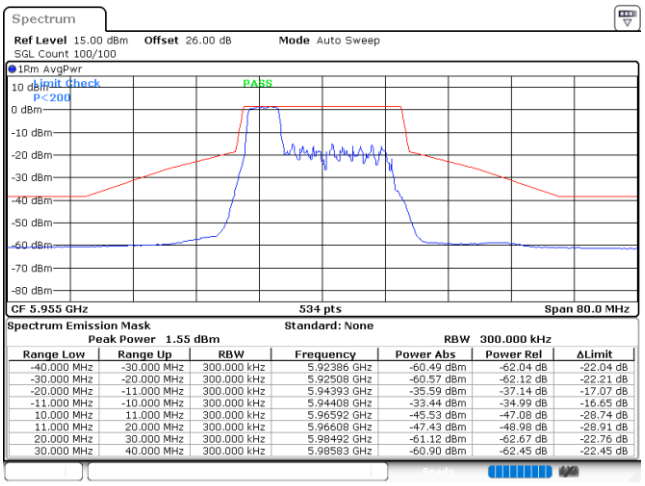
EUT Mode :	802.11ax HE20 52RU

Plot on Channel 5955MHz



Spectrum Emission Mask Standard: None
Peak Power 1.55 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	5.92385 GHz	-60.49 dBm	-62.04 dB	-22.04 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	5.92508 GHz	-60.57 dBm	-62.12 dB	-22.21 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	5.94393 GHz	-35.59 dBm	-37.14 dB	-17.07 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	5.94408 GHz	-33.44 dBm	-34.99 dB	-16.65 dB
10.000 MHz	11.000 MHz	300.000 kHz	5.96592 GHz	-45.53 dBm	-47.08 dB	-28.74 dB
11.000 MHz	20.000 MHz	300.000 kHz	5.96608 GHz	-47.43 dBm	-48.98 dB	-28.91 dB
20.000 MHz	30.000 MHz	300.000 kHz	5.98492 GHz	-61.12 dBm	-62.67 dB	-22.76 dB
30.000 MHz	40.000 MHz	300.000 kHz	5.98583 GHz	-60.90 dBm	-62.45 dB	-22.45 dB

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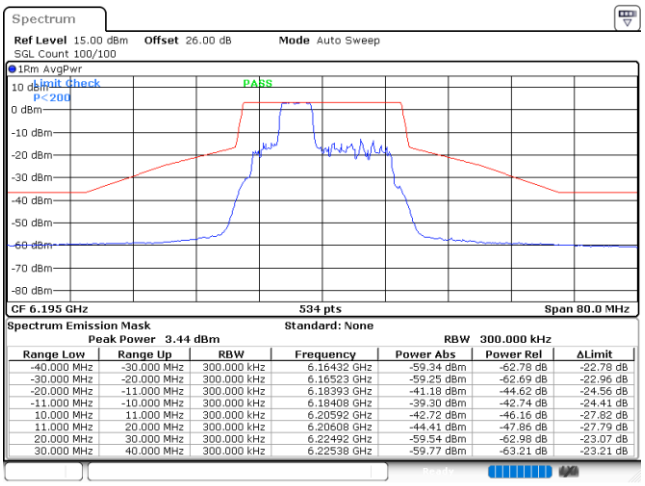
Plot on Channel 6195MHz



Spectrum Emission Mask Standard: None
Peak Power 3.44 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.16432 GHz	-59.34 dBm	-62.78 dB	-22.78 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.16523 GHz	-59.25 dBm	-62.69 dB	-22.96 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.18393 GHz	-41.18 dBm	-44.62 dB	-24.56 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.18408 GHz	-39.30 dBm	-42.74 dB	-24.41 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.20592 GHz	-42.72 dBm	-46.16 dB	-27.82 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.20608 GHz	-44.41 dBm	-47.86 dB	-27.79 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.22492 GHz	-59.54 dBm	-62.98 dB	-23.07 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.22538 GHz	-59.77 dBm	-63.21 dB	-23.21 dB

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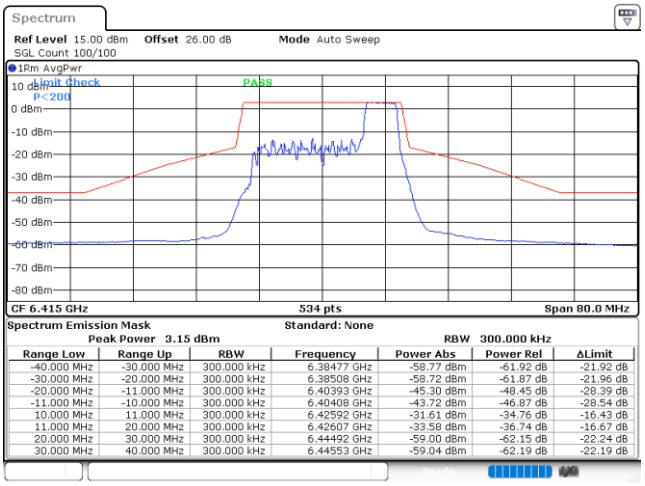
Plot on Channel 6415MHz



Spectrum Emission Mask Standard: None
Peak Power 3.15 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.38477 GHz	-58.77 dBm	-61.92 dB	-21.92 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.38508 GHz	-58.72 dBm	-61.87 dB	-21.96 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.40393 GHz	-45.30 dBm	-48.45 dB	-28.39 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.40408 GHz	-43.72 dBm	-46.87 dB	-28.54 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.42592 GHz	-31.61 dBm	-34.76 dB	-16.43 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.42607 GHz	-33.58 dBm	-36.74 dB	-16.67 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.44492 GHz	-59.00 dBm	-62.15 dB	-22.24 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.44553 GHz	-59.04 dBm	-62.19 dB	-22.19 dB

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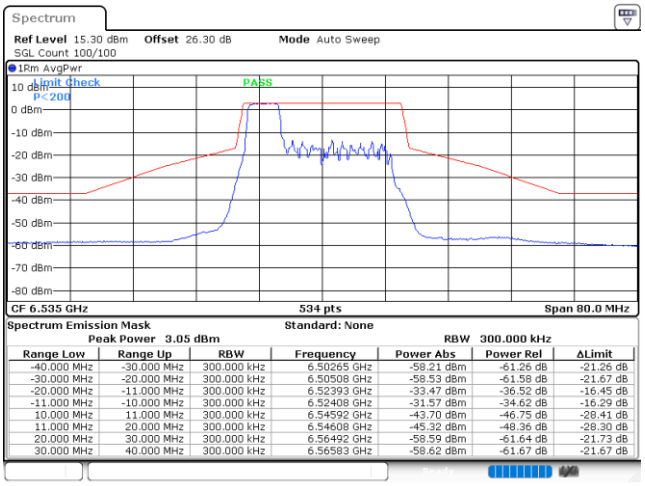
Plot on Channel 6535MHz



Spectrum Emission Mask Standard: None
Peak Power 3.05 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.50265 GHz	-58.21 dBm	-61.26 dB	-21.26 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.50508 GHz	-58.53 dBm	-61.58 dB	-21.67 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.52393 GHz	-33.47 dBm	-36.52 dB	-16.45 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.52408 GHz	-31.57 dBm	-34.62 dB	-16.29 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.54592 GHz	-43.70 dBm	-46.75 dB	-28.41 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.54608 GHz	-45.32 dBm	-48.36 dB	-28.30 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.56492 GHz	-58.59 dBm	-61.64 dB	-21.73 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.56583 GHz	-58.62 dBm	-61.67 dB	-21.67 dB

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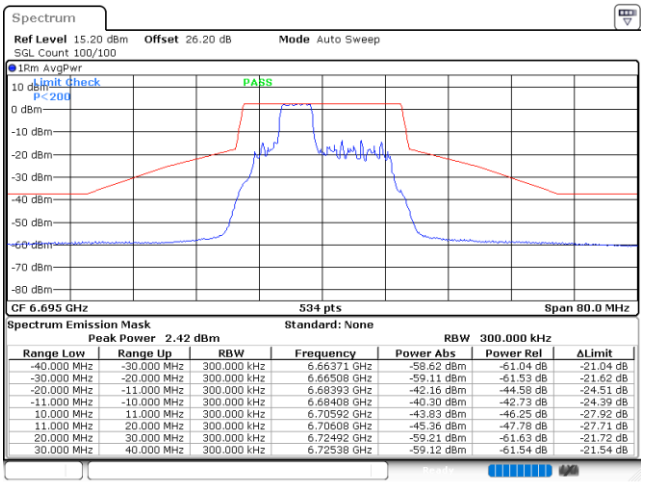
Plot on Channel 6695MHz



Spectrum Emission Mask Standard: None

Peak Power 2.42 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.66371 GHz	-58.62 dBm	-61.04 dB	-21.04 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.66508 GHz	-59.11 dBm	-61.53 dB	-21.62 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.68393 GHz	-42.16 dBm	-44.58 dB	-24.51 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.68408 GHz	-40.30 dBm	-42.73 dB	-24.39 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.70592 GHz	-43.83 dBm	-46.25 dB	-27.92 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.70608 GHz	-45.36 dBm	-47.78 dB	-27.71 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.72492 GHz	-59.21 dBm	-61.63 dB	-21.72 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.72538 GHz	-59.12 dBm	-61.54 dB	-21.54 dB

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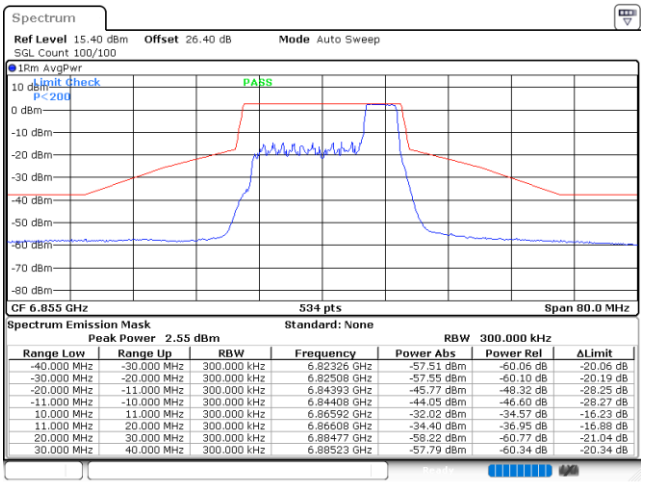
Plot on Channel 6855MHz



Spectrum Emission Mask Standard: None

Peak Power 2.55 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.82326 GHz	-57.51 dBm	-60.06 dB	-20.06 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.82508 GHz	-57.55 dBm	-60.10 dB	-20.19 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.84393 GHz	-45.77 dBm	-48.32 dB	-28.25 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.84408 GHz	-44.05 dBm	-46.60 dB	-28.27 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.86592 GHz	-32.02 dBm	-34.57 dB	-16.23 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.86608 GHz	-34.40 dBm	-36.95 dB	-16.88 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.88477 GHz	-58.22 dBm	-60.77 dB	-21.04 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.88523 GHz	-57.79 dBm	-60.34 dB	-20.34 dB

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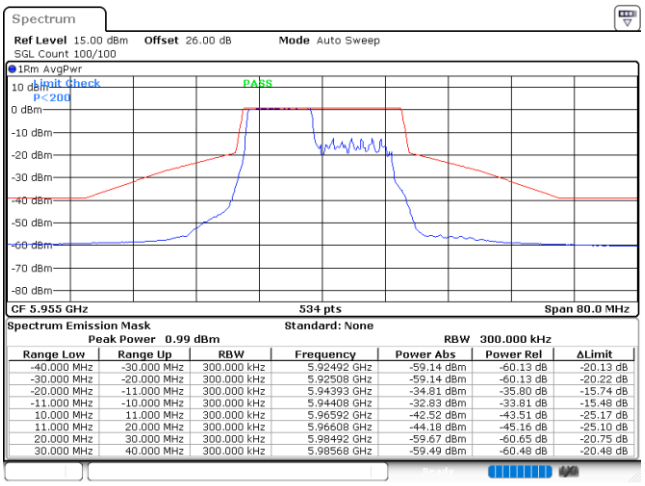
EUT Mode :	802.11ax HE20 106RU

Plot on Channel 5955MHz



Spectrum Emission Mask Standard: None
Peak Power 0.99 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	5.92492 GHz	-59.14 dBm	-60.13 dB	-20.13 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	5.92508 GHz	-59.14 dBm	-60.13 dB	-20.22 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	5.94393 GHz	-34.81 dBm	-35.80 dB	-15.74 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	5.94408 GHz	-32.83 dBm	-33.81 dB	-15.48 dB
10.000 MHz	11.000 MHz	300.000 kHz	5.96592 GHz	-42.52 dBm	-43.51 dB	-25.17 dB
11.000 MHz	20.000 MHz	300.000 kHz	5.96608 GHz	-44.18 dBm	-45.16 dB	-25.10 dB
20.000 MHz	30.000 MHz	300.000 kHz	5.98492 GHz	-59.67 dBm	-60.65 dB	-20.75 dB
30.000 MHz	40.000 MHz	300.000 kHz	5.98568 GHz	-59.49 dBm	-60.48 dB	-20.48 dB

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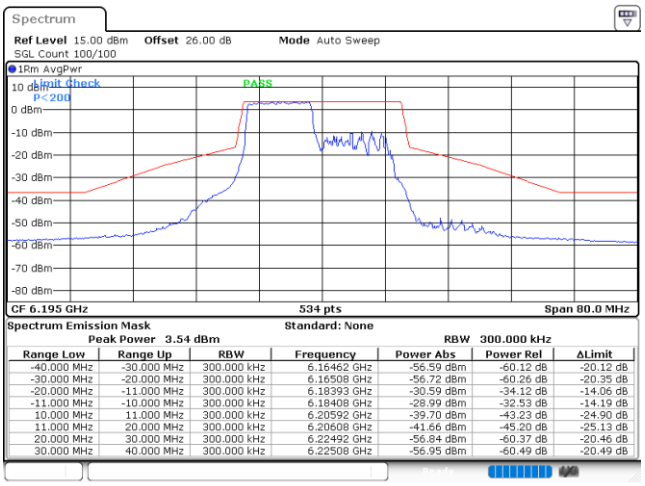
Plot on Channel 6195MHz



Spectrum Emission Mask Standard: None
Peak Power 3.54 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.16462 GHz	-56.59 dBm	-60.12 dB	-20.12 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.16508 GHz	-56.72 dBm	-60.26 dB	-20.35 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.18393 GHz	-30.59 dBm	-34.12 dB	-14.06 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.18408 GHz	-28.99 dBm	-32.53 dB	-14.19 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.20592 GHz	-39.70 dBm	-43.23 dB	-24.90 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.20608 GHz	-41.66 dBm	-45.20 dB	-25.13 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.22492 GHz	-56.84 dBm	-60.37 dB	-20.46 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.22508 GHz	-56.95 dBm	-60.49 dB	-20.49 dB

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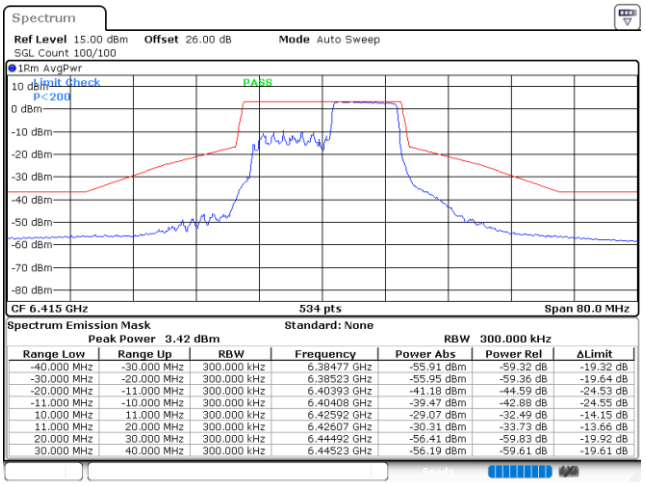
Plot on Channel 6415MHz



Spectrum Emission Mask Standard: None
Peak Power 3.42 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.38477 GHz	-55.91 dBm	-59.32 dB	-19.32 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.38523 GHz	-55.95 dBm	-59.36 dB	-19.64 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.40393 GHz	-41.18 dBm	-44.59 dB	-24.53 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.40408 GHz	-39.47 dBm	-42.88 dB	-24.55 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.42592 GHz	-29.07 dBm	-32.49 dB	-14.15 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.42607 GHz	-30.31 dBm	-33.73 dB	-13.66 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.44492 GHz	-56.41 dBm	-59.83 dB	-19.92 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.44523 GHz	-56.19 dBm	-59.61 dB	-19.61 dB

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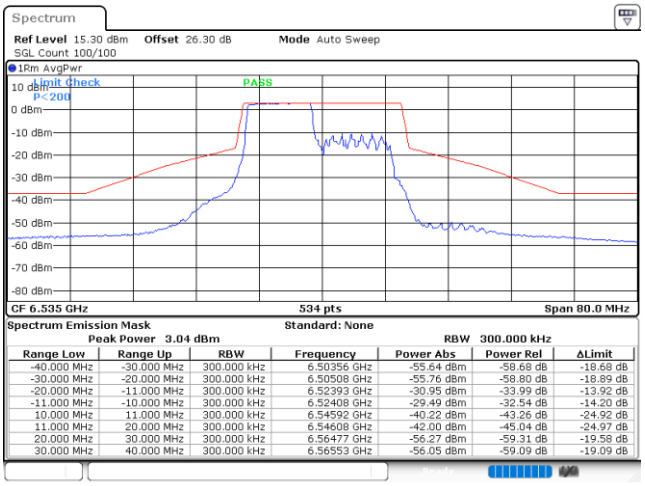
Plot on Channel 6535MHz



Spectrum Emission Mask Standard: None
Peak Power 3.04 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.50356 GHz	-55.64 dBm	-58.68 dB	-18.68 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.50508 GHz	-55.76 dBm	-58.80 dB	-18.89 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.52393 GHz	-30.95 dBm	-33.99 dB	-13.92 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.52408 GHz	-29.49 dBm	-32.54 dB	-14.20 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.54592 GHz	-40.22 dBm	-43.26 dB	-24.92 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.54608 GHz	-42.00 dBm	-45.04 dB	-24.97 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.56477 GHz	-56.27 dBm	-59.31 dB	-19.58 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.56553 GHz	-56.05 dBm	-59.09 dB	-19.09 dB

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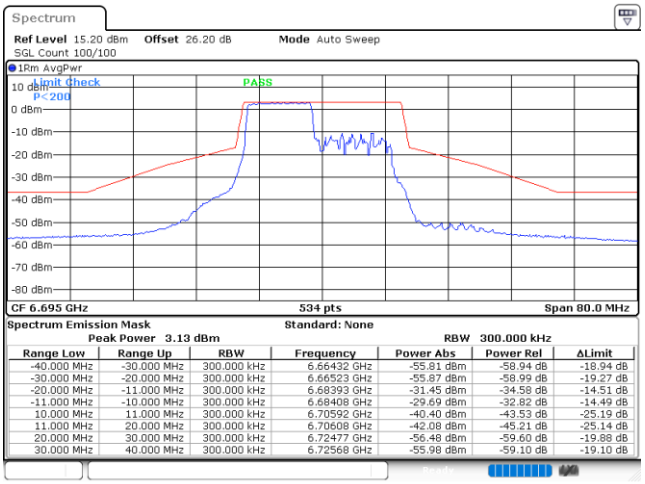
Plot on Channel 6695MHz



Spectrum Emission Mask Standard: None

Peak Power 3.13 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.66432 GHz	-55.81 dBm	-58.94 dB	-18.94 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.66523 GHz	-55.87 dBm	-58.99 dB	-19.27 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.68393 GHz	-31.45 dBm	-34.58 dB	-14.51 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.68408 GHz	-29.69 dBm	-32.82 dB	-14.49 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.70592 GHz	-40.40 dBm	-43.53 dB	-25.19 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.70608 GHz	-42.08 dBm	-45.21 dB	-25.14 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.72477 GHz	-56.48 dBm	-59.60 dB	-19.88 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.72568 GHz	-55.98 dBm	-59.10 dB	-19.10 dB

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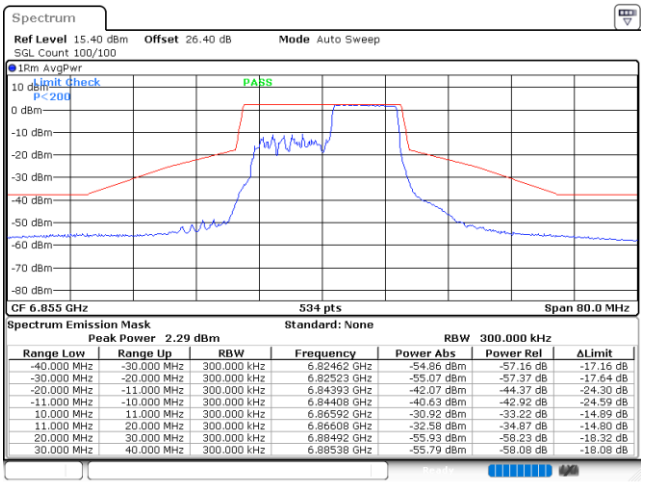
Plot on Channel 6855MHz



Spectrum Emission Mask Standard: None

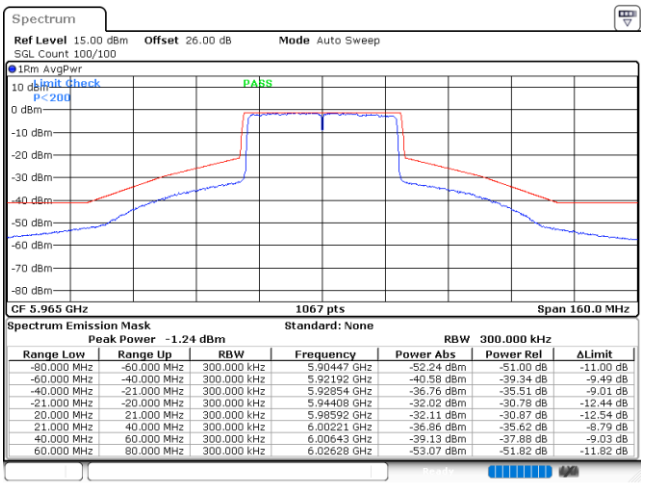
Peak Power 2.29 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.82462 GHz	-54.86 dBm	-57.16 dB	-17.16 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.82523 GHz	-55.07 dBm	-57.37 dB	-17.64 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.84393 GHz	-42.07 dBm	-44.37 dB	-24.30 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.84408 GHz	-40.63 dBm	-42.92 dB	-24.59 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.86592 GHz	-30.92 dBm	-33.22 dB	-14.89 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.86608 GHz	-32.58 dBm	-34.87 dB	-14.80 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.88492 GHz	-55.93 dBm	-58.23 dB	-18.32 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.88538 GHz	-55.79 dBm	-58.08 dB	-18.08 dB

Date: 19.NOV.2022 17:37:33

EUT Mode :	802.11ax HE40 Full RU

Plot on Channel 5965MHz



Spectrum Emission Mask Standard: None
Peak Power -1.24 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	5.90447 GHz	-52.24 dBm	-51.00 dB	-11.00 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	5.92192 GHz	-40.58 dBm	-39.34 dB	-9.49 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	5.92854 GHz	-36.76 dBm	-35.51 dB	-9.01 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	5.94408 GHz	-32.02 dBm	-30.78 dB	-12.44 dB
20.000 MHz	21.000 MHz	300.000 kHz	5.98592 GHz	-32.11 dBm	-30.87 dB	-12.54 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.00221 GHz	-36.86 dBm	-35.62 dB	-8.79 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.00643 GHz	-39.13 dBm	-37.88 dB	-9.03 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.02628 GHz	-53.07 dBm	-51.82 dB	-11.82 dB

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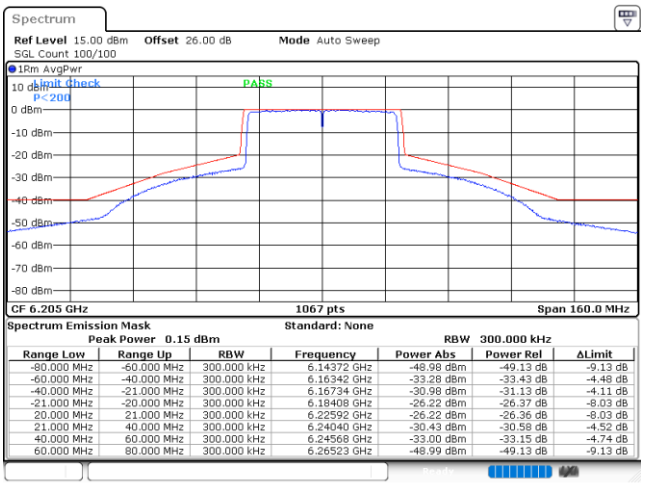
Plot on Channel 6205MHz

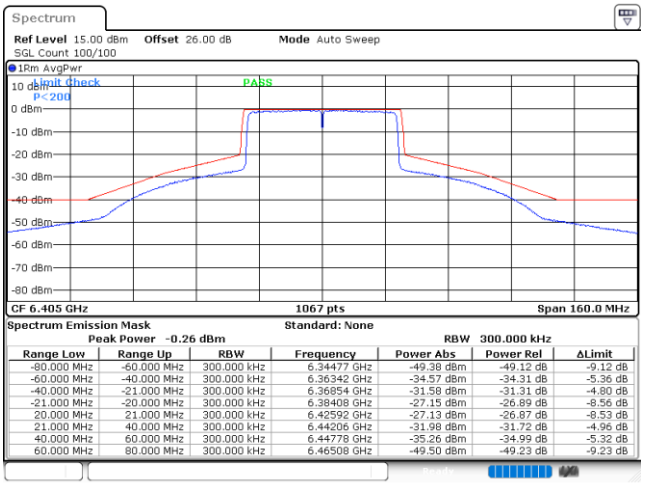


Spectrum Emission Mask Standard: None
Peak Power 0.15 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.14372 GHz	-48.98 dBm	-49.13 dB	-9.13 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.16342 GHz	-33.28 dBm	-33.43 dB	-4.48 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.16734 GHz	-30.98 dBm	-31.13 dB	-4.11 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.18408 GHz	-26.22 dBm	-26.37 dB	-8.03 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.22592 GHz	-26.22 dBm	-26.36 dB	-8.03 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.24040 GHz	-30.43 dBm	-30.58 dB	-4.52 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.24568 GHz	-33.00 dBm	-33.15 dB	-4.74 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.26523 GHz	-48.99 dBm	-49.13 dB	-9.13 dB

Date: 19.NOV.2022 10:00:40

Plot on Channel 6405MHz

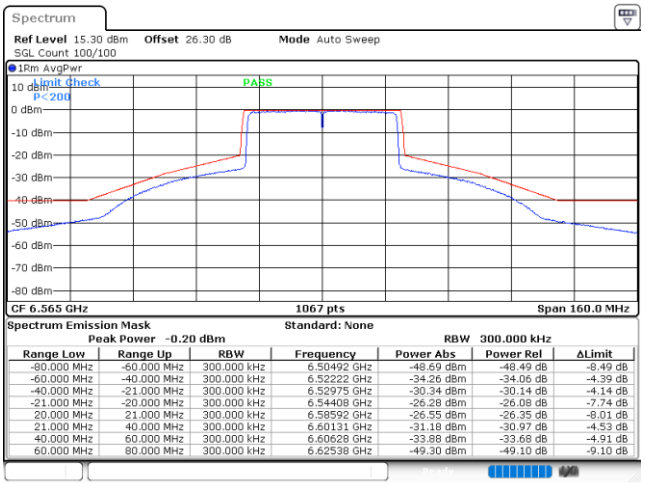


Spectrum Emission Mask Standard: None
Peak Power -0.26 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.34477 GHz	-49.38 dBm	-49.12 dB	-9.12 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.36342 GHz	-34.57 dBm	-34.31 dB	-5.36 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.36854 GHz	-31.58 dBm	-31.31 dB	-4.80 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.38408 GHz	-27.15 dBm	-26.89 dB	-8.56 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.42592 GHz	-27.13 dBm	-26.87 dB	-8.53 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.44206 GHz	-31.98 dBm	-31.72 dB	-4.96 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.44778 GHz	-35.26 dBm	-34.99 dB	-5.32 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.46508 GHz	-49.50 dBm	-49.23 dB	-9.23 dB

Date: 19.NOV.2022 10:15:29

Plot on Channel 6565MHz



Spectrum Emission Mask Standard: None
Peak Power -0.20 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.50492 GHz	-48.69 dBm	-48.49 dB	-8.49 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.52222 GHz	-34.26 dBm	-34.06 dB	-4.39 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.52975 GHz	-30.34 dBm	-30.14 dB	-4.14 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.54408 GHz	-26.28 dBm	-26.08 dB	-7.74 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.58592 GHz	-26.55 dBm	-26.35 dB	-8.01 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.60131 GHz	-31.18 dBm	-30.97 dB	-4.53 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.60628 GHz	-33.88 dBm	-33.68 dB	-4.91 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.62538 GHz	-49.30 dBm	-49.10 dB	-9.10 dB

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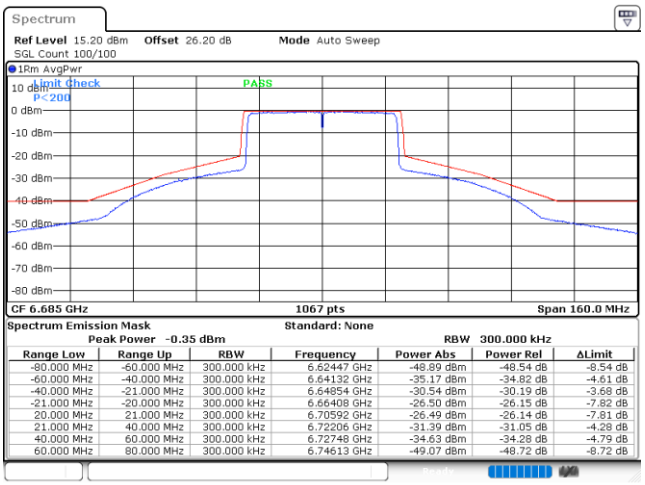
Plot on Channel 6685MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.62447 GHz	-48.89 dBm	-48.54 dB	-8.54 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.64132 GHz	-35.17 dBm	-34.82 dB	-4.61 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.64854 GHz	-30.54 dBm	-30.19 dB	-3.68 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.66408 GHz	-26.50 dBm	-26.15 dB	-7.82 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.70592 GHz	-26.49 dBm	-26.14 dB	-7.81 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.72206 GHz	-31.39 dBm	-31.05 dB	-4.28 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.72748 GHz	-34.63 dBm	-34.28 dB	-4.79 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.74613 GHz	-49.07 dBm	-48.72 dB	-8.72 dB

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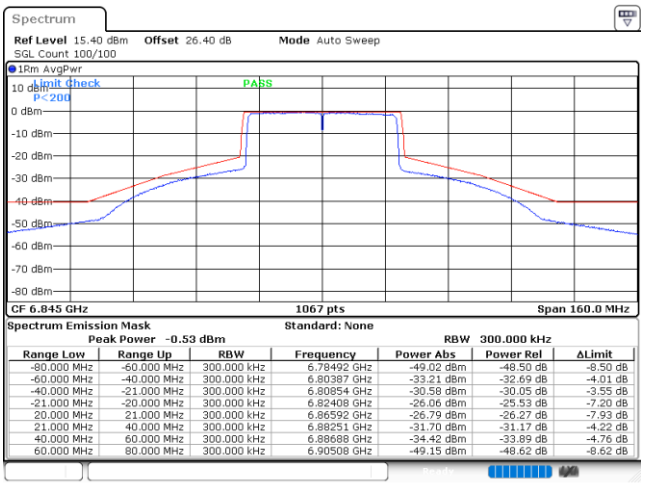
Plot on Channel 6845MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.78492 GHz	-49.02 dBm	-48.50 dB	-8.50 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.80387 GHz	-33.21 dBm	-32.69 dB	-4.01 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.80854 GHz	-30.58 dBm	-30.05 dB	-3.55 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.82408 GHz	-26.06 dBm	-25.53 dB	-7.20 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.86592 GHz	-26.79 dBm	-26.27 dB	-7.93 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.88251 GHz	-31.70 dBm	-31.17 dB	-4.22 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.88688 GHz	-34.42 dBm	-33.89 dB	-4.76 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.90508 GHz	-49.15 dBm	-48.62 dB	-8.62 dB

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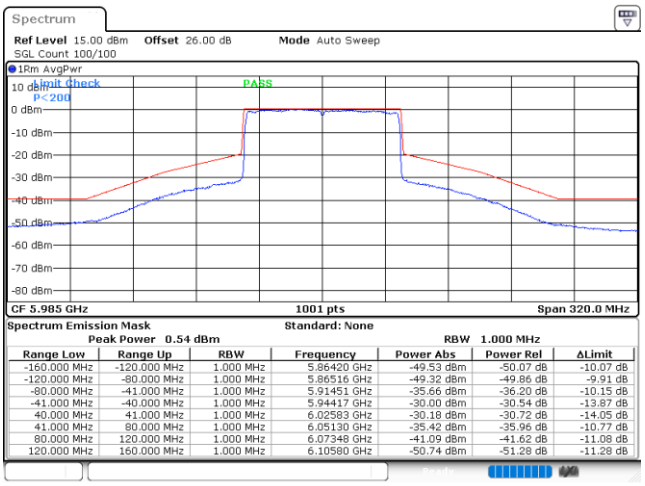
EUT Mode :	802.11ax HE80 Full RU

Plot on Channel 5985MHz



Spectrum Emission Mask Standard: None
Peak Power 0.54 dBm RBW 1.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	5.86420 GHz	-49.53 dBm	-50.07 dB	-10.07 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	5.86516 GHz	-49.32 dBm	-49.86 dB	-9.91 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	5.91451 GHz	-35.66 dBm	-36.20 dB	-10.15 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	5.94417 GHz	-30.00 dBm	-30.54 dB	-13.87 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.02583 GHz	-30.18 dBm	-30.72 dB	-14.05 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.05130 GHz	-35.42 dBm	-35.96 dB	-10.77 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.07348 GHz	-41.09 dBm	-41.62 dB	-11.08 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.10580 GHz	-50.74 dBm	-51.28 dB	-11.28 dB

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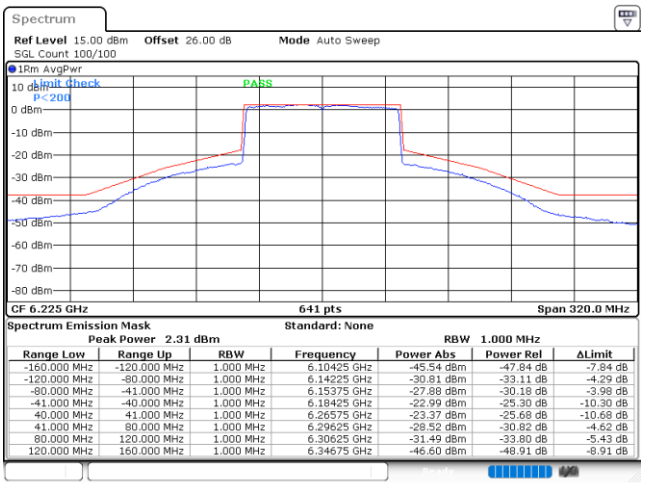
Plot on Channel 6225MHz



Spectrum Emission Mask Standard: None
Peak Power 2.31 dBm RBW 1.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.10425 GHz	-45.54 dBm	-47.84 dB	-7.84 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.14225 GHz	-30.81 dBm	-33.11 dB	-4.29 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.15375 GHz	-27.88 dBm	-30.18 dB	-3.98 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.18425 GHz	-22.99 dBm	-25.30 dB	-10.30 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.26575 GHz	-23.37 dBm	-25.68 dB	-10.68 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.29625 GHz	-28.52 dBm	-30.82 dB	-4.62 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.30625 GHz	-31.49 dBm	-33.80 dB	-5.43 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.34675 GHz	-46.60 dBm	-48.91 dB	-8.91 dB

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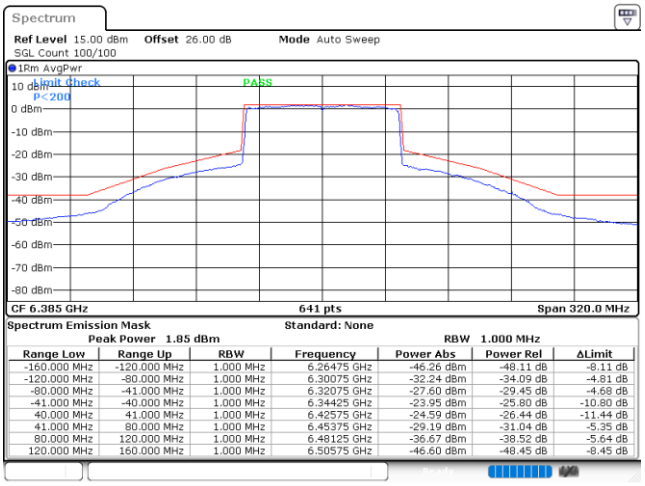
Plot on Channel 6385MHz



Spectrum Emission Mask Standard: None
Peak Power 1.85 dBm RBW 1.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.26475 GHz	-46.26 dBm	-48.11 dB	-8.11 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.30075 GHz	-32.24 dBm	-34.09 dB	-4.81 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.32075 GHz	-27.60 dBm	-29.45 dB	-4.68 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.34425 GHz	-23.95 dBm	-25.80 dB	-10.80 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.42575 GHz	-24.59 dBm	-26.44 dB	-11.44 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.45375 GHz	-29.19 dBm	-31.04 dB	-5.35 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.48125 GHz	-36.67 dBm	-38.52 dB	-5.64 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.50575 GHz	-46.60 dBm	-48.45 dB	-8.45 dB

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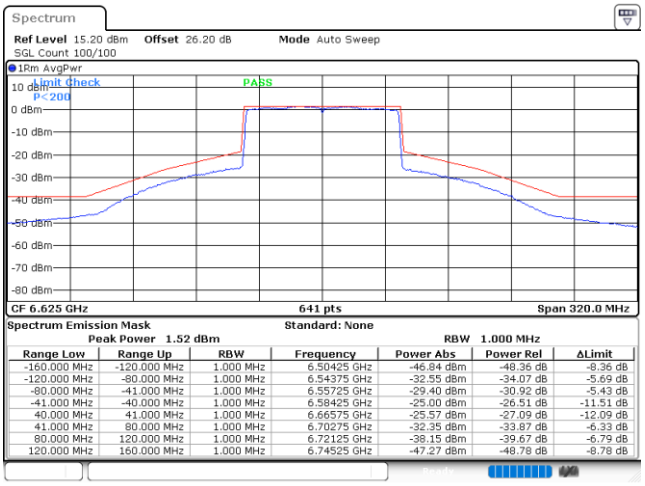
Plot on Channel 6625MHz



Spectrum Emission Mask Standard: None
Peak Power 1.52 dBm RBW 1.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.50425 GHz	-46.84 dBm	-48.36 dB	-8.36 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.54375 GHz	-32.55 dBm	-34.07 dB	-5.69 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.55725 GHz	-29.40 dBm	-30.92 dB	-5.43 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.58425 GHz	-25.00 dBm	-26.51 dB	-11.51 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.66575 GHz	-25.57 dBm	-27.09 dB	-12.09 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.70275 GHz	-32.35 dBm	-33.87 dB	-6.33 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.72125 GHz	-38.15 dBm	-39.67 dB	-6.79 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.74525 GHz	-47.27 dBm	-48.78 dB	-8.78 dB

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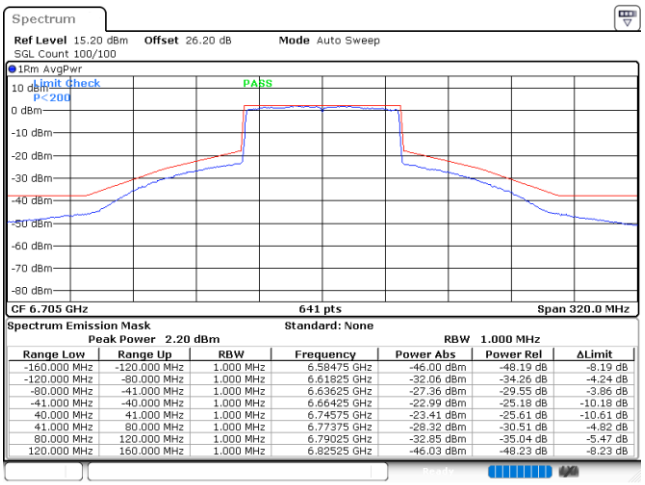
Plot on Channel 6705MHz



Spectrum Emission Mask Standard: None

Peak Power 2.20 dBm RBW 1.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.58475 GHz	-46.00 dBm	-48.19 dB	-8.19 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.61825 GHz	-32.06 dBm	-34.26 dB	-4.24 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.63625 GHz	-27.36 dBm	-29.55 dB	-3.86 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.66425 GHz	-22.99 dBm	-25.18 dB	-10.18 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.74575 GHz	-23.41 dBm	-25.61 dB	-10.61 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.77375 GHz	-28.32 dBm	-30.51 dB	-4.82 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.79025 GHz	-32.85 dBm	-35.04 dB	-5.47 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.82525 GHz	-46.03 dBm	-48.23 dB	-8.23 dB

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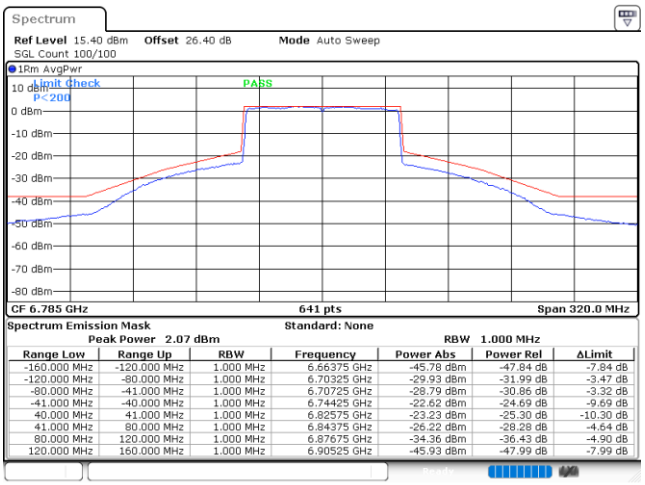
Plot on Channel 6785MHz



Spectrum Emission Mask Standard: None

Peak Power 2.07 dBm RBW 1.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.66375 GHz	-45.78 dBm	-47.84 dB	-7.84 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.70325 GHz	-29.93 dBm	-31.99 dB	-3.47 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.70725 GHz	-28.79 dBm	-30.86 dB	-3.32 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.74425 GHz	-22.62 dBm	-24.69 dB	-9.69 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.82575 GHz	-23.23 dBm	-25.30 dB	-10.30 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.84375 GHz	-26.22 dBm	-28.28 dB	-4.64 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.87675 GHz	-34.36 dBm	-36.43 dB	-4.90 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.90525 GHz	-45.93 dBm	-47.99 dB	-7.99 dB

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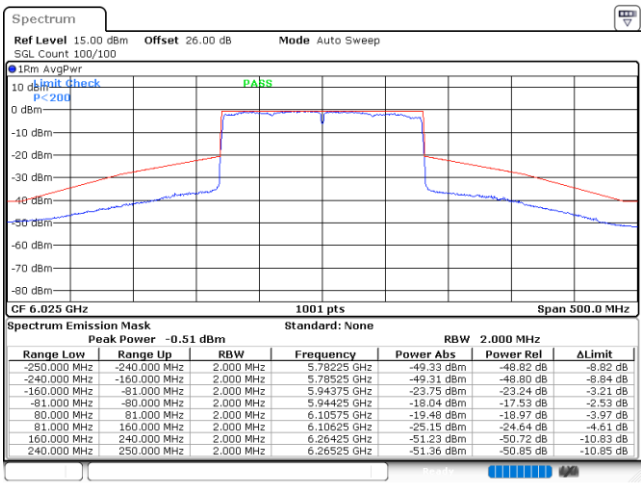
EUT Mode :	802.11ax HE160 Full RU

Plot on Channel 6025MHz



Spectrum Emission Mask Standard: None
Peak Power -0.51 dBm RBW 2.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-250.000 MHz	-240.000 MHz	2.000 MHz	5.78225 GHz	-49.33 dBm	-48.82 dB	-8.82 dB
-240.000 MHz	-160.000 MHz	2.000 MHz	5.78525 GHz	-49.31 dBm	-48.80 dB	-8.84 dB
-160.000 MHz	-81.000 MHz	2.000 MHz	5.94375 GHz	-23.75 dBm	-23.24 dB	-3.21 dB
-81.000 MHz	-80.000 MHz	2.000 MHz	5.94425 GHz	-18.04 dBm	-17.53 dB	-2.53 dB
80.000 MHz	81.000 MHz	2.000 MHz	6.10575 GHz	-19.48 dBm	-18.97 dB	-3.97 dB
81.000 MHz	160.000 MHz	2.000 MHz	6.10625 GHz	-25.15 dBm	-24.64 dB	-4.61 dB
160.000 MHz	240.000 MHz	2.000 MHz	6.26425 GHz	-51.23 dBm	-50.72 dB	-10.83 dB
240.000 MHz	250.000 MHz	2.000 MHz	6.26525 GHz	-51.36 dBm	-50.85 dB	-10.85 dB

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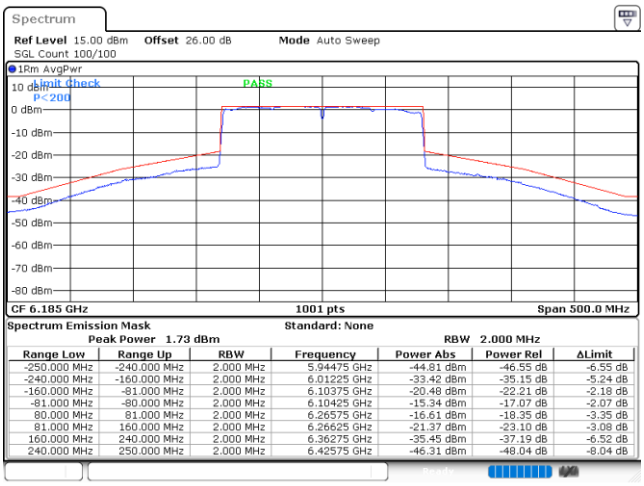
Plot on Channel 6185MHz



Spectrum Emission Mask Standard: None
Peak Power 1.73 dBm RBW 2.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-250.000 MHz	-240.000 MHz	2.000 MHz	5.94475 GHz	-44.81 dBm	-46.55 dB	-6.55 dB
-240.000 MHz	-160.000 MHz	2.000 MHz	6.01225 GHz	-33.42 dBm	-35.15 dB	-5.24 dB
-160.000 MHz	-81.000 MHz	2.000 MHz	6.10375 GHz	-20.48 dBm	-22.21 dB	-2.18 dB
-81.000 MHz	-80.000 MHz	2.000 MHz	6.10425 GHz	-15.34 dBm	-17.07 dB	-2.07 dB
80.000 MHz	81.000 MHz	2.000 MHz	6.26575 GHz	-16.61 dBm	-18.35 dB	-3.35 dB
81.000 MHz	160.000 MHz	2.000 MHz	6.26625 GHz	-21.37 dBm	-23.10 dB	-3.08 dB
160.000 MHz	240.000 MHz	2.000 MHz	6.36275 GHz	-35.45 dBm	-37.19 dB	-6.52 dB
240.000 MHz	250.000 MHz	2.000 MHz	6.42575 GHz	-46.31 dBm	-48.04 dB	-8.04 dB

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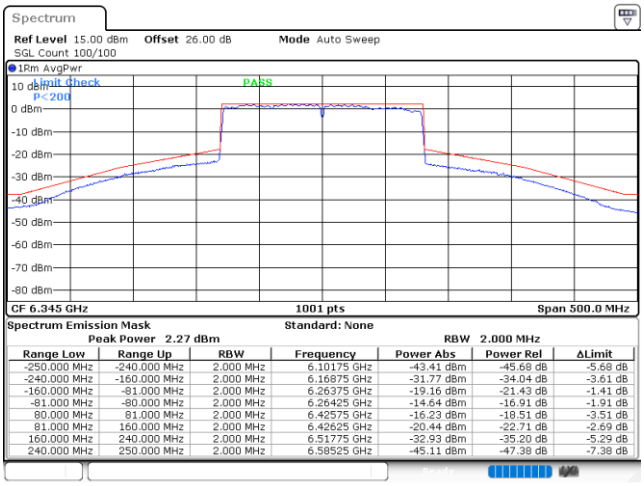
Plot on Channel 6345MHz



Spectrum Emission Mask Standard: None
Peak Power 2.27 dBm RBW 2.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-250.000 MHz	-240.000 MHz	2.000 MHz	6.10175 GHz	-43.41 dBm	-45.68 dB	-5.68 dB
-240.000 MHz	-160.000 MHz	2.000 MHz	6.16875 GHz	-31.77 dBm	-34.04 dB	-3.61 dB
-160.000 MHz	-81.000 MHz	2.000 MHz	6.26375 GHz	-19.16 dBm	-21.43 dB	-1.41 dB
-81.000 MHz	-80.000 MHz	2.000 MHz	6.26425 GHz	-14.64 dBm	-16.91 dB	-1.91 dB
80.000 MHz	81.000 MHz	2.000 MHz	6.42575 GHz	-16.23 dBm	-18.51 dB	-3.51 dB
81.000 MHz	160.000 MHz	2.000 MHz	6.42625 GHz	-20.44 dBm	-22.71 dB	-2.69 dB
160.000 MHz	240.000 MHz	2.000 MHz	6.51775 GHz	-32.93 dBm	-35.20 dB	-5.29 dB
240.000 MHz	250.000 MHz	2.000 MHz	6.58525 GHz	-45.11 dBm	-47.38 dB	-7.38 dB

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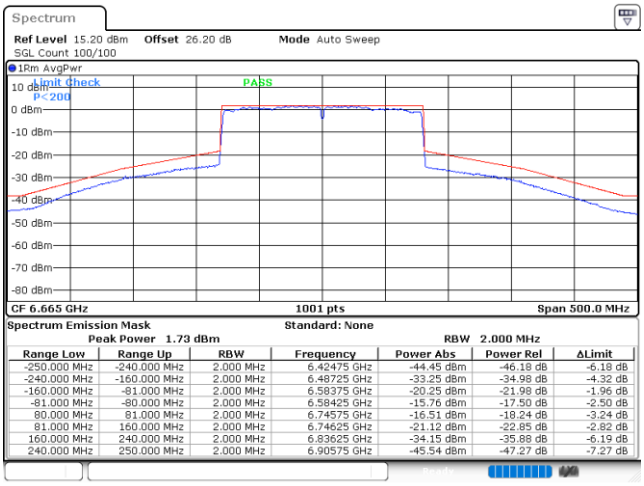
Plot on Channel 6665MHz



Spectrum Emission Mask Standard: None
Peak Power 1.73 dBm RBW 2.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-250.000 MHz	-240.000 MHz	2.000 MHz	6.42475 GHz	-44.45 dBm	-46.18 dB	-6.18 dB
-240.000 MHz	-160.000 MHz	2.000 MHz	6.48725 GHz	-33.25 dBm	-34.98 dB	-4.32 dB
-160.000 MHz	-81.000 MHz	2.000 MHz	6.58375 GHz	-20.25 dBm	-21.98 dB	-1.96 dB
-81.000 MHz	-80.000 MHz	2.000 MHz	6.58425 GHz	-15.76 dBm	-17.50 dB	-2.50 dB
80.000 MHz	81.000 MHz	2.000 MHz	6.74575 GHz	-16.51 dBm	-18.24 dB	-3.24 dB
81.000 MHz	160.000 MHz	2.000 MHz	6.74625 GHz	-21.12 dBm	-22.85 dB	-2.82 dB
160.000 MHz	240.000 MHz	2.000 MHz	6.83625 GHz	-34.15 dBm	-35.88 dB	-6.19 dB
240.000 MHz	250.000 MHz	2.000 MHz	6.90575 GHz	-45.54 dBm	-47.27 dB	-7.27 dB

Date: 19.NOV.2022 12:41:20

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.

Table 1. Criteria to determine number of times detection threshold test may be performed

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Tune incumbent and EUT transmissions ($f_{c1} = f_{c2}$)
$BW_{Inc} < BW_{EUT} \leq 2BW_{Inc}$	Once	Incumbent transmission is contained within BW_{EUT}
$2BW_{Inc} < BW_{EUT} \leq 4BW_{Inc}$	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

where:

$BWEUT$: Transmission bandwidth of EUT signal

$BWInc$: Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal)

$fc1$: Center frequency of EUT transmission

$fc2$: Center frequency of simulated incumbent signal

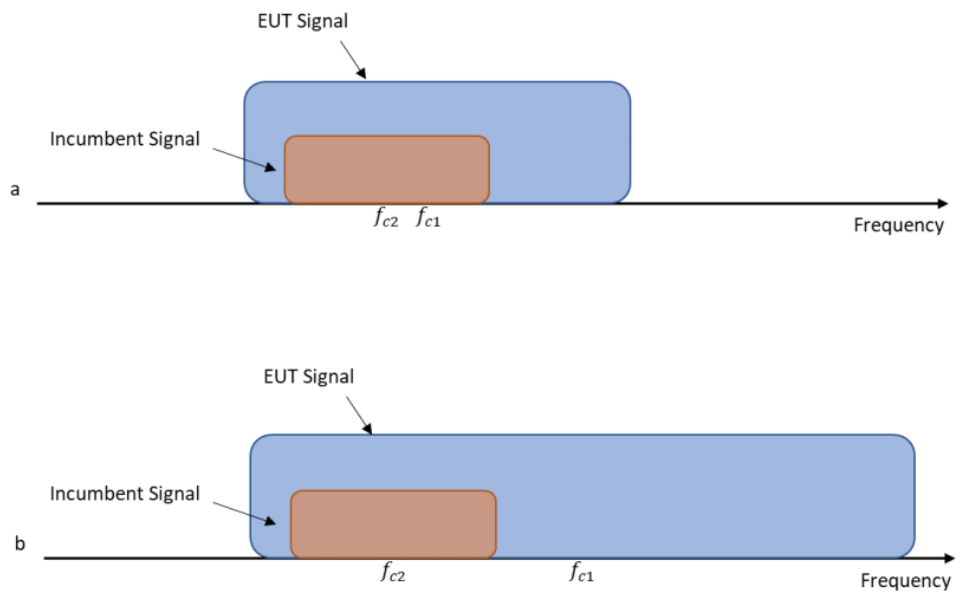


Figure 1. Two possible scenarios where a) center frequency of EUT transmission falls within incumbent's bandwidth, or b) outside of it

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.

9. 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

Conducted Setup

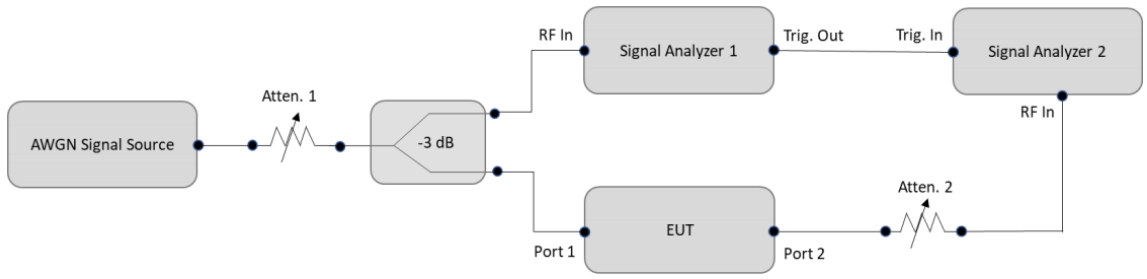


Figure 2. Contention-based protocol test setup, conducted method Step-by-Step Procedure, Conducted Setup

3.5.5 Support Unit used in test configuration and system

Remark: The CBP test result has been done in the LPI client report FR0D2942-04G.

3.5.6 Test Summary of Contention Based Protocol Test

Remark: The CBP test result has been done in the LPI client report FR0D2942-04G.

3.5.7 Test Plots of Contention Based Protocol Test

Remark: The CBP test result has been done in the LPI client report FR0D2942-04G.

3.6 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.6.1 Limit of Unwanted Emissions

(1) For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of −27 dBm/MHz.

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27 (RMS)	68.3
- 7 (Peak)	88.3

According 987594 D02 U-NII 6GHz EMC Measurement v01 section G:
Unwanted emissions outside of restricted bands are measured with a RMS detector.
In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

(2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

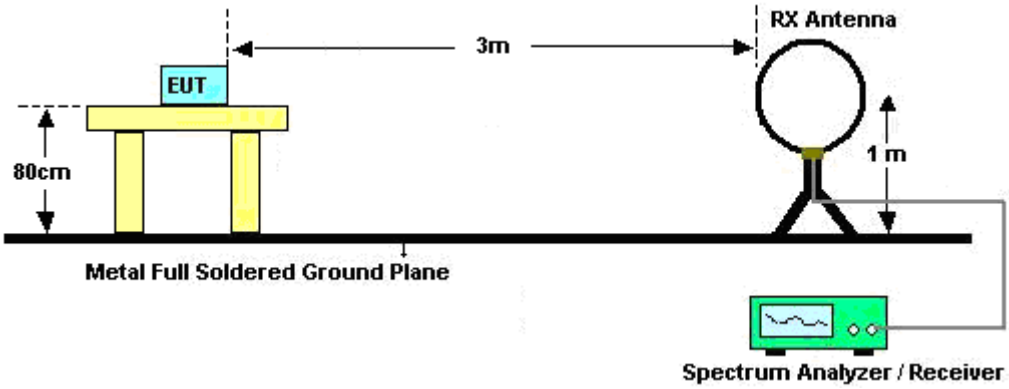
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-“.

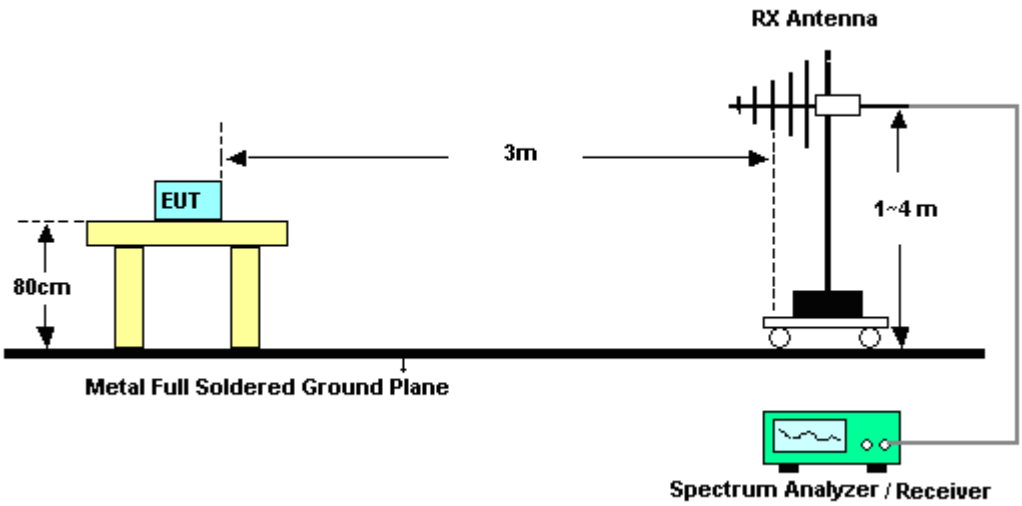
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-"..

3.6.4 Test Setup

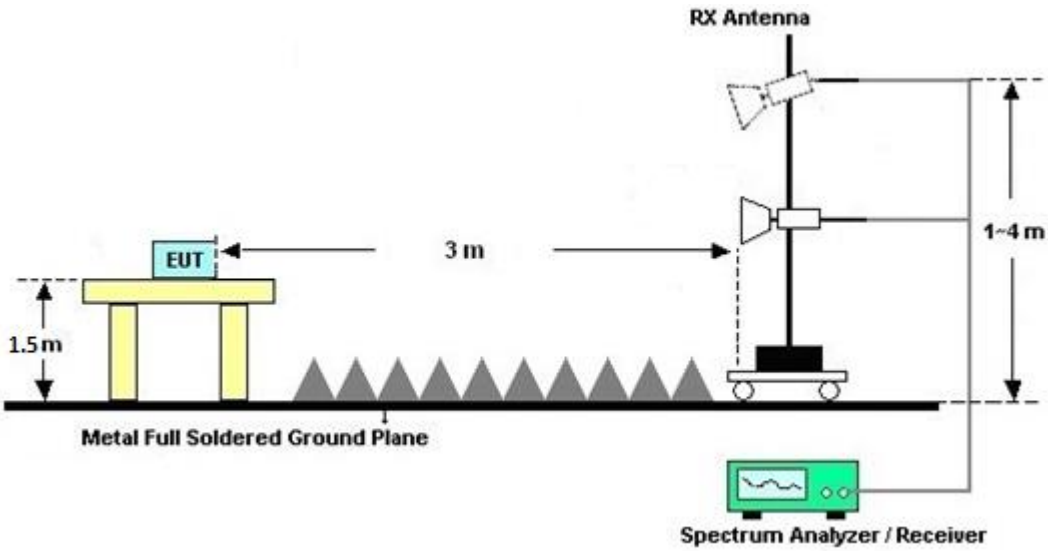
For radiated emissions below 30MHz



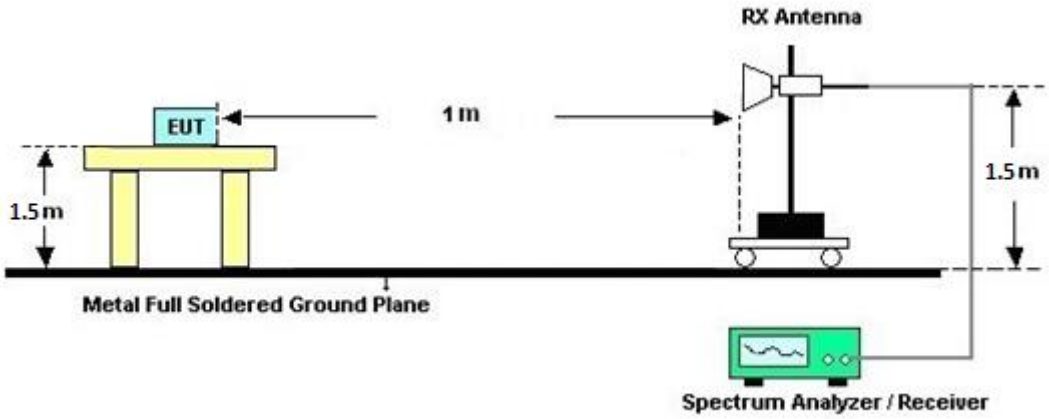
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.6.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.6.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.6.7 Duty Cycle

Please refer to Appendix E.

3.6.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.7 AC Conducted Emission Measurement

3.7.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

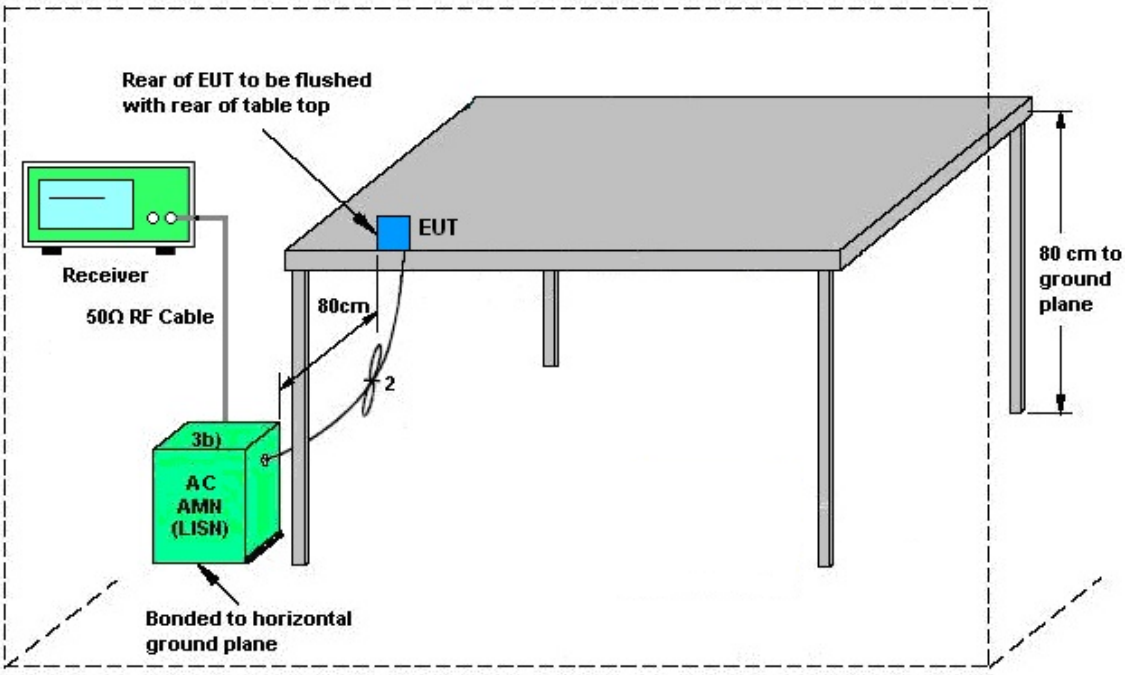
3.7.2 Measuring Instruments

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

3.7.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.7.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.7.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.8 Antenna Requirements

3.8.1 Standard Applicable

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	35419 & 03	30MHz~1GHz	Apr. 24, 2022	Nov. 11, 2022~ Nov. 16, 2022	Apr. 23, 2023	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 03, 2021	Nov. 11, 2022~ Nov. 16, 2022	Dec. 02, 2022	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	Nov. 11, 2022~ Nov. 16, 2022	Sep. 19, 2023	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz~18GHz	Apr. 21, 2022	Nov. 11, 2022~ Nov. 16, 2022	Apr. 20, 2023	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 03, 2022	Nov. 11, 2022~ Nov. 16, 2022	Oct. 02, 2023	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Oct. 03, 2022	Nov. 11, 2022~ Nov. 16, 2022	Oct. 02, 2023	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	0600789	18-40GHz	Jul. 21, 2022	Nov. 11, 2022~ Nov. 16, 2022	Jul. 20, 2023	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Jul. 22, 2022	Nov. 11, 2022~ Nov. 16, 2022	Jul. 21, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682/4	30MHz to 18GHz	Feb. 23, 2022	Nov. 11, 2022~ Nov. 16, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4	9kHz to 18GHz	Feb. 23, 2022	Nov. 11, 2022~ Nov. 16, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4	9kHz to 18GHz	Feb. 23, 2022	Nov. 11, 2022~ Nov. 16, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126	532078/126E	30MHz~18GHz	Sep. 16, 2022	Nov. 11, 2022~ Nov. 16, 2022	Sep. 15, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 23, 2022	Nov. 11, 2022~ Nov. 16, 2022	Feb. 22, 2023	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Nov. 11, 2022~ Nov. 16, 2022	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Nov. 11, 2022~ Nov. 16, 2022	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Nov. 11, 2022~ Nov. 16, 2022	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Nov. 11, 2022~ Nov. 16, 2022	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	Nov. 11, 2022~ Nov. 16, 2022	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB2495	N/A	Mar. 07, 2022	Nov. 11, 2022~ Nov. 16, 2022	Mar. 06, 2023	Radiation (03CH07-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	May. 27, 2022	Nov. 11, 2022~ Nov. 16, 2022	May. 26, 2023	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA917025 1	18GHz~40GHz	Nov. 30, 2021	Nov. 11, 2022~ Nov. 16, 2022	Nov. 29, 2022	Radiation (03CH07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Oct. 26, 2022~ Nov. 03. 2022	Nov. 15, 2022	Conducted (TH05-HY)
Hygrometer	TECPEL	DTM-303B	TP200735	N/A	Mar. 22, 2022	Nov. 18. 2022~ Nov. 19. 2022	Mar. 21, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W #010	RPR6W-2101 002(NO:123)	10MHz~8GHz	Jan. 13, 2022	Oct. 26, 2022~ Nov. 19. 2022	Jan. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz	Aug. 03, 2022	Oct. 26, 2022~ Nov. 19. 2022	Aug. 02, 2023	Conducted (TH05-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jul. 02, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 30, 2020	Jul. 02, 2021	Nov. 29, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 18, 2020	Jul. 02, 2021	Nov. 17, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Jul. 02, 2021	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jul. 02, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Feb. 25, 2021	Jul. 02, 2021	Feb. 24, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Jul. 02, 2021	Dec. 30, 2021	Conduction (CO05-HY)

5 Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.3 dB

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.5 dB

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.5 dB

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.2 dB

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.3 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Eric Wu and Ching Chen	Temperature:	21~25	°C
Test Date:	2022/10/25~2022/11/19	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	001	5955	17.23	17.03	21.90	22.15	320.00	Pass
11a	6Mbps	2	049	6195	17.83	17.43	31.55	28.90	320.00	Pass
11a	6Mbps	2	093	6415	18.08	17.93	32.35	31.00	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	001	5955	18.70	19.30	22.02	-0.30		21.72	30.00	Pass
11a	6Mbps	2	049	6195	19.90	20.80	23.38	-0.30		23.08	30.00	Pass
11a	6Mbps	2	093	6415	20.70	20.70	23.71	-0.30		23.41	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	001	5955	0.35	0.29			10.24	2.18		12.42	17.00	Pass
11a	6Mbps	2	049	6195	0.35	0.29			11.61	2.18		13.78	17.00	Pass
11a	6Mbps	2	093	6415	0.35	0.29			12.11	2.18		14.29	17.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-5 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	001	5955	Full	19.18	19.23	24.00	23.90	320.00	Pass
HE20	MCS0	2	049	6195	Full	19.63	19.63	39.05	36.75	320.00	Pass
HE20	MCS0	2	093	6415	Full	19.73	19.68	38.35	35.50	320.00	Pass
HE40	MCS0	2	003	5965	Full	37.96	37.96	47.70	40.05	320.00	Pass
HE40	MCS0	2	051	6205	Full	38.46	38.16	48.96	47.25	320.00	Pass
HE40	MCS0	2	091	6405	Full	38.26	38.16	54.99	56.52	320.00	Pass
HE80	MCS0	2	007	5985	Full	77.20	77.08	84.16	82.24	320.00	Pass
HE80	MCS0	2	055	6225	Full	77.32	77.32	97.28	107.84	320.00	Pass
HE80	MCS0	2	087	6385	Full	77.32	77.32	99.20	104.64	320.00	Pass
HE160	MCS0	2	015	6025	Full	156.56	156.80	167.04	166.08	320.00	Pass
HE160	MCS0	2	047	6185	Full	157.28	156.80	256.64	256.64	320.00	Pass
HE160	MCS0	2	079	6345	Full	157.28	157.28	233.60	265.28	320.00	Pass

Report Number : FR0D2942-18B

TEST RESULTS DATA
EIRP Power Table

U-NII-5 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	001	5955	Full	19.00	19.50	22.27	-0.30		21.97	30.00	Pass
HE20	MCS0	2	001	5955	26/0	9.50	10.00	12.77	-0.30		12.47	30.00	Pass
HE20	MCS0	2	001	5955	52/37	12.40	12.80	15.61	-0.30		15.31	30.00	Pass
HE20	MCS0	2	001	5955	106/53	15.20	15.60	18.41	-0.30		18.11	30.00	Pass
HE20	MCS0	2	049	6195	Full	20.40	21.50	24.00	-0.30		23.70	30.00	Pass
HE20	MCS0	2	049	6195	26/4	11.50	12.60	15.10	-0.30		14.80	30.00	Pass
HE20	MCS0	2	049	6195	52/38	13.90	14.80	17.38	-0.30		17.08	30.00	Pass
HE20	MCS0	2	049	6195	106/53	16.90	18.00	20.50	-0.30		20.20	30.00	Pass
HE20	MCS0	2	093	6415	Full	21.10	21.40	24.26	-0.30		23.96	30.00	Pass
HE20	MCS0	2	093	6415	26/8	11.10	11.40	14.26	-0.30		13.96	30.00	Pass
HE20	MCS0	2	093	6415	52/40	14.10	14.60	17.37	-0.30		17.07	30.00	Pass
HE20	MCS0	2	093	6415	106/54	17.10	17.40	20.26	-0.30		19.96	30.00	Pass
HE40	MCS0	2	003	5965	Full	19.00	19.10	22.06	-0.30		21.76	30.00	Pass
HE40	MCS0	2	051	6205	Full	19.40	20.60	23.05	-0.30		22.75	30.00	Pass
HE40	MCS0	2	091	6405	Full	19.90	20.10	23.01	-0.30		22.71	30.00	Pass
HE80	MCS0	2	007	5985	Full	18.30	18.60	21.46	-0.30		21.16	30.00	Pass
HE80	MCS0	2	055	6225	Full	18.80	20.40	22.68	-0.30		22.38	30.00	Pass
HE80	MCS0	2	087	6385	Full	19.00	20.00	22.54	-0.30		22.24	30.00	Pass
HE160	MCS0	2	015	6025	Full	17.00	17.60	20.32	-0.30		20.02	30.00	Pass
HE160	MCS0	2	047	6185	Full	19.10	20.20	22.70	-0.30		22.40	30.00	Pass
HE160	MCS0	2	079	6345	Full	19.20	20.50	22.91	-0.30		22.61	30.00	Pass

Report Number : FR0D2942-18B

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	001	5955	Full	0.18	0.18			9.95	2.18		12.12	17.00	Pass
HE20	MCS0	2	001	5955	26/0	0.49	0.48			9.85	2.18		12.03	17.00	Pass
HE20	MCS0	2	001	5955	52/37	0.52	0.52			9.84	2.18		12.01	17.00	Pass
HE20	MCS0	2	001	5955	106/53	0.58	0.58			9.49	2.18		11.66	17.00	Pass
HE20	MCS0	2	049	6195	Full	0.18	0.18			11.64	2.18		13.82	17.00	Pass
HE20	MCS0	2	049	6195	26/4	0.49	0.48			11.21	2.18		13.38	17.00	Pass
HE20	MCS0	2	049	6195	52/38	0.52	0.52			11.55	2.18		13.73	17.00	Pass
HE20	MCS0	2	049	6195	106/53	0.58	0.58			11.57	2.18		13.75	17.00	Pass
HE20	MCS0	2	093	6415	Full	0.18	0.18			11.78	2.18		13.96	17.00	Pass
HE20	MCS0	2	093	6415	26/8	0.49	0.48			11.47	2.18		13.64	17.00	Pass
HE20	MCS0	2	093	6415	52/40	0.52	0.52			11.49	2.18		13.67	17.00	Pass
HE20	MCS0	2	093	6415	106/54	0.58	0.58			11.33	2.18		13.51	17.00	Pass
HE40	MCS0	2	003	5965	Full	0.34	0.34			7.07	2.18		9.25	17.00	Pass
HE40	MCS0	2	051	6205	Full	0.34	0.34			8.04	2.18		10.22	17.00	Pass
HE40	MCS0	2	091	6405	Full	0.34	0.34			7.98	2.18		10.15	17.00	Pass
HE80	MCS0	2	007	5985	Full	0.42	0.43			3.68	2.18		5.86	17.00	Pass
HE80	MCS0	2	055	6225	Full	0.42	0.43			5.00	2.18		7.18	17.00	Pass
HE80	MCS0	2	087	6385	Full	0.42	0.43			4.58	2.18		6.75	17.00	Pass
HE160	MCS0	2	015	6025	Full	0.65	0.65			-0.20	2.18		1.98	17.00	Pass
HE160	MCS0	2	047	6185	Full	0.65	0.65			1.99	2.18		4.16	17.00	Pass
HE160	MCS0	2	079	6345	Full	0.65	0.65			2.25	2.18		4.42	17.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	117	6535	18.08	18.23	32.20	34.20	320.00	Pass
11a	6Mbps	2	149	6695	18.23	19.03	32.50	30.70	320.00	Pass
11a	6Mbps	2	181	6855	20.13	19.78	38.25	37.95	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	117	6535	19.40	20.00	22.72	0.90		23.62	30.00	Pass
11a	6Mbps	2	149	6695	19.50	19.90	22.71	0.90		23.61	30.00	Pass
11a	6Mbps	2	181	6855	19.70	19.80	22.76	0.90		23.66	30.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	117	6535	0.35	0.29			12.13	3.47		15.61	17.00	Pass
11a	6Mbps	2	149	6695	0.35	0.29			12.51	3.47		15.98	17.00	Pass
11a	6Mbps	2	181	6855	0.35	0.29			12.62	3.47		16.09	17.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-7 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		Emission Bandwidth Limit (MHz)	Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	117	6535	Full	19.48	19.73	36.95	33.60	320.00	Pass
HE20	MCS0	2	149	6695	Full	19.43	19.53	34.40	35.90	320.00	Pass
HE20	MCS0	2	181	6855	Full	19.98	19.78	39.90	40.15	320.00	Pass
HE40	MCS0	2	123	6565	Full	38.16	38.26	50.04	49.41	320.00	Pass
HE40	MCS0	2	147	6685	Full	37.96	38.16	44.10	50.31	320.00	Pass
HE40	MCS0	2	179	6845	Full	38.26	38.26	59.13	56.43	320.00	Pass
HE80	MCS0	2	135	6625	Full	77.32	77.32	85.12	91.84	320.00	Pass
HE80	MCS0	2	151	6705	Full	77.32	77.32	112.96	104.16	320.00	Pass
HE80	MCS0	2	167	6785	Full	77.44	77.32	111.84	104.80	320.00	Pass
HE160	MCS0	2	143	6665	Full	157.28	157.04	241.60	255.36	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-7 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power (dBm)			DG (dBi)		EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	117	6535	Full	19.60	20.20	22.92	0.90		23.82	30.00	Pass
HE20	MCS0	2	117	6535	26/0	11.20	11.30	14.26	0.90		15.16	30.00	Pass
HE20	MCS0	2	117	6535	52/37	14.10	14.50	17.31	0.90		18.21	30.00	Pass
HE20	MCS0	2	117	6535	106/53	17.00	17.70	20.37	0.90		21.27	30.00	Pass
HE20	MCS0	2	149	6695	Full	19.60	19.90	22.76	0.90		23.66	30.00	Pass
HE20	MCS0	2	149	6695	26/4	12.40	12.00	15.21	0.90		16.11	30.00	Pass
HE20	MCS0	2	149	6695	52/38	13.70	13.90	16.81	0.90		17.71	30.00	Pass
HE20	MCS0	2	149	6695	106/53	17.10	17.70	20.42	0.90		21.32	30.00	Pass
HE20	MCS0	2	181	6855	Full	19.90	19.80	22.86	0.90		23.76	30.00	Pass
HE20	MCS0	2	181	6855	26/8	10.80	11.10	13.96	0.90		14.86	30.00	Pass
HE20	MCS0	2	181	6855	52/40	13.70	14.00	16.86	0.90		17.76	30.00	Pass
HE20	MCS0	2	181	6855	106/54	16.70	17.10	19.91	0.90		20.81	30.00	Pass
HE40	MCS0	2	123	6565	Full	19.80	20.20	23.01	0.90		23.91	30.00	Pass
HE40	MCS0	2	147	6685	Full	19.50	20.20	22.87	0.90		23.77	30.00	Pass
HE40	MCS0	2	179	6845	Full	19.80	20.00	22.91	0.90		23.81	30.00	Pass
HE80	MCS0	2	135	6625	Full	19.60	19.80	22.71	0.90		23.61	30.00	Pass
HE80	MCS0	2	151	6705	Full	19.60	19.80	22.71	0.90		23.61	30.00	Pass
HE80	MCS0	2	167	6785	Full	19.70	19.80	22.76	0.90		23.66	30.00	Pass
HE160	MCS0	2	143	6665	Full	19.40	20.10	22.77	0.90		23.67	30.00	Pass

Report Number : FR0D2942-18B

TEST RESULTS DATA
EIRP Power Spectral Density

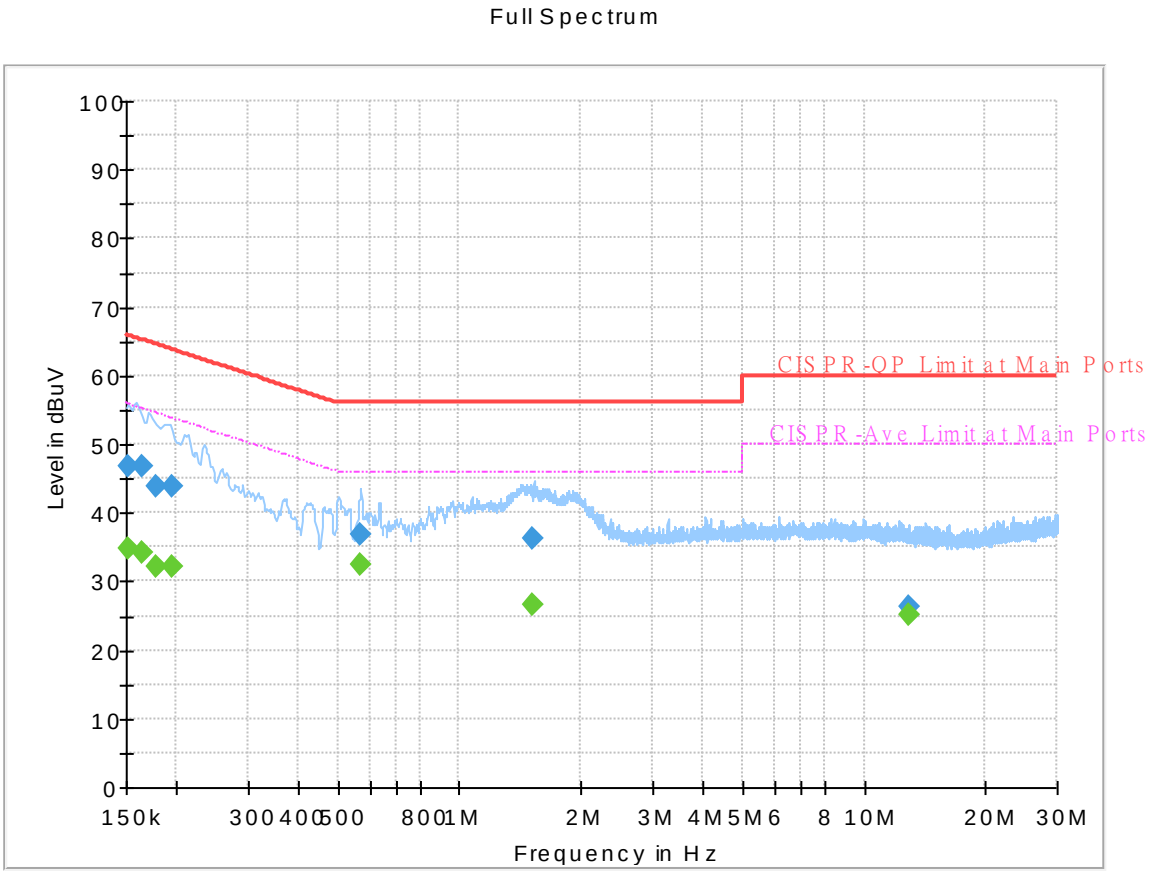
U-NII-7 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Conducted Power Density with Duty Factor (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 4	Ant 3	Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	117	6535	Full	0.18	0.18			11.60	3.47		15.07	17.00	Pass
HE20	MCS0	2	117	6535	26/0	0.49	0.48			11.53	3.47		15.00	17.00	Pass
HE20	MCS0	2	117	6535	52/37	0.52	0.52			11.41	3.47		14.88	17.00	Pass
HE20	MCS0	2	117	6535	106/53	0.58	0.58			11.53	3.47		15.00	17.00	Pass
HE20	MCS0	2	149	6695	Full	0.18	0.18			11.43	3.47		14.90	17.00	Pass
HE20	MCS0	2	149	6695	26/4	0.49	0.48			11.12	3.47		14.60	17.00	Pass
HE20	MCS0	2	149	6695	52/38	0.52	0.52			11.20	3.47		14.67	17.00	Pass
HE20	MCS0	2	149	6695	106/53	0.58	0.58			11.42	3.47		14.89	17.00	Pass
HE20	MCS0	2	181	6855	Full	0.18	0.18			11.62	3.47		15.09	17.00	Pass
HE20	MCS0	2	181	6855	26/8	0.49	0.48			11.32	3.47		14.79	17.00	Pass
HE20	MCS0	2	181	6855	52/40	0.52	0.52			11.28	3.47		14.75	17.00	Pass
HE20	MCS0	2	181	6855	106/54	0.58	0.58			11.20	3.47		14.67	17.00	Pass
HE40	MCS0	2	123	6565	Full	0.34	0.34			8.10	3.47		11.57	17.00	Pass
HE40	MCS0	2	147	6685	Full	0.34	0.34			7.73	3.47		11.20	17.00	Pass
HE40	MCS0	2	179	6845	Full	0.34	0.34			7.76	3.47		11.23	17.00	Pass
HE80	MCS0	2	135	6625	Full	0.42	0.43			4.73	3.47		8.20	17.00	Pass
HE80	MCS0	2	151	6705	Full	0.42	0.43			5.35	3.47		8.82	17.00	Pass
HE80	MCS0	2	167	6785	Full	0.42	0.43			5.43	3.47		8.90	17.00	Pass
HE160	MCS0	2	143	6665	Full	0.65	0.65			1.98	3.47		5.45	17.00	Pass

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	**Temperature :**	23~26℃
		Relative Humidity :	40~50%

EUT Information

Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



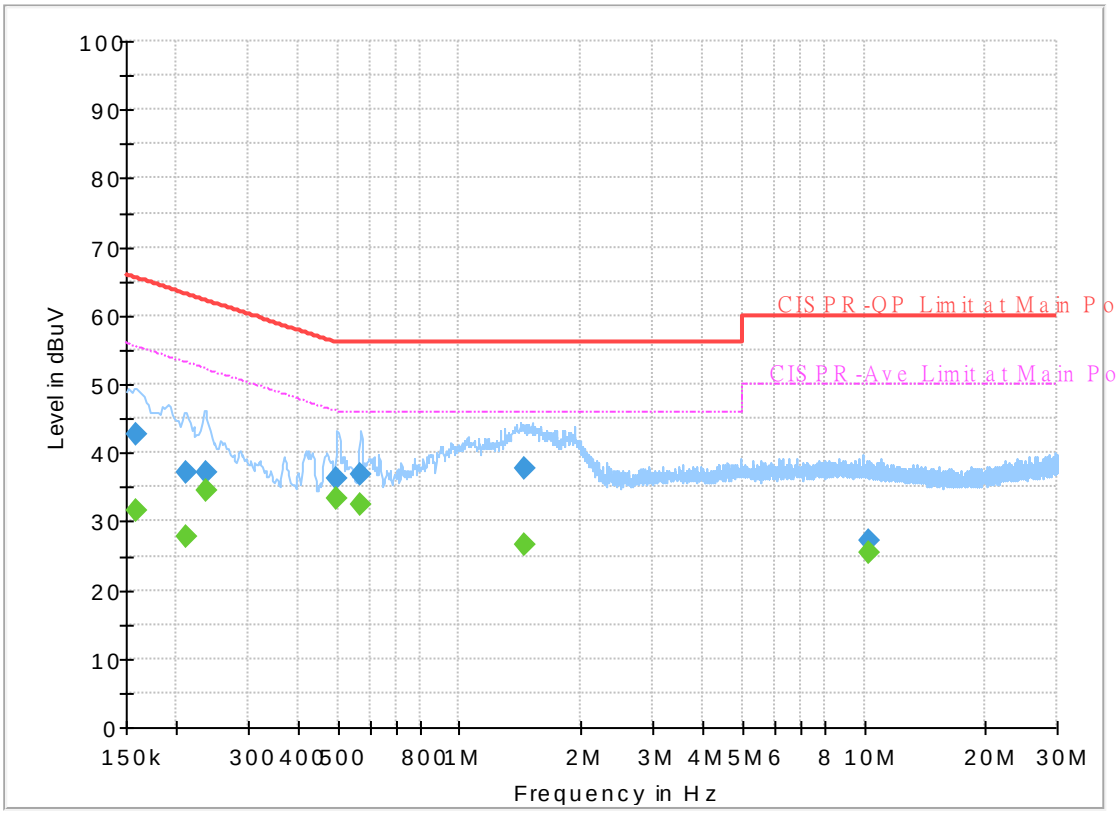
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	34.72	55.88	21.16	L1	OFF	19.5
0.152250	46.74	---	65.88	19.14	L1	OFF	19.5
0.163500	---	34.34	55.28	20.94	L1	OFF	19.5
0.163500	46.69	---	65.28	18.59	L1	OFF	19.5
0.177000	---	32.15	54.63	22.48	L1	OFF	19.5
0.177000	43.78	---	64.63	20.85	L1	OFF	19.5
0.193920	---	32.15	53.87	21.72	L1	OFF	19.5
0.193920	43.85	---	63.87	20.02	L1	OFF	19.5
0.568500	---	32.56	46.00	13.44	L1	OFF	19.7
0.568500	36.85	---	56.00	19.15	L1	OFF	19.7
1.523490	---	26.49	46.00	19.51	L1	OFF	20.0
1.523490	36.26	---	56.00	19.74	L1	OFF	20.0
12.874290	---	25.01	50.00	24.99	L1	OFF	20.1
12.874290	26.37	---	60.00	33.63	L1	OFF	20.1

EUT Information

Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	42.71	---	65.52	22.81	N	OFF	19.5
0.159000	---	31.68	55.52	23.84	N	OFF	19.5
0.210750	37.26	---	63.18	25.92	N	OFF	19.5
0.210750	---	27.78	53.18	25.40	N	OFF	19.5
0.235500	37.07	---	62.25	25.18	N	OFF	19.5
0.235500	---	34.47	52.25	17.78	N	OFF	19.5
0.498750	36.28	---	56.02	19.74	N	OFF	19.7
0.498750	---	33.22	46.02	12.80	N	OFF	19.7
0.570750	36.96	---	56.00	19.04	N	OFF	19.8
0.570750	---	32.39	46.00	13.61	N	OFF	19.8
1.446000	37.75	---	56.00	18.25	N	OFF	20.0
1.446000	---	26.64	46.00	19.36	N	OFF	20.0
10.290750	27.08	---	60.00	32.92	N	OFF	20.1
10.290750	---	25.49	50.00	24.51	N	OFF	20.1

Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	Temperature :	22.1~25.9°C
		Relative Humidity :	57.2~64%

Band 5 - 5925~6425MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
4+3		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		5922.58	60.44	-27.76	88.2	48.04	35.15	12.51	35.26	100	327	P	H
		5922.16	50.98	-17.22	68.2	38.57	35.16	12.51	35.26	100	327	A	H
	*	5955	111.83	-	-	99.47	35.1	12.55	35.29	100	327	P	H
	*	5955	104.46	-	-	92.1	35.1	12.55	35.29	100	327	A	H
													H
													H
		5924.82	59.91	-28.29	88.2	47.51	35.15	12.51	35.26	335	120	P	V
		5924.96	49.95	-18.25	68.2	37.55	35.15	12.51	35.26	335	120	A	V
	*	5955	108.59	-	-	96.23	35.1	12.55	35.29	335	120	P	V
	*	5955	101.2	-	-	88.84	35.1	12.55	35.29	335	120	A	V
													V
													V
802.11a CH 49 6195MHz		5864	50.81	-37.39	88.2	38.39	35.2	12.42	35.2	100	333	P	H
		5914.4	42.53	-25.67	68.2	30.11	35.17	12.5	35.25	100	333	A	H
	*	6195	111.02	-	-	97.82	35.59	12.82	35.21	100	333	P	H
	*	6195	103.8	-	-	90.6	35.59	12.82	35.21	100	333	A	H
													H
													H
		5889.2	50.36	-37.84	88.2	37.93	35.2	12.46	35.23	360	122	P	V
		5904.8	42.25	-25.95	68.2	29.82	35.19	12.48	35.24	360	122	P	V
	*	6195	110.24	-	-	97.04	35.59	12.82	35.21	360	122	P	V
	*	6195	103.15	-	-	89.95	35.59	12.82	35.21	360	122	A	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 93 6415MHz		5864.6	50.64	-37.56	88.2	38.22	35.2	12.42	35.2	114	313	P	H
		5915	42.11	-26.09	68.2	29.7	35.17	12.5	35.26	114	313	A	H
	*	6415	111.76	-	-	98.5	35.57	13.04	35.35	114	313	P	H
	*	6415	104.36	-	-	91.1	35.57	13.04	35.35	114	313	A	H
													H
													H
		5890.4	51.4	-36.8	88.2	38.97	35.2	12.46	35.23	353	125	P	V
		5900.6	42.01	-26.19	68.2	29.57	35.2	12.48	35.24	353	125	A	V
	*	6415	111.34	-	-	98.08	35.57	13.04	35.35	353	125	P	V
	*	6415	104.06	-	-	90.8	35.57	13.04	35.35	353	125	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 01 5955MHz		11910	43.44	-30.56	74	42.23	38.52	18.98	56.29	-	-	P	H
		13336	44.38	-29.62	74	42.82	39.13	20.37	57.94	-	-	P	H
		14499	46.46	-27.54	74	43.04	39.6	21.34	57.52	-	-	P	H
		15880	46.7	-27.3	74	40.04	40.86	21.99	56.19	-	-	P	H
		17865	55.7	-18.3	74	45.87	41.47	23.47	55.11	-	-	P	H
		17865	44.15	-9.85	54	34.32	41.47	23.47	55.11	-	-	A	H
													H
													H
													H
													H
													H
													H
		11910	44.14	-29.86	74	42.93	38.52	18.98	56.29	-	-	P	V
		13256	43.65	-30.35	74	42.24	39.07	20.27	57.93	-	-	P	V
		14499	44.87	-29.13	74	41.45	39.6	21.34	57.52	-	-	P	V
		15864	46.7	-27.3	74	40.1	40.83	21.98	56.21	-	-	P	V
		17865	63.45	-10.55	74	53.62	41.47	23.47	55.11	-	-	P	V
		17865	50.33	-3.67	54	40.5	41.47	23.47	55.11	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 49 6195MHz		12390	45.11	-28.89	74	43.33	38.98	19.41	56.61	-	-	P	H
		14499	46.68	-27.32	74	43.26	39.6	21.34	57.52	-	-	P	H
		15776	47.6	-26.4	74	41.39	40.63	21.94	56.36	-	-	P	H
		17840	50.49	-23.51	74	40.64	41.52	23.45	55.12	-	-	P	H
		17840	40.56	-13.44	54	30.71	41.52	23.45	55.12	-	-	A	H
		18585	57.06	-16.94	74	72.47	37.87	6.44	59.72	150	276	P	H
		18585	43.48	-10.52	54	58.89	37.87	6.44	59.72	150	276	A	H
													H
													H
													H
													H
													H
		12390	46.32	-27.68	74	44.54	38.98	19.41	56.61	-	-	P	V
		14499	46.85	-27.15	74	43.43	39.6	21.34	57.52	-	-	P	V
		16152	47.92	-26.08	74	40.63	41.2	22.18	56.09	-	-	P	V
		17784	50.81	-23.19	74	40.98	41.58	23.4	55.15	-	-	P	V
		17784	39.6	-14.4	54	29.77	41.58	23.4	55.15	-	-	A	V
		18585	62.24	-11.76	74	77.65	37.87	6.44	59.72	150	257	P	V
		18585	49.37	-4.63	54	64.78	37.87	6.44	59.72	150	257	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 93 6415MHz		12830	44.77	-43.43	88.2	43.23	39.23	19.81	57.5	-	-	P	H
		14499	46.42	-27.58	74	43	39.6	21.34	57.52	-	-	P	H
		15888	47.98	-26.02	74	41.28	40.88	21.99	56.17	-	-	P	H
		17752	50.94	-23.06	74	41.17	41.55	23.38	55.16	-	-	P	H
		17752	40.02	-13.98	54	30.25	41.55	23.38	55.16	-	-	A	H
		19245	54.31	-19.69	74	69.48	37.9	6.73	59.8	150	245	P	H
		19245	45.08	-8.92	54	60.25	37.9	6.73	59.8	150	245	A	H
													H
													H
													H
													H
													H
		12830	44.95	-43.25	88.2	43.41	39.23	19.81	57.5	-	-	P	V
		14499	47.32	-26.68	74	43.9	39.6	21.34	57.52	-	-	P	V
		15848	47.42	-26.58	74	40.89	40.8	21.97	56.24	-	-	P	V
		17824	50.21	-23.79	74	40.36	41.55	23.43	55.13	-	-	P	V
		17824	39.91	-14.09	54	30.06	41.55	23.43	55.13	-	-	A	V
		19245	61.27	-12.73	74	76.44	37.9	6.73	59.8	150	262	P	V
		19245	50.32	-3.68	54	65.49	37.9	6.73	59.8	150	262	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 5 5925~6425MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5923.14	62.98	-25.22	88.2	50.58	35.15	12.51	35.26	100	327	P	H
		5924.68	52.58	-15.62	68.2	40.18	35.15	12.51	35.26	100	327	A	H
	*	5955	110.86	-	-	98.5	35.1	12.55	35.29	100	327	P	H
	*	5955	102	-	-	89.64	35.1	12.55	35.29	100	327	A	H
802.11ax													H
HE20 Full													H
CH 01		5924.4	59.38	-28.82	88.2	46.98	35.15	12.51	35.26	319	139	P	V
5955MHz		5924.96	50.83	-17.37	68.2	38.43	35.15	12.51	35.26	319	139	A	V
	*	5955	109.37	-	-	97.01	35.1	12.55	35.29	319	139	P	V
	*	5955	100.16	-	-	87.8	35.1	12.55	35.29	319	139	A	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 49 6195MHz		5885.42	51.53	-36.67	88.2	39.11	35.2	12.45	35.23	100	327	P	H
		5921.52	42.9	-25.3	68.2	30.49	35.16	12.51	35.26	100	327	A	H
	*	6195	111.1	-	-	97.9	35.59	12.82	35.21	100	327	P	H
	*	6195	102.3	-	-	89.1	35.59	12.82	35.21	100	327	A	H
													H
													H
		5907.46	51.47	-36.73	88.2	39.04	35.19	12.49	35.25	360	120	P	V
		5907.46	42.88	-25.32	68.2	30.45	35.19	12.49	35.25	360	120	A	V
	*	6195	110.97	-	-	97.77	35.59	12.82	35.21	360	120	P	V
	*	6195	102.1	-	-	88.9	35.59	12.82	35.21	360	120	A	V
													V
													V
802.11ax HE20 Full CH 93 6415MHz		5921.6	51.13	-37.07	88.2	38.72	35.16	12.51	35.26	108	319	P	H
		5913.8	42.17	-26.03	68.2	29.75	35.17	12.5	35.25	108	319	A	H
	*	6415	110.33	-	-	97.07	35.57	13.04	35.35	108	319	P	H
	*	6415	101.66	-	-	88.4	35.57	13.04	35.35	108	319	A	H
													H
													H
		5871.8	50.7	-37.5	88.2	38.28	35.2	12.43	35.21	299	40	P	V
		5898.8	41.92	-26.28	68.2	29.49	35.2	12.47	35.24	299	40	A	V
	*	6415	111.98	-	-	98.72	35.57	13.04	35.35	299	40	P	V
	*	6415	102.46	-	-	89.2	35.57	13.04	35.35	299	40	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11910	43.98	-30.02	74	42.77	38.52	18.98	56.29	-	-	P	H
		13320	45.07	-28.93	74	43.49	39.16	20.35	57.93	-	-	P	H
		14496	47.74	-26.26	74	44.33	39.59	21.34	57.52	-	-	P	H
		15936	47.84	-26.16	74	40.96	40.94	22.03	56.09	-	-	P	H
		17865	55.44	-18.56	74	45.61	41.47	23.47	55.11	-	-	P	H
		17865	44.5	-9.5	54	34.67	41.47	23.47	55.11	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 01		11910	44.35	-29.65	74	43.14	38.52	18.98	56.29	-	-	P	V
5955MHz		13328	43.69	-30.31	74	42.13	39.14	20.36	57.94	-	-	P	V
		14488	45.12	-28.88	74	41.73	39.58	21.33	57.52	-	-	P	V
		15912	46.08	-27.92	74	39.28	40.91	22.02	56.13	-	-	P	V
		17865	61.99	-12.01	74	52.16	41.47	23.47	55.11	-	-	P	V
		17865	50.69	-3.31	54	40.86	41.47	23.47	55.11	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12390	44.54	-29.46	74	42.76	38.98	19.41	56.61	-	-	P	H
		14499	46.89	-27.11	74	43.47	39.6	21.34	57.52	-	-	P	H
		16160	47.72	-26.28	74	40.43	41.2	22.18	56.09	-	-	P	H
		17792	50.39	-23.61	74	40.54	41.59	23.41	55.15	-	-	P	H
		17792	39.97	-14.03	54	30.12	41.59	23.41	55.15	-	-	A	H
		18585	54.67	-19.33	74	70.08	37.87	6.44	59.72	150	273	P	H
		18585	44.68	-9.32	54	60.09	37.87	6.44	59.72	150	273	A	H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 49		12390	45.99	-28.01	74	44.21	38.98	19.41	56.61	-	-	P	V
6195MHz		14499	47.09	-26.91	74	43.67	39.6	21.34	57.52	-	-	P	V
		15888	47.59	-26.41	74	40.89	40.88	21.99	56.17	-	-	P	V
		17720	50.13	-23.87	74	40.44	41.52	23.35	55.18	-	-	P	V
		17720	39.6	-14.4	54	29.91	41.52	23.35	55.18	-	-	A	V
		18585	58.98	-15.02	74	74.39	37.87	6.44	59.72	150	181	P	V
		18585	50.73	-3.27	54	66.14	37.87	6.44	59.72	150	181	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12830	44.71	-43.49	88.2	43.17	39.23	19.81	57.5	-	-	P	H
		14499	47.45	-26.55	74	44.03	39.6	21.34	57.52	-	-	P	H
		15880	47.75	-26.25	74	41.09	40.86	21.99	56.19	-	-	P	H
		17720	50.15	-23.85	74	40.46	41.52	23.35	55.18	-	-	P	H
		17720	39.93	-14.07	54	30.24	41.52	23.35	55.18	-	-	A	H
		19245	51.45	-22.55	74	66.62	37.9	6.73	59.8	150	246	P	H
		19245	42.46	-11.54	54	57.63	37.9	6.73	59.8	150	246	A	H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 93		12830	45.2	-43	88.2	43.66	39.23	19.81	57.5	-	-	P	V
6415MHz		14499	46.33	-27.67	74	42.91	39.6	21.34	57.52	-	-	P	V
		15928	47.53	-26.47	74	40.69	40.93	22.02	56.11	-	-	P	V
		17928	50.1	-23.9	74	40.25	41.43	23.5	55.08	-	-	P	V
		17928	40	-14	54	30.15	41.43	23.5	55.08	-	-	A	V
		19245	59.99	-14.01	74	75.16	37.9	6.73	59.8	150	353	P	V
		19245	49.69	-4.31	54	64.86	37.9	6.73	59.8	150	353	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 5 5925~6425MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5924.7	75.48	-12.72	88.2	63.08	35.15	12.51	35.26	100	334	P	H
		5924.34	65.44	-2.76	68.2	53.04	35.15	12.51	35.26	100	334	A	H
	*	5965	107.65	-	-	95.29	35.1	12.57	35.31	100	334	P	H
	*	5965	99.01	-	-	86.65	35.1	12.57	35.31	100	334	A	H
802.11ax													H
HE40 Full													H
CH 03		5923.8	71.33	-16.87	88.2	58.93	35.15	12.51	35.26	318	138	P	V
5965MHz		5925	64.19	-4.01	68.2	51.79	35.15	12.51	35.26	318	138	A	V
	*	5965	107.59	-	-	95.23	35.1	12.57	35.31	318	138	P	V
	*	5965	97.56	-	-	85.2	35.1	12.57	35.31	318	138	A	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 51 6205MHz		5874.6	51.14	-37.06	88.2	38.71	35.2	12.44	35.21	100	264	P	H
		5896.2	41.92	-26.28	68.2	29.49	35.2	12.47	35.24	100	264	A	H
	*	6205	105.37	-	-	92.16	35.59	12.83	35.21	100	264	P	H
	*	6205	97.01	-	-	83.8	35.59	12.83	35.21	100	264	A	H
													H
													H
		5852.2	50.41	-37.79	88.2	37.99	35.2	12.41	35.19	400	32	P	V
		5912.2	42.03	-26.17	68.2	29.61	35.18	12.49	35.25	400	32	A	V
	*	6205	106.14	-	-	92.93	35.59	12.83	35.21	400	32	P	V
	*	6205	97.81	-	-	84.6	35.59	12.83	35.21	400	32	A	V
													V
													V
802.11ax HE40 Full CH 91 6405MHz		5903	51.31	-36.89	88.2	38.88	35.19	12.48	35.24	100	273	P	H
		5904.2	41.84	-26.36	68.2	29.41	35.19	12.48	35.24	100	273	A	H
	*	6405	104.67	-	-	91.4	35.59	13.02	35.34	100	273	P	H
	*	6405	96.43	-	-	83.16	35.59	13.02	35.34	100	273	A	H
													H
													H
		5916.2	51.06	-37.14	88.2	38.65	35.17	12.5	35.26	300	49	P	V
		5904.8	41.88	-26.32	68.2	29.45	35.19	12.48	35.24	300	49	A	V
	*	6405	106.89	-	-	93.62	35.59	13.02	35.34	300	49	P	V
	*	6405	97.67	-	-	84.4	35.59	13.02	35.34	300	49	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11930	43.7	-30.3	74	42.41	38.56	19	56.27	-	-	P	H
		13376	44.92	-29.08	74	43.39	39.05	20.42	57.94	-	-	P	H
		14496	46.07	-27.93	74	42.66	39.59	21.34	57.52	-	-	P	H
		15944	47.73	-26.27	74	40.84	40.94	22.03	56.08	-	-	P	H
		17895	54.84	-19.16	74	45.04	41.41	23.49	55.1	-	-	P	H
		17895	43.73	-10.27	54	33.93	41.41	23.49	55.1	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 03		11930	44.05	-29.95	74	42.76	38.56	19	56.27	-	-	P	V
5965MHz		13312	45.32	-28.68	74	43.72	39.18	20.35	57.93	-	-	P	V
		14496	46.97	-27.03	74	43.56	39.59	21.34	57.52	-	-	P	V
		15960	47.14	-26.86	74	40.2	40.96	22.04	56.06	-	-	P	V
		17895	61.24	-12.76	74	51.44	41.41	23.49	55.1	-	-	P	V
		17895	50.24	-3.76	54	40.44	41.41	23.49	55.1	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12410	43.88	-30.12	74	42.07	39.01	19.43	56.63	-	-	P	H
		14499	47.96	-26.04	74	44.54	39.6	21.34	57.52	-	-	P	H
		15960	47.39	-26.61	74	40.45	40.96	22.04	56.06	-	-	P	H
		17792	50.09	-23.91	74	40.24	41.59	23.41	55.15	-	-	P	H
		17792	40.11	-13.89	54	30.26	41.59	23.41	55.15	-	-	A	H
		18615	45.29	-28.71	74	60.66	37.89	6.46	59.72	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 51		12410	44.49	-29.51	74	42.68	39.01	19.43	56.63	-	-	P	V
6205MHz		14499	47.17	-26.83	74	43.75	39.6	21.34	57.52	-	-	P	V
		15896	47.46	-26.54	74	40.73	40.89	22	56.16	-	-	P	V
		17816	50.61	-23.39	74	40.74	41.57	23.43	55.13	-	-	P	V
		17816	40.27	-13.73	54	30.4	41.57	23.43	55.13	-	-	A	V
		18615	54.05	-19.95	74	69.42	37.89	6.46	59.72	150	182	P	V
		18615	43.43	-10.57	54	58.8	37.89	6.46	59.72	150	182	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12810	44.09	-44.11	88.2	42.54	39.21	19.79	57.45	-	-	P	H
		14499	46.7	-27.3	74	43.28	39.6	21.34	57.52	-	-	P	H
		16152	47.46	-26.54	74	40.17	41.2	22.18	56.09	-	-	P	H
		17928	50.49	-23.51	74	40.64	41.43	23.5	55.08	-	-	P	H
		17928	40.21	-13.79	54	30.36	41.43	23.5	55.08	-	-	A	H
		19215	46.42	-27.58	74	61.62	37.88	6.72	59.8	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 91		12810	44.38	-43.82	88.2	42.83	39.21	19.79	57.45	-	-	P	V
6405MHz		14499	46.54	-27.46	74	43.12	39.6	21.34	57.52	-	-	P	V
		15776	47.15	-26.85	74	40.94	40.63	21.94	56.36	-	-	P	V
		17856	50.31	-23.69	74	40.48	41.49	23.46	55.12	-	-	P	V
		17856	40.26	-13.74	54	30.43	41.49	23.46	55.12	-	-	A	V
		19215	53.41	-20.59	74	68.61	37.88	6.72	59.8	150	262	P	V
		19215	42.84	-11.16	54	58.04	37.88	6.72	59.8	150	262	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5923.88	73.39	-14.81	88.2	60.99	35.15	12.51	35.26	100	327	P	H
		5924.04	65.78	-2.42	68.2	53.38	35.15	12.51	35.26	100	327	A	H
	*	5985	104.97	-	-	92.6	35.1	12.6	35.33	100	327	P	H
	*	5985	95.87	-	-	83.5	35.1	12.6	35.33	100	327	A	H
802.11ax													H
HE80 Full													H
CH 07		5915.88	73.98	-14.22	88.2	61.57	35.17	12.5	35.26	300	139	P	V
5985MHz		5924.52	64.39	-3.81	68.2	51.99	35.15	12.51	35.26	300	139	A	V
	*	5985	103.26	-	-	90.89	35.1	12.6	35.33	300	139	P	V
	*	5985	94.57	-	-	82.2	35.1	12.6	35.33	300	139	A	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5871.84	52.65	-35.55	88.2	40.23	35.2	12.43	35.21	100	328	P	H
		5910.36	45.31	-22.89	68.2	32.89	35.18	12.49	35.25	100	328	A	H
	*	6225	104.74	-	-	91.57	35.55	12.85	35.23	100	328	P	H
	*	6225	96.38	-	-	83.21	35.55	12.85	35.23	100	328	A	H
802.11ax													H
HE80 Full													H
CH 55		5920.8	52.71	-35.49	88.2	40.3	35.16	12.51	35.26	350	132	P	V
6225MHz		5919.36	44.86	-23.34	68.2	32.46	35.16	12.5	35.26	350	132	A	V
	*	6225	105.28	-	-	92.11	35.55	12.85	35.23	350	132	P	V
	*	6225	96.28	-	-	83.11	35.55	12.85	35.23	350	132	A	V
													V
													V
		5924.28	51.52	-36.68	88.2	39.12	35.15	12.51	35.26	100	318	P	H
		5894.12	43.76	-24.44	68.2	31.32	35.2	12.47	35.23	100	318	A	H
	*	6385	102.96	-	-	89.72	35.57	13	35.33	100	318	P	H
	*	6385	95.69	-	-	82.45	35.57	13	35.33	100	318	A	H
802.11ax													H
HE80 Full													H
CH 87		5908.68	51.28	-36.92	88.2	38.86	35.18	12.49	35.25	340	132	P	V
6385MHz		5923.76	43.67	-24.53	68.2	31.27	35.15	12.51	35.26	340	132	A	V
	*	6385	104.21	-	-	90.97	35.57	13	35.33	340	132	P	V
	*	6385	96.19	-	-	82.95	35.57	13	35.33	340	132	A	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11970	43.81	-30.19	74	42.35	38.64	19.03	56.21	-	-	P	H
		13328	44.91	-29.09	74	43.35	39.14	20.36	57.94	-	-	P	H
		14488	46.53	-27.47	74	43.14	39.58	21.33	57.52	-	-	P	H
		15888	47.99	-26.01	74	41.29	40.88	21.99	56.17	-	-	P	H
		17955	49.53	-24.47	74	39.61	41.46	23.53	55.07	-	-	P	H
		17955	39.86	-14.14	54	29.94	41.46	23.53	55.07	-	-	A	H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 07		11970	43.69	-30.31	74	42.23	38.64	19.03	56.21	-	-	P	V
5985MHz		13328	45.37	-28.63	74	43.81	39.14	20.36	57.94	-	-	P	V
		14488	46.59	-27.41	74	43.2	39.58	21.33	57.52	-	-	P	V
		15952	47.29	-26.71	74	40.37	40.95	22.04	56.07	-	-	P	V
		17955	54.96	-19.04	74	45.04	41.46	23.53	55.07	-	-	P	V
		17955	45.81	-8.19	54	35.89	41.46	23.53	55.07	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12450	44.67	-29.33	74	42.83	39.05	19.46	56.67	-	-	P	H
		14499	46.12	-27.88	74	42.7	39.6	21.34	57.52	-	-	P	H
		15968	47.21	-26.79	74	40.24	40.97	22.04	56.04	-	-	P	H
		17744	50.02	-23.98	74	40.28	41.54	23.37	55.17	-	-	P	H
		17744	39.78	-14.22	54	30.04	41.54	23.37	55.17	-	-	A	H
		18675	45.44	-28.56	74	60.75	37.95	6.48	59.74	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 55		12450	43.66	-30.34	74	41.82	39.05	19.46	56.67	-	-	P	V
6225MHz		14499	46.38	-27.62	74	42.96	39.6	21.34	57.52	-	-	P	V
		15904	48.43	-25.57	74	41.67	40.9	22.01	56.15	-	-	P	V
		17736	50.54	-23.46	74	40.8	41.54	23.37	55.17	-	-	P	V
		17736	40.27	-13.73	54	30.53	41.54	23.37	55.17	-	-	A	V
		18675	50.2	-23.8	74	65.51	37.95	6.48	59.74	150	182	P	V
		18675	41.82	-12.18	54	57.13	37.95	6.48	59.74	150	182	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12770	44.35	-43.85	88.2	42.76	39.2	19.75	57.36	-	-	P	H
		14499	46.32	-27.68	74	42.9	39.6	21.34	57.52	-	-	P	H
		15896	47.93	-26.07	74	41.2	40.89	22	56.16	-	-	P	H
		17928	50.63	-23.37	74	40.78	41.43	23.5	55.08	-	-	P	H
		17928	40.34	-13.66	54	30.49	41.43	23.5	55.08	-	-	A	H
		19155	43.25	-30.75	74	58.5	37.86	6.69	59.8	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 87		12770	44.54	-43.66	88.2	42.95	39.2	19.75	57.36	-	-	P	V
6385MHz		14499	46.67	-27.33	74	43.25	39.6	21.34	57.52	-	-	P	V
		15976	47.86	-26.14	74	40.86	40.98	22.05	56.03	-	-	P	V
		17736	50.45	-23.55	74	40.71	41.54	23.37	55.17	-	-	P	V
		17736	40.11	-13.89	54	30.37	41.54	23.37	55.17	-	-	A	V
		19155	49.77	-24.23	74	65.02	37.86	6.69	59.8	150	353	P	V
		19155	41.1	-12.9	54	56.35	37.86	6.69	59.8	150	353	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 5 5925~6425MHz

WIFI 802.11ax HE160 Full (Band Edge @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE160 Full CH 15 6025MHz		5909.8	72.51	-15.69	88.2	60.09	35.18	12.49	35.25	100	326	P	H
		5908.84	65.54	-2.66	68.2	53.12	35.18	12.49	35.25	100	326	A	H
	*	6025	100.86	-	-	88.43	35.1	12.65	35.32	100	326	P	H
	*	6025	92.28	-	-	79.85	35.1	12.65	35.32	100	326	A	H
													H
													H
		5909.48	72.98	-15.22	88.2	60.56	35.18	12.49	35.25	359	110	P	V
		5908.84	64.33	-3.87	68.2	51.91	35.18	12.49	35.25	359	110	A	V
	*	6025	98.46	-	-	86.03	35.1	12.65	35.32	359	110	P	V
	*	6025	90.44	-	-	78.01	35.1	12.65	35.32	359	110	A	V
													V
													V
802.11ax HE160 Full CH 47 6185MHz		5919.4	58.59	-29.61	88.2	46.19	35.16	12.5	35.26	100	335	P	H
		5918.84	50.94	-17.26	68.2	38.54	35.16	12.5	35.26	100	335	A	H
	*	6185	102.13	-	-	88.97	35.57	12.81	35.22	100	335	P	H
	*	6185	94.62	-	-	81.46	35.57	12.81	35.22	100	335	A	H
													H
													H
		5918.84	56.33	-31.87	88.2	43.93	35.16	12.5	35.26	320	136	P	V
		5923.88	49.3	-18.9	68.2	36.9	35.15	12.51	35.26	320	136	A	V
	*	6185	101.69	-	-	88.53	35.57	12.81	35.22	320	136	P	V
	*	6185	93.93	-	-	80.77	35.57	12.81	35.22	320	136	A	V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5903.16	52.63	-35.57	88.2	40.2	35.19	12.48	35.24	100	71	P	H
		5923.88	44.92	-23.28	68.2	32.52	35.15	12.51	35.26	100	71	A	H
	*	6345	101.8	-	-	88.63	35.51	12.96	35.3	100	71	P	H
	*	6345	93.01	-	-	79.84	35.51	12.96	35.3	100	71	A	H
802.11ax													H
HE160 Full													H
CH 79		5907.64	52.42	-35.78	88.2	40	35.18	12.49	35.25	309	131	P	V
6345MHz		5908.2	44.09	-24.11	68.2	31.67	35.18	12.49	35.25	309	131	A	V
	*	6345	100.86	-	-	87.69	35.51	12.96	35.3	309	131	P	V
	*	6345	93.39	-	-	80.22	35.51	12.96	35.3	309	131	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12050	42.94	-31.06	74	41.27	38.8	19.1	56.23	-	-	P	H
		14499	47.35	-26.65	74	43.93	39.6	21.34	57.52	-	-	P	H
		15952	47.53	-26.47	74	40.61	40.95	22.04	56.07	-	-	P	H
		17712	50.51	-23.49	74	40.83	41.51	23.35	55.18	-	-	P	H
		17712	39.92	-14.08	54	30.24	41.51	23.35	55.18	-	-	A	H
		18075	35.44	-38.56	74	51.29	37.54	6.22	59.61	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 15		12050	43.27	-30.73	74	41.6	38.8	19.1	56.23	-	-	P	V
6025MHz		14499	46.35	-27.65	74	42.93	39.6	21.34	57.52	-	-	P	V
		15880	47.7	-26.3	74	41.04	40.86	21.99	56.19	-	-	P	V
		17784	49.94	-24.06	74	40.11	41.58	23.4	55.15	-	-	P	V
		17784	39.8	-14.2	54	29.97	41.58	23.4	55.15	-	-	A	V
		18075	37.81	-36.19	74	53.66	37.54	6.22	59.61	-	-	P	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12370	44.22	-29.78	74	42.47	38.94	19.39	56.58	-	-	P	H
		14499	46.44	-27.56	74	43.02	39.6	21.34	57.52	-	-	P	H
		15880	47.69	-26.31	74	41.03	40.86	21.99	56.19	-	-	P	H
		17840	50.91	-23.09	74	41.06	41.52	23.45	55.12	-	-	P	H
		17840	40.54	-13.46	54	30.69	41.52	23.45	55.12	-	-	A	H
		18555	40.18	-33.82	74	55.62	37.84	6.43	59.71	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 47		12370	45.04	-28.96	74	43.29	38.94	19.39	56.58	-	-	P	V
6185MHz		14499	46.68	-27.32	74	43.26	39.6	21.34	57.52	-	-	P	V
		15880	47.73	-26.27	74	41.07	40.86	21.99	56.19	-	-	P	V
		17760	50.49	-23.51	74	40.71	41.56	23.38	55.16	-	-	P	V
		17760	40.04	-13.96	54	30.26	41.56	23.38	55.16	-	-	A	V
		18555	48.98	-25.02	74	64.42	37.84	6.43	59.71	150	179	P	V
		18555	41.12	-12.88	54	56.56	37.84	6.43	59.71	150	179	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		12690	44.3	-29.7	74	42.6	39.19	19.68	57.17	-	-	P	H
		14499	47.17	-26.83	74	43.75	39.6	21.34	57.52	-	-	P	H
		15952	48.43	-25.57	74	41.51	40.95	22.04	56.07	-	-	P	H
		17792	50.5	-23.5	74	40.65	41.59	23.41	55.15	-	-	P	H
		17792	40.32	-13.68	54	30.47	41.59	23.41	55.15	-	-	A	H
		19035	41.51	-32.49	74	56.85	37.82	6.64	59.8	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 79		12690	44.05	-29.95	74	42.35	39.19	19.68	57.17	-	-	P	V
6345MHz		14499	46.87	-27.13	74	43.45	39.6	21.34	57.52	-	-	P	V
		15968	47.6	-26.4	74	40.63	40.97	22.04	56.04	-	-	P	V
		17752	50.94	-23.06	74	41.17	41.55	23.38	55.16	-	-	P	V
		17752	40.58	-13.42	54	30.81	41.55	23.38	55.16	-	-	A	V
		19035	50.12	-23.88	74	65.46	37.82	6.64	59.8	150	179	P	V
		19035	38.88	-15.12	54	54.22	37.82	6.64	59.8	150	179	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 7 - 6525~6875MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 117 6535MHz		13070	43.89	-44.31	88.2	42.68	39.06	20.05	57.9	-	-	P	H
		14499	46.67	-27.33	74	43.25	39.6	21.34	57.52	-	-	P	H
		15896	47.35	-26.65	74	40.62	40.89	22	56.16	-	-	P	H
		17744	50.32	-23.68	74	40.58	41.54	23.37	55.17	-	-	P	H
		17744	40.97	-13.03	54	31.23	41.54	23.37	55.17	-	-	A	H
		19605	50.02	-23.98	74	65.41	37.54	6.89	59.82	150	321	P	H
		19605	42.71	-11.29	54	58.1	37.54	6.89	59.82	150	321	A	H
													H
													H
													H
													H
													H
		13070	46.43	-41.77	88.2	45.22	39.06	20.05	57.9	-	-	P	V
		14499	46.98	-27.02	74	43.56	39.6	21.34	57.52	-	-	P	V
		16160	47.74	-26.26	74	40.45	41.2	22.18	56.09	-	-	P	V
		17776	50.37	-23.63	74	40.54	41.58	23.4	55.15	-	-	P	V
		17776	41.54	-12.46	54	31.71	41.58	23.4	55.15	-	-	A	V
		19605	56.91	-17.09	74	72.3	37.54	6.89	59.82	150	44	P	V
		19605	50.5	-3.5	54	65.89	37.54	6.89	59.82	150	44	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 6695MHz		13390	44.27	-29.73	74	42.75	39.02	20.44	57.94	-	-	P	H
		14499	47.24	-26.76	74	43.82	39.6	21.34	57.52	-	-	P	H
		15880	47.97	-26.03	74	41.31	40.86	21.99	56.19	-	-	P	H
		17816	50.93	-23.07	74	41.06	41.57	23.43	55.13	-	-	A	H
		17816	41.44	-12.56	54	31.57	41.57	23.43	55.13	-	-	P	H
		20085	43.23	-30.77	74	58.41	37.64	7.1	59.92	-	-	P	H
													H
													H
													H
													H
													H
													H
		13390	43.62	-30.38	74	42.1	39.02	20.44	57.94	-	-	P	V
		14499	47.07	-26.93	74	43.65	39.6	21.34	57.52	-	-	A	V
		15760	47.55	-26.45	74	41.42	40.58	21.93	56.38	-	-	P	V
		17768	50.09	-23.91	74	40.29	41.57	23.39	55.16	-	-	P	V
		17768	41.47	-12.53	54	31.67	41.57	23.39	55.16	-	-	A	V
		20085	54.46	-19.54	74	69.64	37.64	7.1	59.92	150	45	P	V
		20085	47.77	-6.23	54	62.95	37.64	7.1	59.92	150	45	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 181 6855MHz		13710	46.61	-41.59	88.2	44.85	38.78	20.82	57.84	-	-	P	H
		14499	46.94	-27.06	74	43.52	39.6	21.34	57.52	-	-	P	H
		15888	47.97	-26.03	74	41.27	40.88	21.99	56.17	-	-	P	H
		17720	50.13	-23.87	74	40.44	41.52	23.35	55.18	-	-	P	H
		17720	41.34	-12.66	54	31.65	41.52	23.35	55.18	-	-	A	H
		20565	43.36	-30.64	74	58.16	37.9	7.3	60	-	-	P	H
													H
													H
													H
													H
													H
													H
		13710	45.22	-42.98	88.2	43.46	38.78	20.82	57.84	-	-	P	V
		14499	47.17	-26.83	74	43.75	39.6	21.34	57.52	-	-	P	V
		15944	47.7	-26.3	74	40.81	40.94	22.03	56.08	-	-	P	V
		17744	50.58	-23.42	74	40.84	41.54	23.37	55.17	-	-	P	V
		17744	41.73	-12.27	54	31.99	41.54	23.37	55.17	-	-	A	V
		20565	53.34	-20.66	74	68.14	37.9	7.3	60	150	345	P	V
		20565	48.15	-5.85	54	62.95	37.9	7.3	60	150	345	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 7 - 6525~6875MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13070	44.69	-43.51	88.2	43.48	39.06	20.05	57.9	-	-	P	H
		14499	47.17	-26.83	74	43.75	39.6	21.34	57.52	-	-	P	H
		15872	48.96	-25.04	74	42.33	40.84	21.99	56.2	-	-	P	H
		15872	39.29	-14.71	54	32.66	40.84	21.99	56.2	-	-	A	H
		17792	51.09	-22.91	74	41.24	41.59	23.41	55.15	-	-	P	H
		17792	41.39	-12.61	54	31.54	41.59	23.41	55.15	-	-	A	H
		19605	46.68	-27.32	74	62.07	37.54	6.89	59.82	-	-	P	H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 117		13070	46.56	-41.64	88.2	45.35	39.06	20.05	57.9	-	-	P	V
6535MHz		14499	46.95	-27.05	74	43.53	39.6	21.34	57.52	-	-	P	V
		15888	48.13	-25.87	74	41.43	40.88	21.99	56.17	-	-	P	V
		15888	38.41	-15.59	54	31.71	40.88	21.99	56.17	-	-	A	V
		17720	50.43	-23.57	74	40.74	41.52	23.35	55.18	-	-	P	V
		17720	39.99	-14.01	54	30.3	41.52	23.35	55.18	-	-	A	V
		19605	57.83	-16.17	74	73.22	37.54	6.89	59.82	150	43	P	V
		19605	49.36	-4.64	54	64.75	37.54	6.89	59.82	150	43	A	V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13390	43.62	-30.38	74	42.1	39.02	20.44	57.94	-	-	P	V
		14499	47.33	-26.67	74	43.91	39.6	21.34	57.52	-	-	P	H
		15880	47.71	-26.29	74	41.05	40.86	21.99	56.19	-	-	P	H
		17736	50.68	-23.32	74	40.94	41.54	23.37	55.17	-	-	P	H
		17736	41.1	-12.9	54	31.36	41.54	23.37	55.17	-	-	A	H
		20085	40.27	-33.73	74	55.45	37.64	7.1	59.92	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 149		13390	43.62	-30.38	74	42.1	39.02	20.44	57.94	-	-	P	H
6695MHz		14499	47.25	-26.75	74	43.83	39.6	21.34	57.52	-	-	P	V
		15952	48.33	-25.67	74	41.41	40.95	22.04	56.07	-	-	P	V
		15952	38.35	-15.65	54	31.43	40.95	22.04	56.07	-	-	A	V
		17800	51.05	-22.95	74	41.18	41.6	23.41	55.14	-	-	P	V
		17800	41.11	-12.89	54	31.24	41.6	23.41	55.14	-	-	A	V
		20085	49.45	-24.55	74	64.63	37.64	7.1	59.92	150	341	P	V
		20085	44.13	-9.87	54	59.31	37.64	7.1	59.92	150	341	A	V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13710	44.92	-43.28	88.2	43.16	38.78	20.82	57.84	-	-	P	H
		14499	46.93	-27.07	74	43.51	39.6	21.34	57.52	-	-	P	H
		15880	47.81	-26.19	74	41.15	40.86	21.99	56.19	-	-	P	H
		17720	51.18	-22.82	74	41.49	41.52	23.35	55.18	-	-	P	H
		17720	41.29	-12.71	54	31.6	41.52	23.35	55.18	-	-	A	H
		20565	42.03	-31.97	74	56.83	37.9	7.3	60	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 181		13710	45.76	-42.44	88.2	44	38.78	20.82	57.84	-	-	P	V
6855MHz		14499	46.8	-27.2	74	43.38	39.6	21.34	57.52	-	-	P	V
		15760	47.61	-26.39	74	41.48	40.58	21.93	56.38	-	-	P	V
		17816	51.24	-22.76	74	41.37	41.57	23.43	55.13	-	-	P	V
		17816	41.38	-12.62	54	31.51	41.57	23.43	55.13	-	-	A	V
		20565	51.6	-22.4	74	66.4	37.9	7.3	60	150	344	P	V
		20565	44.95	-9.05	54	59.75	37.9	7.3	60	150	344	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 7 - 6525~6875MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13128	46.19	-42.01	88.2	45.02	38.97	20.11	57.91	-	-	P	H
		14499	46.88	-27.12	74	43.46	39.6	21.34	57.52	-	-	P	H
		15960	48.41	-25.59	74	41.47	40.96	22.04	56.06	-	-	P	H
		15960	38.47	-15.53	54	31.53	40.96	22.04	56.06	-	-	A	H
		17784	50.78	-23.22	74	40.95	41.58	23.4	55.15	-	-	P	H
		17784	41.08	-12.92	54	31.25	41.58	23.4	55.15	-	-	A	H
		19695	41.47	-32.53	74	56.81	37.57	6.93	59.84	-	-	P	H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 123		13130	45.23	-42.97	88.2	44.06	38.97	20.11	57.91	-	-	P	V
6565MHz		14499	47.76	-26.24	74	44.34	39.6	21.34	57.52	-	-	P	V
		15880	48.52	-25.48	74	41.86	40.86	21.99	56.19	-	-	P	V
		15880	38.61	-15.39	54	31.95	40.86	21.99	56.19	-	-	A	V
		17728	50.46	-23.54	74	40.75	41.53	23.36	55.18	-	-	P	V
		19695	51.12	-22.88	74	66.46	37.57	6.93	59.84	150	43	P	V
		19695	42.74	-11.26	54	58.08	37.57	6.93	59.84	150	43	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13370	43.77	-30.23	74	42.24	39.06	20.41	57.94	-	-	P	V
		14499	46.79	-27.21	74	43.37	39.6	21.34	57.52	-	-	P	H
		15912	48.15	-25.85	74	41.35	40.91	22.02	56.13	-	-	P	H
		15912	38.32	-15.68	54	31.52	40.91	22.02	56.13	-	-	A	H
		17760	50.31	-23.69	74	40.53	41.56	23.38	55.16	-	-	P	H
		17760	40.51	-13.49	54	30.73	41.56	23.38	55.16	-	-	A	H
		20055	36.93	-37.07	74	52.14	37.62	7.08	59.91	-	-	P	H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 147		13370	43.75	-30.25	74	42.22	39.06	20.41	57.94	-	-	P	H
6685MHz		14499	46.77	-27.23	74	43.35	39.6	21.34	57.52	-	-	P	V
		15960	47.21	-26.79	74	40.27	40.96	22.04	56.06	-	-	P	V
		17880	50.83	-23.17	74	41.02	41.44	23.48	55.11	-	-	P	V
		17880	41.15	-12.85	54	31.34	41.44	23.48	55.11	-	-	A	V
		20055	46.38	-27.62	74	61.59	37.62	7.08	59.91	-	-	P	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13690	44.7	-43.5	88.2	42.96	38.79	20.8	57.85	-	-	P	H
		14499	46.66	-27.34	74	43.24	39.6	21.34	57.52	-	-	P	H
		15880	47.67	-26.33	74	41.01	40.86	21.99	56.19	-	-	P	H
		17712	50.02	-23.98	74	40.34	41.51	23.35	55.18	-	-	P	H
		17712	40.17	-13.83	54	30.49	41.51	23.35	55.18	-	-	A	H
		20535	38.2	-35.8	74	53.02	37.9	7.28	60	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 179		13690	45.13	-43.07	88.2	43.39	38.79	20.8	57.85	-	-	P	V
6845MHz		14499	47	-27	74	43.58	39.6	21.34	57.52	-	-	P	V
		15928	47.65	-26.35	74	40.81	40.93	22.02	56.11	-	-	P	V
		17800	50.83	-23.17	74	40.96	41.6	23.41	55.14	-	-	P	V
		17800	41.11	-12.89	54	31.24	41.6	23.41	55.14	-	-	A	V
		20535	45.74	-28.26	74	60.56	37.9	7.28	60	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 7 - 6525~6875MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13250	44.51	-29.49	74	43.12	39.05	20.26	57.92	-	-	P	H
		14499	47.35	-26.65	74	43.93	39.6	21.34	57.52	-	-	P	H
		15872	47.66	-26.34	74	41.03	40.84	21.99	56.2	-	-	P	H
		17896	51.66	-22.34	74	41.86	41.41	23.49	55.1	-	-	P	H
		17896	41.9	-12.1	54	32.1	41.41	23.49	55.1	-	-	A	H
		19875	36.93	-37.07	74	52.2	37.6	7.01	59.88	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 135		13250	44.14	-29.86	74	42.75	39.05	20.26	57.92	-	-	P	V
6625MHz		14499	46.14	-27.86	74	42.72	39.6	21.34	57.52	-	-	P	V
		15776	47.89	-26.11	74	41.68	40.63	21.94	56.36	-	-	P	V
		17960	50.66	-23.34	74	40.74	41.46	23.53	55.07	-	-	P	V
		17960	40.76	-13.24	54	30.84	41.46	23.53	55.07	-	-	A	V
		19875	47.4	-26.6	74	62.67	37.6	7.01	59.88	-	-	P	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13410	44.28	-43.92	88.2	42.77	39	20.46	57.95	-	-	P	H
		14499	46.46	-27.54	74	43.04	39.6	21.34	57.52	-	-	P	H
		15968	49.36	-24.64	74	42.39	40.97	22.04	56.04	-	-	P	H
		15968	39.48	-14.52	54	32.51	40.97	22.04	56.04	-	-	A	H
		17800	50.52	-23.48	74	40.65	41.6	23.41	55.14	-	-	P	H
		17800	40.58	-13.42	54	30.71	41.6	23.41	55.14	-	-	A	H
		20115	36.18	-37.82	74	51.34	37.65	7.11	59.92	-	-	P	H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 151		13410	43.2	-45	88.2	41.69	39	20.46	57.95	-	-	P	V
6705MHz		14499	47.44	-26.56	74	44.02	39.6	21.34	57.52	-	-	P	V
		15952	48.04	-25.96	74	41.12	40.95	22.04	56.07	-	-	P	V
		15952	38.09	-15.91	54	31.17	40.95	22.04	56.07	-	-	A	V
		17712	50.33	-23.67	74	40.65	41.51	23.35	55.18	-	-	P	V
		17712	40.4	-13.6	54	30.72	41.51	23.35	55.18	-	-	A	V
		20115	44.08	-29.92	74	59.24	37.65	7.11	59.92	-	-	P	V
													V
													V
													V
													V
													V

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13570	43.76	-44.44	88.2	42.24	38.79	20.65	57.92	-	-	P	H
		14499	46.15	-27.85	74	42.73	39.6	21.34	57.52	-	-	P	H
		15888	47.31	-26.69	74	40.61	40.88	21.99	56.17	-	-	P	H
		17824	50.62	-23.38	74	40.77	41.55	23.43	55.13	-	-	P	H
		17824	40.69	-13.31	54	30.84	41.55	23.43	55.13	-	-	A	H
		20355	36.37	-37.63	74	51.35	37.78	7.21	59.97	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 167		13570	45.18	-43.02	88.2	43.66	38.79	20.65	57.92	-	-	P	V
6785MHz		14499	46.12	-27.88	74	42.7	39.6	21.34	57.52	-	-	P	V
		15936	47.51	-26.49	74	40.63	40.94	22.03	56.09	-	-	P	V
		17736	50.17	-23.83	74	40.43	41.54	23.37	55.17	-	-	P	V
		17736	40.26	-13.74	54	30.52	41.54	23.37	55.17	-	-	A	V
		20355	44.78	-29.22	74	59.76	37.78	7.21	59.97	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 7 - 6525~6875MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		13330	44.78	-29.22	74	43.22	39.14	20.36	57.94	-	-	P	H
		14499	46.32	-27.68	74	42.9	39.6	21.34	57.52	-	-	P	H
		15872	48.68	-25.32	74	42.05	40.84	21.99	56.2	-	-	P	H
		15872	38.74	-15.26	54	32.11	40.84	21.99	56.2	-	-	A	H
		17920	50.19	-23.81	74	40.36	41.42	23.5	55.09	-	-	P	H
		17920	40.26	-13.74	54	30.43	41.42	23.5	55.09	-	-	A	H
		19995	35	-39	74	50.24	37.6	7.06	59.9	-	-	P	H
													H
													H
													H
802.11ax													H
HE160 Full													H
CH 143		13330	44.08	-29.92	74	42.52	39.14	20.36	57.94	-	-	P	V
6665MHz		14499	47.53	-26.47	74	44.11	39.6	21.34	57.52	-	-	P	V
		15888	48.17	-25.83	74	41.47	40.88	21.99	56.17	-	-	P	V
		15888	38.23	-15.77	54	31.53	40.88	21.99	56.17	-	-	A	V
		17712	50.35	-23.65	74	40.67	41.51	23.35	55.18	-	-	P	V
		17712	40.4	-13.6	54	30.72	41.51	23.35	55.18	-	-	A	V
		19995	43.31	-30.69	74	58.55	37.6	7.06	59.9	-	-	P	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Emission below 1GHz

WIFI 802.11ax HE80 Full (LF @ 3m)

WIFI Ant. 4+3	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full LF		30.54	21.86	-18.14	40	26.66	24.27	1	30.07	-	-	P	H
		95.34	29.66	-13.84	43.5	42.71	15.24	1.73	30.02	-	-	P	H
		196.05	25.82	-17.68	43.5	38.58	14.78	2.5	30.04	-	-	P	H
		768.3	30.22	-15.78	46	27.23	27.8	4.87	29.68	-	-	P	H
		854.4	32.14	-13.86	46	27.39	28.87	5.15	29.27	-	-	P	H
		953.8	33.58	-12.42	46	26.3	30.53	5.56	28.81	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	31.93	-8.07	40	36.49	24.51	1.01	30.08	-	-	P	V
		101.55	25.7	-17.8	43.5	37.88	16.04	1.79	30.01	-	-	P	V
		177.42	25.39	-18.11	43.5	37.94	15.04	2.41	30	-	-	P	V
		860	31.54	-14.46	46	26.68	28.91	5.19	29.24	-	-	P	V
		916	33.16	-12.84	46	27.84	28.79	5.49	28.96	-	-	P	V
		953.8	33.95	-12.05	46	26.67	30.53	5.56	28.81	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												

Note symbol

*	**Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is **Margin** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 01 5955MHz		5925	55.45	-32.75	88.2	54.51	32.22	4.58	35.86	103	308	P	H
		5925	43.54	-24.66	68.2	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 5925MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Margin(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -32.75(dB)

For Average Limit @ 5925MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Margin(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -24.66(dB)

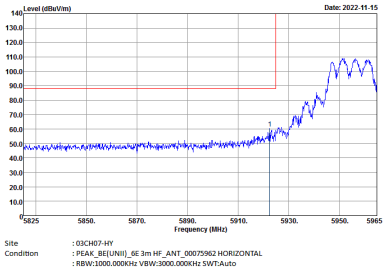
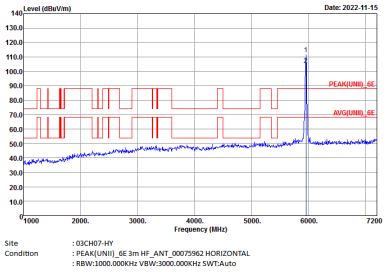
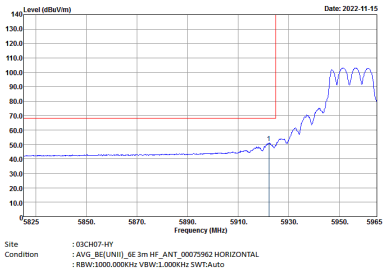
Both peak and average measured complies with the limit line, so test result is “PASS”.

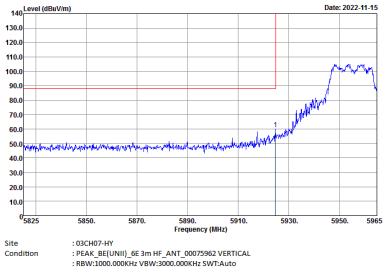
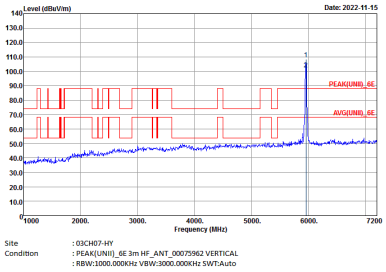
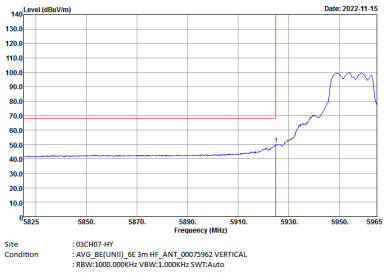
Appendix D. Radiated Spurious Emission Plots

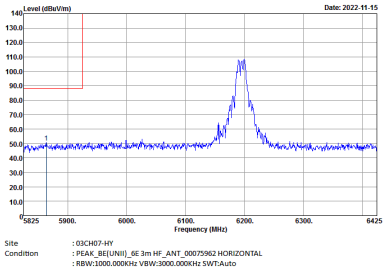
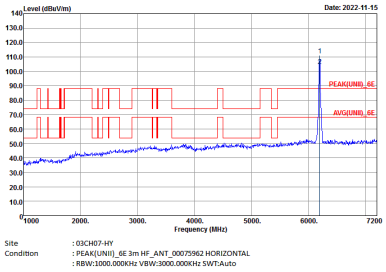
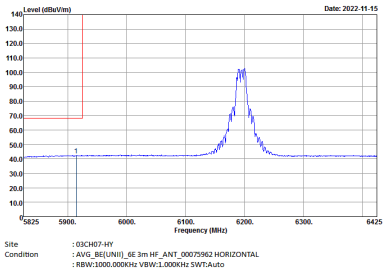
Test Engineer :	Jesse Wang, Stan Hsieh and Ken Wu	**Temperature :**	22.1~25.9°C
		Relative Humidity :	57.2~64%

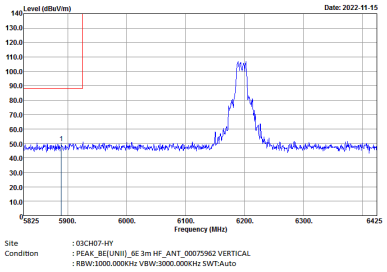
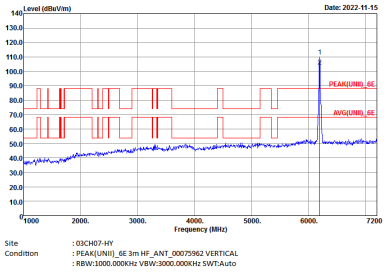
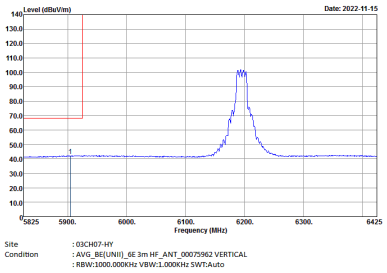
Band 5 - 5925~6425MHz

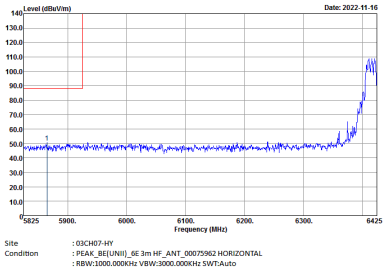
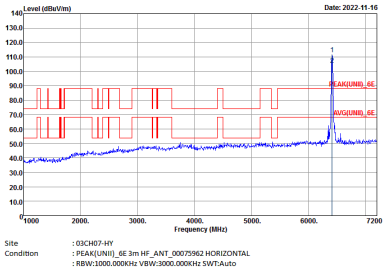
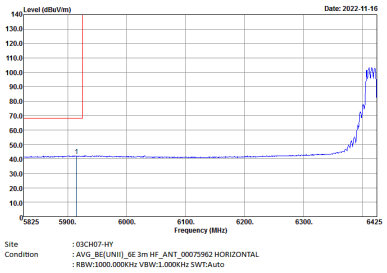
WIFI 802.11a (Band Edge @ 3m)

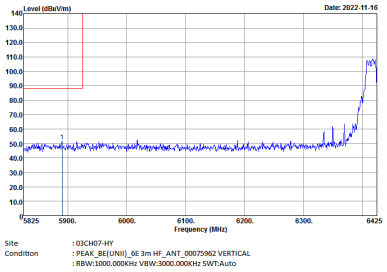
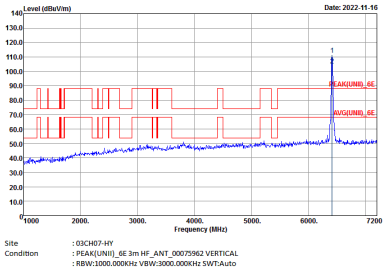
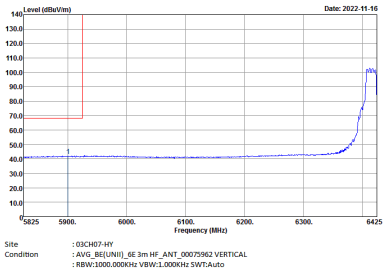
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH49 6195MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

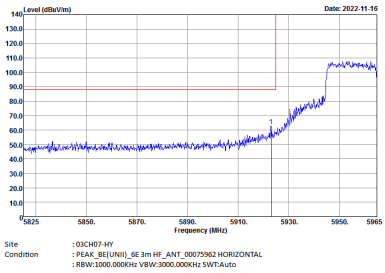
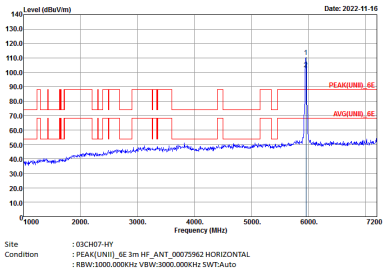
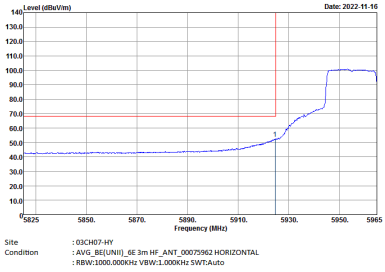
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH49 6195MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

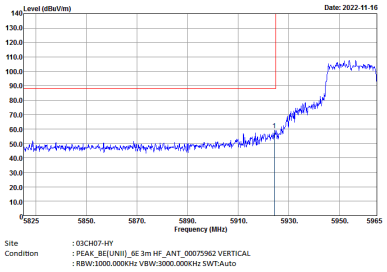
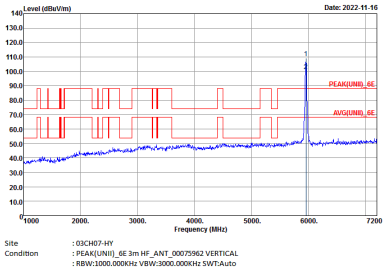
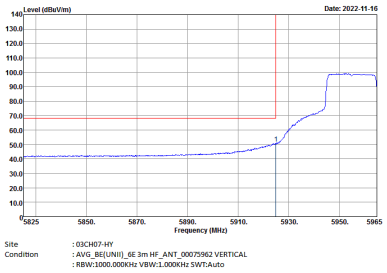
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH93 6415MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

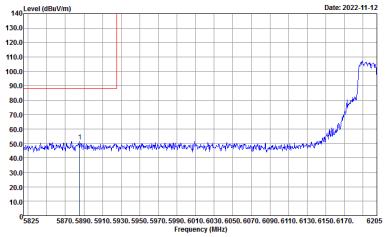
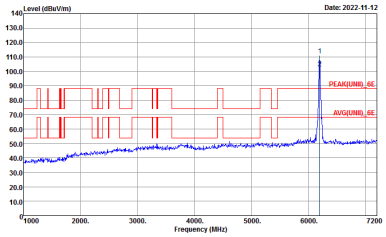
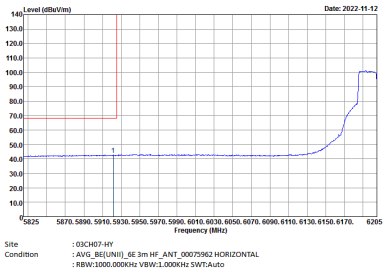
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH93 6415MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

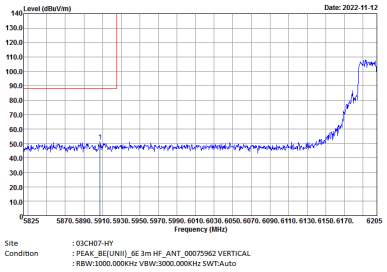
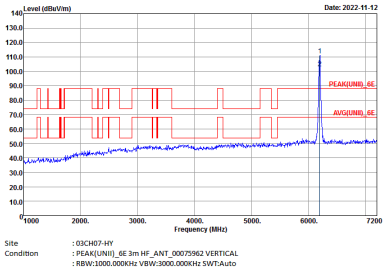
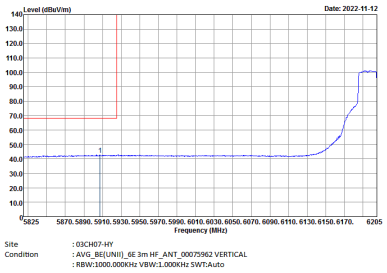
Band 5 5925~6425MHz

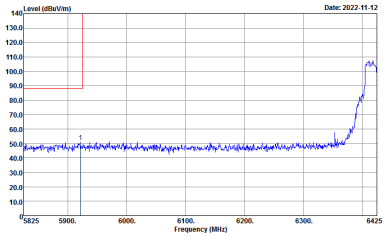
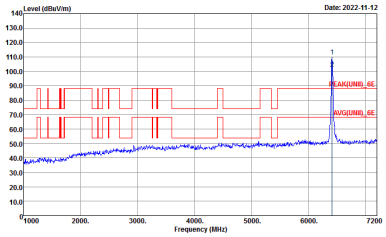
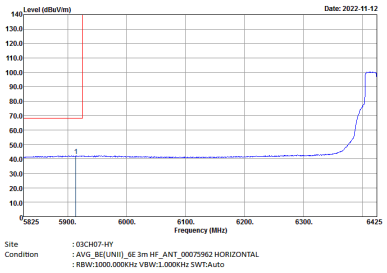
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

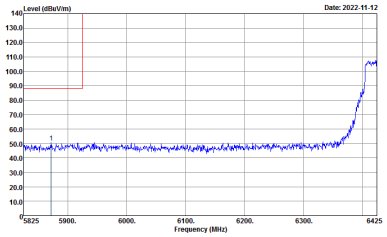
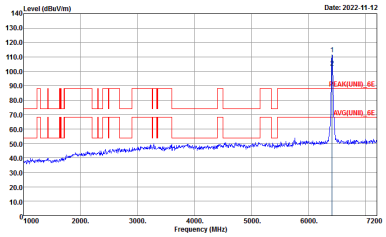
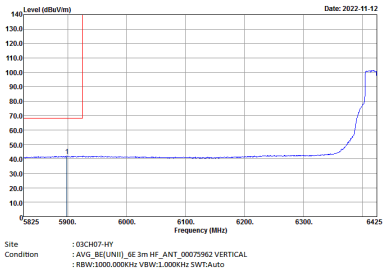
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

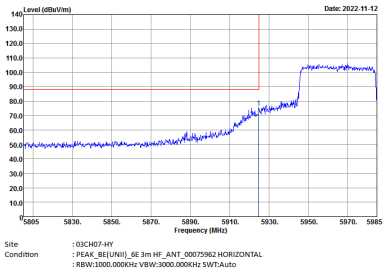
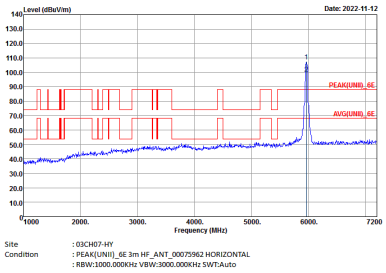
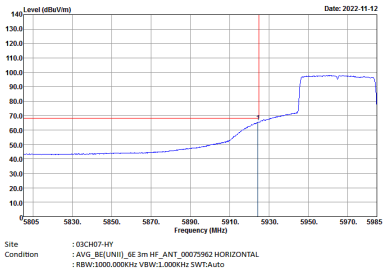
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH49 6195MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

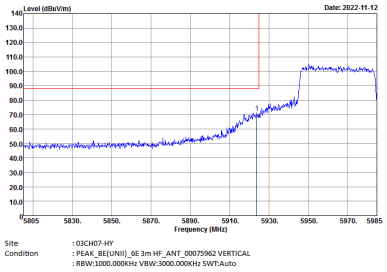
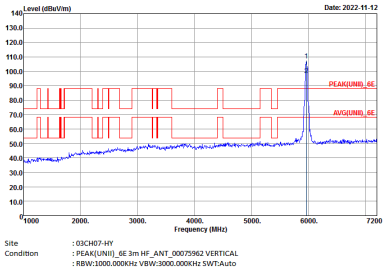
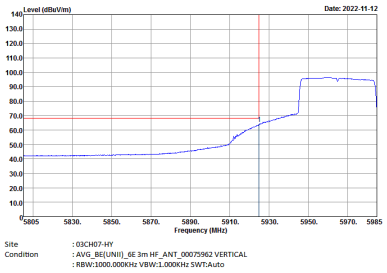
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH49 6195MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

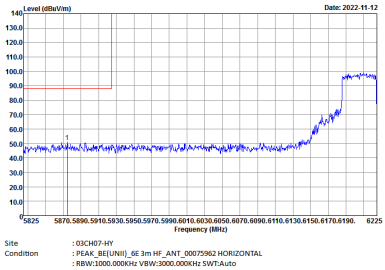
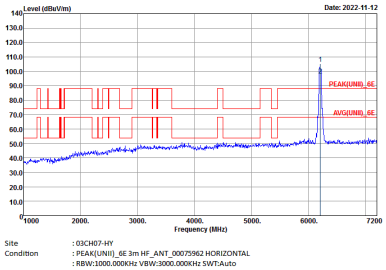
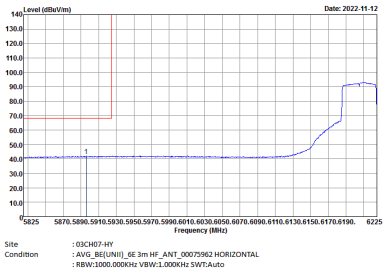
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH93 6415MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

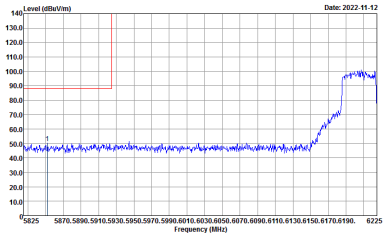
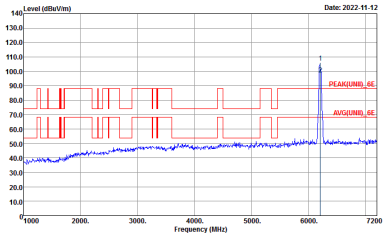
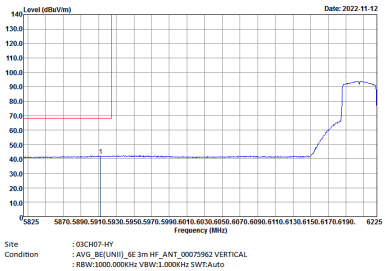
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH93 6415MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

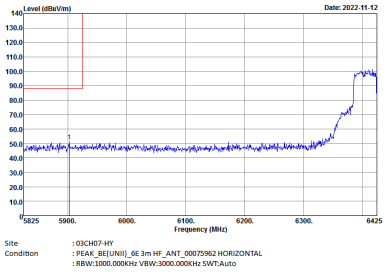
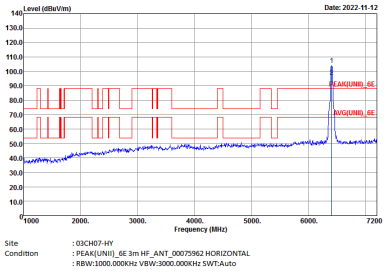
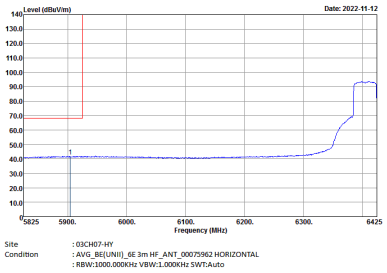
Band 5 5925~6425MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

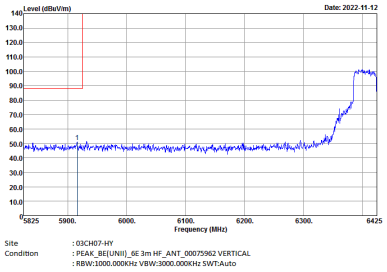
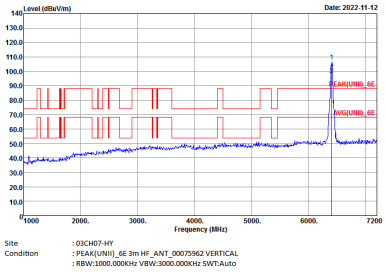
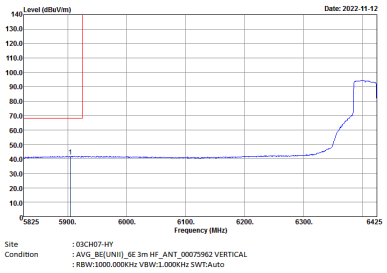
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

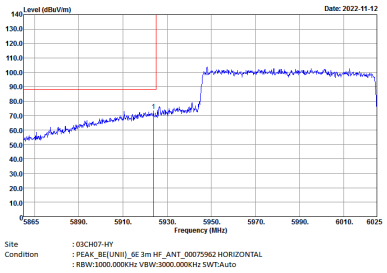
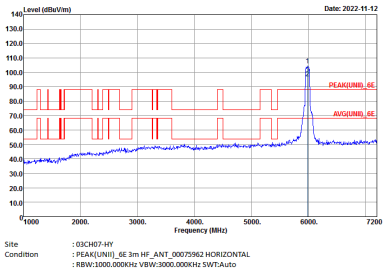
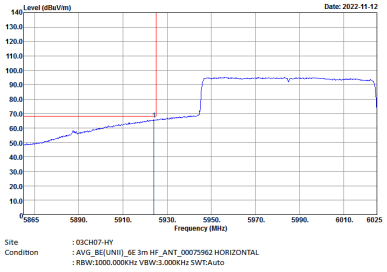
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH51 6205MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

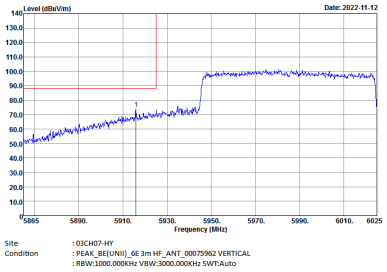
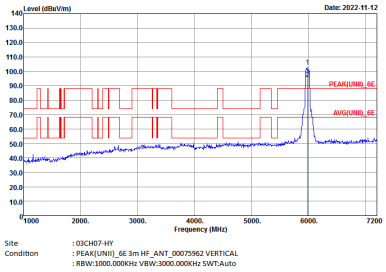
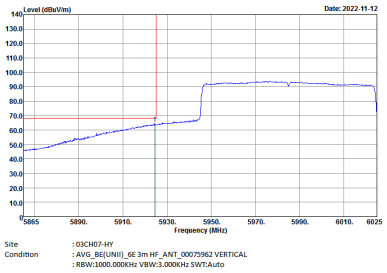
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH51 6205MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

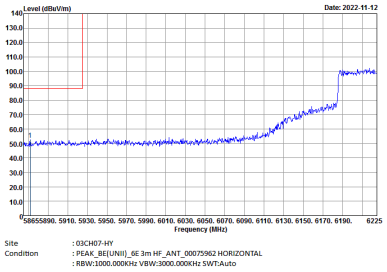
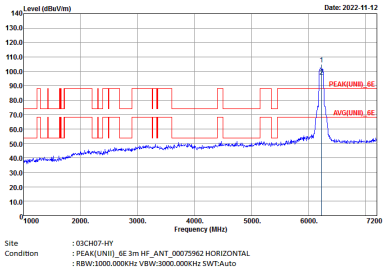
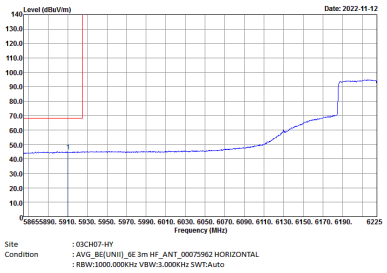
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH91 6405MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

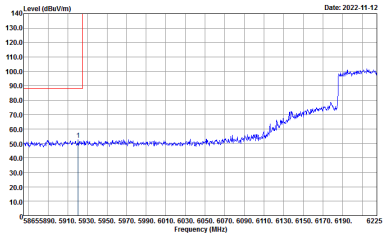
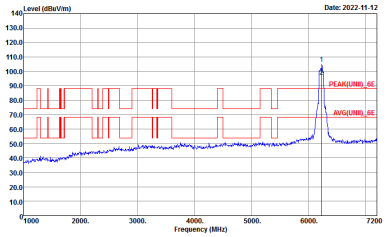
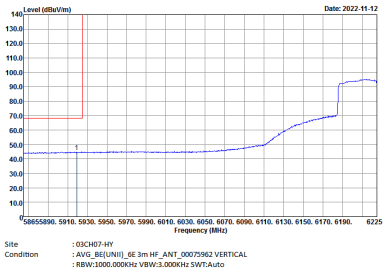
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH91 6405MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

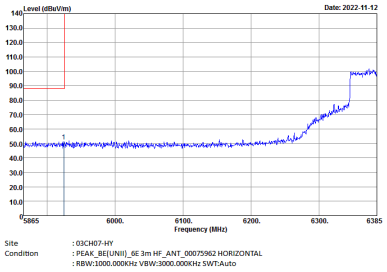
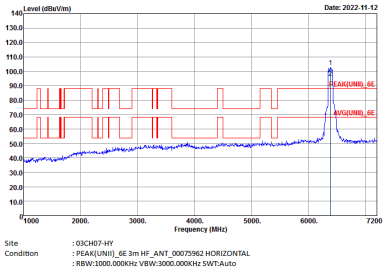
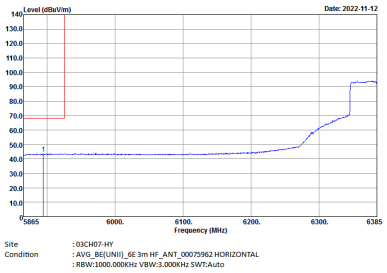
Band 5 5925~6425MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

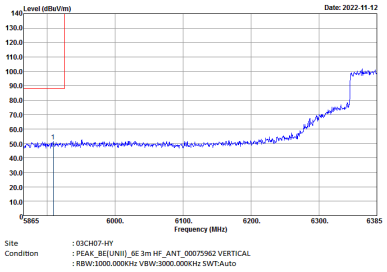
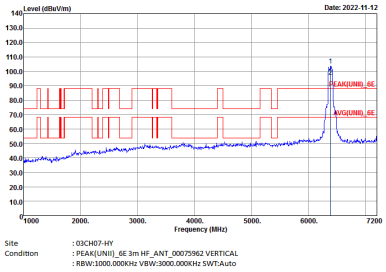
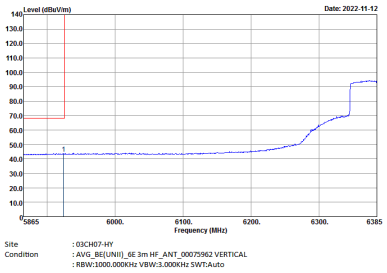
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

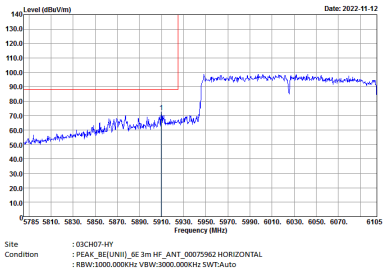
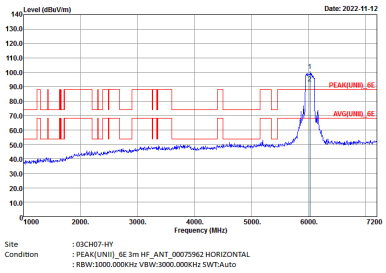
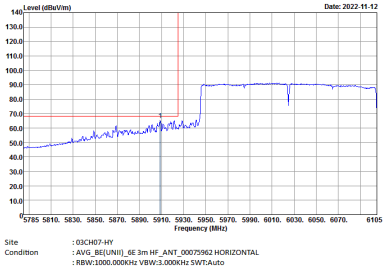
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH55 6225MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

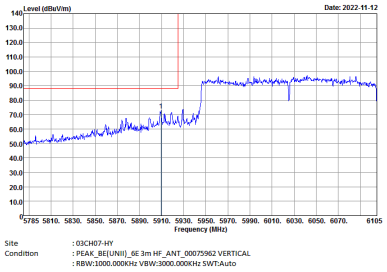
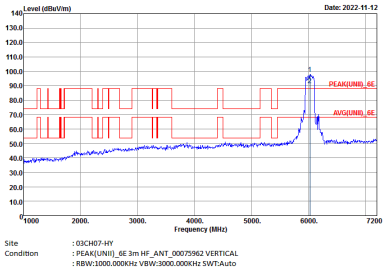
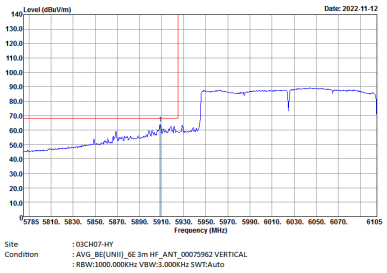
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH55 6225MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

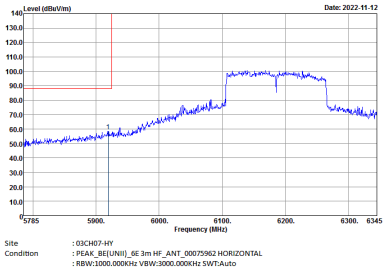
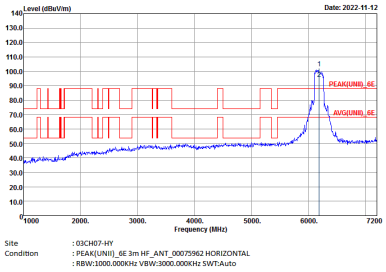
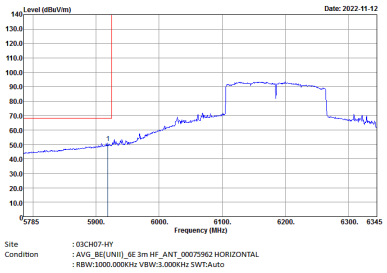
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH87 6385MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

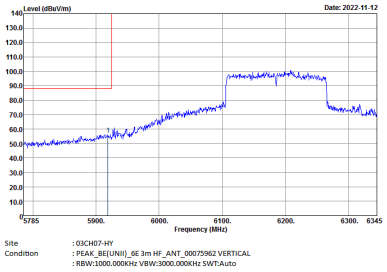
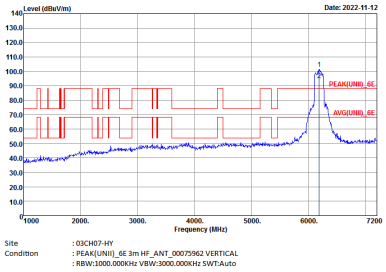
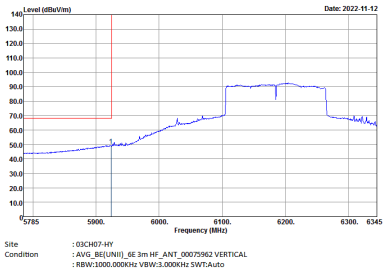
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH87 6385MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

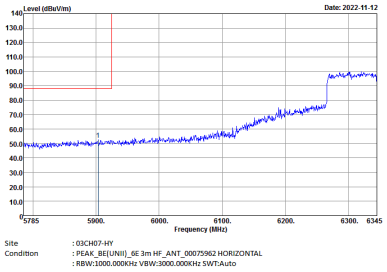
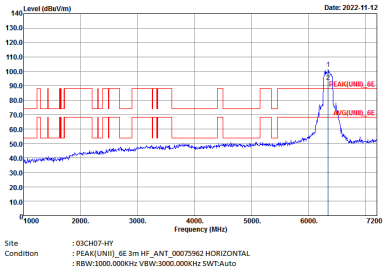
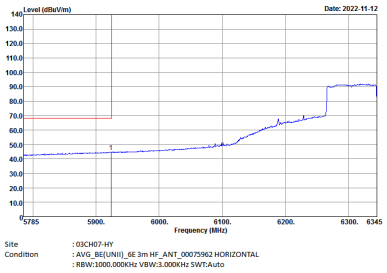
Band 5 5925~6425MHz
WIFI 802.11ax HE160 Full (Band Edge @ 3m)

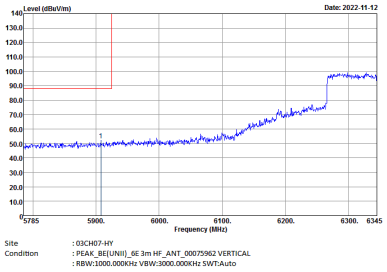
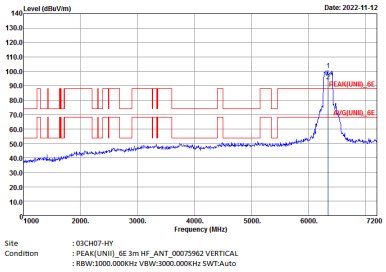
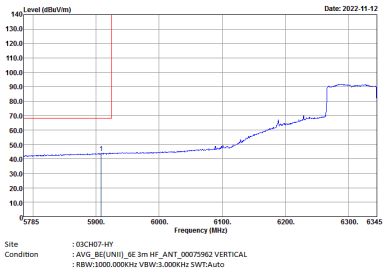
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH47 6185MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

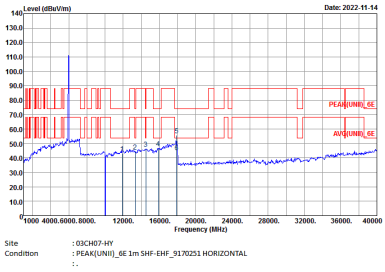
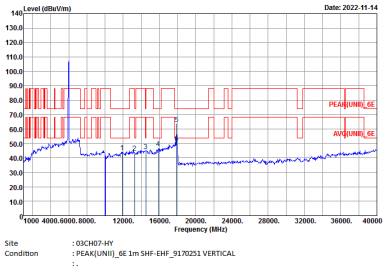
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH47 6185MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

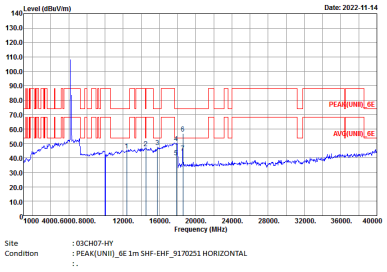
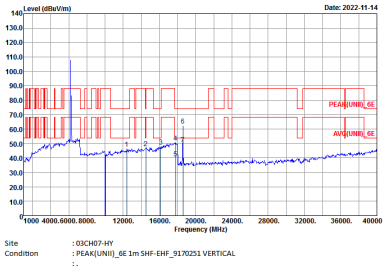
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH79 6345MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		Left blank

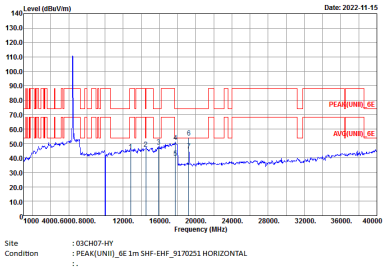
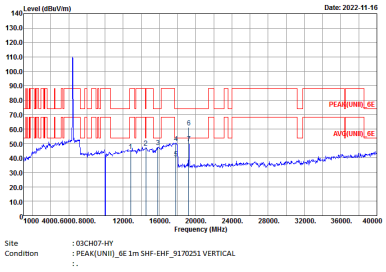
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE160 Full CH79 6345MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 5 - 5925~6425MHz

WIFI 802.11a (Harmonic @ 3m)

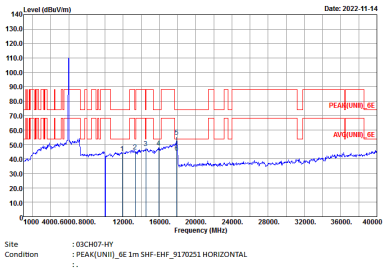
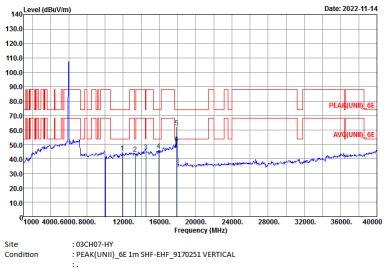
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH01 5955MHz	
4+3	Horizontal	Vertical
Peak Avg.		

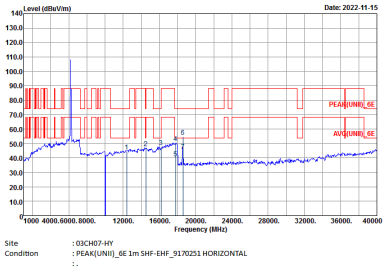
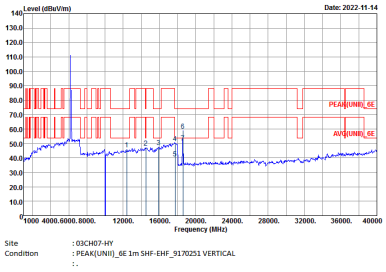
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH49 6195MHz	
4+3	Horizontal	Vertical
Peak Avg.		

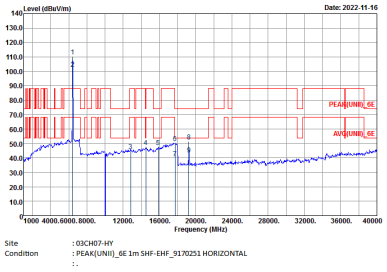
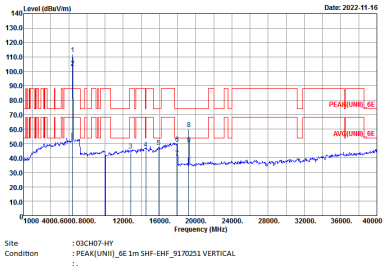
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11a CH93 6415MHz	
4+3	Horizontal	Vertical
Peak Avg.		

Band 5 5925~6425MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

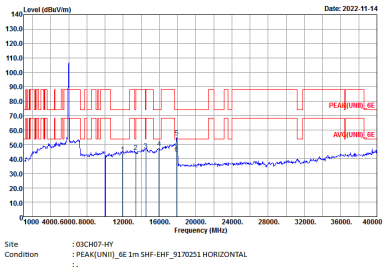
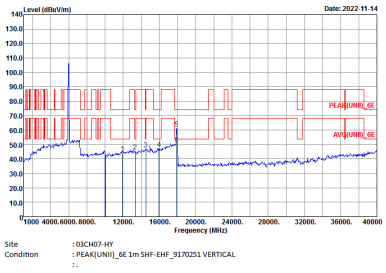
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
4+3	Horizontal	Vertical
Peak Avg.		

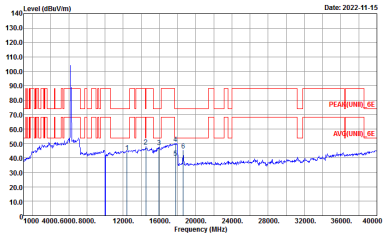
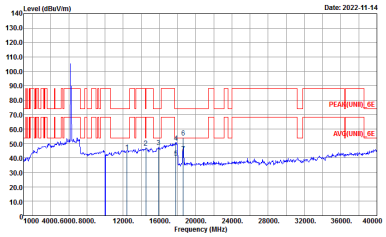
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH49 6195MHz	
4+3	Horizontal	Vertical
Peak Avg.		

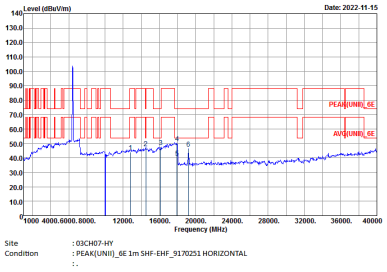
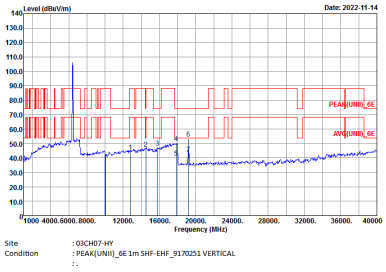
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH93 6415MHz	
4+3	Horizontal	Vertical
Peak Avg.		

Band 5 5925~6425MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

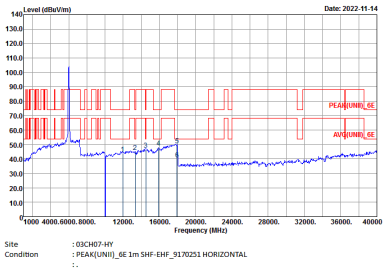
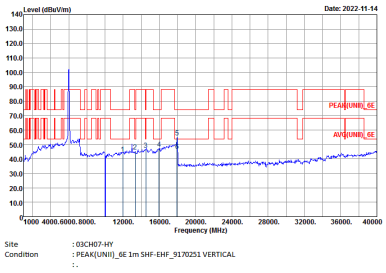
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
4+3	Horizontal	Vertical
Peak Avg.		

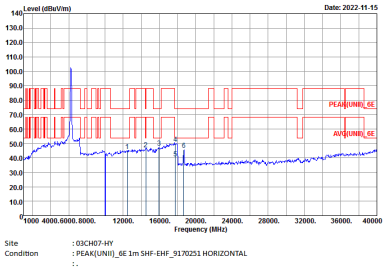
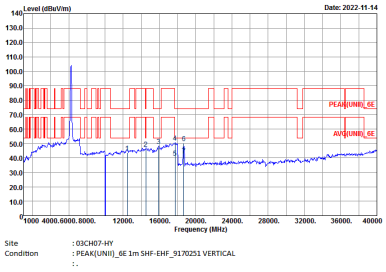
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH51 6205MHz	
4+3	Horizontal	Vertical
Peak Avg.		

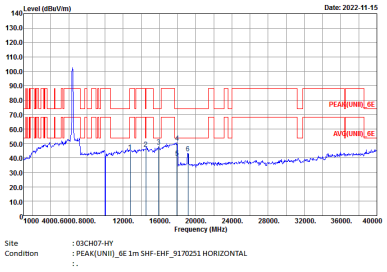
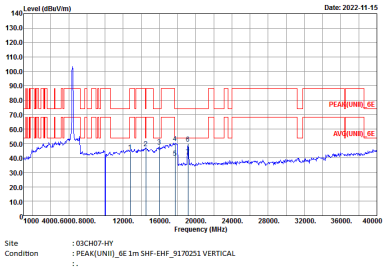
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH91 6405MHz	
4+3	Horizontal	Vertical
Peak Avg.		

Band 5 5925~6425MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

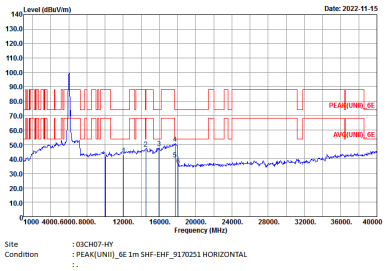
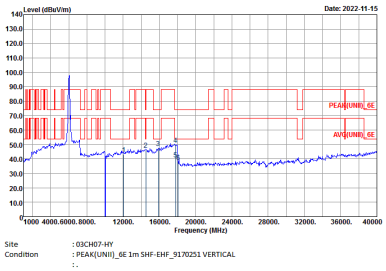
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
4+3	Horizontal	Vertical
Peak Avg.		

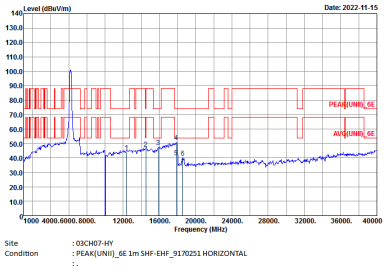
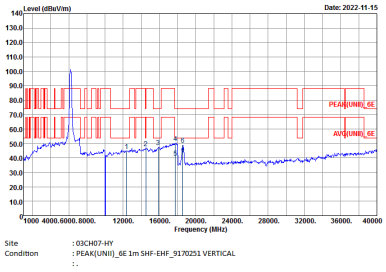
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH55 6225MHz	
4+3	Horizontal	Vertical
Peak Avg.		

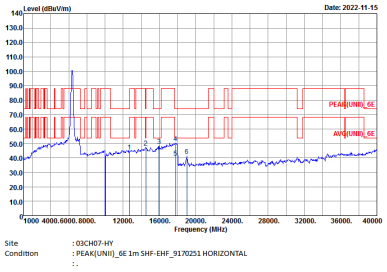
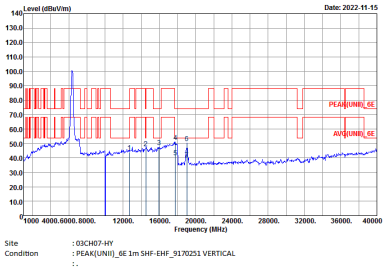
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH87 6385MHz	
4+3	Horizontal	Vertical
Peak Avg.		

Band 5 5925~6425MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

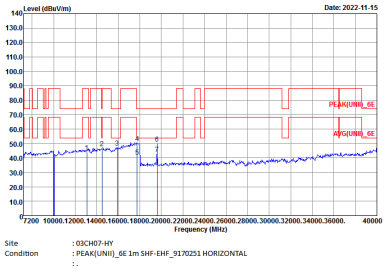
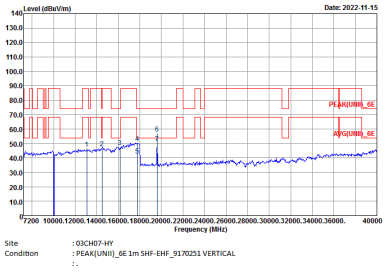
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH15 6025MHz	
4+3	Horizontal	Vertical
Peak Avg.		

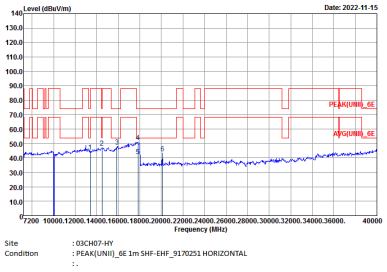
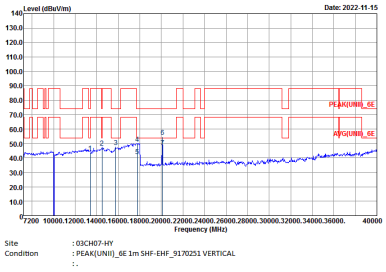
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH47 6185MHz	
4+3	Horizontal	Vertical
Peak Avg.		

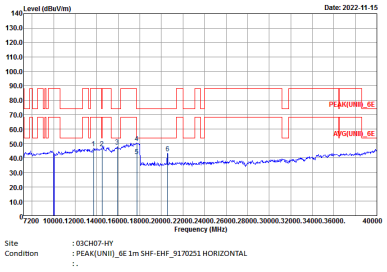
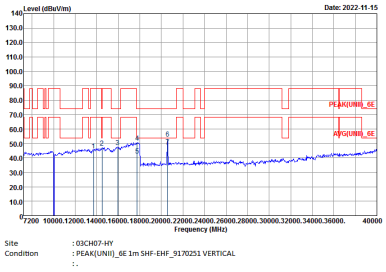
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH79 6345MHz	
4+3	Horizontal	Vertical
Peak Avg.		

Band 7 - 6525~6875MHz

WIFI 802.11a (Harmonic @ 3m)

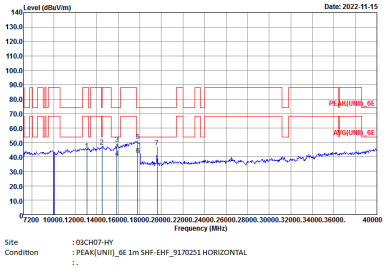
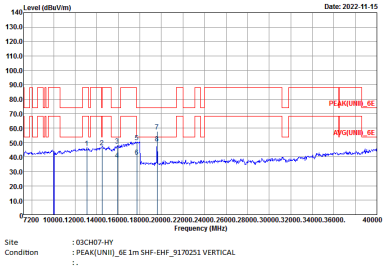
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11a CH117 6535MHz	
4+3	Horizontal	Vertical
Peak Avg.		

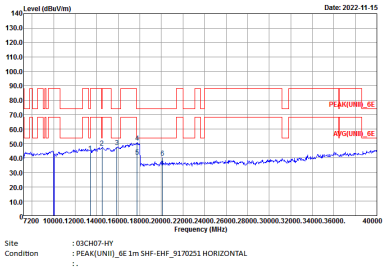
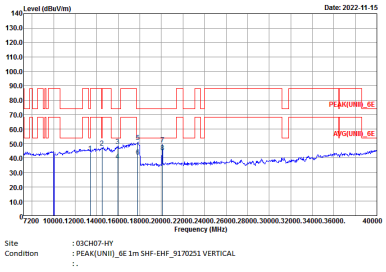
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11a CH149 6695MHz	
4+3	Horizontal	Vertical
Peak Avg.		

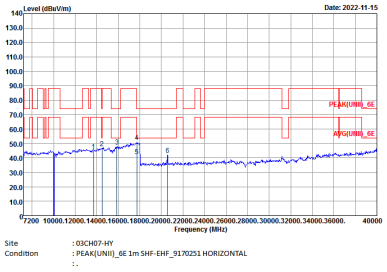
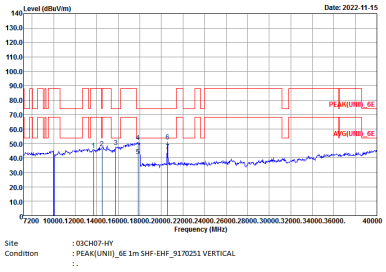
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11a CH181 6855MHz	
4+3	Horizontal	Vertical
Peak Avg.		

Band 7 6525~6875MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

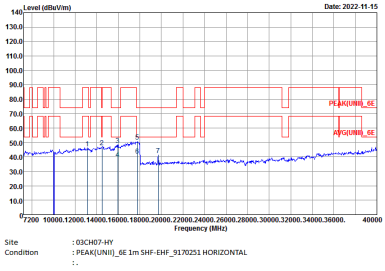
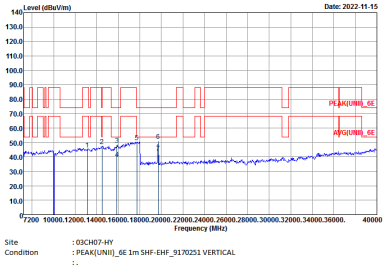
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH117 6535MHz	
4+3	Horizontal	Vertical
Peak Avg.		

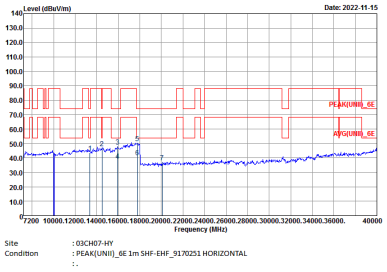
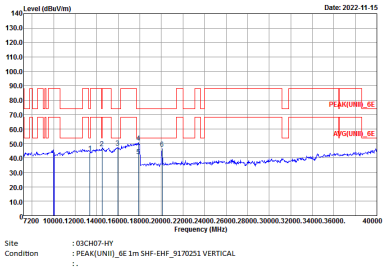
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH149 6695MHz	
4+3	Horizontal	Vertical
Peak Avg.		

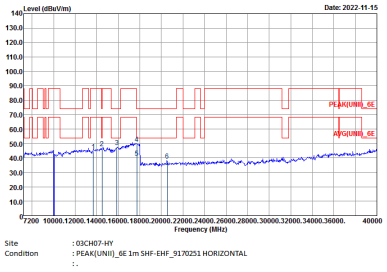
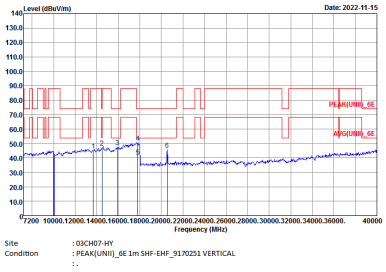
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH181 6855MHz	
4+3	Horizontal	Vertical
Peak Avg.		

Band 7 6525~6875MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

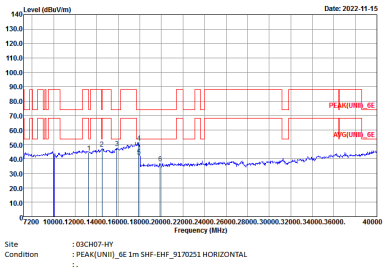
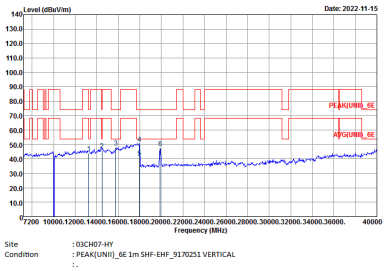
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH123 6565MHz	
4+3	Horizontal	Vertical
Peak Avg.		

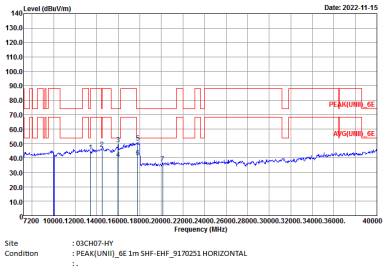
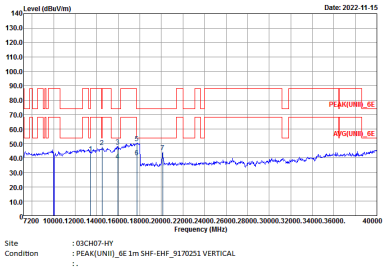
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH147 6685MHz	
4+3	Horizontal	Vertical
Peak Avg.		

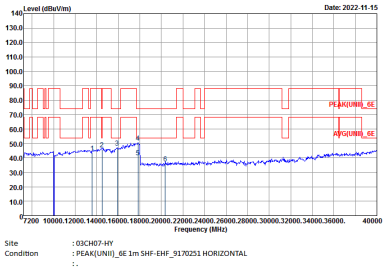
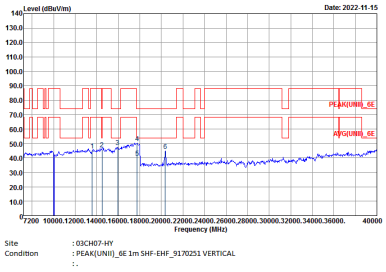
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH179 6845MHz	
4+3	Horizontal	Vertical
Peak Avg.		

Band 7 6525~6875MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

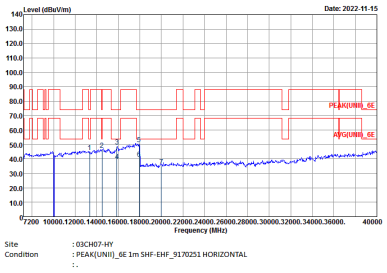
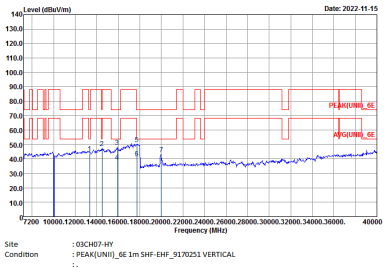
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH135 6625MHz	
4+3	Horizontal	Vertical
Peak Avg.		

WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH151 6705MHz	
4+3	Horizontal	Vertical
Peak Avg.		

WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH167 6785MHz	
4+3	Horizontal	Vertical
Peak Avg.		

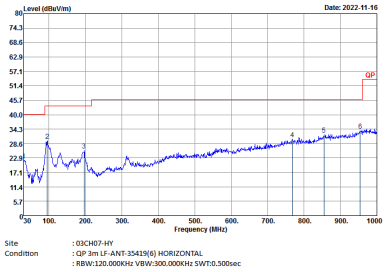
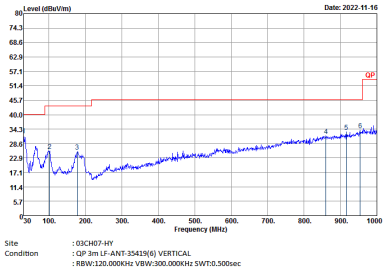
Band 7 6525~6875MHz

WIFI 802.11ax HE160 Full (Harmonic @ 3m)

WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE160 Full CH143 6665MHz	
4+3	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

5GHz WIFI 802.11ax HE40 Full (LF)

WIFI	5GHz WIFI	
ANT	802.11ax HE40 Full LF	
4+3	Horizontal	Vertical
QP / Peak		

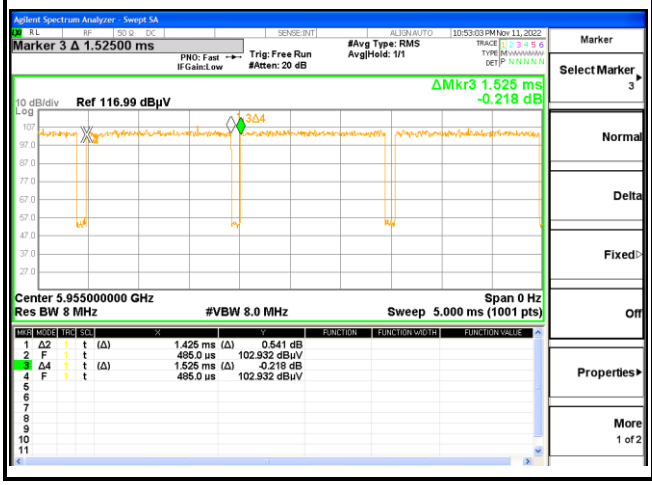
Appendix E. Duty Cycle Plots

<For Radiated Spurious Emission test>

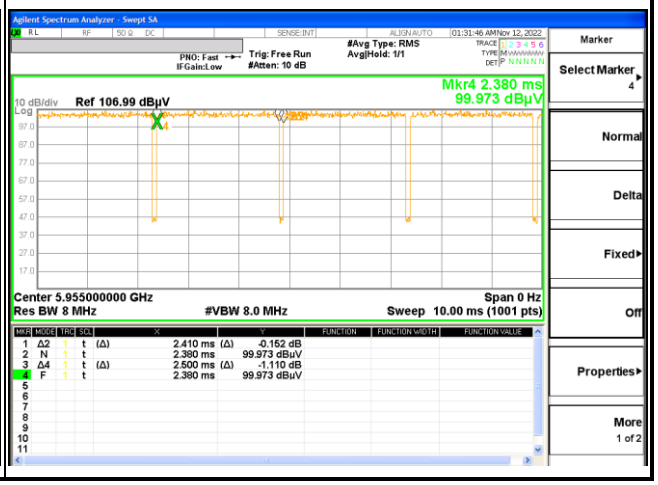
Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
4+3	6GHz 802.11a	93.44	1425	0.70	1kHz
4+3	6GHz 802.11ax HE20 Full RU	96.40	2410	0.41	1kHz
4+3	6GHz 802.11ax HE40 Full RU	96.00	2400	0.42	1kHz
4+3	6GHz 802.11ax HE80 Full RU	90.37	957	1.04	3kHz
4+3	6GHz 802.11ax HE160 Full RU	86.19	624	1.60	3kHz

MIMO <Ant. 4+3>

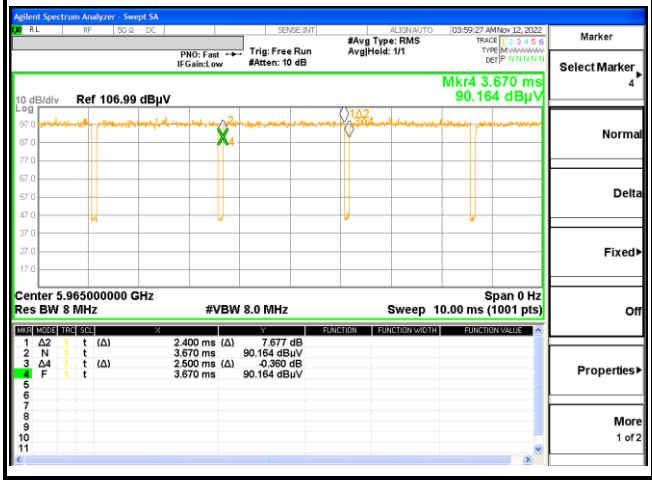
802.11a



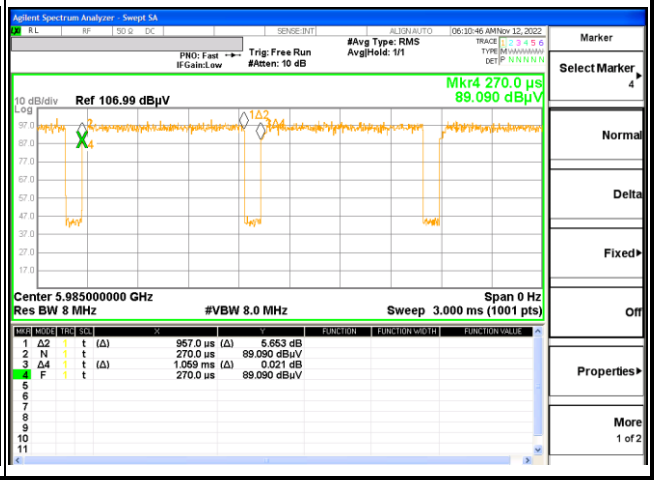
802.11ax HE20 Full RU



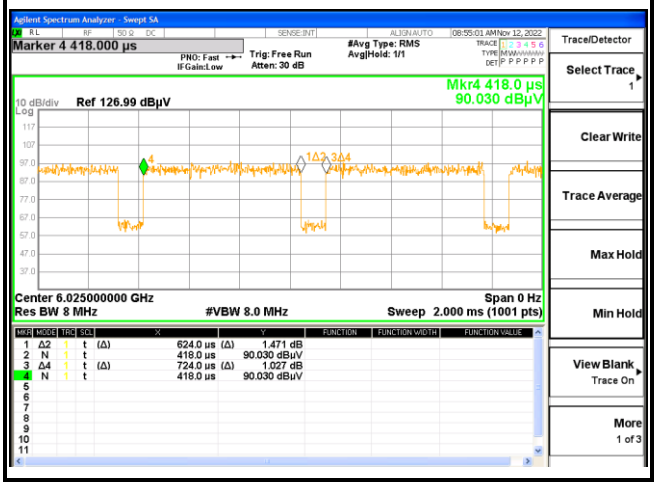
802.11ax HE40 Full RU



802.11ax HE80 Full RU



802.11ax HE160 Full RU



<For Conducted test>

Antenna	Band	Duty Cycle(%)	T(us)	Duty Factor(dB)
4+3	802.11a for Ant. 4	92.21	1420	0.35
4+3	802.11a for Ant. 3	93.51	1440	0.29
4+3	6GHz 802.11ax HE20 Full RU Ant. 4	96.00	2400	0.18
4+3	6GHz 802.11ax HE20 Full RU Ant. 3	96.03	2420	0.18
4+3	6GHz 802.11ax HE20 26 RU Ant. 4	89.36	840	0.49
4+3	6GHz 802.11ax HE20 26 RU Ant. 3	89.58	860	0.48
4+3	6GHz 802.11ax HE20 52 RU Ant. 4	88.64	780	0.52
4+3	6GHz 802.11ax HE20 52 RU Ant. 3	88.64	780	0.52
4+3	6GHz 802.11ax HE20 106 RU Ant. 4	87.50	700	0.58
4+3	6GHz 802.11ax HE20 106 RU Ant. 3	87.50	700	0.58
4+3	6GHz 802.11ax HE40 Full RU Ant. 4	92.54	1240	0.34
4+3	6GHz 802.11ax HE40 Full RU Ant. 3	92.54	1240	0.34
4+3	6GHz 802.11ax HE80 Full RU Ant. 4	90.74	980	0.42
4+3	6GHz 802.11ax HE80 Full RU Ant. 3	90.57	960	0.43
4+3	6GHz 802.11ax HE160 Full RU Ant. 4	86.11	620	0.65
4+3	6GHz 802.11ax HE160 Full RU Ant. 3	86.11	620	0.65