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ELECTROMAGNETIC EMISSIONS CLASS II & IV PERMISSIVE CHANGE REPORT





Applicant: Framewok Computer Inc

447 Sutter St, PMB 135, San Francisco, CA, 94108-4618,

United States

Product Name: Portable Computer

Brand Name: Framework

Model No.: FRANPC0000

Report Number: TERF2207001061ER

FCC ID 2AZR6-FRANBBAT10

IC: 27217-FRANBBAT10

Issue Date: Sep. 14, 2022

Date of Test: Jul. 21, 2022

Date of EUT Received: Jul. 12, 2022

Approved By

Jazz Huang

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 comply with FCC rule part §15.247, ISED RSS-247.

The results of this report relate only to the sample identified in this report.

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Revision History						
Report Number Revision Description Issue Date Revised By Rema						
TERF2207001061ER	00	Original.	Sep. 14, 2022	Yi-Shan Tsai		

Note:

1 . The remark "*" indicates modification of the report upon requests from certification



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Section

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GENERAL INFORMATION

1.1 Product description

Product Name:	Portable Computer
Brand Name:	Framework
Model No.:	FRANPC0000
EUT Series No.:	FRANPCCP4B2213002E
Model No. of BT/WLAN Module:	AX211NGW
Power Supply:	15.4Vdc from Rechargeable Li-ion Polymer Battery 5 / 9 / 15 / 20Vdc from AC/DC Adapter
Test Software (Name/Version)	DRTU / DRTU_01026_22.130.0

1.2 RF Specification

Wi-Fi 802.11	Frequency Range	Channels	Modulation Technology		
b			DSSS		
g	2412-2472	13			
n_HT20 ax_HE20			OFDM, OFDMA		
n_HT40 ax_HE40	2422-2462	11			
Modulation	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 – 573.5 Mbps			

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1.3 Antenna Designation

Antenna Type	Supplier	Main / Aux	Antenna Part No.	Freq. (MHz)	Peak Antenna Gain (dBi)
PIFA AWAN	Main	AYF6Y-200005	2412~2472	2.72	
	AWAN	Aux	(DC33002SE00)	2412~2472	1.62

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.
- Antenna information is provided by the applicant.



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1.4 Test Methodology of Applied Standards

FCC Part 15, Subpart C §15.247

FCC KDB 558074 D01 DTS 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

1.5 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designa- tion number	IC CAB identifier
		SAC 1		
		SAC 3		
		Conduction 1		
	No.134, Wu Kung Road, New Taipei	Conducted 1		
	Industrial Park, Wuku District, New	Conducted 2	TW0027	
	Taipei City, Taiwan.	Conducted 3		TW3702
		Conducted 4	_	
		Conducted 5		
SGS Taiwan Ltd.		Conducted 6		
Central RF Lab.	No.2, Keji 1st Rd., Guishan District,	Conduction C	TW0028	
(TAF code 3702)		SAC C		
(1A1 Code 3702)		SAC D		
		SAC G		
		Conducted A		
		Conducted B		
	Taoyuan City, Taiwan 333	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.

1.6 Special Accessories

There are no special accessories used while test was conducted.

1.7 Equipment Modifications

There was no modification incorporated into the EUT.

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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*6m*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.

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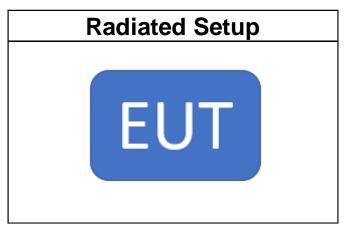
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2.5 Test Configuration



2.6 Control Unit(s)

Radiated Emission Test Site: SAC 1					
EQUIPMENT MFR MODEL NUM- SERIAL NUM- LAST CAL. CAL DUE.					
Test Software Audix e3 Ver. 9.210322 N.C.R N.C.R					

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

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SUMMARY OF TEST RESULTS

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

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DESCRIPTION OF TEST MODES

4.1 Operated in 2400 ~ 2483.5MHz Band

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

CLIANINIEI	FREQUENCY
CHANNEL	(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

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4.2 The Worst Test Modes and Channel Details

- 1. The EUT has been tested under operating condition.
- 2. aTest 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 gevin 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	☐ 1TX	⊠ 2TX
⊠ 802.11 ax	□ Ch0 □ Ch1 □ Ch2 □ Ch3	☐ 1TX	⊠ 2TX

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 TESTED MODULATION DATA RATE ANTENNA (Mbps) PORT						
802.11g	1 to 13	7	OFDM	6	ch0	

	RADIATED EMISSION TEST (ABOVE 1 GHz)									
MODE AVAILABLE CHANNEL		TESTED CHANNEL			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	MCS0	2TX					
802.11n(HT40)	3 to 11	3,7,9,10,11	OFDM	MCS0	2TX					
802.11ax (HE20)	1 to 13	1,7,11,12,13	OFDMA	MCS0	2TX					
802.11ax (HE40)	3 to 11	3,7,9,10,11	OFDMA	MCS0	2TX					

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MEASUREMENT UNCERTAINTY

Radiated Spurious Emission Measurement Uncertainty						
	+/-	2.57	dB	9kHz~30MHz		
Polarization: Vertical	+/-	4.85	dB	30MHz - 1000MHz		
Polarization, vertical	+/-	4.45	dB	1GHz - 18GHz		
	+/-	4.24	dB	18GHz - 40GHz		
	+/-	2.57	dB	9kHz~30MHz		
Delevization, Herizantel	+/-	4.37	dB	30MHz - 1000MHz		
Polarization: Horizontal	+/-	4.45	dB	1GHz - 18GHz		
	+/-	4.24	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.



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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.

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6.2 Measurement Equipment Used

	Radiated Emission Test Site: SAC 1								
EQUIPMENT TYPE	MFR	MODEL NUM- BER	SERIAL NUM- BER	LAST CAL.	CAL DUE.				
Horn Antenna	SCHWARZBECK	BBHA9120D	D803	12/20/2021	12/19/2022				
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT- N0555	01/03/2022	01/02/2023				
Horn Antenna	SCHWARZBECK	BBHA9170	184	12/16/2021	12/15/2022				
Site Cal	SGS	SAC 1	N/A	01/01/2022	12/31/2022				
Loop Antenna	ETS.LINDGREN	6502	148045	09/29/2021	09/28/2022				
Spectrum Ana- lyzer	Agilent	E4446A	MY51100003	10/26/2021	10/25/2022				
EMI Test Re- ceiver	R&S	ESCI 7	100759	08/26/2021	08/25/2022				
Pre-Amplifier	EMC Instruments	EMC184045B	980135	10/27/2021	10/26/2022				
Pre-Amplifier	HP	8449B	3008A01973	12/16/2021	12/15/2022				
Pre-Amplifier	HP	8447D	2944A09469	12/16/2021	12/15/2022				
Bandreject Filter 2400-2483.5	EWT	EWT-14-0166	M1	12/14/2021	12/13/2022				
3.2GHz High Pass Filter	WI	WHKX10-2624- 80SS	3	12/14/2021	12/13/2022				
Coaxial Cable	Huber Suhner	succoflex 102	MY2622/2	12/16/2021	12/15/2022				
Coaxial Cable	Huber Suhner	succoflex 104A	800086/4a	12/16/2021	12/15/2022				
Coaxial Cable	Huber Suhner	EMC 104-SM- SM-2000	160123	12/16/2021	12/15/2022				
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2630/2	12/16/2021	12/15/2022				
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY22962/2	12/16/2021	12/15/2022				

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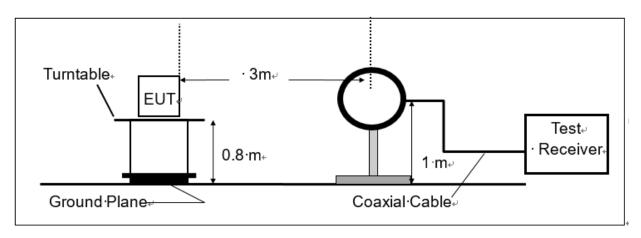
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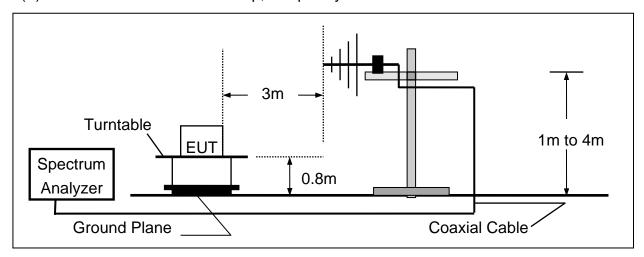
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6.3 Test Setup

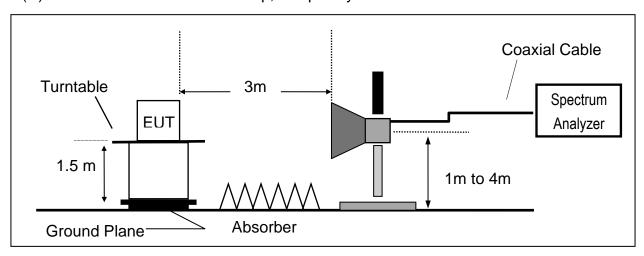
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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6.4 Measurement Procedure

- 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. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz.
- 6. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
- 7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Maximum Emission Measurements 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 Emission Measurements at frequency above 1 GHz.
- 9. 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.
- 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.
- 12. Repeat above procedures until all default test channel measured were complete.

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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 StrengthCL = 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 $FS(dB\mu V/m) = SPA$. Reading level(dB μV) + Factor(dB)

 $Factor(dB) = Antenna\ Factor(dB\mu V/m) + Cable\ Loss(dB) - Pre_Amplifier\ Gain(dB)$

6.6 Test Results of Radiated Spurious Emissions from 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.
- Measurements are completed at peak and average level, the mark of average is the highest emission in restricted bands

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6.7.1 Spurious Emission:

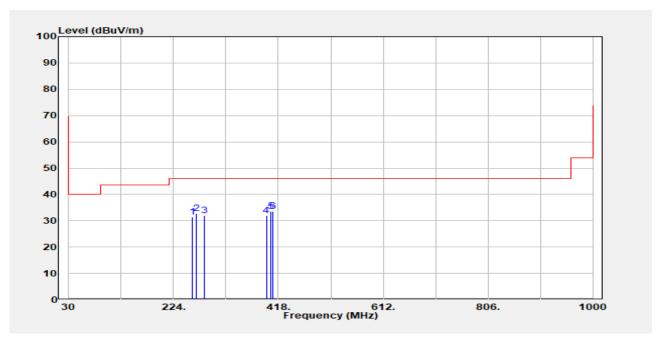
Report Number **Test Site** :SAC 1 :TERF2207001061ER

Operation Mode :802.11g **Test Date** :2022-07-21

Test Frequency :2442 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :GN Lin



Detector	Spectrum	Factor	Actual	Limit	Margin
Mode	Reading Level		FS	@3m	
PK/QP/AV	dΒμV	dB	dBμV/m	dΒμV/m	dB
Peak	40.57	-9.21	31.37	46.00	-14.63
Peak	42.11	-9.38	32.73	46.00	-13.27
Peak	41.64	-9.59	32.05	46.00	-13.95
Peak	38.92	-6.87	32.05	46.00	-13.95
Peak	40.22	-6.58	33.64	46.00	-12.36
Peak	39.96	-6.46	33.50	46.00	-12.50
	Mode PK/QP/AV Peak Peak Peak Peak Peak Peak Peak	Mode Reading Level PK/QP/AV dBµV Peak 40.57 Peak 42.11 Peak 41.64 Peak 38.92 Peak 40.22	Mode PK/QP/AV Reading Level dBμV dB Peak 40.57 -9.21 Peak 42.11 -9.38 Peak 41.64 -9.59 Peak 38.92 -6.87 Peak 40.22 -6.58	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Peak 40.57 -9.21 31.37 Peak 42.11 -9.38 32.73 Peak 41.64 -9.59 32.05 Peak 38.92 -6.87 32.05 Peak 40.22 -6.58 33.64	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Peak 40.57 -9.21 31.37 46.00 Peak 42.11 -9.38 32.73 46.00 Peak 41.64 -9.59 32.05 46.00 Peak 38.92 -6.87 32.05 46.00 Peak 40.22 -6.58 33.64 46.00

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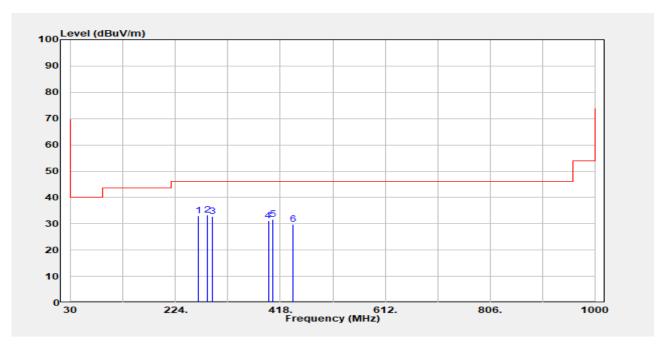


Operation Mode Test Date :2022-07-21 :802.11g

Test Frequency :2442 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
266.68	Peak	42.51	-9.38	33.14	46.00	-12.86
283.17	Peak	42.76	-9.54	33.22	46.00	-12.78
291.90	Peak	42.10	-9.34	32.76	46.00	-13.24
395.69	Peak	37.93	-6.87	31.06	46.00	-14.94
403.45	Peak	38.19	-6.58	31.61	46.00	-14.39
441.28	Peak	36.21	-6.46	29.75	46.00	-16.25

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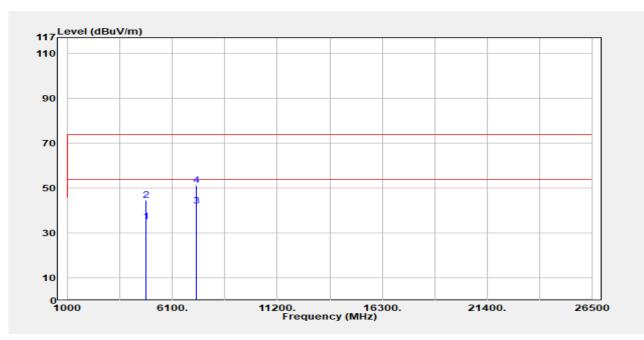


Operation Mode :802.11b **Test Date** :2022-07-21

Test Frequency :2412 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4824.00	Average	27.25	8.00	35.25	54.00	-18.75
4824.00	Peak	36.64	8.00	44.64	74.00	-29.36
7236.00	Average	26.77	15.26	42.03	54.00	-11.97
7236.00	Peak	36.16	15.26	51.42	74.00	-22.58

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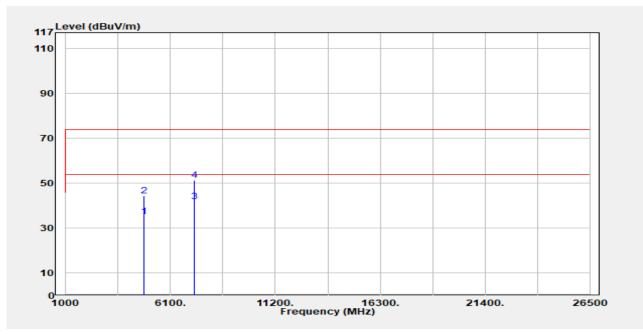


Operation Mode :802.11b **Test Date** :2022-07-21

Test Frequency :2412 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4824.00	Average	27.32	8.00	35.32	54.00	-18.68
4824.00	Peak	36.53	8.00	44.53	74.00	-29.47
7236.00	Average	26.64	15.26	41.90	54.00	-12.10
7236.00	Peak	35.95	15.26	51.21	74.00	-22.79

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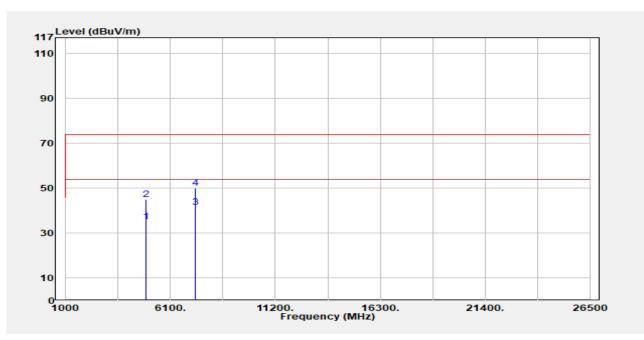


Operation Mode :802.11b **Test Date** :2022-07-21

Test Frequency :2442 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4884.00	Average	27.21	7.90	35.11	54.00	-18.89
4884.00	Peak	37.23	7.90	45.13	74.00	-28.87
7326.00	Average	26.43	15.21	41.64	54.00	-12.36
7326.00	Peak	34.83	15.21	50.04	74.00	-23.96

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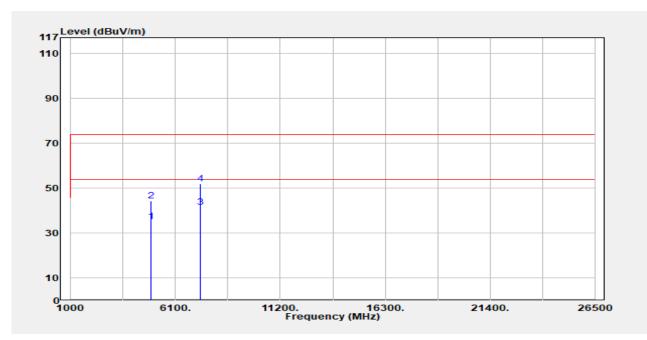


:802.11b **Test Date** :2022-07-21 Operation Mode

Test Frequency :2442 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4884.00	Average	27.43	7.90	35.33	54.00	-18.67
4884.00	Peak	36.54	7.90	44.44	74.00	-29.56
7326.00	Average	26.26	15.21	41.47	54.00	-12.53
7326.00	Peak	36.87	15.21	52.08	74.00	-21.92

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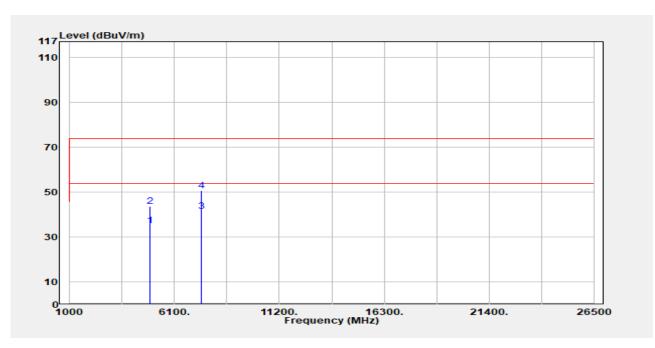


Operation Mode :802.11b **Test Date** :2022-07-21

Test Frequency :2462 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	4924.00	Average	27.22	7.89	35.11	54.00	-18.89
	4924.00	Peak	35.98	7.89	43.87	74.00	-30.13
	7386.00	Average	26.36	15.29	41.65	54.00	-12.35
	7386.00	Peak	35.42	15.29	50.72	74.00	-23.28

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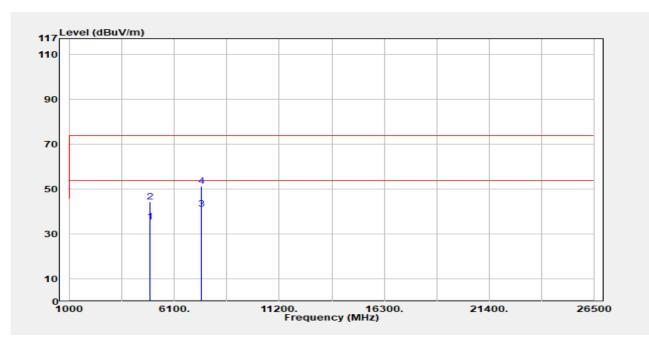


:802.11b **Test Date** :2022-07-21 Operation Mode

Test Frequency :2462 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4924.00	Average	27.58	7.89	35.47	54.00	-18.53
4924.00	Peak	36.52	7.89	44.40	74.00	-29.60
7386.00	Average	26.07	15.29	41.36	54.00	-12.64
7386.00	Peak	36.18	15.29	51.47	74.00	-22.53

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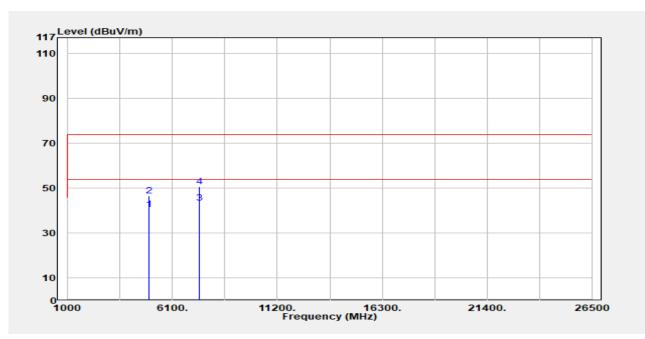


Operation Mode :802.11b **Test Date** :2022-07-21

Test Frequency :2467 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4934.00	Average	32.43	8.04	40.47	54.00	-13.53
4934.00	Peak	38.58	8.04	46.62	74.00	-27.38
7401.00	Average	28.29	15.17	43.46	54.00	-10.54
7401.00	Peak	35.58	15.17	50.74	74.00	-23.26

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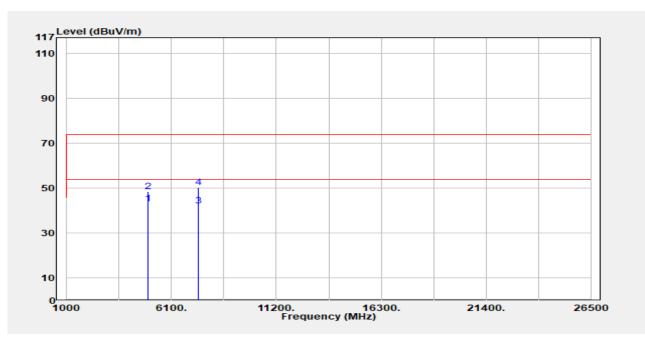


:802.11b **Test Date** :2022-07-21 Operation Mode

Test Frequency :2467 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4934.00	Average	34.97	8.04	43.01	54.00	-10.99
4934.00	Peak	40.60	8.04	48.63	74.00	-25.37
7401.00	Average	26.94	15.17	42.11	54.00	-11.89
7401.00	Peak	35.39	15.17	50.56	74.00	-23.44

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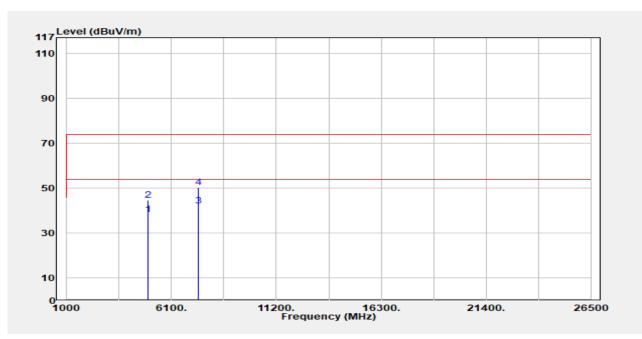


Operation Mode :802.11b **Test Date** :2022-07-21

Test Frequency :2472 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4944.00	Average	30.09	8.30	38.39	54.00	-15.61
4944.00	Peak	36.53	8.30	44.83	74.00	-29.17
7416.00	Average	26.98	15.12	42.10	54.00	-11.90
7416.00	Peak	35.24	15.12	50.36	74.00	-23.64

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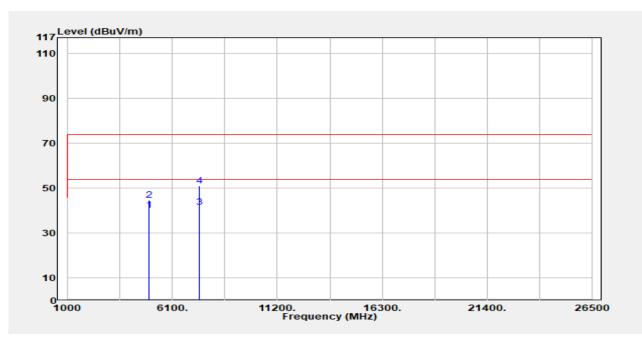


Operation Mode :802.11b **Test Date** :2022-07-21

Test Frequency :2472 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4944.00	Average	32.12	8.30	40.42	54.00	-13.58
4944.00	Peak	36.56	8.30	44.86	74.00	-29.14
7416.00	Average	26.34	15.12	41.46	54.00	-12.54
7416.00	Peak	35.83	15.12	50.95	74.00	-23.05

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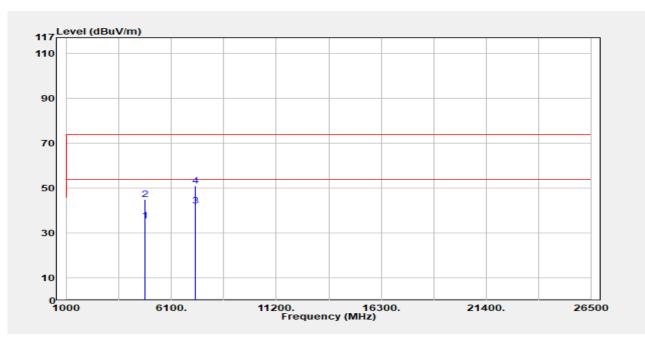


Operation Mode Test Date :2022-07-21 :802.11g

Test Frequency :2412 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	27.58	8.00	35.58	54.00	-18.42
4824.00	Peak	37.05	8.00	45.05	74.00	-28.95
7236.00	Average	26.93	15.26	42.19	54.00	-11.81
7236.00	Peak	35.92	15.26	51.18	74.00	-22.82

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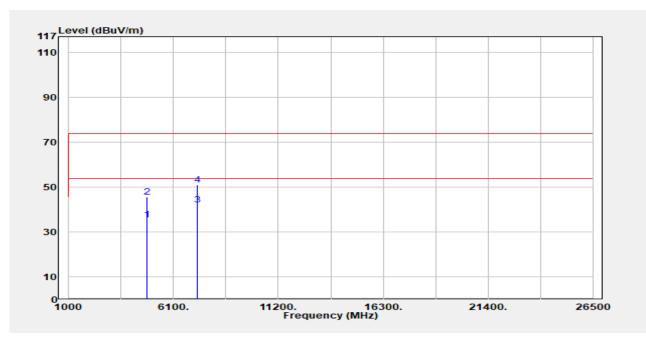


Operation Mode Test Date :2022-07-21 :802.11g

Test Frequency :2412 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4824.00	Average	27.54	8.00	35.54	54.00	-18.46
4824.00	Peak	37.53	8.00	45.53	74.00	-28.47
7236.00	Average	26.87	15.26	42.13	54.00	-11.87
7236.00	Peak	35.72	15.26	50.97	74.00	-23.03

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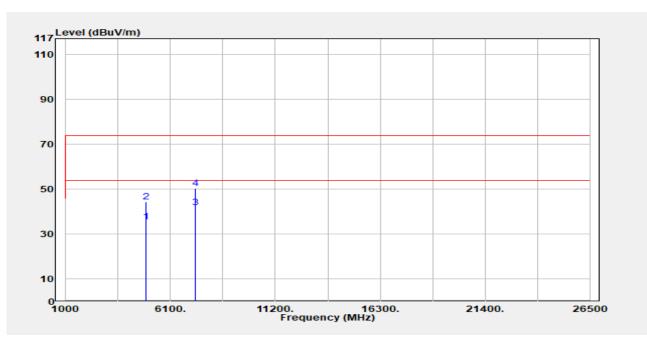


Operation Mode Test Date :2022-07-21 :802.11g

Test Frequency :2442 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4884.00	Average	27.52	7.90	35.42	54.00	-18.58
4884.00	Peak	36.57	7.90	44.47	74.00	-29.53
7326.00	Average	26.79	15.21	42.00	54.00	-12.00
7326.00	Peak	35.18	15.21	50.39	74.00	-23.61

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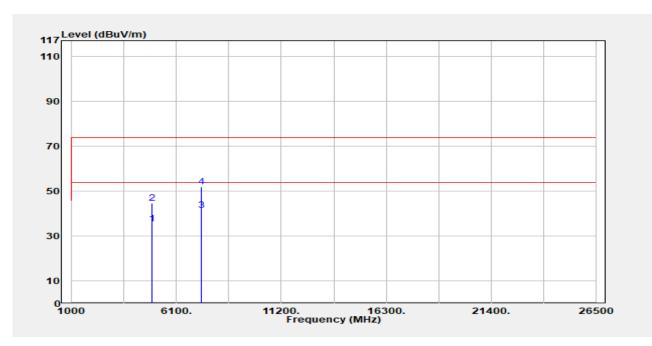


Operation Mode Test Date :2022-07-21 :802.11g

Test Frequency :2442 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	4884.00	Average	27.59	7.90	35.49	54.00	-18.51
	4884.00	Peak	36.78	7.90	44.68	74.00	-29.32
	7326.00	Average	26.48	15.21	41.69	54.00	-12.31
	7326.00	Peak	36.71	15.21	51.92	74.00	-22.08

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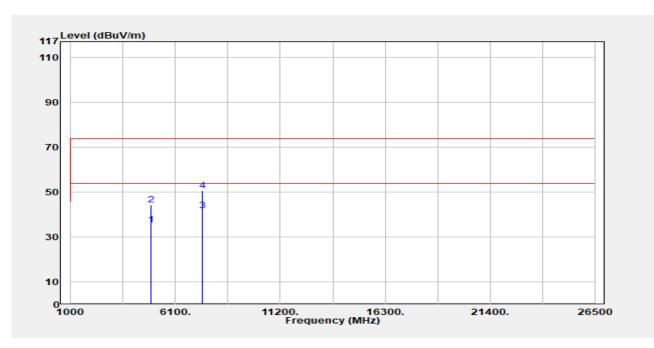


Operation Mode Test Date :2022-07-21 :802.11g

Test Frequency :2462 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	4924.00	Average	27.52	7.89	35.41	54.00	-18.59
	4924.00	Peak	36.65	7.89	44.53	74.00	-29.47
	7386.00	Average	26.57	15.29	41.86	54.00	-12.14
	7386.00	Peak	35.45	15.29	50.74	74.00	-23.26

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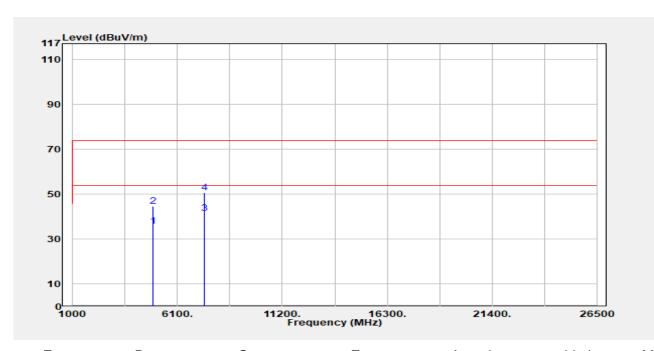


Operation Mode Test Date :2022-07-21 :802.11g

Test Frequency :2462 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	27.85	7.89	35.74	54.00	-18.26
4924.00	Peak	36.92	7.89	44.80	74.00	-29.20
7386.00	Average	26.22	15.29	41.51	54.00	-12.49
7386.00	Peak	35.59	15.29	50.88	74.00	-23.12

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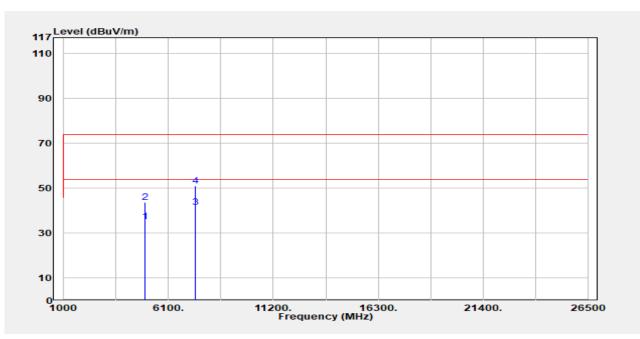


Operation Mode Test Date :2022-07-21 :802.11g

Test Frequency :2467 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4934.00	Average	27.21	8.04	35.25	54.00	-18.75
4934.00	Peak	35.76	8.04	43.80	74.00	-30.20
7401.00	Average	26.29	15.17	41.46	54.00	-12.54
7401.00	Peak	35.79	15.17	50.95	74.00	-23.05

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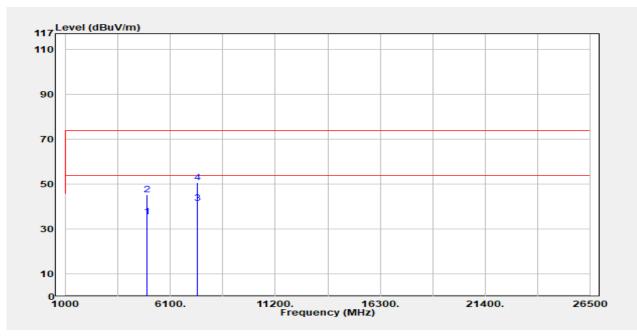
Report Number **Test Site** :SAC 1 :TERF2207001061ER

Operation Mode Test Date :2022-07-21 :802.11g

Test Frequency :2467 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4934.00	Average	27.46	8.04	35.50	54.00	-18.50
4934.00	Peak	37.21	8.04	45.24	74.00	-28.76
7401.00	Average	26.24	15.17	41.41	54.00	-12.59
7401.00	Peak	35.66	15.17	50.83	74.00	-23.17

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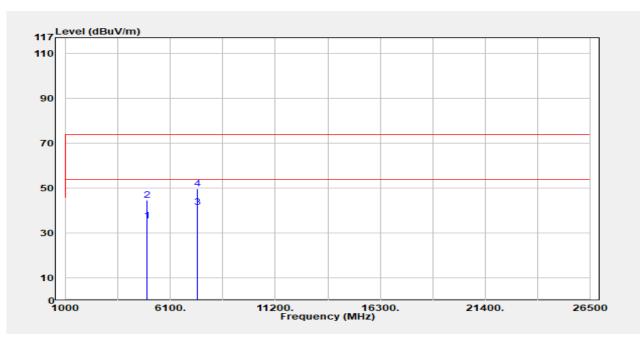


Operation Mode Test Date :2022-07-21 :802.11g

Test Frequency :2472 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4944.00	Average	27.12	8.30	35.42	54.00	-18.58
4944.00	Peak	36.55	8.30	44.85	74.00	-29.15
7416.00	Average	26.26	15.12	41.38	54.00	-12.62
7416.00	Peak	34.52	15.12	49.64	74.00	-24.36

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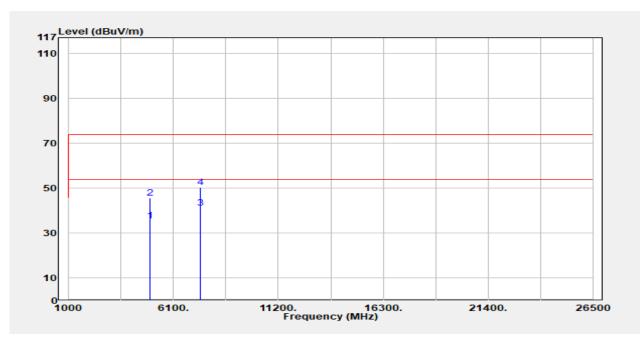


Operation Mode Test Date :2022-07-21 :802.11g

Test Frequency :2472 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4944.00	Average	27.19	8.30	35.49	54.00	-18.51
4944.00	Peak	37.23	8.30	45.53	74.00	-28.47
7416.00	Average	26.22	15.12	41.34	54.00	-12.66
7416.00	Peak	35.38	15.12	50.50	74.00	-23.50

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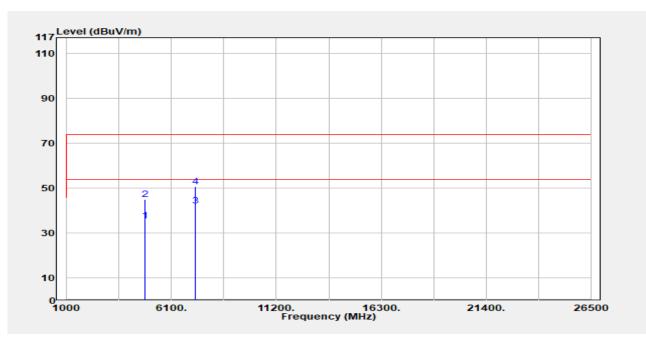


Operation Mode :802.11n20 **Test Date** :2022-07-21

Test Frequency :2412 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	27.61	8.00	35.61	54.00	-18.39
4824.00	Peak	37.02	8.00	45.02	74.00	-28.98
7236.00	Average	26.82	15.26	42.08	54.00	-11.92
7236.00	Peak	35.41	15.26	50.67	74.00	-23.33

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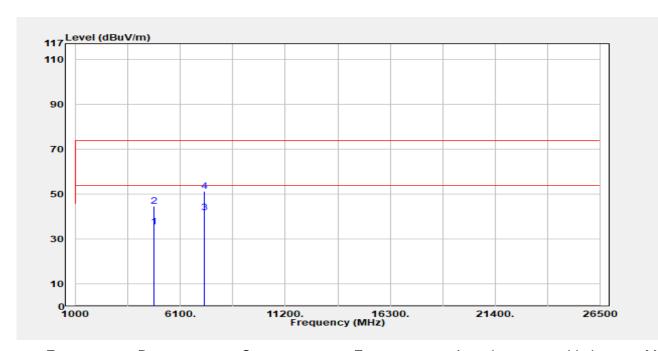


Operation Mode :802.11n20 **Test Date** :2022-07-21

Test Frequency :2412 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Detector	Spectrum	Factor	Actual	Limit	Margin
Mode	Reading Level		FS	@3m	
PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
Average	27.52	8.00	35.52	54.00	-18.48
Peak	36.66	8.00	44.66	74.00	-29.34
Average	26.45	15.26	41.71	54.00	-12.29
Peak	35.96	15.26	51.22	74.00	-22.78
	Mode PK/QP/AV Average Peak Average	Mode Reading Level PK/QP/AV dBμV Average 27.52 Peak 36.66 Average 26.45	Mode PK/QP/AV Reading Level dBμV dB Average 27.52 8.00 Peak 36.66 8.00 Average 26.45 15.26	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak 36.66 8.00 35.52 Average Peak 36.66 8.00 44.66 Average 26.45 15.26 41.71	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 36.66 8.00 35.52 54.00 Average Peak 36.66 8.00 44.66 74.00 Average 26.45 15.26 41.71 54.00

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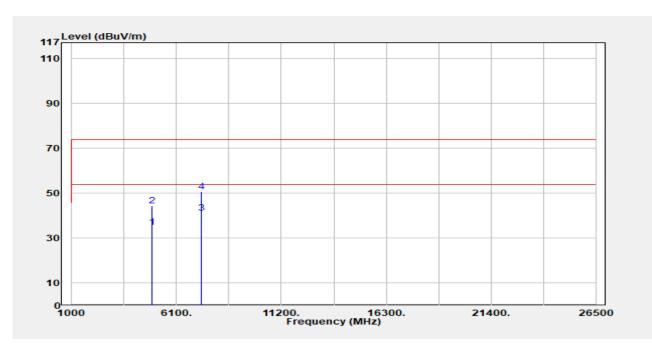


Operation Mode :802.11n20 **Test Date** :2022-07-21

Test Frequency :2442 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4884.00	Average	26.96	7.90	34.86	54.00	-19.14
4884.00	Peak	36.51	7.90	44.41	74.00	-29.59
7326.00	Average	26.06	15.21	41.27	54.00	-12.73
7326.00	Peak	35.63	15.21	50.85	74.00	-23.15

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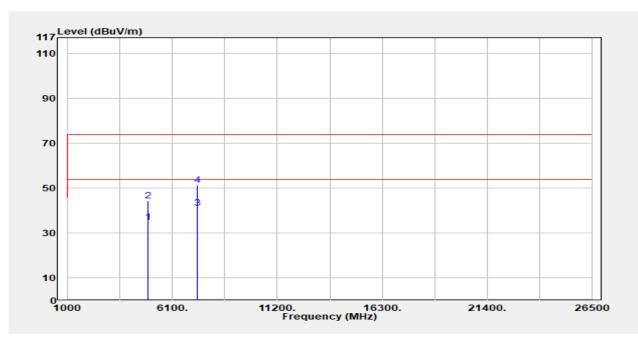


Operation Mode :802.11n20 **Test Date** :2022-07-21

Test Frequency :2442 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4884.00	Average	26.98	7.90	34.88	54.00	-19.12
4884.00	Peak	36.51	7.90	44.41	74.00	-29.59
7326.00	Average	25.96	15.21	41.17	54.00	-12.83
7326.00	Peak	36.24	15.21	51.45	74.00	-22.55

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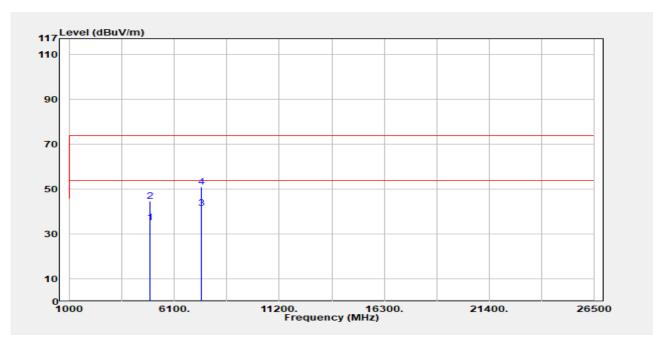


Operation Mode :802.11n20 **Test Date** :2022-07-21

Test Frequency :2462 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4924.00	Average	27.42	7.89	35.31	54.00	-18.69
4924.00	Peak	36.75	7.89	44.64	74.00	-29.36
7386.00	Average	26.12	15.29	41.41	54.00	-12.59
7386.00	Peak	35.63	15.29	50.92	74.00	-23.08

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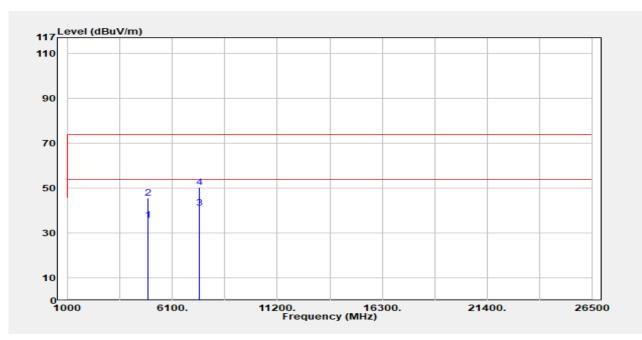


Operation Mode :802.11n20 **Test Date** :2022-07-21

Test Frequency :2462 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4924.00	Average	27.93	7.89	35.82	54.00	-18.18
4924.00	Peak	37.75	7.89	45.63	74.00	-28.37
7386.00	Average	26.01	15.29	41.30	54.00	-12.70
7386.00	Peak	35.03	15.29	50.32	74.00	-23.68

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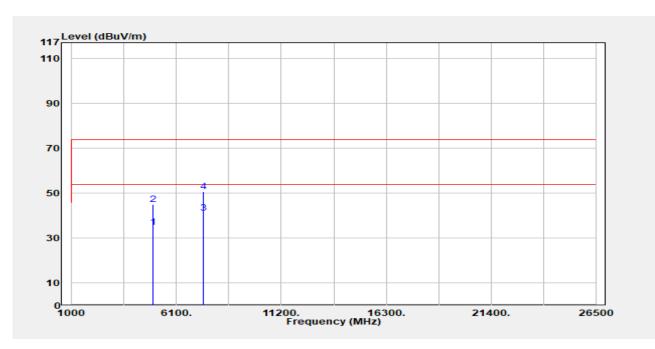


Operation Mode :802.11n20 **Test Date** :2022-07-21

Test Frequency :2467 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	4934.00	Average	26.89	8.04	34.93	54.00	-19.07
	4934.00	Peak	37.11	8.04	45.14	74.00	-28.86
	7401.00	Average	26.06	15.17	41.23	54.00	-12.77
	7401.00	Peak	35.45	15.17	50.62	74.00	-23.38

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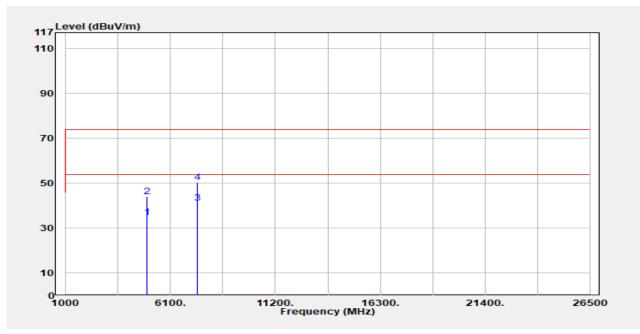


:802.11n20 **Test Date** :2022-07-21 Operation Mode

Test Frequency :2467 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4934.00	Average	26.94	8.04	34.98	54.00	-19.02
4934.00	Peak	35.89	8.04	43.93	74.00	-30.07
7401.00	Average	26.02	15.17	41.19	54.00	-12.81
7401.00	Peak	35.11	15.17	50.27	74.00	-23.73

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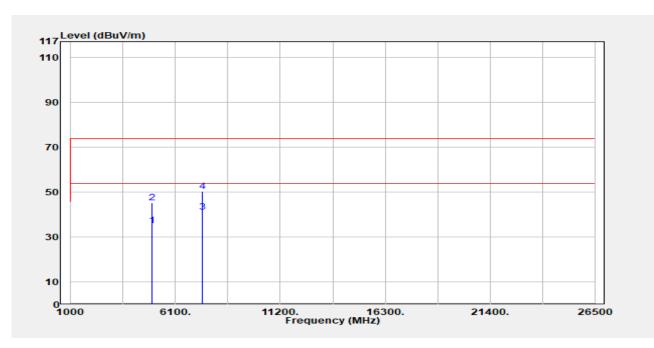


Operation Mode :802.11n20 **Test Date** :2022-07-21

Test Frequency :2472 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	4944.00	Average	26.93	8.30	35.23	54.00	-18.77
	4944.00	Peak	37.18	8.30	45.48	74.00	-28.52
	7416.00	Average	26.09	15.12	41.21	54.00	-12.79
	7416.00	Peak	35.30	15.12	50.42	74.00	-23.58

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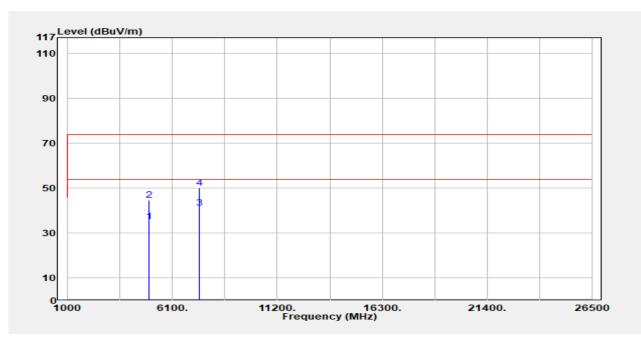


Operation Mode :802.11n20 **Test Date** :2022-07-21

Test Frequency :2472 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4944.00	Average	26.98	8.30	35.28	54.00	-18.72
4944.00	Peak	36.31	8.30	44.61	74.00	-29.39
7416.00	Average	26.07	15.12	41.19	54.00	-12.81
7416.00	Peak	35.00	15.12	50.12	74.00	-23.88

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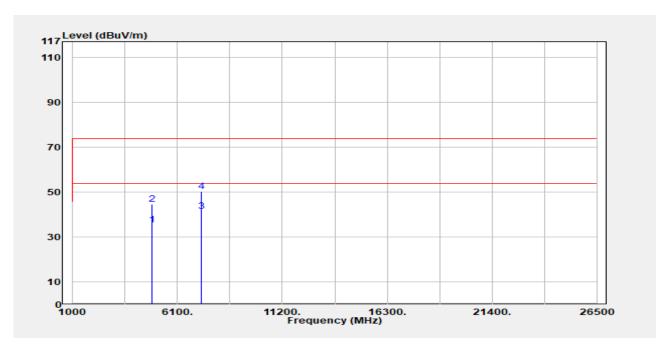


Operation Mode :802.11n40 **Test Date** :2022-07-21

Test Frequency :2422 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	4844.00	Average	27.26	8.12	35.38	54.00	-18.62
	4844.00	Peak	36.61	8.12	44.73	74.00	-29.27
	7266.00	Average	26.31	15.23	41.54	54.00	-12.46
	7266.00	Peak	35.33	15.23	50.55	74.00	-23.45

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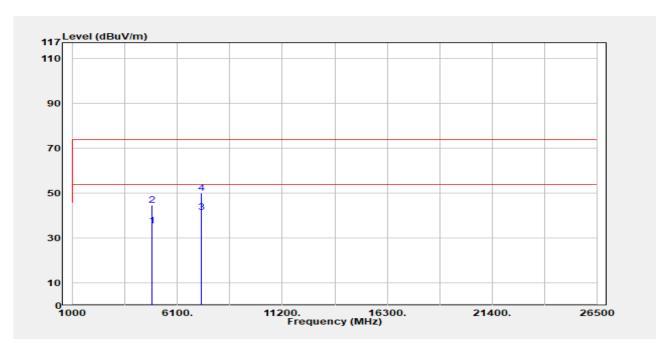


Operation Mode :802.11n40 **Test Date** :2022-07-21

Test Frequency :2422 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	4844.00	Average	27.28	8.12	35.40	54.00	-18.60
	4844.00	Peak	36.61	8.12	44.72	74.00	-29.28
	7266.00	Average	26.36	15.23	41.59	54.00	-12.41
	7266.00	Peak	34.75	15.23	49.97	74.00	-24.03

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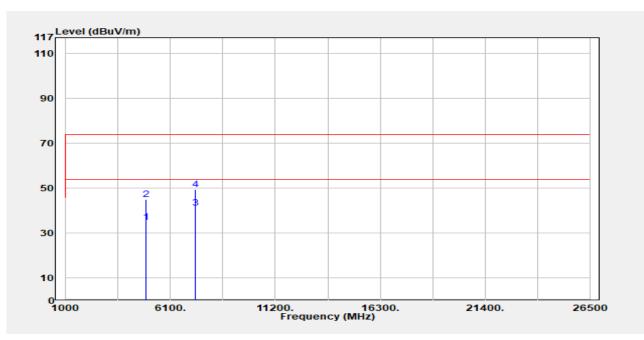


Operation Mode :802.11n40 **Test Date** :2022-07-21

Test Frequency :2442 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4884.00	Average	27.12	7.90	35.02	54.00	-18.98
4884.00	Peak	37.21	7.90	45.11	74.00	-28.89
7326.00	Average	26.16	15.21	41.37	54.00	-12.63
7326.00	Peak	34.29	15.21	49.50	74.00	-24.50

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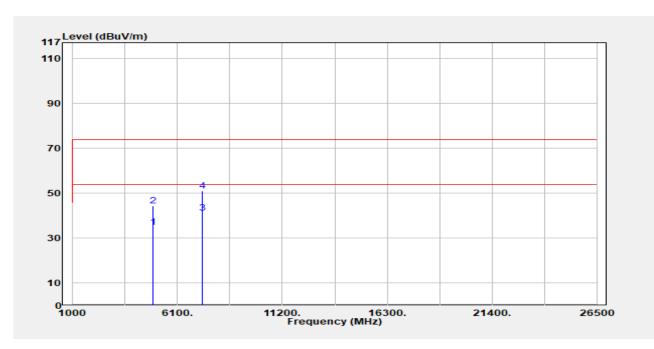


Operation Mode :802.11n40 **Test Date** :2022-07-21

Test Frequency :2442 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4884.00	Average	27.11	7.90	35.01	54.00	-18.99
4884.00	Peak	36.62	7.90	44.52	74.00	-29.48
7326.00	Average	26.09	15.21	41.30	54.00	-12.70
7326.00	Peak	35.77	15.21	50.98	74.00	-23.02

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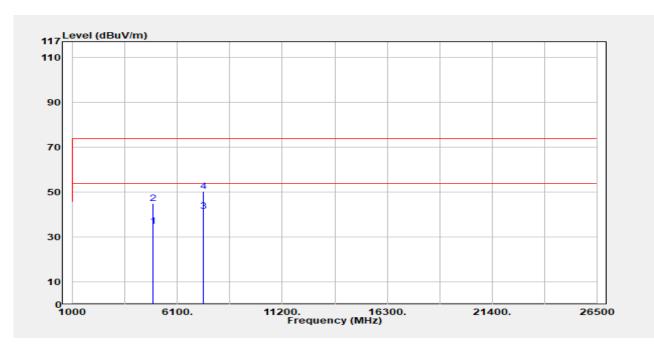


Operation Mode :802.11n40 **Test Date** :2022-07-21

Test Frequency :2452 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	4904.00	Average	27.13	7.83	34.96	54.00	-19.04
	4904.00	Peak	37.04	7.83	44.87	74.00	-29.13
	7356.00	Average	26.13	15.36	41.49	54.00	-12.51
	7356.00	Peak	34.95	15.36	50.31	74.00	-23.69

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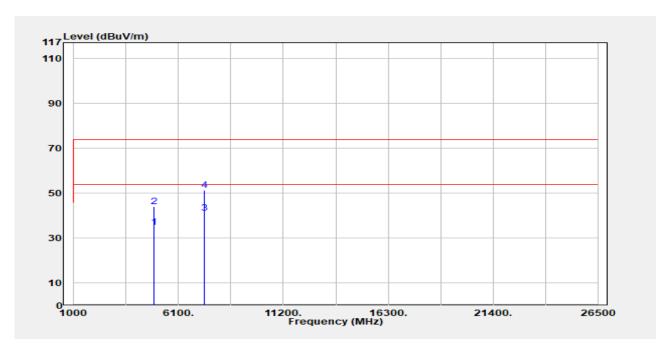


Operation Mode :802.11n40 **Test Date** :2022-07-21

Test Frequency :2452 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4904.00	Average	27.19	7.83	35.02	54.00	-18.98
4904.00	Peak	36.24	7.83	44.07	74.00	-29.93
7356.00	Average	25.90	15.36	41.26	54.00	-12.74
7356.00	Peak	36.02	15.36	51.38	74.00	-22.62

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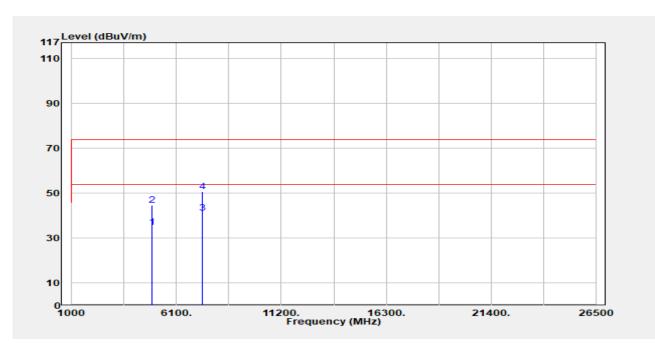


Operation Mode :802.11n40 **Test Date** :2022-07-21

Test Frequency :2457 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	4914.00	Average	26.99	7.86	34.85	54.00	-19.15
	4914.00	Peak	36.98	7.86	44.85	74.00	-29.15
	7371.00	Average	25.87	15.41	41.28	54.00	-12.72
	7371.00	Peak	35.28	15.41	50.69	74.00	-23.31

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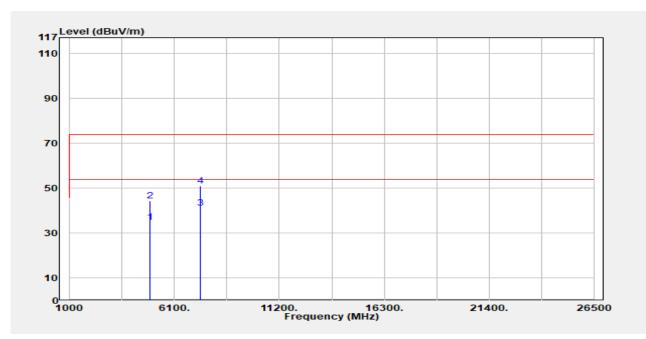


Operation Mode :802.11n40 **Test Date** :2022-07-21

Test Frequency :2457 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4914.00	Average	26.95	7.86	34.81	54.00	-19.19
4914.00	Peak	36.56	7.86	44.42	74.00	-29.58
7371.00	Average	25.91	15.41	41.32	54.00	-12.68
7371.00	Peak	35.57	15.41	50.98	74.00	-23.02

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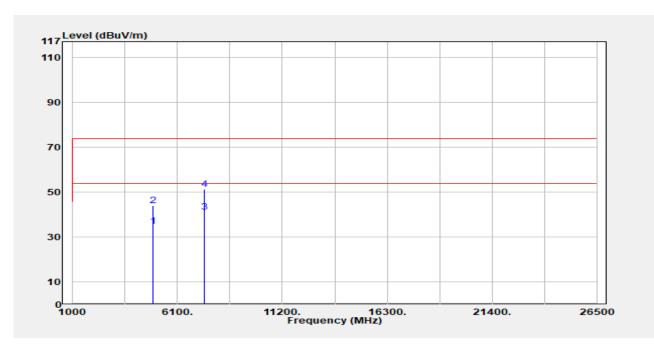


Operation Mode :802.11n40 **Test Date** :2022-07-21

Test Frequency :2462 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	26.84	7.89	34.73	54.00	-19.27
4924.00	Peak	36.07	7.89	43.96	74.00	-30.04
7386.00	Average	25.95	15.29	41.24	54.00	-12.76
7386.00	Peak	35.93	15.29	51.22	74.00	-22.78

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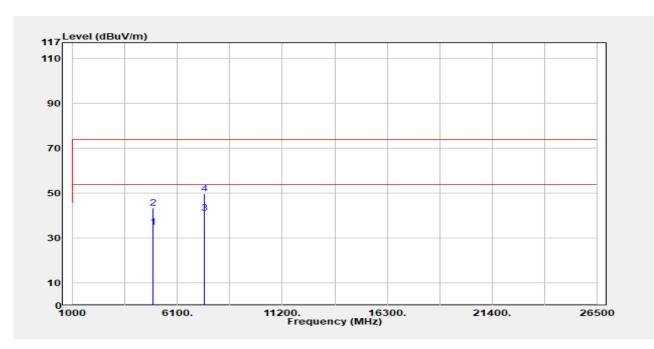


Operation Mode :802.11n40 **Test Date** :2022-07-21

Test Frequency :2462 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	4924.00	Average	26.88	7.89	34.77	54.00	-19.23
	4924.00	Peak	35.55	7.89	43.44	74.00	-30.56
	7386.00	Average	25.90	15.29	41.19	54.00	-12.81
	7386.00	Peak	34.63	15.29	49.92	74.00	-24.08

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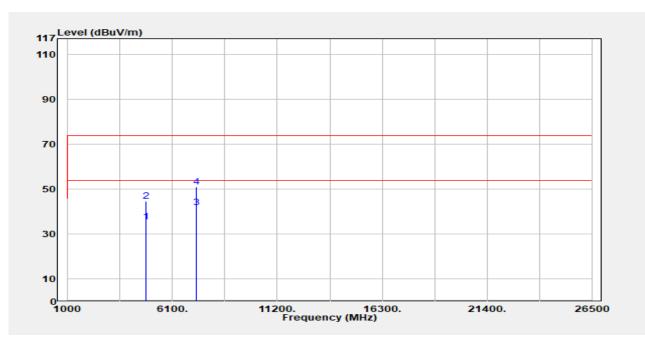


Operation Mode :802.11ax20 52/37 **Test Date** :2022-07-21

Test Frequency :2412 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4824.00	Average	27.51	8.00	35.51	54.00	-18.49
4824.00	Peak	36.80	8.00	44.80	74.00	-29.20
7236.00	Average	26.66	15.26	41.92	54.00	-12.08
7236.00	Peak	35.72	15.26	50.97	74.00	-23.03

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Report Number

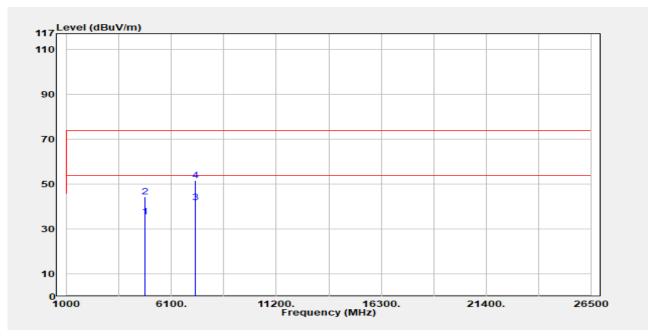
Test Site :SAC 1 :TERF2207001061ER

Operation Mode :802.11ax20 52/37 **Test Date** :2022-07-21

Test Frequency :2412 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4824.00	Average	27.55	8.00	35.55	54.00	-18.45
4824.00	Peak	36.34	8.00	44.34	74.00	-29.66
7236.00	Average	26.57	15.26	41.83	54.00	-12.17
7236.00	Peak	36.31	15.26	51.57	74.00	-22.43

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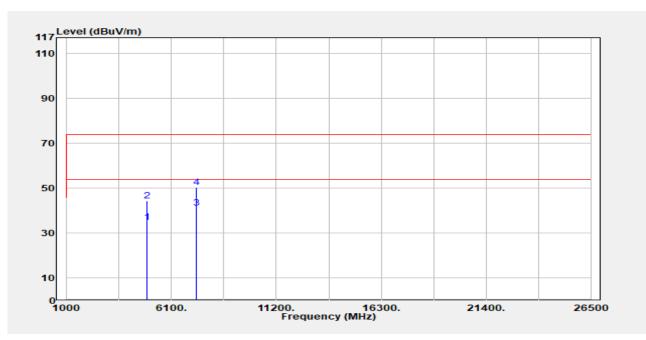


Operation Mode :802.11ax20 **Test Date** :2022-07-21

Test Frequency :2442 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4884.00	Average	27.02	7.90	34.92	54.00	-19.08
4884.00	Peak	36.47	7.90	44.37	74.00	-29.63
7326.00	Average	25.97	15.21	41.18	54.00	-12.82
7326.00	Peak	35.29	15.21	50.50	74.00	-23.50

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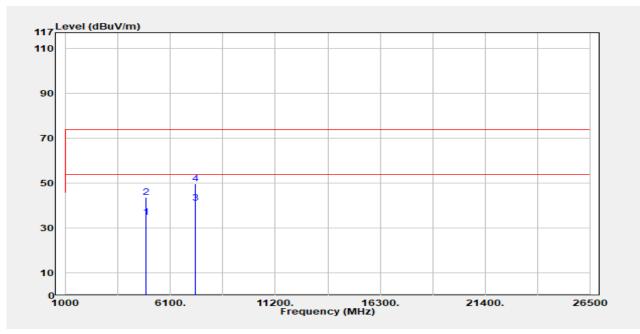


:802.11ax20 **Test Date** :2022-07-21 Operation Mode

Test Frequency :2442 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4884.00	Average	27.04	7.90	34.94	54.00	-19.06
4884.00	Peak	35.87	7.90	43.77	74.00	-30.23
7326.00	Average	26.04	15.21	41.25	54.00	-12.75
7326.00	Peak	34.60	15.21	49.81	74.00	-24.19

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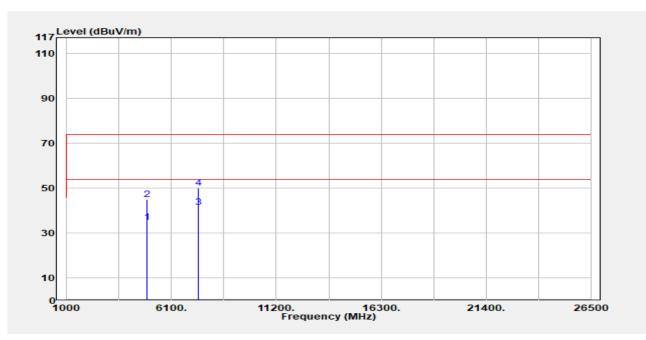


Operation Mode :802.11ax20 **Test Date** :2022-07-21

Test Frequency :2462 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	27.03	7.89	34.92	54.00	-19.08
4924.00	Peak	37.23	7.89	45.12	74.00	-28.88
7386.00	Average	26.18	15.29	41.47	54.00	-12.53
7386.00	Peak	34.94	15.29	50.23	74.00	-23.77

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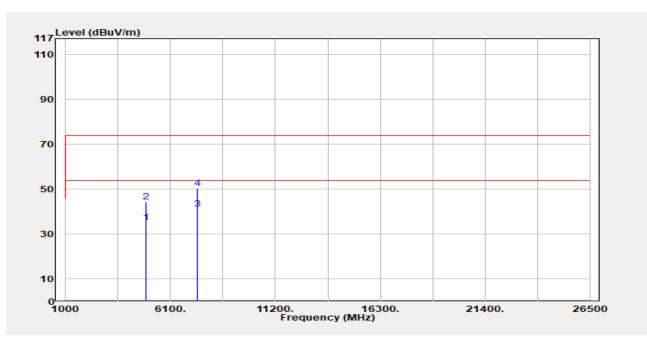


:802.11ax20 **Test Date** :2022-07-21 Operation Mode

Test Frequency :2462 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4924.00	Average	27.39	7.89	35.28	54.00	-18.72
4924.00	Peak	36.36	7.89	44.24	74.00	-29.76
7386.00	Average	25.97	15.29	41.26	54.00	-12.74
7386.00	Peak	34.99	15.29	50.29	74.00	-23.71

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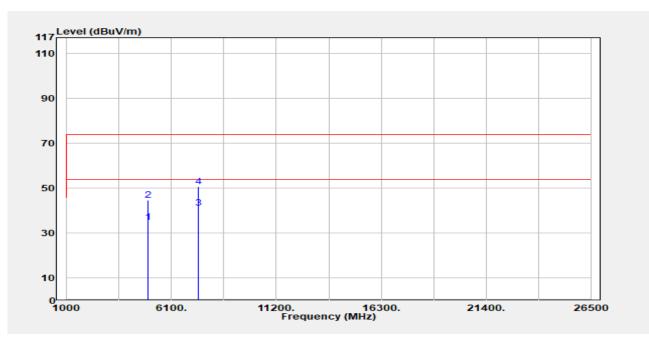


Operation Mode :802.11ax20 **Test Date** :2022-07-21

Test Frequency :2467 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4934.00	Average	26.89	8.04	34.93	54.00	-19.07
4934.00	Peak	36.68	8.04	44.72	74.00	-29.28
7401.00	Average	26.03	15.17	41.20	54.00	-12.80
7401.00	Peak	35.54	15.17	50.70	74.00	-23.30

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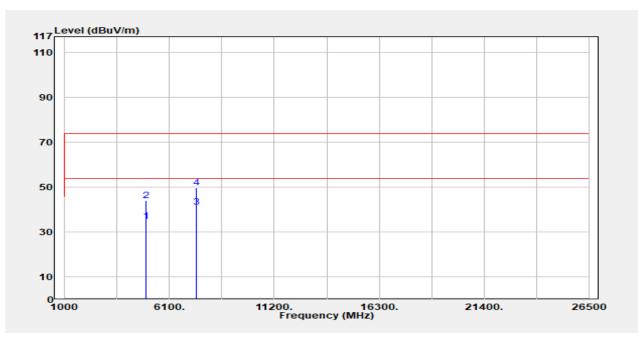


:802.11ax20 **Test Date** :2022-07-21 Operation Mode

Test Frequency :2467 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4934.00	Average	26.92	8.04	34.96	54.00	-19.04
4934.00	Peak	36.15	8.04	44.18	74.00	-29.82
7401.00	Average	26.06	15.17	41.23	54.00	-12.77
7401.00	Peak	34.68	15.17	49.85	74.00	-24.15

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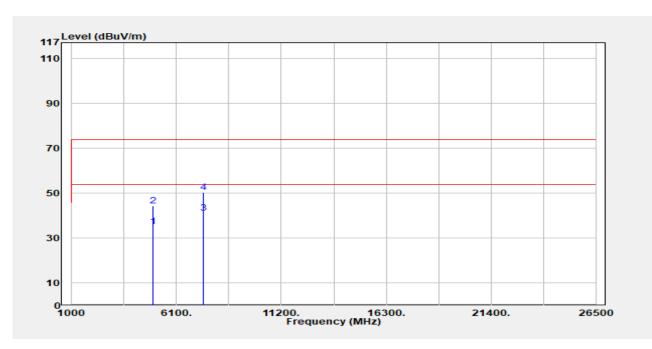


Operation Mode :802.11ax20 **Test Date** :2022-07-21

Test Frequency :2472 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4944.00	Average	26.90	8.30	35.20	54.00	-18.80
4944.00	Peak	35.96	8.30	44.26	74.00	-29.74
7416.00	Average	26.03	15.12	41.15	54.00	-12.85
7416.00	Peak	35.32	15.12	50.44	74.00	-23.56

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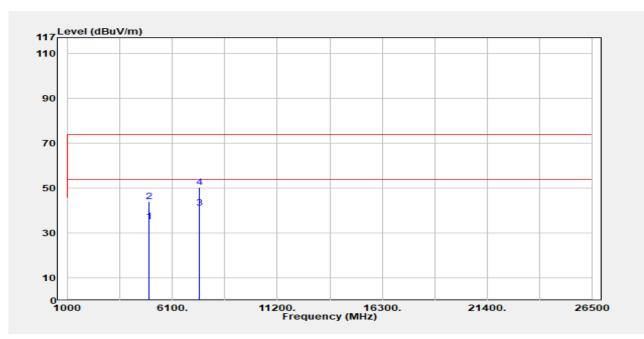


Operation Mode :802.11ax20 **Test Date** :2022-07-21

Test Frequency :2472 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4944.00	Average	26.96	8.30	35.26	54.00	-18.74
4944.00	Peak	35.77	8.30	44.07	74.00	-29.93
7416.00	Average	26.10	15.12	41.22	54.00	-12.78
7416.00	Peak	35.38	15.12	50.50	74.00	-23.50

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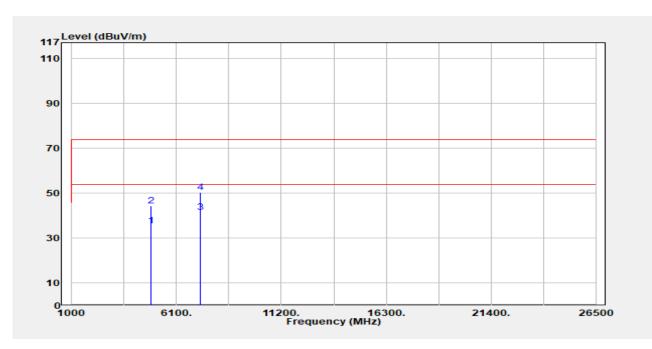
Report Number **Test Site** :SAC 1 :TERF2207001061ER

Operation Mode :802.11ax40 242/61 **Test Date** :2022-07-21

Test Frequency :2422 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4844.00	Average	27.24	8.12	35.36	54.00	-18.64
4844.00	Peak	36.21	8.12	44.32	74.00	-29.68
7266.00	Average	26.38	15.23	41.61	54.00	-12.39
7266.00	Peak	35.17	15.23	50.40	74.00	-23.60

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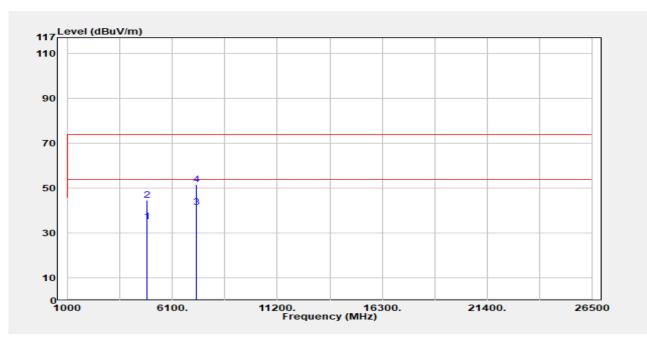


Operation Mode :802.11ax40 242/61 **Test Date** :2022-07-21

Test Frequency :2422 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4844.00	Average	27.20	8.12	35.32	54.00	-18.68
4844.00	Peak	36.63	8.12	44.75	74.00	-29.25
7266.00	Average	26.34	15.23	41.57	54.00	-12.43
7266.00	Peak	36.40	15.23	51.63	74.00	-22.37

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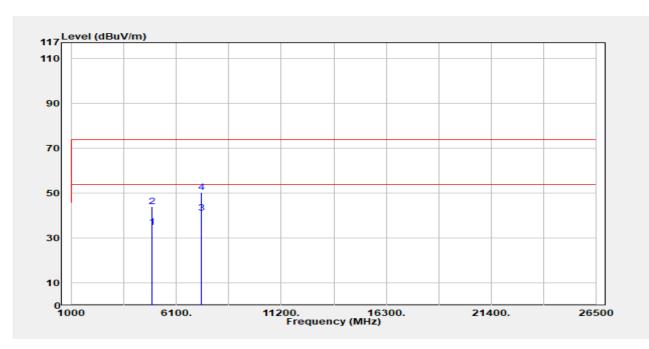
Report Number **Test Site** :SAC 1 :TERF2207001061ER

Operation Mode :802.11ax40 **Test Date** :2022-07-21

Test Frequency :2442 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	4884.00	Average	27.07	7.90	34.97	54.00	-19.03
	4884.00	Peak	36.28	7.90	44.19	74.00	-29.82
	7326.00	Average	26.09	15.21	41.30	54.00	-12.70
	7326.00	Peak	35.11	15.21	50.32	74.00	-23.68

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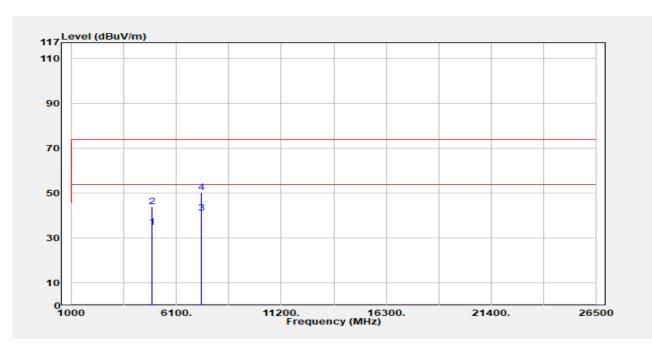


Operation Mode :802.11ax40 **Test Date** :2022-07-21

Test Frequency :2442 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4884.00	Average	27.11	7.90	35.01	54.00	-18.99
4884.00	Peak	36.05	7.90	43.95	74.00	-30.05
7326.00	Average	26.11	15.21	41.32	54.00	-12.68
7326.00	Peak	35.10	15.21	50.31	74.00	-23.69

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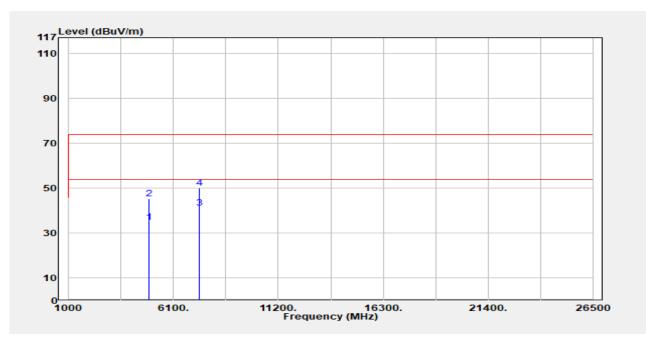
Report Number **Test Site** :SAC 1 :TERF2207001061ER

Operation Mode :802.11ax40 **Test Date** :2022-07-21

Test Frequency :2452 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4904.00	Average	27.15	7.83	34.98	54.00	-19.02
4904.00	Peak	37.43	7.83	45.26	74.00	-28.74
7356.00	Average	25.87	15.36	41.23	54.00	-12.77
7356.00	Peak	34.76	15.36	50.11	74.00	-23.89

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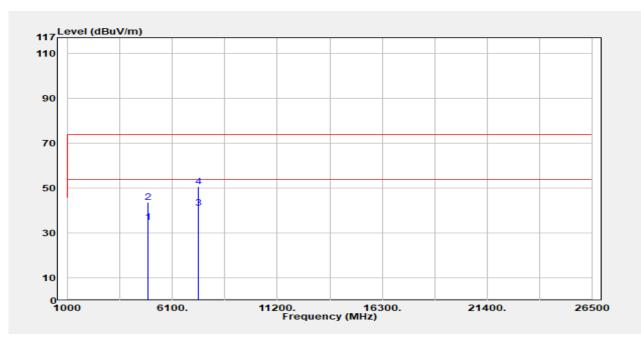


Operation Mode :802.11ax40 **Test Date** :2022-07-21

Test Frequency :2452 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4904.00	Average	27.12	7.83	34.95	54.00	-19.05
4904.00	Peak	35.97	7.83	43.80	74.00	-30.20
7356.00	Average	25.83	15.36	41.19	54.00	-12.81
7356.00	Peak	35.51	15.36	50.86	74.00	-23.14

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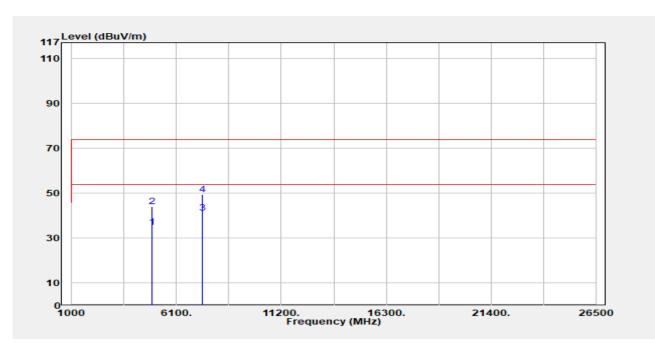


Operation Mode :802.11ax40 **Test Date** :2022-07-21

Test Frequency :2457 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	4914.00	Average	27.06	7.86	34.92	54.00	-19.08
	4914.00	Peak	36.18	7.86	44.04	74.00	-29.96
	7371.00	Average	25.93	15.41	41.34	54.00	-12.66
	7371.00	Peak	34.14	15.41	49.55	74.00	-24.45

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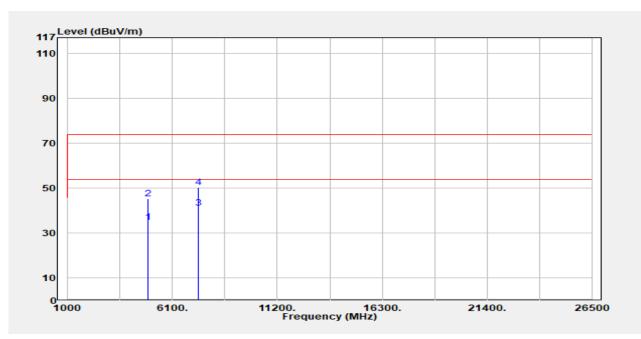


Operation Mode :802.11ax40 **Test Date** :2022-07-21

Test Frequency :2457 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4914.00	Average	26.96	7.86	34.82	54.00	-19.18
4914.00	Peak	37.40	7.86	45.26	74.00	-28.74
7371.00	Average	25.89	15.41	41.30	54.00	-12.70
7371.00	Peak	34.91	15.41	50.32	74.00	-23.68

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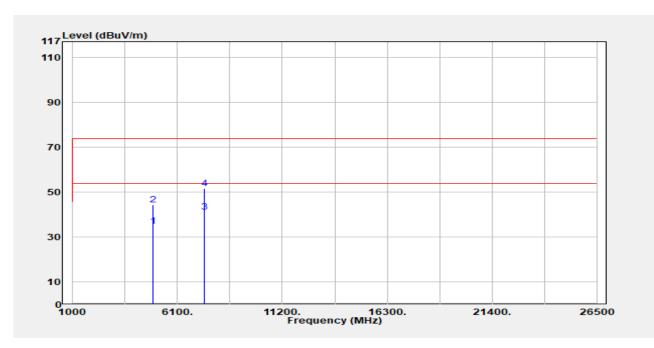


Operation Mode :802.11ax40 **Test Date** :2022-07-21

Test Frequency :2462 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :NB Plane :GN Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	4924.00	Average	26.96	7.89	34.85	54.00	-19.15
	4924.00	Peak	36.65	7.89	44.54	74.00	-29.46
	7386.00	Average	25.96	15.29	41.25	54.00	-12.75
	7386.00	Peak	36.38	15.29	51.67	74.00	-22.33

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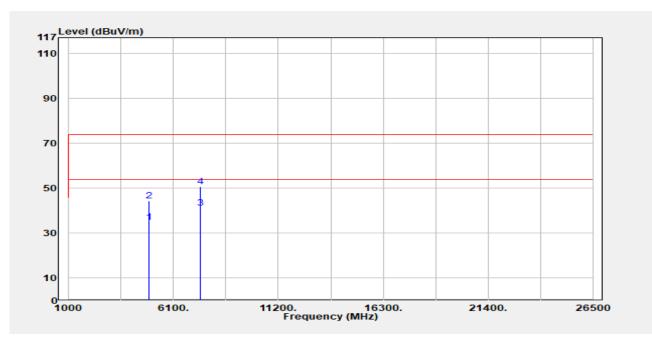


:802.11ax40 **Test Date** :2022-07-21 Operation Mode

Test Frequency :2462 MHz Temp./Humi. :24.1/72

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :NB Plane :GN Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	4924.00	Average	26.92	7.89	34.81	54.00	-19.19
	4924.00	Peak	36.43	7.89	44.32	74.00	-29.68
	7386.00	Average	26.04	15.29	41.33	54.00	-12.67
	7386.00	Peak	35.56	15.29	50.86	74.00	-23.14

~ End of Report ~

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