



1.182 11A20CDD\_Ant2\_5825





1.183 11N20MIMO\_Ant1\_5180





1.184 11N20MIMO\_Ant2\_5180



1.185 11N20MIMO\_Ant1\_5200



1.186 11N20MIMO\_Ant2\_5200





1.187 11N20MIMO\_Ant1\_5240



1.188 11N20MIMO\_Ant2\_5240



## 1.189 11N20MIMO\_Ant1\_5260





1.190 11N20MIMO\_Ant2\_5260



1.191 11N20MIMO\_Ant1\_5280



1.192 11N20MIMO\_Ant2\_5280





1.193 11N20MIMO\_Ant1\_5300



1.194 11N20MIMO\_Ant2\_5300







1.195 11N20MIMO\_Ant1\_5320





1.196 11N20MIMO\_Ant2\_5320





1.197 11N20MIMO\_Ant1\_5500





1.198 11N20MIMO\_Ant2\_5500



1.199 11N20MIMO\_Ant1\_5520







1.200 11N20MIMO\_Ant2\_5520





1.201 11N20MIMO\_Ant1\_5580



1.202 11N20MIMO\_Ant2\_5580



## 1.203 11N20MIMO\_Ant1\_5680





1.204 11N20MIMO\_Ant2\_5680





1.205 11N20MIMO\_Ant1\_5700





1.206 11N20MIMO\_Ant2\_5700



1.207 11N20MIMO\_Ant1\_5745





1.208 11N20MIMO\_Ant2\_5745





1.209 11N20MIMO\_Ant1\_5785







1.210 11N20MIMO\_Ant2\_5785





1.211 11N20MIMO\_Ant1\_5805





1.212 11N20MIMO\_Ant2\_5805





1.213 11N20MIMO\_Ant1\_5825





1.214 11N20MIMO\_Ant2\_5825





1.215 11N40MIMO\_Ant1\_5190





1.216 11N40MIMO\_Ant2\_5190





1.217 11N40MIMO\_Ant1\_5230





1.218 11N40MIMO\_Ant2\_5230



1.219 11N40MIMO\_Ant1\_5270







1.220 11N40MIMO\_Ant2\_5270



1.221 11N40MIMO\_Ant1\_5310





1.222 11N40MIMO\_Ant2\_5310



1.223 11N40MIMO\_Ant1\_5510





1.224 11N40MIMO\_Ant2\_5510







1.225 11N40MIMO\_Ant1\_5550





1.226 11N40MIMO\_Ant2\_5550





1.227 11N40MIMO\_Ant1\_5630





1.228 11N40MIMO\_Ant2\_5630



1.229 11N40MIMO\_Ant1\_5670







1.230 11N40MIMO\_Ant2\_5670





1.231 11N40MIMO\_Ant1\_5755



1.232 11N40MIMO\_Ant2\_5755





1.233 11N40MIMO\_Ant1\_5795





1.234 11N40MIMO\_Ant2\_5795







1.235 11AC20MIMO\_Ant1\_5180





1.236 11AC20MIMO\_Ant2\_5180



1.237 11AC20MIMO\_Ant1\_5200





1.238 11AC20MIMO\_Ant2\_5200



1.239 11AC20MIMO\_Ant1\_5240





1.240 11AC20MIMO\_Ant2\_5240



1.241 11AC20MIMO\_Ant1\_5260



## 1.242 11AC20MIMO\_Ant2\_5260





1.243 11AC20MIMO\_Ant1\_5280



1.244 11AC20MIMO\_Ant2\_5280







1.245 11AC20MIMO\_Ant1\_5300





1.246 11AC20MIMO\_Ant2\_5300



1.247 11AC20MIMO\_Ant1\_5320



1.248 11AC20MIMO\_Ant2\_5320



1.249 11AC20MIMO\_Ant1\_5500







1.250 11AC20MIMO\_Ant2\_5500





1.251 11AC20MIMO\_Ant1\_5520



1.252 11AC20MIMO\_Ant2\_5520



1.253 11AC20MIMO\_Ant1\_5580





1.254 11AC20MIMO\_Ant2\_5580





1.255 11AC20MIMO\_Ant1\_5680



1.256 11AC20MIMO\_Ant2\_5680





1.257 11AC20MIMO\_Ant1\_5700



1.258 11AC20MIMO\_Ant2\_5700



## 1.259 11AC20MIMO\_Ant1\_5745





1.260 11AC20MIMO\_Ant2\_5745



1.261 11AC20MIMO\_Ant1\_5785



1.262 11AC20MIMO\_Ant2\_5785



1.263 11AC20MIMO\_Ant1\_5805





1.264 11AC20MIMO\_Ant2\_5805







1.265 11AC20MIMO\_Ant1\_5825





1.266 11AC20MIMO\_Ant2\_5825





1.267 11AC40MIMO\_Ant1\_5190





1.268 11AC40MIMO\_Ant2\_5190



1.269 11AC40MIMO\_Ant1\_5230





1.270 11AC40MIMO\_Ant2\_5230



1.271 11AC40MIMO\_Ant1\_5270



1.272 11AC40MIMO\_Ant2\_5270



1.273 11AC40MIMO\_Ant1\_5310



## 1.274 11AC40MIMO\_Ant2\_5310







1.275 11AC40MIMO\_Ant1\_5510



1.276 11AC40MIMO\_Ant2\_5510



1.277 11AC40MIMO\_Ant1\_5550





1.278 11AC40MIMO\_Ant2\_5550



1.279 11AC40MIMO\_Ant1\_5630





1.280 11AC40MIMO\_Ant2\_5630





1.281 11AC40MIMO\_Ant1\_5670





1.282 11AC40MIMO\_Ant2\_5670





1.283 11AC40MIMO\_Ant1\_5755



1.284 11AC40MIMO\_Ant2\_5755





1.285 11AC40MIMO\_Ant1\_5795



1.286 11AC40MIMO\_Ant2\_5795



1.287 11AC80MIMO\_Ant1\_5210





1.288 11AC80MIMO\_Ant2\_5210





1.289 11AC80MIMO\_Ant1\_5290







1.290 11AC80MIMO\_Ant2\_5290



1.291 11AC80MIMO\_Ant1\_5530



1.292 11AC80MIMO\_Ant2\_5530



1.293 11AC80MIMO\_Ant1\_5610



1.294 11AC80MIMO\_Ant2\_5610







1.295 11AC80MIMO\_Ant1\_5775



1.296 11AC80MIMO\_Ant2\_5775



1.297 11AC160MIMO\_Ant1\_5250





1.298 11AC160MIMO\_Ant2\_5250





1.299 11AC160MIMO\_Ant1\_5570







1.300 11AC160MIMO\_Ant2\_5570





# Appendix F: Frequencies Stability

## Part I - Frequency Error vs. Voltage:

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	20000	3.861004	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
	Ant2	5180	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
	Ant1	5825	NV	NT	-20000	-3.433476	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
	Ant2	5825	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS

**Part II - Frequency Error vs. Temperature:**

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	0	0	20	PASS
			NV	-20	-20000	-3.861004	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	-20000	-3.861004	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	20000	3.861004	20	PASS
	Ant2	5180	NV	-30	20000	3.861004	20	PASS
			NV	-20	20000	3.861004	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	20000	3.861004	20	PASS
			NV	10	0	0	20	PASS
			NV	20	-20000	-3.861004	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
	Ant1	5825	NV	-30	-20000	-3.433476	20	PASS



			NV	-20	-20000	-3.433476	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	-20000	-3.433476	20	PASS
	Ant2	5825	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	-20000	-3.433476	20	PASS
			NV	0	0	0	20	PASS
			NV	10	0	0	20	PASS
			NV	20	0	0	20	PASS
			NV	30	-20000	-3.433476	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS

-----The End-----