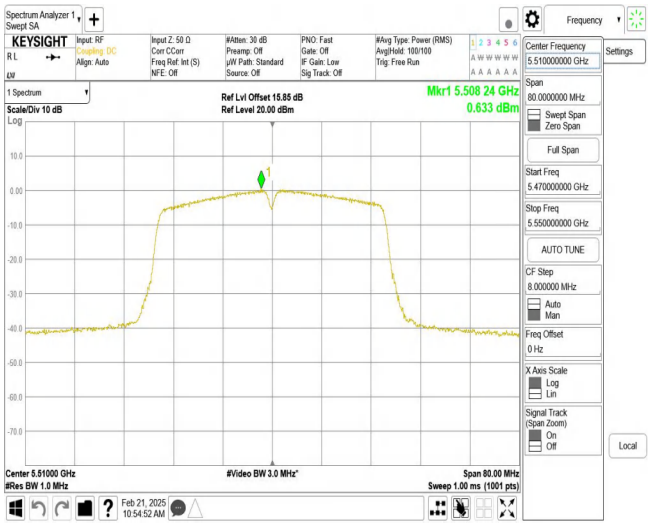

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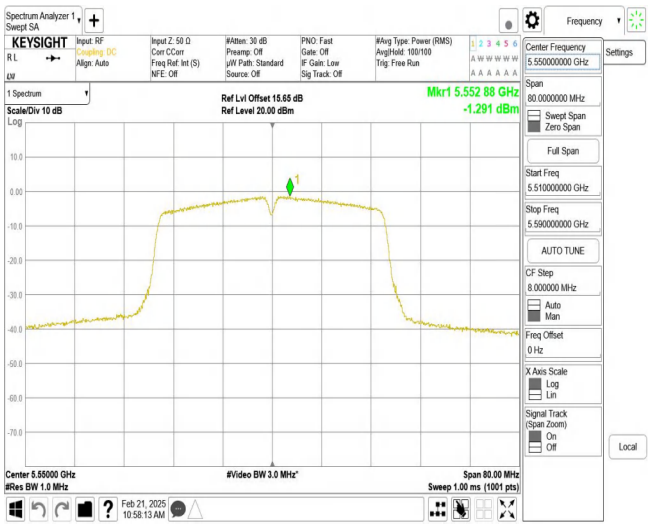

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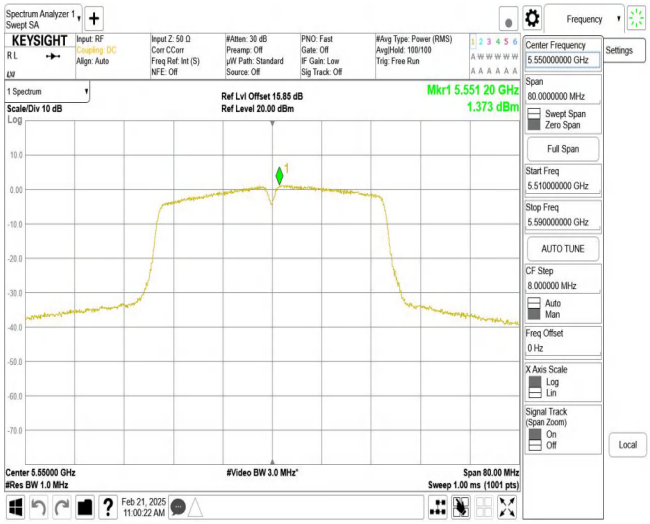

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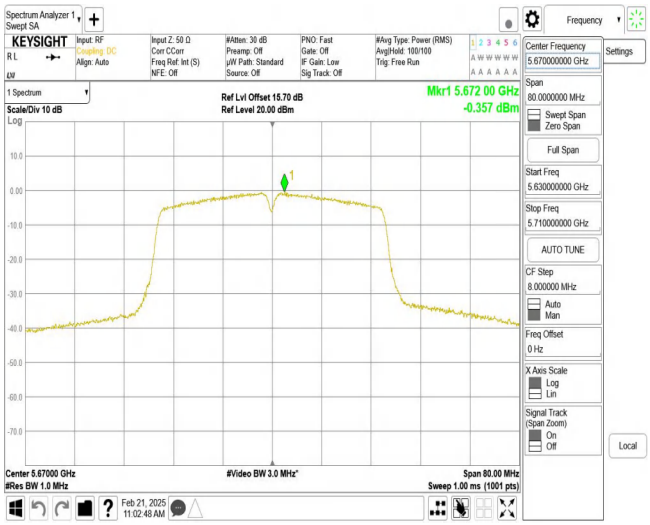

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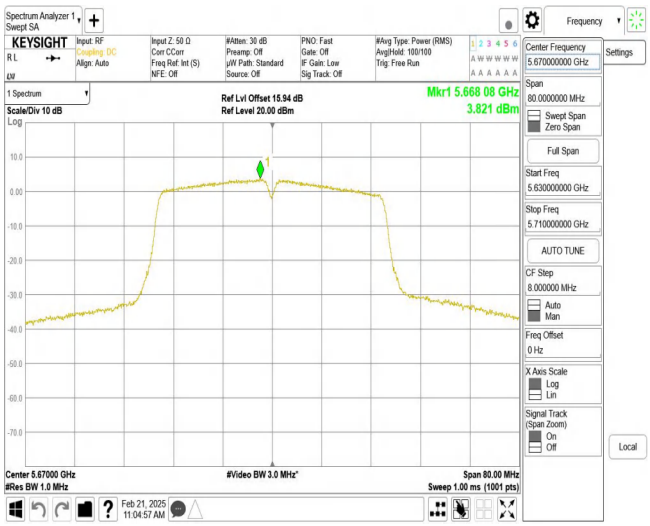

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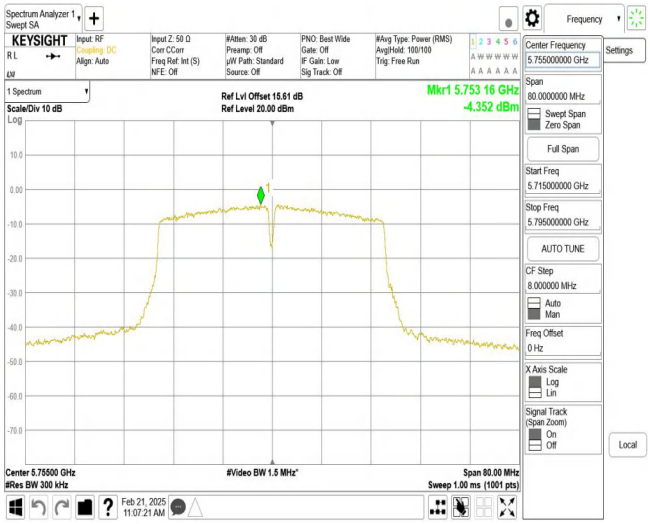

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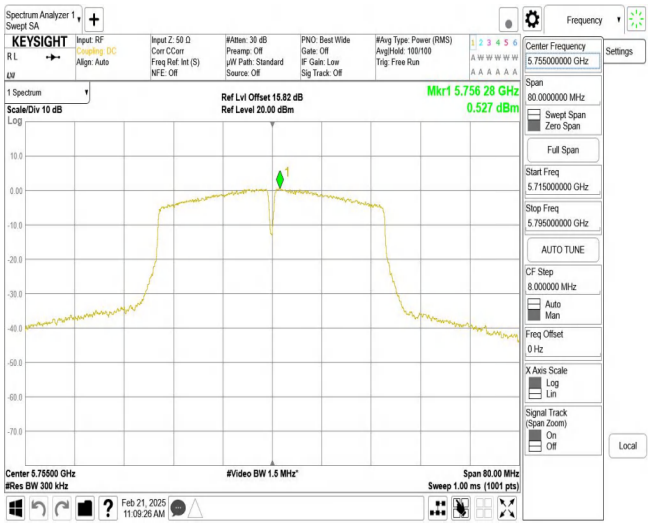

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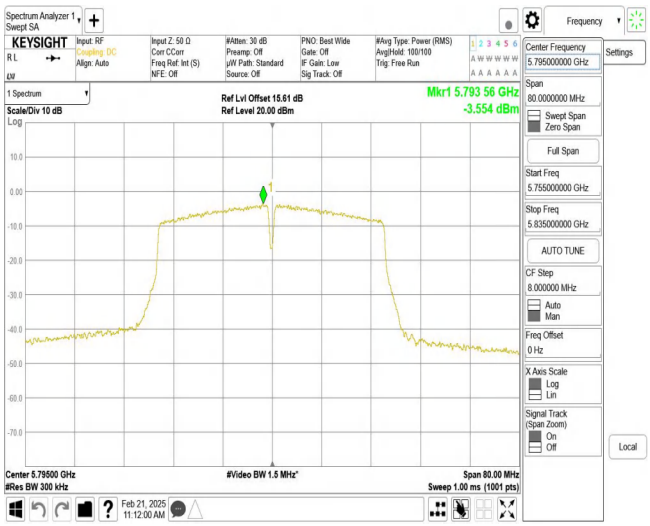

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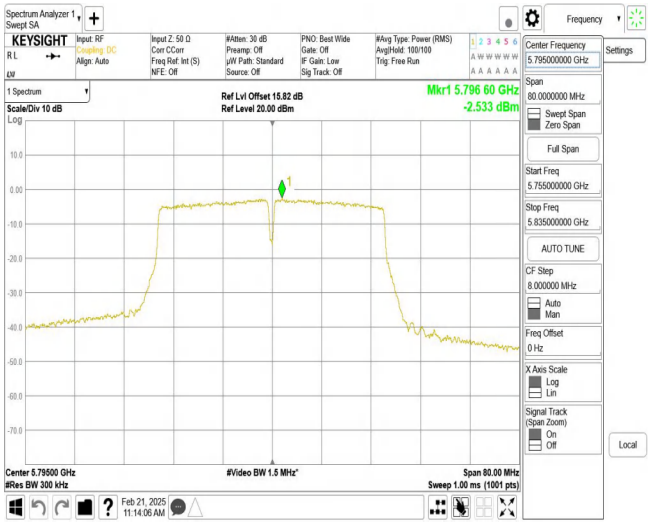

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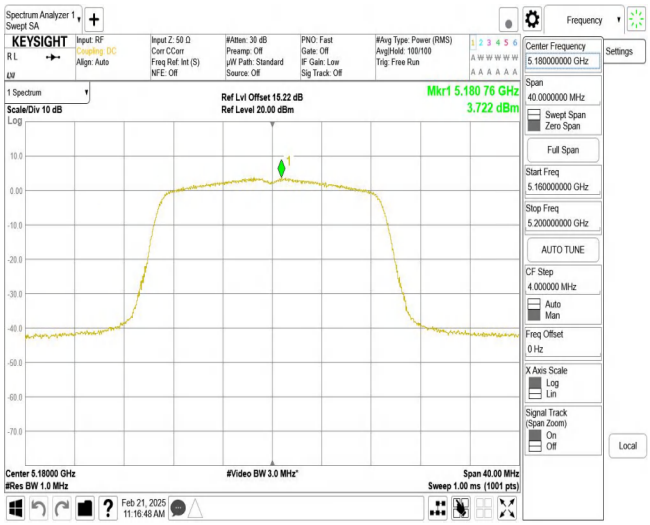

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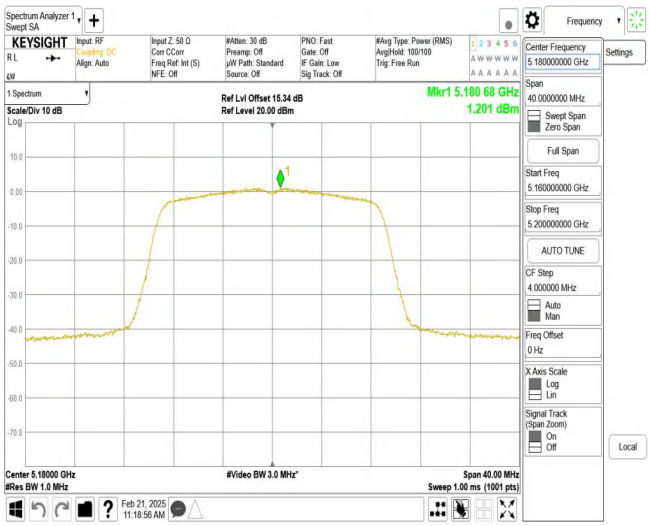

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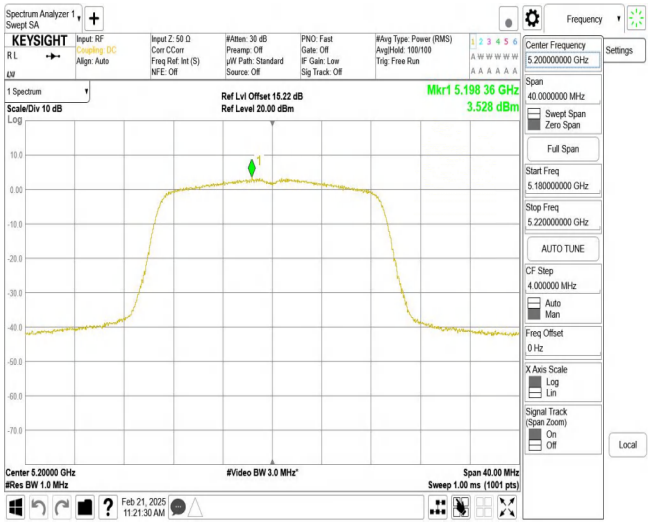

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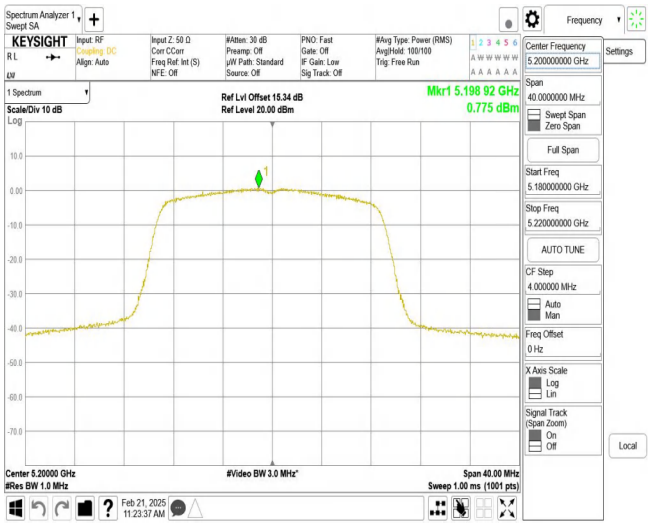

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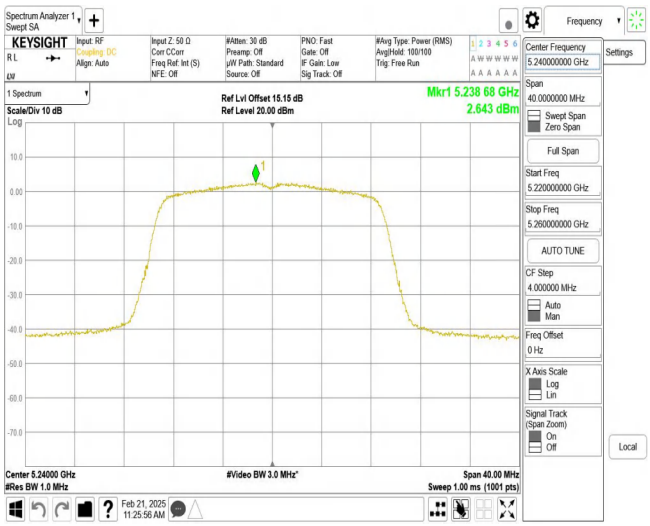

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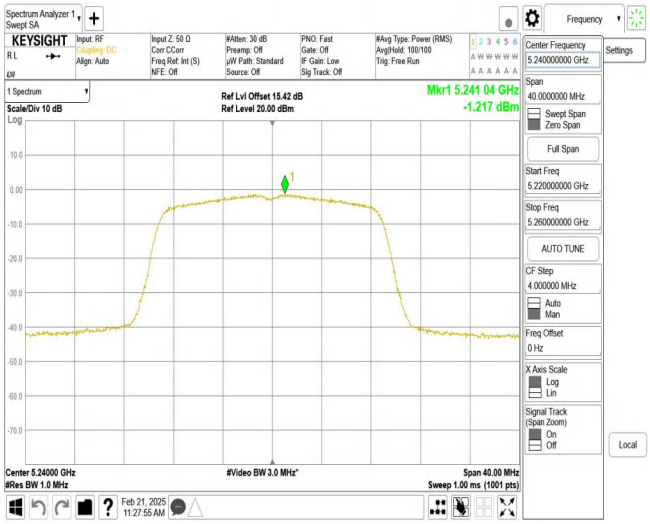

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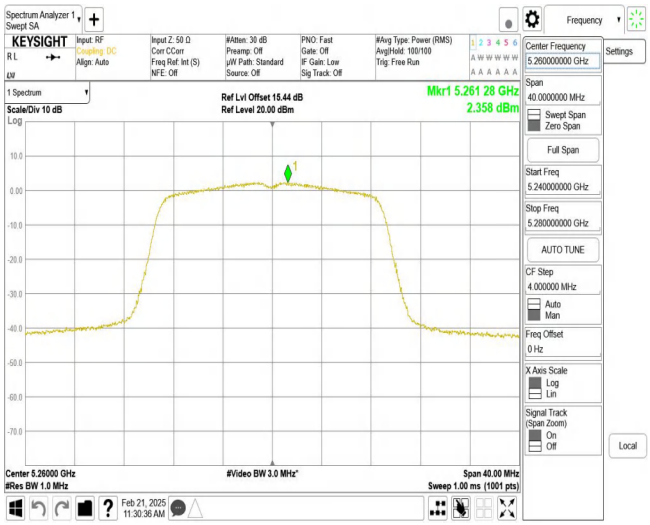

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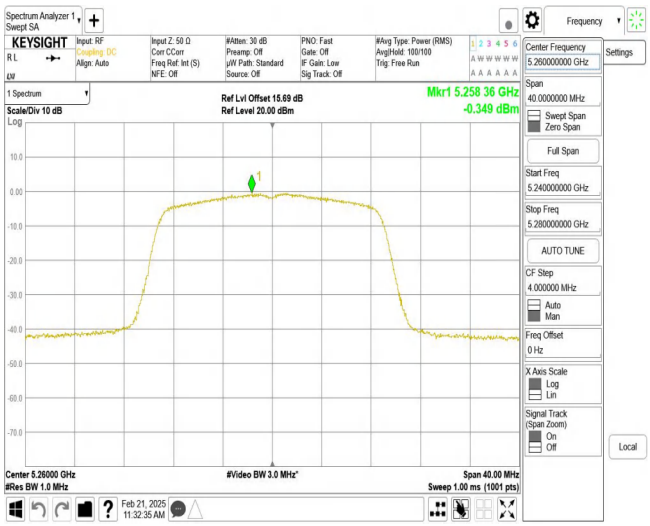

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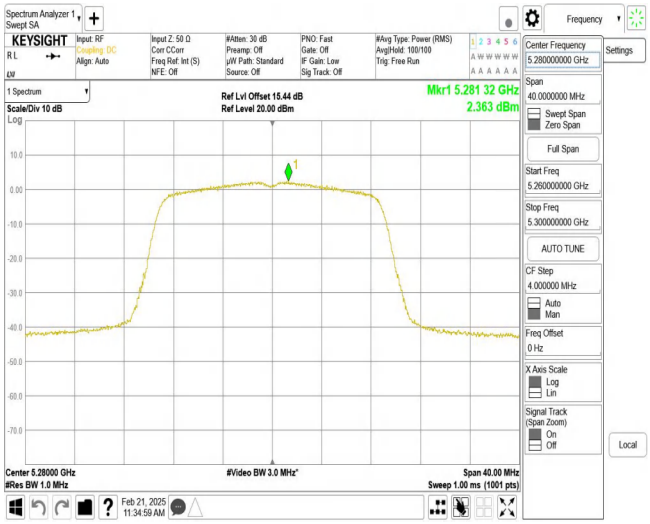

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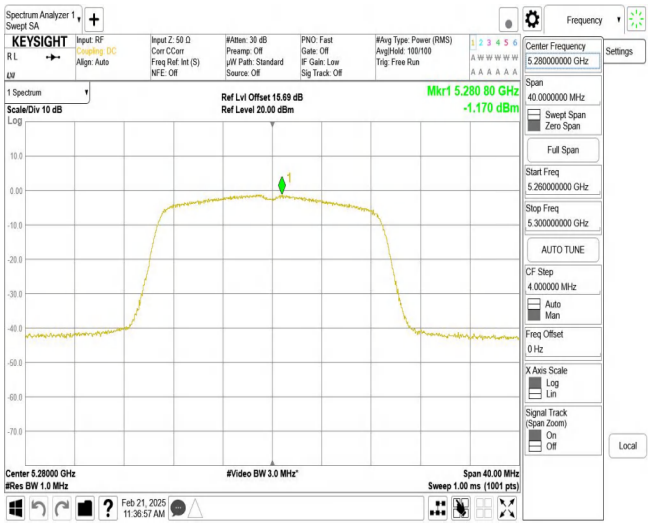

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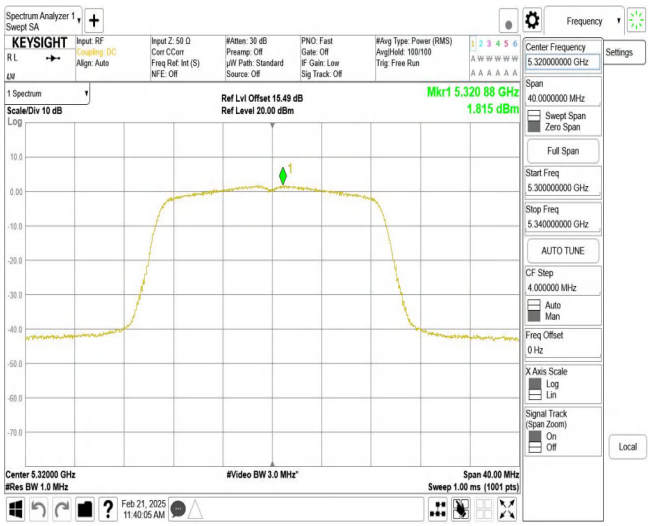

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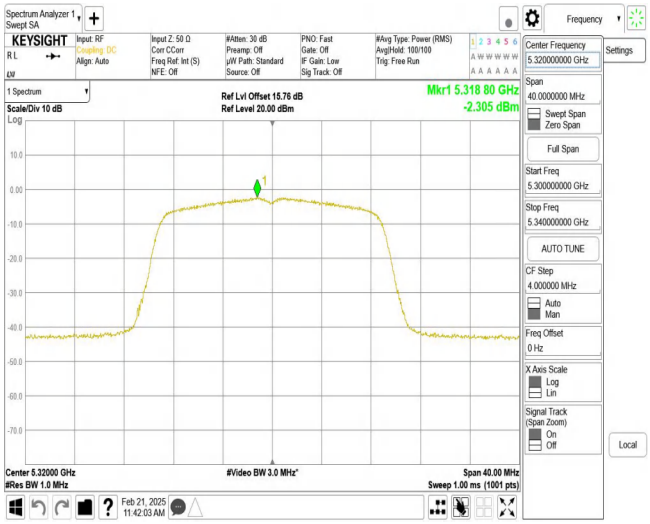

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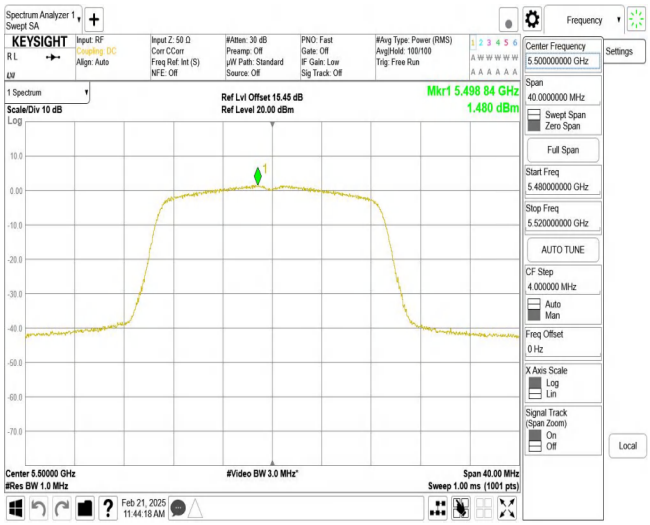

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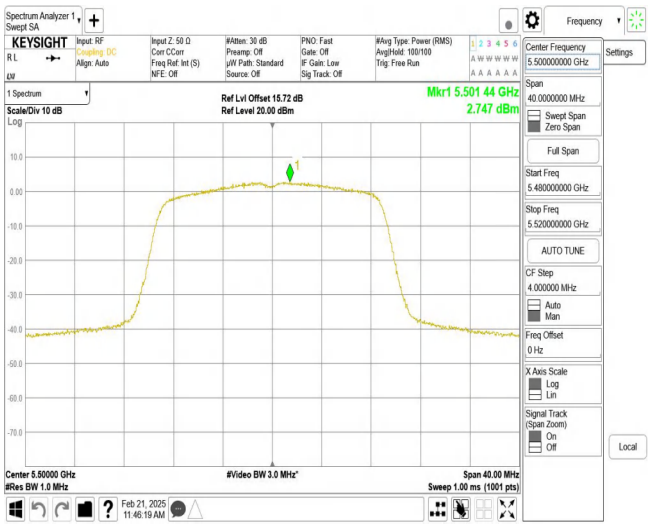

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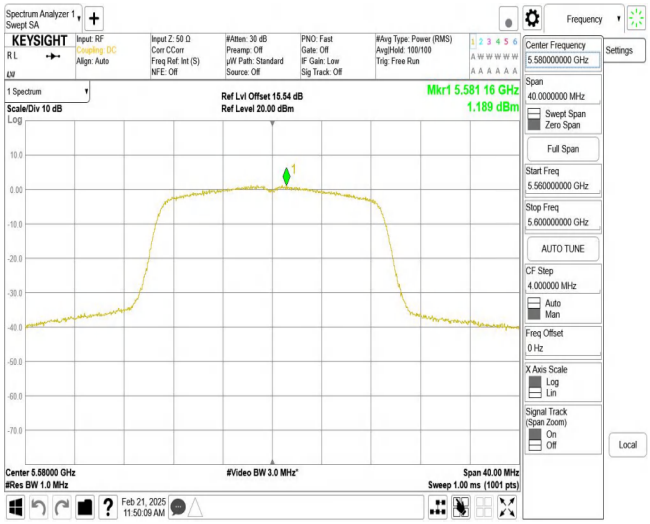

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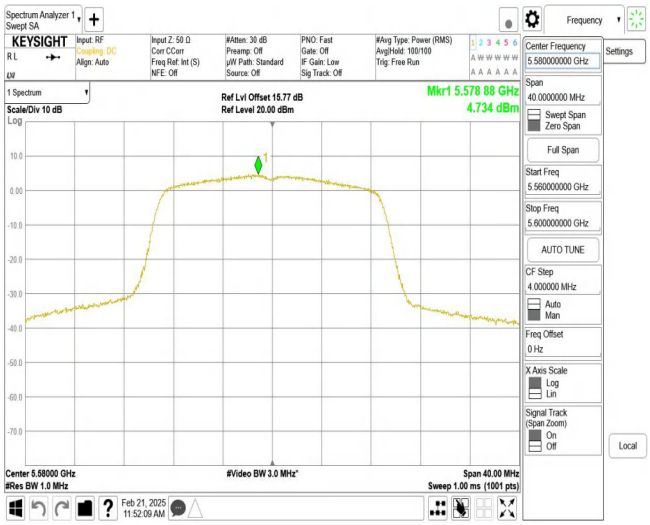

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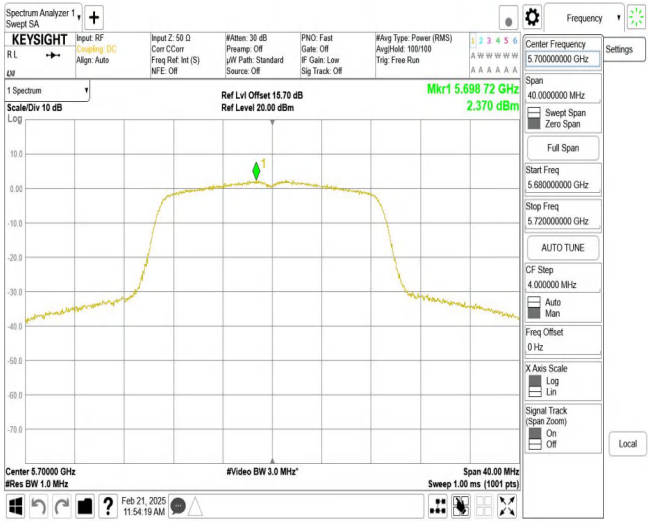

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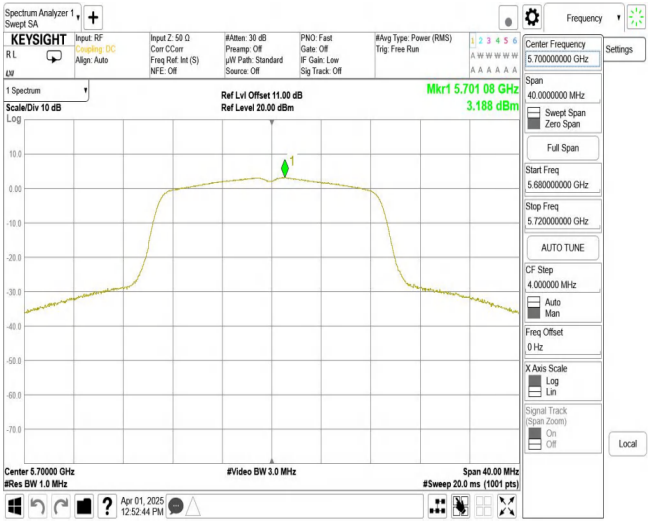

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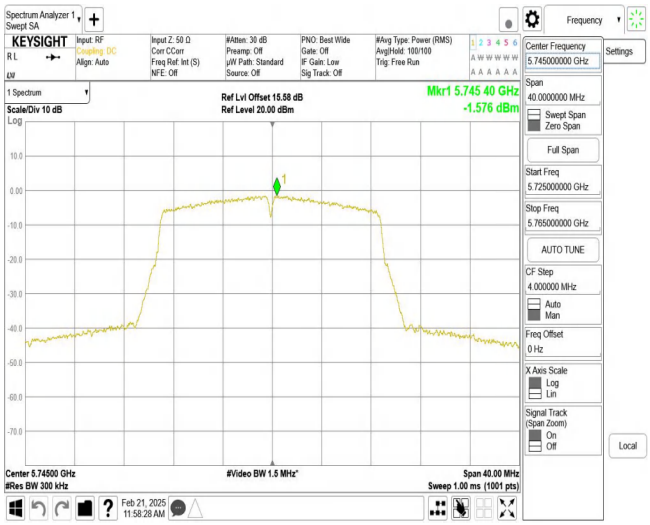

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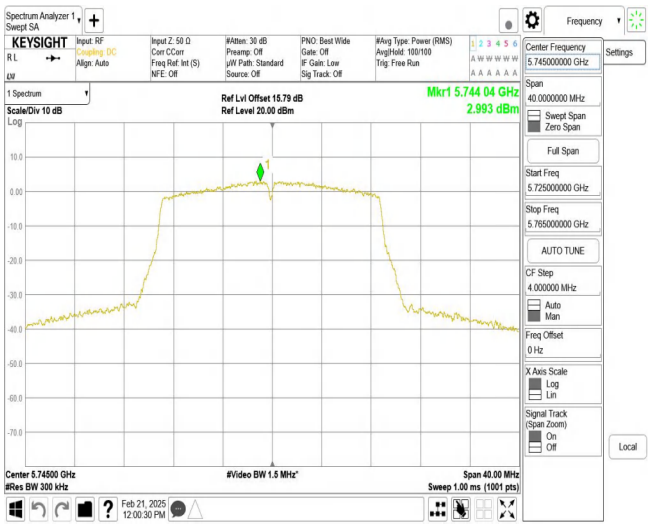

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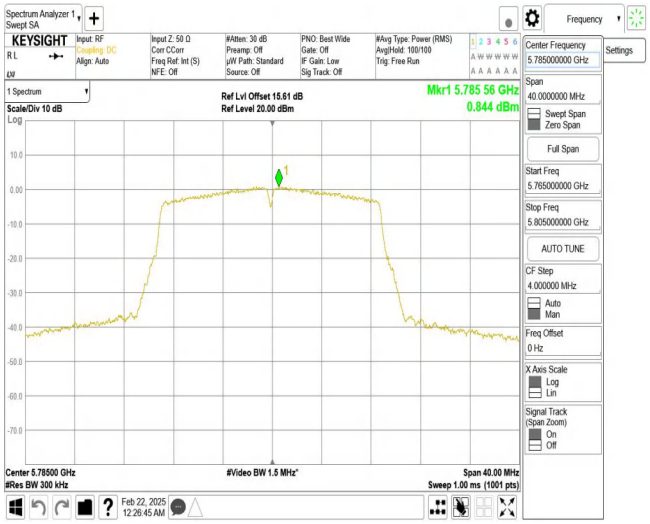

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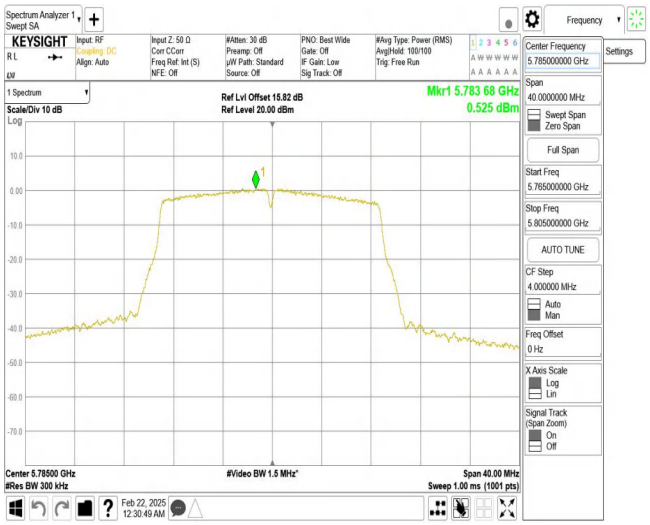

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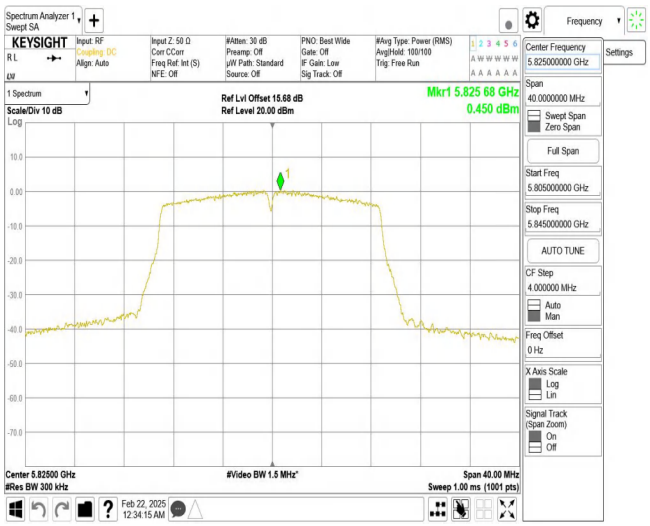

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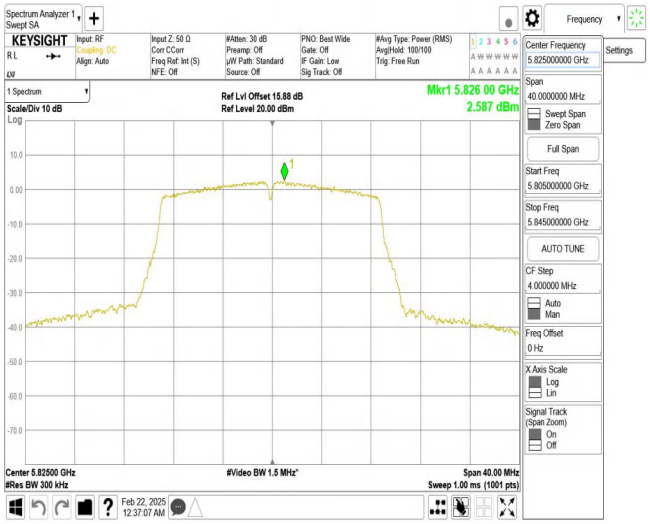

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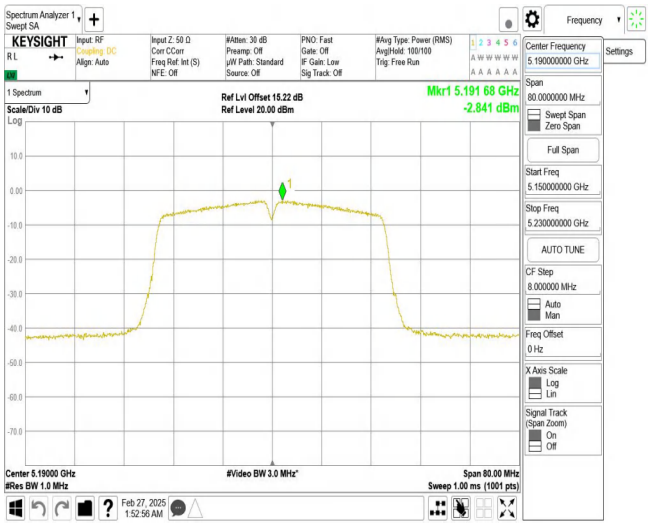

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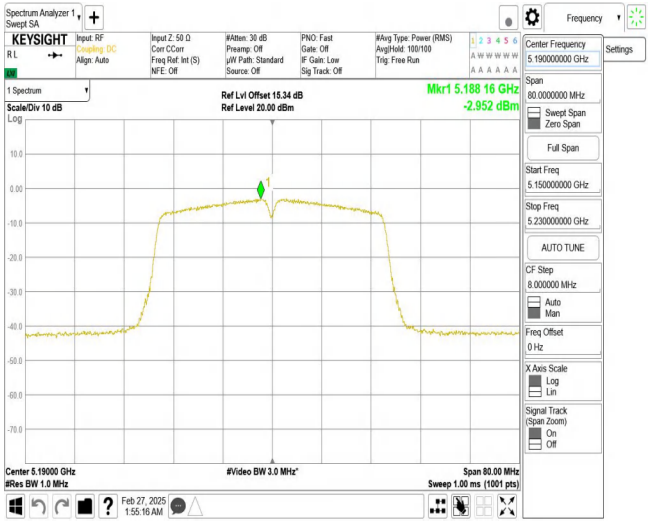

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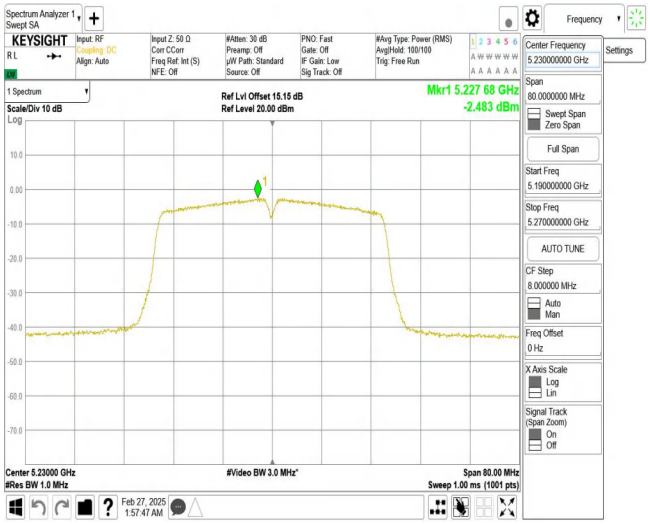

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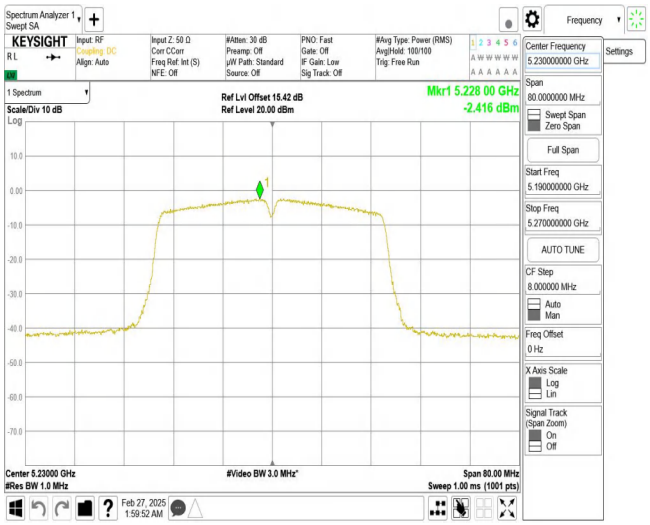

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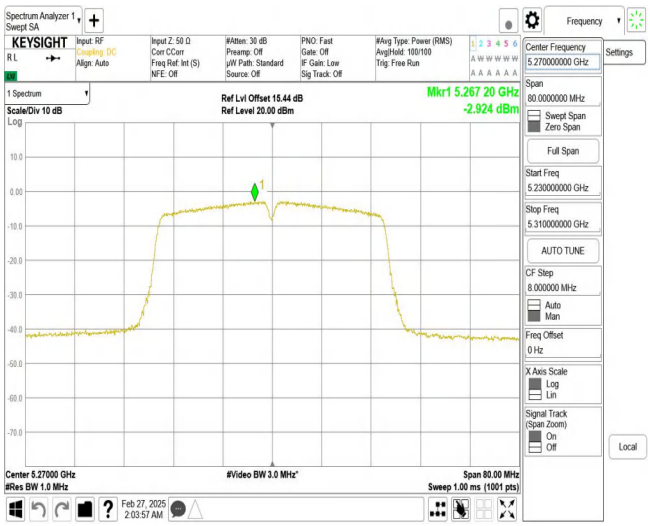

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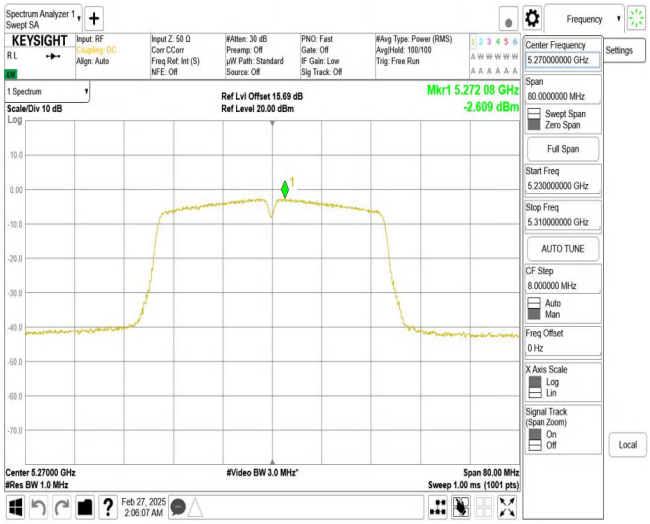

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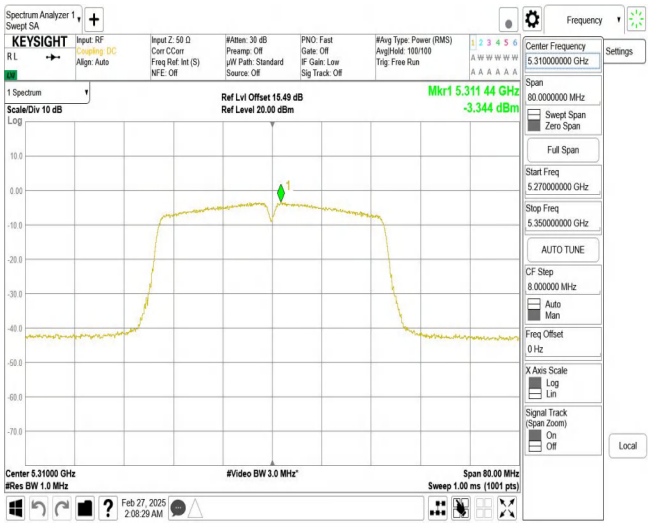

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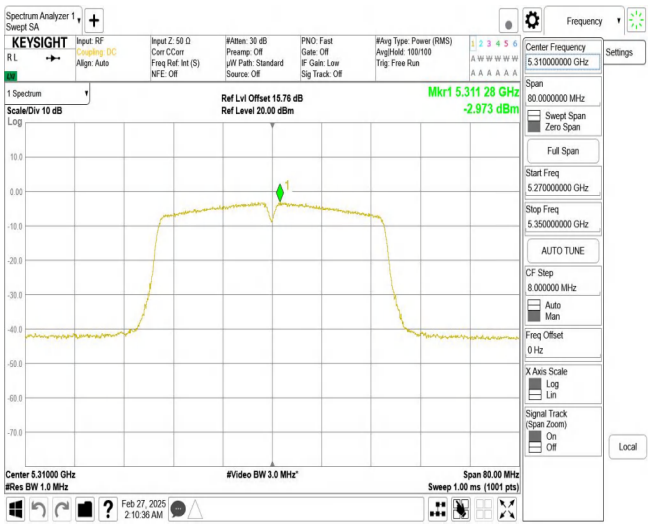

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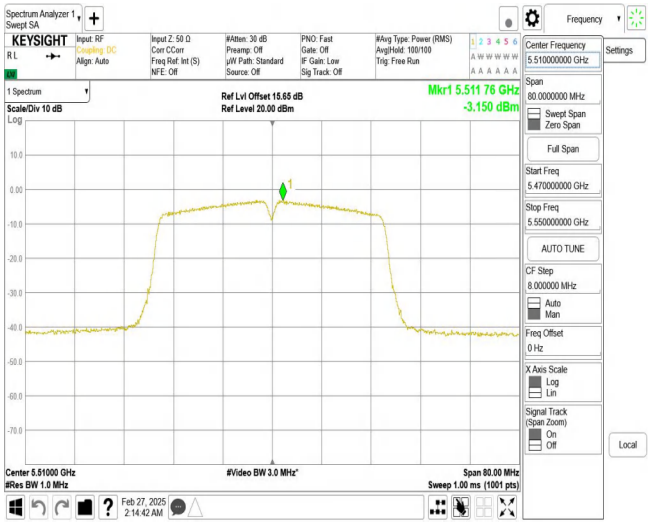

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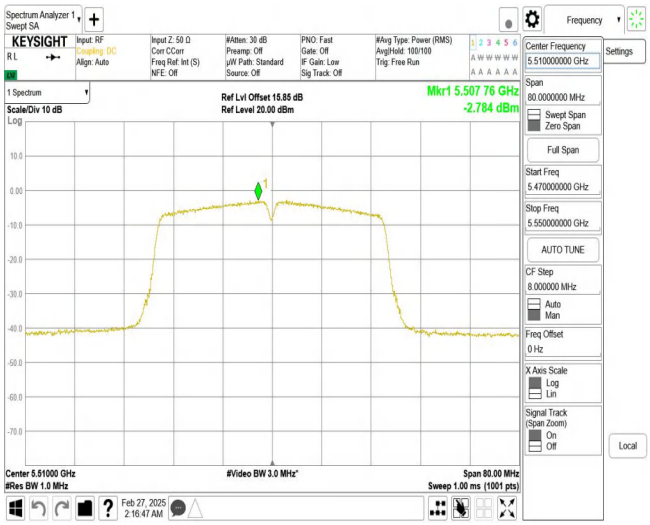

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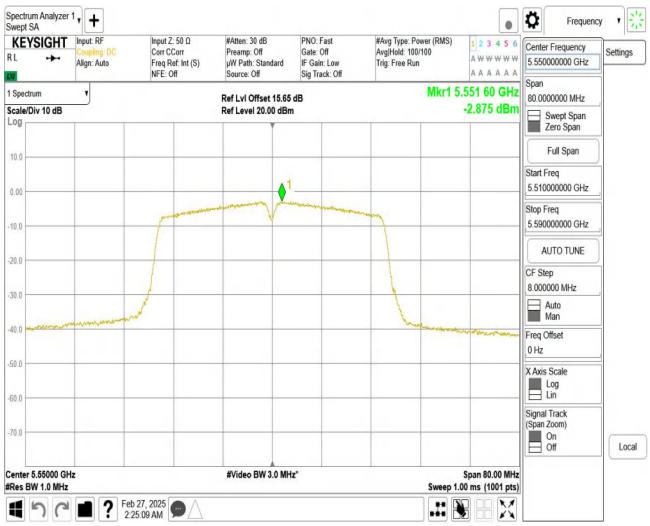

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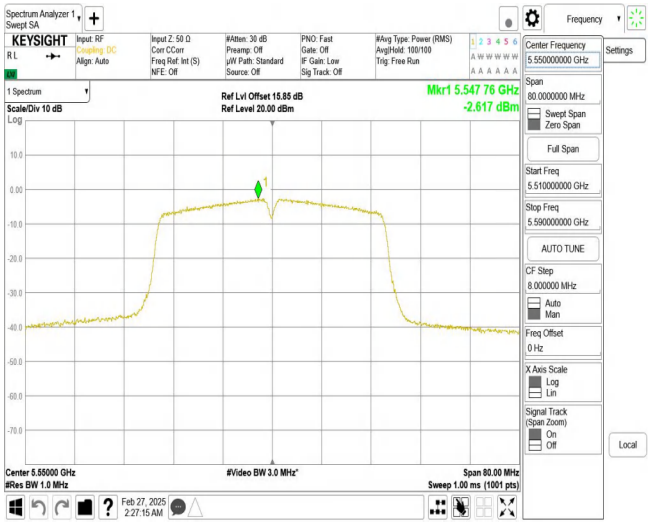

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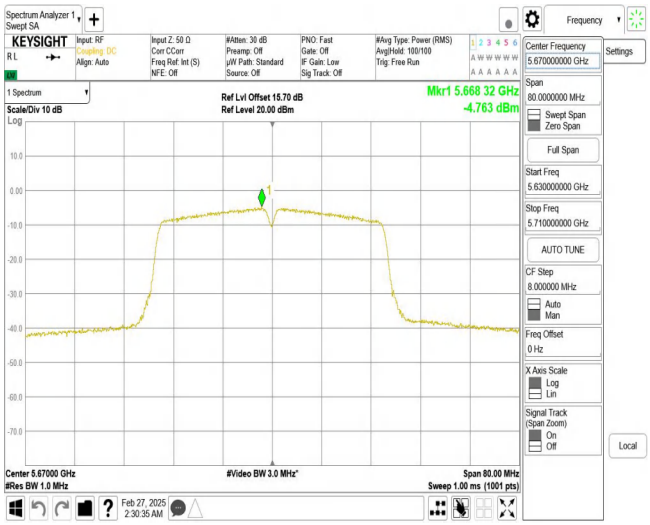

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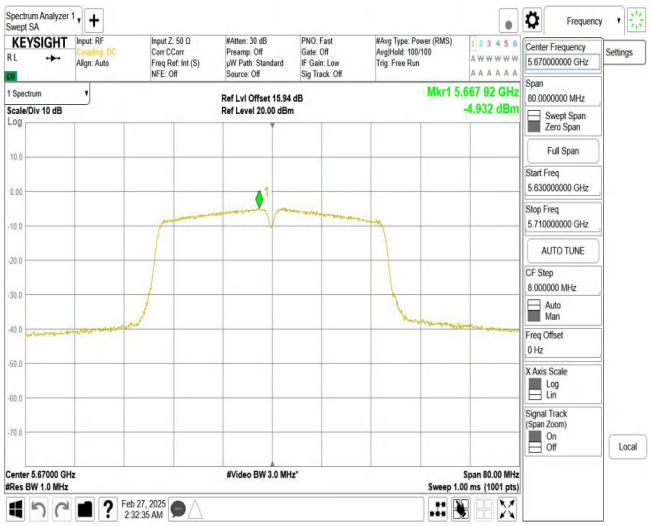

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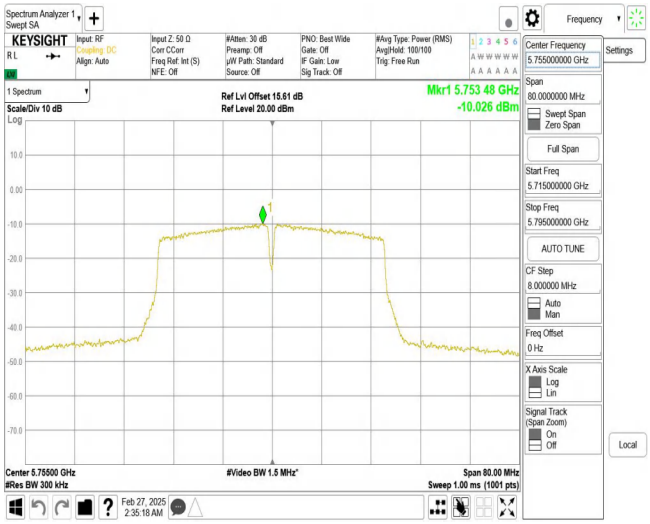

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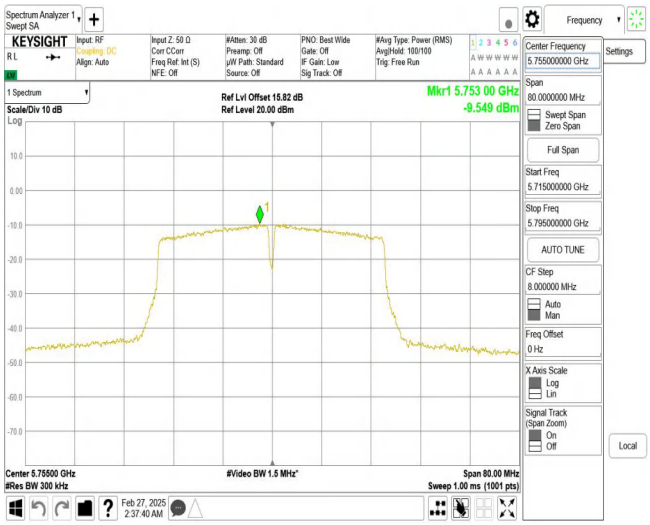

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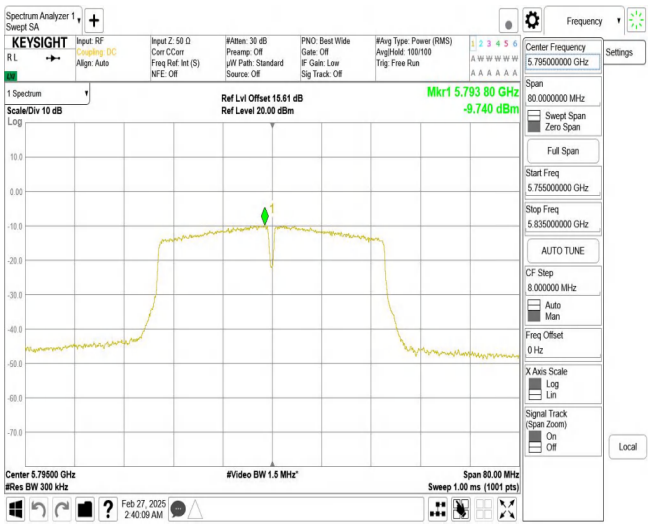

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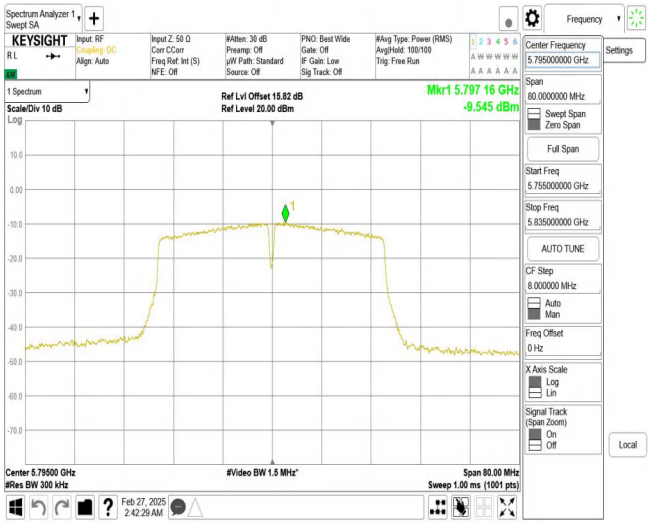

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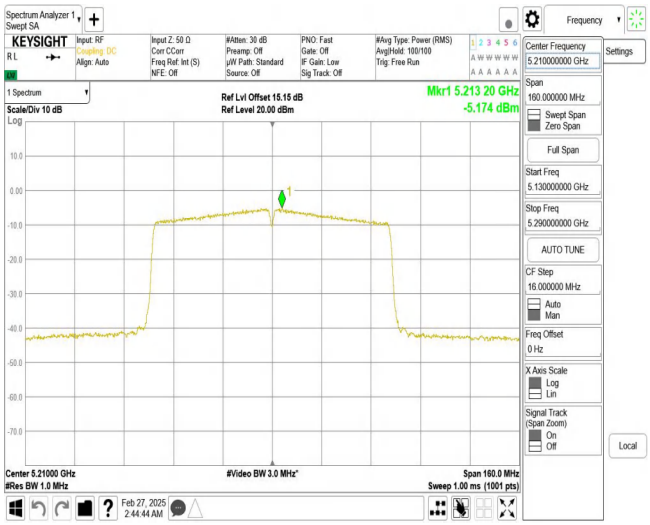

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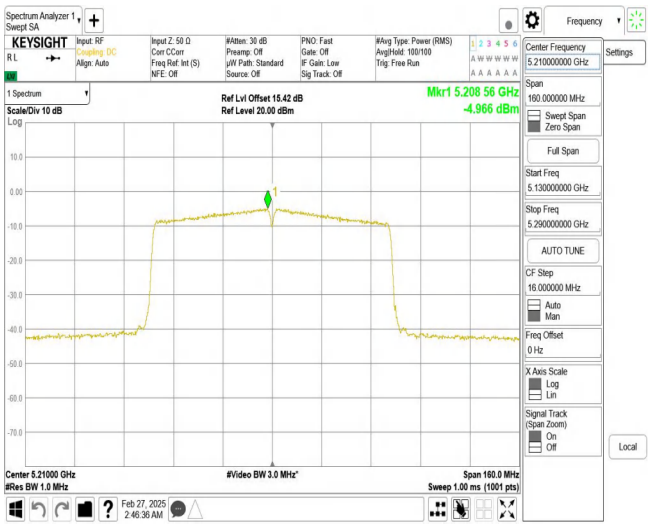
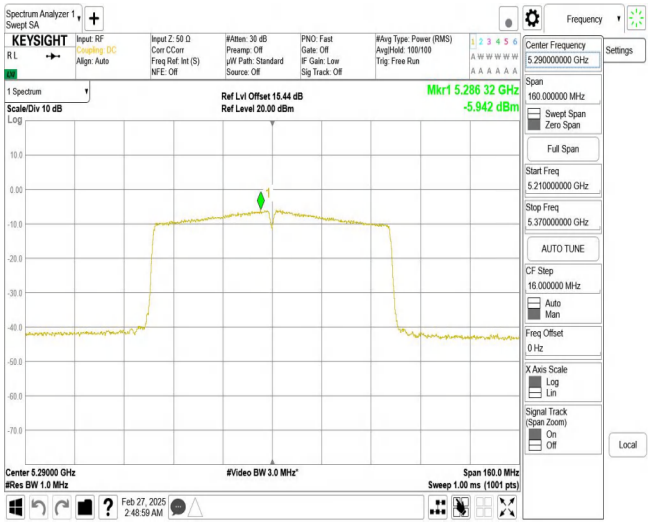
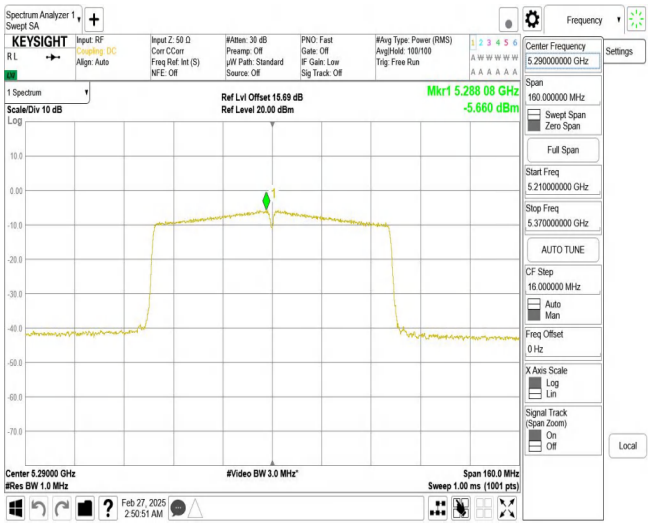


11AC80MIMO_Ant2_5210



11AC80MIMO_Ant1_5290



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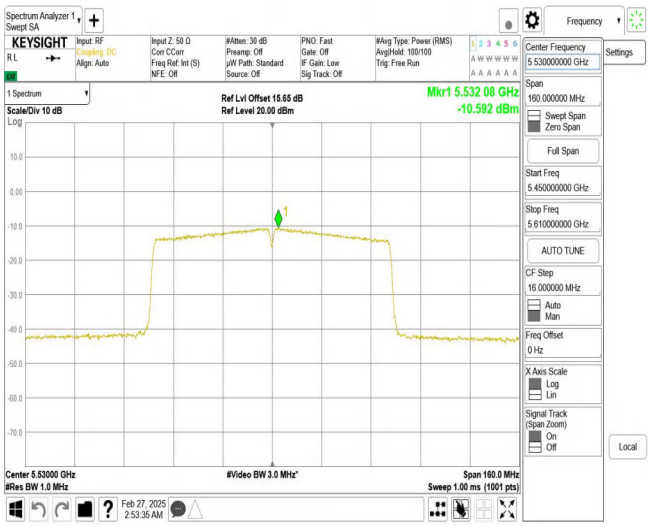
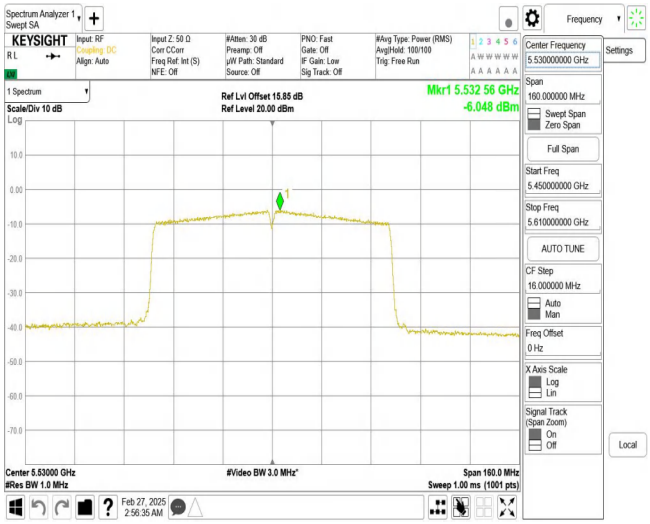
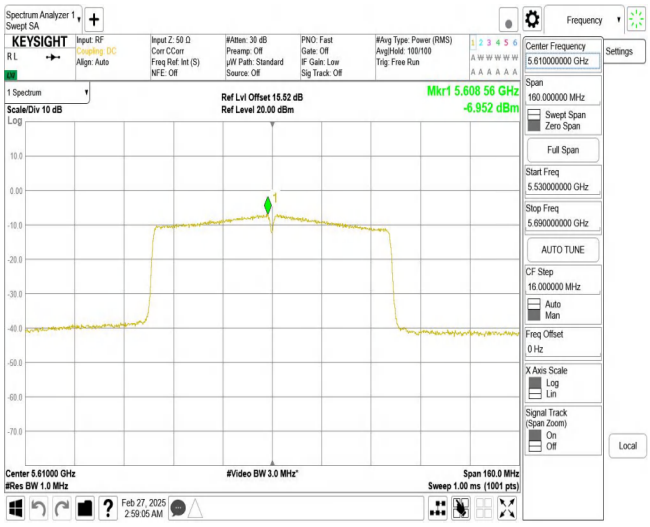


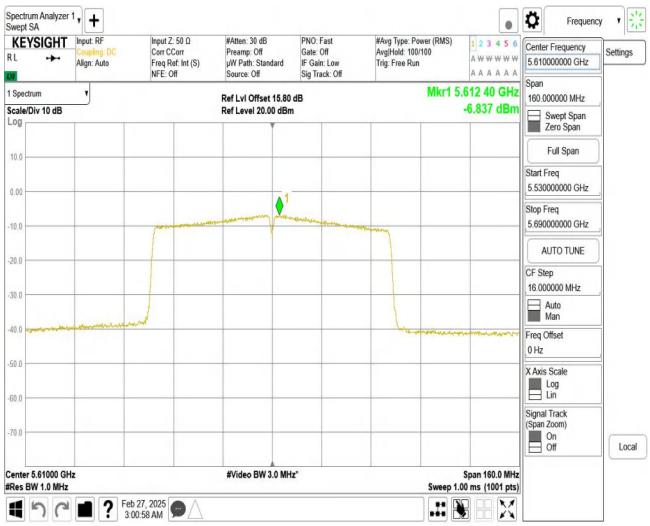
11AC80MIMO_Ant1_5530



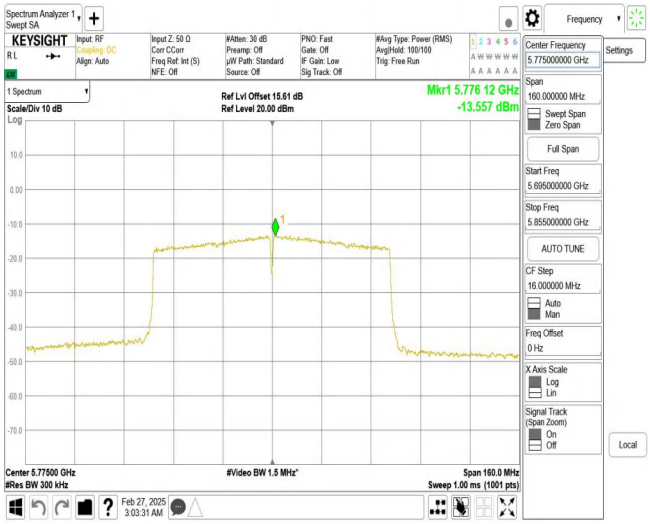
11AC80MIMO_Ant2_5530



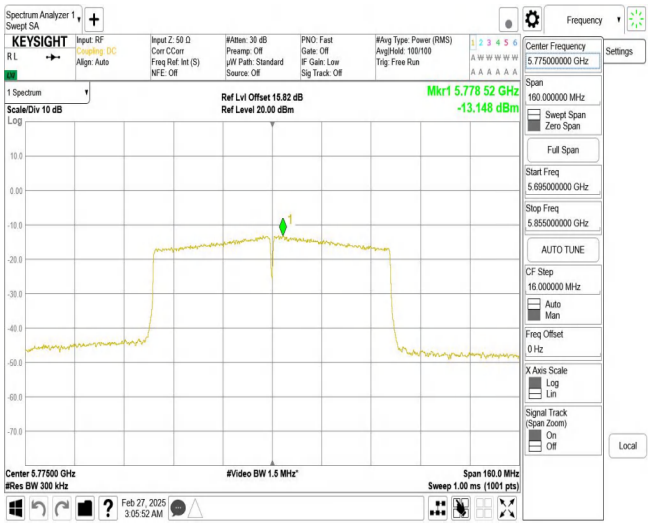
11AC80MIMO_Ant1_5610



11AC80MIMO_Ant2_5610



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775

Appendix E: Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Freq(MHz)	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	11000.00	2.123552	within the operation band	PASS
			LV	NT	-11000.00	-2.123552	within the operation band	PASS
			HV	NT	11000.00	2.123552	within the operation band	PASS
	Ant2	5180	NV	NT	-22000.00	-3.859649	within the operation band	PASS
			LV	NT	0.00	0.000000	within the operation band	PASS
			HV	NT	-11000.00	-2.123552	within the operation band	PASS
	Ant1	5200	NV	NT	-11000.00	-2.115385	within the operation band	PASS
			LV	NT	0.00	0.000000	within the operation band	PASS
			HV	NT	-22000.00	-4.230769	within the operation band	PASS
	Ant2	5200	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	11000.00	2.115385	within the operation band	PASS
			HV	NT	-11000.00	-2.115385	within the operation band	PASS
	Ant1	5240	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-33000.00	-6.297710	within the operation band	PASS
			HV	NT	-11000.00	-2.099237	within the operation band	PASS
	Ant2	5240	NV	NT	-33000.00	-6.297710	within the operation band	PASS
			LV	NT	-22000.00	-3.859649	within the operation band	PASS
			HV	NT	-11000.00	-2.099237	within the operation band	PASS
	Ant1	5260	NV	NT	22000.00	4.182510	within the operation band	PASS
			LV	NT	0.00	0.000000	within the operation band	PASS
			HV	NT	22000.00	4.182510	within the operation band	PASS
	Ant2	5260	NV	NT	-11000.00	-2.091255	within the operation band	PASS
			LV	NT	11000.00	2.091255	within the operation band	PASS
			HV	NT	-11000.00	-2.091255	within the operation band	PASS
	Ant1	5280	NV	NT	11000.00	2.083333	within the operation band	PASS
			LV	NT	-11000.00	-2.083333	within the operation band	PASS
			HV	NT	-11000.00	-2.083333	within the operation band	PASS
	Ant2	5280	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-22000.00	-3.859649	within the operation band	PASS
			HV	NT	-22000.00	-4.166667	within the operation band	PASS
	Ant1	5320	NV	NT	-22000.00	-4.135338	within the operation band	PASS
			LV	NT	0.00	0.000000	within the operation band	PASS
			HV	NT	0.00	0.000000	within the operation band	PASS

	Ant2	5320	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	11000.00	2.067669	within the operation band	PASS
			HV	NT	-22000.00	-3.859649	within the operation band	PASS
	Ant1	5500	NV	NT	-11000.00	-2.000000	within the operation band	PASS
			LV	NT	-11000.00	-2.000000	within the operation band	PASS
			HV	NT	-22000.00	-3.859649	within the operation band	PASS
	Ant2	5500	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-11000.00	-2.000000	within the operation band	PASS
			HV	NT	11000.00	2.000000	within the operation band	PASS
	Ant1	5580	NV	NT	-11000.00	-2.123552	within the operation band	PASS
			LV	NT	-11000.00	-2.123552	within the operation band	PASS
			HV	NT	0.00	0.000000	within the operation band	PASS
	Ant2	5580	NV	NT	-22000.00	-3.942652	within the operation band	PASS
			LV	NT	-11000.00	-1.971326	within the operation band	PASS
			HV	NT	-11000.00	-1.971326	within the operation band	PASS
	Ant1	5700	NV	NT	11000.00	1.929825	within the operation band	PASS
			LV	NT	0.00	0.000000	within the operation band	PASS
			HV	NT	-22000.00	-3.859649	within the operation band	PASS
	Ant2	5700	NV	NT	-22000.00	-3.859649	within the operation band	PASS
			LV	NT	11000.00	1.929825	within the operation band	PASS
			HV	NT	11000.00	1.929825	within the operation band	PASS
	Ant1	5745	NV	NT	-11000.00	-2.123552	within the operation band	PASS
			LV	NT	0.00	0.000000	within the operation band	PASS
			HV	NT	-11000.00	-1.914708	within the operation band	PASS
	Ant2	5745	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-11000.00	-1.914708	within the operation band	PASS
			HV	NT	11000.00	1.914708	within the operation band	PASS
	Ant1	5785	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-33000.00	-5.704408	within the operation band	PASS
			HV	NT	-11000.00	-1.901469	within the operation band	PASS
	Ant2	5785	NV	NT	-11000.00	-1.901469	within the operation band	PASS
			LV	NT	-11000.00	-2.123552	within the operation band	PASS
			HV	NT	-22000.00	-3.802939	within the operation band	PASS
	Ant1	5825	NV	NT	-22000.00	-3.776824	within the operation band	PASS
			LV	NT	-22000.00	-3.776824	within the operation band	PASS
			HV	NT	22000.00	3.776824	within the operation band	PASS
	Ant2	5825	NV	NT	-11000.00	-1.888412	within the operation band	PASS
			LV	NT	-11000.00	-2.123552	within the operation band	PASS
			HV	NT	-11000.00	-1.888412	within the operation band	PASS

11N20MIMO	Ant1	5180	NV	NT	-11000.00	-2.123552	within the operation band	PASS
			LV	NT	-11000.00	-2.123552	within the operation band	PASS
			HV	NT	-22000.00	-4.247104	within the operation band	PASS
	Ant2	5180	NV	NT	-11000.00	-2.123552	within the operation band	PASS
			LV	NT	22000.00	4.247104	within the operation band	PASS
			HV	NT	22000.00	4.247104	within the operation band	PASS
	Ant1	5200	NV	NT	-33000.00	-6.346154	within the operation band	PASS
			LV	NT	0.00	0.000000	within the operation band	PASS
			HV	NT	-11000.00	-2.115385	within the operation band	PASS
	Ant2	5200	NV	NT	22000.00	4.000000	within the operation band	PASS
			LV	NT	22000.00	4.230769	within the operation band	PASS
			HV	NT	0.00	0.000000	within the operation band	PASS
	Ant1	5240	NV	NT	22000.00	4.000000	within the operation band	PASS
			LV	NT	-22000.00	-4.000000	within the operation band	PASS
			HV	NT	22000.00	4.000000	within the operation band	PASS
	Ant2	5240	NV	NT	-22000.00	-4.000000	within the operation band	PASS
			LV	NT	-22000.00	-4.198473	within the operation band	PASS
			HV	NT	-22000.00	-4.198473	within the operation band	PASS
	Ant1	5260	NV	NT	-11000.00	-2.091255	within the operation band	PASS
			LV	NT	22000.00	4.000000	within the operation band	PASS
			HV	NT	-22000.00	-4.000000	within the operation band	PASS
	Ant2	5260	NV	NT	33000.00	6.273764	within the operation band	PASS
			LV	NT	-11000.00	-2.091255	within the operation band	PASS
			HV	NT	22000.00	4.182510	within the operation band	PASS
	Ant1	5280	NV	NT	-11000.00	-2.083333	within the operation band	PASS
			LV	NT	-11000.00	-2.083333	within the operation band	PASS
			HV	NT	-22000.00	-4.166667	within the operation band	PASS
	Ant2	5280	NV	NT	-11000.00	-2.083333	within the operation band	PASS
			LV	NT	-11000.00	-2.083333	within the operation band	PASS
			HV	NT	11000.00	2.083333	within the operation band	PASS
	Ant1	5320	NV	NT	-11000.00	-2.067669	within the operation band	PASS
			LV	NT	-11000.00	-2.067669	within the operation band	PASS
			HV	NT	-11000.00	-1.971326	within the operation band	PASS
	Ant2	5320	NV	NT	-22000.00	-4.135338	within the operation band	PASS
			LV	NT	-11000.00	-2.067669	within the operation band	PASS
			HV	NT	-33000.00	-6.203008	within the operation band	PASS
	Ant1	5500	NV	NT	22000.00	4.000000	within the operation band	PASS
			LV	NT	-22000.00	-4.000000	within the operation band	PASS
			HV	NT	-33000.00	-6.000000	within the operation band	PASS

	Ant2	5500	NV	NT	11000.00	2.000000	within the operation band	PASS
			LV	NT	-11000.00	-2.000000	within the operation band	PASS
			HV	NT	-11000.00	-1.971326	within the operation band	PASS
	Ant1	5580	NV	NT	-11000.00	-1.971326	within the operation band	PASS
			LV	NT	0.00	0.000000	within the operation band	PASS
			HV	NT	-11000.00	-1.971326	within the operation band	PASS
	Ant2	5580	NV	NT	-11000.00	-1.971326	within the operation band	PASS
			LV	NT	-11000.00	-1.971326	within the operation band	PASS
			HV	NT	-11000.00	-1.971326	within the operation band	PASS
	Ant1	5700	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-11000.00	-1.929825	within the operation band	PASS
			HV	NT	-22000.00	-3.859649	within the operation band	PASS
	Ant2	5700	NV	NT	-11000.00	-1.929825	within the operation band	PASS
			LV	NT	-22000.00	-3.859649	within the operation band	PASS
			HV	NT	-22000.00	-3.859649	within the operation band	PASS
	Ant1	5745	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	11000.00	1.914708	within the operation band	PASS
			HV	NT	0.00	0.000000	within the operation band	PASS
	Ant2	5745	NV	NT	-11000.00	-1.914708	within the operation band	PASS
			LV	NT	11000.00	1.914708	within the operation band	PASS
			HV	NT	11000.00	1.914708	within the operation band	PASS
	Ant1	5785	NV	NT	-22000.00	-3.802939	within the operation band	PASS
			LV	NT	-11000.00	-1.901469	within the operation band	PASS
			HV	NT	22000.00	3.802939	within the operation band	PASS
	Ant2	5785	NV	NT	-11000.00	-1.901469	within the operation band	PASS
			LV	NT	-11000.00	-1.901469	within the operation band	PASS
			HV	NT	0.00	0.000000	within the operation band	PASS
	Ant1	5825	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	0.00	0.000000	within the operation band	PASS
			HV	NT	-11000.00	-1.888412	within the operation band	PASS
	Ant2	5825	NV	NT	11000.00	1.888412	within the operation band	PASS
			LV	NT	11000.00	1.888412	within the operation band	PASS
			HV	NT	-11000.00	-1.888412	within the operation band	PASS
11N40MIMO	Ant1	5190	NV	NT	-11000.00	-2.123552	within the operation band	PASS
			LV	NT	-11000.00	-2.123552	within the operation band	PASS
			HV	NT	-22000.00	-4.247104	within the operation band	PASS
	Ant2	5190	NV	NT	-11000.00	-2.123552	within the operation band	PASS
			LV	NT	22000.00	4.247104	within the operation band	PASS
			HV	NT	22000.00	4.247104	within the operation band	PASS

	Ant1	5230	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	0.00	0.000000	within the operation band	PASS
			HV	NT	-11000.00	-2.115385	within the operation band	PASS
	Ant2	5230	NV	NT	-33000.00	-6.346154	within the operation band	PASS
			LV	NT	22000.00	4.230769	within the operation band	PASS
			HV	NT	22000.00	4.182510	within the operation band	PASS
	Ant1	5270	NV	NT	22000.00	4.182510	within the operation band	PASS
			LV	NT	-33000.00	-6.297710	within the operation band	PASS
			HV	NT	-33000.00	-6.297710	within the operation band	PASS
	Ant2	5270	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-22000.00	-4.198473	within the operation band	PASS
			HV	NT	-22000.00	-4.198473	within the operation band	PASS
	Ant1	5310	NV	NT	-11000.00	-2.091255	within the operation band	PASS
			LV	NT	22000.00	4.182510	within the operation band	PASS
			HV	NT	22000.00	4.182510	within the operation band	PASS
	Ant2	5310	NV	NT	33000.00	6.273764	within the operation band	PASS
			LV	NT	-11000.00	-2.091255	within the operation band	PASS
			HV	NT	22000.00	4.182510	within the operation band	PASS
	Ant1	5510	NV	NT	-11000.00	-2.083333	within the operation band	PASS
			LV	NT	-11000.00	-2.083333	within the operation band	PASS
			HV	NT	-22000.00	-4.166667	within the operation band	PASS
	Ant2	5510	NV	NT	-11000.00	-2.083333	within the operation band	PASS
			LV	NT	-11000.00	-2.083333	within the operation band	PASS
			HV	NT	-11000.00	-1.971326	within the operation band	PASS
	Ant1	5550	NV	NT	-11000.00	-2.067669	within the operation band	PASS
			LV	NT	-11000.00	-2.067669	within the operation band	PASS
			HV	NT	22000.00	4.135338	within the operation band	PASS
	Ant2	5550	NV	NT	-22000.00	-4.135338	within the operation band	PASS
			LV	NT	-11000.00	-2.067669	within the operation band	PASS
			HV	NT	-33000.00	-6.203008	within the operation band	PASS
	Ant1	5670	NV	NT	-11000.00	-1.971326	within the operation band	PASS
			LV	NT	-22000.00	-4.000000	within the operation band	PASS
			HV	NT	-33000.00	-6.000000	within the operation band	PASS
	Ant2	5670	NV	NT	11000.00	2.000000	within the operation band	PASS
			LV	NT	-11000.00	-2.000000	within the operation band	PASS
			HV	NT	0.00	0.000000	within the operation band	PASS
	Ant1	5755	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	0.00	0.000000	within the operation band	PASS
			HV	NT	-11000.00	-1.971326	within the operation band	PASS

	Ant2	5755	NV	NT	33000.00	5.913978	within the operation band	PASS
			LV	NT	-11000.00	-1.971326	within the operation band	PASS
			HV	NT	-11000.00	-1.971326	within the operation band	PASS
	Ant1	5795	NV	NT	-22000.00	-4.247104	within the operation band	PASS
			LV	NT	-11000.00	-2.123552	within the operation band	PASS
			HV	NT	-22000.00	-3.859649	within the operation band	PASS
	Ant2	5795	NV	NT	-22000.00	-4.247104	within the operation band	PASS
			LV	NT	-11000.00	-2.123552	within the operation band	PASS
			HV	NT	-22000.00	-3.859649	within the operation band	PASS
11AC20M IMO	Ant1	5180	NV	NT	-11000.00	-2.123552	within the operation band	PASS
			LV	NT	-11000.00	-2.123552	within the operation band	PASS
			HV	NT	-22000.00	-4.247104	within the operation band	PASS
	Ant2	5180	NV	NT	-11000.00	-2.123552	within the operation band	PASS
			LV	NT	22000.00	4.247104	within the operation band	PASS
			HV	NT	22000.00	4.247104	within the operation band	PASS
	Ant1	5200	NV	NT	-33000.00	-6.346154	within the operation band	PASS
			LV	NT	-11000.00	-2.083333	within the operation band	PASS
			HV	NT	-11000.00	-2.083333	within the operation band	PASS
	Ant2	5200	NV	NT	-33000.00	-6.346154	within the operation band	PASS
			LV	NT	22000.00	4.230769	within the operation band	PASS
			HV	NT	-11000.00	-2.083333	within the operation band	PASS
	Ant1	5240	NV	NT	-11000.00	-2.083333	within the operation band	PASS
			LV	NT	-33000.00	-6.297710	within the operation band	PASS
			HV	NT	-33000.00	-6.297710	within the operation band	PASS
	Ant2	5240	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-22000.00	-4.198473	within the operation band	PASS
			HV	NT	-22000.00	-4.198473	within the operation band	PASS
	Ant1	5260	NV	NT	-11000.00	-2.091255	within the operation band	PASS
			LV	NT	-11000.00	-2.083333	within the operation band	PASS
			HV	NT	-11000.00	-2.083333	within the operation band	PASS
	Ant2	5260	NV	NT	33000.00	6.273764	within the operation band	PASS
			LV	NT	-11000.00	-2.091255	within the operation band	PASS
			HV	NT	22000.00	4.182510	within the operation band	PASS
	Ant1	5280	NV	NT	-11000.00	-2.083333	within the operation band	PASS
			LV	NT	-11000.00	-2.083333	within the operation band	PASS
			HV	NT	-22000.00	-4.166667	within the operation band	PASS
	Ant2	5280	NV	NT	-11000.00	-2.083333	within the operation band	PASS
			LV	NT	-11000.00	-2.083333	within the operation band	PASS
			HV	NT	11000.00	2.083333	within the operation band	PASS

	Ant1	5320	NV	NT	-11000.00	-2.067669	within the operation band	PASS
			LV	NT	-11000.00	-2.067669	within the operation band	PASS
			HV	NT	-11000.00	-1.971326	within the operation band	PASS
	Ant2	5320	NV	NT	33000.00	5.913978	within the operation band	PASS
			LV	NT	-11000.00	-2.067669	within the operation band	PASS
			HV	NT	-11000.00	-2.067669	within the operation band	PASS
	Ant1	5500	NV	NT	22000.00	4.000000	within the operation band	PASS
			LV	NT	-22000.00	-4.000000	within the operation band	PASS
			HV	NT	-33000.00	-6.000000	within the operation band	PASS
	Ant2	5500	NV	NT	11000.00	2.000000	within the operation band	PASS
			LV	NT	-11000.00	-1.971326	within the operation band	PASS
			HV	NT	33000.00	5.913978	within the operation band	PASS
	Ant1	5580	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	0.00	0.000000	within the operation band	PASS
			HV	NT	-11000.00	-1.971326	within the operation band	PASS
	Ant2	5580	NV	NT	33000.00	5.913978	within the operation band	PASS
			LV	NT	-11000.00	-1.971326	within the operation band	PASS
			HV	NT	-11000.00	-1.971326	within the operation band	PASS
	Ant1	5700	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-11000.00	-1.929825	within the operation band	PASS
			HV	NT	-22000.00	-3.859649	within the operation band	PASS
	Ant2	5700	NV	NT	-11000.00	-1.901469	within the operation band	PASS
			LV	NT	-11000.00	-1.901469	within the operation band	PASS
			HV	NT	-22000.00	-3.859649	within the operation band	PASS
	Ant1	5745	NV	NT	22000.00	3.829417	within the operation band	PASS
			LV	NT	11000.00	1.914708	within the operation band	PASS
			HV	NT	-11000.00	-1.901469	within the operation band	PASS
	Ant2	5745	NV	NT	-11000.00	-1.901469	within the operation band	PASS
			LV	NT	11000.00	1.914708	within the operation band	PASS
			HV	NT	11000.00	1.914708	within the operation band	PASS
	Ant1	5785	NV	NT	-22000.00	-3.802939	within the operation band	PASS
			LV	NT	-11000.00	-1.901469	within the operation band	PASS
			HV	NT	22000.00	3.802939	within the operation band	PASS
	Ant2	5785	NV	NT	-11000.00	-1.901469	within the operation band	PASS
			LV	NT	-11000.00	-1.901469	within the operation band	PASS
			HV	NT	-33000.00	-5.704408	within the operation band	PASS
	Ant1	5825	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-22000.00	-3.776824	within the operation band	PASS
			HV	NT	-11000.00	-1.888412	within the operation band	PASS

	Ant2	5825	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-22000.00	-4.198473	within the operation band	PASS
			HV	NT	-11000.00	-1.888412	within the operation band	PASS
11AC40M IMO	Ant1	5190	NV	NT	-11000.00	-2.123552	within the operation band	PASS
			LV	NT	-11000.00	-2.123552	within the operation band	PASS
			HV	NT	-22000.00	-4.247104	within the operation band	PASS
	Ant2	5190	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-22000.00	-4.198473	within the operation band	PASS
			HV	NT	22000.00	4.247104	within the operation band	PASS
	Ant1	5230	NV	NT	-33000.00	-6.346154	within the operation band	PASS
			LV	NT	0.00	0.000000	within the operation band	PASS
			HV	NT	-11000.00	-2.115385	within the operation band	PASS
	Ant2	5230	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-22000.00	-4.198473	within the operation band	PASS
			HV	NT	0.00	0.000000	within the operation band	PASS
	Ant1	5270	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-33000.00	-6.297710	within the operation band	PASS
			HV	NT	-33000.00	-6.297710	within the operation band	PASS
	Ant2	5270	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-22000.00	-4.198473	within the operation band	PASS
			HV	NT	-22000.00	-4.198473	within the operation band	PASS
	Ant1	5310	NV	NT	-11000.00	-2.091255	within the operation band	PASS
			LV	NT	-44000.00	-8.365019	within the operation band	PASS
			HV	NT	-22000.00	-4.182510	within the operation band	PASS
	Ant2	5310	NV	NT	33000.00	6.273764	within the operation band	PASS
			LV	NT	-11000.00	-2.091255	within the operation band	PASS
			HV	NT	33000.00	5.913978	within the operation band	PASS
	Ant1	5510	NV	NT	-11000.00	-1.971326	within the operation band	PASS
			LV	NT	-11000.00	-2.083333	within the operation band	PASS
			HV	NT	33000.00	5.913978	within the operation band	PASS
	Ant2	5510	NV	NT	-11000.00	-1.971326	within the operation band	PASS
			LV	NT	-11000.00	-2.083333	within the operation band	PASS
			HV	NT	11000.00	2.083333	within the operation band	PASS
	Ant1	5550	NV	NT	-11000.00	-2.067669	within the operation band	PASS
			LV	NT	-11000.00	-2.067669	within the operation band	PASS
			HV	NT	22000.00	4.135338	within the operation band	PASS
	Ant2	5550	NV	NT	-22000.00	-4.135338	within the operation band	PASS
			LV	NT	-11000.00	-2.067669	within the operation band	PASS
			HV	NT	33000.00	5.913978	within the operation band	PASS

	Ant1	5670	NV	NT	-11000.00	-1.971326	within the operation band	PASS
			LV	NT	-22000.00	-4.000000	within the operation band	PASS
			HV	NT	-33000.00	-6.000000	within the operation band	PASS
	Ant2	5670	NV	NT	11000.00	2.000000	within the operation band	PASS
			LV	NT	-11000.00	-2.000000	within the operation band	PASS
			HV	NT	0.00	0.000000	within the operation band	PASS
	Ant1	5755	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	0.00	0.000000	within the operation band	PASS
			HV	NT	-11000.00	-1.971326	within the operation band	PASS
	Ant2	5755	NV	NT	33000.00	5.913978	within the operation band	PASS
			LV	NT	-11000.00	-1.971326	within the operation band	PASS
			HV	NT	-11000.00	-1.971326	within the operation band	PASS
	Ant1	5795	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-11000.00	-1.929825	within the operation band	PASS
			HV	NT	-22000.00	-3.859649	within the operation band	PASS
	Ant2	5795	NV	NT	-11000.00	-1.929825	within the operation band	PASS
			LV	NT	-22000.00	-3.859649	within the operation band	PASS
			HV	NT	-22000.00	-3.859649	within the operation band	PASS
11AC80M IMO	Ant1	5210	NV	NT	-11000.00	-2.123552	within the operation band	PASS
			LV	NT	-33000.00	-6.346154	within the operation band	PASS
			HV	NT	0.00	0.000000	within the operation band	PASS
	Ant2	5210	NV	NT	-11000.00	-2.123552	within the operation band	PASS
			LV	NT	22000.00	4.247104	within the operation band	PASS
			HV	NT	22000.00	4.247104	within the operation band	PASS
	Ant1	5290	NV	NT	-33000.00	-6.346154	within the operation band	PASS
			LV	NT	0.00	0.000000	within the operation band	PASS
			HV	NT	-11000.00	-2.115385	within the operation band	PASS
	Ant2	5290	NV	NT	-33000.00	-6.346154	within the operation band	PASS
			LV	NT	22000.00	4.230769	within the operation band	PASS
			HV	NT	0.00	0.000000	within the operation band	PASS
	Ant1	5530	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-33000.00	-6.297710	within the operation band	PASS
			HV	NT	-33000.00	-6.297710	within the operation band	PASS
	Ant2	5530	NV	NT	0.00	0.000000	within the operation band	PASS
			LV	NT	-22000.00	-4.198473	within the operation band	PASS
			HV	NT	-22000.00	-4.198473	within the operation band	PASS
	Ant1	5610	NV	NT	-11000.00	-2.091255	within the operation band	PASS
			LV	NT	-11000.00	-2.091255	within the operation band	PASS
			HV	NT	-11000.00	-2.091255	within the operation band	PASS

	Ant2	5610	NV	NT	33000.00	6.273764	within the operation band	PASS
			LV	NT	-11000.00	-2.091255	within the operation band	PASS
			HV	NT	22000.00	4.182510	within the operation band	PASS
	Ant1	5775	NV	NT	-11000.00	-2.091255	within the operation band	PASS
			LV	NT	45000.00	7.792208	within the operation band	PASS
			HV	NT	45000.00	7.792208	within the operation band	PASS
	Ant2	5775	NV	NT	45000.00	7.792208	within the operation band	PASS
			LV	NT	45000.00	7.792208	within the operation band	PASS
			HV	NT	45000.00	7.792208	within the operation band	PASS

Temperature								
TestMode	Antenna	Freq(MHz)	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-11000.00	-2.123552	within the operation band	PASS
			NV	-20	-11000.00	-2.123552	within the operation band	PASS
			NV	-10	-11000.00	-2.123552	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	-22000.00	-4.247104	within the operation band	PASS
			NV	20	11000.00	2.123552	within the operation band	PASS
			NV	30	11000.00	2.123552	within the operation band	PASS
			NV	40	11000.00	2.123552	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant2	5180	NV	-30	-22000.00	-4.247104	within the operation band	PASS
			NV	-20	11000.00	2.123552	within the operation band	PASS
			NV	-10	-11000.00	-2.123552	within the operation band	PASS
			NV	0	22000.00	4.247104	within the operation band	PASS
			NV	10	11000.00	2.123552	within the operation band	PASS
			NV	20	-11000.00	-2.123552	within the operation band	PASS
			NV	30	11000.00	2.123552	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	-22000.00	-4.247104	within the operation band	PASS
	Ant1	5200	NV	-30	-11000.00	-2.115385	within the operation band	PASS
			NV	-20	11000.00	2.115385	within the operation band	PASS
			NV	-10	11000.00	2.115385	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	-22000.00	-3.859649	within the operation band	PASS
			NV	20	-11000.00	-1.929825	within the operation band	PASS
			NV	30	-22000.00	-3.859649	within the operation band	PASS
			NV	40	-22000.00	-3.859649	within the operation band	PASS
			NV	50	-22000.00	-4.230769	within the operation band	PASS
	Ant2	5200	NV	-30	-11000.00	-2.115385	within the operation band	PASS
			NV	-20	11000.00	2.115385	within the operation band	PASS

			NV	-10	22000.00	4.230769	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-22000.00	-4.230769	within the operation band	PASS
			NV	30	11000.00	2.115385	within the operation band	PASS
			NV	40	-22000.00	-4.230769	within the operation band	PASS
			NV	50	-11000.00	-2.115385	within the operation band	PASS
	Ant1	5240	NV	-30	-22000.00	-4.198473	within the operation band	PASS
			NV	-20	-22000.00	-3.859649	within the operation band	PASS
			NV	-10	-11000.00	-1.929825	within the operation band	PASS
			NV	0	-22000.00	-3.859649	within the operation band	PASS
			NV	10	-22000.00	-3.859649	within the operation band	PASS
			NV	20	-11000.00	-1.929825	within the operation band	PASS
			NV	30	-11000.00	-2.099237	within the operation band	PASS
			NV	40	-22000.00	-4.198473	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant2	5240	NV	-30	-22000.00	-4.198473	within the operation band	PASS
			NV	-20	-11000.00	-2.099237	within the operation band	PASS
			NV	-10	-22000.00	-4.198473	within the operation band	PASS
			NV	0	-11000.00	-2.099237	within the operation band	PASS
			NV	10	-11000.00	-2.099237	within the operation band	PASS
			NV	20	-11000.00	-2.099237	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	-22000.00	-4.198473	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant1	5260	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	11000.00	2.091255	within the operation band	PASS
			NV	-10	-11000.00	-2.091255	within the operation band	PASS
			NV	0	-11000.00	-2.091255	within the operation band	PASS
			NV	10	11000.00	2.091255	within the operation band	PASS
			NV	20	11000.00	2.091255	within the operation band	PASS
			NV	30	-22000.00	-3.859649	within the operation band	PASS
			NV	40	-11000.00	-1.929825	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant2	5260	NV	-30	11000.00	2.091255	within the operation band	PASS
			NV	-20	-22000.00	-4.182510	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	11000.00	2.091255	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-11000.00	-2.091255	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant1	5280	NV	-30	11000.00	2.083333	within the operation	PASS

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			NV	-20	-33000.00	-6.250000	within the operation band	PASS
			NV	-10	-22000.00	-3.859649	within the operation band	PASS
			NV	0	-11000.00	-1.929825	within the operation band	PASS
			NV	10	-22000.00	-3.859649	within the operation band	PASS
			NV	20	-11000.00	-2.083333	within the operation band	PASS
			NV	30	11000.00	2.083333	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	11000.00	2.083333	within the operation band	PASS
	Ant2	5280	NV	-30	11000.00	2.083333	within the operation band	PASS
			NV	-20	-22000.00	-4.166667	within the operation band	PASS
			NV	-10	-22000.00	-4.166667	within the operation band	PASS
			NV	0	11000.00	2.083333	within the operation band	PASS
			NV	10	-22000.00	-3.859649	within the operation band	PASS
			NV	20	-11000.00	-1.929825	within the operation band	PASS
			NV	30	-22000.00	-3.859649	within the operation band	PASS
			NV	40	-22000.00	-3.859649	within the operation band	PASS
			NV	50	-11000.00	-1.929825	within the operation band	PASS
	Ant1	5320	NV	-30	-22000.00	-3.859649	within the operation band	PASS
			NV	-20	-33000.00	-6.203008	within the operation band	PASS
			NV	-10	-11000.00	-2.067669	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	-11000.00	-2.067669	within the operation band	PASS
			NV	20	-11000.00	-2.067669	within the operation band	PASS
			NV	30	-22000.00	-4.135338	within the operation band	PASS
			NV	40	-22000.00	-4.135338	within the operation band	PASS
			NV	50	-33000.00	-6.203008	within the operation band	PASS
	Ant2	5320	NV	-30	-22000.00	-3.859649	within the operation band	PASS
			NV	-20	-11000.00	-1.929825	within the operation band	PASS
			NV	-10	-22000.00	-3.859649	within the operation band	PASS
			NV	0	-22000.00	-3.859649	within the operation band	PASS
			NV	10	-11000.00	-1.929825	within the operation band	PASS
			NV	20	-22000.00	-3.859649	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	-11000.00	-2.067669	within the operation band	PASS
			NV	50	-11000.00	-2.067669	within the operation band	PASS
	Ant1	5500	NV	-30	22000.00	4.000000	within the operation band	PASS
			NV	-20	-11000.00	-2.000000	within the operation band	PASS
			NV	-10	-22000.00	-4.000000	within the operation band	PASS
			NV	0	-11000.00	-2.000000	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-11000.00	-2.000000	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	-11000.00	-2.000000	within the operation band	PASS

			NV	50	0.00	0.000000	within the operation band	PASS
	Ant2	5500	NV	-30	-22000.00	-4.000000	within the operation band	PASS
			NV	-20	11000.00	2.000000	within the operation band	PASS
			NV	-10	-22000.00	-3.859649	within the operation band	PASS
			NV	0	-11000.00	-1.929825	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-22000.00	-3.859649	within the operation band	PASS
			NV	30	-11000.00	-1.929825	within the operation band	PASS
			NV	40	-22000.00	-3.859649	within the operation band	PASS
			NV	50	-11000.00	-2.000000	within the operation band	PASS
	Ant1	5580	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	11000.00	1.971326	within the operation band	PASS
			NV	0	22000.00	3.942652	within the operation band	PASS
			NV	10	-22000.00	-3.942652	within the operation band	PASS
			NV	20	11000.00	1.971326	within the operation band	PASS
			NV	30	-11000.00	-1.971326	within the operation band	PASS
			NV	40	-22000.00	-3.859649	within the operation band	PASS
			NV	50	-11000.00	-1.929825	within the operation band	PASS
	Ant2	5580	NV	-30	-22000.00	-3.859649	within the operation band	PASS
			NV	-20	-11000.00	-1.971326	within the operation band	PASS
			NV	-10	11000.00	1.971326	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	-22000.00	-3.859649	within the operation band	PASS
			NV	20	-11000.00	-1.929825	within the operation band	PASS
			NV	30	-22000.00	-3.859649	within the operation band	PASS
			NV	40	11000.00	1.971326	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant1	5700	NV	-30	-11000.00	-1.929825	within the operation band	PASS
			NV	-20	-22000.00	-3.859649	within the operation band	PASS
			NV	-10	-11000.00	-1.929825	within the operation band	PASS
			NV	0	-22000.00	-3.859649	within the operation band	PASS
			NV	10	11000.00	1.929825	within the operation band	PASS
			NV	20	-11000.00	-1.929825	within the operation band	PASS
			NV	30	11000.00	1.929825	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	22000.00	3.859649	within the operation band	PASS
	Ant2	5700	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	-11000.00	-1.929825	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-11000.00	-1.929825	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation	PASS

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			NV	40	11000.00	1.929825	within the operation band	PASS
			NV	50	-11000.00	-1.929825	within the operation band	PASS
	Ant1	5745	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	-11000.00	-1.914708	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	-22000.00	-3.829417	within the operation band	PASS
			NV	20	22000.00	3.802939	within the operation band	PASS
			NV	30	11000.00	1.901469	within the operation band	PASS
			NV	40	11000.00	1.914708	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant2	5745	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	11000.00	1.914708	within the operation band	PASS
			NV	-10	-11000.00	-1.914708	within the operation band	PASS
			NV	0	22000.00	3.802939	within the operation band	PASS
			NV	10	11000.00	1.901469	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	-22000.00	-3.829417	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant1	5785	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	-33000.00	-5.704408	within the operation band	PASS
			NV	-10	22000.00	3.802939	within the operation band	PASS
			NV	0	11000.00	1.901469	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	22000.00	4.247104	within the operation band	PASS
			NV	30	11000.00	2.123552	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	22000.00	3.802939	within the operation band	PASS
	Ant2	5785	NV	-30	11000.00	1.901469	within the operation band	PASS
			NV	-20	11000.00	1.901469	within the operation band	PASS
			NV	-10	-11000.00	-1.901469	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	22000.00	4.247104	within the operation band	PASS
			NV	20	11000.00	2.123552	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	22000.00	4.247104	within the operation band	PASS
			NV	50	11000.00	2.123552	within the operation band	PASS
	Ant1	5825	NV	-30	22000.00	4.247104	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	-22000.00	-3.776824	within the operation band	PASS
			NV	0	-11000.00	-1.888412	within the operation band	PASS
			NV	10	11000.00	1.888412	within the operation band	PASS

			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	11000.00	1.888412	within the operation band	PASS
			NV	40	22000.00	4.247104	within the operation band	PASS
			NV	50	11000.00	2.123552	within the operation band	PASS
	Ant2	5825	NV	-30	22000.00	4.247104	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	-22000.00	-3.776824	within the operation band	PASS
			NV	0	-11000.00	-1.888412	within the operation band	PASS
			NV	10	22000.00	4.247104	within the operation band	PASS
			NV	20	11000.00	2.123552	within the operation band	PASS
			NV	30	-11000.00	-1.888412	within the operation band	PASS
			NV	40	-11000.00	-1.888412	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
11N20MIMO	Ant1	5180	NV	-30	-11000.00	-2.123552	within the operation band	PASS
			NV	-20	-22000.00	-4.247104	within the operation band	PASS
			NV	-10	11000.00	2.123552	within the operation band	PASS
			NV	0	22000.00	4.247104	within the operation band	PASS
			NV	10	11000.00	2.123552	within the operation band	PASS
			NV	20	22000.00	4.247104	within the operation band	PASS
			NV	30	11000.00	2.123552	within the operation band	PASS
			NV	40	-22000.00	-4.247104	within the operation band	PASS
			NV	50	-11000.00	-2.099237	within the operation band	PASS
	Ant2	5180	NV	-30	-11000.00	-2.099237	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	22000.00	4.247104	within the operation band	PASS
			NV	0	-11000.00	-2.099237	within the operation band	PASS
			NV	10	-11000.00	-2.099237	within the operation band	PASS
			NV	20	-11000.00	-2.099237	within the operation band	PASS
			NV	30	-11000.00	-2.099237	within the operation band	PASS
			NV	40	22000.00	4.247104	within the operation band	PASS
			NV	50	11000.00	2.123552	within the operation band	PASS
	Ant1	5200	NV	-30	-11000.00	-2.115385	within the operation band	PASS
			NV	-20	-22000.00	-4.230769	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	-44000.00	-8.461538	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-22000.00	-4.230769	within the operation band	PASS
			NV	30	-11000.00	-2.099237	within the operation band	PASS
			NV	40	-11000.00	-2.099237	within the operation band	PASS
			NV	50	-22000.00	-4.230769	within the operation band	PASS
	Ant2	5200	NV	-30	22000.00	4.230769	within the operation band	PASS
			NV	-20	22000.00	4.230769	within the operation band	PASS
			NV	-10	22000.00	4.230769	within the operation band	PASS
			NV	0	22000.00	4.230769	within the operation	PASS

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			NV	10	11000.00	2.115385	within the operation band	PASS
			NV	20	-11000.00	-2.115385	within the operation band	PASS
			NV	30	-11000.00	-2.099237	within the operation band	PASS
			NV	40	-11000.00	-2.099237	within the operation band	PASS
			NV	50	-11000.00	-2.099237	within the operation band	PASS
	Ant1	5240	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	-11000.00	-2.099237	within the operation band	PASS
			NV	0	-11000.00	-2.099237	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-22000.00	-4.198473	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	-11000.00	-2.099237	within the operation band	PASS
			NV	50	-11000.00	-2.099237	within the operation band	PASS
	Ant2	5240	NV	-30	-11000.00	-2.099237	within the operation band	PASS
			NV	-20	-22000.00	-4.135338	within the operation band	PASS
			NV	-10	-11000.00	-2.000000	within the operation band	PASS
			NV	0	22000.00	4.198473	within the operation band	PASS
			NV	10	-11000.00	-2.099237	within the operation band	PASS
			NV	20	-11000.00	-2.099237	within the operation band	PASS
			NV	30	11000.00	2.099237	within the operation band	PASS
			NV	40	-11000.00	-2.099237	within the operation band	PASS
			NV	50	-22000.00	-4.198473	within the operation band	PASS
	Ant1	5260	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	-22000.00	-4.182510	within the operation band	PASS
			NV	-10	22000.00	4.182510	within the operation band	PASS
			NV	0	-11000.00	-2.091255	within the operation band	PASS
			NV	10	-22000.00	-4.182510	within the operation band	PASS
			NV	20	-11000.00	-2.091255	within the operation band	PASS
			NV	30	-22000.00	-4.182510	within the operation band	PASS
			NV	40	-22000.00	-4.135338	within the operation band	PASS
			NV	50	-11000.00	-2.000000	within the operation band	PASS
	Ant2	5260	NV	-30	11000.00	2.091255	within the operation band	PASS
			NV	-20	11000.00	2.091255	within the operation band	PASS
			NV	-10	-22000.00	-4.135338	within the operation band	PASS
			NV	0	-11000.00	-2.000000	within the operation band	PASS
			NV	10	-22000.00	-4.135338	within the operation band	PASS
			NV	20	11000.00	2.091255	within the operation band	PASS
			NV	30	22000.00	4.182510	within the operation band	PASS
			NV	40	11000.00	2.091255	within the operation band	PASS
			NV	50	11000.00	2.091255	within the operation band	PASS
	Ant1	5280	NV	-30	-22000.00	-4.135338	within the operation band	PASS
			NV	-20	-11000.00	-2.000000	within the operation band	PASS

			NV	-10	-22000.00	-4.135338	within the operation band	PASS
			NV	0	-22000.00	-4.166667	within the operation band	PASS
			NV	10	-44000.00	-8.333333	within the operation band	PASS
			NV	20	11000.00	2.083333	within the operation band	PASS
			NV	30	-11000.00	-2.083333	within the operation band	PASS
			NV	40	-22000.00	-4.166667	within the operation band	PASS
			NV	50	-11000.00	-2.083333	within the operation band	PASS
	Ant2	5280	NV	-30	-11000.00	-2.083333	within the operation band	PASS
			NV	-20	11000.00	2.083333	within the operation band	PASS
			NV	-10	-22000.00	-4.135338	within the operation band	PASS
			NV	0	-11000.00	-2.000000	within the operation band	PASS
			NV	10	33000.00	6.250000	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	-11000.00	-2.083333	within the operation band	PASS
			NV	40	-11000.00	-2.083333	within the operation band	PASS
			NV	50	11000.00	2.083333	within the operation band	PASS
	Ant1	5320	NV	-30	-11000.00	-2.067669	within the operation band	PASS
			NV	-20	-11000.00	-2.067669	within the operation band	PASS
			NV	-10	11000.00	2.067669	within the operation band	PASS
			NV	0	-22000.00	-4.135338	within the operation band	PASS
			NV	10	-11000.00	-2.000000	within the operation band	PASS
			NV	20	11000.00	2.067669	within the operation band	PASS
			NV	30	-11000.00	-2.067669	within the operation band	PASS
			NV	40	11000.00	2.067669	within the operation band	PASS
			NV	50	-33000.00	-6.203008	within the operation band	PASS
	Ant2	5320	NV	-30	-11000.00	-2.067669	within the operation band	PASS
			NV	-20	-22000.00	-4.135338	within the operation band	PASS
			NV	-10	11000.00	2.067669	within the operation band	PASS
			NV	0	-22000.00	-4.135338	within the operation band	PASS
			NV	10	-22000.00	-4.135338	within the operation band	PASS
			NV	20	-11000.00	-2.000000	within the operation band	PASS
			NV	30	-22000.00	-4.135338	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	-22000.00	-4.135338	within the operation band	PASS
	Ant1	5500	NV	-30	-11000.00	-2.000000	within the operation band	PASS
			NV	-20	11000.00	2.000000	within the operation band	PASS
			NV	-10	22000.00	4.000000	within the operation band	PASS
			NV	0	-33000.00	-6.000000	within the operation band	PASS
			NV	10	-11000.00	-2.000000	within the operation band	PASS
			NV	20	-33000.00	-6.000000	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	-22000.00	-4.000000	within the operation band	PASS
			NV	50	-11000.00	-2.000000	within the operation band	PASS
	Ant2	5500	NV	-30	-22000.00	-4.000000	within the operation	PASS

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			NV	-20	33000.00	6.000000	within the operation band	PASS
			NV	-10	-22000.00	-4.000000	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	-11000.00	-2.000000	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	33000.00	6.000000	within the operation band	PASS
			NV	40	-22000.00	-4.000000	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant1	5580	NV	-30	22000.00	3.942652	within the operation band	PASS
			NV	-20	11000.00	1.971326	within the operation band	PASS
			NV	-10	33000.00	6.000000	within the operation band	PASS
			NV	0	-22000.00	-4.000000	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	11000.00	1.971326	within the operation band	PASS
			NV	30	-11000.00	-1.971326	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	11000.00	1.971326	within the operation band	PASS
	Ant2	5580	NV	-30	11000.00	1.971326	within the operation band	PASS
			NV	-20	11000.00	1.971326	within the operation band	PASS
			NV	-10	-11000.00	-1.971326	within the operation band	PASS
			NV	0	11000.00	1.971326	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-11000.00	-2.123552	within the operation band	PASS
			NV	30	-22000.00	-4.247104	within the operation band	PASS
			NV	40	11000.00	1.971326	within the operation band	PASS
			NV	50	-33000.00	-5.913978	within the operation band	PASS
	Ant1	5700	NV	-30	-11000.00	-2.123552	within the operation band	PASS
			NV	-20	-22000.00	-4.247104	within the operation band	PASS
			NV	-10	-33000.00	-5.789474	within the operation band	PASS
			NV	0	-22000.00	-3.859649	within the operation band	PASS
			NV	10	-11000.00	-1.929825	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	11000.00	1.929825	within the operation band	PASS
			NV	40	11000.00	1.929825	within the operation band	PASS
			NV	50	22000.00	3.859649	within the operation band	PASS
	Ant2	5700	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	-22000.00	-3.859649	within the operation band	PASS
			NV	-10	-11000.00	-1.929825	within the operation band	PASS
			NV	0	-33000.00	-5.789474	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-33000.00	-5.789474	within the operation band	PASS
			NV	30	-11000.00	-1.929825	within the operation band	PASS
			NV	40	-11000.00	-2.123552	within the operation band	PASS

			NV	50	-22000.00	-4.247104	within the operation band	PASS
	Ant1	5745	NV	-30	22000.00	3.829417	within the operation band	PASS
			NV	-20	22000.00	3.829417	within the operation band	PASS
			NV	-10	-11000.00	-1.914708	within the operation band	PASS
			NV	0	-22000.00	-3.829417	within the operation band	PASS
			NV	10	11000.00	1.914708	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	11000.00	1.914708	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	-33000.00	-5.744125	within the operation band	PASS
	Ant2	5745	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	11000.00	1.914708	within the operation band	PASS
			NV	-10	-22000.00	-3.829417	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	-11000.00	-2.123552	within the operation band	PASS
			NV	20	-22000.00	-4.247104	within the operation band	PASS
			NV	30	-33000.00	-5.744125	within the operation band	PASS
			NV	40	33000.00	5.744125	within the operation band	PASS
			NV	50	11000.00	1.914708	within the operation band	PASS
	Ant1	5785	NV	-30	-22000.00	-3.802939	within the operation band	PASS
			NV	-20	-11000.00	-1.901469	within the operation band	PASS
			NV	-10	-11000.00	-1.901469	within the operation band	PASS
			NV	0	22000.00	3.802939	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	-11000.00	-2.123552	within the operation band	PASS
			NV	50	-22000.00	-4.247104	within the operation band	PASS
	Ant2	5785	NV	-30	-11000.00	-1.901469	within the operation band	PASS
			NV	-20	-44000.00	-7.605877	within the operation band	PASS
			NV	-10	-22000.00	-3.802939	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	-11000.00	-2.123552	within the operation band	PASS
			NV	20	-22000.00	-4.247104	within the operation band	PASS
			NV	30	-22000.00	-3.802939	within the operation band	PASS
			NV	40	11000.00	1.901469	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant1	5825	NV	-30	11000.00	1.888412	within the operation band	PASS
			NV	-20	-11000.00	-2.123552	within the operation band	PASS
			NV	-10	-22000.00	-4.247104	within the operation band	PASS
			NV	0	-11000.00	-1.888412	within the operation band	PASS
			NV	10	11000.00	1.888412	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	11000.00	1.888412	within the operation	PASS

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			NV	40	-11000.00	-1.888412	within the operation band	PASS
			NV	50	22000.00	3.776824	within the operation band	PASS
	Ant2	5825	NV	-30	-11000.00	-2.123552	within the operation band	PASS
			NV	-20	-22000.00	-4.247104	within the operation band	PASS
			NV	-10	11000.00	1.888412	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	11000.00	1.888412	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	11000.00	2.123552	within the operation band	PASS
			NV	40	-11000.00	-2.115385	within the operation band	PASS
			NV	50	11000.00	1.888412	within the operation band	PASS
11N40MIMO	Ant1	5190	NV	-30	-11000.00	-2.123552	within the operation band	PASS
			NV	-20	-22000.00	-4.247104	within the operation band	PASS
			NV	-10	11000.00	2.123552	within the operation band	PASS
			NV	0	-11000.00	-2.115385	within the operation band	PASS
			NV	10	22000.00	4.247104	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	11000.00	2.123552	within the operation band	PASS
			NV	40	-22000.00	-4.247104	within the operation band	PASS
			NV	50	-33000.00	-6.370656	within the operation band	PASS
	Ant2	5190	NV	-30	33000.00	6.370656	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	22000.00	4.247104	within the operation band	PASS
			NV	0	11000.00	2.123552	within the operation band	PASS
			NV	10	-11000.00	-2.115385	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	-22000.00	-4.198473	within the operation band	PASS
			NV	40	22000.00	4.247104	within the operation band	PASS
			NV	50	11000.00	2.123552	within the operation band	PASS
	Ant1	5230	NV	-30	-11000.00	-2.115385	within the operation band	PASS
			NV	-20	-22000.00	-4.230769	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	-44000.00	-8.461538	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-22000.00	-4.230769	within the operation band	PASS
			NV	30	-22000.00	-4.230769	within the operation band	PASS
			NV	40	-11000.00	-2.115385	within the operation band	PASS
			NV	50	-22000.00	-4.230769	within the operation band	PASS
	Ant2	5230	NV	-30	22000.00	4.230769	within the operation band	PASS
			NV	-20	22000.00	4.230769	within the operation band	PASS
			NV	-10	22000.00	4.230769	within the operation band	PASS
			NV	0	22000.00	4.230769	within the operation band	PASS
			NV	10	11000.00	2.115385	within the operation band	PASS

			NV	20	-11000.00	-2.115385	within the operation band	PASS
			NV	30	22000.00	4.182510	within the operation band	PASS
			NV	40	-11000.00	-2.091255	within the operation band	PASS
			NV	50	-11000.00	-2.115385	within the operation band	PASS
	Ant1	5270	NV	-30	22000.00	4.182510	within the operation band	PASS
			NV	-20	-11000.00	-2.091255	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	-22000.00	-4.198473	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-22000.00	-4.198473	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	-11000.00	-2.099237	within the operation band	PASS
			NV	50	-11000.00	-2.099237	within the operation band	PASS
	Ant2	5270	NV	-30	22000.00	4.182510	within the operation band	PASS
			NV	-20	-11000.00	-2.091255	within the operation band	PASS
			NV	-10	-11000.00	-2.099237	within the operation band	PASS
			NV	0	22000.00	4.182510	within the operation band	PASS
			NV	10	-11000.00	-2.091255	within the operation band	PASS
			NV	20	-11000.00	-2.099237	within the operation band	PASS
			NV	30	11000.00	2.099237	within the operation band	PASS
			NV	40	-11000.00	-2.099237	within the operation band	PASS
			NV	50	-22000.00	-4.198473	within the operation band	PASS
	Ant1	5310	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	-22000.00	-4.182510	within the operation band	PASS
			NV	-10	22000.00	4.182510	within the operation band	PASS
			NV	0	-11000.00	-2.091255	within the operation band	PASS
			NV	10	-22000.00	-4.182510	within the operation band	PASS
			NV	20	-11000.00	-2.091255	within the operation band	PASS
			NV	30	-22000.00	-4.182510	within the operation band	PASS
			NV	40	11000.00	2.091255	within the operation band	PASS
			NV	50	-11000.00	-2.091255	within the operation band	PASS
	Ant2	5310	NV	-30	11000.00	2.091255	within the operation band	PASS
			NV	-20	11000.00	2.091255	within the operation band	PASS
			NV	-10	11000.00	2.091255	within the operation band	PASS
			NV	0	-11000.00	-2.091255	within the operation band	PASS
			NV	10	-22000.00	-4.166667	within the operation band	PASS
			NV	20	-44000.00	-8.333333	within the operation band	PASS
			NV	30	22000.00	4.182510	within the operation band	PASS
			NV	40	11000.00	2.091255	within the operation band	PASS
			NV	50	11000.00	2.091255	within the operation band	PASS
	Ant1	5510	NV	-30	-11000.00	-2.067669	within the operation band	PASS
			NV	-20	-22000.00	-4.135338	within the operation band	PASS
			NV	-10	11000.00	2.067669	within the operation band	PASS
			NV	0	-22000.00	-4.166667	within the operation	PASS

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			NV	10	-44000.00	-8.333333	within the operation band	PASS
			NV	20	11000.00	2.083333	within the operation band	PASS
			NV	30	-11000.00	-2.083333	within the operation band	PASS
			NV	40	-22000.00	-4.166667	within the operation band	PASS
			NV	50	-11000.00	-2.083333	within the operation band	PASS
	Ant2	5510	NV	-30	-11000.00	-2.083333	within the operation band	PASS
			NV	-20	11000.00	2.083333	within the operation band	PASS
			NV	-10	22000.00	4.166667	within the operation band	PASS
			NV	0	-11000.00	-2.067669	within the operation band	PASS
			NV	10	-22000.00	-4.135338	within the operation band	PASS
			NV	20	11000.00	2.067669	within the operation band	PASS
			NV	30	-11000.00	-2.083333	within the operation band	PASS
			NV	40	-11000.00	-2.083333	within the operation band	PASS
			NV	50	11000.00	2.083333	within the operation band	PASS
	Ant1	5550	NV	-30	-11000.00	-2.067669	within the operation band	PASS
			NV	-20	-11000.00	-2.067669	within the operation band	PASS
			NV	-10	-11000.00	-2.067669	within the operation band	PASS
			NV	0	-22000.00	-4.135338	within the operation band	PASS
			NV	10	11000.00	2.067669	within the operation band	PASS
			NV	20	11000.00	2.067669	within the operation band	PASS
			NV	30	-11000.00	-2.067669	within the operation band	PASS
			NV	40	11000.00	2.067669	within the operation band	PASS
			NV	50	-33000.00	-6.203008	within the operation band	PASS
	Ant2	5550	NV	-30	-11000.00	-2.067669	within the operation band	PASS
			NV	-20	-22000.00	-4.135338	within the operation band	PASS
			NV	-10	11000.00	2.067669	within the operation band	PASS
			NV	0	-22000.00	-4.135338	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-11000.00	-2.067669	within the operation band	PASS
			NV	30	-22000.00	-4.135338	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	-22000.00	-4.135338	within the operation band	PASS
	Ant1	5670	NV	-30	-11000.00	-2.000000	within the operation band	PASS
			NV	-20	11000.00	2.000000	within the operation band	PASS
			NV	-10	22000.00	4.000000	within the operation band	PASS
			NV	0	-33000.00	-6.000000	within the operation band	PASS
			NV	10	-11000.00	-2.000000	within the operation band	PASS
			NV	20	-33000.00	-6.000000	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	-22000.00	-4.000000	within the operation band	PASS
			NV	50	-11000.00	-2.000000	within the operation band	PASS
	Ant2	5670	NV	-30	-22000.00	-4.000000	within the operation band	PASS
			NV	-20	-22000.00	-4.000000	within the operation band	PASS

			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	-11000.00	-2.000000	within the operation band	PASS
			NV	10	-11000.00	-2.000000	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	33000.00	6.000000	within the operation band	PASS
			NV	40	-22000.00	-4.000000	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant1	5755	NV	-30	22000.00	3.942652	within the operation band	PASS
			NV	-20	11000.00	1.971326	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	11000.00	1.971326	within the operation band	PASS
			NV	10	11000.00	1.971326	within the operation band	PASS
			NV	20	11000.00	1.971326	within the operation band	PASS
			NV	30	-11000.00	-1.971326	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	11000.00	1.971326	within the operation band	PASS
	Ant2	5755	NV	-30	-33000.00	-5.789474	within the operation band	PASS
			NV	-20	-11000.00	-1.929825	within the operation band	PASS
			NV	-10	-11000.00	-1.971326	within the operation band	PASS
			NV	0	11000.00	1.971326	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	33000.00	5.913978	within the operation band	PASS
			NV	30	-33000.00	-5.913978	within the operation band	PASS
			NV	40	11000.00	1.971326	within the operation band	PASS
			NV	50	-33000.00	-5.913978	within the operation band	PASS
	Ant1	5795	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	-33000.00	-5.789474	within the operation band	PASS
			NV	-10	-11000.00	-1.929825	within the operation band	PASS
			NV	0	-22000.00	-3.859649	within the operation band	PASS
			NV	10	-33000.00	-5.789474	within the operation band	PASS
			NV	20	-11000.00	-1.929825	within the operation band	PASS
			NV	30	11000.00	1.929825	within the operation band	PASS
			NV	40	11000.00	1.929825	within the operation band	PASS
			NV	50	22000.00	3.859649	within the operation band	PASS
	Ant2	5795	NV	-30	-33000.00	-5.789474	within the operation band	PASS
			NV	-20	-11000.00	-1.929825	within the operation band	PASS
			NV	-10	-11000.00	-1.929825	within the operation band	PASS
			NV	0	-33000.00	-5.789474	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-33000.00	-5.789474	within the operation band	PASS
			NV	30	-11000.00	-1.929825	within the operation band	PASS
			NV	40	-22000.00	-3.859649	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
11AC20M	Ant1	5180	NV	-30	-11000.00	-2.123552	within the operation	PASS

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			NV	-20	-22000.00	-4.247104	within the operation band	PASS
			NV	-10	11000.00	2.123552	within the operation band	PASS
			NV	0	-22000.00	-4.247104	within the operation band	PASS
			NV	10	22000.00	4.247104	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	11000.00	2.123552	within the operation band	PASS
			NV	40	-11000.00	-2.115385	within the operation band	PASS
			NV	50	-11000.00	-2.115385	within the operation band	PASS
	Ant2	5180	NV	-30	33000.00	6.370656	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	22000.00	4.247104	within the operation band	PASS
			NV	0	22000.00	4.247104	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	55000.00	10.617761	within the operation band	PASS
			NV	30	11000.00	2.123552	within the operation band	PASS
			NV	40	22000.00	4.247104	within the operation band	PASS
			NV	50	11000.00	2.123552	within the operation band	PASS
	Ant1	5200	NV	-30	-11000.00	-2.115385	within the operation band	PASS
			NV	-20	-22000.00	-4.230769	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	-11000.00	-2.115385	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	-11000.00	-2.115385	within the operation band	PASS
			NV	50	-22000.00	-4.230769	within the operation band	PASS
	Ant2	5200	NV	-30	22000.00	4.230769	within the operation band	PASS
			NV	-20	22000.00	4.230769	within the operation band	PASS
			NV	-10	22000.00	4.230769	within the operation band	PASS
			NV	0	22000.00	4.230769	within the operation band	PASS
			NV	10	11000.00	2.115385	within the operation band	PASS
			NV	20	-11000.00	-2.115385	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	-11000.00	-2.115385	within the operation band	PASS
	Ant1	5240	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	-22000.00	-4.198473	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-22000.00	-4.198473	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	-11000.00	-2.099237	within the operation band	PASS

			NV	50	-11000.00	-2.099237	within the operation band	PASS
	Ant2	5240	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	-11000.00	-2.099237	within the operation band	PASS
			NV	-10	-11000.00	-2.099237	within the operation band	PASS
			NV	0	22000.00	4.198473	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	11000.00	2.099237	within the operation band	PASS
			NV	40	-11000.00	-2.099237	within the operation band	PASS
			NV	50	-22000.00	-4.198473	within the operation band	PASS
	Ant1	5260	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	-22000.00	-4.182510	within the operation band	PASS
			NV	-10	22000.00	4.182510	within the operation band	PASS
			NV	0	-11000.00	-2.091255	within the operation band	PASS
			NV	10	-22000.00	-4.182510	within the operation band	PASS
			NV	20	-11000.00	-2.091255	within the operation band	PASS
			NV	30	-22000.00	-4.182510	within the operation band	PASS
			NV	40	11000.00	2.091255	within the operation band	PASS
			NV	50	-11000.00	-2.091255	within the operation band	PASS
	Ant2	5260	NV	-30	11000.00	2.091255	within the operation band	PASS
			NV	-20	11000.00	2.091255	within the operation band	PASS
			NV	-10	11000.00	2.091255	within the operation band	PASS
			NV	0	11000.00	2.091255	within the operation band	PASS
			NV	10	22000.00	4.182510	within the operation band	PASS
			NV	20	11000.00	2.091255	within the operation band	PASS
			NV	30	22000.00	4.182510	within the operation band	PASS
			NV	40	11000.00	2.091255	within the operation band	PASS
			NV	50	11000.00	2.091255	within the operation band	PASS
	Ant1	5280	NV	-30	11000.00	2.083333	within the operation band	PASS
			NV	-20	-11000.00	-2.083333	within the operation band	PASS
			NV	-10	-11000.00	-2.083333	within the operation band	PASS
			NV	0	-22000.00	-4.166667	within the operation band	PASS
			NV	10	-44000.00	-8.333333	within the operation band	PASS
			NV	20	11000.00	2.083333	within the operation band	PASS
			NV	30	-11000.00	-2.083333	within the operation band	PASS
			NV	40	-22000.00	-4.166667	within the operation band	PASS
			NV	50	-11000.00	-2.083333	within the operation band	PASS
	Ant2	5280	NV	-30	-11000.00	-2.083333	within the operation band	PASS
			NV	-20	11000.00	2.083333	within the operation band	PASS
			NV	-10	22000.00	4.166667	within the operation band	PASS
			NV	0	-11000.00	-2.067669	within the operation band	PASS
			NV	10	-11000.00	-2.067669	within the operation band	PASS
			NV	20	-11000.00	-2.067669	within the operation band	PASS
			NV	30	-11000.00	-2.083333	within the operation	PASS

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			NV	40	-11000.00	-2.083333	within the operation band	PASS
			NV	50	11000.00	2.083333	within the operation band	PASS
	Ant1	5320	NV	-30	-11000.00	-2.067669	within the operation band	PASS
			NV	-20	-11000.00	-2.067669	within the operation band	PASS
			NV	-10	11000.00	2.067669	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	-33000.00	-6.203008	within the operation band	PASS
			NV	20	11000.00	2.067669	within the operation band	PASS
			NV	30	-11000.00	-2.067669	within the operation band	PASS
			NV	40	11000.00	2.067669	within the operation band	PASS
			NV	50	-11000.00	-2.067669	within the operation band	PASS
	Ant2	5320	NV	-30	-11000.00	-2.067669	within the operation band	PASS
			NV	-20	-22000.00	-4.135338	within the operation band	PASS
			NV	-10	11000.00	2.067669	within the operation band	PASS
			NV	0	-22000.00	-4.135338	within the operation band	PASS
			NV	10	-11000.00	-2.067669	within the operation band	PASS
			NV	20	-11000.00	-2.067669	within the operation band	PASS
			NV	30	-22000.00	-4.135338	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	-22000.00	-4.135338	within the operation band	PASS
	Ant1	5500	NV	-30	-11000.00	-2.000000	within the operation band	PASS
			NV	-20	11000.00	2.000000	within the operation band	PASS
			NV	-10	22000.00	4.000000	within the operation band	PASS
			NV	0	-33000.00	-6.000000	within the operation band	PASS
			NV	10	-11000.00	-2.000000	within the operation band	PASS
			NV	20	11000.00	1.971326	within the operation band	PASS
			NV	30	11000.00	1.971326	within the operation band	PASS
			NV	40	-22000.00	-4.000000	within the operation band	PASS
			NV	50	-11000.00	-2.000000	within the operation band	PASS
	Ant2	5500	NV	-30	-22000.00	-4.000000	within the operation band	PASS
			NV	-20	11000.00	1.971326	within the operation band	PASS
			NV	-10	11000.00	1.971326	within the operation band	PASS
			NV	0	-11000.00	-2.000000	within the operation band	PASS
			NV	10	-11000.00	-2.000000	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	11000.00	1.971326	within the operation band	PASS
			NV	40	-22000.00	-4.000000	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant1	5580	NV	-30	22000.00	3.942652	within the operation band	PASS
			NV	-20	11000.00	1.971326	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS

			NV	20	11000.00	1.971326	within the operation band	PASS
			NV	30	-11000.00	-1.971326	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant2	5580	NV	-30	11000.00	1.971326	within the operation band	PASS
			NV	-20	11000.00	1.971326	within the operation band	PASS
			NV	-10	-11000.00	-1.971326	within the operation band	PASS
			NV	0	11000.00	1.971326	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	33000.00	5.913978	within the operation band	PASS
			NV	30	-33000.00	-5.913978	within the operation band	PASS
			NV	40	11000.00	1.971326	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant1	5700	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	-22000.00	-3.859649	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	-22000.00	-3.859649	within the operation band	PASS
			NV	10	-11000.00	-1.929825	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	11000.00	1.929825	within the operation band	PASS
			NV	40	11000.00	1.929825	within the operation band	PASS
			NV	50	22000.00	3.859649	within the operation band	PASS
	Ant2	5700	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	-22000.00	-3.859649	within the operation band	PASS
			NV	-10	-11000.00	-1.929825	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-33000.00	-5.789474	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	-22000.00	-3.859649	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant1	5745	NV	-30	22000.00	3.829417	within the operation band	PASS
			NV	-20	22000.00	3.829417	within the operation band	PASS
			NV	-10	-11000.00	-1.914708	within the operation band	PASS
			NV	0	-22000.00	-3.829417	within the operation band	PASS
			NV	10	11000.00	1.914708	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	-33000.00	-5.744125	within the operation band	PASS
	Ant2	5745	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	11000.00	1.914708	within the operation band	PASS
			NV	-10	-22000.00	-3.829417	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation	PASS

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			NV	10	-22000.00	-3.829417	within the operation band	PASS
			NV	20	22000.00	4.247104	within the operation band	PASS
			NV	30	22000.00	4.247104	within the operation band	PASS
			NV	40	33000.00	5.744125	within the operation band	PASS
			NV	50	11000.00	1.914708	within the operation band	PASS
	Ant1	5785	NV	-30	-22000.00	-3.802939	within the operation band	PASS
			NV	-20	-11000.00	-1.901469	within the operation band	PASS
			NV	-10	-11000.00	-1.901469	within the operation band	PASS
			NV	0	22000.00	3.802939	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	22000.00	4.247104	within the operation band	PASS
			NV	30	22000.00	4.247104	within the operation band	PASS
			NV	40	-11000.00	-1.901469	within the operation band	PASS
			NV	50	-33000.00	-5.704408	within the operation band	PASS
	Ant2	5785	NV	-30	-11000.00	-1.901469	within the operation band	PASS
			NV	-20	-44000.00	-7.605877	within the operation band	PASS
			NV	-10	-22000.00	-3.802939	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	22000.00	4.247104	within the operation band	PASS
			NV	20	22000.00	4.247104	within the operation band	PASS
			NV	30	-22000.00	-3.802939	within the operation band	PASS
			NV	40	11000.00	1.901469	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant1	5825	NV	-30	11000.00	1.888412	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	11000.00	1.888412	within the operation band	PASS
			NV	0	-11000.00	-1.888412	within the operation band	PASS
			NV	10	11000.00	1.888412	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	11000.00	1.888412	within the operation band	PASS
			NV	40	-11000.00	-1.888412	within the operation band	PASS
			NV	50	22000.00	3.776824	within the operation band	PASS
	Ant2	5825	NV	-30	11000.00	1.888412	within the operation band	PASS
			NV	-20	22000.00	4.247104	within the operation band	PASS
			NV	-10	11000.00	1.888412	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	11000.00	1.888412	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	11000.00	1.888412	within the operation band	PASS
11AC40M IMO	Ant1	5190	NV	-30	-11000.00	-2.123552	within the operation band	PASS
			NV	-20	22000.00	4.247104	within the operation band	PASS

			NV	-10	22000.00	4.247104	within the operation band	PASS
			NV	0	-22000.00	-4.247104	within the operation band	PASS
			NV	10	22000.00	4.247104	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	11000.00	2.123552	within the operation band	PASS
			NV	40	-22000.00	-4.247104	within the operation band	PASS
			NV	50	-33000.00	-6.370656	within the operation band	PASS
	Ant2	5190	NV	-30	33000.00	6.370656	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	22000.00	4.247104	within the operation band	PASS
			NV	0	22000.00	4.247104	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	11000.00	2.123552	within the operation band	PASS
			NV	40	22000.00	4.247104	within the operation band	PASS
			NV	50	11000.00	2.123552	within the operation band	PASS
	Ant1	5230	NV	-30	-11000.00	-2.115385	within the operation band	PASS
			NV	-20	-22000.00	-4.230769	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	-44000.00	-8.461538	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-22000.00	-4.230769	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	-11000.00	-2.115385	within the operation band	PASS
			NV	50	-22000.00	-4.230769	within the operation band	PASS
	Ant2	5230	NV	-30	22000.00	4.230769	within the operation band	PASS
			NV	-20	22000.00	4.230769	within the operation band	PASS
			NV	-10	22000.00	4.230769	within the operation band	PASS
			NV	0	22000.00	4.230769	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	-11000.00	-2.115385	within the operation band	PASS
	Ant1	5270	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	-22000.00	-4.198473	within the operation band	PASS
			NV	0	-44000.00	-8.396947	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-22000.00	-4.198473	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant2	5270	NV	-30	-11000.00	-2.099237	within the operation	PASS

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			NV	-20	-11000.00	-2.099237	within the operation band	PASS
			NV	-10	-11000.00	-2.099237	within the operation band	PASS
			NV	0	22000.00	4.198473	within the operation band	PASS
			NV	10	-11000.00	-2.099237	within the operation band	PASS
			NV	20	11000.00	2.091255	within the operation band	PASS
			NV	30	11000.00	2.099237	within the operation band	PASS
			NV	40	-11000.00	-2.099237	within the operation band	PASS
			NV	50	-22000.00	-4.198473	within the operation band	PASS
	Ant1	5310	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	-22000.00	-4.182510	within the operation band	PASS
			NV	-10	22000.00	4.182510	within the operation band	PASS
			NV	0	-11000.00	-2.091255	within the operation band	PASS
			NV	10	11000.00	2.091255	within the operation band	PASS
			NV	20	-11000.00	-2.091255	within the operation band	PASS
			NV	30	-22000.00	-4.182510	within the operation band	PASS
			NV	40	11000.00	2.091255	within the operation band	PASS
			NV	50	-11000.00	-2.091255	within the operation band	PASS
	Ant2	5310	NV	-30	11000.00	2.091255	within the operation band	PASS
			NV	-20	11000.00	2.091255	within the operation band	PASS
			NV	-10	11000.00	2.091255	within the operation band	PASS
			NV	0	-11000.00	-2.091255	within the operation band	PASS
			NV	10	22000.00	4.182510	within the operation band	PASS
			NV	20	11000.00	2.091255	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	11000.00	2.091255	within the operation band	PASS
			NV	50	11000.00	2.091255	within the operation band	PASS
	Ant1	5510	NV	-30	11000.00	2.083333	within the operation band	PASS
			NV	-20	-11000.00	-2.083333	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	-44000.00	-8.333333	within the operation band	PASS
			NV	20	11000.00	2.083333	within the operation band	PASS
			NV	30	-11000.00	-2.083333	within the operation band	PASS
			NV	40	-22000.00	-4.166667	within the operation band	PASS
			NV	50	-11000.00	-2.083333	within the operation band	PASS
	Ant2	5510	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	22000.00	4.166667	within the operation band	PASS
			NV	0	22000.00	4.166667	within the operation band	PASS
			NV	10	33000.00	6.250000	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	-33000.00	-6.000000	within the operation band	PASS
			NV	40	-33000.00	-6.000000	within the operation band	PASS

			NV	50	11000.00	2.083333	within the operation band	PASS
	Ant1	5550	NV	-30	-11000.00	-2.067669	within the operation band	PASS
			NV	-20	-11000.00	-2.067669	within the operation band	PASS
			NV	-10	11000.00	2.067669	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	-33000.00	-6.203008	within the operation band	PASS
			NV	20	11000.00	2.067669	within the operation band	PASS
			NV	30	-33000.00	-6.000000	within the operation band	PASS
			NV	40	11000.00	2.067669	within the operation band	PASS
			NV	50	-33000.00	-6.203008	within the operation band	PASS
	Ant2	5550	NV	-30	-11000.00	-2.067669	within the operation band	PASS
			NV	-20	-22000.00	-4.135338	within the operation band	PASS
			NV	-10	11000.00	2.067669	within the operation band	PASS
			NV	0	-22000.00	-4.135338	within the operation band	PASS
			NV	10	-11000.00	-2.067669	within the operation band	PASS
			NV	20	-33000.00	-6.000000	within the operation band	PASS
			NV	30	-33000.00	-6.000000	within the operation band	PASS
			NV	40	-33000.00	-6.000000	within the operation band	PASS
			NV	50	-22000.00	-4.135338	within the operation band	PASS
	Ant1	5670	NV	-30	-11000.00	-2.000000	within the operation band	PASS
			NV	-20	11000.00	2.000000	within the operation band	PASS
			NV	-10	22000.00	4.000000	within the operation band	PASS
			NV	0	-33000.00	-6.000000	within the operation band	PASS
			NV	10	-11000.00	-2.000000	within the operation band	PASS
			NV	20	-33000.00	-6.000000	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	-22000.00	-4.000000	within the operation band	PASS
			NV	50	-11000.00	-2.000000	within the operation band	PASS
	Ant2	5670	NV	-30	11000.00	1.929825	within the operation band	PASS
			NV	-20	11000.00	1.929825	within the operation band	PASS
			NV	-10	11000.00	1.929825	within the operation band	PASS
			NV	0	-11000.00	-2.000000	within the operation band	PASS
			NV	10	-11000.00	-2.000000	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	33000.00	6.000000	within the operation band	PASS
			NV	40	-22000.00	-4.000000	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant1	5755	NV	-30	22000.00	3.942652	within the operation band	PASS
			NV	-20	11000.00	1.971326	within the operation band	PASS
			NV	-10	11000.00	1.929825	within the operation band	PASS
			NV	0	11000.00	1.929825	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	11000.00	1.971326	within the operation band	PASS
			NV	30	-11000.00	-1.971326	within the operation	PASS

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			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	11000.00	1.971326	within the operation band	PASS
	Ant2	5755	NV	-30	11000.00	1.971326	within the operation band	PASS
			NV	-20	11000.00	1.971326	within the operation band	PASS
			NV	-10	-11000.00	-1.971326	within the operation band	PASS
			NV	0	11000.00	1.971326	within the operation band	PASS
			NV	10	11000.00	1.929825	within the operation band	PASS
			NV	20	11000.00	1.929825	within the operation band	PASS
			NV	30	-33000.00	-5.913978	within the operation band	PASS
			NV	40	11000.00	1.971326	within the operation band	PASS
			NV	50	-33000.00	-5.913978	within the operation band	PASS
	Ant1	5795	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	11000.00	1.929825	within the operation band	PASS
			NV	-10	11000.00	1.929825	within the operation band	PASS
			NV	0	-22000.00	-3.859649	within the operation band	PASS
			NV	10	-11000.00	-1.929825	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	11000.00	1.929825	within the operation band	PASS
			NV	40	11000.00	1.929825	within the operation band	PASS
			NV	50	22000.00	3.859649	within the operation band	PASS
	Ant2	5795	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	-22000.00	-3.859649	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-33000.00	-5.789474	within the operation band	PASS
			NV	30	-11000.00	-1.929825	within the operation band	PASS
			NV	40	-22000.00	-3.859649	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
11AC80M IMO	Ant1	5210	NV	-30	-11000.00	-2.123552	within the operation band	PASS
			NV	-20	-22000.00	-4.247104	within the operation band	PASS
			NV	-10	11000.00	2.123552	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	22000.00	4.247104	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	11000.00	2.123552	within the operation band	PASS
			NV	40	-22000.00	-4.247104	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant2	5210	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	22000.00	4.247104	within the operation band	PASS
			NV	0	22000.00	4.247104	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS

			NV	20	11000.00	2.115385	within the operation band	PASS
			NV	30	11000.00	2.123552	within the operation band	PASS
			NV	40	22000.00	4.247104	within the operation band	PASS
			NV	50	11000.00	2.123552	within the operation band	PASS
	Ant1	5290	NV	-30	11000.00	2.115385	within the operation band	PASS
			NV	-20	-22000.00	-4.230769	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	11000.00	2.115385	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-22000.00	-4.230769	within the operation band	PASS
			NV	30	-22000.00	-4.230769	within the operation band	PASS
			NV	40	-11000.00	-2.115385	within the operation band	PASS
			NV	50	-22000.00	-4.230769	within the operation band	PASS
	Ant2	5290	NV	-30	11000.00	2.115385	within the operation band	PASS
			NV	-20	22000.00	4.230769	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	11000.00	2.115385	within the operation band	PASS
			NV	20	-11000.00	-2.115385	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	-11000.00	-2.115385	within the operation band	PASS
	Ant1	5530	NV	-30	0.00	0.000000	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	-22000.00	-4.198473	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	-11000.00	-2.099237	within the operation band	PASS
			NV	50	22000.00	4.182510	within the operation band	PASS
	Ant2	5530	NV	-30	22000.00	4.182510	within the operation band	PASS
			NV	-20	-11000.00	-2.099237	within the operation band	PASS
			NV	-10	-11000.00	-2.099237	within the operation band	PASS
			NV	0	22000.00	4.182510	within the operation band	PASS
			NV	10	22000.00	4.182510	within the operation band	PASS
			NV	20	-11000.00	-2.099237	within the operation band	PASS
			NV	30	22000.00	4.182510	within the operation band	PASS
			NV	40	22000.00	4.182510	within the operation band	PASS
			NV	50	-22000.00	-4.198473	within the operation band	PASS
	Ant1	5610	NV	-30	22000.00	4.182510	within the operation band	PASS
			NV	-20	22000.00	4.182510	within the operation band	PASS
			NV	-10	22000.00	4.182510	within the operation band	PASS
			NV	0	-11000.00	-2.091255	within the operation	PASS

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			NV	10	-22000.00	-4.182510	within the operation band	PASS
			NV	20	-11000.00	-2.091255	within the operation band	PASS
			NV	30	-22000.00	-4.182510	within the operation band	PASS
			NV	40	22000.00	4.182510	within the operation band	PASS
			NV	50	-11000.00	-2.091255	within the operation band	PASS
	Ant2	5610	NV	-30	22000.00	4.182510	within the operation band	PASS
			NV	-20	22000.00	4.182510	within the operation band	PASS
			NV	-10	11000.00	2.091255	within the operation band	PASS
			NV	0	-11000.00	-2.091255	within the operation band	PASS
			NV	10	22000.00	4.182510	within the operation band	PASS
			NV	20	11000.00	2.091255	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant1	5775	NV	-30	45000.00	7.792208	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	0.00	0.000000	within the operation band	PASS
			NV	10	0.00	0.000000	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	45000.00	7.792208	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS
	Ant2	5775	NV	-30	45000.00	7.792208	within the operation band	PASS
			NV	-20	0.00	0.000000	within the operation band	PASS
			NV	-10	0.00	0.000000	within the operation band	PASS
			NV	0	45000.00	7.792208	within the operation band	PASS
			NV	10	45000.00	7.792208	within the operation band	PASS
			NV	20	0.00	0.000000	within the operation band	PASS
			NV	30	0.00	0.000000	within the operation band	PASS
			NV	40	0.00	0.000000	within the operation band	PASS
			NV	50	0.00	0.000000	within the operation band	PASS