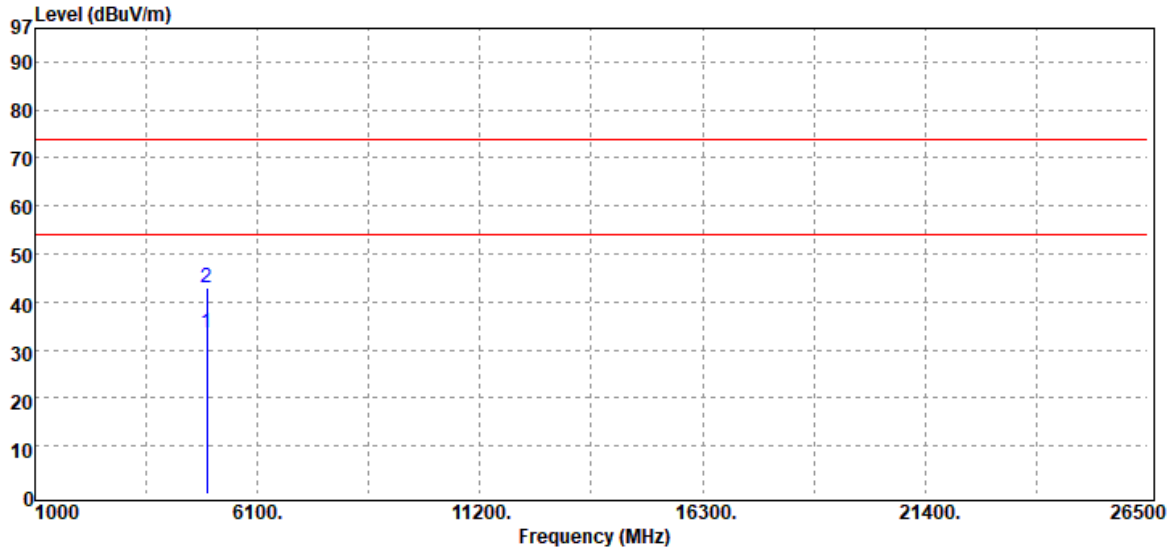
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4934.00	Average	26.22	7.14	33.36	54.00	-20.64
4934.00	Peak	35.46	7.14	42.60	74.00	-31.40

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-08
Test Frequency	:2467 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



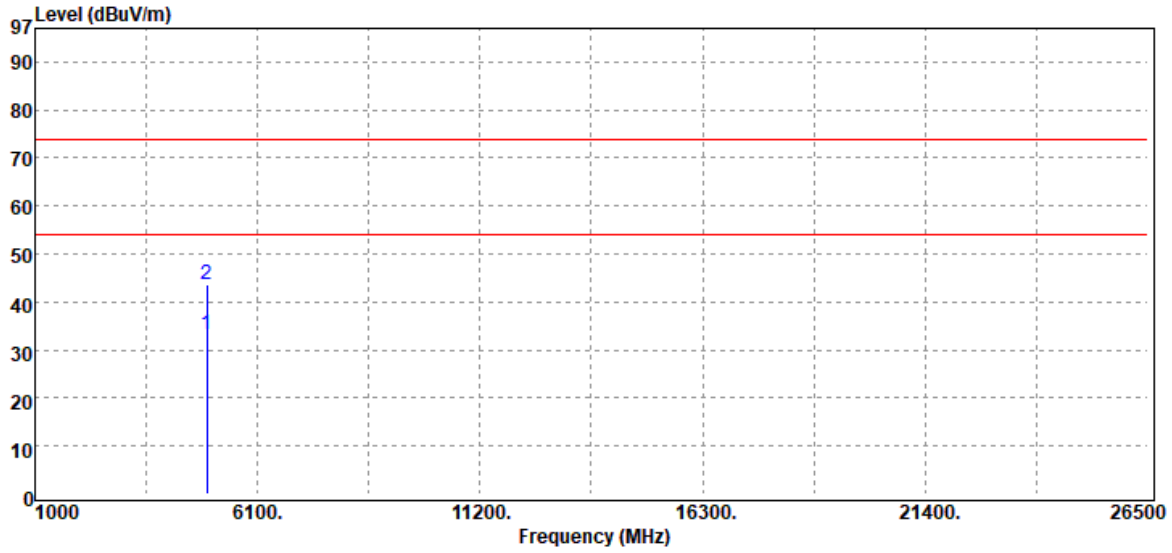
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4934.00	Average	26.10	7.14	33.24	54.00	-20.76
4934.00	Peak	34.94	7.14	42.08	74.00	-31.92

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-08
Test Frequency	:2472 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



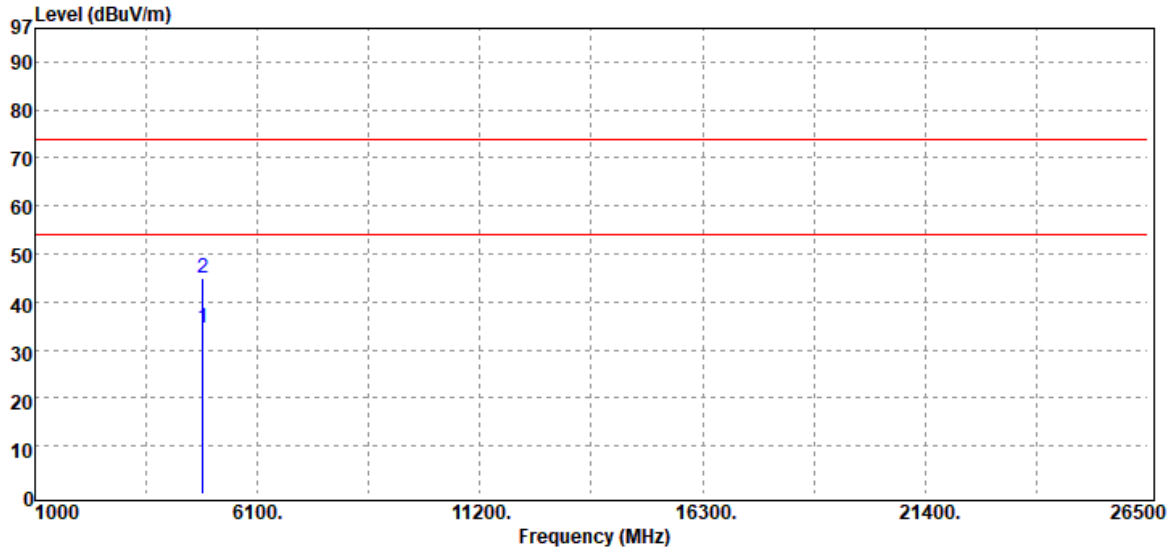
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4944.00	Average	26.37	7.20	33.57	54.00	-20.43
4944.00	Peak	35.89	7.20	43.09	74.00	-30.91

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n20	Test Date	:2021-06-08
Test Frequency	:2472 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



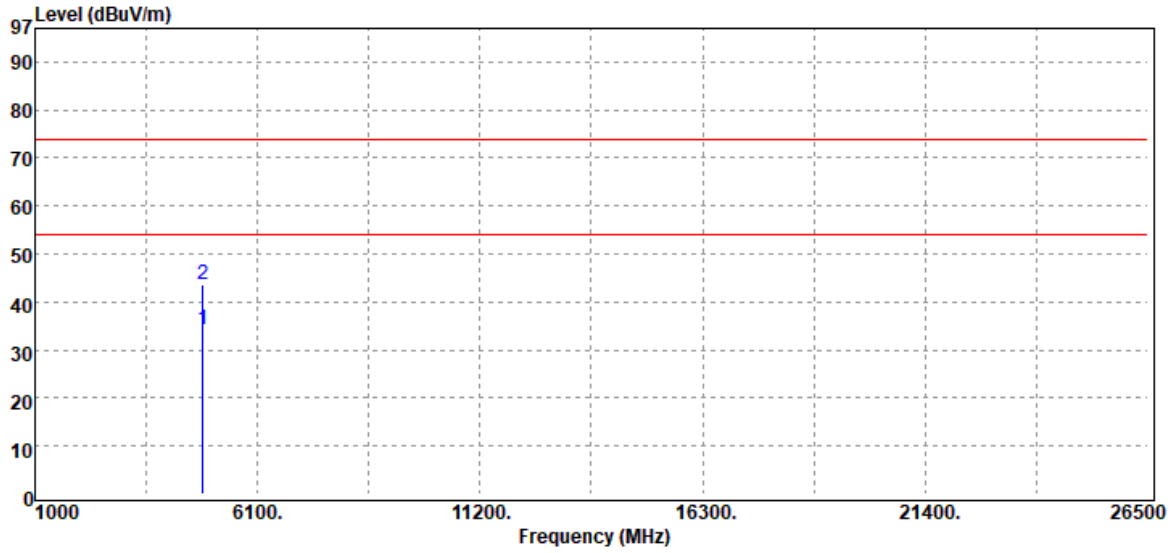
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4944.00	Average	26.03	7.20	33.23	54.00	-20.77
4944.00	Peak	36.59	7.20	43.79	74.00	-30.21

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-08
Test Frequency	:2422 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



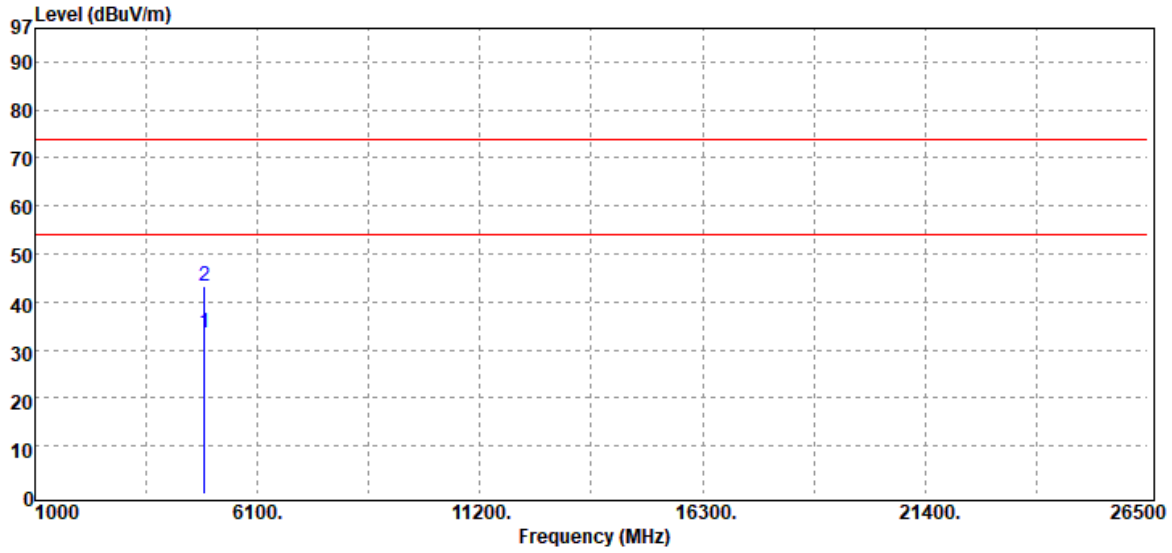
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4844.00	Average	27.16	7.29	34.45	54.00	-19.55
4844.00	Peak	37.62	7.29	44.91	74.00	-29.09

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-08
Test Frequency	:2422 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



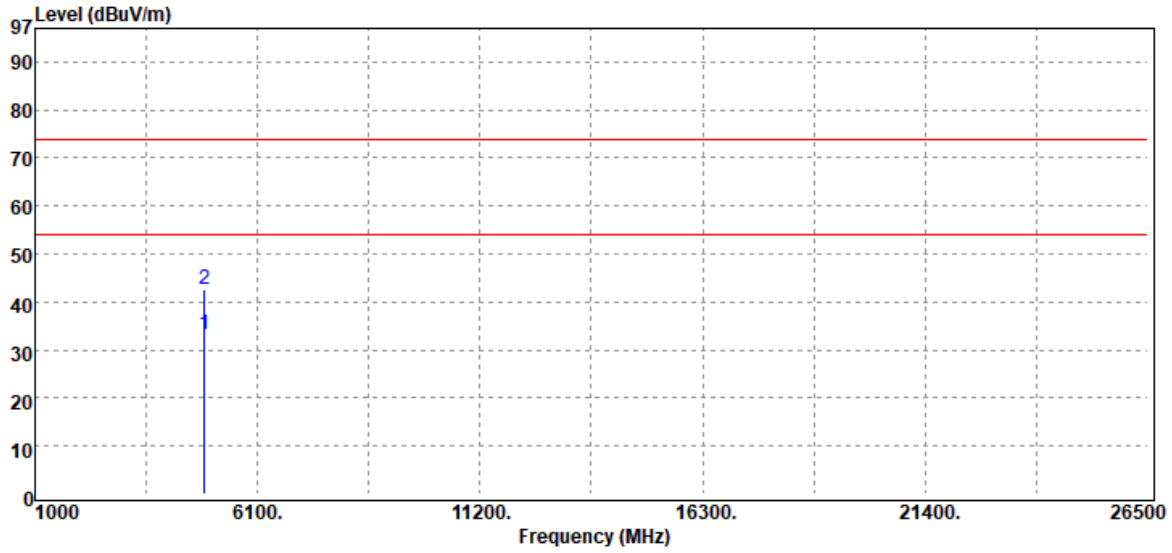
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4844.00	Average	26.83	7.29	34.12	54.00	-19.88
4844.00	Peak	36.33	7.29	43.62	74.00	-30.38

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



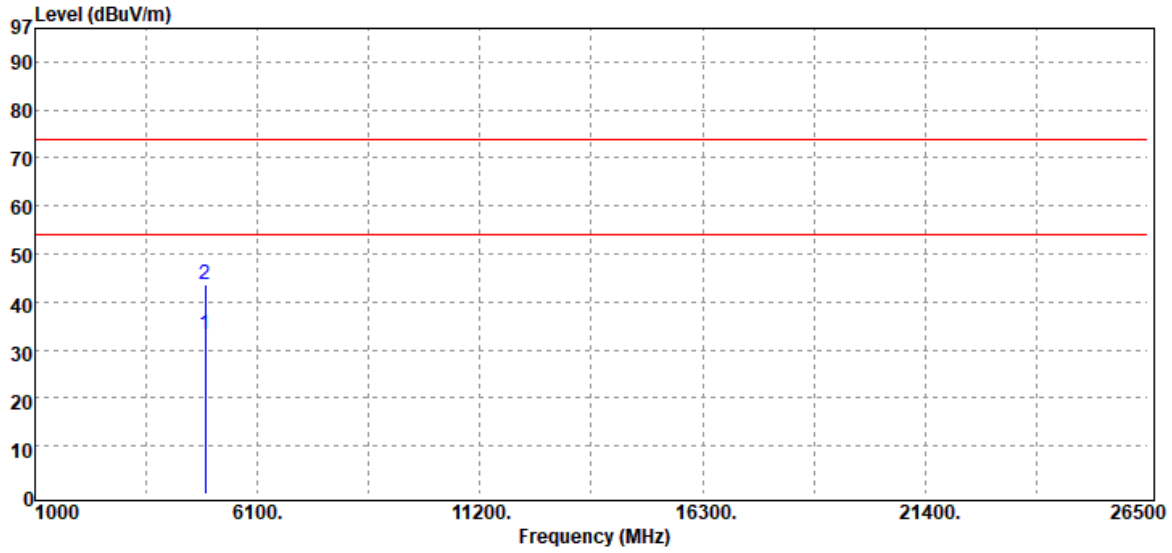
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	26.45	7.01	33.46	54.00	-20.54
4884.00	Peak	36.18	7.01	43.19	74.00	-30.81

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



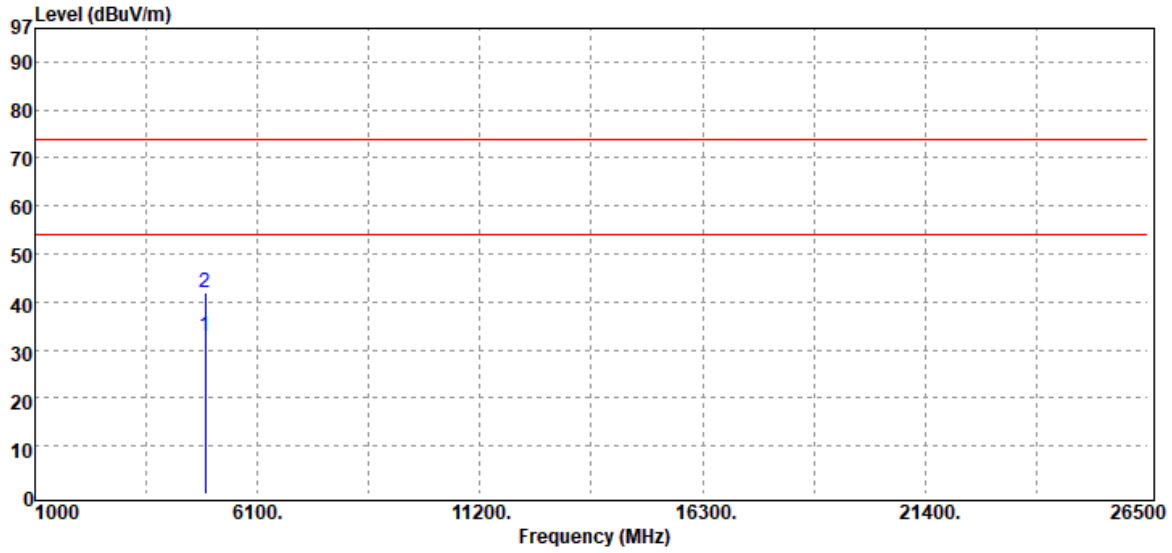
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	26.20	7.01	33.21	54.00	-20.79
4884.00	Peak	35.47	7.01	42.48	74.00	-31.52

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-08
Test Frequency	:2452 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



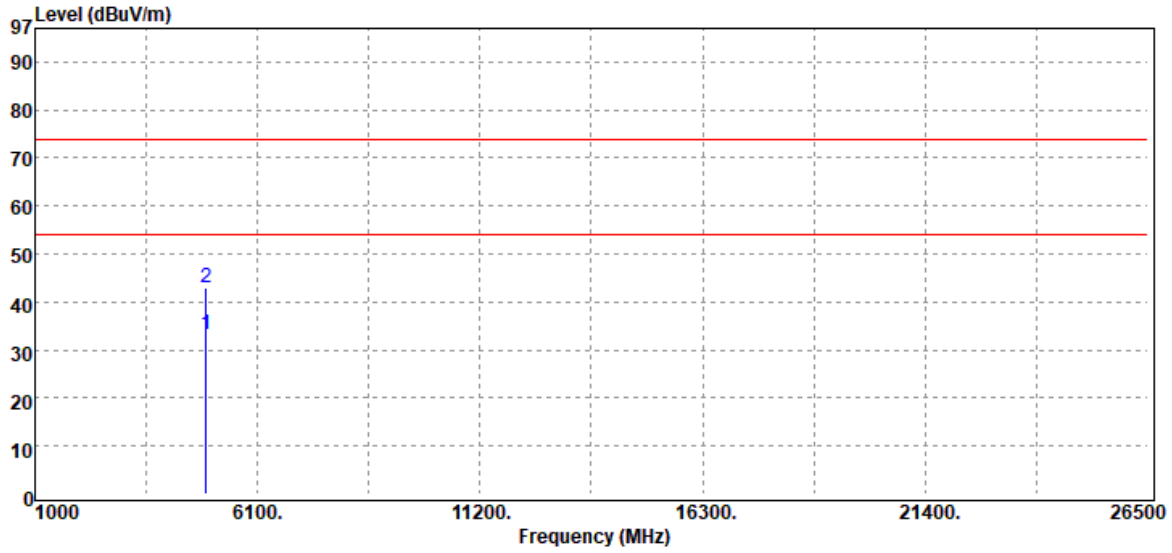
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4904.00	Average	26.24	6.93	33.17	54.00	-20.83
4904.00	Peak	36.59	6.93	43.52	74.00	-30.48

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-08
Test Frequency	:2452 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



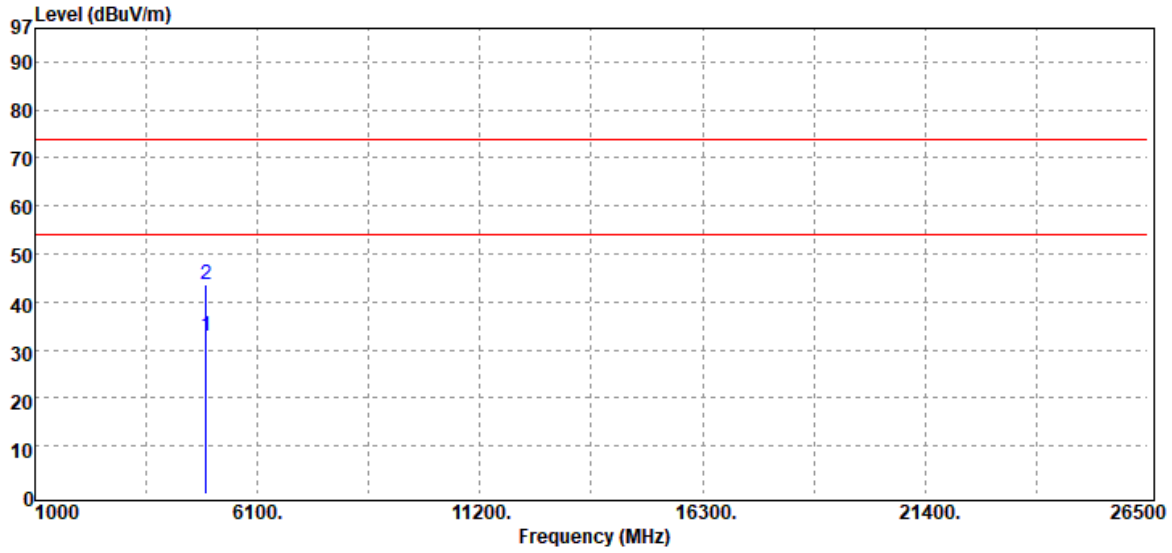
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4904.00	Average	25.99	6.93	32.92	54.00	-21.08
4904.00	Peak	35.13	6.93	42.06	74.00	-31.94

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-08
Test Frequency	:2457 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



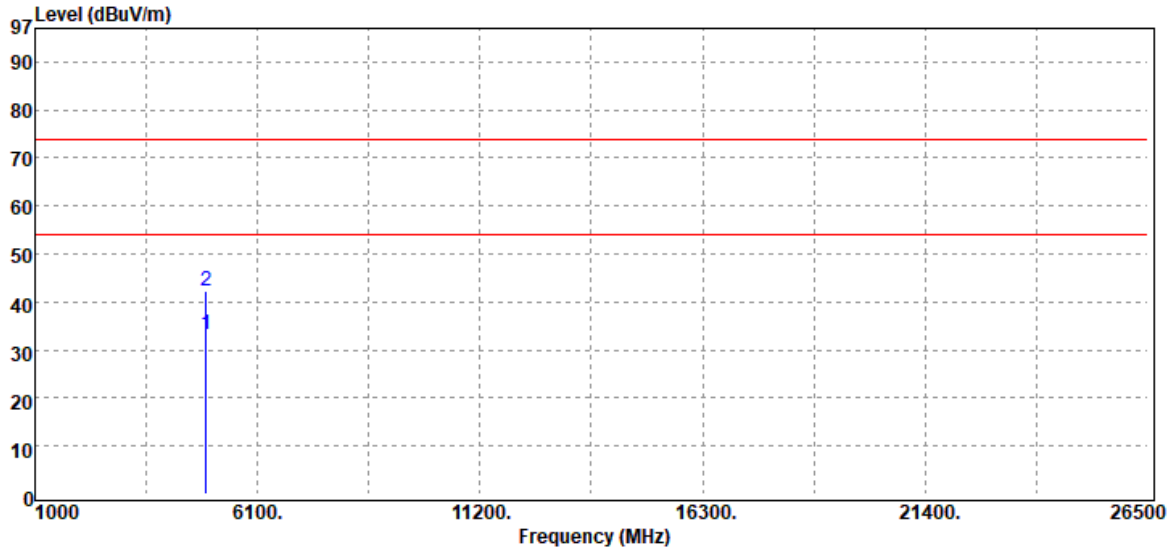
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4914.00	Average	26.25	6.99	33.24	54.00	-20.76
4914.00	Peak	35.90	6.99	42.89	74.00	-31.11

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-08
Test Frequency	:2457 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



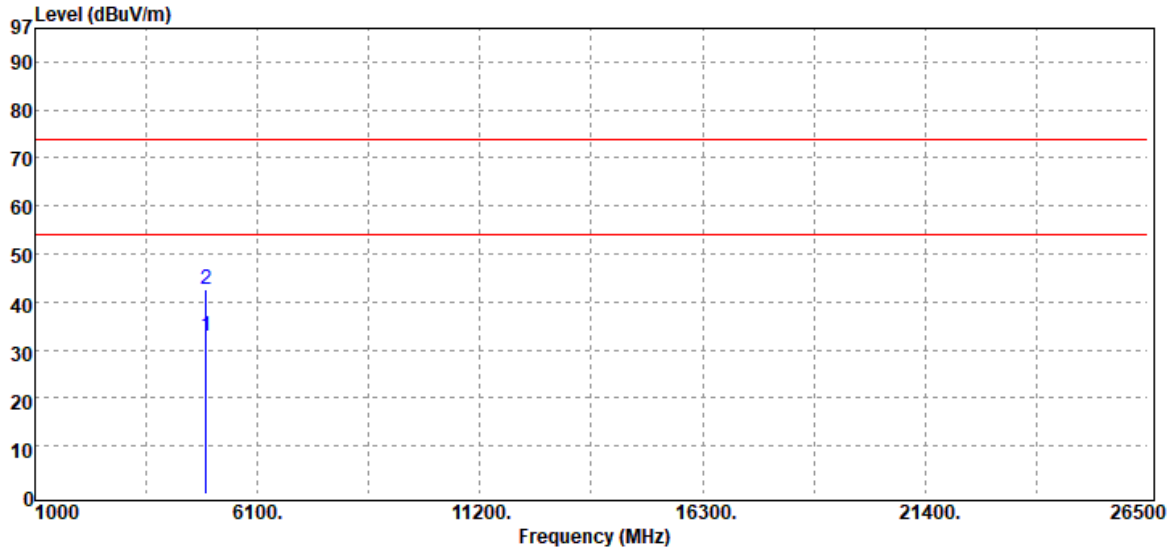
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4914.00	Average	26.03	6.99	33.02	54.00	-20.98
4914.00	Peak	36.50	6.99	43.49	74.00	-30.51

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-08
Test Frequency	:2462 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



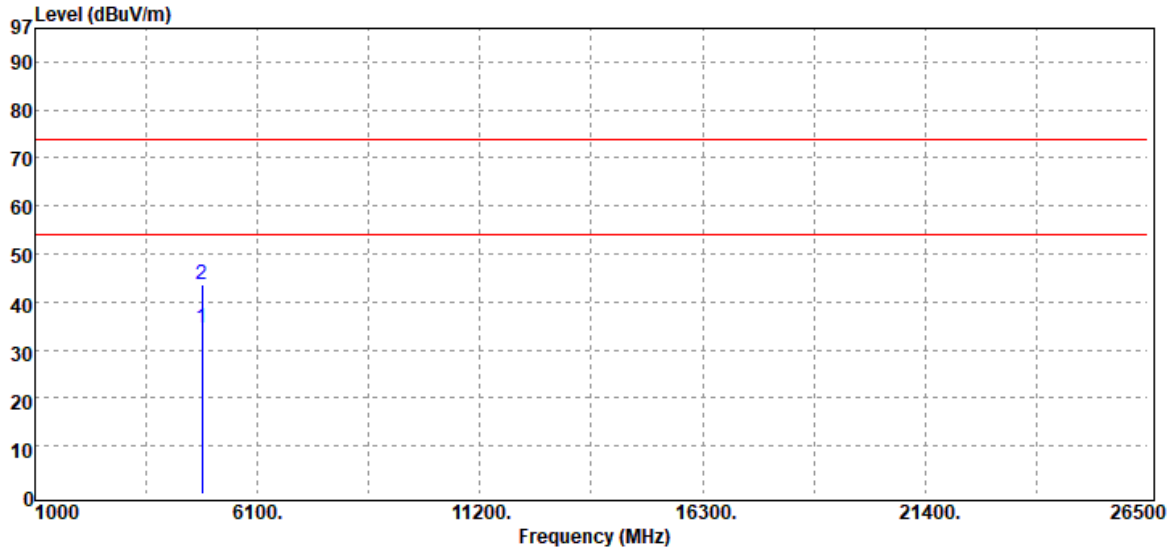
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Average	26.22	7.06	33.28	54.00	-20.72
4924.00	Peak	35.07	7.06	42.13	74.00	-31.87

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11n40	Test Date	:2021-06-08
Test Frequency	:2462 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



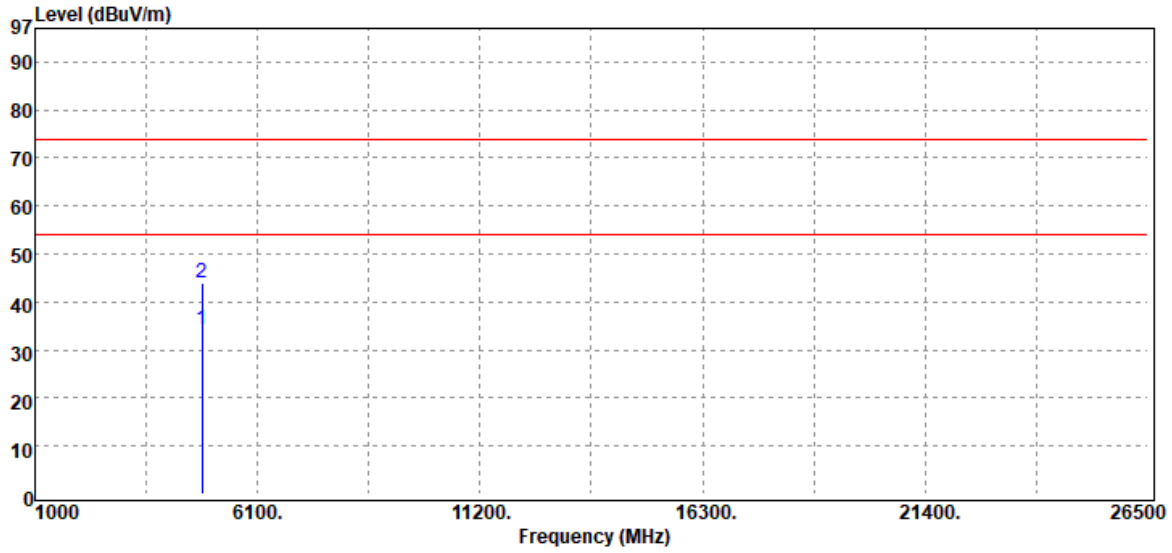
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Average	25.96	7.06	33.02	54.00	-20.98
4924.00	Peak	35.70	7.06	42.76	74.00	-31.24

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax20 RU full	Test Date	:2021-06-08
Test Frequency	:2412 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



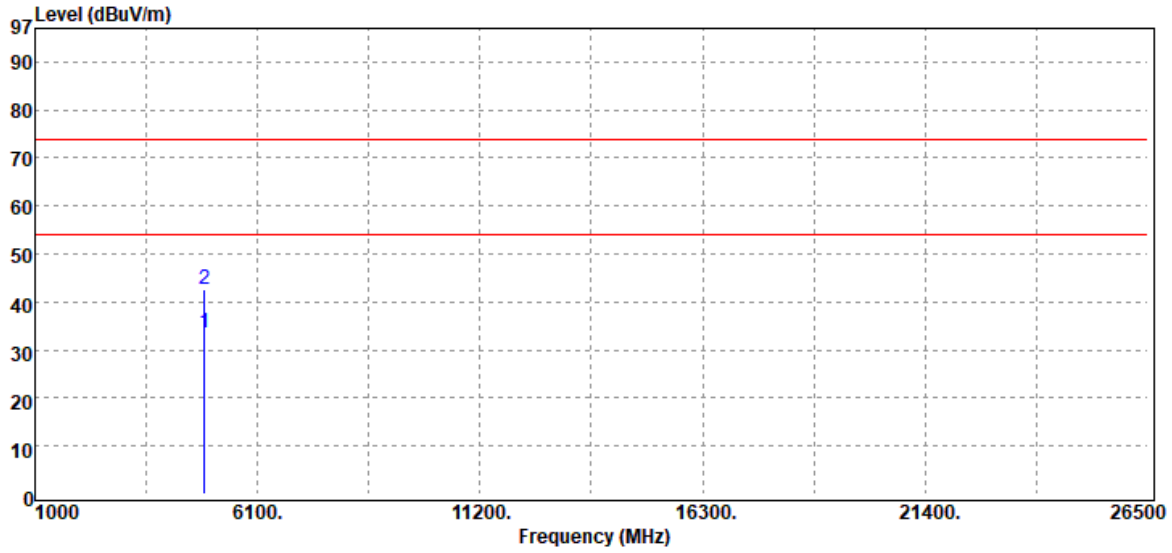
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4824.00	Average	27.23	7.38	34.61	54.00	-19.39
4824.00	Peak	36.26	7.38	43.64	74.00	-30.36

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax20 RU full	Test Date	:2021-06-08
Test Frequency	:2412 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



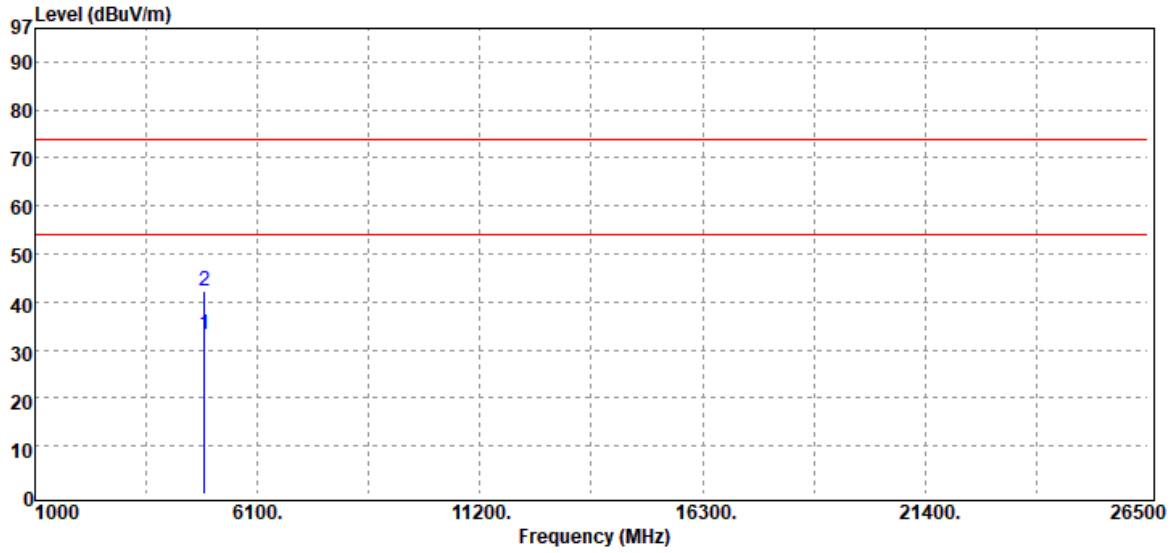
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4824.00	Average	26.95	7.38	34.33	54.00	-19.67
4824.00	Peak	36.51	7.38	43.89	74.00	-30.11

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax20 RU full	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



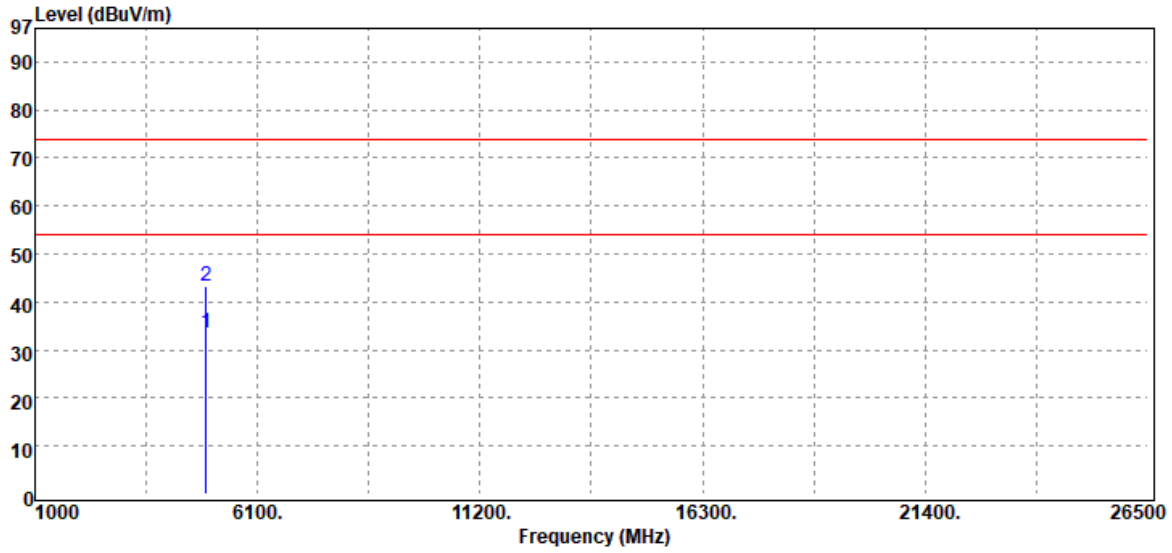
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	26.52	7.01	33.53	54.00	-20.47
4884.00	Peak	35.63	7.01	42.64	74.00	-31.36

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax20 RU full	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



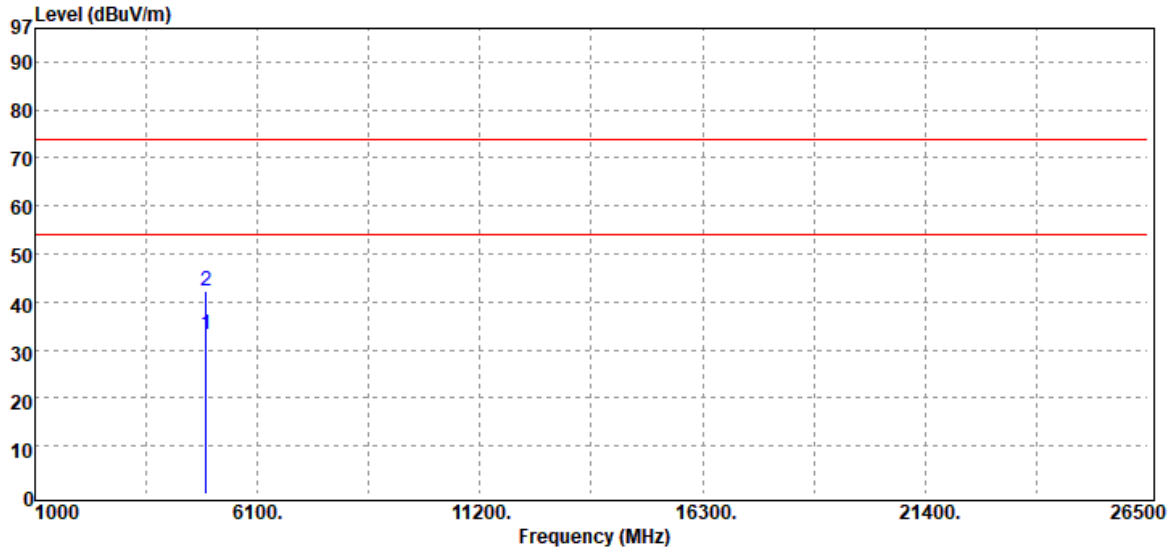
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	26.37	7.01	33.38	54.00	-20.62
4884.00	Peak	35.32	7.01	42.33	74.00	-31.67

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax20 RU full	Test Date	:2021-06-08
Test Frequency	:2462 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



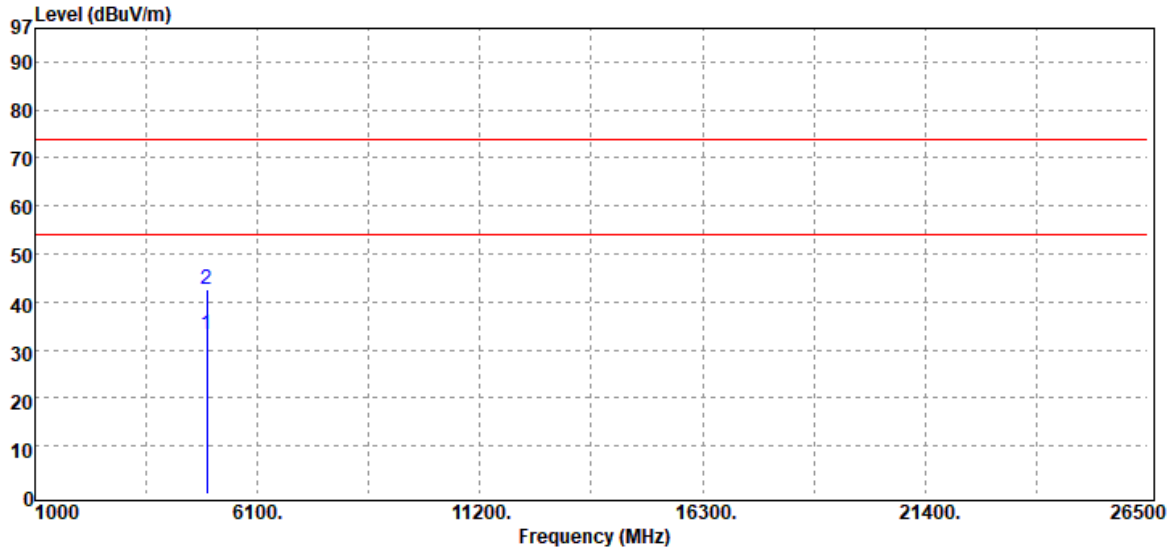
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Average	26.43	7.06	33.49	54.00	-20.51
4924.00	Peak	36.16	7.06	43.22	74.00	-30.78

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax20 RU full	Test Date	:2021-06-08
Test Frequency	:2462 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



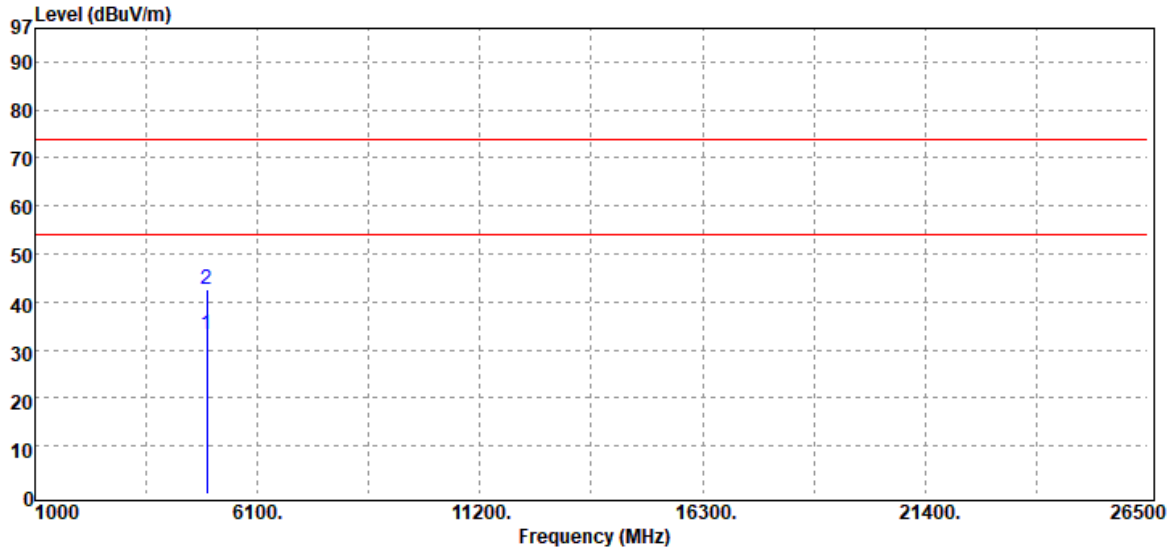
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Average	26.25	7.06	33.31	54.00	-20.69
4924.00	Peak	35.25	7.06	42.31	74.00	-31.69

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax20 RU full	Test Date	:2021-06-08
Test Frequency	:2467 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



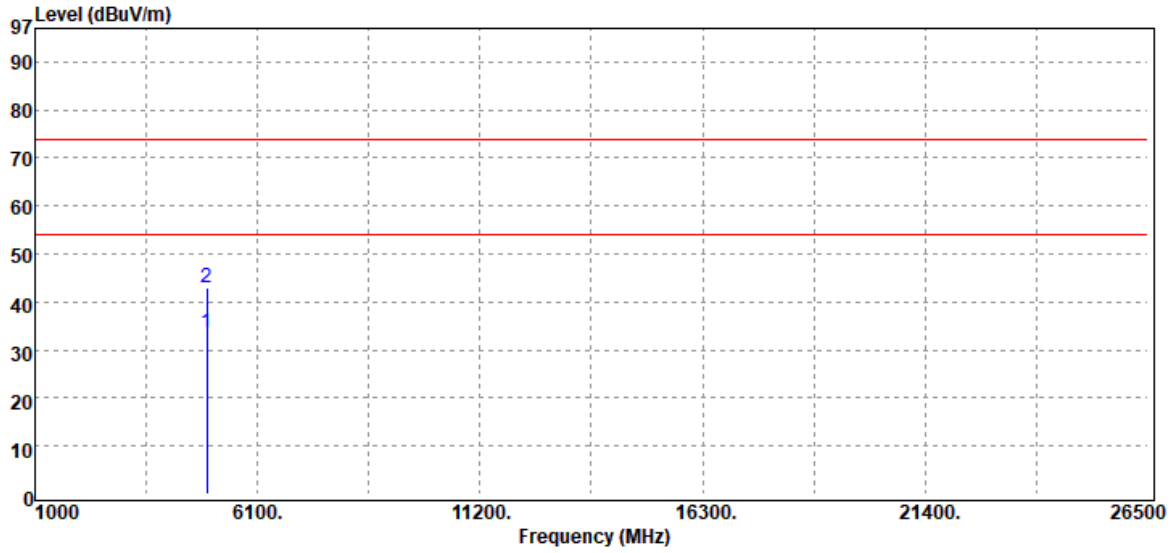
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4934.00	Average	26.10	7.14	33.24	54.00	-20.76
4934.00	Peak	35.50	7.14	42.64	74.00	-31.36

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax20 RU full	Test Date	:2021-06-08
Test Frequency	:2467 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



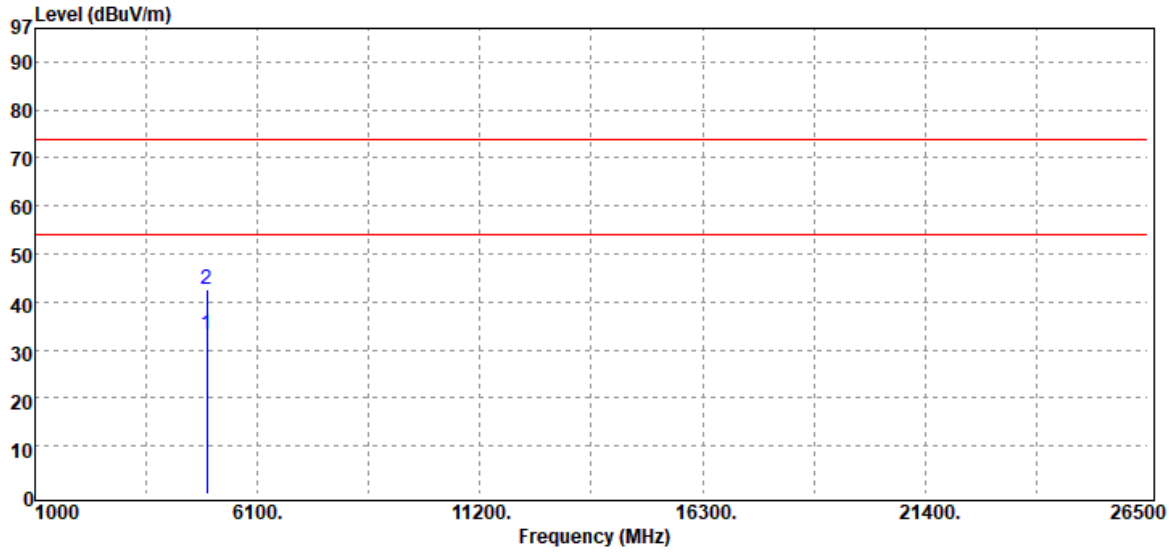
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4934.00	Average	26.00	7.14	33.14	54.00	-20.86
4934.00	Peak	35.59	7.14	42.73	74.00	-31.27

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax20 RU full	Test Date	:2021-06-08
Test Frequency	:2472 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



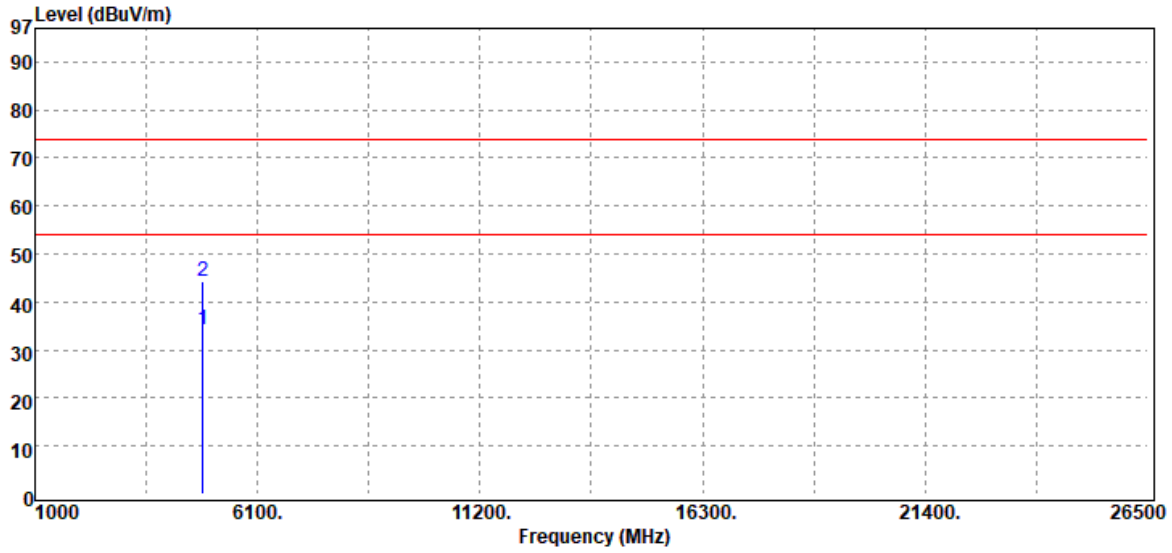
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4944.00	Average	26.20	7.20	33.40	54.00	-20.60
4944.00	Peak	35.73	7.20	42.93	74.00	-31.07

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax20 RU full	Test Date	:2021-06-08
Test Frequency	:2472 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



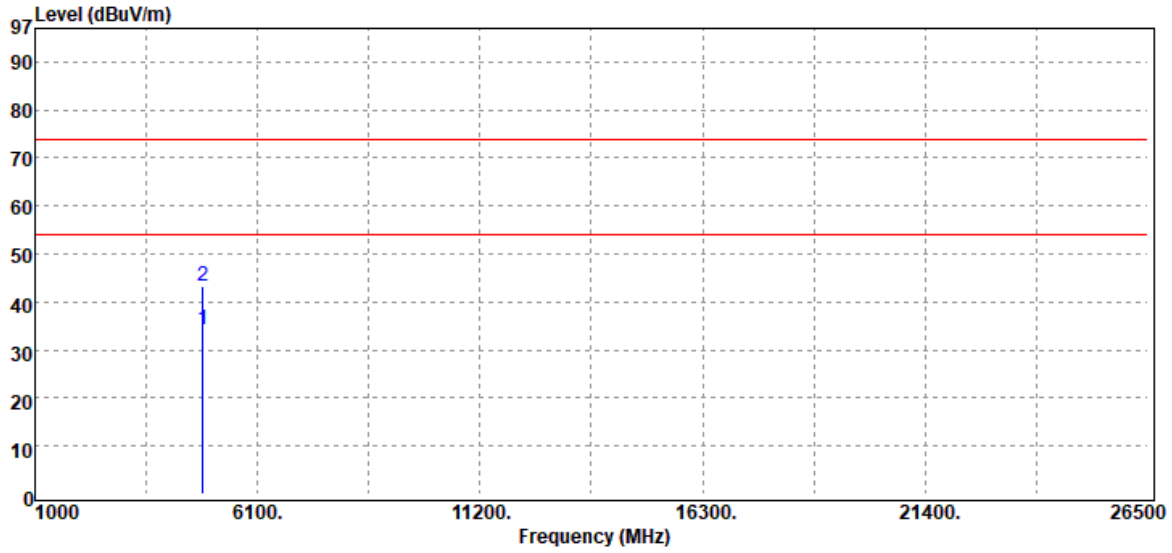
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4944.00	Average	26.02	7.20	33.22	54.00	-20.78
4944.00	Peak	35.40	7.20	42.60	74.00	-31.40

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax40 RU full	Test Date	:2021-06-08
Test Frequency	:2422 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Low	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



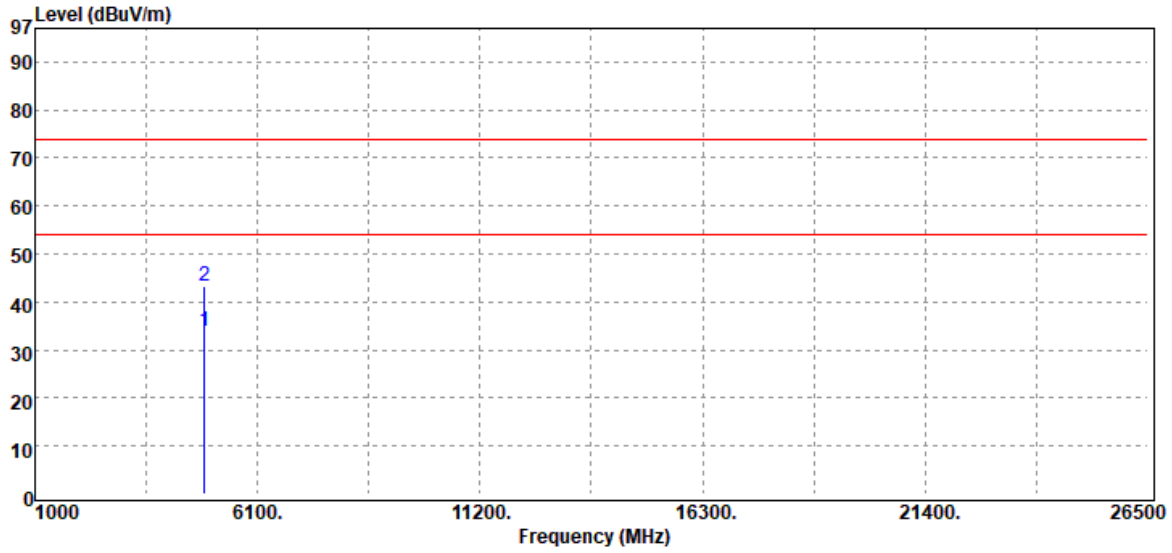
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4844.00	Average	27.04	7.29	34.33	54.00	-19.67
4844.00	Peak	36.89	7.29	44.18	74.00	-29.82

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax40 RU full	Test Date	:2021-06-08
Test Frequency	:2422 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Low	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



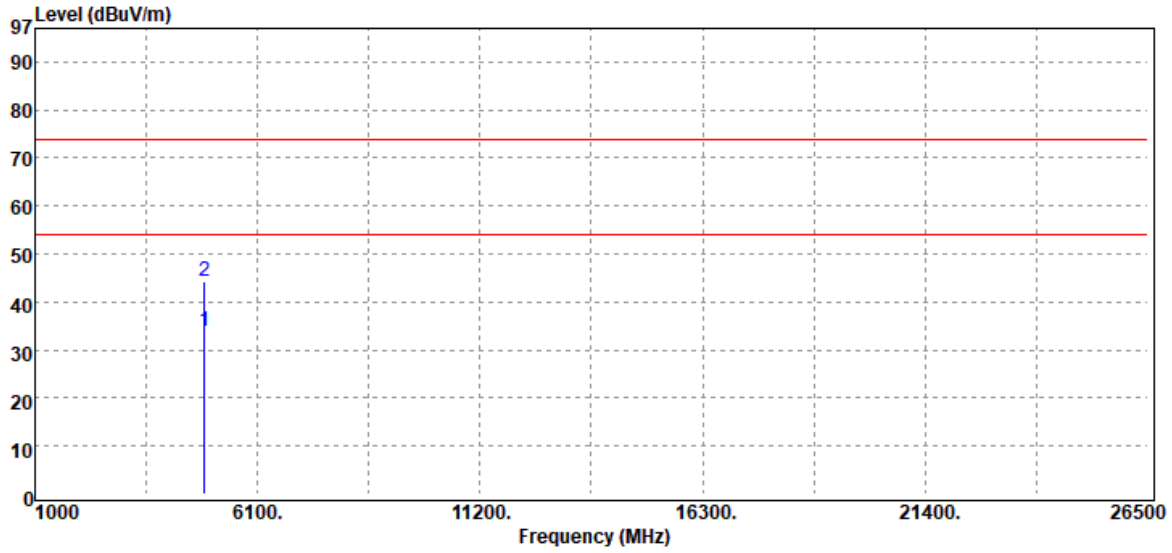
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4844.00	Average	26.83	7.29	34.12	54.00	-19.88
4844.00	Peak	36.03	7.29	43.32	74.00	-30.68

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax40 RU full	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



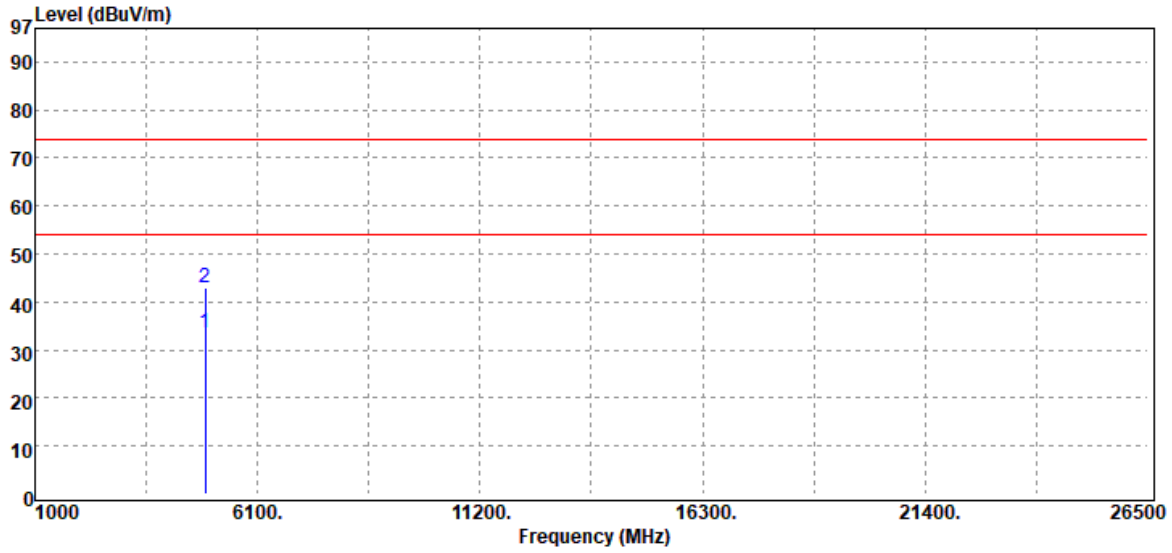
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	26.86	7.01	33.87	54.00	-20.13
4884.00	Peak	36.30	7.01	43.31	74.00	-30.69

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax40 RU full	Test Date	:2021-06-08
Test Frequency	:2442 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH Mid	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



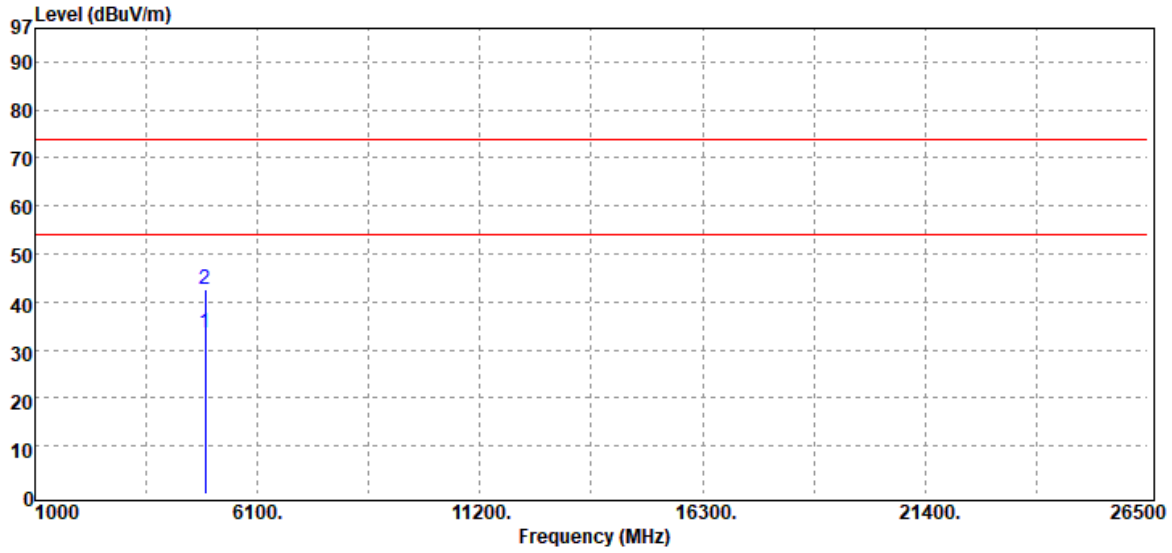
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	26.89	7.01	33.90	54.00	-20.10
4884.00	Peak	37.13	7.01	44.14	74.00	-29.86

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax40 RU full	Test Date	:2021-06-08
Test Frequency	:2452 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



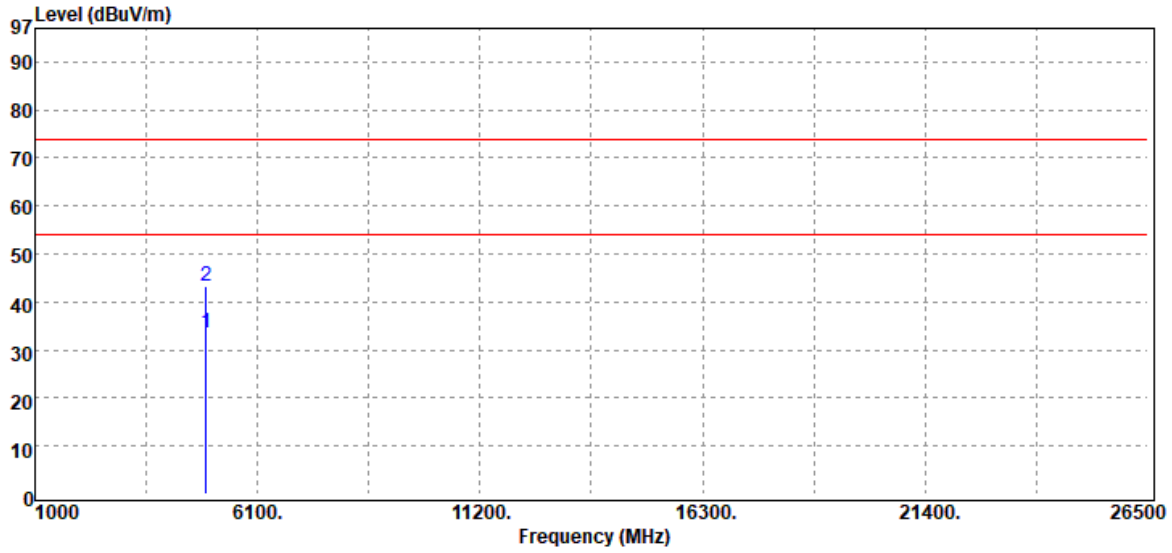
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4904.00	Average	26.63	6.93	33.56	54.00	-20.44
4904.00	Peak	36.15	6.93	43.08	74.00	-30.92

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax40 RU full	Test Date	:2021-06-08
Test Frequency	:2452 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



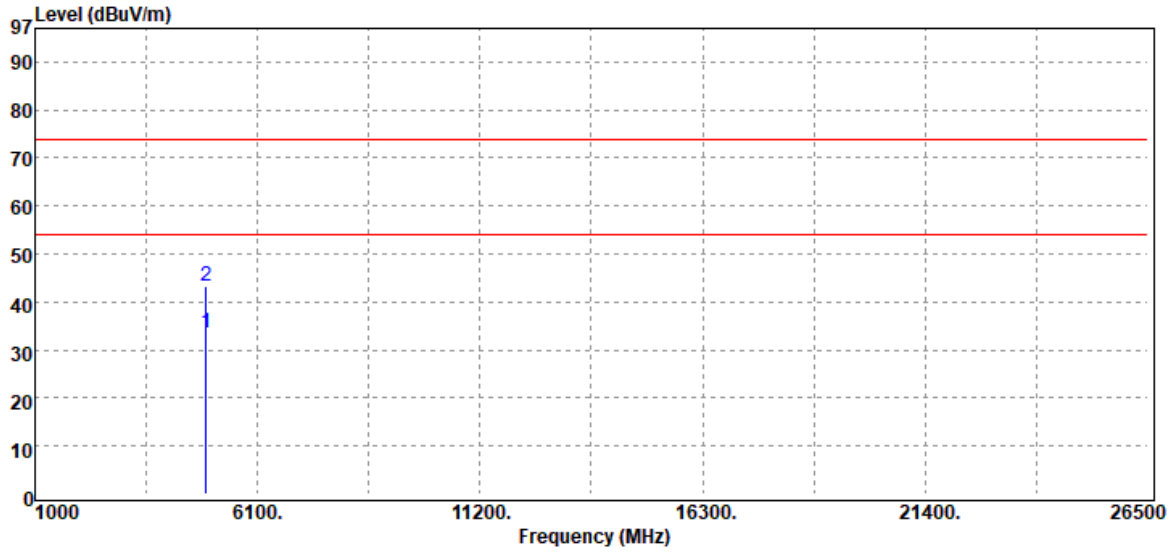
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4904.00	Average	26.56	6.93	33.49	54.00	-20.51
4904.00	Peak	35.58	6.93	42.51	74.00	-31.49

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax40 RU full	Test Date	:2021-06-08
Test Frequency	:2457 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



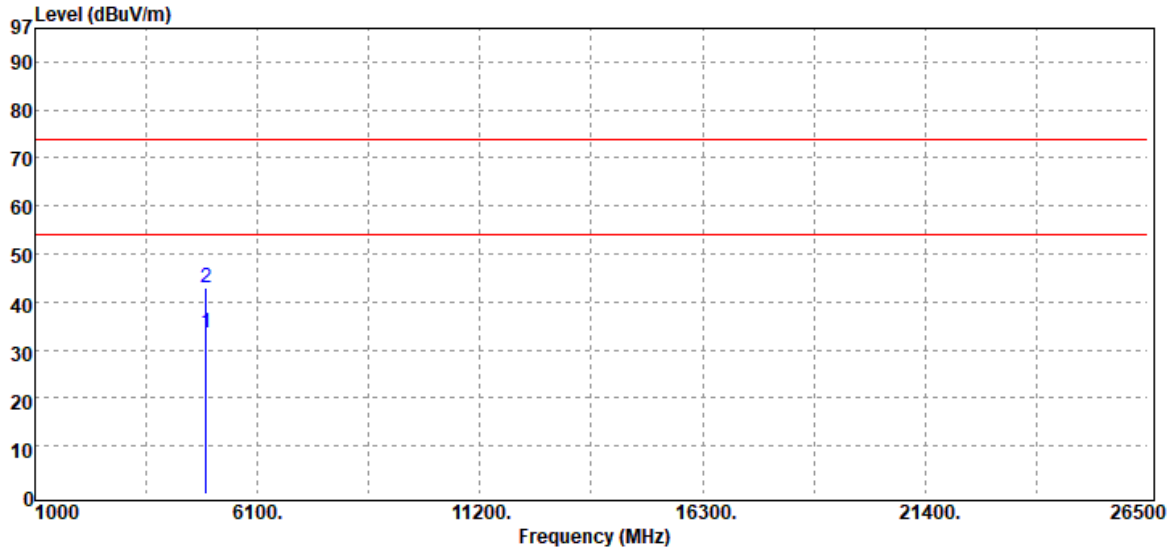
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4914.00	Average	26.65	6.99	33.64	54.00	-20.36
4914.00	Peak	36.44	6.99	43.43	74.00	-30.57

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax40 RU full	Test Date	:2021-06-08
Test Frequency	:2457 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



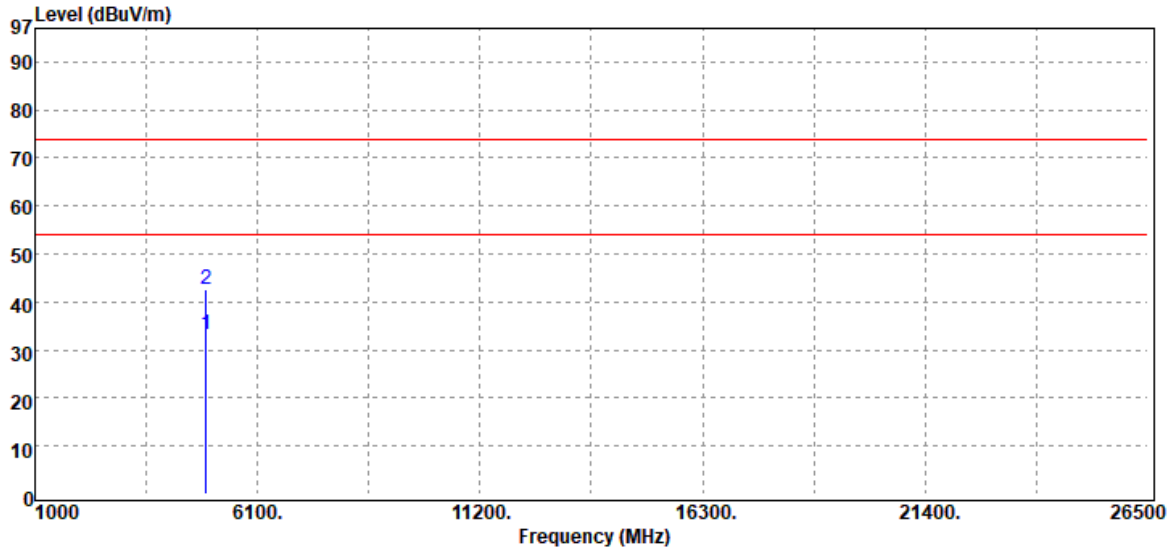
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4914.00	Average	26.44	6.99	33.43	54.00	-20.57
4914.00	Peak	36.24	6.99	43.23	74.00	-30.77

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax40 RU full	Test Date	:2021-06-08
Test Frequency	:2462 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Average	26.45	7.06	33.51	54.00	-20.49
4924.00	Peak	35.87	7.06	42.93	74.00	-31.07

Report Number	:ER-2021-40095	Test Site	:SAC III Chamber
Operation Mode	:802.11ax40 RU full	Test Date	:2021-06-08
Test Frequency	:2462 MHz	Temp./Humi.	:23.7/64
Test Mode	:Tx CH High	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plane	Engineer	:Nick Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4924.00	Average	26.33	7.06	33.39	54.00	-20.61
4924.00	Peak	35.68	7.06	42.74	74.00	-31.26

~ End of Report ~