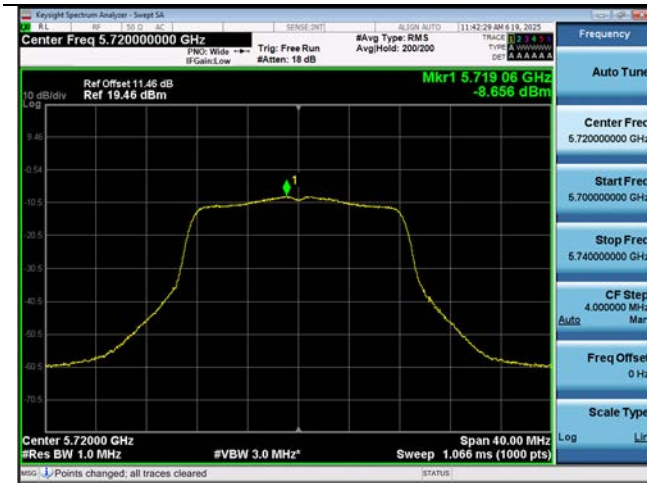


[MIMO_CDD(Ant2&Ant3)]

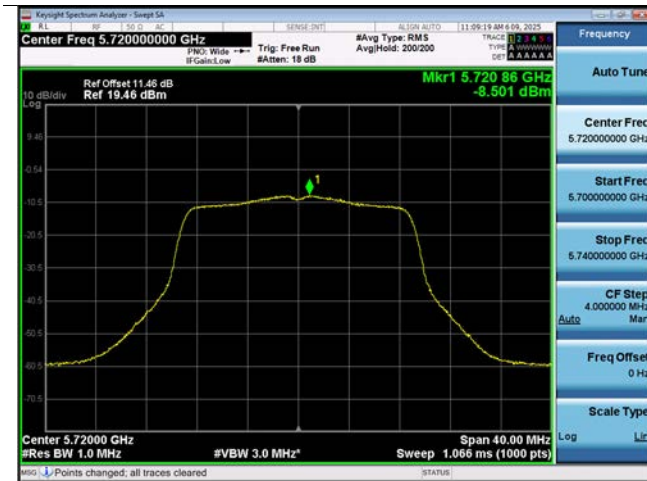
802.11a UNII 2C Band



802.11a UNII 3 Band



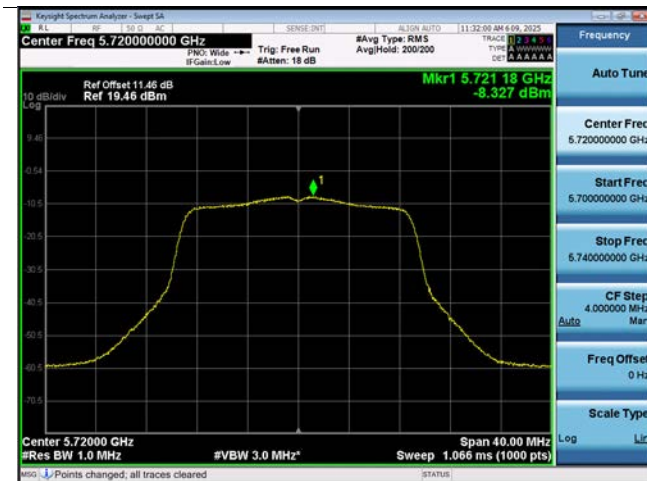
802.11n(HT20) UNII 2C Band



802.11n(HT20) UNII 3 Band



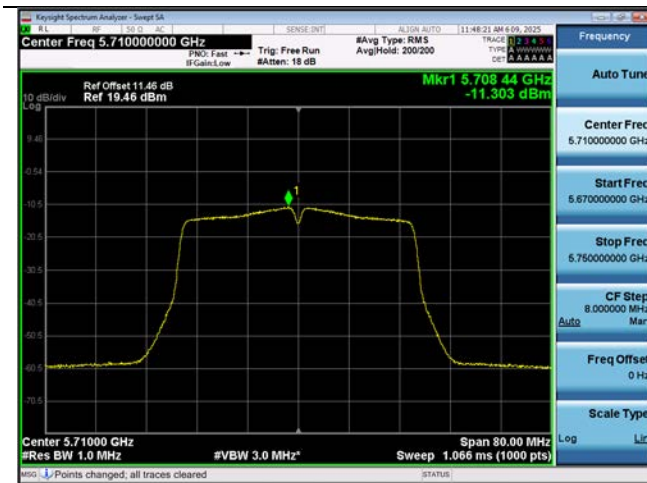
802.11ac(VHT20) UNII 2C Band



802.11ac(VHT20) UNII 3 Band



802.11n(HT40) UNII 2C Band



802.11n(HT40) UNII 3 Band



802.11ac(VHT40) UNII 2C Band



802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



10.8 RADIATED SPURIOUS EMISSIONS

Frequency Range : 9 kHz – 30 MHz

Frequency	Measured Value	CL+AF+DF-AG	ANT. POL	Total	Limit	Margin
[MHz]	[dB μ V]	[dB/m]	[H/V]	[dB μ V/m]	[dB μ V/m]	[dB]

No Critical peaks found

Note:

1. The Measured Value of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
2. Distance extrapolation factor = $40\log(\text{specific distance} / \text{test distance})$ (dB)
3. Limit line = specific Limits (dB μ V) + Distance extrapolation factor

Frequency Range : Below 1 GHz

Frequency	Measured Value	A.F+C.L	ANT. POL	Total	Limit	Margin
[MHz]	[dB μ V]	[dB/m]	[H/V]	[dB μ V/m]	[dB μ V/m]	[dB]

No Critical peaks found

Note:

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode

Frequency Range : Above 1 GHz

[MIMO_CDD(Ant1+Ant2)]

Band : UNII 1			Operation Mode : 802.11a				
CH.36 5180 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
10360	48.95	5.79	V	54.74	68.20	13.46	PK
15540	48.40	6.58	V	54.98	73.98	19.00	PK
15540	36.40	6.58	V	42.98	53.98	11.00	AV
10360	48.91	5.79	H	54.70	68.20	13.50	PK
15540	47.51	6.58	H	54.09	73.98	19.89	PK
15540	36.16	6.58	H	42.74	53.98	11.24	AV

Band : UNII 1			Operation Mode : 802.11a				
CH.40 5200 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
10400	48.83	5.60	V	54.43	68.20	13.77	PK
15600	47.70	6.35	V	54.05	73.98	19.93	PK
15600	35.81	6.35	V	42.16	53.98	11.82	AV
10400	48.66	5.60	H	54.26	68.20	13.94	PK
15600	46.66	6.35	H	53.01	73.98	20.97	PK
15600	35.79	6.35	H	42.14	53.98	11.84	AV

Band : UNII 1			Operation Mode : 802.11a				
CH.48 5240 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
10480	48.88	6.05	V	54.93	68.20	13.27	PK
15720	48.59	5.76	V	54.35	73.98	19.63	PK
15720	36.18	5.76	V	41.94	53.98	12.04	AV
10480	48.70	6.05	H	54.75	68.20	13.45	PK
15720	48.54	5.76	H	54.30	73.98	19.68	PK
15720	36.09	5.76	H	41.85	53.98	12.13	AV

Band : UNII 2A			Operation Mode : 802.11a				
CH.52 5260 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
10520	49.72	6.25	V	55.97	68.20	12.23	PK
15780	48.41	6.05	V	54.46	73.98	19.52	PK
15780	36.74	6.05	V	42.79	53.98	11.19	AV
10520	49.60	6.25	H	55.85	68.20	12.35	PK
15780	48.29	6.05	H	54.34	73.98	19.64	PK
15780	36.58	6.05	H	42.63	53.98	11.35	AV

Band : UNII 2A			Operation Mode : 802.11a				
CH.60 5300 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
10600	49.07	6.31	V	55.38	73.98	18.60	PK
10600	37.55	6.31	V	43.86	53.98	10.12	AV
15900	48.31	7.24	V	55.55	73.98	18.43	PK
15900	36.15	7.24	V	43.39	53.98	10.59	AV
10600	48.97	6.31	H	55.28	73.98	18.70	PK
10600	37.49	6.31	H	43.80	53.98	10.18	AV
15900	48.09	7.24	H	55.33	73.98	18.65	PK
15900	36.10	7.24	H	43.34	53.98	10.64	AV

Band : UNII 2A			Operation Mode : 802.11a				
CH.64 5320 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
10640	50.06	5.89	V	55.95	73.98	18.03	PK
10640	37.50	5.89	V	43.39	53.98	10.59	AV
15960	47.85	6.54	V	54.39	73.98	19.59	PK
15960	35.77	6.54	V	42.31	53.98	11.67	AV
10640	49.58	5.89	H	55.47	73.98	18.51	PK
10640	37.29	5.89	H	43.18	53.98	10.80	AV
15960	47.55	6.54	H	54.09	73.98	19.89	PK
15960	35.48	6.54	H	42.02	53.98	11.96	AV

Band : UNII 2C			Operation Mode : 802.11a				
CH.100 5500 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11000	47.95	6.36	V	54.31	73.98	19.67	PK
11000	36.67	6.36	V	43.03	53.98	10.95	AV
16500	47.11	8.54	V	55.65	68.20	12.55	PK
11000	47.85	6.36	H	54.21	73.98	19.77	PK
11000	36.51	6.36	H	42.87	53.98	11.11	AV
16500	46.96	8.54	H	55.50	68.20	12.70	PK

Band : UNII 2C			Operation Mode : 802.11a				
CH.116 5580 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11160	48.97	5.70	V	54.67	73.98	19.31	PK
11160	37.09	5.70	V	42.79	53.98	11.19	AV
16740	47.07	9.99	V	57.06	68.20	11.14	PK
11160	48.73	5.70	H	54.43	73.98	19.55	PK
11160	36.87	5.70	H	42.57	53.98	11.41	AV
16740	46.85	9.99	H	56.84	68.20	11.36	PK

Band : UNII 2C			Operation Mode : 802.11a				
CH.144 5720 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11440	48.53	5.92	V	54.45	73.98	19.53	PK
11440	37.72	5.92	V	43.64	53.98	10.34	AV
17160	47.66	9.69	V	57.35	68.20	10.85	PK
11440	48.26	5.92	H	54.18	73.98	19.80	PK
11440	37.59	5.92	H	43.51	53.98	10.47	AV
17160	47.59	9.69	H	57.28	68.20	10.92	PK

Band : UNII 3			Operation Mode : 802.11a				
CH.149 5745 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11490	48.16	5.88	V	54.04	73.98	19.94	PK
11490	36.65	5.88	V	42.53	53.98	11.45	AV
17235	46.96	10.22	V	57.18	68.20	11.02	PK
11490	48.06	5.88	H	53.94	73.98	20.04	PK
11490	36.28	5.88	H	42.16	53.98	11.82	AV
17235	46.29	10.22	H	56.51	68.20	11.69	PK

Band : UNII 3			Operation Mode : 802.11a				
CH.157 5785 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11570	48.78	6.03	V	54.81	73.98	19.17	PK
11570	37.08	6.03	V	43.11	53.98	10.87	AV
17355	46.71	11.36	V	58.07	68.20	10.13	PK
11570	48.74	6.03	H	54.77	73.98	19.21	PK
11570	36.87	6.03	H	42.90	53.98	11.08	AV
17355	46.54	11.36	H	57.90	68.20	10.30	PK

Band : UNII 3			Operation Mode : 802.11a				
CH.165 5825 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11650	48.91	5.42	V	54.33	73.98	19.65	PK
11650	38.67	5.42	V	44.09	53.98	9.89	AV
17475	47.85	11.65	V	59.50	68.20	8.70	PK
11650	48.75	5.42	H	54.17	73.98	19.81	PK
11650	38.59	5.42	H	44.01	53.98	9.97	AV
17475	47.50	11.65	H	59.15	68.20	9.05	PK

[MIMO_CDD(Ant1+Ant3)]

Band : UNII 1			Operation Mode : 802.11a				
CH.36 5180 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
10360	48.48	5.79	V	54.27	68.20	13.93	PK
15540	47.88	6.58	V	54.46	73.98	19.52	PK
15540	36.19	6.58	V	42.77	53.98	11.21	AV
10360	48.41	5.79	H	54.20	68.20	14.00	PK
15540	47.48	6.58	H	54.06	73.98	19.92	PK
15540	36.05	6.58	H	42.63	53.98	11.35	AV

Band : UNII 1			Operation Mode : 802.11a				
CH.40 5200 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
10400	48.67	5.60	V	54.27	68.20	13.93	PK
15600	47.15	6.35	V	53.50	73.98	20.48	PK
15600	35.32	6.35	V	41.67	53.98	12.31	AV
10400	48.52	5.60	H	54.12	68.20	14.08	PK
15600	46.57	6.35	H	52.92	73.98	21.06	PK
15600	35.20	6.35	H	41.55	53.98	12.43	AV

Band : UNII 1			Operation Mode : 802.11a				
CH.48 5240 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
10480	48.39	6.05	V	54.44	68.20	13.76	PK
15720	47.38	5.76	V	53.14	73.98	20.84	PK
15720	36.01	5.76	V	41.77	53.98	12.21	AV
10480	48.22	6.05	H	54.27	68.20	13.93	PK
15720	47.08	5.76	H	52.84	73.98	21.14	PK
15720	35.71	5.76	H	41.47	53.98	12.51	AV

Band : UNII 2A			Operation Mode : 802.11a				
CH.52 5260 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
10520	48.53	6.25	V	54.78	68.20	13.42	PK
15780	47.77	6.05	V	53.82	73.98	20.16	PK
15780	36.39	6.05	V	42.44	53.98	11.54	AV
10520	48.46	6.25	H	54.71	68.20	13.49	PK
15780	47.69	6.05	H	53.74	73.98	20.24	PK
15780	36.22	6.05	H	42.27	53.98	11.71	AV

Band : UNII 2A			Operation Mode : 802.11a				
CH.60 5300 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
10600	48.40	6.31	V	54.71	73.98	19.27	PK
10600	37.17	6.31	V	43.48	53.98	10.50	AV
15900	47.89	7.24	V	55.13	73.98	18.85	PK
15900	35.96	7.24	V	43.20	53.98	10.78	AV
10600	48.18	6.31	H	54.49	73.98	19.49	PK
10600	36.99	6.31	H	43.30	53.98	10.68	AV
15900	47.72	7.24	H	54.96	73.98	19.02	PK
15900	35.88	7.24	H	43.12	53.98	10.86	AV

Band : UNII 2A			Operation Mode : 802.11a				
CH.64 5320 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
10640	48.92	5.89	V	54.81	73.98	19.17	PK
10640	37.34	5.89	V	43.23	53.98	10.75	AV
15960	47.61	6.54	V	54.15	73.98	19.83	PK
15960	35.73	6.54	V	42.27	53.98	11.71	AV
10640	48.63	5.89	H	54.52	73.98	19.46	PK
10640	37.26	5.89	H	43.15	53.98	10.83	AV
15960	47.33	6.54	H	53.87	73.98	20.11	PK
15960	35.40	6.54	H	41.94	53.98	12.04	AV

Band : UNII 2C			Operation Mode : 802.11a				
CH.100 5500 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11000	47.83	6.36	V	54.19	73.98	19.79	PK
11000	36.42	6.36	V	42.78	53.98	11.20	AV
16500	46.95	8.54	V	55.49	68.20	12.71	PK
11000	47.59	6.36	H	53.95	73.98	20.03	PK
11000	36.08	6.36	H	42.44	53.98	11.54	AV
16500	46.65	8.54	H	55.19	68.20	13.01	PK

Band : UNII 2C			Operation Mode : 802.11a				
CH.116 5580 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11160	48.66	5.70	V	54.36	73.98	19.62	PK
11160	36.86	5.70	V	42.56	53.98	11.42	AV
16740	46.40	9.99	V	56.39	68.20	11.81	PK
11160	48.39	5.70	H	54.09	73.98	19.89	PK
11160	36.51	5.70	H	42.21	53.98	11.77	AV
16740	46.27	9.99	H	56.26	68.20	11.94	PK

Band : UNII 2C			Operation Mode : 802.11a				
CH.144 5720 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11440	48.40	5.92	V	54.32	73.98	19.66	PK
11440	36.69	5.92	V	42.61	53.98	11.37	AV
17160	47.32	9.69	V	57.01	68.20	11.19	PK
11440	48.19	5.92	H	54.11	73.98	19.87	PK
11440	36.39	5.92	H	42.31	53.98	11.67	AV
17160	47.24	9.69	H	56.93	68.20	11.27	PK

Band : UNII 3			Operation Mode : 802.11a				
CH.149 5745 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11490	48.13	5.88	V	54.01	73.98	19.97	PK
11490	36.57	5.88	V	42.45	53.98	11.53	AV
17235	46.63	10.22	V	56.85	68.20	11.35	PK
11490	47.78	5.88	H	53.66	73.98	20.32	PK
11490	36.17	5.88	H	42.05	53.98	11.93	AV
17235	46.10	10.22	H	56.32	68.20	11.88	PK

Band : UNII 3			Operation Mode : 802.11a				
CH.157 5785 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11570	48.26	6.03	V	54.29	73.98	19.69	PK
11570	36.99	6.03	V	43.02	53.98	10.96	AV
17355	46.34	11.36	V	57.70	68.20	10.50	PK
11570	47.95	6.03	H	53.98	73.98	20.00	PK
11570	36.76	6.03	H	42.79	53.98	11.19	AV
17355	46.17	11.36	H	57.53	68.20	10.67	PK

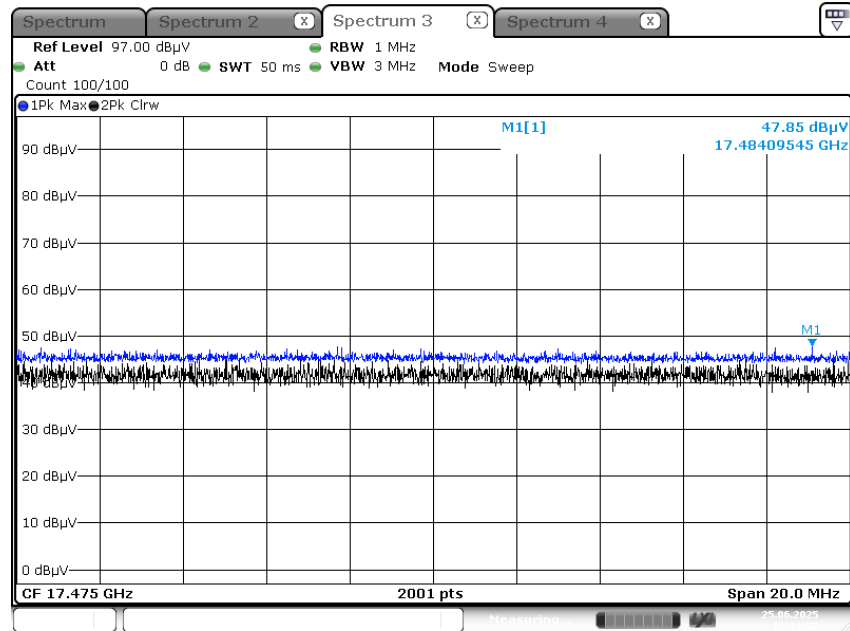
Band : UNII 3			Operation Mode : 802.11a				
CH.165 5825 MHz			Transfer Rate : 6 Mbps				
Frequency [MHz]	Measured value [dBμV]	CL+AF+DF-AG [dB/m]	ANT. POL [H/V]	Total [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Measurement Type
11650	48.62	5.42	V	54.04	73.98	19.94	PK
11650	38.57	5.42	V	43.99	53.98	9.99	AV
17475	47.59	11.65	V	59.24	68.20	8.96	PK
11650	48.58	5.42	H	54.00	73.98	19.98	PK
11650	34.48	5.42	H	39.90	53.98	14.08	AV
17475	47.37	11.65	H	59.02	68.20	9.18	PK

Test Plots

Note: Only the worst case plots for Radiated Spurious Emissions.

[MIMO_CDD(Ant1+Ant2)]

Radiated Spurious Emissions plot – Peak Result (802.11a, Ch.165 Spurious Emissions, X-V)



Date: 25.JUN.2025 10:18:58

10.9 RADIATED RESTRICTED BAND EDGE

Note: # Integration method Used (KDB 789033 D02 v02r01 Section 3) d) (ii)

[MIMO_CDD(Ant1+Ant2)]

802.11 a		6 Mbps					
Channel	Ch.36	5180 MHz	UNII 1				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5150	55.63	-	V	55.63	73.98	18.35	PK
5150	45.46	-	V	45.46	53.98	8.52	AV

802.11 a		6 Mbps					
Channel	Ch. 64	5320 MHz	UNII 2A				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5350	55.93	-	V	55.93	73.98	18.05	PK
5350	45.22	-	V	45.22	53.98	8.76	AV

802.11 a		6 Mbps					
Channel	Ch. 100	5500 MHz	UNII 2C				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5460	56.75	-	V	56.75	73.98	17.23	PK
5460	45.75	-	V	45.75	53.98	8.23	AV
5470	56.70	-	V	56.70	68.20	11.50	PK

802.11 n_HT20		MCS 0					
Channel	Ch. 36	5180 MHz	UNII 1				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5150	55.59	-	V	55.59	73.98	18.39	PK
5150	45.42	-	V	45.42	53.98	8.56	AV

802.11 n_HT20		MCS 0					
Channel	Ch. 64	5320 MHz	UNII 2A				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5350	57.10	-	V	57.10	73.98	16.88	PK
5350	45.21	-	V	45.21	53.98	8.77	AV

802.11 n_HT20		MCS 0					
Channel	Ch. 100	5500 MHz	UNII 2C				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5460	56.74	-	V	56.74	73.98	17.24	PK
5460	45.90	-	V	45.90	53.98	8.08	AV
5470	56.05	-	V	56.05	68.20	12.15	PK

802.11 ac_VHT20		MCS 0					
Channel	Ch. 36	5180 MHz	UNII 1				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5150	56.10	-	V	56.10	73.98	17.88	PK
5150	44.98	-	V	44.98	53.98	9.00	AV

802.11 ac_VHT20		MCS 0					
Channel	Ch. 64	5320 MHz	UNII 2A				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5350	56.03	-	V	56.03	73.98	17.95	PK
5350	44.99	-	V	44.99	53.98	8.99	AV

802.11 ac_VHT20		MCS 0					
Channel	Ch. 100	5500 MHz	UNII 2C				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5460	56.39	-	V	56.39	73.98	17.59	PK
5460	45.19	-	V	45.19	53.98	8.79	AV
5470	55.82	-	V	55.82	68.20	12.38	PK

802.11 n_HT40		MCS 0					
Channel	Ch. 38	5190 MHz	UNII 1				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5150	56.04	-	V	56.04	73.98	17.94	PK
5150	45.31	-	V	45.31	53.98	8.67	AV

802.11 n_HT40		MCS 0					
Channel	Ch. 62	5310 MHz	UNII 2A				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5350	56.30	-	V	56.30	73.98	17.68	PK
5350	45.59	-	V	45.59	53.98	8.39	AV

802.11 n_HT40		MCS 0					
Channel	Ch. 102	5510 MHz	UNII 2C				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5460	56.70	-	V	56.70	73.98	17.28	PK
5460	45.64	-	V	45.64	53.98	8.34	AV
5470	55.99	-	V	55.99	68.20	12.21	PK

802.11 ac_VHT40		MCS 0					
Channel	Ch. 38	5190 MHz	UNII 1				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5150	56.89	-	V	56.89	73.98	17.09	PK
5150	45.39	-	V	45.39	53.98	8.59	AV

802.11 ac_VHT40		MCS 0					
Channel	Ch. 62	5310 MHz	UNII 2A				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5350	55.83	-	V	55.83	73.98	18.15	PK
5350	45.47	-	V	45.47	53.98	8.51	AV

802.11 ac_VHT40		MCS 0					
Channel	Ch. 102	5510 MHz	UNII 2C				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5460	56.80	-	V	56.80	73.98	17.18	PK
5460	45.85	-	V	45.85	53.98	8.13	AV
5470	55.46	-	V	55.46	68.20	12.74	PK

802.11 ac_VHT80		MCS 0					
Channel	Ch. 42	5210 MHz	UNII 1				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5150	56.70	-	V	56.70	73.98	17.28	PK
5150	45.07	-	V	45.07	53.98	8.91	AV

802.11 ac_VHT80		MCS 0					
Channel	Ch. 58	5290 MHz	UNII 2A				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5350	56.42	-	V	56.42	73.98	17.56	PK
5350	45.74	-	V	45.74	53.98	8.24	AV

802.11 ac_VHT80		MCS 0					
Channel	Ch. 106	5530 MHz	UNII 2C				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5460	57.26	-	V	57.26	73.98	16.72	PK
5460	45.46	-	V	45.46	53.98	8.52	AV
5470	56.93	-	V	56.93	68.20	11.27	PK

[MIMO_CDD(Ant1+Ant3)]

802.11 a		6 Mbps					
Channel	Ch.36	5180 MHz	UNII 1				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5150	56.14	-	V	56.14	73.98	17.84	PK
5150	45.45	-	V	45.45	53.98	8.53	AV

802.11 a		6 Mbps					
Channel	Ch. 64	5320 MHz	UNII 2A				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5350	56.47	-	V	56.47	73.98	17.51	PK
5350	45.88	-	V	45.88	53.98	8.10	AV

802.11 a		6 Mbps					
Channel	Ch. 100	5500 MHz	UNII 2C				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5460	56.37	-	V	56.37	73.98	17.61	PK
5460	45.73	-	V	45.73	53.98	8.25	AV
5470	55.65	-	V	55.65	68.20	12.55	PK

802.11 n_HT20		MCS 0					
Channel	Ch. 36	5180 MHz	UNII 1				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5150	56.40	-	V	56.40	73.98	17.58	PK
5150	45.14	-	V	45.14	53.98	8.84	AV

802.11 n_HT20		MCS 0					
Channel	Ch. 64	5320 MHz	UNII 2A				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5350	56.57	-	V	56.57	73.98	17.41	PK
5350	45.24	-	V	45.24	53.98	8.74	AV

802.11 n_HT20		MCS 0					
Channel	Ch. 100	5500 MHz	UNII 2C				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5460	57.15	-	V	57.15	73.98	16.83	PK
5460	45.67	-	V	45.67	53.98	8.31	AV
5470	55.95	-	V	55.95	68.20	12.25	PK

802.11 ac_VHT20		MCS 0					
Channel	Ch. 36	5180 MHz	UNII 1				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5150	56.09	-	V	56.09	73.98	17.89	PK
5150	45.23	-	V	45.23	53.98	8.75	AV

802.11 ac_VHT20		MCS 0					
Channel	Ch. 64	5320 MHz	UNII 2A				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5350	55.76	-	V	55.76	73.98	18.22	PK
5350	45.27	-	V	45.27	53.98	8.71	AV

802.11 ac_VHT20		MCS 0					
Channel	Ch. 100	5500 MHz	UNII 2C				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5460	56.36	-	V	56.36	73.98	17.62	PK
5460	45.66	-	V	45.66	53.98	8.32	AV
5470	55.62	-	V	55.62	68.20	12.58	PK

802.11 n_HT40		MCS 0					
Channel	Ch. 38	5190 MHz	UNII 1				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5150	56.03	-	V	56.03	73.98	17.95	PK
5150	45.18	-	V	45.18	53.98	8.80	AV

802.11 n_HT40		MCS 0					
Channel	Ch. 62	5310 MHz	UNII 2A				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5350	56.29	-	V	56.29	73.98	17.69	PK
5350	45.51	-	V	45.51	53.98	8.47	AV

802.11 n_HT40		MCS 0					
Channel	Ch. 102	5510 MHz	UNII 2C				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5460	57.19	-	V	57.19	73.98	16.79	PK
5460	45.52	-	V	45.52	53.98	8.46	AV
5470	56.33	-	V	56.33	68.20	11.87	PK

802.11 ac_VHT40		MCS 0					
Channel	Ch. 38	5190 MHz	UNII 1				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5150	56.04	-	V	56.04	73.98	17.94	PK
5150	45.22	-	V	45.22	53.98	8.76	AV

802.11 ac_VHT40		MCS 0					
Channel	Ch. 62	5310 MHz	UNII 2A				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5350	56.16	-	V	56.16	73.98	17.82	PK
5350	45.59	-	V	45.59	53.98	8.39	AV

802.11 ac_VHT40		MCS 0					
Channel	Ch. 102	5510 MHz	UNII 2C				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5460	56.48	-	V	56.48	73.98	17.50	PK
5460	45.66	-	V	45.66	53.98	8.32	AV
5470	56.07	-	V	56.07	68.20	12.13	PK

802.11 ac_VHT80		MCS 0					
Channel	Ch. 42	5210 MHz	UNII 1				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5150	56.11	-	V	56.11	73.98	17.87	PK
5150	45.71	-	V	45.71	53.98	8.27	AV

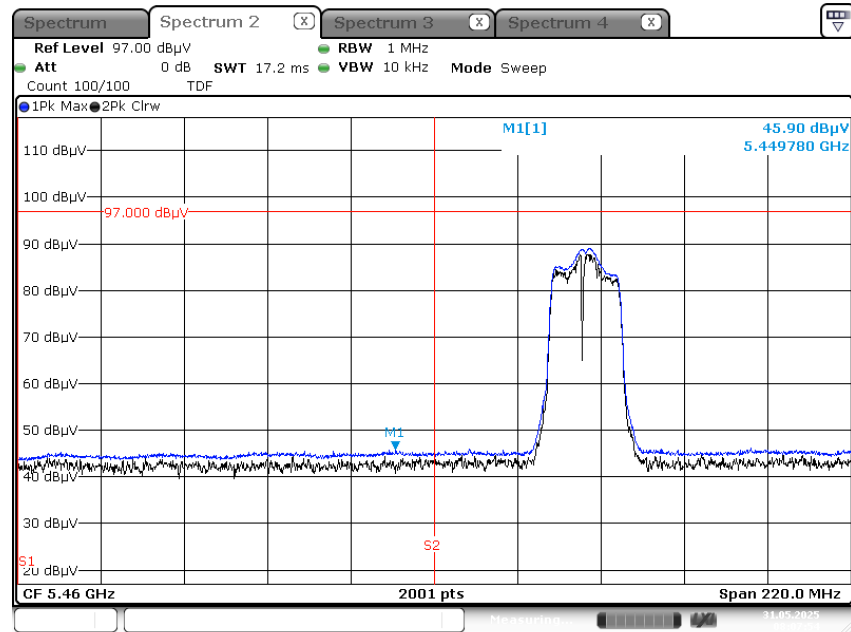
802.11 ac_VHT80		MCS 0					
Channel	Ch. 58	5290 MHz	UNII 2A				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5350	56.68	-	V	56.68	73.98	17.30	PK
5350	45.54	-	V	45.54	53.98	8.44	AV

802.11 ac_VHT80		MCS 0					
Channel	Ch. 106	5530 MHz	UNII 2C				
Frequency	Measured Value	C.L+A.F+D.F-A.G+ATT	ANT. POL	Total	Limit	Margin	Measurement
[MHz]	[dBμV]	[dB/m]	[H/V]	[dBμV/m]	[dBμV/m]	[dB]	Type
5460	56.67	-	V	56.67	73.98	17.31	PK
5460	45.72	-	V	45.72	53.98	8.26	AV
5470	56.10	-	V	56.10	68.20	12.10	PK

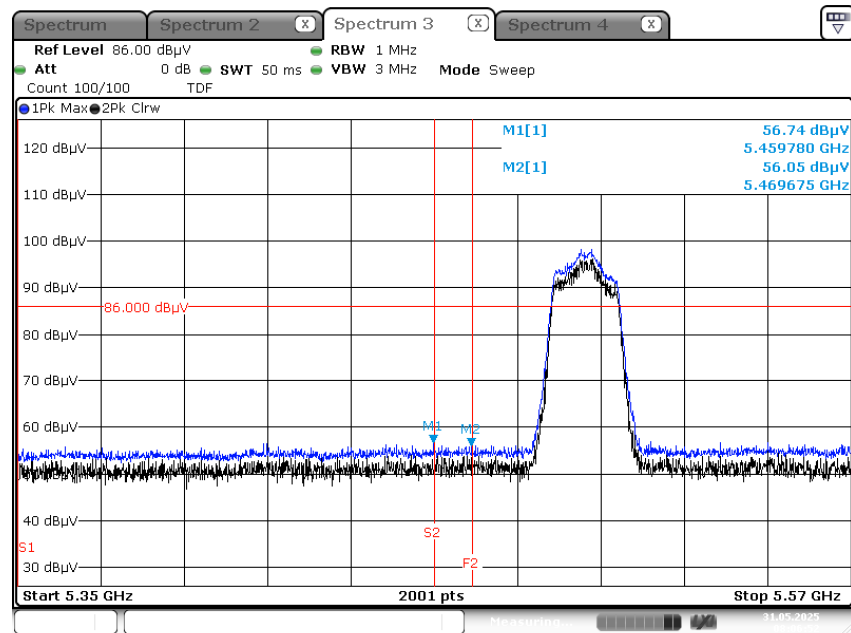
[MIMO_CDD(Ant1+Ant2)]

▣ Test Plots(UNII 1, 2A, 2C)

Average Result (802.11n_HT20_MCS0, Ch.100, Z-V)



Peak Result (802.11n_HT20_MCS0, Ch.100, Z-V)

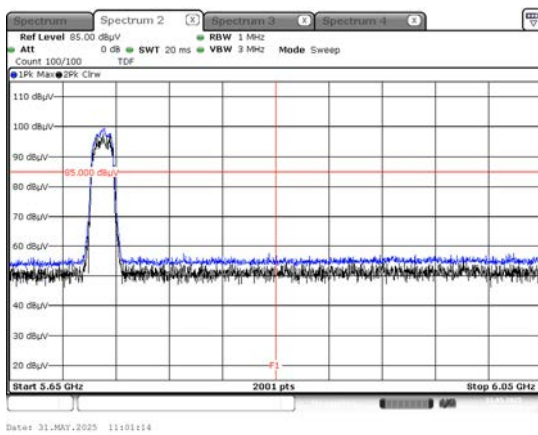


Note: Only the worst case plots for Radiated Restricted Band Edge.

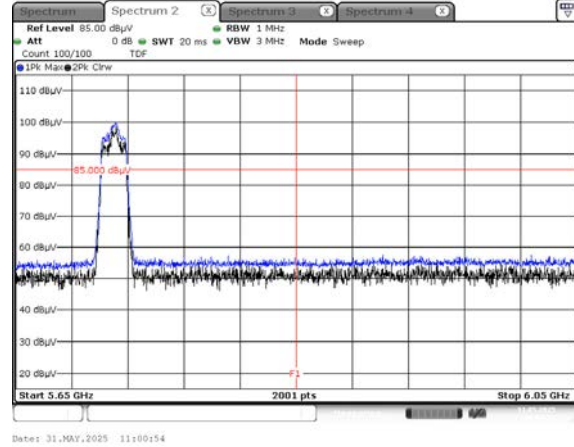
■ Test Plots(Straddle Channel)

[MIMO_CDD(Ant1+Ant2)]

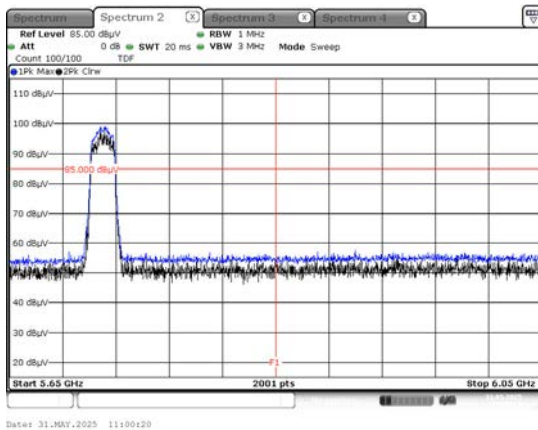
Peak Result (802.11a, Ch.144, Z-V)



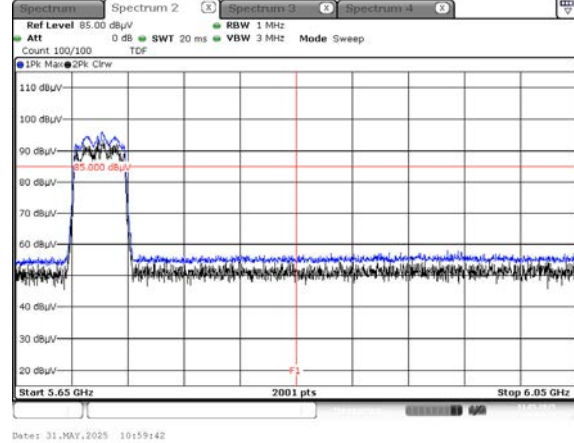
Peak Result (802.11n_HT20, Ch.144, Z-V)



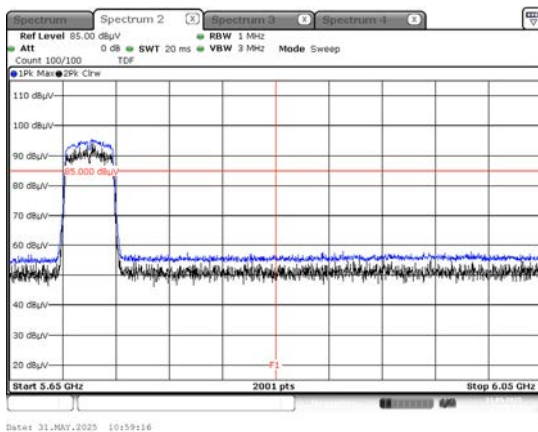
Peak Result (802.11ac_VHT20, Ch.144, Z-V)



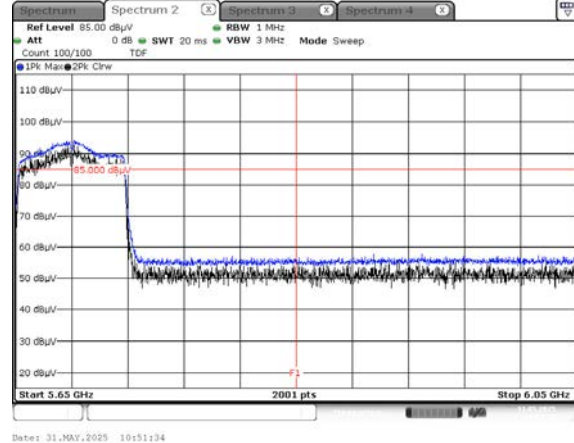
Peak Result (802.11n_HT40, Ch.142, Z-V)



Peak Result (802.11ac_VHT40, Ch.142, Z-V)

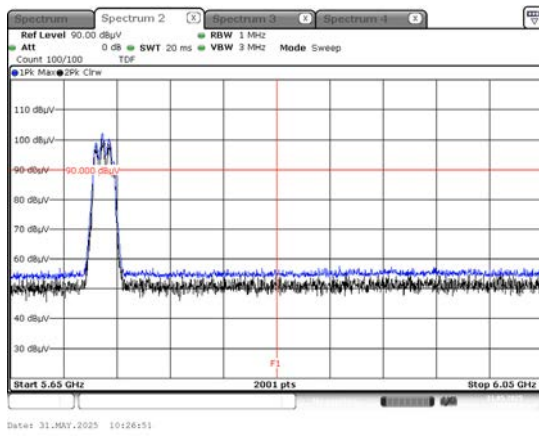


Peak Result (802.11ac_VHT80, Ch.138, Z-V)

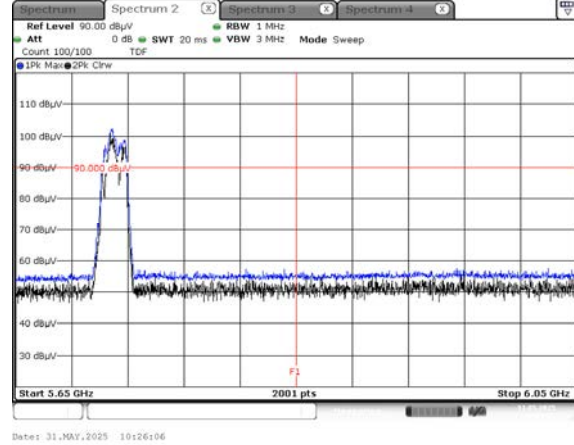


[MIMO_CDD(Ant1+Ant3)]

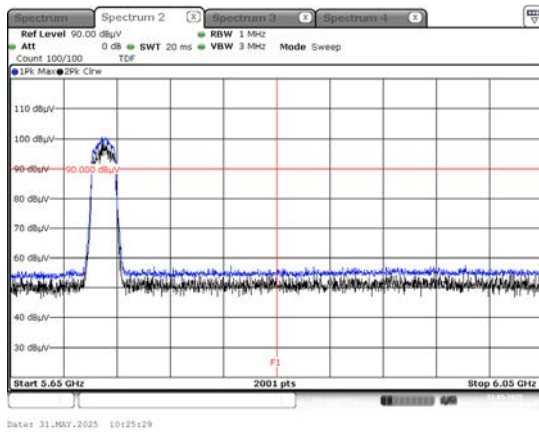
Peak Result (802.11a, Ch.144, Z-V)



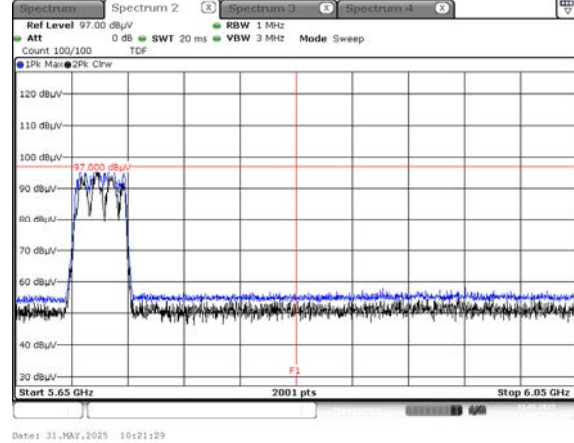
Peak Result (802.11n_HT20, Ch.144, Z-V)



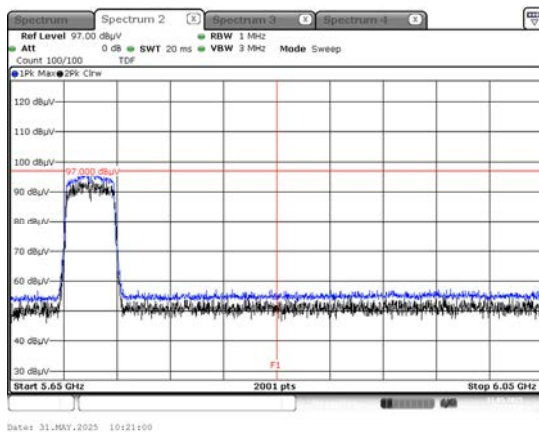
Peak Result (802.11ac_VHT20, Ch.144, Z-V)



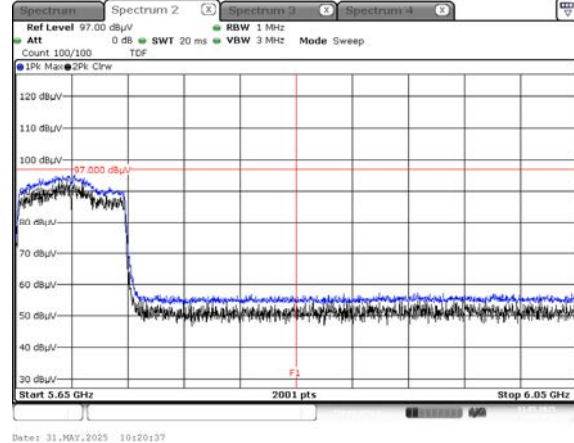
Peak Result (802.11n_HT40, Ch.142, Z-V)



Peak Result (802.11ac_VHT40, Ch.142, Z-V)



Peak Result (802.11ac_VHT80, Ch.138, Z-V)



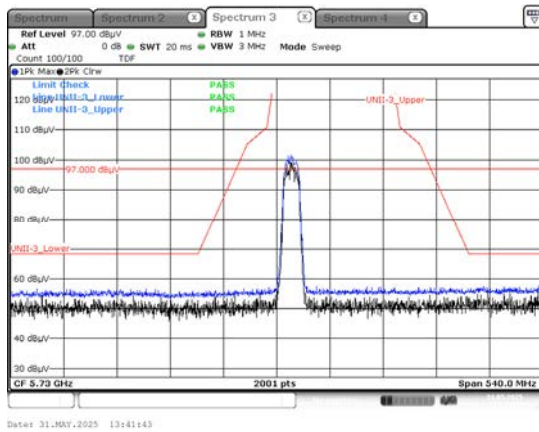
Note :

1. Only the worst case plots for Radiated Restricted Band Edge.
2. Red line : 5 850 MHz
3. Ambient Noise (Because of ambient noise, We attached only the worst plot without a data table)

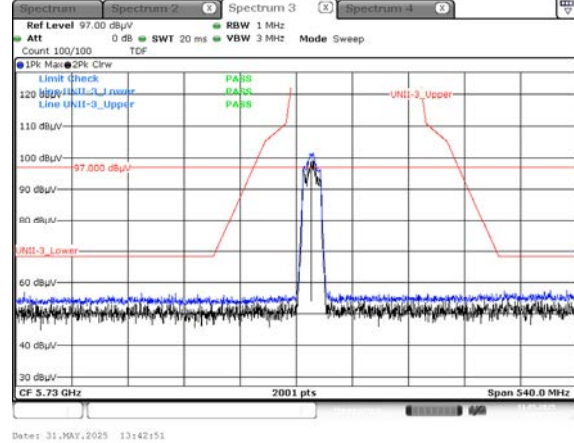
▣ Test Plots(UNII 3)

[MIMO_CDD(Ant1+Ant2)]

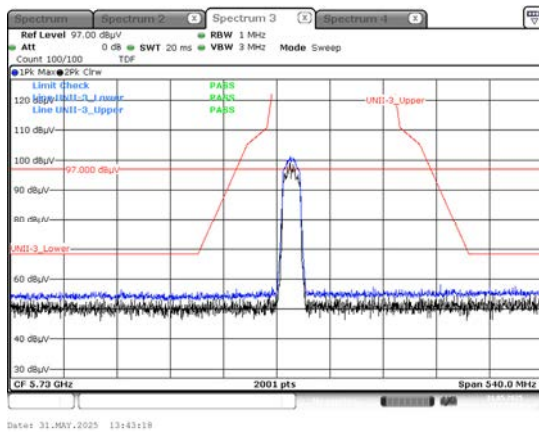
Peak Result (802.11a, Ch.149, Z-V)



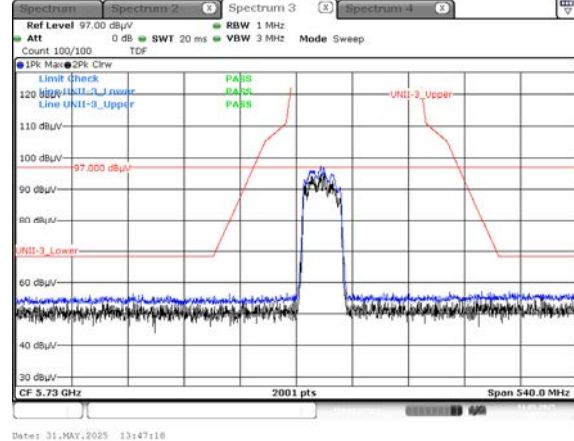
Peak Result (802.11n_HT20, Ch.149, Z-V)



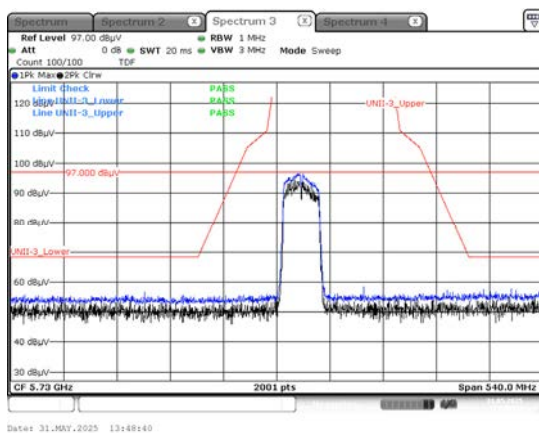
Peak Result (802.11ac_VHT20, Ch.149, Z-V)



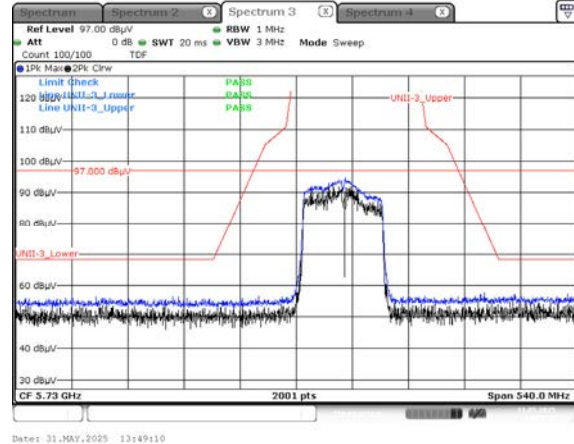
Peak Result (802.11n_HT40, Ch.151, Z-V)



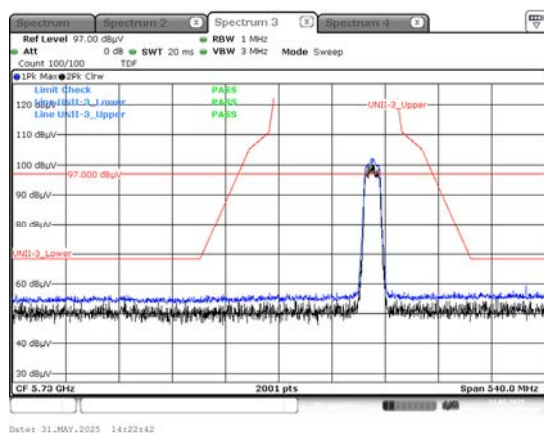
Peak Result (802.11ac_VHT40, Ch.151, Z-V)



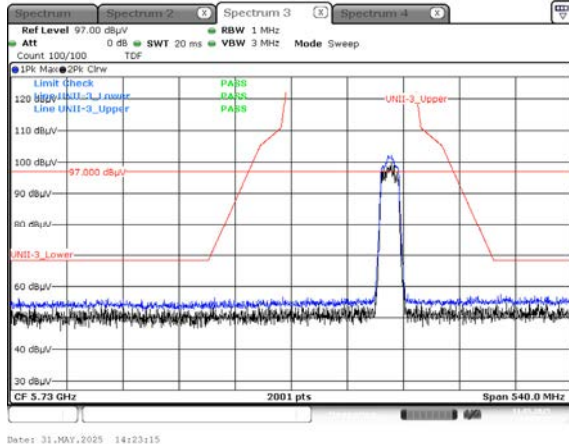
Peak Result (802.11ac_VHT80, Ch.155, Z-V)



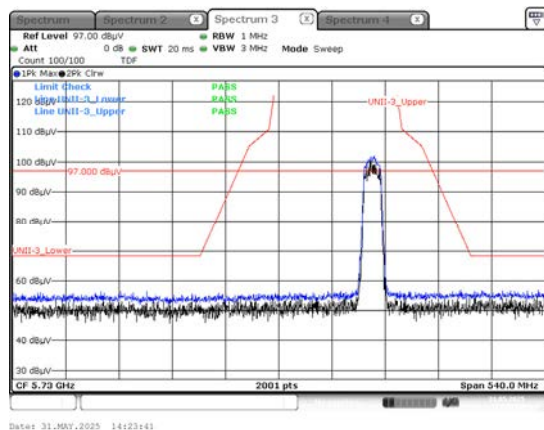
Peak Result (802.11a, Ch.165, Z-V)



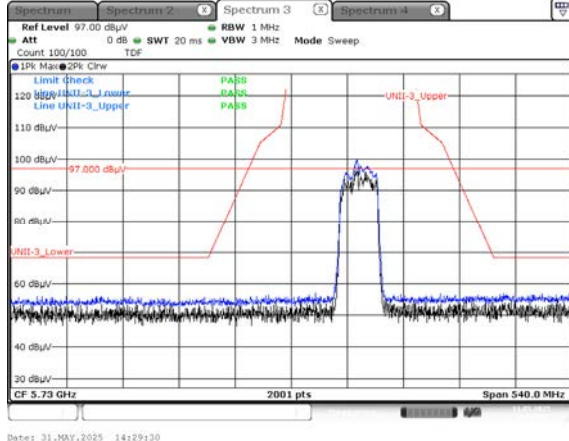
Peak Result (802.11n_HT20, Ch.165, Z-V)



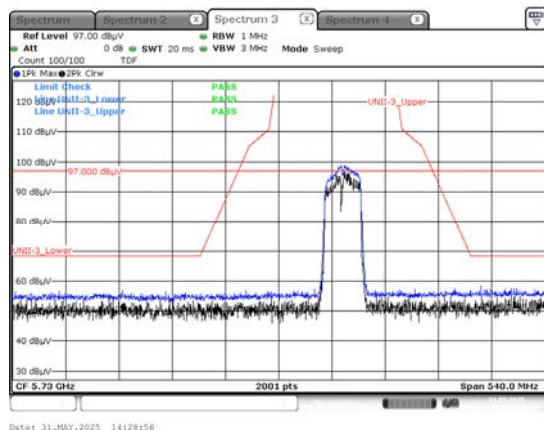
Peak Result (802.11ac_VHT20, Ch.165, Z-V)



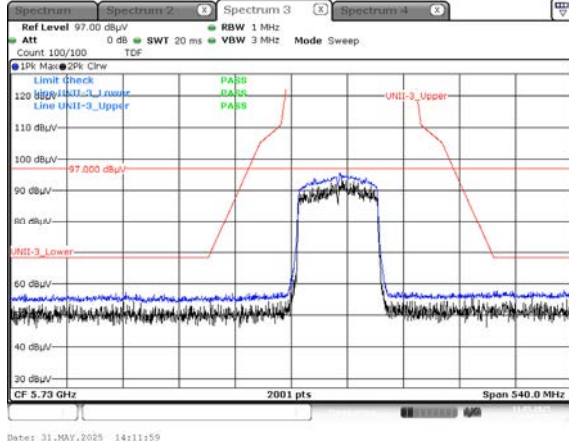
Peak Result (802.11n_HT40, Ch.159, Z-V)



Peak Result (802.11ac_VHT40, Ch.159, Z-V)

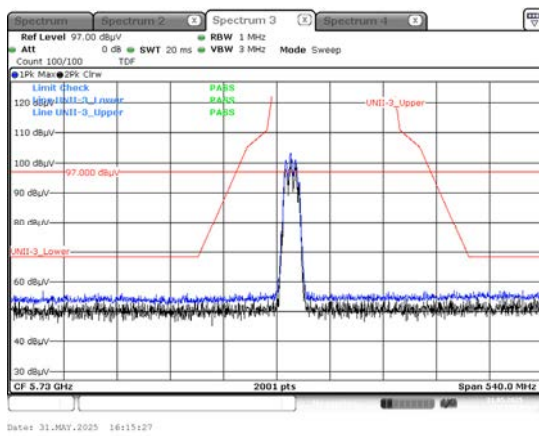


Peak Result (802.11ac_VHT80, Ch.155, Z-V)

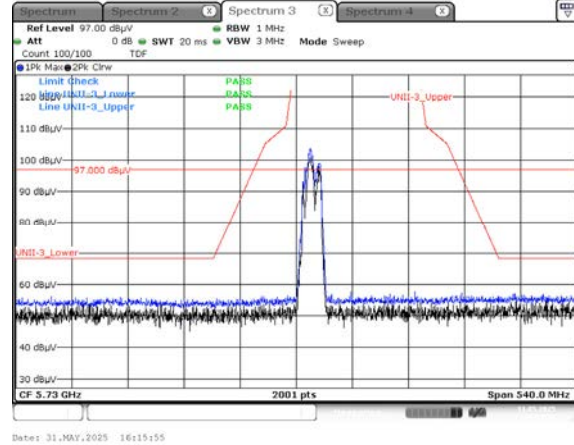


[MIMO_CDD(Ant1+Ant3)]

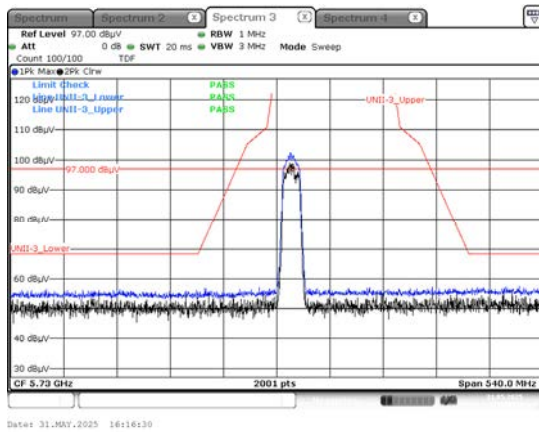
Peak Result (802.11a, Ch.149, Z-V)



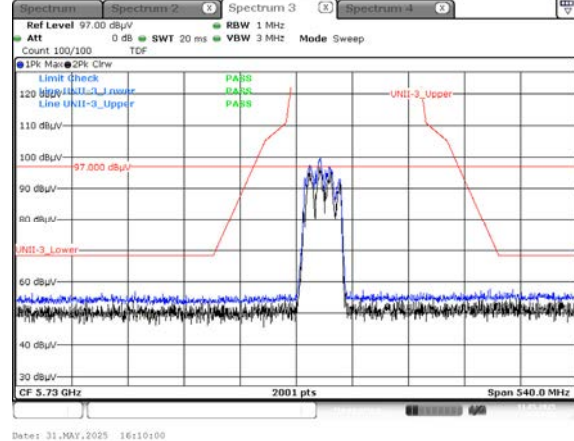
Peak Result (802.11n_HT20, Ch.149, Z-V)



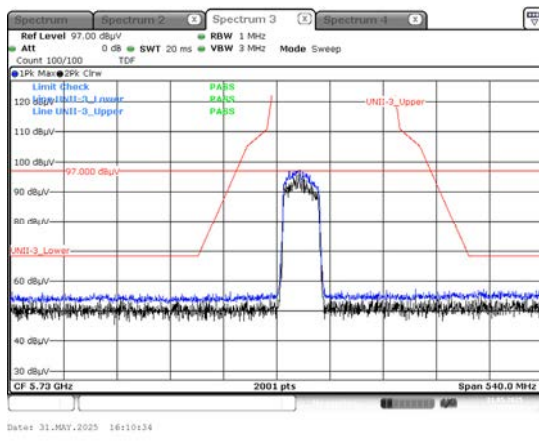
Peak Result (802.11ac_VHT20, Ch.149, Z-V)



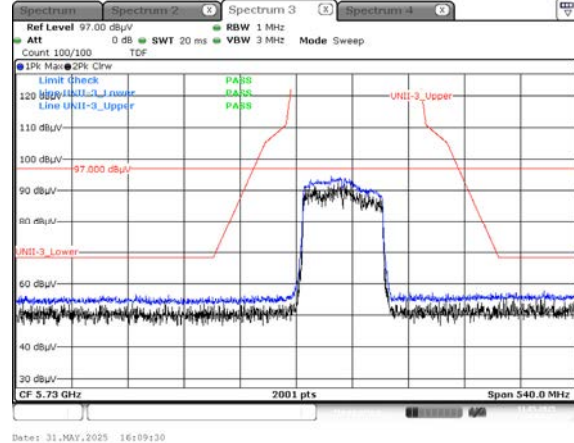
Peak Result (802.11n_HT40, Ch.151, Z-V)



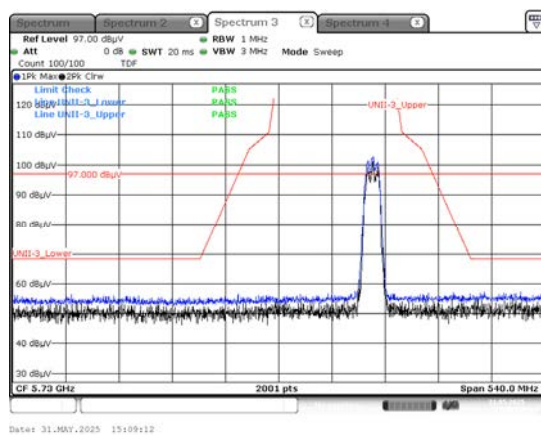
Peak Result (802.11ac_VHT40, Ch.151, Z-V)



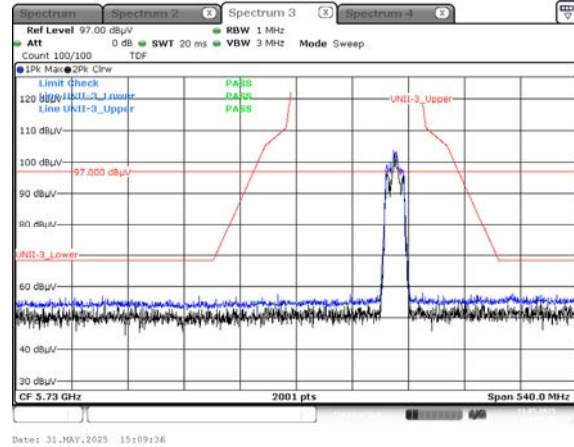
Peak Result (802.11ac_VHT80, Ch.155, Z-V)



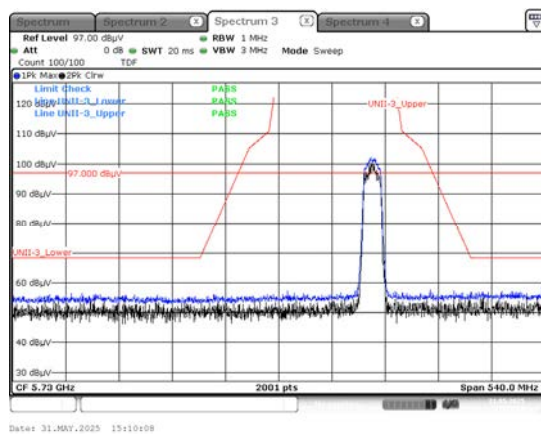
Peak Result (802.11a, Ch.165, Z-V)



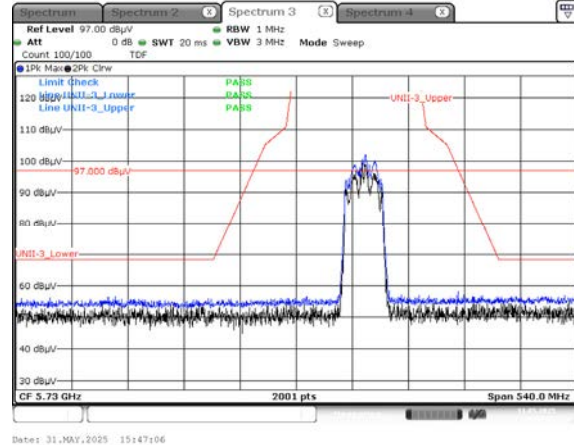
Peak Result (802.11n_HT20, Ch.165, Z-V)



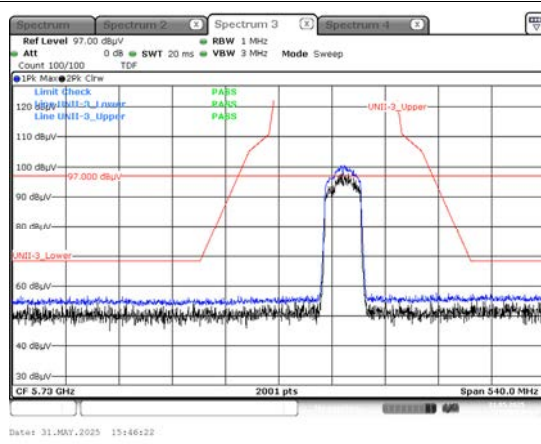
Peak Result (802.11ac_VHT20, Ch.165, Z-V)



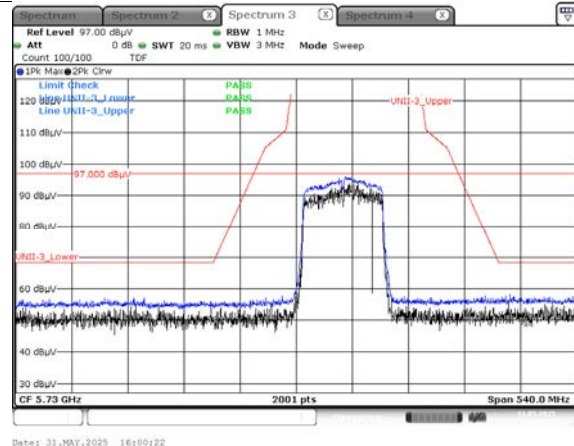
Peak Result (802.11n_HT40, Ch.159, Z-V)



Peak Result (802.11ac_VHT40, Ch.159, Z-V)



Peak Result (802.11ac_VHT80, Ch.155, Z-V)



Note:

1. Only the worst case plots for U-NII-3 Out of Band e.i.r.p Emission.
2. U-NII-3 Low & High Band Edge RedLine is Final Test Limit about factor value compensation.

11. LIST OF TEST EQUIPMENT

Conducted Test

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
LISN	ENV216	Rohde & Schwarz	102245	07/15/2026	Annual
EMI Test Receiver	ESR	Rohde & Schwarz	101910	08/27/2025	Annual
Temperature Chamber	SU-642	ESPEC	93022487	06/26/2026	Annual
Signal Analyzer	N9030A	Keysight	MY55410508	08/23/2025	Annual
Power Measurement Set	OSP 120	Rohde & Schwarz	100935	08/01/2025	Annual
Power Meter	N1911A	Agilent	MY45100523	02/21/2026	Annual
Power Sensor	N1921A	Agilent	MY57820067	02/04/2026	Annual
Directional Coupler	87300B	Agilent	3116A03621	10/21/2025	Annual
Power Splitter	11667B	Hewlett Packard	10545	01/23/2026	Annual
DC Power Supply	E3632A	Agilent	KR75305528	12/24/2025	Annual
Attenuator(10 dB)(DC-26.5 GHz)	8493C-010	Agilent	08285	05/19/2026	Annual
Attenuator(20 dB)	18N-20dB	Rohde & Schwarz	8	02/18/2026	Annual
Software	EMC32	Rohde & Schwarz	N/A	N/A	N/A
Bluetooth Tester	CBT	Rohde & Schwarz	100752	12/27/2025	Annual
Automation Software	FCC WLAN Conducted	HCT CO., LTD	-	-	-

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

Radiated Test

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Controller(Antenna mast)	CO3000	Innco system	CO3000-4p	N/A	N/A
Antenna Position Tower	MA4640/800-XP-EP	Innco system	S3AM	07/30/2025	Annual
Controller	EM2090	Emco	060520	N/A	N/A
Turn Table	N/A	Ets	N/A	N/A	N/A
Amp & Filter Bank Switch Controller	FBSM-01A	TNM system	0	N/A	N/A
Loop Antenna	FMZB 1513	Rohde & Schwarz	1513-333	03/07/2026	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	9168-0895	08/28/2026	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	9120D-1191	11/07/2025	Biennial
Horn Antenna(15 GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170124	03/23/2027	Biennial
Band Reject Filter	WRCJV2400/2483.5-2370/2520-60/12SS	Wainwright Instruments	2	12/26/2025	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	5	05/27/2026	Annual
Band Reject Filter	WRCJV12-4900-5100-5900-6100-50SS	Wainwright Instruments	6	05/27/2026	Annual
High Pass Filter(7 GHz ~ 18 GHz)	WHKX10-7150-8000-18000-50SS	Wainwright Instruments	1	02/21/2026	Annual
RF Switching System	FBSR-03A (3G HPF+LNA)	T&M SYSTEM	S3L1	10/31/2025	Annual
RF Switching System	FBSR-03A (10dB ATT+LNA)	T&M SYSTEM	S3L2	10/31/2025	Annual
RF Switching System	FBSR-03A (7G HPF+LNA)	T&M SYSTEM	S3L3	10/31/2025	Annual
RF Switching System	FBSR-03A (3dB ATT+LNA)	T&M SYSTEM	S3L4	10/31/2025	Annual
Power Amplifier	CBL18265035	CERNEX	22966	11/07/2025	Annual
Power Amplifier	CBL26405040	CERNEX	25956	02/19/2026	Annual
Bluetooth Tester	TC-3000C	TESCOM	3000C000175	03/12/2026	Annual
Spectrum Analyzer	FSV40 (9 kHz ~ 40 GHz)	Rohde & Schwarz	100900	08/27/2025	Annual
Automation Software	FCC WLAN Radiated	HCT CO., LTD	-	-	-

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
3. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5(Version : 2017).

12. ANNEX A_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2507-FC080-P