

Dear Sir / Madam, Please find below responses for DTS Test 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 2.1 at page 9 ~ 13 / 202 , 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  $((\text{dBm}/\text{Chain 1})/10^{\log}) + ((\text{dBm}/\text{Chain 2})/10^{\log}) + ((\text{dBm}/\text{Chain N})/10^{\log}) = \text{Combined peak output power in mW}$ .

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 page 9 / 202, section 2.1. 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.

Q#9: Per 15.31, L/M/H channels are required to be investigated, especially for radiated emission test. And look into the test report, some modes, for example, g mode was only

investigated its low and high channel which are not enough. Please go over the test report and do the necessary test accordingly.

**Response:** Please find the test report at page 15 / 202, the L/M/H channels have been investigated, and test results as shown section 3.6.

Q#10: The radiated emission band edge test mode indicated in page 10 doesn't agree with the test data behind, please correct.

**Response:** Please find the section 3.3 band edge measurement, all of modes have been investigated. The test modes are totally 30 modes for legacy modes (802.11abg) and MIMO modes (SISO, 2 Tx, and 3 Tx) for 1,3,4,6,7,9,10,12,13,15,16,18,19,21,22,24,25,27,28,30,31, 33,34,36,37,38,39,40,41,42.

And please confirm that the band edge test result measured in HT-20 and HT-40 was set to 3x3 MIMO mode. Also, if applied, please provide additional radiated emission test data to include spurious emission and band edge tests under SISO mode and 2 transmitter chains mode.

**Response:** Yes, those are included.

For 2Tx, the spurious emission measurement were tested at test mode 10,11,12,19,20,21, 31, 32,33, 39,40 and band edge at 10,12,19,21,31,33,39,40 those the test results are compliant with the FCC limits.

For 3Tx, the spurious emission measurement were tested at test mode 13,14,15,22,23,24,34,35,36,41,42 and band edge at 13,15 ,22,24,34,36,41,42 those the test results are compliant with the FCC limits.