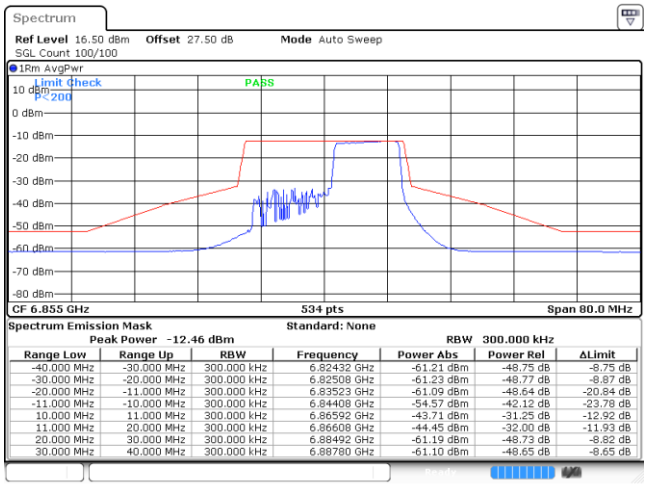
Plot on Channel 6855MHz



Spectrum Emission Mask Standard: None
Peak Power -12.46 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	6.82432 GHz	-61.21 dBm	-48.75 dB	-8.75 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.82508 GHz	-61.23 dBm	-48.77 dB	-8.87 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.83523 GHz	-61.09 dBm	-48.64 dB	-20.84 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.84408 GHz	-54.57 dBm	-42.12 dB	-23.78 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.86592 GHz	-43.71 dBm	-31.25 dB	-12.92 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.86608 GHz	-44.45 dBm	-32.00 dB	-11.93 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.88492 GHz	-61.19 dBm	-48.73 dB	-8.82 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.88780 GHz	-61.10 dBm	-48.65 dB	-8.65 dB

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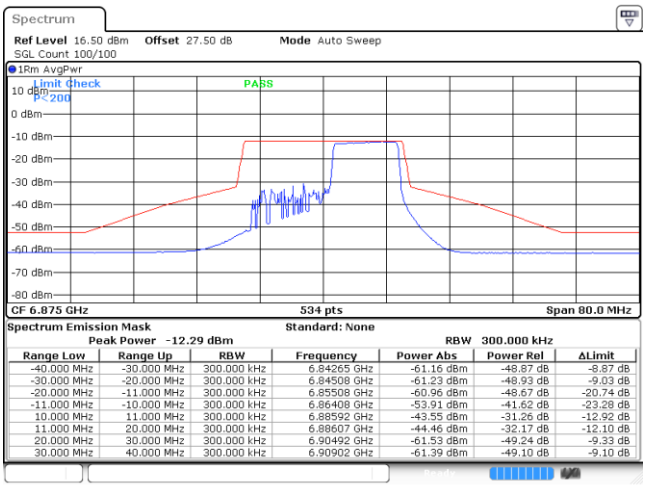
Plot on Channel 6875MHz



Spectrum Emission Mask Standard: None
Peak Power -12.29 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	6.84265 GHz	-61.16 dBm	-48.87 dB	-8.87 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.84508 GHz	-61.23 dBm	-48.93 dB	-9.03 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.85508 GHz	-60.96 dBm	-48.67 dB	-20.74 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.86408 GHz	-53.91 dBm	-41.62 dB	-23.28 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.88592 GHz	-43.55 dBm	-31.26 dB	-12.92 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.88607 GHz	-44.46 dBm	-32.17 dB	-12.10 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.90492 GHz	-61.53 dBm	-49.24 dB	-9.33 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.90902 GHz	-61.39 dBm	-49.10 dB	-9.10 dB

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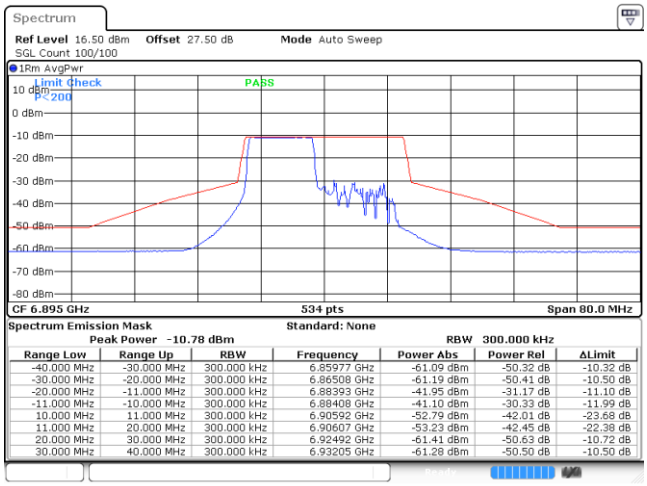
Plot on Channel 6895MHz

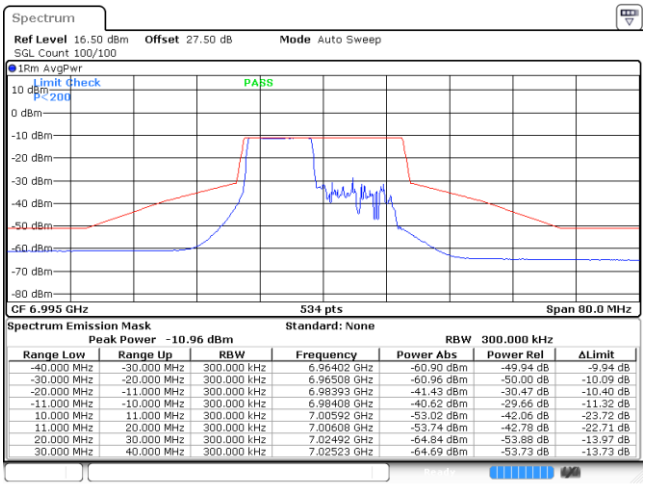


Spectrum Emission Mask Standard: None
Peak Power -10.78 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	6.85977 GHz	-61.09 dBm	-50.32 dB	-10.32 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.86508 GHz	-61.19 dBm	-50.41 dB	-10.50 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.88393 GHz	-41.95 dBm	-31.17 dB	-11.10 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.88408 GHz	-41.10 dBm	-30.33 dB	-11.99 dB
10.000 MHz	11.000 MHz	300.000 kHz	6.90592 GHz	-52.79 dBm	-42.01 dB	-23.68 dB
11.000 MHz	20.000 MHz	300.000 kHz	6.90607 GHz	-53.23 dBm	-42.45 dB	-22.38 dB
20.000 MHz	30.000 MHz	300.000 kHz	6.92492 GHz	-61.41 dBm	-50.63 dB	-10.72 dB
30.000 MHz	40.000 MHz	300.000 kHz	6.93205 GHz	-61.28 dBm	-50.50 dB	-10.50 dB

Date: 22.OCT.2022 01:10:54

Plot on Channel 6995MHz



Spectrum Emission Mask Standard: None
Peak Power -10.96 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	6.96402 GHz	-60.90 dBm	-49.94 dB	-9.94 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	6.96508 GHz	-60.96 dBm	-50.00 dB	-10.09 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	6.98393 GHz	-41.43 dBm	-30.47 dB	-10.40 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	6.98408 GHz	-40.62 dBm	-29.66 dB	-11.32 dB
10.000 MHz	11.000 MHz	300.000 kHz	7.00592 GHz	-53.02 dBm	-42.06 dB	-23.72 dB
11.000 MHz	20.000 MHz	300.000 kHz	7.00608 GHz	-53.74 dBm	-42.78 dB	-22.71 dB
20.000 MHz	30.000 MHz	300.000 kHz	7.02492 GHz	-64.84 dBm	-53.88 dB	-13.97 dB
30.000 MHz	40.000 MHz	300.000 kHz	7.02523 GHz	-64.69 dBm	-53.73 dB	-13.73 dB

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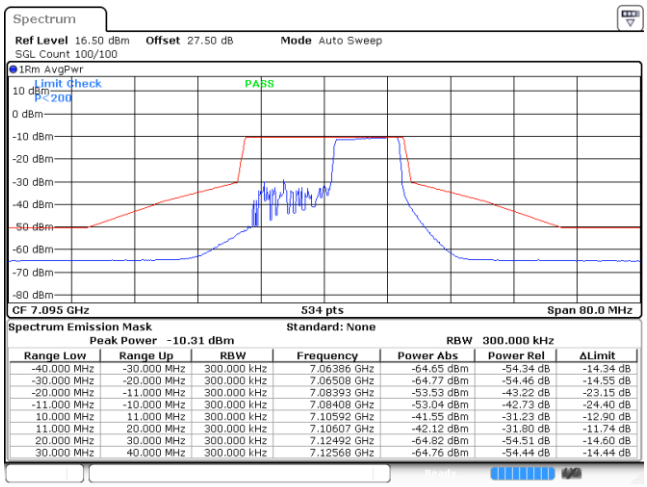
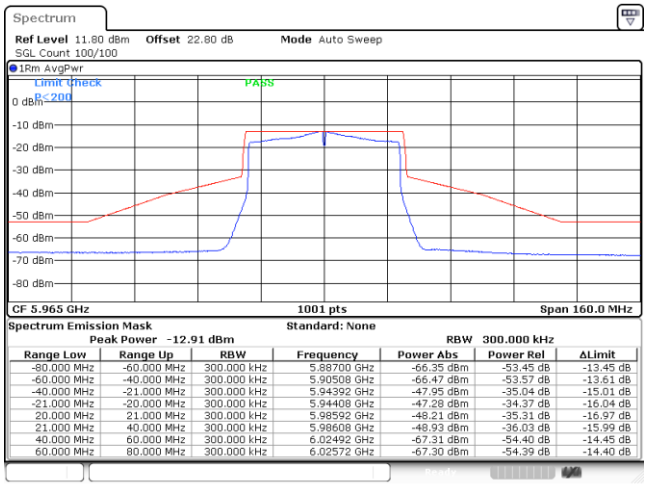
Plot on Channel 7095MHz



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-40.000 MHz	-30.000 MHz	300.000 kHz	7.06386 GHz	-64.65 dBm	-54.34 dB	-14.34 dB
-30.000 MHz	-20.000 MHz	300.000 kHz	7.06508 GHz	-64.77 dBm	-54.46 dB	-14.55 dB
-20.000 MHz	-11.000 MHz	300.000 kHz	7.08393 GHz	-53.53 dBm	-43.22 dB	-23.15 dB
-11.000 MHz	-10.000 MHz	300.000 kHz	7.08408 GHz	-53.04 dBm	-42.73 dB	-24.40 dB
10.000 MHz	11.000 MHz	300.000 kHz	7.10592 GHz	-41.55 dBm	-31.23 dB	-12.90 dB
11.000 MHz	20.000 MHz	300.000 kHz	7.10607 GHz	-42.12 dBm	-31.80 dB	-11.74 dB
20.000 MHz	30.000 MHz	300.000 kHz	7.12492 GHz	-64.82 dBm	-54.51 dB	-14.60 dB
30.000 MHz	40.000 MHz	300.000 kHz	7.12568 GHz	-64.76 dBm	-54.44 dB	-14.44 dB

EUT Mode :	802.11ax HE40 Full RU

Plot on Channel 5965MHz



Spectrum Emission Mask Standard: None
Peak Power -12.91 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	5.88700 GHz	-66.35 dBm	-53.45 dB	-13.45 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	5.90508 GHz	-66.47 dBm	-53.57 dB	-13.61 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	5.94392 GHz	-47.95 dBm	-35.04 dB	-15.01 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	5.94408 GHz	-47.28 dBm	-34.37 dB	-16.04 dB
20.000 MHz	21.000 MHz	300.000 kHz	5.98592 GHz	-48.21 dBm	-35.31 dB	-16.97 dB
21.000 MHz	40.000 MHz	300.000 kHz	5.98608 GHz	-48.93 dBm	-36.03 dB	-15.99 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.02492 GHz	-67.31 dBm	-54.40 dB	-14.45 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.02572 GHz	-67.30 dBm	-54.39 dB	-14.40 dB

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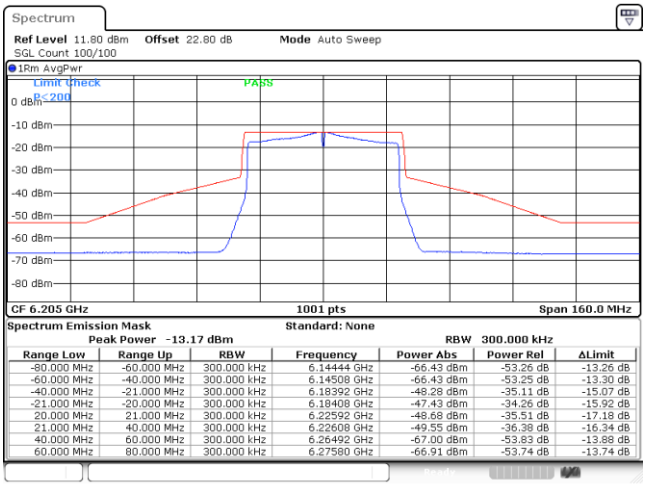
Plot on Channel 6205MHz



Spectrum Emission Mask Standard: None
Peak Power -13.17 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	6.14444 GHz	-66.43 dBm	-53.26 dB	-13.26 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.14508 GHz	-66.43 dBm	-53.25 dB	-13.30 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.18392 GHz	-48.28 dBm	-35.11 dB	-15.07 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.18408 GHz	-47.43 dBm	-34.26 dB	-15.92 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.22592 GHz	-48.68 dBm	-35.51 dB	-17.18 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.22608 GHz	-49.55 dBm	-36.38 dB	-16.34 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.26492 GHz	-67.00 dBm	-53.83 dB	-13.88 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.27580 GHz	-66.91 dBm	-53.74 dB	-13.74 dB

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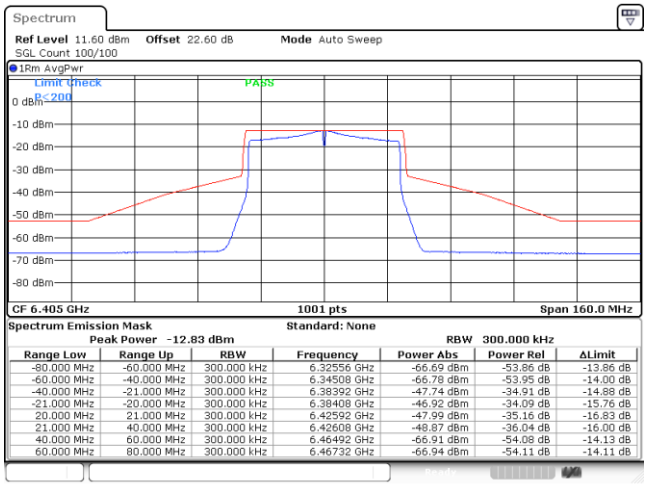
Plot on Channel 6405MHz



Spectrum Emission Mask Standard: None
Peak Power -12.83 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	6.32556 GHz	-66.69 dBm	-53.86 dB	-13.86 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.34508 GHz	-66.78 dBm	-53.95 dB	-14.00 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.38392 GHz	-47.74 dBm	-34.91 dB	-14.88 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.38408 GHz	-46.92 dBm	-34.09 dB	-15.76 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.42592 GHz	-47.99 dBm	-35.16 dB	-16.83 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.42608 GHz	-48.87 dBm	-36.04 dB	-16.00 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.46492 GHz	-66.91 dBm	-54.08 dB	-14.13 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.46732 GHz	-66.94 dBm	-54.11 dB	-14.11 dB

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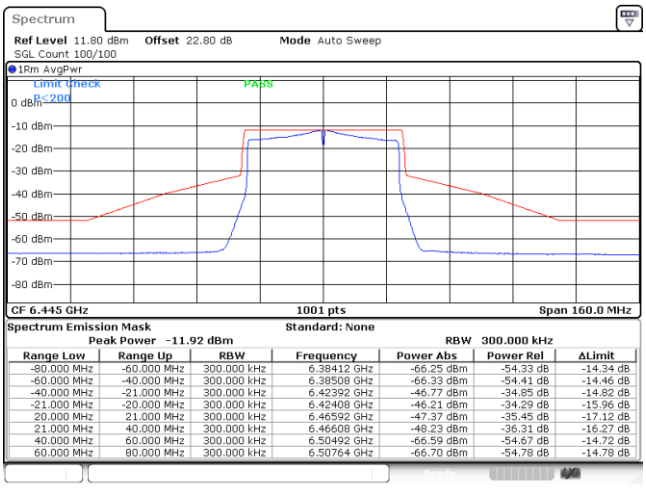
Plot on Channel 6445MHz



Spectrum Emission Mask Standard: None
Peak Power -11.92 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	6.38412 GHz	-66.25 dBm	-54.33 dB	-14.34 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.38508 GHz	-66.33 dBm	-54.41 dB	-14.46 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.42392 GHz	-46.77 dBm	-34.85 dB	-14.82 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.42408 GHz	-46.21 dBm	-34.29 dB	-15.96 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.46592 GHz	-47.37 dBm	-35.45 dB	-17.12 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.46608 GHz	-48.23 dBm	-36.31 dB	-16.27 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.50492 GHz	-66.59 dBm	-54.67 dB	-14.72 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.50764 GHz	-66.70 dBm	-54.78 dB	-14.78 dB

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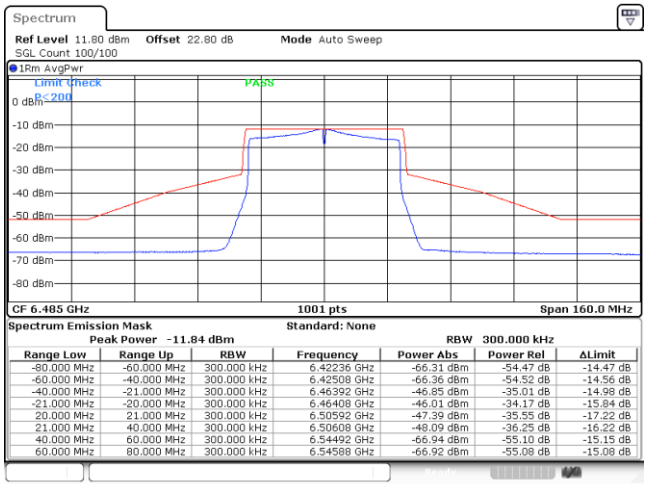
Plot on Channel 6485MHz



Spectrum Emission Mask Standard: None
Peak Power -11.84 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	6.42236 GHz	-66.31 dBm	-54.47 dB	-14.47 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.42508 GHz	-66.36 dBm	-54.52 dB	-14.56 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.46392 GHz	-46.85 dBm	-35.01 dB	-14.98 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.46408 GHz	-46.01 dBm	-34.17 dB	-15.84 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.50592 GHz	-47.39 dBm	-35.55 dB	-17.22 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.50608 GHz	-48.09 dBm	-36.25 dB	-16.22 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.54492 GHz	-66.94 dBm	-55.10 dB	-15.15 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.54588 GHz	-66.92 dBm	-55.08 dB	-15.08 dB

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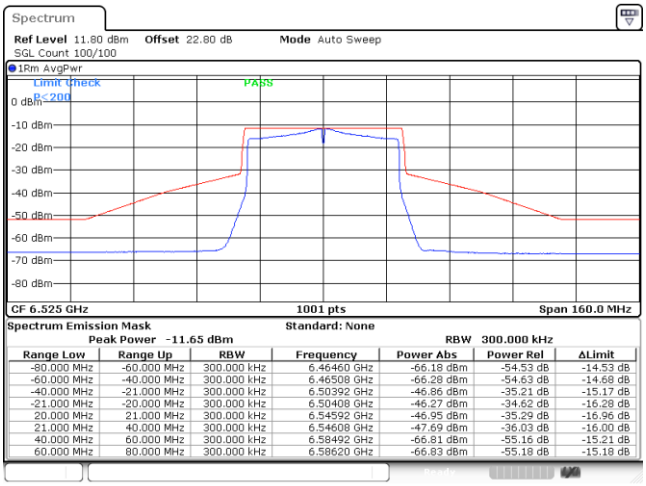
Plot on Channel 6525MHz

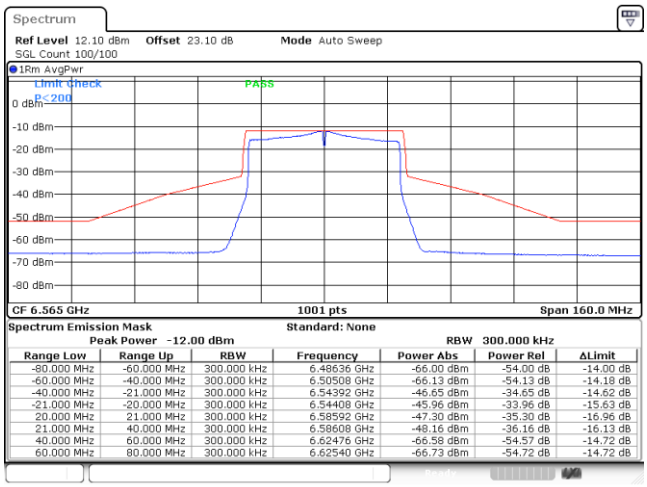


Spectrum Emission Mask Standard: None
Peak Power -11.65 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.46460 GHz	-66.18 dBm	-54.53 dB	-14.53 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.46508 GHz	-66.28 dBm	-54.63 dB	-14.68 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.50392 GHz	-46.86 dBm	-35.21 dB	-15.17 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.50408 GHz	-46.27 dBm	-34.62 dB	-16.28 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.54592 GHz	-46.95 dBm	-35.29 dB	-16.96 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.54608 GHz	-47.69 dBm	-36.03 dB	-16.00 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.58492 GHz	-66.81 dBm	-55.16 dB	-15.21 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.58620 GHz	-66.83 dBm	-55.18 dB	-15.18 dB

Date: 20.OCT.2022 21:04:04

Plot on Channel 6565MHz

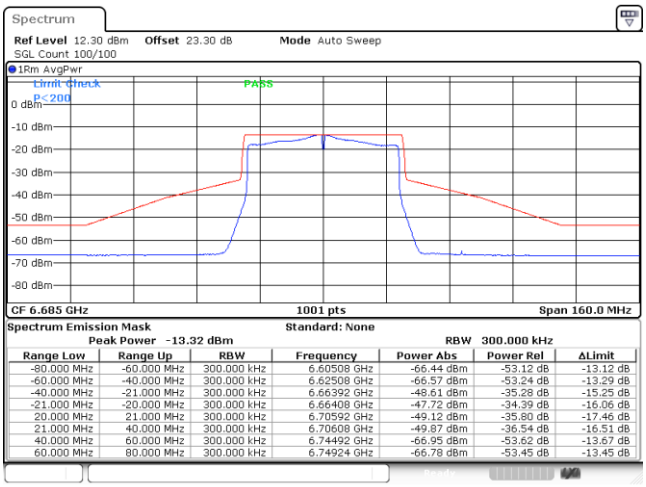


Spectrum Emission Mask Standard: None
Peak Power -12.00 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.48636 GHz	-66.00 dBm	-54.00 dB	-14.00 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.50508 GHz	-66.13 dBm	-54.13 dB	-14.18 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.54392 GHz	-46.65 dBm	-34.65 dB	-14.62 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.54408 GHz	-45.96 dBm	-33.96 dB	-15.63 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.58592 GHz	-47.30 dBm	-35.30 dB	-16.96 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.58608 GHz	-48.16 dBm	-36.16 dB	-16.13 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.62476 GHz	-66.58 dBm	-54.57 dB	-14.72 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.62540 GHz	-66.73 dBm	-54.72 dB	-14.72 dB

Date: 20.OCT.2022 21:28:44

Plot on Channel 6685MHz

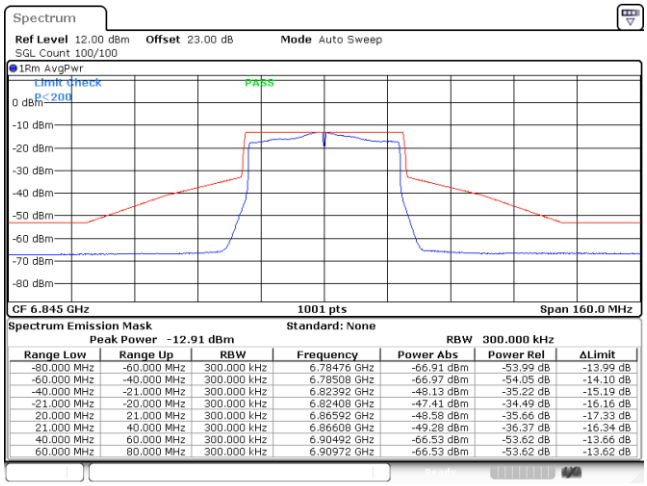


Spectrum Emission Mask Standard: None
Peak Power -13.32 dBm RBW 300.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	6.60508 GHz	-66.44 dBm	-53.12 dB	-13.12 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.62508 GHz	-66.57 dBm	-53.24 dB	-13.29 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.66392 GHz	-48.61 dBm	-35.28 dB	-15.25 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.66408 GHz	-47.72 dBm	-34.39 dB	-16.06 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.70592 GHz	-49.12 dBm	-35.80 dB	-17.46 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.70608 GHz	-49.87 dBm	-36.54 dB	-16.51 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.74492 GHz	-66.95 dBm	-53.62 dB	-13.67 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.74924 GHz	-66.78 dBm	-53.45 dB	-13.45 dB

Date: 20.OCT.2022 21:32:04

Plot on Channel 6845MHz



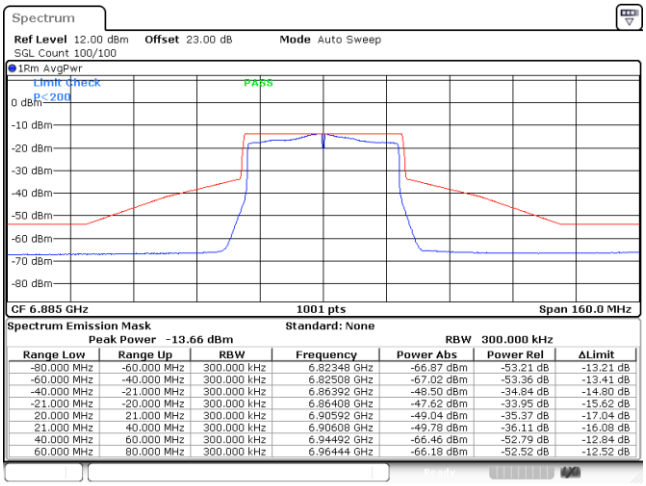
Spectrum Emission Mask Standard: None

Peak Power -12.91 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	6.78476 GHz	-66.91 dBm	-53.99 dB	-13.99 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.78508 GHz	-66.97 dBm	-54.05 dB	-14.10 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.82392 GHz	-48.13 dBm	-35.22 dB	-15.19 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.82408 GHz	-47.41 dBm	-34.49 dB	-16.16 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.86592 GHz	-48.58 dBm	-35.66 dB	-17.33 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.86608 GHz	-49.28 dBm	-36.37 dB	-16.34 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.90492 GHz	-66.53 dBm	-53.62 dB	-13.66 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.90972 GHz	-66.53 dBm	-53.62 dB	-13.62 dB

Date: 20.OCT.2022 21:36:26

Plot on Channel 6885MHz



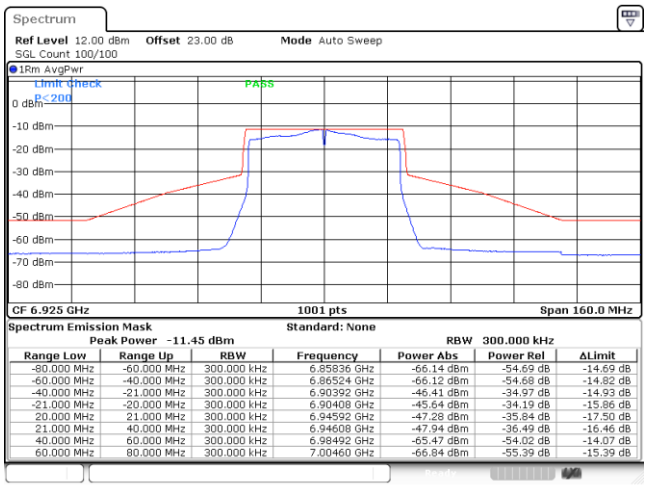
Spectrum Emission Mask Standard: None

Peak Power -13.66 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	6.82348 GHz	-66.87 dBm	-53.21 dB	-13.21 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.82508 GHz	-67.02 dBm	-53.36 dB	-13.41 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.86392 GHz	-48.50 dBm	-34.84 dB	-14.80 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.86408 GHz	-47.62 dBm	-33.95 dB	-15.62 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.90592 GHz	-49.04 dBm	-35.37 dB	-17.04 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.90608 GHz	-49.78 dBm	-36.11 dB	-16.08 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.94492 GHz	-66.46 dBm	-52.79 dB	-12.84 dB
60.000 MHz	80.000 MHz	300.000 kHz	6.96444 GHz	-66.18 dBm	-52.52 dB	-12.52 dB

Date: 20.OCT.2022 21:40:39

Plot on Channel 6925MHz



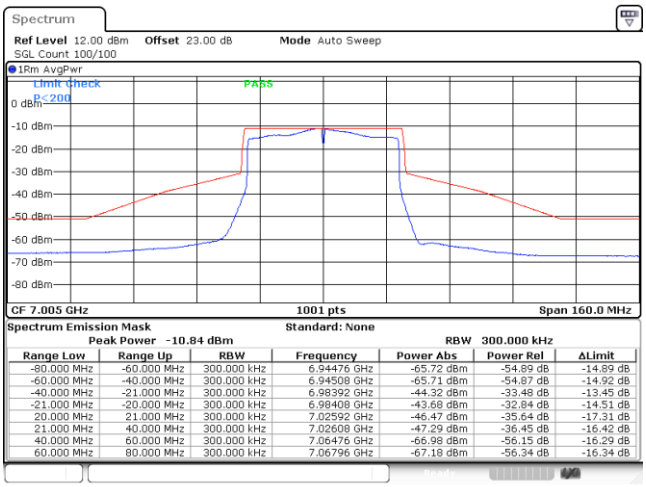
Spectrum Emission Mask Standard: None

Peak Power -11.45 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	6.85836 GHz	-66.14 dBm	-54.69 dB	-14.69 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.86524 GHz	-66.12 dBm	-54.68 dB	-14.82 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.90392 GHz	-46.41 dBm	-34.97 dB	-14.93 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.90408 GHz	-45.64 dBm	-34.19 dB	-15.86 dB
20.000 MHz	21.000 MHz	300.000 kHz	6.94592 GHz	-47.28 dBm	-35.84 dB	-17.50 dB
21.000 MHz	40.000 MHz	300.000 kHz	6.94608 GHz	-47.94 dBm	-36.49 dB	-16.46 dB
40.000 MHz	60.000 MHz	300.000 kHz	6.98492 GHz	-65.47 dBm	-54.02 dB	-14.07 dB
60.000 MHz	80.000 MHz	300.000 kHz	7.00460 GHz	-66.84 dBm	-55.39 dB	-15.39 dB

Date: 20.OCT.2022 21:45:29

Plot on Channel 7005MHz



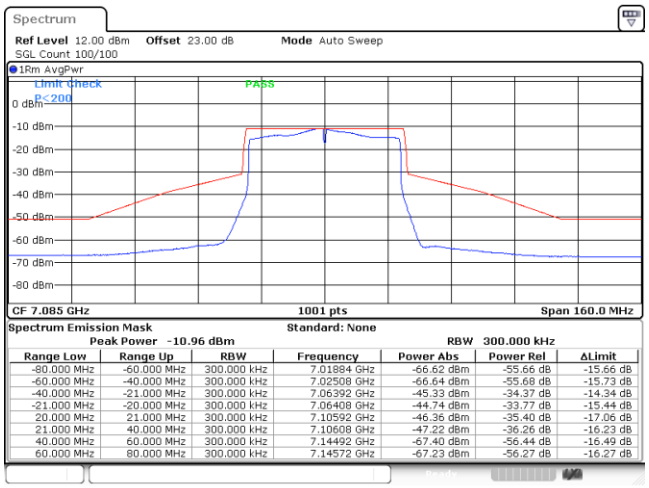
Spectrum Emission Mask Standard: None

Peak Power -10.84 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	6.94476 GHz	-65.72 dBm	-54.89 dB	-14.89 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	6.94508 GHz	-65.71 dBm	-54.87 dB	-14.92 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	6.98392 GHz	-44.32 dBm	-33.48 dB	-13.45 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	6.98408 GHz	-43.68 dBm	-32.84 dB	-14.51 dB
20.000 MHz	21.000 MHz	300.000 kHz	7.02592 GHz	-46.47 dBm	-35.64 dB	-17.31 dB
21.000 MHz	40.000 MHz	300.000 kHz	7.02608 GHz	-47.29 dBm	-36.45 dB	-16.42 dB
40.000 MHz	60.000 MHz	300.000 kHz	7.06476 GHz	-66.98 dBm	-56.15 dB	-16.29 dB
60.000 MHz	80.000 MHz	300.000 kHz	7.06796 GHz	-67.18 dBm	-56.34 dB	-16.34 dB

Date: 20.OCT.2022 21:49:02

Plot on Channel 7085MHz

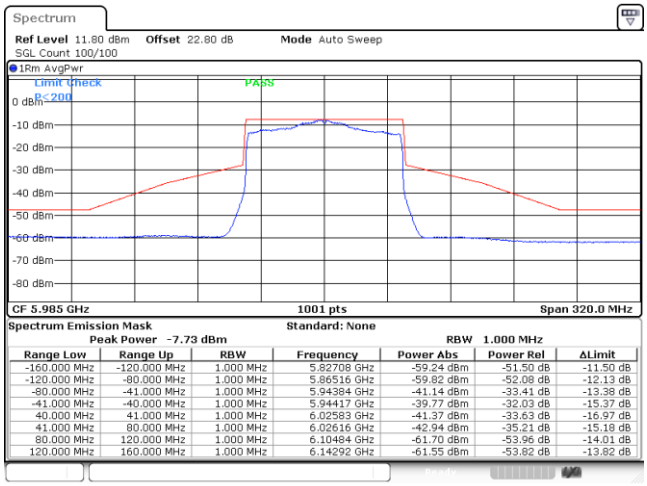


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-80.000 MHz	-60.000 MHz	300.000 kHz	7.01884 GHz	-66.62 dBm	-55.66 dB	-15.66 dB
-60.000 MHz	-40.000 MHz	300.000 kHz	7.02508 GHz	-66.64 dBm	-55.68 dB	-15.73 dB
-40.000 MHz	-21.000 MHz	300.000 kHz	7.06392 GHz	-45.33 dBm	-34.37 dB	-14.34 dB
-21.000 MHz	-20.000 MHz	300.000 kHz	7.06408 GHz	-44.74 dBm	-33.77 dB	-15.44 dB
20.000 MHz	21.000 MHz	300.000 kHz	7.10592 GHz	-46.36 dBm	-35.40 dB	-17.06 dB
21.000 MHz	40.000 MHz	300.000 kHz	7.10608 GHz	-47.22 dBm	-36.26 dB	-16.23 dB
40.000 MHz	60.000 MHz	300.000 kHz	7.14492 GHz	-67.40 dBm	-56.44 dB	-16.49 dB
60.000 MHz	80.000 MHz	300.000 kHz	7.14572 GHz	-67.23 dBm	-56.27 dB	-16.27 dB

Date: 20.OCT.2022 23:11:49

EUT Mode :	802.11ax HE80 Full RU

Plot on Channel 5985MHz

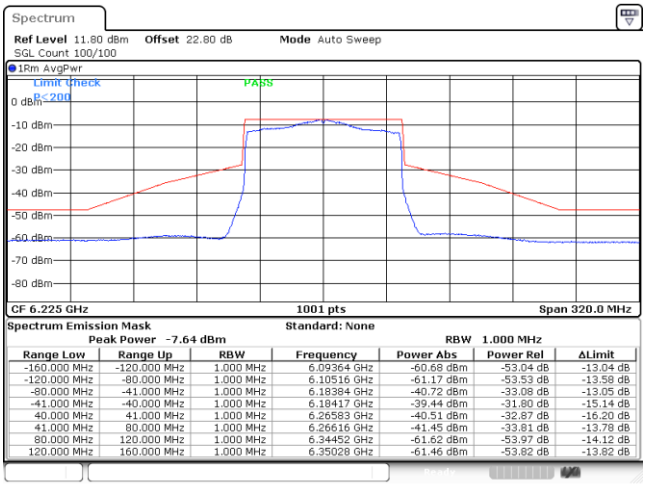


Spectrum Emission Mask Standard: None
Peak Power -7.73 dBm RBW 1.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	5.82708 GHz	-59.24 dBm	-51.50 dB	-11.50 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	5.86516 GHz	-59.82 dBm	-52.08 dB	-12.13 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	5.94384 GHz	-41.14 dBm	-33.41 dB	-13.38 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	5.94417 GHz	-39.77 dBm	-32.03 dB	-15.37 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.02583 GHz	-41.37 dBm	-33.63 dB	-16.97 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.02616 GHz	-42.94 dBm	-35.21 dB	-15.18 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.10484 GHz	-61.70 dBm	-53.96 dB	-14.01 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.14292 GHz	-61.55 dBm	-53.82 dB	-13.82 dB

Date: 20.OCT.2022 21:54:00

Plot on Channel 6225MHz

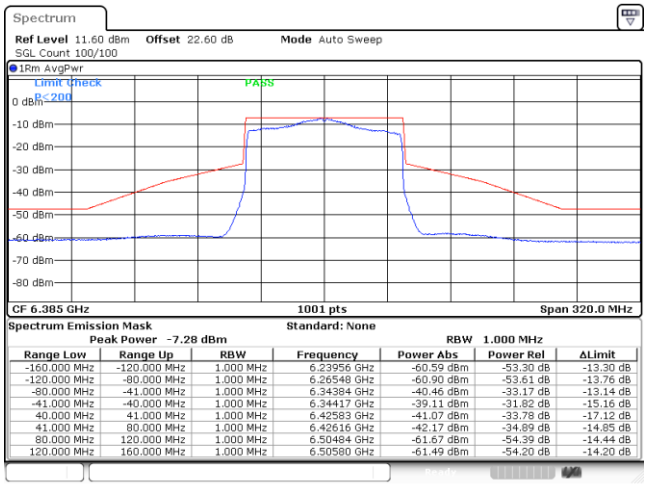


Spectrum Emission Mask Standard: None
Peak Power -7.64 dBm RBW 1.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.09364 GHz	-60.68 dBm	-53.04 dB	-13.04 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.10516 GHz	-61.17 dBm	-53.53 dB	-13.58 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.18384 GHz	-40.72 dBm	-33.08 dB	-13.05 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.18417 GHz	-39.44 dBm	-31.80 dB	-15.14 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.26583 GHz	-40.51 dBm	-32.87 dB	-16.20 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.26616 GHz	-41.45 dBm	-33.81 dB	-13.78 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.34452 GHz	-61.62 dBm	-53.97 dB	-14.12 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.35028 GHz	-61.46 dBm	-53.82 dB	-13.82 dB

Date: 20.OCT.2022 21:58:35

Plot on Channel 6385MHz

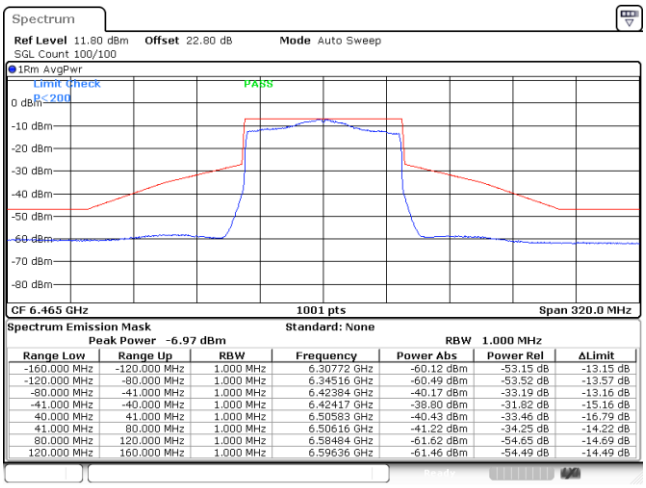


Spectrum Emission Mask Standard: None
Peak Power -7.28 dBm RBW 1.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.23956 GHz	-60.59 dBm	-53.30 dB	-13.30 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.26548 GHz	-60.90 dBm	-53.61 dB	-13.76 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.34384 GHz	-40.46 dBm	-33.17 dB	-13.14 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.34417 GHz	-39.11 dBm	-31.82 dB	-15.16 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.42583 GHz	-41.07 dBm	-33.78 dB	-17.12 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.42616 GHz	-42.17 dBm	-34.89 dB	-14.85 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.50484 GHz	-61.67 dBm	-54.39 dB	-14.44 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.50580 GHz	-61.49 dBm	-54.20 dB	-14.20 dB

Date: 20.OCT.2022 22:04:03

Plot on Channel 6465MHz

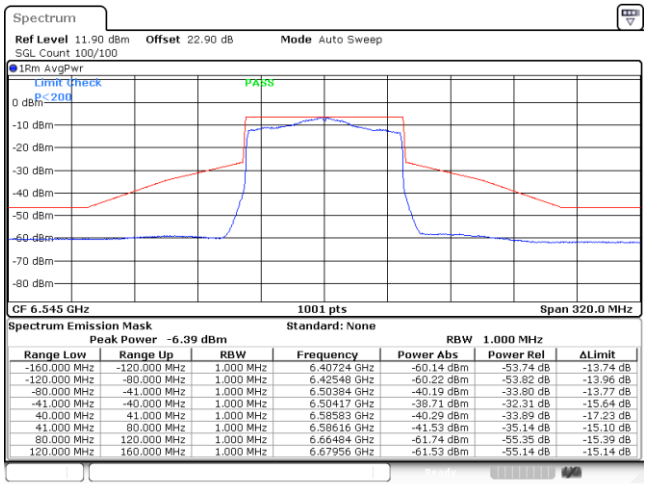


Spectrum Emission Mask Standard: None
Peak Power -6.97 dBm RBW 1.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.30772 GHz	-60.12 dBm	-53.15 dB	-13.15 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.34516 GHz	-60.49 dBm	-53.52 dB	-13.57 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.42384 GHz	-40.17 dBm	-33.19 dB	-13.16 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.42417 GHz	-38.80 dBm	-31.82 dB	-15.16 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.50583 GHz	-40.43 dBm	-33.46 dB	-16.79 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.50616 GHz	-41.22 dBm	-34.25 dB	-14.22 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.58484 GHz	-61.62 dBm	-54.65 dB	-14.69 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.59636 GHz	-61.46 dBm	-54.49 dB	-14.49 dB

Date: 20.OCT.2022 22:07:07

Plot on Channel 6545MHz

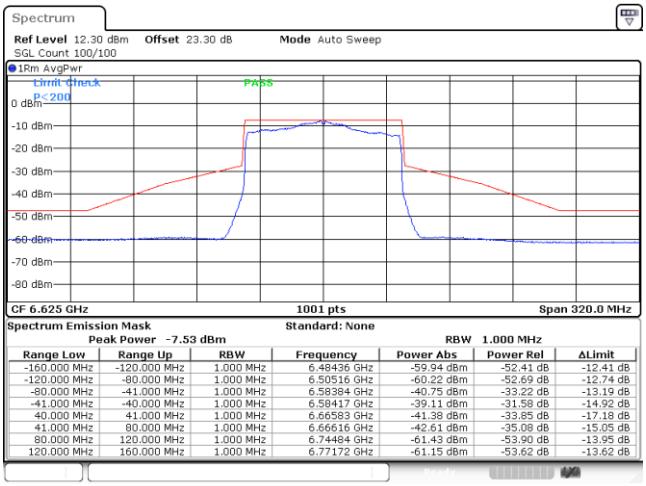


Spectrum Emission Mask Standard: None
Peak Power -6.39 dBm RBW 1.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.40724 GHz	-60.14 dBm	-53.74 dB	-13.74 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.42548 GHz	-60.22 dBm	-53.82 dB	-13.96 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.50384 GHz	-40.19 dBm	-33.80 dB	-13.77 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.50417 GHz	-38.71 dBm	-32.31 dB	-15.64 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.58583 GHz	-40.29 dBm	-33.89 dB	-17.23 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.58616 GHz	-41.53 dBm	-35.14 dB	-15.10 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.66484 GHz	-61.74 dBm	-55.35 dB	-15.39 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.67956 GHz	-61.53 dBm	-55.14 dB	-15.14 dB

Date: 20.OCT.2022 22:10:31

Plot on Channel 6625MHz

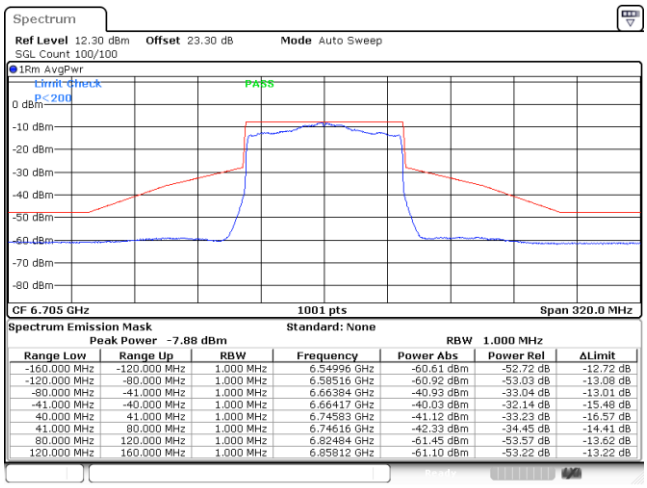


Spectrum Emission Mask Standard: None
Peak Power -7.53 dBm RBW 1.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.48436 GHz	-59.94 dBm	-52.41 dB	-12.41 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.50516 GHz	-60.22 dBm	-52.69 dB	-12.74 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.58384 GHz	-40.75 dBm	-33.22 dB	-13.19 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.58417 GHz	-39.11 dBm	-31.58 dB	-14.92 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.66583 GHz	-41.38 dBm	-33.85 dB	-17.18 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.66616 GHz	-42.61 dBm	-35.08 dB	-15.05 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.74484 GHz	-61.43 dBm	-53.90 dB	-13.95 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.77172 GHz	-61.15 dBm	-53.62 dB	-13.62 dB

Date: 20.OCT.2022 22:13:44

Plot on Channel 6705MHz

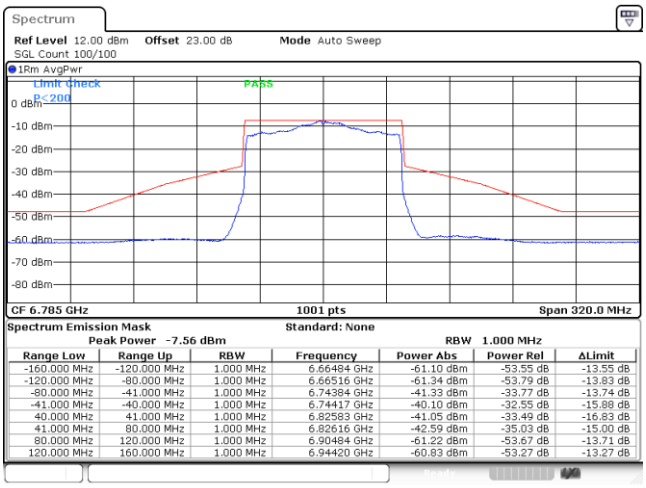


Spectrum Emission Mask Standard: None
Peak Power -7.88 dBm RBW 1.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.54996 GHz	-60.61 dBm	-52.72 dB	-12.72 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.58516 GHz	-60.92 dBm	-53.03 dB	-13.08 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.66384 GHz	-40.93 dBm	-33.04 dB	-13.01 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.66417 GHz	-40.03 dBm	-32.14 dB	-15.48 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.74583 GHz	-41.12 dBm	-33.23 dB	-16.57 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.74616 GHz	-42.33 dBm	-34.45 dB	-14.41 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.82484 GHz	-61.45 dBm	-53.57 dB	-13.62 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.85812 GHz	-61.10 dBm	-53.22 dB	-13.22 dB

Date: 20.OCT.2022 22:16:16

Plot on Channel 6785MHz

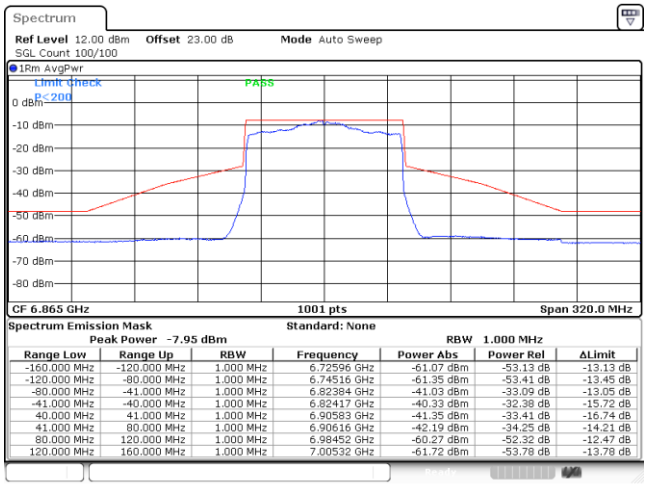


Spectrum Emission Mask Standard: None
Peak Power -7.56 dBm RBW 1.000 MHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-160.000 MHz	-120.000 MHz	1.000 MHz	6.66484 GHz	-61.10 dBm	-53.55 dB	-13.55 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.66516 GHz	-61.34 dBm	-53.79 dB	-13.83 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.74384 GHz	-41.33 dBm	-33.77 dB	-13.74 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.74417 GHz	-40.10 dBm	-32.55 dB	-15.88 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.82583 GHz	-41.05 dBm	-33.49 dB	-16.83 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.82616 GHz	-42.59 dBm	-35.03 dB	-15.00 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.90484 GHz	-61.22 dBm	-53.67 dB	-13.71 dB
120.000 MHz	160.000 MHz	1.000 MHz	6.94420 GHz	-60.83 dBm	-53.27 dB	-13.27 dB

Date: 20.OCT.2022 22:18:24

Plot on Channel 6865MHz



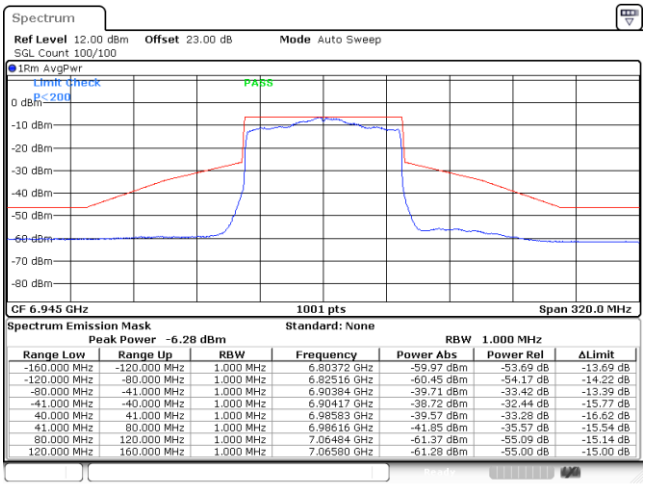
Spectrum Emission Mask Standard: None

Peak Power -7.95 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	6.72596 GHz	-61.07 dBm	-53.13 dB	-13.13 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.74516 GHz	-61.35 dBm	-53.41 dB	-13.45 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.82384 GHz	-41.03 dBm	-33.09 dB	-13.05 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.82417 GHz	-40.33 dBm	-32.38 dB	-15.72 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.90583 GHz	-41.35 dBm	-33.41 dB	-16.74 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.90616 GHz	-42.19 dBm	-34.25 dB	-14.21 dB
80.000 MHz	120.000 MHz	1.000 MHz	6.98452 GHz	-60.27 dBm	-52.32 dB	-12.47 dB
120.000 MHz	160.000 MHz	1.000 MHz	7.00532 GHz	-61.72 dBm	-53.78 dB	-13.78 dB

Date: 20.OCT.2022 22:22:56

Plot on Channel 6945MHz



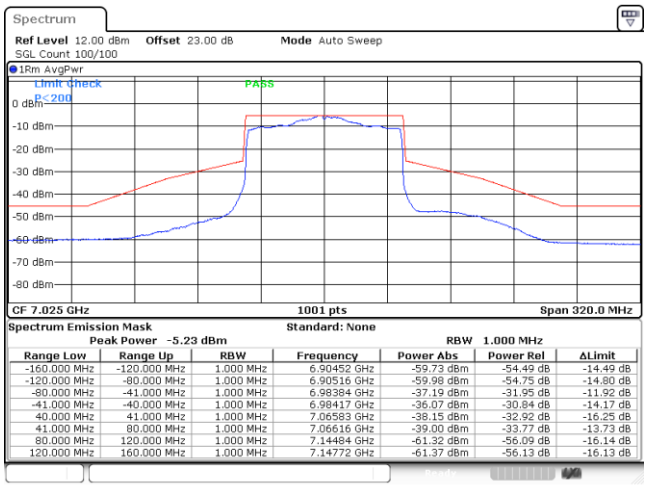
Spectrum Emission Mask Standard: None

Peak Power -6.28 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	6.80372 GHz	-59.97 dBm	-53.69 dB	-13.69 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.82516 GHz	-60.45 dBm	-54.17 dB	-14.22 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.90384 GHz	-39.71 dBm	-33.42 dB	-13.39 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.90417 GHz	-38.72 dBm	-32.44 dB	-15.77 dB
40.000 MHz	41.000 MHz	1.000 MHz	6.98583 GHz	-39.57 dBm	-33.28 dB	-16.62 dB
41.000 MHz	80.000 MHz	1.000 MHz	6.98616 GHz	-41.85 dBm	-35.57 dB	-15.54 dB
80.000 MHz	120.000 MHz	1.000 MHz	7.06484 GHz	-61.37 dBm	-55.09 dB	-15.14 dB
120.000 MHz	160.000 MHz	1.000 MHz	7.06580 GHz	-61.28 dBm	-55.00 dB	-15.00 dB

Date: 20.OCT.2022 22:25:28

Plot on Channel 7025MHz



Spectrum Emission Mask Standard: None

Peak Power -5.23 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	6.90452 GHz	-59.73 dBm	-54.49 dB	-14.49 dB
-120.000 MHz	-80.000 MHz	1.000 MHz	6.90516 GHz	-59.98 dBm	-54.75 dB	-14.80 dB
-80.000 MHz	-41.000 MHz	1.000 MHz	6.98384 GHz	-37.19 dBm	-31.95 dB	-11.92 dB
-41.000 MHz	-40.000 MHz	1.000 MHz	6.98417 GHz	-36.07 dBm	-30.84 dB	-14.17 dB
40.000 MHz	41.000 MHz	1.000 MHz	7.06583 GHz	-38.15 dBm	-32.92 dB	-16.25 dB
41.000 MHz	80.000 MHz	1.000 MHz	7.06616 GHz	-39.00 dBm	-33.77 dB	-13.73 dB
80.000 MHz	120.000 MHz	1.000 MHz	7.14484 GHz	-61.32 dBm	-56.09 dB	-16.14 dB
120.000 MHz	160.000 MHz	1.000 MHz	7.14772 GHz	-61.37 dBm	-56.13 dB	-16.13 dB

Date: 20.OCT.2022 23:24:20

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

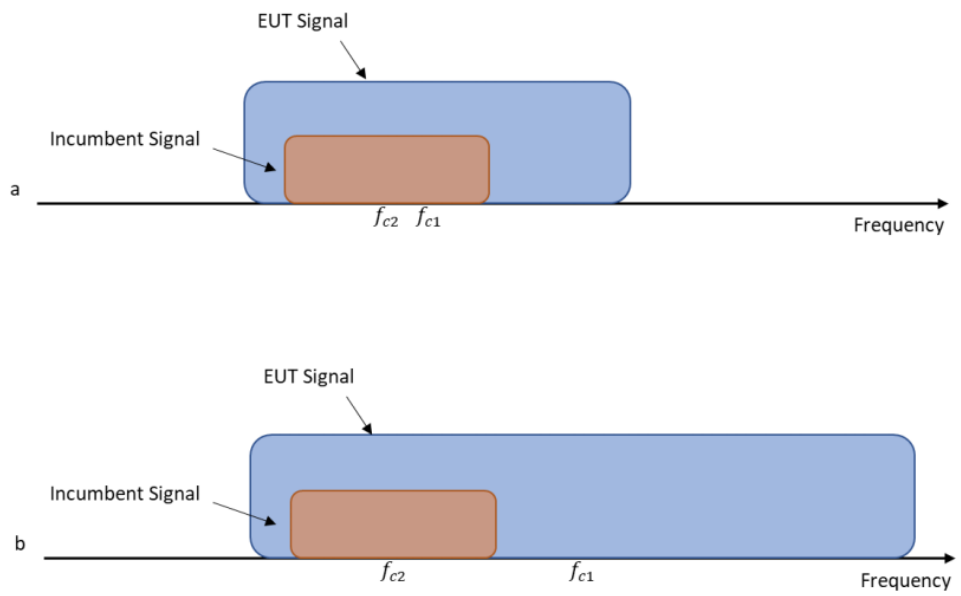


Figure 1. Two possible scenarios where a) center frequency of EUT transmission falls within incumbent's bandwidth, or b) outside of it

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

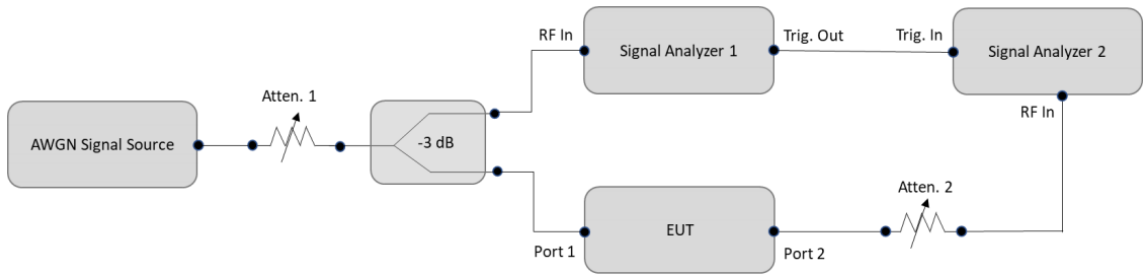


Figure 2. Contention-based protocol test setup, conducted method Step-by-Step Procedure, Conducted Setup

3.5.5 Support Unit used in test configuration and system

Instrument	Brand Name	Model No.	Characteristics
WLAN AP	ASUS	GT-AXE11000	Dual Band AP
Notebook	Acer	N15C1	LAN

3.5.6 Test Summary of Contention Based Protocol Test

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 5	6135	20	6135	-77.95	100	-62	-78.25	16.25
					Result: Stop Transmission			
				-79.95	< 90	-62	-80.25	18.25
					Result: Minimal Operation			
				-80.95	0	-62	-81.25	19.25
					Result: Normal Operation			
	6145	80	6110	-72.94	100	-62	-73.24	11.24
					Result: Stop Transmission			
				-78.94	< 90	-62	-79.24	17.24
					Result: Minimal Operation			
				-79.94	0	-62	-80.24	18.24
					Result: Normal Operation			
			6145	-74.17	100	-62	-74.47	12.47
					Result: Stop Transmission			
				-75.17	< 90	-62	-75.47	13.47
					Result: Minimal Operation			
				-76.17	0	-62	-76.47	14.47
					Result: Normal Operation			
			6180	-76.09	100	-62	-76.39	14.39
					Result: Stop Transmission			
				-78.09	< 90	-62	-78.39	16.39
					Result: Minimal Operation			
				-79.09	0	-62	-79.39	17.39
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (0.30 dBi).

Note 2: Path Loss is negligible. (0 dB)

Note 3: Margin = Regulated Threshold level - Adjusted Power.

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 6	6455	20	6455	-77.83	100	-62	-74.23	12.23
					Result: Stop Transmission			
				-78.83	< 90	-62	-75.23	13.23
					Result: Minimal Operation			
				-79.83	0	-62	-76.23	14.23
					Result: Normal Operation			
	6465	80	6430	-74.67	100	-62	-71.07	9.07
					Result: Stop Transmission			
				-78.67	< 90	-62	-75.07	13.07
					Result: Minimal Operation			
				-79.67	0	-62	-76.07	14.07
					Result: Normal Operation			
			6465	-74.79	100	-62	-71.19	9.19
					Result: Stop Transmission			
				-75.79	< 90	-62	-72.19	10.19
					Result: Minimal Operation			
				-76.79	0	-62	-73.19	11.19
					Result: Normal Operation			
			6500	-75.26	100	-62	-71.66	9.66
					Result: Stop Transmission			
				-79.26	< 90	-62	-75.66	13.66
					Result: Minimal Operation			
				-80.26	0	-62	-76.66	14.66
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (-3.60 dBi).

Note 2: Path Loss is negligible. (0 dB)

Note 3: Margin = Regulated Threshold level - Adjusted Power.

Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 7	6695	20	6695	-75.92	100	-62	-73.22	11.22
					Result: Stop Transmission			
				-76.92	< 90	-62	-74.22	12.22
					Result: Minimal Operation			
				-77.92	0	-62	-75.22	13.22
					Result: Normal Operation			
	6705	80	6670	-74.81	100	-62	-72.11	10.11
					Result: Stop Transmission			
				-77.81	< 90	-62	-75.11	13.11
					Result: Minimal Operation			
				-78.81	0	-62	-76.11	14.11
					Result: Normal Operation			
			6705	-73.32	100	-62	-70.62	8.62
					Result: Stop Transmission			
				-74.32	< 90	-62	-71.62	9.62
					Result: Minimal Operation			
				-75.32	0	-62	-72.62	10.62
					Result: Normal Operation			
			6740	-72.39	100	-62	-69.69	7.69
					Result: Stop Transmission			
				-77.39	< 90	-62	-74.69	12.69
					Result: Minimal Operation			
				-78.39	0	-62	-75.69	13.69
					Result: Normal Operation			

Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (-2.70 dBi).

Note 2: Path Loss is negligible. (0 dB)

Note 3: Margin = Regulated Threshold level - Adjusted Power.

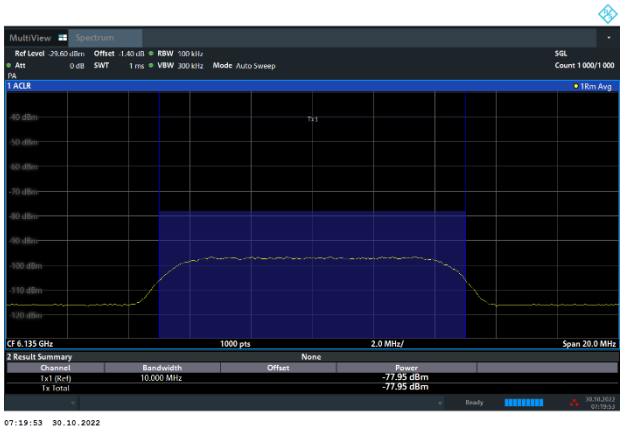
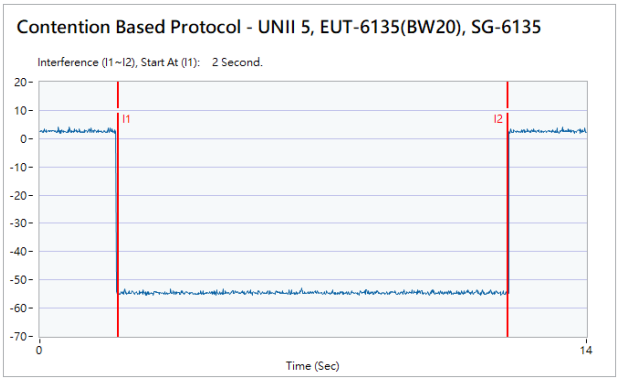
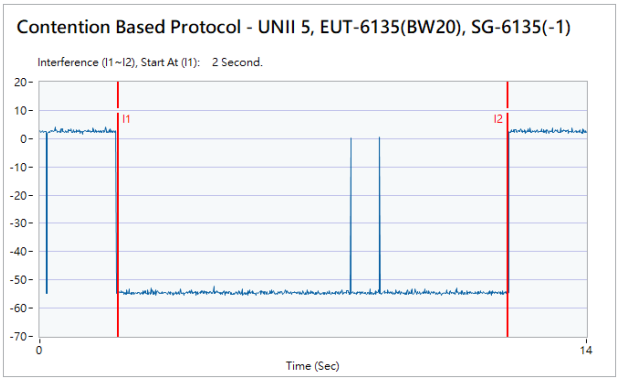
Band	Channel Freq. (MHz)	Channel BW (MHz)	Incumbent freq. (MHz)	Injected AWGN Level (dBm)	Detection Rate (%)	Regulated Threshold level (dBm)	Adjusted Power (dBm)	Margin (dB)
UNII Band 8	7015	20	7015	-76.03	100	-62	-72.53	10.53
					Result: Stop Transmission			
				-78.03	< 90	-62	-74.53	12.53
					Result: Minimal Operation			
				-79.03	0	-62	-75.53	13.53
					Result: Normal Operation			
	7025	80	6990	-74.22	100	-62	-70.72	8.72
					Result: Stop Transmission			
				-77.22	< 90	-62	-73.72	11.72
					Result: Minimal Operation			
				-78.22	0	-62	-74.72	12.72
					Result: Normal Operation			
			7025	-72.15	100	-62	-68.65	6.65
					Result: Stop Transmission			
				-73.15	< 90	-62	-69.65	7.65
					Result: Minimal Operation			
				-74.15	0	-62	-70.65	8.65
					Result: Normal Operation			
			7060	-72.96	100	-62	-69.46	7.46
					Result: Stop Transmission			
				-76.96	< 90	-62	-73.46	11.46
					Result: Minimal Operation			
				-77.96	0	-62	-74.46	12.46
					Result: Normal Operation			

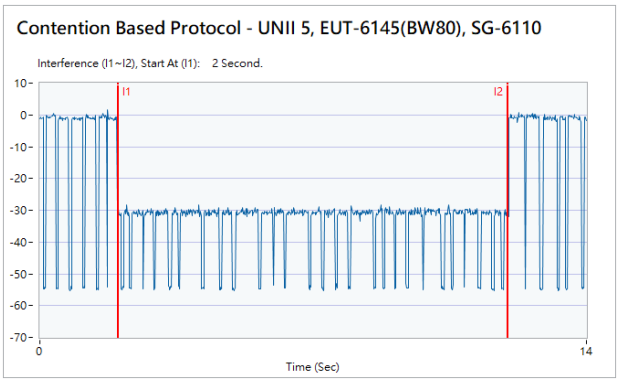
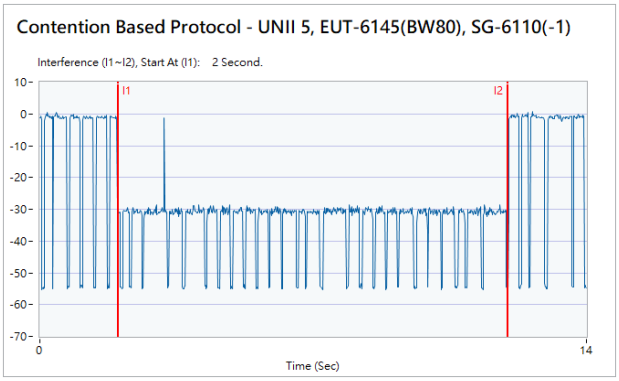
Note 1: Adjusted Power = Injected AWGN Level - minimum antenna gain (-3.50 dBi).

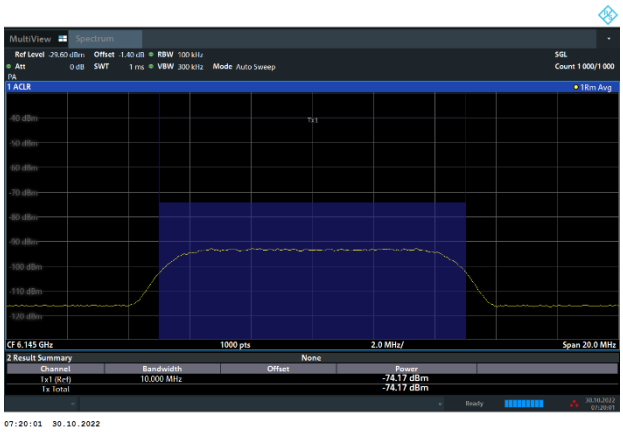
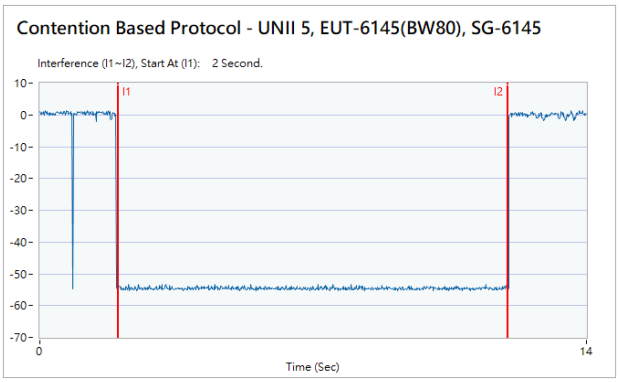
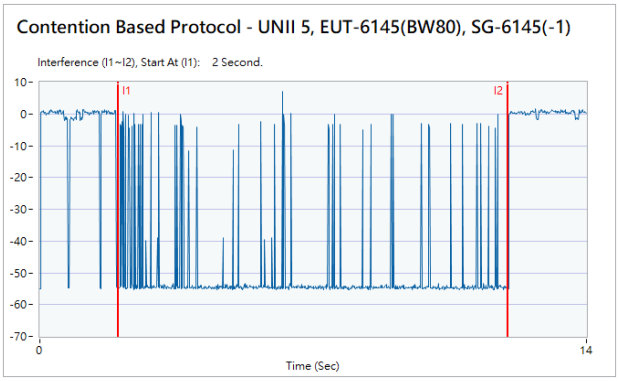
Note 2: Path Loss is negligible. (0 dB)

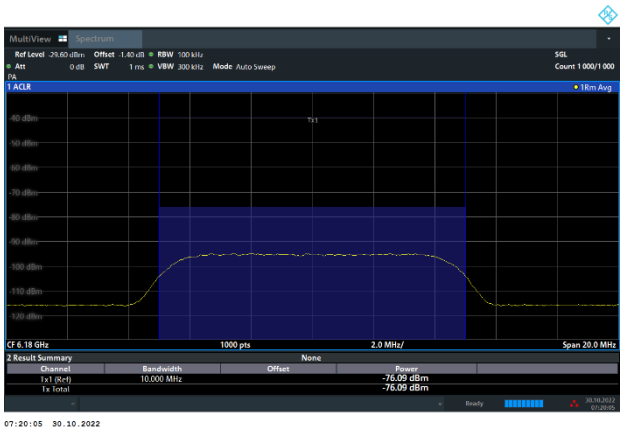
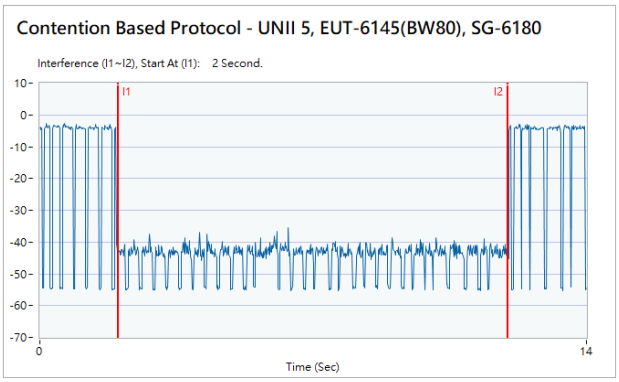
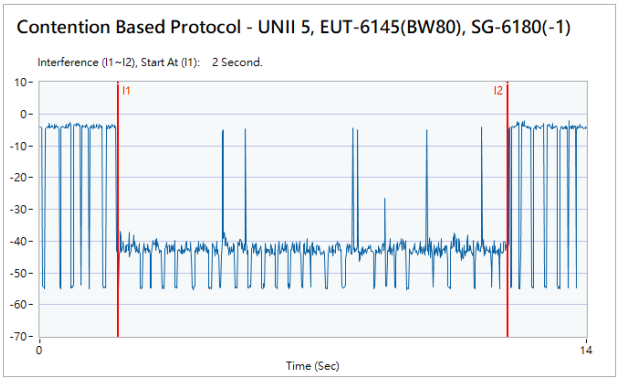
Note 3: Margin = Regulated Threshold level - Adjusted Power.

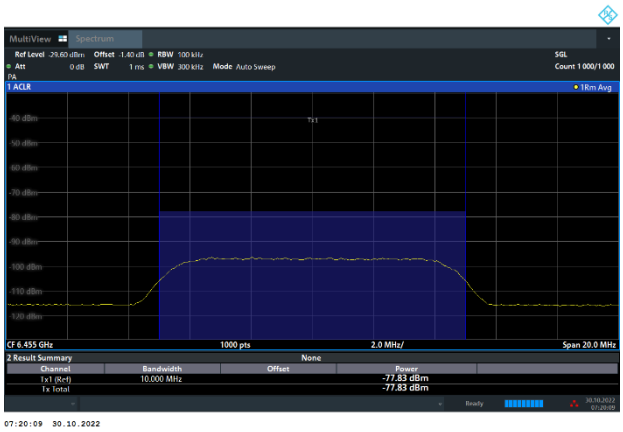
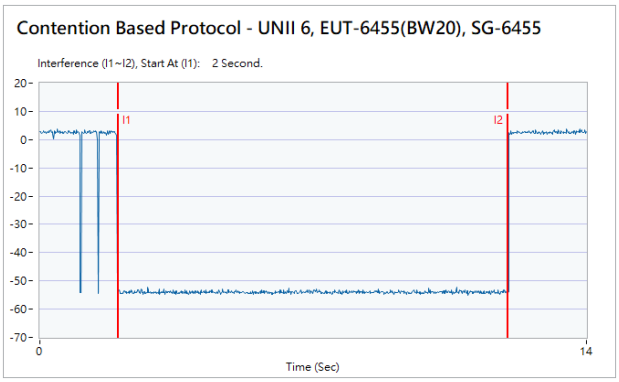
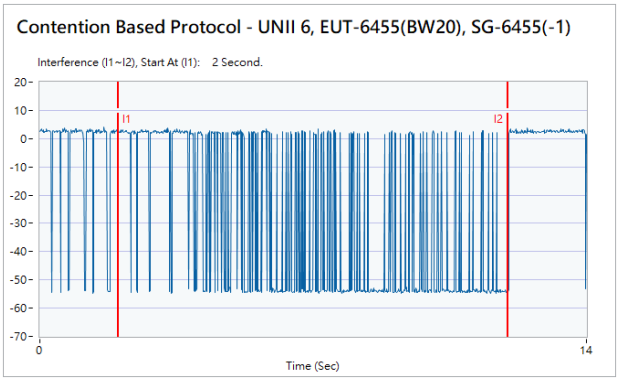
3.5.7 Test Plots of Contention Based Protocol Test

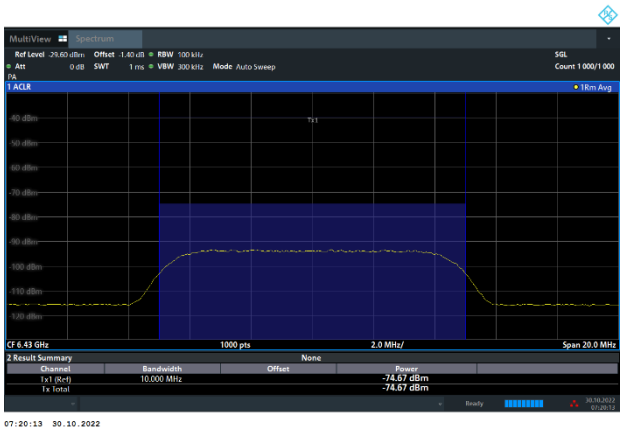
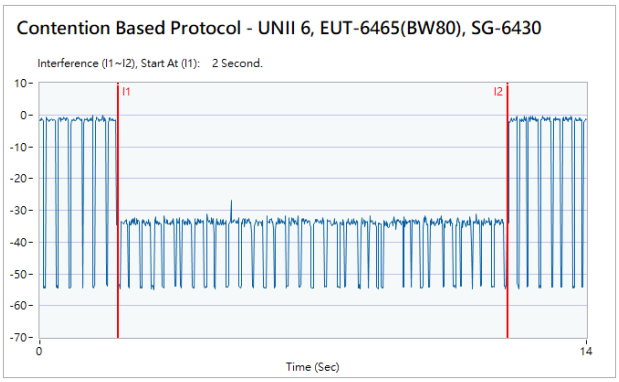
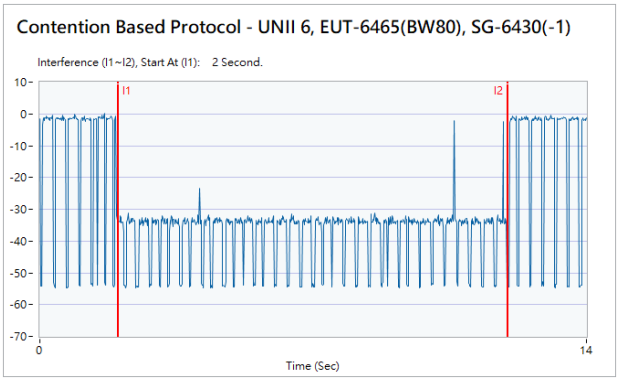
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
802.11ax (HE20) / 6135MHz Threshold Level (TL) = -77.95dBm	802.11ax (HE20) / CH37 Test result is pass due to no transmission occur.
	
802.11ax (HE20) / 6135MHz Threshold Level (TL) = -78.95dBm	802.11ax (HE20) / CH37 Transmit when the interferer is 1dB lower.
	

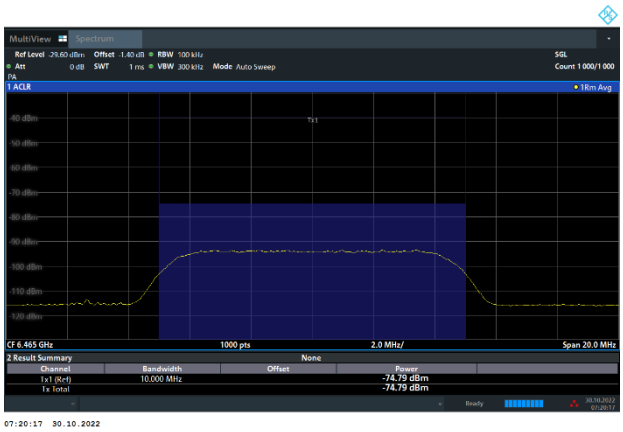
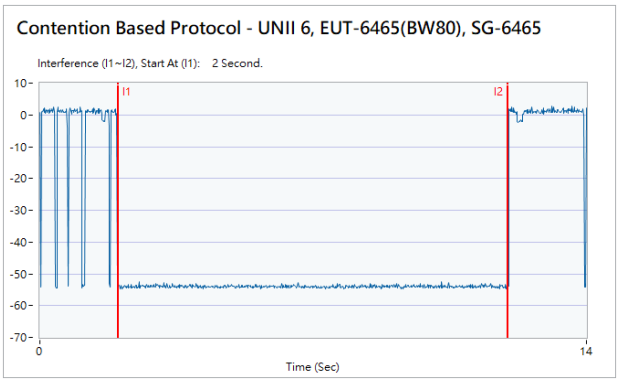
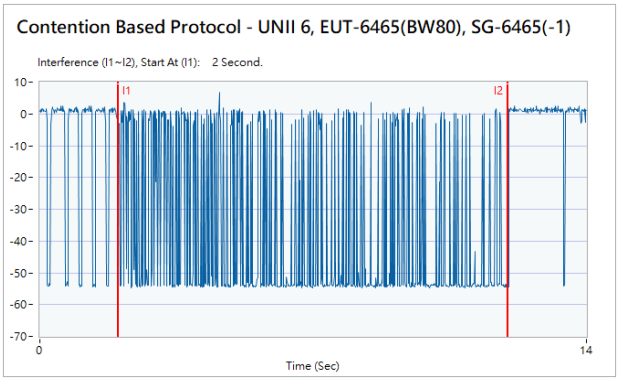
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
802.11ax (HE80) / 6110MHz (Lower edge) Threshold Level (TL) = -72.94dBm	802.11ax (HE80) / CH39 (Lower edge) Test result is pass due to no transmission occur.
	
802.11ax (HE80) / 6110MHz (Lower edge) Threshold Level (TL) = -73.94dBm	802.11ax (HE80) / CH39 (Lower edge) Transmit when the interferer is 1dB lower.
	

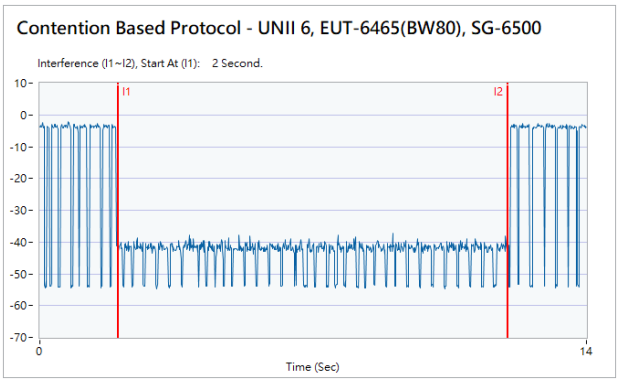
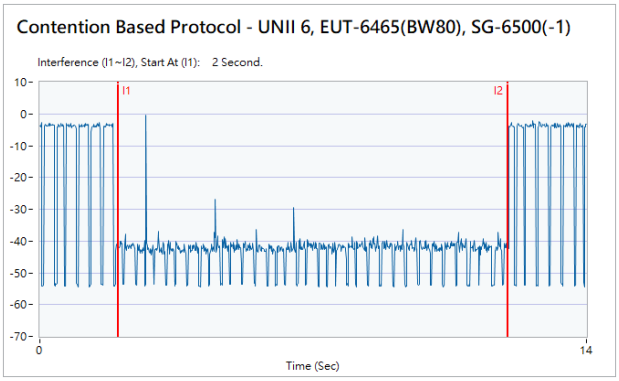
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
802.11ax (HE80) / 6145MHz (Middle) Threshold Level (TL) = -74.17dBm	802.11ax (HE80) / CH39 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE80) / 6145MHz (Middle) Threshold Level (TL) = -75.17dBm	802.11ax (HE80) / CH39 (Middle) Transmit when the interferer is 1dB lower.
	

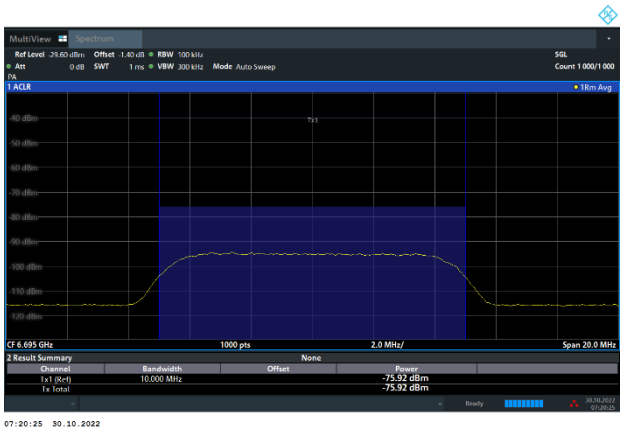
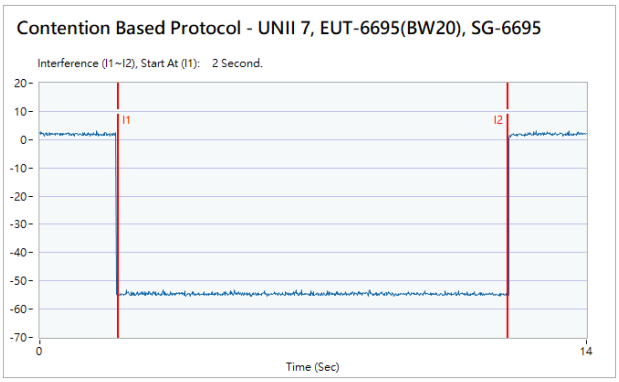
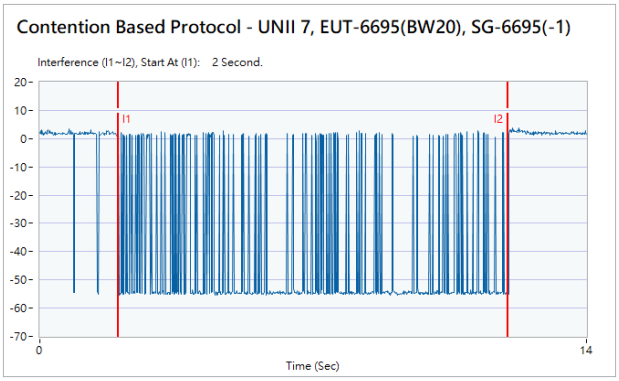
Contention Based Protocol Result Plots on U-NII 5 (AWGN Interference)	
802.11ax (HE80) / 6180MHz (Upper edge) Threshold Level (TL) = -76.09dBm	802.11ax (HE80) / CH39 (Upper edge) Test result is pass due to no transmission occur.
	
802.11ax (HE80) / 6180MHz (Upper edge) Threshold Level (TL) = -77.09dBm	802.11ax (HE80) / CH39 (Upper edge) Transmit when the interferer is 1dB lower.
	

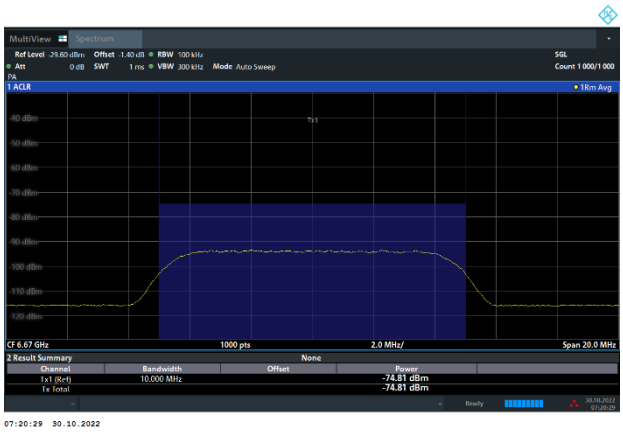
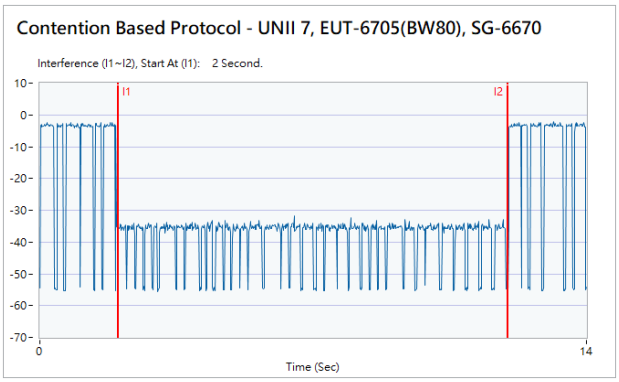
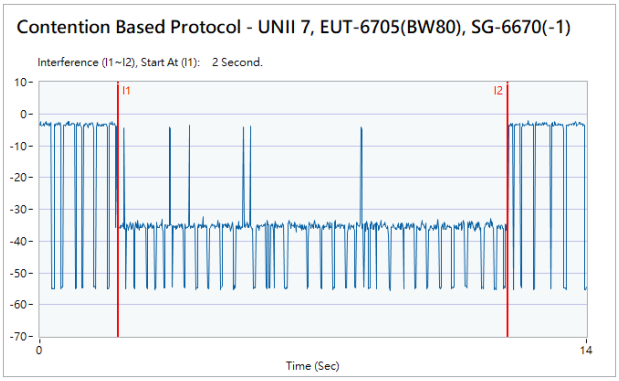
Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)	
802.11ax (HE20) / 6455MHz Threshold Level (TL) = -77.83dBm	802.11ax (HE20) / CH101 Test result is pass due to no transmission occur.
	
802.11ax (HE20) / 6455MHz Threshold Level (TL) = -78.83dBm	802.11ax (HE20) / CH101 Transmit when the interferer is 1dB lower.
	

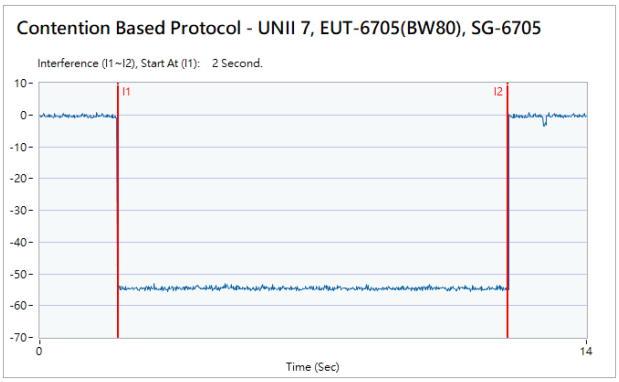
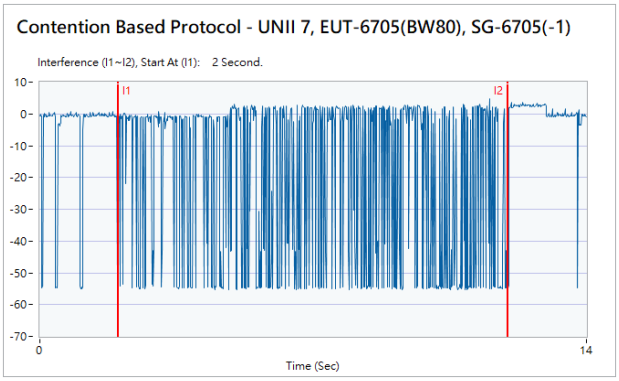
Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)	
802.11ax (HE80) / 6430MHz (Lower edge) Threshold Level (TL) = -74.67dBm	802.11ax (HE80) / CH103 (Lower edge) Test result is pass due to no transmission occur.
	
802.11ax (HE80) / 6430MHz (Lower edge) Threshold Level (TL) = -75.67dBm	802.11ax (HE80) / CH103 (Lower edge) Transmit when the interferer is 1dB lower.
	

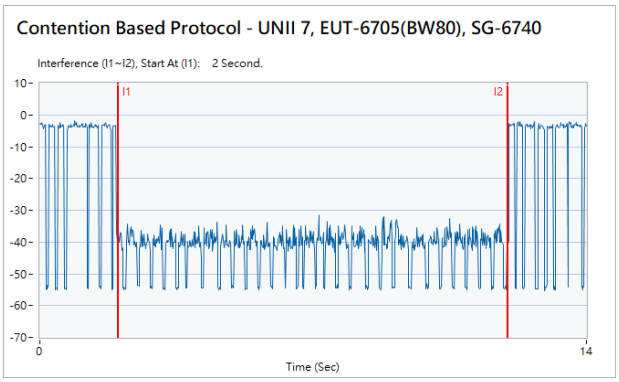
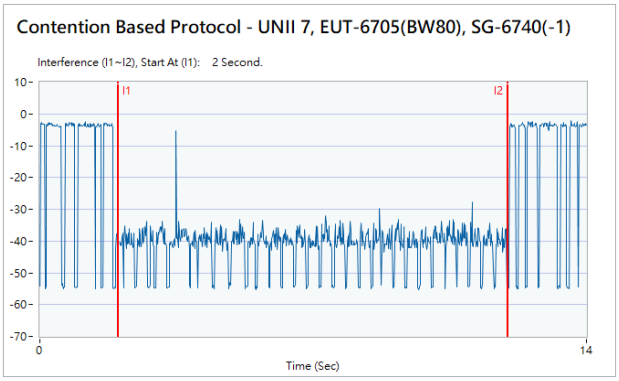
Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)	
802.11ax (HE80) / 6465MHz (Middle) Threshold Level (TL) = -74.79dBm	802.11ax (HE80) / CH103 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE80) / 6465MHz (Middle) Threshold Level (TL) = -75.79dBm	802.11ax (HE80) / CH103 (Middle) Transmit when the interferer is 1dB lower.
	

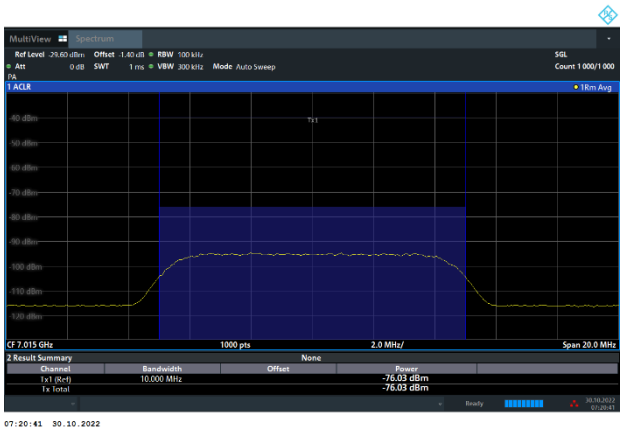
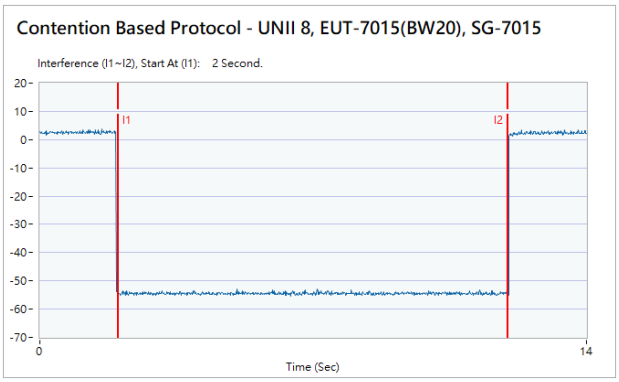
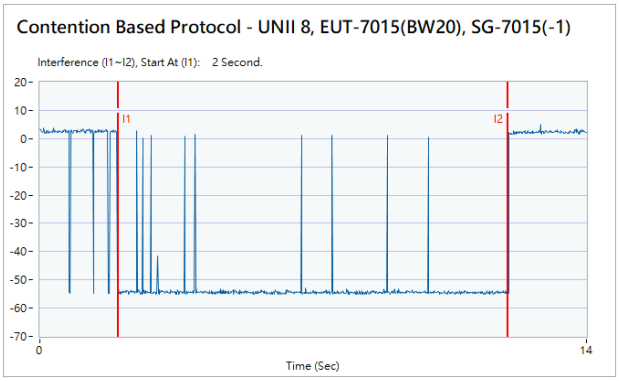
Contention Based Protocol Result Plots on U-NII 6 (AWGN Interference)	
802.11ax (HE80) / 6500MHz (Upper edge) Threshold Level (TL) = -75.26dBm	802.11ax (HE80) / CH103 (Upper edge) Test result is pass due to no transmission occur.
	
802.11ax (HE80) / 6580MHz (Upper edge) Threshold Level (TL) = -76.26dBm	802.11ax (HE80) / CH103 (Upper edge) Transmit when the interferer is 1dB lower.
	

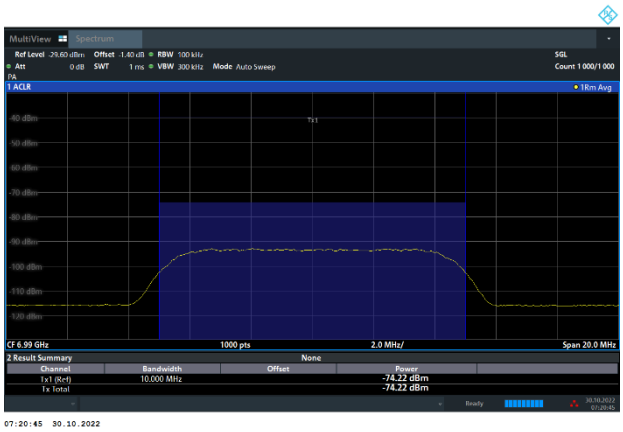
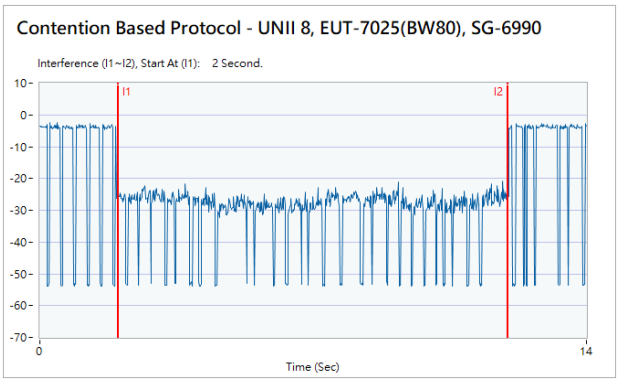
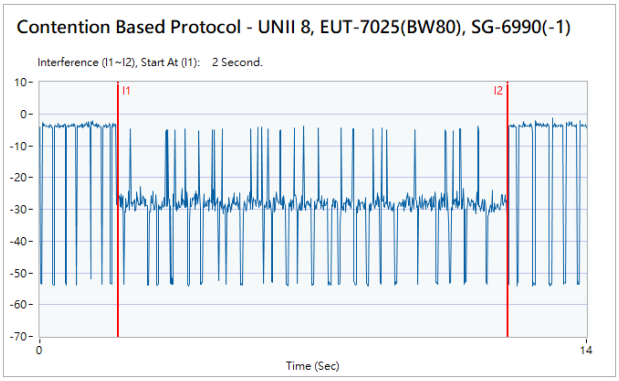
Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)	
802.11ax (HE20) / 6695MHz Threshold Level (TL) = -75.92dBm	802.11ax (HE20) / CH149 Test result is pass due to no transmission occur.
	
802.11ax (HE20) / 6695MHz Threshold Level (TL) = -76.92dBm	802.11ax (HE20) / CH149 Transmit when the interferer is 1dB lower.
	

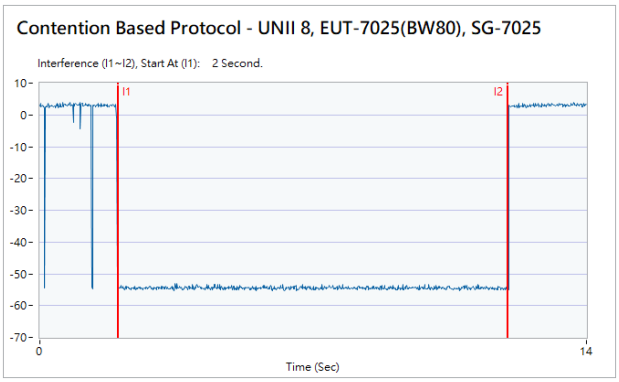
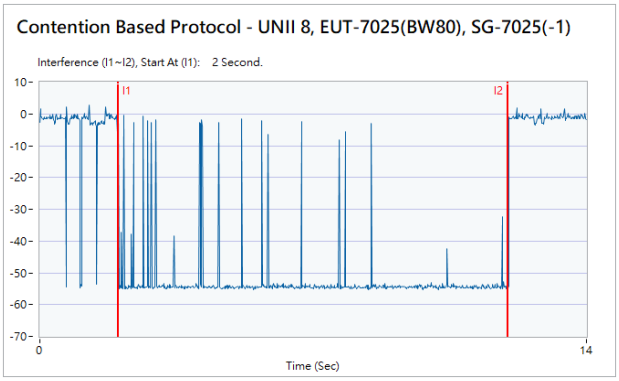
Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)	
802.11ax (HE80) / 6670MHz (Lower edge) Threshold Level (TL) = -74.81dBm	802.11ax (HE80) / CH151 (Lower edge) Test result is pass due to no transmission occur.
	
802.11ax (HE80) / 6670MHz (Lower edge) Threshold Level (TL) = -75.81dBm	802.11ax (HE80) / CH151 (Lower edge) Transmit when the interferer is 1dB lower.
	

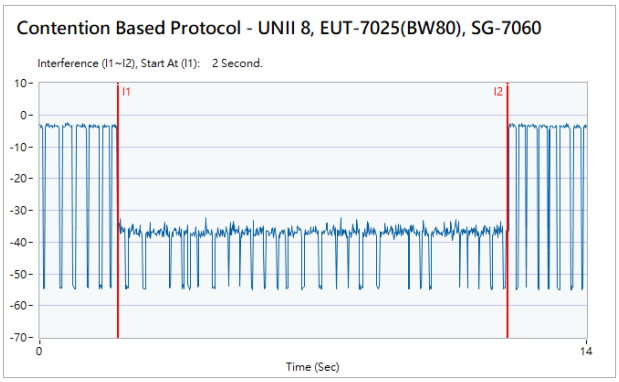
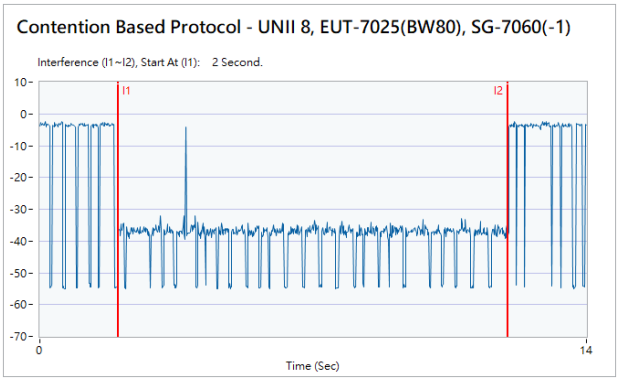
Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)	
802.11ax (HE80) / 6705MHz (Middle) Threshold Level (TL) = -73.32dBm	802.11ax (HE80) / CH143 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE80) / 6705MHz (Middle) Threshold Level (TL) = -74.32dBm	802.11ax (HE80) / CH143 (Middle) Transmit when the interferer is 1dB lower.
	

Contention Based Protocol Result Plots on U-NII 7 (AWGN Interference)	
802.11ax (HE80) / 6740MHz (Upper edge) Threshold Level (TL) = -72.39dBm	802.11ax (HE80) / CH151 (Upper edge) Test result is pass due to no transmission occur.
	
802.11ax (HE80) / 6740MHz (Upper edge) Threshold Level (TL) = -73.39dBm	802.11ax (HE80) / CH151 (Upper edge) Transmit when the interferer is 1dB lower.
	

Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)	
802.11ax (HE20) / 7015MHz Threshold Level (TL) = -76.03dBm	802.11ax (HE20) / CH213 Test result is pass due to no transmission occur.
	
802.11ax (HE20) / 7015MHz Threshold Level (TL) = -77.03dBm	802.11ax (HE20) / CH213 Transmit when the interferer is 1dB lower.
	

Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)	
802.11ax (HE80) / 6990MHz (Lower edge) Threshold Level (TL) = -74.22dBm	802.11ax (HE80) / CH215 (Lower edge) Test result is pass due to no transmission occur.
	
802.11ax (HE80) / 6990MHz (Lower edge) Threshold Level (TL) = -75.22dBm	802.11ax (HE80) / CH215 (Lower edge) Transmit when the interferer is 1dB lower.
	

Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)	
802.11ax (HE80) / 7025MHz (Middle) Threshold Level (TL) = -72.15dBm	802.11ax (HE80) / CH215 (Middle) Test result is pass due to no transmission occur.
	
802.11ax (HE80) / 7025MHz (Middle) Threshold Level (TL) = -73.15dBm	802.11ax (HE80) / CH215 (Middle) Transmit when the interferer is 1dB lower.
	

Contention Based Protocol Result Plots on U-NII 8 (AWGN Interference)	
802.11ax (HE80) / 7060MHz (Upper edge) Threshold Level (TL) = -72.96dBm	802.11ax (HE80) / CH215 (Upper edge) Test result is pass due to no transmission occur.
	
802.11ax (HE80) / 7060MHz (Upper edge) Threshold Level (TL) = -73.96dBm	802.11ax (HE80) / CH215 (Upper edge) Transmit when the interferer is 1dB lower.
	

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.

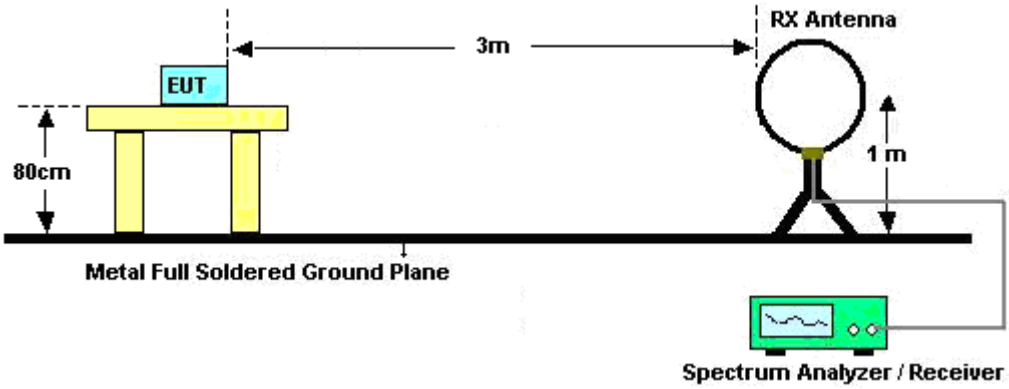
   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (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

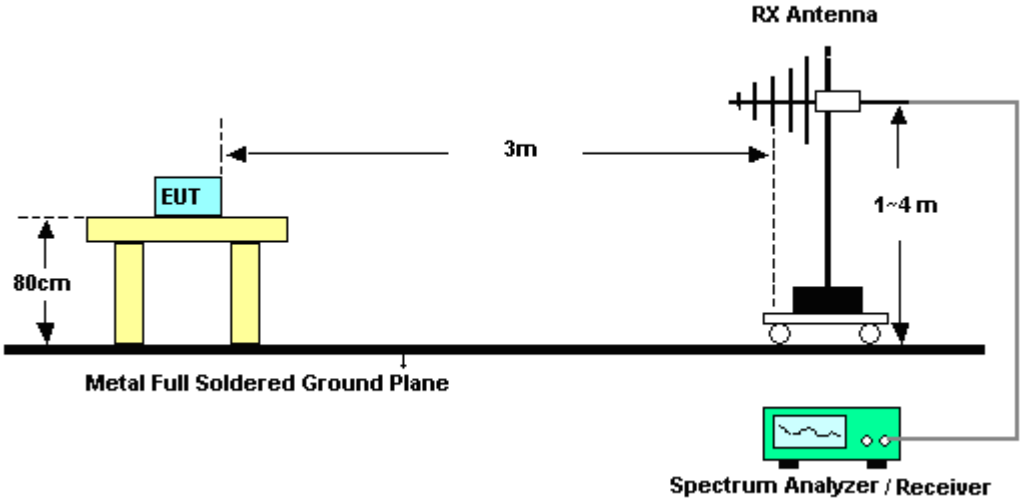
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting 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

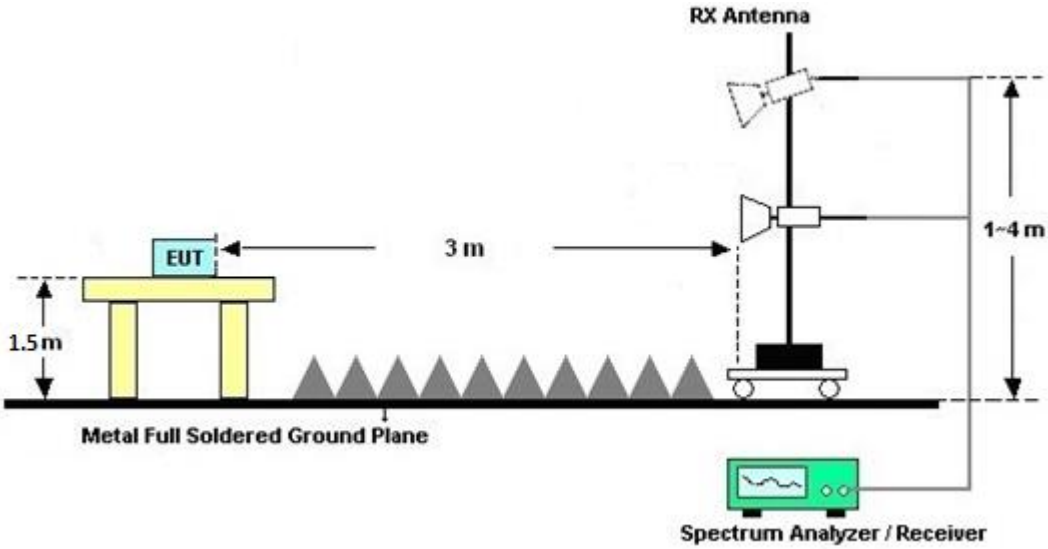
For radiated emissions below 30MHz



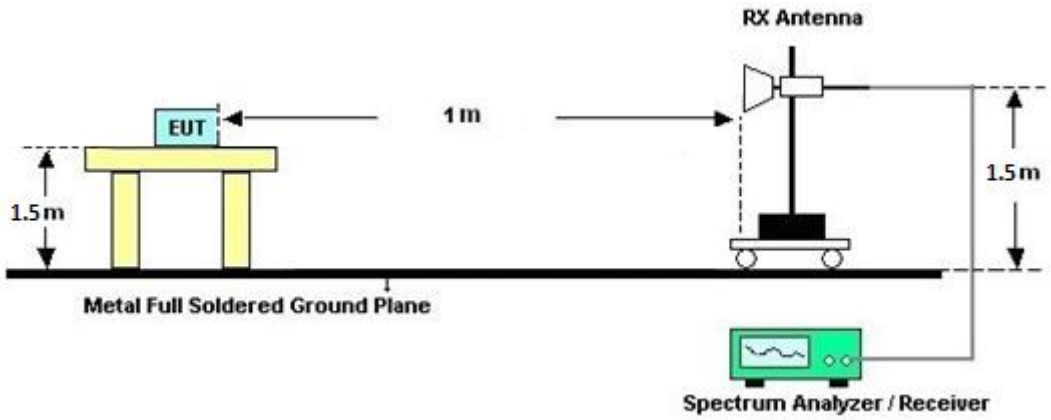
For radiated emissions from 30MHz to 1GHz



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.

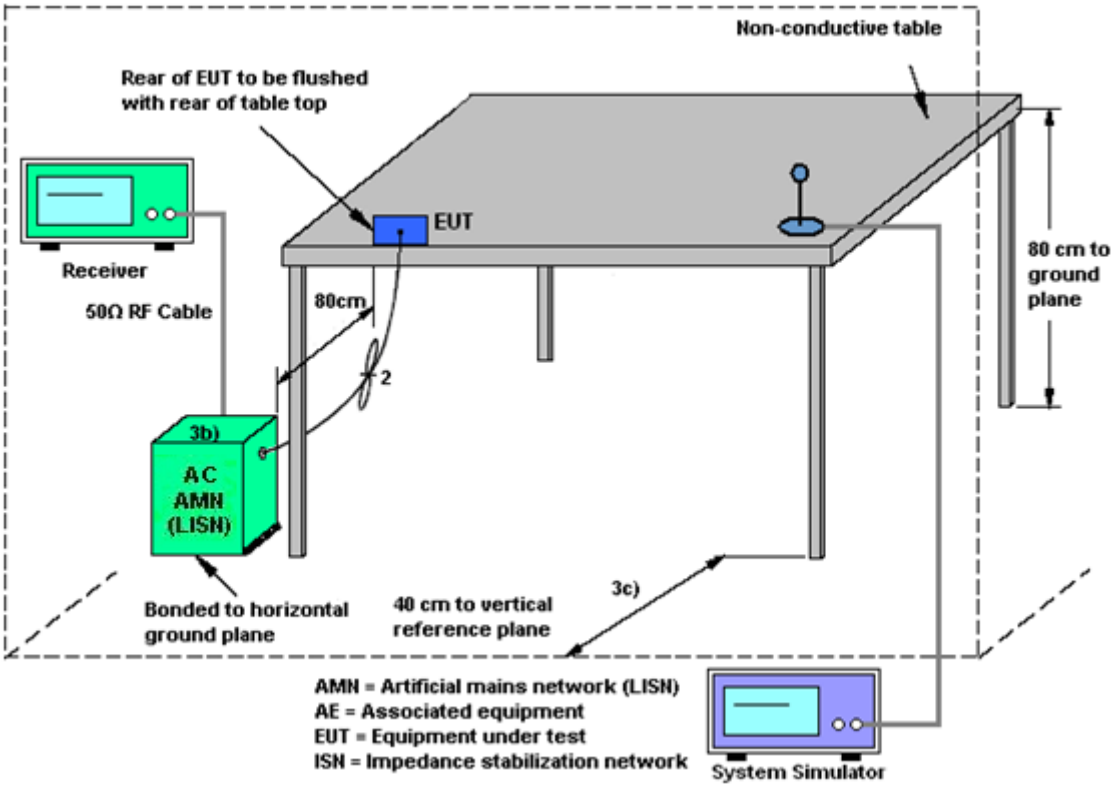
3.7.2 Measuring Instruments

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



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
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	Mar. 18, 2022	Sep. 23, 2022~ Oct. 26, 2022	Mar. 17, 2023	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Sep. 23, 2022~ Oct. 26, 2022	Feb. 05, 2023	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2021	Sep. 23, 2022~ Oct. 26, 2022	Dec. 26, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 23, 2022	Sep. 23, 2022~ Oct. 26, 2022	Jun. 22, 2023	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00993	18GHz~40GHz	Nov. 30, 2021	Sep. 23, 2022~ Oct. 26, 2022	Nov. 29, 2022	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Sep. 01, 2022	Sep. 23, 2022~ Oct. 26, 2022	Aug. 31, 2023	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Sep. 01, 2022	Sep. 23, 2022~ Oct. 26, 2022	Aug. 31, 2023	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz-18GHz	Dec. 16, 2021	Sep. 23, 2022~ Oct. 26, 2022	Dec. 15, 2022	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060802	18-40GHz	Mar. 08, 2022	Sep. 23, 2022~ Oct. 26, 2022	Mar. 07, 2023	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 21, 2021	Sep. 23, 2022~ Oct. 16, 2022	Oct. 20, 2022	Radiation (03CH15-HY
Spectrum Analyzer	Keysight	N9010	MY54200485	10Hz~44GHz	May 07, 2022	Sep. 23, 2022~ Oct. 26, 2022	May 06, 2023	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Sep. 23, 2022~ Oct. 26, 2022	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Sep. 23, 2022~ Oct. 26, 2022	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Sep. 23, 2022~ Oct. 26, 2022	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE, 508405/2E	30MHz~18G	Nov. 15, 2021	Sep. 23, 2022~ Oct. 26, 2022	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804 012/2	30MHz-40GHz	Jan. 04, 2022	Sep. 23, 2022~ Oct. 26, 2022	Jan. 03, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Sep. 23, 2022~ Oct. 26, 2022	Mar. 09, 2023	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	N/A	Mar. 21, 2022	Aug. 11, 2022~ Nov. 22, 2022	Mar. 20, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W #010	RPR6W-2101 002(NO:123)	10MHz~8GHz	Jan. 13, 2022	Aug. 11, 2022~ Nov. 22, 2022	Jan. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz(amp)	Aug. 03, 2022	Aug. 11, 2022~ Nov. 22, 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	Sep. 19, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Sep. 19, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Sep. 19, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2021	Sep. 19, 2022	Nov. 15, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Sep. 19, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Aug. 01, 2022	Sep. 19, 2022	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Sep. 19, 2022	Dec. 29, 2022	Conduction (CO05-HY)
Signal Generator (Interferer)	Rohde & Schwarz	SMW200A	109425	100kHz~7.5GHz	Jan. 13, 2022	Oct. 10, 2022	Jan. 12, 2023	CBP (DF02-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3044	101104	10Hz~44GHz	Feb. 16, 2022	Oct. 10, 2022	Feb. 15, 2023	CBP (DF02-HY)
Power Divider	MTJ	SMA 2Way Power Divider	MD10003	0.5GHz-6GHz	Calibration from System	Oct. 10, 2022	Calibration from System	CBP (DF02-HY)
Power Divider	MTJ	SMA 2Way Power Divider	MD10007	0.5GHz-6GHz	Calibration from System	Oct. 10, 2022	Calibration from System	CBP (DF02-HY)
Power Divider	MVE	MVE8546	A702478	0.5GHz-6GHz	Calibration from System	Oct. 10, 2022	Calibration from System	CBP (DF02-HY)
Coupler	Woken	10dB 30W SMA	DOM5CIW3A1	0.5-18GHz	Calibration from System	Oct. 10, 2022	Calibration from System	CBP (DF02-HY)
Power Divider	Woken	3Way SMA Power Divder Rated to 20W	STI08-0010 (#2)	2GHz-8GHz	Calibration from System	Oct. 10, 2022	Calibration from System	CBP (DF02-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))	3.10 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.30 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.20 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.40 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.60 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu/Junyu Jhou	Temperature:	21~25	°C
Test Date:	2022/8/11~2022/11/22	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	16.38	16.38	19.90	19.50	320.00	Pass
11a	6Mbps	2	049	6195	16.38	16.38	19.30	19.25	320.00	Pass
11a	6Mbps	2	093	6415	16.43	16.38	20.10	19.35	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	1.90	2.40	5.17	0.30		5.47	24.00	Pass
11a	6Mbps	2	049	6195	2.50	3.10	5.82	0.30		6.12	24.00	Pass
11a	6Mbps	2	093	6415	1.50	3.60	5.69	0.30		5.99	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	001	5955			-4.77	3.31		-1.46	-1.00	Pass
11a	6Mbps	2	049	6195			-4.38	3.31		-1.07	-1.00	Pass
11a	6Mbps	2	093	6415			-4.47	3.31		-1.16	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 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	097	6435	16.43	16.38	20.10	19.75	320.00	Pass
11a	6Mbps	2	105	6475	16.38	16.38	20.10	19.80	320.00	Pass
11a	6Mbps	2	113	6515	16.43	16.38	19.45	19.35	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-6 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	097	6435	1.70	3.80	5.89	2.40		8.29	24.00	Pass
11a	6Mbps	2	105	6475	1.50	3.70	5.75	2.40		8.15	24.00	Pass
11a	6Mbps	2	113	6515	1.00	3.00	5.12	2.40		7.52	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	097	6435			-4.07	2.92		-1.15	-1.00	Pass
11a	6Mbps	2	105	6475			-4.18	2.92		-1.27	-1.00	Pass
11a	6Mbps	2	113	6515			-4.46	2.92		-1.54	-1.00	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	16.43	16.38	19.80	19.65	320.00	Pass
11a	6Mbps	2	149	6695	16.43	16.38	19.95	19.35	320.00	Pass
11a	6Mbps	2	181	6855	16.38	16.38	19.40	19.20	320.00	Pass

U-NII-7 straddle channel 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	185	6875	16.33	16.38	19.35	19.55	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	2.20	3.40	5.85	2.50		8.35	24.00	Pass
11a	6Mbps	2	149	6695	2.90	2.20	5.57	2.50		8.07	24.00	Pass
11a	6Mbps	2	181	6855	2.30	3.90	6.18	2.50		8.68	24.00	Pass

U-NII-7 straddle channel 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	185	6875	2.60	4.40	6.60	2.50		9.10	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	117	6535			-3.70	2.50		-1.20	-1.00	Pass
11a	6Mbps	2	149	6695			-4.17	2.50		-1.67	-1.00	Pass
11a	6Mbps	2	181	6855			-4.05	2.50		-1.55	-1.00	Pass

FCC U-NII-7 straddle channel MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	185	6875			-3.73	2.50		-1.23	-1.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 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	189	6895	16.33	16.38	19.45	19.35	320.00	Pass
11a	6Mbps	2	209	6995	16.33	16.28	18.85	19.10	320.00	Pass
11a	6Mbps	2	229	7095	16.33	16.38	19.55	19.30	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 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	189	6895	4.00	5.50	7.82	-0.30		7.52	24.00	Pass
11a	6Mbps	2	209	6995	4.30	5.10	7.73	-0.30		7.43	24.00	Pass
11a	6Mbps	2	229	7095	5.40	6.00	8.72	-0.30		8.42	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-8 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
11a	6Mbps	2	189	6895			-2.53	1.26		-1.28	-1.00	Pass
11a	6Mbps	2	209	6995			-2.61	1.26		-1.36	-1.00	Pass
11a	6Mbps	2	229	7095			-2.60	1.26		-1.34	-1.00	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	18.88	18.88	21.10	21.20	320.00	Pass
HE20	MCS0	2	049	6195	Full	18.88	18.88	21.00	21.30	320.00	Pass
HE20	MCS0	2	093	6415	Full	18.88	18.88	20.95	21.15	320.00	Pass
HE40	MCS0	2	003	5965	Full	37.86	37.86	40.14	39.96	320.00	Pass
HE40	MCS0	2	051	6205	Full	37.76	37.86	40.05	40.05	320.00	Pass
HE40	MCS0	2	091	6405	Full	37.86	37.86	40.05	40.14	320.00	Pass
HE80	MCS0	2	007	5985	Full	76.72	76.72	81.60	82.08	320.00	Pass
HE80	MCS0	2	055	6225	Full	76.72	76.84	82.08	82.24	320.00	Pass
HE80	MCS0	2	087	6385	Full	76.72	76.72	82.08	81.92	320.00	Pass

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	2.20	2.70	5.47	0.30		5.77	24.00	Pass
HE20	MCS0	2	001	5955	26/0	-6.20	-5.70	-2.93	0.30		-2.63	24.00	Pass
HE20	MCS0	2	001	5955	52/37	-3.80	-3.50	-0.64	0.30		-0.34	24.00	Pass
HE20	MCS0	2	001	5955	106/53	-0.70	-0.30	2.51	0.30		2.81	24.00	Pass
HE20	MCS0	2	049	6195	Full	3.10	3.00	6.06	0.30		6.36	24.00	Pass
HE20	MCS0	2	049	6195	26/4	-5.90	-5.00	-2.42	0.30		-2.12	24.00	Pass
HE20	MCS0	2	049	6195	52/38	-3.70	-3.00	-0.33	0.30		-0.03	24.00	Pass
HE20	MCS0	2	049	6195	106/53	-0.20	0.40	3.12	0.30		3.42	24.00	Pass
HE20	MCS0	2	093	6415	Full	1.40	3.50	5.59	0.30		5.89	24.00	Pass
HE20	MCS0	2	093	6415	26/8	-7.50	-5.60	-3.44	0.30		-3.14	24.00	Pass
HE20	MCS0	2	093	6415	52/40	-5.30	-3.00	-0.99	0.30		-0.69	24.00	Pass
HE20	MCS0	2	093	6415	106/54	-2.10	0.00	2.09	0.30		2.39	24.00	Pass
HE40	MCS0	2	003	5965	Full	5.70	5.40	8.56	0.30		8.86	24.00	Pass
HE40	MCS0	2	051	6205	Full	5.40	5.10	8.26	0.30		8.56	24.00	Pass
HE40	MCS0	2	091	6405	Full	5.40	5.60	8.51	0.30		8.81	24.00	Pass
HE80	MCS0	2	007	5985	Full	8.20	7.80	11.01	0.30		11.31	24.00	Pass
HE80	MCS0	2	055	6225	Full	7.10	8.40	10.81	0.30		11.11	24.00	Pass
HE80	MCS0	2	087	6385	Full	7.10	8.30	10.75	0.30		11.05	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-5 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	001	5955	Full			-4.80	3.31		-1.49	-1.00	Pass
HE20	MCS0	2	001	5955	26/0			-4.90	3.31		-1.58	-1.00	Pass
HE20	MCS0	2	001	5955	52/37			-5.00	3.31		-1.69	-1.00	Pass
HE20	MCS0	2	001	5955	106/53			-5.05	3.31		-1.74	-1.00	Pass
HE20	MCS0	2	049	6195	Full			-4.62	3.31		-1.30	-1.00	Pass
HE20	MCS0	2	049	6195	26/4			-5.08	3.31		-1.77	-1.00	Pass
HE20	MCS0	2	049	6195	52/38			-5.11	3.31		-1.80	-1.00	Pass
HE20	MCS0	2	049	6195	106/53			-4.92	3.31		-1.61	-1.00	Pass
HE20	MCS0	2	093	6415	Full			-4.96	3.31		-1.65	-1.00	Pass
HE20	MCS0	2	093	6415	26/8			-5.01	3.31		-1.70	-1.00	Pass
HE20	MCS0	2	093	6415	52/40			-5.51	3.31		-2.20	-1.00	Pass
HE20	MCS0	2	093	6415	106/54			-5.36	3.31		-2.05	-1.00	Pass
HE40	MCS0	2	003	5965	Full			-4.49	3.31		-1.18	-1.00	Pass
HE40	MCS0	2	051	6205	Full			-4.78	3.31		-1.47	-1.00	Pass
HE40	MCS0	2	091	6405	Full			-4.73	3.31		-1.42	-1.00	Pass
HE80	MCS0	2	007	5985	Full			-4.43	3.31		-1.12	-1.00	Pass
HE80	MCS0	2	055	6225	Full			-4.44	3.31		-1.13	-1.00	Pass
HE80	MCS0	2	087	6385	Full			-4.36	3.31		-1.05	-1.00	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-6 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	097	6435	Full	18.88	18.88	21.20	21.05	320.00	Pass
HE20	MCS0	2	105	6475	Full	18.93	18.88	20.95	21.30	320.00	Pass
HE20	MCS0	2	113	6515	Full	18.93	18.88	20.95	21.05	320.00	Pass
HE40	MCS0	2	099	6445	Full	37.86	37.86	40.05	40.14	320.00	Pass
HE40	MCS0	2	107	6485	Full	37.86	37.96	40.14	40.32	320.00	Pass
HE80	MCS0	2	103	6465	Full	76.72	76.72	82.72	82.24	320.00	Pass

U-NII-6 straddle channel 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		
HE40	MCS0	2	115	6525	Full	37.76	37.76	40.23	39.87	320.00	Pass
HE80	MCS0	2	119	6545	Full	76.72	76.72	82.08	82.40	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-6 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	097	6435	Full	2.50	4.10	6.38	2.40		8.78	24.00	Pass
HE20	MCS0	2	097	6435	26/0	-6.30	-4.50	-2.30	2.40		0.10	24.00	Pass
HE20	MCS0	2	097	6435	52/37	-4.00	-2.10	0.06	2.40		2.46	24.00	Pass
HE20	MCS0	2	097	6435	106/53	-0.60	1.40	3.52	2.40		5.92	24.00	Pass
HE20	MCS0	2	105	6475	Full	1.80	4.00	6.05	2.40		8.45	24.00	Pass
HE20	MCS0	2	105	6475	26/4	-6.30	-3.90	-1.93	2.40		0.47	24.00	Pass
HE20	MCS0	2	105	6475	52/38	-4.80	-2.30	-0.36	2.40		2.04	24.00	Pass
HE20	MCS0	2	105	6475	106/53	-1.50	0.90	2.87	2.40		5.27	24.00	Pass
HE20	MCS0	2	113	6515	Full	1.00	3.00	5.12	2.40		7.52	24.00	Pass
HE20	MCS0	2	113	6515	26/8	-9.00	-5.90	-4.17	2.40		-1.77	24.00	Pass
HE20	MCS0	2	113	6515	52/40	-6.00	-3.00	-1.24	2.40		1.16	24.00	Pass
HE20	MCS0	2	113	6515	106/54	-2.80	0.00	1.83	2.40		4.23	24.00	Pass
HE40	MCS0	2	099	6445	Full	5.10	6.20	8.70	2.40		11.10	24.00	Pass
HE40	MCS0	2	107	6485	Full	5.10	6.00	8.58	2.40		10.98	24.00	Pass
HE80	MCS0	2	103	6465	Full	7.50	8.50	11.04	2.40		13.44	24.00	Pass

U-NII-6 straddle channel 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		
HE40	MCS0	2	115	6525	Full	5.20	7.10	9.26	2.40		11.66	24.00	Pass
HE80	MCS0	2	119	6545	Full	7.20	9.00	11.20	2.40		13.60	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-6 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	097	6435	Full			-3.99	2.92		-1.07	-1.00	Pass
HE20	MCS0	2	097	6435	26/0			-4.13	2.92		-1.21	-1.00	Pass
HE20	MCS0	2	097	6435	52/37			-4.20	2.92		-1.28	-1.00	Pass
HE20	MCS0	2	097	6435	106/53			-4.07	2.92		-1.15	-1.00	Pass
HE20	MCS0	2	105	6475	Full			-4.29	2.92		-1.38	-1.00	Pass
HE20	MCS0	2	105	6475	26/4			-4.32	2.92		-1.40	-1.00	Pass
HE20	MCS0	2	105	6475	52/38			-4.86	2.92		-1.94	-1.00	Pass
HE20	MCS0	2	105	6475	106/53			-4.73	2.92		-1.82	-1.00	Pass
HE20	MCS0	2	113	6515	Full			-5.36	2.92		-2.44	-1.00	Pass
HE20	MCS0	2	113	6515	26/8			-5.59	2.92		-2.67	-1.00	Pass
HE20	MCS0	2	113	6515	52/40			-5.38	2.92		-2.46	-1.00	Pass
HE20	MCS0	2	113	6515	106/54			-5.43	2.92		-2.51	-1.00	Pass
HE40	MCS0	2	099	6445	Full			-4.28	2.92		-1.36	-1.00	Pass
HE40	MCS0	2	107	6485	Full			-4.37	2.92		-1.45	-1.00	Pass
HE80	MCS0	2	103	6465	Full			-3.97	2.92		-1.05	-1.00	Pass

U-NII-6 straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE40	MCS0	2	115	6525	Full			-4.27	2.92		-1.36	-1.00	Pass
HE80	MCS0	2	119	6545	Full			-3.97	2.92		-1.05	-1.00	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	18.93	18.88	21.10	20.95	320.00	Pass
HE20	MCS0	2	149	6695	Full	18.93	18.93	21.20	21.00	320.00	Pass
HE20	MCS0	2	181	6855	Full	18.88	18.88	21.00	20.90	320.00	Pass
HE40	MCS0	2	123	6565	Full	37.86	37.86	39.96	40.23	320.00	Pass
HE40	MCS0	2	147	6685	Full	37.76	37.86	40.05	40.23	320.00	Pass
HE40	MCS0	2	179	6845	Full	37.86	37.86	40.14	40.14	320.00	Pass
HE80	MCS0	2	135	6625	Full	76.84	76.96	81.92	82.08	320.00	Pass
HE80	MCS0	2	151	6705	Full	76.72	76.84	82.08	81.92	320.00	Pass
HE80	MCS0	2	167	6785	Full	76.84	76.72	81.60	82.08	320.00	Pass

U-NII-7 straddle channel 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	185	6875	Full	18.88	18.93	21.10	20.90	320.00	Pass
HE40	MCS0	2	187	6885	Full	37.86	37.86	40.23	39.96	320.00	Pass
HE80	MCS0	2	183	6865	Full	76.60	76.84	81.76	82.08	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	0.60	3.80	5.50	2.50		8.00	24.00	Pass
HE20	MCS0	2	117	6535	26/0	-8.30	-4.70	-3.13	2.50		-0.63	24.00	Pass
HE20	MCS0	2	117	6535	52/37	-6.00	-2.40	-0.83	2.50		1.67	24.00	Pass
HE20	MCS0	2	117	6535	106/53	-2.90	0.70	2.27	2.50		4.77	24.00	Pass
HE20	MCS0	2	149	6695	Full	2.00	3.40	5.77	2.50		8.27	24.00	Pass
HE20	MCS0	2	149	6695	26/4	-5.90	-4.50	-2.13	2.50		0.37	24.00	Pass
HE20	MCS0	2	149	6695	52/38	-4.10	-2.70	-0.33	2.50		2.17	24.00	Pass
HE20	MCS0	2	149	6695	106/53	-0.70	0.60	3.01	2.50		5.51	24.00	Pass
HE20	MCS0	2	181	6855	Full	2.50	3.80	6.21	2.50		8.71	24.00	Pass
HE20	MCS0	2	181	6855	26/8	-7.00	-4.90	-2.81	2.50		-0.31	24.00	Pass
HE20	MCS0	2	181	6855	52/40	-3.90	-2.30	-0.02	2.50		2.48	24.00	Pass
HE20	MCS0	2	181	6855	106/54	-0.80	0.60	2.97	2.50		5.47	24.00	Pass
HE40	MCS0	2	123	6565	Full	4.70	6.30	8.58	2.50		11.08	24.00	Pass
HE40	MCS0	2	147	6685	Full	5.70	4.90	8.33	2.50		10.83	24.00	Pass
HE40	MCS0	2	179	6845	Full	6.00	5.60	8.81	2.50		11.31	24.00	Pass
HE80	MCS0	2	135	6625	Full	7.00	8.00	10.54	2.50		13.04	24.00	Pass
HE80	MCS0	2	151	6705	Full	8.10	8.00	11.06	2.50		13.56	24.00	Pass
HE80	MCS0	2	167	6785	Full	7.90	8.20	11.06	2.50		13.56	24.00	Pass

U-NII-7 straddle channel 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	185	6875	Full	2.20	3.70	6.02	2.50		8.52	24.00	Pass
HE20	MCS0	2	185	6875	26/8	-7.30	-5.10	-3.05	2.50		-0.55	24.00	Pass
HE20	MCS0	2	185	6875	52/40	-4.20	-2.50	-0.26	2.50		2.24	24.00	Pass
HE20	MCS0	2	185	6875	106/54	-0.50	0.90	3.27	2.50		5.77	24.00	Pass
HE40	MCS0	2	187	6885	Full	4.70	5.80	8.30	2.50		10.80	24.00	Pass
HE80	MCS0	2	183	6865	Full	8.10	8.00	11.06	2.50		13.56	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

U-NII-7 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	117	6535	Full			-4.75	3.29		-1.46	-1.00	Pass
HE20	MCS0	2	117	6535	26/0			-4.79	3.29		-1.49	-1.00	Pass
HE20	MCS0	2	117	6535	52/37			-5.27	3.29		-1.98	-1.00	Pass
HE20	MCS0	2	117	6535	106/53			-5.09	3.29		-1.80	-1.00	Pass
HE20	MCS0	2	149	6695	Full			-4.60	3.29		-1.31	-1.00	Pass
HE20	MCS0	2	149	6695	26/4			-4.92	3.29		-1.63	-1.00	Pass
HE20	MCS0	2	149	6695	52/38			-5.08	3.29		-1.79	-1.00	Pass
HE20	MCS0	2	149	6695	106/53			-4.72	3.29		-1.43	-1.00	Pass
HE20	MCS0	2	181	6855	Full			-4.46	3.29		-1.17	-1.00	Pass
HE20	MCS0	2	181	6855	26/8			-4.89	3.29		-1.59	-1.00	Pass
HE20	MCS0	2	181	6855	52/40			-4.81	3.29		-1.52	-1.00	Pass
HE20	MCS0	2	181	6855	106/54			-5.00	3.29		-1.71	-1.00	Pass
HE40	MCS0	2	123	6565	Full			-4.55	3.29		-1.26	-1.00	Pass
HE40	MCS0	2	147	6685	Full			-4.75	3.29		-1.45	-1.00	Pass
HE40	MCS0	2	179	6845	Full			-4.53	3.29		-1.24	-1.00	Pass
HE80	MCS0	2	135	6625	Full			-4.42	3.29		-1.12	-1.00	Pass
HE80	MCS0	2	151	6705	Full			-4.37	3.29		-1.07	-1.00	Pass
HE80	MCS0	2	167	6785	Full			-4.45	3.29		-1.16	-1.00	Pass

U-NII-7 straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	185	6875	Full			-4.64	3.29		-1.34	-1.00	Pass
HE20	MCS0	2	185	6875	26/8			-5.03	3.29		-1.74	-1.00	Pass
HE20	MCS0	2	185	6875	52/40			-5.17	3.29		-1.88	-1.00	Pass
HE20	MCS0	2	185	6875	106/54			-4.77	3.29		-1.47	-1.00	Pass
HE40	MCS0	2	187	6885	Full			-5.15	3.29		-1.85	-1.00	Pass
HE80	MCS0	2	183	6865	Full			-4.36	3.29		-1.07	-1.00	Pass

TEST RESULTS DATA
26dB EBW and 99% OBW

U-NII-8 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	189	6895	Full	18.93	18.88	21.25	21.20	320.00	Pass
HE20	MCS0	2	209	6995	Full	18.88	18.88	21.10	20.95	320.00	Pass
HE20	MCS0	2	229	7095	Full	18.83	18.88	21.00	21.00	320.00	Pass
HE40	MCS0	2	195	6925	Full	37.86	37.76	39.78	40.14	320.00	Pass
HE40	MCS0	2	211	7005	Full	37.86	37.76	40.05	40.14	320.00	Pass
HE40	MCS0	2	227	7085	Full	37.76	37.86	40.14	40.32	320.00	Pass
HE80	MCS0	2	199	6945	Full	76.60	76.72	81.60	81.60	320.00	Pass
HE80	MCS0	2	215	7025	Full	76.72	76.72	81.44	81.92	320.00	Pass

TEST RESULTS DATA
EIRP Power Table

U-NII-8 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	189	6895	Full	4.30	5.80	8.12	-0.30		7.82	24.00	Pass
HE20	MCS0	2	189	6895	26/0	-3.90	-3.50	-0.69	-0.30		-0.99	24.00	Pass
HE20	MCS0	2	189	6895	52/37	-1.10	-0.40	2.27	-0.30		1.97	24.00	Pass
HE20	MCS0	2	189	6895	106/53	1.70	2.80	5.30	-0.30		5.00	24.00	Pass
HE20	MCS0	2	209	6995	Full	5.50	5.20	8.36	-0.30		8.06	24.00	Pass
HE20	MCS0	2	209	6995	26/4	-3.30	-2.50	0.13	-0.30		-0.17	24.00	Pass
HE20	MCS0	2	209	6995	52/38	-1.60	-0.10	2.22	-0.30		1.92	24.00	Pass
HE20	MCS0	2	209	6995	106/53	2.00	3.10	5.60	-0.30		5.30	24.00	Pass
HE20	MCS0	2	229	7095	Full	6.00	6.30	9.16	-0.30		8.86	24.00	Pass
HE20	MCS0	2	229	7095	26/8	-4.10	-2.40	-0.16	-0.30		-0.46	24.00	Pass
HE20	MCS0	2	229	7095	52/40	-0.90	0.90	3.10	-0.30		2.80	24.00	Pass
HE20	MCS0	2	229	7095	106/54	2.50	3.80	6.21	-0.30		5.91	24.00	Pass
HE40	MCS0	2	195	6925	Full	7.60	7.20	10.41	-0.30		10.11	24.00	Pass
HE40	MCS0	2	211	7005	Full	8.90	9.00	11.96	-0.30		11.66	24.00	Pass
HE40	MCS0	2	227	7085	Full	8.60	9.00	11.81	-0.30		11.51	24.00	Pass
HE80	MCS0	2	199	6945	Full	10.90	9.50	13.27	-0.30		12.97	24.00	Pass
HE80	MCS0	2	215	7025	Full	11.70	11.90	14.81	-0.30		14.51	24.00	Pass

TEST RESULTS DATA
EIRP Power Spectral Density

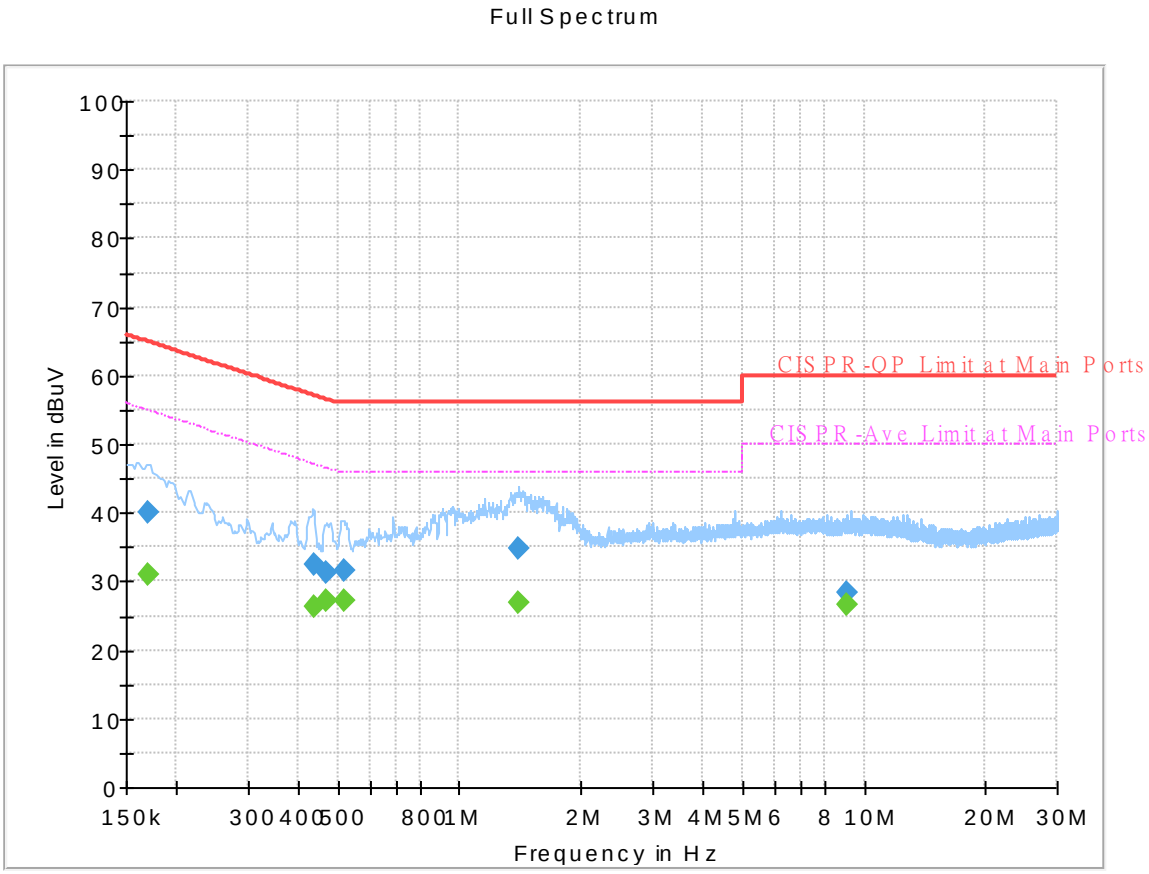
U-NII-8 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Conducted Power Density (dBm/MHz)			DG (dBi)		EIRP Power Density (dBm/MHz)	EIRP Power Density Limit (dBm/MHz)	Pass /Fail
						Ant 4	Ant 3	SUM	Ant 4	Ant 3	SUM		
HE20	MCS0	2	189	6895	Full			-2.56	1.26		-1.30	-1.00	Pass
HE20	MCS0	2	189	6895	26/0			-2.81	1.26		-1.55	-1.00	Pass
HE20	MCS0	2	189	6895	52/37			-2.73	1.26		-1.47	-1.00	Pass
HE20	MCS0	2	189	6895	106/53			-2.75	1.26		-1.50	-1.00	Pass
HE20	MCS0	2	209	6995	Full			-2.51	1.26		-1.25	-1.00	Pass
HE20	MCS0	2	209	6995	26/4			-2.69	1.26		-1.43	-1.00	Pass
HE20	MCS0	2	209	6995	52/38			-2.72	1.26		-1.46	-1.00	Pass
HE20	MCS0	2	209	6995	106/53			-2.51	1.26		-1.26	-1.00	Pass
HE20	MCS0	2	229	7095	Full			-2.60	1.26		-1.35	-1.00	Pass
HE20	MCS0	2	229	7095	26/8			-2.82	1.26		-1.56	-1.00	Pass
HE20	MCS0	2	229	7095	52/40			-2.78	1.26		-1.53	-1.00	Pass
HE20	MCS0	2	229	7095	106/54			-2.67	1.26		-1.41	-1.00	Pass
HE40	MCS0	2	195	6925	Full			-2.76	1.26		-1.50	-1.00	Pass
HE40	MCS0	2	211	7005	Full			-2.52	1.26		-1.26	-1.00	Pass
HE40	MCS0	2	227	7085	Full			-2.64	1.26		-1.39	-1.00	Pass
HE80	MCS0	2	199	6945	Full			-2.36	1.26		-1.10	-1.00	Pass
HE80	MCS0	2	215	7025	Full			-2.63	1.26		-1.37	-1.00	Pass

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO :	241215-02
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

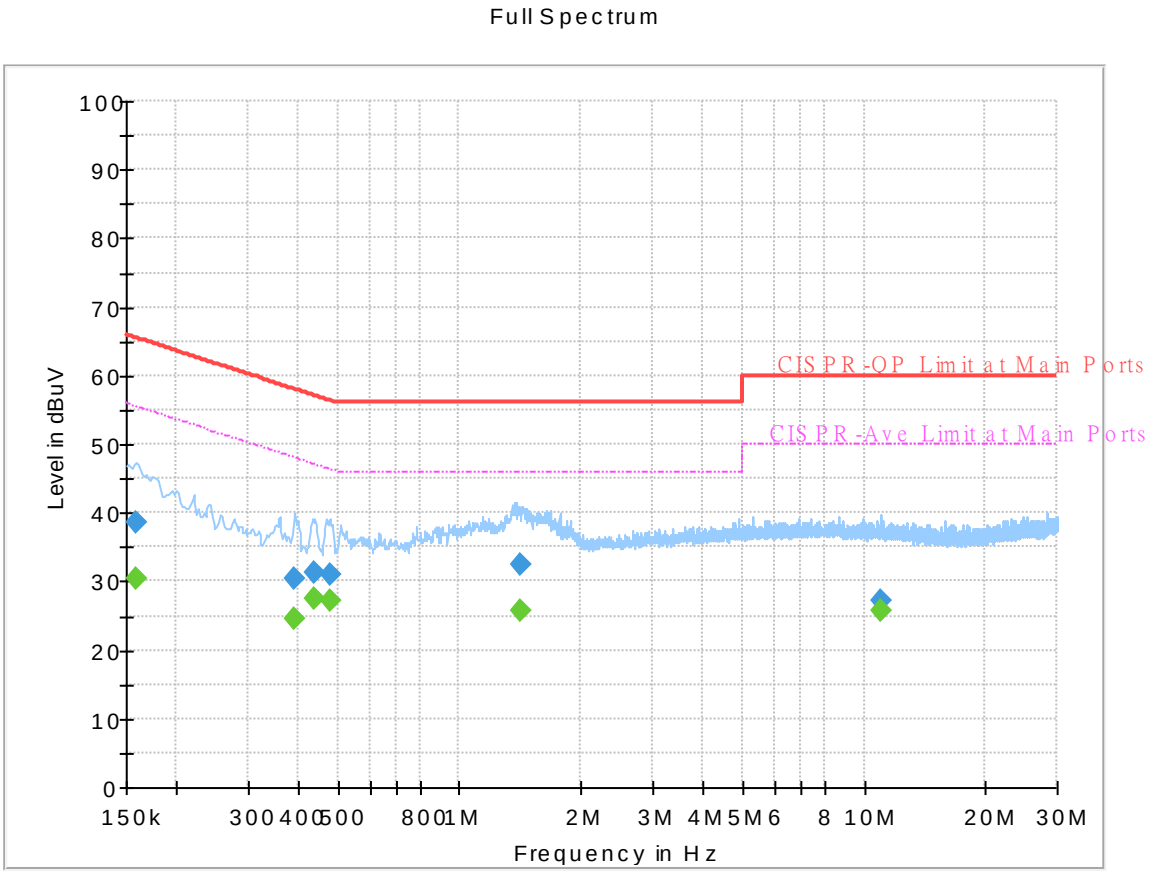


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.170250	---	30.87	54.95	24.08	L1	OFF	19.8
0.170250	40.05	---	64.95	24.90	L1	OFF	19.8
0.438000	---	26.34	47.10	20.76	L1	OFF	19.8
0.438000	32.36	---	57.10	24.74	L1	OFF	19.8
0.469500	---	27.33	46.52	19.19	L1	OFF	19.8
0.469500	31.25	---	56.52	25.27	L1	OFF	19.8
0.516750	---	27.29	46.00	18.71	L1	OFF	19.8
0.516750	31.53	---	56.00	24.47	L1	OFF	19.8
1.398750	---	27.04	46.00	18.96	L1	OFF	19.9
1.398750	34.85	---	56.00	21.15	L1	OFF	19.9
9.096000	---	26.53	50.00	23.47	L1	OFF	20.2
9.096000	28.37	---	60.00	31.63	L1	OFF	20.2

EUT Information

Report NO :	241215-02
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	30.33	55.52	25.19	N	OFF	19.8
0.159000	38.60	---	65.52	26.92	N	OFF	19.8
0.390750	---	24.59	48.05	23.46	N	OFF	19.8
0.390750	30.55	---	58.05	27.50	N	OFF	19.8
0.440250	---	27.57	47.06	19.49	N	OFF	19.8
0.440250	31.42	---	57.06	25.64	N	OFF	19.8
0.478500	---	27.15	46.37	19.22	N	OFF	19.8
0.478500	30.99	---	56.37	25.38	N	OFF	19.8
1.407750	---	25.83	46.00	20.17	N	OFF	19.9
1.407750	32.45	---	56.00	23.55	N	OFF	19.9
11.044500	---	25.59	50.00	24.41	N	OFF	20.3
11.044500	27.12	---	60.00	32.88	N	OFF	20.3

Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Li, Bigshow Wang and Quentin Liu	Temperature :	21.1~23.1°C
		Relative Humidity :	49~58%

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		5920.2	49.33	-38.87	88.2	42.05	34.22	9.77	36.71	299	42	P	H
		5903.4	38.02	-30.18	68.2	30.69	34.29	9.75	36.71	299	42	A	H
	*	5955	93.07	-	-	85.86	34.1	9.82	36.71	299	42	P	H
	*	5955	85.72	-	-	78.51	34.1	9.82	36.71	299	42	P	H
													H
													H
		5890.94	49.21	-38.99	88.2	41.91	34.28	9.73	36.71	149	343	P	V
		5905.64	38.08	-30.12	68.2	30.76	34.28	9.75	36.71	149	343	A	V
	*	5955	95.1	-	-	87.89	34.1	9.82	36.71	149	343	P	V
	*	5955	87.58	-	-	80.37	34.1	9.82	36.71	149	343	P	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 (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 HE20 Full CH 01 5955MHz		5877.36	49.09	-39.11	88.2	41.84	34.25	9.71	36.71	300	41	P	H
		5909.14	38.08	-30.12	68.2	30.77	34.26	9.76	36.71	300	41	A	H
	*	5955	93.28	-	-	86.07	34.1	9.82	36.71	300	41	P	H
	*	5955	85.38	-	-	78.17	34.1	9.82	36.71	300	41	P	H
													H
													H
		5846.98	48.55	-39.65	88.2	41.39	34.2	9.67	36.71	135	343	P	V
		5904.38	38.09	-30.11	68.2	30.77	34.28	9.75	36.71	135	343	A	V
	*	5955	93.91	-	-	86.7	34.1	9.82	36.71	135	343	P	V
	*	5955	87	-	-	79.79	34.1	9.82	36.71	135	343	P	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 (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 HE40 Full CH 03 5965MHz		5862.78	49.64	-38.56	88.2	42.43	34.23	9.69	36.71	298	42	P	H
		5906.34	38.45	-29.75	68.2	31.14	34.27	9.75	36.71	298	42	A	H
	*	5965	94.63	-	-	87.41	34.1	9.83	36.71	298	42	P	H
	*	5965	86.25	-	-	79.03	34.1	9.83	36.71	298	42	P	H
													H
													H
		5923.08	49.48	-38.72	88.2	42.2	34.21	9.78	36.71	127	346	P	V
		5915.52	38.46	-29.74	68.2	31.16	34.24	9.77	36.71	127	346	A	V
	*	5965	95.95	-	-	88.73	34.1	9.83	36.71	127	346	P	V
	*	5965	88.15	-	-	80.93	34.1	9.83	36.71	127	346	P	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 (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 HE80 Full CH 07 5985MHz		5896.2	50.34	-37.86	88.2	43.02	34.29	9.74	36.71	154	50	P	H
		5917.8	39.48	-28.72	68.2	32.19	34.23	9.77	36.71	154	50	A	H
	*	5985	98.15	-	-	90.9	34.1	9.86	36.71	154	50	P	H
	*	5985	87.73	-	-	80.48	34.1	9.86	36.71	154	50	P	H
													H
													H
		5914.76	52.18	-36.02	88.2	44.89	34.24	9.76	36.71	100	343	P	V
		5925	40.84	-27.36	68.2	33.57	34.2	9.78	36.71	100	343	A	V
	*	5985	97.13	-	-	89.88	34.1	9.86	36.71	100	343	P	V
	*	5985	89.39	-	-	82.14	34.1	9.86	36.71	100	343	P	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)
		11968	47.03	-26.97	74	51.56	39.14	13.81	57.48	-	-	P	H
		17955	54.82	-19.18	74	56.31	41.22	16.82	59.53	299	128	P	H
		17955	43.83	-10.17	54	45.32	41.22	16.82	59.53	299	128	A	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 07		11970	46.21	-27.79	74	50.73	39.14	13.82	57.48	-	-	P	V
5985MHz		17952	55.01	-18.99	74	56.53	41.21	16.81	59.54	192	88	P	V
		17955	43.72	-10.28	54	45.21	41.22	16.82	59.53	192	88	A	V
													V
													V
													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)
		12770	46.2	-42	88.2	49.37	39.57	14.35	57.09	-	-	P	H
		19155	35.62	-38.38	74	55.47	38.06	-2.77	55.14	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 87		12770	46.54	-41.66	88.2	49.71	39.57	14.35	57.09	-	-	P	V
6385MHz		19155	35.09	-38.91	74	54.94	38.06	-2.77	55.14	-	-	P	V
													V
													V
													V
													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.												

Band 6 - 6425~6525MHz

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)
802.11ax HE80 Full CH 103 6465MHz		12930	47.15	-41.05	88.2	49.93	39.87	14.46	57.11	-	-	P	H
		19395	35.9	-38.1	74	55.99	37.87	-2.92	55.04	-	-	P	H
													H
													H
													H
													H
		12930	46.23	-41.97	88.2	49.01	39.87	14.46	57.11	-	-	P	V
		19395	35.06	-38.94	74	55.15	37.87	-2.92	55.04	-	-	P	V
													V
													V
													V
													V
802.11ax HE80 Full CH 119 6545MHz		12930	47.15	-41.05	88.2	49.93	39.87	14.46	57.11	-	-	P	H
		19635	36.99	-37.01	74	57.16	37.75	-2.95	54.97	-	-	P	H
													H
													H
													H
													H
		12930	46.23	-41.97	88.2	49.01	39.87	14.46	57.11	-	-	P	V
		19635	37.58	-36.42	74	57.75	37.75	-2.95	54.97	-	-	P	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.												

Band 7 - 6525~6875MHz

WIFI 802.11 ax 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)
802.11ax HE80 Full CH 151 6705MHz		13410	47.09	-41.11	88.2	49.17	40.09	14.79	56.96	-	-	P	H
		20115	37.3	-36.7	74	57.7	37.64	-3.14	54.9	-	-	P	H
													H
													H
													H
													H
		13410	48.66	-39.54	88.2	50.74	40.09	14.79	56.96	-	-	P	V
		20115	38.38	-35.62	74	58.78	37.64	-3.14	54.9	-	-	P	V
													V
													V
													V
													V
802.11ax HE80 Full CH 183 6865MHz		13730	47.58	-40.62	88.2	49.52	39.97	15	56.91	-	-	P	H
		20595	37.71	-36.29	74	58.6	37.92	-3.93	54.88	-	-	P	H
													H
													H
													H
													H
		13730	48.53	-39.67	88.2	50.47	39.97	15	56.91	-	-	P	V
		20595	37.76	-36.24	74	58.65	37.92	-3.93	54.88	-	-	P	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.												

Band 8 - 6875~7125MHz

WIFI 802.11a (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)
802.11a CH 229 7095MHz	*	7095	91.81	-	-	81.72	36.28	10.52	36.71	380	38	P	H
	*	7095	86.05	-	-	75.96	36.28	10.52	36.71	380	38	P	H
		7235.72	52.34	-35.86	88.2	41.62	36.77	10.64	36.69	380	38	P	H
		7200.04	43.04	-25.16	68.2	32.44	36.7	10.6	36.7	380	38	A	H
													H
													H
	*	7095	95.45	-	-	85.36	36.28	10.52	36.71	196	360	P	V
	*	7095	90.84	-	-	80.75	36.28	10.52	36.71	196	360	P	V
		7185.32	52.35	-35.85	88.2	41.82	36.64	10.59	36.7	196	360	P	V
		7199.08	43.09	-25.11	68.2	32.49	36.7	10.6	36.7	196	360	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 8 - 6875~7125MHz

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)
802.11ax HE20 Full CH 229 7095MHz	*	7095	88.86	-	-	78.77	36.28	10.52	36.71	330	49	P	H
	*	7095	81.34	-	-	71.25	36.28	10.52	36.71	330	49	P	H
		7197.96	51.86	-36.34	88.2	41.27	36.69	10.6	36.7	330	49	P	H
		7198.44	43.02	-25.18	68.2	32.43	36.69	10.6	36.7	330	49	A	H
													H
													H
	*	7095	96.22	-	-	86.13	36.28	10.52	36.71	208	354	P	V
	*	7095	89.87	-	-	79.78	36.28	10.52	36.71	208	354	P	V
		7236.68	52.57	-35.63	88.2	41.85	36.77	10.64	36.69	208	354	P	V
		7199.08	43.04	-25.16	68.2	32.44	36.7	10.6	36.7	208	354	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 8 - 6875~7125MHz

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)
802.11ax HE40 Full CH 227 7085MHz	*	7085	94.99	-	-	84.95	36.24	10.51	36.71	349	44	P	H
	*	7085	86.4	-	-	76.36	36.24	10.51	36.71	349	44	P	H
		7159.14	52.9	-35.3	88.2	42.49	36.54	10.57	36.7	349	44	P	H
		7244.64	41.61	-26.59	68.2	30.86	36.79	10.65	36.69	349	44	A	H
													H
													H
	*	7085	100.18	-	-	90.14	36.24	10.51	36.71	187	360	P	V
	*	7085	92.32	-	-	82.28	36.24	10.51	36.71	187	360	P	V
		7180.92	52.45	-35.75	88.2	41.95	36.62	10.58	36.7	187	360	P	V
		7244.1	41.69	-26.51	68.2	30.94	36.79	10.65	36.69	187	360	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 8 - 6875~7125MHz

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)
		12930	47.15	-41.05	88.2	49.93	39.87	14.46	57.11	-	-	P	H
		21255	37.94	-36.06	74	57.95	37.61	-2.82	54.8	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 227		12930	46.23	-41.97	88.2	49.01	39.87	14.46	57.11	-	-	P	V
7085MHz		21255	38.3	-35.7	74	58.31	37.61	-2.82	54.8	-	-	P	V
													V
													V
													V
													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.												

Band 8 - 6875~7125MHz

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)
802.11ax HE80 Full CH 215 7025MHz	*	7025	101.12	-	-	91.43	35.95	10.46	36.72	399	305	P	H
	*	7025	93.01	-	-	83.32	35.95	10.46	36.72	399	305	P	H
		7126.7	53.39	-34.81	88.2	43.14	36.41	10.54	36.7	399	305	P	H
		7126.18	42.73	-25.47	68.2	32.49	36.4	10.54	36.7	399	305	A	H
													H
													H
	*	7025	102.14	-	-	92.45	35.95	10.46	36.72	177	359	P	V
	*	7025	94.18	-	-	84.49	35.95	10.46	36.72	177	359	P	V
		7228.1	53.49	-34.71	88.2	42.79	36.76	10.63	36.69	177	359	P	V
		7125	42.75	-25.45	68.2	32.52	36.4	10.54	36.71	177	359	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 8 - 6875~7125MHz

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)
		12930	47.15	-41.05	88.2	49.93	39.87	14.46	57.11	-	-	P	H
		20835	37.82	-36.18	74	58.22	37.87	-3.44	54.83	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 199		12930	46.23	-41.97	88.2	49.01	39.87	14.46	57.11	-	-	P	V
6945MHz		20835	38.69	-35.31	74	59.09	37.87	-3.44	54.83	-	-	P	V
													V
													V
													V
													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.												

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	31.59	-8.41	40	39.12	24.3	0.63	32.47	-	-	P	H
		94.99	27.77	-15.73	43.5	43.85	15.17	1.1	32.46	-	-	P	H
		398.6	22.01	-23.99	46	30.51	21.62	2.28	32.48	-	-	P	H
		598.42	26.84	-19.16	46	30.9	25.46	2.84	32.51	-	-	P	H
		715.79	36.05	-9.95	46	38.56	26.63	3.1	32.36	-	-	P	H
		896.21	38.77	-7.23	46	37.87	28.76	3.47	31.54	-	-	P	H
													H
		30.97	33.4	-6.6	40	41.2	24.01	0.67	32.48	-	-	P	V
		93.05	24.32	-19.18	43.5	40.72	14.86	1.2	32.46	-	-	P	V
		402.48	22.11	-23.89	46	30.5	21.72	2.37	32.48	-	-	P	V
		604.24	26.65	-19.35	46	30.79	25.37	3	32.51	-	-	P	V
		716.76	36.42	-9.58	46	38.89	26.67	3.22	32.36	-	-	P	V
		902.03	25.11	-20.89	46	24.09	28.83	3.69	31.5	228	331	Q	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 **over limit** 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 @ 2390MHz:

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)

= -18.55(dB)

For Average Limit @ 2390MHz:

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)

= -10.46(dB)

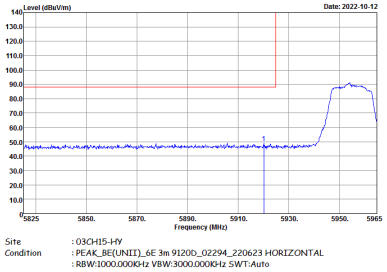
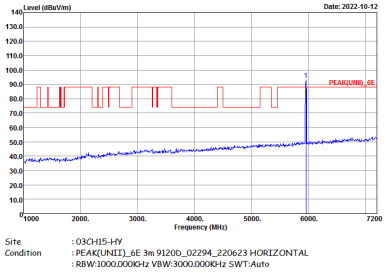
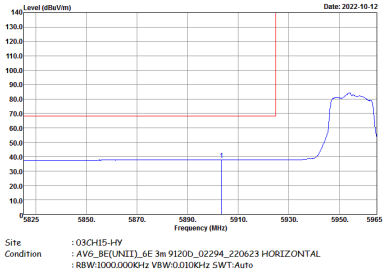
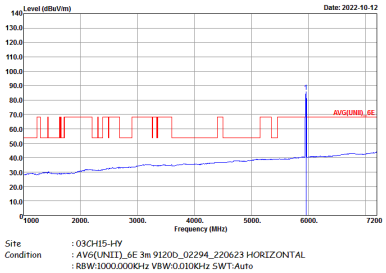
Both peak and average measured complies with the limit line, so test result is “PASS”.

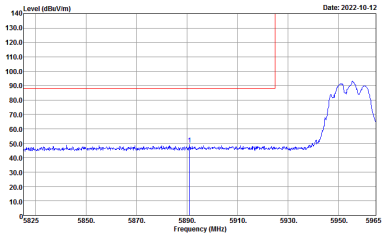
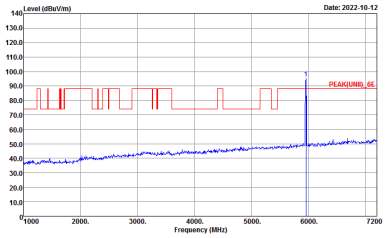
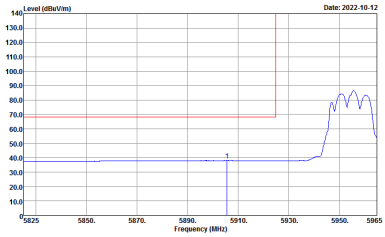
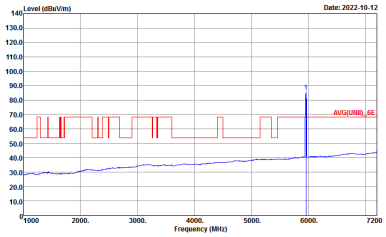
Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Leo Li, Bigshow Wang and Quentin Liu	Temperature :	21.1~23.1°C
		Relative Humidity :	49~58%

Band 5 - 5925~6425MHz

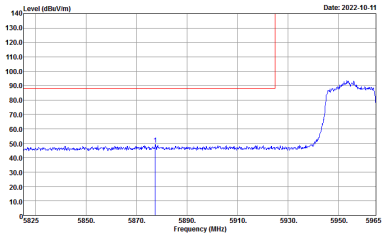
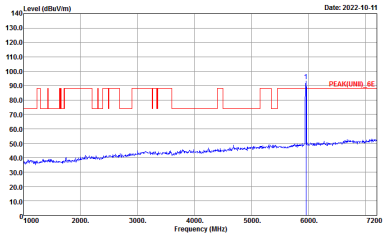
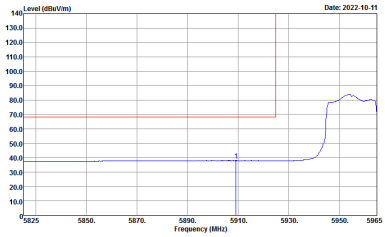
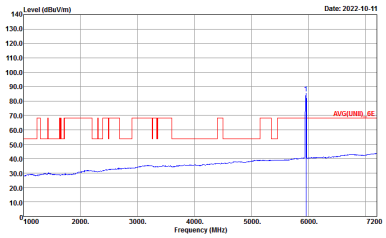
WIFI 802.11a (Band Edge @ 3m)

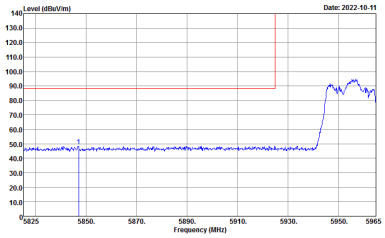
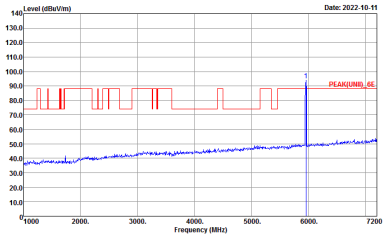
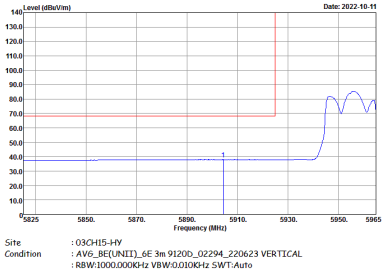
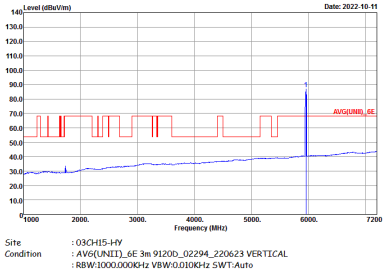
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11a CH01 5955MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNII)_6E 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII)_6E 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNII)_6E 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG(UNII)_6E 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

Band 5 5925~6425MHz

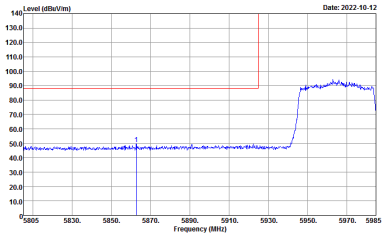
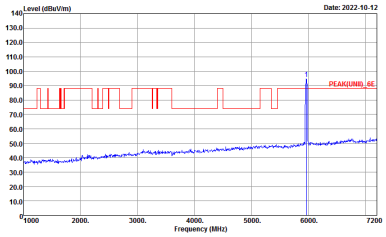
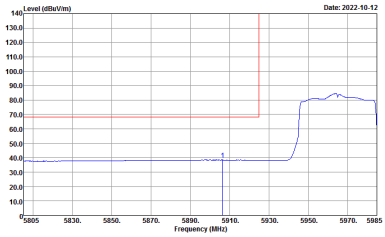
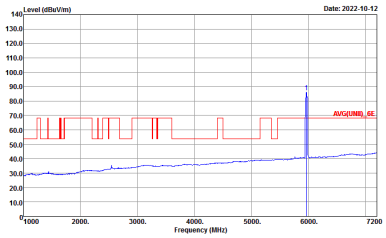
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

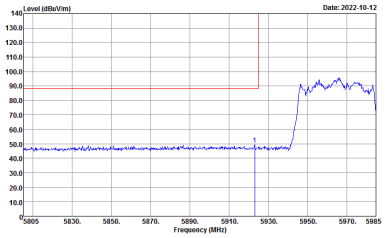
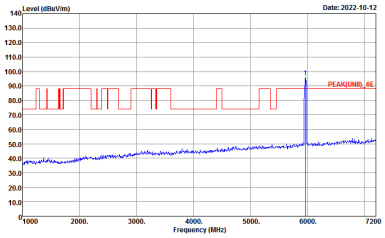
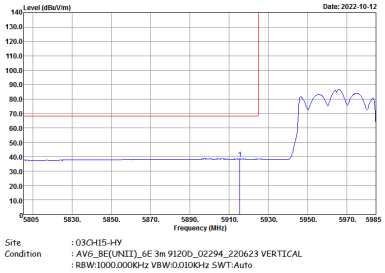
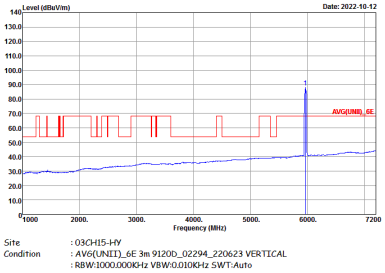
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH01 5955MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

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

Band 5 5925~6425MHz

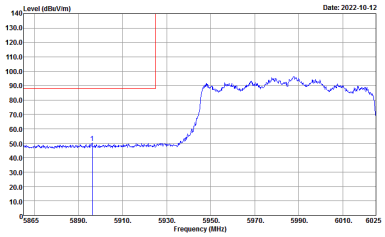
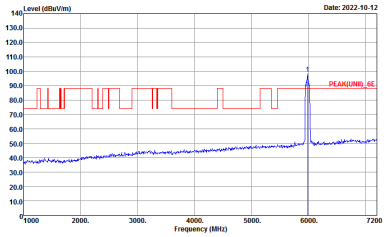
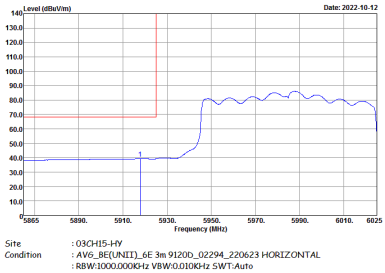
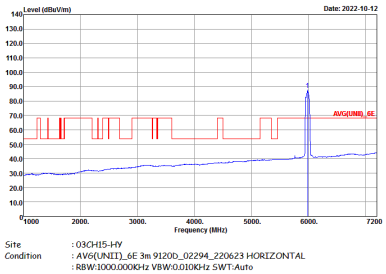
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

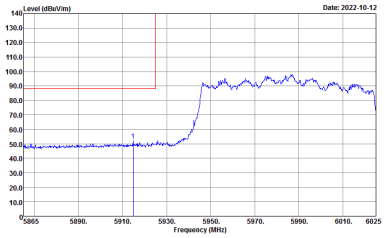
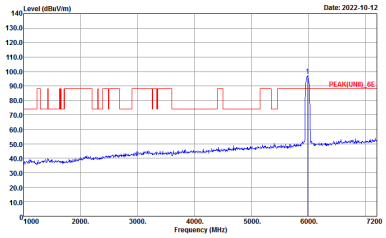
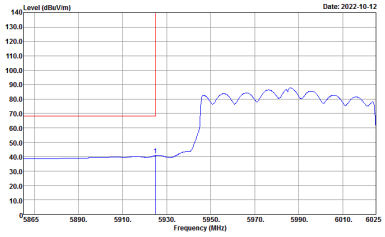
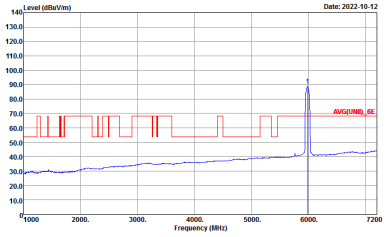
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH03 5965MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNII)_6E 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII)_6E 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNII)_6E 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG(UNII)_6E 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

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

Band 5 5925~6425MHz

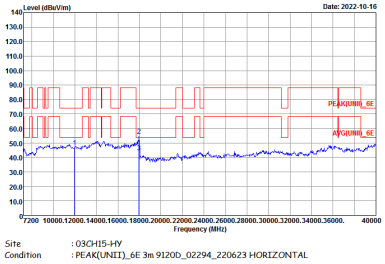
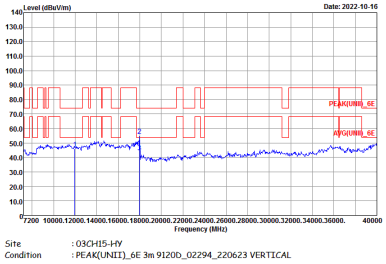
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

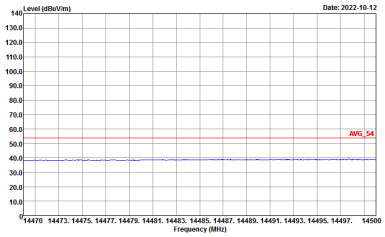
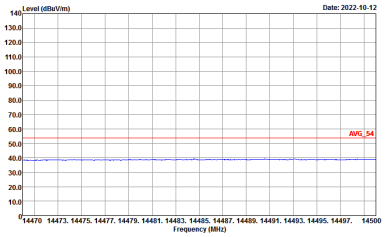
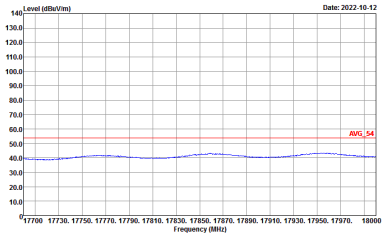
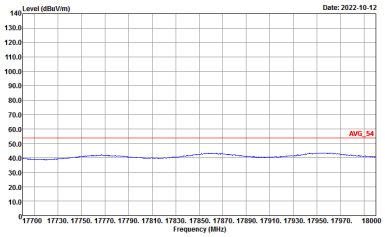
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

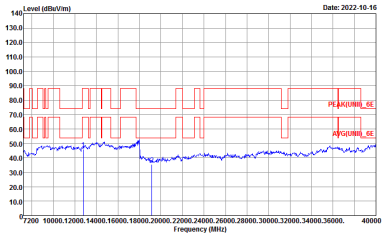
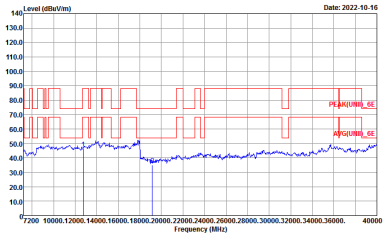
WIFI	Band 5 5925~6425MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

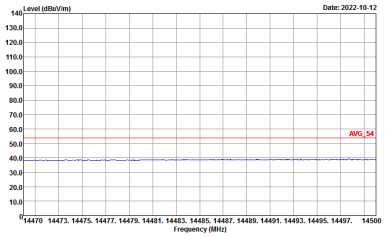
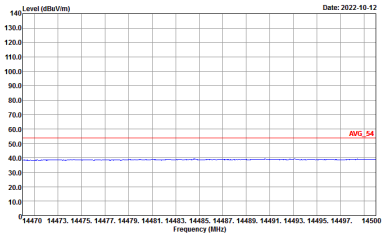
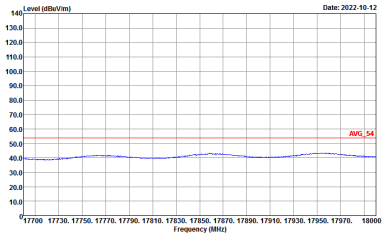
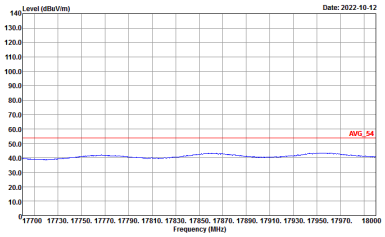
Band 5 - 5925~6425MHz

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.		

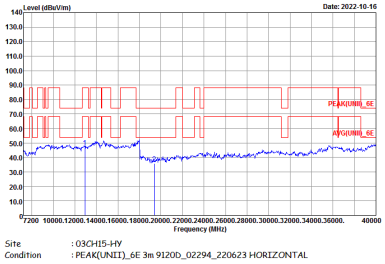
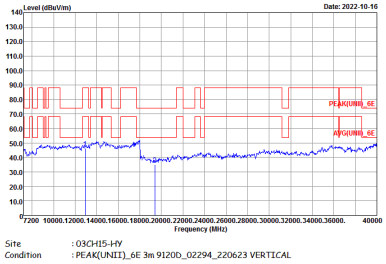
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH07 5985MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 VERTICAL
Peak Avg.	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 VERTICAL

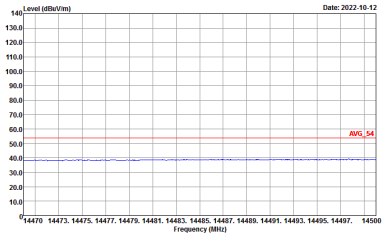
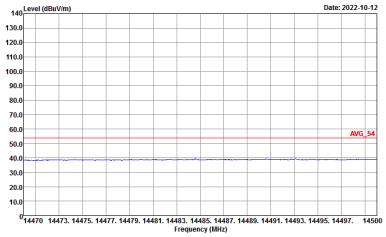
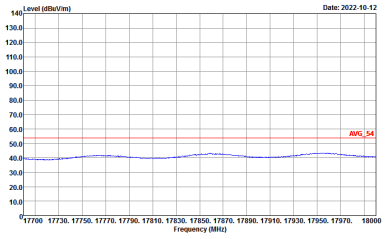
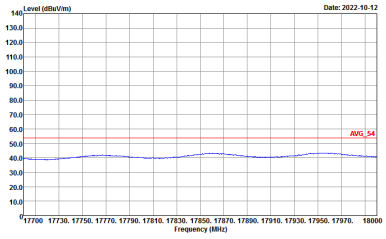
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH87 6385MHz	
4+3	Horizontal	Vertical
Peak Avg.		

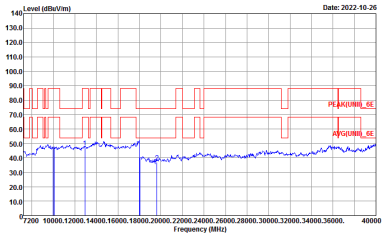
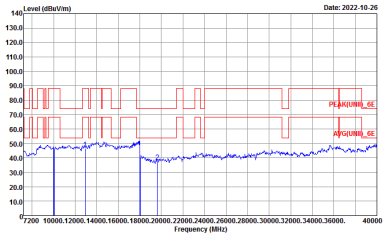
WIFI	Band 5 5925~6425MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH87 6385MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 VERTICAL
Peak Avg	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 VERTICAL

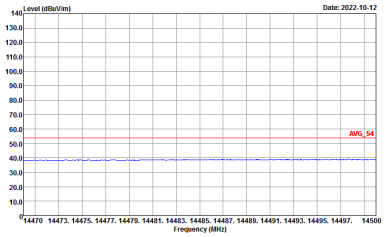
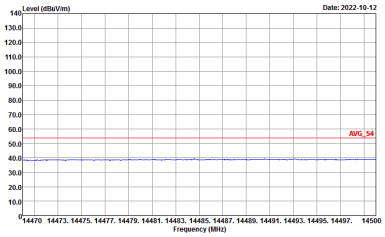
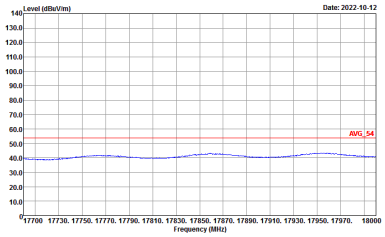
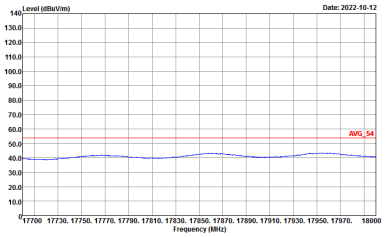
Band 6 - 6425~6525MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

WIFI	Band 6 6425~6525MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH103 6465MHz	
4+3	Horizontal	Vertical
Peak Avg.		

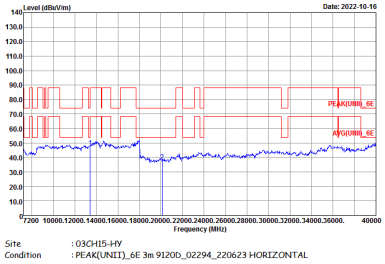
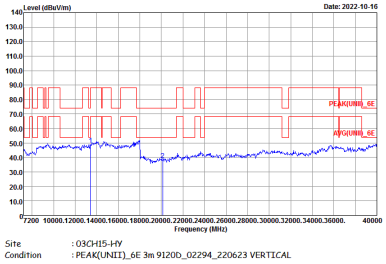
WIFI	Band 6 6425~6525MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH103 6465MHz	
4+3	Horizontal	Vertical
Peak Avg.		
Peak Avg.		

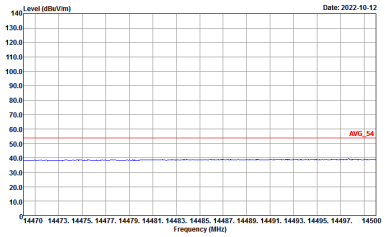
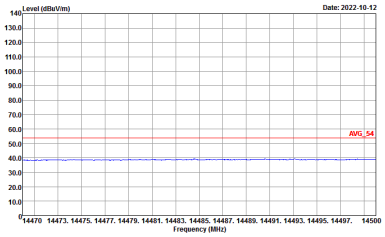
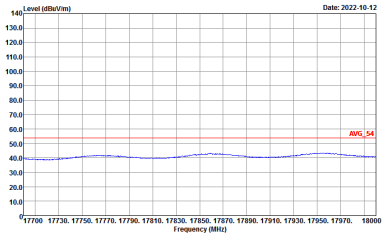
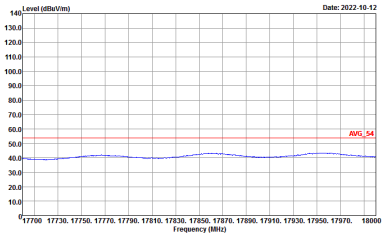
WIFI	Band 6 6425~6525MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH119 6545MHz	
4+3	Horizontal	Vertical
Peak Avg.		

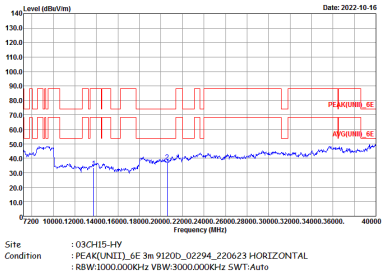
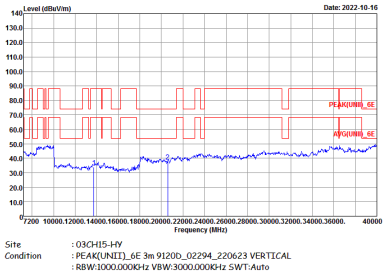
WIFI	Band 6 6425~6525MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH119 6545MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 VERTICAL
Peak Avg.	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 VERTICAL

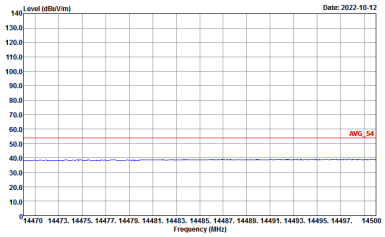
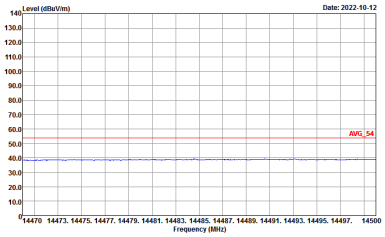
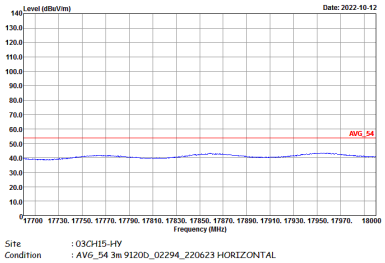
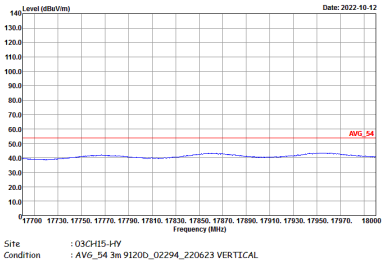
Band 7 - 6525~6875MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

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

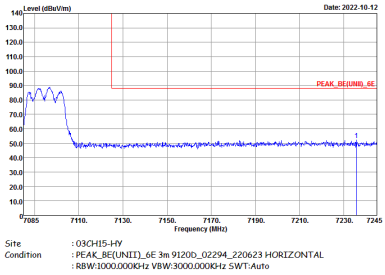
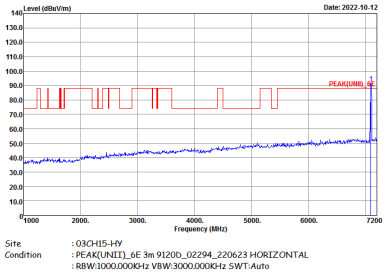
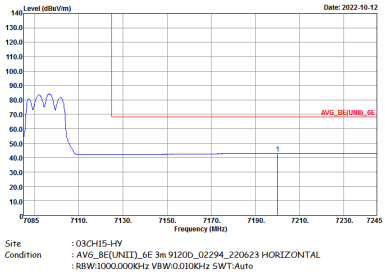
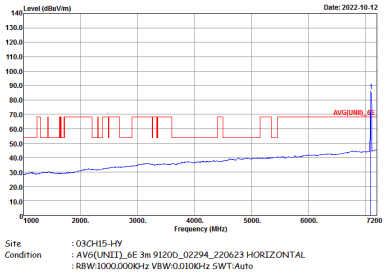
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH151 6705MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 VERTICAL
	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 HORIZONTAL	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 VERTICAL

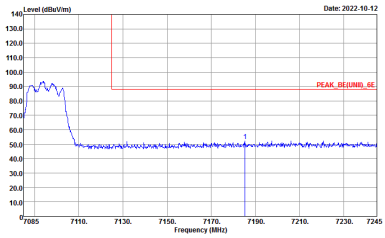
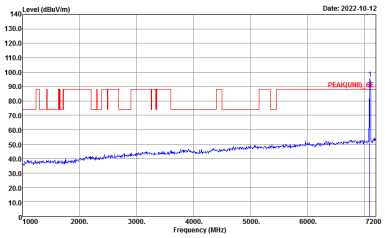
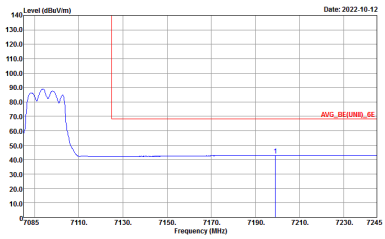
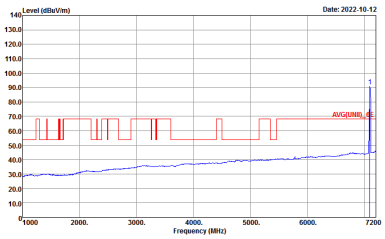
WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH183 6865MHz	
4+3	Horizontal	Vertical
Peak Avg.		

WIFI	Band 7 6525~6875MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH183 6865MHz	
4+3	Horizontal	Vertical
Peak Avg.		
Peak Avg.		

Band 8 - 6875~7125MHz

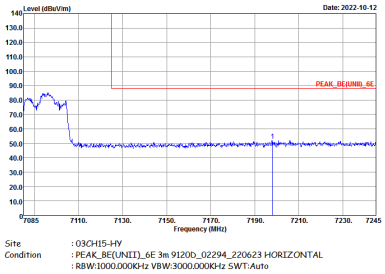
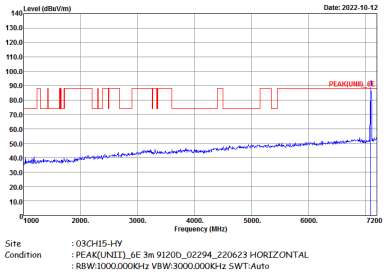
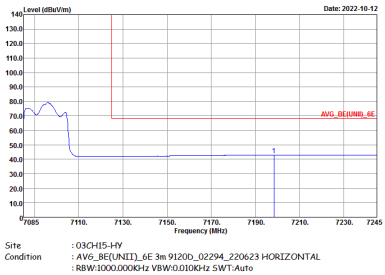
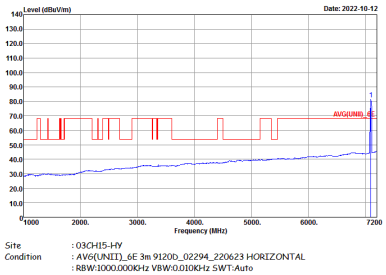
WIFI 802.11a (Band Edge @ 3m)

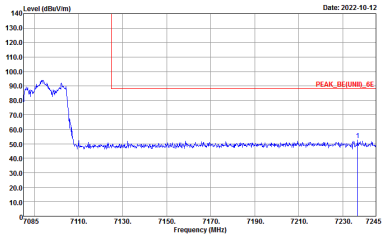
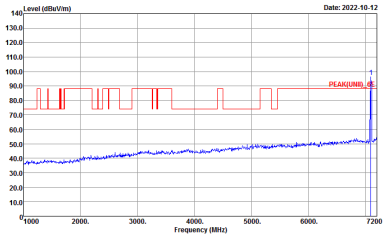
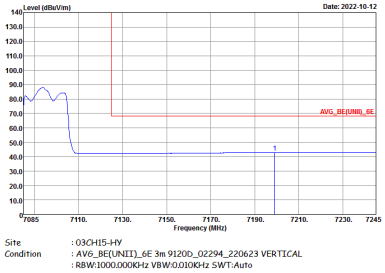
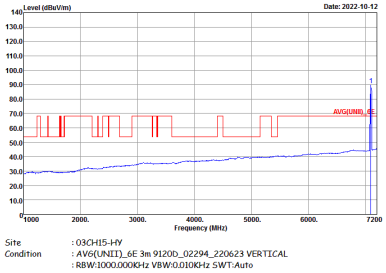
WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11a CH229 7095MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11a CH229 7095MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNII)_6E 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII)_6E 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNII)_6E 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG(UNII)_6E 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

Band 8 - 6875~7125MHz

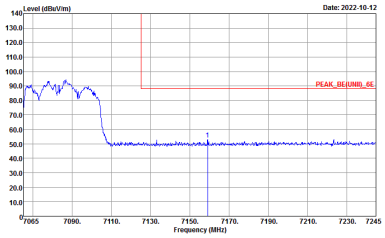
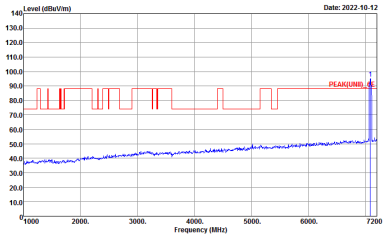
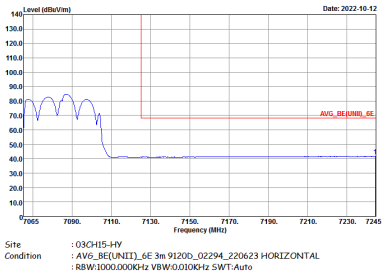
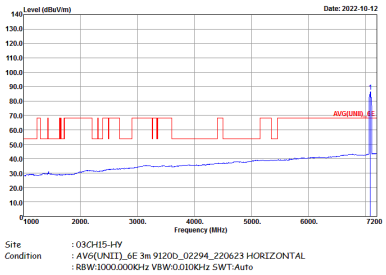
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

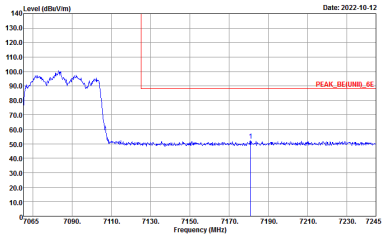
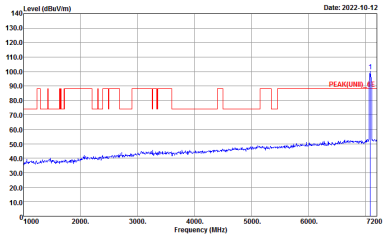
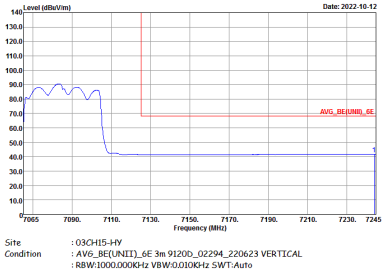
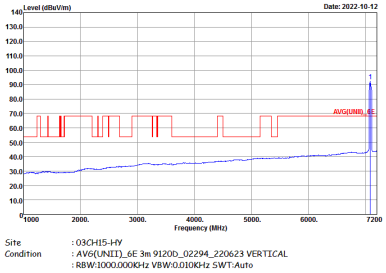
WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH229 7095MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH229 7095MHz	
4+3	Vertical	Fundamental
Peak		
Avg.		

Band 8 - 6875~7125MHz

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

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH227 7085MHz	
4+3	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 8 6875~7125MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH227 7085MHz	
4+3	Vertical	Fundamental
Peak		
Avg.