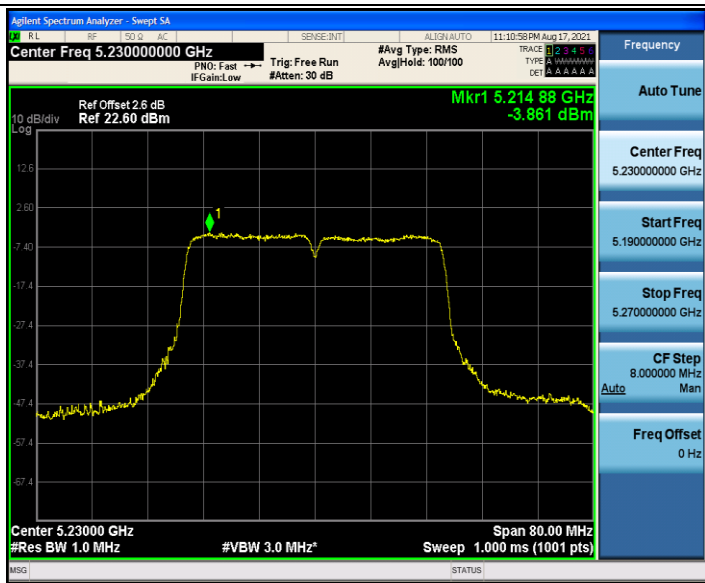




11N40MIMO_Ant1_5755

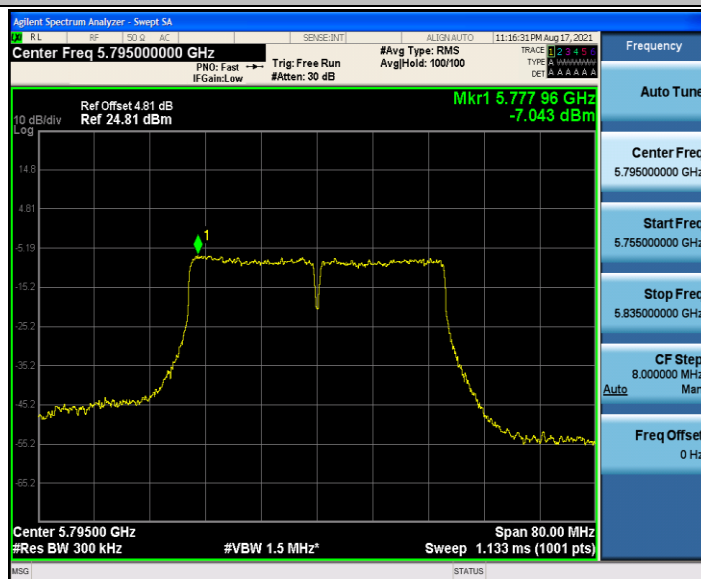


11N40MIMO_Ant2_5755





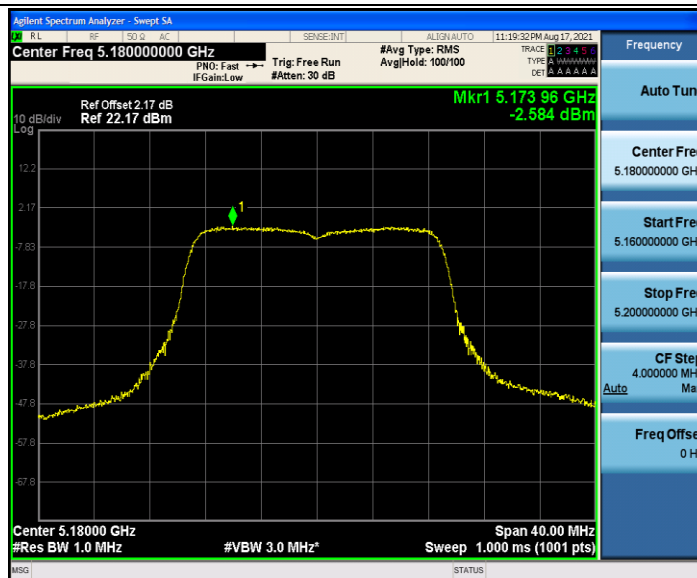
11N40MIMO_Ant1_5795



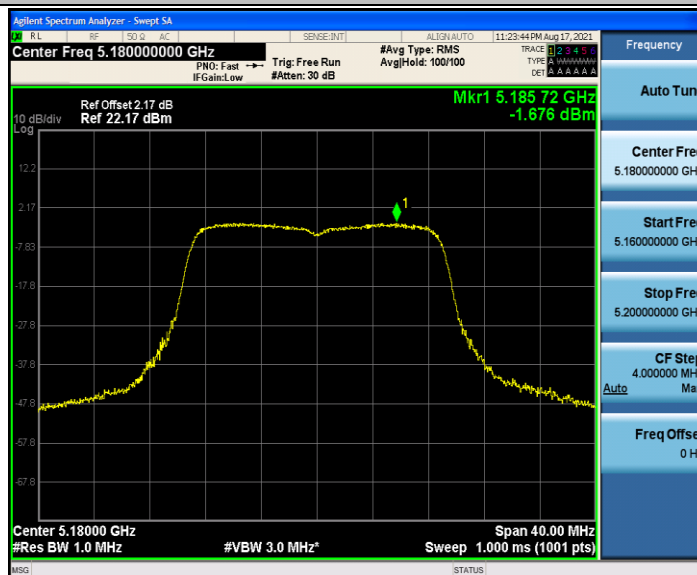
11N40MIMO_Ant2_5795



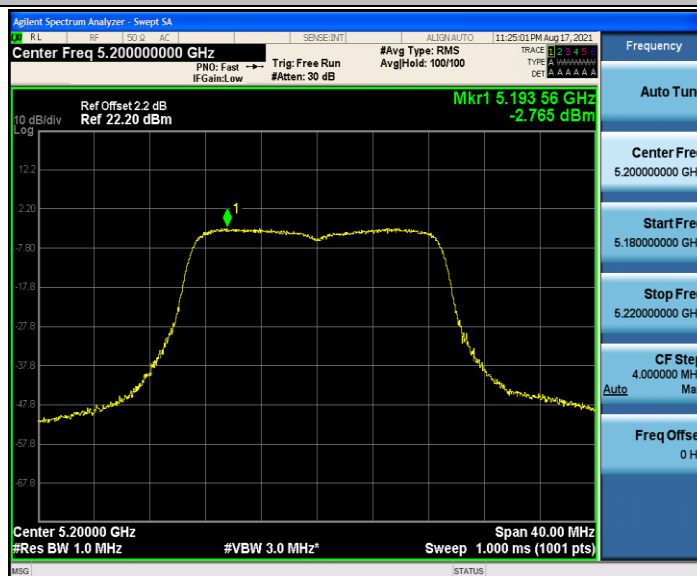
11AC20MIMO_Ant1_5180



11AC20MIMO_Ant2_5180

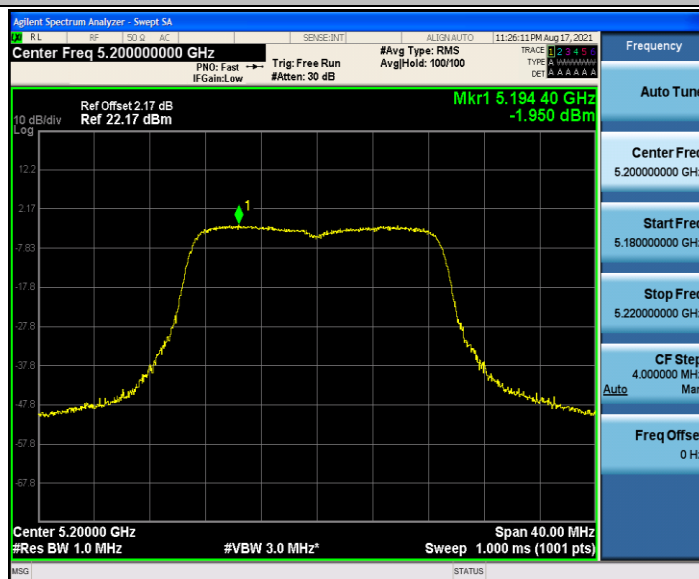


11AC20MIMO_Ant1_5200

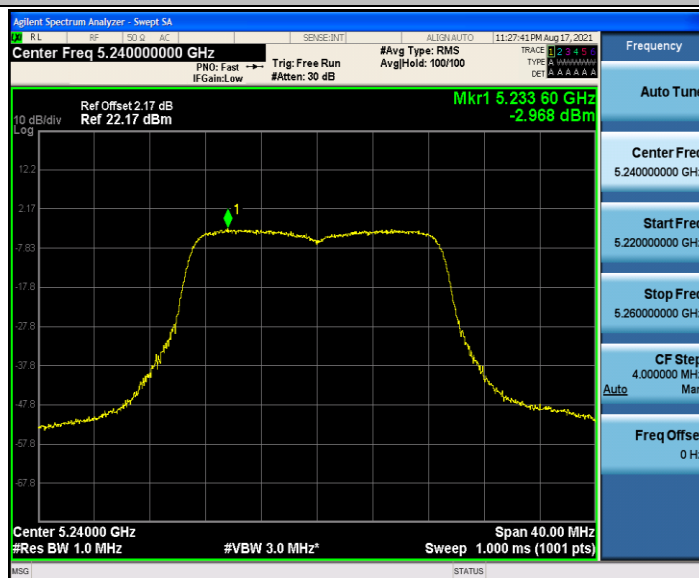




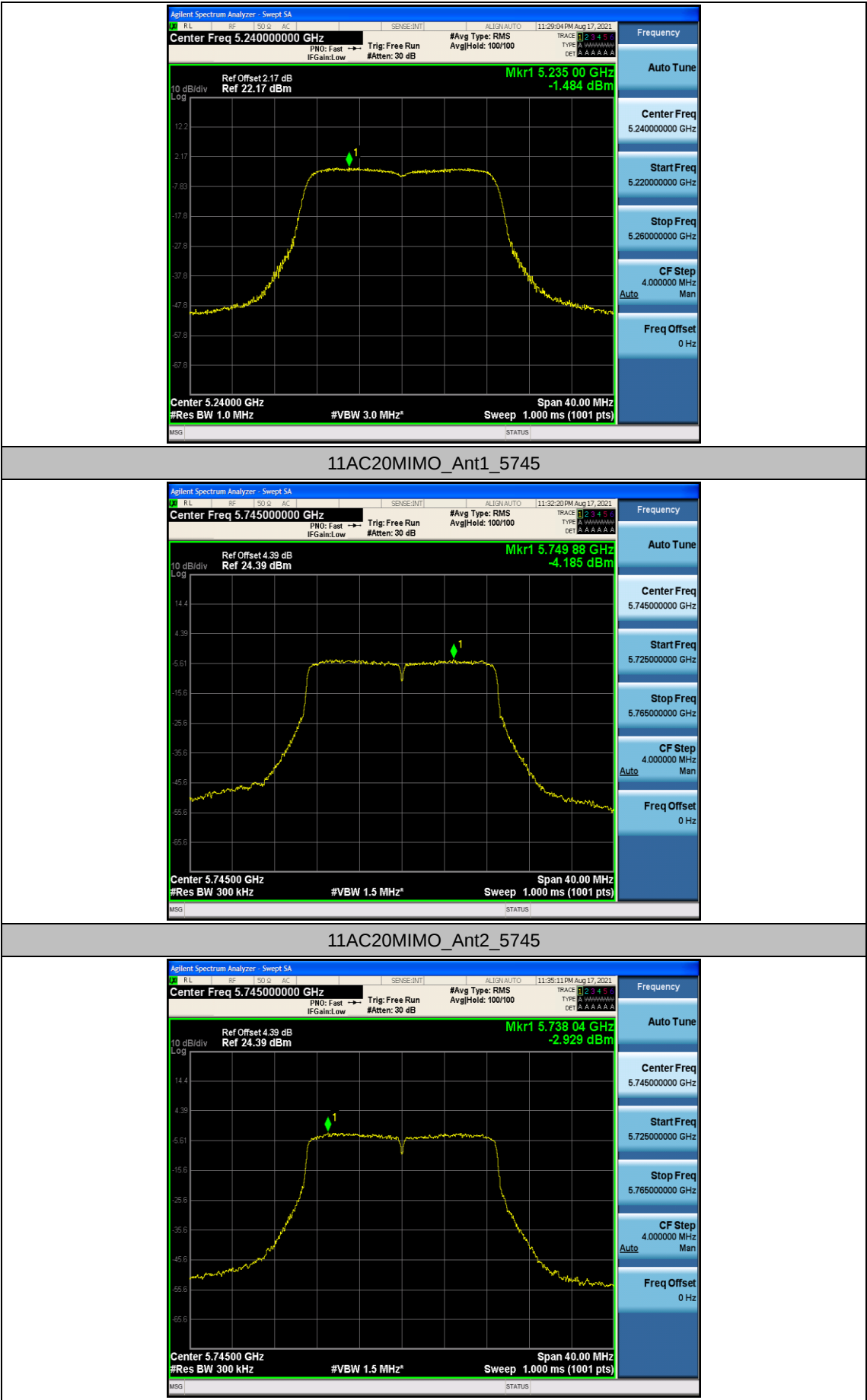
11AC20MIMO_Ant2_5200



11AC20MIMO_Ant1_5240



11AC20MIMO_Ant2_5240





11AC20MIMO_Ant1_5785



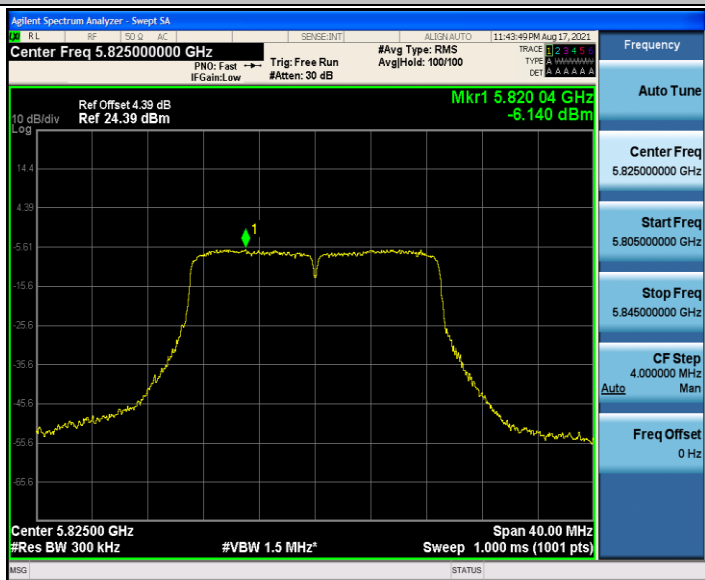
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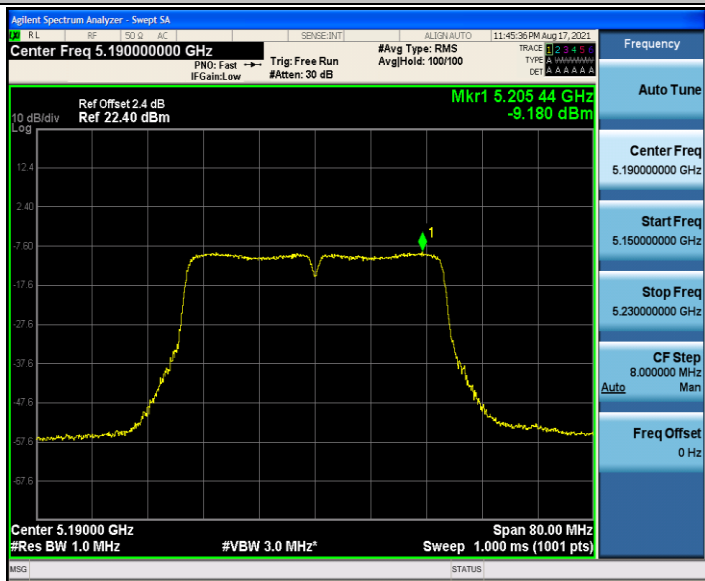
11AC20MIMO_Ant1_5825

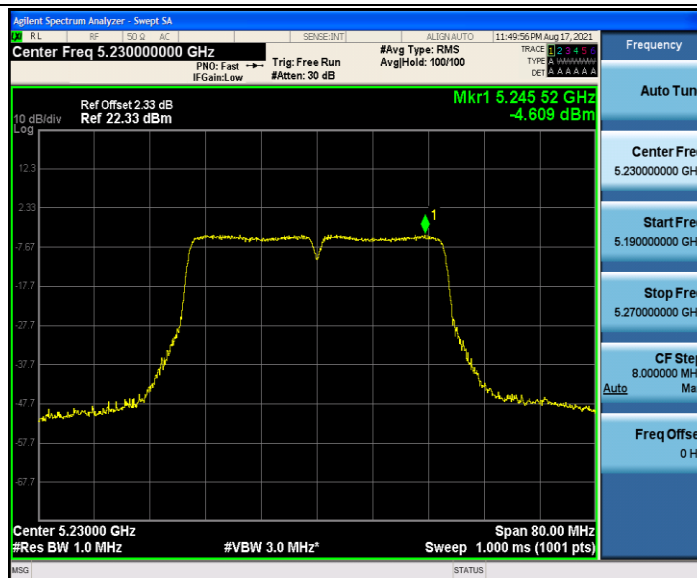


11AC20MIMO_Ant2_5825

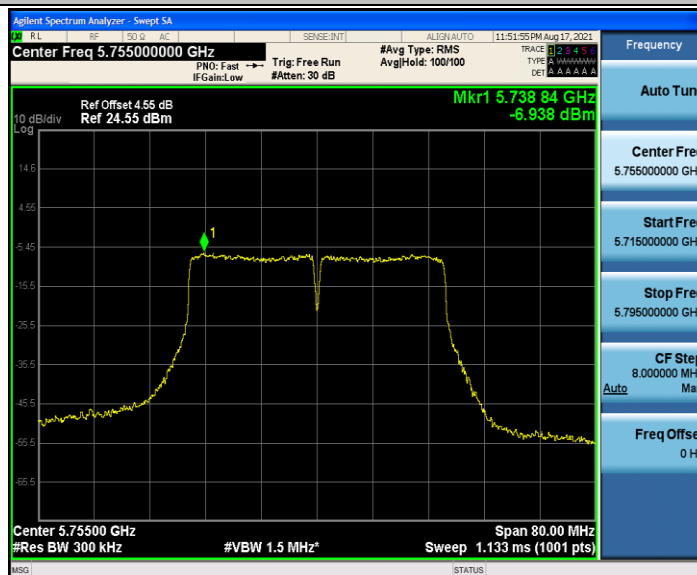


11AC40MIMO_Ant1_5190

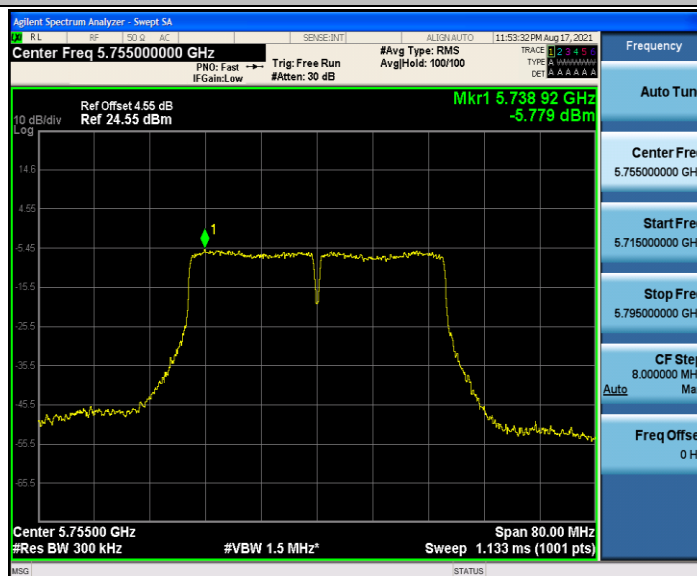




11AC40MIMO_Ant1_5755



11AC40MIMO_Ant2_5755

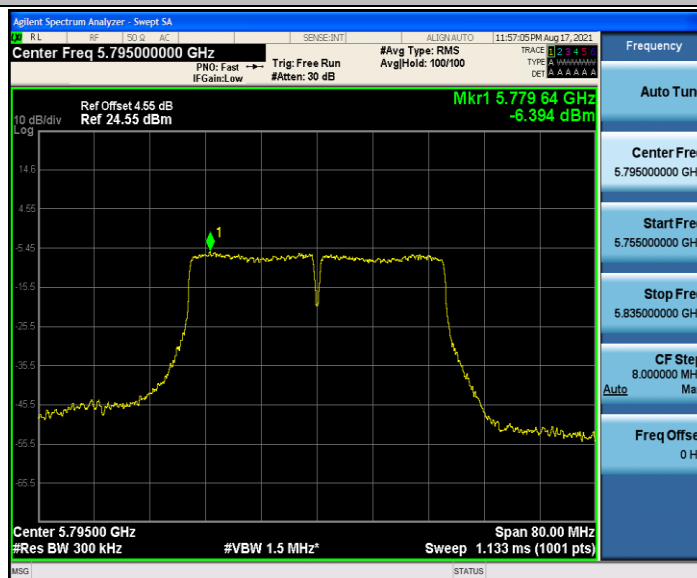




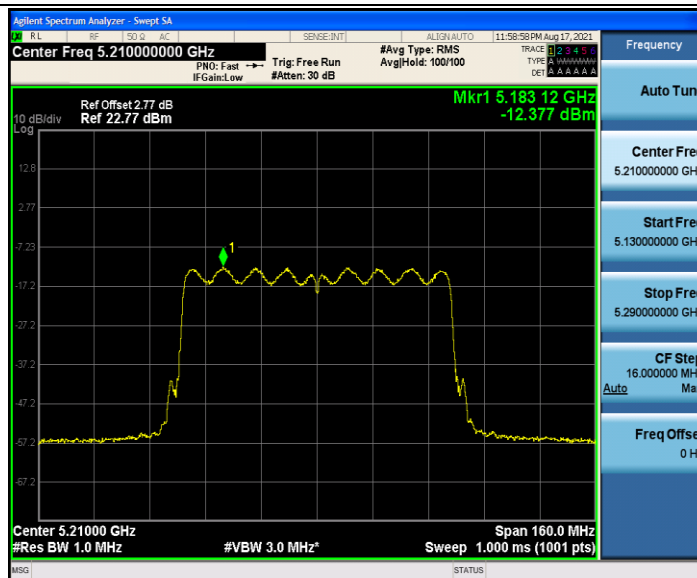
11AC40MIMO_Ant1_5795



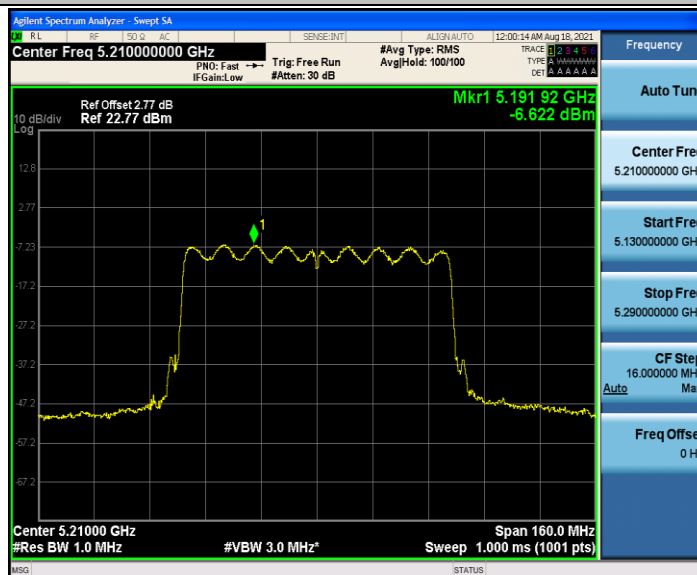
11AC40MIMO_Ant2_5795



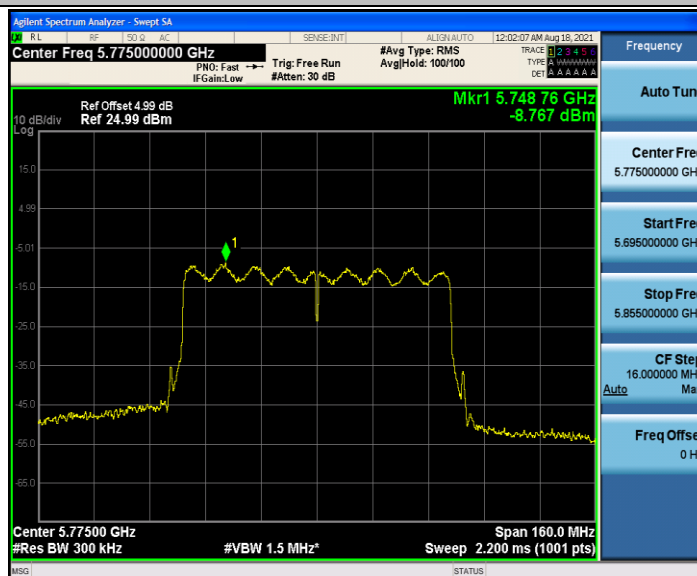
11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210

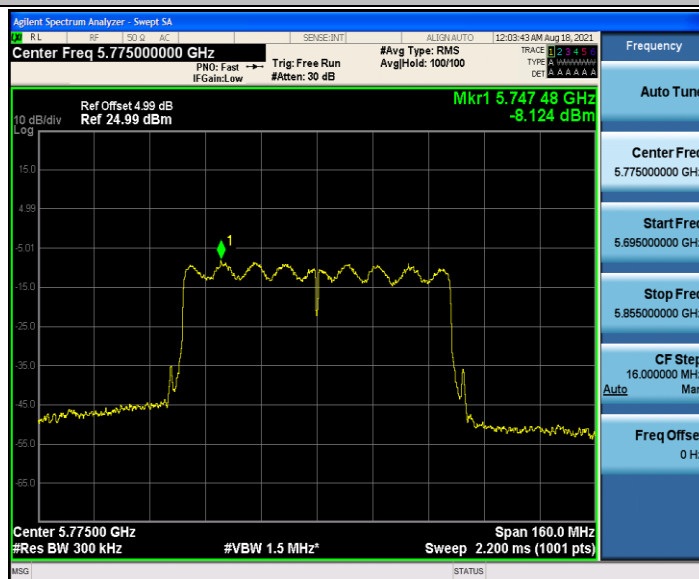


11AC80MIMO_Ant1_5775





11AC80MIMO_Ant2_5775





Appendix D: Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20M IMO	Ant1	5180	NV	NT	-38000	-7.335907	20	PASS
			LV	NT	-40000	-7.722008	20	PASS
			HV	NT	-40000	-7.722008	20	PASS
	Ant2	5180	NV	NT	-40000	-7.722008	20	PASS
			LV	NT	-40000	-7.722008	20	PASS
			HV	NT	-40000	-7.722008	20	PASS
	Ant1	5200	NV	NT	-39000	-7.5	20	PASS
			LV	NT	-40000	-7.692308	20	PASS
			HV	NT	-40000	-7.692308	20	PASS
	Ant2	5200	NV	NT	-39000	-7.5	20	PASS
			LV	NT	-40000	-7.692308	20	PASS
			HV	NT	-40000	-7.692308	20	PASS
	Ant1	5240	NV	NT	-39000	-7.442748	20	PASS
			LV	NT	-40000	-7.633588	20	PASS
			HV	NT	-40000	-7.633588	20	PASS
	Ant2	5240	NV	NT	-39000	-7.442748	20	PASS
			LV	NT	-40000	-7.633588	20	PASS
			HV	NT	-40000	-7.633588	20	PASS
	Ant1	5745	NV	NT	-42000	-7.310705	20	PASS
			LV	NT	-44000	-7.658834	20	PASS
			HV	NT	-44000	-7.658834	20	PASS
	Ant2	5745	NV	NT	-43000	-7.484769	20	PASS
			LV	NT	-43000	-7.484769	20	PASS
			HV	NT	-43000	-7.484769	20	PASS
	Ant1	5785	NV	NT	-42000	-7.260156	20	PASS
			LV	NT	-44000	-7.605877	20	PASS
			HV	NT	-44000	-7.605877	20	PASS
	Ant2	5785	NV	NT	-43000	-7.433016	20	PASS
			LV	NT	-44000	-7.605877	20	PASS
			HV	NT	-44000	-7.605877	20	PASS
	Ant1	5825	NV	NT	-43000	-7.381974	20	PASS
			LV	NT	-44000	-7.553648	20	PASS
			HV	NT	-44000	-7.553648	20	PASS
	Ant2	5825	NV	NT	-43000	-7.381974	20	PASS
			LV	NT	-44000	-7.553648	20	PASS



			HV	NT	-44000	-7.553648	20	PASS
11AC40M IMO	Ant1	5190	NV	NT	-38000	-7.321773	20	PASS
			LV	NT	-38000	-7.321773	20	PASS
			HV	NT	-39000	-7.514451	20	PASS
	Ant2	5190	NV	NT	-38000	-7.321773	20	PASS
			LV	NT	-39000	-7.514451	20	PASS
			HV	NT	-39000	-7.514451	20	PASS
	Ant1	5230	NV	NT	-39000	-7.456979	20	PASS
			LV	NT	-40000	-7.648184	20	PASS
			HV	NT	-40000	-7.648184	20	PASS
	Ant2	5230	NV	NT	-39000	-7.456979	20	PASS
			LV	NT	-39000	-7.456979	20	PASS
			HV	NT	-40000	-7.648184	20	PASS
	Ant1	5755	NV	NT	-42000	-7.298002	20	PASS
			LV	NT	-44000	-7.645526	20	PASS
			HV	NT	-44000	-7.645526	20	PASS
	Ant2	5755	NV	NT	-42000	-7.298002	20	PASS
			LV	NT	-43000	-7.471764	20	PASS
			HV	NT	-43000	-7.471764	20	PASS
	Ant1	5795	NV	NT	-44000	-7.592752	20	PASS
			LV	NT	-45000	-7.765315	20	PASS
			HV	NT	-45000	-7.765315	20	PASS
	Ant2	5795	NV	NT	-44000	-7.592752	20	PASS
			LV	NT	-45000	-7.765315	20	PASS
			HV	NT	-45000	-7.765315	20	PASS
11AC80M IMO	Ant1	5210	NV	NT	-39000	-7.485605	20	PASS
			LV	NT	-40000	-7.677543	20	PASS
			HV	NT	-41000	-7.869482	20	PASS
	Ant2	5210	NV	NT	-40000	-7.677543	20	PASS
			LV	NT	-40000	-7.677543	20	PASS
			HV	NT	-41000	-7.869482	20	PASS
	Ant1	5775	NV	NT	-45000	-7.792208	20	PASS
			LV	NT	-45000	-7.792208	20	PASS
			HV	NT	-45000	-7.792208	20	PASS
	Ant2	5775	NV	NT	-45000	-7.792208	20	PASS
			LV	NT	-45000	-7.792208	20	PASS
			HV	NT	-45000	-7.792208	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20M IMO	Ant1	5180	NV	-10	-40000	-7.722008	20	PASS
			NV	0	-40000	-7.722008	20	PASS



			NV	10	-40000	-7.722008	20	PASS
			NV	20	-40000	-7.722008	20	PASS
			NV	30	-40000	-7.722008	20	PASS
			NV	40	-40000	-7.722008	20	PASS
	Ant2	5180	NV	-10	-40000	-7.722008	20	PASS
			NV	0	-40000	-7.722008	20	PASS
			NV	10	-40000	-7.722008	20	PASS
			NV	20	-40000	-7.722008	20	PASS
			NV	30	-40000	-7.722008	20	PASS
			NV	40	-40000	-7.722008	20	PASS
	Ant1	5200	NV	-10	-40000	-7.692308	20	PASS
			NV	0	-40000	-7.692308	20	PASS
			NV	10	-40000	-7.692308	20	PASS
			NV	20	-40000	-7.692308	20	PASS
			NV	30	-40000	-7.692308	20	PASS
			NV	40	-40000	-7.692308	20	PASS
	Ant2	5200	NV	-10	-40000	-7.692308	20	PASS
			NV	0	-40000	-7.692308	20	PASS
			NV	10	-40000	-7.692308	20	PASS
			NV	20	-40000	-7.692308	20	PASS
			NV	30	-40000	-7.692308	20	PASS
			NV	40	-40000	-7.692308	20	PASS
	Ant1	5240	NV	-10	-40000	-7.633588	20	PASS
			NV	0	-40000	-7.633588	20	PASS
			NV	10	-40000	-7.633588	20	PASS
			NV	20	-40000	-7.633588	20	PASS
			NV	30	-40000	-7.633588	20	PASS
			NV	40	-40000	-7.633588	20	PASS
	Ant2	5240	NV	-10	-40000	-7.633588	20	PASS
			NV	0	-40000	-7.633588	20	PASS
			NV	10	-40000	-7.633588	20	PASS
			NV	20	-40000	-7.633588	20	PASS
			NV	30	-40000	-7.633588	20	PASS
			NV	40	-40000	-7.633588	20	PASS
	Ant1	5745	NV	-10	-44000	-7.658834	20	PASS
			NV	0	-44000	-7.658834	20	PASS
			NV	10	-44000	-7.658834	20	PASS
			NV	20	-44000	-7.658834	20	PASS
			NV	30	-44000	-7.658834	20	PASS
			NV	40	-44000	-7.658834	20	PASS
	Ant2	5745	NV	-10	-44000	-7.658834	20	PASS
			NV	0	-43000	-7.484769	20	PASS
			NV	10	-43000	-7.484769	20	PASS



			NV	20	-43000	-7.484769	20	PASS
			NV	30	-43000	-7.484769	20	PASS
			NV	40	-43000	-7.484769	20	PASS
	Ant1	5785	NV	-10	-44000	-7.605877	20	PASS
			NV	0	-45000	-7.778738	20	PASS
			NV	10	-45000	-7.778738	20	PASS
			NV	20	-45000	-7.778738	20	PASS
			NV	30	-44000	-7.605877	20	PASS
			NV	40	-44000	-7.605877	20	PASS
	Ant2	5785	NV	-10	-44000	-7.605877	20	PASS
			NV	0	-44000	-7.605877	20	PASS
			NV	10	-44000	-7.605877	20	PASS
			NV	20	-44000	-7.605877	20	PASS
			NV	30	-44000	-7.605877	20	PASS
			NV	40	-44000	-7.605877	20	PASS
	Ant1	5825	NV	-10	-45000	-7.725322	20	PASS
			NV	0	-45000	-7.725322	20	PASS
			NV	10	-45000	-7.725322	20	PASS
			NV	20	-45000	-7.725322	20	PASS
			NV	30	-45000	-7.725322	20	PASS
			NV	40	-45000	-7.725322	20	PASS
	Ant2	5825	NV	-10	-44000	-7.553648	20	PASS
			NV	0	-44000	-7.553648	20	PASS
			NV	10	-44000	-7.553648	20	PASS
			NV	20	-44000	-7.553648	20	PASS
			NV	30	-44000	-7.553648	20	PASS
			NV	40	-44000	-7.553648	20	PASS
11AC40M IMO	Ant1	5190	NV	-10	-39000	-7.514451	20	PASS
			NV	0	-39000	-7.514451	20	PASS
			NV	10	-39000	-7.514451	20	PASS
			NV	20	-39000	-7.514451	20	PASS
			NV	30	-39000	-7.514451	20	PASS
			NV	40	-39000	-7.514451	20	PASS
	Ant2	5190	NV	-10	-39000	-7.514451	20	PASS
			NV	0	-39000	-7.514451	20	PASS
			NV	10	-39000	-7.514451	20	PASS
			NV	20	-39000	-7.514451	20	PASS
			NV	30	-39000	-7.514451	20	PASS
			NV	40	-39000	-7.514451	20	PASS
	Ant1	5230	NV	-10	-40000	-7.648184	20	PASS
			NV	0	-40000	-7.648184	20	PASS
			NV	10	-40000	-7.648184	20	PASS
			NV	20	-40000	-7.648184	20	PASS



			NV	30	-40000	-7.648184	20	PASS
			NV	40	-40000	-7.648184	20	PASS
	Ant2	5230	NV	-10	-40000	-7.648184	20	PASS
			NV	0	-40000	-7.648184	20	PASS
			NV	10	-40000	-7.648184	20	PASS
			NV	20	-39000	-7.456979	20	PASS
			NV	30	-40000	-7.648184	20	PASS
			NV	40	-40000	-7.648184	20	PASS
	Ant1	5755	NV	-10	-44000	-7.645526	20	PASS
			NV	0	-44000	-7.645526	20	PASS
			NV	10	-44000	-7.645526	20	PASS
			NV	20	-44000	-7.645526	20	PASS
			NV	30	-44000	-7.645526	20	PASS
			NV	40	-44000	-7.645526	20	PASS
	Ant2	5755	NV	-10	-44000	-7.645526	20	PASS
			NV	0	-44000	-7.645526	20	PASS
			NV	10	-44000	-7.645526	20	PASS
			NV	20	-44000	-7.645526	20	PASS
			NV	30	-44000	-7.645526	20	PASS
			NV	40	-44000	-7.645526	20	PASS
	Ant1	5795	NV	-10	-45000	-7.765315	20	PASS
			NV	0	-45000	-7.765315	20	PASS
			NV	10	-45000	-7.765315	20	PASS
			NV	20	-45000	-7.765315	20	PASS
			NV	30	-45000	-7.765315	20	PASS
			NV	40	-45000	-7.765315	20	PASS
	Ant2	5795	NV	-10	-45000	-7.765315	20	PASS
			NV	0	-45000	-7.765315	20	PASS
			NV	10	-45000	-7.765315	20	PASS
			NV	20	-45000	-7.765315	20	PASS
			NV	30	-45000	-7.765315	20	PASS
			NV	40	-45000	-7.765315	20	PASS
11AC80M IMO	Ant1	5210	NV	-10	-41000	-7.869482	20	PASS
			NV	0	-41000	-7.869482	20	PASS
			NV	10	-41000	-7.869482	20	PASS
			NV	20	-41000	-7.869482	20	PASS
			NV	30	-41000	-7.869482	20	PASS
			NV	40	-41000	-7.869482	20	PASS
	Ant2	5210	NV	-10	-41000	-7.869482	20	PASS
			NV	0	-41000	-7.869482	20	PASS
			NV	10	-41000	-7.869482	20	PASS
			NV	20	-41000	-7.869482	20	PASS
			NV	30	-41000	-7.869482	20	PASS



			NV	40	-41000	-7.869482	20	PASS
	Ant1	5775	NV	-10	-45000	-7.792208	20	PASS
			NV	0	-45000	-7.792208	20	PASS
			NV	10	-45000	-7.792208	20	PASS
			NV	20	-45000	-7.792208	20	PASS
			NV	30	-45000	-7.792208	20	PASS
			NV	40	-45000	-7.792208	20	PASS
	Ant2	5775	NV	-10	-45000	-7.792208	20	PASS
			NV	0	-45000	-7.792208	20	PASS
			NV	10	-45000	-7.792208	20	PASS
			NV	20	-45000	-7.792208	20	PASS
			NV	30	-45000	-7.792208	20	PASS
			NV	40	-45000	-7.792208	20	PASS