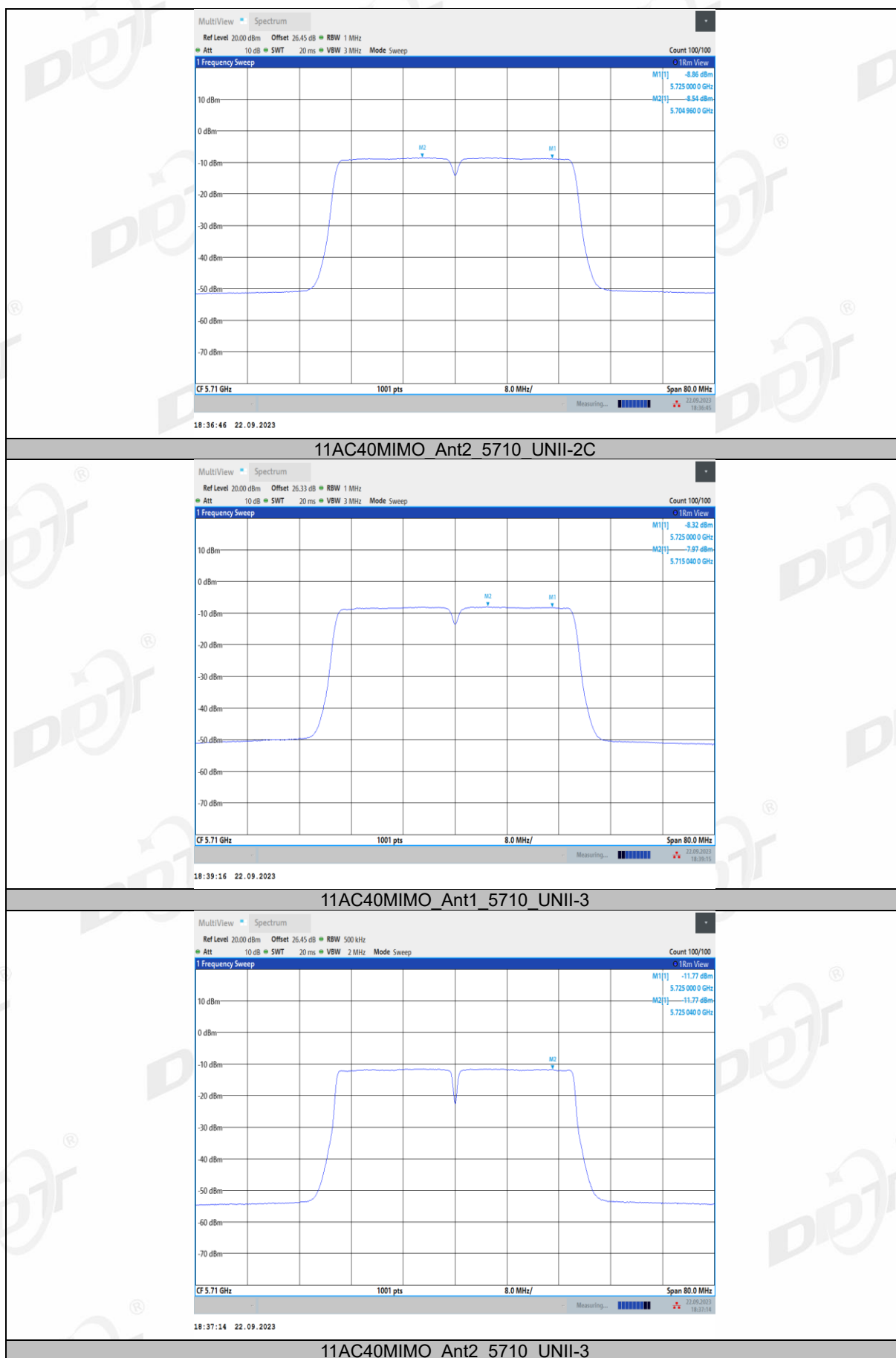
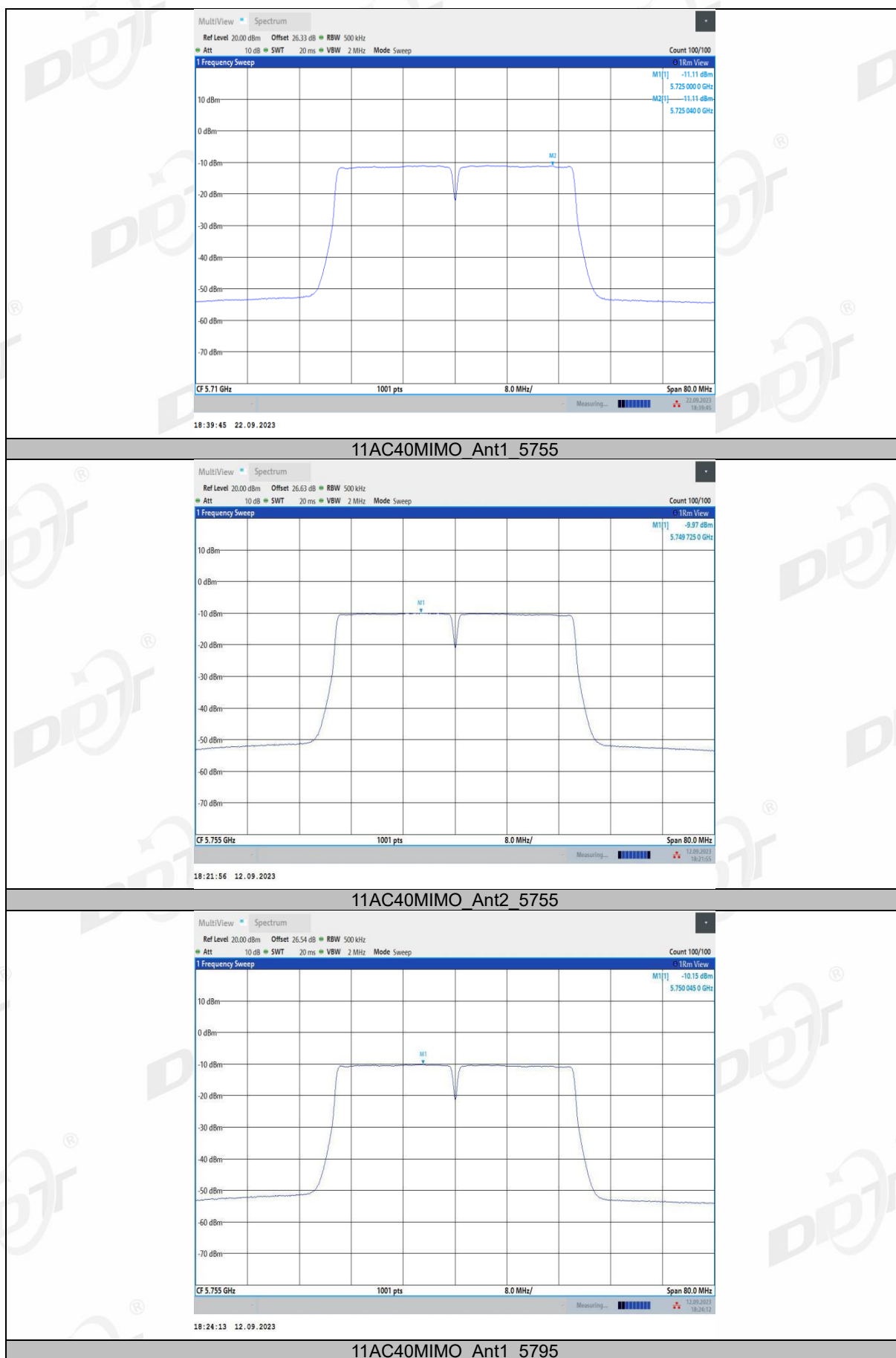
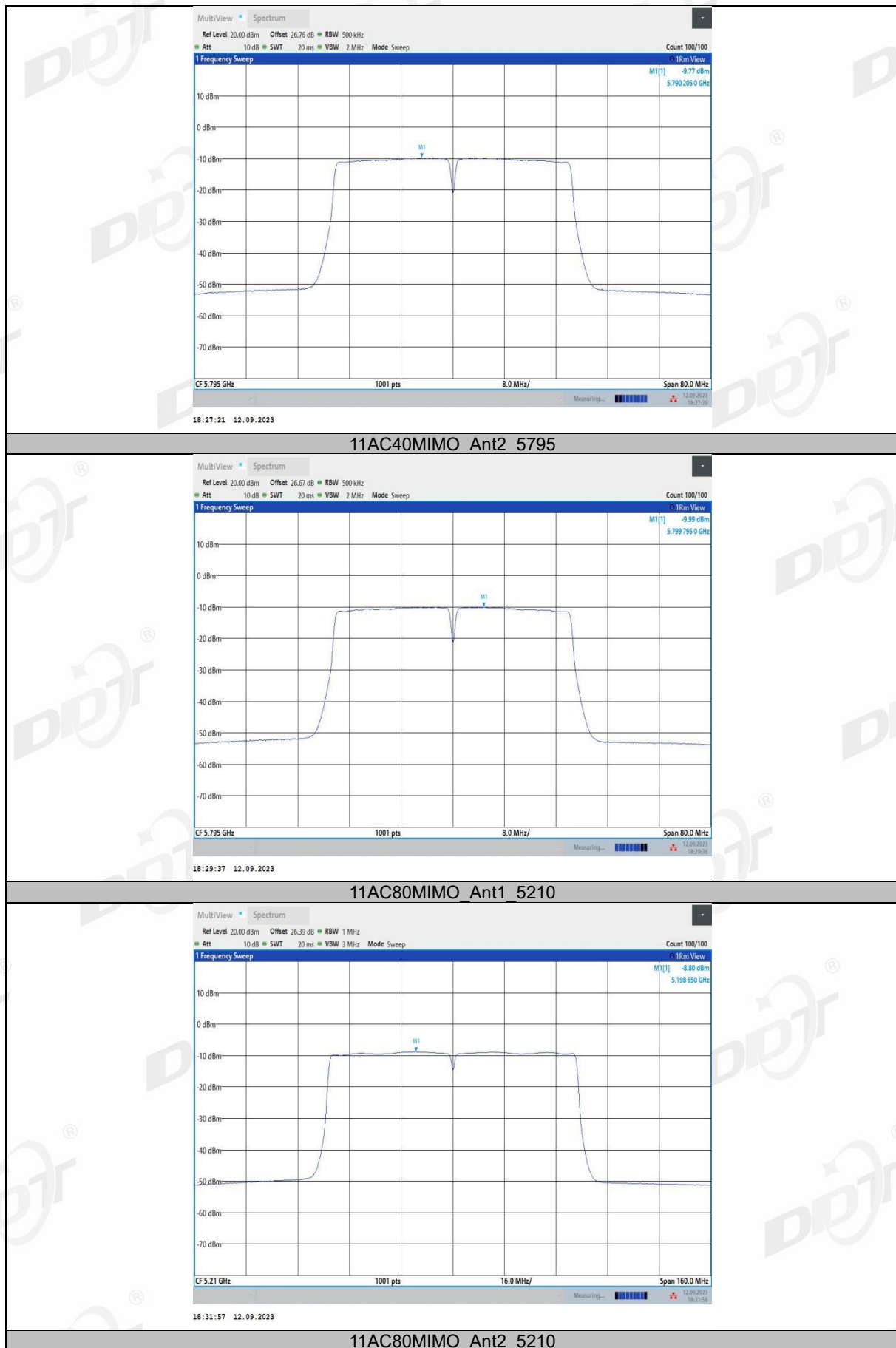
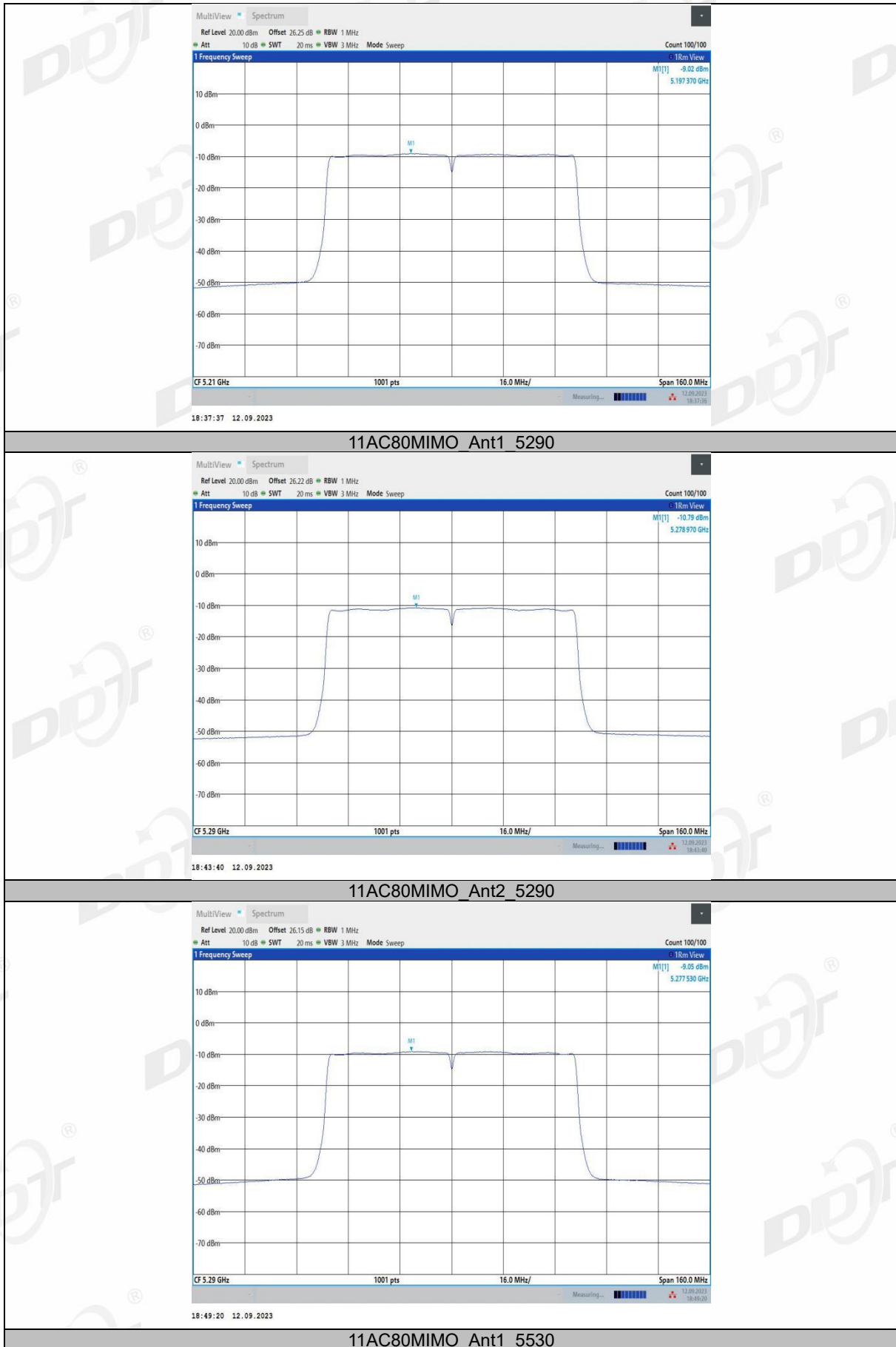


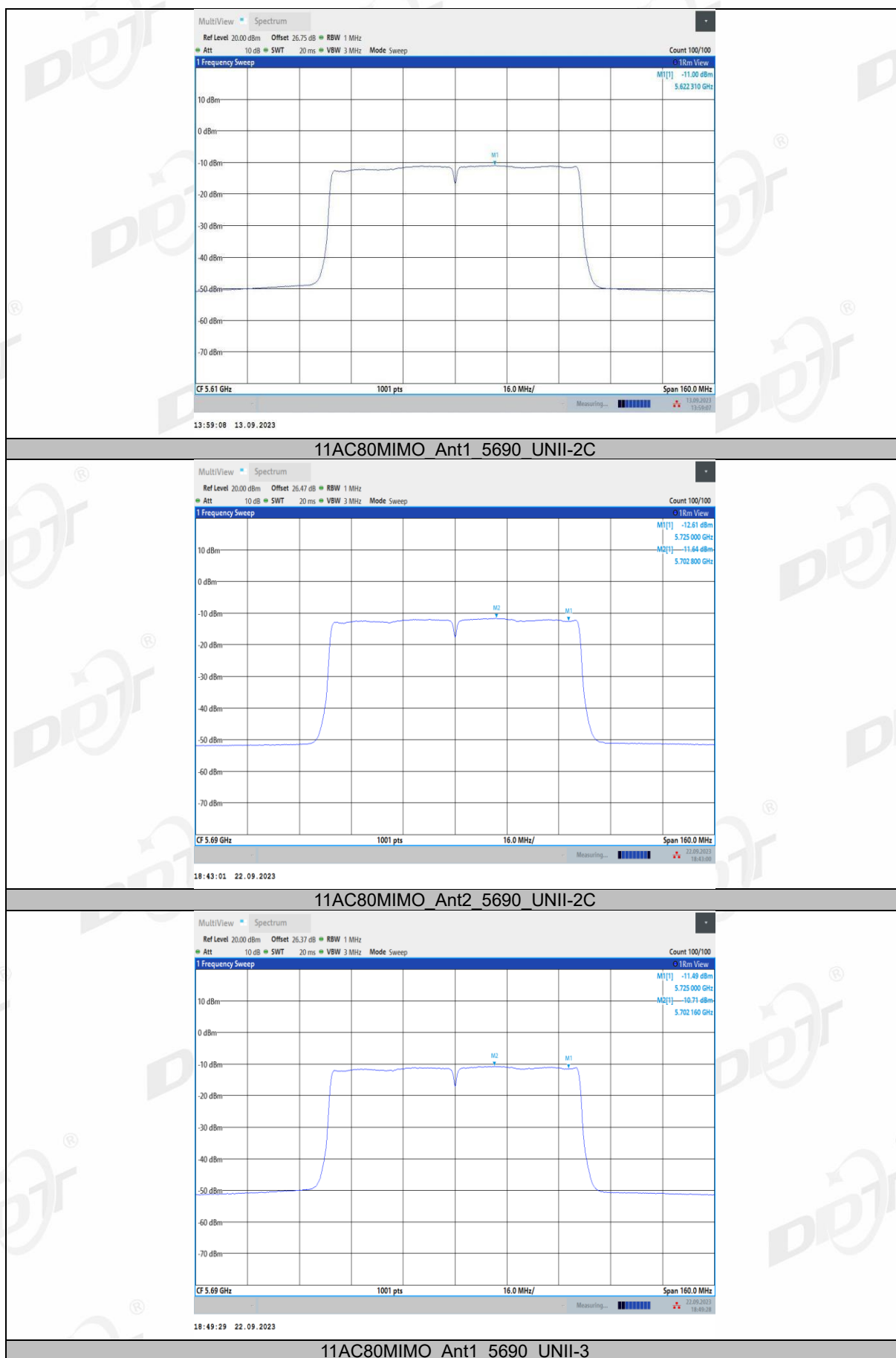


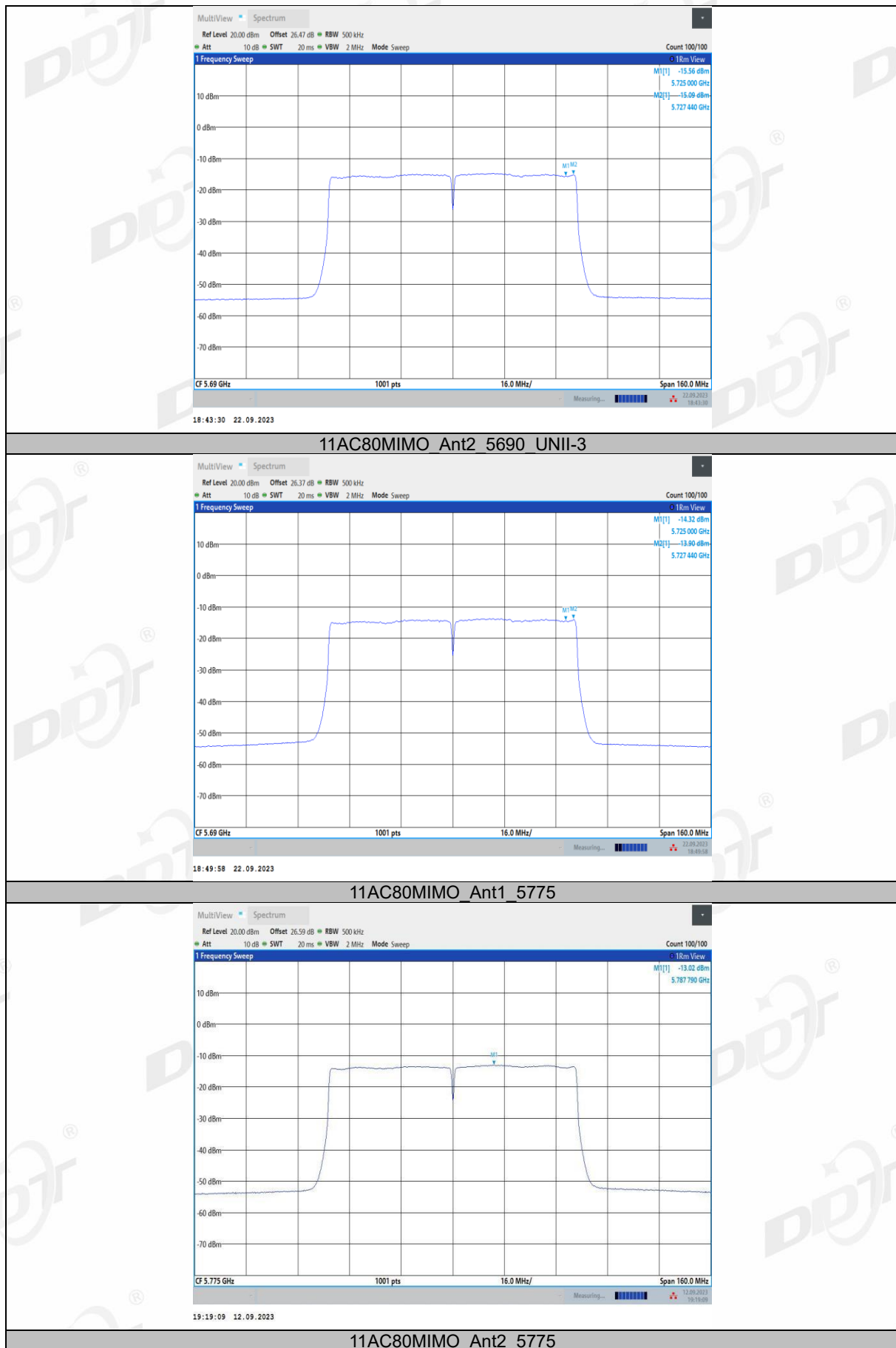


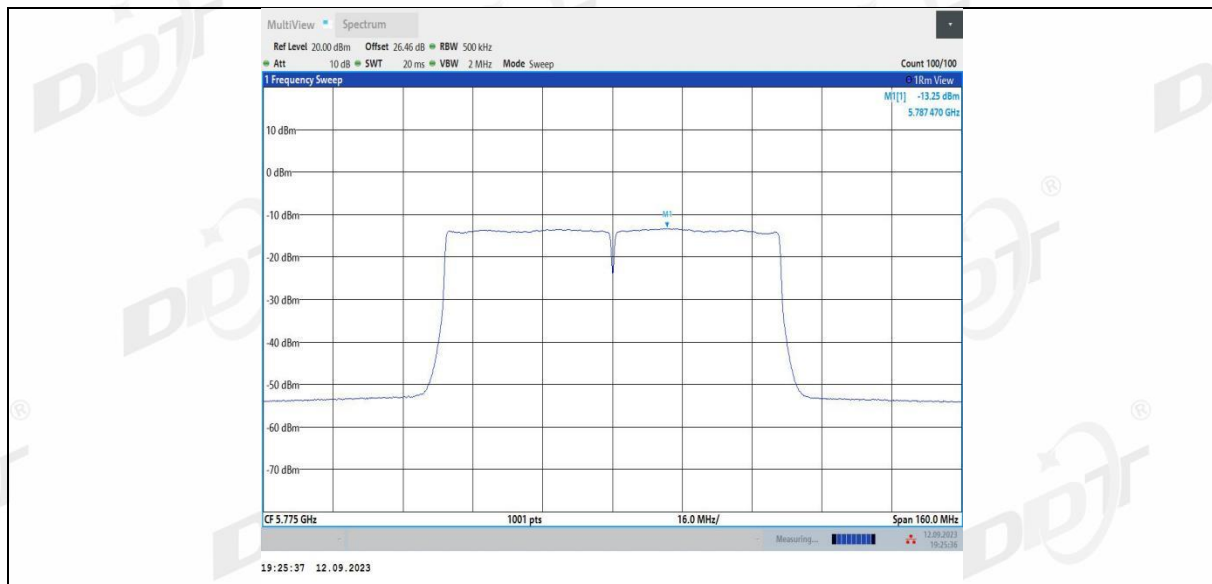












10. Frequency Stability Measurement

10.1. Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

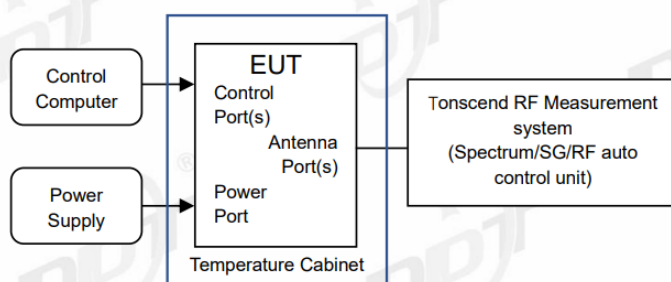
10.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

10.3. Test procedures

- (1) To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
- (2) The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10 dB lower than the measured peak value.
- (3) The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

10.4. Test setup



10.5. Test result

Voltage								
Test Mode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	- 20000.00	-3.861004	20	PASS
			LV	NT	- 20000.00	-3.861004	20	PASS
			HV	NT	- 20000.00	-3.861004	20	PASS
	Ant2	5180	NV	NT	- 20000.00	-3.861004	20	PASS
			LV	NT	- 20000.00	-3.861004	20	PASS
			HV	NT	- 20000.00	-3.861004	20	PASS
	Ant1	5200	NV	NT	- 20000.00	-3.846154	20	PASS
			LV	NT	- 20000.00	-3.846154	20	PASS
			HV	NT	- 20000.00	-3.846154	20	PASS
	Ant2	5200	NV	NT	- 20000.00	-3.846154	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5240	NV	NT	- 20000.00	-3.816794	20	PASS
			LV	NT	- 20000.00	-3.816794	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5240	NV	NT	- 20000.00	-3.816794	20	PASS
			LV	NT	- 20000.00	-3.816794	20	PASS
			HV	NT	- 20000.00	-3.816794	20	PASS
	Ant1	5260	NV	NT	- 20000.00	-3.802281	20	PASS
			LV	NT	- 20000.00	-3.802281	20	PASS
			HV	NT	- 20000.00	-3.802281	20	PASS
	Ant2	5260	NV	NT	- 20000.00	-3.802281	20	PASS
			LV	NT	- 20000.00	-3.802281	20	PASS
			HV	NT	- 20000.00	-3.802281	20	PASS
	Ant1	5280	NV	NT	- 20000.00	-3.787879	20	PASS

			LV	NT	- 20000.00	-3.787879	20	PASS
			HV	NT	0.00	0.000000	20	PASS
Ant2	5280		NV	NT	0.00	0.000000	20	PASS
			LV	NT	- 20000.00	-3.787879	20	PASS
			HV	NT	- 20000.00	-3.787879	20	PASS
			NV	NT	- 20000.00	-3.759398	20	PASS
Ant1	5320		LV	NT	- 20000.00	-3.759398	20	PASS
			HV	NT	- 20000.00	-3.759398	20	PASS
			NV	NT	- 20000.00	-3.759398	20	PASS
			LV	NT	- 20000.00	-3.759398	20	PASS
Ant2	5320		HV	NT	- 20000.00	-3.759398	20	PASS
			NV	NT	- 20000.00	-3.636364	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
Ant1	5500		NV	NT	0.00	0.000000	20	PASS
			LV	NT	- 20000.00	-3.636364	20	PASS
			HV	NT	0.00	0.000000	20	PASS
			NV	NT	0.00	0.000000	20	PASS
Ant2	5500		LV	NT	- 20000.00	-3.636364	20	PASS
			HV	NT	0.00	0.000000	20	PASS
			NV	NT	- 20000.00	-3.584229	20	PASS
			LV	NT	0.00	0.000000	20	PASS
Ant1	5580		HV	NT	- 20000.00	-3.584229	20	PASS
			NV	NT	- 20000.00	-3.584229	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
Ant2	5580		NV	NT	- 20000.00	-3.508772	20	PASS
			LV	NT	- 20000.00	-3.508772	20	PASS
			HV	NT	0.00	0.000000	20	PASS
			NV	NT	0.00	0.000000	20	PASS
Ant1	5700		LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
			NV	NT	- 20000.00	-3.496503	20	PASS
			LV	NT	- 20000.00	-3.496503	20	PASS
Ant2	5700		HV	NT	- 20000.00	-3.496503	20	PASS
			NV	NT	- 20000.00	-3.496503	20	PASS
			LV	NT	- 20000.00	-3.496503	20	PASS
			HV	NT	- 20000.00	-3.496503	20	PASS
Ant1	5720		NV	NT	- 20000.00	-3.496503	20	PASS
Ant2	5720		LV	NT	- 20000.00	-3.496503	20	PASS
			HV	NT	- 20000.00	-3.496503	20	PASS
			NV	NT	-	-3.496503	20	PASS

					20000.00			
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5745	NV	NT	- 20000.00	-3.481288	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	- 20000.00	-3.481288	20	PASS
	Ant2	5745	NV	NT	0.00	0.000000	20	PASS
			LV	NT	- 20000.00	-3.481288	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5785	NV	NT	0.00	0.000000	20	PASS
			LV	NT	- 20000.00	-3.457217	20	PASS
			HV	NT	- 20000.00	-3.457217	20	PASS
	Ant2	5785	NV	NT	0.00	0.000000	20	PASS
			LV	NT	20000.00	3.457217	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant1	5825	NV	NT	- 20000.00	-3.433476	20	PASS
			LV	NT	- 20000.00	-3.433476	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5825	NV	NT	- 20000.00	-3.433476	20	PASS
			LV	NT	20000.00	3.433476	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11N20MIMO	Ant1	5180	NV	NT	0.00	0.000000	20	PASS
			LV	NT	20000.00	3.861004	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5180	NV	NT	20000.00	3.861004	20	PASS
			LV	NT	20000.00	3.861004	20	PASS
			HV	NT	40000.00	7.722008	20	PASS
	Ant1	5200	NV	NT	40000.00	7.692308	20	PASS
			LV	NT	20000.00	3.846154	20	PASS
			HV	NT	40000.00	7.692308	20	PASS
	Ant2	5200	NV	NT	20000.00	3.846154	20	PASS
			LV	NT	20000.00	3.846154	20	PASS
			HV	NT	40000.00	7.692308	20	PASS
	Ant1	5240	NV	NT	40000.00	7.633588	20	PASS
			LV	NT	40000.00	7.633588	20	PASS
			HV	NT	60000.00	11.450382	20	PASS
	Ant2	5240	NV	NT	40000.00	7.633588	20	PASS
			LV	NT	40000.00	7.633588	20	PASS
			HV	NT	60000.00	11.450382	20	PASS
	Ant1	5260	NV	NT	40000.00	7.604563	20	PASS
			LV	NT	40000.00	7.604563	20	PASS
			HV	NT	20000.00	3.802281	20	PASS
	Ant2	5260	NV	NT	40000.00	7.604563	20	PASS

			LV	NT	40000.00	7.604563	20	PASS
			HV	NT	40000.00	7.604563	20	PASS
			NV	NT	40000.00	7.575758	20	PASS
Ant1	5280		LV	NT	40000.00	7.575758	20	PASS
			HV	NT	40000.00	7.575758	20	PASS
			NV	NT	40000.00	7.575758	20	PASS
Ant2	5280		NV	NT	40000.00	7.575758	20	PASS
			LV	NT	20000.00	3.787879	20	PASS
			HV	NT	20000.00	3.787879	20	PASS
Ant1	5320		NV	NT	40000.00	7.518797	20	PASS
			LV	NT	40000.00	7.518797	20	PASS
			HV	NT	40000.00	7.518797	20	PASS
Ant2	5320		NV	NT	40000.00	7.518797	20	PASS
			LV	NT	40000.00	7.518797	20	PASS
			HV	NT	40000.00	7.518797	20	PASS
Ant1	5500		NV	NT	20000.00	3.636364	20	PASS
			LV	NT	40000.00	7.272727	20	PASS
			HV	NT	40000.00	7.272727	20	PASS
Ant2	5500		NV	NT	40000.00	7.272727	20	PASS
			LV	NT	40000.00	7.272727	20	PASS
			HV	NT	40000.00	7.272727	20	PASS
Ant1	5580		NV	NT	40000.00	7.168459	20	PASS
			LV	NT	40000.00	7.168459	20	PASS
			HV	NT	60000.00	10.752688	20	PASS
Ant2	5580		NV	NT	40000.00	7.168459	20	PASS
			LV	NT	40000.00	7.168459	20	PASS
			HV	NT	60000.00	10.752688	20	PASS
Ant1	5700		NV	NT	60000.00	10.526316	20	PASS
			LV	NT	40000.00	7.017544	20	PASS
			HV	NT	40000.00	7.017544	20	PASS
Ant2	5700		NV	NT	40000.00	7.017544	20	PASS
			LV	NT	60000.00	10.526316	20	PASS
			HV	NT	40000.00	7.017544	20	PASS
Ant1	5720		NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
Ant2	5720		NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
Ant1	5745		NV	NT	40000.00	6.962576	20	PASS
			LV	NT	40000.00	6.962576	20	PASS
			HV	NT	40000.00	6.962576	20	PASS
Ant2	5745		NV	NT	40000.00	6.962576	20	PASS
			LV	NT	40000.00	6.962576	20	PASS
			HV	NT	60000.00	10.443864	20	PASS
Ant1	5785		NV	NT	20000.00	3.457217	20	PASS
			LV	NT	40000.00	6.914434	20	PASS
			HV	NT	40000.00	6.914434	20	PASS
Ant2	5785		NV	NT	40000.00	6.914434	20	PASS
			LV	NT	60000.00	10.371651	20	PASS
			HV	NT	60000.00	10.371651	20	PASS
Ant1	5825		NV	NT	40000.00	6.866953	20	PASS

	Ant2	5825	LV	NT	40000.00	6.866953	20	PASS
			HV	NT	40000.00	6.866953	20	PASS
			NV	NT	60000.00	10.300429	20	PASS
			LV	NT	40000.00	6.866953	20	PASS
			HV	NT	40000.00	6.866953	20	PASS
11N40MIMO	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
	Ant2	5190	NV	NT	40000.00	7.707129	20	PASS
			LV	NT	40000.00	7.707129	20	PASS
			HV	NT	40000.00	7.707129	20	PASS
	Ant1	5230	NV	NT	40000.00	7.648184	20	PASS
			LV	NT	40000.00	7.648184	20	PASS
			HV	NT	40000.00	7.648184	20	PASS
	Ant2	5230	NV	NT	40000.00	7.648184	20	PASS
			LV	NT	40000.00	7.648184	20	PASS
			HV	NT	40000.00	7.648184	20	PASS
	Ant1	5270	NV	NT	40000.00	7.590133	20	PASS
			LV	NT	40000.00	7.590133	20	PASS
			HV	NT	40000.00	7.590133	20	PASS
	Ant2	5270	NV	NT	40000.00	7.590133	20	PASS
			LV	NT	40000.00	7.590133	20	PASS
			HV	NT	40000.00	7.590133	20	PASS
	Ant1	5310	NV	NT	40000.00	7.532957	20	PASS
			LV	NT	40000.00	7.532957	20	PASS
			HV	NT	40000.00	7.532957	20	PASS
	Ant2	5310	NV	NT	40000.00	7.532957	20	PASS
			LV	NT	40000.00	7.532957	20	PASS
			HV	NT	40000.00	7.532957	20	PASS
	Ant1	5510	NV	NT	40000.00	7.259528	20	PASS
			LV	NT	40000.00	7.259528	20	PASS
			HV	NT	40000.00	7.259528	20	PASS
	Ant2	5510	NV	NT	40000.00	7.259528	20	PASS
			LV	NT	40000.00	7.259528	20	PASS
			HV	NT	40000.00	7.259528	20	PASS
	Ant1	5550	NV	NT	40000.00	7.207207	20	PASS
			LV	NT	40000.00	7.207207	20	PASS
			HV	NT	40000.00	7.207207	20	PASS
	Ant2	5550	NV	NT	40000.00	7.207207	20	PASS
			LV	NT	40000.00	7.207207	20	PASS
			HV	NT	40000.00	7.207207	20	PASS
	Ant1	5670	NV	NT	40000.00	7.054674	20	PASS
			LV	NT	40000.00	7.054674	20	PASS
			HV	NT	40000.00	7.054674	20	PASS
	Ant2	5670	NV	NT	40000.00	7.054674	20	PASS
			LV	NT	40000.00	7.054674	20	PASS
			HV	NT	40000.00	7.054674	20	PASS
	Ant1	5710	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	40000.00	7.005254	20	PASS
	Ant2	5710	NV	NT	40000.00	7.005254	20	PASS

			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
			NV	NT	40000.00	6.950478	20	PASS
	Ant1	5755	LV	NT	40000.00	6.950478	20	PASS
			HV	NT	40000.00	6.950478	20	PASS
			NV	NT	40000.00	6.950478	20	PASS
	Ant2	5755	LV	NT	40000.00	6.950478	20	PASS
			HV	NT	40000.00	6.950478	20	PASS
			NV	NT	40000.00	6.950478	20	PASS
	Ant1	5795	LV	NT	40000.00	6.902502	20	PASS
			HV	NT	40000.00	6.902502	20	PASS
			NV	NT	40000.00	6.902502	20	PASS
	Ant2	5795	LV	NT	40000.00	6.902502	20	PASS
			HV	NT	40000.00	6.902502	20	PASS
			NV	NT	40000.00	6.902502	20	PASS
11AC20MIMO	Ant1	5785	LV	NT	20000.00	3.457217	20	PASS
			HV	NT	20000.00	3.457217	20	PASS
			NV	NT	40000.00	6.914434	20	PASS
	Ant2	5785	LV	NT	20000.00	3.457217	20	PASS
			HV	NT	20000.00	3.457217	20	PASS
			NV	NT	40000.00	6.914434	20	PASS
11AC80MIMO	Ant1	5210	LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
			NV	NT	80000.00	15.355086	20	PASS
	Ant2	5210	LV	NT	80000.00	15.355086	20	PASS
			HV	NT	80000.00	15.355086	20	PASS
			NV	NT	80000.00	15.355086	20	PASS
	Ant1	5290	LV	NT	80000.00	15.122873	20	PASS
			HV	NT	80000.00	15.122873	20	PASS
			NV	NT	80000.00	15.122873	20	PASS
	Ant2	5290	LV	NT	80000.00	15.122873	20	PASS
			HV	NT	80000.00	15.122873	20	PASS
			NV	NT	80000.00	15.122873	20	PASS
	Ant1	5530	LV	NT	80000.00	14.466546	20	PASS
			HV	NT	80000.00	14.466546	20	PASS
			NV	NT	80000.00	14.466546	20	PASS
	Ant2	5530	LV	NT	80000.00	14.466546	20	PASS
			HV	NT	80000.00	14.466546	20	PASS
			NV	NT	80000.00	14.466546	20	PASS
	Ant1	5610	LV	NT	80000.00	14.260250	20	PASS
			HV	NT	80000.00	14.260250	20	PASS
			NV	NT	80000.00	14.260250	20	PASS
	Ant2	5610	LV	NT	80000.00	14.260250	20	PASS
			HV	NT	80000.00	14.260250	20	PASS
			NV	NT	80000.00	14.260250	20	PASS
	Ant1	5690	LV	NT	80000.00	14.059754	20	PASS
			HV	NT	0.00	0.000000	20	PASS
			NV	NT	0.00	0.000000	20	PASS
	Ant2	5690	LV	NT	80000.00	14.059754	20	PASS
			HV	NT	80000.00	14.059754	20	PASS
			NV	NT	80000.00	14.059754	20	PASS
	Ant1	5775	NV	NT	80000.00	13.852814	20	PASS

	Ant2	5775	LV	NT	80000.00	13.852814	20	PASS
			HV	NT	80000.00	13.852814	20	PASS
			NV	NT	80000.00	13.852814	20	PASS
			LV	NT	80000.00	13.852814	20	PASS
			HV	NT	80000.00	13.852814	20	PASS

Temperature								
Test Mode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	- 20000.00	-3.861004	20	PASS
			NV	-20	- 20000.00	-3.861004	20	PASS
			NV	-10	- 20000.00	-3.861004	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	- 20000.00	-3.861004	20	PASS
			NV	20	- 20000.00	-3.861004	20	PASS
			NV	30	- 20000.00	-3.861004	20	PASS
			NV	40	- 20000.00	-3.861004	20	PASS
			NV	50	- 20000.00	-3.861004	20	PASS
	Ant2	5180	NV	-30	- 20000.00	-3.861004	20	PASS
			NV	-20	- 20000.00	-3.861004	20	PASS
			NV	-10	- 20000.00	-3.861004	20	PASS
			NV	0	- 20000.00	-3.861004	20	PASS
			NV	10	- 20000.00	-3.861004	20	PASS
			NV	20	- 20000.00	-3.861004	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	- 20000.00	-3.861004	20	PASS
			NV	50	- 20000.00	-3.861004	20	PASS
	Ant1	5200	NV	-30	- 20000.00	-3.846154	20	PASS
			NV	-20	- 20000.00	-3.846154	20	PASS
			NV	-10	- 20000.00	-3.846154	20	PASS
			NV	0	- 20000.00	-3.846154	20	PASS
			NV	10	-	-3.846154	20	PASS

					20000.00			
			NV	20	- 20000.00	-3.846154	20	PASS
			NV	30	- 20000.00	-3.846154	20	PASS
			NV	40	- 20000.00	-3.846154	20	PASS
			NV	50	- 20000.00	-3.846154	20	PASS
	Ant2	5200	NV	-30	- 20000.00	-3.846154	20	PASS
			NV	-20	- 20000.00	-3.846154	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	- 20000.00	-3.846154	20	PASS
			NV	10	- 20000.00	-3.846154	20	PASS
			NV	20	- 20000.00	-3.846154	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	- 20000.00	-3.846154	20	PASS
			NV	50	- 20000.00	-3.846154	20	PASS
	Ant1	5240	NV	-30	- 20000.00	-3.816794	20	PASS
			NV	-20	- 20000.00	-3.816794	20	PASS
			NV	-10	- 20000.00	-3.816794	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	- 20000.00	-3.816794	20	PASS
			NV	20	- 20000.00	-3.816794	20	PASS
			NV	30	- 20000.00	-3.816794	20	PASS
			NV	40	- 20000.00	-3.816794	20	PASS
			NV	50	- 20000.00	-3.816794	20	PASS
	Ant2	5240	NV	-30	- 20000.00	-3.816794	20	PASS
			NV	-20	- 20000.00	-3.816794	20	PASS
			NV	-10	- 20000.00	-3.816794	20	PASS
			NV	0	- 20000.00	-3.816794	20	PASS
			NV	10	- 20000.00	-3.816794	20	PASS

			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-	-3.816794	20	PASS
			NV	50	20000.00	0.000000	20	PASS
	Ant1	5260	NV	-30	-	-3.802281	20	PASS
			NV	-20	-	-3.802281	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-	-3.802281	20	PASS
			NV	10	-	-3.802281	20	PASS
			NV	20	-	-3.802281	20	PASS
			NV	30	-	-3.802281	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-	-3.802281	20	PASS
			NV	-30	-	-3.802281	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
	Ant2	5260	NV	0	-	-3.802281	20	PASS
			NV	10	-	-3.802281	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	-	-3.802281	20	PASS
			NV	40	-	-3.802281	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5280	NV	-30	-	-3.787879	20	PASS
			NV	-20	-	-3.787879	20	PASS
			NV	-10	-	-3.787879	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-	-3.787879	20	PASS
			NV	20	-	-3.787879	20	PASS
			NV	30	-	-3.787879	20	PASS
			NV	40	-	-3.787879	20	PASS
			NV	50	-	-3.787879	20	PASS

	Ant2	5280	NV	-30	- 20000.00	-3.787879	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	- 20000.00	-3.787879	20	PASS
			NV	0	- 20000.00	-3.787879	20	PASS
			NV	10	- 20000.00	-3.787879	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	- 20000.00	-3.787879	20	PASS
			NV	40	- 20000.00	-3.787879	20	PASS
			NV	50	- 20000.00	-3.787879	20	PASS
	Ant1	5320	NV	-30	- 20000.00	-3.759398	20	PASS
			NV	-20	- 20000.00	-3.759398	20	PASS
			NV	-10	- 20000.00	-3.759398	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	- 20000.00	-3.759398	20	PASS
			NV	20	- 20000.00	-3.759398	20	PASS
			NV	30	- 20000.00	-3.759398	20	PASS
			NV	40	- 20000.00	-3.759398	20	PASS
			NV	50	- 20000.00	-3.759398	20	PASS
	Ant2	5320	NV	-30	- 20000.00	-3.759398	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	- 20000.00	-3.759398	20	PASS
			NV	10	- 20000.00	-3.759398	20	PASS
			NV	20	- 20000.00	-3.759398	20	PASS
			NV	30	- 20000.00	-3.759398	20	PASS
			NV	40	- 20000.00	-3.759398	20	PASS
			NV	50	- 20000.00	-3.759398	20	PASS
	Ant1	5500	NV	-30	0.00	0.000000	20	PASS
			NV	-20	- 20000.00	-3.636364	20	PASS

			NV	-10	- 20000.00	-3.636364	20	PASS
			NV	0	- 20000.00	-3.636364	20	PASS
			NV	10	- 20000.00	-3.636364	20	PASS
			NV	20	- 20000.00	-3.636364	20	PASS
			NV	30	- 20000.00	-3.636364	20	PASS
			NV	40	- 20000.00	-3.636364	20	PASS
			NV	50	- 20000.00	-3.636364	20	PASS
	Ant2	5500	NV	-30	20000.00	3.636364	20	PASS
			NV	-20	- 20000.00	-3.636364	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	- 20000.00	-3.636364	20	PASS
			NV	30	- 20000.00	-3.636364	20	PASS
			NV	40	- 20000.00	-3.636364	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5580	NV	-30	- 20000.00	-3.584229	20	PASS
			NV	-20	- 20000.00	-3.584229	20	PASS
			NV	-10	- 20000.00	-3.584229	20	PASS
			NV	0	- 20000.00	-3.584229	20	PASS
			NV	10	- 20000.00	-3.584229	20	PASS
			NV	20	- 20000.00	-3.584229	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	- 20000.00	-3.584229	20	PASS
			NV	50	- 20000.00	-3.584229	20	PASS
	Ant2	5580	NV	-30	- 20000.00	-3.584229	20	PASS
			NV	-20	- 20000.00	-3.584229	20	PASS
			NV	-10	- 20000.00	-3.584229	20	PASS
			NV	0	- 20000.00	-3.584229	20	PASS

			NV	10	- 20000.00	-3.584229	20	PASS
			NV	20	- 20000.00	-3.584229	20	PASS
			NV	30	- 20000.00	-3.584229	20	PASS
			NV	40	- 20000.00	-3.584229	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5700	NV	-30	- 20000.00	-3.508772	20	PASS
			NV	-20	- 20000.00	-3.508772	20	PASS
			NV	-10	- 20000.00	-3.508772	20	PASS
			NV	0	- 20000.00	-3.508772	20	PASS
			NV	10	- 20000.00	-3.508772	20	PASS
			NV	20	- 20000.00	-3.508772	20	PASS
			NV	30	- 20000.00	-3.508772	20	PASS
			NV	40	- 20000.00	-3.508772	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant2	5700	NV	-30	- 20000.00	-3.508772	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	- 20000.00	-3.508772	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	- 20000.00	-3.508772	20	PASS
	Ant1	5720	NV	50	- 20000.00	-3.508772	20	PASS
			NV	-30	- 20000.00	-3.496503	20	PASS
			NV	-20	- 20000.00	-3.496503	20	PASS
			NV	-10	- 20000.00	-3.496503	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	- 20000.00	-3.496503	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	- 20000.00	-3.496503	20	PASS

	Ant2	5720	NV	50	- 20000.00	-3.496503	20	PASS
			NV	-30	0.00	0.000000	20	PASS
			NV	-20	- 20000.00	-3.496503	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	20000.00	3.496503	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	- 20000.00	-3.496503	20	PASS
			NV	30	20000.00	3.496503	20	PASS
			NV	40	- 20000.00	-3.496503	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5745	NV	-30	- 20000.00	-3.481288	20	PASS
			NV	-20	- 20000.00	-3.481288	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	- 20000.00	-3.481288	20	PASS
			NV	10	- 20000.00	-3.481288	20	PASS
			NV	20	- 20000.00	-3.481288	20	PASS
			NV	30	- 20000.00	-3.481288	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	- 20000.00	-3.481288	20	PASS
	Ant2	5745	NV	-30	0.00	0.000000	20	PASS
			NV	-20	- 20000.00	-3.481288	20	PASS
			NV	-10	- 20000.00	-3.481288	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	- 20000.00	-3.481288	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	- 20000.00	-3.481288	20	PASS
			NV	50	- 20000.00	-3.481288	20	PASS
	Ant1	5785	NV	-30	- 20000.00	-3.457217	20	PASS
			NV	-20	- 20000.00	-3.457217	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	- 20000.00	-3.457217	20	PASS

			NV	20	- 20000.00	-3.457217	20	PASS
			NV	30	- 20000.00	-3.457217	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	- 20000.00	-3.457217	20	PASS
	Ant2	5785	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	- 20000.00	-3.457217	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	- 20000.00	-3.457217	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	- 20000.00	-3.457217	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	- 20000.00	-3.457217	20	PASS
	Ant1	5825	NV	-30	- 20000.00	-3.433476	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	- 20000.00	-3.433476	20	PASS
			NV	10	- 20000.00	-3.433476	20	PASS
			NV	20	- 20000.00	-3.433476	20	PASS
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			NV	40	- 20000.00	-3.433476	20	PASS
			NV	50	- 20000.00	-3.433476	20	PASS
	Ant2	5825	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	- 20000.00	-3.433476	20	PASS
			NV	10	- 20000.00	-3.433476	20	PASS
			NV	20	- 20000.00	-3.433476	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	- 20000.00	-3.433476	20	PASS
11N20MIMO	Ant1	5180	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	20000.00	3.861004	20	PASS

			NV	0	20000.00	3.861004	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	20000.00	3.861004	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	20000.00	3.861004	20	PASS
	Ant2	5180	NV	-30	20000.00	3.861004	20	PASS
			NV	-20	20000.00	3.861004	20	PASS
			NV	-10	60000.00	11.583012	20	PASS
			NV	0	40000.00	7.722008	20	PASS
			NV	10	20000.00	3.861004	20	PASS
			NV	20	20000.00	3.861004	20	PASS
	Ant1	5200	NV	30	40000.00	7.722008	20	PASS
			NV	40	20000.00	3.861004	20	PASS
			NV	50	20000.00	3.861004	20	PASS
			NV	-30	40000.00	7.692308	20	PASS
			NV	-20	40000.00	7.692308	20	PASS
			NV	-10	20000.00	3.846154	20	PASS
	Ant2	5200	NV	0	40000.00	7.692308	20	PASS
			NV	10	20000.00	3.846154	20	PASS
			NV	20	40000.00	7.692308	20	PASS
			NV	30	40000.00	7.692308	20	PASS
			NV	40	40000.00	7.692308	20	PASS
			NV	50	40000.00	7.692308	20	PASS
	Ant1	5240	NV	-30	40000.00	7.692308	20	PASS
			NV	-20	40000.00	7.692308	20	PASS
			NV	-10	40000.00	7.692308	20	PASS
			NV	0	40000.00	7.692308	20	PASS
			NV	10	40000.00	3.846154	20	PASS
			NV	20	20000.00	3.846154	20	PASS
	Ant2	5240	NV	30	40000.00	7.692308	20	PASS
			NV	40	40000.00	7.692308	20	PASS
			NV	50	40000.00	7.692308	20	PASS
			NV	-30	40000.00	7.633588	20	PASS
			NV	-20	40000.00	7.633588	20	PASS
			NV	-10	40000.00	7.633588	20	PASS
	Ant1	5240	NV	0	40000.00	7.633588	20	PASS
			NV	10	40000.00	7.633588	20	PASS
			NV	20	40000.00	7.633588	20	PASS
			NV	30	40000.00	7.633588	20	PASS
			NV	40	60000.00	11.450382	20	PASS
			NV	50	40000.00	7.633588	20	PASS
	Ant2	5240	NV	-30	40000.00	7.633588	20	PASS
			NV	-20	40000.00	7.633588	20	PASS
			NV	-10	40000.00	7.633588	20	PASS
			NV	0	60000.00	11.450382	20	PASS
			NV	10	40000.00	7.633588	20	PASS
			NV	20	40000.00	7.633588	20	PASS
	Ant1	5240	NV	30	40000.00	7.633588	20	PASS
			NV	40	40000.00	7.633588	20	PASS
			NV	50	40000.00	7.633588	20	PASS
			NV	-30	40000.00	7.633588	20	PASS
			NV	-20	40000.00	7.633588	20	PASS
			NV	-10	40000.00	7.633588	20	PASS

	Ant1	5260	NV	-30	40000.00	7.604563	20	PASS
			NV	-20	40000.00	7.604563	20	PASS
			NV	-10	40000.00	7.604563	20	PASS
			NV	0	40000.00	7.604563	20	PASS
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			NV	20	40000.00	7.604563	20	PASS
			NV	30	40000.00	7.604563	20	PASS
			NV	40	40000.00	7.604563	20	PASS
			NV	50	40000.00	7.604563	20	PASS
	Ant2	5260	NV	-30	40000.00	7.604563	20	PASS
			NV	-20	40000.00	7.604563	20	PASS
			NV	-10	40000.00	7.604563	20	PASS
			NV	0	20000.00	3.802281	20	PASS
			NV	10	40000.00	7.604563	20	PASS
			NV	20	60000.00	11.406844	20	PASS
			NV	30	40000.00	7.604563	20	PASS
			NV	40	20000.00	3.802281	20	PASS
			NV	50	40000.00	7.604563	20	PASS
	Ant1	5280	NV	-30	40000.00	7.575758	20	PASS
			NV	-20	40000.00	7.575758	20	PASS
			NV	-10	20000.00	3.787879	20	PASS
			NV	0	40000.00	7.575758	20	PASS
			NV	10	20000.00	3.787879	20	PASS
			NV	20	40000.00	7.575758	20	PASS
			NV	30	40000.00	7.575758	20	PASS
			NV	40	40000.00	7.575758	20	PASS
			NV	50	40000.00	7.575758	20	PASS
	Ant2	5280	NV	-30	40000.00	7.575758	20	PASS
			NV	-20	40000.00	7.575758	20	PASS
			NV	-10	60000.00	11.363636	20	PASS
			NV	0	40000.00	7.575758	20	PASS
			NV	10	40000.00	7.575758	20	PASS
			NV	20	40000.00	7.575758	20	PASS
			NV	30	40000.00	7.575758	20	PASS
			NV	40	40000.00	7.575758	20	PASS
			NV	50	60000.00	11.363636	20	PASS
	Ant1	5320	NV	-30	40000.00	7.518797	20	PASS
			NV	-20	40000.00	7.518797	20	PASS
			NV	-10	40000.00	7.518797	20	PASS
			NV	0	40000.00	7.518797	20	PASS
			NV	10	40000.00	7.518797	20	PASS
			NV	20	40000.00	7.518797	20	PASS
			NV	30	60000.00	11.278195	20	PASS
			NV	40	40000.00	7.518797	20	PASS
			NV	50	40000.00	7.518797	20	PASS
	Ant2	5320	NV	-30	40000.00	7.518797	20	PASS
			NV	-20	60000.00	11.278195	20	PASS
			NV	-10	40000.00	7.518797	20	PASS
			NV	0	60000.00	11.278195	20	PASS
			NV	10	40000.00	7.518797	20	PASS
			NV	20	60000.00	11.278195	20	PASS

			NV	30	40000.00	7.518797	20	PASS
			NV	40	40000.00	7.518797	20	PASS
			NV	50	40000.00	7.518797	20	PASS
	Ant1	5500	NV	-30	40000.00	7.272727	20	PASS
			NV	-20	40000.00	7.272727	20	PASS
			NV	-10	40000.00	7.272727	20	PASS
			NV	0	40000.00	7.272727	20	PASS
			NV	10	40000.00	7.272727	20	PASS
			NV	20	40000.00	7.272727	20	PASS
			NV	30	40000.00	7.272727	20	PASS
			NV	40	40000.00	7.272727	20	PASS
			NV	50	40000.00	7.272727	20	PASS
	Ant2	5500	NV	-30	40000.00	7.272727	20	PASS
			NV	-20	40000.00	7.272727	20	PASS
			NV	-10	40000.00	7.272727	20	PASS
			NV	0	40000.00	7.272727	20	PASS
			NV	10	40000.00	7.272727	20	PASS
			NV	20	60000.00	10.909091	20	PASS
			NV	30	40000.00	7.272727	20	PASS
			NV	40	40000.00	7.272727	20	PASS
			NV	50	20000.00	3.636364	20	PASS
	Ant1	5580	NV	-30	40000.00	7.168459	20	PASS
			NV	-20	60000.00	10.752688	20	PASS
			NV	-10	60000.00	10.752688	20	PASS
			NV	0	40000.00	7.168459	20	PASS
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			NV	30	40000.00	7.168459	20	PASS
			NV	40	40000.00	7.168459	20	PASS
			NV	50	60000.00	10.752688	20	PASS
	Ant2	5580	NV	-30	40000.00	7.168459	20	PASS
			NV	-20	40000.00	7.168459	20	PASS
			NV	-10	40000.00	7.168459	20	PASS
			NV	0	40000.00	7.168459	20	PASS
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			NV	30	40000.00	7.168459	20	PASS
			NV	40	40000.00	7.168459	20	PASS
			NV	50	40000.00	7.168459	20	PASS
	Ant1	5700	NV	-30	60000.00	10.526316	20	PASS
			NV	-20	40000.00	7.017544	20	PASS
			NV	-10	20000.00	3.508772	20	PASS
			NV	0	40000.00	7.017544	20	PASS
			NV	10	40000.00	7.017544	20	PASS
			NV	20	60000.00	10.526316	20	PASS
			NV	30	20000.00	3.508772	20	PASS
			NV	40	40000.00	7.017544	20	PASS
			NV	50	60000.00	10.526316	20	PASS
	Ant2	5700	NV	-30	40000.00	7.017544	20	PASS
			NV	-20	40000.00	7.017544	20	PASS
			NV	-10	40000.00	7.017544	20	PASS

			NV	0	40000.00	7.017544	20	PASS
			NV	10	40000.00	7.017544	20	PASS
			NV	20	40000.00	7.017544	20	PASS
			NV	30	40000.00	7.017544	20	PASS
			NV	40	40000.00	7.017544	20	PASS
			NV	50	40000.00	7.017544	20	PASS
	Ant1	5720	NV	-30	0.00	0.000000	20	PASS
			NV	-20	- 20000.00	-3.496503	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant2	5720	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	- 20000.00	-3.496503	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	20000.00	3.496503	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
	Ant1	5745	NV	-30	40000.00	6.962576	20	PASS
			NV	-20	40000.00	6.962576	20	PASS
			NV	-10	40000.00	6.962576	20	PASS
			NV	0	20000.00	3.481288	20	PASS
			NV	10	40000.00	6.962576	20	PASS
			NV	20	60000.00	10.443864	20	PASS
			NV	30	40000.00	6.962576	20	PASS
			NV	40	60000.00	10.443864	20	PASS
	Ant2	5745	NV	50	40000.00	6.962576	20	PASS
			NV	-30	40000.00	6.962576	20	PASS
			NV	-20	40000.00	6.962576	20	PASS
			NV	-10	60000.00	10.443864	20	PASS
			NV	0	40000.00	6.962576	20	PASS
			NV	10	60000.00	10.443864	20	PASS
			NV	20	60000.00	10.443864	20	PASS
			NV	30	40000.00	6.962576	20	PASS
			NV	40	40000.00	6.962576	20	PASS
			NV	50	40000.00	6.962576	20	PASS
	Ant1	5785	NV	-30	40000.00	6.914434	20	PASS
			NV	-20	40000.00	6.914434	20	PASS
			NV	-10	40000.00	6.914434	20	PASS
			NV	0	40000.00	6.914434	20	PASS
			NV	10	60000.00	10.371651	20	PASS
			NV	20	40000.00	6.914434	20	PASS
			NV	30	60000.00	10.371651	20	PASS