

Dear Sir / Madam, Please find below responses for SAR test.

Q#1: The output power for MIMO mode in 2.4GH and 5GHz as mentioned in Q#7 are not acceptable. For example, the maximum output power at MIMO HT-20 in 2.4GHz band is 20.1dBm which is greater than 17.18dBm listed in the power table. Please go over the output power setting and re-do the SAR test accordingly, and make sure the output power set for SAR test was higher than the RF test report.

Response: Because the re-measured power of MIMO modes were used same power settings, and the transmitting output power to antennas were same, the SAR did not have to re-do. Only the powers for SAR were reported with a calculation method.

Q#2: The ConvF used during system performance check was 3.98 which do not agree with 4.2 as indicated in the calibration report of EX3DV3 SN354 probe. Please correct.

Response: The plots have updated on page 24, 47 and 48 of SAR report.

Q#3: Please provide all related test plots and Z-axis scan plot at maximum location.

Response: All related test plots pls refer to update report as "FA8N2104_R02_FCC SAR_MiTAC_WiFi Link 5300_Appendix B(All Plots)". The Z-axis plot pls refer to page 62 to 65 of update SAR report.

Dear Sir / Madam, Please find below responses for UNII report.

Q#5: Per MIMO test procedure, each individual transmitter chain is required to be measured for all RF conducted tests. As indicated in the test report, only RF output power has been conducted with each individual transmitter chain, other tests as 6dB bandwidth, power spectral density and RF conducted emission were only reported with one chain. Please address. Also, please clarify the current test data is for which transmitter chain.

Response: After pre-testing process, the highest RF output power chain was chosen to completely test for all test cases, and was marked in bold word in the test report, meanwhile, the highest RF output power of MIMO modes also used a combiner for PSD, Spurious, and bandwidth measurement. Please find the section 2.2, and test results, section 3.

Q#6: Except each individual chain is required to be investigated during all RF conducted tests, RF conducted emission test and power spectral density test are also required to be tested with combiner. Please address.

Response: In the report, the combined chain, A+B, A+C, B+C and A+B+C , were found to be compliant with the limit under pre-testing process and only one combined chain, chain A+B+C, data is reported for each TC.

Q#7: According to the power table, except each individual chain output power was tested, additional 2 transmitter chains and 3 transmitter chains were also reported; however, the result doesn't agree with the value calculated by the formula below. Were they tested with combiner? Be noted that RF output power in MIMO mode is not allowed to be measured with combiner. Instead, it is required to be calculated with the formula of $((\text{dBm}/\text{Chain 1})/10^{\text{Log}}) + ((\text{dBm}/\text{Chain 2})/10^{\text{Log}}) + ((\text{dBm}/\text{Chain N})/10^{\text{Log}}) = \text{Combined peak output power in mW}$. Besides, same formula is also applied to CDD (cyclic delay diversity) mode; please address it as well if CDD mode is supported.

Response: Based on the previous same test software setting, the 2 Tx, and 3 Tx were re-measured individual chain, and then calculated by using the formula, please find it at Please find the section 2.2. The CDD is not applicable, because the Intel original module approval test report, FCC ID: PD9533ANM, does not support it.

Q#8: According to host user manual, the LCD panel can be rotated 180 degree as a tablet PC that x, y, z three planes should also be verified during radiated emission test to demonstrate the compliance. Please address.

Response: The other 2 test planes, E1 and E2, were found to be compliant with the limit during pre-testing process and only H plane data is reported for both tablet and laptop mode.