



























7. Frequency Stability

7.1. Test Results for Ant4

7.1.1. Frequency Error Vs Voltage

SCS	Bandwidth	Channel	RB Config	Modulation	Temperature	Voltage	Deviation Result		Verdict
							(Hz)	(ppm)	
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	NT	LV	-6.30	-0.001680	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	NT	NV	-1.60	-0.000427	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	NT	HV	-6.40	-0.001707	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	NT	LV	-7.70	-0.002053	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	NT	NV	-9.40	-0.002507	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	NT	HV	-10.80	-0.002880	Pass

7.1.2. Frequency Error Vs Temperature

SCS	Bandwidth	Channel	RB Config	Modulation	Temperature	Voltage	Deviation Result		Verdict
							(Hz)	(ppm)	
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	-30°C	NV	-10.60	-0.002827	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	-20°C	NV	-2.20	-0.000587	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	-10°C	NV	-3.60	-0.000960	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	0°C	NV	-5.40	-0.001440	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	10°C	NV	-6.00	-0.001600	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	20°C	NV	-6.20	-0.001653	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	30°C	NV	-4.30	-0.001147	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	40°C	NV	-0.20	-0.000053	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	50°C	NV	-3.40	-0.000907	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	-30°C	NV	-7.40	-0.001973	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	-20°C	NV	-10.80	-0.002880	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	-10°C	NV	-9.70	-0.002587	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	0°C	NV	-11.50	-0.003067	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	10°C	NV	-10.30	-0.002747	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	20°C	NV	-10.30	-0.002747	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	30°C	NV	-8.60	-0.002293	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	40°C	NV	-10.00	-0.002667	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	50°C	NV	-12.60	-0.003360	Pass

7.2. Test Results for Ant6

7.2.1. Frequency Error Vs Voltage

SCS	Bandwidth	Channel	RB Config	Modulation	Temperature	Voltage	Deviation Result		Verdict
							(Hz)	(ppm)	
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	NT	LV	-2.10	-0.000560	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	NT	NV	2.00	0.000533	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	NT	HV	-4.20	-0.001120	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	NT	LV	-7.80	-0.002080	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	NT	NV	-7.80	-0.002080	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	NT	HV	-10.60	-0.002827	Pass

7.2.2. Frequency Error Vs Temperature

SCS	Bandwidth	Channel	RB Config	Modulation	Temperature	Voltage	Deviation Result		Verdict
							(Hz)	(ppm)	
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	-30℃	NV	-7.00	-0.001867	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	-20℃	NV	-3.00	-0.000800	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	-10℃	NV	-4.10	-0.001093	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	0℃	NV	-1.80	-0.000480	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	10℃	NV	-4.00	-0.001067	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	20℃	NV	-4.70	-0.001253	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	30℃	NV	-2.50	-0.000667	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	40℃	NV	-3.50	-0.000933	Pass
15KHz	50MHz	MCH	Outer_Full	CP-QPSK	50℃	NV	-6.40	-0.001707	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	-30℃	NV	-7.70	-0.002053	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	-20℃	NV	-7.60	-0.002027	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	-10℃	NV	-9.30	-0.002480	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	0℃	NV	-9.70	-0.002587	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	10℃	NV	-5.90	-0.001573	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	20℃	NV	-6.70	-0.001787	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	30℃	NV	-7.70	-0.002053	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	40℃	NV	-8.10	-0.002160	Pass
30KHz	100MHz	MCH	Outer_Full	CP-QPSK	50℃	NV	-8.60	-0.002293	Pass

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