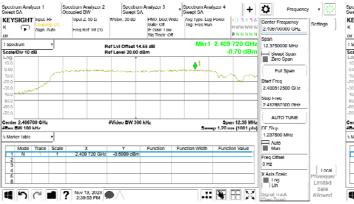
Report No.: TERF2310002626ER Page: 90 of 261

802.11ax_20MHz_WLAN2_2462MHz_RU26_8



802.11ax_20MHz_WLAN2_2412MHz_RU106_53

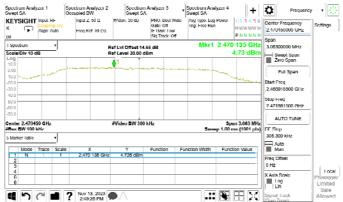
SGS

802.11ax_20MHz_WLAN2_2437MHz

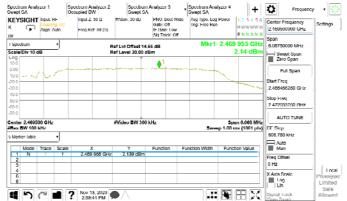


802.11ax_20MHz_WLAN2_2462MHz

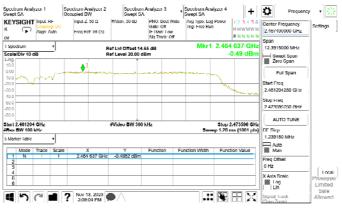




802.11ax_20MHz_WLAN2_2462MHz_RU52_40



802.11ax_20MHz_WLAN2_2462MHz_RU106_54



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Report No.: TERF2310002626ER Page: 91 of 261

802.11ax_40MHz_WLAN1_2452MHz

SGS

802.11ax_40MHz_WLAN1_2422MHz



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Function

X Y 2.441 990 GHz -0.8088 dBm

Function Width Function V

.:: 😵

Freq Offset 0 Hz

X Axis Scal

X

Local

Limite Sale

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Mode Trace Scale

C C 2023

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Mode Trace Scale

1 5 C 1 2 C 30, 2023

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Function Width

Function

X Y 2.416 990 GHz 0.3296 dBm

Function Value

ΞX

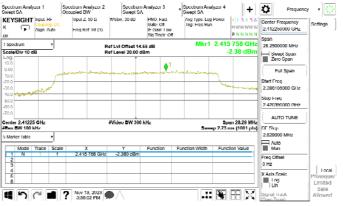
Freq Offset 0 Hz

X Axis Se

Report No.: TERF2310002626ER Page: 92 of 261



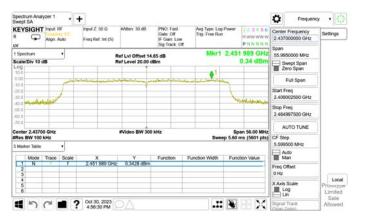
802.11ax_40MHz_WLAN2_2422MHz_RU242_61



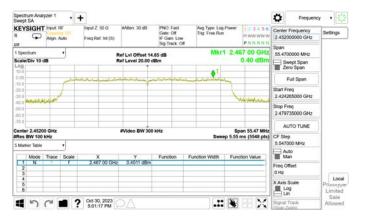
, Spectrum Analyzer 1 Swept SA Spectrum Analyzer 3 Swept SA Ö Spectrum Analyzer 4 Spectrum Analyzer 2 Occupied BW + Frequency + PNO: Fast Gate: Off IF Gain: Lov Sig Track: C Input Z. 50 G KEYSIGHT Input R Center Freque Avg Type, Log I Ing: Free Run Settings P eq Het Int (S PNNNN 7 031 GHz Span 28.2900000 MHz Ref Lvi Offset 14.65 dB Ref Level 20.00 dBm 1 Spoctrum Scale/Div 10 dB -1.72 dE Zero Span ٠ Full Span Start Freq 2.4475384 400 GU Sloo Freq 2 475829400 GH AUTO TUNE Center 2.46168 CH 4Res BW 100 kHz Notes BW 300 kH OF Slop 2.828 0 MHz Auto Mari Mode Trace Scale X 2.467 031 GHz -1.721 dBm Freq Offse 0 Hz Loca X Axta So Log Limite 4 5 C 1 2023

802.11ax_40MHz_WLAN2_2452MHz_RU242_62

802.11ax_40MHz_WLAN2_2437MHz



802.11ax_40MHz_WLAN2_2452MHz



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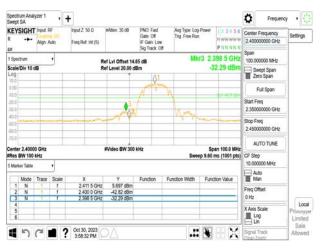
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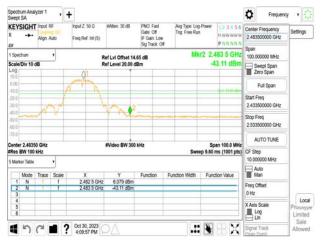
Report No.: TERF2310002626ER Page: 93 of 261



802.11b_20MHz_WLAN1_2412MHz



802.11b_20MHz_WLAN1_2462MHz



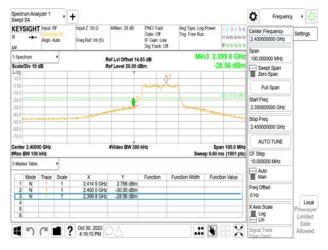
802.11b_20MHz_WLAN2_2412MHz



802.11b_20MHz_WLAN2_2462MHz



802.11g_20MHz_WLAN1_2412MHz





Spectrum Analyzer 1 Swept SA Ö Frequency . · + PNO Fast Gate Off IF Gain Low Sig Track: Off 1 2 3 4 5 6 Center Frequency 2 483500000 GHz KEYSIGHT Input RF Input Z 50 0 Avg Type: Log-Power Trig: Free Run #Atten 30 dB Settings Alian Auto Freq Ref. Int (S) DI Spar 2.484 7 GHz Ref Lvi Offset 14.65 dB Ref Level 20.00 dB-100.000000 MHz Scale/Div 10 dB -34,51 d Swept Span Zero Span Full Span Start Freq 66 2.433500000 GHz Stop Freq 2.5335000 OD CH AUTO TUNE pan 100.0 MHz ms (1001 pts) CF Step Center 2.48350 GH #Res BW 100 kHz Auto Man Function Width Function Value Freq Offse 0 Hz -35.10 dBm -34.51 dBm Local X Axis Scale Limite Sale C C 1 C 2023 X .:: ¥ Signa

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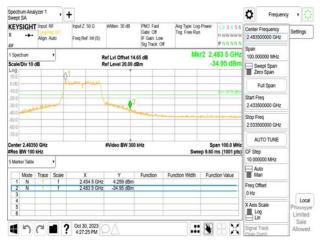
Report No.: TERF2310002626ER Page: 94 of 261



802.11g_20MHz_WLAN2_2412MHz



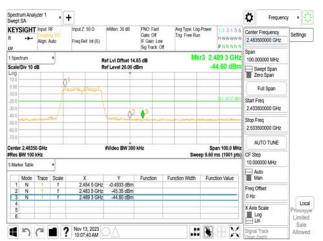
802.11g_20MHz_WLAN2_2462MHz



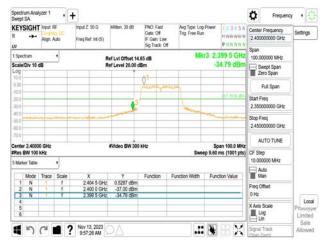
802.11n_20MHz_WLAN1_2412MHz



802.11n_20MHz_WLAN1_2462MHz



802.11n_20MHz_WLAN2_2412MHz



802.11n_20MHz_WLAN2_2462MHz

Spectrum Analyzer 1 Swept SA Ö Frequency . · + PNO Fast Gate Off IF Gain Low Sig Track: Off 1 2 3 4 5 6 Cen KEYSIGHT Input RF Input Z 50 0 Avg Type: Log-Power Trig: Free Run #Atten 30 dB ter Frequency 83500000 GHz Settings 2.483500 Alian Auto Freq Ref. Int (S) DI Spar 2.483 8 GHz Ref Lvi Offset 14.65 dB Ref Level 20.00 dB-100.000000 MHz Scale/Div 10 dB 40.14 d Swept Span Zero Span Full Span Start Freq 2.433500000 GHz Stop Freq 2.5335000 OD CH AUTO TUNE pan 100.0 MHz ms (1001 pts) CF Step Center 2.48350 GH #Res BW 100 kHz Auto Man Function Width Function Value 0.2369 dBr -41.04 dBr -40.14 dBr Freq Offse 0 Hz 2.483 5 GHz 2.483 8 GHz Local X Axis Scale Limite Sale 10.08.02 AM X .: ¥ Signa

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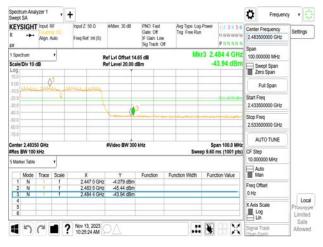
Report No.: TERF2310002626ER Page: 95 of 261



802.11n_40MHz_WLAN1_2422MHz



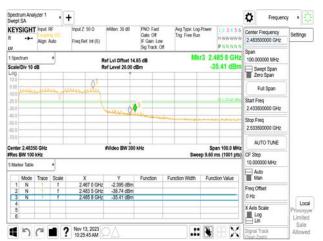
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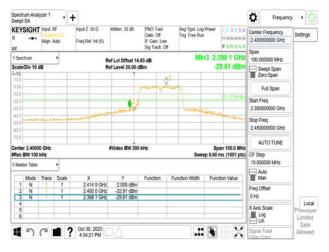
802.11n_40MHz_WLAN2_2422MHz



802.11n_40MHz_WLAN2_2452MHz



802.11ax_20MHz_WLAN1_2412MHz



802.11ax_20MHz_WLAN1_2412MHz_RU26_0

Spectrum Analyzer 1 Swept SA Ö Frequency . · + PNO: Fest Gate: Off IF Gain: Low Sig Track: Off 1 2 3 4 5 6 Center Frequency KEYSIGHT Input R Input Z 50 D #Atlen: 30 dB Avg Type: Log-Power Trig: Free Run ettings Align: Auto Freq Ref. Int (S) EN7 2.398 4 GHz Ref Lvi Offset 14.65 dB Ref Level 20.00 dBm 100.000000 MHz Scale/Div 10 dB -39.38 d Swept Span Full Span Start Freq 2.35000000 GH Stop Freq 2,4500000 now AUTO TUNE Center 2.40000 GI Res BW 100 kHz span 100.0 MHz eep 9.60 ms (1001 pts) CF Step Auto Man Function Width Function Value 404 0 GHz Freq Offset 0 Hz 2.400 0 GHz 2.398 4 GHz -44.50 dBr -39.38 dBr Local X Axis Scale Sale 1 5 C 1 ? Nov 16, 2023 X .:: 😵 Signa

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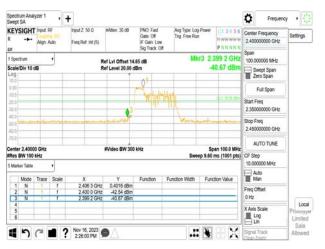
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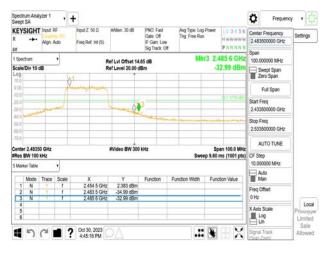
802.11ax_20MHz_WLAN1_2412MHz_RU52_37



802.11ax_20MHz_WLAN1_2412MHz_RU106_53



802.11ax_20MHz_WLAN1_2462MHz



802.11ax_20MHz_WLAN1_2462MHz_RU26_8







802.11ax_20MHz_WLAN1_2462MHz_RU106_54



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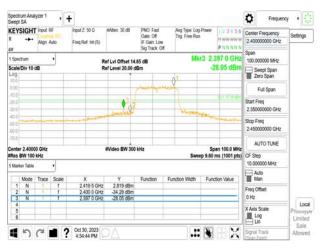
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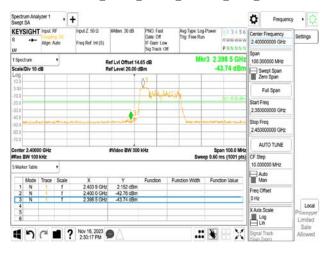
802.11ax_20MHz_WLAN2_2412MHz



802.11ax_20MHz_WLAN2_2412MHz_RU26_0



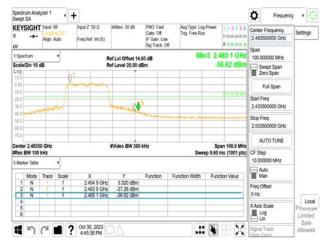
802.11ax_20MHz_WLAN2_2412MHz_RU52_37



802.11ax_20MHz_WLAN2_2412MHz_RU106_53







802.11ax_20MHz_WLAN2_2462MHz_RU26_8

Spectrum Analyzer 1 Swept SA Ö Frequency . · + 1 2 3 4 5 6 M WW WW 2 483500000 GHz PNO Fast Gate Of IF Gain Low Sig Track Of KEYSIGHT Input Rd Input Z 50 D Avg Type, Log-Power Trig: Free Run Alten: 30 dB Settings Non: Auto Freq Ref. Int (S) -EV/ Spar 2.488 6 GHz 100.000000 MHz Ref Lvi Offset 14.65 dB Ref Level 20.00 dBm Scale/Div 10 dB -43.90 d Swept Span Zero Span Full Span Start Freq 2.433500000 GHg . itop Fred 2 533500000 GH AUTO TUNE Span 100.0 MHz 60 ms (1001 pts) CF Step Auto Man Function Width 60.0 CH Freq Offset 0 Hz 2.483 5 GHz 2.488 6 GHz -44.93 dBn -43.90 dBn Local X Axis Scale Sale 1 5 C 1 ? Nov 16, 2023 X .:: ¥

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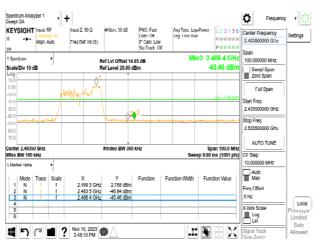
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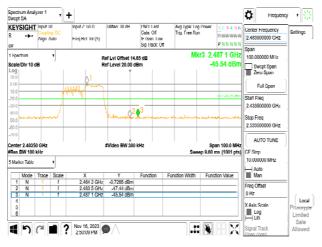
Report No.: TERF2310002626ER Page: 98 of 261



802.11ax_20MHz_WLAN2_2462MHz_RU52_40



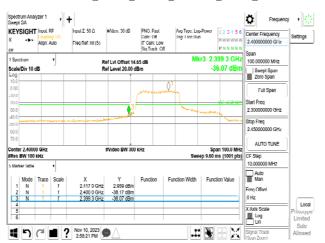
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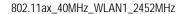


802.11ax_40MHz_WLAN1_2422MHz



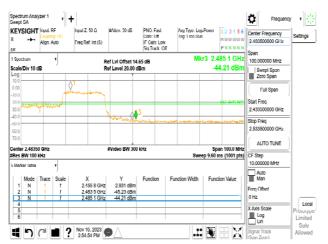
802.11ax_40MHz_WLAN1_2422MHz_RU242_61







802.11ax_40MHz_WLAN1_2452MHz_RU242_62



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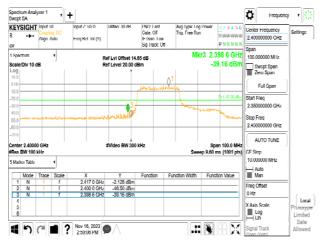
Report No.: TERF2310002626ER Page: 99 of 261



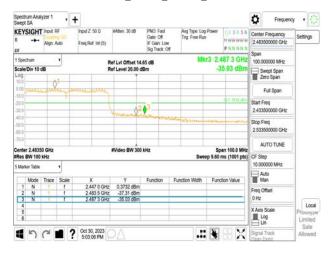
802.11ax_40MHz_WLAN2_2422MHz

Spectr	um Anal SA	yzer 1	•	+						C Freque	ncy •
REY	SIGHT	Algn A			nput Z. 50 Ω Freq Ref. Int (S)	#Atten: 30 dB	PNO Fast Gate: Off IF Gain: Low	Avg Type: Lo Trig: Free Ru	MWWWW	2.400000000 GHz	Settings
tor 1 Spectrum 🔹			-		Sig Track: Off		M	P NN NN IT3 2.399 8 GH	Span		
Scale/Div 10 dB		_			ef Level 20.00 d	Bm		-33.48 dBr	Swept Span		
10.0 0.00 10.0							augure	La prese	cutting	Full Span	
20.0						2			41.00 a	Start Preq	
40.0 50.0	ولغيرب	-	and the	- al	and a birt	and provide				Stop Freq 2.45000000 GHz	
70.0						#Video BW 300				AUTO TUNE	1
#Res BW 100 kHz Sweep 9.60 ms (1001 pts)									-		
5 Marker Table • • • • • • • • • • • • • • • • • • •		ie X		¥	Function	Function Width	Function Value	Auto	-		
1 2 3	N N N	1	1		2.417 0 GHz 2.400 0 GHz 2.399 8 GHz	0.3457 dBm -39.26 dBm -33.48 dBm	ranadali	r unsaunt Yinder	r unoull value	Freq Offset 0 Hz	-
4 5 6										X Axis Scale	Provory
4	5	C		?	Oct 30, 2023 4:52:42 PM	ΔC		.:			Sale Allowe

802.11ax_40MHz_WLAN2_2422MHz_RU242_61



802.11ax_40MHz_WLAN2_2452MHz



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802.11ax_40MHz_WLAN2_2452MHz_RU242_62

YSIGHT	Input. RF Couping Align: Aut	DC 0	Inpul Z. S Freq Ref		#Allen, 30 dB	Cate IF G	: Fast : Off sin: Low Track: OIT	Avg Type. Ing: I ree	Log-Power Run	1 2 3 4 5 6 MWWWWW PNNNNN	Center Fre 2.483500 Span	quency 000 GI Iz	Setting
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	-				1						Zero		
			-	Ŷ							[Tul	Span	
4,14,444	yararay		_			63	-			011-7177 dtm	Start Freq 2.433500	000 GHz	
_	-	-	-		MANNEN	1		a the second and		sie ann	Stop Freq 2.533500	000 GHz	
er 2.4835					#Video BW 3	00.644			57	an 100.0 MHz	AUTO	TUNE	
BW 100 I					F1000 P11 3	OV KINE		s		ms (1001 pts)	CF Step		1
rker lable	,										10.00000	0 MHz	
Mode	Trace	, Scale	Х	8 3 GHz	Y 2.468 dB	Func	tion	Function Wid	th Fun	tion Value	Auto Man		
2 N		r		8 3 GHZ 3 5 GHZ	-46.02 dBi						Freq Offse	1	
3 N	1	f	2.48	50 GHz	-45.89 dB	m					0 Hz		16
5	_	+		_			_				X Axis Sca	ie	Prow

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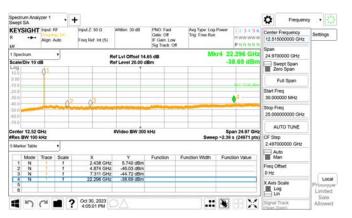
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Report No.: TERF2310002626ER Page: 100 of 261

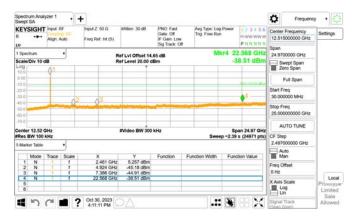
802.11b_20MHz_WLAN2_2412MHz







802.11b_20MHz_WLAN2_2462MHz



4.429 dBm Freq Offset 0 Hz 7.311 GHz -48.40 dBm -38.71 dBm X Axis So C C 10, 2023 X :1 .:: 🖌

Ref Lvi Offset 14.65 dB Ref Level 20.00 dBm

SGS

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nout Z: 50 0

inc Ref. Int (S)

Ref Lvi Offset 14.65 dB Ref Level 20.00 dBm

4.163 dBm

-46.12 dBn -34.27 dBn

236 GH2

C C 2 2023

· +

47:50.0

Freq Ref. Int (S)

2.438 GHz 4.874 GHz

Spectrum Analyzer 1 Swept SA

Scale/Div 10 d

inter 12.52 GHz es BW 100 kHz

Spectrum Analyzer 1 Swept SA

KEYSIGHT Input RF

Scale/Div 10 dB

nter 12.52 GHz es BW 100 kHz

4

LNI

KEYSIGHT Input RF

802.11b_20MHz_WLAN1_2462MHz

Function Width

802.11b_20MHz_WLAN1_2412MHz

Avg Type: Log Triz: Free Rut

Function Width

802.11b_20MHz_WLAN1_2437MHz

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Cente 12.51

Swept Span Zero Span

Full Span

00 GH

art Freq

AUTO TUNE

Stop Freq 25.00000

CF Step

Auto Man

Freq Offset 0 Hz

X Axis So Log

ø

Center 12.51

Swept Span Zero Span

Start Freq 30.000000

Stop Freq

CF Step

Auto Man

25.00 00 GH

Full Span

AUTO TUNE

-34.27 d

Span 24.97 G ~2.39 s (24971

Function Valu

EX

-38.71 d

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span 24.97 ~2.39 s (24971

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Avg Type: Log Trig: Free Run

Frequency

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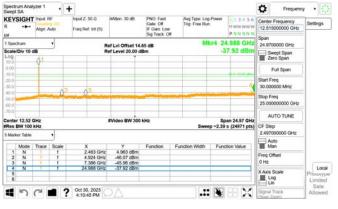
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Loca

Frequency



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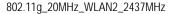
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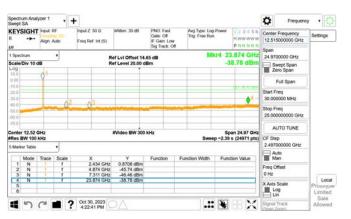
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Report No.: TERF2310002626ER Page: 101 of 261

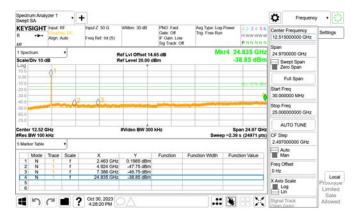
802.11g_20MHz_WLAN2_2412MHz







802.11q_20MHz_WLAN2_2462MHz



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802.11g_20MHz_WLAN1_2412MHz



802.11g_20MHz_WLAN1_2437MHz



802.11q_20MHz_WLAN1_2462MHz



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Report No.: TERF2310002626ER Page: 102 of 261

802.11n_20MHz_WLAN2_2412MHz



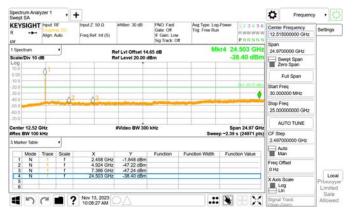
802.11n_20MHz_WLAN1_2412MHz

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802.11n_20MHz_WLAN1_2437MHz

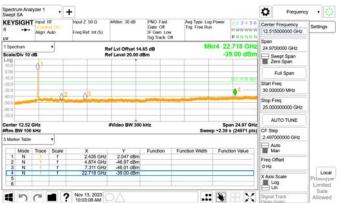


802.11n_20MHz_WLAN1_2462MHz



ø Frequency . ::ectrum Analyzer 1 ept SA KEYSIGHT Input RF nput Z: 50 Ω PNO Fast Gate: Off IE Gain: Lo Avg Type Log Trig Free Run Center 12.515 eg Ref. Int (S) 2.397 Ref Lvi Offset 14.65 dB Ref Level 20.00 dBm 24.9700000 GHz Div 10 -37.26 d Swept Span Zero Span Full Span Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz AUTO TUNE nter 12.52 GH Span 24.97 GHz CF Step Auto Man X Y 2.415 GHz -0.3730 dBm 4.824 GHz -45.06 dBm 7.236 GHz -46.13 dBm 2.397 GHz -37.26 dBm Freq Offse 0 Hz X Axis Sca Log Nov 13, 2023 9:58:16 AM X 1 ... 🖎

802.11n_20MHz_WLAN2_2437MHz



802.11n_20MHz_WLAN2_2462MHz



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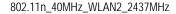
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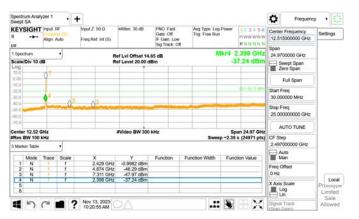
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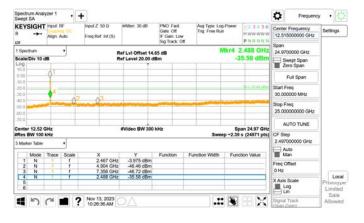
802.11n_40MHz_WLAN2_2422MHz







802.11n_40MHz_WLAN2_2452MHz



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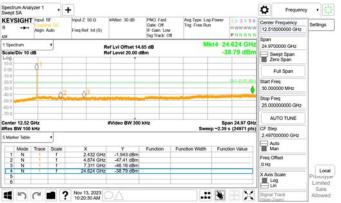
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802.11n_40MHz_WLAN1_2422MHz



802.11n_40MHz_WLAN1_2437MHz



802.11n_40MHz_WLAN1_2452MHz

pectr	um Analy SA	zer 1	•	+					¢	Frequency	•	
EY	SIGHT	Input R		Input Z 50 Ω Freq Ref. Int (S)	#Atten: 30 dB	PNO Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type Log Trig: Free Run			Frequency 5000000 GHz	Setti	
Spec	trum :	-	,		Ref Lvi Offset 14			r4 24.090 GHz	Span			
ogr	Div 10 d	B	-		Ref Level 20.00 d	1Bm	_	-38.71 dBm		wept Span ero Span		
00		01								Full Span		
0.0								4	Start F 30.00	ireq 0000 MHz		
20	-	1	- 0	0					Stop F 25.00	req 0000000 GHz		
0.0	12.52 0	H7			EVideo BW 300	kHr		Span 24.97 GHz	A	UTO TUNE		
Sector Sector Span 2x,97 OFE												
	Mode	Trace	Scale	x	Y	Function	Function Width	Function Value		uto Ian		
1 2 3	N N	1	1	2.457 GH 4.904 GH 7.356 GH	z -46.87 dBm				Freq C 0 Hz	Miset	12	
4 5 6	N	1	1	24.090 GH	z -38.71 dBm					og	Pro	nited
	5	2		Nov 13, 2023 10:26:11 AM	QΔ		.::	XHX	Signal	Track		ale

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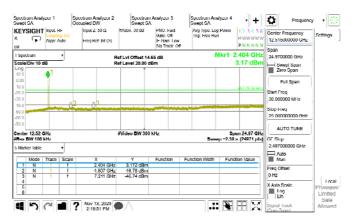
Report No.: TERF2310002626ER Page: 104 of 261

802.11ax_20MHz_WLAN1_2412MHz

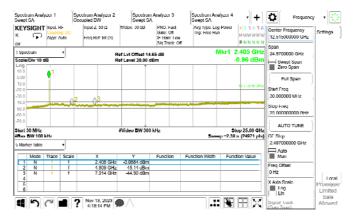
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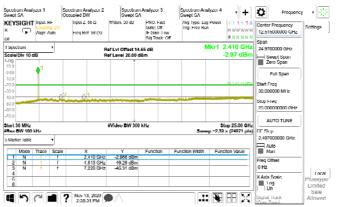
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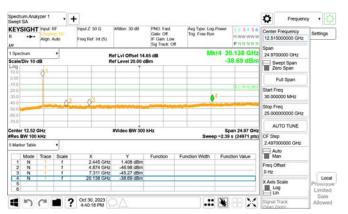
802.11ax_20MHz_WLAN1_2412MHz_RU52_37



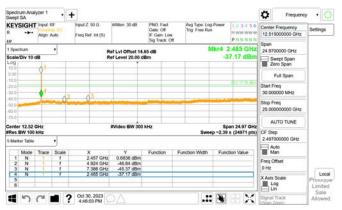
802.11ax_20MHz_WLAN1_2412MHz_RU106_53



802.11ax_20MHz_WLAN1_2437MHz



802.11ax_20MHz_WLAN1_2462MHz



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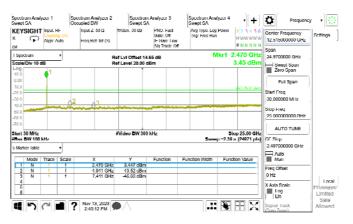
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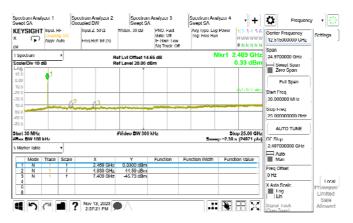
Report No.: TERF2310002626ER Page: 105 of 261



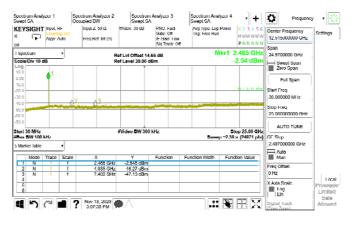
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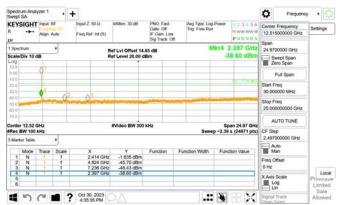
802.11ax_20MHz_WLAN1_2462MHz_RU52_40



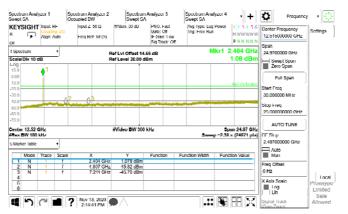
802.11ax_20MHz_WLAN1_2462MHz_RU106_54



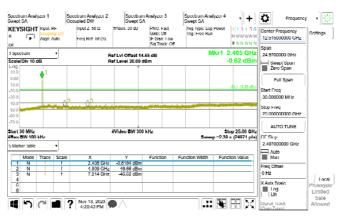
802.11ax_20MHz_WLAN2_2412MHz



802.11ax_20MHz_WLAN2_2412MHz_RU26_0



802.11ax_20MHz_WLAN2_2412MHz_RU52_37



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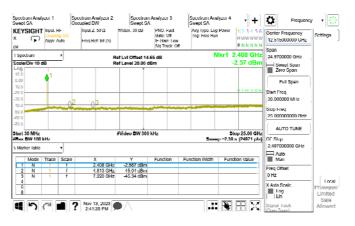
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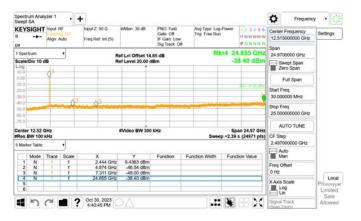
Report No.: TERF2310002626ER Page: 106 of 261



802.11ax_20MHz_WLAN2_2412MHz_RU106_53



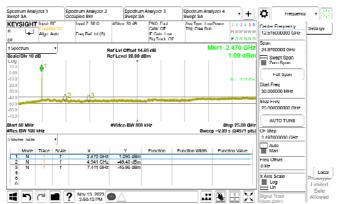
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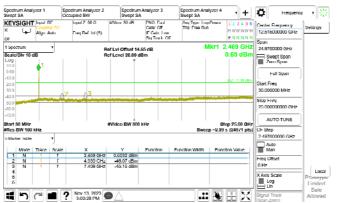
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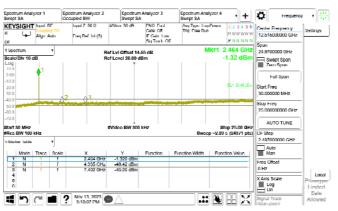
802.11ax_20MHz_WLAN2_2462MHz_RU26_8



802.11ax_20MHz_WLAN2_2462MHz_RU52_40



802.11ax_20MHz_WLAN2_2462MHz_RU106_54



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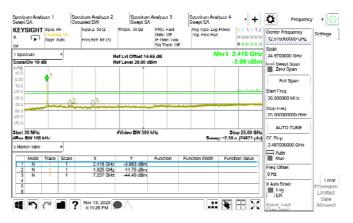
Report No.: TERF2310002626ER Page: 107 of 261



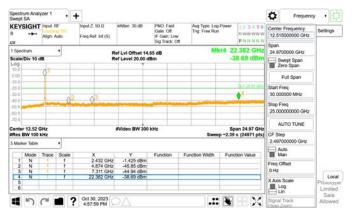
802.11ax_40MHz_WLAN1_2422MHz



802.11ax_40MHz_WLAN1_2422MHz_RU242_61

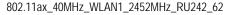


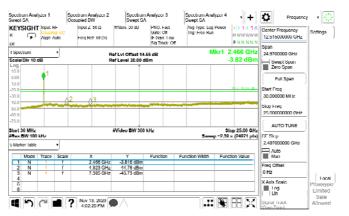
802.11ax_40MHz_WLAN1_2437MHz



802.11ax_40MHz_WLAN1_2452MHz







802.11ax_40MHz_WLAN2_2422MHz



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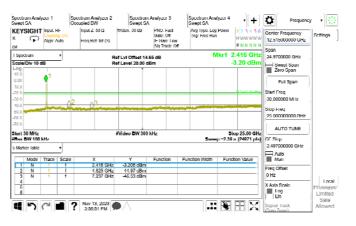
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Report No.: TERF2310002626ER Page: 108 of 261



802.11ax_40MHz_WLAN2_2422MHz_RU242_61



ectrum Analyzer 1 ept SA ø . Frequency • + Inout Z 50 O PNO Fast Gate Off IF Gain Le Avg Type Log Trig Free Bu Center I 12.515 ttings Freq Ref. Int (S) PNNNN Span 24.9700000 GHz Ref Lvi Offset 14.65 dB Ref Level 20.00 dBm Scale/Div 10 d -37.90 dE Swept Span Full Span Start Freq 30.000000 ♦4 Stop Fred 25.00000000 GH AUTO TUNE Span 24.97 .39 s (24971 nter 12.52 GHz es BW 100 kHz CF Step Auto Man Function Width Trace -0.3481 dB -47.21 dB -47.01 dB Freq Offset 0 Hz Local X Axis Sca Limite Sale C C 10, 2023 HX .:: 🖎 .

802.11ax_40MHz_WLAN2_2437MHz

802.11ax_40MHz_WLAN2_2452MHz



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802.11ax_40MHz_WLAN2_2452MHz_RU242_62

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# 11 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

## 11.1 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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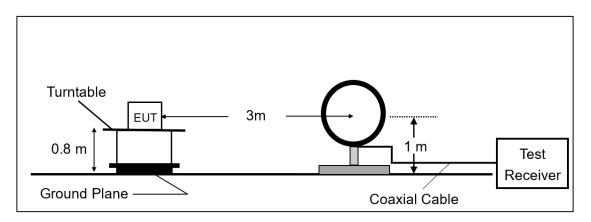
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Report No.: TERF2310002626ER Page: 110 of 261

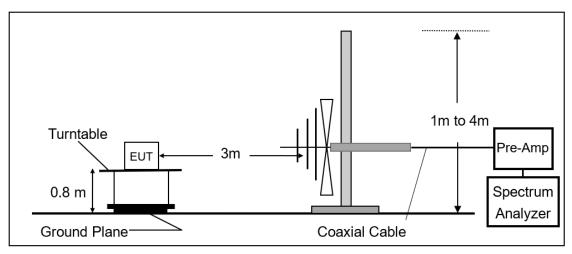


#### 11.2 Test Setup

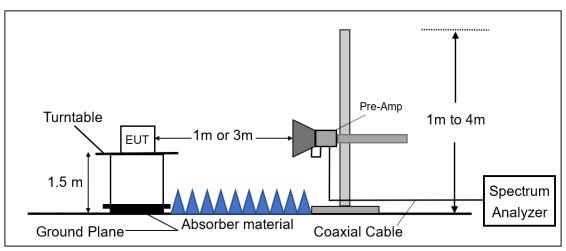
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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### 11.3 Measurement Procedure

- 1. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
- 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.
- 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.</li>
- 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.

## 11.4 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) AG = Amplifier Gain

RA = Reading Amplitude

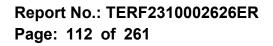
AF = Antenna Factor

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

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Actual FS(dB $\mu$ V/m) = SPA. Reading level(dB $\mu$ V) + Factor(dB) Factor(dB) = Antenna Factor(dB $\mu$ V/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

## 11.5 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.

### 11.6 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

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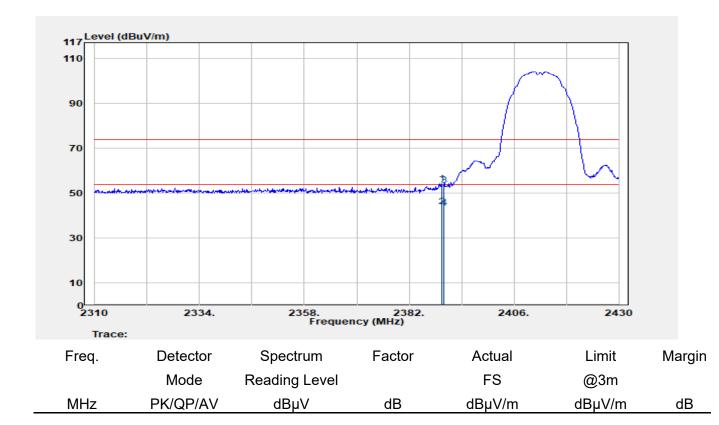
Report No.: TERF2310002626ER Page: 113 of 261



#### **Radiated Band Edge Measurement Result** 11.6.1

Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11b
Test Frequency	:2412 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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Peak

Average

Peak

Average

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-4.64

-4.64

-4.64

-4.64

54.19

44.13

53.49

43.29

74.00

54.00

74.00

54.00

-19.81

-9.87

-20.51

-10.71

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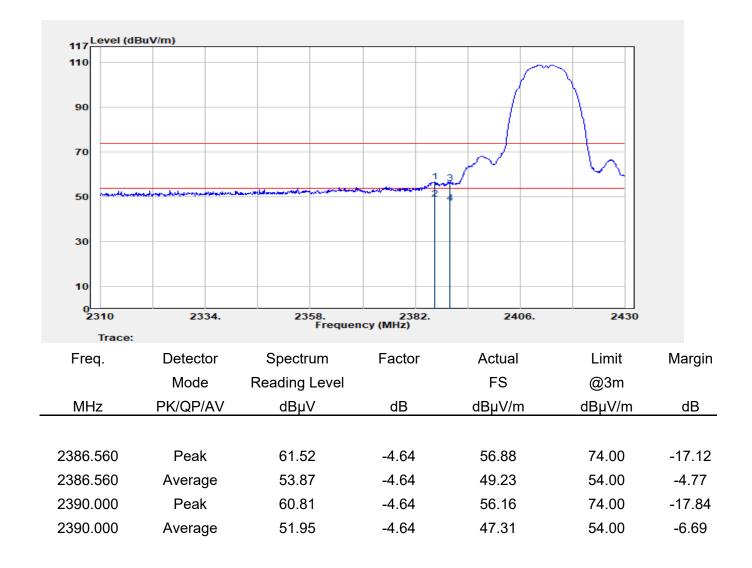
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Report No.: TERF2310002626ER Page: 114 of 261



Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11b
Test Frequency	:2412 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

Test Site :SAC 3 **Test Date** :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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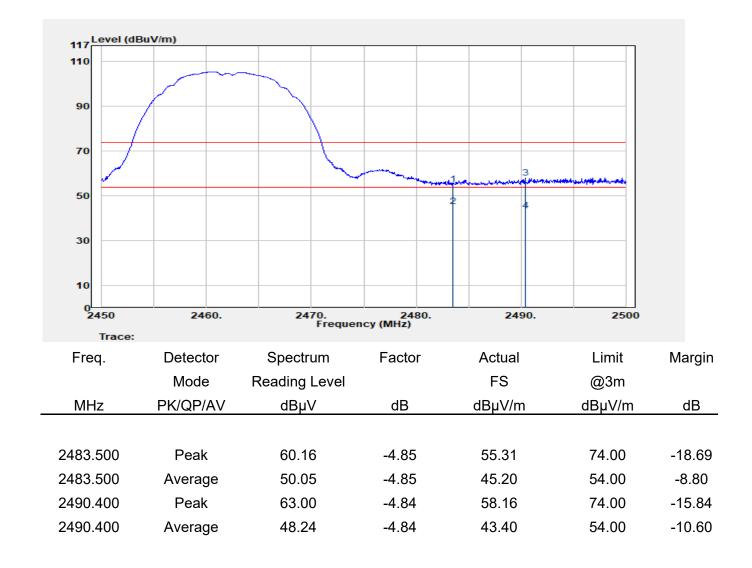
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Report No.: TERF2310002626ER Page: 115 of 261



Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11b
Test Frequency	:2462 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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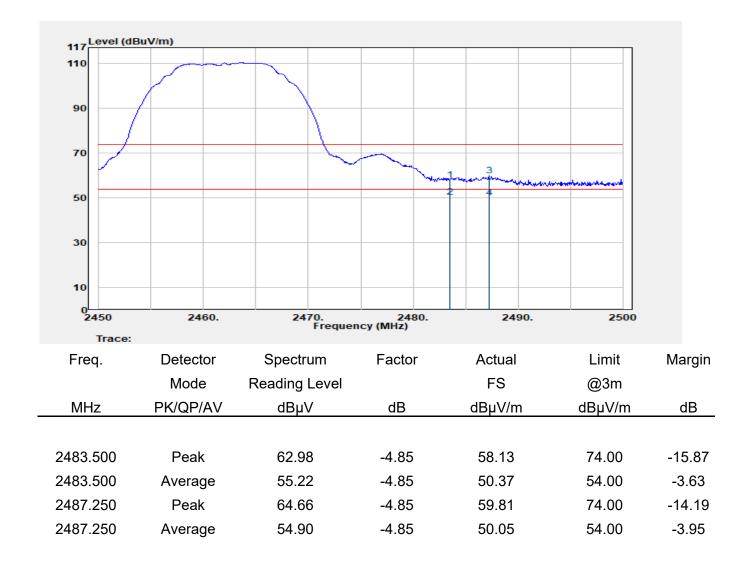
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Report Number : TERF2310002626ER Operation Mode :802.11b Test Frequency :2462 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2412 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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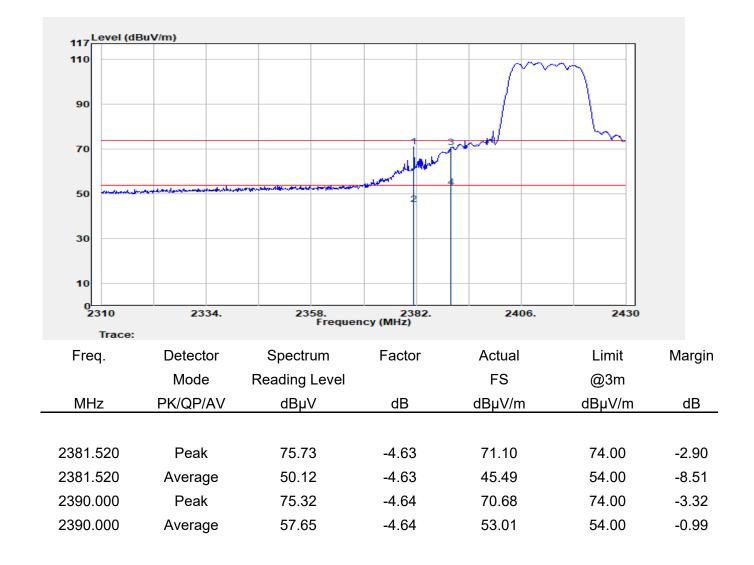
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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2412 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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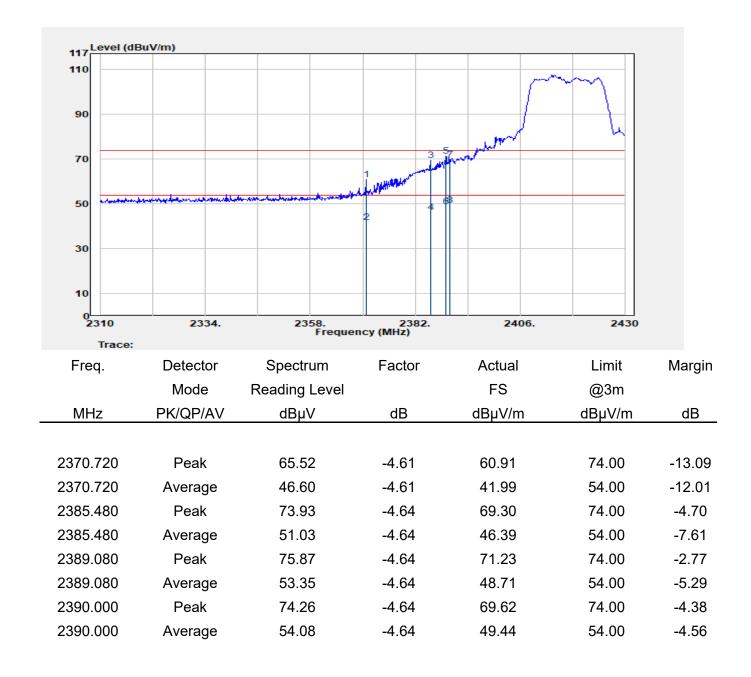
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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2417 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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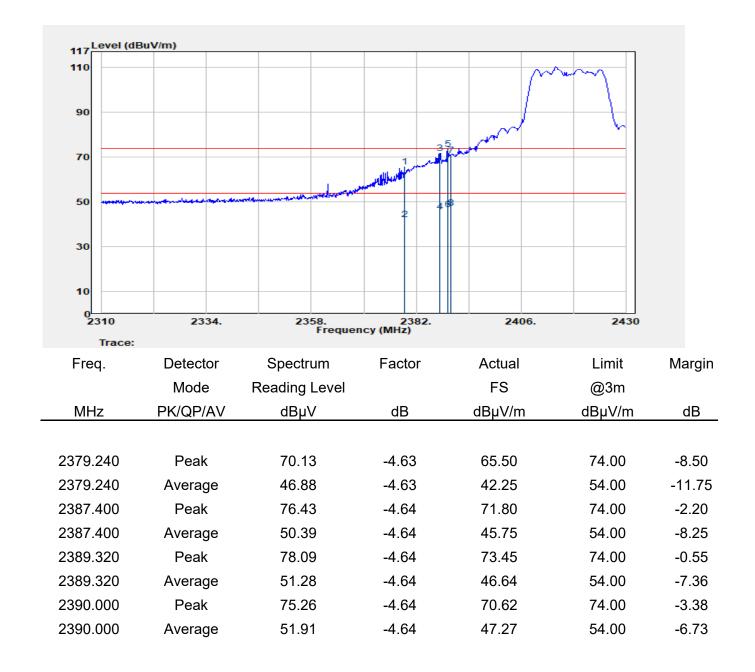
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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2417 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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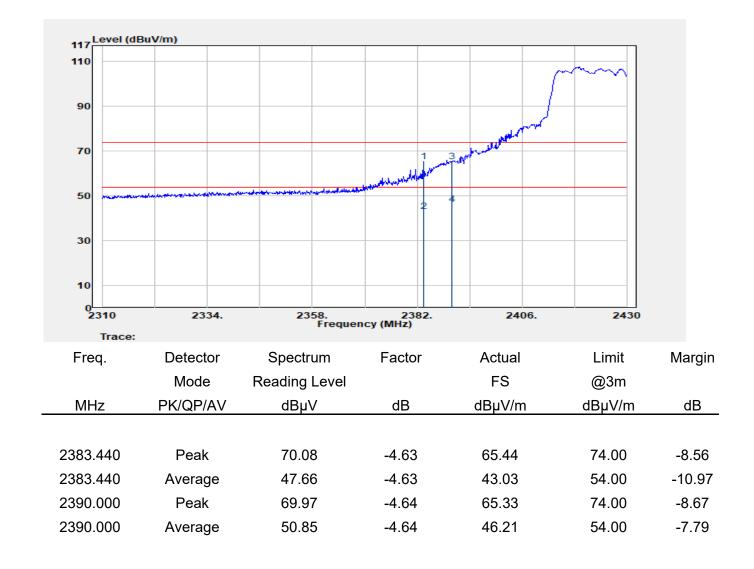
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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2422 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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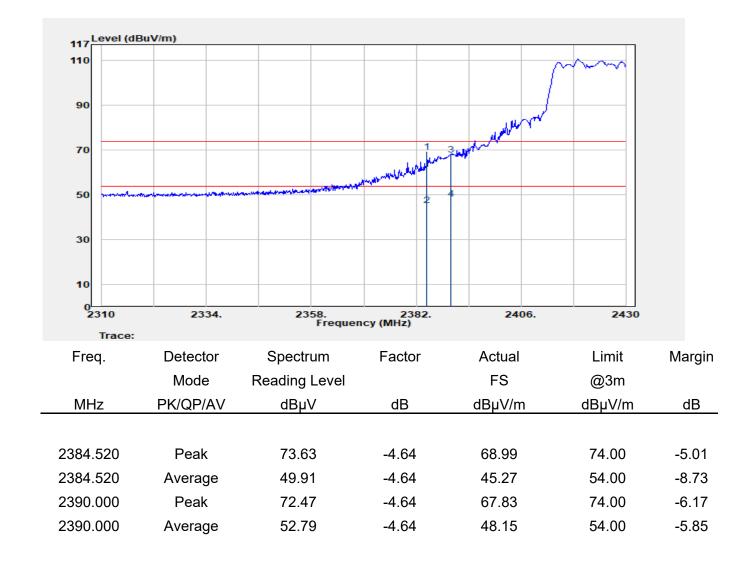
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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2422 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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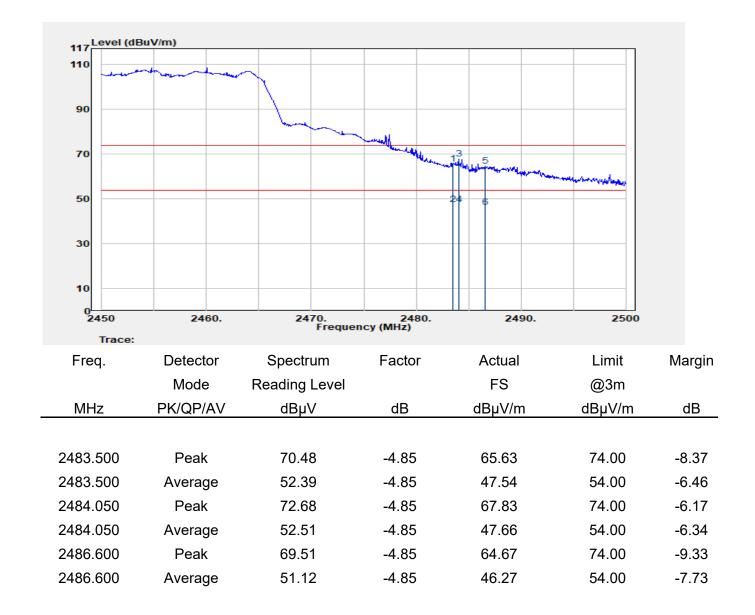
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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2457 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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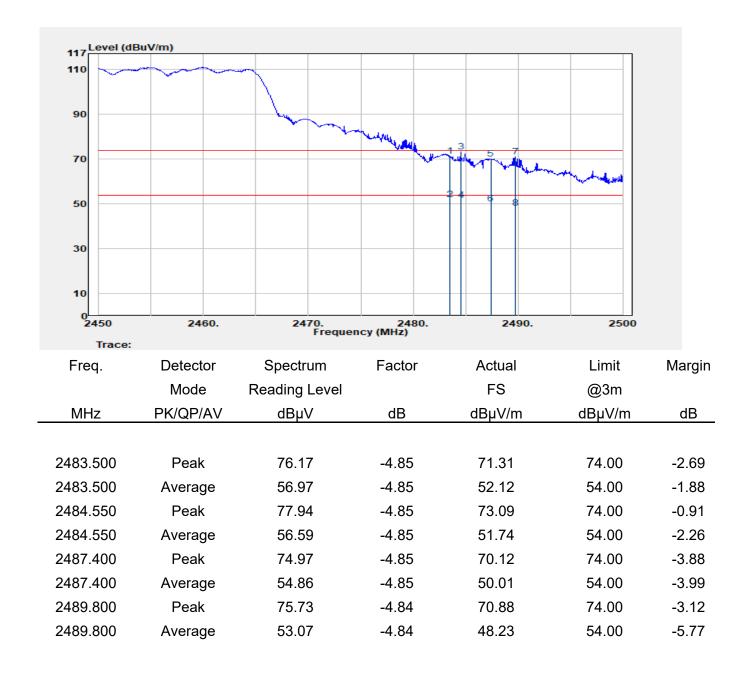
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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2457 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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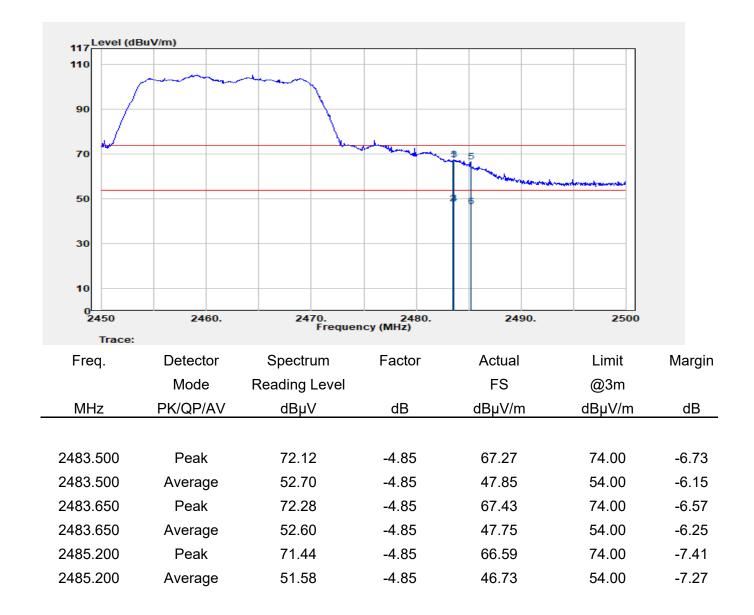
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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2462 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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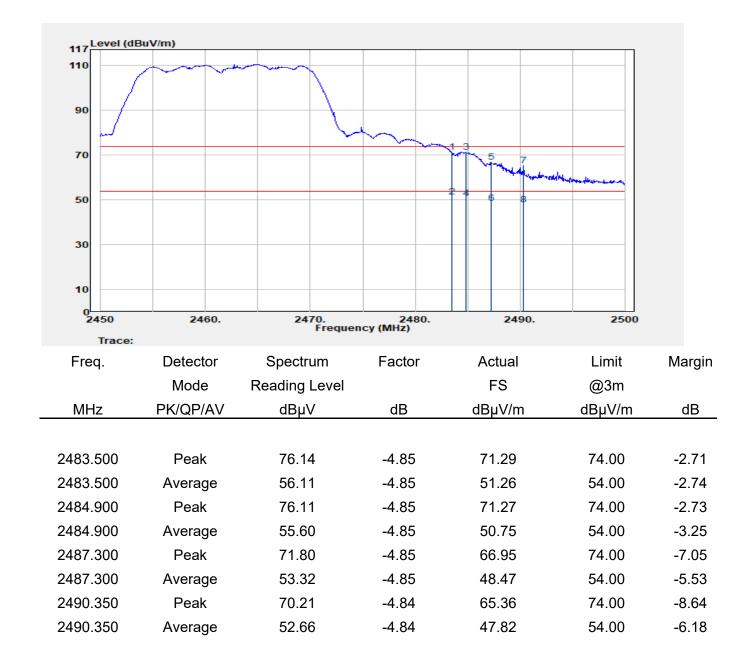
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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2462 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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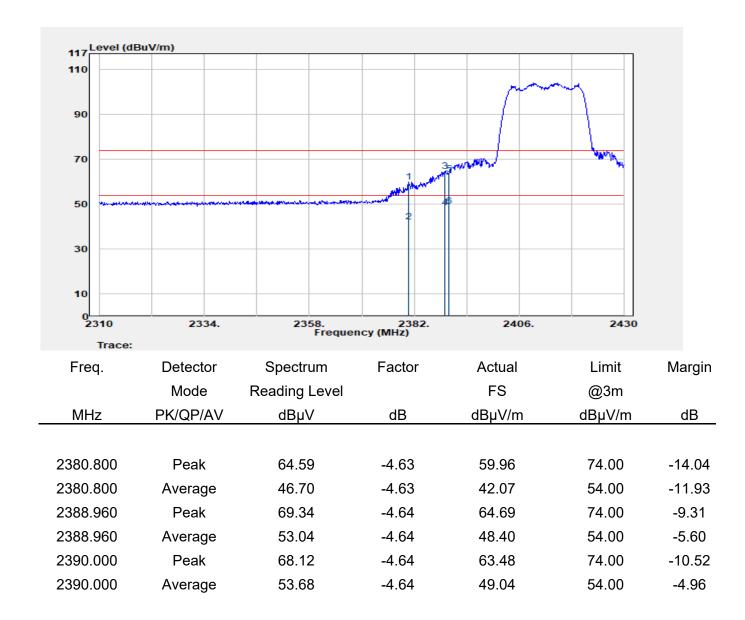
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Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11n20
Test Frequency	:2412 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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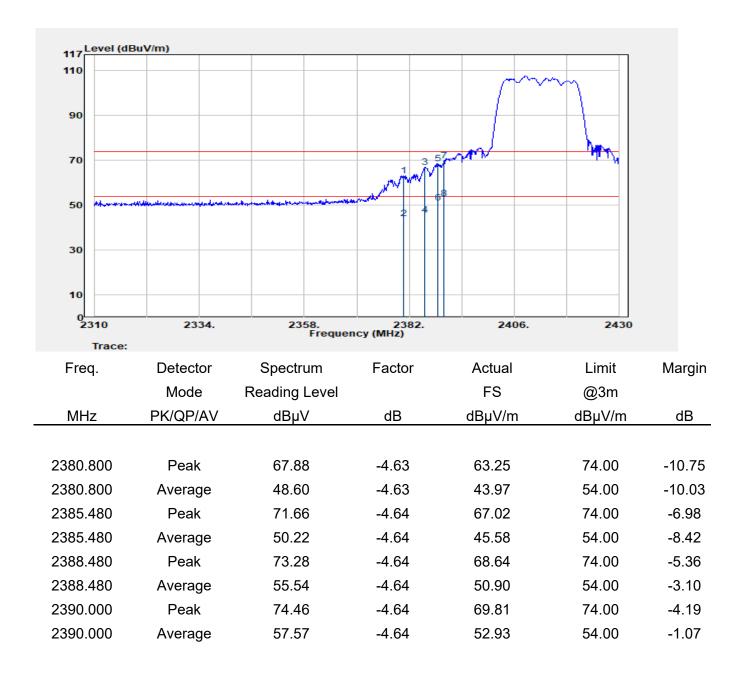
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Report Number : TERF2310002626ER Operation Mode :802.11n20 Test Frequency :2412 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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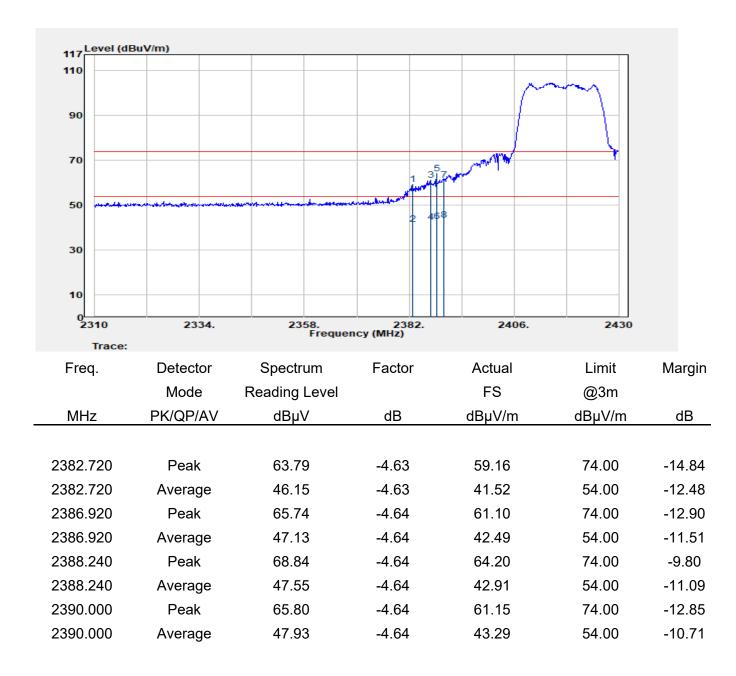
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Report Number : TERF2310002626ER Operation Mode :802.11n20 Test Frequency :2417 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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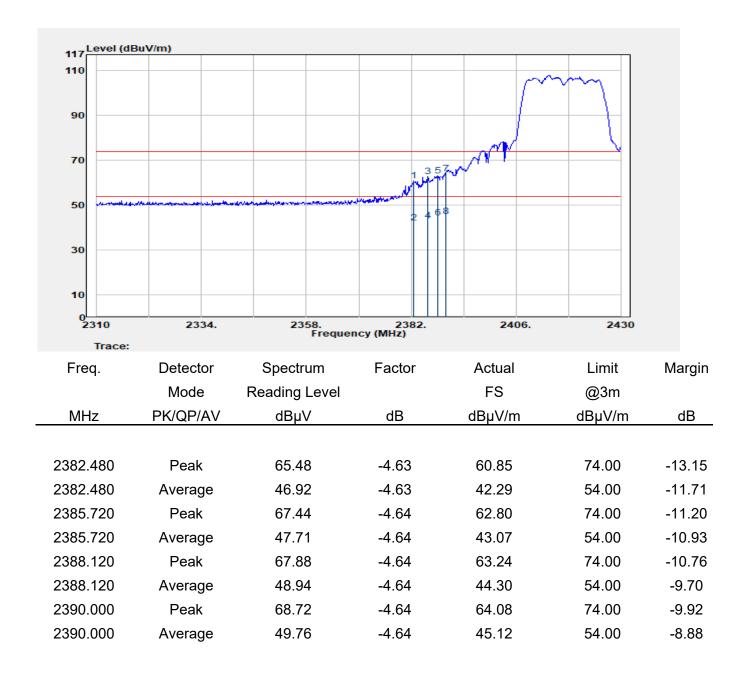
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Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11n20
Test Frequency	:2417 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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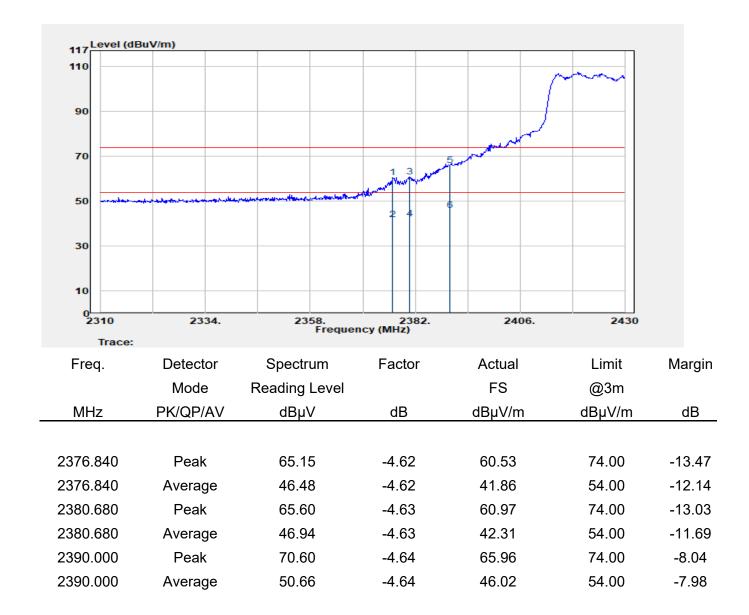
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Report Number : TERF2310002626ER Operation Mode :802.11n20 Test Frequency :2422 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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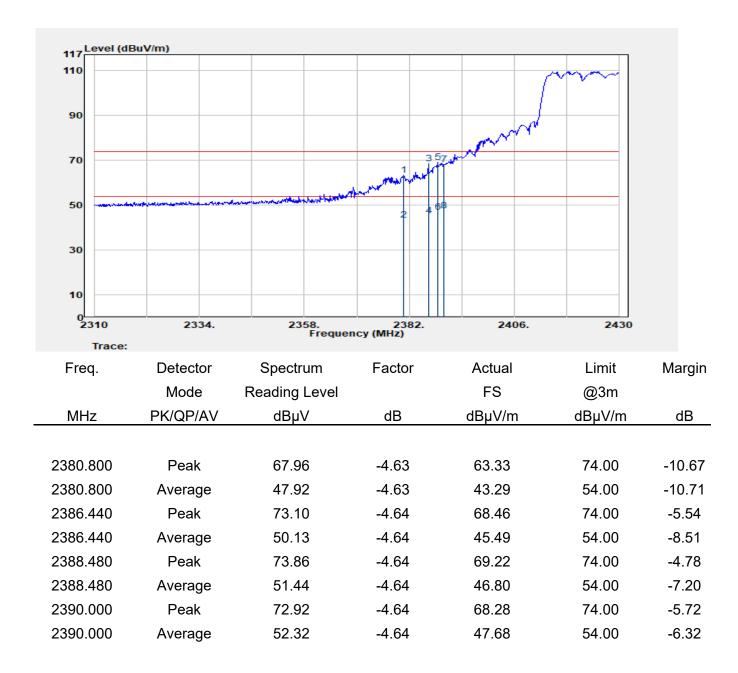
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Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11n20
Test Frequency	:2422 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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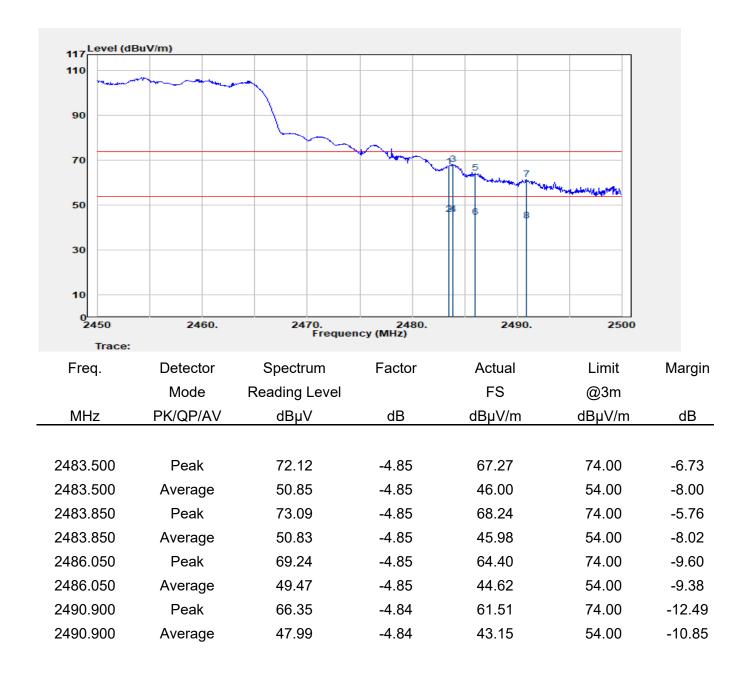
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Report Number : TERF2310002626ER Operation Mode :802.11n20 Test Frequency :2457 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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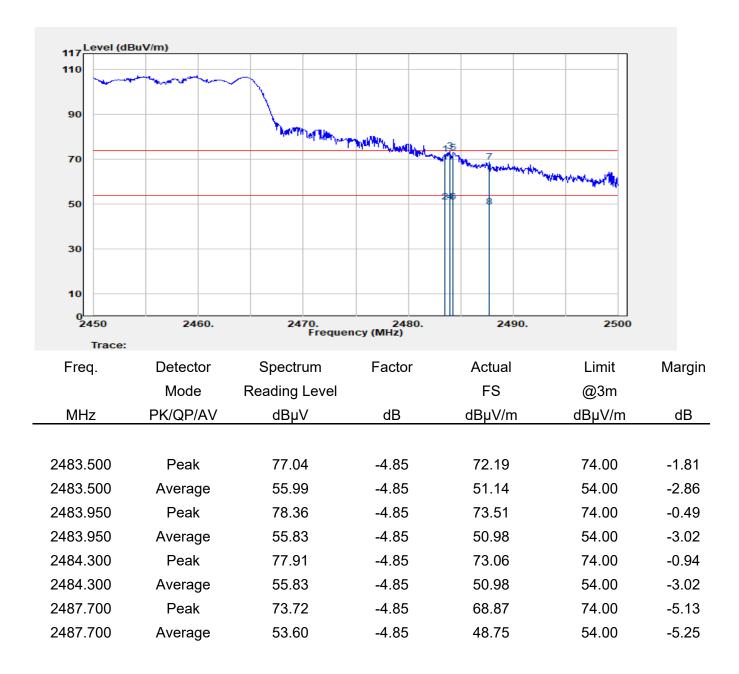
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Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11n20
Test Frequency	:2457 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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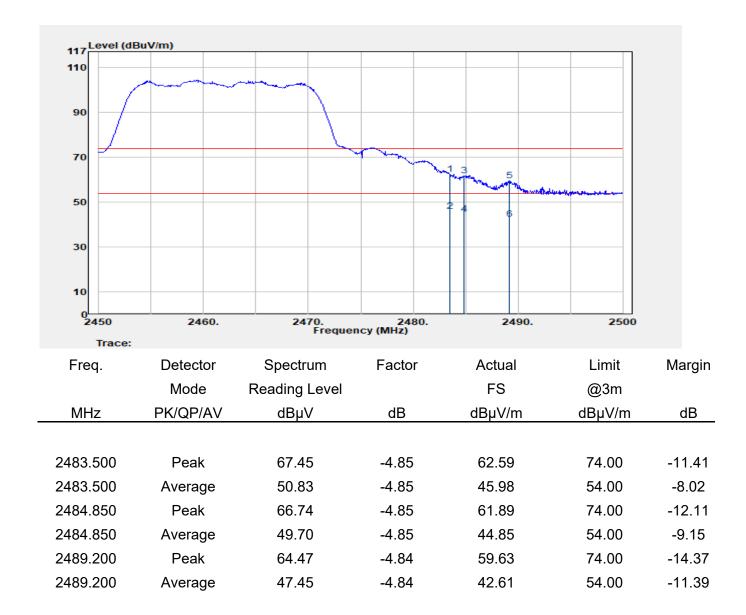
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Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11n20
Test Frequency	:2462 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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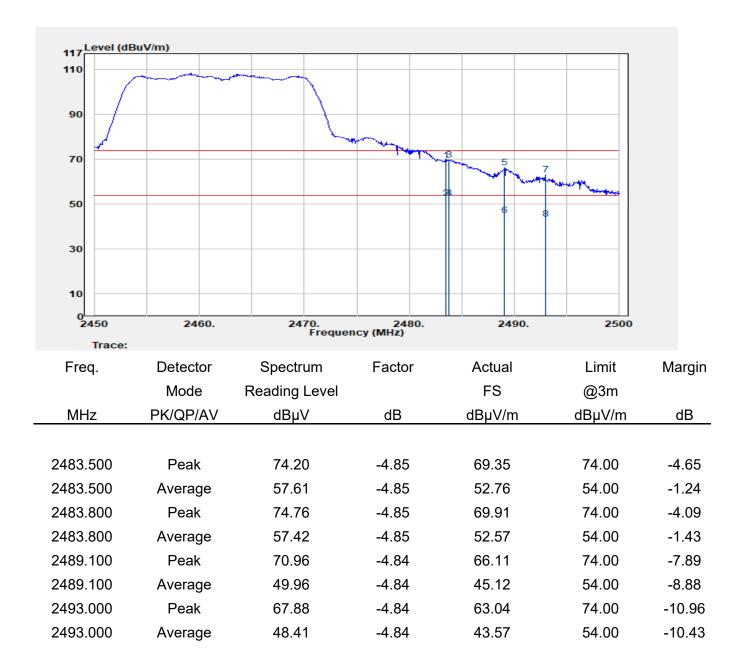
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Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11n20
Test Frequency	:2462 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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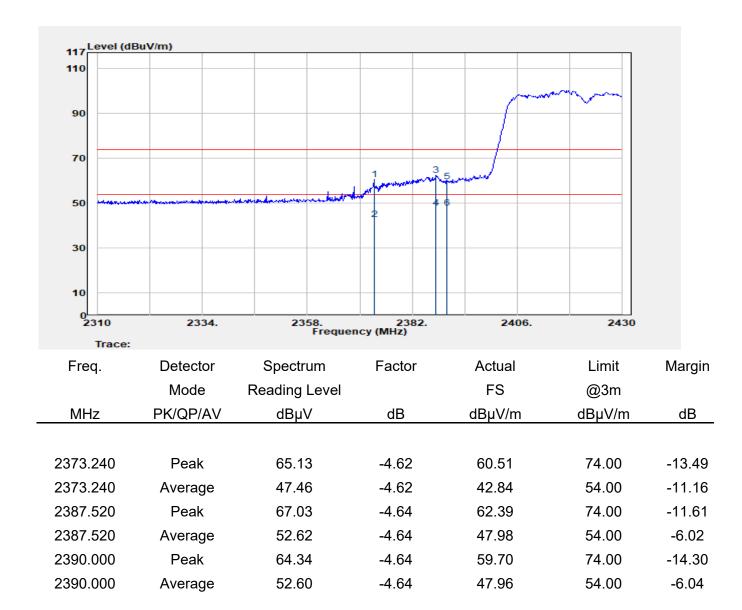
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Report Number : TERF2310002626ER Operation Mode :802.11n40 Test Frequency :2422 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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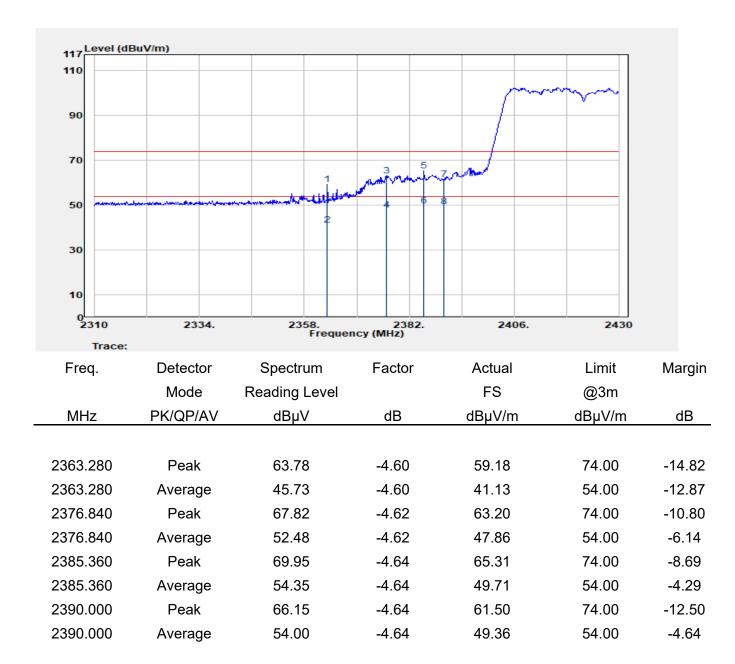
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Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11n40
Test Frequency	:2422 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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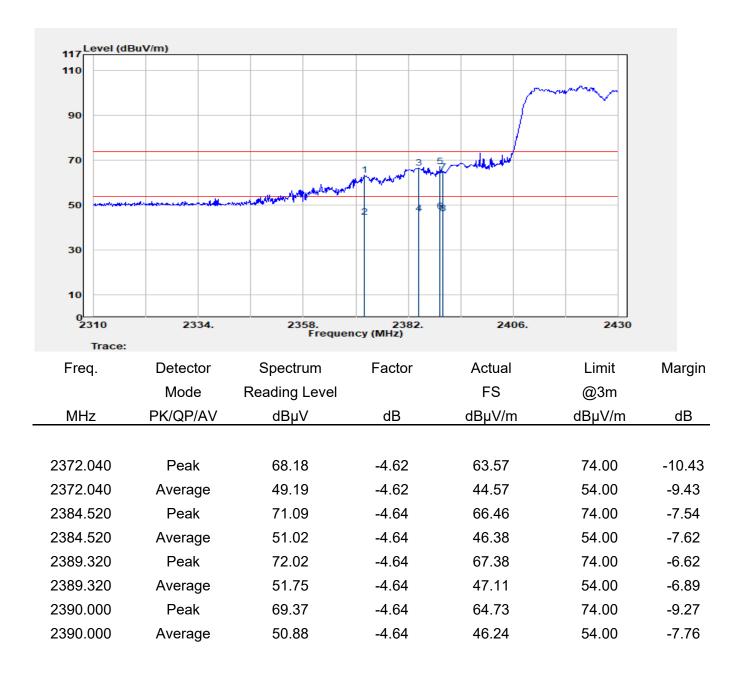
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Report Number : TERF2310002626ER Operation Mode :802.11n40 Test Frequency :2427 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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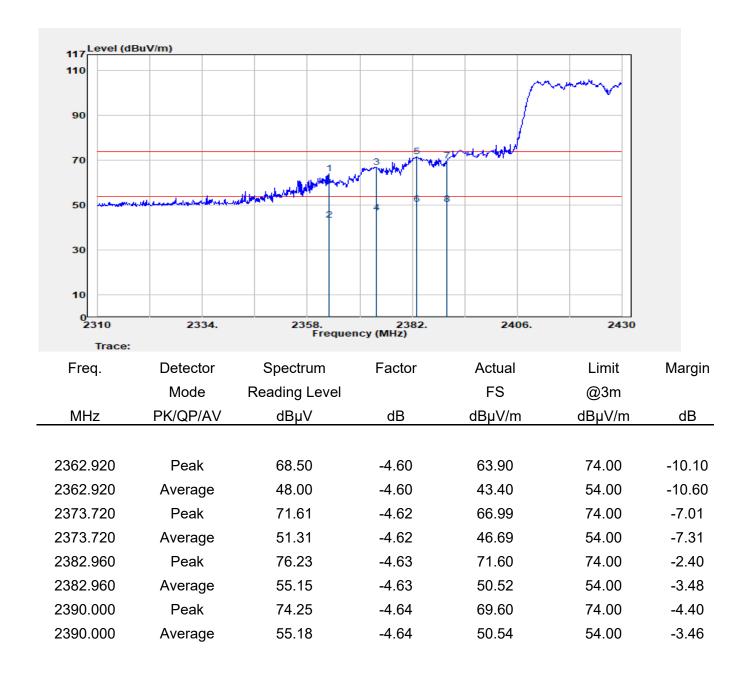
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Report Number : TERF2310002626ER Operation Mode :802.11n40 Test Frequency :2427 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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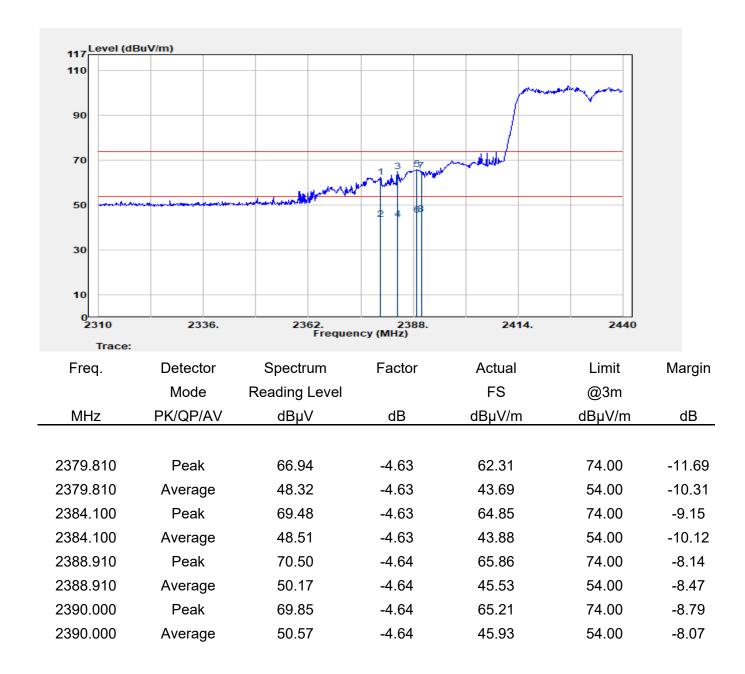
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Report Number : TERF2310002626ER Operation Mode :802.11n40 Test Frequency :2432 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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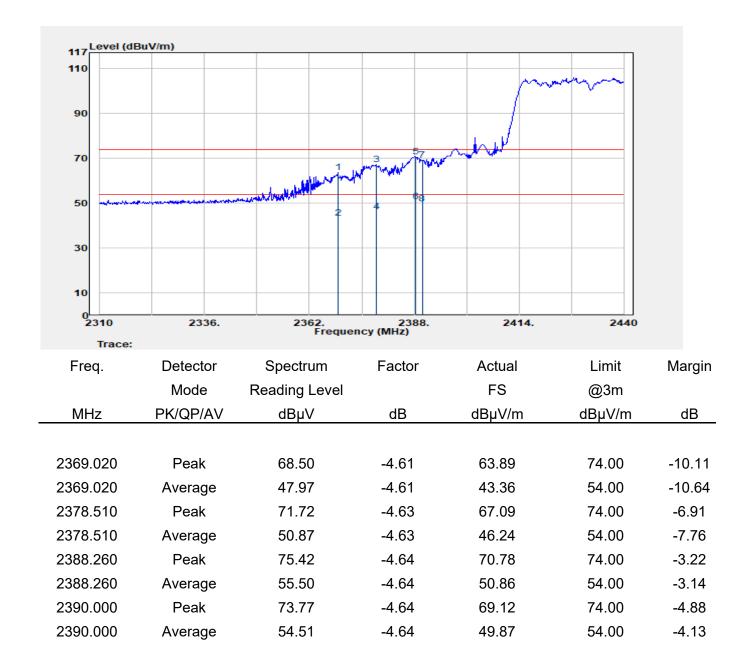
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Report Number : TERF2310002626ER Operation Mode :802.11n40 Test Frequency :2432 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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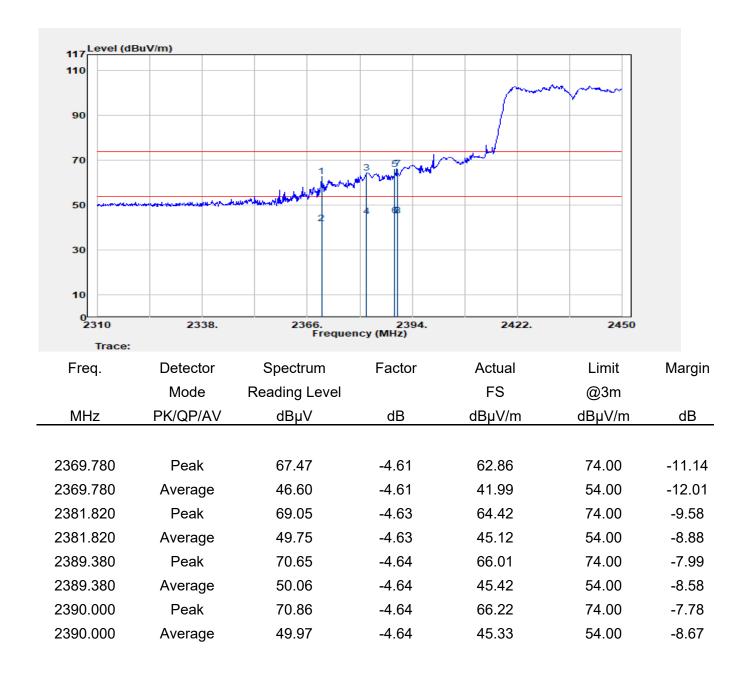
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Report Number : TERF2310002626ER Operation Mode :802.11n40 Test Frequency :2437 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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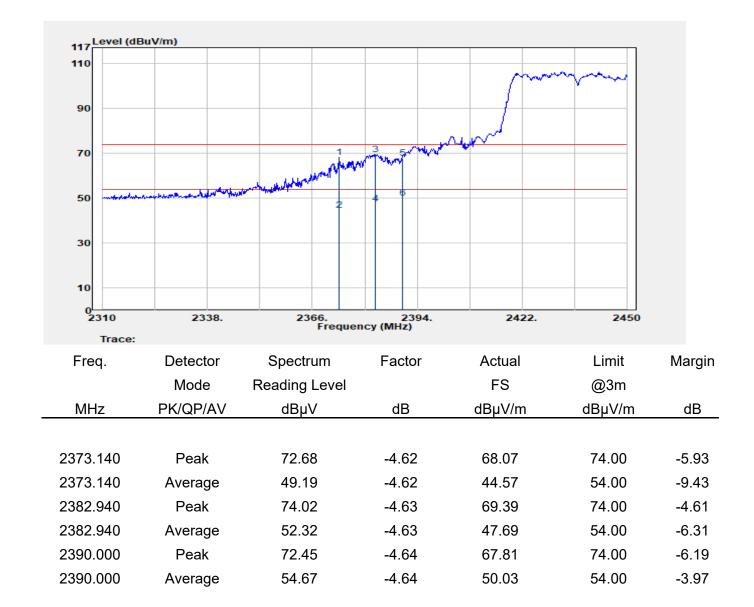
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Report Number : TERF2310002626ER Operation Mode :802.11n40 Test Frequency :2437 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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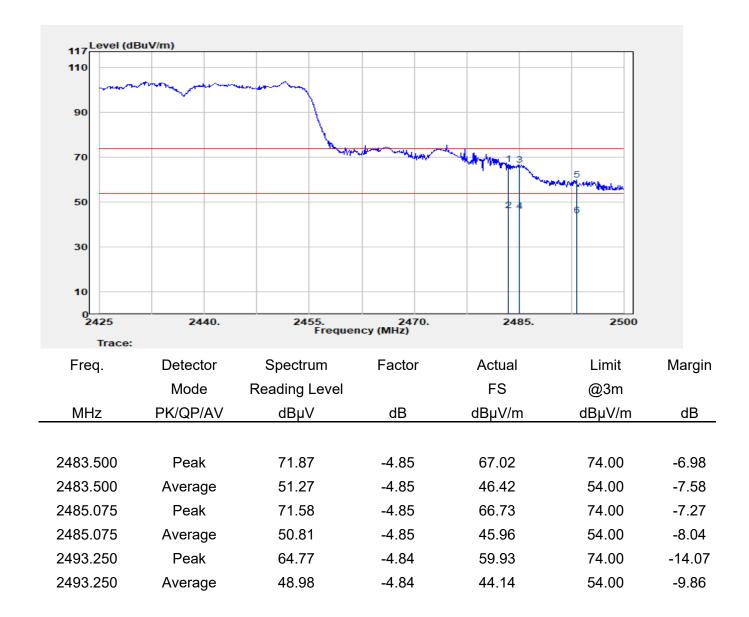
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Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11n40
Test Frequency	:2437 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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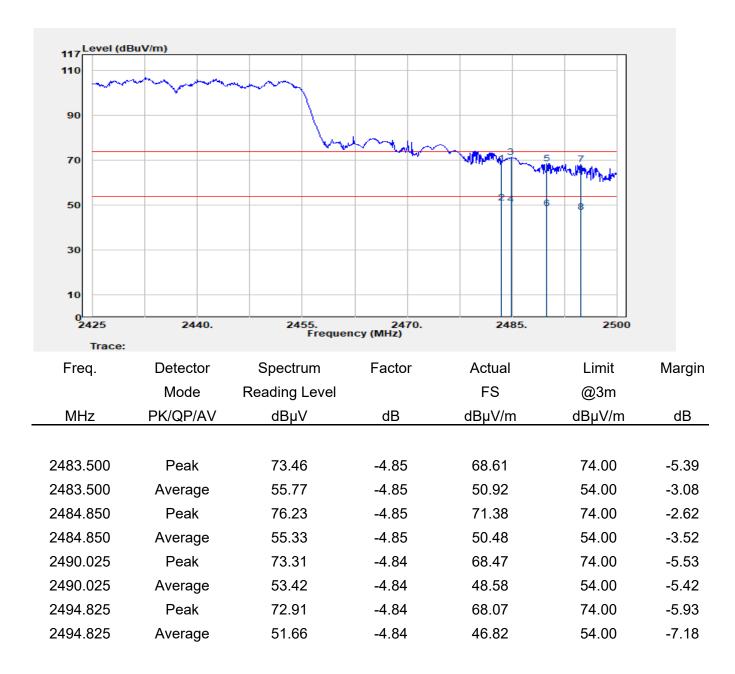
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Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11n40
Test Frequency	:2437 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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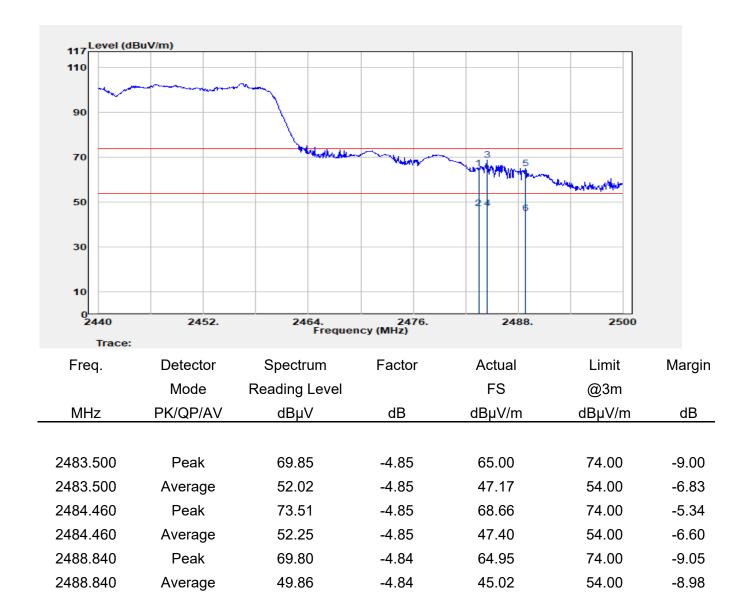
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Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11n40
Test Frequency	:2442 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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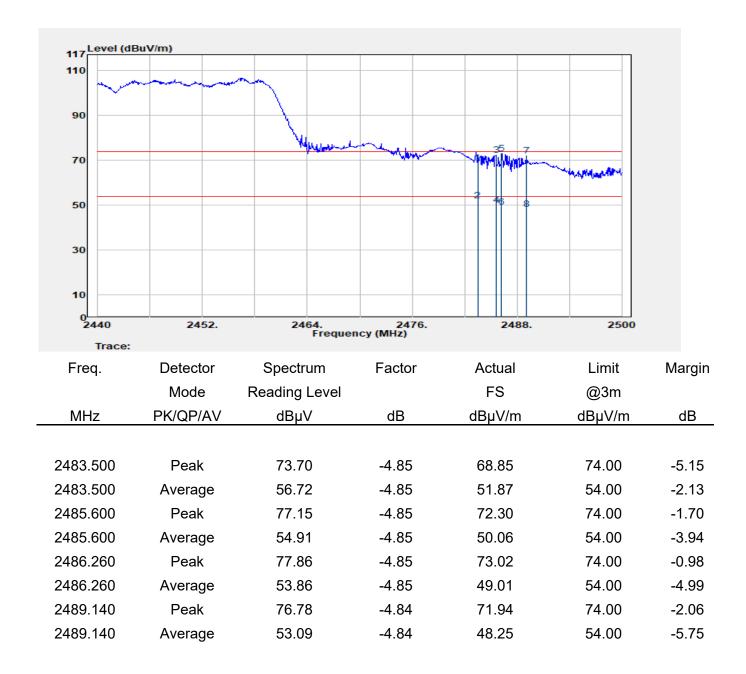
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Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11n40
Test Frequency	:2442 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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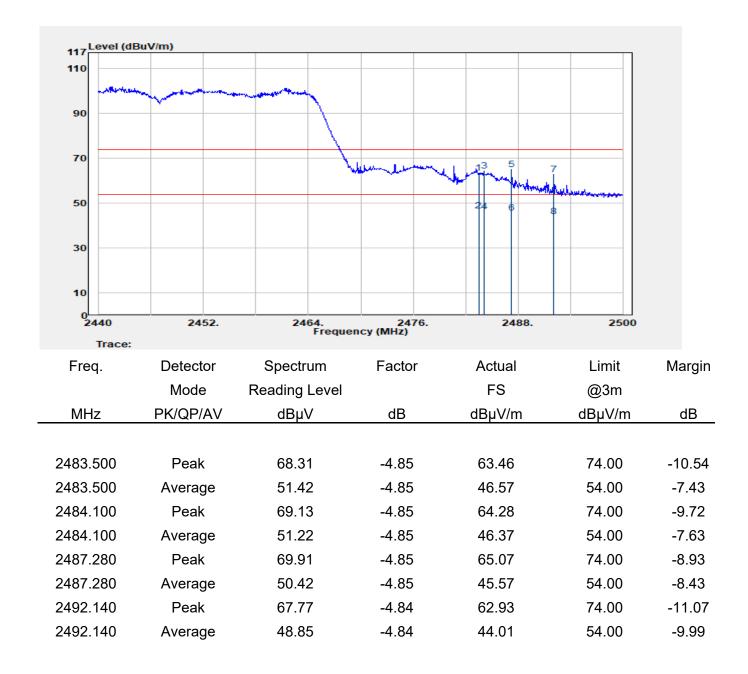
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Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11n40
Test Frequency	:2447 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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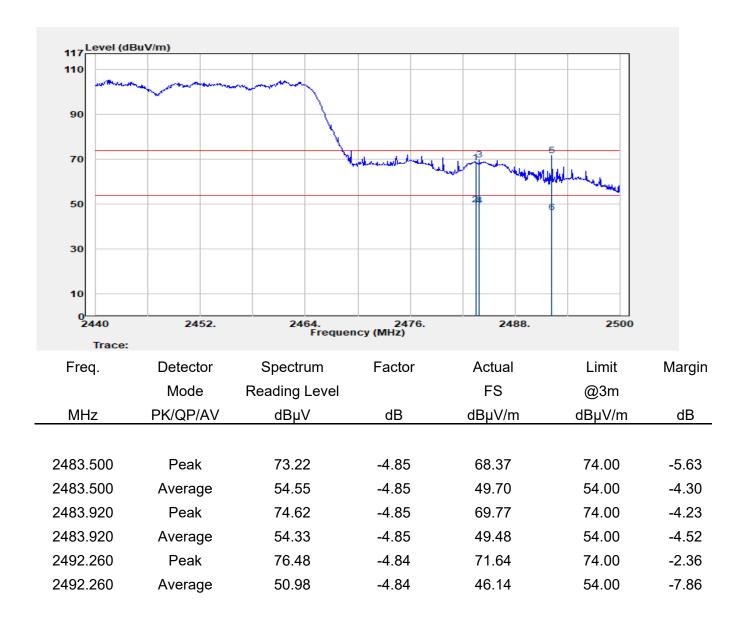
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Report No.: TERF2310002626ER Page: 150 of 261



Report Number : TERF2310002626ER Operation Mode :802.11n40 Test Frequency :2447 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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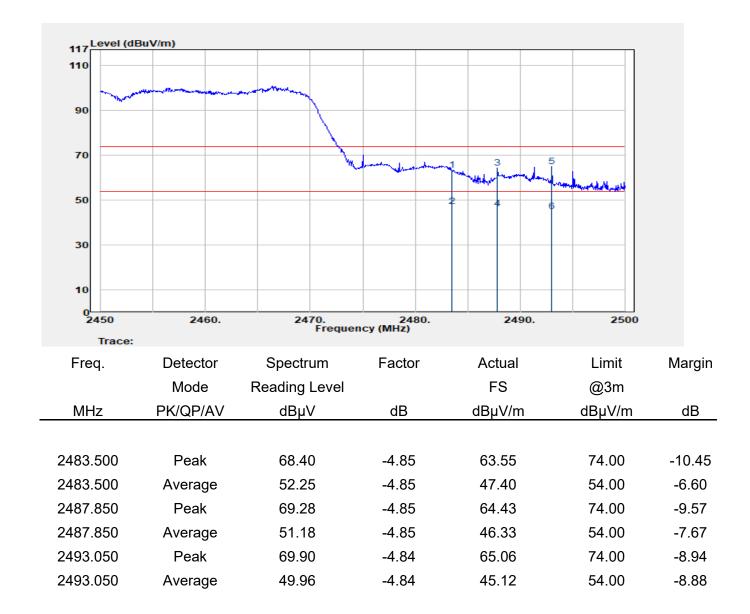
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Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11n40
Test Frequency	:2452 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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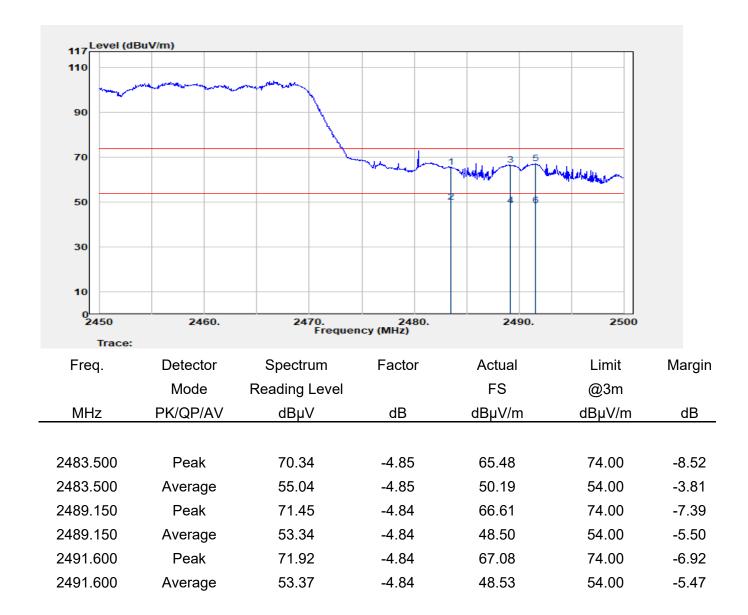
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Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11n40
Test Frequency	:2452 MHz
Test Mode	:Bandedge
EUT Pol	:H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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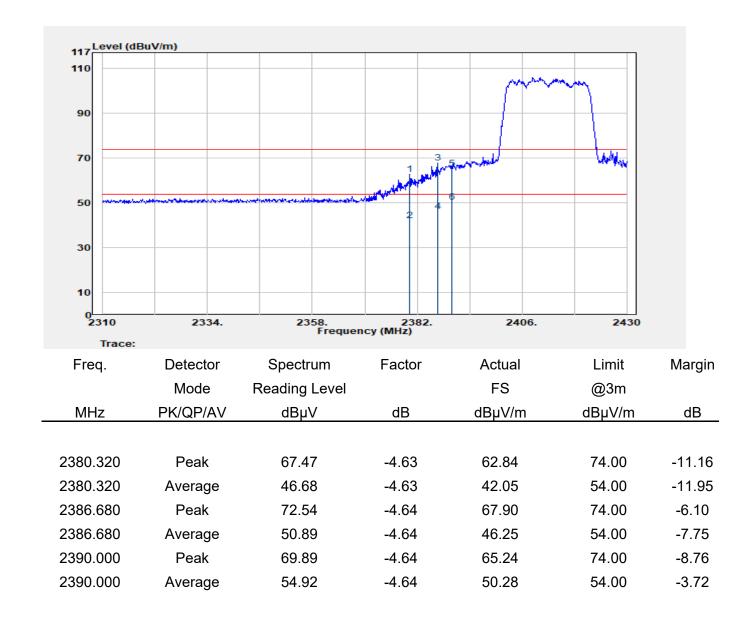
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2412 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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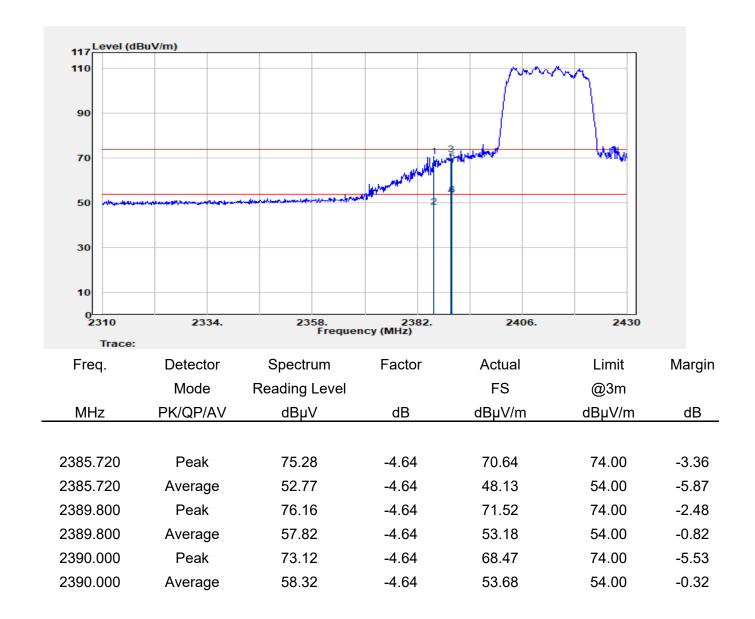
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2412 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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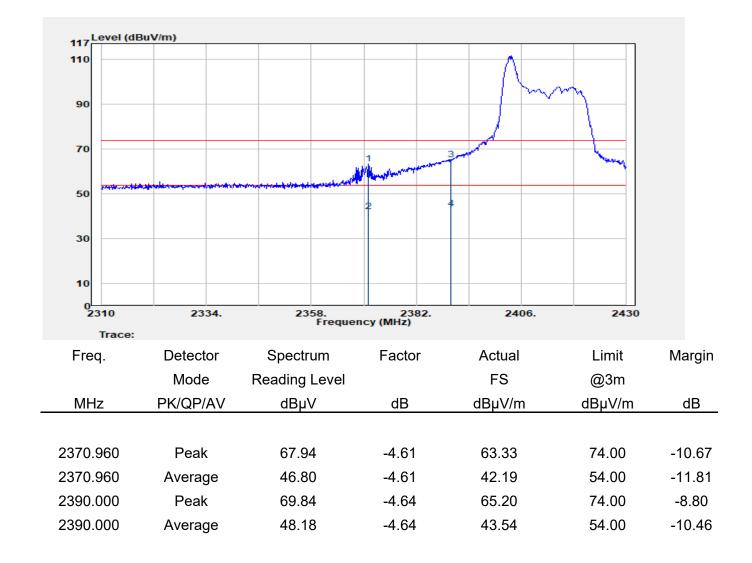
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 26/0 Test Frequency :2412 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Vertical Engineer :Nick Lin



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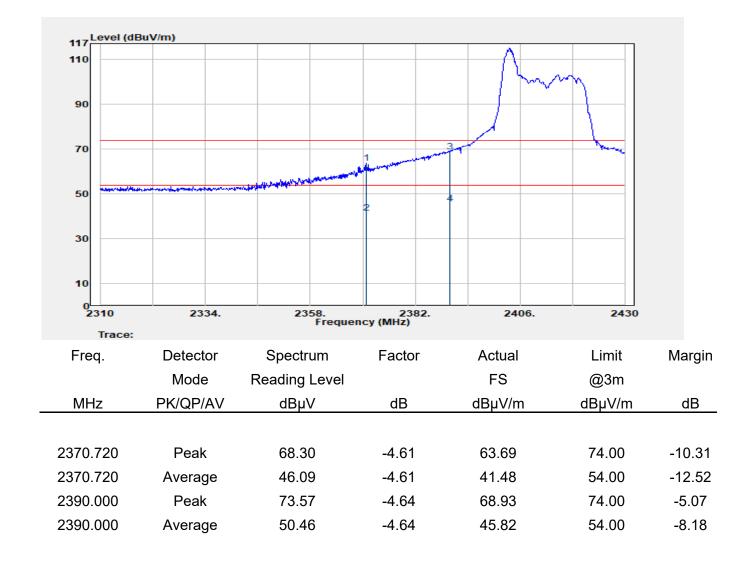
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Report No.: TERF2310002626ER Page: 156 of 261



Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 26/0 Test Frequency :2412 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Horizontal Engineer :Nick Lin



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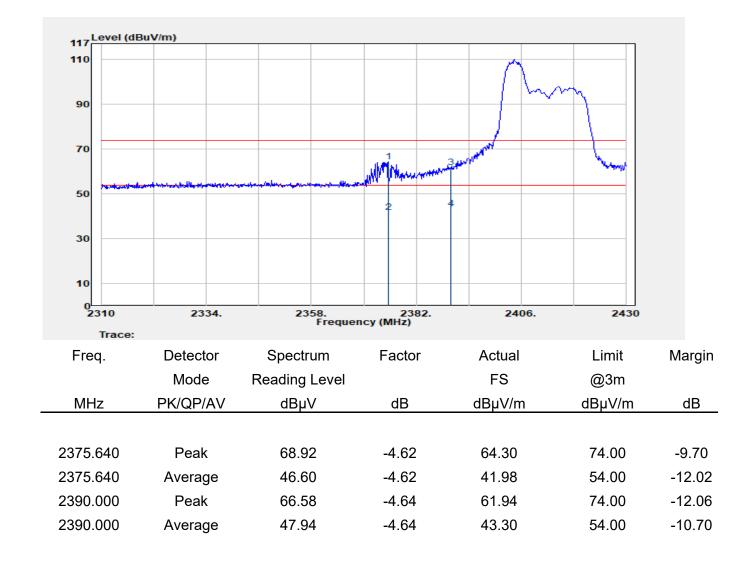
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 52/37 Test Frequency :2412 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Vertical Engineer :Nick Lin



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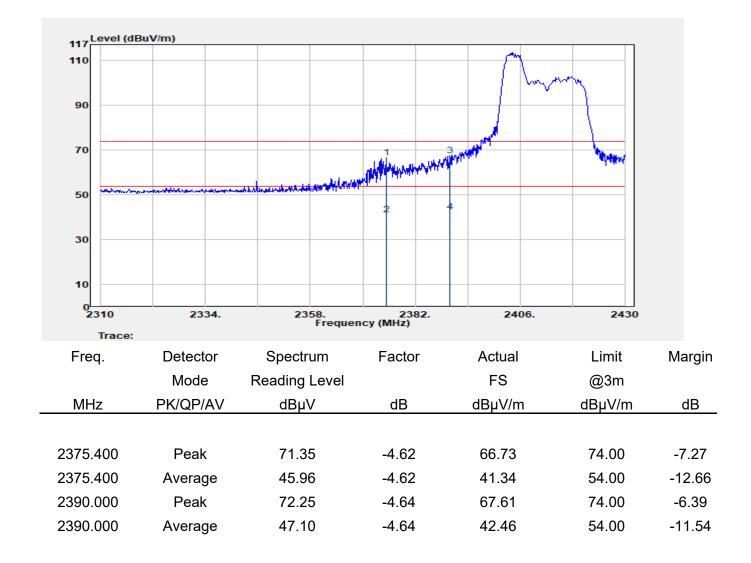
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 52/37 Test Frequency :2412 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Horizontal Engineer :Nick Lin



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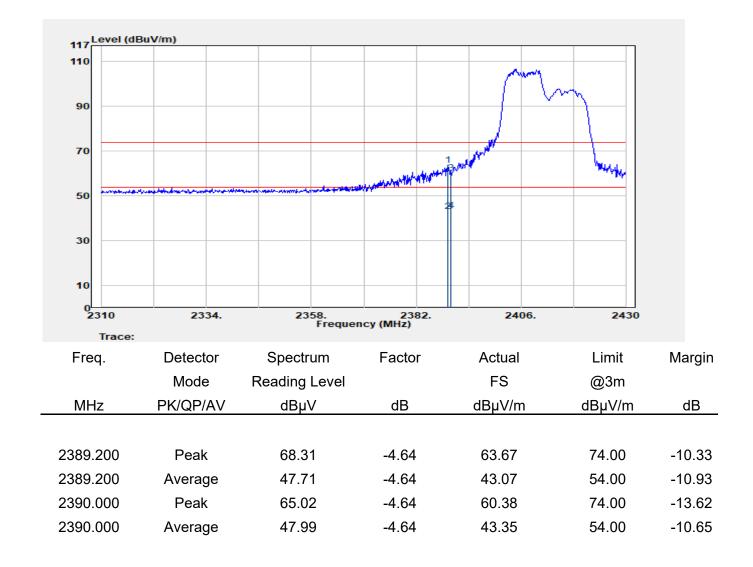
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 106/53 Test Frequency :2412 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Vertical Engineer :Nick Lin



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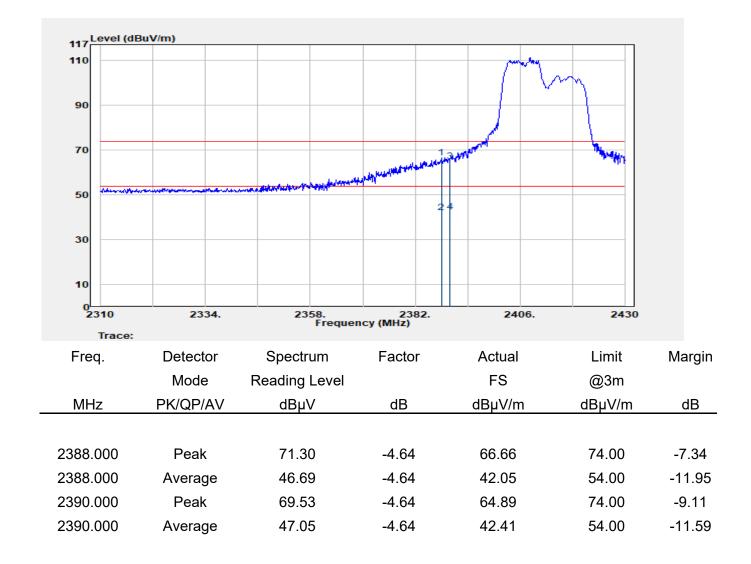
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 106/53 Test Frequency :2412 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Horizontal Engineer :Nick Lin



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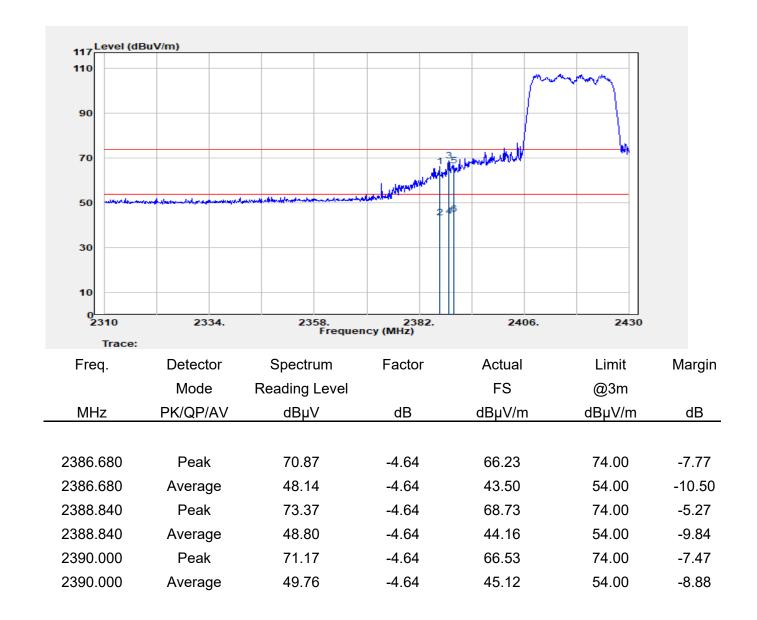
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2417 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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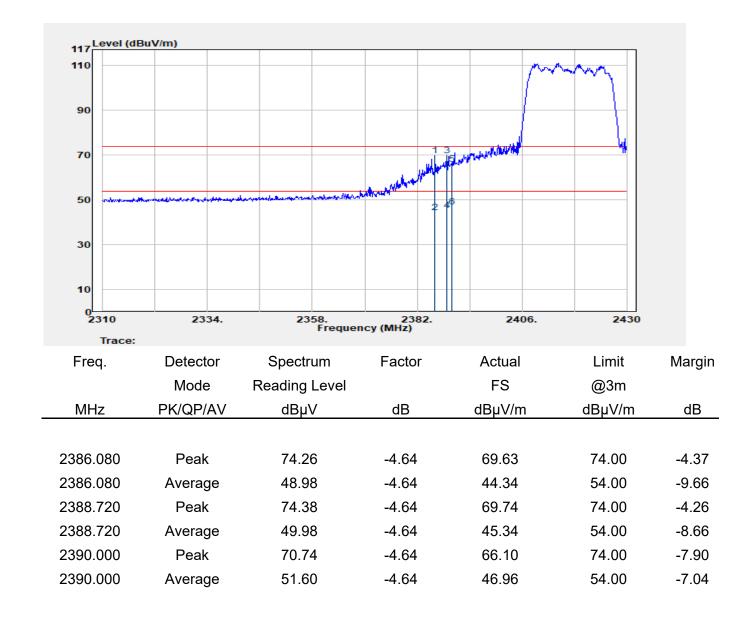
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2417 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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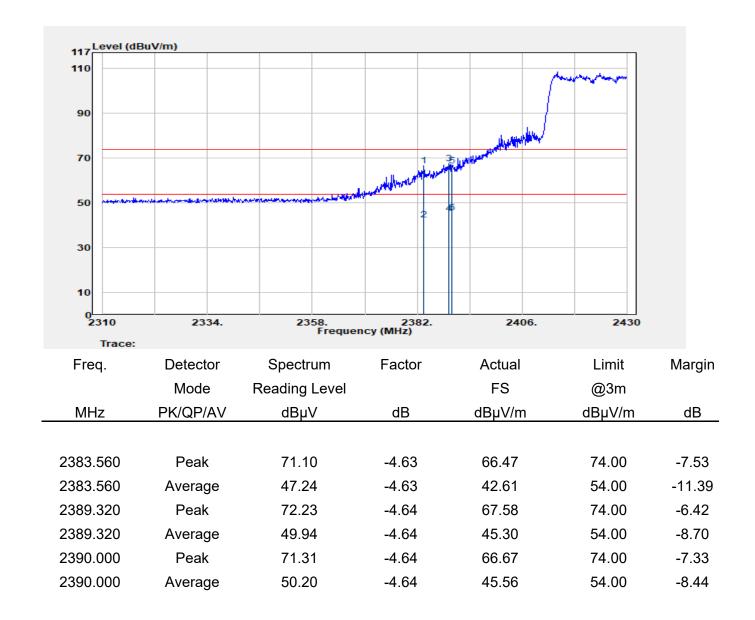
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2422 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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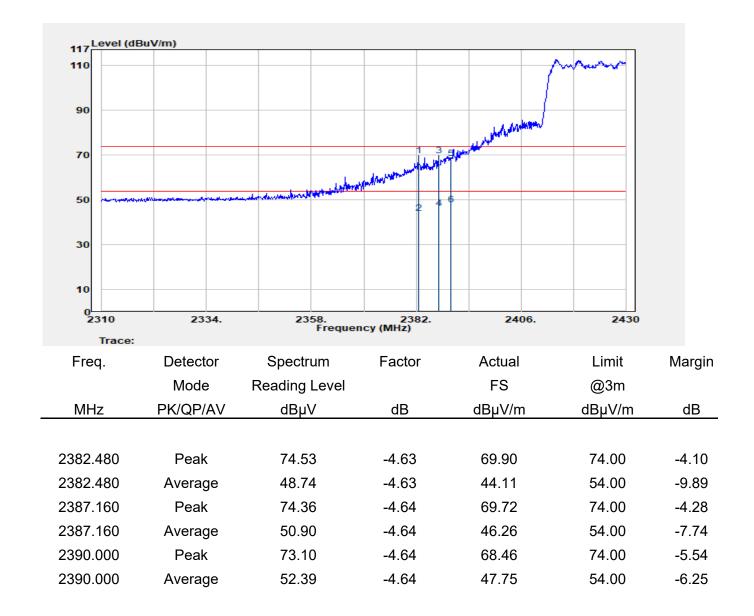
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2422 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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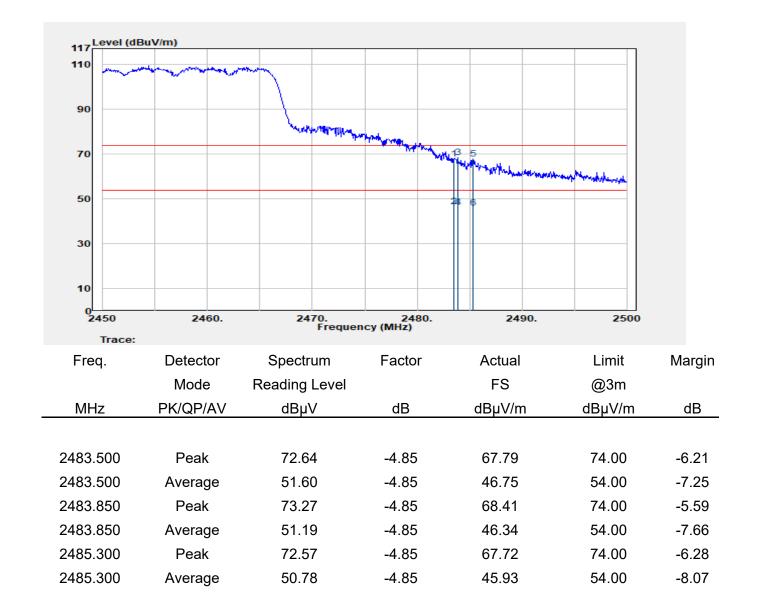
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2457 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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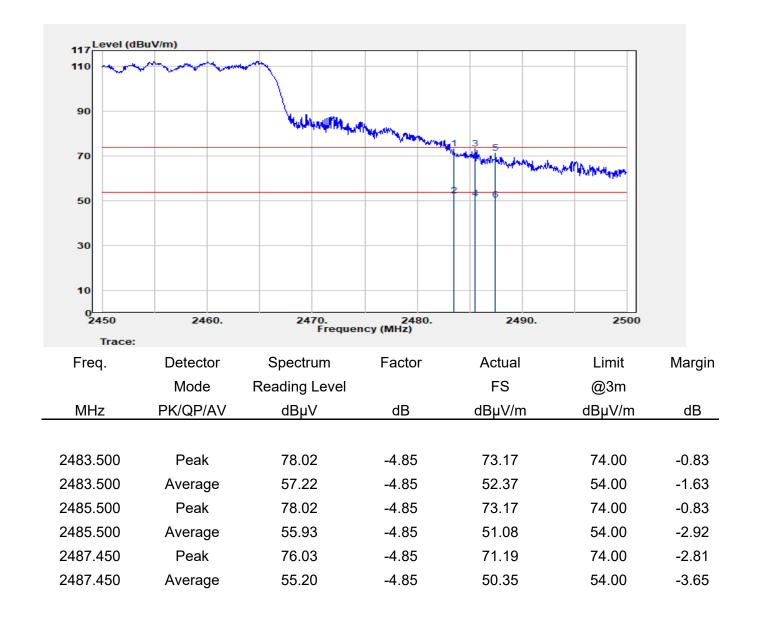
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2457 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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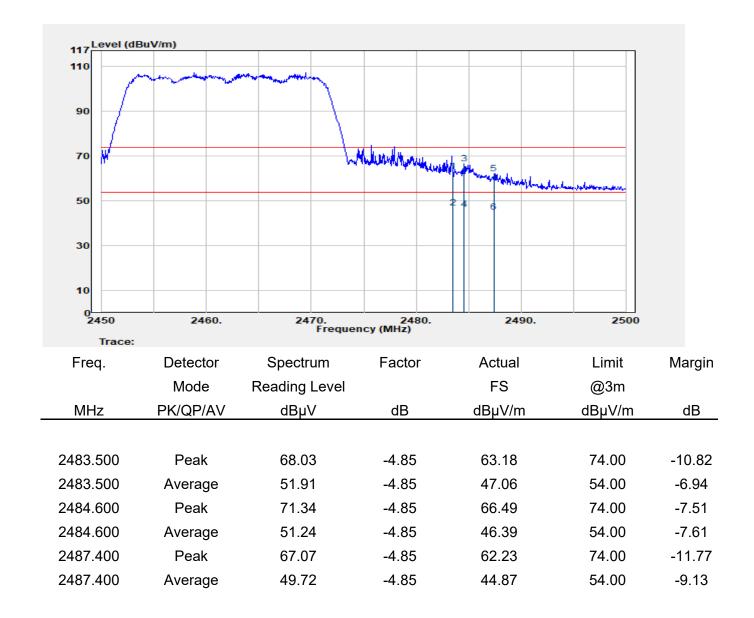
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2462 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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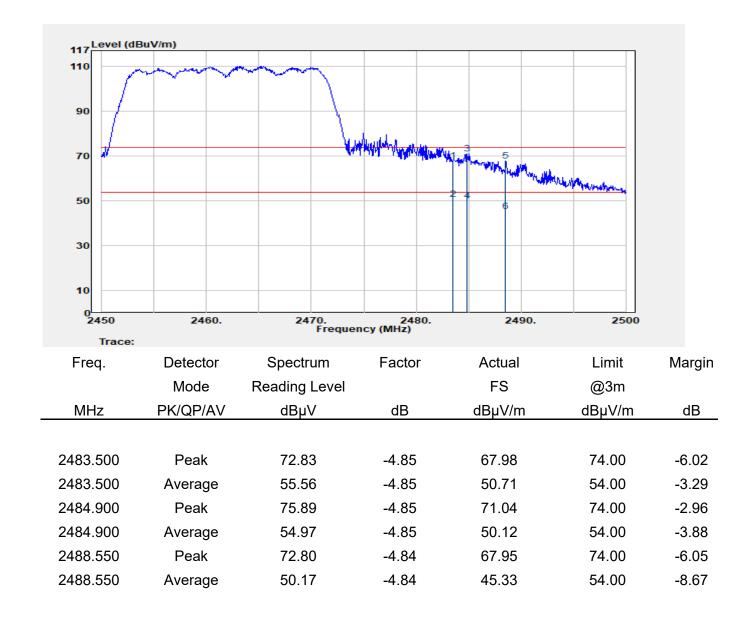
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2462 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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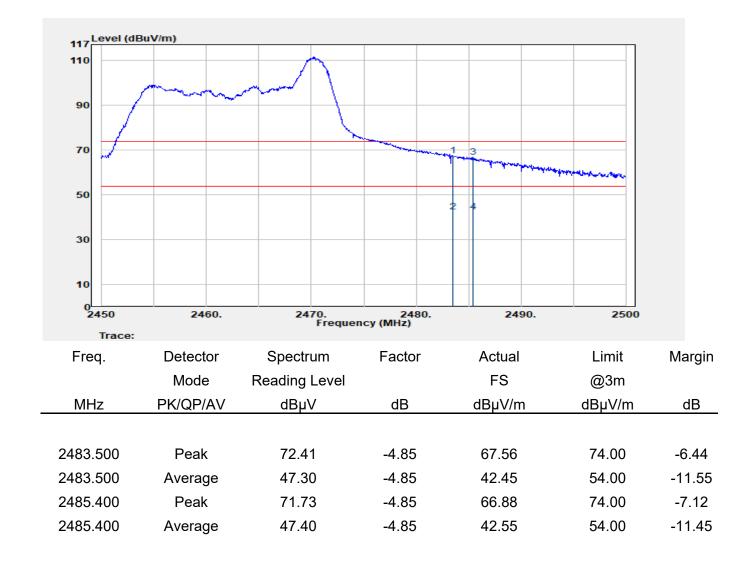
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 26/8 Test Frequency :2462 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Vertical Engineer :Nick Lin



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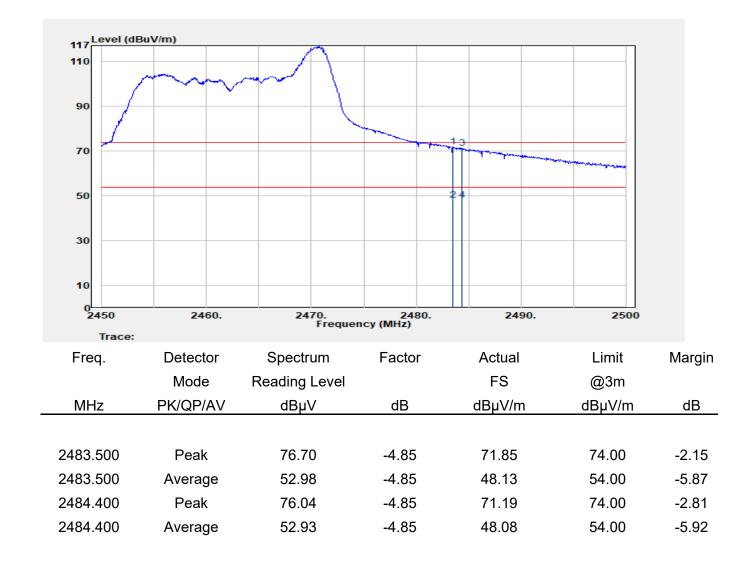
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 26/8 Test Frequency :2462 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Horizontal Engineer :Nick Lin



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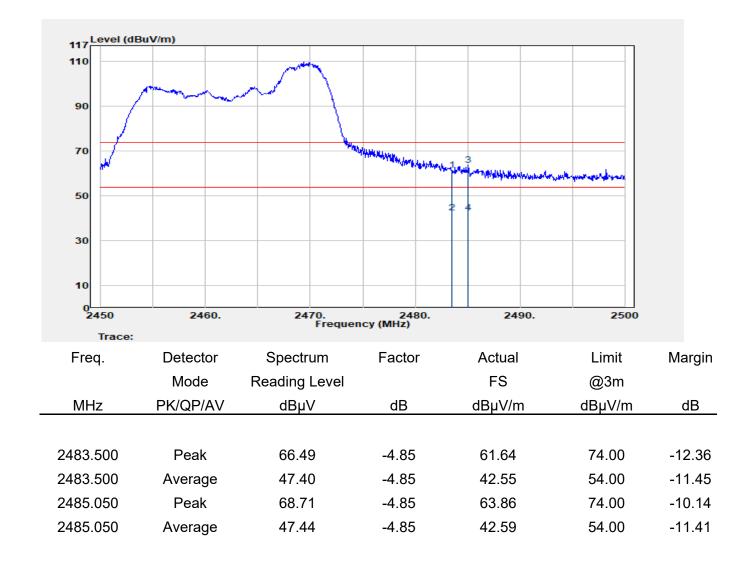
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 52/40 Test Frequency :2462 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Vertical Engineer :Nick Lin



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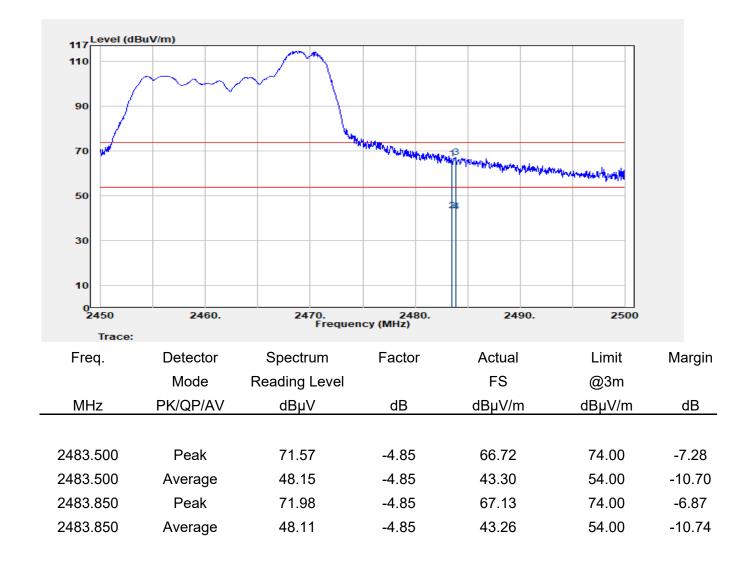
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 52/40 Test Frequency :2462 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Horizontal Engineer :Nick Lin



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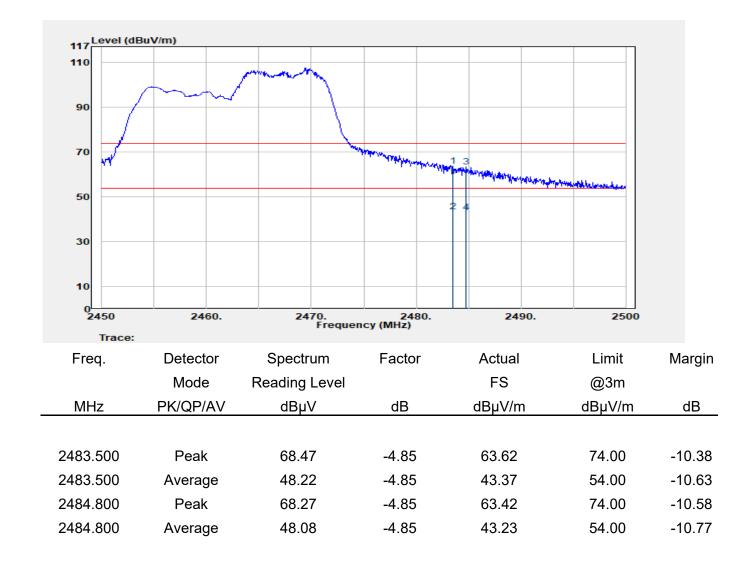
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 106/54 Test Frequency :2462 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Vertical Engineer :Nick Lin



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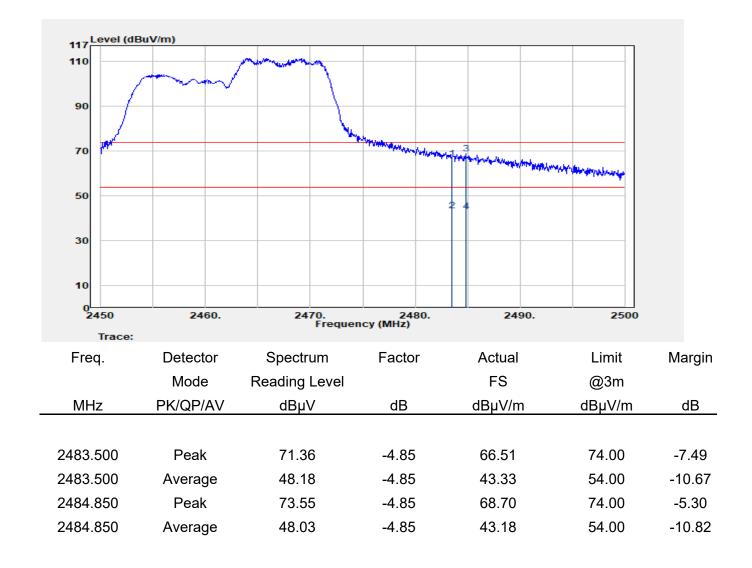
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 106/54 Test Frequency :2462 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Horizontal Engineer :Nick Lin



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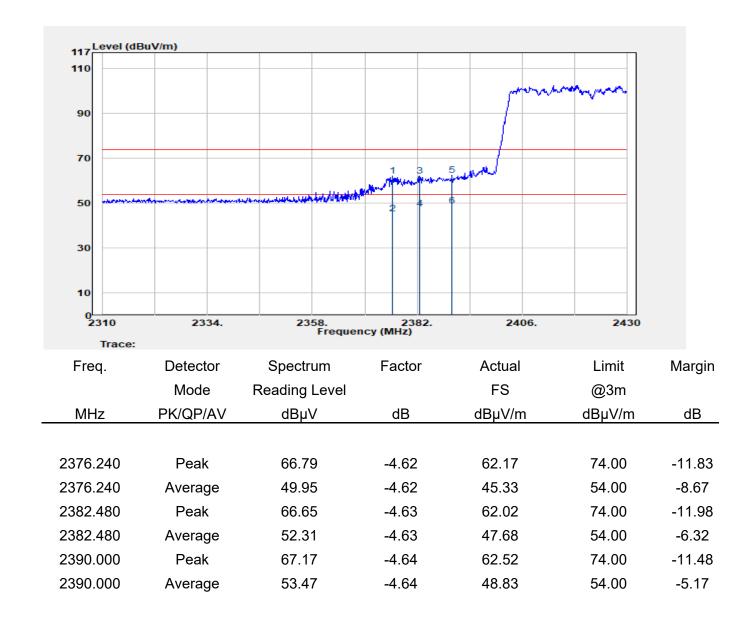
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2422 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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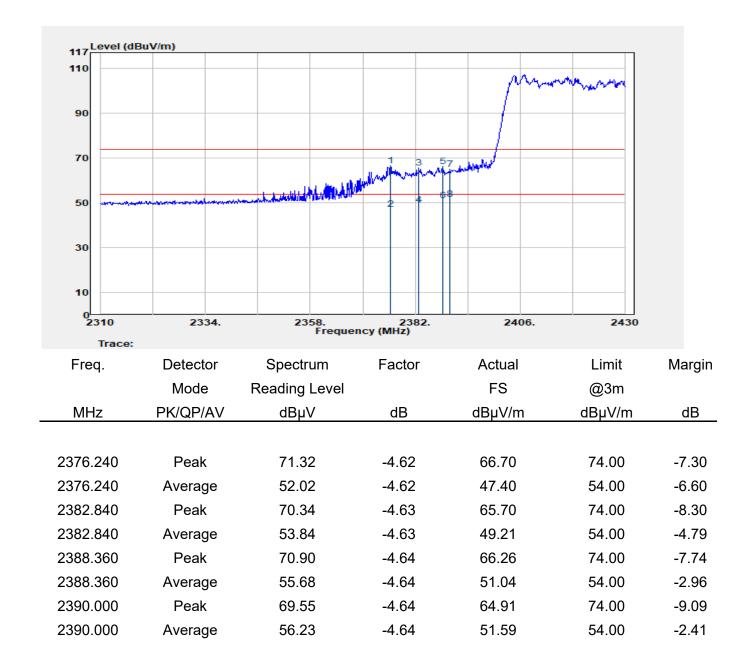
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2422 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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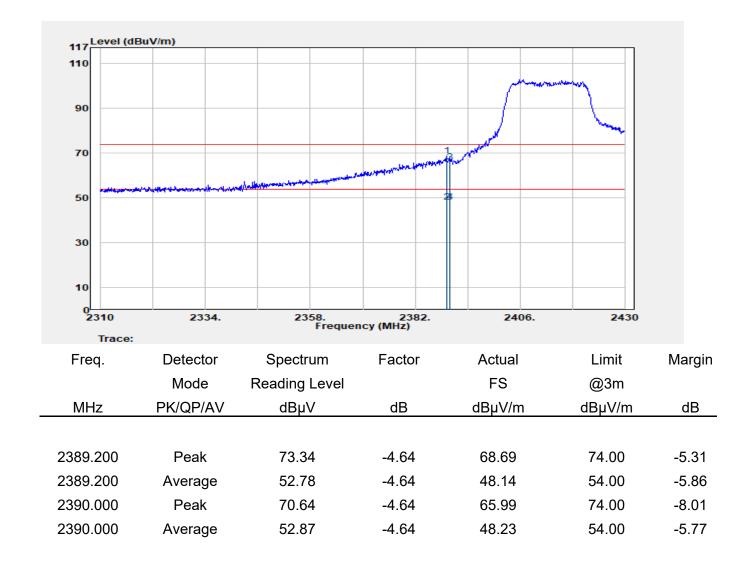
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU 242/61 Test Frequency :2422 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Vertical Engineer :Nick Lin



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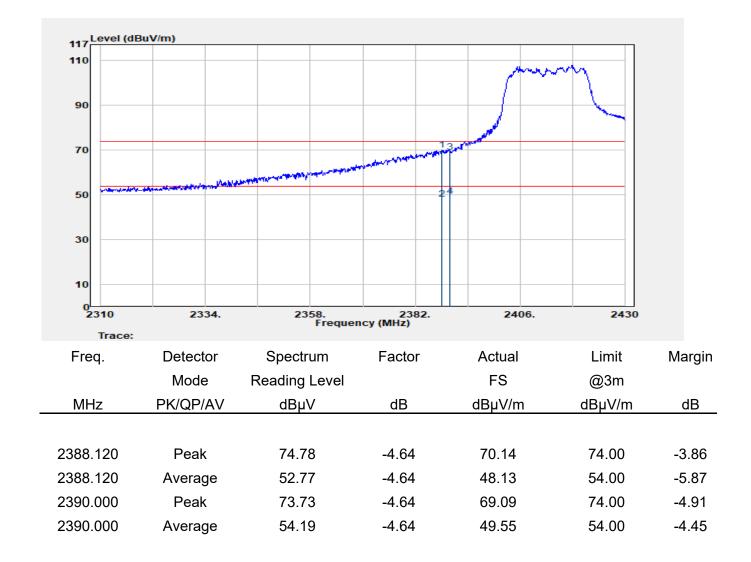
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU 242/61 Test Frequency :2422 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Horizontal Engineer :Nick Lin



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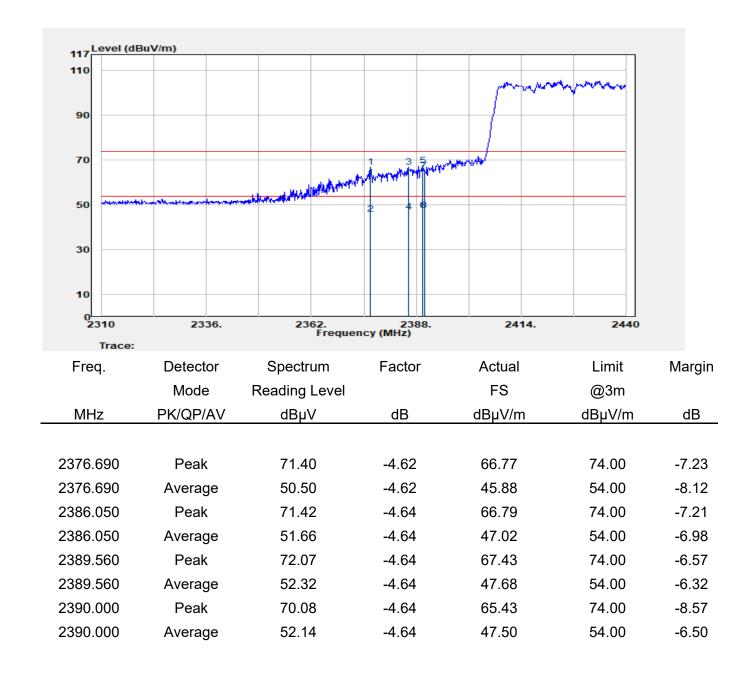
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2427 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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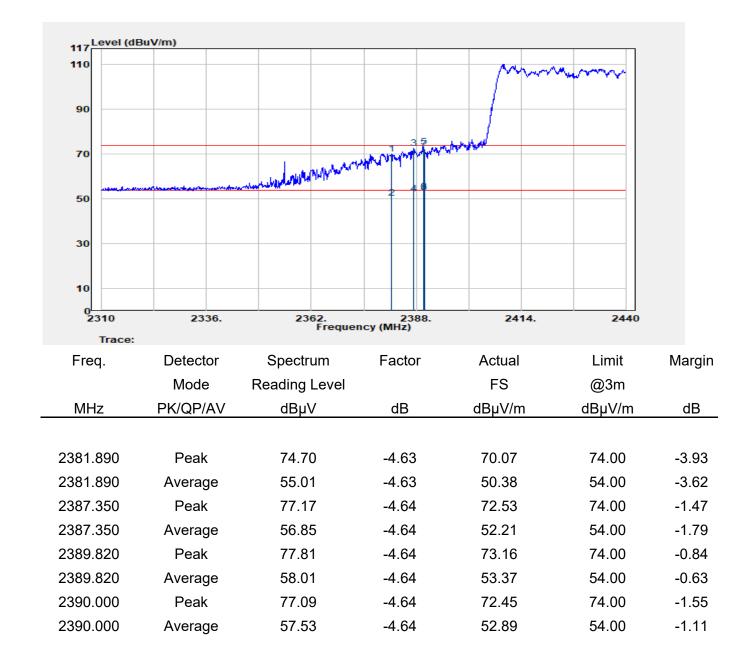
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2427 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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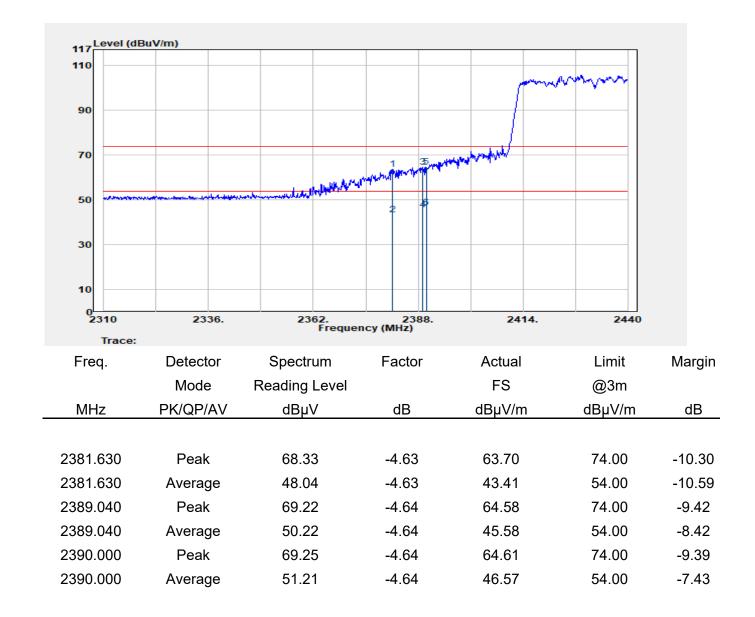
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2432 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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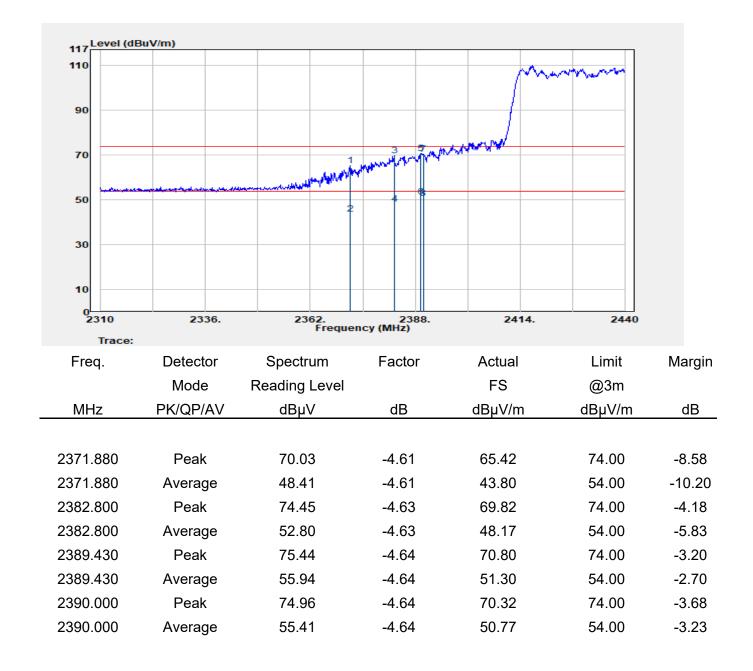
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2432 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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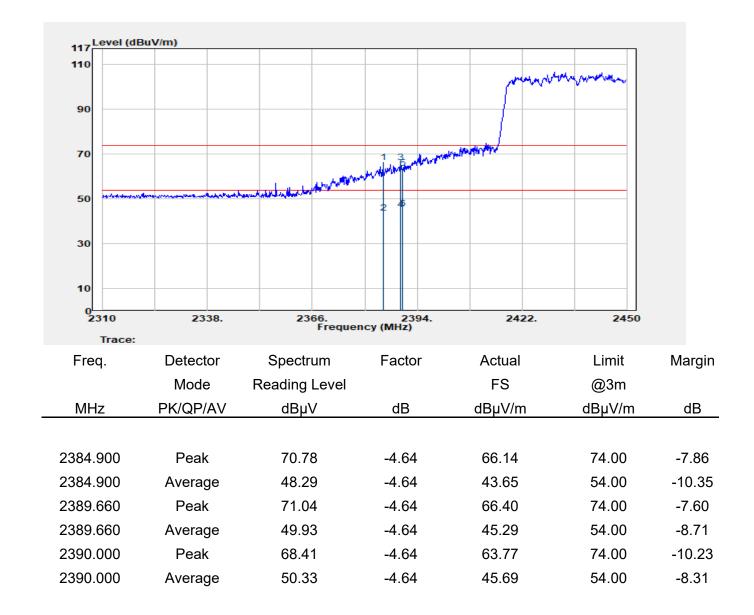
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2437 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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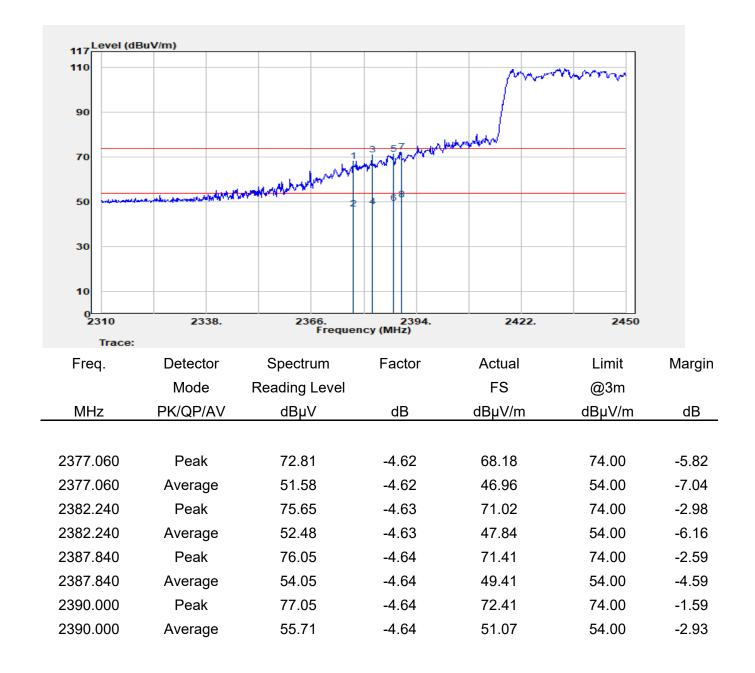
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2437 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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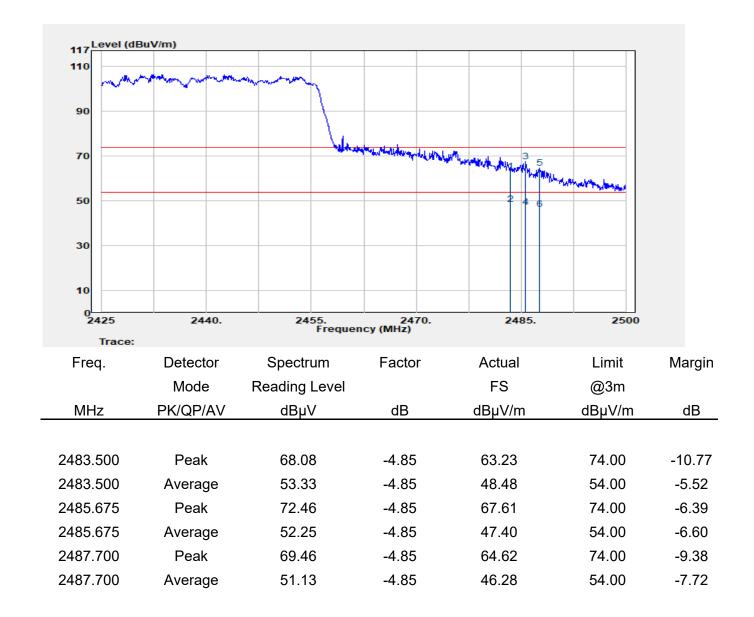
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2437 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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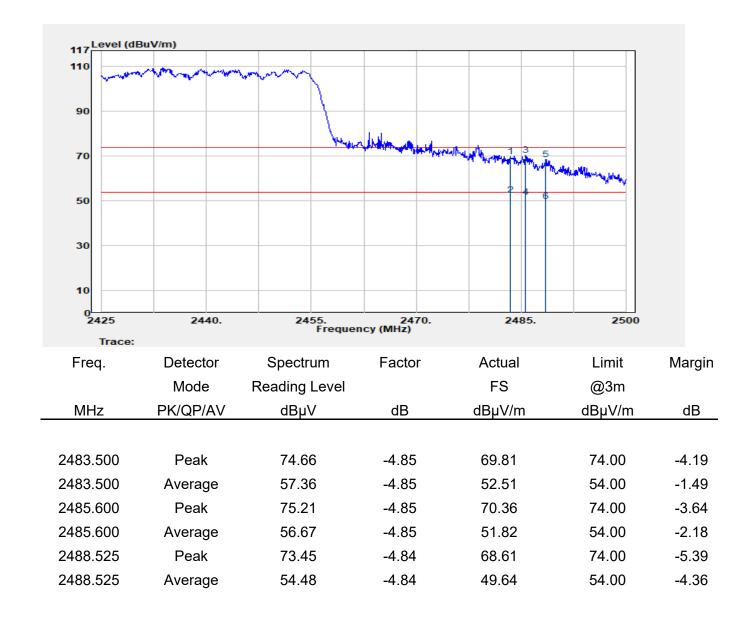
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Report No.: TERF2310002626ER Page: 186 of 261



Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2437 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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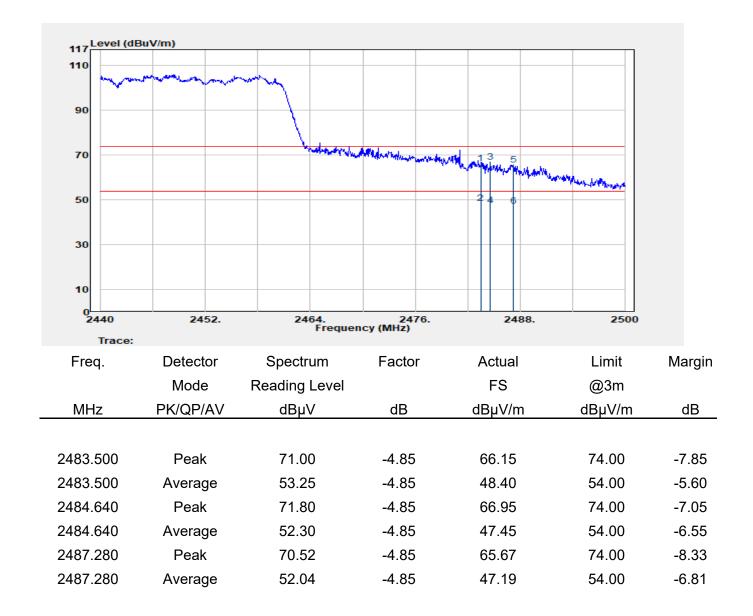
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2442 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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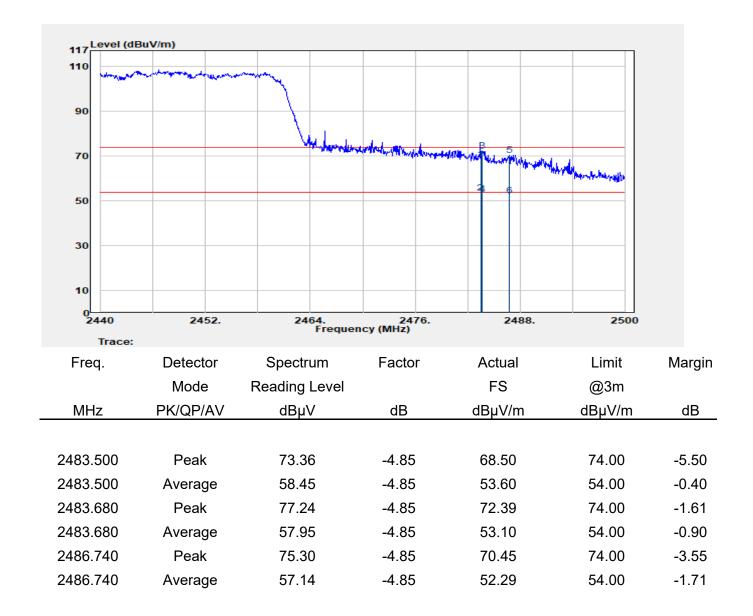
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2442 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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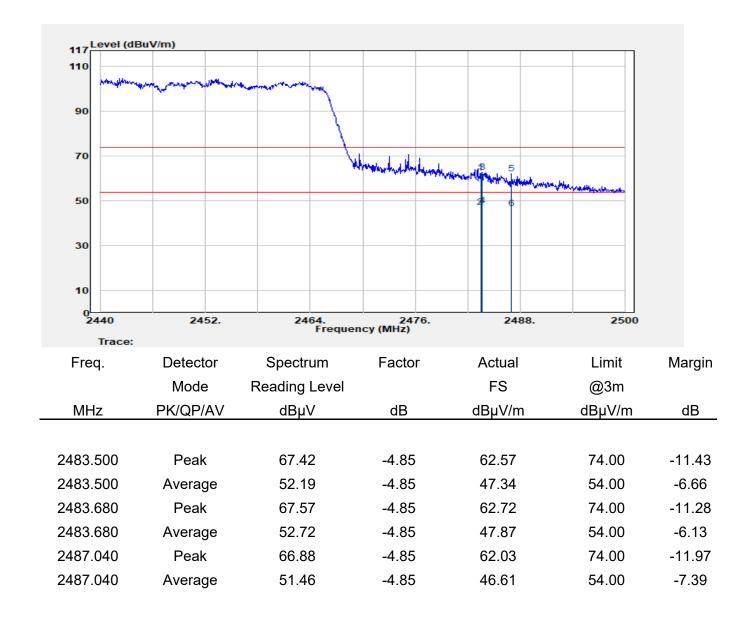
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2447 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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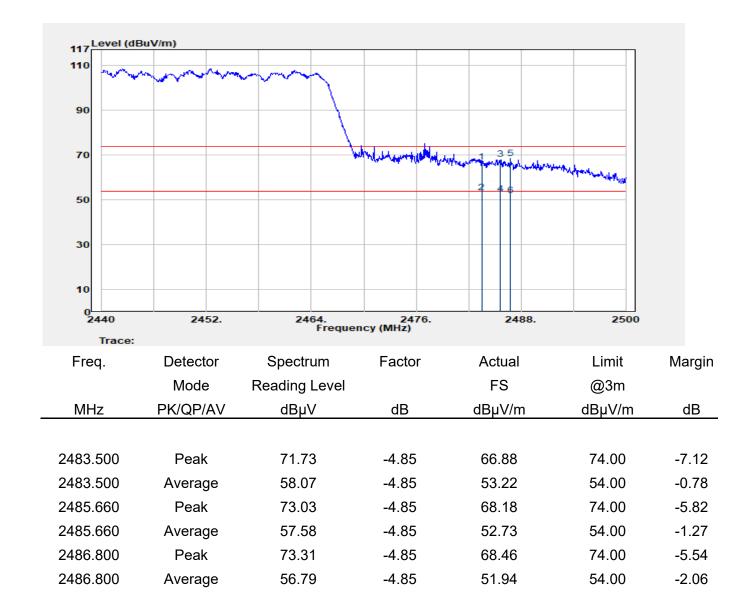
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2447 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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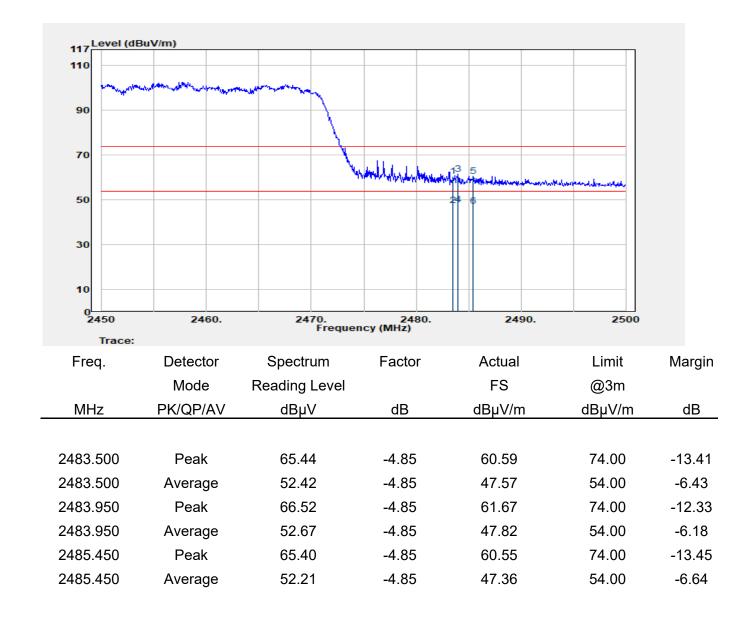
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2452 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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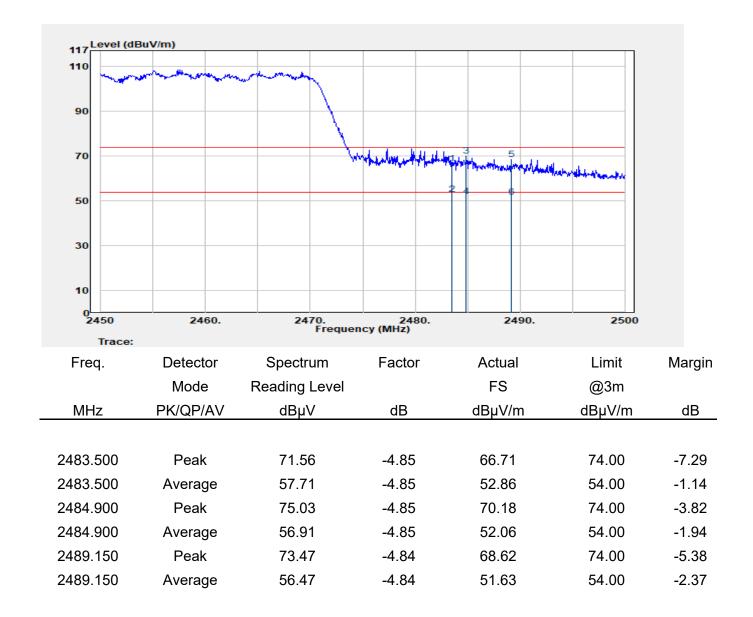
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2452 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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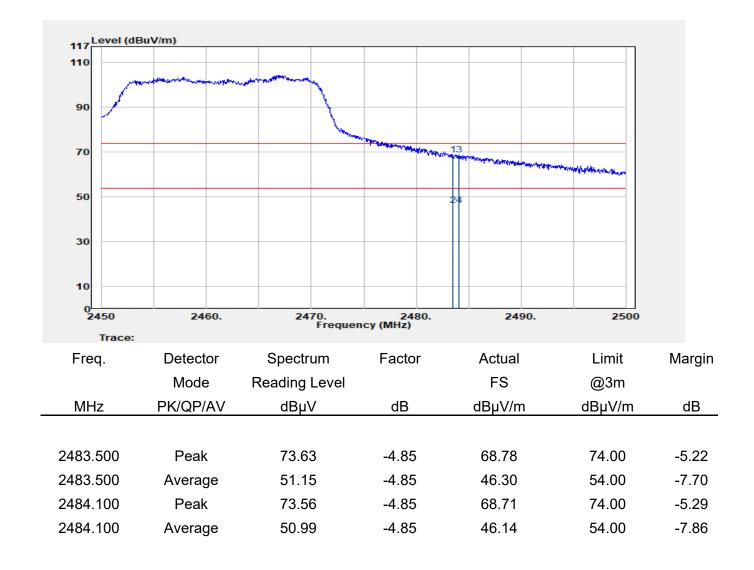
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU 242/62 Test Frequency :2452 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Vertical Engineer :Nick Lin



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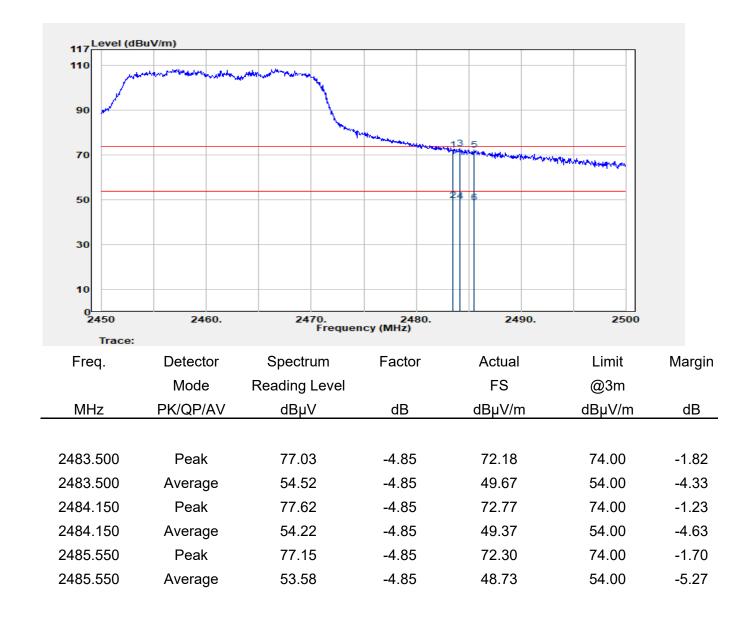
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU 242/62 Test Frequency :2452 MHz Test Mode :Bandedge EUT Pol :H Plane

**Test Site** :SAC 3 Test Date :2023-11-03 Temp./Humi. :23.5°C/65% Antenna Pol. :Horizontal Engineer :Nick Lin



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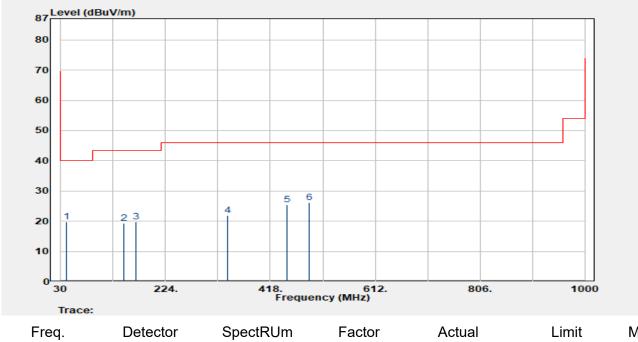
Report No.: TERF2310002626ER Page: 195 of 261



## 11.6.2 **Spurious Emission:**

Report Number	:TERF2310002626ER
<b>Operation Mode</b>	:802.11g
Test Frequency	:2437 MHz
Test Mode	:Tx
EUT Pol	:H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



	Freq.	Detector	SpectRUm	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
-	MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
	40.670	Peak	29.53	-9.63	19.90	40.00	-20.10
	147.370	Peak	27.92	-8.47	19.44	43.50	-24.06
	168.710	Peak	28.73	-8.88	19.85	43.50	-23.65
	338.460	Peak	28.43	-6.59	21.84	46.00	-24.16
	449.040	Peak	29.49	-4.10	25.39	46.00	-20.61
	489.780	Peak	29.81	-3.71	26.10	46.00	-19.90

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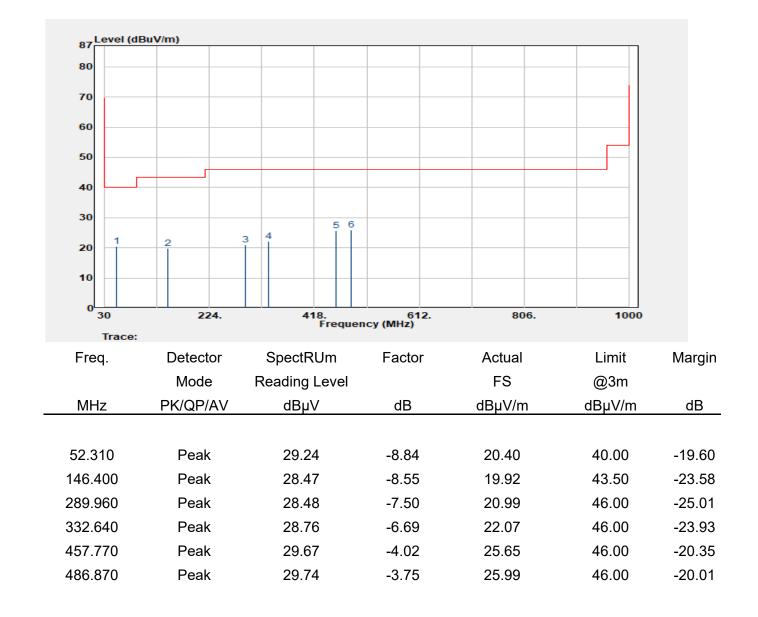
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Report No.: TERF2310002626ER Page: 196 of 261



Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2437 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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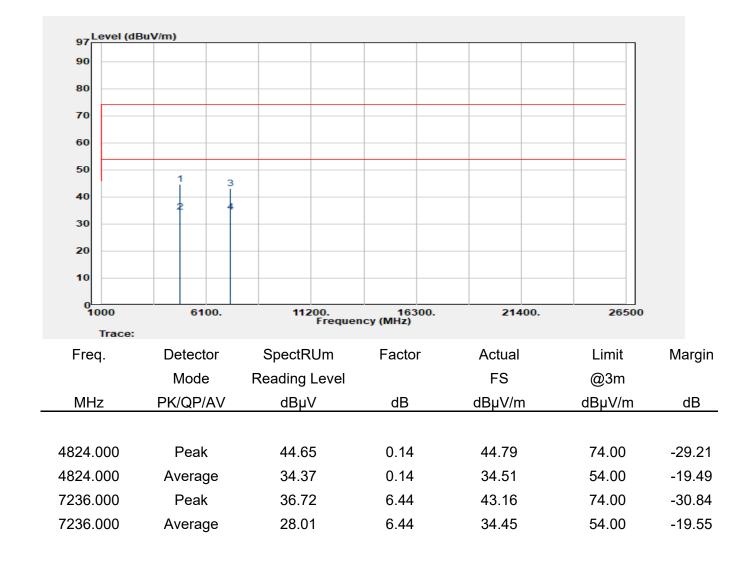
f (886-2) 2298-0488

Report No.: TERF2310002626ER Page: 197 of 261



Report Number : TERF2310002626ER Operation Mode :802.11b Test Frequency :2412 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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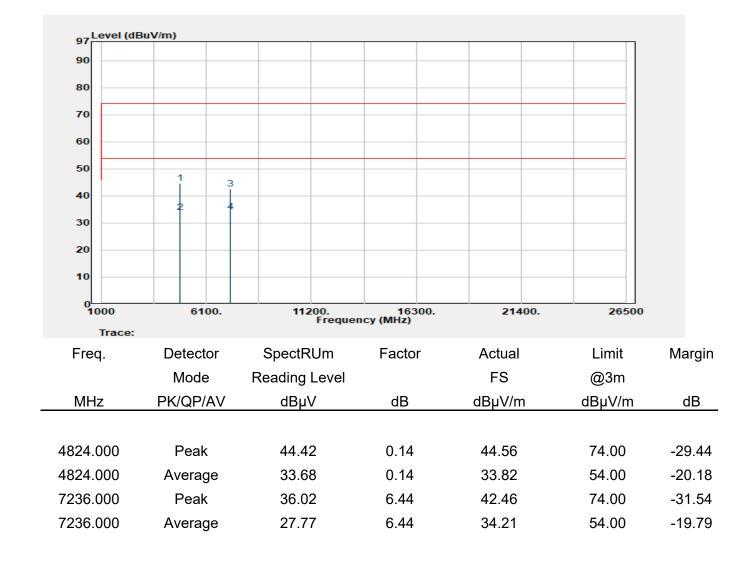
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Report Number : TERF2310002626ER Operation Mode :802.11b Test Frequency :2412 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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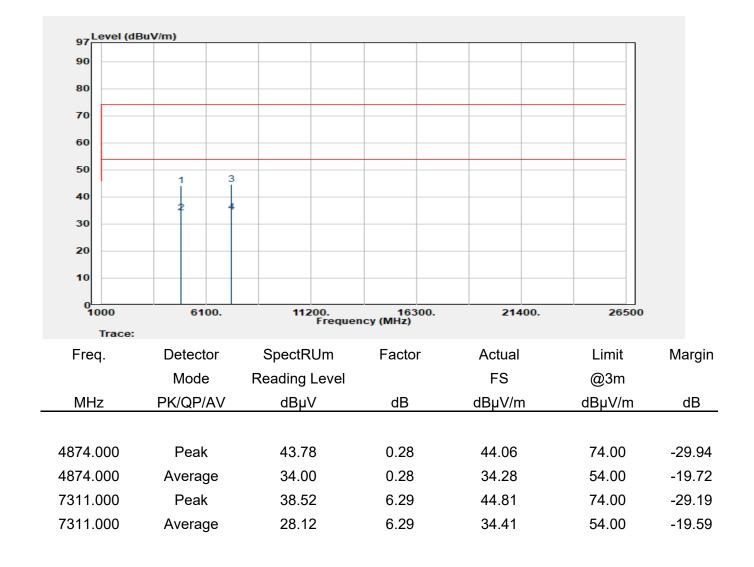
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Report No.: TERF2310002626ER Page: 199 of 261



Report Number : TERF2310002626ER Operation Mode :802.11b Test Frequency :2437 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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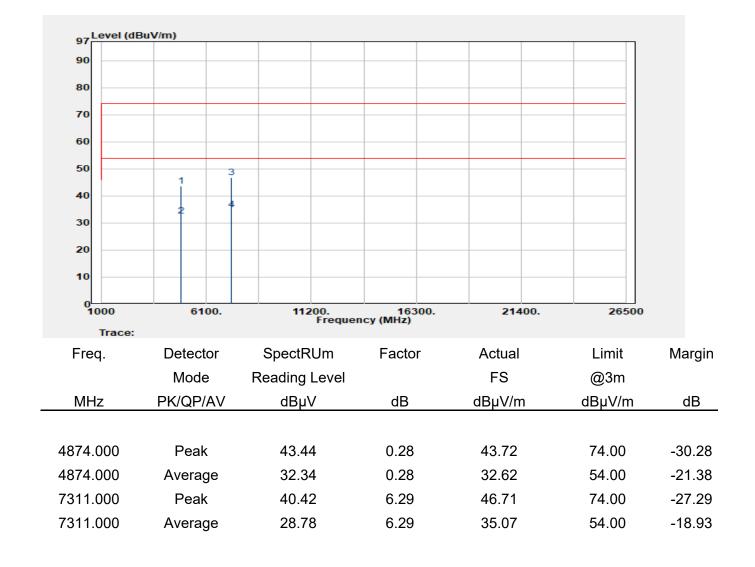
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Report No.: TERF2310002626ER Page: 200 of 261



Report Number : TERF2310002626ER Operation Mode :802.11b Test Frequency :2437 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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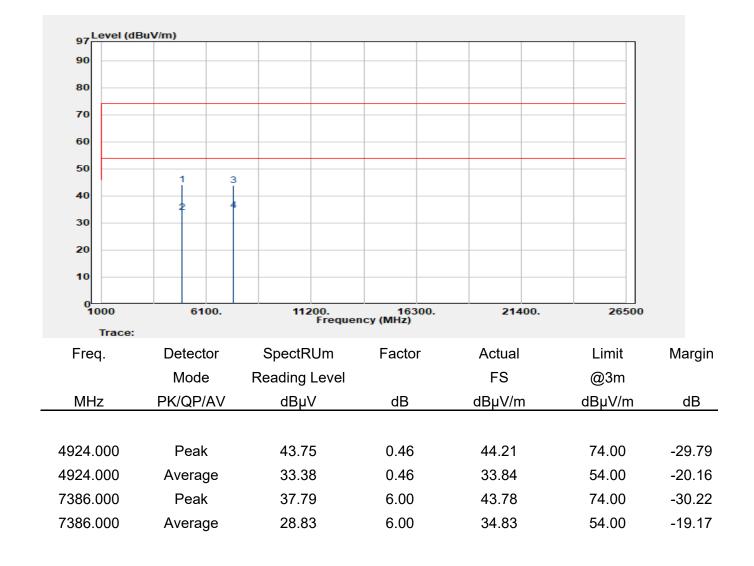
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Report Number : TERF2310002626ER Operation Mode :802.11b Test Frequency :2462 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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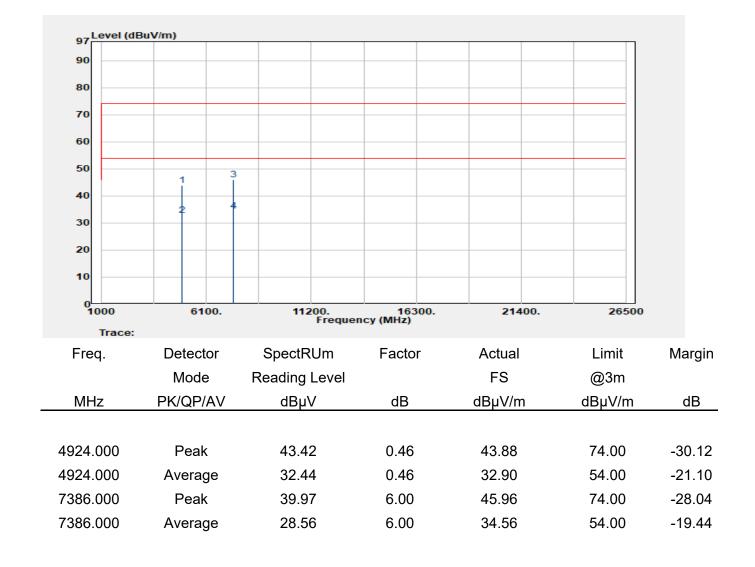
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Report Number : TERF2310002626ER Operation Mode :802.11b Test Frequency :2462 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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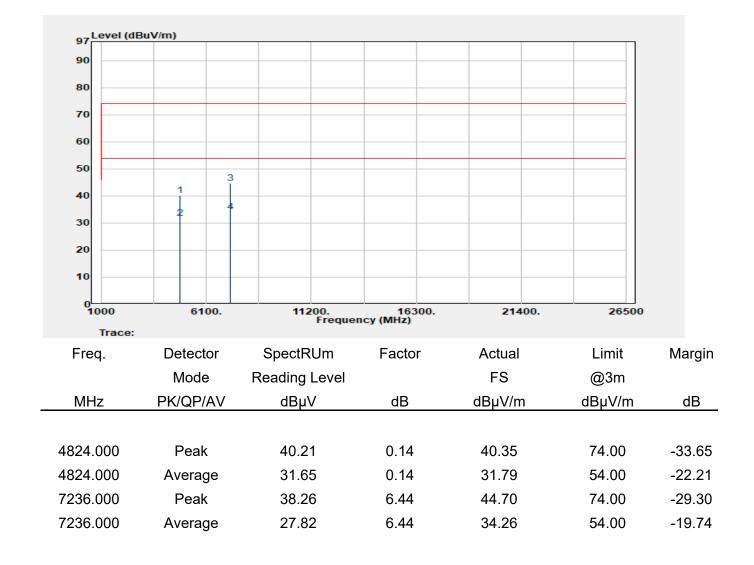
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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2412 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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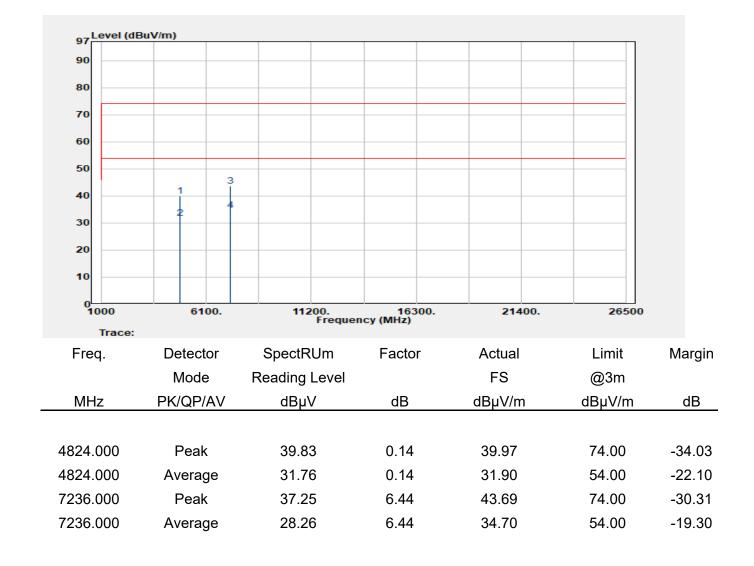
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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2412 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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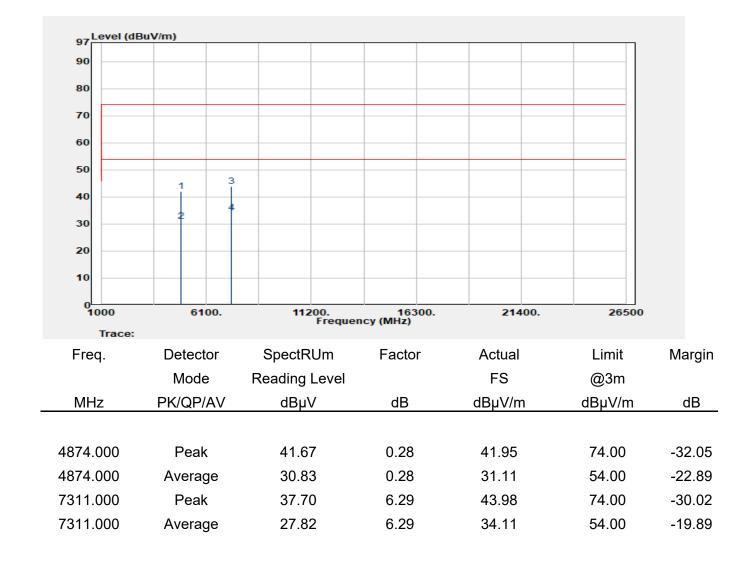
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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2437 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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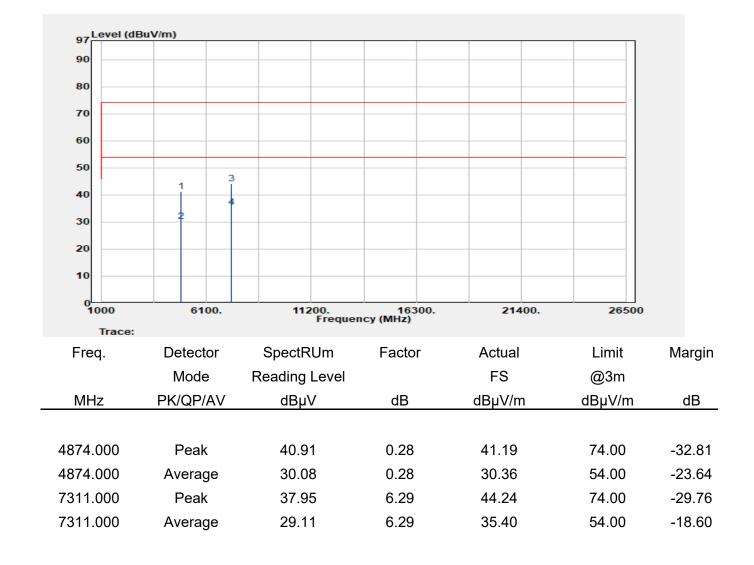
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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2437 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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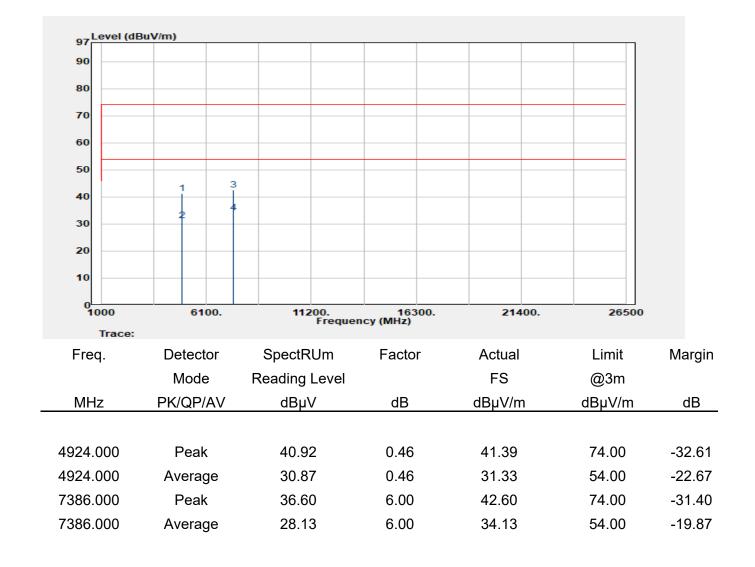
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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2462 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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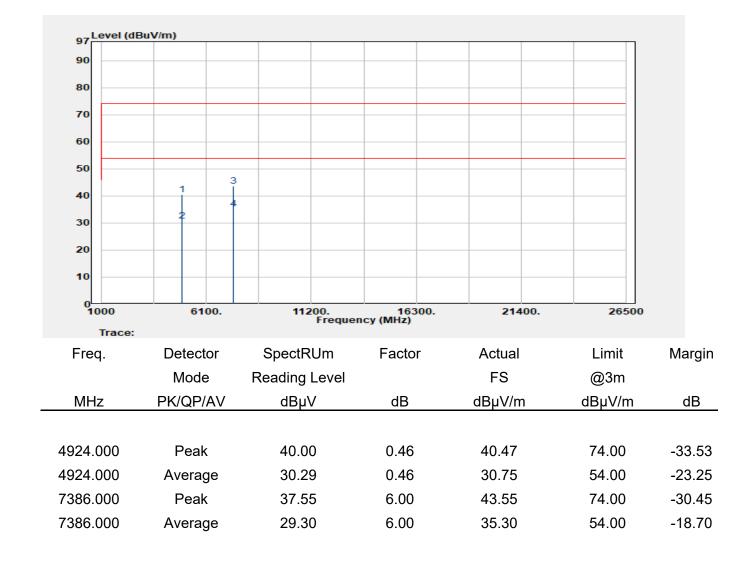
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Report Number : TERF2310002626ER Operation Mode :802.11g Test Frequency :2462 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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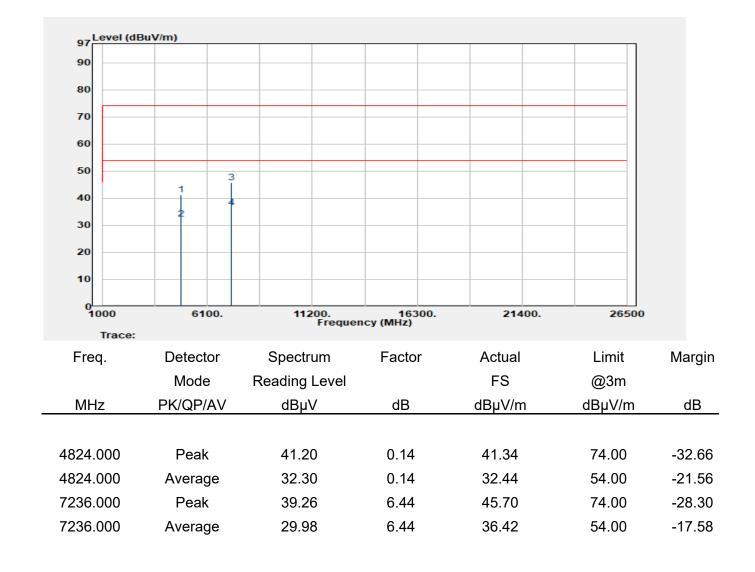
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Report Number : TERF2310002626ER Operation Mode :802.11n20 Test Frequency :2412 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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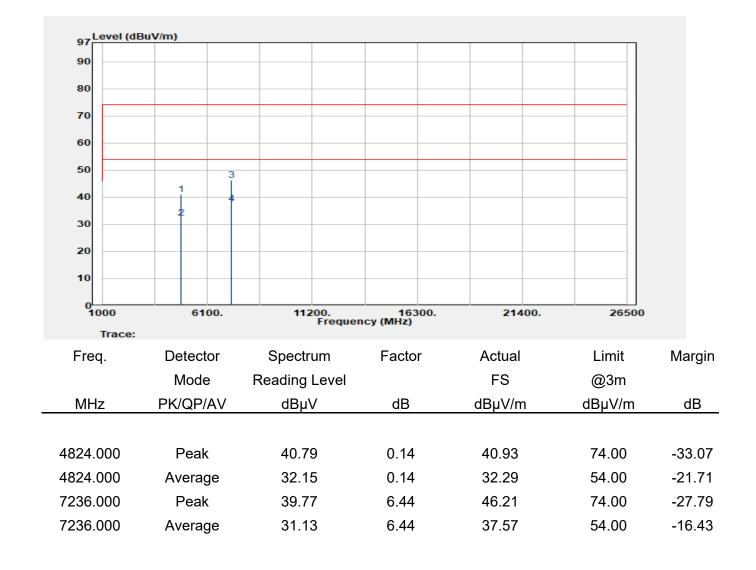
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Report Number : TERF2310002626ER Operation Mode :802.11n20 Test Frequency :2412 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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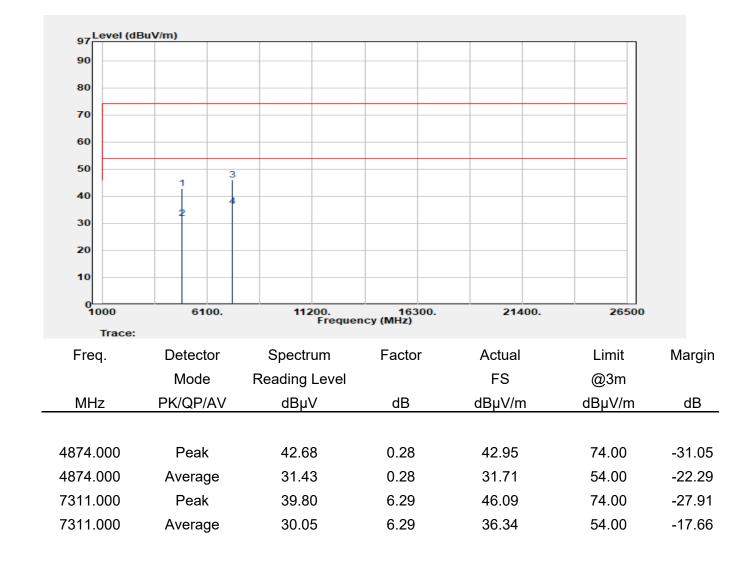
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Report Number : TERF2310002626ER Operation Mode :802.11n20 Test Frequency :2437 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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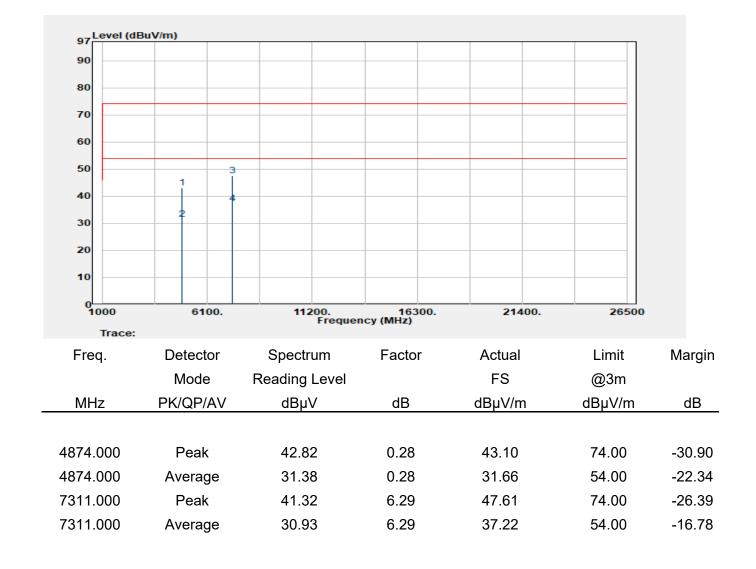
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Report Number : TERF2310002626ER Operation Mode :802.11n20 Test Frequency :2437 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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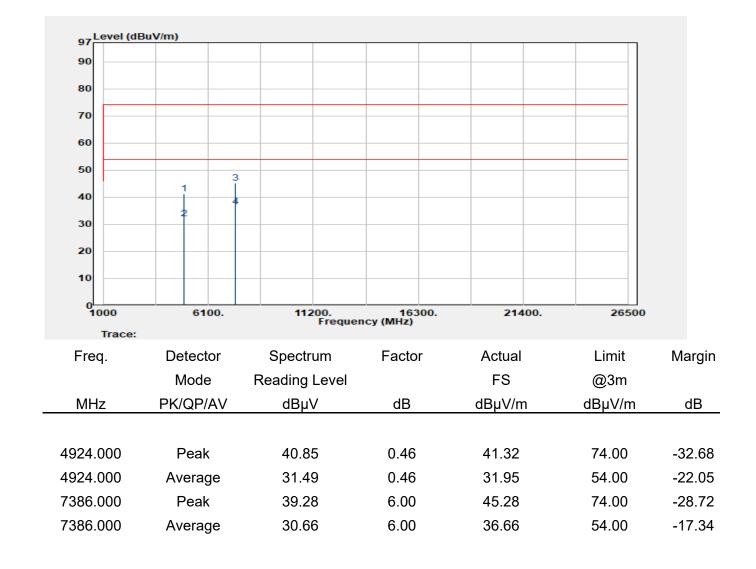
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Report Number : TERF2310002626ER Operation Mode :802.11n20 Test Frequency :2462 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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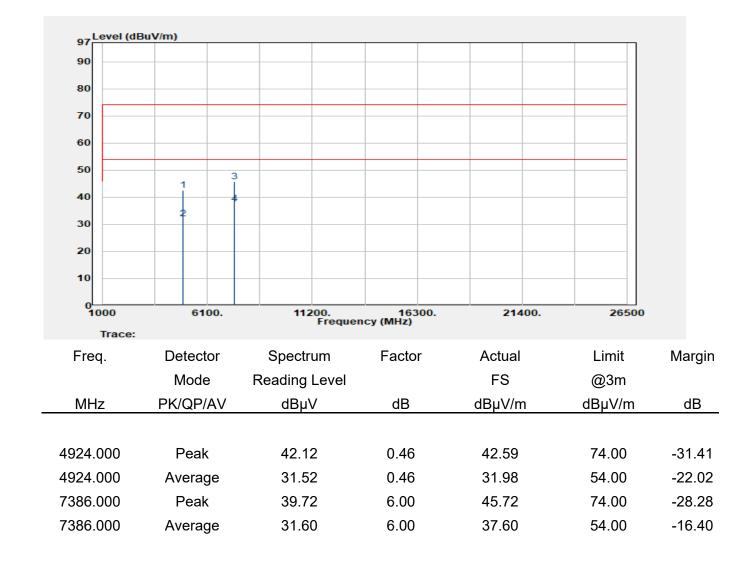
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Report Number : TERF2310002626ER Operation Mode :802.11n20 Test Frequency :2462 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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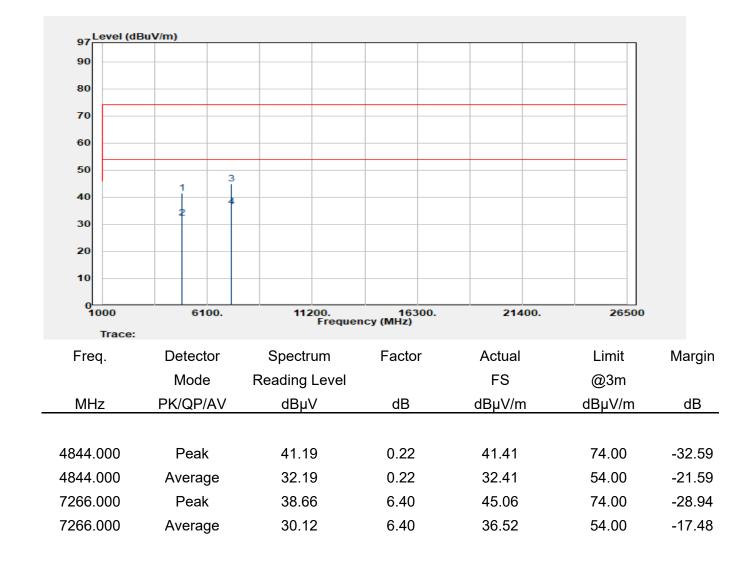
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Report Number : TERF2310002626ER Operation Mode :802.11n40 Test Frequency :2422 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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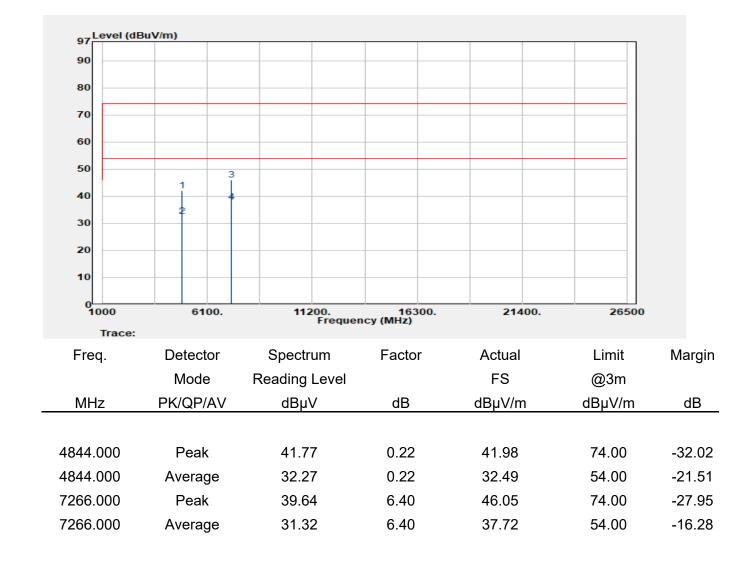
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Report Number : TERF2310002626ER Operation Mode :802.11n40 Test Frequency :2422 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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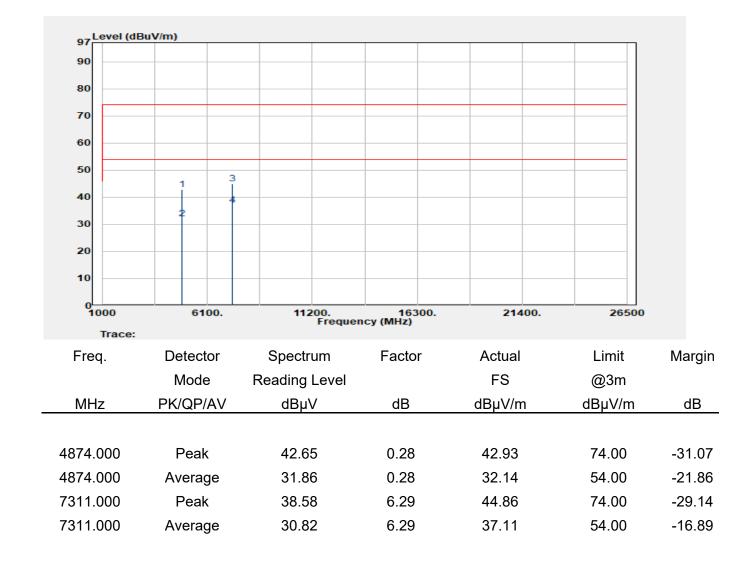
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Report Number : TERF2310002626ER Operation Mode :802.11n40 Test Frequency :2437 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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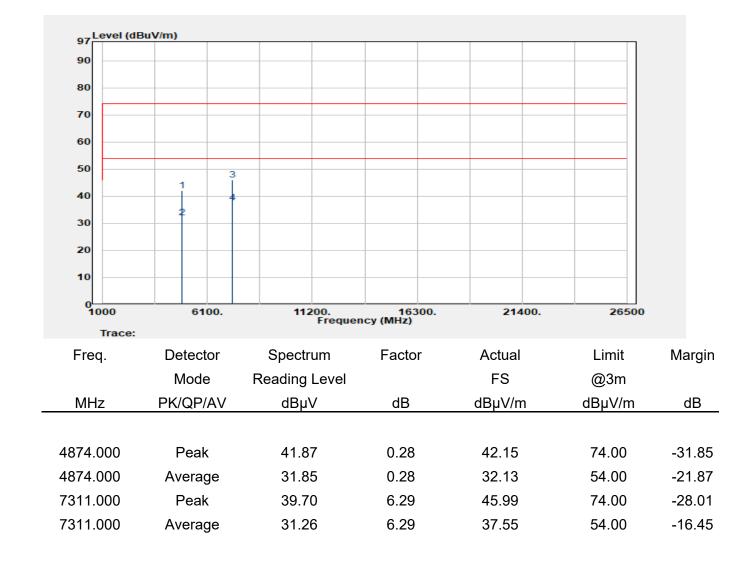
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Report Number : TERF2310002626ER Operation Mode :802.11n40 Test Frequency :2437 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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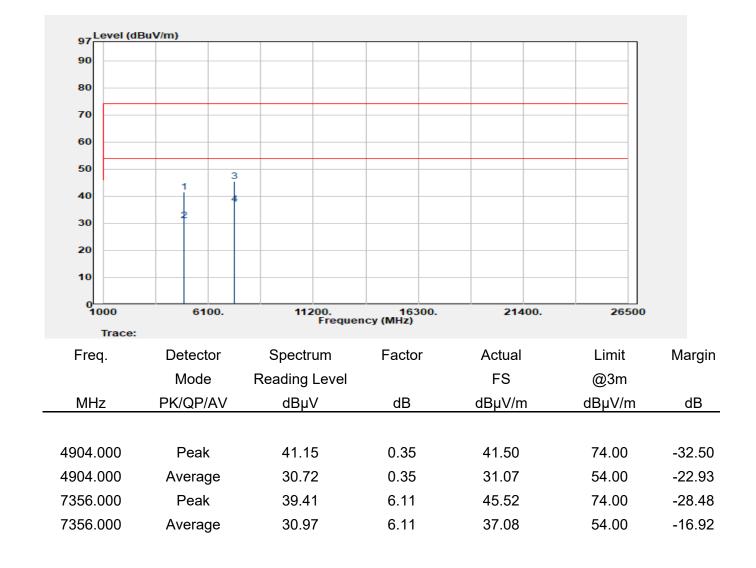
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Report No.: TERF2310002626ER Page: 219 of 261



Report Number : TERF2310002626ER Operation Mode :802.11n40 Test Frequency :2452 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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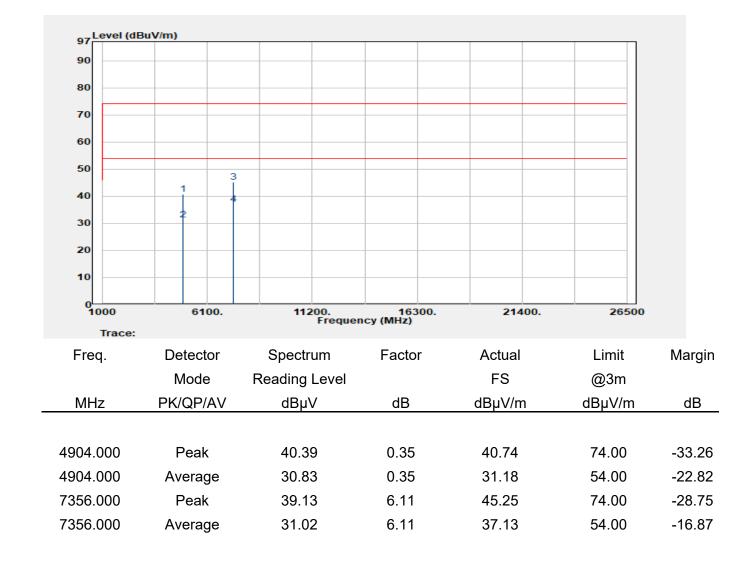
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Report Number : TERF2310002626ER Operation Mode :802.11n40 Test Frequency :2452 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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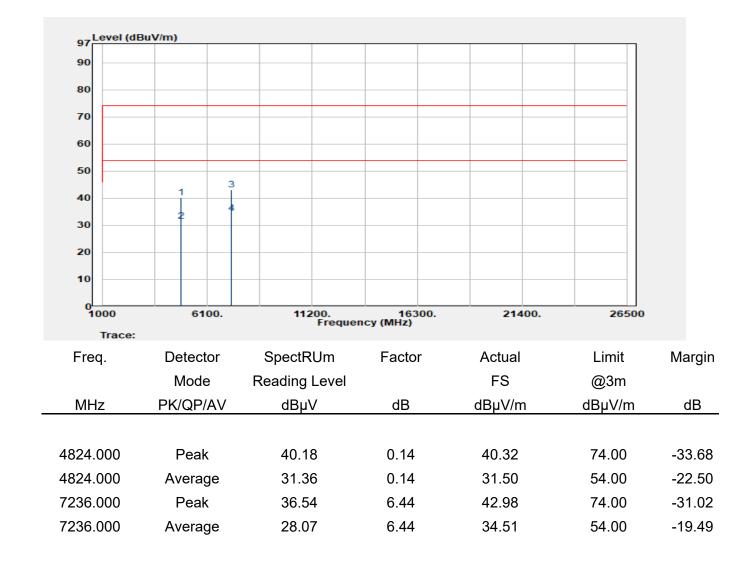
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2412 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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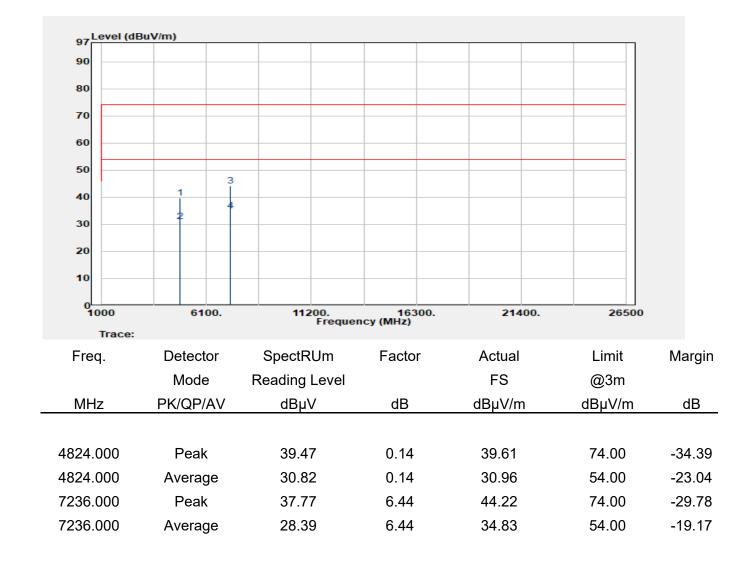
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Report No.: TERF2310002626ER Page: 222 of 261



Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2412 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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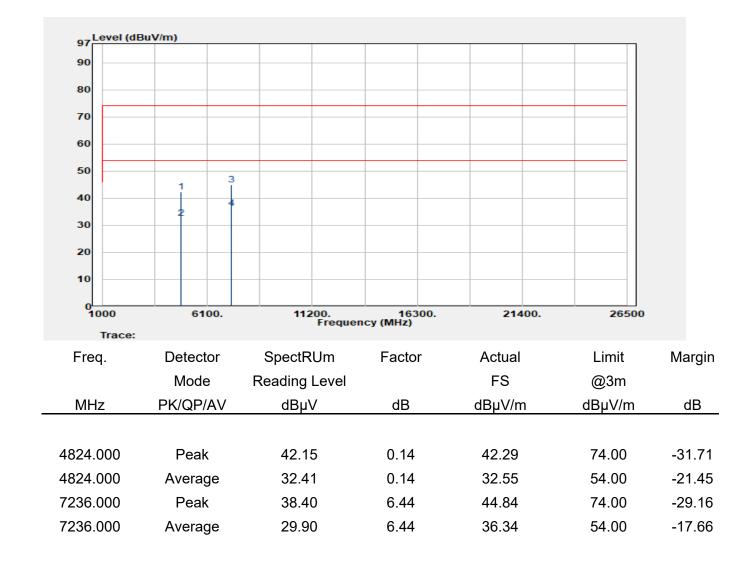
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 26/0 Test Frequency :2412 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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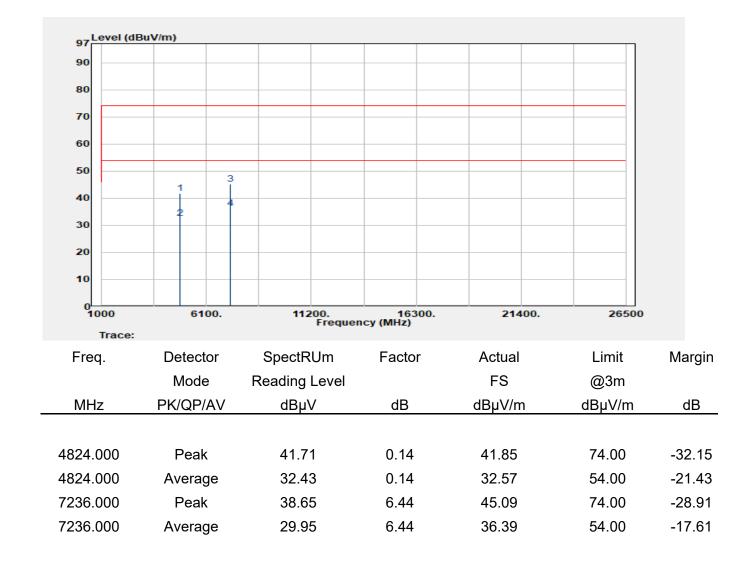
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 26/0 Test Frequency :2412 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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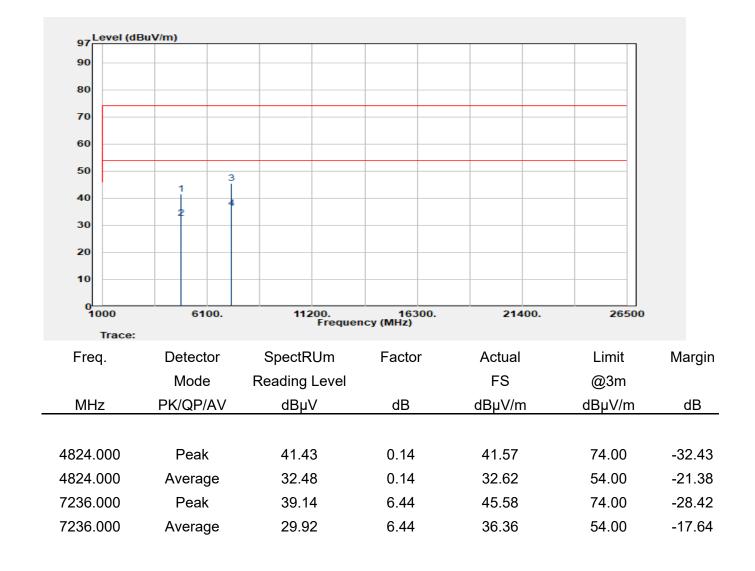
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 52/37 Test Frequency :2412 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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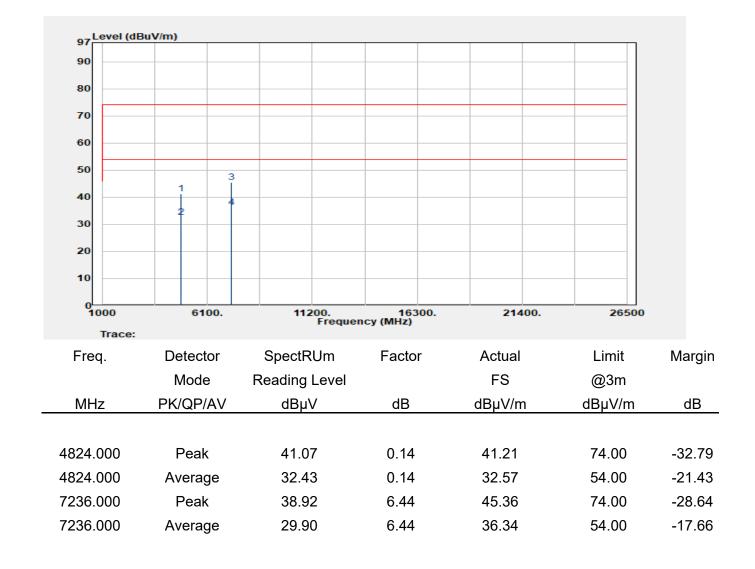
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 52/37 Test Frequency :2412 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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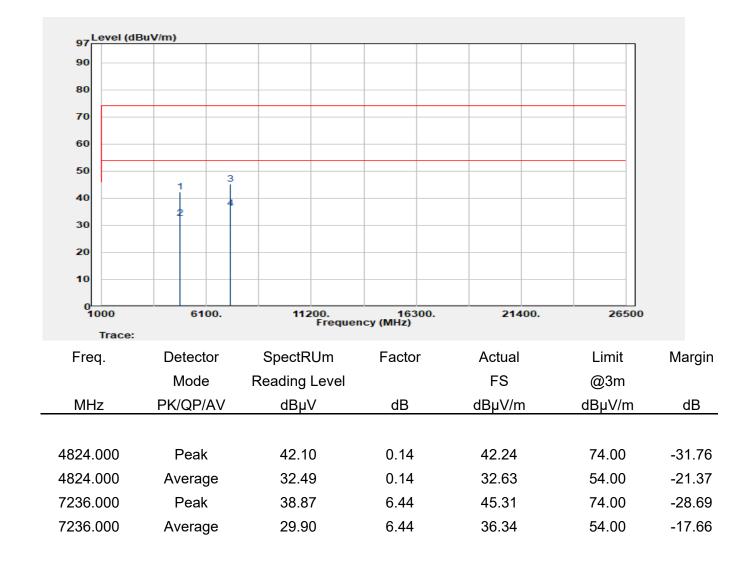
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 106/53 Test Frequency :2412 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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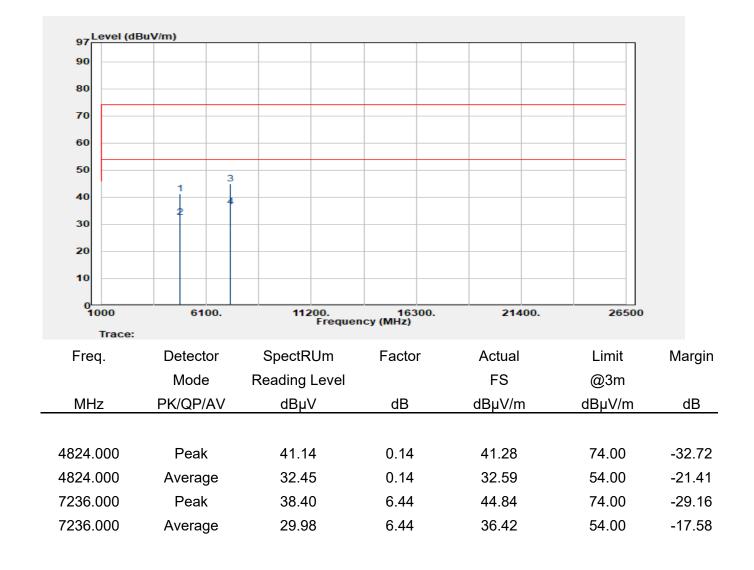
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Report No.: TERF2310002626ER Page: 228 of 261



Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 106/53 Test Frequency :2412 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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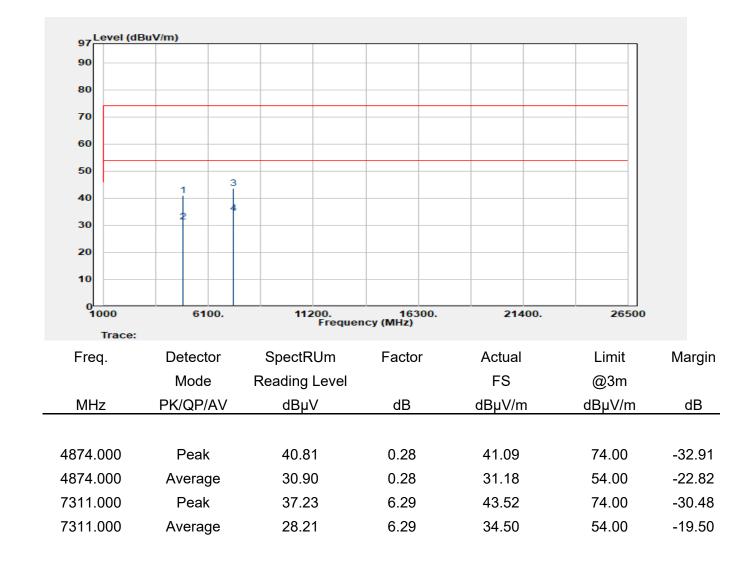
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2437 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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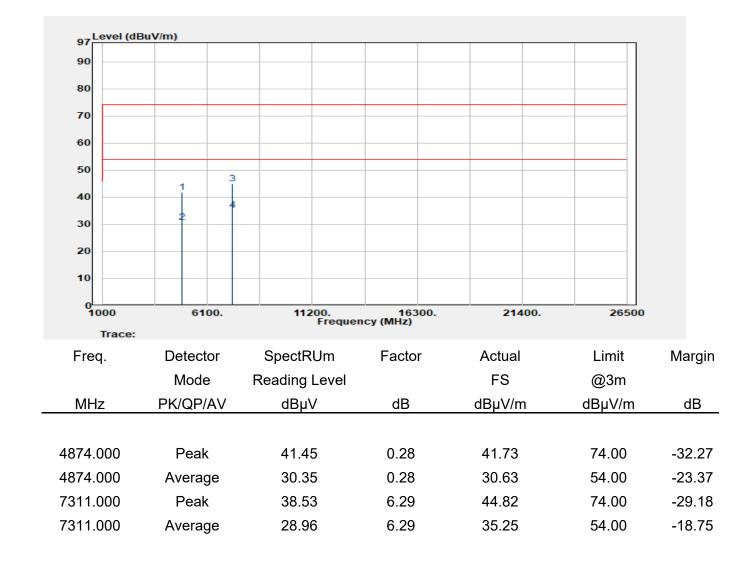
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2437 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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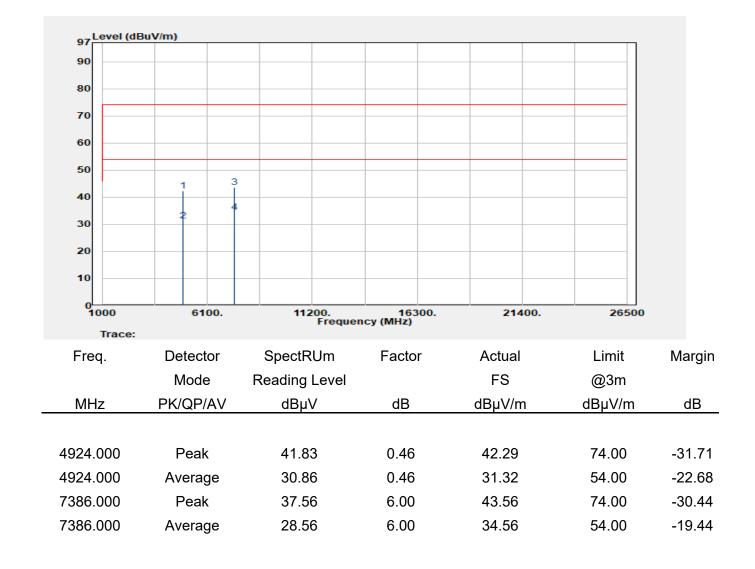
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2462 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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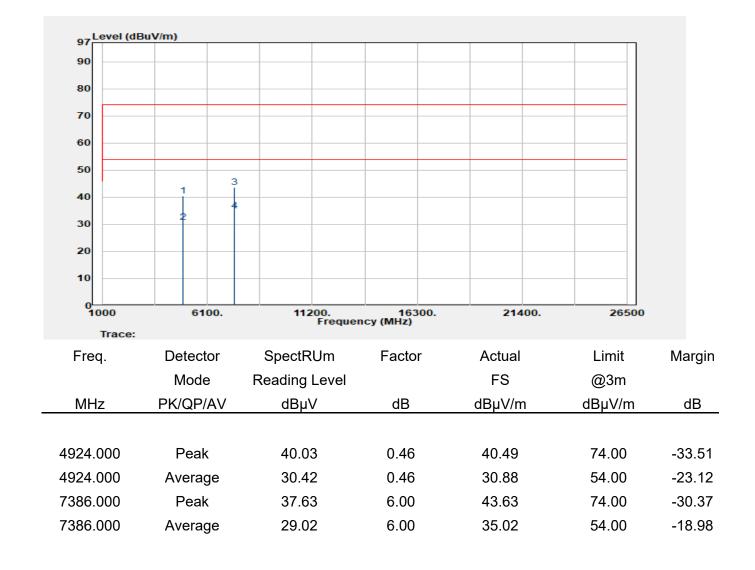
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU full Test Frequency :2462 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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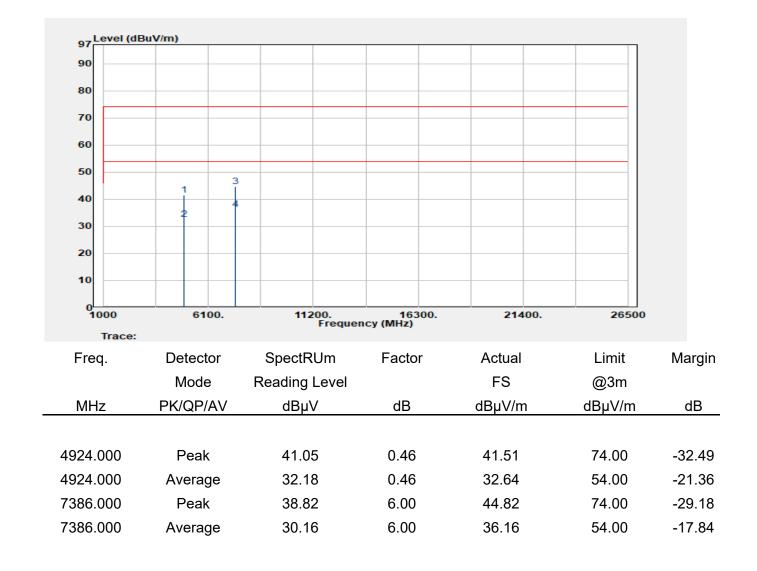
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 26/8 Test Frequency :2462 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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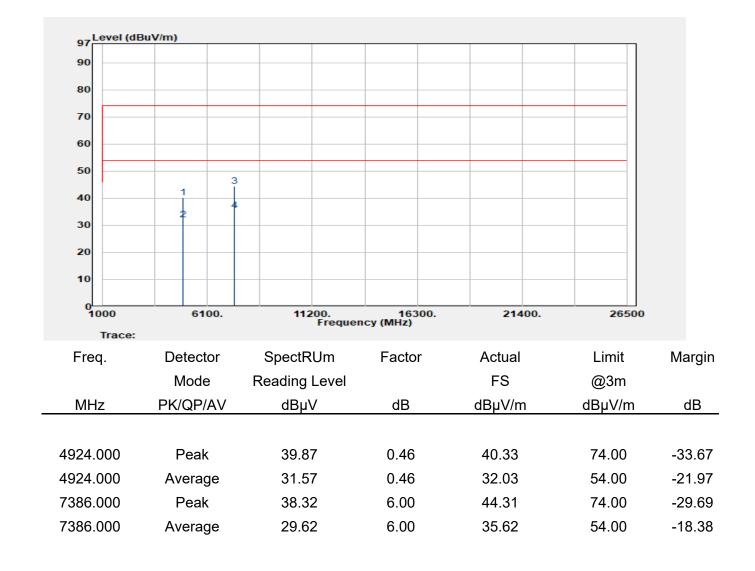
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Report No.: TERF2310002626ER Page: 234 of 261



Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 26/8 Test Frequency :2462 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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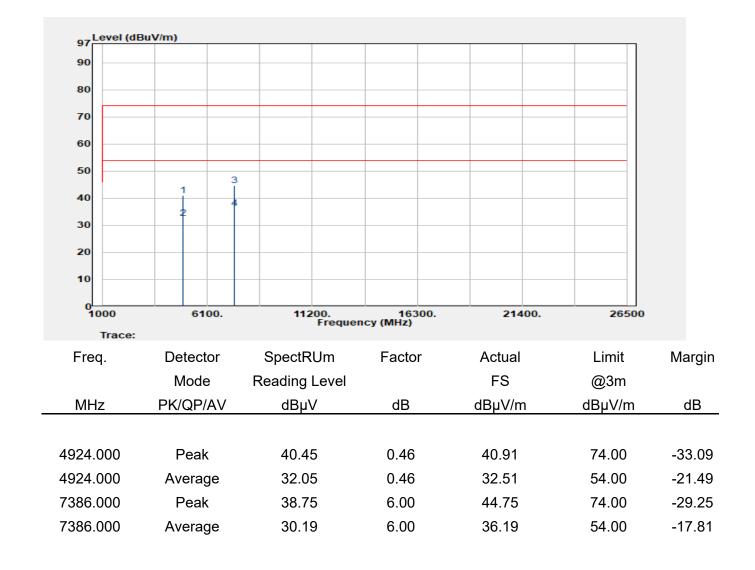
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Report No.: TERF2310002626ER Page: 235 of 261



Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 52/40 Test Frequency :2462 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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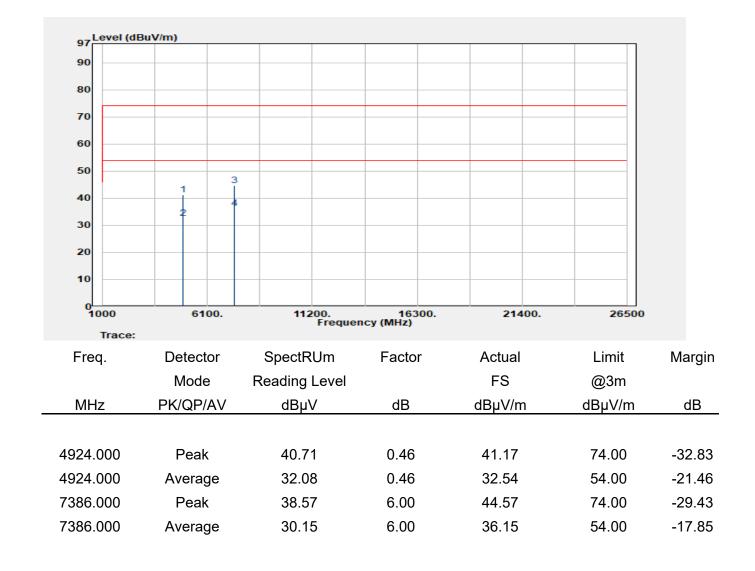
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 52/40 Test Frequency :2462 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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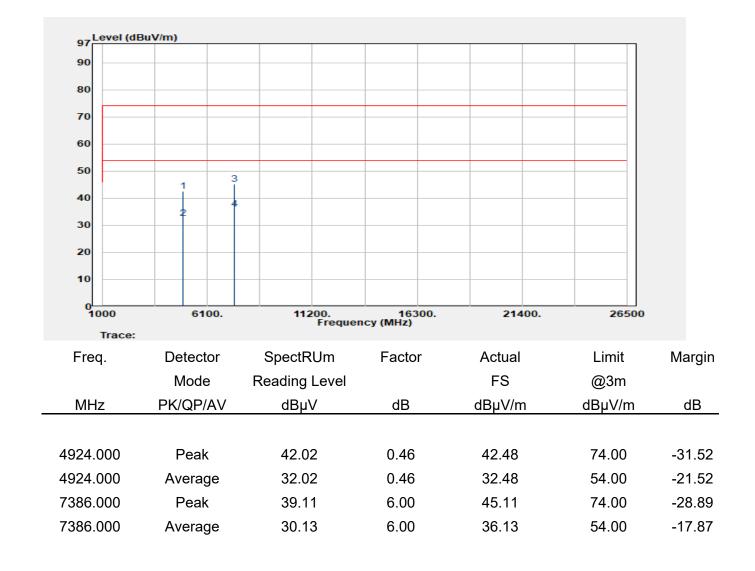
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 106/54 Test Frequency :2462 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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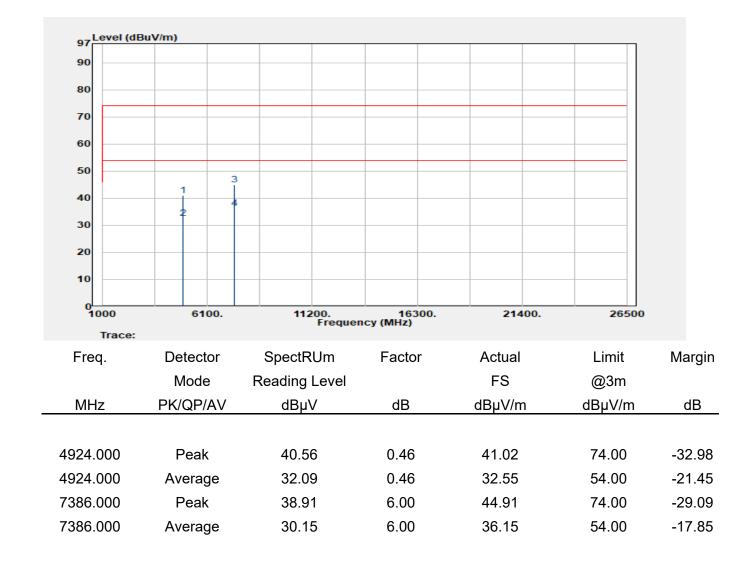
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Report Number : TERF2310002626ER Operation Mode :802.11ax20 RU 106/54 Test Frequency :2462 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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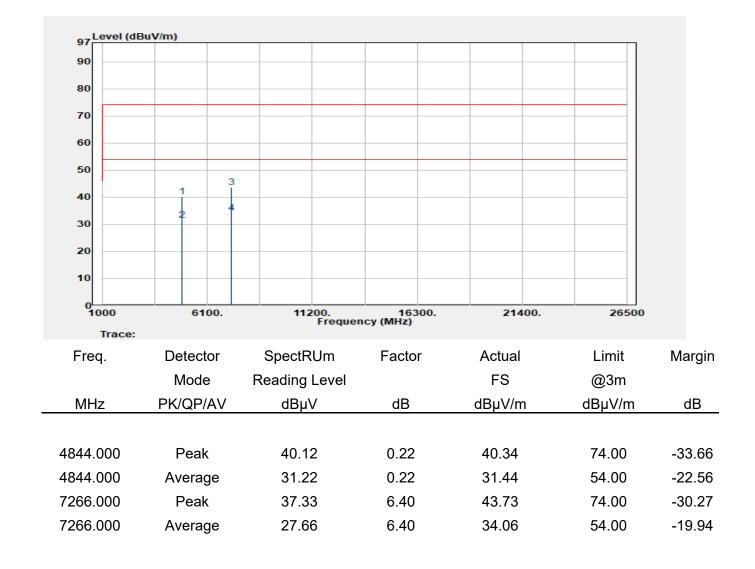
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2422 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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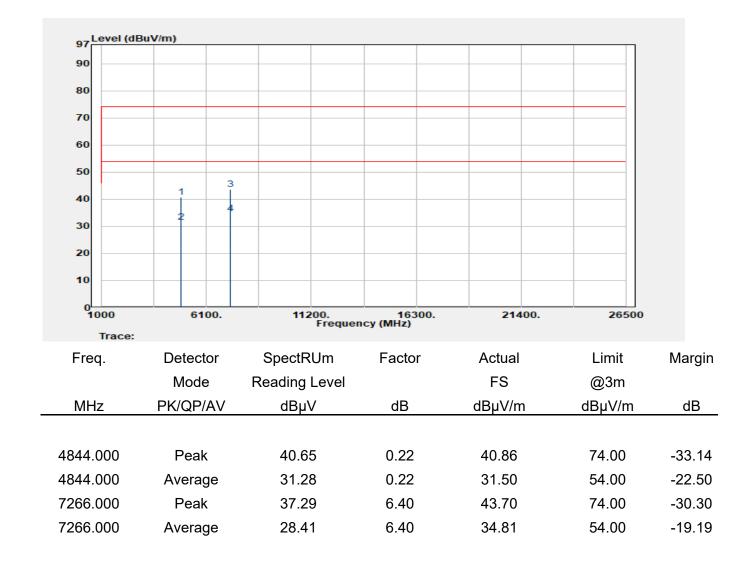
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2422 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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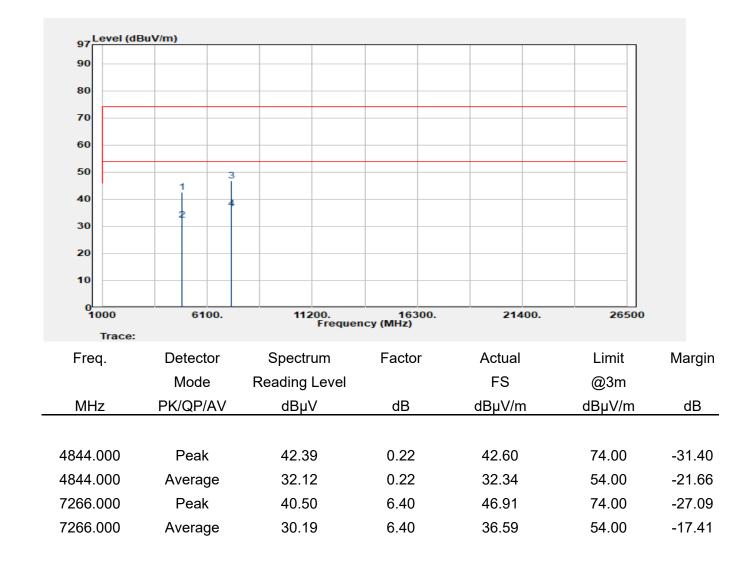
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU 242/61 Test Frequency :2422 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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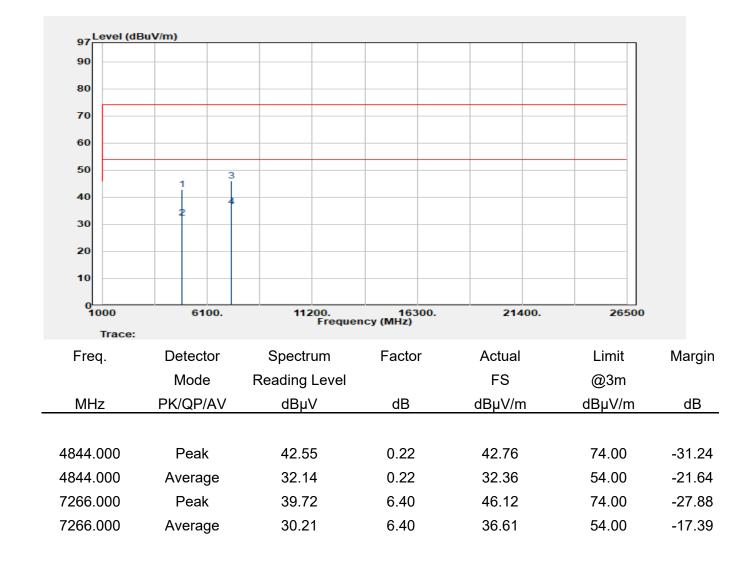
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU 242/61 Test Frequency :2422 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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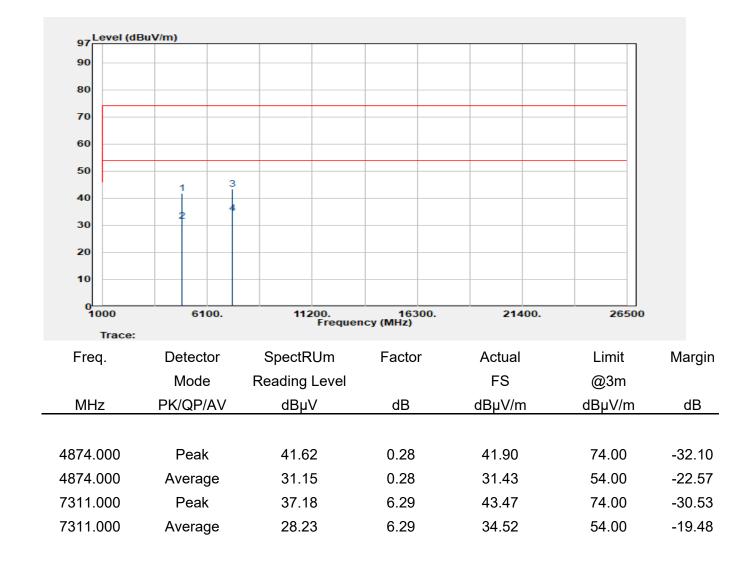
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2437 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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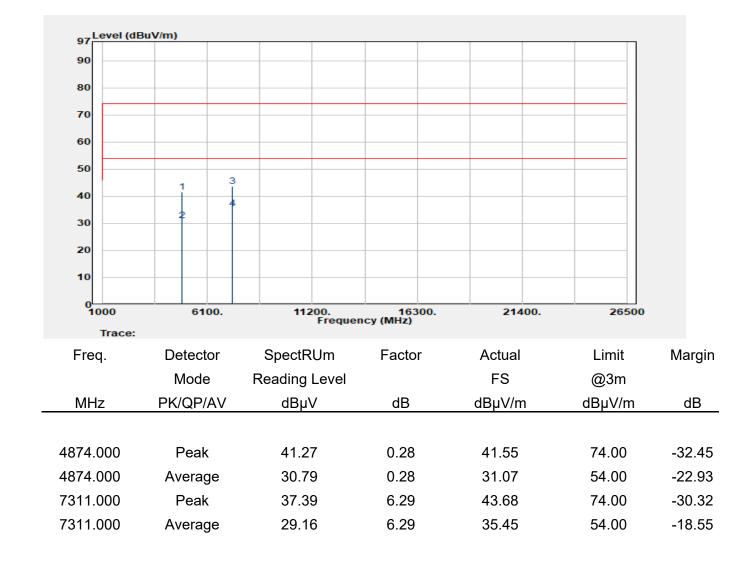
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2437 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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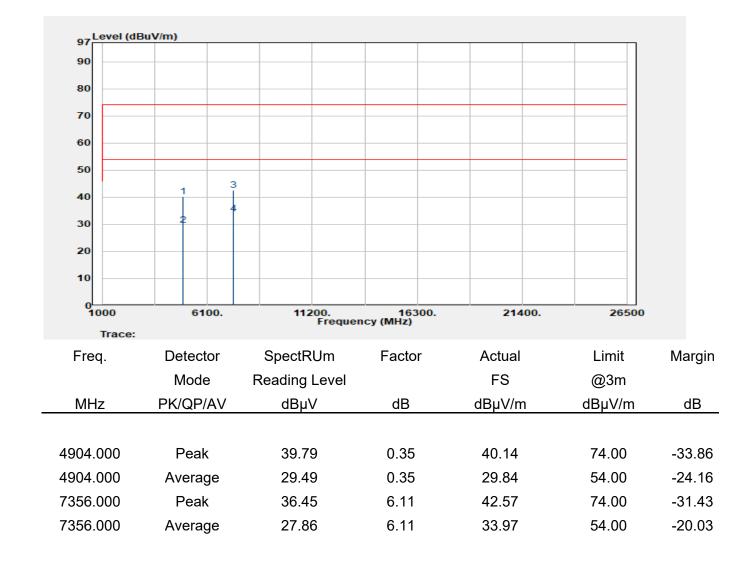
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Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2452 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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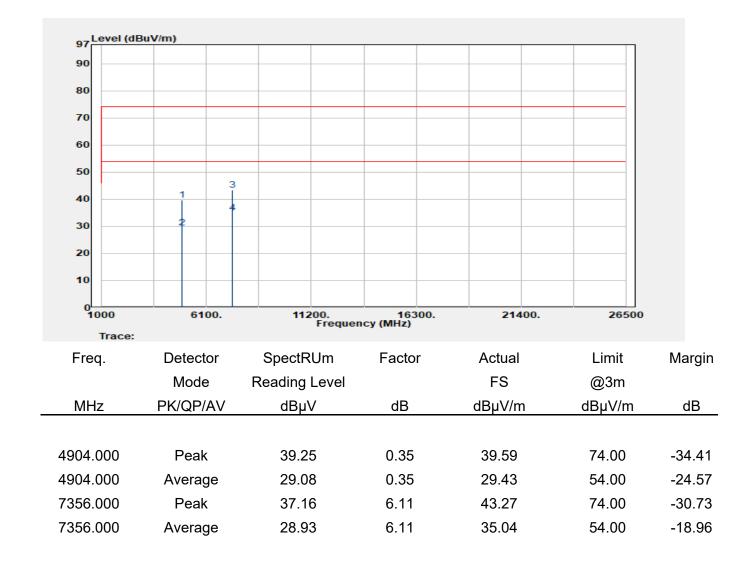
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Report No.: TERF2310002626ER Page: 246 of 261



Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU full Test Frequency :2452 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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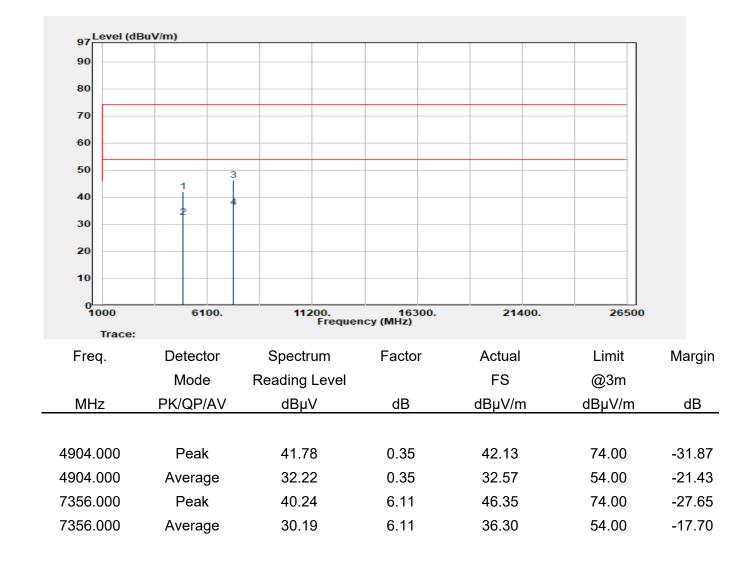
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Report No.: TERF2310002626ER Page: 247 of 261



Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU 242/62 Test Frequency :2452 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Vertical Engineer :Nick Lin



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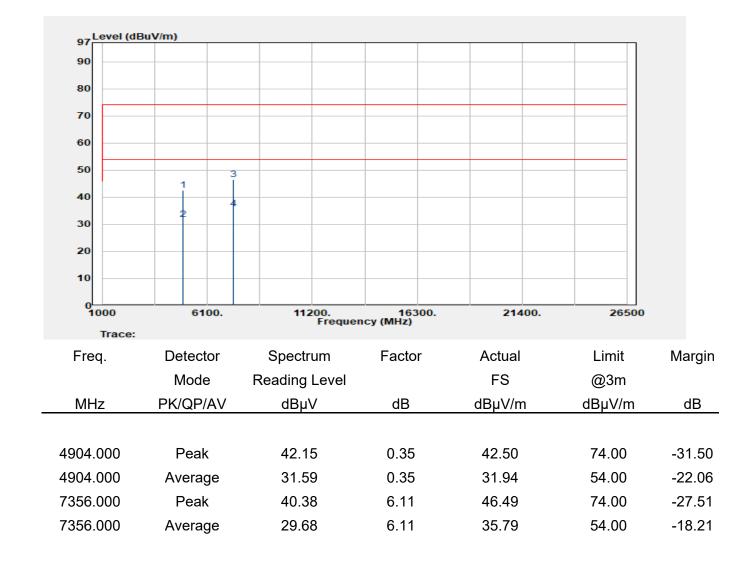
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Report No.: TERF2310002626ER Page: 248 of 261



Report Number : TERF2310002626ER Operation Mode :802.11ax40 RU 242/62 Test Frequency :2452 MHz Test Mode :Tx EUT Pol :H Plane

Test Site :SAC 3 Test Date :2023-11-01 Temp./Humi. :23.2°C/64% Antenna Pol. :Horizontal Engineer :Nick Lin



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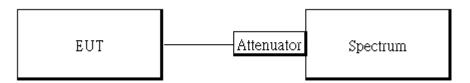
# **12 POWER SPECTRAL DENSITY**

## 12.1 Standard Applicable

Per Part 15.247 (e) & RSS-247 section 5.2 b

The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

### 12.2 Test Setup



#### 12.3 Measurement Procedure

- 1. Set analyzer center frequency to DTS channel center frequency.
- 2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
- 3. Set the span to 1.5 times the DTS channel bandwidth.
- 4. Set the RBW = 3 kHz & VBW = 10 kHz.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level.

#### Note:

For the test of MIMO mode, the highest emission of worst case employing Measure and add 10 log (N) technical is reported on this report after the comparison between Main Antenna at single transmitting mode and Aux that yields the higher value. The MIMO transmitting mode produces higher value of outcome.

# 12.4 As per FCC KDB 662911 D01

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

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• DirectionalGain = 
$$10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

 $g_{j,k} = /20$  10Gk if the kth antenna is being fed by spatial stream j, or zero if it is not;

 $G_k$  is the gain in dBi of the kth antenna.

The antenna gain is not greater than 6 dBi. Therefore, reduction of power is not required.

#### Power spectral density 12.5

POWER DENSITY 802.11b							
Freq.	WLAN1	WLAN2	PSD	Limit	Result		
(MHz)	PSD	PSD	(dBm/3kHz)	(dBm/3kHz)	Result		
2412	-5.42	-4.94	-2.16	8.00	PASS		
2437	-6.02	-5.45	-2.72	8.00	PASS		
2462	-6.33	-5.46	-2.86	8.00	PASS		

POWER DENSITY 802.11g							
Freq.	WLAN1	WLAN2	PSD	Limit	Result		
(MHz)	PSD	PSD	(dBm/3kHz)	(dBm/3kHz)			
2412	-15.97	-14.38	-12.09	8.00	PASS		
2437	-12.96	-11.61	-9.22	8.00	PASS		
2462	-15.16	-14.97	-12.05	8.00	PASS		

POWER DENSITY 802.11n HT20							
Freq.	WLAN1	WLAN2	PSD	Limit	Result		
(MHz)	PSD	PSD	(dBm/3kHz)	(dBm/3kHz)			
2412	-15.78	-13.78	-11.66	8.00	PASS		
2437	-13.44	-11.65	-9.44	8.00	PASS		
2462	-16.13	-13.81	-11.81	8.00	PASS		

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POWER DENSITY 802.11n HT40							
Freq.	WLAN1	WLAN2	PSD	Limit	Result		
(MHz)	PSD	PSD	(dBm/3kHz)	(dBm/3kHz)			
2422	-20.73	-19.34	-16.97	8.00	PASS		
2437	-16.76	-15.25	-12.93	8.00	PASS		
2452	-18.93	-17.51	-15.15	8.00	PASS		

POWER DENSITY 802.11ax HE20							
Freq.	RU Config	WLAN1	WLAN2	PSD	Limit	Result	
(MHz)	RU CUIIIIY	PSD	PSD	(dBm/3kHz)	(dBm/3kHz)	Result	
	full	-16.71	-15.18	-12.87	8.00	PASS	
2412	26/0	-10.99	-8.83	-6.77	8.00	PASS	
	52/37	-12.05	-11.33	-8.66	8.00	PASS	
	106/53	-15.43	-14.83	-12.11	8.00	PASS	
2437	full	-13.35	-12.32	-9.79	8.00	PASS	
2462	full	-16.23	-15.73	-12.96	8.00	PASS	
	26/8	-8.98	-8.47	-5.71	8.00	PASS	
	52/40	-13.00	-12.12	-9.53	8.00	PASS	
	106/54	-15.31	-14.28	-11.75	8.00	PASS	

POWER DENSITY 802.11ax HE40								
Freq.	RU Config	WLAN1	WLAN2	PSD	Limit	Result		
(MHz)	RU CUTIIIY	PSD	PSD	(dBm/3kHz)	(dBm/3kHz)	NESUI		
2422	full	-21.33	-20.19	-17.71	8.00	PASS		
2422	242/61	-19.08	-18.71	-15.88	8.00	PASS		
2437	full	-18.02	-14.77	-13.09	8.00	PASS		
2452	full	-18.83	-17.98	-15.37	8.00	PASS		
	242/62	-19.13	-16.79	-14.79	8.00	PASS		

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