

11AX40MIMO	Ant1	6165	NV	-20	-35000.00	-5.677210	20	PASS
11AX40MIMO	Ant1	6165	NV	30	-31000.00	-5.028386	20	PASS
11AX40MIMO	Ant1	6165	NV	-30	-39000.00	-6.326034	20	PASS
11AX40MIMO	Ant1	6165	NV	40	-30000.00	-4.866180	20	PASS
11AX40MIMO	Ant1	6165	NV	50	-28000.00	-4.541768	20	PASS
11AX40MIMO	Ant1	6405	NV	0	-21000.00	-3.278689	20	PASS
11AX40MIMO	Ant1	6405	NV	10	-20000.00	-3.122560	20	PASS
11AX40MIMO	Ant1	6405	NV	-10	-23000.00	-3.590945	20	PASS
11AX40MIMO	Ant1	6405	NV	20	-19000.00	-2.966432	20	PASS
11AX40MIMO	Ant1	6405	NV	-20	-24000.00	-3.747073	20	PASS
11AX40MIMO	Ant1	6405	NV	30	-18000.00	-2.810304	20	PASS
11AX40MIMO	Ant1	6405	NV	-30	-25000.00	-3.903201	20	PASS
11AX40MIMO	Ant1	6405	NV	40	-17000.00	-2.654176	20	PASS
11AX40MIMO	Ant1	6405	NV	50	-16000.00	-2.498048	20	PASS
11AX40MIMO	Ant1	6445	NV	0	-8000.00	-1.241272	20	PASS
11AX40MIMO	Ant1	6445	NV	10	-7000.00	-1.086113	20	PASS
11AX40MIMO	Ant1	6445	NV	-10	-8000.00	-1.241272	20	PASS
11AX40MIMO	Ant1	6445	NV	20	-6000.00	-0.930954	20	PASS
11AX40MIMO	Ant1	6445	NV	-20	-9000.00	-1.396431	20	PASS
11AX40MIMO	Ant1	6445	NV	30	-5000.00	-0.775795	20	PASS
11AX40MIMO	Ant1	6445	NV	-30	-10000.00	-1.551590	20	PASS
11AX40MIMO	Ant1	6445	NV	40	-4000.00	-0.620636	20	PASS
11AX40MIMO	Ant1	6445	NV	50	-4000.00	-0.620636	20	PASS
11AX40MIMO	Ant1	6485	NV	0	-5000.00	-0.771010	20	PASS
11AX40MIMO	Ant1	6485	NV	10	-5000.00	-0.771010	20	PASS
11AX40MIMO	Ant1	6485	NV	-10	-6000.00	-0.925212	20	PASS
11AX40MIMO	Ant1	6485	NV	20	-4000.00	-0.616808	20	PASS
11AX40MIMO	Ant1	6485	NV	-20	-7000.00	-1.079414	20	PASS
11AX40MIMO	Ant1	6485	NV	30	-4000.00	-0.616808	20	PASS
11AX40MIMO	Ant1	6485	NV	-30	-8000.00	-1.233616	20	PASS
11AX40MIMO	Ant1	6485	NV	40	-4000.00	-0.616808	20	PASS
11AX40MIMO	Ant1	6485	NV	50	-3000.00	-0.462606	20	PASS
11AX40MIMO	Ant1	6525	NV	0	-10000.00	-1.532567	20	PASS
11AX40MIMO	Ant1	6525	NV	10	-10000.00	-1.532567	20	PASS
11AX40MIMO	Ant1	6525	NV	-10	-10000.00	-1.532567	20	PASS
11AX40MIMO	Ant1	6525	NV	20	-9000.00	-1.379310	20	PASS
11AX40MIMO	Ant1	6525	NV	-20	-10000.00	-1.532567	20	PASS
11AX40MIMO	Ant1	6525	NV	30	-9000.00	-1.379310	20	PASS
11AX40MIMO	Ant1	6525	NV	-30	-11000.00	-1.685824	20	PASS
11AX40MIMO	Ant1	6525	NV	40	-9000.00	-1.379310	20	PASS
11AX40MIMO	Ant1	6525	NV	50	-9000.00	-1.379310	20	PASS
11AX40MIMO	Ant1	6565	NV	0	-11000.00	-1.675552	20	PASS
11AX40MIMO	Ant1	6565	NV	10	-11000.00	-1.675552	20	PASS
11AX40MIMO	Ant1	6565	NV	-10	-12000.00	-1.827875	20	PASS
11AX40MIMO	Ant1	6565	NV	20	-11000.00	-1.675552	20	PASS
11AX40MIMO	Ant1	6565	NV	-20	-12000.00	-1.827875	20	PASS
11AX40MIMO	Ant1	6565	NV	30	-10000.00	-1.523229	20	PASS
11AX40MIMO	Ant1	6565	NV	-30	-13000.00	-1.980198	20	PASS
11AX40MIMO	Ant1	6565	NV	40	-10000.00	-1.523229	20	PASS
11AX40MIMO	Ant1	6565	NV	50	-10000.00	-1.523229	20	PASS
11AX40MIMO	Ant1	6685	NV	0	-12000.00	-1.795064	20	PASS
11AX40MIMO	Ant1	6685	NV	10	-11000.00	-1.645475	20	PASS
11AX40MIMO	Ant1	6685	NV	-10	-12000.00	-1.795064	20	PASS
11AX40MIMO	Ant1	6685	NV	20	-10000.00	-1.495886	20	PASS
11AX40MIMO	Ant1	6685	NV	-20	-13000.00	-1.944652	20	PASS
11AX40MIMO	Ant1	6685	NV	30	-10000.00	-1.495886	20	PASS

11AX40MIMO	Ant1	6685	NV	-30	-14000.00	-2.094241	20	PASS
11AX40MIMO	Ant1	6685	NV	40	-9000.00	-1.346298	20	PASS
11AX40MIMO	Ant1	6685	NV	50	-9000.00	-1.346298	20	PASS
11AX40MIMO	Ant1	6845	NV	0	-14000.00	-2.045289	20	PASS
11AX40MIMO	Ant1	6845	NV	10	-13000.00	-1.899196	20	PASS
11AX40MIMO	Ant1	6845	NV	-10	-15000.00	-2.191381	20	PASS
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11AX40MIMO	Ant1	6845	NV	30	-12000.00	-1.753104	20	PASS
11AX40MIMO	Ant1	6845	NV	-30	-16000.00	-2.337473	20	PASS
11AX40MIMO	Ant1	6845	NV	40	-12000.00	-1.753104	20	PASS
11AX40MIMO	Ant1	6845	NV	50	-12000.00	-1.753104	20	PASS
11AX40MIMO	Ant1	6885	NV	0	-16000.00	-2.323893	20	PASS
11AX40MIMO	Ant1	6885	NV	10	-16000.00	-2.323893	20	PASS
11AX40MIMO	Ant1	6885	NV	-10	-16000.00	-2.323893	20	PASS
11AX40MIMO	Ant1	6885	NV	20	-15000.00	-2.178649	20	PASS
11AX40MIMO	Ant1	6885	NV	-20	-17000.00	-2.469136	20	PASS
11AX40MIMO	Ant1	6885	NV	30	-15000.00	-2.178649	20	PASS
11AX40MIMO	Ant1	6885	NV	-30	-18000.00	-2.614379	20	PASS
11AX40MIMO	Ant1	6885	NV	40	-15000.00	-2.178649	20	PASS
11AX40MIMO	Ant1	6885	NV	50	-14000.00	-2.033406	20	PASS
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11AX40MIMO	Ant1	6925	NV	10	-16000.00	-2.310469	20	PASS
11AX40MIMO	Ant1	6925	NV	-10	-16000.00	-2.310469	20	PASS
11AX40MIMO	Ant1	6925	NV	20	-15000.00	-2.166065	20	PASS
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11AX40MIMO	Ant1	6925	NV	30	-14000.00	-2.021661	20	PASS
11AX40MIMO	Ant1	6925	NV	-30	-17000.00	-2.454874	20	PASS
11AX40MIMO	Ant1	6925	NV	40	-14000.00	-2.021661	20	PASS
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11AX40MIMO	Ant1	6965	NV	10	-43000.00	-6.173726	20	PASS
11AX40MIMO	Ant1	6965	NV	-10	-42000.00	-6.030151	20	PASS
11AX40MIMO	Ant1	6965	NV	20	-42000.00	-6.030151	20	PASS
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11AX40MIMO	Ant1	6965	NV	-30	-42000.00	-6.030151	20	PASS
11AX40MIMO	Ant1	6965	NV	40	-42000.00	-6.030151	20	PASS
11AX40MIMO	Ant1	6965	NV	50	-42000.00	-6.030151	20	PASS
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11AX80MIMO	Ant1	5985	NV	50	-36000.00	-6.015038	20	PASS
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11AX80MIMO	Ant1	6145	NV	-30	-35000.00	-5.695688	20	PASS
11AX80MIMO	Ant1	6145	NV	40	-37000.00	-6.021155	20	PASS
11AX80MIMO	Ant1	6145	NV	50	-37000.00	-6.021155	20	PASS
11AX80MIMO	Ant1	6385	NV	0	-38000.00	-5.951449	20	PASS
11AX80MIMO	Ant1	6385	NV	10	-38000.00	-5.951449	20	PASS
11AX80MIMO	Ant1	6385	NV	-10	-37000.00	-5.794832	20	PASS
11AX80MIMO	Ant1	6385	NV	20	-38000.00	-5.951449	20	PASS
11AX80MIMO	Ant1	6385	NV	-20	-37000.00	-5.794832	20	PASS
11AX80MIMO	Ant1	6385	NV	30	-38000.00	-5.951449	20	PASS
11AX80MIMO	Ant1	6385	NV	-30	-37000.00	-5.794832	20	PASS
11AX80MIMO	Ant1	6385	NV	40	-38000.00	-5.951449	20	PASS
11AX80MIMO	Ant1	6385	NV	50	-38000.00	-5.951449	20	PASS
11AX80MIMO	Ant1	6465	NV	0	-38000.00	-5.877804	20	PASS
11AX80MIMO	Ant1	6465	NV	10	-38000.00	-5.877804	20	PASS
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11AX80MIMO	Ant1	6465	NV	20	-38000.00	-5.877804	20	PASS
11AX80MIMO	Ant1	6465	NV	-20	-37000.00	-5.723125	20	PASS
11AX80MIMO	Ant1	6465	NV	30	-38000.00	-5.877804	20	PASS
11AX80MIMO	Ant1	6465	NV	-30	-37000.00	-5.723125	20	PASS
11AX80MIMO	Ant1	6465	NV	40	-38000.00	-5.877804	20	PASS
11AX80MIMO	Ant1	6465	NV	50	-38000.00	-5.877804	20	PASS
11AX80MIMO	Ant1	6545	NV	0	-40000.00	-6.111536	20	PASS
11AX80MIMO	Ant1	6545	NV	10	-40000.00	-6.111536	20	PASS
11AX80MIMO	Ant1	6545	NV	-10	-39000.00	-5.958747	20	PASS
11AX80MIMO	Ant1	6545	NV	20	-40000.00	-6.111536	20	PASS
11AX80MIMO	Ant1	6545	NV	-20	-39000.00	-5.958747	20	PASS
11AX80MIMO	Ant1	6545	NV	30	-41000.00	-6.264324	20	PASS
11AX80MIMO	Ant1	6545	NV	-30	-39000.00	-5.958747	20	PASS
11AX80MIMO	Ant1	6545	NV	40	-41000.00	-6.264324	20	PASS
11AX80MIMO	Ant1	6545	NV	50	-41000.00	-6.264324	20	PASS
11AX80MIMO	Ant1	6625	NV	0	-41000.00	-6.188679	20	PASS
11AX80MIMO	Ant1	6625	NV	10	-41000.00	-6.188679	20	PASS
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11AX80MIMO	Ant1	6625	NV	20	-40000.00	-6.037736	20	PASS
11AX80MIMO	Ant1	6625	NV	-20	-41000.00	-6.188679	20	PASS
11AX80MIMO	Ant1	6625	NV	30	-40000.00	-6.037736	20	PASS
11AX80MIMO	Ant1	6625	NV	-30	-41000.00	-6.188679	20	PASS
11AX80MIMO	Ant1	6625	NV	40	-40000.00	-6.037736	20	PASS
11AX80MIMO	Ant1	6625	NV	50	-39000.00	-5.886792	20	PASS
11AX80MIMO	Ant1	6705	NV	0	-41000.00	-6.114840	20	PASS
11AX80MIMO	Ant1	6705	NV	10	-41000.00	-6.114840	20	PASS
11AX80MIMO	Ant1	6705	NV	-10	-41000.00	-6.114840	20	PASS
11AX80MIMO	Ant1	6705	NV	20	-40000.00	-5.965697	20	PASS
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11AX80MIMO	Ant1	6705	NV	30	-40000.00	-5.965697	20	PASS
11AX80MIMO	Ant1	6705	NV	-30	-42000.00	-6.263982	20	PASS
11AX80MIMO	Ant1	6705	NV	40	-40000.00	-5.965697	20	PASS
11AX80MIMO	Ant1	6705	NV	50	-40000.00	-5.965697	20	PASS
11AX80MIMO	Ant1	6785	NV	0	-42000.00	-6.190125	20	PASS

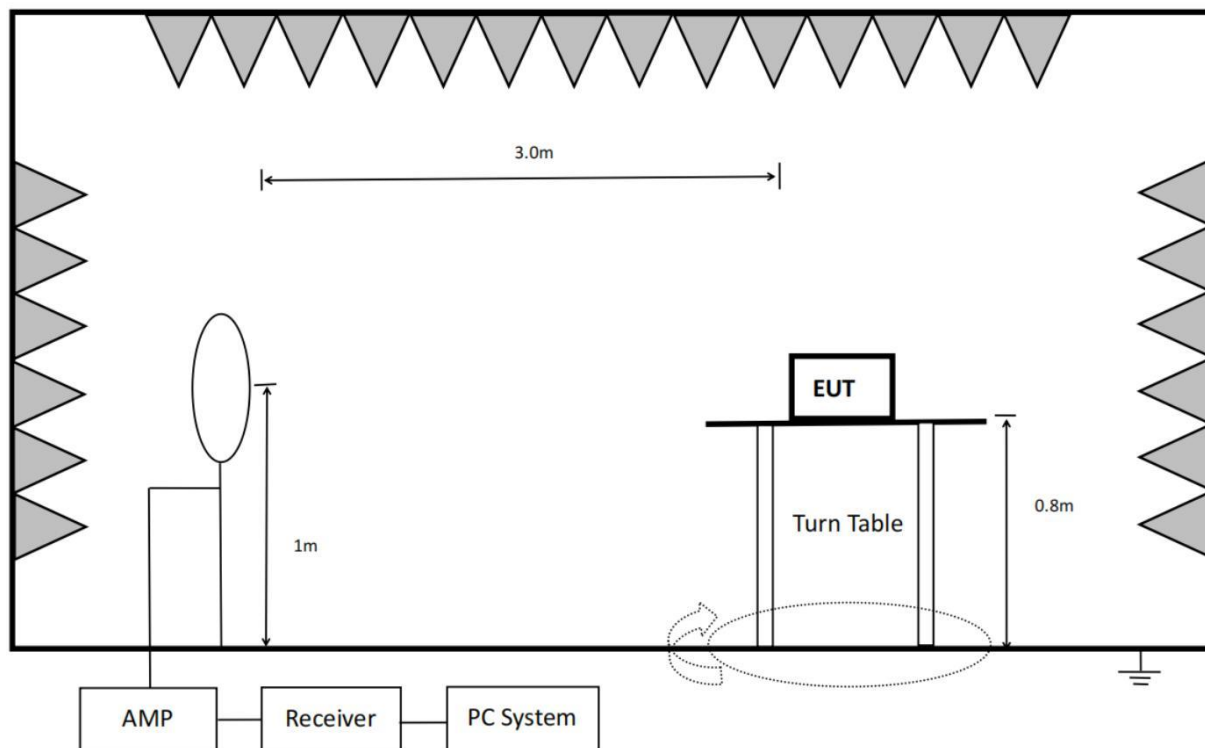
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11AX80MIMO	Ant1	6785	NV	20	-41000.00	-6.042741	20	PASS
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11AX80MIMO	Ant1	6865	NV	30	-41000.00	-5.972323	20	PASS
11AX80MIMO	Ant1	6865	NV	-30	-43000.00	-6.263656	20	PASS
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11AX80MIMO	Ant1	6865	NV	50	-40000.00	-5.826657	20	PASS
11AX80MIMO	Ant1	6945	NV	0	-30000.00	-4.319654	20	PASS
11AX80MIMO	Ant1	6945	NV	10	-31000.00	-4.463643	20	PASS
11AX80MIMO	Ant1	6945	NV	-10	-29000.00	-4.175666	20	PASS
11AX80MIMO	Ant1	6945	NV	20	-32000.00	-4.607631	20	PASS
11AX80MIMO	Ant1	6945	NV	-20	-28000.00	-4.031677	20	PASS
11AX80MIMO	Ant1	6945	NV	30	-33000.00	-4.751620	20	PASS
11AX80MIMO	Ant1	6945	NV	-30	-26000.00	-3.743701	20	PASS
11AX80MIMO	Ant1	6945	NV	40	-34000.00	-4.895608	20	PASS
11AX80MIMO	Ant1	6945	NV	50	-35000.00	-5.039597	20	PASS
11AX80MIMO	Ant1	7025	NV	0	-40000.00	-5.693950	20	PASS
11AX80MIMO	Ant1	7025	NV	10	-41000.00	-5.836299	20	PASS
11AX80MIMO	Ant1	7025	NV	-10	-40000.00	-5.693950	20	PASS
11AX80MIMO	Ant1	7025	NV	20	-41000.00	-5.836299	20	PASS
11AX80MIMO	Ant1	7025	NV	-20	-39000.00	-5.551601	20	PASS
11AX80MIMO	Ant1	7025	NV	30	-42000.00	-5.978648	20	PASS
11AX80MIMO	Ant1	7025	NV	-30	-39000.00	-5.551601	20	PASS
11AX80MIMO	Ant1	7025	NV	40	-42000.00	-5.978648	20	PASS
11AX80MIMO	Ant1	7025	NV	50	-42000.00	-5.978648	20	PASS
11AX160MIMO	Ant1	6025	NV	0	-35000.00	-5.809129	20	PASS
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11AX160MIMO	Ant1	6025	NV	40	-36000.00	-5.975104	20	PASS
11AX160MIMO	Ant1	6025	NV	50	-36000.00	-5.975104	20	PASS
11AX160MIMO	Ant1	6185	NV	0	-37000.00	-5.982215	20	PASS
11AX160MIMO	Ant1	6185	NV	10	-37000.00	-5.982215	20	PASS
11AX160MIMO	Ant1	6185	NV	-10	-37000.00	-5.982215	20	PASS
11AX160MIMO	Ant1	6185	NV	20	-38000.00	-6.143897	20	PASS
11AX160MIMO	Ant1	6185	NV	-20	-37000.00	-5.982215	20	PASS
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11AX160MIMO	Ant1	6185	NV	-30	-37000.00	-5.982215	20	PASS
11AX160MIMO	Ant1	6185	NV	40	-38000.00	-6.143897	20	PASS
11AX160MIMO	Ant1	6185	NV	50	-38000.00	-6.143897	20	PASS
11AX160MIMO	Ant1	6345	NV	0	-39000.00	-6.146572	20	PASS
11AX160MIMO	Ant1	6345	NV	10	-39000.00	-6.146572	20	PASS
11AX160MIMO	Ant1	6345	NV	-10	-38000.00	-5.988968	20	PASS

11AX160MIMO	Ant1	6345	NV	20	-39000.00	-6.146572	20	PASS
11AX160MIMO	Ant1	6345	NV	-20	-38000.00	-5.988968	20	PASS
11AX160MIMO	Ant1	6345	NV	30	-39000.00	-6.146572	20	PASS
11AX160MIMO	Ant1	6345	NV	-30	-38000.00	-5.988968	20	PASS
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11AX160MIMO	Ant1	6345	NV	50	-39000.00	-6.146572	20	PASS
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11AX160MIMO	Ant1	6505	NV	-10	-41000.00	-6.302844	20	PASS
11AX160MIMO	Ant1	6505	NV	20	-41000.00	-6.302844	20	PASS
11AX160MIMO	Ant1	6505	NV	-20	-40000.00	-6.149116	20	PASS
11AX160MIMO	Ant1	6505	NV	30	-41000.00	-6.302844	20	PASS
11AX160MIMO	Ant1	6505	NV	-30	-40000.00	-6.149116	20	PASS
11AX160MIMO	Ant1	6505	NV	40	-41000.00	-6.302844	20	PASS
11AX160MIMO	Ant1	6505	NV	50	-41000.00	-6.302844	20	PASS
11AX160MIMO	Ant1	6665	NV	0	-42000.00	-6.301575	20	PASS
11AX160MIMO	Ant1	6665	NV	10	-43000.00	-6.451613	20	PASS
11AX160MIMO	Ant1	6665	NV	-10	-42000.00	-6.301575	20	PASS
11AX160MIMO	Ant1	6665	NV	20	-43000.00	-6.451613	20	PASS
11AX160MIMO	Ant1	6665	NV	-20	-42000.00	-6.301575	20	PASS
11AX160MIMO	Ant1	6665	NV	30	-43000.00	-6.451613	20	PASS
11AX160MIMO	Ant1	6665	NV	-30	-41000.00	-6.151538	20	PASS
11AX160MIMO	Ant1	6665	NV	40	-44000.00	-6.601650	20	PASS
11AX160MIMO	Ant1	6665	NV	50	-44000.00	-6.601650	20	PASS
11AX160MIMO	Ant1	6825	NV	0	-42000.00	-6.153846	20	PASS
11AX160MIMO	Ant1	6825	NV	10	-41000.00	-6.007326	20	PASS
11AX160MIMO	Ant1	6825	NV	-10	-42000.00	-6.153846	20	PASS
11AX160MIMO	Ant1	6825	NV	20	-41000.00	-6.007326	20	PASS
11AX160MIMO	Ant1	6825	NV	-20	-43000.00	-6.300366	20	PASS
11AX160MIMO	Ant1	6825	NV	30	-41000.00	-6.007326	20	PASS
11AX160MIMO	Ant1	6825	NV	-30	-44000.00	-6.446886	20	PASS
11AX160MIMO	Ant1	6825	NV	40	-41000.00	-6.007326	20	PASS
11AX160MIMO	Ant1	6825	NV	50	-40000.00	-5.860806	20	PASS
11AX160MIMO	Ant1	6985	NV	0	-42000.00	-6.012885	20	PASS
11AX160MIMO	Ant1	6985	NV	10	-41000.00	-5.869721	20	PASS
11AX160MIMO	Ant1	6985	NV	-10	-42000.00	-6.012885	20	PASS
11AX160MIMO	Ant1	6985	NV	20	-41000.00	-5.869721	20	PASS
11AX160MIMO	Ant1	6985	NV	-20	-42000.00	-6.012885	20	PASS
11AX160MIMO	Ant1	6985	NV	30	-41000.00	-5.869721	20	PASS
11AX160MIMO	Ant1	6985	NV	-30	-42000.00	-6.012885	20	PASS
11AX160MIMO	Ant1	6985	NV	40	-41000.00	-5.869721	20	PASS
11AX160MIMO	Ant1	6985	NV	50	-41000.00	-5.869721	20	PASS

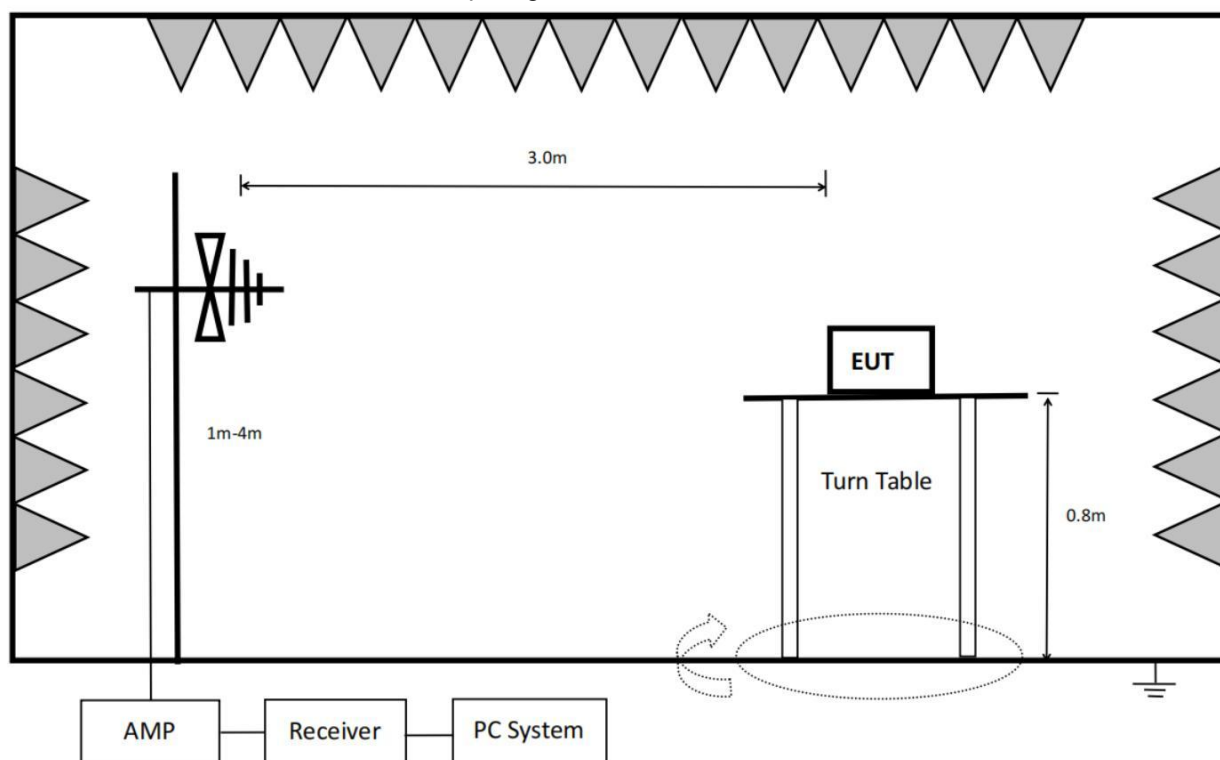
15. Radiated Emission

15.1. Block diagram of test setup

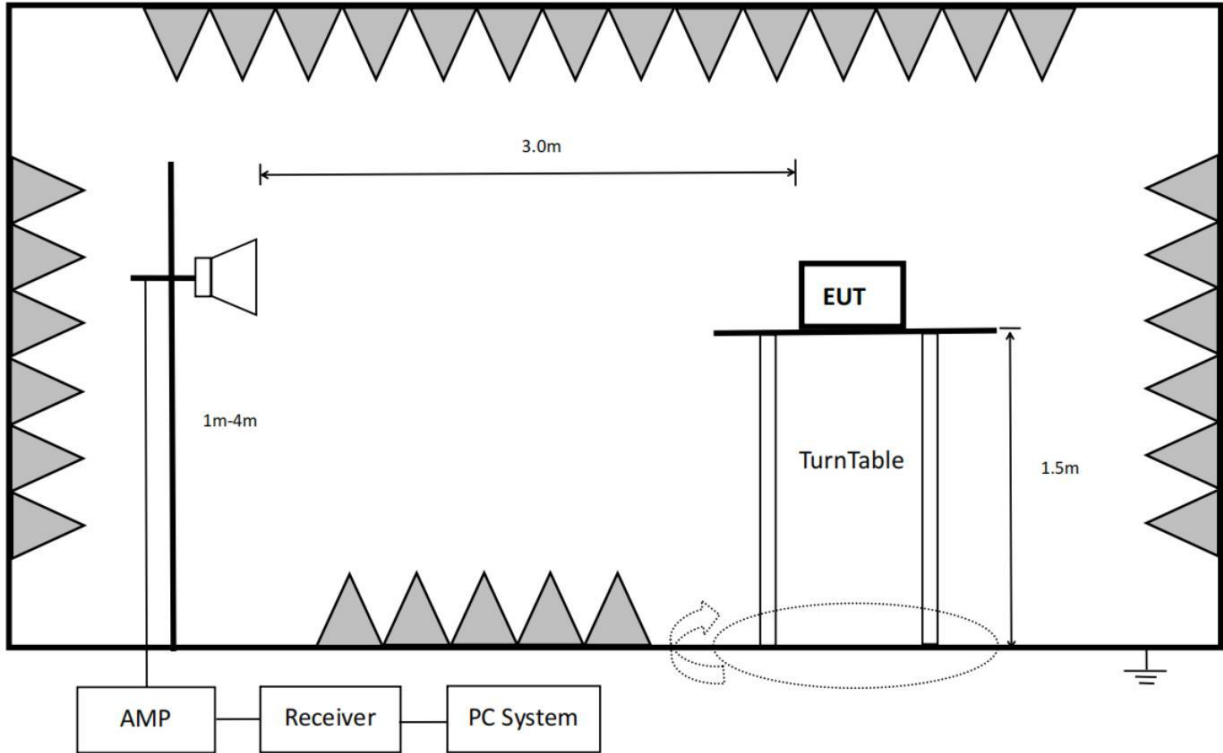
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



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.

15.2. Limit

(1) For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

EIRP(dBm)	Field Strength at 3m(dBuV/m)
-27(RMS)	68.3
-7(Peak)	88.3

(2) 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	
13.36-13.41			

(3) FCC 15.209:

Frequency MHz	Distance Meters	Field Strengths Limit	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
0.009 ~ 0.490	300	$2400/F(\text{kHz})$	$67.6-20\log(F)$
0.490 ~ 1.705	30	$24000/F(\text{kHz})$	$87.6-20\log(F)$
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 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	

Note: (1) At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

(2) At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). This paragraph (f) shall not apply to Access BPL devices operating below 30 MHz.

About Restricted bands of operation please refer to FCC § 15.205(a).

15.3. Test Procedure

Below 30 MHz:

The setting of the spectrum Analyzer

RBW	300 Hz (From 9 kHz to 0.15 MHz)/ 10 kHz (From 0.15 MHz to 30 MHz)
VBW	1 kHz (From 9 kHz to 0.15 MHz)/ 30 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10

2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 80 cm meter above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of 1 meter height antenna tower.

5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore, sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.

Below 1 GHz and above 30 MHz:

The setting of the spectrum Analyzer

RBW	100 kHz
VBW	300 kHz
Sweep	Auto
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 80 cm above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

Above 1 GHz:

RBW	1 MHz
VBW	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 1.5m above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.

6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video

bandwidth with peak detector for AVG measurements. For the Duty Cycle please refer to clause 8.1.ON TIME AND DUTY CYCLE.

7. Restriction band: Investigated frequency range from 5350 MHz to 5460 MHz and 7250 MHz to 7750 MHz.

All restriction band should comply with 15.209, other emission should be at least 20 dB below the fundamental.

Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

Note 2: The EUT does not support simultaneous transmission.

Note 3: The EUT was fully exercised with external accessories during the test. In the case of multiple accessory external ports, an external accessory shall be connected to one of each type of port.

15.4. Results

PASS. (See below detailed test result)

All the emissions except fundamental emission from 9kHz to 40GHz were comply with 15.209 Limits.

Note 1: According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz, so the final test was performed with frequency range from 30 MHz to 40 GHz and recorded in below.

Note 2: 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 11a mode.

Note 3: For below test data, when the limit tabular marked "/" means this frequency point is the fundamental emission and no need comply with this limit.

Note 4: As specified in 15.407(b), For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

Note 5: For emissions Above 1 GHz, all mode have been tested, 11ax 160 mode of MIMO is worse case and recorded in report.

Note 6: For emissions Above 18 GHz, the all the emission is ambient noise, so only show the worse case channel and recorded in report.

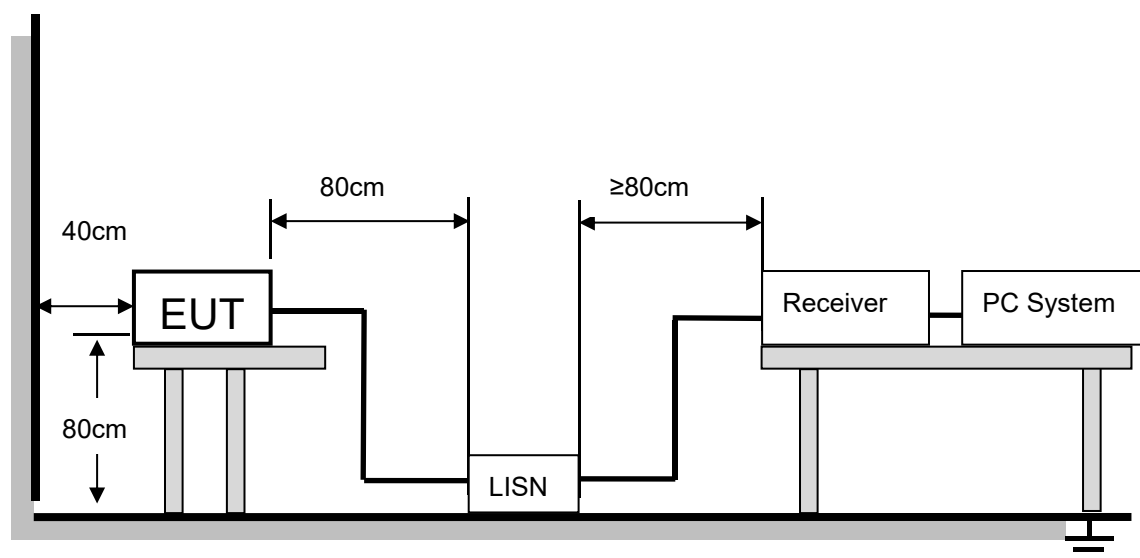
15.5. Original test data

Below 1 GHz and above 30 MHz test data Refer to appendix A

Above 1 GHz test data Refer to appendix B

16. AC Power Line Conducted Emissions

16.1. Block diagram of test setup



The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

16.2. Limits

Please refer to CFR 47 FCC § 15.207 (a).

Frequency (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

16.3. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

16.4. Test result

Pass. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded worse case.

16.5. Original test data

AC Power Line Conducted Emission Test Data Refer to appendix C

17. Antenna Requirements

17.1. Applicable Requirements

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

17.2. Result

The device support 2T2R MIMO, the antennas both used for this product are dedicated PCB antennas and other than that furnished by the responsible party shall be used with the device, maximum antenna gain is 2.94 dBi for antenna 1, 5.26 dBi for antenna 2.

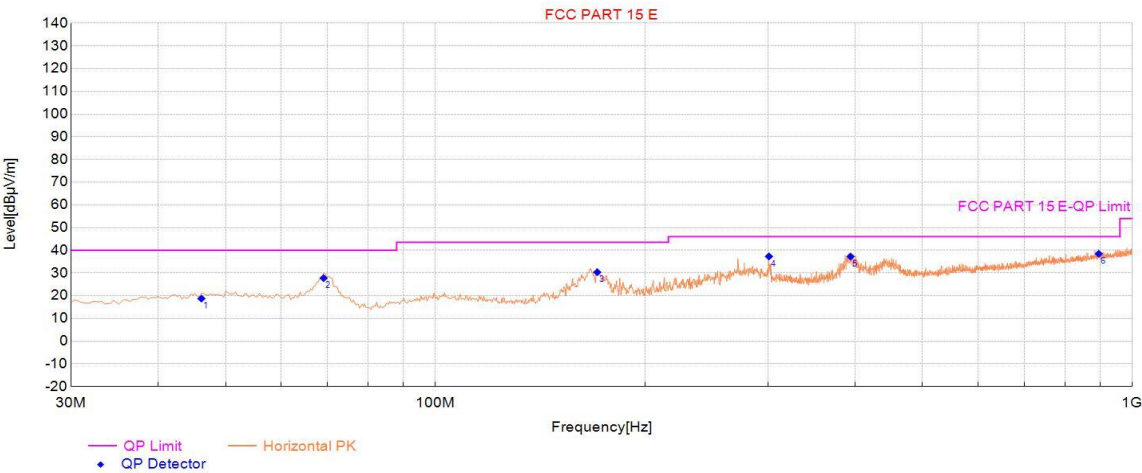
APPENDIX A – Radiated Emission Below 1GHz Test Data

Test Report

Project Information			
EUT:	Wifi Module		
Customer:			
Model:	SI07F	SN:	
Mode:	11AX160_MCS0_6185	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-13 11:25:02

Test Graph



Final Data List										
NO.	Freq. (MHz)	QP Reading(dBμ V/m)	Factor (dB/m)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	46.172	-1.59	20.32	18.73	40.00	21.27	100	248	Horizontal	PASS
2	69.136	11	16.75	27.75	40.00	12.25	100	164	Horizontal	PASS
3	170.697	13.11	17.26	30.37	43.50	13.13	100	97	Horizontal	PASS
4	301.044	14.71	22.60	37.31	46.00	8.69	100	155	Horizontal	PASS
5	394.195	11.77	25.48	37.25	46.00	8.75	100	131	Horizontal	PASS
6	894.882	3.48	35.00	38.48	46.00	7.52	100	214	Horizontal	PASS

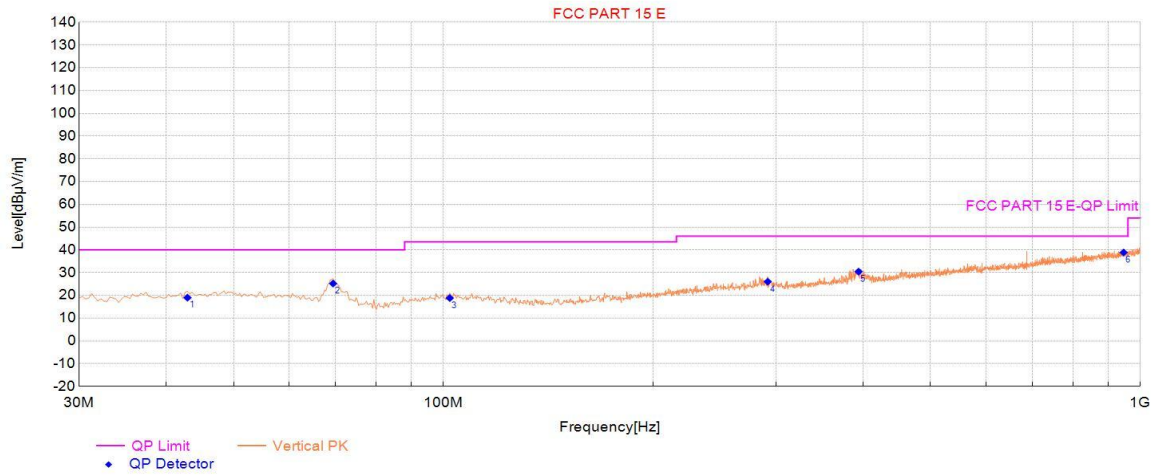
Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

Test Report

Project Information			
EUT:	Wifi Module		
Customer:			
Model:	SI07F	SN:	
Mode:	11AX160_MCS0_6185	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-13 11:25:48

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading(dBμ V/m)	Factor (dB/m)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	42.938	-0.84	19.84	19.00	40.00	21.00	100	98	Vertical	PASS
2	69.460	8.54	16.66	25.20	40.00	14.80	100	105	Vertical	PASS
3	102.127	-0.19	19.02	18.83	43.50	24.67	100	188	Vertical	PASS
4	291.987	3.6	22.42	26.02	46.00	19.98	100	131	Vertical	PASS
5	394.195	4.95	25.48	30.43	46.00	15.57	100	181	Vertical	PASS
6	946.309	3.27	35.58	38.85	46.00	7.15	100	79	Vertical	PASS

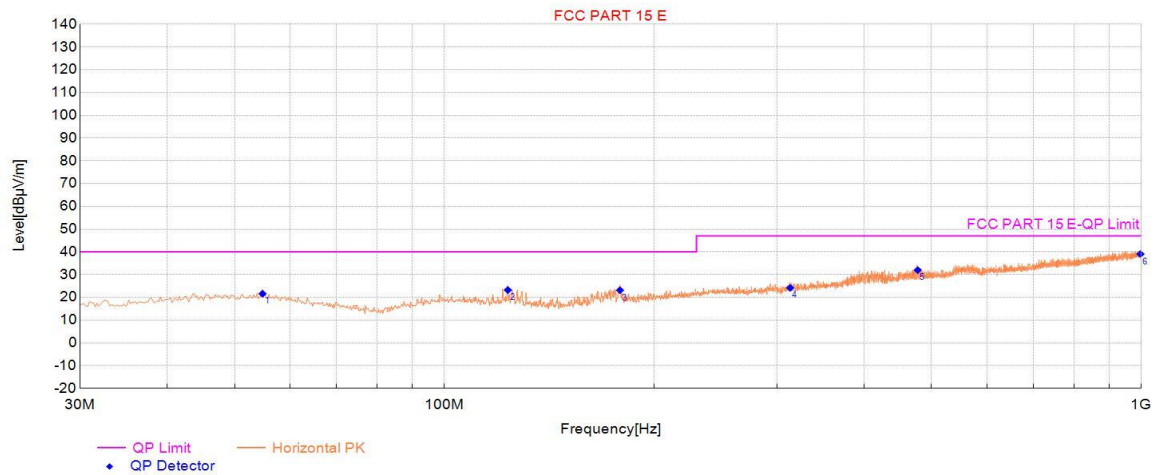
Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

Test Report

Project Information			
EUT:	Wifi Module		
Customer:			
Model:	SI07F	SN:	
Mode:	11AX160_MCS0_6505	Voltage:	DC 5V
Environment:	24.4℃/45%	Engineer:	Soho Liu
Remark:	Power Set:4		

Start of Test:2026-04-11 22:01:57

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading(dBμV/m)	Factor (dB/m)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	54.837	1.72	19.87	21.59	40.00	18.41	100	44	Horizontal	PASS
2	123.333	6.36	16.86	23.22	40.00	16.78	100	292	Horizontal	PASS
3	178.634	5.42	17.70	23.12	40.00	16.88	100	184	Horizontal	PASS
4	313.491	1.03	23.14	24.17	47.00	22.83	100	78	Horizontal	PASS
5	477.648	4.72	27.25	31.97	47.00	15.03	100	220	Horizontal	PASS
6	997.089	2.5	36.52	39.02	47.00	7.98	100	123	Horizontal	PASS

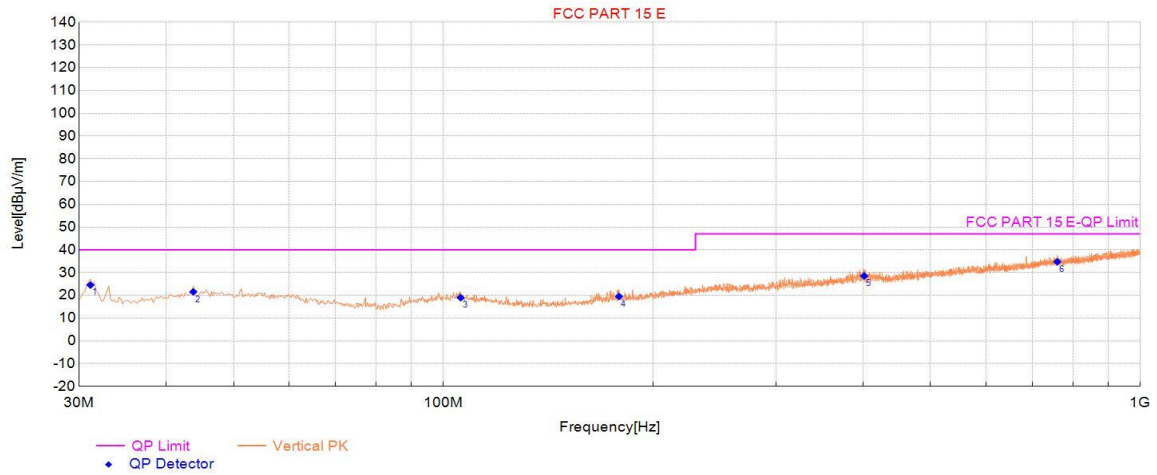
Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

Test Report

Project Information			
EUT:	Wifi Module		
Customer:			
Model:	SI07F	SN:	
Mode:	11AX160_MCS0_6505	Voltage:	DC 5V
Environment:	24.4℃/45%	Engineer:	Soho Liu
Remark:	Power Set:4		

Start of Test:2026-04-11 22:02:53

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading(dBμ V/m)	Factor (dB/m)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	31.164	8.13	16.41	24.54	40.00	15.46	100	0	Vertical	PASS
2	43.777	1.53	20.02	21.55	40.00	18.45	100	351	Vertical	PASS
3	105.869	0.18	18.84	19.02	40.00	20.98	100	140	Vertical	PASS
4	178.634	1.82	17.70	19.52	40.00	20.48	100	351	Vertical	PASS
5	401.584	2.92	25.61	28.53	47.00	18.47	100	291	Vertical	PASS
6	759.974	1.64	33.09	34.73	47.00	12.27	100	61	Vertical	PASS

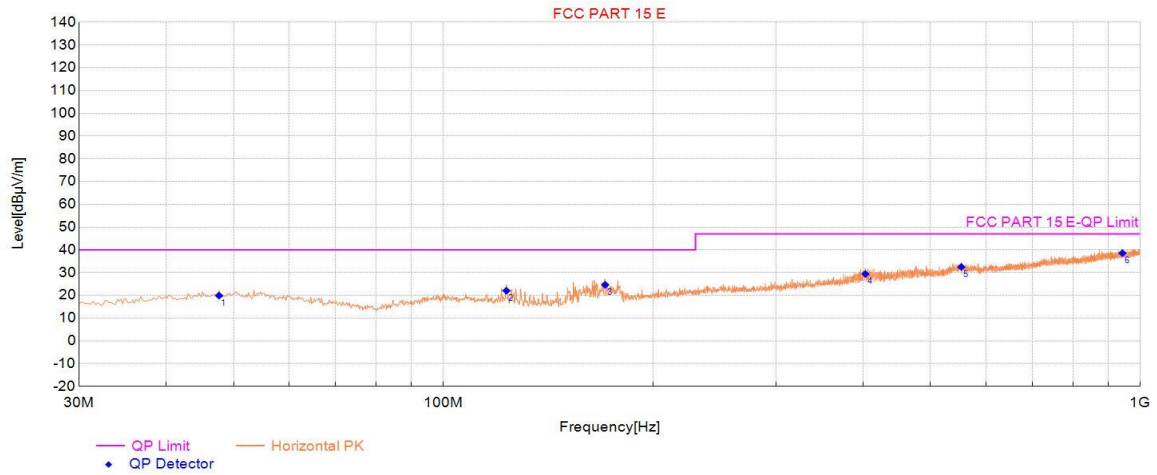
Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

Test Report

Project Information			
EUT:	Wifi Module		
Customer:			
Model:	SI07F	SN:	
Mode:	11AX160_MCS0_6665	Voltage:	DC 5V
Environment:	24.4℃/45%	Engineer:	Soho Liu
Remark:	Power Set:4		

Start of Test:2026-04-11 22:04:58

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading(dBμ V/m)	Factor (dB/m)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	47.658	-0.47	20.37	19.90	40.00	20.10	100	96	Horizontal	PASS
2	123.139	5.17	16.87	22.04	40.00	17.96	100	87	Horizontal	PASS
3	170.678	7.36	17.26	24.62	40.00	15.38	100	51	Horizontal	PASS
4	403.137	3.76	25.65	29.41	47.00	17.59	100	122	Horizontal	PASS
5	553.517	3.7	28.79	32.49	47.00	14.51	100	342	Horizontal	PASS
6	942.759	3.03	35.52	38.55	47.00	8.45	100	236	Horizontal	PASS

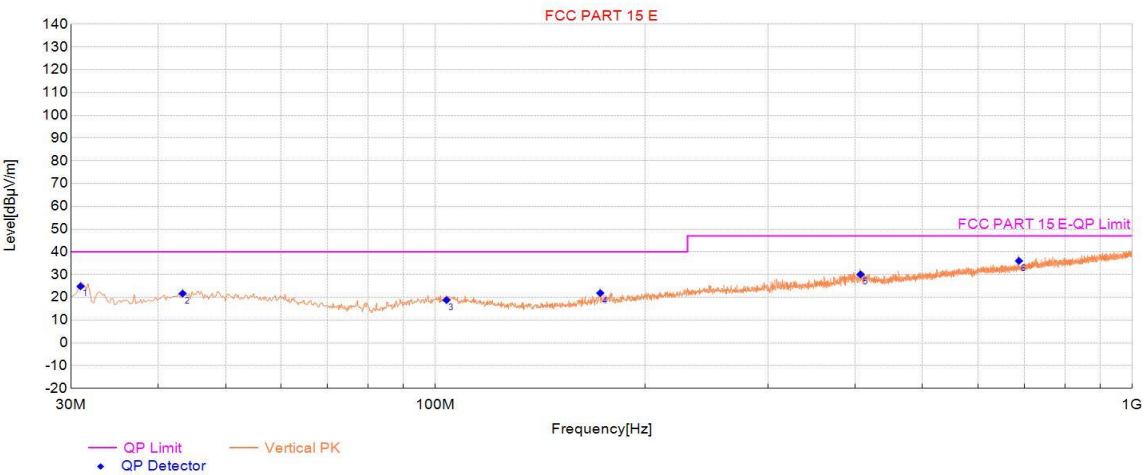
Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

Test Report

Project Information			
EUT:	Wifi Module		
Customer:			
Model:	SI07F	SN:	
Mode:	11AX160_MCS0_6665	Voltage:	DC 5V
Environment:	24.4℃/45%	Engineer:	Soho Liu
Remark:	Power Set:4		

Start of Test:2026-04-11 22:05:43

Test Graph



Final Data List										
NO.	Freq. (MHz)	QP Reading(dBμ V/m)	Factor (dB/m)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	30.970	8.45	16.38	24.83	40.00	15.17	100	0	Vertical	PASS
2	43.389	1.73	19.93	21.66	40.00	18.34	100	69	Vertical	PASS
3	103.735	-0.16	18.95	18.79	40.00	21.21	100	12	Vertical	PASS
4	172.424	4.52	17.35	21.87	40.00	18.13	100	351	Vertical	PASS
5	407.405	4.36	25.76	30.12	47.00	16.88	100	237	Vertical	PASS
6	687.598	4.76	31.27	36.03	47.00	10.97	100	280	Vertical	PASS

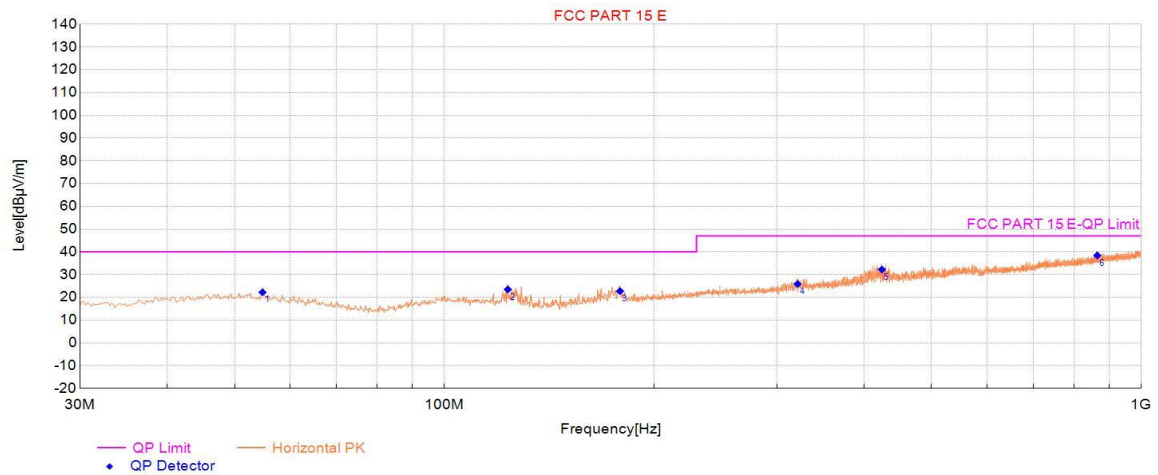
Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

Test Report

Project Information			
EUT:	Wifi Module		
Customer:			
Model:	SI07F	SN:	
Mode:	11AX160_MCS0_6985	Voltage:	DC 5V
Environment:	24.4℃/45%	Engineer:	Soho Liu
Remark:	Power Set:4		

Start of Test:2026-04-11 22:08:35

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading (dBμV/m)	Factor (dB/m)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	54.837	2.35	19.87	22.22	40.00	17.78	100	192	Horizontal	PASS
2	123.333	6.64	16.86	23.50	40.00	16.50	100	79	Horizontal	PASS
3	178.634	5.05	17.70	22.75	40.00	17.25	100	70	Horizontal	PASS
4	321.252	2.4	23.46	25.86	47.00	21.14	100	96	Horizontal	PASS
5	424.287	6.19	26.05	32.24	47.00	14.76	100	149	Horizontal	PASS
6	864.561	4.1	34.34	38.44	47.00	8.56	100	356	Horizontal	PASS

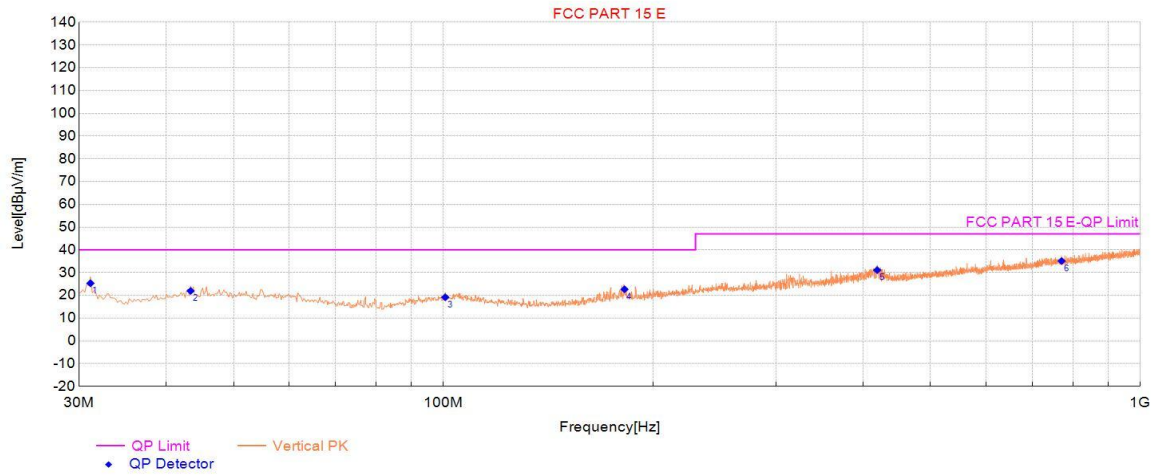
Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

Test Report

Project Information			
EUT:	Wifi Module		
Customer:			
Model:	SI07F	SN:	
Mode:	11AX160_MCS0_6985	Voltage:	DC 5V
Environment:	24.4℃/45%	Engineer:	Soho Liu
Remark:	Power Set:4		

Start of Test:2026-04-11 22:09:21

Test Graph



Final Data List

NO.	Freq. (MHz)	QP Reading(dBμ V/m)	Factor (dB/m)	QP Value (dBμV/m)	QP Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	31.164	8.91	16.41	25.32	40.00	14.68	100	69	Vertical	PASS
2	43.389	2.02	19.93	21.95	40.00	18.05	100	309	Vertical	PASS
3	100.630	0.050000000 0000003	19.10	19.15	40.00	20.85	100	141	Vertical	PASS
4	181.932	4.74	17.93	22.67	40.00	17.33	100	351	Vertical	PASS
5	419.242	5.14	25.96	31.10	47.00	15.90	100	211	Vertical	PASS
6	771.034	1.94	33.15	35.09	47.00	11.91	100	12	Vertical	PASS

Note: Margin=QP Limit - QP Value, QP Value=Reading + Factor

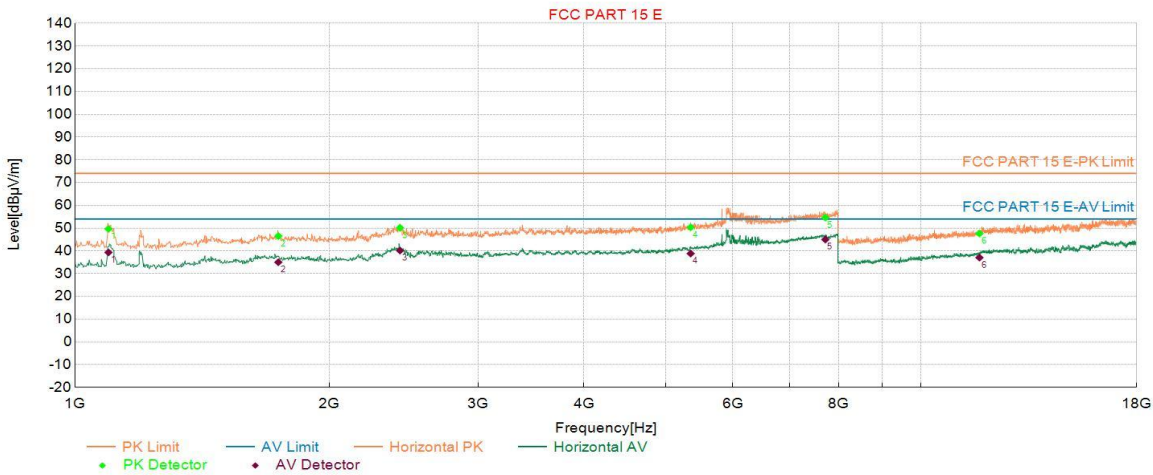
APPENDIX B – Radiated Emission Above 1GHz Test Data

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX160_6025	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 10:37:36

Test Graph



PK Final Data List								
NO.	Freq. (MHz)	PK Reading(dB μ V/m)	PK Value (dB μ V/m)	PK Limit (dB μ V/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1095.699	47.5	49.65	74.00	24.35	150	70	Horizontal
2	1739.913	40.47	46.49	74.00	27.51	150	312	Horizontal
3	2423.808	40.56	50.12	74.00	23.88	150	359	Horizontal
4	5348.449	32.29	50.33	74.00	23.67	150	146	Horizontal
5	7717.573	31.58	54.62	74.00	19.38	150	359	Horizontal
6	11741.247	36.97	47.63	74.00	26.37	150	4	Horizontal

AV Final Data List								
NO.	Freq. (MHz)	AV Reading(dB μ V/m)	AV Value (dB μ V/m)	AV Limit (dB μ V/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1095.699	37.16	39.31	54.00	14.69	150	70	Horizontal
2	1739.913	28.99	35.01	54.00	18.99	150	312	Horizontal
3	2423.808	30.57	40.13	54.00	13.87	150	359	Horizontal
4	5348.449	20.78	38.82	54.00	15.18	150	146	Horizontal
5	7717.573	21.94	44.98	54.00	9.02	150	359	Horizontal
6	11741.247	26.38	37.04	54.00	16.96	150	4	Horizontal

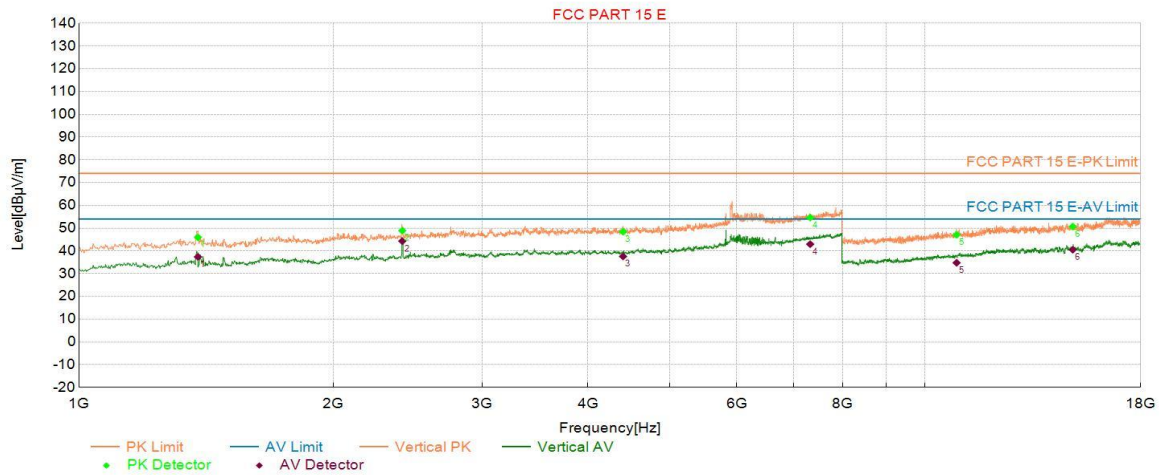
Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX160_6025	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 10:39:06

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading(dB μ V/m)	PK Value (dB μ V/m)	PK Limit (dB μ V/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1382.794	42.6	45.95	74.00	28.05	150	46	Vertical
2	2412.137	39.35	48.87	74.00	25.13	150	222	Vertical
3	4400.800	33.35	48.42	74.00	25.58	150	360	Vertical
4	7325.442	32.24	54.65	74.00	19.35	150	315	Vertical
5	10914.305	38.49	47.05	74.00	26.95	150	280	Vertical
6	14975.659	35.41	50.65	74.00	23.35	150	159	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading(dB μ V/m)	AV Value (dB μ V/m)	AV Limit (dB μ V/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1382.794	34.00	37.35	54.00	16.65	150	46	Vertical
2	2412.137	34.75	44.27	54.00	9.73	150	222	Vertical
3	4400.800	22.49	37.56	54.00	16.44	150	360	Vertical
4	7325.442	20.52	42.93	54.00	11.07	150	315	Vertical
5	10914.305	26.20	34.76	54.00	19.24	150	280	Vertical
6	14975.659	25.26	40.50	54.00	13.50	150	159	Vertical

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

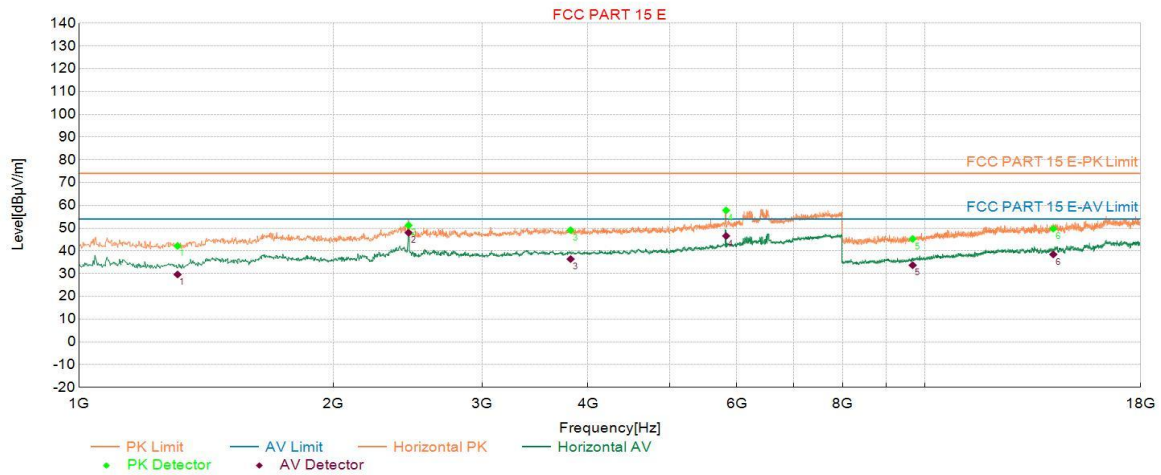
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX160_6185	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 10:42:30

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading(dB μ V/m)	PK Value (dB μ V/m)	PK Limit (dB μ V/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1308.103	38.83	42.16	74.00	31.84	150	193	Horizontal
2	2454.151	41.49	51.18	74.00	22.82	150	3	Horizontal
3	3814.938	34.8	49.10	74.00	24.90	150	315	Horizontal
4	5826.942	38.17	57.79	74.00	16.21	150	155	Horizontal
5	9683.895	38.87	45.25	74.00	28.75	150	93	Horizontal
6	14202.067	35.88	49.73	74.00	24.27	150	241	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading(dB μ V/m)	AV Value (dB μ V/m)	AV Limit (dB μ V/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1308.103	26.28	29.61	54.00	24.39	150	193	Horizontal
2	2454.151	38.27	47.96	54.00	6.04	150	3	Horizontal
3	3814.938	22.09	36.39	54.00	17.61	150	315	Horizontal
4	5826.942	26.93	46.55	54.00	7.45	150	155	Horizontal
5	9683.895	27.30	33.68	54.00	20.32	150	93	Horizontal
6	14202.067	24.59	38.44	54.00	15.56	150	241	Horizontal

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

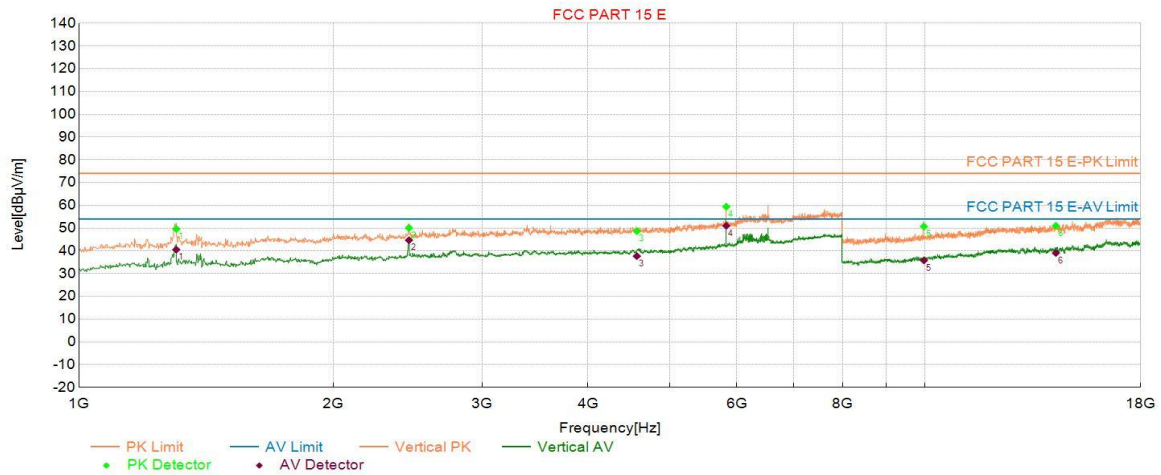
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX160_6185	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 10:43:59

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading(dB μ V/m)	PK Value (dB μ V/m)	PK Limit (dB μ V/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1303.434	46.29	49.61	74.00	24.39	150	53	Vertical
2	2456.485	40.33	50.03	74.00	23.97	150	355	Vertical
3	4568.856	32.6	48.66	74.00	25.34	150	174	Vertical
4	5829.276	39.77	59.40	74.00	14.60	150	184	Vertical
5	9983.995	44.12	50.68	74.00	23.32	150	0	Vertical
6	14302.101	37.05	51.00	74.00	23.00	150	160	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading(dB μ V/m)	AV Value (dB μ V/m)	AV Limit (dB μ V/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1303.434	37.19	40.51	54.00	13.49	150	53	Vertical
2	2456.485	34.97	44.67	54.00	9.33	150	355	Vertical
3	4568.856	21.62	37.68	54.00	16.32	150	174	Vertical
4	5829.276	31.37	51.00	54.00	3.00	150	184	Vertical
5	9983.995	29.26	35.82	54.00	18.18	150	0	Vertical
6	14302.101	25.10	39.05	54.00	14.95	150	160	Vertical

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

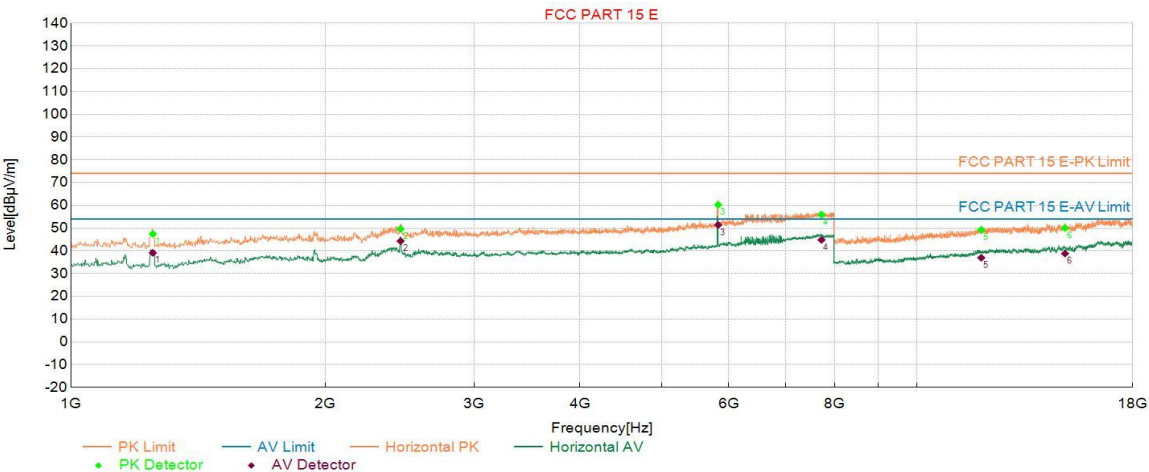
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX160_6345	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 10:47:44

Test Graph



PK Final Data List								
NO.	Freq. (MHz)	PK Reading(dB μ V/m)	PK Value (dB μ V/m)	PK Limit (dB μ V/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1249.750	44.3	47.45	74.00	26.55	150	184	Horizontal
2	2454.151	39.98	49.62	74.00	24.38	150	314	Horizontal
3	5826.942	40.67	60.22	74.00	13.78	150	193	Horizontal
4	7719.907	32.62	55.95	74.00	18.05	150	164	Horizontal
5	11927.976	38.17	49.28	74.00	24.72	150	158	Horizontal
6	14985.662	34.75	50.07	74.00	23.93	150	205	Horizontal

AV Final Data List								
NO.	Freq. (MHz)	AV Reading(dB μ V/m)	AV Value (dB μ V/m)	AV Limit (dB μ V/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1249.750	35.98	39.13	54.00	14.87	150	184	Horizontal
2	2454.151	34.68	44.32	54.00	9.68	150	314	Horizontal
3	5826.942	31.80	51.35	54.00	2.65	150	193	Horizontal
4	7719.907	21.49	44.82	54.00	9.18	150	164	Horizontal
5	11927.976	25.87	36.98	54.00	17.02	150	158	Horizontal
6	14985.662	23.50	38.82	54.00	15.18	150	205	Horizontal

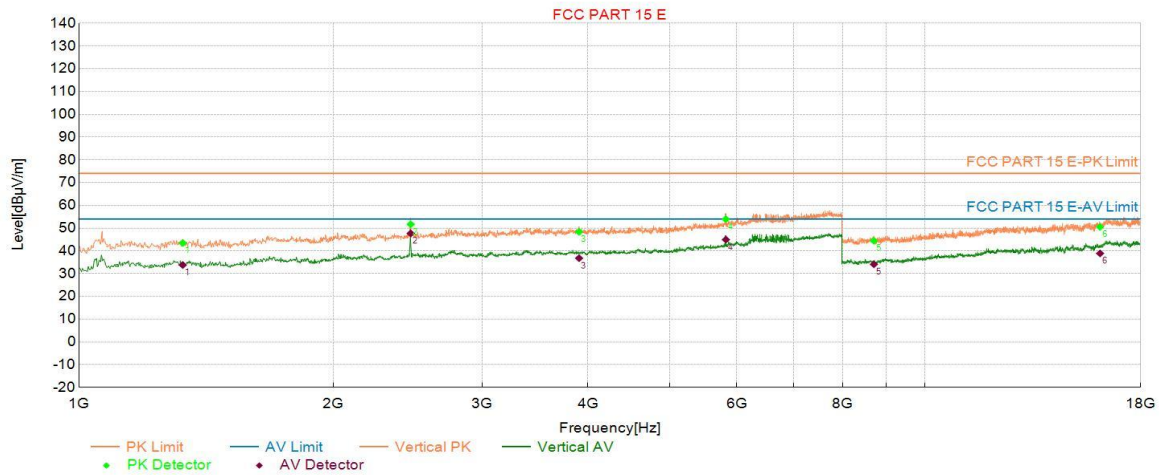
Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX160_6345	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 10:49:13

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading(dB μ V/m)	PK Value (dB μ V/m)	PK Limit (dB μ V/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1326.776	40.22	43.42	74.00	30.58	150	99	Vertical
2	2468.156	42	51.68	74.00	22.32	150	34	Vertical
3	3903.635	33.78	48.37	74.00	25.63	150	230	Vertical
4	5822.274	34.38	53.90	74.00	20.10	150	315	Vertical
5	8713.571	39.97	44.45	74.00	29.55	150	0	Vertical
6	16129.376	33.44	50.53	74.00	23.47	150	4	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading(dB μ V/m)	AV Value (dB μ V/m)	AV Limit (dB μ V/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1326.776	30.59	33.79	54.00	20.21	150	99	Vertical
2	2468.156	37.98	47.66	54.00	6.34	150	34	Vertical
3	3903.635	22.19	36.78	54.00	17.22	150	230	Vertical
4	5822.274	25.41	44.93	54.00	9.07	150	315	Vertical
5	8713.571	29.60	34.08	54.00	19.92	150	0	Vertical
6	16129.376	21.78	38.87	54.00	15.13	150	4	Vertical

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

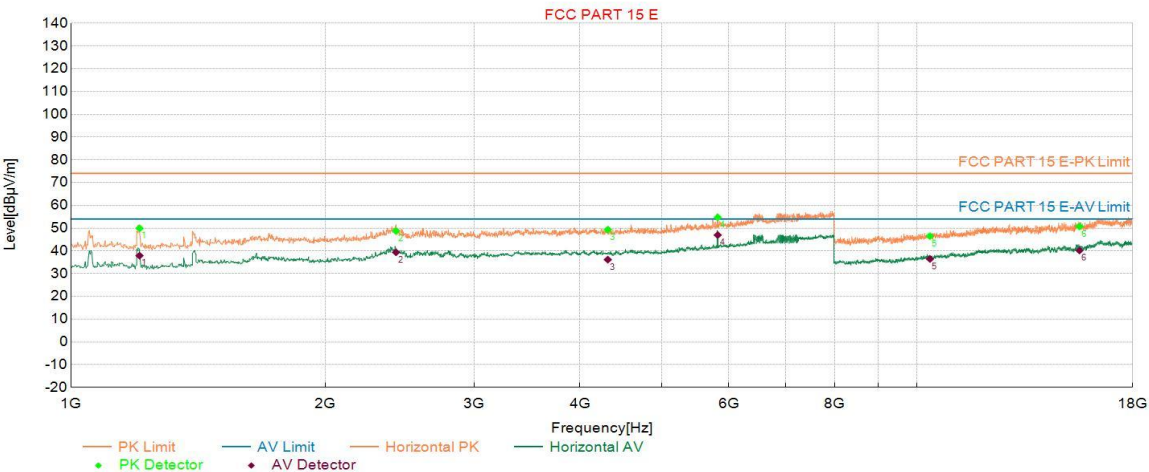
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX160_6505	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 10:52:21

Test Graph



PK Final Data List								
NO.	Freq. (MHz)	PK Reading(dB μ V/m)	PK Value (dB μ V/m)	PK Limit (dB μ V/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1205.402	46.97	49.90	74.00	24.10	150	34	Horizontal
2	2423.808	39.42	48.74	74.00	25.26	150	219	Horizontal
3	4314.438	34.66	49.32	74.00	24.68	150	71	Horizontal
4	5819.940	35.79	54.76	74.00	19.24	150	107	Horizontal
5	10374.125	38.86	46.46	74.00	27.54	150	307	Horizontal
6	15585.862	35.05	50.71	74.00	23.29	150	307	Horizontal

AV Final Data List								
NO.	Freq. (MHz)	AV Reading(dB μ V/m)	AV Value (dB μ V/m)	AV Limit (dB μ V/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1205.402	34.96	37.89	54.00	16.11	150	34	Horizontal
2	2423.808	30.04	39.36	54.00	14.64	150	219	Horizontal
3	4314.438	21.48	36.14	54.00	17.86	150	71	Horizontal
4	5819.940	27.97	46.94	54.00	7.06	150	107	Horizontal
5	10374.125	28.84	36.44	54.00	17.56	150	307	Horizontal
6	15585.862	24.52	40.18	54.00	13.82	150	307	Horizontal

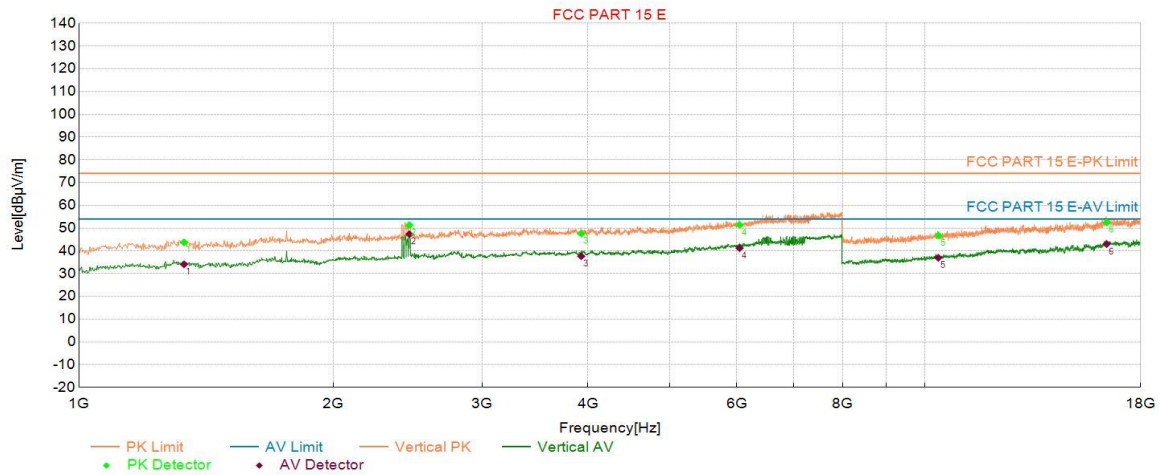
Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX160_6505	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 10:53:50

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading(dB μ V/m)	PK Value (dB μ V/m)	PK Limit (dB μ V/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1331.444	40.67	43.72	74.00	30.28	150	128	Vertical
2	2458.820	41.82	51.31	74.00	22.69	150	305	Vertical
3	3926.976	32.98	47.58	74.00	26.42	150	360	Vertical
4	6044.015	31.67	51.41	74.00	22.59	150	326	Vertical
5	10384.128	39.19	46.79	74.00	27.21	150	1	Vertical
6	16422.808	34.16	52.46	74.00	21.54	150	138	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading(dB μ V/m)	AV Value (dB μ V/m)	AV Limit (dB μ V/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1331.444	31.03	34.08	54.00	19.92	150	128	Vertical
2	2458.820	37.83	47.32	54.00	6.68	150	305	Vertical
3	3926.976	23.04	37.64	54.00	16.36	150	360	Vertical
4	6044.015	21.46	41.20	54.00	12.80	150	326	Vertical
5	10384.128	29.35	36.95	54.00	17.05	150	1	Vertical
6	16422.808	24.67	42.97	54.00	11.03	150	138	Vertical

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

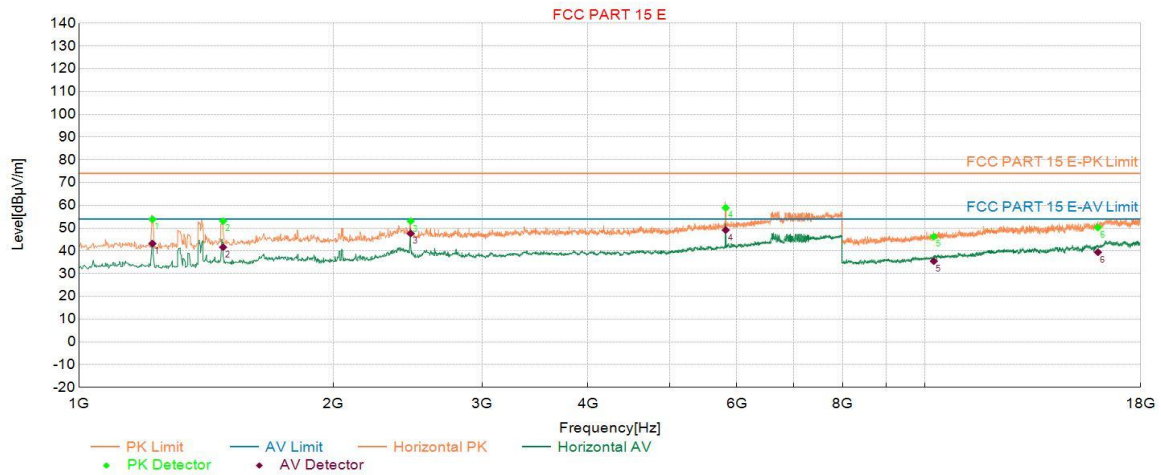
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX160_6665	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 10:56:47

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading(dB μ V/m)	PK Value (dB μ V/m)	PK Limit (dB μ V/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1221.741	50.9	53.85	74.00	20.15	150	164	Horizontal
2	1480.827	49.79	53.08	74.00	20.92	150	155	Horizontal
3	2468.156	43.52	53.05	74.00	20.95	150	346	Horizontal
4	5819.940	39.93	58.90	74.00	15.10	150	330	Horizontal
5	10257.419	38.86	46.24	74.00	27.76	150	178	Horizontal
6	16036.012	33.64	50.28	74.00	23.72	150	358	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading(dB μ V/m)	AV Value (dB μ V/m)	AV Limit (dB μ V/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1221.741	40.23	43.18	54.00	10.82	150	164	Horizontal
2	1480.827	38.30	41.59	54.00	12.41	150	155	Horizontal
3	2468.156	38.10	47.63	54.00	6.37	150	346	Horizontal
4	5819.940	30.16	49.13	54.00	4.87	150	330	Horizontal
5	10257.419	28.06	35.44	54.00	18.56	150	178	Horizontal
6	16036.012	22.75	39.39	54.00	14.61	150	358	Horizontal

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

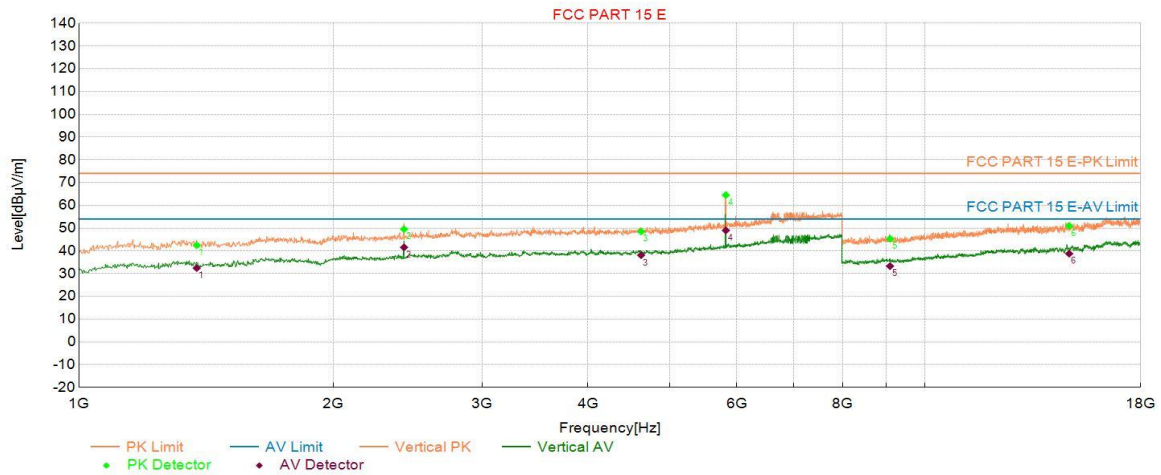
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX160_6665	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 10:58:16

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading(dB μ V/m)	PK Value (dB μ V/m)	PK Limit (dB μ V/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1378.126	39.37	42.46	74.00	31.54	150	126	Vertical
2	2423.808	40.2	49.52	74.00	24.48	150	285	Vertical
3	4622.541	32.69	48.51	74.00	25.49	150	14	Vertical
4	5822.274	45.55	64.53	74.00	9.47	150	355	Vertical
5	9103.701	40.05	45.33	74.00	28.67	150	0	Vertical
6	14828.943	36.35	50.96	74.00	23.04	150	129	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading(dB μ V/m)	AV Value (dB μ V/m)	AV Limit (dB μ V/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1378.126	29.34	32.43	54.00	21.57	150	126	Vertical
2	2423.808	32.23	41.55	54.00	12.45	150	285	Vertical
3	4622.541	22.28	38.10	54.00	15.90	150	14	Vertical
4	5822.274	30.01	48.99	54.00	5.01	150	355	Vertical
5	9103.701	28.02	33.30	54.00	20.70	150	0	Vertical
6	14828.943	24.16	38.77	54.00	15.23	150	129	Vertical

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

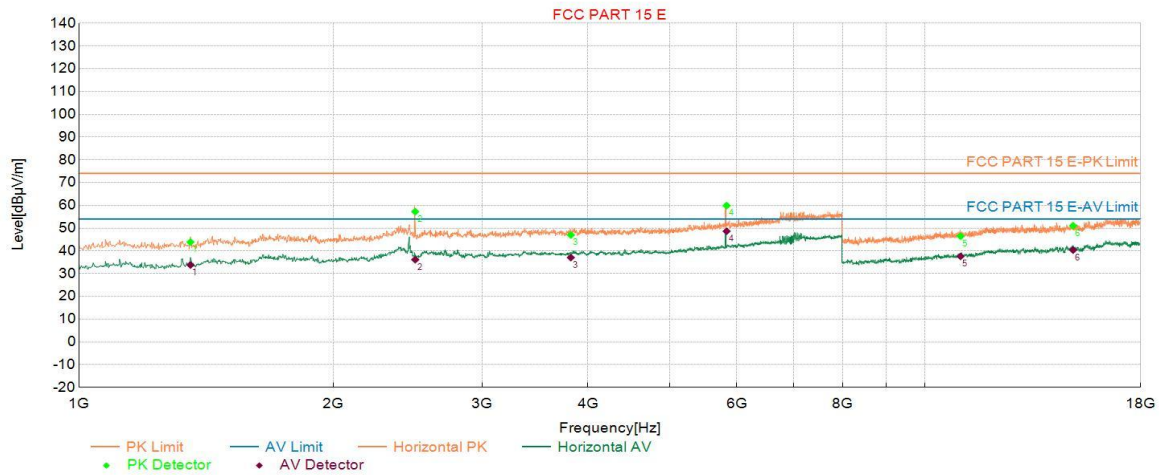
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX160_6865	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 11:01:42

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading(dB μ V/m)	PK Value (dB μ V/m)	PK Limit (dB μ V/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1354.785	40.77	43.84	74.00	30.16	150	360	Horizontal
2	2498.500	47.56	57.23	74.00	16.77	150	356	Horizontal
3	3817.272	32.9	46.98	74.00	27.02	150	360	Horizontal
4	5833.945	40.88	59.91	74.00	14.09	150	222	Horizontal
5	11031.010	37.39	46.45	74.00	27.55	150	38	Horizontal
6	14988.996	35.66	51.01	74.00	22.99	150	122	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading(dB μ V/m)	AV Value (dB μ V/m)	AV Limit (dB μ V/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1354.785	30.73	33.80	54.00	20.20	150	360	Horizontal
2	2498.500	26.47	36.14	54.00	17.86	150	356	Horizontal
3	3817.272	22.98	37.06	54.00	16.94	150	360	Horizontal
4	5833.945	29.61	48.64	54.00	5.36	150	222	Horizontal
5	11031.010	28.51	37.57	54.00	16.43	150	38	Horizontal
6	14988.996	25.01	40.36	54.00	13.64	150	122	Horizontal

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

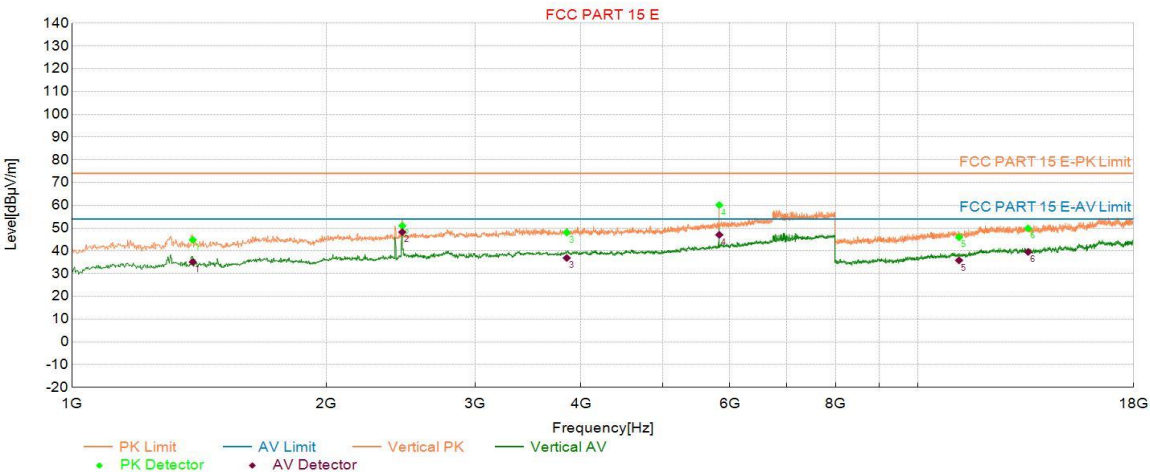
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX160_6865	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 11:03:11

Test Graph



PK Final Data List								
NO.	Freq. (MHz)	PK Reading(dB μ V/m)	PK Value (dB μ V/m)	PK Limit (dB μ V/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1389.797	41.72	44.83	74.00	29.17	150	332	Vertical
2	2458.820	41.52	51.01	74.00	22.99	150	3	Vertical
3	3847.616	33.77	48.05	74.00	25.95	150	138	Vertical
4	5829.276	41.1	60.12	74.00	13.88	150	305	Vertical
5	11197.733	36.74	46.00	74.00	28.00	150	37	Vertical
6	13515.172	35.83	49.85	74.00	24.15	150	0	Vertical

AV Final Data List								
NO.	Freq. (MHz)	AV Reading(dB μ V/m)	AV Value (dB μ V/m)	AV Limit (dB μ V/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1389.797	31.98	35.09	54.00	18.91	150	332	Vertical
2	2458.820	38.78	48.27	54.00	5.73	150	3	Vertical
3	3847.616	22.59	36.87	54.00	17.13	150	138	Vertical
4	5829.276	28.02	47.04	54.00	6.96	150	305	Vertical
5	11197.733	26.56	35.82	54.00	18.18	150	37	Vertical
6	13515.172	25.48	39.50	54.00	14.50	150	0	Vertical

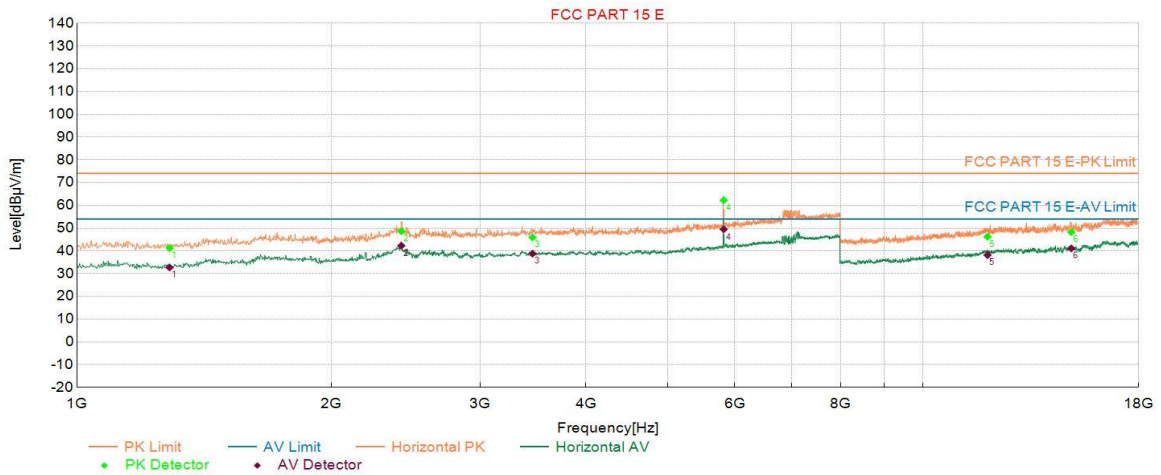
Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX160_6985	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 11:06:40

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading(dB μ V/m)	PK Value (dB μ V/m)	PK Limit (dB μ V/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1287.096	38.22	41.23	74.00	32.77	150	90	Horizontal
2	2419.140	39.32	48.62	74.00	25.38	150	52	Horizontal
3	3457.819	32.31	45.93	74.00	28.07	150	2	Horizontal
4	5819.940	43.24	62.21	74.00	11.79	150	193	Horizontal
5	11937.979	35.11	46.22	74.00	27.78	150	195	Horizontal
6	14995.665	32.82	48.23	74.00	25.77	150	175	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Reading(dB μ V/m)	AV Value (dB μ V/m)	AV Limit (dB μ V/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1287.096	29.68	32.69	54.00	21.31	150	90	Horizontal
2	2419.140	32.98	42.28	54.00	11.72	150	52	Horizontal
3	3457.819	25.16	38.78	54.00	15.22	150	2	Horizontal
4	5819.940	30.51	49.48	54.00	4.52	150	193	Horizontal
5	11937.979	27.04	38.15	54.00	15.85	150	195	Horizontal
6	14995.665	25.68	41.09	54.00	12.91	150	175	Horizontal

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

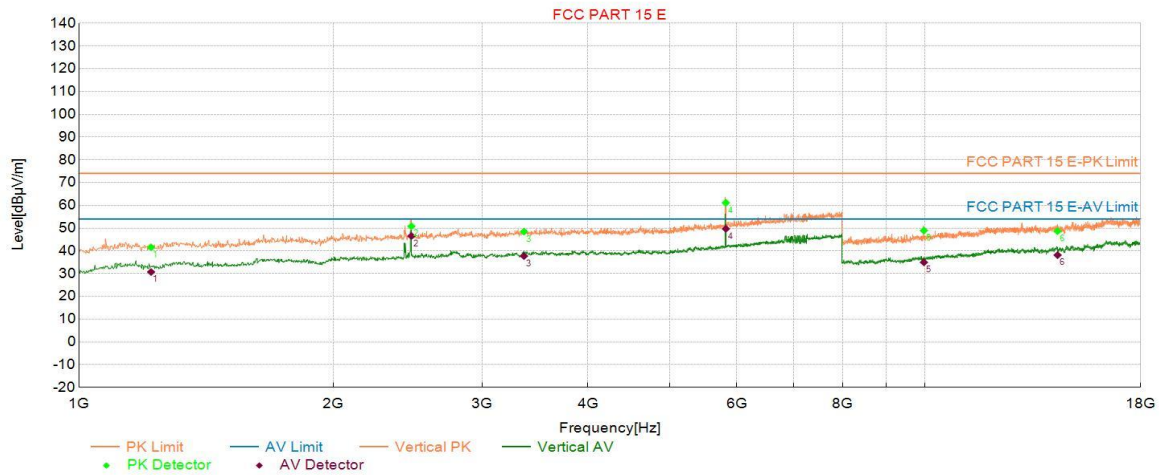
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX160_6985	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 11:08:09

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Reading(dB μ V/m)	PK Value (dB μ V/m)	PK Limit (dB μ V/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1217.072	38.58	41.52	74.00	32.48	150	119	Vertical
2	2472.824	41.27	50.82	74.00	23.18	150	148	Vertical
3	3359.787	35.18	48.46	74.00	25.54	150	323	Vertical
4	5822.274	42.16	61.14	74.00	12.86	150	100	Vertical
5	9983.995	42.39	48.95	74.00	25.05	150	83	Vertical
6	14368.790	33.86	48.67	74.00	25.33	150	36	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Reading(dB μ V/m)	AV Value (dB μ V/m)	AV Limit (dB μ V/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1217.072	27.79	30.73	54.00	23.27	150	119	Vertical
2	2472.824	36.97	46.52	54.00	7.48	150	148	Vertical
3	3359.787	24.44	37.72	54.00	16.28	150	323	Vertical
4	5822.274	30.71	49.69	54.00	4.31	150	100	Vertical
5	9983.995	28.41	34.97	54.00	19.03	150	83	Vertical
6	14368.790	23.32	38.13	54.00	15.87	150	36	Vertical

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

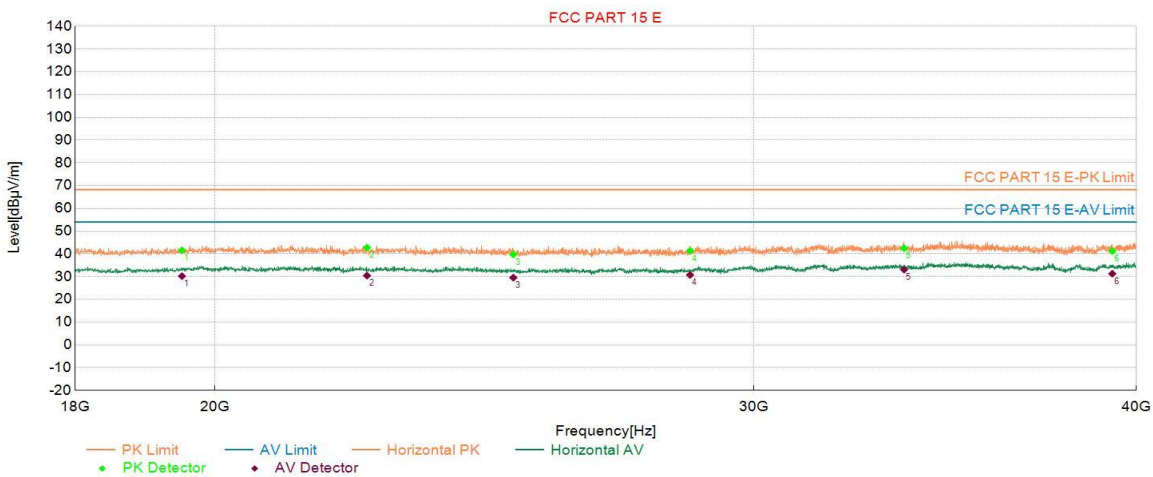
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
EUT:			
Model:	SI07F		
Mode:	11ax_160M_6025M		
Environment:	24.8℃/50%	Engineer:	Soho Liu
Voltage:	DC 5V	SN:	
Remark:			

Start of Test:2026-03-26 18:35:21

Test Graph



PK Final Data List							
NO.	Freq. (MHz)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	19509.502	41.54	68.20	26.66	150	100	Horizontal
2	22422.885	42.75	68.20	25.45	150	220	Horizontal
3	25032.607	39.72	68.20	28.48	150	240	Horizontal
4	28592.919	41.33	68.20	26.87	150	310	Horizontal
5	33587.918	42.49	68.20	25.71	150	190	Horizontal
6	39282.657	41.19	68.20	27.01	150	350	Horizontal

AV Final Data List							
NO.	Freq. (MHz)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	19509.502	30.22	54.00	23.78	150	100	Horizontal
2	22422.885	30.42	54.00	23.58	150	220	Horizontal
3	25032.607	29.54	54.00	24.46	150	240	Horizontal
4	28592.919	30.71	54.00	23.29	150	310	Horizontal
5	33587.918	33.08	54.00	20.92	150	190	Horizontal
6	39282.657	31.28	54.00	22.72	150	350	Horizontal

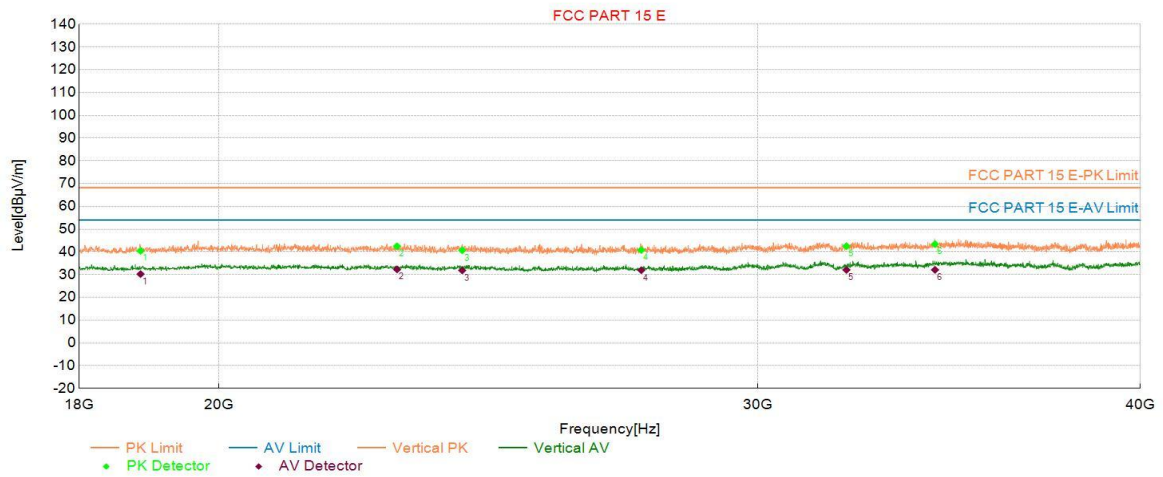
Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
EUT:			
Model:	SI07F		
Mode:	11ax_160M_6025M		
Environment:	24.8℃/50%	Engineer:	Soho Liu
Voltage:	DC 5V	SN:	
Remark:			

Start of Test:2026-03-26 18:35:39

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18853.771	40.43	68.20	27.77	150	0	Vertical
2	22867.373	42.45	68.20	25.75	150	250	Vertical
3	24016.003	40.71	68.20	27.49	150	180	Vertical
4	27479.496	40.78	68.20	27.42	150	20	Vertical
5	32065.213	42.48	68.20	25.72	150	180	Vertical
6	34274.455	43.40	68.20	24.80	150	170	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18853.771	30.25	54.00	23.75	150	0	Vertical
2	22867.373	32.30	54.00	21.70	150	250	Vertical
3	24016.003	31.84	54.00	22.16	150	180	Vertical
4	27479.496	31.93	54.00	22.07	150	20	Vertical
5	32065.213	32.07	54.00	21.93	150	180	Vertical
6	34274.455	32.10	54.00	21.90	150	170	Vertical

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

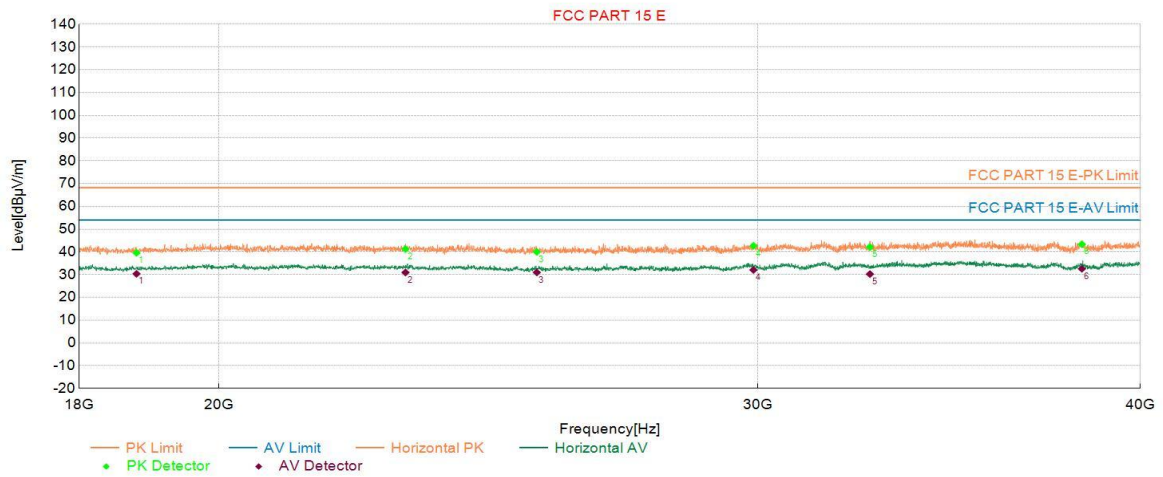
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
EUT:			
Model:	SI07F		
Mode:	11ax_160M_6505M		
Environment:	24.8℃/50%	Engineer:	Soho Liu
Voltage:	DC 5V	SN:	
Remark:			

Start of Test:2026-03-26 18:36:03

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18796.559	39.58	68.20	28.62	150	90	Horizontal
2	23012.603	41.24	68.20	26.96	150	210	Horizontal
3	25402.280	39.97	68.20	28.23	150	180	Horizontal
4	29899.980	42.64	68.20	25.56	150	270	Horizontal
5	32637.327	42.12	68.20	26.08	150	280	Horizontal
6	38279.256	43.34	68.20	24.86	150	260	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18796.559	30.35	54.00	23.65	150	90	Horizontal
2	23012.603	30.95	54.00	23.05	150	210	Horizontal
3	25402.280	30.97	54.00	23.03	150	180	Horizontal
4	29899.980	32.06	54.00	21.94	150	270	Horizontal
5	32637.327	30.23	54.00	23.77	150	280	Horizontal
6	38279.256	32.55	54.00	21.45	150	260	Horizontal

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

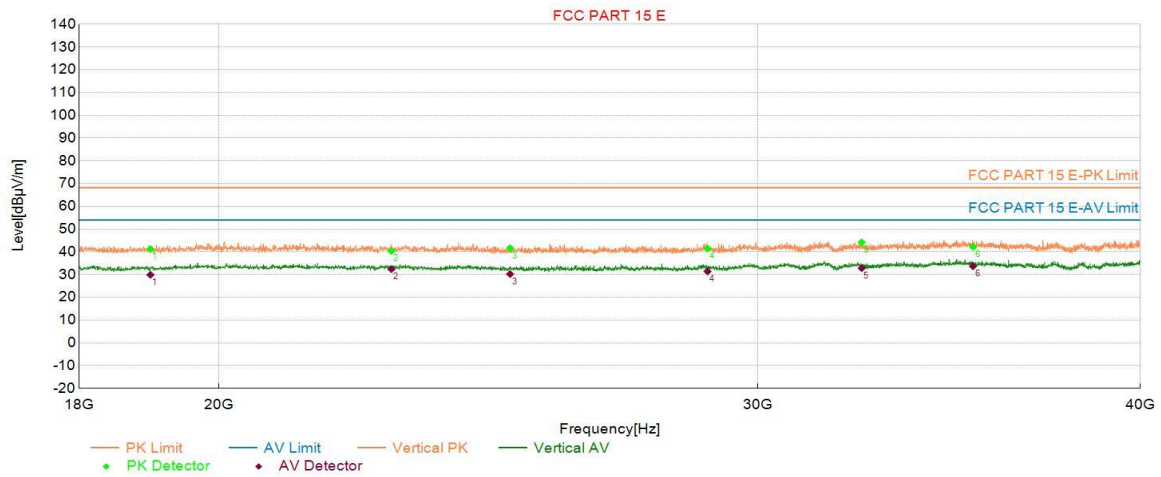
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
EUT:			
Model:	SI07F		
Mode:	11ax_160M_6505M		
Environment:	24.8℃/50%	Engineer:	Soho Liu
Voltage:	DC 5V	SN:	
Remark:			

Start of Test:2026-03-26 18:36:21

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18994.599	41.27	68.20	26.93	150	120	Vertical
2	22770.554	40.40	68.20	27.80	150	90	Vertical
3	24896.179	41.58	68.20	26.62	150	220	Vertical
4	28883.377	41.42	68.20	26.78	150	10	Vertical
5	32434.887	44.17	68.20	24.03	150	180	Vertical
6	35269.054	42.25	68.20	25.95	150	250	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18994.599	29.91	54.00	24.09	150	120	Vertical
2	22770.554	32.38	54.00	21.62	150	90	Vertical
3	24896.179	30.24	54.00	23.76	150	220	Vertical
4	28883.377	31.40	54.00	22.60	150	10	Vertical
5	32434.887	32.82	54.00	21.18	150	180	Vertical
6	35269.054	33.66	54.00	20.34	150	250	Vertical

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

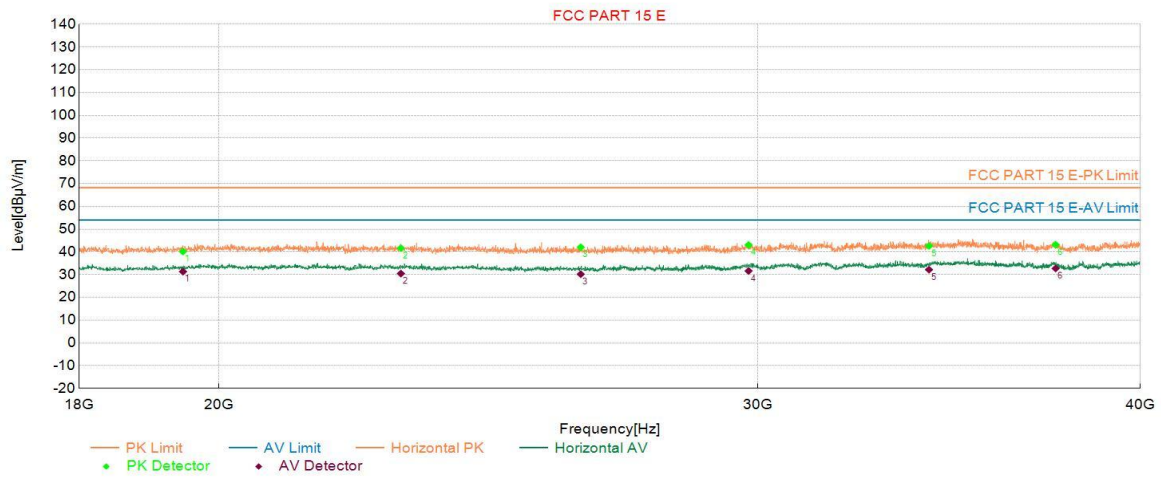
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
EUT:			
Model:	SI07F		
Mode:	11ax_160M_6825M		
Environment:	24.8℃/50%	Engineer:	Soho Liu
Voltage:	DC 5V	SN:	
Remark:			

Start of Test:2026-03-26 18:36:48

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	19465.493	40.14	68.20	28.06	150	30	Horizontal
2	22933.387	41.64	68.20	26.56	150	10	Horizontal
3	26256.051	42.05	68.20	26.15	150	300	Horizontal
4	29789.958	43.02	68.20	25.18	150	280	Horizontal
5	34120.424	42.62	68.20	25.58	150	80	Horizontal
6	37531.106	43.13	68.20	25.07	150	280	Horizontal

AV Final Data List

NO.	Freq. (MHz)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	19465.493	31.32	54.00	22.68	150	30	Horizontal
2	22933.387	30.46	54.00	23.54	150	10	Horizontal
3	26256.051	30.19	54.00	23.81	150	300	Horizontal
4	29789.958	31.60	54.00	22.40	150	280	Horizontal
5	34120.424	32.17	54.00	21.83	150	80	Horizontal
6	37531.106	32.72	54.00	21.28	150	280	Horizontal

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

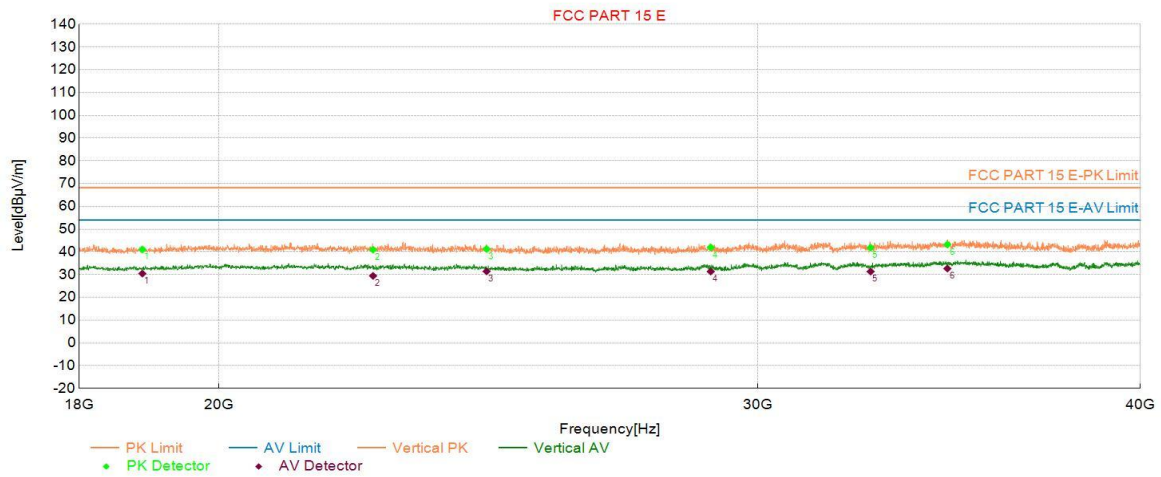
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
EUT:			
Model:	SI07F		
Mode:	11ax_160M_6825M		
Environment:	24.8℃/50%	Engineer:	Soho Liu
Voltage:	DC 5V	SN:	
Remark:			

Start of Test:2026-03-26 18:37:06

Test Graph



PK Final Data List

NO.	Freq. (MHz)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18880.176	41.05	68.20	27.15	150	300	Vertical
2	22458.092	40.97	68.20	27.23	150	350	Vertical
3	24460.492	41.28	68.20	26.92	150	210	Vertical
4	28953.791	41.96	68.20	26.24	150	190	Vertical
5	32654.931	41.87	68.20	26.33	150	0	Vertical
6	34595.719	43.19	68.20	25.01	150	110	Vertical

AV Final Data List

NO.	Freq. (MHz)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	18880.176	30.44	54.00	23.56	150	300	Vertical
2	22458.092	29.44	54.00	24.56	150	350	Vertical
3	24460.492	31.44	54.00	22.56	150	210	Vertical
4	28953.791	31.36	54.00	22.64	150	190	Vertical
5	32654.931	31.37	54.00	22.63	150	0	Vertical
6	34595.719	32.67	54.00	21.33	150	110	Vertical

Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value

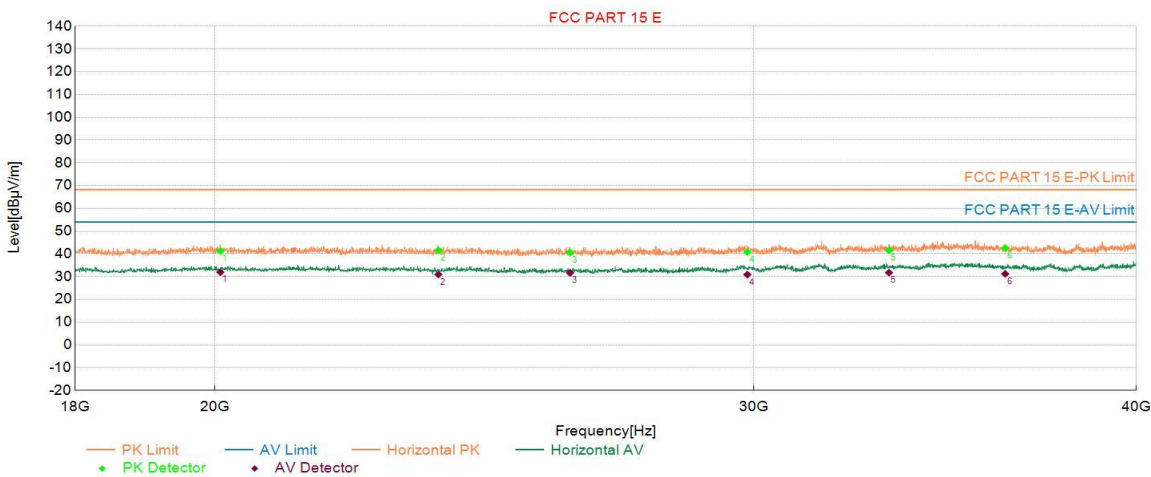
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
EUT:			
Model:	SI07F		
Mode:	11ax_160M_6985M		
Environment:	24.8℃/50%	Engineer:	Soho Liu
Voltage:	DC 5V	SN:	
Remark:			

Start of Test:2026-03-26 18:37:30

Test Graph



PK Final Data List							
NO.	Freq. (MHz)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	20081.616	41.27	68.20	26.93	150	200	Horizontal
2	23659.532	41.56	68.20	26.64	150	360	Horizontal
3	26124.025	40.59	68.20	27.61	150	180	Horizontal
4	29851.570	40.78	68.20	27.42	150	70	Horizontal
5	33209.442	41.53	68.20	26.67	150	40	Horizontal
6	36241.648	42.56	68.20	25.64	150	20	Horizontal

AV Final Data List							
NO.	Freq. (MHz)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	20081.616	31.95	54.00	22.05	150	200	Horizontal
2	23659.532	30.93	54.00	23.07	150	360	Horizontal
3	26124.025	31.63	54.00	22.37	150	180	Horizontal
4	29851.570	30.90	54.00	23.10	150	70	Horizontal
5	33209.442	31.74	54.00	22.26	150	40	Horizontal
6	36241.648	31.21	54.00	22.79	150	20	Horizontal

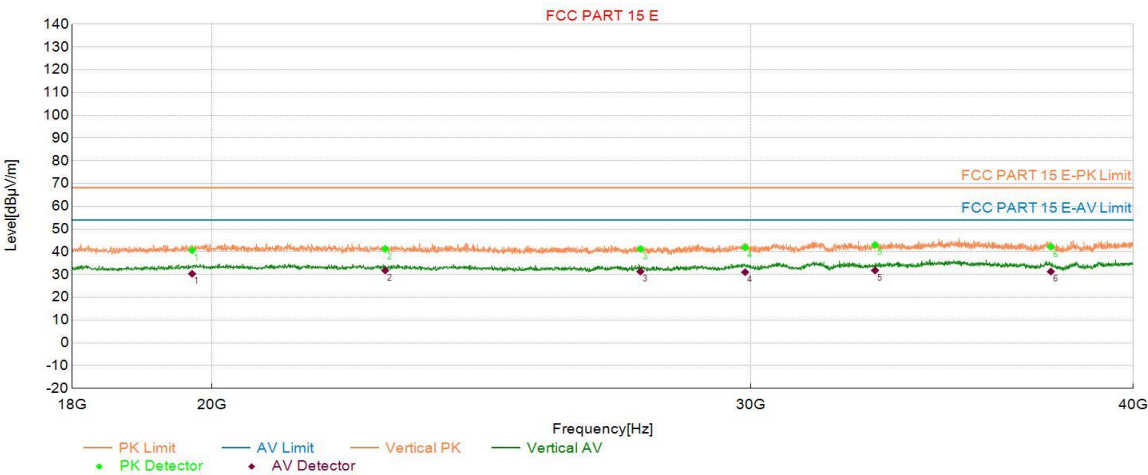
Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
EUT:			
Model:	SI07F		
Mode:	11ax_160M_6985M		
Environment:	24.8℃/50%	Engineer:	Soho Liu
Voltage:	DC 5V	SN:	
Remark:			

Start of Test:2026-03-26 18:37:48

Test Graph



PK Final Data List							
NO.	Freq. (MHz)	PK Value (dBμV/m)	PK Limit (dBμV/m)	PK Margin (dB)	Height (cm)	Angle (°)	Polarity
1	19703.141	40.71	68.20	27.49	150	50	Vertical
2	22783.757	41.31	68.20	26.89	150	270	Vertical
3	27607.121	41.31	68.20	26.89	150	220	Vertical
4	29869.174	41.92	68.20	26.28	150	50	Vertical
5	32936.587	43.05	68.20	25.15	150	200	Vertical
6	37592.719	42.23	68.20	25.97	150	230	Vertical

AV Final Data List							
NO.	Freq. (MHz)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	19703.141	30.37	54.00	23.63	150	50	Vertical
2	22783.757	31.82	54.00	22.18	150	270	Vertical
3	27607.121	31.35	54.00	22.65	150	220	Vertical
4	29869.174	31.06	54.00	22.94	150	50	Vertical
5	32936.587	31.83	54.00	22.17	150	200	Vertical
6	37592.719	31.33	54.00	22.67	150	230	Vertical

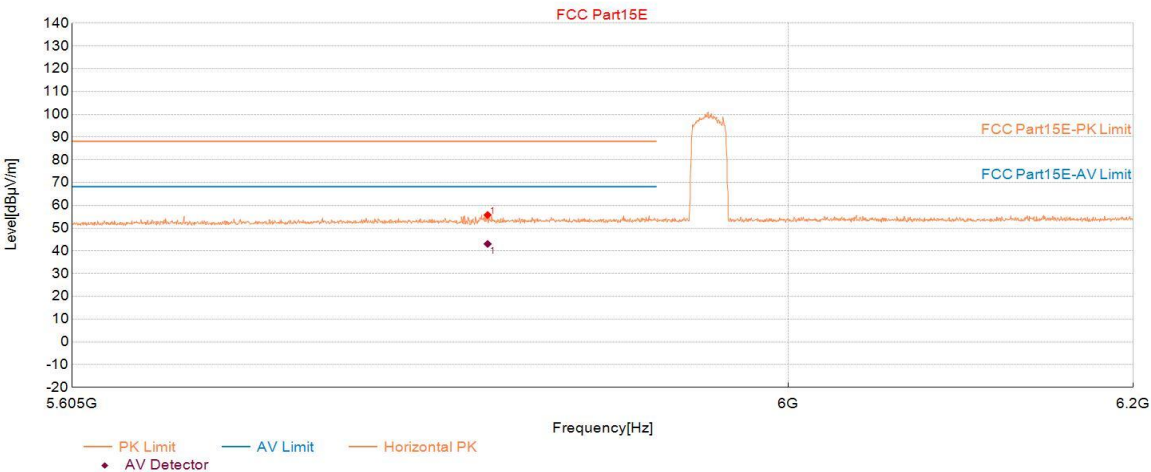
Note1: PK Value=PK Reading + Factor, PK Margin=PK Limit - PK Value
Note2: AV Value=AV Reading + Factor, AV Margin=AV Limit - AV Value

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX20_5955	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 17:28:33

Test Graph



Suspected Data List								
NO.	Frequency (MHz)	Reading(dBµV/m)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Polarity
1	5830.915	38.22	55.78	17.56	88.20	32.42	150	Horizontal

AV Final Data List								
NO.	Freq. (MHz)	Reading(dBµV/m)	Factor (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Polarity
1	5830.915	25.49	17.56	43.05	68.20	25.15	150	Horizontal

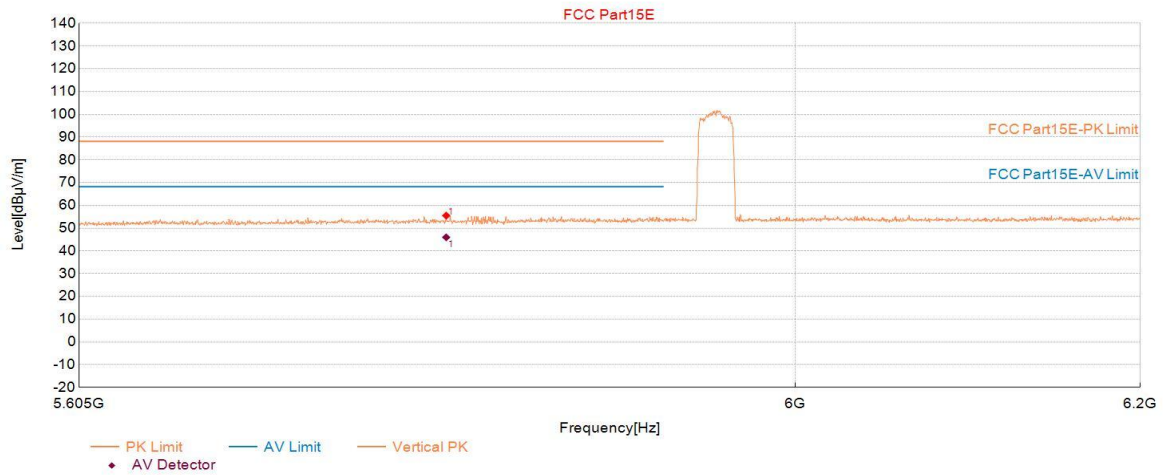
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX20_5955	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 17:29:23

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading(dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5804.127	38.01	55.49	17.48	88.20	32.71	150	120	Vertical

AV Final Data List

NO.	Freq. (MHz)	Reading(dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5804.127	28.47	17.48	45.95	68.20	22.25	150	120	Vertical

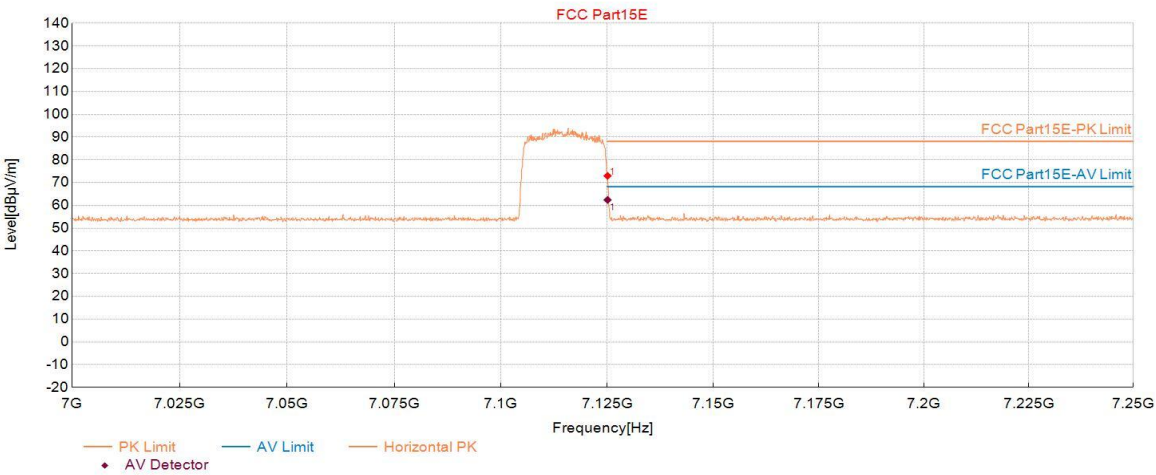
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX20_7115	Voltage:	DC 5V
Environment:	24.4℃/45%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-04-11 21:36:27

Test Graph



Suspected Data List									
NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	7125.063	53.04	72.96	19.92	88.20	15.24	150	7	Horizontal

AV Final Data List									
NO.	Freq. (MHz)	Reading (dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	7125.063	42.48	19.92	62.40	68.20	5.80	150	7	Horizontal

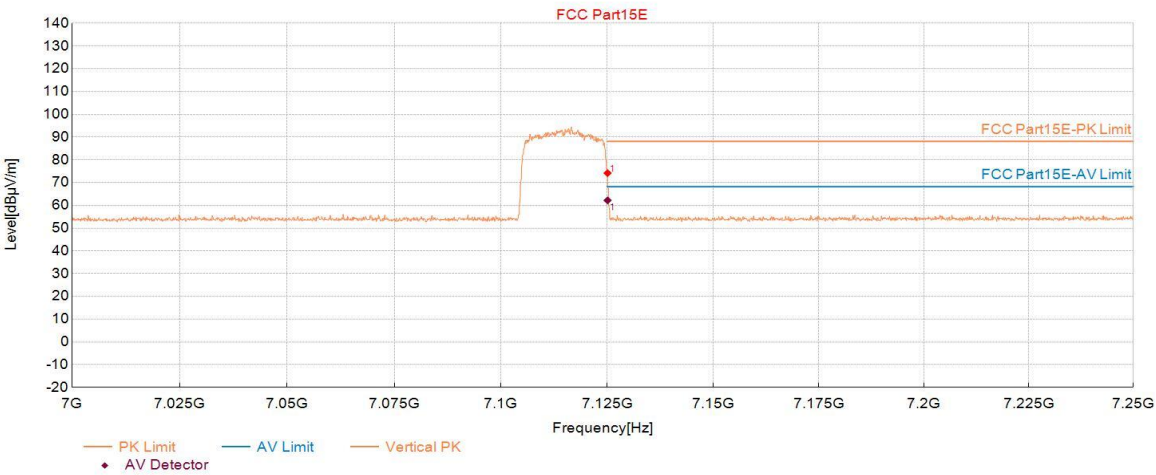
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX20_7115	Voltage:	DC 5V
Environment:	24.4℃/45%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-04-11 21:37:17

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading(dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	7125.063	54.26	74.18	19.92	88.20	14.02	150	23	Vertical

AV Final Data List

NO.	Freq. (MHz)	Reading(dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	7125.064	42.29	19.92	62.21	68.20	5.99	106.6	348	Vertical

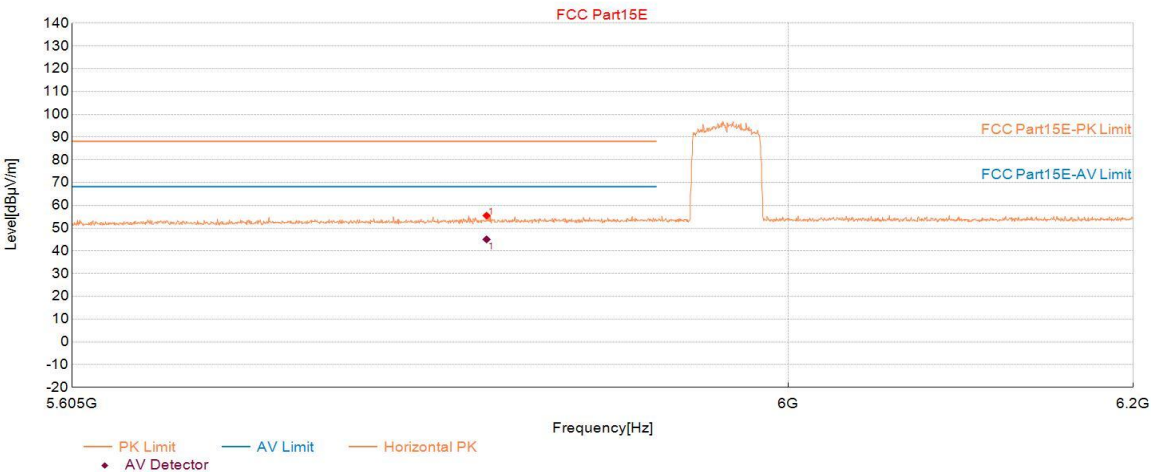
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX40_5965	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 18:16:30

Test Graph



Suspected Data List									
NO.	Frequency (MHz)	Reading(dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5830.320	37.93	55.49	17.56	88.20	32.71	150	345	Horizontal

AV Final Data List									
NO.	Freq. (MHz)	Reading(dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5830.320	27.48	17.56	45.04	68.20	23.16	150	345	Horizontal

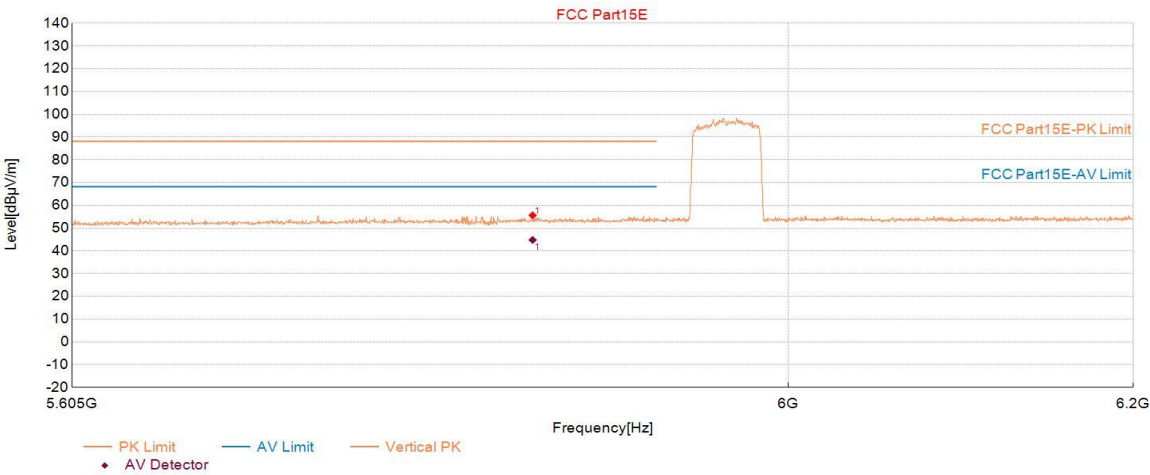
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX40_5965	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 18:17:20

Test Graph



Suspected Data List									
NO.	Frequency (MHz)	Reading(dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5855.918	37.98	55.62	17.64	88.20	32.58	150	265	Vertical

AV Final Data List									
NO.	Freq. (MHz)	Reading(dBμV/m)	Factor (dB)	AV Value (dBμV/m)	AV Limit (dBμV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5855.918	27.15	17.64	44.79	68.20	23.41	150	265	Vertical

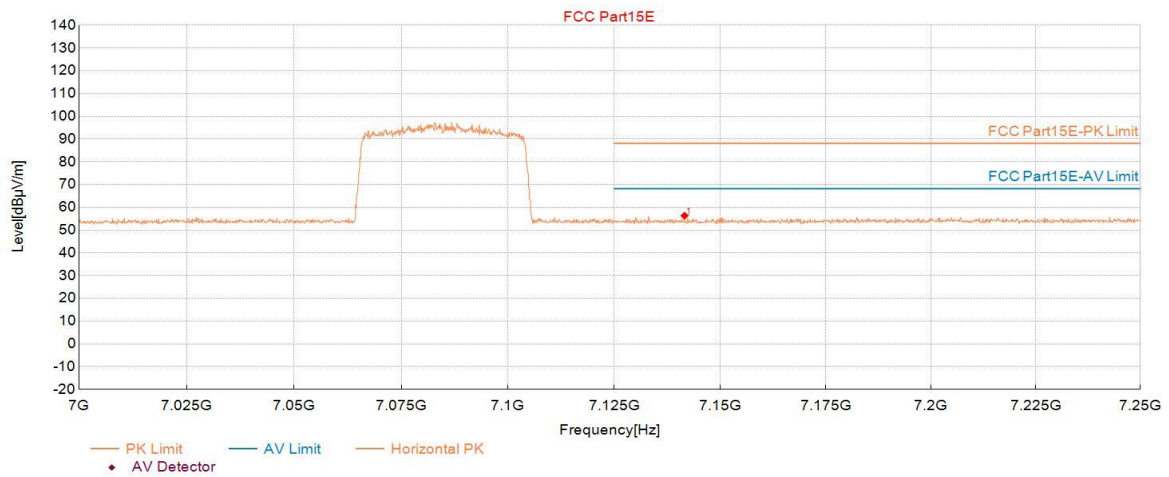
Note1: Level=Reading+Factor, Margin=Limit - Level

Test Report

Project Information			
Customer:	Wifi Module		
EUT:			
Model:	SI07F	SN:	
Mode:	11AX40_7085	Voltage:	DC 5V
Environment:	23.8℃/42%	Engineer:	Soho Liu
Remark:			

Start of Test:2026-03-22 19:04:47

Test Graph



Suspected Data List

NO.	Frequency (MHz)	Reading (dBμV/m)	Level (dBμV/m)	Factor (dB)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	7141.571	36.36	56.35	19.99	88.20	31.85	150	3	Horizontal

Note1: Level=Reading+Factor, Margin=Limit - Level