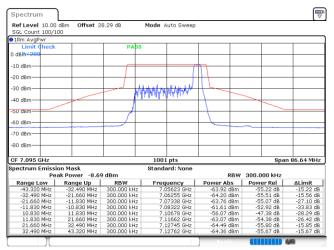


Plot on Channel 7095 MHz



Date: 7.SEP.2023 17:11:35



Span 86.72 MHz

-12.95 dB -13.17 dB -24.64 dB -25.49 dB -31.60 dB -24.03 dB -12.50 dB -12.34 dB

RBW_ 300.000 kHz

 RBW
 300.000 kHz

 Power Abs
 Power Rel

 61.70 dBm
 -52.95 dB

 61.60 dBm
 -52.93 dB

 61.36 dBm
 -52.63 dB

 53.43 dBm
 -44.58 dB

 -60.76 dBm
 -52.00 dB

 -61.24 dBm
 -52.42 dB

 -60.76 dBm
 -52.24 dB

 -61.10 dBm
 -52.44 dB

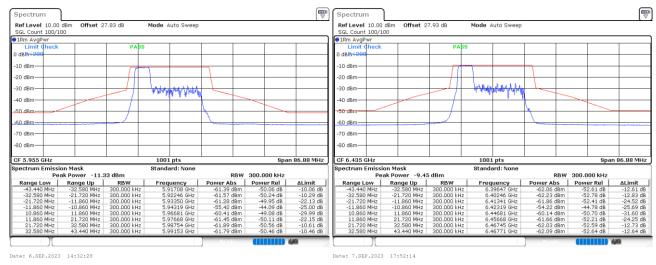


EUT Mode

802.11ax HE20 52RU37



Plot on Channel 6435 MHz



Plot on Channel 6535 MHz

Plot on Channel 6895 MHz

Mode Auto Sweep

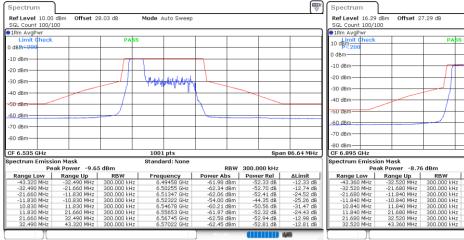
1001 pts

Standard: No

Frequency 4 96174 GH

5.86174 GHz 5.86270 GHz 5.87336 GHz 5.88321 GHz 5.90679 GHz 5.91664 GHz 5.92748 GHz 5.92860 GHz

-



Date: 8.SEP.2023 10:10:18

Date: 6.DEC.2023 16:27:14

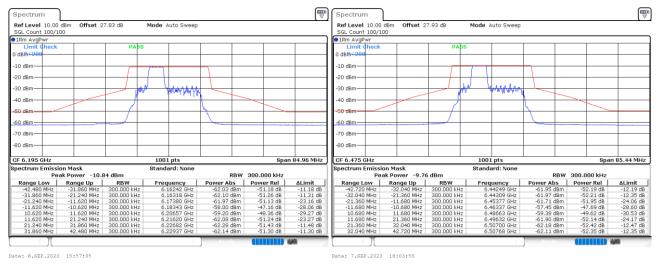




802.11ax HE20 52RU38



Plot on Channel 6475 MHz

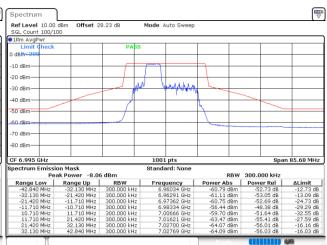


Plot on Channel 6695 MHz

₽ Ref Level 10.00 dBm SGL Count 100/100 Offset 28.03 dB Mode Auto Sweep SGL Count 10 IRm AvgPwr Limit ¢he PASS o dBR<2 -10 dBm--20 dBm--30 dBmwww. -40 dBm 50 dBm -60 dBm--70 dBm--80 dBm-CF 6.695 GHz 1001 pt 87.84 MH pectrum Emission Mask Peak Power pectrum Emission Mask Peak Power 9-9.94 dBm Range Low Range Up RBW -43.920 MHz -32.940 MHz 300.000 kHz -22.940 MHz -21.960 MHz 300.000 kHz -21.960 MHz -11.980 MHz 300.000 kHz -11.980 MHz -10.980 MHz 300.000 kHz -12.980 MHz -10.980 MHz 300.000 kHz -21.960 MHz 22.940 MHz 300.000 kHz -21.980 MHz 22.940 MHz 300.000 kHz -22.940 MHz 43.920 MHz 300.000 kHz RBW 300.000 kHz Abs Power Rel 98 dBm -52.04 dB Frequency 666079 GH Power Limit -12.05 dB -12.22 dB -23.92 dB -29.95 dB -31.16 dB -23.89 dB -12.10 dB -12.10 dB -11.87 dB 5.66079 GHz 5.66210 GHz 5.67308 GHz 5.68307 GHz 5.70693 GHz 5.71692 GHz 5.72772 GHz 5.72904 GHz -61 -62 -61 -52.04 dB -52.17 dB -51.89 dB -49.04 dB -50.25 dB -51.85 dB -51.85 dB -51.86 dB -51.87 dB -60 -61 -61 dBm .80 dBm

Date: 8.SEP.2023 10:20:51

Plot on Channel 6995 MHz



Date: 8.SEP.2023 11:13:17



Spa

-12.16 dB -12.40 dB -23.86 dB -30.44 dB -25.77 dB -23.72 dB -11.98 dB -11.81 dB

RBW_ 300.000 kHz

-52.16 -52.35 -51.82 -49.53 -44.86 -51.69 -51.93 -51.81 16 dB 35 dB 82 dB 53 dB 86 dB 69 dB 93 dB 81 dB

-61.95 dBm -52.16 dB

-61.95 dBm -62.13 dBm -61.61 dBm -59.31 dBm -54.65 dBm -61.47 dBm -61.72 dBm -61.59 dBm

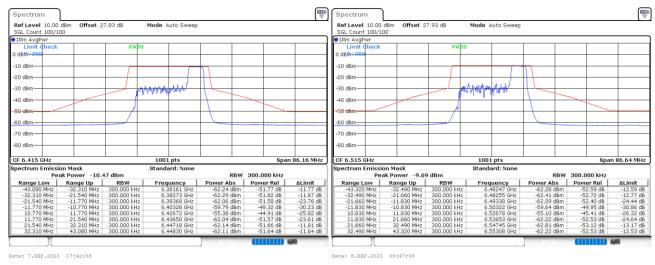


EUT Mode

802.11ax HE20 52RU40



Plot on Channel 6515 MHz



Plot on Channel 6855 MHz

Plot on Channel 6875 MHz

Mode Auto Sweep

PAS

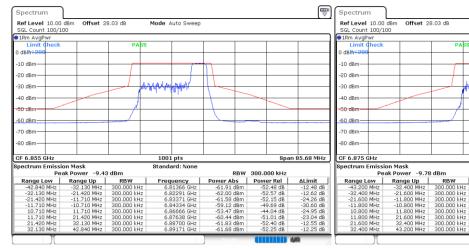
<mark>┟_╈╗┩╣</sub>┥</mark>╝

1001 pts

Standard: No

Frequency 4 94221 GH

6.84221 GHz 5.84264 GHz 5.85344 GHz 5.86325 GHz 5.88675 GHz 5.89656 GHz 5.90736 GHz 5.91729 GHz

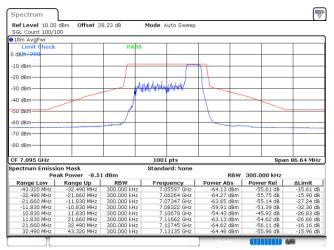


Date: 8.SEP.2023 10:49:06

Date: 8.SEP.2023 11:04:14



Plot on Channel 7095 MHz



Date: 8.SEP.2023 11:29:02

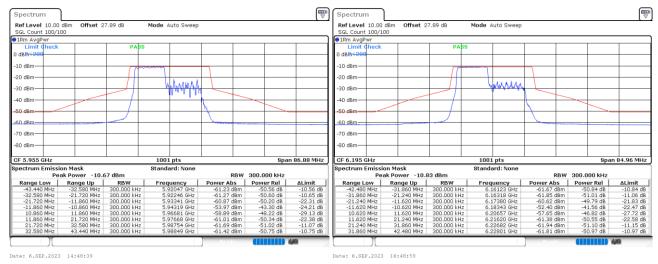




802.11ax HE20 106RU53



Plot on Channel 6195 MHz

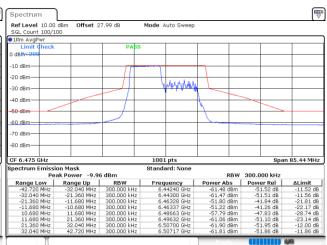


Plot on Channel 6435 MHz

₽ Ref Level 10.00 dBm SGL Count 100/100 Offset 27.99 dB Mode Auto Sweep SGL Count 10 IRm AvgPwr Limit ¢he PASS o dBR<2 -10 dBm--20 dBm-Month -30 dBm--40 dBm-50 dBm -60 dBm--70 dBm--80 dBm-CF 6.435 GHz F 6.435 GHz beck Power -9.65 dBm Ronge Up BW 22.560 MHz -0.000 MHz -0.200 MHz -0.000 MHz -0.200 MHz -0.000 MHz 11.860 MHz -0.000 MHz -0.000 MHz -0.200 MHz -0.000 MHz -0.000 MHz -0.200 MHz -0.000 MHz 1001 pt .88 MH Standard: RBW 300.000 kHz Abs Power Rel 4 dBm -51.99 dB Frequency Power △Limit -11.99 dB -12.14 dB -23.51 dB -23.92 dB -29.69 dB -23.78 dB -12.31 dB -12.15 dB -61.64 dBm -61.65 dBm -52.66 dBm -58.43 dBm -61.40 dBm -61.82 dBm -61.80 dBm 5.40238 GHz 5.40255 GHz 5.41341 GHz 5.42319 GHz 5.44681 GHz 5.45668 GHz 5.46745 GHz 5.46893 GHz -51.99 dB -52.00 dB -51.41 dB -43.01 dB -48.79 dB -51.75 dB -52.17 dB -52.15 dB

Date: 14.SEP.2023 16:22:23

Plot on Channel 6475 MHz



Date: 14.SEP.2023 16:37:13

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www

37.84 MH

ALimit -11.46 dB -11.62 dB -23.05 dB -24.40 dB -29.56 dB -22.77 dB -11.33 dB -11.19 dB

Span

300.000 kHz

Power Rel -51.46 dB -51.48 dB -51.48 dB -50.95 dB -43.49 dB -48.65 dB -50.66 dB

-51.19 dB -51.19 dB

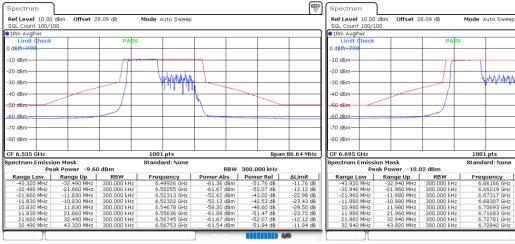
RBW

Power Abs -61.48 dBn

-61.48 dBm -61.49 dBm -53.50 dBm -58.67 dBm -60.68 dBm -61.20 dBm -61.20 dBm



Plot on Channel 6535 MHz



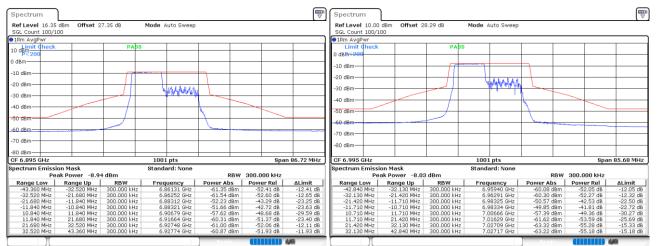
Date: 14.SEP.2023 17:19:46

Plot on Channel 6895 MHz

Date: 14.SEP.2023 17:29:14

Plot on Channel 6995 MHz

Plot on Channel 6695 MHz



Date: 6.DEC.2023 16:37:56

Date: 15.SEP.2023 10:49:53

TEL: 886-3-327-0868
FAX: 886-3-327-0855
Report Template No.: BU5-FR15EWLAC MA Version 1.0.0

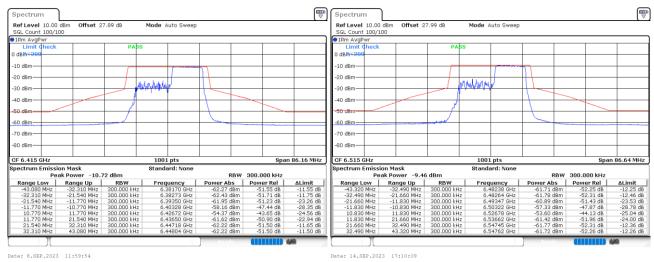




802.11ax HE20 106RU54



Plot on Channel 6515 MHz

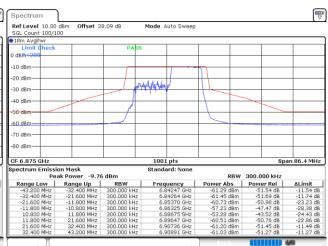


Plot on Channel 6855 MHz

₽ Ref Level 10.00 dBm SGL Count 100/100 Offset 28.09 dB Mode Auto Sweep SGL Count 10 IRm AvgPwr Limit ¢he PASS o dBR<2 -10 dBm--20 dBm-AN/AM -30 dBm--40 dBm-50 dBm -60 dBm--70 dBm--80 dBm-CF 6.855 GHz F 6.855 GHz beck Power 9.77 dBm Ronge Low Ronge Low Ronge Low Ronge Low 20100 800.000 Hz 300.000 Hz -22,130 Hz -31,200 Hz 300.000 Hz -24,240 Hz -11,710 Hz 300.000 Hz -11,710 Hz -10,710 Hz 300.000 Hz 11,710 Hz -14,720 Hz 300.000 Hz 21,120 Hz 21,300 Hz 300.000 Hz 21,420 Hz 21,300 Hz 300.000 Hz 1001 pt 35.68 MH RBW 300.000 kHz Abs Power Rel 37 dBm -51.60 dB 31 dBm -51.54 dB 66 dBm -46.89 dB 55 dBm -46.89 dB 35 dBm -50.06 dB 36 dBm -50.06 dB 36 dBm -51.59 dB 12 dBm -51.35 dB Frequency Powe △Limit -11.60 dB -11.68 dB -23.22 dB -27.80 dB -23.68 dB -22.16 dB -11.64 dB -11.35 dB 5.82094 GHz 5.82300 GHz 5.83362 GHz 5.84334 GHz 5.86666 GHz 5.86666 GHz 5.87629 GHz 5.88709 GHz 5.89017 GHz -61.37 dBm -61.31 dBm -60.96 dBm -56.66 dBm -52.55 dBm -59.83 dBm -61.36 dBm

Date: 14.SEP.2023 17:52:05

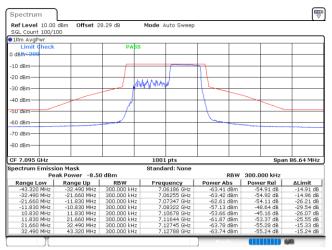
Plot on Channel 6875 MHz



Date: 15.SEP.2023 10:27:11



Plot on Channel 7095 MHz



Date: 15.SEP.2023 11:09:41



-11.47 dB -11.41 dB -22.19 dB -25.63 dB -26.91 dB -22.23 dB -11.67 dB -11.56 dB

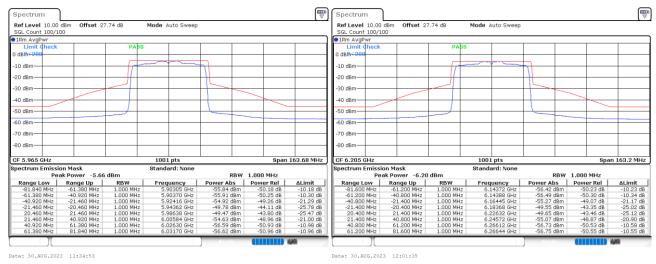


EUT Mode

802.11ax HE40 Full RU

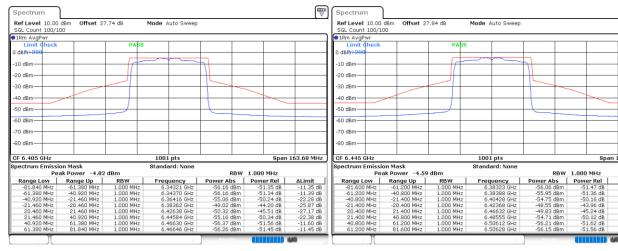


Plot on Channel 6205 MHz



Plot on Channel 6405 MHz

Plot on Channel 6445 MHz



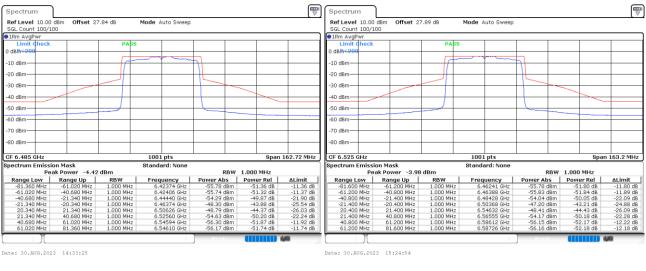
Date: 30.AUG.2023 13:51:44

Date: 30.AUG.2023 14:20:33

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Plot on Channel 6485 MHz



Plot on Channel 6525 MHz

Plot on Channel 6685 MHz

Plot on Channel 6565 MHz

Spectrum Spectrum Ref Level 10.00 dBm SGL Count 100/100 P1Rm AvgPwr Limit ¢heck Offset 27.94 dB Mode Auto Swee Ref Level 10.00 dBm SGL Count 100/100 Offset 27.94 dB Mode Auto Sweet SGL Count 100/: 1Rm AvgPwr Limit Check) dBM -10 dBm--10 dBm--20 dBm--20 dBm--30 dBm--30 dBm--40 dBm-40 dBm -50 dBm 50 dBm -60 dBm 60 dBm -70 dBm 70 dBm -80 dBm-80 dBm-CF 6.565 GHz CF 6.685 GHz 1001 pts 1001 pts Span pectrum Emission Mask Peak Power Pectrum Emission Mask Peak Powe dard: N rd: N RBW 1.000 MHz 1.000 MHz -4.20 dBm -4.64 dBm RBW Range Up c -61.200 MHz z -40.800 MHz z -21.400 MHz z 40.800 MHz z 40.800 MHz z 61.200 MHz z 81.600 MHz Range Low ALimit -11.58 dB -11.68 dB -22.41 dB -25.77 dB -26.74 dB -22.37 dB -11.77 dB -11.76 dB RBW 1.000 MHz Frequency -55.78 dBm -51.58 dB -81.360 MH Range Up -61.020 MH Frequency 6.62357 GH -55.88 dBm Power Rel -51.24 de -61.020 MHz -40.680 MHz -21.340 MHz -20.340 MHz 21.340 MHz 40.680 MHz 61.020 MHz 81.360 MHz -51.24 dB -51.32 dB -49.60 dB -43.48 dB -44.06 dB -49.54 dB -51.06 dB -51.03 dB .24 dB .37 dB .70 dB .14 dB .73 dB .64 dB .11 dB .03 dB -81.600 MHz -61.200 MHz -40.800 MHz -21.400 MHz 20.400 MHz 21.400 MHz 40.800 MHz 61.200 MHz .000 MHz 50372 GHz 50388 GHz 52428 GHz 54368 GHz 58632 GHz 58632 GHz 560572 GHz 562612 GHz 562775 GHz -55.78 dBm -55.84 dBm -54.58 dBm -49.28 dBm -54.54 dBm -54.54 dBm -55.93 dBm -55.96 dBm -51.58 dB -51.63 dB -50.38 dB -44.11 dB -45.08 dB -50.34 dB -51.72 dB -51.76 dB -81.360 MHz -61.020 MHz -40.680 MHz -21.340 MHz 20.340 MHz 21.340 MHz 40.680 MHz 61.020 MHz .000 MHz 5.62357 GHz 5.62406 GHz 5.64457 GHz 5.66374 GHz 5.70626 GHz 5.72543 GHz 5.74594 GHz 5.74610 GHz -55.88 dBm -55.96 dBm -54.24 dBm -48.12 dBm -48.70 dBm -54.18 dBm -55.71 dBm -55.67 dBm -11 -21 -25 -25 -21 -11

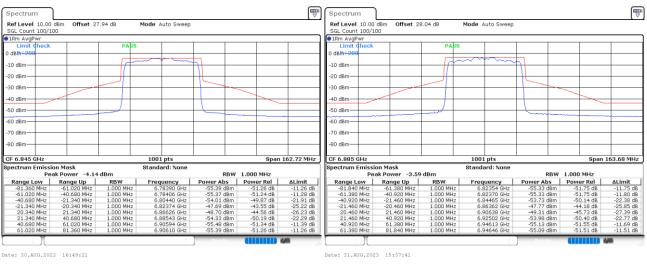
Date: 30.AUG.2023 15:56:02

Date: 30.AUG.2023 17:27:48

TEL: 886-3-327-0868
FAX: 886-3-327-0855
Report Template No.: BU5-FR15EWLAC MA Version 1.0.0



Plot on Channel 6845 MHz



Plot on Channel 6885 MHz

Plot on Channel 6925 MHz

Plot on Channel 7005 MHz Spectrum Spectrum Ref Level 16.09 dBm SGL Count 100/100 IRm AvgPwr 10 dbimit check p<200 Offset 27.09 dB Mode Auto Swee Ref Level 10.00 dBm SGL Count 100/100 Offset 28.14 dB Mode Auto Sweet SGL Count 100/: 91Rm AvgPwr Limit Check PAS) dBM 0 dBm--10 dBm--10 dBm--20 dBm--20 dBm-30 dBm--30 dBm-40 dBm--40 dBm-50 dBm--50 dBm--60 dBm -60 dBm-70 dBm -70 dBm-80 dBman dam CF 6.925 GHz Span 163.2 MHz CF 7.005 GHz 1001 pts 1001 pts Span : pectrum Emission Mask Peak Power pectrum Emission Mask Peak Power rd: N -2.67 dBm 1.000 MHz -3.09 dBm 1.000 MHz RBW RBW Range Up c -61.200 MHz z -40.800 MHz z -21.400 MHz z 40.800 MHz z 61.200 MHz z 81.600 MHz Frequency Power Rel -51.59 dB -51.59 dB -49.56 dB -45.53 dB -45.53 dB -51.91 dB -54.55 dB -54.53 dB Range Low Frequency ALimit -12.60 dB -22.65 dB -21.94 dB -25.41 dB -26.92 dB -22.83 dB -12.73 dB -13.42 dB -55.27 dBm -52.60 d Range Low -81.360 MH Range Up -61.020 MH -54.68 dBm ΔLimit -11.59 dB -11.64 dB -21.60 dB -25.28 dB -27.20 dB -24.29 dB -14.60 dB -14.53 dB -61.020 MHz -40.680 MHz -21.340 MHz -20.340 MHz 21.340 MHz 40.680 MHz 61.020 MHz 81.360 MHz -54.68 dBm -54.68 dBm -52.65 dBm -46.70 dBm -48.62 dBm -55.00 dBm -57.64 dBm -57.62 dBm -81.600 MHz -61.200 MHz -40.800 MHz -21.400 MHz 20.400 MHz 21.400 MHz 40.800 MHz 61.200 MHz .000 MHz 5.86307 GHz 5.86388 GHz 5.88428 GHz 5.90368 GHz 5.90368 GHz 5.94632 GHz 5.94632 GHz 5.98612 GHz 5.98612 GHz -55.27 dBm -55.27 dBm -52.57 dBm -46.41 dBm -47.92 dBm -53.47 dBm -55.35 dBm -56.09 dBm -52.60 dB -52.60 dB -49.90 dB -43.74 dB -45.25 dB -50.80 dB -52.68 dB -53.42 dB -81.360 MHz -61.020 MHz -40.680 MHz -21.340 MHz 20.340 MHz 21.340 MHz 40.680 MHz 61.020 MHz .000 MHz 5.94374 GHz 5.94406 GHz 5.96440 GHz 5.98374 GHz 7.02626 GHz 7.04478 GHz 7.06594 GHz 7.06610 GHz 61 81

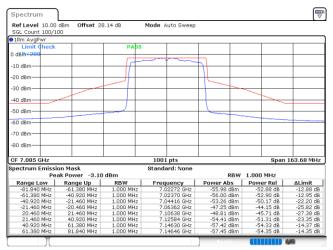
Date: 6.DEC.2023 16:53:39

Date: 31.AUG.2023 15:46:36

TEL: 886-3-327-0868
FAX: 886-3-327-0855
Report Template No.: BU5-FR15EWL AC MA Version 1.0.0



Plot on Channel 7085 MHz

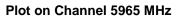


Date: 31.AUG.2023 16:05:22

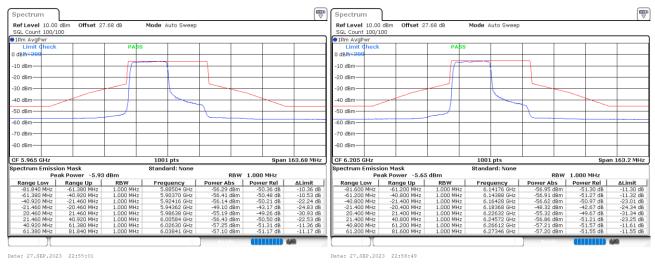




802.11ax HE40 242RU61



Plot on Channel 6205 MHz

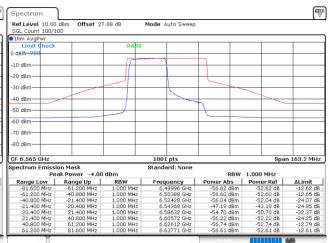


Plot on Channel 6445 MHz

Ref Level 10.00 dBm SGL Count 100/100 Offset 27.78 dB Mode Auto Sweep SGL Count 10 91Rm AvgPwr Limit ¢he PAS 0 dBR<2 -10 dBm--20 dBm--30 dBm--40 dBm -50 dBm -60 dBm--70 dBm -80 dBm-CF 6.445 GHz 1001 pt Peak Power Standard RBW 1.000 MHz Abs Power Rel 2 dBm -51.98 dB -4.84 dBm RBW 1.000 MHz Frequency 4 39290 GH Limit -11.98 dB -12.06 dB -23.24 dB -24.25 dB -31.72 dB -23.50 dB -12.16 dB -12.07 dB Power -56.82 dBm -56.86 dBm -56.05 dBm -47.42 dBm -54.89 dBm -56.30 dBm -56.96 dBm -56.91 dBm 5.38290 5.38388 5.40428 5.42368 5.46632 5.46632 5.48572 5.50612 5.51101 -51.98 dB -52.02 dB -51.21 dB -42.58 dB -50.05 dB -51.46 dB -52.12 dB -52.07 dB GHZ GHZ GHZ GHZ GHZ GHZ

Date: 27.SEP.2023 23:13:39

Plot on Channel 6565 MHz

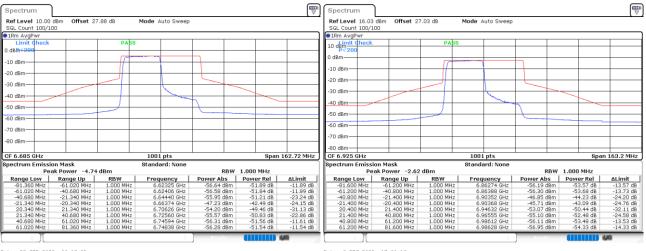


Date: 28.SEP.2023 00:11:26

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Plot on Channel 6685 MHz



Date: 28.SEP.2023 00:18:35

Date: 6.DEC.2023 17:01:18

Plot on Channel 6925 MHz

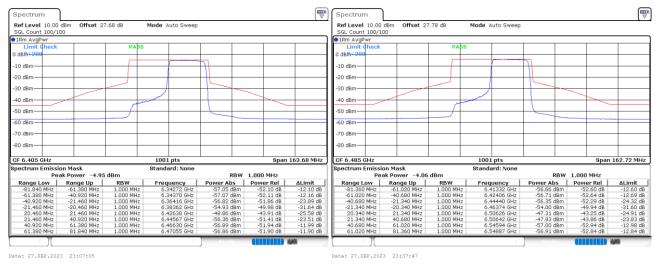




802.11ax HE40 242RU62



Plot on Channel 6485 MHz

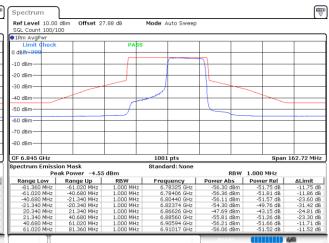


Plot on Channel 6525 MHz

₽ Ref Level 10.00 dBm SGL Count 100/100 Offset 27.83 dB Mode Auto Sweep SGL Count 10 91Rm AvgPwr Limit ¢he PAS 0 dBR<2 -10 dBm--20 dBm--30 dBm--40 dBm -50 dBm -60 dBm--70 dBm--80 dBm-CF 6.525 GHz 1001 pt Peak Power Standard RBW 1.000 MHz Abs Power Rel 33 dBm -52.03 dB -4.61 dBm Big Lower Charge Lower Charge Lower +81.600 MHz +61.200 MHz +61.200 MHz +60.800 MHz +40.6800 MHz +20.400 MHz +21.400 MHz +20.400 MHz +20.400 MHz +20.400 MHz +40.800 MHz +40.800 MHz +20.400 MHz +20.400 MHz RBW 1.000 MHz Frequency △Limit -12.03 dB -12.14 dB -23.90 dB -30.99 dB -25.14 dB -23.29 dB -12.37 dB -12.26 dB Power 0.45572 GHz 0.46388 GHz 0.48445 GHz 0.50368 GHz 0.54632 GHz 0.56572 GHz 0.56572 GHz 0.58612 GHz 0.58693 GHz -56.63 dBm -56.70 dBm -56.41 dBm -53.93 dBm -48.08 dBm -55.87 dBm -56.93 dBm -56.87 dBm -52.03 dB -52.09 dB -51.80 dB -49.32 dB -43.47 dB -51.26 dB -52.32 dB -52.32 dB .58612

Date: 27.SEP.2023 23:54:35

Plot on Channel 6845 MHz

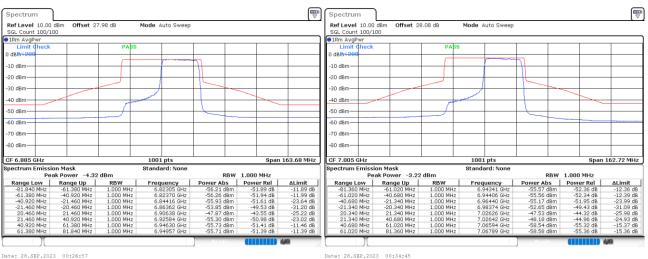


Date: 28.SEP.2023 00:23:10

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Plot on Channel 6885 MHz



Plot on Channel 7005 MHz

Plot on Channel 7085 MHz

Ref Level 10.00		.08 dB	Mode Auto Sweep			
5GL Count 100/1	00					
1Rm AvaPwr						
Limit Check		PASS				
dBR<200						
ubilitie				5		
10 dBm						
				111		
20 dBm						
30 dBm			J.			
40 dBm			Same and the second			
		, m				_
50 dBm						_
60 dBm						
70 dBm						
/0 dBm						
80 dBm						
F 7.085 GHz			1001 pts		Snan	163.68 MHz
			Standard: None		opun	100.00 0012
pectrum Emissi		1	Standard: None			
	ak Power -2.85				1.000 MHz	
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	∆Limit
-81.840 MHz	-61.380 MHz	1.000 MHz	7.02288 GHz	-57.67 dBm	-54.82 dB	-14.82 dB
-61.380 MHz	-40.920 MHz	1.000 MHz	7.02370 GHz	-57.81 dBm	-54.96 dB	-15.01 dB
-40.920 MHz	-21.460 MHz	1.000 MHz	7.04416 GHz	-57.18 dBm	-54.33 dB	-26.36 dB
-21.460 MHz 20.460 MHz	-20.460 MHz	1.000 MHz	7.06362 GHz	-54.47 dBm	-51.62 dB	-33.29 dB
	21.460 MHz 40.920 MHz	1.000 MHz	7.10638 GHz	-47.39 dBm -47.52 dBm	-44.54 dB -44.67 dB	-26.20 dB -24.64 dB
		1.000 MHz	7.10654 GHz 7.14630 GHz	-47.52 dBm -58.54 dBm	-44.67 dB -55.69 dB	-24.64 dB -15.74 dB
21.460 MHz						
	61.380 MHz 81.840 MHz	1.000 MHz 1.000 MHz	7.14728 GHz	-58.62 dBm	-55,77 dB	-15.77 dB

Date: 28.SEP.2023 00:43:16

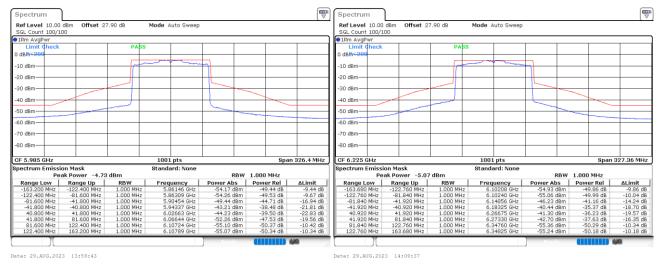




802.11ax HE80 Full RU

Plot on Channel 5985 MHz

Plot on Channel 6225 MHz

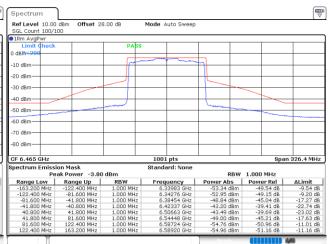


Plot on Channel 6385 MHz

Ref Level 10.00 dBm SGL Count 100/100 Offset 27.90 dB Mode Auto Sweep SGL Count 10 91Rm AvgPwr Limit ¢he PAS 0 dBR<2 -10 dBm--20 dBm--30 dBm--40 dBm -50 dBm -60 dBm -70 dBm--80 dBm-CF 6.385 GHz 1001 pt pectrum Emission Mask Peak Power Power Ab: -54.81 dk -54.71 dB -51.57 dBi -44.69 dBn -45.84 dBm -55.73 dBm -55.76 dBm -4.89 dBm RBW 1.000 MHz Range Up z -122,400 MHz z -81.600 MHz z -41.800 MHz z -41.800 MHz z 41.800 MHz z 41.800 MHz z 163.00 MHz z 163.200 MHz RBW 1.000 MHz Frequency 4 96048 GH Abs Power Rel 1 dBm -49.92 dB 1 dBm -49.92 dB 1 dBm -49.83 dB 7 dBm -46.68 dB 9 dBm -39.80 dB 4 dBm -40.95 dB 3 dBm -47.74 dB 3 dBm -50.85 dB 6 dBm -50.88 dB ALimit -9.92 dB -9.87 dB -18.85 dB -23.13 dB -24.29 dB -19.97 dB -11.09 dB -10.88 dB -163.200 MHz -163.200 MHz -122.400 MHz -81.600 MHz -41.800 MHz 40.800 MHz 81.600 MHz 122.400 MHz 26276 30422 34337 342663 34546 50658 50952 GHZ GHZ GHZ GHZ GHZ GHZ

Date: 29.AUG.2023 14:44:43

Plot on Channel 6465 MHz

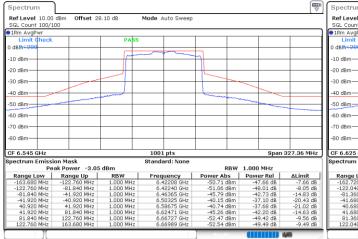


Date: 29.AUG.2023 15:07:40

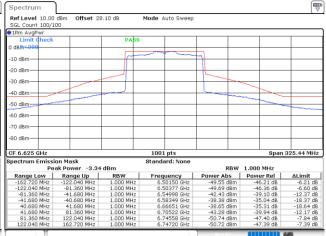
Page Number: 89 of 128Issue Date: Dec. 12, 2023Report Version: 01



Plot on Channel 6545 MHz



Plot on Channel 6625 MHz



Date: 29.AUG.2023 15:24:41

Plot on Channel 6705 MHz

Plot on Channel 6785 MHz Spectrum Spectrum Ref Level 10.00 dBm SGL Count 100/100 P1Rm AvgPwr Limit ¢heck Offset 28.10 dB Mode Auto Swee Ref Level 10.00 dBm Offset 28.10 dB Mode Auto Sweet 100/10 SGL Count 100/: 91Rm AvgPwr Limit Check PARS) dBm -10 dBm--10 dBm -20 dBm--20 dBm--30 dBm-30 dBm -40 dBm--40 dBm--50 dBm-50 dBm--60 dBm 60 dBm -70 dBm 70 dBm 80 dBm-80 dBm CF 6.705 GHz 1001 pts CF 6.785 GHz 1001 pts Spar Span : ectrum Emission Mask Peak Powe ectrum Emission Mask Peak Powe dard: N -3.48 dBm RBW 1.000 MHz -3.66 dBm RBW 1.000 MHz Range Low -7.80 dB -7.74 dB -13.29 dB -18.61 dB -19.12 dB -19.12 dB -12.57 dB -7.97 dB -8.04 dB 159 790 MH Frequency Range Up -122.040 MH Freque -51.28 dBm -47.80 d Range Up -122.040 MH -51.97 dBn -48.31 df ncy -8.31 dB -8.31 dB -14.07 dB -19.51 dB -20.08 dB -13.78 dB -8.25 dB -8.53 dB -47.80 dB -47.60 dB -39.95 dB -35.27 dB -35.78 dB -40.47 dB -47.83 dB -48.04 dB -162.720 MHz -122.040 MHz -81.360 MHz -41.680 MHz 40.680 MHz 41.680 MHz 81.360 MHz 122.040 MHz -122.040 MHz -81.360 MHz -41.680 MHz -40.680 MHz 41.680 MHz 81.360 MHz 122.040 MHz 162.720 MHz .000 MHz 5.58215 GHz 5.58345 GHz 5.63031 GHz 5.66349 GHz 5.74651 GHz 5.78587 GHz 5.82655 GHz -51.28 dBm -51.08 dBm -43.43 dBm -38.75 dBm -39.26 dBm -43.95 dBm -51.31 dBm -51.52 dBm -162.720 MHz -122.040 MHz -81.360 MHz -41.680 MHz 40.680 MHz 41.680 MHz 81.360 MHz 122.040 MHz -122.040 MHz -81.360 MHz -41.680 MHz -40.680 MHz 41.680 MHz 81.360 MHz 122.040 MHz 162.720 MHz .000 MHz 5.66150 GHz 5.66312 GHz 5.70803 GHz 5.74349 GHz 5.82651 GHz 5.86327 GHz 5.90688 GHz 5.90753 GHz -51.97 dBm -51.93 dBm -44.85 dBm -39.84 dBm -40.41 dBm -44.83 dBm -51.86 dBm -52.19 dBm -48.31 dB -48.26 dB -41.18 dB -36.17 dB -36.74 dB -41.16 dB -48.20 dB -48.53 dB .90688 .90753

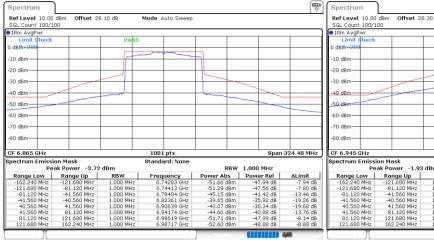
Date: 29.AUG.2023 15:43:25

Date: 29.AUG.2023 16:33:21

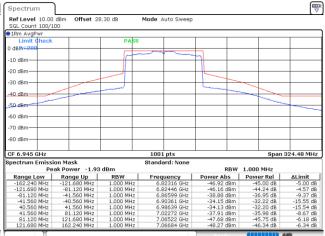
Date: 29.AUG.2023 15:33:53



Plot on Channel 6865 MHz



Plot on Channel 6945 MHz



Date: 29.AUG.2023 16:56:50

Date: 30.AUG.2023 10:10:58

Plot on Channel 7025 MHz

Ref Level 10.00	dBm Offset 28	1.30 dB	Mode Auto Sweep			
SGL Count 100/1	.00					
1Rm AvaPwr						
Limit Check		PASS				
dBR<200						
domente				+ ¬		
10 dBm		<u> </u>				_
20 dBm						-
30 dBm						
JU UBIII		J				
40 dBm		mana				
50 dBm-						-
60 dBm						
70 dBm						
/ d dbiiii						
80 dBm						
F 7.025 GHz			1001 pts		Spar	n 326.4 MH
pectrum Emissi	on Mask		Standard: None			
Pe	ak Power -2.58	dBm		RBW	1.000 MHz	
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	∆Limit
-163.200 MHz	-122.400 MHz	1.000 MHz	6.90244 GHz	-48.08 dBm	-45.49 dB	-5.49 dE
-122.400 MHz	-81.600 MHz	1.000 MHz	6.90276 GHz	-47.94 dBm	-45.36 dB	-5.41 dE
	-41.800 MHz	1.000 MHz	6.94683 GHz	-40.36 dBm	-37.78 dB	-10.47 di
-81.600 MHz	-40,800 MHz	1.000 MHz	6.98337 GHz	-35.21 dBm	-32.62 dB	-15.96 di
-81.600 MHz -41.800 MHz			7.06663 GHz	-36.16 dBm	-33.58 dB	-16.92 di
-81.600 MHz -41.800 MHz 40.800 MHz	41.800 MHz	1.000 MHz				
-81.600 MHz -41.800 MHz 40.800 MHz 41.800 MHz	41.800 MHz 81.600 MHz	1.000 MHz	7.10415 GHz	-40.96 dBm	-38.38 dB	-10.87 dE
-81.600 MHz -41.800 MHz 40.800 MHz	41.800 MHz					-10.87 dE -7.86 dE -8.01 dE

Date: 29.AUG.2023 17:41:07

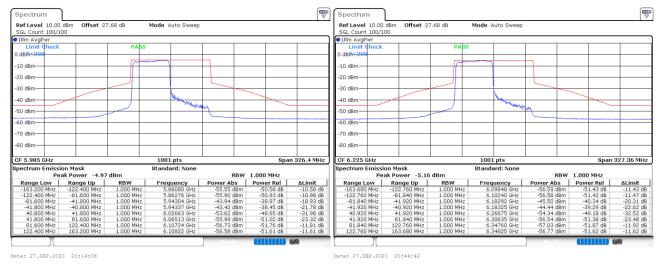




802.11ax HE80 484RU65



Plot on Channel 6225 MHz

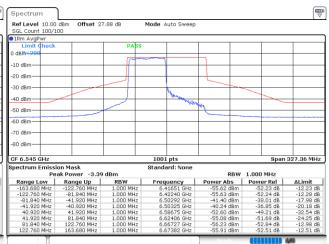


Plot on Channel 6465 MHz

Ref Level 10.00 dBm SGL Count 100/100 Offset 27.78 dB Mode Auto Sweep SGL Count 10 91Rm AvgPwr Limit ¢he PAS 0 dBR<2 -10 dBm-I -20 dBm--30 dBm--40 dBm -50 dBm -60 dBm--70 dBm -80 dBm-CF 6.465 GHz 1001 pt pectrum Emission Mask Peak Power Standard -3.86 dBm RBW 1.000 MHz Range Up 2 -122,400 MHz 2 -81.600 MHz 2 -41.800 MHz 2 -40.800 MHz 2 -41.800 MHz 2 41.800 MHz 2 122.400 MHz 2 122.400 MHz 2 123.400 MHz 2 123.400 MHz RBW 1.000 MHz Abs Power Rel 4 dBm -52.38 dB △Limit -12.38 dB -12.57 dB -21.52 dB -23.50 dB -33.23 dB -24.44 dB -13.22 dB -12.86 dB -163.200 MHz 6.33167 GH Power -52.38 dB -52.52 dB -41.56 dB -40.17 dB -49.90 dB -52.34 dB -53.18 dB -52.86 dB -163.200 MHz -122.400 MHz -81.600 MHz -41.800 MHz 40.800 MHz 81.600 MHz 122.400 MHz -56.24 dBm -56.39 dBm -45.42 dBm -44.03 dBm -53.76 dBm -56.21 dBm -57.04 dBm -56.72 dBm 5.33167 GHz 5.34276 GHz 5.42304 GHz 5.42337 GHz 5.50663 GHz 5.5663 GHz 5.54611 GHz 5.58724 GHz 5.60029 GHz

Date: 27.SEP.2023 21:11:46

Plot on Channel 6545 MHz

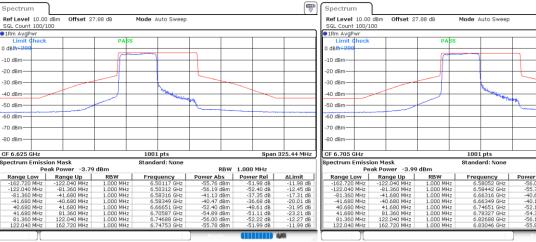


Date: 27.SEP.2023 21:37:20

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Plot on Channel 6625 MHz



Date: 27.SEP.2023 21:55:18

Date: 27.SEP.2023 22:03:04

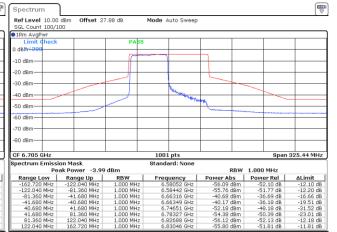
Plot on Channel 6705 MHz

Plot on Channel 6945 MHz

Ref Level 10.00	dBm Offset 28	.08 dB	Mode Auto Sweep			
5GL Count 100/1	00					
1Rm AvaPwr						
Limit Check		PASS				
dBR<200						
domente						
10 dBm						
		8				
20 dBm						-
30 dBm						
30 ubin			N			
40 dBm			atra moral			_
				ma l		
50 dBm				-		-
60 dBm						
BU UBIN						
70 dBm						
80 dBm						-
F 6.945 GHz			1001 pts		Snan	324.48 MHz
pectrum Emissi	on Mack		Standard: None		opun	or monim
	ak Power -2.50	dBm	atanuaru. None	RBW	1.000 MHz	
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	∆Limit
-162.240 MHz	-121.680 MHz	1.000 MHz	6.81764 GHz	-54.91 dBm	-52.40 dB	-12.40 dB
-121.680 MHz	-81.120 MHz	1.000 MHz	6.82348 GHz	-55.18 dBm	-52.68 dB	-12.73 dB
-81.120 MHz	-41.560 MHz	1.000 MHz	6.90328 GHz	-40.38 dBm	-37.88 dB	-17.85 dB
-41.560 MHz	-40.560 MHz	1.000 MHz	6.90361 GHz	-39.35 dBm	-36.85 dB	-20.18 dB
40.560 MHz	41.560 MHz	1.000 MHz	6.98639 GHz	-50.04 dBm	-47.53 dB	-30.87 dB
41.560 MHz	81.120 MHz	1.000 MHz	7.02531 GHz	-55.38 dBm	-52.87 dB	-25.04 dB
	121.680 MHz	1.000 MHz	7.06619 GHz	-58.09 dBm	-55.59 dB	-15.73 dB
81.120 MHz 121.680 MHz	162.240 MHz	1.000 MHz	7.07009 GHz	-58.18 dBm	-55.67 dB	-15.67 dB

Date: 27.SEP.2023 22:28:35

TEL: 886-3-327-0868 FAX: 886-3-327-0855 Report Template No.: BU5-FR15EWL AC MA Version 1.0.0



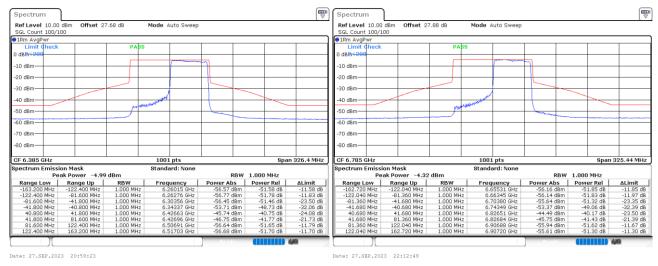




802.11ax HE80 484RU66



Plot on Channel 6785 MHz

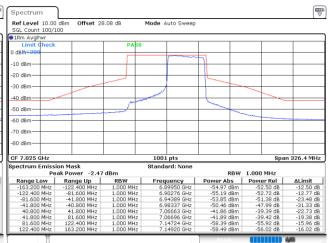


Plot on Channel 6865 MHz

Ref Level 10.00 dBm SGL Count 100/100 Offset 27.88 dB Mode Auto Sweep SGL Count 10 91Rm AvgPwr Limit ¢he PAS 0 dBR<2 -10 dBm--20 dBm--30 dBm--40 dBm--50 dBm--60 dBm -70 dBm -80 dBm-CF 6.865 GHz 1001 pt Span 324.48 MH ectrum Emission Mask Peak Power RBW 1.000 MHz Abs Power Rel 33 dBm -52.31 dB -3.23 dBm Range Up -121.660 MHz -81.120 MHz -40.560 MHz 41.560 MHz 81.120 MHz 11.120 MHz 81.120 MHz 121.680 MHz 122.680 MHz 162.240 MHz RBW 1.000 MHz Frequency -162.240 MH Power △Limit -12.31 dB -12.30 dB -23.70 dB -31.90 dB -20.78 dB -18.10 dB -12.07 dB -12.07 dB -14.25 dB -162.240 MHz -121.680 MHz -81.120 MHz -41.560 MHz 40.560 MHz 41.560 MHz 81.120 MHz 121.680 MHz -55.53 dBm -55.48 dBm -54.90 dBm -51.80 dBm -40.68 dBm -41.36 dBm -55.25 dBm -57.48 dBm .74089 GHz .74348 GHz .78404 GHz .82361 GHz .90639 GHz .90672 GHz -52. -51. -48. -37. -38. dB dB dB dB dB dB .90672 .98652 .98879

Date: 27.SEP.2023 22:21:59

Plot on Channel 7025 MHz



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3.5 Contention Based Protocol

3.5.1 Limit of Contention Based Protocol

<FCC 14-30 CFR 15.407>

(d)(6) Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

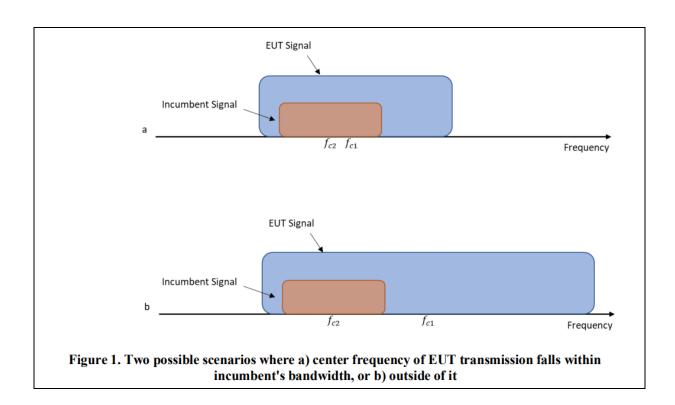
FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain. To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Tune incumbent and EUT transmissions $(f_{c1} = f_{c2})$
$BW_{Inc} < BW_{EUT} \le 2BW_{Inc}$	Once	Incumbent transmission is contained within BW_{EUT}
$2BW_{Inc} < BW_{EUT} \le 4BW_{Inc}$	Twice. Incumbent transmission is contained within BW_{EUT}	Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel
$BW_{EUT} > 4BW_{Inc}$	Three times	Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of EUT channel, and as closely as possible to the upper edge of the EUT channel

fc2: Center frequency of simulated incumbent signal





3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01. Section I) Contention Based Protocol

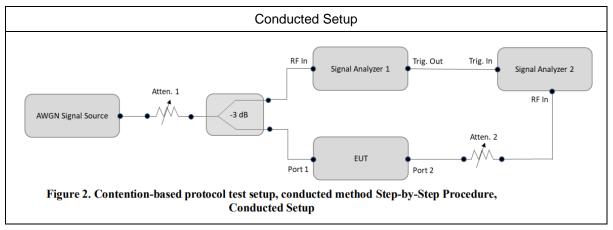
Conducted method Step-by-Step Procedure, Conducted Setup

- 1. Configure the EUT to transmit with a constant duty cycle.
- 2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
- 3. Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT.
- 4. Connect the output port of the EUT to the signal analyzer 2, as shown in test setup Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
- 5. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
- 6. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
- 7. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in test setup Figure 2.
- 8. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.

FCC RADIO TEST REPORT

- Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
- 10. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
- 11. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.
- 12. For the contention-based protocol test where only one channel in each supported sub-band needs to be tested. The narrowest and widest bandwidth in each channel shall be measured EUT was driven in MIMO mode, the interferer level was injected to both chains to monitor the performance, while the interferer level is determined according the lowest antenna gain among both antennas (i.e, lower interferer level).

3.5.4 Test Setup



3.5.5 Support Unit used in test configuration and system

Instrument	Brand Name	Model No.	Characteristics
WLAN AP	ASUS	GT-AXE11000	Dual Band AP
Notebook	DELL	Latitude 3400	LAN

3.5.6 Antenna gain for Contention Based Protocol Test

	<unii-5>: -2.7 dBi</unii-5>
CBD Antonno Coin	<unii-6>: -3.9 dBi</unii-6>
CBP Antenna Gain	<unii-7>: -4.1 dBi</unii-7>
	<unii-8>: -4.5 dBi</unii-8>



3.5.7 Test Summary of Contention Based Protocol Test

Test I	Engineer :	Kai Liao				rature : /e Humidity :	24~26°C 45~50%							
Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)						
				-68.04	100	-62	-65.34	3.34						
						Result: Stop	Transmission							
	6135	20	6135	-74.04	< 90	-62	-71.34	9.34						
	0100	20	0100			Result: Minin	nal Operation							
				-75.04	0	-62	-72.34	10.34						
				70.04		Result: Norm	nal Operation							
			6110	-70.25	100	-62	-67.55	5.55						
						-70.25	Result: Stop Transmission							
				-74.25	< 90	-62	-71.55	9.55						
				0110	0110	0110	-74.25		Result: Minin	nal Operation				
				-75.25	0	-62	-72.55	10.55						
UNII		80		10.20		Result: Norm	nal Operation							
Band 5					-70.99	100	-62	-68.29	6.29					
							-70.99		Result: Stop	Transmission				
	6145		6145	-74.99	< 90	-62	-72.29	10.29						
	0140		0140			Result: Minin	nal Operation							
				-75.99	0	-62	-73.29	11.29						
		-75.9								10.00		Result: Norm	nal Operation	
				-68.07	100	-62	-65.37	3.37						
						Result: Stop	Transmission							
			6180	-73.07	< 90	-62	-70.37	8.37						
						Result: Minin	nal Operation							
				-74.07	0	-62	-71.37	9.37						
						Result: Norm	nal Operation							

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (-2.7 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)											
				-67.21	100	-62	-63.31	1.31											
				-07.21		Result: Stop	Transmission												
	6455	20	6455	-74.21	< 90	-62	-70.31	8.31											
	0455	20	0400	-74.21		Result: Minin	nal Operation												
				-75.21	0	-62	-71.31	9.31											
				-75.21		Result: Norm	nal Operation												
				-73.14	100	-62	-69.24	7.24											
				-73.14		Result: Stop	Transmission												
			6400	0.400	6400	0.400	74.44	< 90	-62	-70.24	8.24								
		6430	-74.14		Result: Minin	nal Operation													
		6465 80 6465				-75.14	0	-62	-71.24	9.24									
UNII																-73.14		Result: Norm	nal Operation
Band 6	0405				C0.45	100	-62	-64.25	2.25										
					-68.15		Result: Stop	Transmission											
			00		0.405	74.45	< 90	-62	-70.25	8.25									
	6465		6465	-74.15		Result: Minin	nal Operation												
						0	-62	-71.25	9.25										
				-75.15		Result: Norm	nal Operation												
				70.00	100	-62	-66.48	4.48											
				-70.38		Result: Stop	Transmission												
			6500	70.00	< 90	-62	-69.48	7.48											
			6500	-73.38		Result: Minin	nal Operation												
				74.00	0	-62	-70.48	8.48											
				-74.38		Result: Norm	nal Operation												

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (-3.9 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)		
				-68.38	100	-62	-64.28	2.28		
				-00.30		Result: Stop	Transmission			
	6695	20	6695	-74.38	< 90	-62	-70.28	8.28		
	0095	20	0095	-74.30		Result: Minin	nal Operation			
				-75.38	0	-62	-71.28	9.28		
				-75.56		Result: Norm	nal Operation			
				-67.42	100	-62	-63.32	1.32		
				-07.42		Result: Stop	Transmission			
			6670	0070	0070	70.40	< 90	-62	-69.32	7.32
		6670	-73.42		Result: Minin	nal Operation				
					-74.42	0	-62	-70.32	8.32	
UNII		UNII					Result: Normal Operation			
Band 7		80 6		69.44	100	-62	-64.31	2.31		
				-68.41		Result: Stop	Transmission			
	0705			6705 -73.41 < 9	< 90	-62	-69.31	7.31		
	6705		80	6705	-73.41		Result: Minin	nal Operation		
				74.44	0	-62	-70.31	8.31		
				-74.41		Result: Norm	al Operation			
		-69.48		60.40	100	-62	-65.38	3.38		
				Result: Stop Transmission						
			6740	-72.48	< 90	-62	-68.38	6.38		
			0740	-12.40		Result: Minin	nal Operation			
				-73.48	0	-62	-69.38	7.38		
				-73.40		Result: Norm	al Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (-4.1 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.



Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 8	7015	20	7015	-71.22	100	-62	-66.72	4.72
					Result: Stop Transmission			
				-76.22	< 90	-62	-71.72	9.72
					Result: Minimal Operation			
				-77.22	0	-62	-72.72	10.72
						Result: Normal Operation		
	7025	80	6990	-73.03	100	-62	-68.53	6.53
					Result: Stop Transmission			
				-76.03	< 90	-62	-71.53	9.53
					Result: Minimal Operation			
				-77.03	0	-62	-72.53	10.53
					Result: Normal Operation			
			7025	-71.29	100	-62	-66.79	4.79
					Result: Stop Transmission			
				-74.29	< 90	-62	-69.79	7.79
					Result: Minimal Operation			
				-75.29	0	-62	-70.79	8.79
					Result: Normal Operation			
			7060	-70.25	100	-62	-65.75	3.75
					Result: Stop Transmission			
				-74.25	< 90	-62	-69.75	7.75
					Result: Minimal Operation			
				-75.25	0	-62	-70.75	8.75
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (-4.5 dBi).

Note 2: The antenna gain has included the path loss between RF connector and antenna.



Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference) 802.11ax (HE20) / 6135MHz 802.11ax (HE20) / CH37 Threshold Level (TL) = -68.04dBm Test result is pass due to no transmission occur. Contention Based Protocol - UNII 5, EUT-6135(BW20), SG-6135 5 dB = RBW 100 kHz ms = VBW 300 kHz Interference (I1~I2), Start At (I1): 2 Second. 10 0--10--20 -30 -40 -50 -60-Power -68.04 dBm -68.04 dBm Time (Sec) :32:43 PM 08/31/2023 802.11ax (HE20) / 6135MHz 802.11ax (HE20) / CH37 Threshold Level (TL) = -69.04dBm Transmit when the interferer is 1dB lower. Contention Based Protocol - UNII 5, EUT-6135(BW20), SG-6135(-1) Interference (I1~I2), Start At (I1): 2 Second. 10 0 -10 -20--30 -40 -50 -60-Time (Sec)

3.5.8 Test Plots of Contention Based Protocol Test



