

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
25900.014881	-61.8	34.7	-27.0
25310.102679	-61.8	34.7	-27.0
25950.007440	-61.8	34.8	-27.0

Pre Measurements, middle channel WLAN 802.11ax HE-TB full RU, BW 20MHz, MCS0

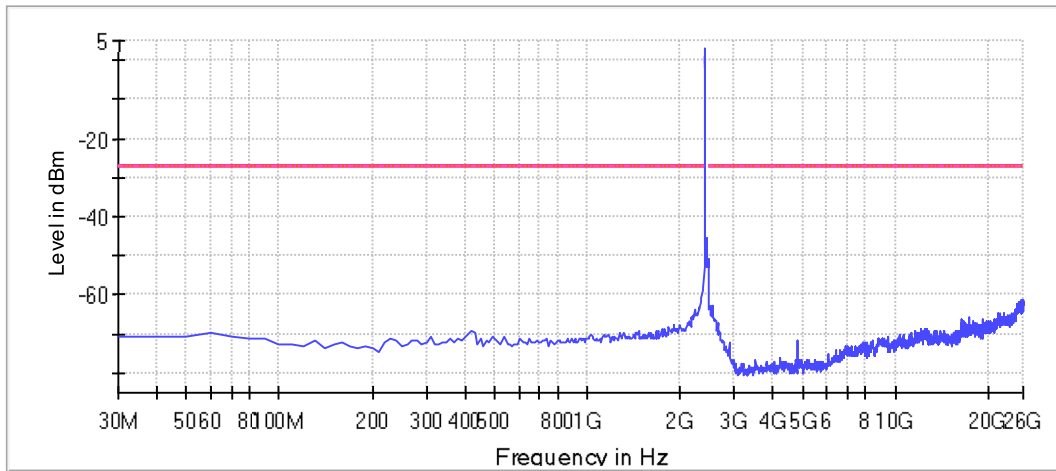
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2380.000000	-57.2	29.7	-27.5
2390.000000	-57.9	30.5	-27.5
25650.052083	-60.4	32.9	-27.5
25380.092262	-61.1	33.6	-27.5
25930.010417	-61.3	33.8	-27.5
25850.022321	-61.3	33.9	-27.5
25920.011905	-61.4	33.9	-27.5
25880.017857	-61.5	34.0	-27.5
25890.016369	-61.5	34.0	-27.5
25950.007440	-61.5	34.1	-27.5
25440.083333	-61.6	34.2	-27.5
25990.001488	-61.7	34.2	-27.5
25970.004464	-61.8	34.3	-27.5
25940.008929	-61.8	34.4	-27.5
25330.099702	-61.9	34.4	-27.5

Pre Measurements, top channel WLAN 802.11ax HE-TB full RU, BW 20MHz, MCS0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
25510.072917	-40.3	12.3	-28.0
25920.011905	-40.3	12.3	-28.0
25860.020833	-40.5	12.5	-28.0
25880.017857	-40.5	12.6	-28.0
25000.148810	-40.5	12.6	-28.0
25380.092262	-40.6	12.6	-28.0
25390.090774	-40.6	12.6	-28.0
25460.080357	-40.7	12.7	-28.0
25870.019345	-40.7	12.8	-28.0
25930.010417	-40.8	12.8	-28.0
25570.063988	-40.8	12.8	-28.0
25990.001488	-40.8	12.8	-28.0
25900.014881	-40.8	12.8	-28.0
25910.013393	-40.8	12.9	-28.0
25940.008929	-40.8	12.9	-28.0

Low channel WLAN 802.11ax HE-TB full RU, BW 20MHz, MCS0

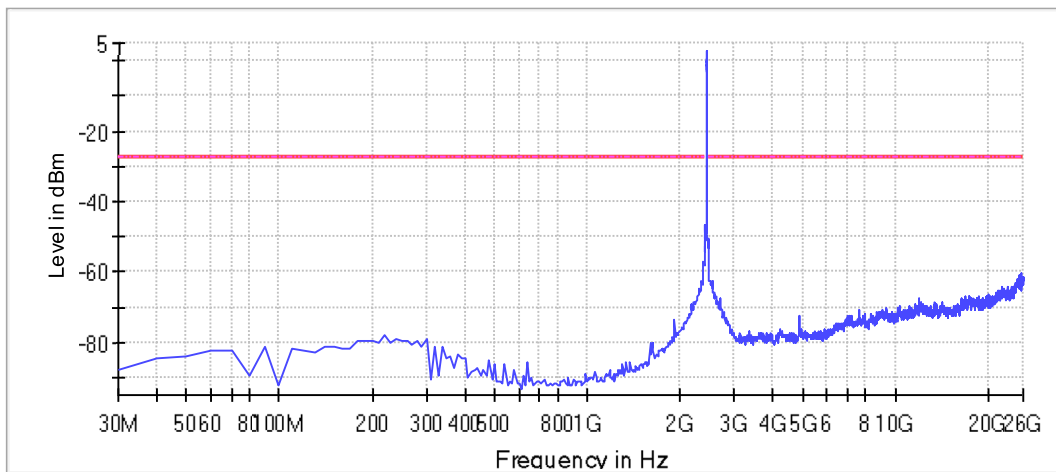
Spurious



— Limit    — SumLevel    - - - Threshold    × Critical    × FinalCritical

Middle channel WLAN 802.11ax HE-TB full RU, BW 20MHz, MCS0

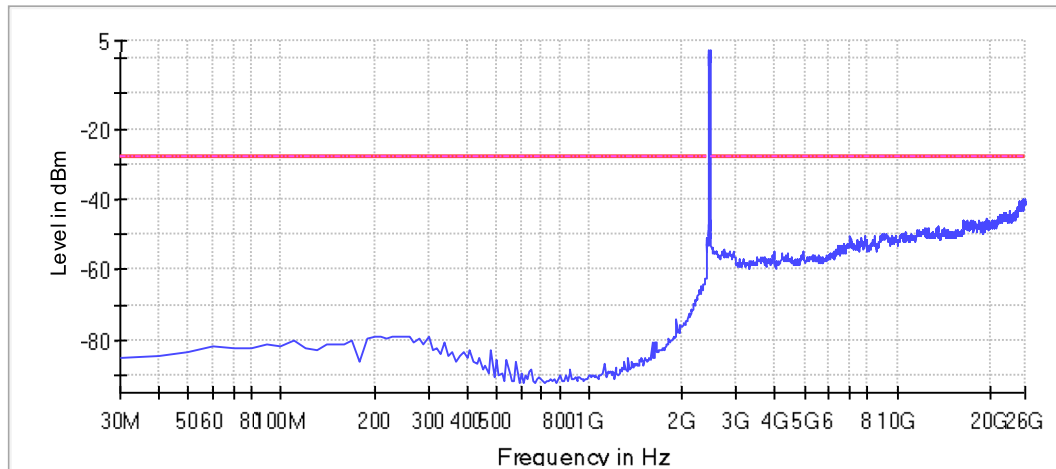
Spurious



— Limit    — SumLevel    - - - Threshold    × Critical    × FinalCritical

High channel WLAN 802.11ax HE-TB full RU, BW 20MHz, MCS0

Spurious



— Limit    — SumLevel    - - - - Threshold    × Critical    × Final Critical

Pre Measurements, low channel WLAN 802.11n, BW 40MHz, MCS5

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2390.000000	-41.5	26.2	-15.4
2380.000000	-46.0	30.6	-15.4
2370.000000	-46.5	31.2	-15.4
2503.497024	-51.3	35.9	-15.4
2493.498512	-53.0	37.7	-15.4
2360.000000	-53.6	38.3	-15.4
2350.000000	-53.7	38.3	-15.4
2523.494048	-56.1	40.7	-15.4
2340.000000	-56.1	40.8	-15.4
2513.495536	-56.4	41.0	-15.4
2330.000000	-57.7	42.3	-15.4
2320.000000	-58.2	42.8	-15.4
2543.491071	-59.8	44.4	-15.4
2310.000000	-60.1	44.7	-15.4
25880.017857	-60.2	44.8	-15.4

Pre Measurements, middle channel WLAN 802.11n, BW 40MHz, MCS5

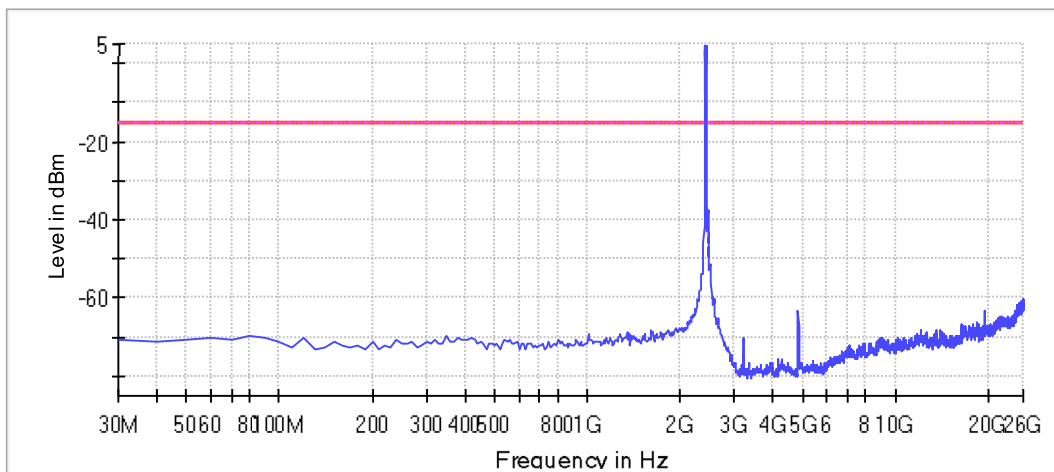
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2390.000000	-37.4	23.3	-14.1
2380.000000	-41.6	27.5	-14.1
2493.498512	-45.8	31.7	-14.1
2370.000000	-48.9	34.8	-14.1
25840.023810	-49.9	35.8	-14.1
25960.005952	-50.9	36.8	-14.1
25430.084821	-51.0	36.9	-14.1
25910.013393	-51.0	36.9	-14.1
25330.099702	-51.2	37.1	-14.1
25010.147321	-51.3	37.3	-14.1
25450.081845	-51.4	37.3	-14.1
25280.107143	-51.6	37.5	-14.1
25900.014881	-51.6	37.5	-14.1
25540.068452	-51.7	37.7	-14.1
25950.007440	-51.8	37.7	-14.1

Pre Measurements, top channel WLAN 802.11n, BW 40MHz, MCS5

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
25980.002976	-40.1	24.6	-15.5
25890.016369	-40.3	24.8	-15.5
25920.011905	-40.3	24.8	-15.5
25840.023810	-40.4	24.9	-15.5
25440.083333	-40.5	25.0	-15.5
25940.008929	-40.5	25.0	-15.5
25960.005952	-40.6	25.1	-15.5
24750.186012	-40.6	25.1	-15.5
25380.092262	-40.7	25.2	-15.5
25390.090774	-40.7	25.2	-15.5
25910.013393	-40.7	25.2	-15.5
25360.095238	-40.8	25.3	-15.5
25860.020833	-40.8	25.3	-15.5
25340.098214	-40.8	25.3	-15.5
26000.000000	-40.8	25.3	-15.5

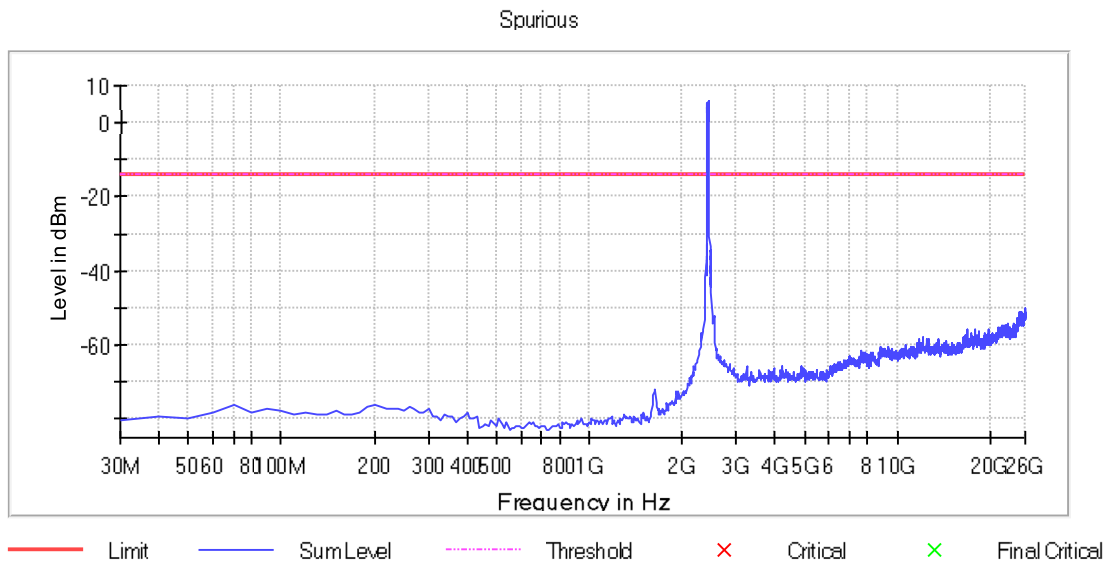
Low channel WLAN 802.11n, BW 40MHz, MCS5

Spurious

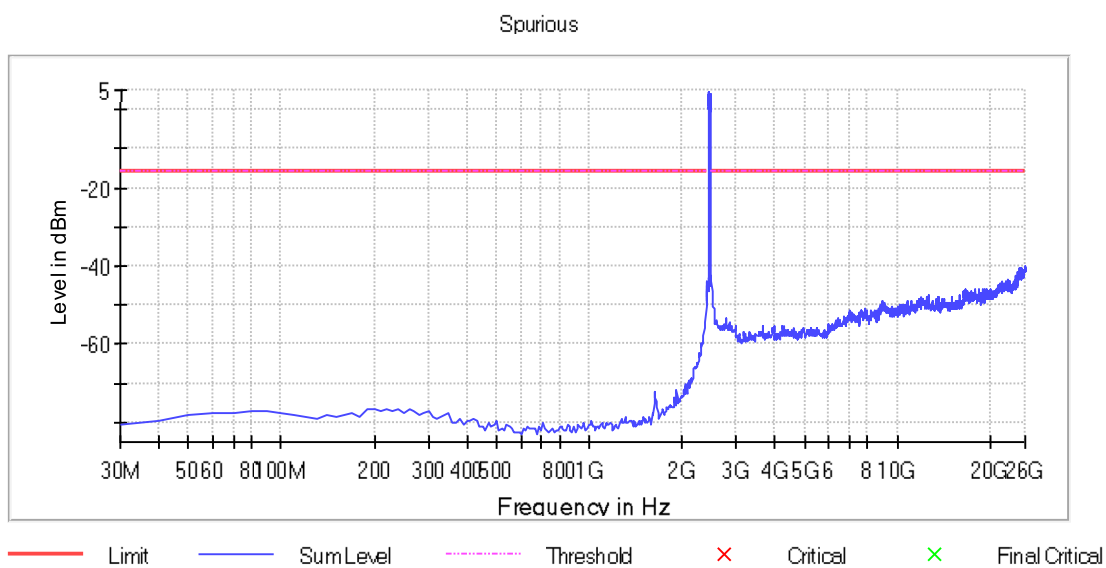


— Limit    — SumLevel    ..... Threshold    × Critical    × FinalCritical

Middle channel WLAN 802.11n, BW 40MHz, MCS5



High channel WLAN 802.11n, BW 40MHz, MCS5



Pre Measurements, low channel WLAN 802.11ax HE-SU, BW 40MHz, MCS0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2390.000000	-42.8	27.3	-15.5
2380.000000	-46.0	30.5	-15.5
2370.000000	-46.6	31.1	-15.5
2360.000000	-51.9	36.5	-15.5
2493.498512	-53.5	38.1	-15.5
2513.495536	-53.7	38.2	-15.5
2350.000000	-54.4	38.9	-15.5
2503.497024	-55.6	40.1	-15.5
2340.000000	-55.6	40.1	-15.5
2330.000000	-57.8	42.3	-15.5
2310.000000	-57.8	42.4	-15.5
2320.000000	-58.3	42.9	-15.5

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2533.492560	-59.0	43.6	-15.5
25860.020833	-59.3	43.9	-15.5
2523.494048	-59.6	44.1	-15.5

Pre Measurements, middle channel WLAN 802.11ax HE-SU, BW 40MHz, MCS0

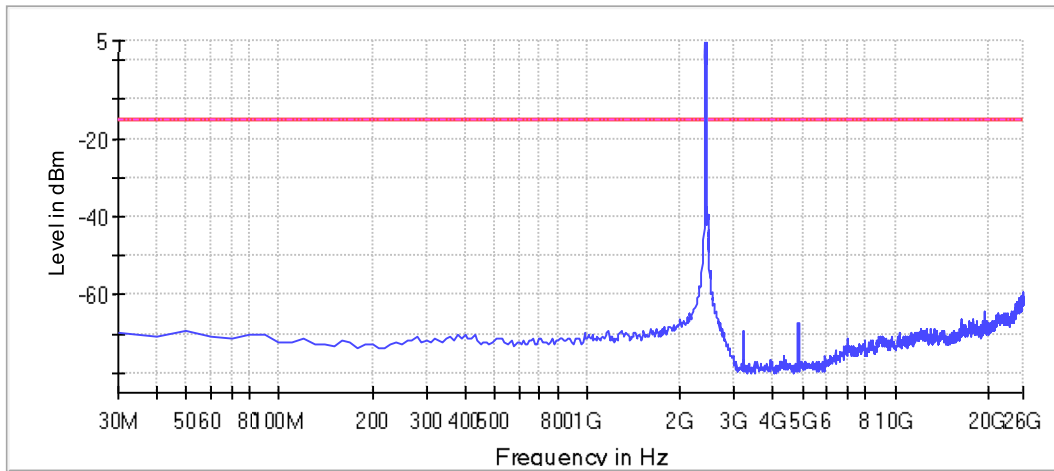
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2390.000000	-40.9	26.5	-14.3
2380.000000	-41.5	27.1	-14.3
2493.498512	-48.6	34.3	-14.3
2370.000000	-48.8	34.5	-14.3
25870.019345	-50.6	36.2	-14.3
24950.156250	-50.9	36.5	-14.3
25960.005952	-51.0	36.6	-14.3
25880.017857	-51.0	36.7	-14.3
25410.087798	-51.1	36.7	-14.3
25800.029762	-51.1	36.7	-14.3
2503.497024	-51.2	36.8	-14.3
25900.014881	-51.4	37.1	-14.3
25350.096726	-51.4	37.1	-14.3
26000.000000	-51.5	37.1	-14.3
25910.013393	-51.5	37.1	-14.3

Pre Measurements, top channel WLAN 802.11ax HE-SU, BW 40MHz, MCS0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
25420.086310	-40.0	24.6	-15.4
25890.016369	-40.2	24.8	-15.4
25280.107143	-40.4	24.9	-15.4
25990.001488	-40.4	25.0	-15.4
25350.096726	-40.4	25.0	-15.4
26000.000000	-40.5	25.1	-15.4
25980.002976	-40.5	25.1	-15.4
25830.025298	-40.6	25.2	-15.4
25860.020833	-40.6	25.2	-15.4
25950.007440	-40.7	25.3	-15.4
25340.098214	-40.7	25.3	-15.4
25940.008929	-40.8	25.4	-15.4
25370.093750	-40.8	25.4	-15.4
25450.081845	-40.8	25.4	-15.4
25750.037202	-40.8	25.4	-15.4

Low channel WLAN 802.11ax HE-SU, BW 40MHz, MCS0

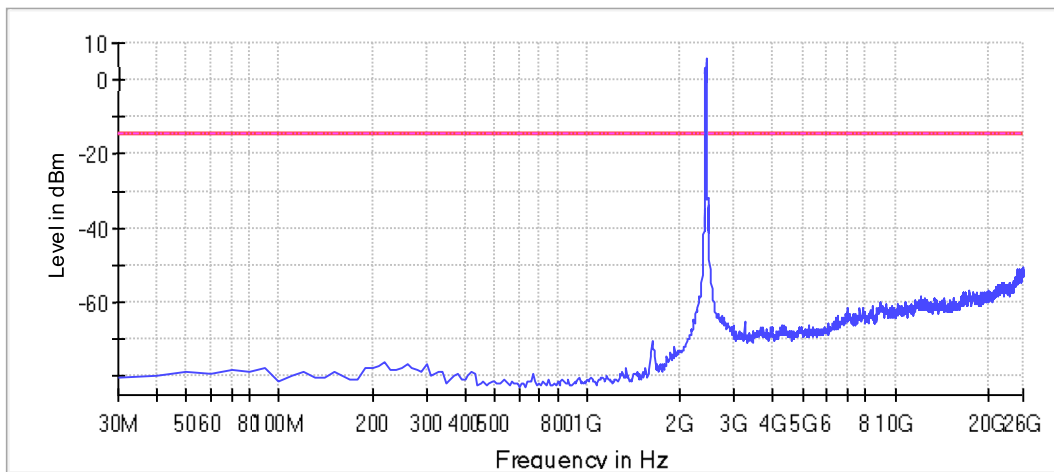
Spurious



— Limit    — SumLevel    - - - Threshold    × Critical    × FinalCritical

Middle channel WLAN 802.11ax HE-SU, BW 40MHz, MCS0

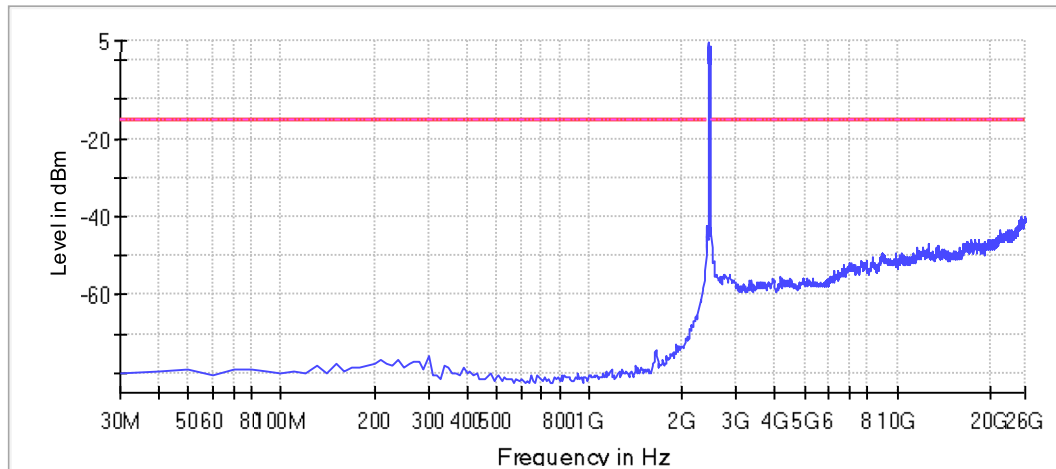
Spurious



— Limit    — SumLevel    - - - Threshold    × Critical    × FinalCritical

High channel WLAN 802.11ax HE-SU, BW 40MHz, MCS0

Spurious



Pre Measurements, low channel WLAN 802.11ax HE-TB full RU, BW 40MHz, MCS0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2380.000000	-49.9	19.4	-30.6
2390.000000	-51.1	20.5	-30.6
2370.000000	-55.7	25.2	-30.6
2360.000000	-57.7	27.1	-30.6
2350.000000	-58.5	28.0	-30.6
2493.498512	-60.2	29.6	-30.6
25890.016369	-60.4	29.8	-30.6
25910.013393	-60.7	30.1	-30.6
2503.497024	-60.7	30.2	-30.6
2340.000000	-60.8	30.3	-30.6
2330.000000	-60.8	30.3	-30.6
25800.029762	-60.9	30.3	-30.6
25830.025298	-61.2	30.6	-30.6
25900.014881	-61.3	30.8	-30.6
25850.022321	-61.3	30.8	-30.6

Pre Measurements, middle channel WLAN 802.11ax HE-TB full RU, BW 40MHz, MCS0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2390.000000	-39.3	8.9	-30.4
2380.000000	-47.2	16.8	-30.4
2370.000000	-49.6	19.2	-30.4
2350.000000	-56.1	25.7	-30.4
2493.498512	-56.6	26.2	-30.4
2360.000000	-56.7	26.4	-30.4
2330.000000	-57.8	27.5	-30.4
2503.497024	-59.1	28.8	-30.4
25950.007440	-60.0	29.6	-30.4
2513.495536	-60.1	29.8	-30.4
25930.010417	-60.6	30.2	-30.4
2553.489583	-60.7	30.4	-30.4
25870.019345	-60.7	30.4	-30.4
2340.000000	-60.8	30.4	-30.4
2533.492560	-61.2	30.8	-30.4

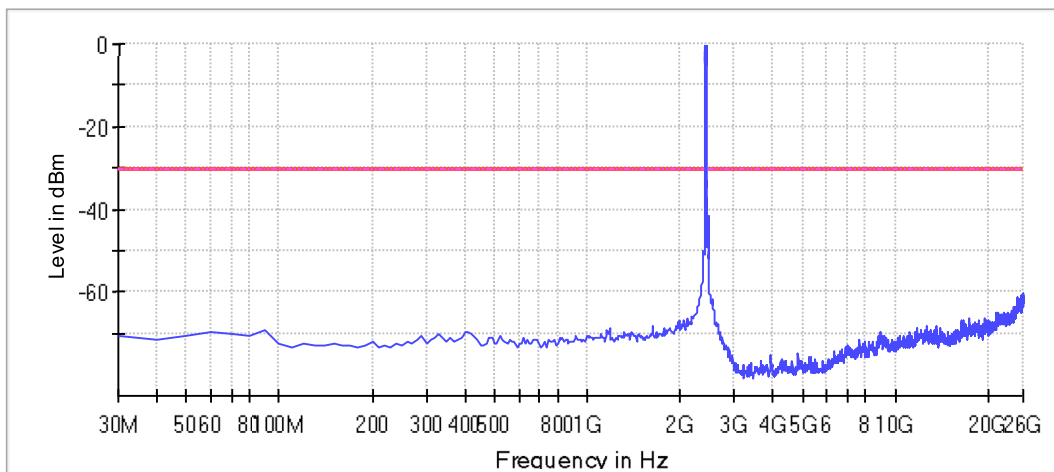


Pre Measurements, top channel WLAN 802.11ax HE-TB full RU, BW 40MHz, MCS0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2390.000000	-47.6	17.7	-29.9
2493.498512	-48.9	19.0	-29.9
25890.016369	-50.7	20.7	-29.9
25770.034226	-50.8	20.9	-29.9
25880.017857	-50.9	21.0	-29.9
25820.026786	-51.0	21.0	-29.9
25430.084821	-51.0	21.1	-29.9
25970.004464	-51.0	21.1	-29.9
25840.023810	-51.4	21.5	-29.9
25530.069940	-51.5	21.6	-29.9
25350.096726	-51.6	21.6	-29.9
25900.014881	-51.6	21.7	-29.9
25480.077381	-51.6	21.7	-29.9
25850.022321	-51.7	21.8	-29.9
25930.010417	-51.8	21.9	-29.9

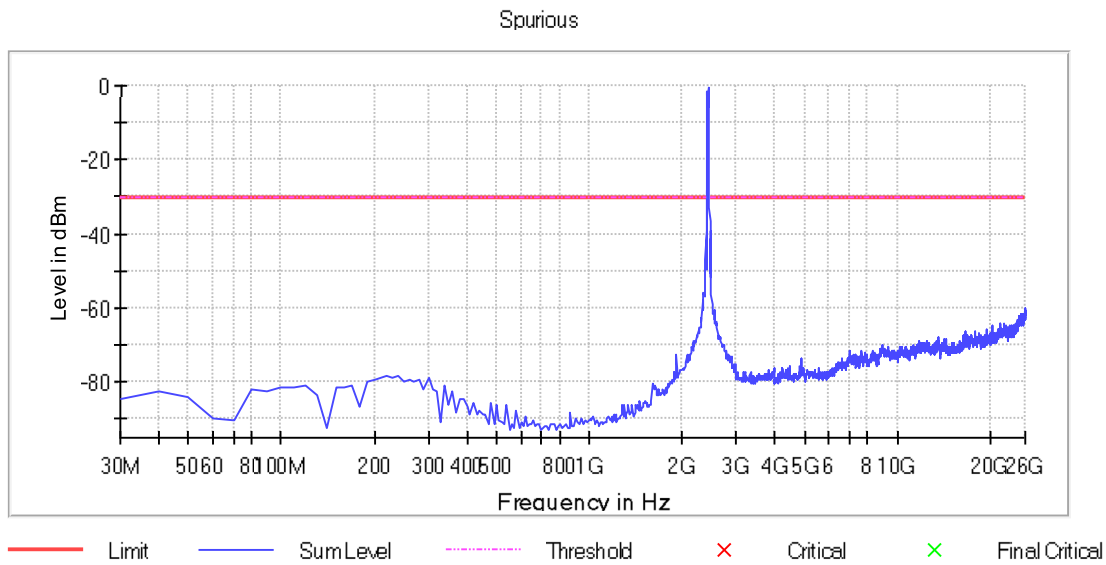
Low channel WLAN 802.11ax HE-TB full RU, BW 40MHz, MCS0

Spurious

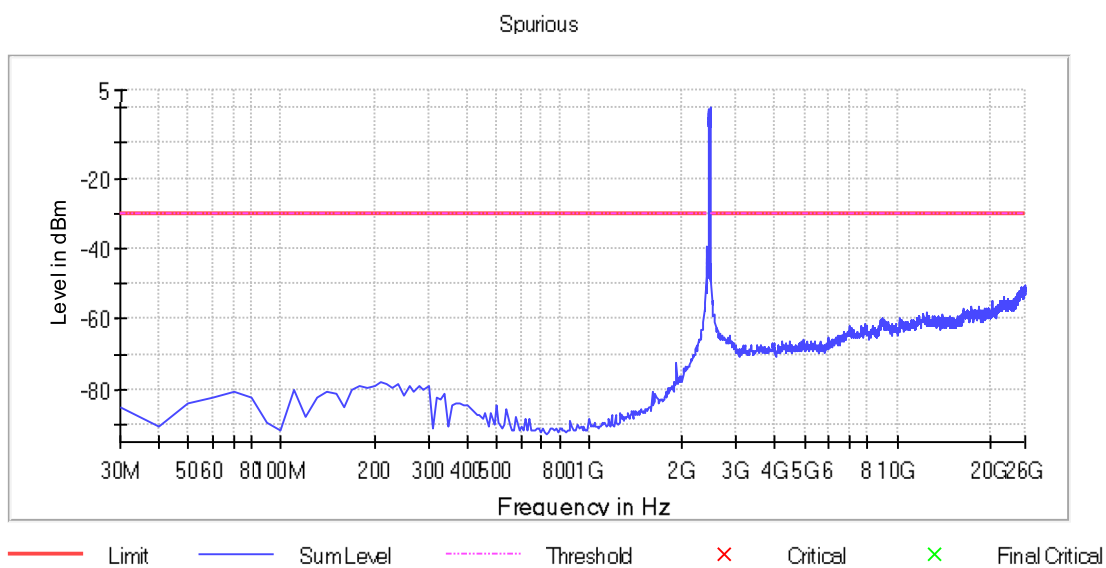


— Limit    — SumLevel    - - - - Threshold    × Critical    × FinalCritical

Middle channel WLAN 802.11ax HE-TB full RU, BW 40MHz, MCS0



High channel WLAN 802.11ax HE-TB full RU, BW 40MHz, MCS0



## 18. Emissions in restricted frequency bands

Reference: FCC §15.247(d), ISED RSS-247, Issue 3 (section 6.2)

Test method: KDB 558074 D01 DTS Meas Guidance v05r02 8.6 and ANSI C63.10-2013 (11.12)

Limits	
Power measurement	Out-of-band attenuation (dB)
Peak	according to FCC §15.209 and FCC §15.205

Test procedure
1. EUT set to test mode (communication tester is used if needed)
2. Span set around lower band edge and detector is set to peak and max hold
3. Resolution bandwidth is set to 300 Hz
4. Markers are set to peak emission levels outside frequency band

Summary		
Mode / modulation	Frequency (MHz)	Bandwidth (MHz)
WLAN 802.11b, BW 20MHz, 2 Mbps	2412	PASS
WLAN 802.11b, BW 20MHz, 2 Mbps	2437	PASS
WLAN 802.11b, BW 20MHz, 2 Mbps	2462	PASS
WLAN 802.11g, BW 20MHz, 6 Mbps	2412	PASS
WLAN 802.11g, BW 20MHz, 6 Mbps	2437	PASS
WLAN 802.11g, BW 20MHz, 6 Mbps	2462	PASS
WLAN 802.11n, BW 20MHz, MCS0	2412	PASS
WLAN 802.11n, BW 20MHz, MCS0	2437	PASS
WLAN 802.11n, BW 20MHz, MCS0	2462	PASS
WLAN 802.11ax HE-SU, BW 20MHz, MCS0	2412	PASS
WLAN 802.11ax HE-SU, BW 20MHz, MCS0	2437	PASS
WLAN 802.11ax HE-SU, BW 20MHz, MCS0	2462	PASS
WLAN 802.11ax HE-TB full RU, BW 20MHz, MCS0	2412	PASS
WLAN 802.11ax HE-TB full RU, BW 20MHz, MCS0	2437	PASS
WLAN 802.11ax HE-TB full RU, BW 20MHz, MCS0	2462	PASS
WLAN 802.11n, BW 40MHz, MCS5	2422	PASS
WLAN 802.11n, BW 40MHz, MCS5	2437	PASS
WLAN 802.11n, BW 40MHz, MCS5	2452	PASS
WLAN 802.11ax HE-SU, BW 40MHz, MCS0	2422	PASS
WLAN 802.11ax HE-SU, BW 40MHz, MCS0	2437	PASS
WLAN 802.11ax HE-SU, BW 40MHz, MCS0	2452	PASS
WLAN 802.11ax HE-TB full RU, BW 40MHz, MCS0	2422	PASS
WLAN 802.11ax HE-TB full RU, BW 40MHz, MCS0	2437	PASS
WLAN 802.11ax HE-TB full RU, BW 40MHz, MCS0	2452	PASS

## Pre Measurements, low channel WLAN 802.11b, BW 20MHz, 2 Mbps

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2389.496249	-39.9	18.7	-21.2
2388.996070	-40.0	18.8	-21.2
2389.996427	-40.4	19.2	-21.2
2388.495891	-40.8	19.6	-21.2
2368.988925	-41.9	20.7	-21.2
2369.489103	-41.9	20.7	-21.2
2364.487317	-42.0	20.8	-21.2
2364.987496	-42.3	21.1	-21.2
2368.488746	-42.4	21.2	-21.2
2387.995713	-42.4	21.2	-21.2
2385.494820	-42.4	21.2	-21.2
2385.994998	-42.6	21.4	-21.2
2383.994284	-42.7	21.5	-21.2
2387.495534	-42.9	21.7	-21.2
2386.995355	-43.2	22.0	-21.2

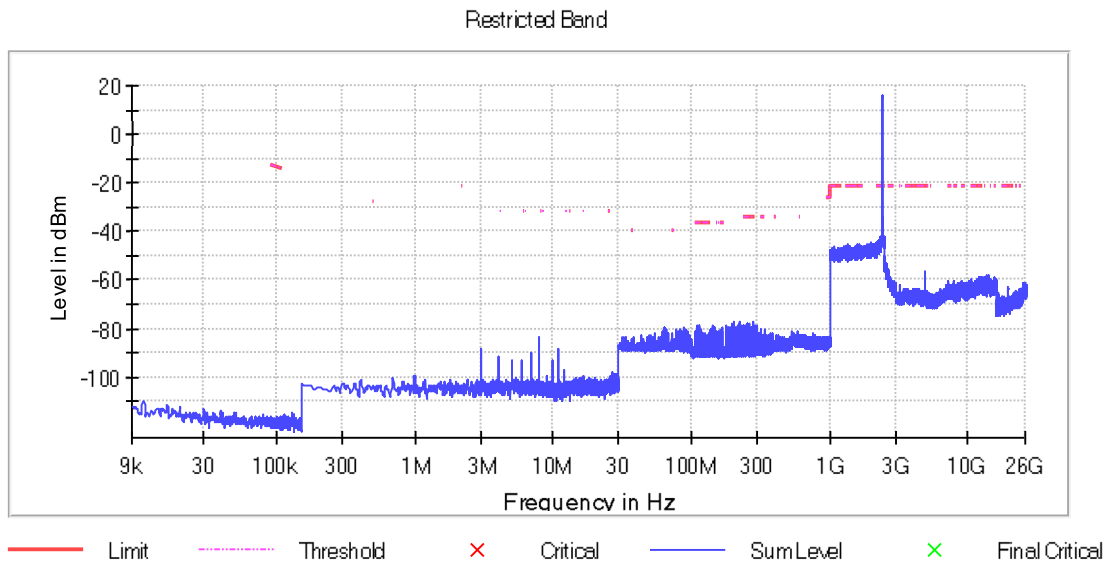
## Pre Measurements, middle channel WLAN 802.11b, BW 20MHz, 2 Mbps

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2388.495891	-44.4	23.2	-21.2
2388.996070	-44.5	23.3	-21.2
2389.996427	-44.7	23.5	-21.2
2389.496249	-44.8	23.6	-21.2
2381.993569	-45.2	24.0	-21.2
2483.500000	-45.3	24.1	-21.2
2382.993926	-45.4	24.2	-21.2
2387.995713	-45.5	24.3	-21.2
2382.493748	-45.5	24.3	-21.2
2383.494105	-45.6	24.4	-21.2
2387.495534	-45.9	24.7	-21.2
2485.500074	-45.9	24.7	-21.2
2486.000092	-46.3	25.1	-21.2
2381.493390	-46.3	25.1	-21.2
2484.500037	-46.3	25.1	-21.2

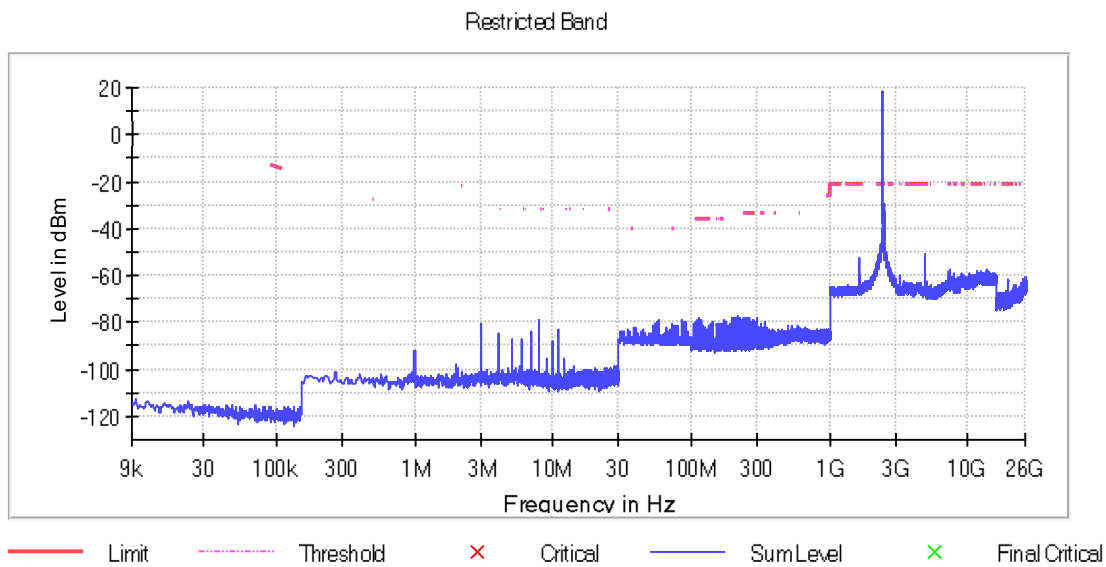
## Pre Measurements, top channel WLAN 802.11b, BW 20MHz, 2 Mbps

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
10687.303474	-38.4	17.2	-21.2
12051.353932	-38.6	17.4	-21.2
15970.998927	-38.8	17.6	-21.2
15452.979765	-38.9	17.7	-21.2
15986.499501	-39.3	18.1	-21.2
2487.500148	-39.4	18.2	-21.2
12270.362034	-39.4	18.2	-21.2
12565.872965	-39.5	18.3	-21.2
2487.000129	-39.5	18.3	-21.2
15884.995746	-39.5	18.3	-21.2
11779.843889	-39.6	18.4	-21.2
12569.873113	-39.6	18.4	-21.2
12017.852693	-39.6	18.4	-21.2
12137.357114	-39.7	18.5	-21.2
12542.372096	-39.7	18.5	-21.2

Low channel WLAN 802.11b, BW 20MHz, 2 Mbps

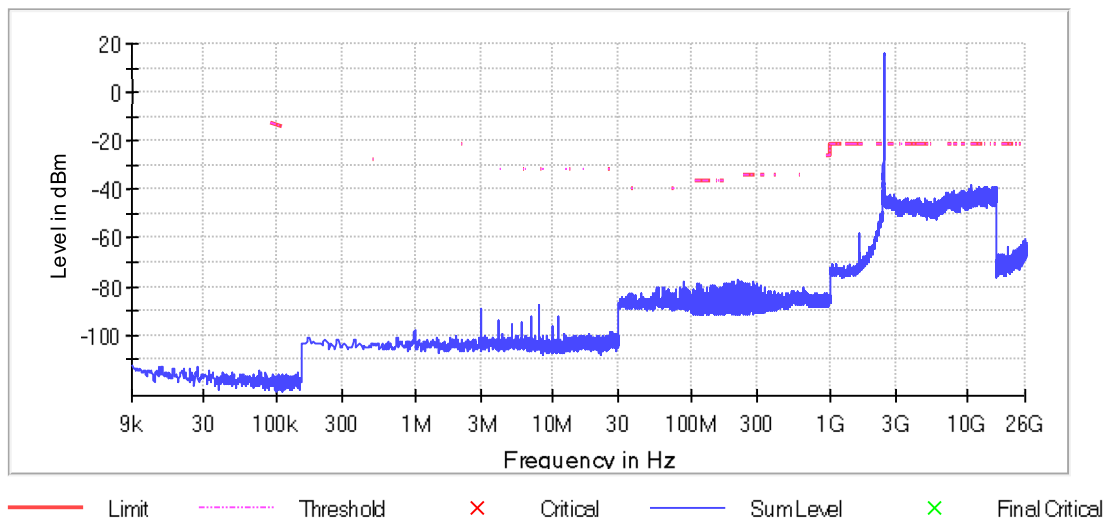


Middle channel WLAN 802.11b, BW 20MHz, 2 Mbps



High channel WLAN 802.11b, BW 20MHz, 2 Mbps

Restricted Band



Pre Measurements, low channel WLAN 802.11g, BW 20MHz, 6 Mbps

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2387.495534	-36.5	15.3	-21.2
2388.996070	-36.6	15.4	-21.2
2389.496249	-36.7	15.5	-21.2
2389.996427	-37.0	15.8	-21.2
2387.995713	-37.2	16.0	-21.2
2388.495891	-37.5	16.3	-21.2
2385.994998	-39.5	18.3	-21.2
2386.495177	-39.7	18.5	-21.2
2382.493748	-40.0	18.8	-21.2
2386.995355	-40.1	18.9	-21.2
2380.493033	-40.2	19.0	-21.2
2385.494820	-40.4	19.2	-21.2
2384.494462	-40.5	19.3	-21.2
2376.991783	-40.5	19.3	-21.2
2379.992855	-40.5	19.3	-21.2

Pre Measurements, middle channel WLAN 802.11g, BW 20MHz, 6 Mbps

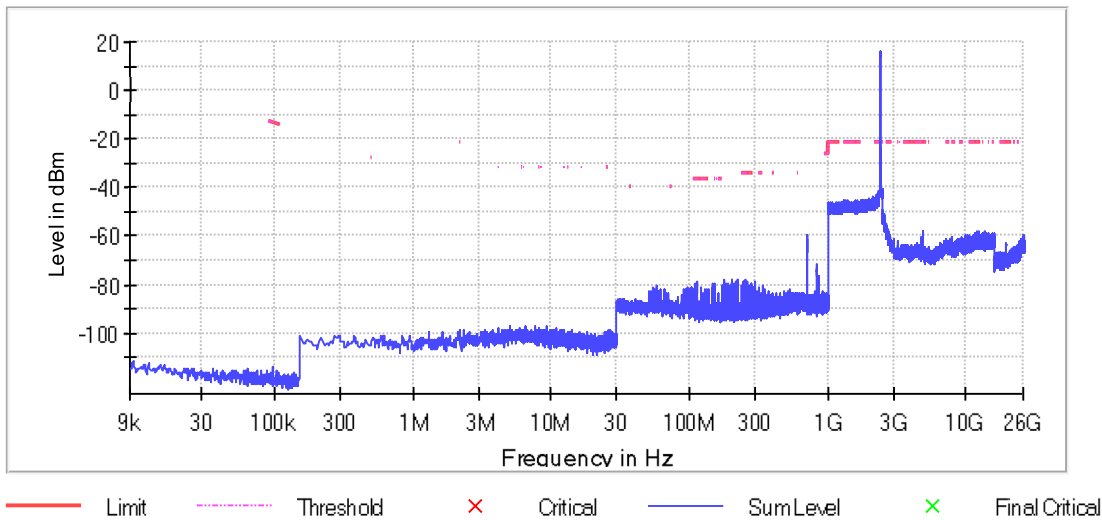
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2483.500000	-37.0	15.8	-21.2
2484.500037	-38.0	16.8	-21.2
2485.000055	-38.0	16.8	-21.2
2491.000277	-39.5	18.3	-21.2
2487.500148	-40.8	19.6	-21.2
2484.000018	-41.1	19.9	-21.2
2490.000240	-41.8	20.6	-21.2
2389.496249	-41.9	20.7	-21.2
2388.996070	-41.9	20.7	-21.2
2486.500111	-42.0	20.8	-21.2
2486.000092	-42.1	20.9	-21.2
2489.500222	-42.1	20.9	-21.2
2490.500259	-42.1	20.9	-21.2
2386.995355	-42.2	21.0	-21.2
2387.495534	-42.3	21.1	-21.2

Pre Measurements, top channel WLAN 802.11g, BW 20MHz, 6 Mbps

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2486.500111	-26.9	5.7	-21.2
2487.500148	-28.1	6.9	-21.2
2487.000129	-28.4	7.2	-21.2
2483.500000	-32.1	10.9	-21.2
2484.500037	-33.6	12.4	-21.2
2485.000055	-35.0	13.8	-21.2
2485.500074	-35.5	14.3	-21.2
2494.000388	-35.9	14.7	-21.2
2489.000203	-36.2	15.0	-21.2
2484.000018	-37.0	15.8	-21.2
2486.000092	-37.2	16.0	-21.2
2488.000166	-37.4	16.2	-21.2
2493.500370	-37.8	16.6	-21.2
2490.500259	-37.9	16.7	-21.2
2493.000351	-38.1	16.9	-21.2

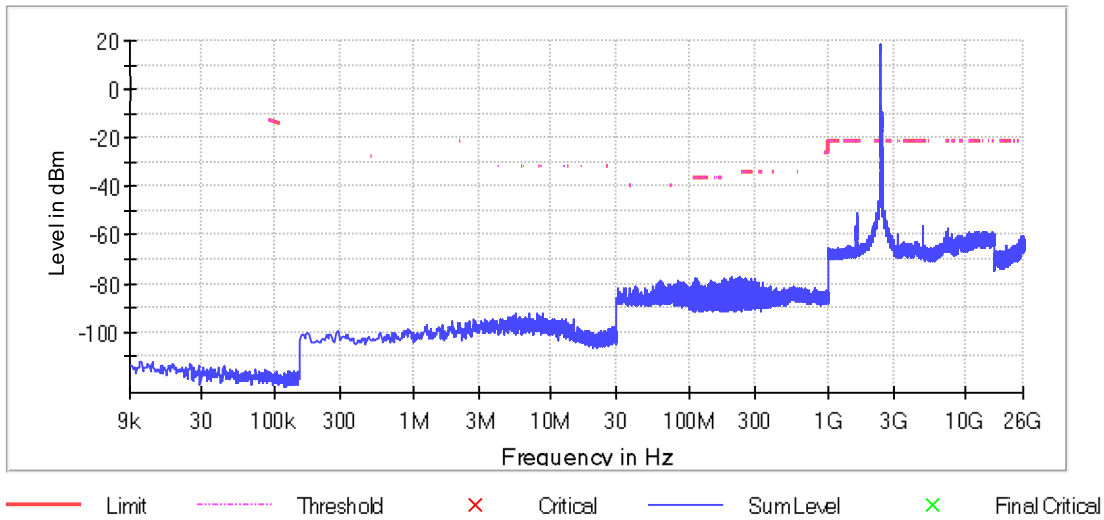
Low channel WLAN 802.11g, BW 20MHz, 6 Mbps

Restricted Band



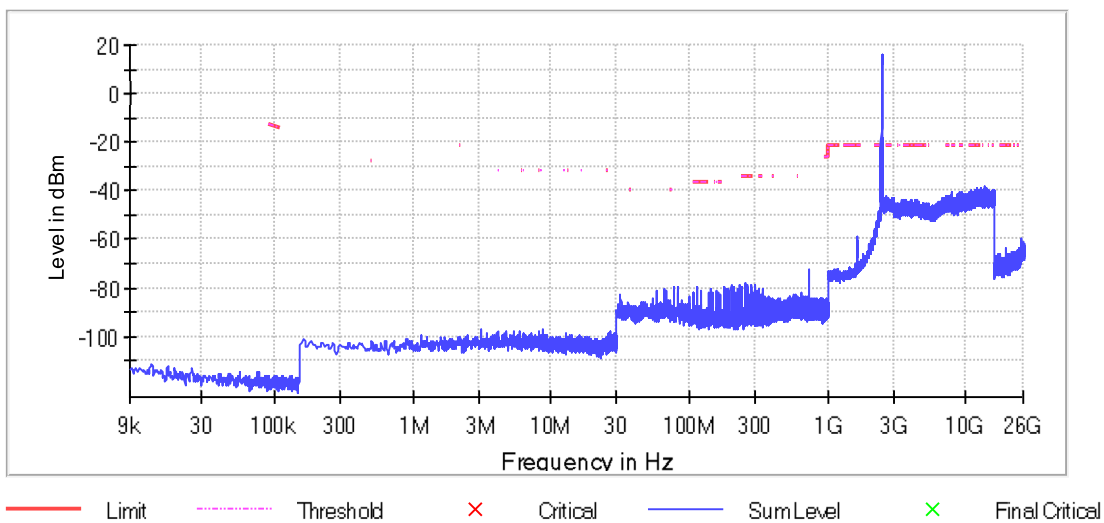
Middle channel WLAN 802.11g, BW 20MHz, 6 Mbps

Restricted Band



High channel WLAN 802.11g, BW 20MHz, 6 Mbps

Restricted Band





## Pre Measurements, low channel WLAN 802.11n, BW 20MHz, MCS0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2388.996070	-24.5	3.3	-21.2
2388.495891	-25.8	4.6	-21.2
2382.993926	-33.7	12.5	-21.2
2389.496249	-34.4	13.2	-21.2
2389.996427	-34.6	13.4	-21.2
2387.995713	-35.9	14.7	-21.2
2386.995355	-36.3	15.1	-21.2
2385.494820	-36.9	15.7	-21.2
2384.994641	-36.9	15.7	-21.2
2386.495177	-37.0	15.8	-21.2
2387.495534	-37.8	16.6	-21.2
2385.994998	-37.9	16.7	-21.2
2383.494105	-38.5	17.3	-21.2
2379.492676	-38.7	17.5	-21.2
2382.493748	-38.7	17.5	-21.2

## Pre Measurements, middle channel WLAN 802.11n, BW 20MHz, MCS0

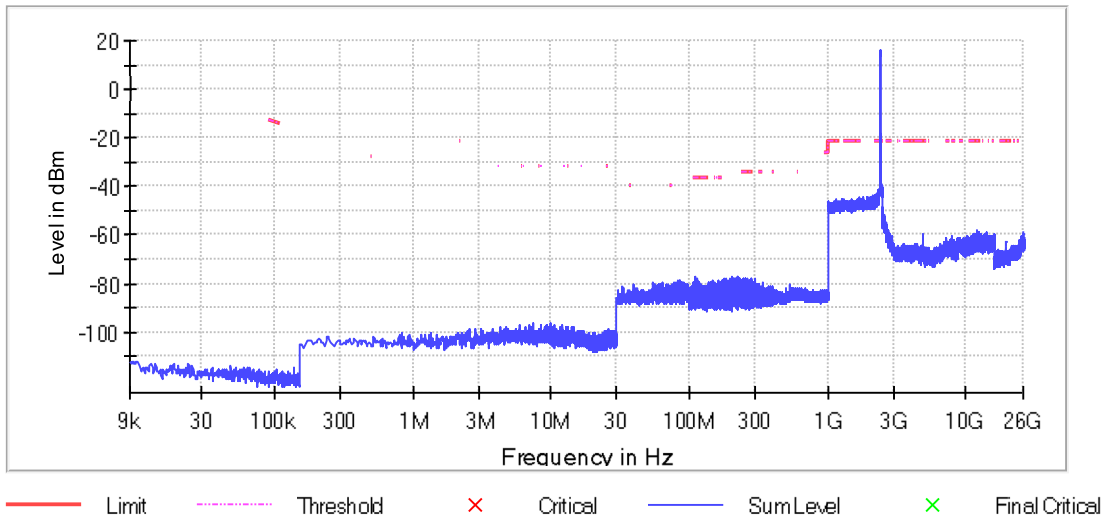
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2483.500000	-39.3	18.1	-21.2
2386.995355	-40.8	19.6	-21.2
2499.500592	-42.2	21.0	-21.2
2486.000092	-43.7	22.5	-21.2
2485.000055	-43.9	22.7	-21.2
2485.500074	-44.0	22.8	-21.2
2490.500259	-44.0	22.8	-21.2
2490.000240	-44.1	22.9	-21.2
2499.000573	-44.4	23.2	-21.2
2388.495891	-44.6	23.4	-21.2
2484.000018	-44.6	23.4	-21.2
2486.500111	-45.0	23.8	-21.2
2494.000388	-45.1	23.9	-21.2
2492.000314	-45.4	24.2	-21.2
2489.000203	-45.6	24.4	-21.2

## Pre Measurements, top channel WLAN 802.11n, BW 20MHz, MCS0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2483.500000	-28.5	7.3	-21.2
2487.000129	-32.1	10.9	-21.2
2486.500111	-32.5	11.3	-21.2
2484.000018	-33.4	12.2	-21.2
2484.500037	-34.3	13.1	-21.2
2487.500148	-35.3	14.1	-21.2
2485.000055	-36.0	14.8	-21.2
2486.000092	-37.6	16.4	-21.2
2498.500555	-37.8	16.6	-21.2
2498.000536	-38.3	17.1	-21.2
2492.000314	-38.3	17.1	-21.2
2489.000203	-38.7	17.5	-21.2
15946.498021	-39.1	17.9	-21.2
12084.355153	-39.1	17.9	-21.2
12158.357891	-39.1	17.9	-21.2

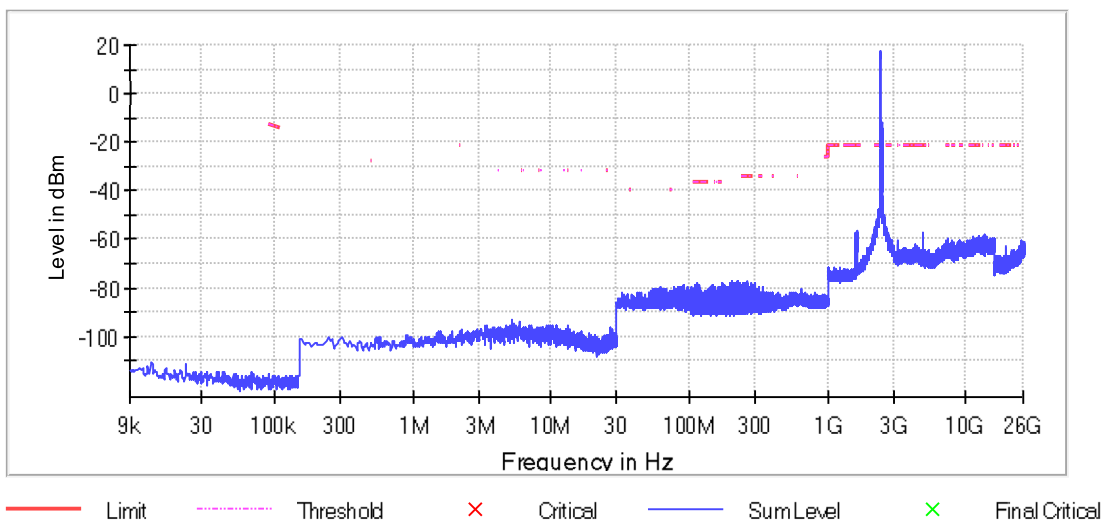
Low channel WLAN 802.11n, BW 20MHz, MCS0

Restricted Band



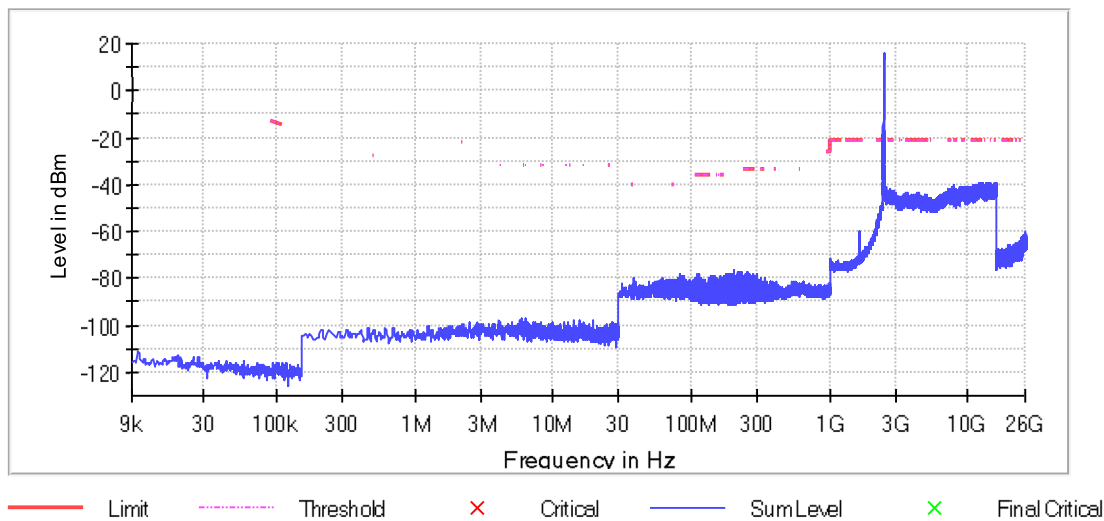
Middle channel WLAN 802.11n, BW 20MHz, MCS0

Restricted Band



High channel WLAN 802.11n, BW 20MHz, MCS0

Restricted Band



Pre Measurements, low channel WLAN 802.11ax HE-SU, BW 20MHz, MCS0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2386.995355	-25.3	4.1	-21.2
2386.495177	-25.3	4.1	-21.2
2389.496249	-28.4	7.2	-21.2
2388.996070	-29.6	8.4	-21.2
2384.494462	-29.8	8.6	-21.2
2389.996427	-31.2	10.0	-21.2
2388.495891	-32.9	11.7	-21.2
2385.494820	-33.0	11.8	-21.2
2382.993926	-33.1	11.9	-21.2
2379.492676	-33.3	12.1	-21.2
2384.994641	-33.4	12.2	-21.2
2385.994998	-33.4	12.2	-21.2
2379.992855	-34.4	13.2	-21.2
2371.489818	-34.6	13.4	-21.2
2387.995713	-34.6	13.4	-21.2

Pre Measurements, middle channel WLAN 802.11ax HE-SU, BW 20MHz, MCS0

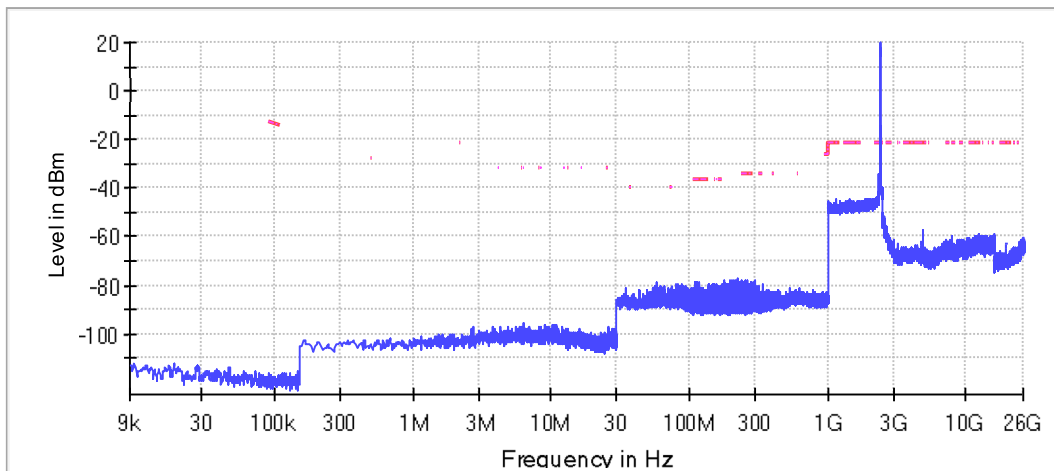
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2485.000055	-36.3	15.1	-21.2
2483.500000	-38.2	17.0	-21.2
2487.000129	-38.3	17.1	-21.2
2389.996427	-39.0	17.8	-21.2
2389.496249	-39.1	17.9	-21.2
2488.000166	-39.2	18.0	-21.2
2489.000203	-39.5	18.3	-21.2
2490.000240	-39.7	18.5	-21.2
2493.000351	-39.8	18.6	-21.2
2488.500185	-40.3	19.1	-21.2
2485.500074	-40.4	19.2	-21.2
2484.000018	-40.5	19.3	-21.2
2490.500259	-40.6	19.4	-21.2
2484.500037	-40.8	19.6	-21.2

Pre Measurements, top channel WLAN 802.11ax HE-SU, BW 20MHz, MCS0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2483.500000	-22.0	0.8	-21.2
2488.500185	-31.6	10.4	-21.2
2490.500259	-32.0	10.8	-21.2
2484.500037	-32.4	11.2	-21.2
2494.000388	-32.7	11.5	-21.2
2485.500074	-33.1	11.9	-21.2
2493.000351	-33.9	12.7	-21.2
2492.500333	-34.0	12.8	-21.2
2489.500222	-34.3	13.1	-21.2
2488.000166	-34.3	13.1	-21.2
2491.000277	-34.5	13.3	-21.2
2489.000203	-35.3	14.1	-21.2
2484.000018	-35.5	14.3	-21.2
2492.000314	-36.0	14.8	-21.2
2486.500111	-36.5	15.3	-21.2

Low channel WLAN 802.11ax HE-SU, BW 20MHz, MCS0

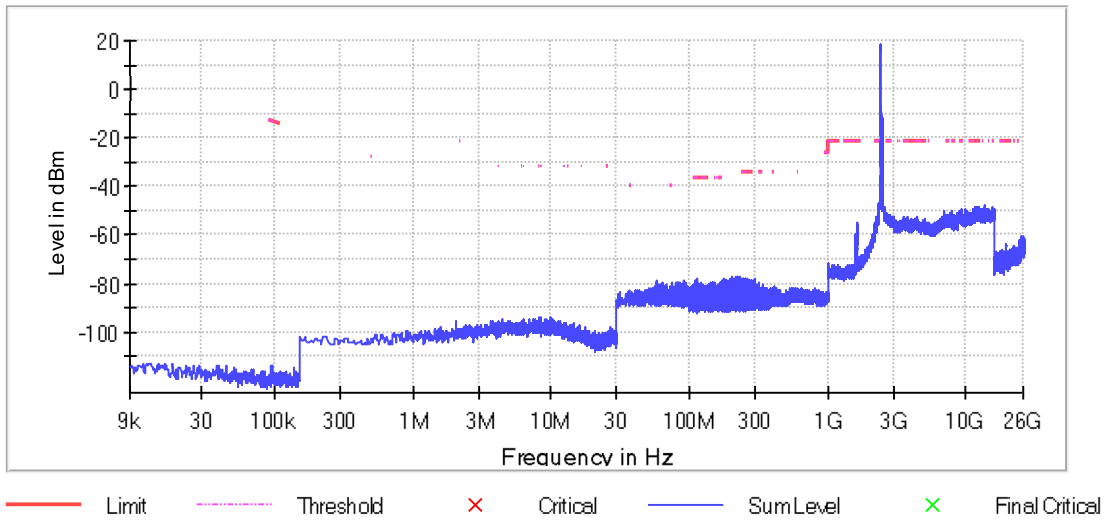
Restricted Band



— Limit    - - - - Threshold    × Critical    — SumLevel    × FinalCritical

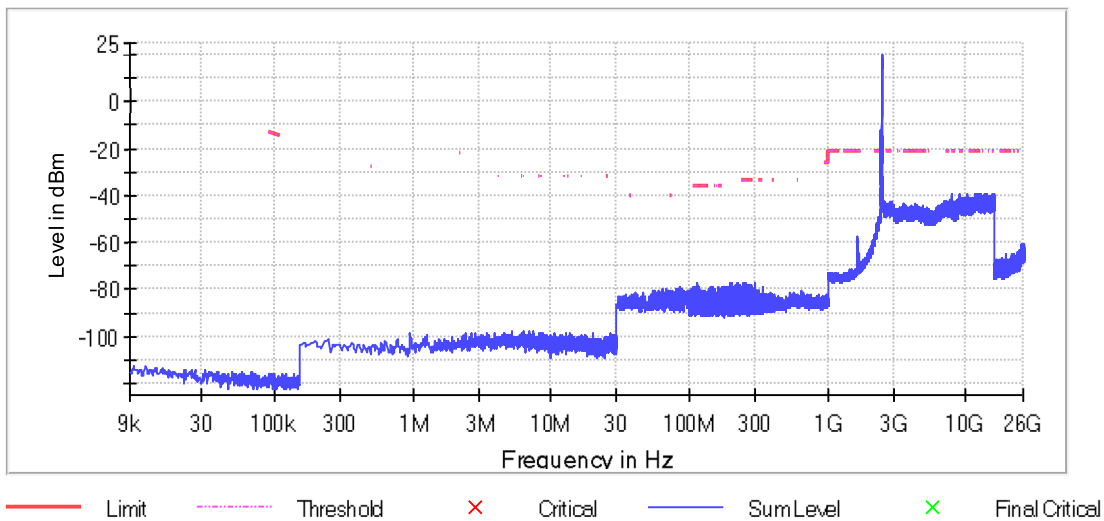
Middle channel WLAN 802.11ax HE-SU, BW 20MHz, MCS0

Restricted Band



High channel WLAN 802.11ax HE-SU, BW 20MHz, MCS0

Restricted Band



## Pre Measurements, low channel WLAN 802.11ax HE-TB full RU, BW 20MHz, MCS0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2388.495891	-39.7	18.5	-21.2
2384.494462	-40.7	19.5	-21.2
2384.994641	-41.0	19.8	-21.2
2387.995713	-41.1	19.9	-21.2
2369.489103	-41.1	19.9	-21.2
2389.496249	-41.2	20.0	-21.2
2388.996070	-41.3	20.1	-21.2
2378.992497	-41.6	20.4	-21.2
2343.979993	-41.6	20.4	-21.2
2389.996427	-41.8	20.6	-21.2
2385.494820	-42.0	20.8	-21.2
2346.981065	-42.1	20.9	-21.2
2387.495534	-42.2	21.0	-21.2
2386.495177	-42.2	21.0	-21.2
2386.995355	-42.3	21.1	-21.2

## Pre Measurements, middle channel WLAN 802.11ax HE-TB full RU, BW 20MHz, MCS0

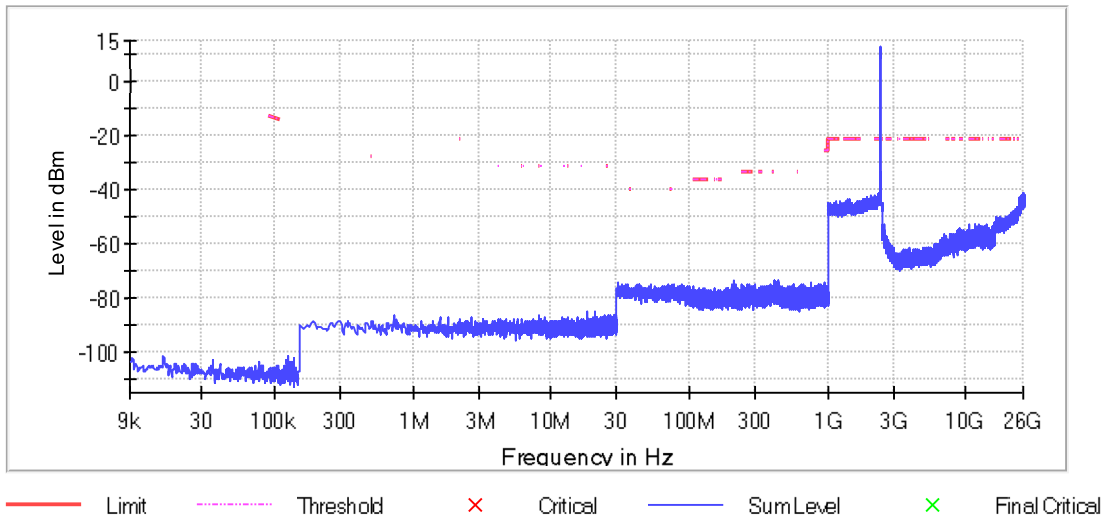
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
23752.387619	-45.0	23.8	-21.2
23738.386919	-45.5	24.3	-21.2
23737.886894	-46.0	24.8	-21.2
23987.899395	-46.2	25.0	-21.2
23910.395520	-46.2	25.0	-21.2
2483.500000	-46.2	25.0	-21.2
23895.894795	-46.2	25.0	-21.2
23772.888644	-46.2	25.0	-21.2
23776.388819	-46.6	25.4	-21.2
23989.899495	-46.6	25.4	-21.2
22476.323816	-46.7	25.5	-21.2
23794.389719	-46.7	25.5	-21.2
23737.386869	-46.7	25.5	-21.2
23971.898595	-46.8	25.6	-21.2
23846.392320	-46.8	25.6	-21.2

## Pre Measurements, top channel WLAN 802.11ax HE-TB full RU, BW 20MHz, MCS0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
12007.352305	-32.7	11.5	-21.2
11132.319936	-33.0	11.8	-21.2
2483.500000	-33.0	11.8	-21.2
12025.852989	-33.1	11.9	-21.2
11672.339912	-33.1	11.9	-21.2
12026.353008	-33.2	12.0	-21.2
12131.356892	-33.2	12.0	-21.2
15544.983168	-33.3	12.1	-21.2
12068.854580	-33.3	12.1	-21.2
12467.369322	-33.3	12.1	-21.2
12110.856133	-33.3	12.1	-21.2
11132.819954	-33.3	12.1	-21.2
10671.302882	-33.4	12.2	-21.2
13334.901413	-33.4	12.2	-21.2
12173.858464	-33.4	12.2	-21.2

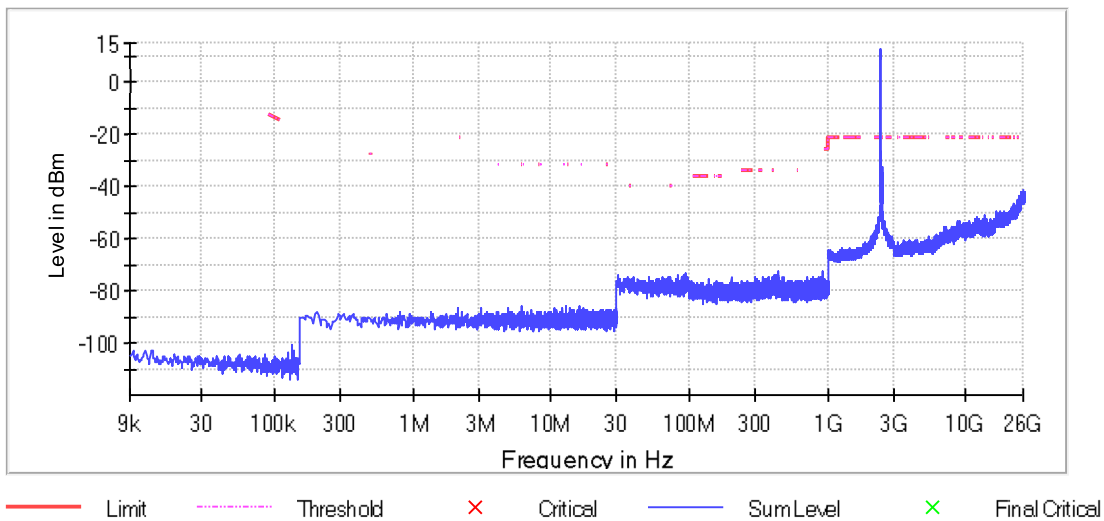
Low channel WLAN 802.11ax HE-TB full RU, BW 20MHz, MCS0

Restricted Band



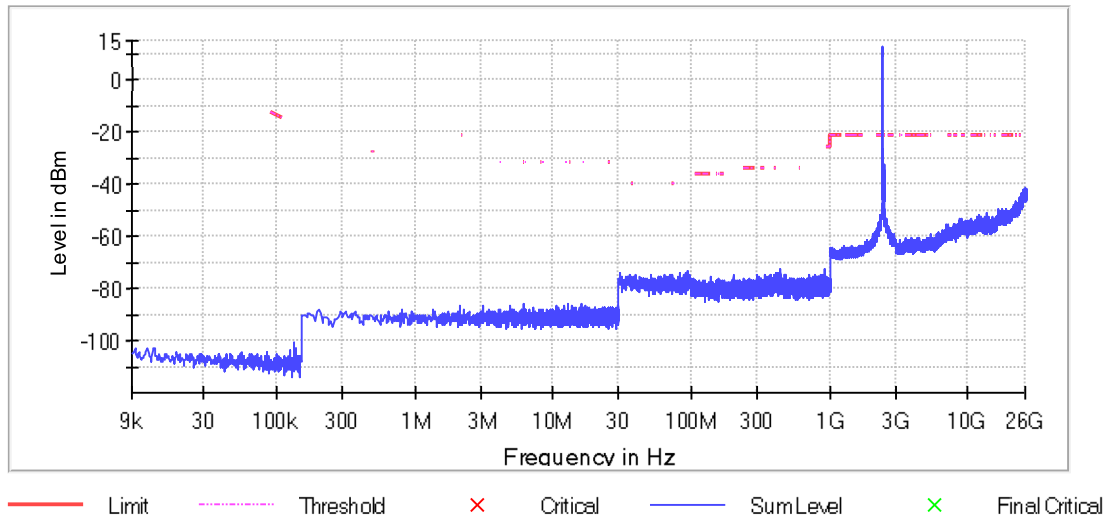
Middle channel WLAN 802.11ax HE-TB full RU, BW 20MHz, MCS0

Restricted Band



High channel WLAN 802.11ax HE-TB full RU, BW 20MHz, MCS0

Restricted Band



Pre Measurements, low channel WLAN 802.11n, BW 40MHz, MCS5

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2389.496249	-30.3	9.1	-21.2
2372.990354	-31.5	10.3	-21.2
2382.993926	-31.6	10.4	-21.2
2388.996070	-31.7	10.5	-21.2
2383.494105	-31.8	10.6	-21.2
2387.995713	-32.5	11.3	-21.2
2387.495534	-32.6	11.4	-21.2
2388.495891	-33.1	11.9	-21.2
2374.490890	-33.4	12.2	-21.2
2380.993212	-34.3	13.1	-21.2
2384.494462	-34.4	13.2	-21.2
2367.988567	-34.5	13.3	-21.2
2377.491961	-34.7	13.5	-21.2
2367.488389	-34.9	13.7	-21.2
2389.996427	-35.1	13.9	-21.2

Pre Measurements, middle channel WLAN 802.11n, BW 40MHz, MCS5

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2388.996070	-23.0	1.8	-21.2
2389.496249	-25.1	3.9	-21.2
2483.500000	-26.6	5.4	-21.2
2383.994284	-27.1	5.9	-21.2
2382.493748	-27.7	6.5	-21.2
2384.494462	-27.9	6.7	-21.2
2386.995355	-28.6	7.4	-21.2
2389.996427	-28.7	7.5	-21.2
2386.495177	-30.1	8.9	-21.2
2383.494105	-30.4	9.2	-21.2
2385.494820	-30.4	9.2	-21.2
2384.994641	-30.4	9.2	-21.2
2381.993569	-30.9	9.7	-21.2
2382.993926	-31.0	9.8	-21.2
2379.492676	-32.1	10.9	-21.2

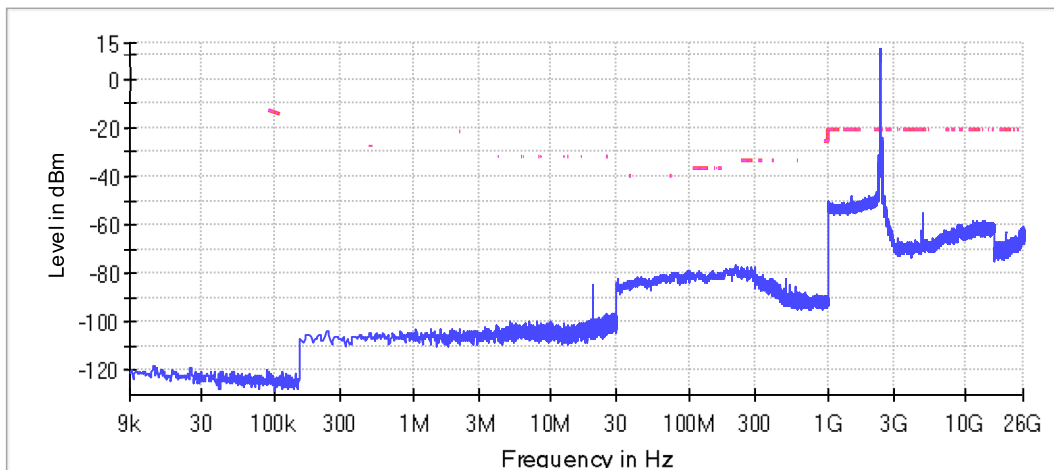


Pre Measurements, top channel WLAN 802.11n, BW 40MHz, MCS5

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2488.000166	-25.8	4.6	-21.2
2483.500000	-26.4	5.2	-21.2
2484.500037	-26.7	5.5	-21.2
2487.500148	-27.0	5.8	-21.2
2484.000018	-27.1	5.9	-21.2
2487.000129	-27.5	6.3	-21.2
2493.500370	-27.7	6.5	-21.2
12543.872152	-27.9	6.7	-21.2
2488.500185	-28.0	6.8	-21.2
2485.000055	-28.1	6.9	-21.2
10712.304398	-28.2	7.0	-21.2
12076.854876	-28.2	7.0	-21.2
2489.500222	-28.2	7.0	-21.2
15947.498058	-28.3	7.1	-21.2
12050.353895	-28.3	7.1	-21.2

Low channel WLAN 802.11n, BW 40MHz, MCS5

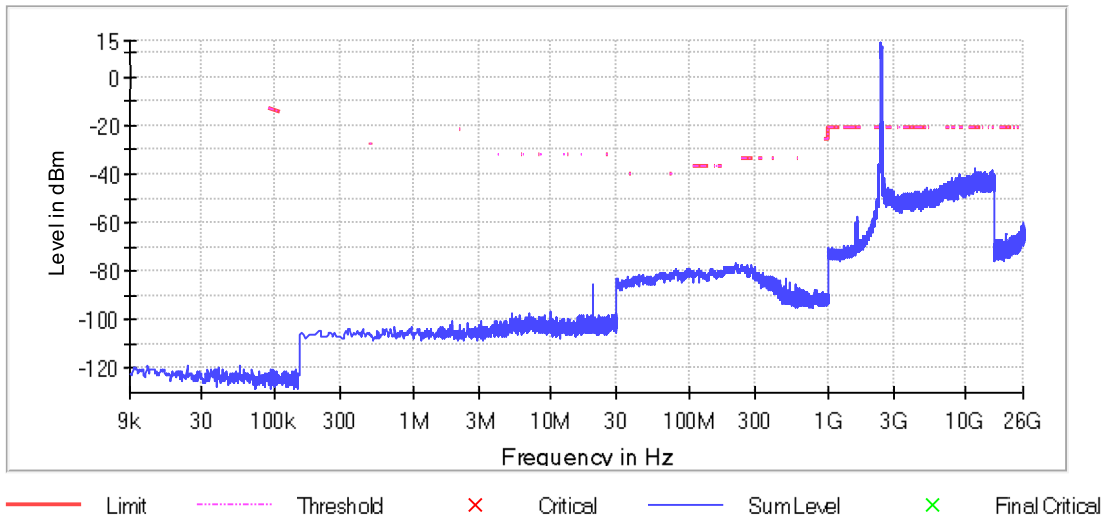
Restricted Band



— Limit    
 - - - Threshold    
 × Critical    
 — SumLevel    
 × FinalCritical

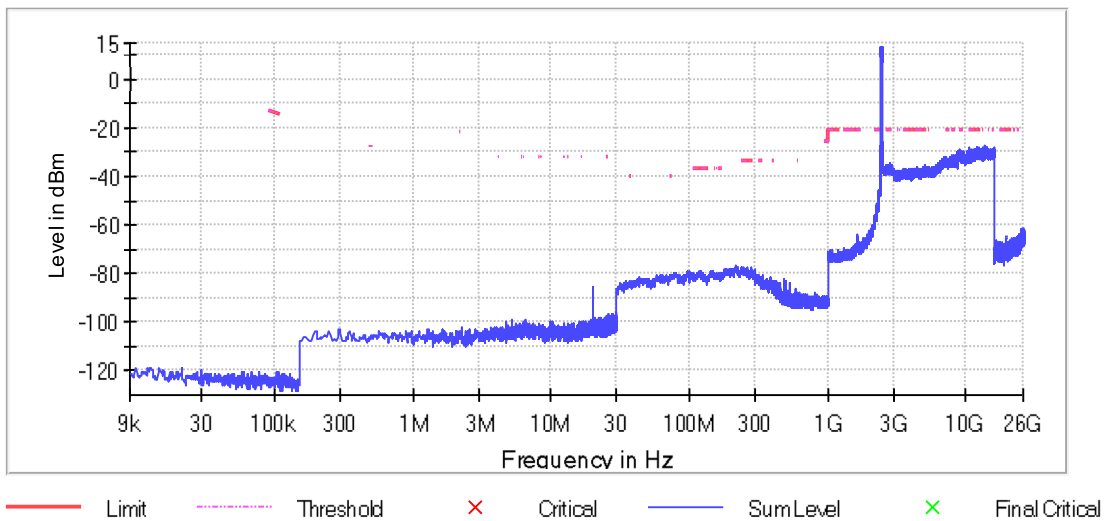
Middle channel WLAN 802.11n, BW 40MHz, MCS5

Restricted Band



High channel WLAN 802.11n, BW 40MHz, MCS5

Restricted Band



Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2374.490890	-30.3	9.1	-21.2
2376.491604	-32.4	11.2	-21.2
2388.996070	-32.5	11.3	-21.2
2386.495177	-32.7	11.5	-21.2
2386.995355	-32.7	11.5	-21.2
2378.492319	-32.9	11.7	-21.2
2378.992497	-33.1	11.9	-21.2
2376.991783	-33.1	11.9	-21.2
2385.994998	-33.1	11.9	-21.2
2388.495891	-33.1	11.9	-21.2
2382.993926	-33.2	12.0	-21.2
2384.494462	-33.2	12.0	-21.2
2383.994284	-33.4	12.2	-21.2
2387.495534	-33.5	12.3	-21.2
2373.990711	-33.7	12.5	-21.2

Pre Measurements, middle channel WLAN 802.11ax HE-SU, BW 40MHz, MCS0

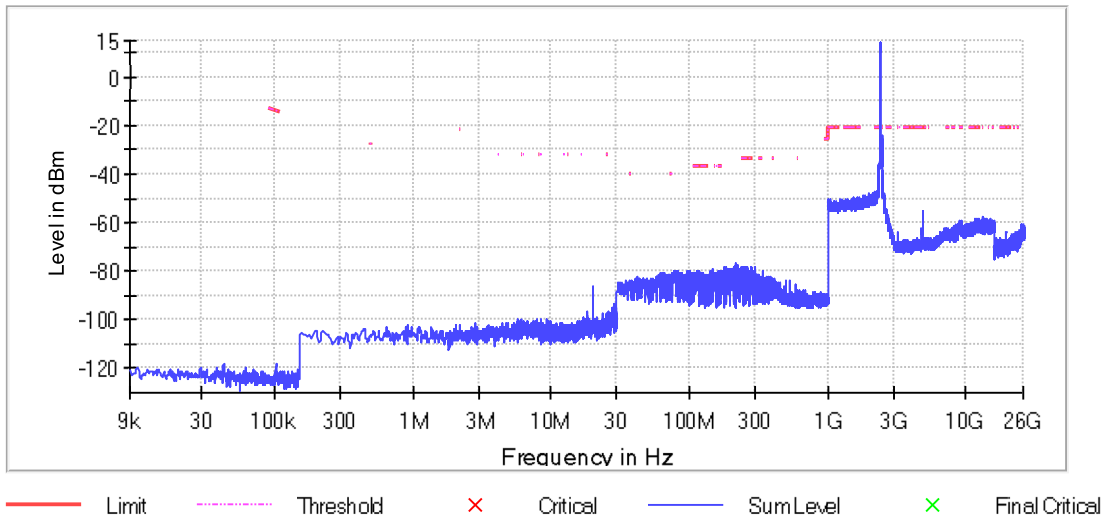
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2483.500000	-27.3	6.1	-21.2
2388.495891	-27.8	6.6	-21.2
2386.495177	-27.8	6.6	-21.2
2389.996427	-27.9	6.7	-21.2
2387.495534	-28.3	7.1	-21.2
2383.494105	-28.4	7.2	-21.2
2389.496249	-28.9	7.7	-21.2
2382.993926	-29.1	7.9	-21.2
2385.994998	-29.1	7.9	-21.2
2387.995713	-29.2	8.0	-21.2
2388.996070	-29.3	8.1	-21.2
2384.494462	-29.5	8.3	-21.2
2386.995355	-30.0	8.8	-21.2
2384.994641	-30.5	9.3	-21.2
2379.992855	-30.7	9.5	-21.2

Pre Measurements, top channel WLAN 802.11ax HE-SU, BW 40MHz, MCS0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2489.000203	-27.8	6.6	-21.2
11670.339838	-28.1	6.9	-21.2
12068.354561	-28.4	7.2	-21.2
11946.350048	-28.5	7.3	-21.2
12067.854543	-28.5	7.3	-21.2
12035.853359	-28.6	7.4	-21.2
12121.856540	-28.6	7.4	-21.2
12543.372133	-28.6	7.4	-21.2
12036.353377	-28.6	7.4	-21.2
12116.856355	-28.7	7.5	-21.2
12175.858538	-28.7	7.5	-21.2
11631.838414	-28.9	7.7	-21.2
11692.340652	-29.0	7.8	-21.2
12521.871338	-29.0	7.8	-21.2
12029.853137	-29.1	7.9	-21.2

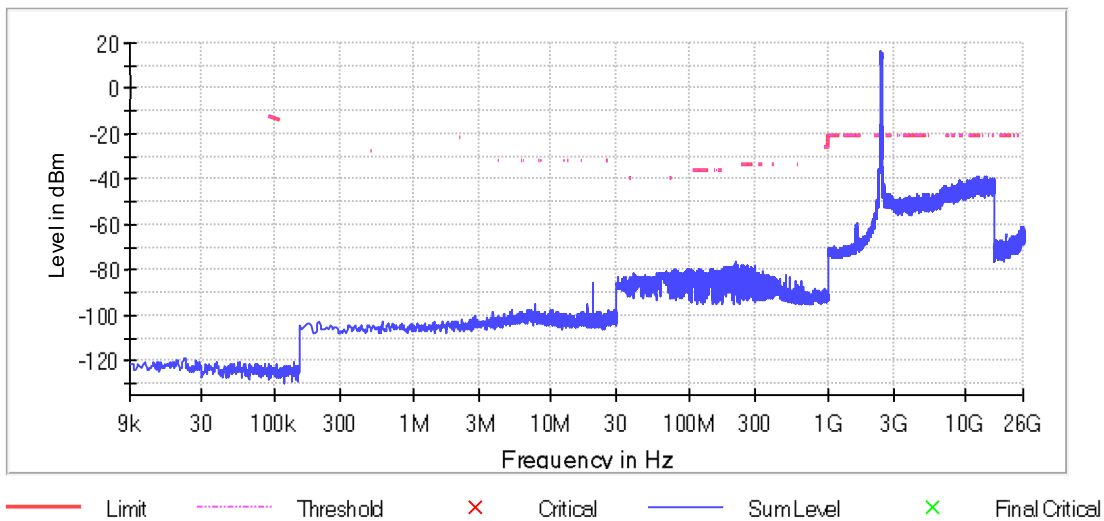
Low channel WLAN 802.11ax HE-SU, BW 40MHz, MCS0

Restricted Band



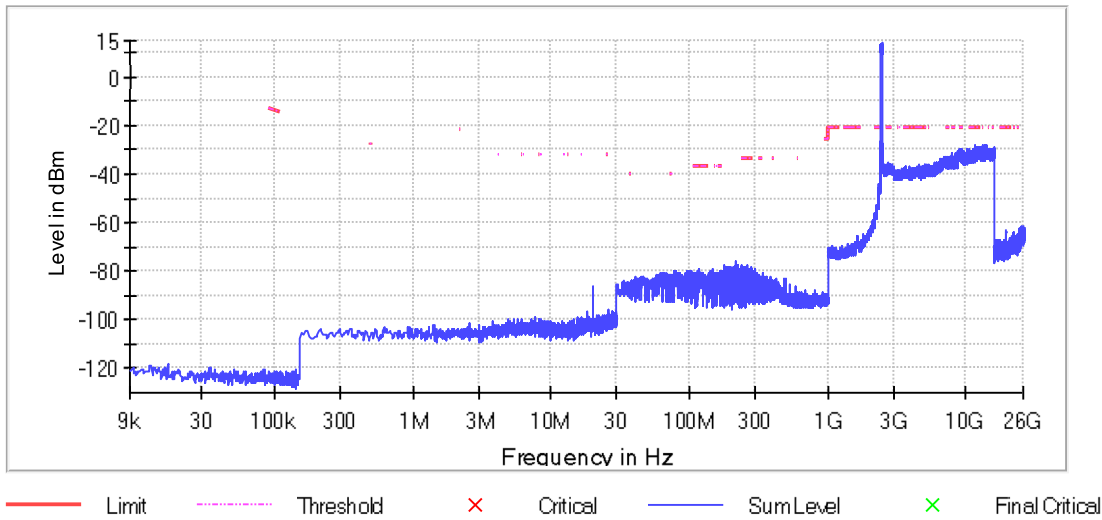
Middle channel WLAN 802.11ax HE-SU, BW 40MHz, MCS0

Restricted Band



High channel WLAN 802.11ax HE-SU, BW 40MHz, MCS0

Restricted Band



Pre Measurements, low channel WLAN 802.11ax HE-TB full RU, BW 40MHz, MCS0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2382.993926	-30.2	9.0	-21.2
2384.994641	-30.4	9.2	-21.2
2383.494105	-30.6	9.4	-21.2
2384.494462	-32.0	10.8	-21.2
2383.994284	-38.6	17.4	-21.2
2373.490532	-39.4	18.2	-21.2
2374.490890	-39.5	18.3	-21.2
2373.990711	-40.2	19.0	-21.2
2372.990354	-40.4	19.2	-21.2
2358.485173	-41.1	19.9	-21.2
2385.994998	-41.4	20.2	-21.2
2381.993569	-42.2	21.0	-21.2
2354.483744	-42.2	21.0	-21.2
2354.983923	-42.3	21.1	-21.2
2386.995355	-42.9	21.7	-21.2

Pre Measurements, middle channel WLAN 802.11ax HE-TB full RU, BW 40MHz, MCS0

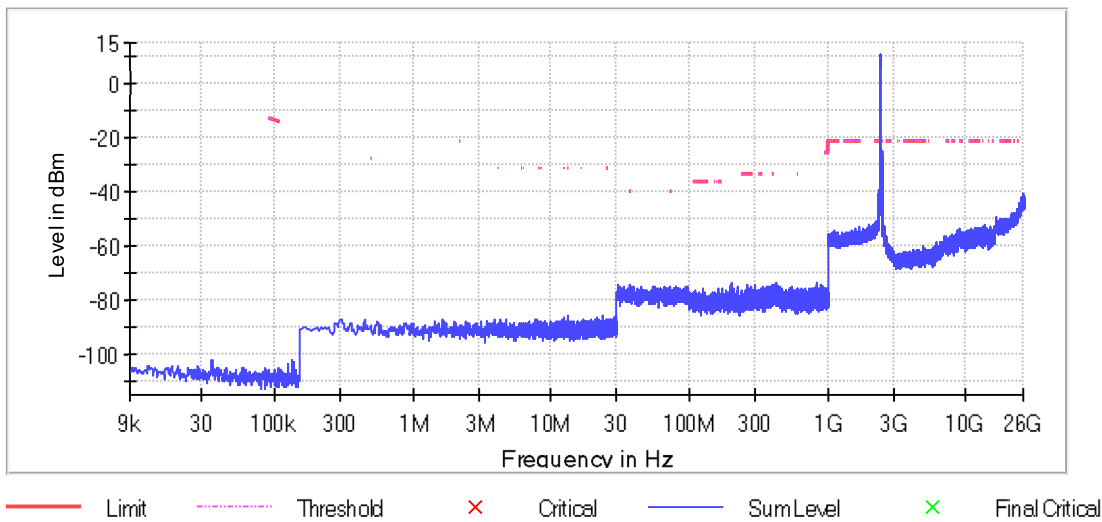
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2376.991783	-39.2	18.0	-21.2
2485.000055	-39.3	18.1	-21.2
2378.492319	-39.4	18.2	-21.2
2389.996427	-39.5	18.3	-21.2
2483.500000	-40.0	18.8	-21.2
2388.996070	-40.7	19.5	-21.2
2484.500037	-40.9	19.7	-21.2
2485.500074	-41.2	20.0	-21.2
12609.374575	-41.7	20.5	-21.2
2497.500518	-41.8	20.6	-21.2
2385.994998	-42.1	20.9	-21.2
2498.000536	-42.1	20.9	-21.2
12504.370690	-42.1	20.9	-21.2
2366.988210	-42.3	21.1	-21.2
12169.358298	-42.4	21.2	-21.2

Pre Measurements, top channel WLAN 802.11ax HE-TB full RU, BW 40MHz, MCS0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
2488.500185	-24.5	3.3	-21.2
2489.500222	-25.7	4.5	-21.2
2489.000203	-26.9	5.7	-21.2
12541.872078	-32.5	11.3	-21.2
12537.371911	-32.7	11.5	-21.2
15654.987237	-33.0	11.8	-21.2
12542.372096	-33.0	11.8	-21.2
15779.991861	-33.1	11.9	-21.2
15637.486590	-33.4	12.2	-21.2
12599.374205	-33.5	12.3	-21.2
12222.360258	-33.5	12.3	-21.2
12063.354376	-33.5	12.3	-21.2
15636.986571	-33.6	12.4	-21.2
12125.856688	-33.6	12.4	-21.2
15939.997780	-33.6	12.4	-21.2

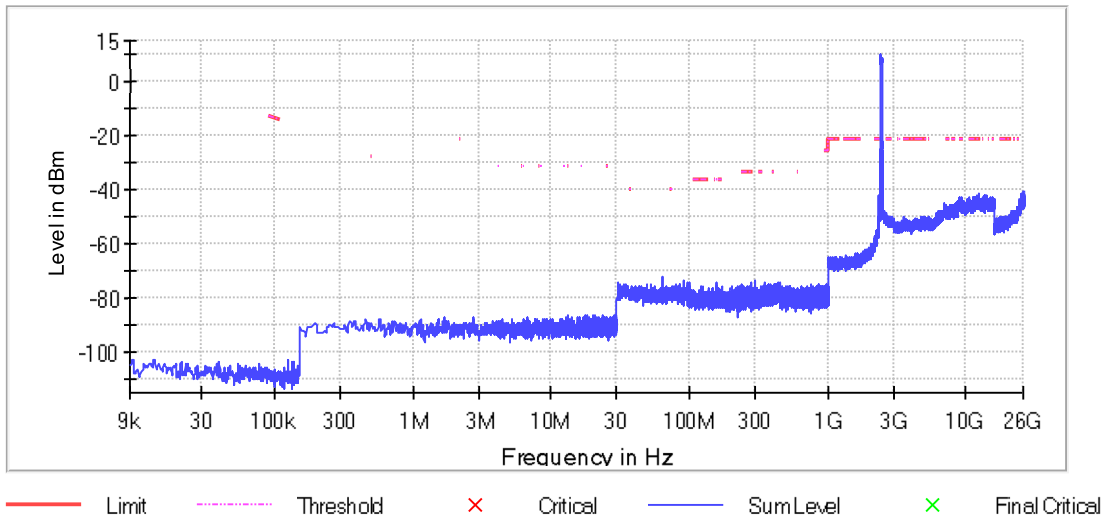
Low channel WLAN 802.11ax HE-TB full RU, BW 40MHz, MCS0

Restricted Band



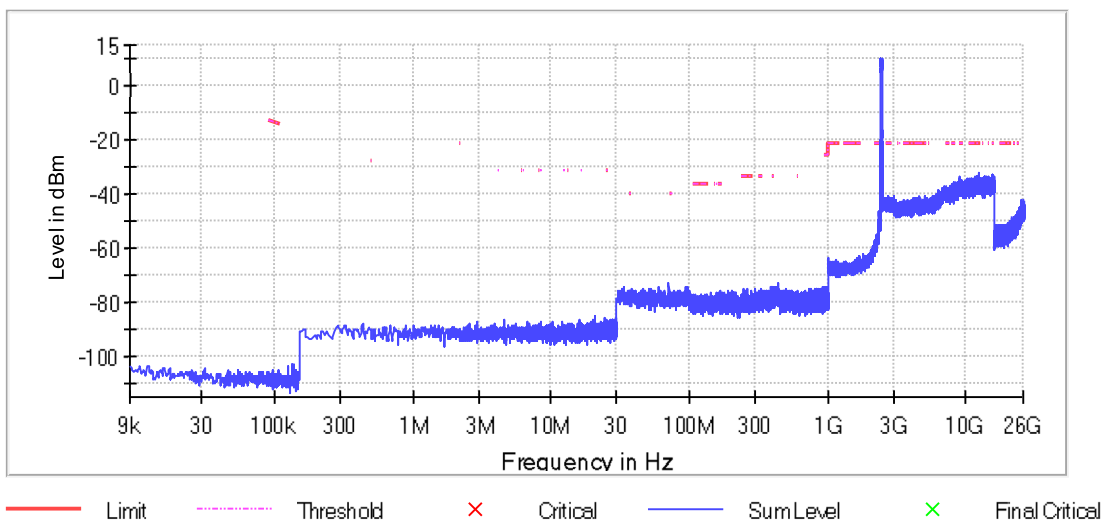
Middle channel WLAN 802.11ax HE-TB full RU, BW 40MHz, MCS0

Restricted Band



High channel WLAN 802.11ax HE-TB full RU, BW 40MHz, MCS0

Restricted Band



## 19. Tx spurious emissions, radiated

Reference: FCC §15.247(d), FCC §15.209, ISED RSS-Gen Issue 5 A2 (section 6.13)

Test method: KDB 558074 D01 DTS Meas Guidance v05r02 8.5 and ANSI C63.10-2013 (6.4, 6.5, 6.6 & 11.12)

Specification: Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)/RSS-Gen):

Limits				
Frequency range (MHz)	Detector	Field strength (uV/m)	Field strength (dBuV/m)	Measurement distance (m)
0.009 – 0.09	Average	2400/F(kHz)	-	300
0.09 – 0.110	Quasi-Peak	2400/F(kHz)	-	300
0.110 – 0.490	Average	2400/F(kHz)	-	300
0.490 – 1.705	Quasi-Peak	24000/F(kHz)	-	30
1.705 – 30.0	Quasi-Peak	30	-	30
30 - 88	Quasi-Peak	100	40	3
88 – 216	Quasi-Peak	150	43.5	3
216 – 960	Quasi-Peak	200	46	3
960 - 1000	Quasi-Peak	500	54	3
>1000	Average	500	54	3

### Test procedure 30 MHz -1 GHz

1. EUT is placed on a non conducting support at the center of a turn table 0.8m above the ground
2. EUT set to test mode
3. The receiver is set to peak detection with max hold
4. The EUT is rotated through 360 degrees (orientation varied), measurements were made in both horizontal and vertical planes of polarization
5. Found peak values were further maximized by adjusting turntable position  $\pm 22,5$  degrees around detected value and scanning the antenna height 1 to 4m
6. For maximized values, final measurement was done with the corresponding final detector.

### Test procedure > 1 GHz

1. EUT is placed on a non conducting support at the center of a turn table 1.5m above the ground
2. EUT set to test mode
3. The receiver is set to peak detection with max hold
4. The EUT is rotated through 360 degrees (orientation varied), measurements were made in both horizontal and vertical planes of polarization.
5. Found peak values were further maximized by adjusting turntable position  $\pm 22,5$  degrees around detected value and scanning the antenna height 1 to 4m
6. For maximized values, final measurement was done with the corresponding final detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table is specified when measuring with peak detector function. RSS-247: Attenuation below the general field strength limits specified in RSS-Gen is not required.

The field strength is calculated by adding correction factor to the measured level from the spectrum analyzer. This correction factor includes antenna factor, cable loss and pre-amplifiers gain.



Operation mode(s)	Configuration	Test Verdict
WLAN 802.11b, BW 20MHz, 2 Mbps	3938ER005 + 3938ER008. Low channel 1, 2412 MHz	PASS
WLAN 802.11b, BW 20MHz, 2 Mbps	3938ER005 + 3938ER008. Mid channel 6, 2437 MHz	PASS
WLAN 802.11b, BW 20MHz, 2 Mbps	3938ER005 + 3938ER008. High channel 11, 2462 MHz	PASS
WLAN 802.11g, BW 20MHz, 6 Mbps	3938ER005 + 3938ER008. Low channel 1, 2412 MHz	PASS
WLAN 802.11g, BW 20MHz, 6 Mbps	3938ER005 + 3938ER008. Mid channel 6, 2437 MHz	PASS
WLAN 802.11g, BW 20MHz, 6 Mbps	3938ER005 + 3938ER008. High channel 11, 2462 MHz	PASS
WLAN 802.11n, BW 20MHz, MCS 0	3938ER005 + 3938ER008. Low channel 1, 2412 MHz	PASS
WLAN 802.11n, BW 20MHz, MCS 0	3938ER005 + 3938ER008. Mid channel 6, 2437 MHz	PASS
WLAN 802.11n, BW 20MHz, MCS 0	3938ER005 + 3938ER008. High channel 11, 2462 MHz	PASS
WLAN 802.11ax, BW 20MHz, MCS 0	3938ER005 + 3938ER008. Low channel 1, 2412 MHz	PASS
WLAN 802.11ax, BW 20MHz, MCS 0	3938ER005 + 3938ER008. Mid channel 6, 2437 MHz	PASS
WLAN 802.11ax, BW 20MHz, MCS 0	3938ER005 + 3938ER008. High channel 11, 2462 MHz	PASS

**Test data 802.11b 30 – 1000MHz**

802.11b, 2 Mbps, BW 20MHz												
Channel	Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)	Comment
1	38,88	35,65	40	4,35	15000	120	98	V	299	0	22,60	PASS
1	60,33	35,89	40	4,11	15000	120	118	V	-7	0	14,70	PASS
1	62,64	37,70	40	2,30	15000	120	98	V	6	0	14,30	PASS
1	86,94	26,60	40	13,40	15000	120	141	V	248	0	16,80	PASS
1	154,50	24,15	44	19,35	15000	120	98	V	-11	90	19,60	PASS
1	200,01	41,32	44	2,18	15000	120	135	H	212	180	16,70	PASS
1	300,00	29,33	46	16,67	15000	120	98	H	226	180	20,00	PASS
1	399,99	30,58	46	15,42	15000	120	207	H	337	180	23,50	PASS
1	499,98	29,36	46	16,64	15000	120	98	V	258	90	23,50	PASS
1	600,00	27,32	46	18,68	15000	120	357	V	-22	180	25,30	PASS
1	799,98	36,77	46	9,23	15000	120	98	H	122	180	27,40	PASS
1	874,98	32,68	46	13,32	15000	120	100	H	163	0	28,20	PASS
1	999,99	38,39	54	15,61	15000	120	98	V	202	90	29,20	PASS
6	39,09	36,04	40	3,96	15000	120	98	V	285	0	22,50	PASS
6	60,06	35,68	40	4,32	15000	120	118	V	-7	0	14,70	PASS
6	62,58	37,25	40	2,75	15000	120	98	V	7	0	14,30	PASS
6	86,88	25,92	40	14,08	15000	120	141	V	321	0	16,80	PASS
6	154,59	24,12	44	19,38	15000	120	98	V	164	90	19,60	PASS
6	200,01	41,15	44	2,35	15000	120	104	H	209	180	16,70	PASS
6	300,00	29,51	46	16,49	15000	120	98	H	231	180	20,00	PASS
6	399,99	34,40	46	11,60	15000	120	155	V	33	0	23,50	PASS
6	600,00	32,48	46	13,52	15000	120	170	V	73	0	25,30	PASS
6	799,98	36,17	46	9,83	15000	120	98	H	128	180	27,40	PASS
6	856,20	28,33	46	17,67	15000	120	100	H	177	0	27,90	PASS
6	874,98	31,74	46	14,26	15000	120	100	H	177	0	28,20	PASS
11	35,10	29,67	40	10,33	15000	120	98	V	292	0	24,60	PASS
11	39,24	35,77	40	4,23	15000	120	98	V	313	0	22,40	PASS
11	43,38	30,50	40	9,50	15000	120	98	V	331	90	20,40	PASS

802.11b, 2 Mbps, BW 20MHz												
Channel	Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)	Comment
11	60,39	36,02	40	3,98	15000	120	102	V	-22	0	14,70	PASS
11	62,79	37,36	40	2,64	15000	120	98	V	-22	0	14,30	PASS
11	77,91	26,58	40	13,42	15000	120	180	V	6	0	16,10	PASS
11	86,88	25,66	40	14,34	15000	120	146	V	-22	0	16,80	PASS
11	200,01	40,63	44	2,87	15000	120	115	H	122	90	16,70	PASS
11	799,98	37,19	46	8,81	15000	120	98	H	232	90	27,40	PASS
11	874,98	32,32	46	13,68	15000	120	98	H	157	0	28,20	PASS

**Test data 802.11b 1 – 3 GHz**

802.11b, 2 Mbps, BW 20MHz													
Channel	Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Comment
1	1633,05	---	28,95	54	25,05	15000	1000	330	V	109	180	34,5	PASS
1	1633,05	45,77	---	74	28,23	15000	1000	330	V	109	180	34,5	PASS
1	2398,9	---	49,75	54	4,25	15000	1000	148	V	43	0	38,6	PASS
1	2398,9	58,06	---	74	15,94	15000	1000	148	V	43	0	38,6	PASS
1	2412,9	107,1	---	74	-33,10	15000	1000	338	H	2	180	38,8	Fundamental TX signal
1	2412,9	---	104,11	54	-50,11	15000	1000	338	H	2	180	38,8	Fundamental TX signal
6	1468,6	44,59	---	74	29,41	15000	1000	328	H	220	0	33,2	PASS
6	1468,6	---	27,34	54	26,66	15000	1000	328	H	220	0	33,2	PASS
6	1865,3	47,54	---	74	26,46	15000	1000	292	H	233	180	35,7	PASS
6	1865,3	---	31,28	54	22,72	15000	1000	292	H	233	180	35,7	PASS
6	2396,4	52,28	---	74	21,72	15000	1000	167	V	237	0	38,6	PASS
6	2396,4	---	36,72	54	17,28	15000	1000	167	V	237	0	38,6	PASS
6	2435,8	---	103,51	54	-49,51	15000	1000	200	H	259	180	38,9	Fundamental TX signal
6	2435,8	106,47	---	74	-32,47	15000	1000	200	H	259	180	38,9	Fundamental TX signal
11	1351,15	43,29	---	74	30,71	15000	1000	397	H	207	90	32	PASS
11	1351,15	---	25,23	54	28,77	15000	1000	397	H	207	90	32	PASS
11	1433,5	---	27	54	27,00	15000	1000	270	V	74	0	33,2	PASS
11	1433,5	43,89	---	74	30,00	15000	1000	270	V	74	0	33,2	PASS
11	1909,75	48,86	---	74	25,14	15000	1000	294	H	120	0	36,2	PASS
11	1909,75	---	31,66	54	22,34	15000	1000	294	H	120	0	36,2	PASS
11	2463	---	103,47	54	-49,47	15000	1000	320	H	10	180	39	Fundamental TX signal
11	2463	106,52	---	74	-32,52	15000	1000	320	H	10	180	39	Fundamental TX signal
11	2483,75	53,05	---	74	20,95	15000	1000	122	V	239	0	39,2	PASS
11	2483,75	---	36,97	54	17,03	15000	1000	122	V	239	0	39,2	PASS

**Test data 802.11b 3 – 18 GHz**

802.11b, 2 Mbps, BW 20MHz													
Channel	Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas, Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr, (dB)	Comment
1	3599,75	---	33,15	54	20,85	15000	1000	241	V	9	90	6,30	PASS
1	3599,75	42,85	---	74	31,15	15000	1000	241	V	9	90	6,30	PASS
1	4979,25	---	28,07	54	25,93	15000	1000	376	V	20	90	10,10	PASS
1	4979,25	41,58	---	74	32,42	15000	1000	376	V	20	90	10,10	PASS
1	7958,00	---	31,00	54	23,00	15000	1000	151	V	170	180	16,30	PASS
1	7958,00	44,58	---	74	29,42	15000	1000	151	V	170	180	16,30	PASS
6	6903,50	43,08	---	74	30,92	15000	1000	195	H	306	90	14,00	PASS
6	6903,50	---	29,41	54	24,59	15000	1000	195	H	306	90	14,00	PASS
6	13853,50	48,83	---	74	25,17	15000	1000	398	H	199	90	26,50	PASS
6	13853,50	---	35,25	54	18,75	15000	1000	398	H	199	90	26,50	PASS
11	3214,75	---	25,88	54	28,12	15000	1000	216	V	1	0	5,50	PASS
11	3214,75	39,16	---	74	34,84	15000	1000	216	V	1	0	5,50	PASS
11	4924,25	---	29,41	54	24,59	15000	1000	400	H	293	90	10,00	PASS
11	4924,25	42,71	---	74	31,29	15000	1000	400	H	293	90	10,00	PASS
11	6000,25	---	33,09	54	20,91	15000	1000	141	H	340	180	11,90	PASS
11	6000,25	45,13	---	74	28,87	15000	1000	141	H	340	180	11,90	PASS

**Test data 802.11b 18 – 26 GHz**

802.11b, 2 Mbps, BW 20MHz													
Channel	Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas, Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr, (dB)	Comment
1	20216,00	44,13	---	74	29,87	3000	1000	162	V	6	180	24,10	PASS
1	20216,00	---	31,13	54	22,87	3000	1000	162	V	6	180	24,10	PASS
1	21653,75	---	30,95	54	23,05	3000	1000	268	V	142	0	24,70	PASS
1	21653,75	43,75	---	74	30,25	3000	1000	268	V	142	0	24,70	PASS
1	22754,00	---	31,87	54	22,13	3000	1000	407	V	64	0	25,30	PASS
1	22754,00	44,76	---	74	29,24	3000	1000	407	V	64	0	25,30	PASS
1	23719,00	45,02	---	74	28,98	3000	1000	115	V	157	0	25,90	PASS
1	23719,00	---	31,81	54	22,19	3000	1000	115	V	157	0	25,90	PASS
6	18775,50	---	31,85	54	22,15	3000	1000	277	V	157	0	23,50	PASS
6	18775,50	45,16	---	74	28,84	3000	1000	277	V	157	0	23,50	PASS
6	21176,00	---	30,66	54	23,34	3000	1000	205	V	37	0	24,50	PASS
6	21176,00	43,56	---	74	30,44	3000	1000	205	V	37	0	24,50	PASS
6	21894,75	45,30	---	74	28,70	3000	1000	175	V	285	0	24,80	PASS
6	21894,75	---	31,41	54	22,59	3000	1000	175	V	285	0	24,80	PASS
11	18747,25	---	31,52	54	22,48	3000	1000	360	H	181	180	23,50	PASS

802.11b, 2 Mbps, BW 20MHz													
Channel	Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas, Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr, (dB)	Comment
11	18747,25	44,68	---	74	29,32	3000	1000	360	H	181	180	23,50	PASS
11	23655,00	---	32,00	54	22,00	3000	1000	334	V	-18	180	25,80	PASS
11	23655,00	44,99	---	74	29,01	3000	1000	334	V	-18	180	25,80	PASS

**Test data 802.11g 30 – 1000MHz**

802.11g, 6 Mbps, BW 20MHz												
Channel	Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)	Comment
1	38,94	36,98	40	3,02	15000	120	98	V	303	90	22,60	PASS
1	59,61	34,89	40	5,11	15000	120	116	V	23	0	14,80	PASS
1	62,67	36,58	40	3,42	15000	120	98	V	321	0	14,30	PASS
1	86,67	26,77	40	13,23	15000	120	130	V	247	0	16,80	PASS
1	123,06	20,50	44	23,00	15000	120	116	V	321	0	17,80	PASS
1	200,01	41,04	44	2,46	15000	120	116	H	217	180	16,70	PASS
1	300,00	30,19	46	15,81	15000	120	98	H	222	180	20,00	PASS
1	399,99	31,52	46	14,48	15000	120	102	V	-16	0	23,50	PASS
1	600,00	34,06	46	11,94	15000	120	192	V	137	180	25,30	PASS
1	799,98	36,68	46	9,32	15000	120	98	H	226	90	27,40	PASS
1	875,01	30,01	46	15,99	15000	120	98	H	186	0	28,20	PASS
1	999,99	42,07	54	11,93	15000	120	98	V	67	180	29,20	PASS
6	39,21	37,68	40	2,32	15000	120	98	V	77	90	22,50	PASS
6	62,61	36,65	40	3,35	15000	120	98	V	87	0	14,30	PASS
6	86,85	26,86	40	13,14	15000	120	142	V	124	180	16,80	PASS
6	151,77	23,52	44	19,98	15000	120	98	V	331	180	19,30	PASS
6	200,01	41,01	44	2,49	15000	120	117	H	202	180	16,70	PASS
6	300,00	30,03	46	15,97	15000	120	98	H	308	90	20,00	PASS
6	399,99	32,17	46	13,83	15000	120	117	V	16	0	23,50	PASS
6	499,98	28,71	46	17,29	15000	120	102	V	248	90	23,50	PASS
6	600,00	29,12	46	16,88	15000	120	181	V	272	0	25,30	PASS
6	799,98	36,47	46	9,53	15000	120	98	H	136	180	27,40	PASS
6	874,98	30,85	46	15,15	15000	120	100	V	106	180	28,20	PASS
6	999,99	39,73	54	14,27	15000	120	98	V	168	90	29,20	PASS
11	39,00	36,83	40	3,17	15000	120	103	V	79	90	22,60	PASS
11	59,70	35,50	40	4,50	15000	120	154	V	292	90	14,80	PASS
11	62,40	36,97	40	3,03	15000	120	98	V	317	90	14,30	PASS
11	86,52	26,37	40	13,63	15000	120	140	V	311	90	16,80	PASS
11	153,54	23,40	44	20,10	15000	120	98	V	249	180	19,50	PASS
11	200,01	41,06	44	2,44	15000	120	115	H	203	180	16,70	PASS
11	300,00	29,74	46	16,26	15000	120	101	H	292	90	20,00	PASS
11	399,99	31,95	46	14,05	15000	120	181	H	214	180	23,50	PASS
11	499,98	29,52	46	16,48	15000	120	98	V	253	90	23,50	PASS
11	600,00	24,66	46	21,34	15000	120	309	V	56	180	25,30	PASS
11	799,98	35,34	46	10,66	15000	120	98	H	202	90	27,40	PASS
11	874,98	31,87	46	14,13	15000	120	98	H	158	0	28,20	PASS
11	999,99	39,06	54	14,94	15000	120	98	V	177	90	29,20	PASS

**Test data 802.11g 1 – 3 GHz**

802.11g, 6 Mbps, BW 20MHz													
Channel	Frequency	MaxPeak	CAverage	Limit	Margin	Meas, Time	Bandwidth	Height	Pol	Azimuth	Elevation	Corr,	Comment
	(MHz)	(dBμV/m)	(dBμV/m)	(dBμV/m)	(dB)	(ms)	(kHz)	(cm)		(deg)	(deg)	(dB)	
1	2075,10	49,47	---	74	24,53	15000	1000	352	H	178	180	37,60	PASS
1	2075,10	---	33,26	54	20,74	15000	1000	352	H	178	180	37,60	PASS
1	2398,75	66,30	---	74	7,70	15000	1000	132	V	22	0	38,60	PASS
1	2398,75	---	48,19	54	5,81	15000	1000	132	V	22	0	38,60	PASS
1	2409,10	---	98,23	54	-44,23	15000	1000	154	V	21	0	38,70	Fundamental TX signal
1	2409,10	107,57	---	74	-33,57	15000	1000	154	V	21	0	38,70	Fundamental TX signal
1	2946,30	---	39,39	54	14,61	15000	1000	114	V	127	180	41,00	PASS
1	2946,30	55,23	---	74	18,77	15000	1000	114	V	127	180	41,00	PASS
6	1600,15	46,88	---	74	27,12	15000	1000	227	H	250	180	34,20	PASS
6	1600,15	---	34,06	54	19,94	15000	1000	227	H	250	180	34,20	PASS
6	2434,05	---	100,66	54	-46,66	15000	1000	114	H	96	90	38,90	Fundamental TX signal
6	2434,05	110,09	---	74	-36,09	15000	1000	114	H	96	90	38,90	Fundamental TX signal
6	2941,65	---	39,32	54	14,68	15000	1000	233	V	332	0	41,00	PASS
6	2941,65	55,48	---	74	18,52	15000	1000	233	V	332	0	41,00	PASS
11	1835,85	47,70	---	74	26,30	15000	1000	346	V	-22	0	35,50	PASS
11	1835,85	---	31,14	54	22,86	15000	1000	346	V	-22	0	35,50	PASS
11	2460,60	99,38	---	74	-25,38	15000	1000	99	H	26	90	39,00	Fundamental TX signal
11	2460,60	---	90,15	54	-36,15	15000	1000	99	H	26	90	39,00	Fundamental TX signal
11	2483,10	---	40,53	54	13,47	15000	1000	151	V	24	0	39,20	PASS
11	2483,10	57,63	---	74	16,37	15000	1000	151	V	24	0	39,20	PASS
11	2981,25	54,96	---	74	19,04	15000	1000	140	V	81	0	41,40	PASS
11	2981,25	---	39,42	54	14,58	15000	1000	140	V	81	0	41,40	PASS

**Test data 802.11g 3 – 18 GHz**

802.11g, 6 Mbps, BW 20MHz													
Channel	Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas, Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr, (dB)	Comment
1	3215,75	---	36,48	54	17,52	15000	1000	149	V	211	0	5,50	PASS
1	3215,75	43,76	---	74	30,24	15000	1000	149	V	211	0	5,50	PASS
1	4261,25	---	27,56	54	26,44	15000	1000	153	H	353	0	8,90	PASS
1	4261,25	41,87	---	74	32,13	15000	1000	153	H	353	0	8,90	PASS
1	5875,25	---	28,11	54	25,89	15000	1000	349	V	184	0	11,50	PASS
1	5875,25	41,91	---	74	32,09	15000	1000	349	V	184	0	11,50	PASS
1	10253,75	46,41	---	74	27,59	15000	1000	192	V	160	0	20,30	PASS
1	10253,75	---	32,51	54	21,49	15000	1000	192	V	160	0	20,30	PASS
6	3799,75	41,94	---	74	32,06	15000	1000	200	V	340	90	7,70	PASS
6	3799,75	---	27,89	54	26,11	15000	1000	200	V	340	90	7,70	PASS
6	4757,50	---	27,44	54	26,56	15000	1000	252	H	231	90	9,60	PASS
6	4757,50	41,30	---	74	32,70	15000	1000	252	H	231	90	9,60	PASS
11	3884,25	40,19	---	74	33,81	15000	1000	218	V	211	180	7,30	PASS
11	3884,25	---	26,54	54	27,46	15000	1000	218	V	211	180	7,30	PASS
11	6000,00	---	31,76	54	22,24	15000	1000	128	H	207	180	11,90	PASS
11	6000,00	44,70	---	74	29,30	15000	1000	128	H	207	180	11,90	PASS
11	7099,00	---	30,03	54	23,97	15000	1000	196	V	233	180	14,80	PASS
11	7099,00	44,39	---	74	29,61	15000	1000	196	V	233	180	14,80	PASS

**Test data 802.11g 18 – 26 GHz**

802.11g, 6 Mbps, BW 20MHz													
Channel	Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas, Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr, (dB)	Comment
1	18803,50	---	32,64	54	21,36	3000	1000	219	H	-13	90	23,50	PASS
1	18803,50	46,58	---	74	27,42	3000	1000	219	H	-13	90	23,50	PASS
1	20489,50	44,57	---	74	29,43	3000	1000	229	H	67	90	24,30	PASS
1	20489,50	---	31,69	54	22,31	3000	1000	229	H	67	90	24,30	PASS
1	21787,25	---	32,35	54	21,65	3000	1000	316	H	24	90	24,90	PASS
1	21787,25	45,61	---	74	28,39	3000	1000	316	H	24	90	24,90	PASS
1	23065,25	46,42	---	74	27,58	3000	1000	128	H	22	90	25,70	PASS
1	23065,25	---	32,97	54	21,03	3000	1000	128	H	22	90	25,70	PASS
1	24152,50	---	32,68	54	21,32	3000	1000	407	V	209	90	26,10	PASS
1	24152,50	46,07	---	74	27,93	3000	1000	407	V	209	90	26,10	PASS
6	18802,75	---	32,58	54	21,42	3000	1000	215	H	289	90	23,60	PASS
6	18802,75	45,75	---	74	28,25	3000	1000	215	H	289	90	23,60	PASS
6	20575,25	44,70	---	74	29,30	3000	1000	105	V	265	90	24,20	PASS
6	20575,25	---	31,47	54	22,53	3000	1000	105	V	265	90	24,20	PASS
6	23498,75	---	32,82	54	21,18	3000	1000	237	V	317	90	25,90	PASS
6	23498,75	46,18	---	74	27,82	3000	1000	237	V	317	90	25,90	PASS
6	25980,50	47,36	---	74	26,64	3000	1000	248	V	192	90	27,10	PASS

802.11g, 6 Mbps, BW 20MHz													
Channel	Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas, Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr, (dB)	Comment
6	25980,50	---	34,36	54	19,64	3000	1000	248	V	192	90	27,10	PASS
11	18748,25	45,15	---	74	28,85	3000	1000	397	H	154	0	23,50	PASS
11	18748,25	---	32,20	54	21,80	3000	1000	397	H	154	0	23,50	PASS
11	20038,00	44,46	---	74	29,54	3000	1000	407	H	93	0	24,00	PASS
11	20038,00	---	31,13	54	22,87	3000	1000	407	H	93	0	24,00	PASS
11	23096,75	---	32,56	54	21,44	3000	1000	212	V	197	0	25,60	PASS
11	23096,75	45,67	---	74	28,33	3000	1000	212	V	197	0	25,60	PASS
11	24825,75	---	33,29	54	20,71	3000	1000	141	V	300	0	26,50	PASS
11	24825,75	46,49	---	74	27,51	3000	1000	141	V	300	0	26,50	PASS

**Test data 802.11n 30 – 100MHz**

802.11n, HT MCS 0, BW 20MHz													
Channel	Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)	Comment	
1	39,33	33,57	40	6,43	15000	120	98	V	112	180	22,40	PASS	
1	60,18	36,33	40	3,67	15000	120	177	V	22	0	14,70	PASS	
1	62,40	38,21	40	1,79	15000	120	98	V	47	0	14,30	PASS	
1	86,76	27,46	40	12,54	15000	120	116	V	203	0	16,80	PASS	
1	122,97	28,37	44	15,13	15000	120	98	V	112	0	17,70	PASS	
1	200,01	41,68	44	1,82	15000	120	98	V	112	0	16,70	PASS	
1	399,99	35,03	46	10,97	15000	120	116	V	299	0	23,50	PASS	
1	499,98	29,56	46	16,44	15000	120	98	V	248	90	23,50	PASS	
1	600,00	31,99	46	14,01	15000	120	98	V	46	0	25,30	PASS	
1	722,01	22,31	46	23,69	15000	120	164	V	113	90	26,90	PASS	
1	799,98	36,82	46	9,18	15000	120	98	H	136	180	27,40	PASS	
1	999,99	39,88	54	14,12	15000	120	98	V	171	90	29,20	PASS	
6	39,24	37,41	40	2,59	15000	120	98	V	123	90	22,40	PASS	
6	60,09	35,30	40	4,70	15000	120	152	V	307	90	14,70	PASS	
6	62,79	36,88	40	3,12	15000	120	101	V	186	180	14,30	PASS	
6	87,09	26,29	40	13,71	15000	120	144	V	178	180	16,80	PASS	
6	150,39	24,41	44	19,09	15000	120	98	V	298	90	19,10	PASS	
6	200,01	41,08	44	2,42	15000	120	116	H	203	180	16,70	PASS	
6	300,00	29,50	46	16,50	15000	120	101	H	223	180	20,00	PASS	
6	399,99	32,05	46	13,95	15000	120	118	V	-6	0	23,50	PASS	
6	499,98	29,21	46	16,79	15000	120	98	V	168	180	23,50	PASS	
6	599,97	27,35	46	18,65	15000	120	246	V	46	0	25,30	PASS	
6	799,98	36,04	46	9,96	15000	120	98	H	123	180	27,40	PASS	
6	874,98	31,52	46	14,48	15000	120	100	H	158	0	28,20	PASS	
6	999,99	41,40	54	12,60	15000	120	98	V	171	90	29,20	PASS	
11	39,12	37,57	40	2,43	15000	120	100	V	7	90	22,50	PASS	
11	60,27	35,52	40	4,48	15000	120	100	V	331	90	14,70	PASS	
11	62,85	37,18	40	2,82	15000	120	98	V	112	180	14,30	PASS	
11	87,00	26,38	40	13,62	15000	120	154	V	113	180	16,80	PASS	
11	151,68	23,32	44	20,18	15000	120	100	V	203	90	19,30	PASS	
11	200,01	41,00	44	2,50	15000	120	130	H	203	180	16,70	PASS	
11	300,00	30,01	46	15,99	15000	120	98	H	305	90	20,00	PASS	
11	399,99	32,21	46	13,79	15000	120	194	H	307	90	23,50	PASS	
11	599,97	34,81	46	11,19	15000	120	98	V	68	0	25,30	PASS	
11	799,98	36,42	46	9,58	15000	120	98	H	222	90	27,40	PASS	
11	874,98	31,25	46	14,75	15000	120	98	H	149	0	28,20	PASS	
11	999,99	40,20	54	13,80	15000	120	98	V	112	180	29,20	PASS	



**Test data 802.11n 1 – 3 GHz**

802.11n, HT MCS 0, BW 20MHz													
Channel	Frequency	MaxPeak	CAverage	Limit	Margin	Meas, Time	Bandwidth	Height	Pol	Azimuth	Elevation	Corr,	Comment
	(MHz)	(dBμV/m)	(dBμV/m)	(dBμV/m)	(dB)	(ms)	(kHz)	(cm)		(deg)	(deg)	(dB)	
1	1359,15	43,09	---	74	30,91	15000	1000	326	H	215	180	32,20	PASS
1	1359,15	---	25,37	54	28,63	15000	1000	326	H	215	180	32,20	PASS
1	2007,85	49,96	---	74	24,04	15000	1000	217	H	135	90	37,40	PASS
1	2007,85	---	32,81	54	21,19	15000	1000	217	H	135	90	37,40	PASS
1	2396,80	---	47,78	54	6,22	15000	1000	125	V	-5	0	38,60	PASS
1	2396,80	68,21	---	74	5,79	15000	1000	125	V	-5	0	38,60	PASS
1	2409,95	---	95,57	54	-41,57	15000	1000	118	V	217	0	38,70	Fundamental TX signal
1	2409,95	104,68	---	74	-30,68	15000	1000	118	V	217	0	38,70	Fundamental TX signal
1	2995,55	---	39,58	54	14,42	15000	1000	335	V	270	180	41,70	PASS
1	2995,55	55,00	---	74	19,00	15000	1000	335	V	270	180	41,70	PASS
6	1363,70	---	25,40	54	28,60	15000	1000	385	V	41	0	32,20	PASS
6	1363,70	42,77	---	74	31,23	15000	1000	385	V	41	0	32,20	PASS
6	1684,50	---	29,40	54	24,60	15000	1000	142	V	88	0	34,90	PASS
6	1684,50	46,30	---	74	27,70	15000	1000	142	V	88	0	34,90	PASS
6	1828,20	47,43	---	74	26,57	15000	1000	188	H	183	0	35,50	PASS
6	1828,20	---	31,00	54	23,00	15000	1000	188	H	183	0	35,50	PASS
6	2439,60	---	97,28	54	-43,28	15000	1000	291	H	-2	180	38,90	Fundamental TX signal
6	2439,60	106,64	---	74	-32,64	15000	1000	291	H	-2	180	38,90	Fundamental TX signal
11	1199,85	44,87	---	74	29,13	15000	1000	141	V	197	90	31,30	PASS
11	1199,85	---	31,56	54	22,44	15000	1000	141	V	197	90	31,30	PASS
11	2124,00	49,94	---	74	24,06	15000	1000	294	H	237	90	37,60	PASS
11	2124,00	---	33,17	54	20,83	15000	1000	294	H	237	90	37,60	PASS
11	2464,75	---	97,34	54	-43,34	15000	1000	146	H	11	180	39,00	Fundamental TX signal
11	2464,75	106,99	---	74	-32,99	15000	1000	146	H	11	180	39,00	Fundamental TX signal
11	2483,90	---	40,06	54	13,94	15000	1000	109	V	2	0	39,20	PASS
11	2483,90	58,50	---	74	15,50	15000	1000	109	V	2	0	39,20	PASS



**Test data 802.11n 3 – 18 GHz**

802.11n, HT MCS 0, BW 20MHz													
Channel	Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas, Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr, (dB)	Comment
1	3215,75	42,27	---	74	31,73	15000	1000	145	H	83	180	5,50	PASS
1	3215,75	---	32,95	54	21,05	15000	1000	145	H	83	180	5,50	PASS
1	3599,75	43,28	---	74	30,72	15000	1000	247	V	252	180	6,30	PASS
1	3599,75	---	34,78	54	19,22	15000	1000	247	V	252	180	6,30	PASS
1	4823,75	---	27,53	54	26,47	15000	1000	121	H	255	180	10,20	PASS
1	4823,75	41,41	---	74	32,59	15000	1000	121	H	255	180	10,20	PASS
1	11682,25	46,68	---	74	27,32	15000	1000	352	V	91	90	22,30	PASS
1	11682,25	---	32,97	54	21,03	15000	1000	352	V	91	90	22,30	PASS
6	3249,25	43,17	---	74	30,83	15000	1000	215	V	-12	0	5,60	PASS
6	3249,25	---	34,35	54	19,65	15000	1000	215	V	-12	0	5,60	PASS
6	3800,00	43,53	---	74	30,47	15000	1000	171	V	356	90	7,70	PASS
6	3800,00	---	35,56	54	18,44	15000	1000	171	V	356	90	7,70	PASS
6	6940,25	43,97	---	74	30,03	15000	1000	277	H	192	180	14,20	PASS
6	6940,25	---	29,55	54	24,45	15000	1000	277	H	192	180	14,20	PASS
6	17840,00	---	42,32	54	11,68	15000	1000	384	H	128	0	38,50	PASS
6	17840,00	56,27	---	74	17,73	15000	1000	384	H	128	0	38,50	PASS
11	3599,75	43,90	---	74	30,10	15000	1000	211	V	255	180	6,30	PASS
11	3599,75	---	35,31	54	18,69	15000	1000	211	V	255	180	6,30	PASS
11	3896,25	---	26,46	54	27,54	15000	1000	215	V	177	90	7,40	PASS
11	3896,25	40,43	---	74	33,57	15000	1000	215	V	177	90	7,40	PASS
11	4920,50	---	27,72	54	26,28	15000	1000	184	V	258	180	10,00	PASS
11	4920,50	41,59	---	74	32,41	15000	1000	184	V	258	180	10,00	PASS

**Test data 802.11n 18 – 26 GHz**

802.11n, HT MCS 0, BW 20MHz													
Channel	Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas, Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr, (dB)	Comment
1	18803,25	---	32,47	54	21,53	3000	1000	407	H	73	0	23,60	PASS
1	18803,25	46,31	---	74	27,69	3000	1000	407	H	73	0	23,60	PASS
1	22377,50	45,21	---	74	28,79	3000	1000	321	V	282	0	25,00	PASS
1	22377,50	---	32,08	54	21,92	3000	1000	321	V	282	0	25,00	PASS
1	23229,00	45,33	---	74	28,67	3000	1000	407	H	252	0	25,50	PASS
1	23229,00	---	32,10	54	21,90	3000	1000	407	H	252	0	25,50	PASS
6	18808,00	---	32,47	54	21,53	3000	1000	407	H	211	180	23,50	PASS
6	18808,00	45,80	---	74	28,20	3000	1000	407	H	211	180	23,50	PASS
6	21447,75	44,42	---	74	29,58	3000	1000	238	V	157	180	24,70	PASS
6	21447,75	---	31,55	54	22,45	3000	1000	238	V	157	180	24,70	PASS
6	23036,00	46,06	---	74	27,94	3000	1000	102	H	306	180	25,50	PASS

802.11n, HT MCS 0, BW 20MHz													
Channel	Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas, Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr, (dB)	Comment
6	23036,00	---	32,63	54	21,37	3000	1000	102	H	306	180	25,50	PASS
6	25999,50	---	34,66	54	19,34	3000	1000	188	V	255	180	27,10	PASS
6	25999,50	47,87	---	74	26,13	3000	1000	188	V	255	180	27,10	PASS
11	19562,50	---	31,44	54	22,56	3000	1000	110	H	2	180	23,80	PASS
11	19562,50	44,72	---	74	29,28	3000	1000	110	H	2	180	23,80	PASS
11	24849,25	---	33,45	54	20,55	3000	1000	407	V	36	180	26,60	PASS
11	24849,25	46,45	---	74	27,55	3000	1000	407	V	36	180	26,60	PASS
11	25664,25	---	33,38	54	20,62	3000	1000	265	V	313	180	26,70	PASS
11	25664,25	46,80	---	74	27,20	3000	1000	265	V	313	180	26,70	PASS

**Test data 802.11ax 30 – 1000MHz**

802.11ax, HE-SU MCS 0, BW 20MHz												
Channel	Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)	Comment
1	39,15	34,61	40	5,39	15000	120	101	V	209	0	22,50	PASS
1	60,45	37,04	40	2,96	15000	120	98	V	68	0	14,60	PASS
1	62,43	37,94	40	2,06	15000	120	98	V	33	0	14,30	PASS
1	86,88	25,67	40	14,33	15000	120	101	V	177	0	16,80	PASS
1	114,93	25,65	44	17,85	15000	120	98	V	191	180	17,30	PASS
1	200,01	40,76	44	2,74	15000	120	126	H	298	90	16,70	PASS
1	399,99	34,26	46	11,74	15000	120	128	V	68	0	23,50	PASS
1	600,00	21,63	46	24,37	15000	120	116	H	248	90	25,30	PASS
1	799,98	36,48	46	9,52	15000	120	105	H	236	90	27,40	PASS
1	999,99	39,26	54	14,74	15000	120	98	V	164	90	29,20	PASS
6	39,12	36,14	40	3,86	15000	120	98	V	187	180	22,50	PASS
6	59,49	36,56	40	3,44	15000	120	114	V	91	0	14,80	PASS
6	62,46	37,50	40	2,50	15000	120	102	V	307	90	14,30	PASS
6	86,28	25,38	40	14,62	15000	120	98	V	168	0	16,80	PASS
6	200,01	41,25	44	2,25	15000	120	128	H	217	180	16,70	PASS
6	399,99	32,44	46	13,56	15000	120	98	H	113	90	23,50	PASS
6	499,98	28,77	46	17,23	15000	120	100	V	248	90	23,50	PASS
6	600,00	32,32	46	13,68	15000	120	98	V	73	0	25,30	PASS
6	799,98	36,60	46	9,40	15000	120	98	H	227	90	27,40	PASS
6	874,98	31,54	46	14,46	15000	120	102	V	112	180	28,20	PASS
11	39,15	36,54	40	3,46	15000	120	101	V	331	90	22,50	PASS
11	60,33	36,89	40	3,11	15000	120	98	V	73	0	14,70	PASS
11	62,55	37,87	40	2,13	15000	120	98	V	33	0	14,30	PASS
11	86,37	25,66	40	14,34	15000	120	98	V	223	0	16,80	PASS
11	200,01	40,80	44	2,70	15000	120	101	H	299	90	16,70	PASS
11	300,00	27,58	46	18,42	15000	120	98	H	223	180	20,00	PASS
11	399,99	36,01	46	9,99	15000	120	214	H	33	180	23,50	PASS
11	499,98	31,12	46	14,88	15000	120	101	V	254	90	23,50	PASS
11	600,00	32,14	46	13,86	15000	120	98	V	87	0	25,30	PASS
11	624,99	29,71	46	16,29	15000	120	101	V	262	90	25,80	PASS
11	799,98	36,41	46	9,59	15000	120	98	H	157	180	27,40	PASS
11	874,98	30,98	46	15,02	15000	120	98	H	154	0	28,20	PASS
11	999,99	39,38	54	14,62	15000	120	101	V	187	90	29,20	PASS

**Test data 802.11ax 1 – 3 GHz**

802.11ax, HE-SU MCS 0, BW 20MHz													
Channel	Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas, Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr, (dB)	Comment
1	1524,50	---	28,32	54	25,68	15000	1000	157	H	134	180	33,90	PASS
1	1524,50	45,97	---	74	28,03	15000	1000	157	H	134	180	33,90	PASS
1	1600,05	---	37,02	54	16,98	15000	1000	139	H	221	180	34,20	PASS
1	1600,05	47,81	---	74	26,19	15000	1000	139	H	221	180	34,20	PASS
1	2088,40	50,67	---	74	23,33	15000	1000	393	H	36	90	37,70	PASS
1	2088,40	---	33,48	54	20,52	15000	1000	393	H	36	90	37,70	PASS
1	2397,35	64,67	---	74	9,33	15000	1000	273	H	94	90	38,60	PASS
1	2397,35	---	50,06	54	3,94	15000	1000	273	H	94	90	38,60	PASS
1	2417,80	107,55	---	74	-33,55	15000	1000	147	H	8	180	38,80	Fundamental TX signal
1	2417,80	---	95,07	54	-41,07	15000	1000	147	H	8	180	38,80	Fundamental TX signal
1	2934,05	---	39,46	54	14,54	15000	1000	352	V	42	180	40,90	PASS
1	2934,05	55,86	---	74	18,14	15000	1000	352	V	42	180	40,90	PASS
6	1850,30	47,85	---	74	26,15	15000	1000	284	H	149	180	35,60	PASS
6	1850,30	---	31,51	54	22,49	15000	1000	284	H	149	180	35,60	PASS
6	2092,90	50,26	---	74	23,74	15000	1000	130	H	204	180	37,70	PASS
6	2092,90	---	33,48	54	20,52	15000	1000	130	H	204	180	37,70	PASS
6	2430,40	108,11	---	74	-34,11	15000	1000	267	H	104	90	38,90	Fundamental TX signal
6	2430,40	---	98,67	54	-44,67	15000	1000	267	H	104	90	38,90	Fundamental TX signal
11	1199,90	---	31,82	54	22,18	15000	1000	186	V	102	180	31,30	PASS
11	1199,90	45,09	---	74	28,91	15000	1000	186	V	102	180	31,30	PASS
11	1518,65	45,55	---	74	28,45	15000	1000	366	H	232	0	33,90	PASS
11	1518,65	---	28,29	54	25,71	15000	1000	366	H	232	0	33,90	PASS
11	2313,80	51,33	---	74	22,67	15000	1000	185	V	152	0	38,00	PASS
11	2313,80	---	34,50	54	19,50	15000	1000	185	V	152	0	38,00	PASS
11	2467,80	106,32	---	74	-32,32	15000	1000	208	H	104	90	39,00	Fundamental TX signal
11	2467,80	---	93,85	54	-39,85	15000	1000	208	H	104	90	39,00	Fundamental TX signal
11	2483,85	58,14	---	74	15,86	15000	1000	153	V	214	0	39,20	PASS
11	2483,85	---	40,24	54	13,76	15000	1000	153	V	214	0	39,20	PASS
11	2936,50	55,32	---	74	18,68	15000	1000	370	V	185	0	40,90	PASS
11	2936,50	---	39,50	54	14,50	15000	1000	370	V	185	0	40,90	PASS

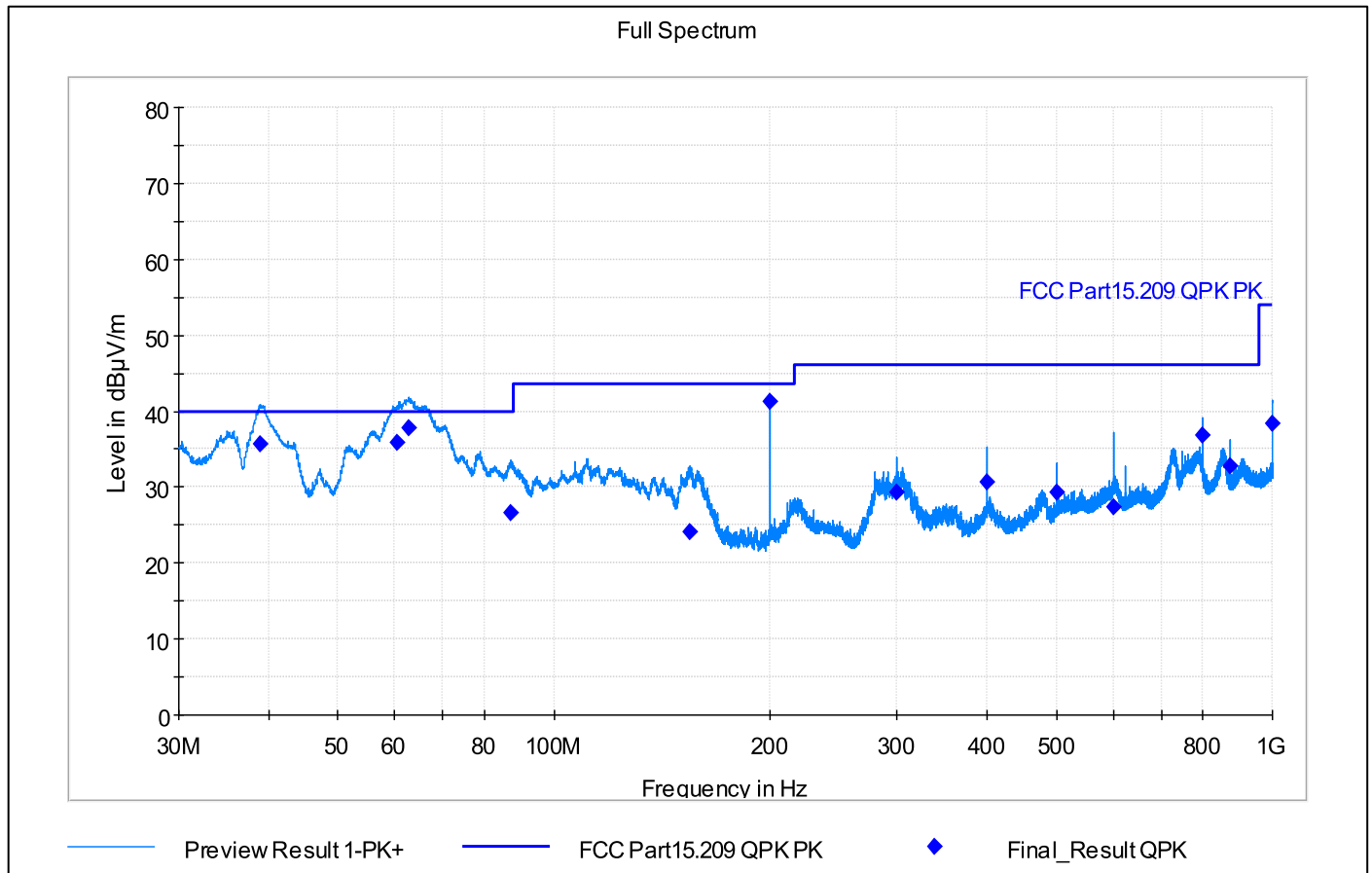
**Test data 802.11ax 3 – 18 GHz**

802.11ax, HE-SU MCS 0, BW 20MHz													
Channel	Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas, Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr, (dB)	Comment
1	4823,50	42,10	---	74	31,90	15000	1000	354	H	34	90	10,20	PASS
1	4823,50	---	28,22	54	25,78	15000	1000	354	H	34	90	10,20	PASS
1	7277,75	---	30,37	54	23,63	15000	1000	398	V	221	90	15,10	PASS
1	7277,75	44,14	---	74	29,86	15000	1000	398	V	221	90	15,10	PASS
1	9648,00	---	32,52	54	21,48	15000	1000	354	V	159	0	19,40	PASS
1	9648,00	45,77	---	74	28,23	15000	1000	354	V	159	0	19,40	PASS
1	17928,75	56,47	---	74	17,53	15000	1000	189	V	151	90	38,90	PASS
1	17928,75	---	42,48	54	11,52	15000	1000	189	V	151	90	38,90	PASS
6	3249,25	---	36,71	54	17,29	15000	1000	288	H	341	180	5,60	PASS
6	3249,25	44,36	---	74	29,64	15000	1000	288	H	341	180	5,60	PASS
6	3932,75	---	27,13	54	26,87	15000	1000	272	H	94	0	7,70	PASS
6	3932,75	40,87	---	74	33,13	15000	1000	272	H	94	0	7,70	PASS
6	4840,25	---	28,25	54	25,75	15000	1000	383	H	64	90	10,20	PASS
6	4840,25	42,47	---	74	31,53	15000	1000	383	H	64	90	10,20	PASS
6	5581,00	---	28,40	54	25,60	15000	1000	271	H	185	90	10,90	PASS
6	5581,00	42,06	---	74	31,94	15000	1000	271	H	185	90	10,90	PASS
6	7330,25	---	30,34	54	23,66	15000	1000	341	H	15	0	15,20	PASS
6	7330,25	43,93	---	74	30,07	15000	1000	341	H	15	0	15,20	PASS
6	9248,50	46,68	---	74	27,32	15000	1000	300	H	51	180	19,00	PASS
6	9248,50	---	33,05	54	20,95	15000	1000	300	H	51	180	19,00	PASS
6	12457,00	---	33,88	54	20,12	15000	1000	129	V	43	0	23,90	PASS
6	12457,00	48,06	---	74	25,94	15000	1000	129	V	43	0	23,90	PASS
6	17991,00	57,13	---	74	16,87	15000	1000	336	V	73	0	39,20	PASS
6	17991,00	---	43,12	54	10,88	15000	1000	336	V	73	0	39,20	PASS
11	3282,50	---	33,79	54	20,21	15000	1000	162	V	219	0	5,60	PASS
11	3282,50	42,85	---	74	31,15	15000	1000	162	V	219	0	5,60	PASS
11	4561,75	40,86	---	74	33,14	15000	1000	389	H	227	180	9,00	PASS
11	4561,75	---	27,41	54	26,59	15000	1000	389	H	227	180	9,00	PASS
11	5360,75	42,13	---	74	31,87	15000	1000	292	H	306	180	10,40	PASS
11	5360,75	---	28,18	54	25,82	15000	1000	292	H	306	180	10,40	PASS
11	10481,00	47,69	---	74	26,31	15000	1000	313	V	359	90	20,90	PASS
11	10481,00	---	33,27	54	20,73	15000	1000	313	V	359	90	20,90	PASS
11	17226,50	55,49	---	74	18,51	15000	1000	160	H	119	180	36,20	PASS
11	17226,50	---	41,69	54	12,31	15000	1000	160	H	119	180	36,20	PASS

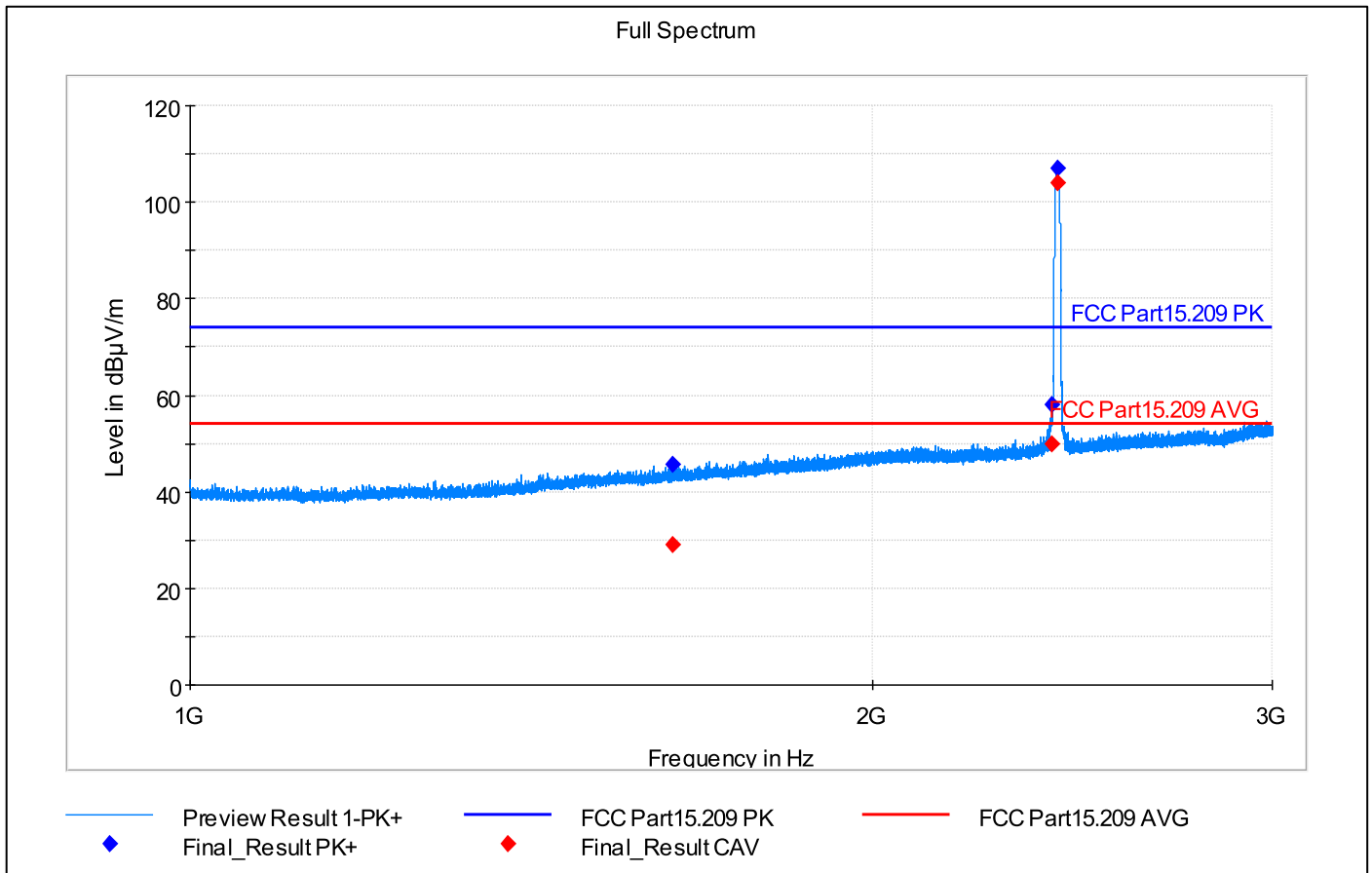
Test data 802.11ax 18 – 26 GHz

802.11ax, HE-SU MCS 0, BW 20MHz													
Channel	Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas, Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr, (dB)	Comment
1	19497,75	43,97	---	74	30,03	3000	1000	243	V	317	90	23,80	PASS
1	19497,75	---	30,86	54	23,14	3000	1000	243	V	317	90	23,80	PASS
1	23653,00	45,77	---	74	28,23	3000	1000	247	H	254	90	25,90	PASS
1	23653,00	---	32,36	54	21,64	3000	1000	247	H	254	90	25,90	PASS
6	18656,00	43,91	---	74	30,09	3000	1000	112	V	114	0	23,40	PASS
6	18656,00	---	30,82	54	23,18	3000	1000	112	V	114	0	23,40	PASS
6	20369,75	44,66	---	74	29,34	3000	1000	100	H	96	0	24,20	PASS
6	20369,75	---	31,30	54	22,70	3000	1000	100	H	96	0	24,20	PASS
11	20649,50	44,75	---	74	29,25	3000	1000	328	V	72	0	24,20	PASS
11	20649,50	---	31,14	54	22,86	3000	1000	328	V	72	0	24,20	PASS
11	22290,00	45,31	---	74	28,69	3000	1000	196	H	337	0	25,00	PASS
11	22290,00	---	31,99	54	22,01	3000	1000	196	H	337	0	25,00	PASS
11	25980,25	---	34,11	54	19,89	3000	1000	107	V	343	0	27,10	PASS
11	25980,25	47,93	---	74	26,07	3000	1000	107	V	343	0	27,10	PASS

802.11b Low channel, 30 MHz – 1 GHz

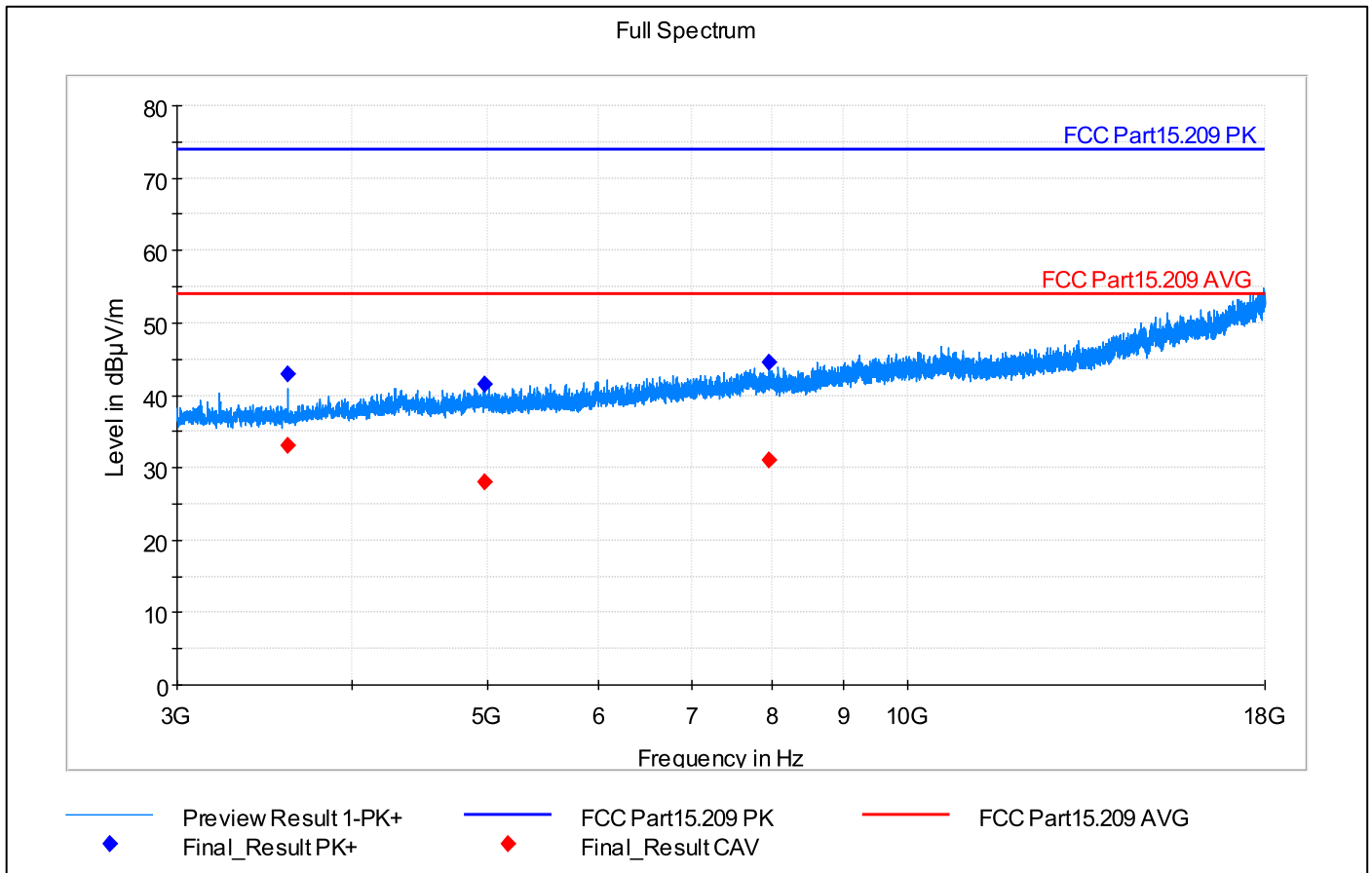


802.11b Low channel, 1 – 3 GHz

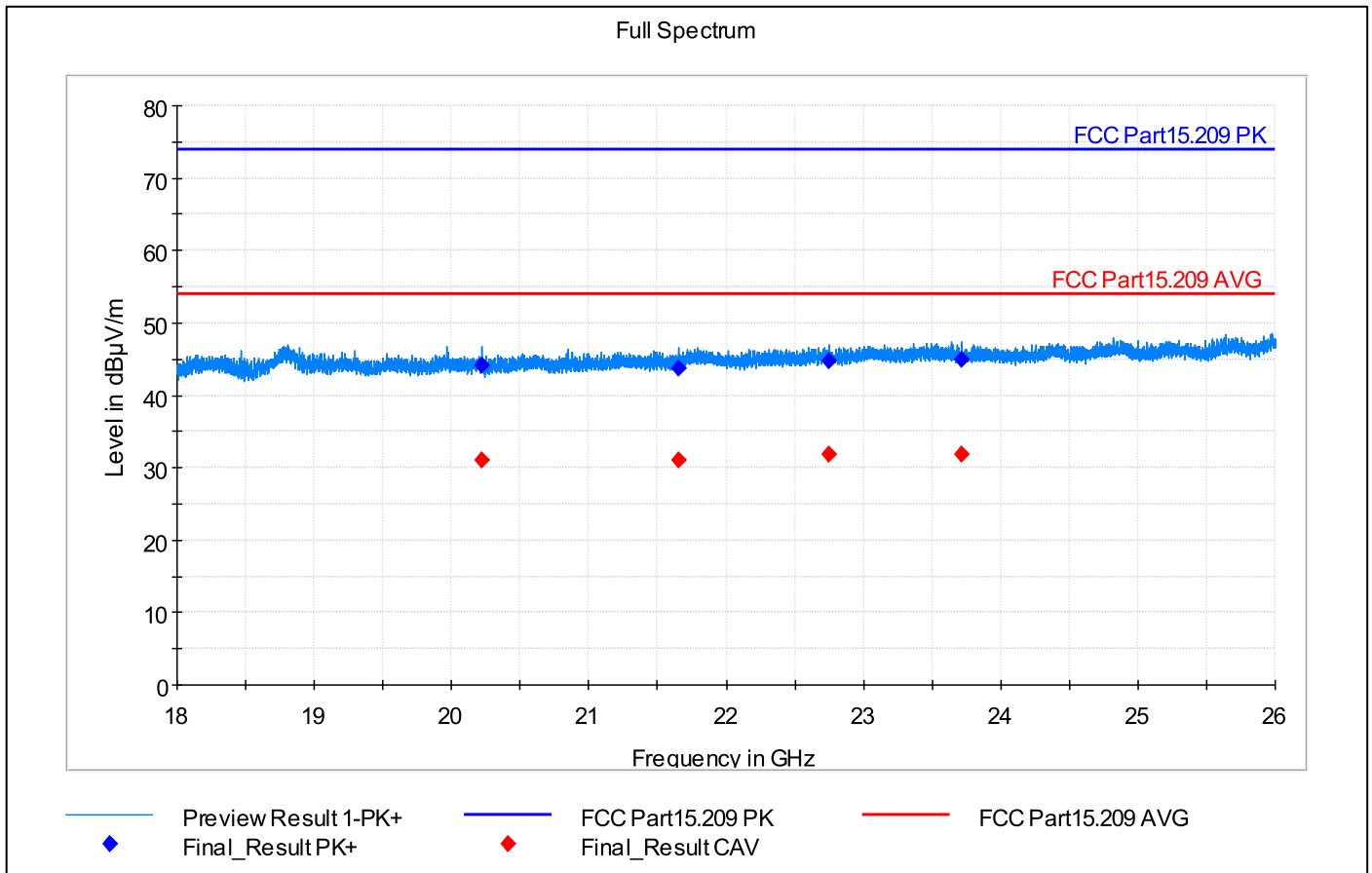


**Note:** Fundamental TX frequency 2412.90 MHz is excluded from spurious domain measurements and ignored.

802.11b Low channel, 3 – 18 GHz

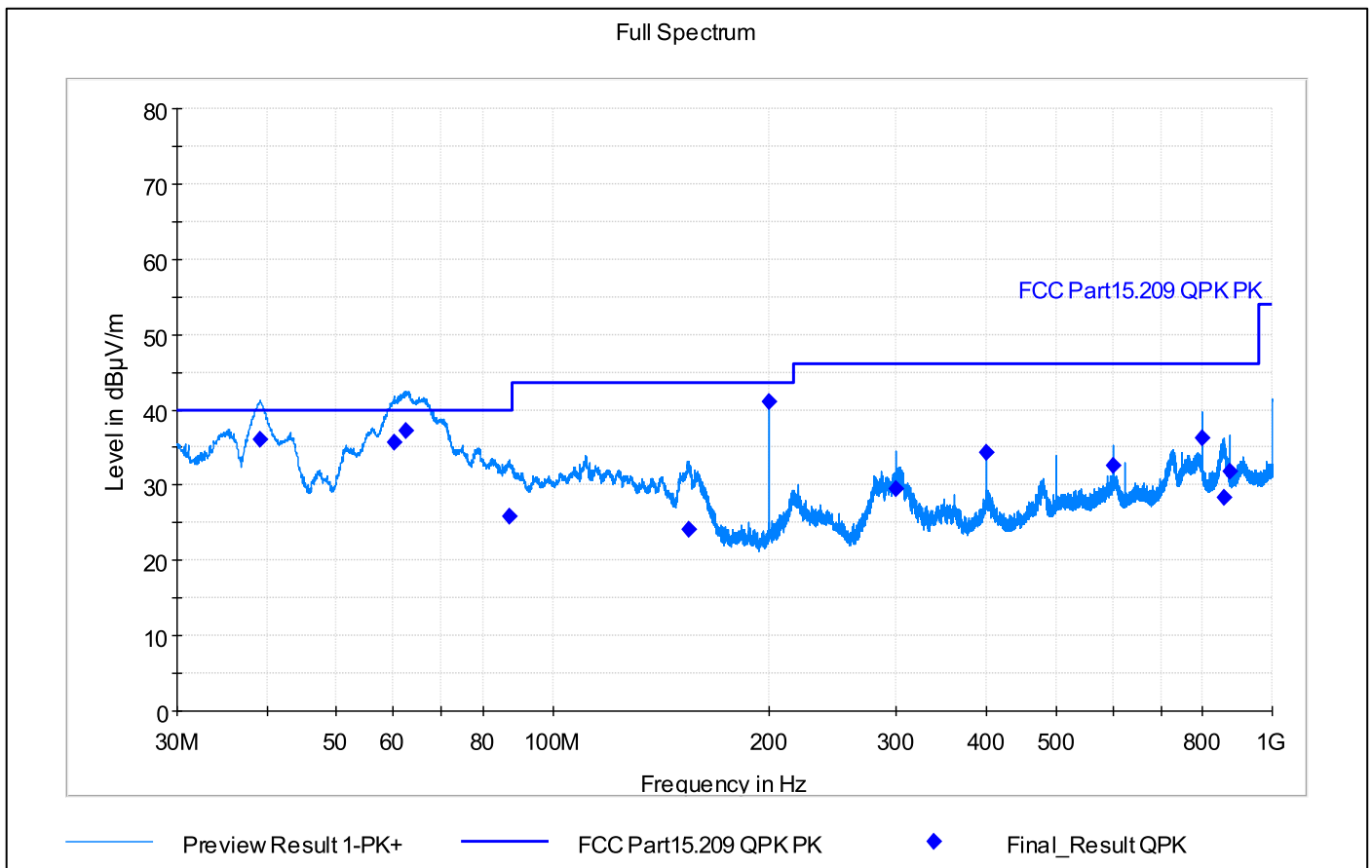


802.11b Low channel, 18 – 26 GHz

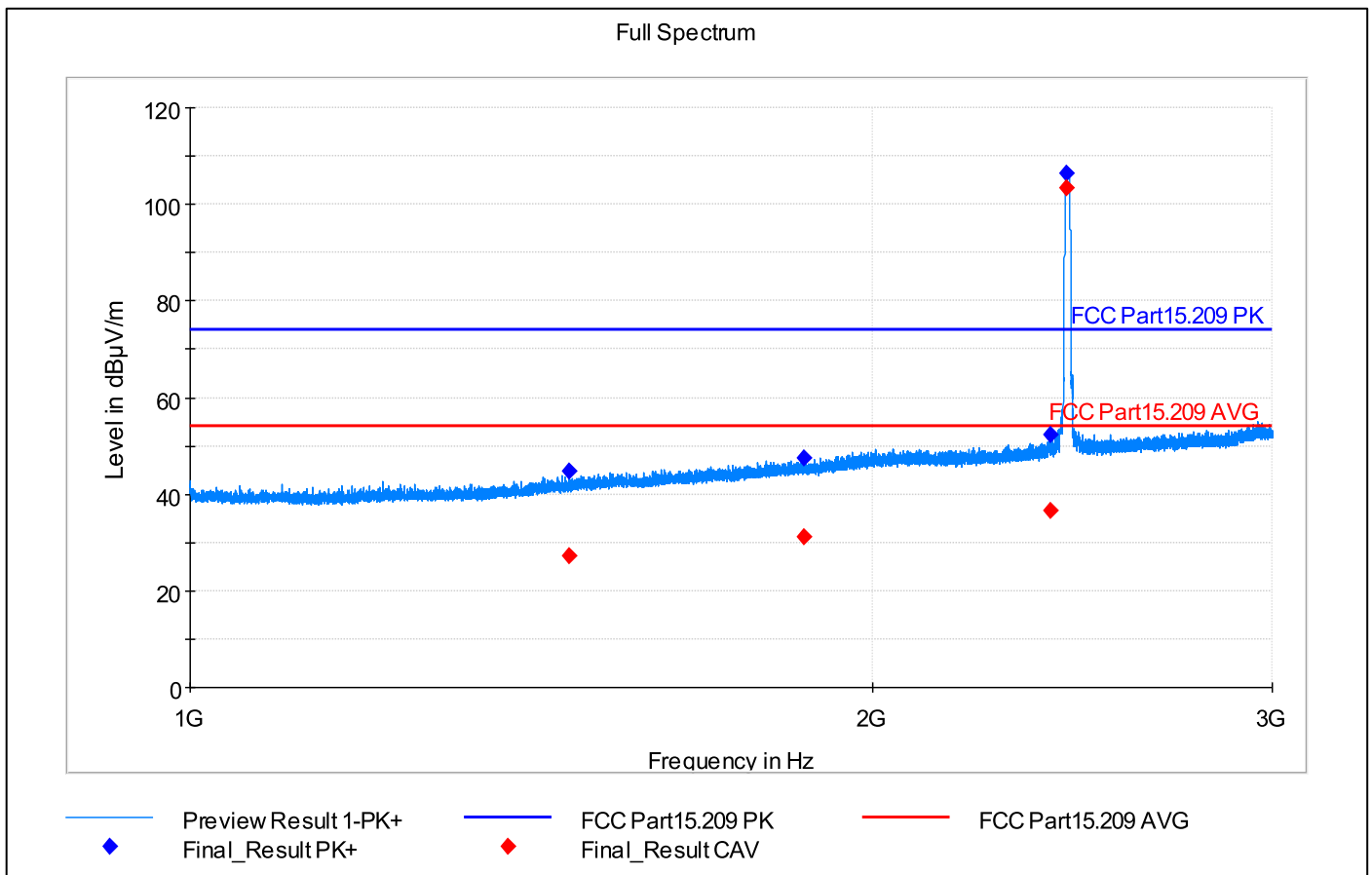




## 802.11b Mid channel, 30 MHz – 1 GHz



802.11b Mid channel, 1-3 GHz



**Note:** Fundamental TX frequency 2435,8000 MHz is excluded from spurious domain measurements and ignored.

802.11b Mid channel, 3–18 GHz

