

			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
Ant2	5240		NV	0	-20000.00	-3.816794	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.816794	20	PASS
Ant3	5240		NV	10	-20000.00	-3.816794	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.816794	20	PASS
			NV	0	-20000.00	-3.816794	20	PASS
			NV	10	-20000.00	-3.816794	20	PASS
Ant4	5240		NV	20	-20000.00	-3.816794	20	PASS
			NV	30	-20000.00	-3.816794	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	20000.00	3.802281	20	PASS
			NV	10	-20000.00	-3.802281	20	PASS
			NV	20	-20000.00	-3.802281	20	PASS
Ant1	5260		NV	30	-20000.00	-3.802281	20	PASS
			NV	40	-20000.00	-3.802281	20	PASS
			NV	0	-20000.00	-3.802281	20	PASS
			NV	10	-20000.00	-3.802281	20	PASS
			NV	20	-20000.00	-3.802281	20	PASS
			NV	30	0.00	0.000000	20	PASS
Ant2	5260		NV	40	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.802281	20	PASS
			NV	10	-20000.00	-3.802281	20	PASS
			NV	20	-20000.00	-3.802281	20	PASS
			NV	30	-20000.00	-3.802281	20	PASS
			NV	40	-20000.00	-3.802281	20	PASS
Ant3	5260		NV	0	-20000.00	-3.802281	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.802281	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.802281	20	PASS
			NV	0	-20000.00	-3.802281	20	PASS
Ant4	5260		NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.802281	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.802281	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.787879	20	PASS
Ant1	5280		NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.787879	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.787879	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.787879	20	PASS
Ant2	5280		NV	30	-20000.00	-3.787879	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.787879	20	PASS
			NV	10	-20000.00	-3.787879	20	PASS
			NV	20	-20000.00	-3.787879	20	PASS
			NV	30	0.00	0.000000	20	PASS
Ant3	5280		NV	40	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.787879	20	PASS
			NV	10	-20000.00	-3.787879	20	PASS
			NV	20	-20000.00	-3.787879	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
Ant4	5280		NV	0	-20000.00	-3.787879	20	PASS
			NV	10	-20000.00	-3.787879	20	PASS
			NV	20	-20000.00	-3.787879	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.787879	20	PASS
			NV	0	-20000.00	-3.759398	20	PASS
Ant1	5320		NV	10	-20000.00	-3.759398	20	PASS
			NV	20	-20000.00	-3.759398	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.759398	20	PASS
			NV	0	-20000.00	-3.759398	20	PASS
			NV	10	0.00	0.000000	20	PASS
Ant2	5320		NV	20	-20000.00	-3.759398	20	PASS
			NV	30	0.00	0.000000	20	PASS

			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.759398	20	PASS
			NV	40	-20000.00	-3.759398	20	PASS
	Ant3	5320	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.759398	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.759398	20	PASS
	Ant4	5320	NV	0	-20000.00	-3.759398	20	PASS
			NV	10	-20000.00	-3.759398	20	PASS
			NV	20	-20000.00	-3.759398	20	PASS
			NV	30	-20000.00	-3.759398	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant1	5500	NV	0	-20000.00	-3.636364	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.636364	20	PASS
			NV	30	-20000.00	-3.636364	20	PASS
			NV	40	-20000.00	-3.636364	20	PASS
	Ant2	5500	NV	0	-20000.00	-3.636364	20	PASS
			NV	10	-20000.00	-3.636364	20	PASS
			NV	20	-20000.00	-3.636364	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.636364	20	PASS
	Ant3	5500	NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.636364	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant4	5500	NV	0	0.00	0.000000	20	PASS
			NV	10	20000.00	3.636364	20	PASS
			NV	20	-20000.00	-3.636364	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant1	5580	NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.584229	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.584229	20	PASS
			NV	40	-20000.00	-3.584229	20	PASS
	Ant2	5580	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.584229	20	PASS
			NV	30	-20000.00	-3.584229	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant3	5580	NV	0	-20000.00	-3.584229	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.584229	20	PASS
			NV	30	-20000.00	-3.584229	20	PASS
			NV	40	-40000.00	-7.168459	20	PASS
	Ant4	5580	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-7.168459	20	PASS
			NV	30	-20000.00	-3.584229	20	PASS
			NV	40	-20000.00	-3.584229	20	PASS
	Ant1	5700	NV	0	-20000.00	-3.508772	20	PASS
			NV	10	-20000.00	-3.508772	20	PASS
			NV	20	-20000.00	-3.508772	20	PASS
			NV	30	-20000.00	-3.508772	20	PASS
			NV	40	-20000.00	-3.508772	20	PASS
	Ant2	5700	NV	0	-20000.00	-3.508772	20	PASS
			NV	10	-20000.00	-3.508772	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.508772	20	PASS
			NV	40	-20000.00	-3.508772	20	PASS
	Ant3	5700	NV	0	-40000.00	-7.017544	20	PASS

			NV	10	-20000.00	-3.508772	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.508772	20	PASS
			NV	40	-40000.00	-7.017544	20	PASS
Ant4	5700		NV	0	-20000.00	-3.508772	20	PASS
			NV	10	-20000.00	-3.508772	20	PASS
			NV	20	-20000.00	-3.508772	20	PASS
			NV	30	-20000.00	-3.508772	20	PASS
			NV	40	-20000.00	-3.508772	20	PASS
			NV	0	20000.00	3.496503	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
Ant1	5720		NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.496503	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.496503	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.496503	20	PASS
			NV	0	0.00	0.000000	20	PASS
Ant2	5720		NV	10	-20000.00	-3.496503	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.496503	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.496503	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
Ant3	5720		NV	40	-20000.00	-3.496503	20	PASS
			NV	0	-20000.00	-3.496503	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.496503	20	PASS
			NV	0	-20000.00	-3.496503	20	PASS
			NV	10	0.00	0.000000	20	PASS
Ant4	5720		NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.496503	20	PASS
			NV	0	-20000.00	-3.481288	20	PASS
			NV	10	-20000.00	-3.481288	20	PASS
			NV	20	-20000.00	-3.481288	20	PASS
			NV	30	-20000.00	-3.481288	20	PASS
			NV	40	-20000.00	-3.481288	20	PASS
Ant1	5745		NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.481288	20	PASS
			NV	40	-20000.00	-3.481288	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
Ant2	5745		NV	30	-20000.00	-3.481288	20	PASS
			NV	40	-20000.00	-3.481288	20	PASS
			NV	0	-20000.00	-3.481288	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
Ant3	5745		NV	10	-20000.00	-3.481288	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.481288	20	PASS
			NV	30	-20000.00	-3.481288	20	PASS
Ant4	5745		NV	40	-40000.00	-6.962576	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.457217	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.457217	20	PASS
			NV	10	-20000.00	-3.457217	20	PASS
Ant1	5785		NV	20	-20000.00	-3.457217	20	PASS
			NV	30	-20000.00	-3.457217	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.457217	20	PASS
			NV	10	-20000.00	-3.457217	20	PASS
			NV	20	-20000.00	-3.457217	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.457217	20	PASS
Ant2	5785		NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.457217	20	PASS
			NV	20	-20000.00	-3.457217	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.457217	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.457217	20	PASS
			NV	20	-20000.00	-3.457217	20	PASS
Ant3	5785		NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.457217	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.457217	20	PASS

11N40MIMO	Ant4	5785	NV	0	-20000.00	-3.457217	20	PASS
			NV	10	-20000.00	-3.457217	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.457217	20	PASS
	Ant1	5825	NV	0	-20000.00	-3.433476	20	PASS
			NV	10	-20000.00	-3.433476	20	PASS
			NV	20	-20000.00	-3.433476	20	PASS
			NV	30	-20000.00	-3.433476	20	PASS
			NV	40	-20000.00	-3.433476	20	PASS
	Ant2	5825	NV	0	-20000.00	-3.433476	20	PASS
			NV	10	-20000.00	-3.433476	20	PASS
			NV	20	-20000.00	-3.433476	20	PASS
			NV	30	-20000.00	-3.433476	20	PASS
			NV	40	-20000.00	-3.433476	20	PASS
	Ant3	5825	NV	0	-20000.00	-3.433476	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-40000.00	-6.866953	20	PASS
	Ant4	5825	NV	0	-20000.00	-3.433476	20	PASS
			NV	10	-20000.00	-3.433476	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.433476	20	PASS
			NV	40	-20000.00	-3.433476	20	PASS
	Ant1	5190	NV	0	-40000.00	-7.707129	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant2	5190	NV	0	-40000.00	-7.707129	20	PASS
			NV	10	-40000.00	-7.707129	20	PASS
			NV	20	-40000.00	-7.707129	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-80000.00	-15.414258	20	PASS
	Ant3	5190	NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.707129	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.707129	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant4	5190	NV	0	-40000.00	-7.707129	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-40000.00	-7.707129	20	PASS
	Ant1	5230	NV	0	-40000.00	-7.648184	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.648184	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant2	5230	NV	0	-40000.00	-7.648184	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-80000.00	-15.296367	20	PASS
	Ant3	5230	NV	0	-40000.00	-7.648184	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-7.648184	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-40000.00	-7.648184	20	PASS
	Ant4	5230	NV	0	-40000.00	-7.648184	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.648184	20	PASS

	Ant1	5270	NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-40000.00	-7.590133	20	PASS
	Ant2	5270	NV	0	-40000.00	-7.590133	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	40000.00	7.590133	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	-40000.00	-7.590133	20	PASS
	Ant3	5270	NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	40000.00	7.590133	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	-40000.00	-7.590133	20	PASS
			NV	10	0.00	0.000000	20	PASS
	Ant4	5270	NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
	Ant1	5310	NV	30	0.00	0.000000	20	PASS
			NV	40	40000.00	7.532957	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.532957	20	PASS
			NV	20	-40000.00	-7.532957	20	PASS
			NV	30	0.00	0.000000	20	PASS
	Ant2	5310	NV	40	-40000.00	-7.532957	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-7.532957	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant3	5310	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-7.532957	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
	Ant4	5310	NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.532957	20	PASS
			NV	40	40000.00	7.532957	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	40000.00	7.259528	20	PASS
	Ant1	5510	NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.259528	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	40000.00	7.259528	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	40000.00	7.259528	20	PASS
	Ant2	5510	NV	30	0.00	0.000000	20	PASS
			NV	40	-40000.00	-7.259528	20	PASS
			NV	0	40000.00	7.259528	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
	Ant3	5510	NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant4	5510	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	-40000.00	-7.207207	20	PASS
	Ant1	5550	NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-7.207207	20	PASS

			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant2	5550	NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.207207	20	PASS
			NV	20	40000.00	7.207207	20	PASS
			NV	30	-40000.00	-7.207207	20	PASS
			NV	40	-40000.00	-7.207207	20	PASS
			NV	0	-40000.00	-7.207207	20	PASS
	Ant3	5550	NV	10	-40000.00	-7.207207	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	-40000.00	-7.207207	20	PASS
			NV	10	0.00	0.000000	20	PASS
	Ant4	5550	NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	-40000.00	-7.054674	20	PASS
			NV	10	-80000.00	-14.109347	20	PASS
			NV	20	0.00	0.000000	20	PASS
	Ant1	5670	NV	30	0.00	0.000000	20	PASS
			NV	40	-40000.00	-7.054674	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.054674	20	PASS
			NV	20	-40000.00	-7.054674	20	PASS
			NV	30	-40000.00	-7.054674	20	PASS
	Ant2	5670	NV	40	-40000.00	-7.054674	20	PASS
			NV	0	-40000.00	-7.054674	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.054674	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant3	5670	NV	0	-40000.00	-7.054674	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-7.054674	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	-40000.00	-7.054674	20	PASS
	Ant4	5670	NV	10	0.00	0.000000	20	PASS
			NV	20	-40000.00	-7.054674	20	PASS
			NV	30	-40000.00	-7.054674	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	-40000.00	-7.052627	20	PASS
			NV	10	-20000.00	-3.502627	20	PASS
	Ant1	5710	NV	20	-20000.00	-3.502627	20	PASS
			NV	30	-20000.00	-3.502627	20	PASS
			NV	40	-20000.00	-3.502627	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.502627	20	PASS
	Ant2	5710	NV	30	-20000.00	-3.502627	20	PASS
			NV	40	-20000.00	-3.502627	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.502627	20	PASS
			NV	20	-20000.00	-3.502627	20	PASS
			NV	30	-20000.00	-3.502627	20	PASS
	Ant3	5710	NV	40	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.502627	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.502627	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant4	5710	NV	0	-20000.00	-3.502627	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.502627	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
	Ant1	5755	NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-6.950478	20	PASS

11AC80MIMO			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-6.950478	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant3	5755	NV	0	40000.00	6.950478	20	PASS
			NV	10	40000.00	6.950478	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant4	5755	NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-6.950478	20	PASS
			NV	20	-40000.00	-6.950478	20	PASS
			NV	30	-40000.00	-6.950478	20	PASS
			NV	40	-40000.00	-6.950478	20	PASS
	Ant1	5795	NV	0	-40000.00	-6.902502	20	PASS
			NV	10	-40000.00	-6.902502	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-6.902502	20	PASS
			NV	40	-40000.00	-6.902502	20	PASS
	Ant2	5795	NV	0	-40000.00	-6.902502	20	PASS
			NV	10	-40000.00	-6.902502	20	PASS
			NV	20	-40000.00	-6.902502	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant3	5795	NV	0	-40000.00	-6.902502	20	PASS
			NV	10	-40000.00	-6.902502	20	PASS
			NV	20	-40000.00	-6.902502	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-40000.00	-6.902502	20	PASS
	Ant4	5795	NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-6.902502	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-40000.00	-6.902502	20	PASS
			NV	40	0.00	0.000000	20	PASS
11AC80MIMO	Ant1	5210	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant2	5210	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant3	5210	NV	0	0.00	0.000000	20	PASS
			NV	10	80000.00	15.355086	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant4	5210	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant1	5290	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant2	5290	NV	0	0.00	0.000000	20	PASS
			NV	10	80000.00	15.122873	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant3	5290	NV	0	0.00	0.000000	20	PASS

			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
Ant4	5290		NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
Ant1	5530		NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
Ant2	5530		NV	10	80000.00	14.466546	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	80000.00	14.466546	20	PASS
Ant3	5530		NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
Ant4	5530		NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
Ant1	5610		NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-80000.00	-14.260250	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-80000.00	-14.260250	20	PASS
			NV	20	-80000.00	-14.260250	20	PASS
Ant2	5610		NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	80000.00	14.260250	20	PASS
			NV	0	0.00	0.000000	20	PASS
Ant3	5610		NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	80000.00	14.260250	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
Ant4	5610		NV	40	80000.00	14.260250	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	80000.00	14.260250	20	PASS
			NV	0	-20000.00	-3.514938	20	PASS
			NV	10	-20000.00	-3.514938	20	PASS
Ant1	5690		NV	20	-20000.00	-3.514938	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-20000.00	-3.514938	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-20000.00	-3.514938	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.514938	20	PASS
			NV	40	-20000.00	-3.514938	20	PASS
Ant2	5690		NV	0	-20000.00	-3.514938	20	PASS
			NV	10	-20000.00	-3.514938	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.514938	20	PASS
			NV	40	-20000.00	-3.514938	20	PASS
			NV	0	-20000.00	-3.514938	20	PASS
			NV	10	-20000.00	-3.514938	20	PASS
			NV	20	0.00	0.000000	20	PASS
Ant3	5690		NV	30	-40000.00	-7.029877	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.514938	20	PASS
			NV	10	-20000.00	-3.514938	20	PASS

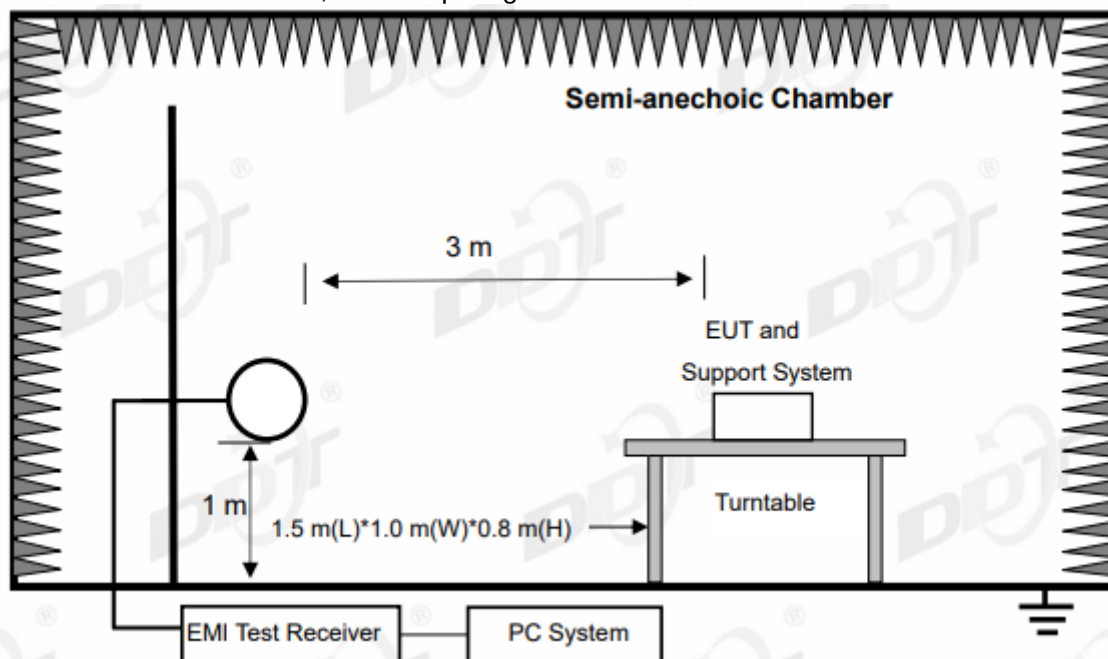
11AC160MIMO	Ant4	5690	NV	0	-20000.00	-3.514938	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-20000.00	-3.514938	20	PASS
			NV	40	-20000.00	-3.514938	20	PASS
	Ant1	5775	NV	0	0.00	0.000000	20	PASS
			NV	10	-80000.00	-13.852814	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-80000.00	-13.852814	20	PASS
	Ant2	5775	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant3	5775	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-80000.00	-13.852814	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant4	5775	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-80000.00	-13.852814	20	PASS
	Ant1	5250	NV	0	0.00	0.000000	20	PASS
			NV	10	-80000.00	-13.852814	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-80000.00	-13.852814	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant2	5250	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant3	5250	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant4	5250	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant1	5570	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant2	5570	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant3	5570	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant4	5570	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS

11BE160MIMO	Ant1	5250	NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant2	5250	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
	Ant3	5250	NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
	Ant4	5250	NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
	Ant1	5570	NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
	Ant2	5570	NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
	Ant3	5570	NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
	Ant4	5570	NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS

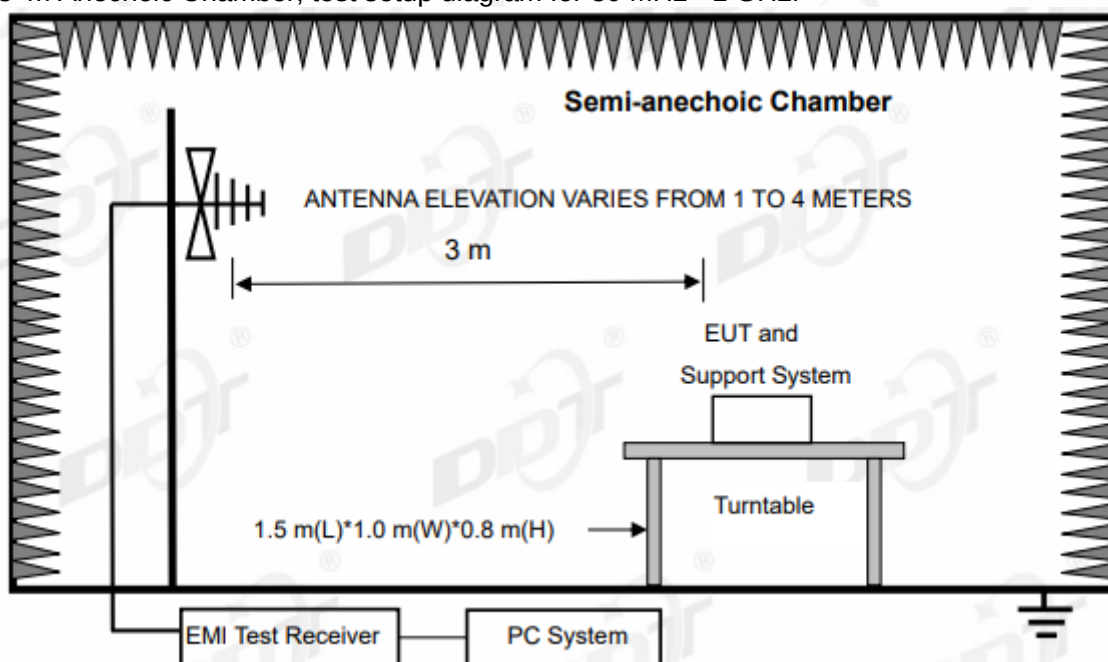
11. Emissions in Restricted Frequency Bands

11.1. Block diagram of test setup

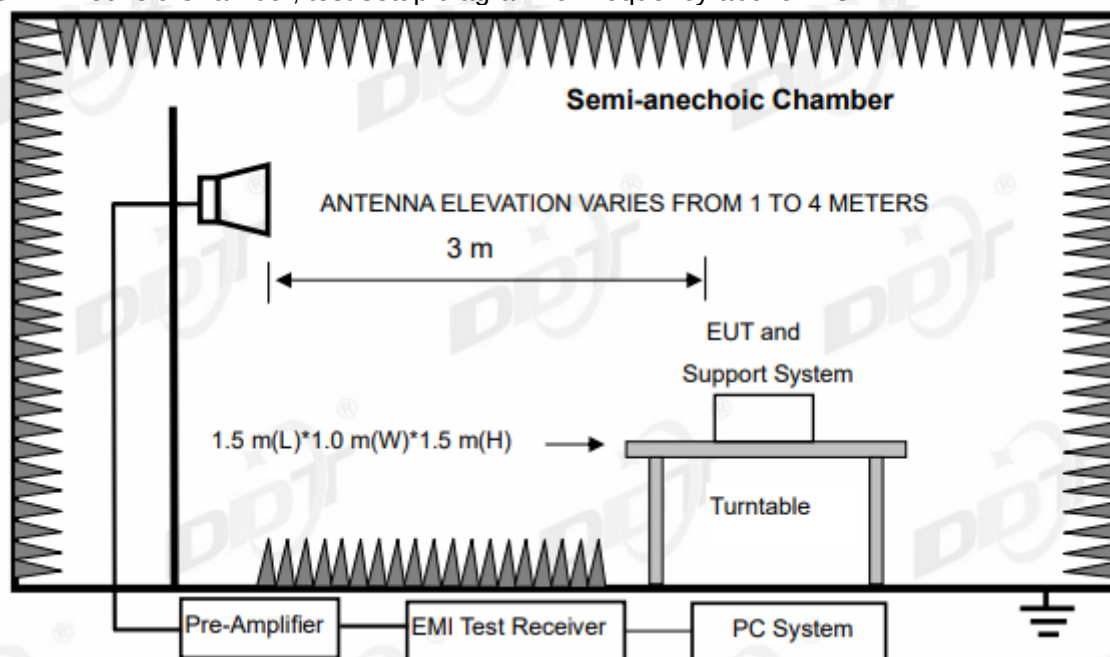
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

11.2. Limit

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6

RSS-Gen section 8.10 Restricted frequency bands*

MHz	MHz	MHz	GHz
0.090-0.110	12.51975-12.52025	240-285	3.5-4.4
0.495-0.505	12.57675-12.57725	322-335.4	4.5-5.15
2.1735-2.1905	13.36-13.41	399.9-410	5.35-5.46
3.020-3.026	16.42-16.423	608-614	7.25-7.75
4.125-4.128	16.69475-16.69525	960-1427	8.025-8.5
4.1772&4.17775	16.80425-16.80475	1435-1626.5	9.0-9.2
4.2072&4.20775	25.5-25.67	1645.5-1646.5	9.3-9.5
5.677-5.683	37.5-38.25	1660-1710	10.6-12.7
6.215-6.218	73-74.6	1718.8-1722.2	13.25-13.4
6.26775-6.26825	74.8-75.2	2200-2300	14.47-14.5
6.31175-6.31225	108-138	2310-2390	15.35-16.2
8.291-8.294	149.9-150.05	2483.5-2500	17.7-21.4
8.362-8.366	156.52475-156.52525	2655-2900	22.01-23.12
8.37625-8.38675	156.7-156.9	3260-3267	23.6-24.0
8.41425-8.41475	162.0125-167.17	3332-3339	31.2-31.8
12.29-12.293	167.72-173.2	3345.8-3358	36.43-36.5
			Above 38.6

* Certain frequency bands listed in table and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

(2) FCC 15.209 Limit & RSS-Gen section 8.9 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3m}(\text{dB}\mu\text{V}/\text{m}) = \text{Limit}_{30m}(\text{dB}\mu\text{V}/\text{m}) + 40\text{Log}(30m/3m)$$

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits

shown in 15.209, and the emissions appearing within RSS-Gen section 8.10 Restricted frequency bands shall not exceed the limits shown in RSS-Gen section 8.9, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits and RSS-Gen section 8.9 limits..

11.3. Test procedure

- (1) EUT height should be 0 m for below 1 GHz at a semi - anechoic chamber while EUT height should be 0 m for above 1GHz at full chamber or semi - anechoic chamber ground with absorbers
- (2) Setup EUT and assistant system according clause 2.3 and 8.2
- (3) Test antenna was located 3m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test distance
9 kHz-30 MHz	Active Loop antenna	3 m
30 MHz-1 GHz	Trilog Broadband Antenna	3 m
1 GHz-18 GHz	Double Ridged Horn Antenna(1GHz-18GHz)	3 m
18 GHz-40 GHz	Horn Antenna(18GHz-40GHz)	1 m

According ANSI C63.10:2013 clause 6.4.4.2 and 6.5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also be positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. for measurement above 30 MHz, the Trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

- (4) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 40 GHz:

- (a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1m above ground.)

- (b) Change work frequency or channel of device if practicable.

- (c) Change modulation type of device if practicable.

- (d) Change power supply range from 85% to 115% of the rated supply voltage

- (e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 40 GHz (tenth harmonic of fundamental frequency) was

investigated, and no any obvious emission were detected from 9 kHz to 30 MHz and 18 GHz to 40 GHz, so below final test was performed with frequency range from 30 MHz to 18 GHz.

- (5) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1m and 4m in order to maximize the emission.

Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.

- (6) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9-90 kHz, 110-490 kHz, for emissions from 9 kHz-90kHz,110kHz-490kHz and above 1GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

- (7) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW

Frequency band	RBW
9 kHz-150 kHz	200 Hz
150 kHz-30 MHz	9 kHz
30 MHz-1 GHz	120 kHz

- (8) For emissions above 1 GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3MHz for Peak measure, the RBW is set at 1 MHz, VBW is set at 10 Hz for AV value.

11.4. Test result

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits and RSS-Gen section 8.9 limits.

Note1: According exploratory test no any obvious emission was detected from 9 kHz to 30 MHz and 18 GHz to 40 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

Note2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in 802.11ax20 mode.

Note3: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit. And the 2.4G+ 5G+6G WIFI is the worst simultaneous case and reported.

Radiated Emission test (below 1GHz)

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-05-25

Tested By: Bairong

EUT: Wireless Access Point

Model Number: RG-RAP73HD

Test Mode: TX Mode

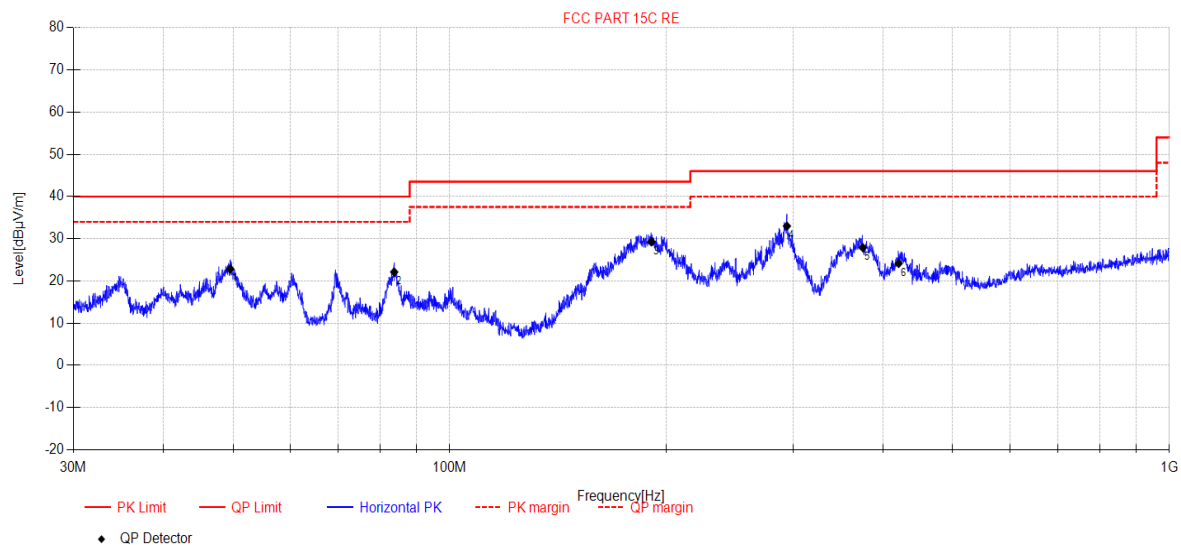
Power Supply: AC 120V/60Hz

Condition: Temp:24.9°C;Humi:66.2%

Test Site: DDT 3# Chamber

File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC BELOW 1G\20230525-114704_H

Memo:

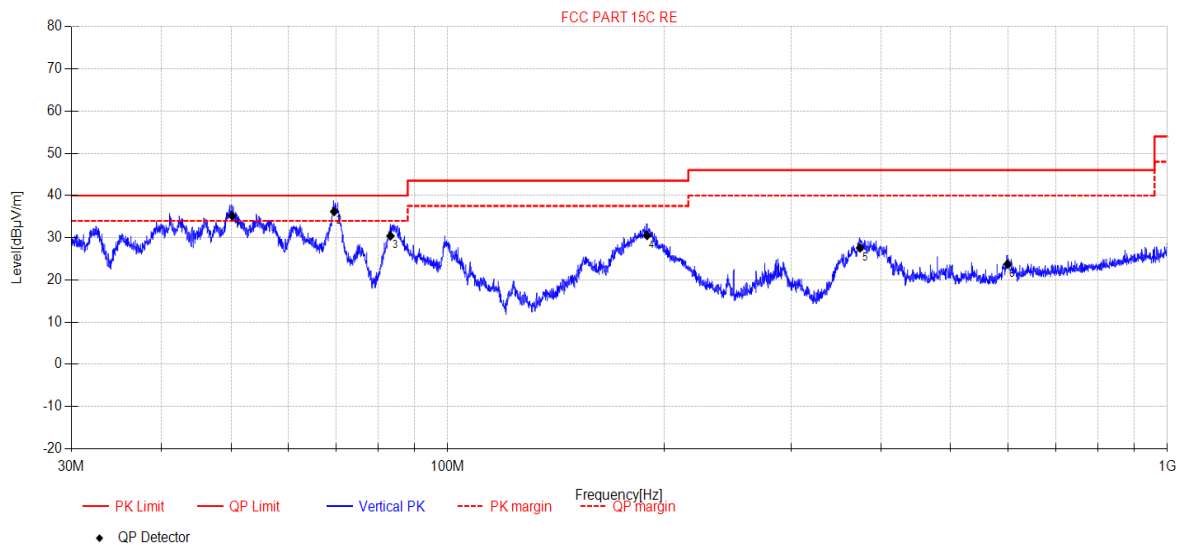


Final Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	49.56	37.25	13.14	4.72	-32.28	22.83	40.00	17.17	QP	Horizontal
2	83.74	41.96	7.55	4.87	-32.26	22.12	40.00	17.88	QP	Horizontal
3	190.60	45.63	10.26	5.65	-32.26	29.28	43.50	14.22	QP	Horizontal
4	294.19	46.1	13.08	6.13	-32.31	33.00	46.00	13.00	QP	Horizontal
5	374.96	38.7	15.00	6.56	-32.35	27.91	46.00	18.09	QP	Horizontal
6	420.65	34.09	15.71	6.75	-32.40	24.15	46.00	21.85	QP	Horizontal

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-05-25**Tested By:** Bairong**EUT:** Wireless Access Point**Model Number:** RG-RAP73HD**Test Mode:** TX Mode**Power Supply:** AC 120V/60Hz**Condition:** Temp:24.9°C;Humi:66.2%**Test Site:** DDT 3# Chamber**File Path:** d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC BELOW 1G\20230525-114749_V**Memo:****Final Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	50.16	49.65	13.10	4.73	-32.28	35.20	40.00	4.80	QP	Vertical
2	69.54	54.99	8.68	4.79	-32.27	36.19	40.00	3.81	QP	Vertical
3	83.27	50.36	7.45	4.86	-32.26	30.41	40.00	9.59	QP	Vertical
4	189.27	47	10.13	5.64	-32.26	30.51	43.50	12.99	QP	Vertical
5	374.17	38.38	14.98	6.56	-32.35	27.57	46.00	18.43	QP	Vertical
6	599.80	30.44	18.70	7.33	-32.72	23.75	46.00	22.25	QP	Vertical

Note:

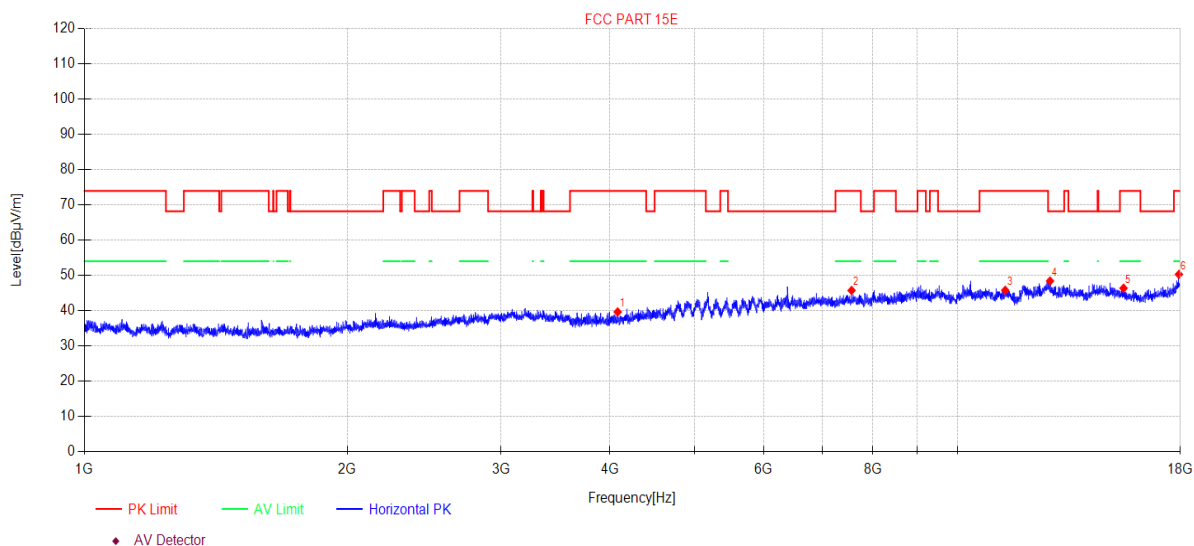
- Result Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

Radiated Emission test (above 1GHz)

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08 **Tested By:** Bairong
EUT: Wireless Access Point **Model Number:** RG-RAP73HD
Test Mode: TX Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\3
Memo: 11AX20MIMO 5180

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4082.07	46.73	3.42	30.86	-41.38	39.63	74.00	34.37	PK	Horizontal
2	7563.60	45.85	4.48	36.40	-41.00	45.73	74.00	28.27	PK	Horizontal
3	11342.27	41.87	4.76	39.10	-39.95	45.78	74.00	28.22	PK	Horizontal
4	12765.43	43.46	5.16	39.47	-39.67	48.42	68.20	19.78	PK	Horizontal
5	15497.29	41.41	6.40	38.60	-40.05	46.36	74.00	27.64	PK	Horizontal
6	17932.50	41.59	7.98	41.39	-40.67	50.29	74.00	23.71	PK	Horizontal

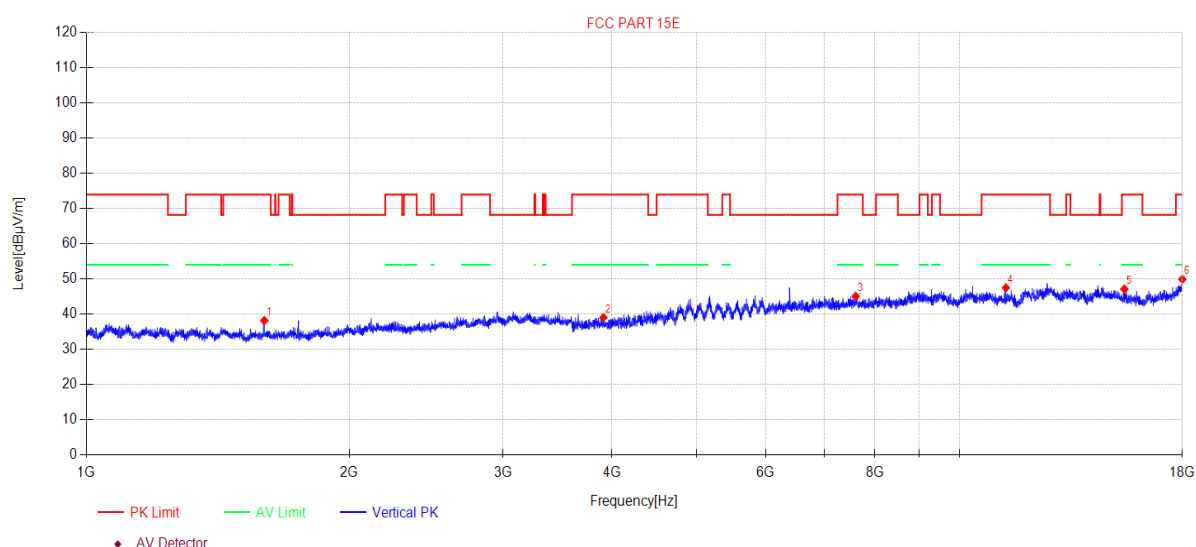
Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08 **Tested By:** Bairong
EUT: Wireless Access Point **Model Number:** RG-RAP73HD
Test Mode: TX Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\4
Memo: 11AX20MIMO 5180

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1598.95	49.93	1.91	25.40	-39.10	38.14	74.00	35.86	PK	Vertical
2	3910.01	46.55	3.28	30.52	-41.35	39.00	74.00	35.00	PK	Vertical
3	7605.24	45.15	4.49	36.41	-41.00	45.05	74.00	28.95	PK	Vertical
4	11303.00	43.64	4.76	39.10	-40.02	47.48	74.00	26.52	PK	Vertical
5	15443.64	42.12	6.35	38.66	-40.01	47.12	74.00	26.88	PK	Vertical
6	18000.00	40.76	8.03	41.80	-40.70	49.89	74.00	24.11	PK	Vertical

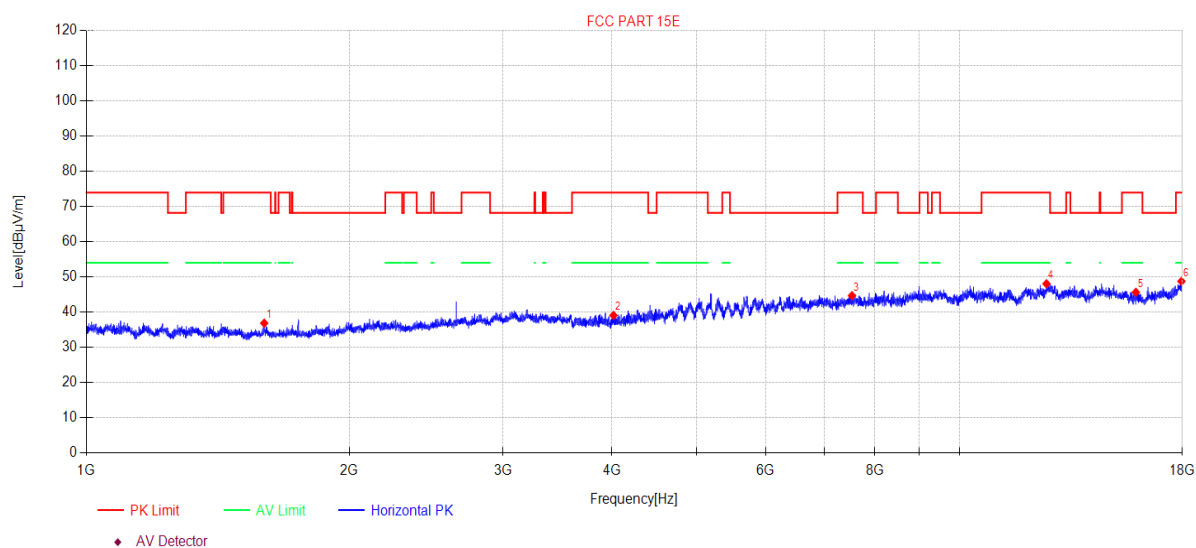
Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08 **Tested By:** Bairong
EUT: Wireless Access Point **Model Number:** RG-RAP73HD
Test Mode: TX Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\5
Memo: 11AX20MIMO 5200

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1598.49	48.64	1.91	25.40	-39.10	36.85	74.00	37.15	PK	Horizontal
2	4015.37	46.43	3.29	30.73	-41.40	39.05	74.00	34.95	PK	Horizontal
3	7530.88	44.80	4.47	36.40	-41.00	44.67	74.00	29.33	PK	Horizontal
4	12578.66	43.31	5.04	39.18	-39.48	48.05	74.00	25.95	PK	Horizontal
5	15924.08	41.18	6.74	38.05	-40.35	45.62	74.00	28.38	PK	Horizontal
6	17958.43	39.87	8.00	41.55	-40.68	48.74	74.00	25.26	PK	Horizontal

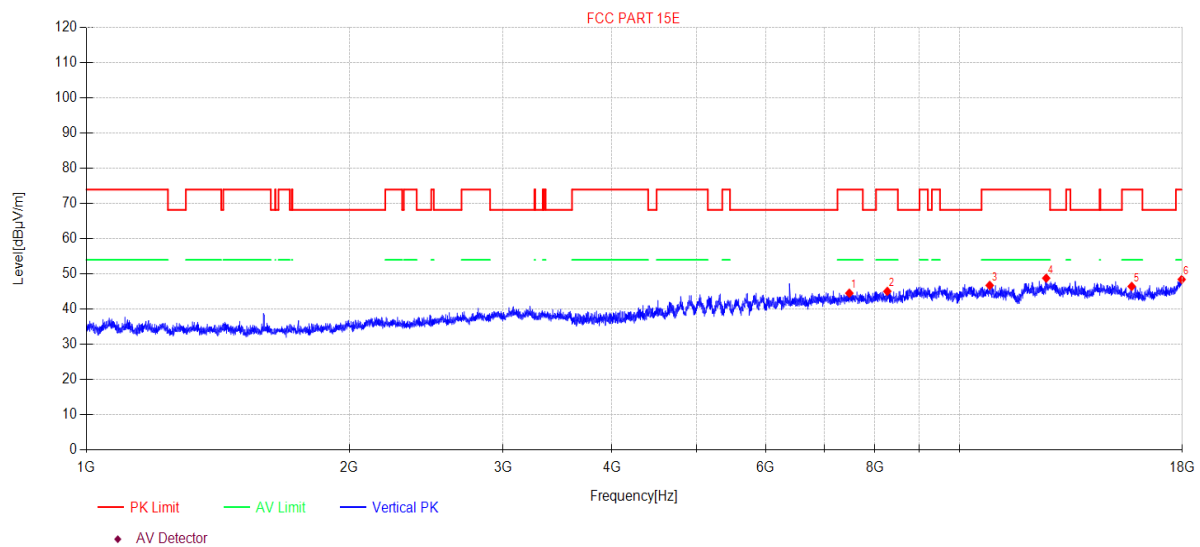
Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08 **Tested By:** Bairong
EUT: Wireless Access Point **Model Number:** RG-RAP73HD
Test Mode: TX Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\6
Memo: 11AX20MIMO 5200

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7478.82	44.63	4.45	36.44	-41.00	44.52	74.00	29.48	PK	Vertical
2	8267.74	43.91	4.56	37.14	-40.57	45.04	74.00	28.96	PK	Vertical
3	10829.73	43.40	4.76	39.10	-40.52	46.74	74.00	27.26	PK	Vertical
4	12571.39	44.05	5.04	39.17	-39.47	48.79	74.00	25.21	PK	Vertical
5	15750.15	41.83	6.60	38.25	-40.23	46.45	74.00	27.55	PK	Vertical
6	17968.81	39.49	8.01	41.61	-40.69	48.42	74.00	25.58	PK	Vertical

Note:

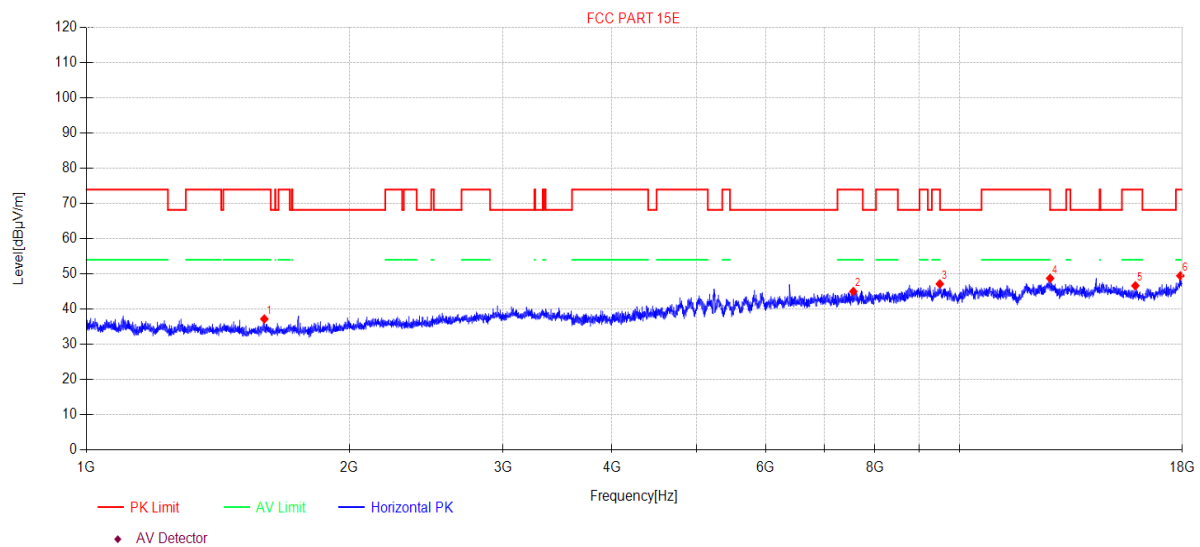
- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08
EUT: Wireless Access Point
Test Mode: TX Mode
Condition: Temp:22.2°C;Humi:56.7%
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\7
Memo: 11AX20MIMO 5240

Tested By: Bairong
Model Number: RG-RAP73HD
Power Supply: AC 120V/60Hz
Test Site: DDT 3# Chamber

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1598.95	48.98	1.91	25.40	-39.10	37.19	74.00	36.81	PK	Horizontal
2	7559.23	45.14	4.48	36.40	-41.00	45.02	74.00	28.98	PK	Horizontal
3	9495.30	44.28	4.46	38.40	-39.99	47.15	74.00	26.85	PK	Horizontal
4	12702.87	43.82	5.12	39.40	-39.60	48.74	68.20	19.46	PK	Horizontal
5	15901.08	42.14	6.72	38.10	-40.33	46.63	74.00	27.37	PK	Horizontal
6	17906.60	40.92	7.96	41.24	-40.66	49.46	74.00	24.54	PK	Horizontal

Note:

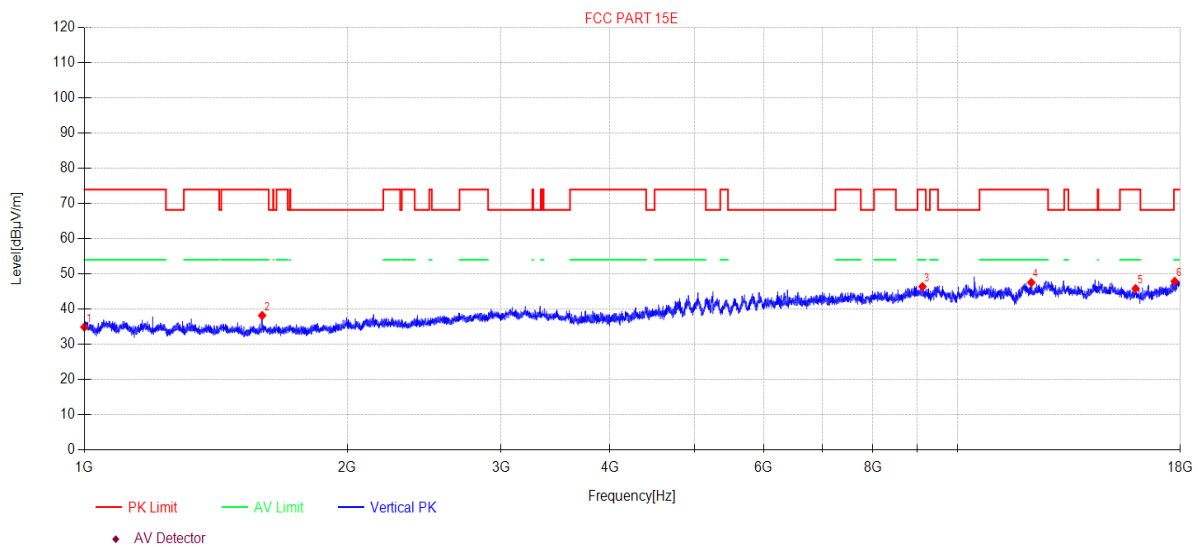
- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08
EUT: Wireless Access Point
Test Mode: TX Mode
Condition: Temp:22.2°C;Humi:56.7%
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\8
Memo: 11AX20MIMO 5240

Tested By: Bairong
Model Number: RG-RAP73HD
Power Supply: AC 120V/60Hz
Test Site: DDT 3# Chamber

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1000.00	46.19	1.50	25.40	-38.20	34.89	74.00	39.11	PK	Vertical
2	1598.49	49.96	1.91	25.40	-39.10	38.17	74.00	35.83	PK	Vertical
3	9118.77	43.29	4.40	38.24	-39.54	46.39	74.00	27.61	PK	Vertical
4	12149.89	42.72	4.77	39.10	-39.05	47.54	74.00	26.46	PK	Vertical
5	15997.88	41.53	6.80	37.90	-40.40	45.83	74.00	28.17	PK	Vertical
6	17736.64	40.57	7.85	40.06	-40.59	47.89	74.00	26.11	PK	Vertical

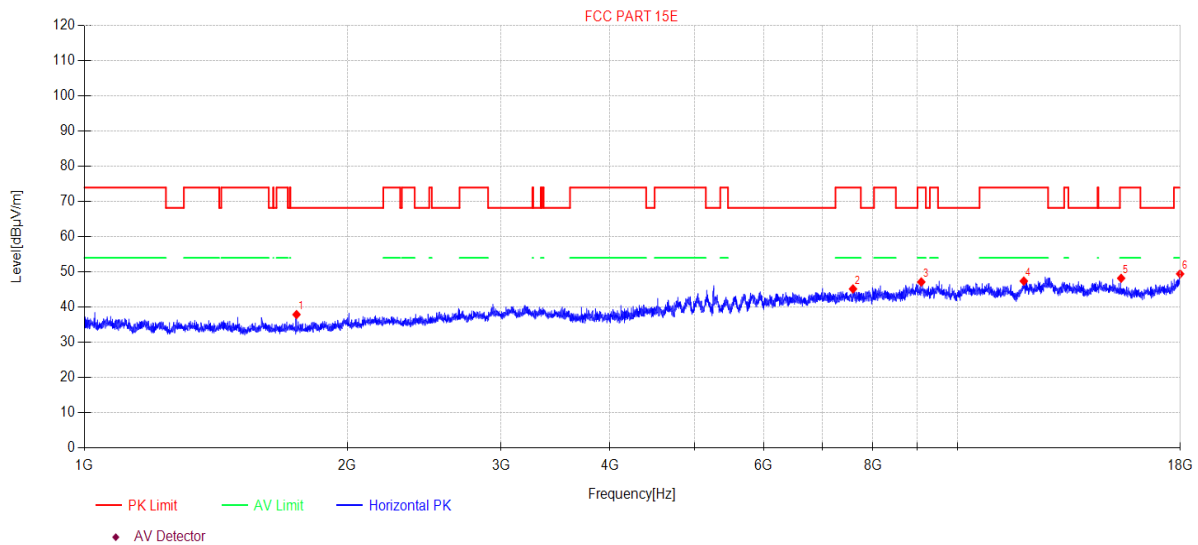
Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08 **Tested By:** Bairong
EUT: Wireless Access Point **Model Number:** RG-RAP73HD
Test Mode: TX Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\9
Memo: 11AX20MIMO 5260

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1749.83	49.78	2.01	25.40	-39.32	37.87	68.20	30.33	PK	Horizontal
2	7592.07	45.28	4.49	36.40	-41.00	45.17	74.00	28.83	PK	Horizontal
3	9089.83	44.05	4.40	38.20	-39.51	47.14	74.00	26.86	PK	Horizontal
4	11913.45	42.93	4.69	38.81	-39.04	47.39	74.00	26.61	PK	Horizontal
5	15399.07	43.15	6.32	38.70	-39.98	48.19	74.00	25.81	PK	Horizontal
6	17989.60	40.38	8.02	41.74	-40.70	49.44	74.00	24.56	PK	Horizontal

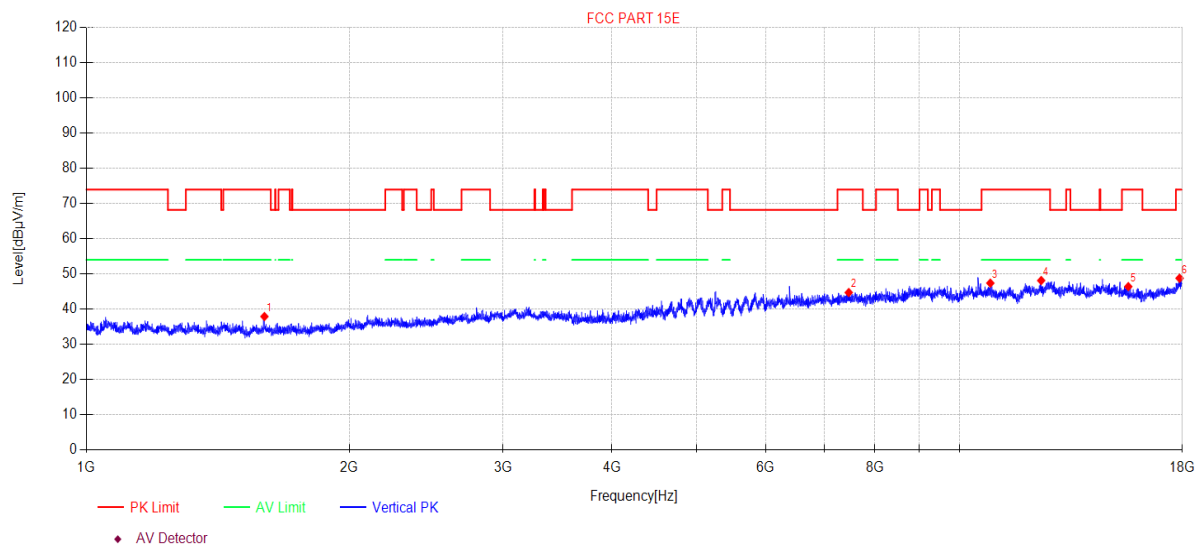
Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08 **Tested By:** Bairong
EUT: Wireless Access Point **Model Number:** RG-RAP73HD
Test Mode: TX Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\10
Memo: 11AX20MIMO 5260

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1599.42	49.68	1.91	25.40	-39.10	37.89	74.00	36.11	PK	Vertical
2	7468.03	44.80	4.45	36.46	-41.00	44.71	74.00	29.29	PK	Vertical
3	10848.53	44.04	4.76	39.10	-40.52	47.38	74.00	26.62	PK	Vertical
4	12405.37	43.39	4.94	39.10	-39.31	48.12	74.00	25.88	PK	Vertical
5	15609.67	41.64	6.49	38.39	-40.13	46.39	74.00	27.61	PK	Vertical
6	17870.42	40.49	7.94	40.99	-40.65	48.77	74.00	25.23	PK	Vertical

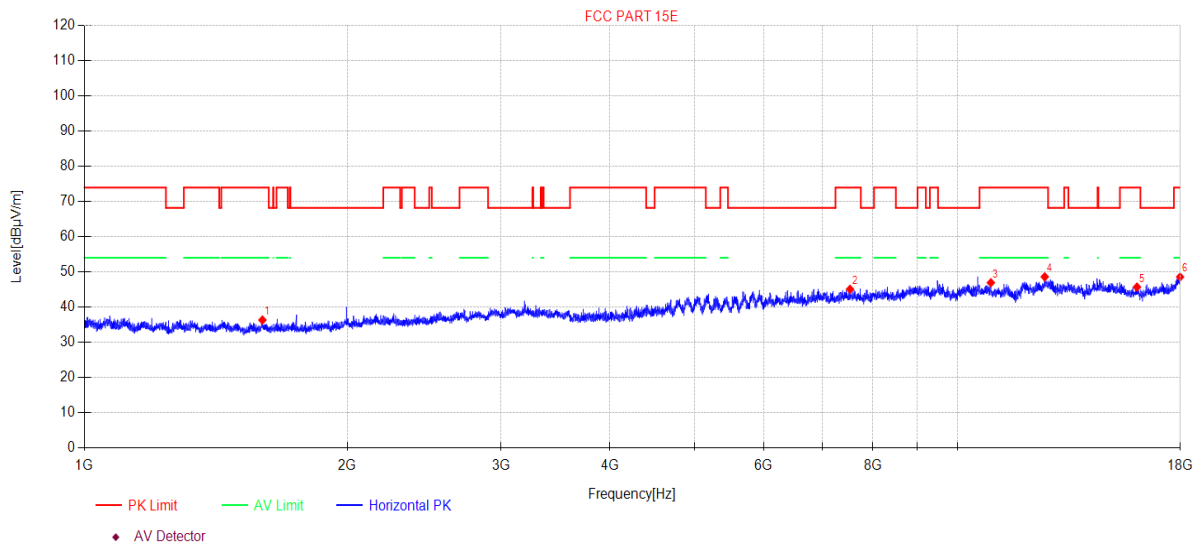
Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08 **Tested By:** Bairong
EUT: Wireless Access Point **Model Number:** RG-RAP73HD
Test Mode: TX Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\11
Memo: 11AX20MIMO 5280

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1599.42	48.11	1.91	25.40	-39.10	36.32	74.00	37.68	PK	Horizontal
2	7533.06	45.20	4.47	36.40	-41.00	45.07	74.00	28.93	PK	Horizontal
3	10920.88	43.56	4.78	39.10	-40.51	46.93	74.00	27.07	PK	Horizontal
4	12589.57	43.86	5.05	39.19	-39.49	48.61	74.00	25.39	PK	Horizontal
5	16053.46	41.40	6.83	37.85	-40.39	45.69	74.00	28.31	PK	Horizontal
6	17989.60	39.51	8.02	41.74	-40.70	48.57	74.00	25.43	PK	Horizontal

Note:

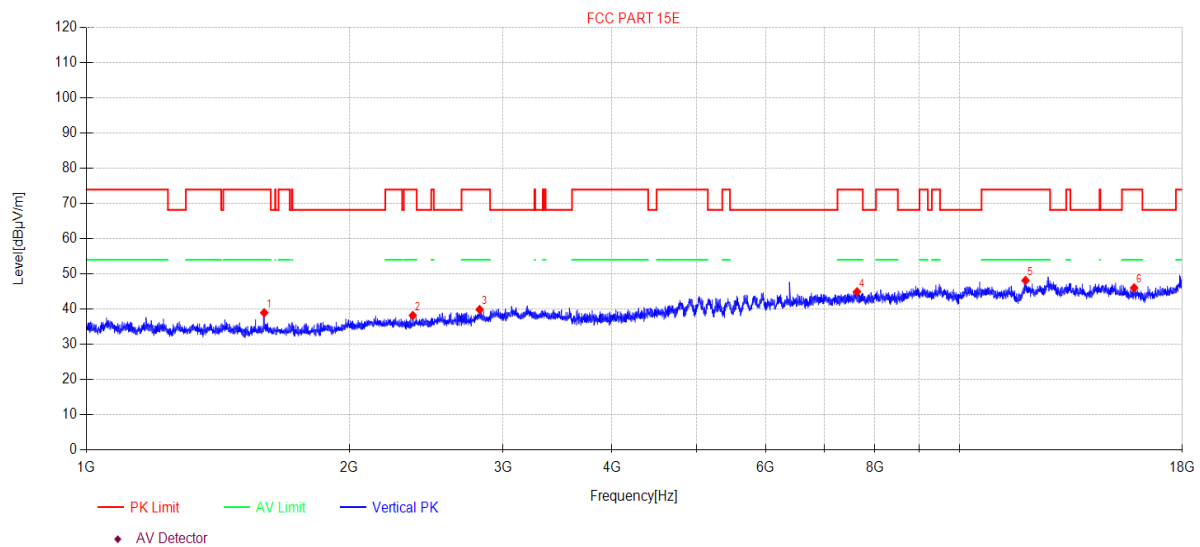
- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08
EUT: Wireless Access Point
Test Mode: TX Mode
Condition: Temp:22.2°C;Humi:56.7%
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\12
Memo: 11AX20MIMO 5280

Tested By: Bairong
Model Number: RG-RAP73HD
Power Supply: AC 120V/60Hz
Test Site: DDT 3# Chamber

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1598.49	50.74	1.91	25.40	-39.10	38.95	74.00	35.05	PK	Vertical
2	2365.42	48.20	2.66	27.43	-40.10	38.19	74.00	35.81	PK	Vertical
3	2821.45	48.63	3.25	28.59	-40.60	39.87	74.00	34.13	PK	Vertical
4	7631.67	44.97	4.50	36.46	-41.00	44.93	74.00	29.07	PK	Vertical
5	11903.12	43.70	4.69	38.80	-39.06	48.13	74.00	25.87	PK	Vertical
6	15850.61	41.52	6.68	38.15	-40.30	46.05	74.00	27.95	PK	Vertical

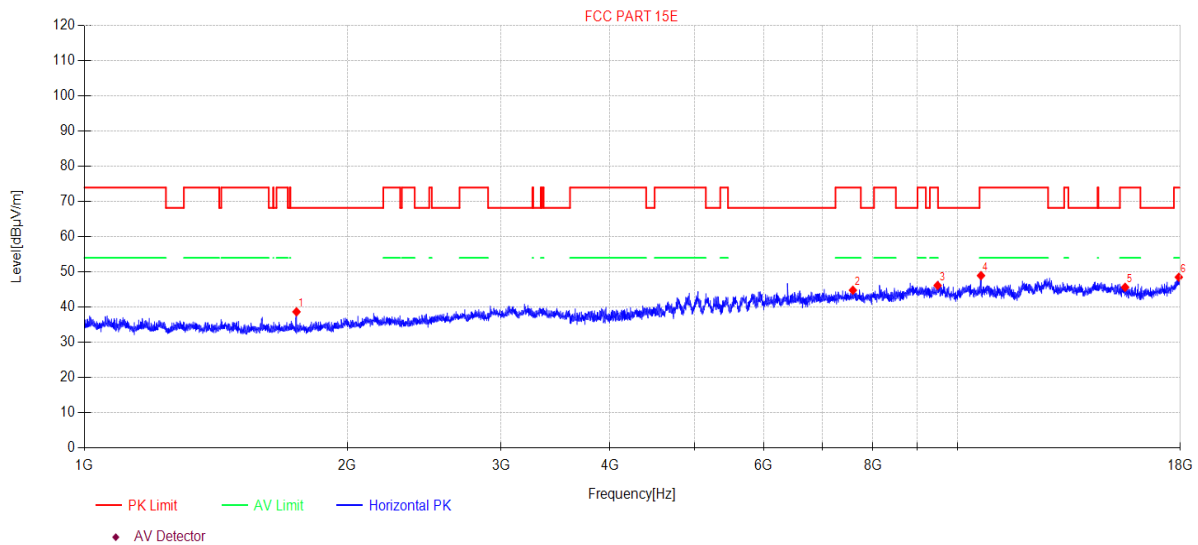
Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08 **Tested By:** Bairong
EUT: Wireless Access Point **Model Number:** RG-RAP73HD
Test Mode: TX Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\13
Memo: 11AX20MIMO 5320

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1749.83	50.56	2.01	25.40	-39.32	38.65	68.20	29.55	PK	Horizontal
2	7589.87	44.91	4.49	36.40	-41.00	44.80	74.00	29.20	PK	Horizontal
3	9489.81	43.27	4.46	38.40	-39.99	46.14	74.00	27.86	PK	Horizontal
4	10640.48	45.74	4.71	39.04	-40.54	48.95	74.00	25.05	PK	Horizontal
5	15560.13	40.79	6.45	38.48	-40.09	45.63	74.00	28.37	PK	Horizontal
6	17927.32	39.83	7.98	41.36	-40.67	48.50	74.00	25.50	PK	Horizontal

Note:

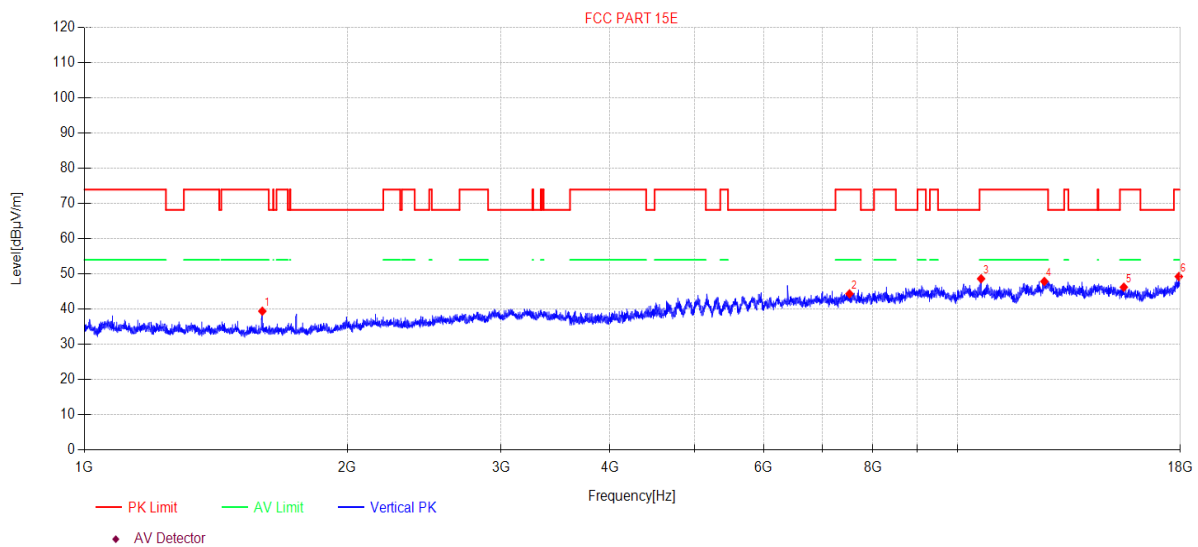
- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08
EUT: Wireless Access Point
Test Mode: TX Mode
Condition: Temp:22.2°C;Humi:56.7%
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\14
Memo: 11AX20MIMO 5320

Tested By: Bairong
Model Number: RG-RAP73HD
Power Supply: AC 120V/60Hz
Test Site: DDT 3# Chamber

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1598.95	51.19	1.91	25.40	-39.10	39.40	74.00	34.60	PK	Vertical
2	7522.18	44.47	4.47	36.40	-41.00	44.34	74.00	29.66	PK	Vertical
3	10643.56	45.41	4.71	39.04	-40.54	48.62	74.00	25.38	PK	Vertical
4	12575.02	43.12	5.04	39.18	-39.48	47.86	74.00	26.14	PK	Vertical
5	15506.26	41.28	6.41	38.59	-40.05	46.23	74.00	27.77	PK	Vertical
6	17927.32	40.58	7.98	41.36	-40.67	49.25	74.00	24.75	PK	Vertical

Note:

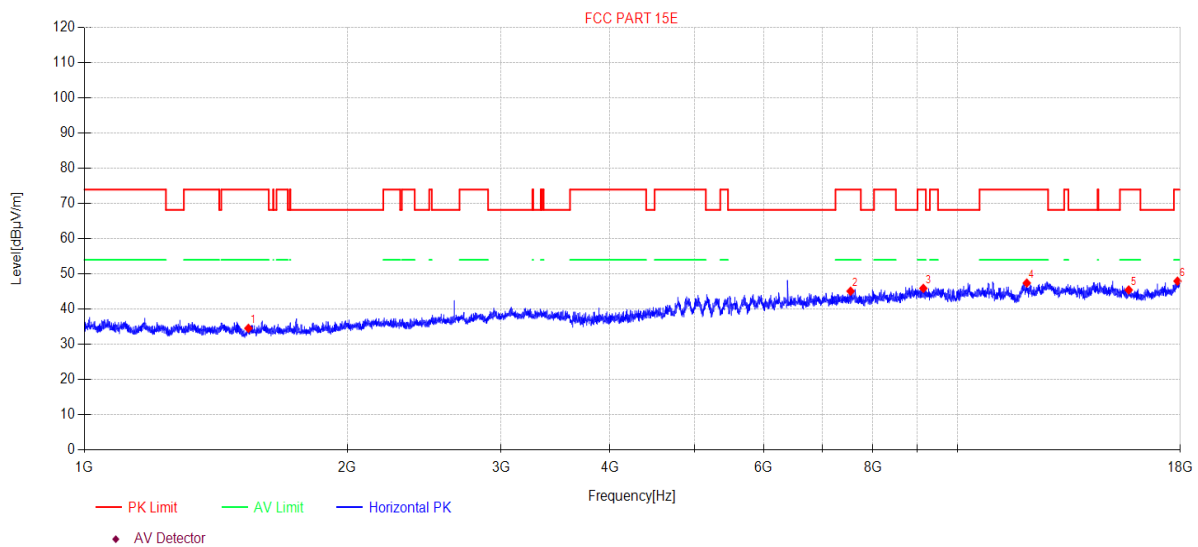
- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08
EUT: Wireless Access Point
Test Mode: TX Mode
Condition: Temp:22.2°C;Humi:56.7%
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\15
Memo: 11AX20MIMO 5500

Tested By: Bairong
Model Number: RG-RAP73HD
Power Supply: AC 120V/60Hz
Test Site: DDT 3# Chamber

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1541.33	46.25	1.87	25.42	-39.01	34.53	74.00	39.47	PK	Horizontal
2	7543.95	45.21	4.47	36.40	-41.00	45.08	74.00	28.92	PK	Horizontal
3	9139.88	42.78	4.40	38.28	-39.57	45.89	74.00	28.11	PK	Horizontal
4	12006.78	42.72	4.68	38.91	-38.91	47.40	74.00	26.60	PK	Horizontal
5	15709.24	40.78	6.57	38.29	-40.20	45.44	74.00	28.56	PK	Horizontal
6	17865.25	39.70	7.94	40.96	-40.65	47.95	74.00	26.05	PK	Horizontal

Note:

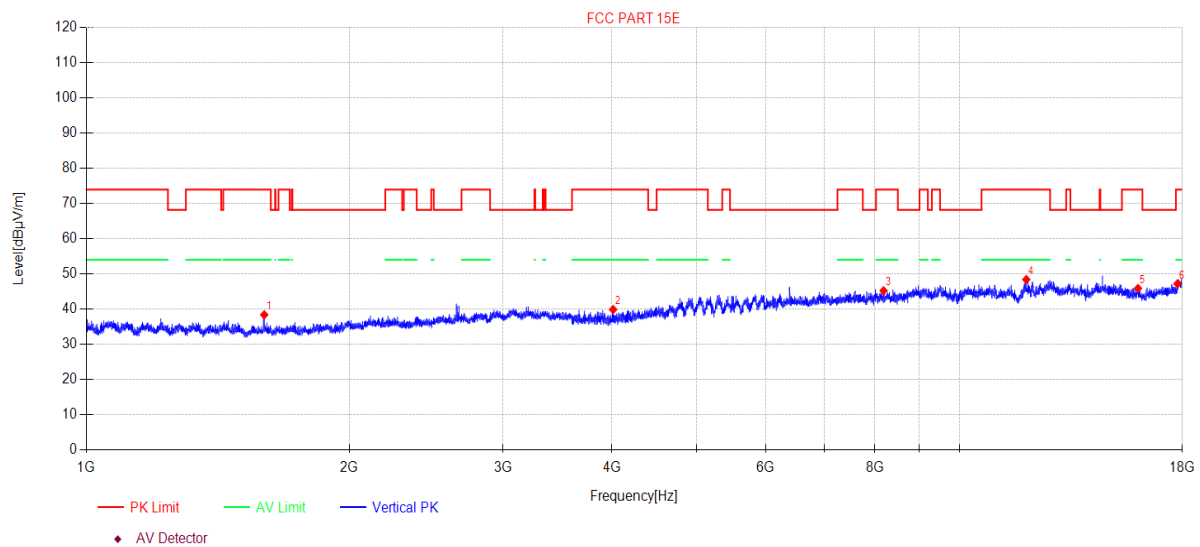
- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08
EUT: Wireless Access Point
Test Mode: TX Mode
Condition: Temp:22.2°C;Humi:56.7%
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\16
Memo: 11AX20MIMO 5500

Tested By: Bairong
Model Number: RG-RAP73HD
Power Supply: AC 120V/60Hz
Test Site: DDT 3# Chamber

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1598.49	50.17	1.91	25.40	-39.10	38.38	74.00	35.62	PK	Vertical
2	4011.89	47.27	3.28	30.72	-41.40	39.87	74.00	34.13	PK	Vertical
3	8186.90	44.28	4.58	37.07	-40.70	45.23	74.00	28.77	PK	Vertical
4	11927.23	43.90	4.69	38.83	-39.02	48.40	74.00	25.60	PK	Vertical
5	16011.76	41.58	6.81	37.89	-40.40	45.88	74.00	28.12	PK	Vertical
6	17772.55	39.63	7.87	40.31	-40.61	47.20	74.00	26.80	PK	Vertical

Note:

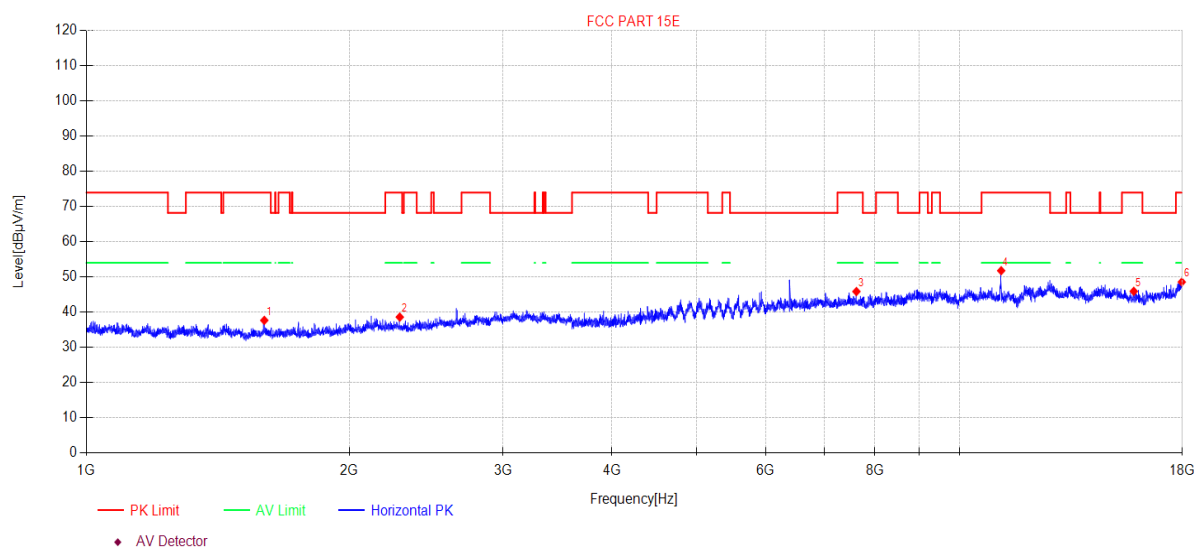
- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08
EUT: Wireless Access Point
Test Mode: TX Mode
Condition: Temp:22.2°C;Humi:56.7%
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\17
Memo: 11AX20MIMO 5580

Tested By: Bairong
Model Number: RG-RAP73HD
Power Supply: AC 120V/60Hz
Test Site: DDT 3# Chamber

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1598.95	49.44	1.91	25.40	-39.10	37.65	74.00	36.35	PK	Horizontal
2	2285.45	48.74	2.55	27.30	-40.01	38.58	74.00	35.42	PK	Horizontal
3	7620.65	45.91	4.50	36.44	-41.00	45.85	74.00	28.15	PK	Horizontal
4	11163.41	48.13	4.78	39.10	-40.24	51.77	74.00	22.23	PK	Horizontal
5	15836.88	41.37	6.67	38.16	-40.29	45.91	74.00	28.09	PK	Horizontal
6	17974.01	39.58	8.01	41.64	-40.69	48.54	74.00	25.46	PK	Horizontal

Note:

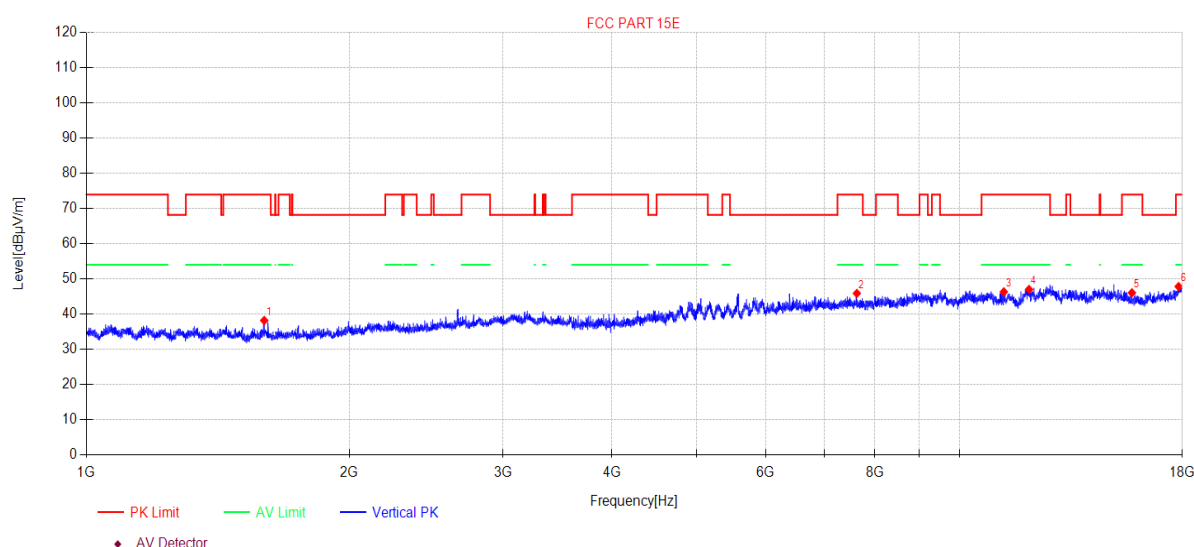
- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08
EUT: Wireless Access Point
Test Mode: TX Mode
Condition: Temp:22.2°C;Humi:56.7%
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\18
Memo: 11AX20MIMO 5580

Tested By: Bairong
Model Number: RG-RAP73HD
Power Supply: AC 120V/60Hz
Test Site: DDT 3# Chamber

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1598.49	49.98	1.91	25.40	-39.10	38.19	74.00	35.81	PK	Vertical
2	7629.46	45.93	4.50	36.46	-41.00	45.89	74.00	28.11	PK	Vertical
3	11241.11	42.55	4.77	39.10	-40.11	46.31	74.00	27.69	PK	Vertical
4	12013.72	42.31	4.69	38.93	-38.91	47.02	74.00	26.98	PK	Vertical
5	15759.26	41.44	6.61	38.24	-40.23	46.06	74.00	27.94	PK	Vertical
6	17823.99	39.88	7.91	40.67	-40.63	47.83	74.00	26.17	PK	Vertical

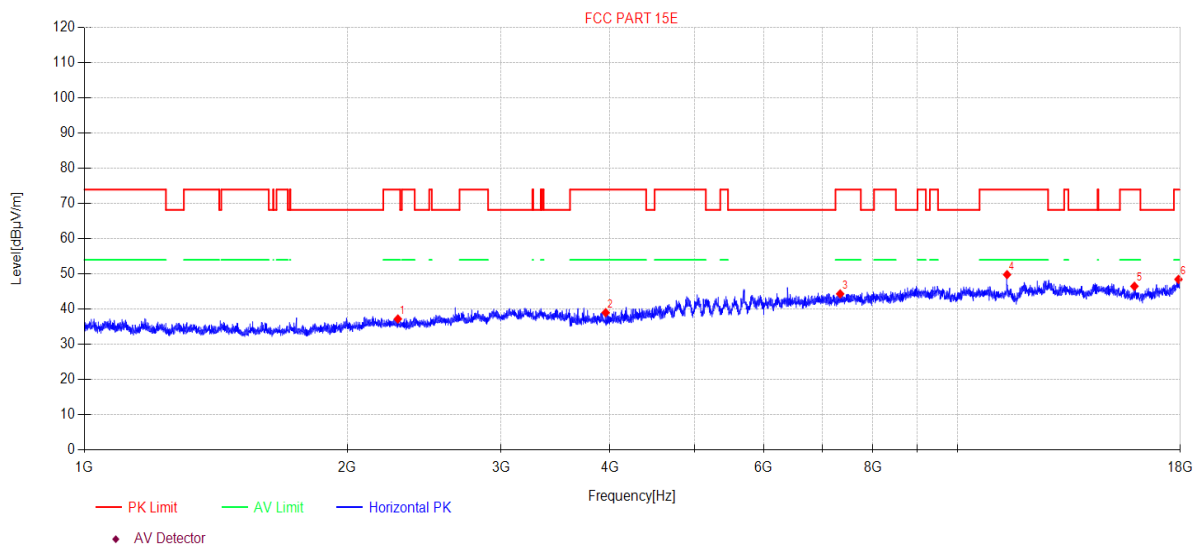
Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08 **Tested By:** Bairong
EUT: Wireless Access Point **Model Number:** RG-RAP73HD
Test Mode: TX Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\19
Memo: 11AX20MIMO 5580

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2286.11	47.35	2.55	27.30	-40.01	37.19	74.00	36.81	PK	Horizontal
2	3954.33	46.48	3.27	30.61	-41.37	38.99	74.00	35.01	PK	Horizontal
3	7339.64	44.42	4.41	36.50	-41.00	44.33	74.00	29.67	PK	Horizontal
4	11398.13	45.80	4.75	39.10	-39.86	49.79	74.00	24.21	PK	Horizontal
5	15947.10	42.08	6.76	38.01	-40.36	46.49	74.00	27.51	PK	Horizontal
6	17911.78	39.86	7.97	41.27	-40.66	48.44	74.00	25.56	PK	Horizontal

Note:

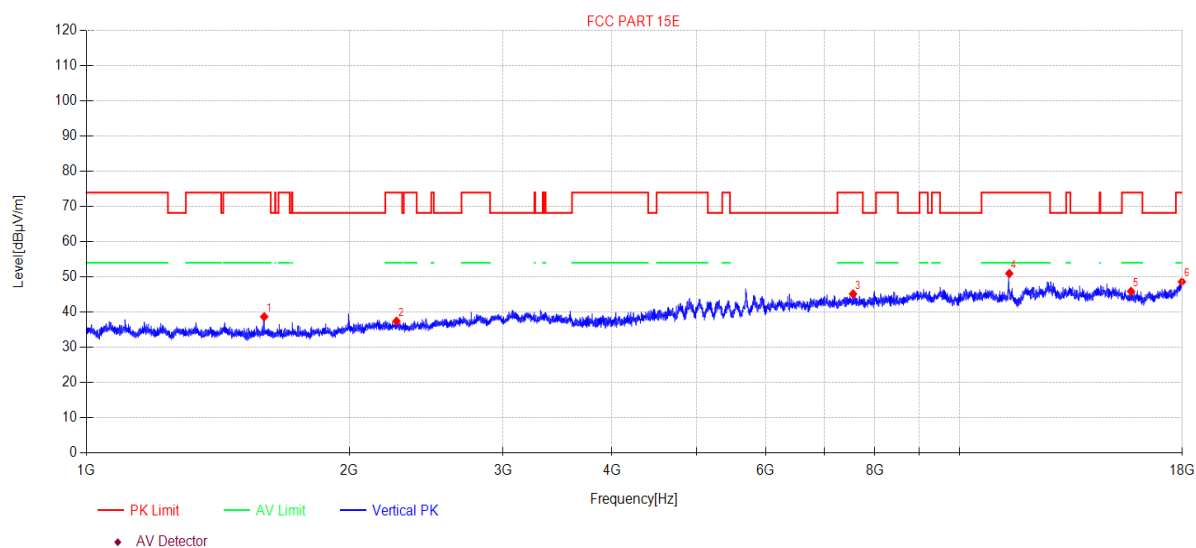
- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08
EUT: Wireless Access Point
Test Mode: TX Mode
Condition: Temp:22.2°C;Humi:56.7%
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\20
Memo: 11AX20MIMO 5580

Tested By: Bairong
Model Number: RG-RAP73HD
Power Supply: AC 120V/60Hz
Test Site: DDT 3# Chamber

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1598.49	50.47	1.91	25.40	-39.10	38.68	74.00	35.32	PK	Vertical
2	2265.72	47.57	2.53	27.30	-39.99	37.41	74.00	36.59	PK	Vertical
3	7552.68	45.29	4.48	36.40	-41.00	45.17	74.00	28.83	PK	Vertical
4	11404.72	46.97	4.75	39.10	-39.85	50.97	74.00	23.03	PK	Vertical
5	15722.86	41.24	6.58	38.28	-40.21	45.89	74.00	28.11	PK	Vertical
6	17979.20	39.60	8.02	41.68	-40.69	48.61	74.00	25.39	PK	Vertical

Note:

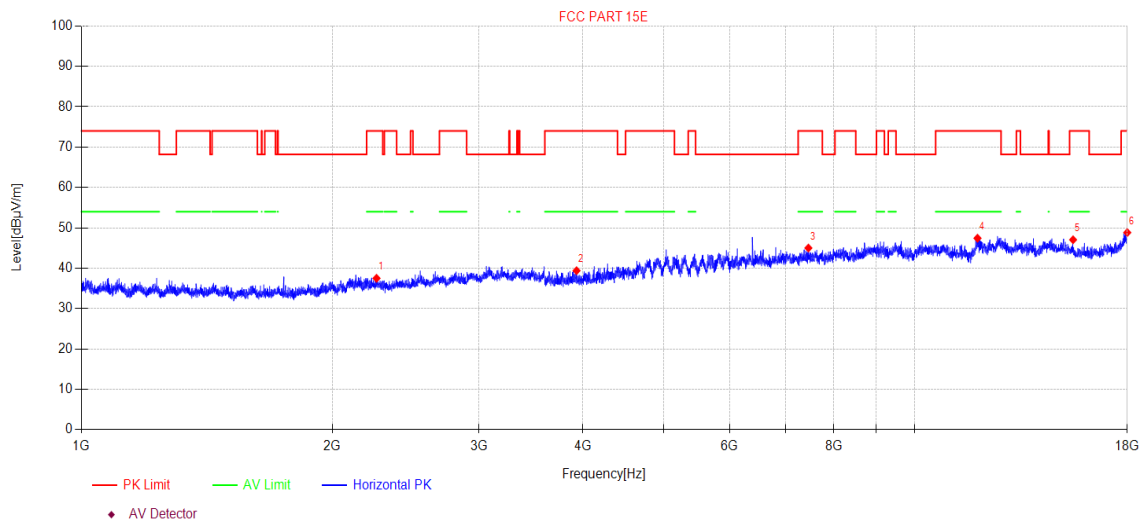
- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-06-27
EUT: Wireless Access Point
Test Mode: TX Mode
Condition: Temp:22.2°C;Humi:56.7%
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\211
Memo: 11AX20MIMO 5720

Tested By: Bairong
Model Number: RG-RAP73HD
Power Supply: AC 120V/60Hz
Test Site: DDT 3# Chamber

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Cable loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2260.49	47.68	2.52	27.30	-39.99	37.51	74.00	36.49	PK	Horizontal
2	3929.27	46.91	3.28	30.56	-41.36	39.39	74.00	34.61	PK	Horizontal
3	7457.24	45.06	4.45	36.49	-41.00	45.00	74.00	29.00	PK	Horizontal
4	11899.68	43.00	4.69	38.80	-39.06	47.43	74.00	26.57	PK	Horizontal
5	15497.29	42.10	6.40	38.60	-40.05	47.05	74.00	26.95	PK	Horizontal
6	18000.00	39.70	8.03	41.80	-40.70	48.83	74.00	25.17	PK	Horizontal

Note:

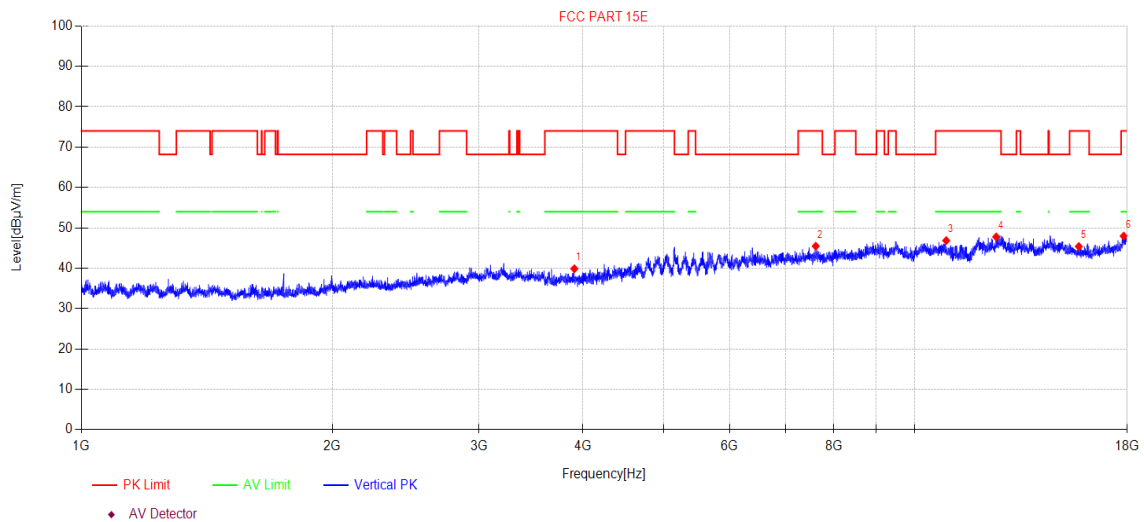
- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-06-27
EUT: Wireless Access Point
Test Mode: TX Mode
Condition: Temp:22.2°C;Humi:56.7%
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G\212
Memo: 11AX20MIMO 5720

Tested By: Bairong
Model Number: RG-RAP73HD
Power Supply: AC 120V/60Hz
Test Site: DDT 3# Chamber

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Cable loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3905.50	47.42	3.28	30.51	-41.34	39.87	74.00	34.13	PK	Vertical
2	7609.64	45.55	4.50	36.42	-41.00	45.47	74.00	28.53	PK	Vertical
3	10914.57	43.48	4.78	39.10	-40.51	46.85	74.00	27.15	PK	Vertical
4	12531.49	43.06	5.01	39.13	-39.43	47.77	74.00	26.23	PK	Vertical
5	15745.60	40.75	6.60	38.25	-40.22	45.38	74.00	28.62	PK	Vertical
6	17823.99	40.01	7.91	40.67	-40.63	47.96	74.00	26.04	PK	Vertical

Note:

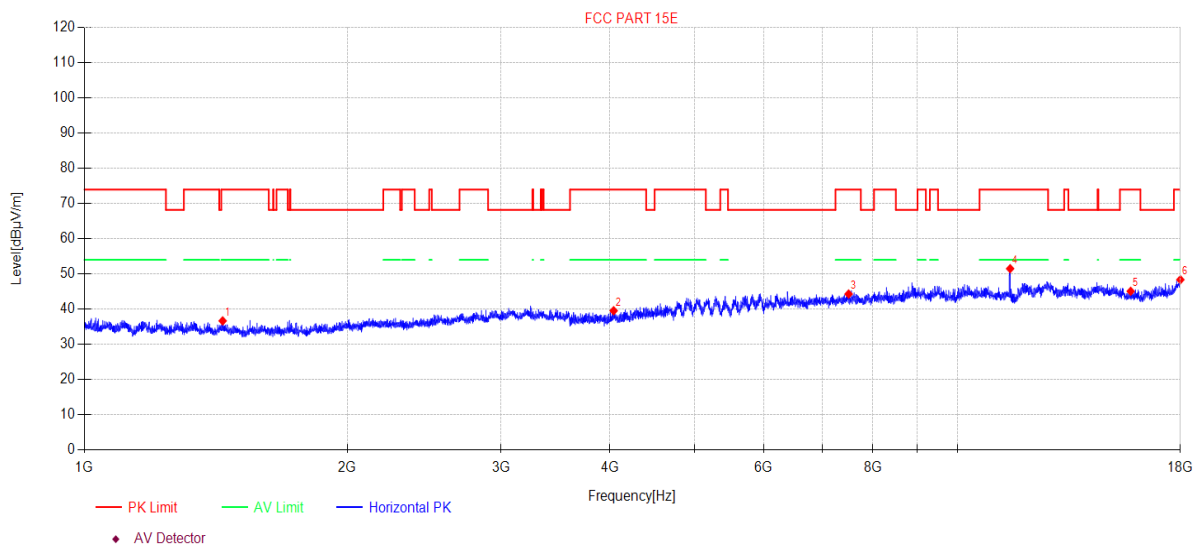
- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08
EUT: Wireless Access Point
Test Mode: TX Mode
Condition: Temp:22.2°C;Humi:56.7%
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G 5.8G1
Memo: 11AX20MIMO 5745

Tested By: Bairong
Model Number: RG-RAP73HD
Power Supply: AC 120V/60Hz
Test Site: DDT 3# Chamber

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1440.12	48.11	1.80	25.60	-38.86	36.65	74.00	37.35	PK	Horizontal
2	4038.65	46.81	3.34	30.78	-41.39	39.54	74.00	34.46	PK	Horizontal
3	7504.81	44.42	4.46	36.40	-41.00	44.28	74.00	29.72	PK	Horizontal
4	11490.74	47.45	4.74	39.01	-39.71	51.49	74.00	22.51	PK	Horizontal
5	15791.17	40.48	6.63	38.21	-40.25	45.07	74.00	28.93	PK	Horizontal
6	18000.00	39.23	8.03	41.80	-40.70	48.36	74.00	25.64	PK	Horizontal

Note:

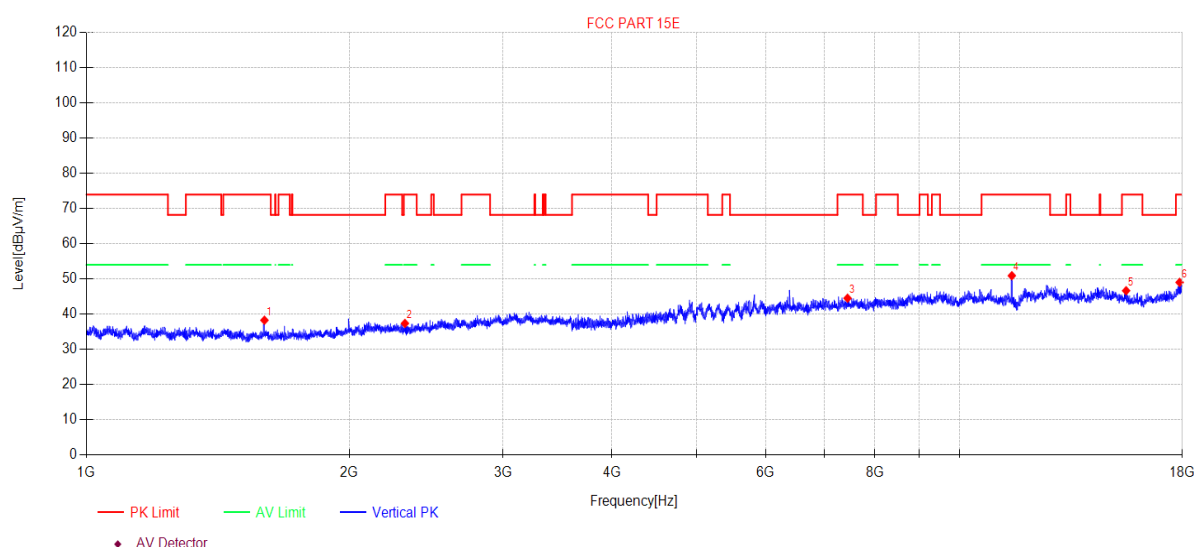
- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08
EUT: Wireless Access Point
Test Mode: TX Mode
Condition: Temp:22.2°C;Humi:56.7%
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G 5.8G\2
Memo: 11AX20MIMO 5745

Tested By: Bairong
Model Number: RG-RAP73HD
Power Supply: AC 120V/60Hz
Test Site: DDT 3# Chamber

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1599.42	50.04	1.91	25.40	-39.10	38.25	74.00	35.75	PK	Vertical
2	2316.71	47.48	2.59	27.33	-40.05	37.35	74.00	36.65	PK	Vertical
3	7444.32	44.57	4.44	36.50	-41.00	44.51	74.00	29.49	PK	Vertical
4	11480.79	46.88	4.74	39.02	-39.73	50.91	74.00	23.09	PK	Vertical
5	15519.71	41.73	6.42	38.56	-40.06	46.65	74.00	27.35	PK	Vertical
6	17870.42	40.73	7.94	40.99	-40.65	49.01	74.00	24.99	PK	Vertical

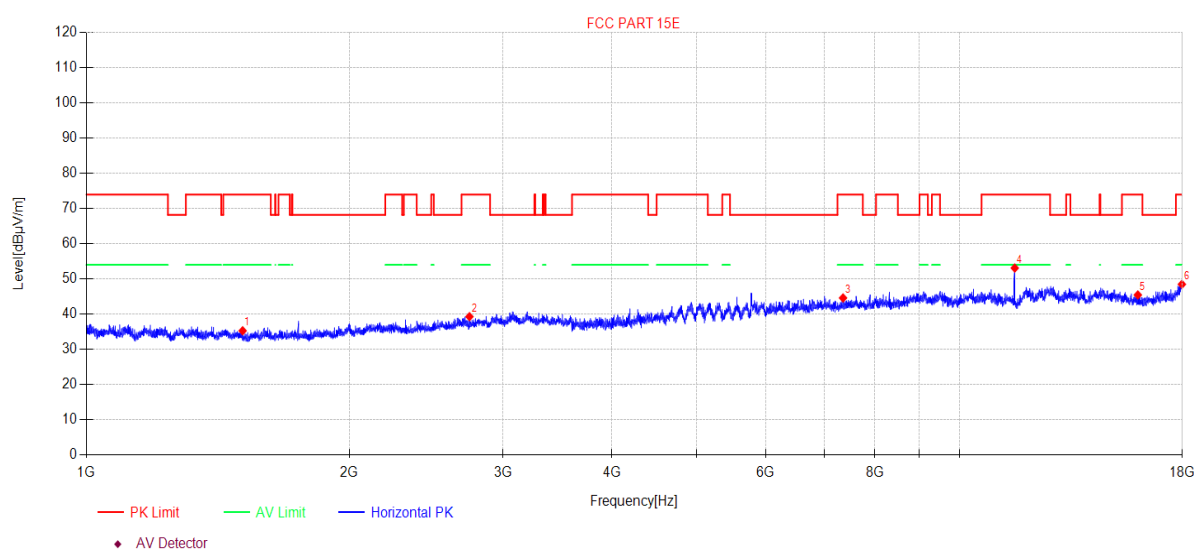
Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08 **Tested By:** Bairong
EUT: Wireless Access Point **Model Number:** RG-RAP73HD
Test Mode: TX Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G 5.8G3
Memo: 11AX20MIMO 5785

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1510.02	46.90	1.85	25.48	-38.97	35.26	74.00	38.74	PK	Horizontal
2	2746.63	48.25	3.15	28.39	-40.52	39.27	74.00	34.73	PK	Horizontal
3	7356.63	44.68	4.41	36.50	-41.00	44.59	74.00	29.41	PK	Horizontal
4	11570.72	49.02	4.73	38.93	-39.59	53.09	74.00	20.91	PK	Horizontal
5	16007.13	41.15	6.80	37.89	-40.40	45.44	74.00	28.56	PK	Horizontal
6	17979.20	39.45	8.02	41.68	-40.69	48.46	74.00	25.54	PK	Horizontal

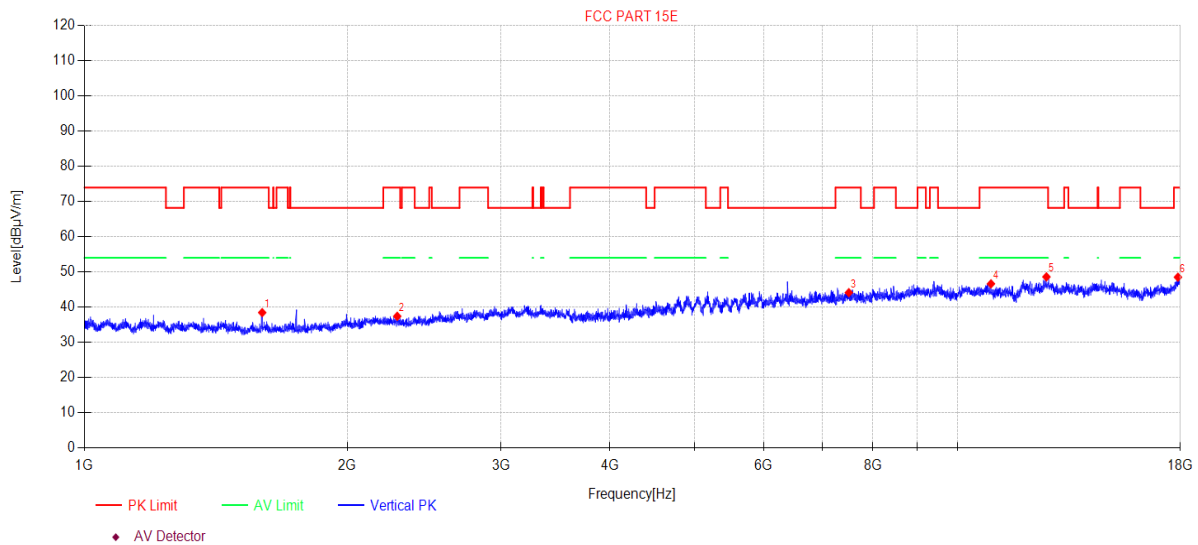
Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2023-03-08 **Tested By:** Bairong
EUT: Wireless Access Point **Model Number:** RG-RAP73HD
Test Mode: TX Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.2°C;Humi:56.7% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2023 report data\Q23032214 RG-RAP73HD\FCC ABOVE 1G 5.8G4
Memo: 11AX20MIMO 5785

Test Graph



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Cable Loss [dB]	Antenna Factor [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1598.49	50.22	1.91	25.40	-39.10	38.43	74.00	35.57	PK	Vertical
2	2282.15	47.54	2.55	27.30	-40.01	37.38	74.00	36.62	PK	Vertical
3	7509.15	44.24	4.46	36.40	-41.00	44.10	74.00	29.90	PK	Vertical
4	10924.04	43.24	4.78	39.10	-40.51	46.61	74.00	27.39	PK	Vertical
5	12644.26	43.75	5.09	39.29	-39.54	48.59	74.00	25.41	PK	Vertical
6	17885.92	40.10	7.95	41.10	-40.65	48.50	74.00	25.50	PK	Vertical

Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.