

----- The following blanks -----

**9. OUTPUT POWER**

**9.1. LIMITS**

The FCC 15.407(a),The maximum conducted output power should not exceed:

Band	EUT Type	Limit
U-NII-1	Outdoor Access Point	1W(30dBm) (Max. e.i.r.p $\leq$ 125mW at any elevation angle above 30 degrees as measured from the horizon)
	Indoor Access Point	1W(30dBm)
	Fixed point-to-point Access Point	1W(30dBm)
	Mobile and Portable Client Device	250mW(23.98dBm)
U-NII-2A	All Device	250mW(23.98dBm) or 11dBm+10 log B*,Which is lesser. (B is 26dB Bandwidth in MHz)
U-NII-2C	All Device	250mW(23.98dBm) or 11dBm+10 log B*,Which is lesser. (B is 26dB Bandwidth in MHz)
U-NII-3	All Device	1W(30dBm)

Note:

The EUT is indoor access point.

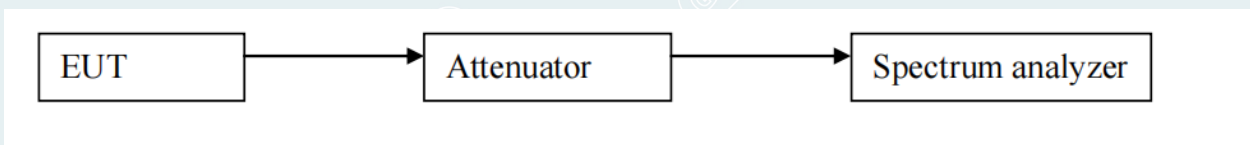
The U-NII-2A minimum 26dB bandwidth is 21.108MHz

The U-NII-2C minimum 26dB bandwidth is 21.24MHz

**9.2. TEST PROCEDURES**

- 1) The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 2) Set to the maximum power setting and enable the EUT transmit continuously.
- 3) Measure the conducted average output power and record the results in the test report.

**9.3. TEST SETUP**



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## 9.4. TEST RESULTS

<b>Environmental Conditions</b>	20.9°C/47%RH/101.1kPa	<b>Test Voltage</b>	AC120V/60Hz
<b>Tested By</b>	Qin Tingting	<b>Tested Date</b>	2022/12/15~2023/01/19

## BAND U-NII-1:

Mode	Frequency (MHz)	Antenna	AVG Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	9.17	0.17	9.34	30	Pass
a	5180	Ant2	8.45	0.17	8.62	30	Pass
a	5180	Ant3	8.9	0.17	9.07	30	Pass
a	5200	Ant1	8.38	0.17	8.55	30	Pass
a	5200	Ant2	8.33	0.17	8.5	30	Pass
a	5200	Ant3	8.52	0.17	8.69	30	Pass
a	5240	Ant1	8.39	0.17	8.56	30	Pass
a	5240	Ant2	8.41	0.17	8.58	30	Pass
a	5240	Ant3	9.31	0.17	9.48	30	Pass
n20	5180	Ant1	8.08	0.18	8.26	30	Pass
n20	5180	Ant2	8.97	0.18	9.15	30	Pass
n20	5180	Ant3	9.1	0.18	9.28	30	Pass
n20	5180	Sum	13.51	-	13.69	30	Pass
n20	5200	Ant1	8.27	0.18	8.45	30	Pass
n20	5200	Ant2	8.9	0.18	9.08	30	Pass
n20	5200	Ant3	8.11	0.18	8.29	30	Pass
n20	5200	Sum	13.21	-	13.39	30	Pass
n20	5240	Ant1	8.72	0.18	8.9	30	Pass
n20	5240	Ant2	8.28	0.18	8.46	30	Pass
n20	5240	Ant3	8.69	0.18	8.87	30	Pass
n20	5240	Sum	13.34	-	13.52	30	Pass
n40	5190	Ant1	6.2	0.35	6.55	30	Pass
n40	5190	Ant2	6.28	0.35	6.63	30	Pass
n40	5190	Ant3	6.07	0.36	6.43	30	Pass
n40	5190	Sum	10.96	-	11.31	30	Pass
n40	5230	Ant1	6.58	0.35	6.93	30	Pass
n40	5230	Ant2	6.36	0.36	6.72	30	Pass
n40	5230	Ant3	5.92	0.36	6.28	30	Pass
n40	5230	Sum	11.07	-	11.43	30	Pass
ac20	5180	Ant1	6.8	0.18	6.98	30	Pass
ac20	5180	Ant2	8.49	0.18	8.67	30	Pass
ac20	5180	Ant3	7.87	0.18	8.05	30	Pass
ac20	5180	Sum	12.55	-	12.73	30	Pass
ac20	5200	Ant1	7.57	0.18	7.75	30	Pass
ac20	5200	Ant2	7.63	0.18	7.81	30	Pass

ac20	5200	Ant3	8.69	0.18	8.87	30	Pass
ac20	5200	Sum	12.77	-	12.95	30	Pass
ac20	5240	Ant1	7.66	0.18	7.84	30	Pass
ac20	5240	Ant2	7.99	0.18	8.17	30	Pass
ac20	5240	Ant3	8.98	0.18	9.16	30	Pass
ac20	5240	Sum	13.02	-	13.2	30	Pass
ac40	5190	Ant1	6.05	0.36	6.41	30	Pass
ac40	5190	Ant2	6.29	0.36	6.65	30	Pass
ac40	5190	Ant3	7.24	0.36	7.6	30	Pass
ac40	5190	Sum	11.33	-	11.69	30	Pass
ac40	5230	Ant1	6.35	0.35	6.7	30	Pass
ac40	5230	Ant2	6.95	0.35	7.3	30	Pass
ac40	5230	Ant3	6.81	0.36	7.17	30	Pass
ac40	5230	Sum	11.48	-	11.84	30	Pass
ac80	5210	Ant1	3.34	0.68	4.02	30	Pass
ac80	5210	Ant2	2.95	0.69	3.64	30	Pass
ac80	5210	Ant3	3.03	0.69	3.72	30	Pass
ac80	5210	Sum	7.88	-	8.56	30	Pass
ax20	5180	Ant1	2.26	0.71	2.97	30	Pass
ax20	5180	Ant2	1.92	0.71	2.63	30	Pass
ax20	5180	Ant3	1.97	0.71	2.68	30	Pass
ax20	5180	Sum	6.82	-	7.53	30	Pass
ax20	5200	Ant1	1.97	0.71	2.68	30	Pass
ax20	5200	Ant2	1.7	0.71	2.41	30	Pass
ax20	5200	Ant3	2.46	0.7	3.16	30	Pass
ax20	5200	Sum	6.83	-	7.53	30	Pass
ax20	5240	Ant1	2.47	0.71	3.18	30	Pass
ax20	5240	Ant2	2.89	0.71	3.6	30	Pass
ax20	5240	Ant3	2.71	0.69	3.4	30	Pass
ax20	5240	Sum	7.47	-	8.17	30	Pass
ax40	5190	Ant1	2.73	0.7	3.43	30	Pass
ax40	5190	Ant2	2.37	0.72	3.09	30	Pass
ax40	5190	Ant3	2.65	0.7	3.35	30	Pass
ax40	5190	Sum	7.35	-	8.06	30	Pass
ax40	5230	Ant1	3.04	0.7	3.74	30	Pass
ax40	5230	Ant2	2.9	0.72	3.62	30	Pass
ax40	5230	Ant3	2.87	0.72	3.59	30	Pass
ax40	5230	Sum	7.71	-	8.42	30	Pass
ax80	5210	Ant1	3.21	0.75	3.96	30	Pass
ax80	5210	Ant2	2.96	0.75	3.71	30	Pass
ax80	5210	Ant3	2.75	0.73	3.48	30	Pass
ax80	5210	Sum	7.75	-	8.49	30	Pass

**BAND U-NII-2A:**

Mode	Frequency (MHz)	Antenna	AVG Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
a	5260	Ant1	8.33	0.17	8.5	23.98	Pass
a	5260	Ant2	8.98	0.17	9.15	23.98	Pass
a	5260	Ant3	7.98	0.17	8.15	23.98	Pass
a	5280	Ant1	8.17	0.17	8.34	23.98	Pass
a	5280	Ant2	8.95	0.17	9.12	23.98	Pass
a	5280	Ant3	8.26	0.17	8.43	23.98	Pass
a	5320	Ant1	7.38	0.17	7.55	23.98	Pass
a	5320	Ant2	8.41	0.17	8.58	23.98	Pass
a	5320	Ant3	7.58	0.17	7.75	23.98	Pass
n20	5260	Ant1	7.91	0.18	8.09	23.98	Pass
n20	5260	Ant2	8.56	0.18	8.74	23.98	Pass
n20	5260	Ant3	8.11	0.18	8.29	23.98	Pass
n20	5260	Sum	12.97	-	13.15	23.98	Pass
n20	5280	Ant1	8.07	0.18	8.25	23.98	Pass
n20	5280	Ant2	8.3	0.18	8.48	23.98	Pass
n20	5280	Ant3	7.81	0.18	7.99	23.98	Pass
n20	5280	Sum	12.84	-	13.02	23.98	Pass
n20	5320	Ant1	8.13	0.18	8.31	23.98	Pass
n20	5320	Ant2	7.52	0.18	7.7	23.98	Pass
n20	5320	Ant3	8.08	0.18	8.26	23.98	Pass
n20	5320	Sum	12.69	-	12.87	23.98	Pass
n40	5270	Ant1	6.6	0.36	6.96	23.98	Pass
n40	5270	Ant2	6.67	0.36	7.03	23.98	Pass
n40	5270	Ant3	6.21	0.36	6.57	23.98	Pass
n40	5270	Sum	11.27	-	11.63	23.98	Pass
n40	5310	Ant1	6.4	0.36	6.76	23.98	Pass
n40	5310	Ant2	6.48	0.36	6.84	23.98	Pass
n40	5310	Ant3	6.6	0.36	6.96	23.98	Pass
n40	5310	Sum	11.27	-	11.63	23.98	Pass
ac20	5260	Ant1	7.8	0.18	7.98	23.98	Pass
ac20	5260	Ant2	7.84	0.18	8.02	23.98	Pass
ac20	5260	Ant3	8.52	0.18	8.7	23.98	Pass
ac20	5260	Sum	12.84	-	13.02	23.98	Pass
ac20	5280	Ant1	8.6	0.18	8.78	23.98	Pass
ac20	5280	Ant2	8.26	0.18	8.44	23.98	Pass
ac20	5280	Ant3	8.14	0.18	8.32	23.98	Pass
ac20	5280	Sum	13.11	-	<b>13.29</b>	23.98	Pass
ac20	5320	Ant1	7.6	0.18	7.78	23.98	Pass
ac20	5320	Ant2	7.81	0.18	7.99	23.98	Pass

ac20	5320	Ant3	7.64	0.18	7.82	23.98	Pass
ac20	5320	Sum	12.46	-	12.64	23.98	Pass
ac40	5270	Ant1	6.05	0.36	6.41	23.98	Pass
ac40	5270	Ant2	6.61	0.36	6.97	23.98	Pass
ac40	5270	Ant3	6.49	0.35	6.84	23.98	Pass
ac40	5270	Sum	11.16	-	11.52	23.98	Pass
ac40	5310	Ant1	6.03	0.36	6.39	23.98	Pass
ac40	5310	Ant2	6.29	0.35	6.64	23.98	Pass
ac40	5310	Ant3	6.45	0.35	6.8	23.98	Pass
ac40	5310	Sum	11.03	-	11.39	23.98	Pass
ac80	5290	Ant1	2.96	0.69	3.65	23.98	Pass
ac80	5290	Ant2	3.27	0.69	3.96	23.98	Pass
ac80	5290	Ant3	3.33	0.68	4.01	23.98	Pass
ac80	5290	Sum	7.96	-	8.65	23.98	Pass
ax20	5260	Ant1	2.82	0.69	3.51	23.98	Pass
ax20	5260	Ant2	3.09	0.71	3.8	23.98	Pass
ax20	5260	Ant3	2.34	0.71	3.05	23.98	Pass
ax20	5260	Sum	7.53	-	8.24	23.98	Pass
ax20	5280	Ant1	2.62	0.71	3.33	23.98	Pass
ax20	5280	Ant2	2.62	0.71	3.33	23.98	Pass
ax20	5280	Ant3	2.54	0.71	3.25	23.98	Pass
ax20	5280	Sum	7.36	-	8.07	23.98	Pass
ax20	5320	Ant1	2.64	0.71	3.35	23.98	Pass
ax20	5320	Ant2	2.47	0.71	3.18	23.98	Pass
ax20	5320	Ant3	2.19	0.69	2.88	23.98	Pass
ax20	5320	Sum	7.21	-	7.91	23.98	Pass
ax40	5270	Ant1	2.89	0.72	3.61	23.98	Pass
ax40	5270	Ant2	3.04	0.72	3.76	23.98	Pass
ax40	5270	Ant3	3.34	0.7	4.04	23.98	Pass
ax40	5270	Sum	7.87	-	8.58	23.98	Pass
ax40	5310	Ant1	2.83	0.72	3.55	23.98	Pass
ax40	5310	Ant2	3.01	0.72	3.73	23.98	Pass
ax40	5310	Ant3	2.76	0.72	3.48	23.98	Pass
ax40	5310	Sum	7.64	-	8.36	23.98	Pass
ax80	5290	Ant1	3.15	0.75	3.9	23.98	Pass
ax80	5290	Ant2	3.7	0.75	4.45	23.98	Pass
ax80	5290	Ant3	2.85	0.75	3.6	23.98	Pass
ax80	5290	Sum	8.02	-	8.77	23.98	Pass
ax160	5250	Ant1	3.55	0.75	4.3	23.98	Pass
ax160	5250	Ant2	3.35	0.75	4.1	23.98	Pass
ax160	5250	Ant3	4.22	0.74	4.96	23.98	Pass
ax160	5250	Sum	8.49	-	9.24	23.98	Pass

**BAND U-NII-2C:**

Mode	Frequency (MHz)	Antenna	AVG Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
a	5500	Ant1	9.18	0.17	9.35	23.98	Pass
a	5500	Ant2	8.55	0.17	8.72	23.98	Pass
a	5500	Ant3	7.4	0.17	7.57	23.98	Pass
a	5600	Ant1	8.77	0.17	8.94	23.98	Pass
a	5600	Ant2	7.76	0.17	7.93	23.98	Pass
a	5600	Ant3	8.04	0.17	8.21	23.98	Pass
a	5700	Ant1	8.32	0.17	8.49	23.98	Pass
a	5700	Ant2	7.83	0.17	8	23.98	Pass
a	5700	Ant3	8.58	0.17	8.75	23.98	Pass
n20	5500	Ant1	9.66	0.18	9.84	23.98	Pass
n20	5500	Ant2	8.49	0.18	8.67	23.98	Pass
n20	5500	Ant3	6.93	0.18	7.11	23.98	Pass
n20	5500	Sum	13.27	-	13.45	23.98	Pass
n20	5600	Ant1	8.22	0.18	8.4	23.98	Pass
n20	5600	Ant2	7.73	0.18	7.91	23.98	Pass
n20	5600	Ant3	7.89	0.18	8.07	23.98	Pass
n20	5600	Sum	12.72	-	12.9	23.98	Pass
n20	5700	Ant1	8.15	0.18	8.33	23.98	Pass
n20	5700	Ant2	8.11	0.18	8.29	23.98	Pass
n20	5700	Ant3	7.87	0.18	8.05	23.98	Pass
n20	5700	Sum	12.82	-	13	23.98	Pass
n40	5510	Ant1	7.83	0.35	8.18	23.98	Pass
n40	5510	Ant2	6.19	0.36	6.55	23.98	Pass
n40	5510	Ant3	6.59	0.36	6.95	23.98	Pass
n40	5510	Sum	11.7	-	12.05	23.98	Pass
n40	5590	Ant1	6.63	0.36	6.99	23.98	Pass
n40	5590	Ant2	5.72	0.35	6.07	23.98	Pass
n40	5590	Ant3	6.48	0.36	6.84	23.98	Pass
n40	5590	Sum	11.07	-	11.42	23.98	Pass
n40	5670	Ant1	7.38	0.36	7.74	23.98	Pass
n40	5670	Ant2	5.7	0.36	6.06	23.98	Pass
n40	5670	Ant3	6.21	0.36	6.57	23.98	Pass
n40	5670	Sum	11.26	-	11.62	23.98	Pass
ac20	5500	Ant1	8.91	0.18	9.09	23.98	Pass
ac20	5500	Ant2	8.11	0.18	8.29	23.98	Pass
ac20	5500	Ant3	7.36	0.18	7.54	23.98	Pass
ac20	5500	Sum	12.94	-	13.12	23.98	Pass
ac20	5600	Ant1	8.42	0.18	8.6	23.98	Pass
ac20	5600	Ant2	7.81	0.18	7.99	23.98	Pass
ac20	5600	Ant3	7.38	0.18	7.56	23.98	Pass



ac20	5600	Sum	12.67	-	12.85	23.98	Pass
ac20	5700	Ant1	8.31	0.18	8.49	23.98	Pass
ac20	5700	Ant2	7.71	0.18	7.89	23.98	Pass
ac20	5700	Ant3	8.62	0.18	8.8	23.98	Pass
ac20	5700	Sum	13	-	<b>13.18</b>	23.98	Pass
ac40	5510	Ant1	8.23	0.35	8.58	23.98	Pass
ac40	5510	Ant2	7.08	0.36	7.44	23.98	Pass
ac40	5510	Ant3	5.73	0.36	6.09	23.98	Pass
ac40	5510	Sum	11.9	-	12.26	23.98	Pass
ac40	5590	Ant1	7.37	0.36	7.73	23.98	Pass
ac40	5590	Ant2	5.52	0.35	5.87	23.98	Pass
ac40	5590	Ant3	6.16	0.35	6.51	23.98	Pass
ac40	5590	Sum	11.19	-	11.54	23.98	Pass
ac40	5670	Ant1	6.91	0.36	7.27	23.98	Pass
ac40	5670	Ant2	6.53	0.35	6.88	23.98	Pass
ac40	5670	Ant3	6.37	0.36	6.73	23.98	Pass
ac40	5670	Sum	11.38	-	11.74	23.98	Pass
ac80	5530	Ant1	4.54	0.68	5.22	23.98	Pass
ac80	5530	Ant2	3.79	0.69	4.48	23.98	Pass
ac80	5530	Ant3	3.09	0.68	3.77	23.98	Pass
ac80	5530	Sum	8.62	-	9.3	23.98	Pass
ac80	5610	Ant1	3.72	0.68	4.4	23.98	Pass
ac80	5610	Ant2	3.02	0.68	3.7	23.98	Pass
ac80	5610	Ant3	3.19	0.69	3.88	23.98	Pass
ac80	5610	Sum	8.09	-	8.77	23.98	Pass
ax20	5500	Ant1	3.66	0.71	4.37	23.98	Pass
ax20	5500	Ant2	2.66	0.71	3.37	23.98	Pass
ax20	5500	Ant3	1.71	0.69	2.4	23.98	Pass
ax20	5500	Sum	7.52	-	8.23	23.98	Pass
ax20	5600	Ant1	2.7	0.69	3.39	23.98	Pass
ax20	5600	Ant2	1.82	0.71	2.53	23.98	Pass
ax20	5600	Ant3	2.7	0.69	3.39	23.98	Pass
ax20	5600	Sum	7.2	-	7.89	23.98	Pass
ax20	5700	Ant1	2.74	0.71	3.45	23.98	Pass
ax20	5700	Ant2	2.05	0.71	2.76	23.98	Pass
ax20	5700	Ant3	2.17	0.69	2.86	23.98	Pass
ax20	5700	Sum	7.1	-	7.81	23.98	Pass
ax40	5510	Ant1	4.1	0.72	4.82	23.98	Pass
ax40	5510	Ant2	3.34	0.72	4.06	23.98	Pass
ax40	5510	Ant3	2.49	0.72	3.21	23.98	Pass
ax40	5510	Sum	8.13	-	8.85	23.98	Pass
ax40	5590	Ant1	3.01	0.7	3.71	23.98	Pass
ax40	5590	Ant2	2.34	0.71	3.05	23.98	Pass

ax40	5590	Ant3	3.35	0.72	4.07	23.98	Pass
ax40	5590	Sum	7.69	-	8.4	23.98	Pass
ax40	5670	Ant1	4.05	0.71	4.76	23.98	Pass
ax40	5670	Ant2	2.42	0.72	3.14	23.98	Pass
ax40	5670	Ant3	2.79	0.72	3.51	23.98	Pass
ax40	5670	Sum	7.91	-	8.63	23.98	Pass
ax80	5530	Ant1	4.28	0.75	5.03	23.98	Pass
ax80	5530	Ant2	3.11	0.75	3.86	23.98	Pass
ax80	5530	Ant3	2.97	0.75	3.72	23.98	Pass
ax80	5530	Sum	8.26	-	9.01	23.98	Pass
ax80	5610	Ant1	3.35	0.74	4.09	23.98	Pass
ax80	5610	Ant2	3.28	0.75	4.03	23.98	Pass
ax80	5610	Ant3	2.96	0.75	3.71	23.98	Pass
ax80	5610	Sum	7.97	-	8.72	23.98	Pass
ax160	5570	Ant1	4.48	0.74	5.22	23.98	Pass
ax160	5570	Ant2	3.48	0.74	4.22	23.98	Pass
ax160	5570	Ant3	3.51	0.75	4.26	23.98	Pass
ax160	5570	Sum	8.62	-	9.36	23.98	Pass

----- The following blanks -----

**BAND U-NII-3:**

Mode	Frequency (MHz)	Antenna	AVG Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
a	5745	Ant1	8.9	0.17	9.07	30	Pass
a	5745	Ant2	8.35	0.17	8.52	30	Pass
a	5745	Ant3	7.23	0.17	7.4	30	Pass
a	5785	Ant1	8.34	0.17	8.51	30	Pass
a	5785	Ant2	8.44	0.17	8.61	30	Pass
a	5785	Ant3	7.9	0.17	8.07	30	Pass
a	5825	Ant1	8.07	0.17	8.24	30	Pass
a	5825	Ant2	7.22	0.17	7.39	30	Pass
a	5825	Ant3	7.18	0.17	7.35	30	Pass
n20	5745	Ant1	8.77	0.18	8.95	30	Pass
n20	5745	Ant2	7.62	0.18	7.8	30	Pass
n20	5745	Ant3	7.77	0.18	7.95	30	Pass
n20	5745	Sum	12.85	-	13.03	30	Pass
n20	5785	Ant1	8.78	0.18	8.96	30	Pass
n20	5785	Ant2	8.21	0.18	8.39	30	Pass
n20	5785	Ant3	7.65	0.18	7.83	30	Pass
n20	5785	Sum	13.01	-	13.19	30	Pass
n20	5825	Ant1	7.97	0.18	8.15	30	Pass
n20	5825	Ant2	7.88	0.18	8.06	30	Pass
n20	5825	Ant3	7.36	0.18	7.54	30	Pass
n20	5825	Sum	12.52	-	12.7	30	Pass
n40	5755	Ant1	7.13	0.36	7.49	30	Pass
n40	5755	Ant2	6.55	0.35	6.9	30	Pass
n40	5755	Ant3	5.17	0.36	5.53	30	Pass
n40	5755	Sum	11.13	-	11.49	30	Pass
n40	5795	Ant1	7.15	0	7.15	30	Pass
n40	5795	Ant2	6.45	0	6.45	30	Pass
n40	5795	Ant3	5.34	0.36	5.7	30	Pass
n40	5795	Sum	11.14	-	11.24	30	Pass
ac20	5745	Ant1	8.02	0.18	8.2	30	Pass
ac20	5745	Ant2	7.97	0.18	8.15	30	Pass
ac20	5745	Ant3	7.32	0.18	7.5	30	Pass
ac20	5745	Sum	12.56	-	12.74	30	Pass
ac20	5785	Ant1	9.24	0.18	9.42	30	Pass
ac20	5785	Ant2	8.92	0.18	9.1	30	Pass
ac20	5785	Ant3	7.91	0.18	8.09	30	Pass
ac20	5785	Sum	13.49	-	<b>13.67</b>	30	Pass
ac20	5825	Ant1	8.35	0.18	8.53	30	Pass
ac20	5825	Ant2	7.44	0.18	7.62	30	Pass

ac20	5825	Ant3	6.97	0.18	7.15	30	Pass
ac20	5825	Sum	12.4	-	12.58	30	Pass
ac40	5755	Ant1	6.6	0.36	6.96	30	Pass
ac40	5755	Ant2	6.51	0.36	6.87	30	Pass
ac40	5755	Ant3	5.16	0.36	5.52	30	Pass
ac40	5755	Sum	10.91	-	11.27	30	Pass
ac40	5795	Ant1	7.08	0.36	7.44	30	Pass
ac40	5795	Ant2	6.36	0.36	6.72	30	Pass
ac40	5795	Ant3	5.73	0.36	6.09	30	Pass
ac40	5795	Sum	11.2	-	11.56	30	Pass
ac80	5775	Ant1	3.86	0.68	4.54	30	Pass
ac80	5775	Ant2	3.33	0.69	4.02	30	Pass
ac80	5775	Ant3	2.37	0.68	3.05	30	Pass
ac80	5775	Sum	8	-	8.69	30	Pass
ax20	5745	Ant1	2.76	0.71	3.47	30	Pass
ax20	5745	Ant2	2.33	0.71	3.04	30	Pass
ax20	5745	Ant3	1.55	0.71	2.26	30	Pass
ax20	5745	Sum	7.01	-	7.72	30	Pass
ax20	5785	Ant1	3.41	0.71	4.12	30	Pass
ax20	5785	Ant2	3.22	0.71	3.93	30	Pass
ax20	5785	Ant3	1.97	0.71	2.68	30	Pass
ax20	5785	Sum	7.69	-	8.4	30	Pass
ax20	5825	Ant1	2.51	0.71	3.22	30	Pass
ax20	5825	Ant2	1.95	0.71	2.66	30	Pass
ax20	5825	Ant3	1.37	0.71	2.08	30	Pass
ax20	5825	Sum	6.74	-	7.45	30	Pass
ax40	5755	Ant1	3.34	0.72	4.06	30	Pass
ax40	5755	Ant2	2.77	0.71	3.48	30	Pass
ax40	5755	Ant3	1.79	0.72	2.51	30	Pass
ax40	5755	Sum	7.45	-	8.17	30	Pass
ax40	5795	Ant1	3.26	0.71	3.97	30	Pass
ax40	5795	Ant2	2.88	0.72	3.6	30	Pass
ax40	5795	Ant3	2.17	0.7	2.87	30	Pass
ax40	5795	Sum	7.56	-	8.28	30	Pass
ax80	5775	Ant1	3.66	0.75	4.41	30	Pass
ax80	5775	Ant2	3.27	0.75	4.02	30	Pass
ax80	5775	Ant3	2.16	0.73	2.89	30	Pass
ax80	5775	Sum	7.85	-	8.59	30	Pass

Note: 1. This EUT supports MIMO 3X3, any transmit signals are correlated with each other,  
For power measurements on IEEE 802.11 devices,  $Array\ Gain = 0\ dB$  (i.e., no array gain) for  $N_{ANT} \leq 4$ .

**10. POWER SPECTRAL DENSITY**

**10.1. LIMITS**

FCC 15.407(a)

The maximum power spectral density should not exceed:

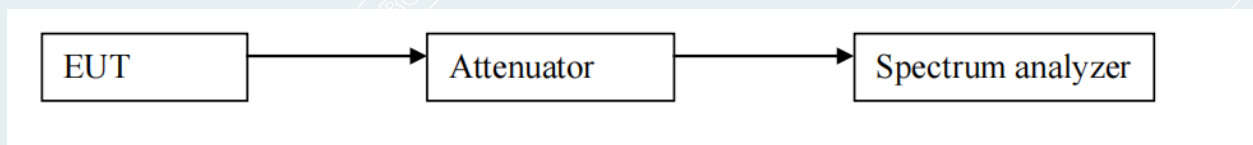
Band	EUT Type	Limit
U-NII-1	Outdoor Access Point	17dBm/MHz
	Indoor Access Point	17dBm/MHz
	Fixed point-to-point Access Point	17dBm/MHz
	Mobile and Portable Client Device	11dBm/MHz
U-NII-2A	All Device	11dBm/MHz
U-NII-2C	All Device	11dBm/MHz
U-NII-3	All Device	30dBm/500KHz

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

**10.2. TEST PROCEDURES**

Spectrum Parameters	Setting
RBW	1MHz(For U-NII-1&U-NII-2A&U-NII-2C) 500KHz(For U-NII-3)
VBW	3MHz(For U-NII-1&U-NII-2A&U-NII-2C) 2MHz(For U-NII-3)
Span	encompass the entire 26 dB EBW or 99% OBW of the signal
Sweep Time	Auto
Number of Sweep Point	$\geq 2 \times \text{SPAN} / \text{RBW}$
Detector	RMS(power averaging)
Trace Average	$\geq 100$ traces

**10.3. TEST SETUP**



----- The following blanks -----

## 10.4. TEST RESULTS

<b>Environmental Conditions</b>	20.9°C/47%RH/101.1kPa	<b>Test Voltage</b>	AC120V/60Hz
<b>Tested By</b>	Qin Tingting	<b>Tested Date</b>	2022/12/15~2023/01/19

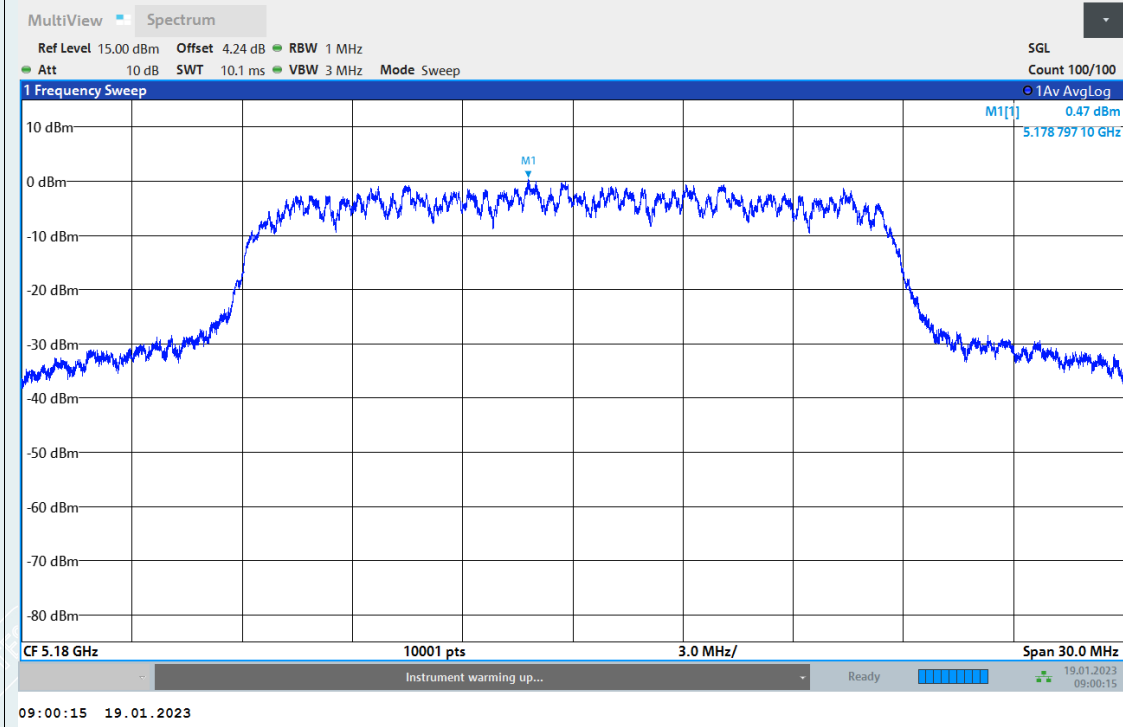
## BAND U-NII-1:

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5180	Ant1	0.47	0.17	0.64	17	Pass
a	5180	Ant2	-0.6	0.17	-0.43	17	Pass
a	5180	Ant3	-0.03	0.17	0.14	17	Pass
a	5200	Ant1	-0.11	0.17	0.06	17	Pass
a	5200	Ant2	-0.77	0.17	-0.6	17	Pass
a	5200	Ant3	-0.43	0.17	-0.26	17	Pass
a	5240	Ant1	0.21	0.17	0.38	17	Pass
a	5240	Ant2	-0.41	0.17	-0.24	17	Pass
a	5240	Ant3	0.78	0.17	0.95	17	Pass
n20	5180	Ant1	-0.75	0.18	-0.57	14.86	Pass
n20	5180	Ant2	-0.5	0.18	-0.32	14.86	Pass
n20	5180	Ant3	-0.15	0.18	0.03	14.86	Pass
n20	5180	Sum	4.31	-	4.49	14.86	Pass
n20	5200	Ant1	-0.67	0.18	-0.49	14.86	Pass
n20	5200	Ant2	-1.11	0.18	-0.93	14.86	Pass
n20	5200	Ant3	-1.53	0.18	-1.35	14.86	Pass
n20	5200	Sum	3.68	-	3.86	14.86	Pass
n20	5240	Ant1	-0.44	0.18	-0.26	14.86	Pass
n20	5240	Ant2	-0.58	0.18	-0.4	14.86	Pass
n20	5240	Ant3	-0.48	0.18	-0.3	14.86	Pass
n20	5240	Sum	4.27	-	4.45	14.86	Pass
n40	5190	Ant1	-3.89	0.35	-3.54	14.86	Pass
n40	5190	Ant2	-4.57	0.35	-4.22	14.86	Pass
n40	5190	Ant3	-5.03	0.36	-4.67	14.86	Pass
n40	5190	Sum	0.3	-	0.65	14.86	Pass
n40	5230	Ant1	-5.06	0.35	-4.71	14.86	Pass
n40	5230	Ant2	-4.85	0.36	-4.49	14.86	Pass
n40	5230	Ant3	-4.82	0.36	-4.46	14.86	Pass
n40	5230	Sum	-0.14	-	0.22	14.86	Pass
ac20	5180	Ant1	-0.76	0.18	-0.58	14.86	Pass
ac20	5180	Ant2	-1.72	0.18	-1.54	14.86	Pass
ac20	5180	Ant3	-1.01	0.18	-0.83	14.86	Pass
ac20	5180	Sum	3.63	-	3.81	14.86	Pass
ac20	5200	Ant1	-1.5	0.18	-1.32	14.86	Pass

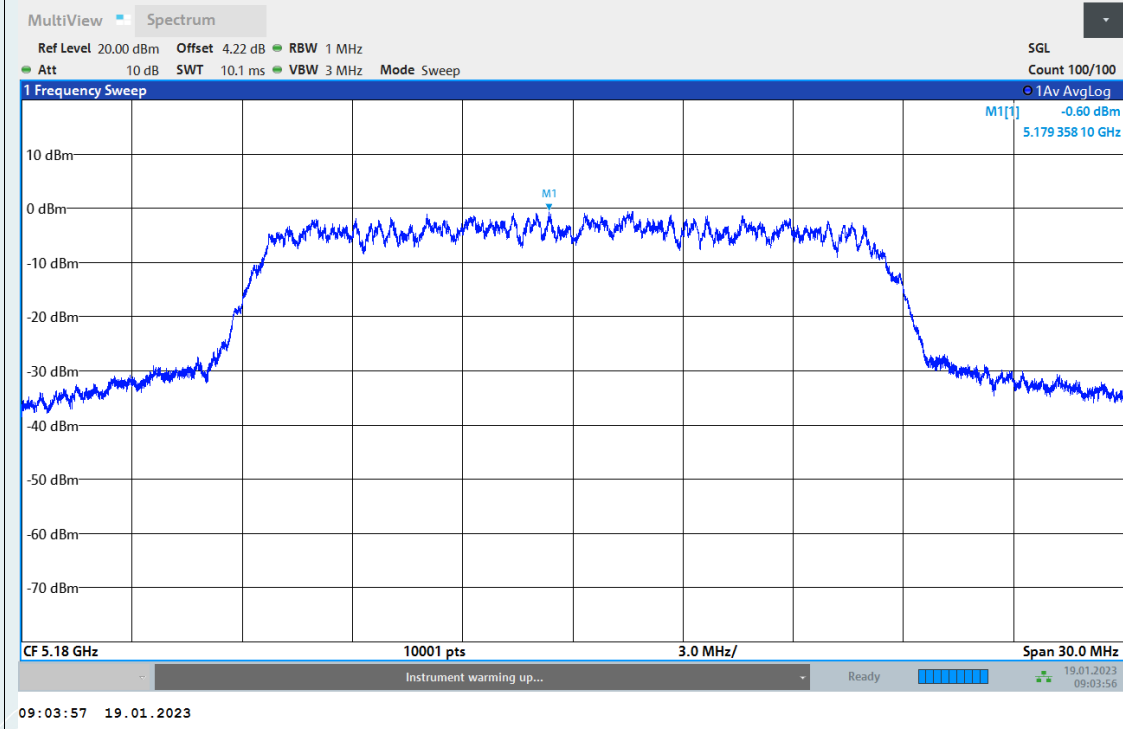
ac20	5200	Ant2	-1.05	0.18	-0.87	14.86	Pass
ac20	5200	Ant3	-0.63	0.18	-0.45	14.86	Pass
ac20	5200	Sum	3.73	-	3.91	14.86	Pass
ac20	5240	Ant1	-0.62	0.18	-0.44	14.86	Pass
ac20	5240	Ant2	-1.43	0.18	-1.25	14.86	Pass
ac20	5240	Ant3	-0.75	0.18	-0.57	14.86	Pass
ac20	5240	Sum	3.85	-	4.03	14.86	Pass
ac40	5190	Ant1	-5.32	0.36	-4.96	14.86	Pass
ac40	5190	Ant2	-5.15	0.36	-4.79	14.86	Pass
ac40	5190	Ant3	-4.66	0.36	-4.3	14.86	Pass
ac40	5190	Sum	-0.26	-	0.1	14.86	Pass
ac40	5230	Ant1	-5.29	0.35	-4.94	14.86	Pass
ac40	5230	Ant2	-4.08	0.35	-3.73	14.86	Pass
ac40	5230	Ant3	-4.66	0.36	-4.3	14.86	Pass
ac40	5230	Sum	0.12	-	0.48	14.86	Pass
ac80	5210	Ant1	-11.3	0.68	-10.62	14.86	Pass
ac80	5210	Ant2	-12.3	0.69	-11.61	14.86	Pass
ac80	5210	Ant3	-10.87	0.69	-10.18	14.86	Pass
ac80	5210	Sum	-6.68	-	-5.99	14.86	Pass
ax20	5180	Ant1	-6.91	0.71	-6.2	14.86	Pass
ax20	5180	Ant2	-7.1	0.71	-6.39	14.86	Pass
ax20	5180	Ant3	-7.89	0.71	-7.18	14.86	Pass
ax20	5180	Sum	-2.51	-	-1.8	14.86	Pass
ax20	5200	Ant1	-6.93	0.71	-6.22	14.86	Pass
ax20	5200	Ant2	-6.81	0.71	-6.1	14.86	Pass
ax20	5200	Ant3	-6.91	0.7	-6.21	14.86	Pass
ax20	5200	Sum	-2.11	-	-1.41	14.86	Pass
ax20	5240	Ant1	-5.27	0.71	-4.56	14.86	Pass
ax20	5240	Ant2	-6.2	0.71	-5.49	14.86	Pass
ax20	5240	Ant3	-5.24	0.69	-4.55	14.86	Pass
ax20	5240	Sum	-0.78	-	-0.07	14.86	Pass
ax40	5190	Ant1	-7.7	0.7	-7	14.86	Pass
ax40	5190	Ant2	-8.71	0.72	-7.99	14.86	Pass
ax40	5190	Ant3	-8.6	0.7	-7.9	14.86	Pass
ax40	5190	Sum	-3.54	-	-2.84	14.86	Pass
ax40	5230	Ant1	-8.27	0.7	-7.57	14.86	Pass
ax40	5230	Ant2	-7.76	0.72	-7.04	14.86	Pass
ax40	5230	Ant3	-8.85	0.72	-8.13	14.86	Pass
ax40	5230	Sum	-3.5	-	-2.79	14.86	Pass
ax80	5210	Ant1	-13.18	0.75	-12.43	14.86	Pass
ax80	5210	Ant2	-12.51	0.75	-11.76	14.86	Pass
ax80	5210	Ant3	-12.71	0.73	-11.98	14.86	Pass
ax80	5210	Sum	-8.02	-	-7.28	14.86	Pass

### Test Graphs

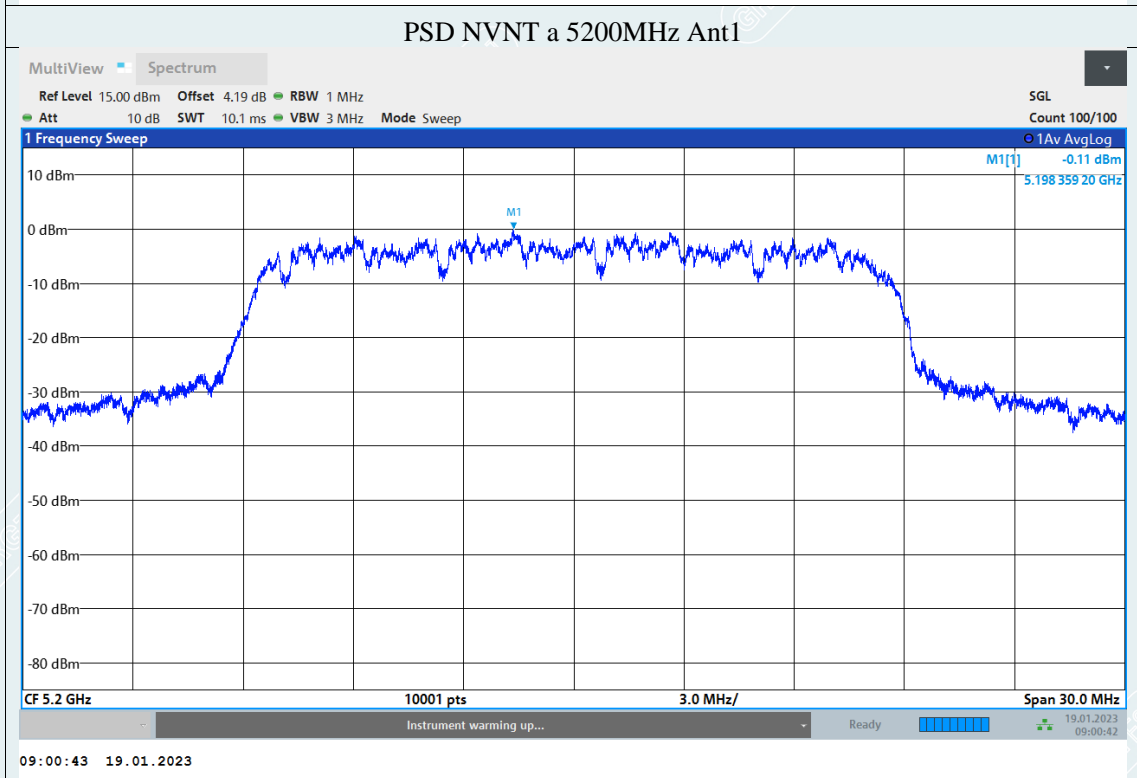
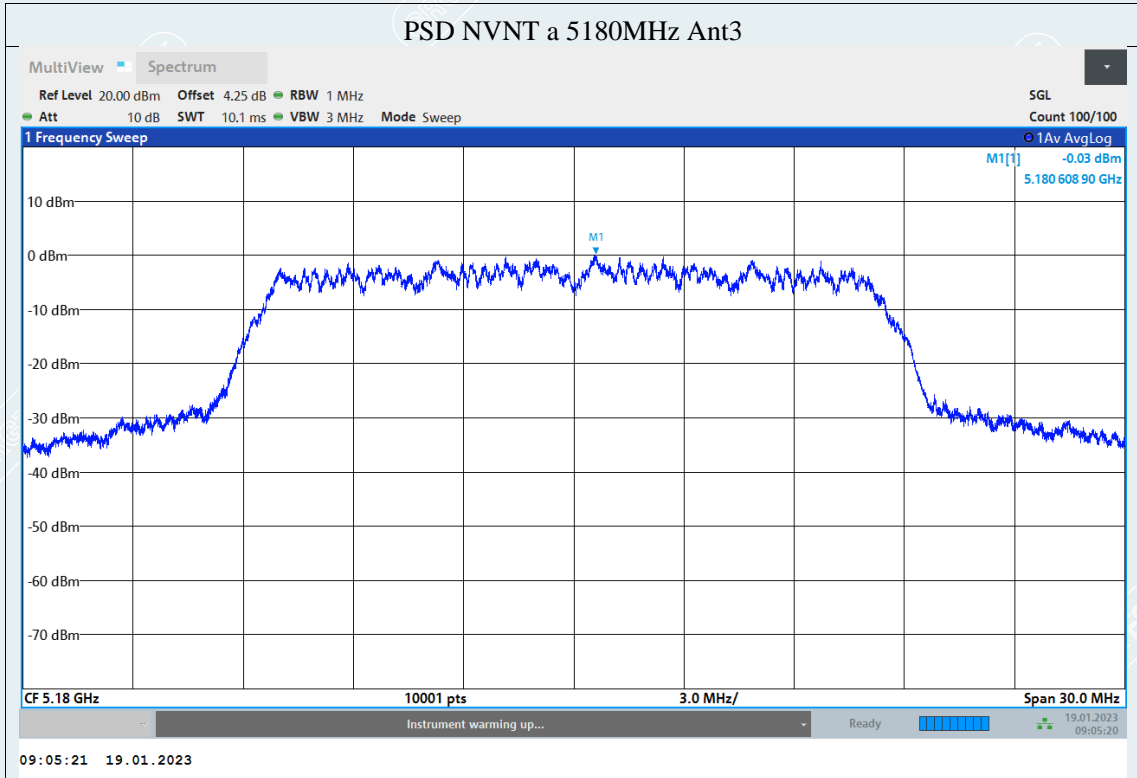
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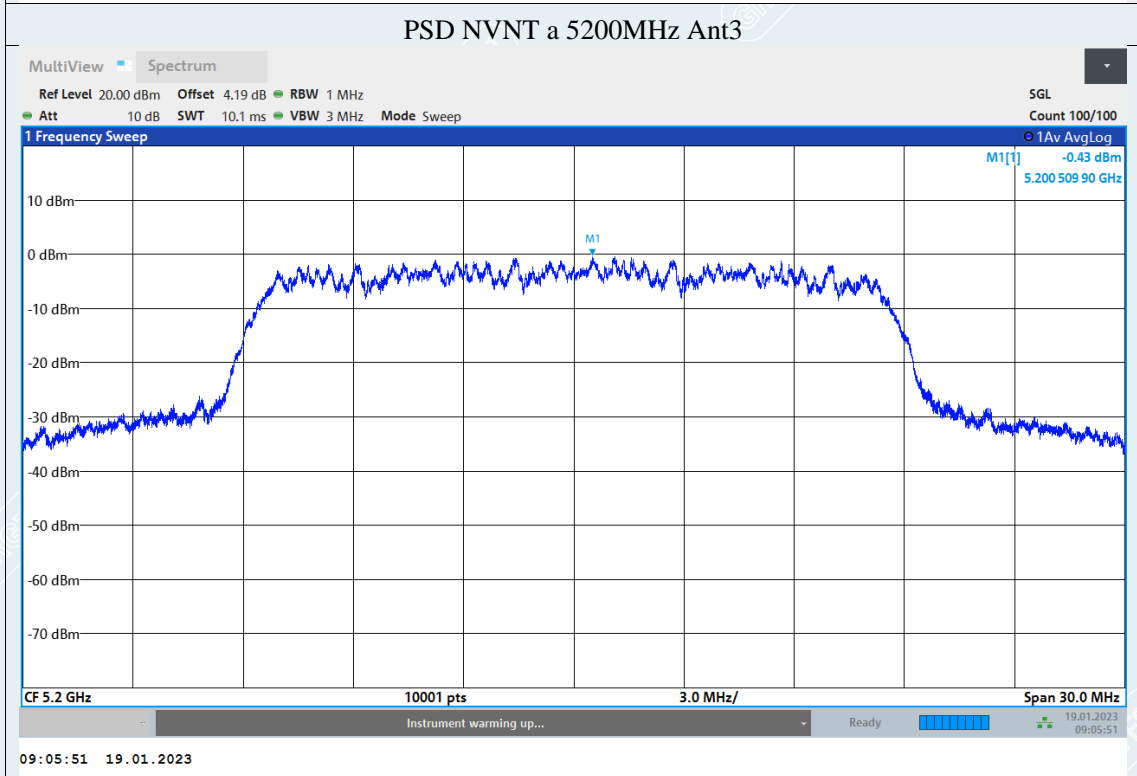
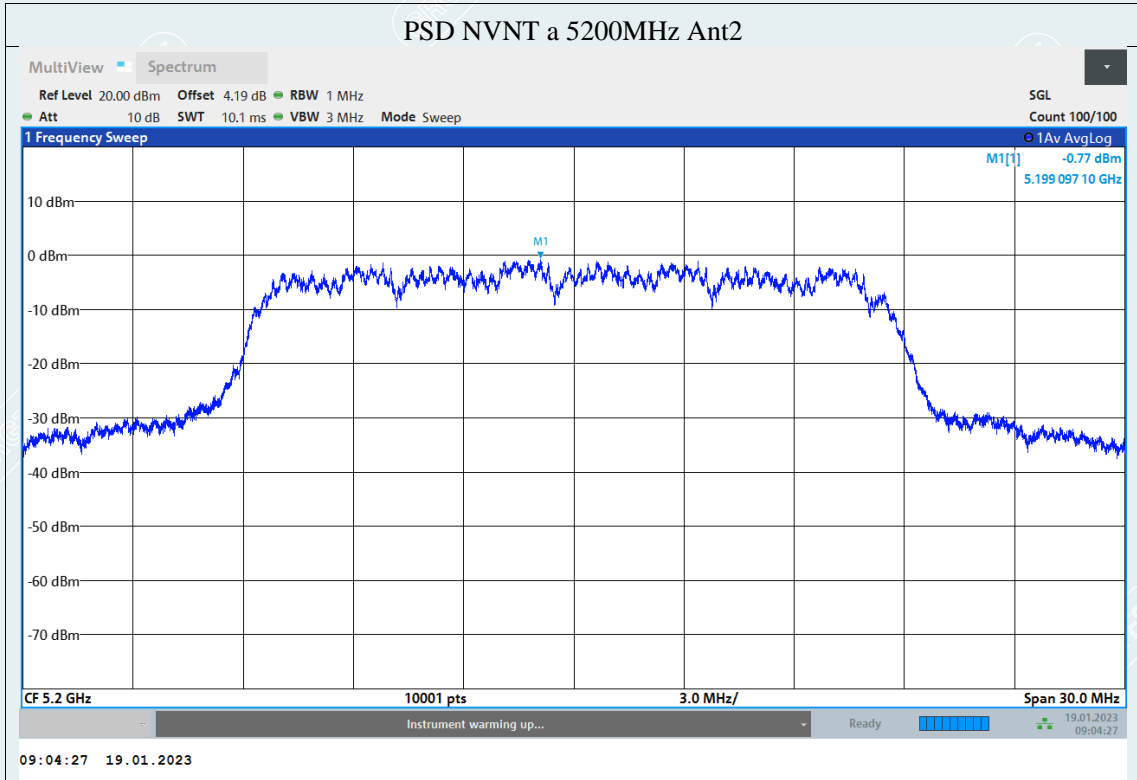


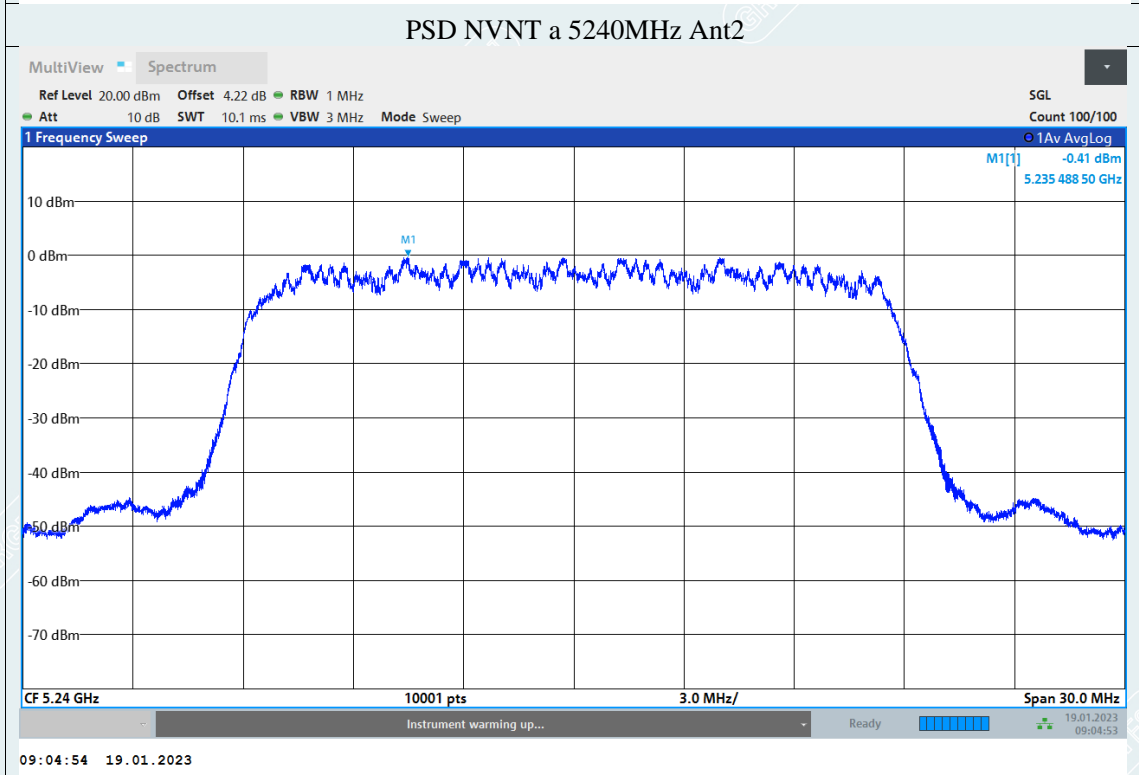
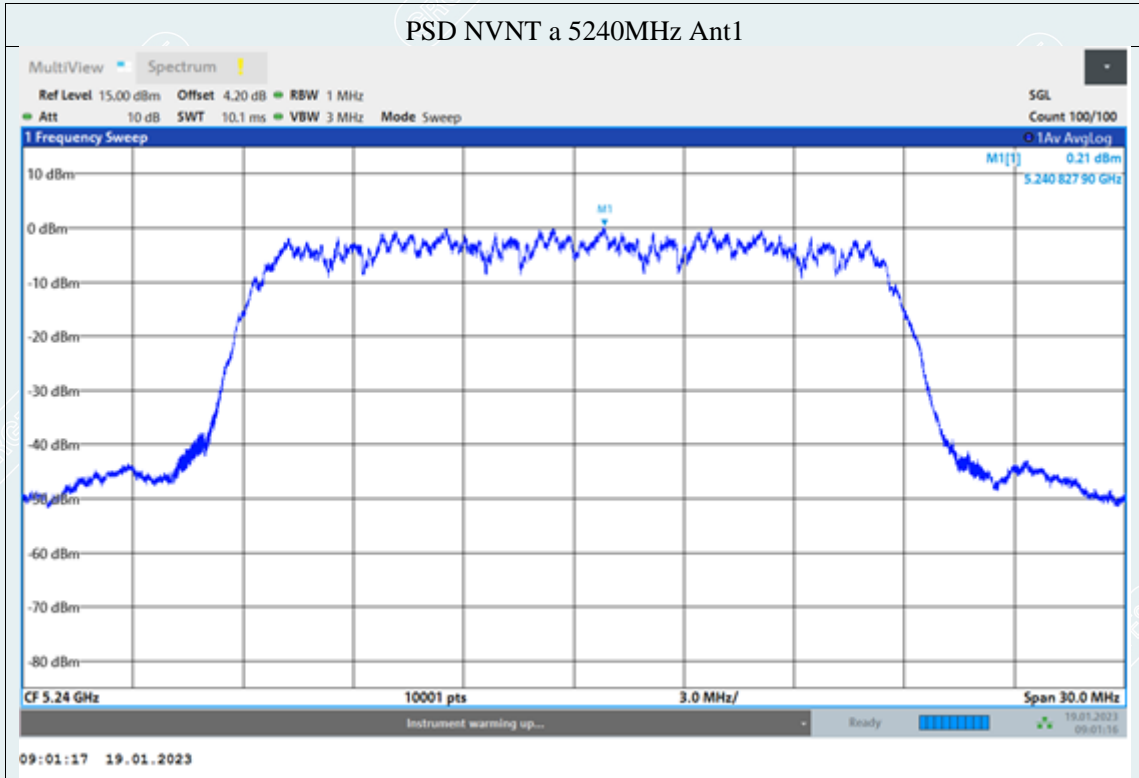
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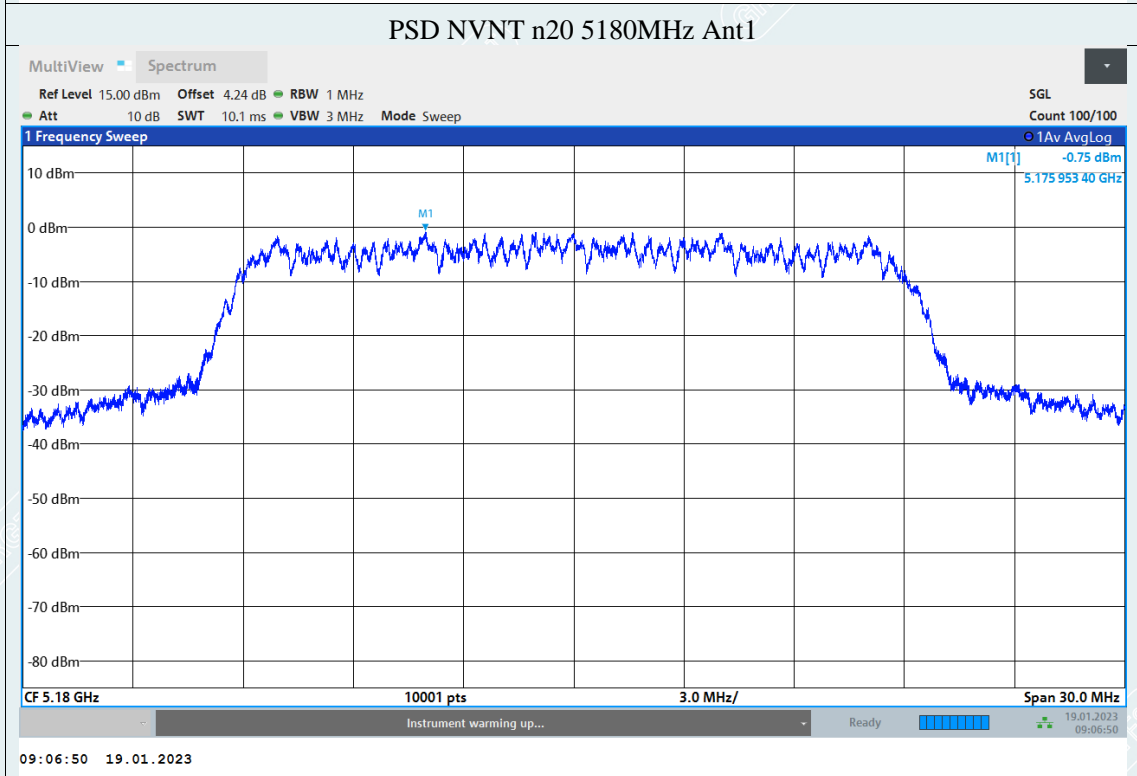
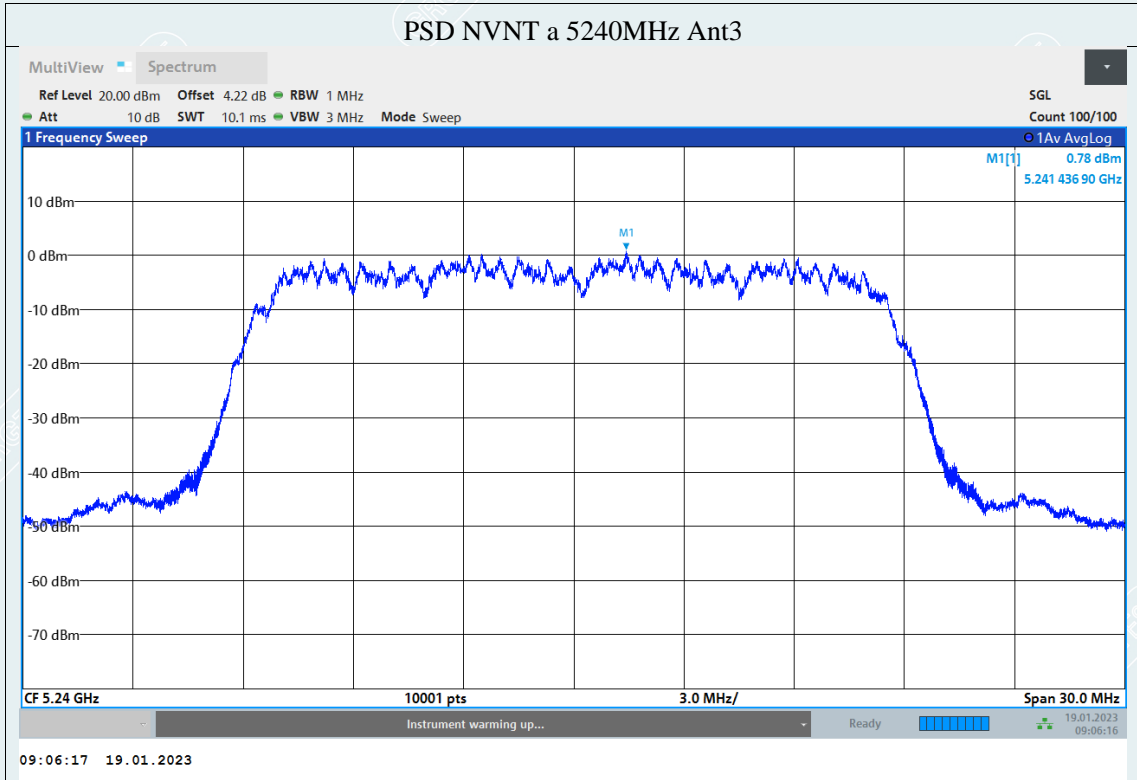


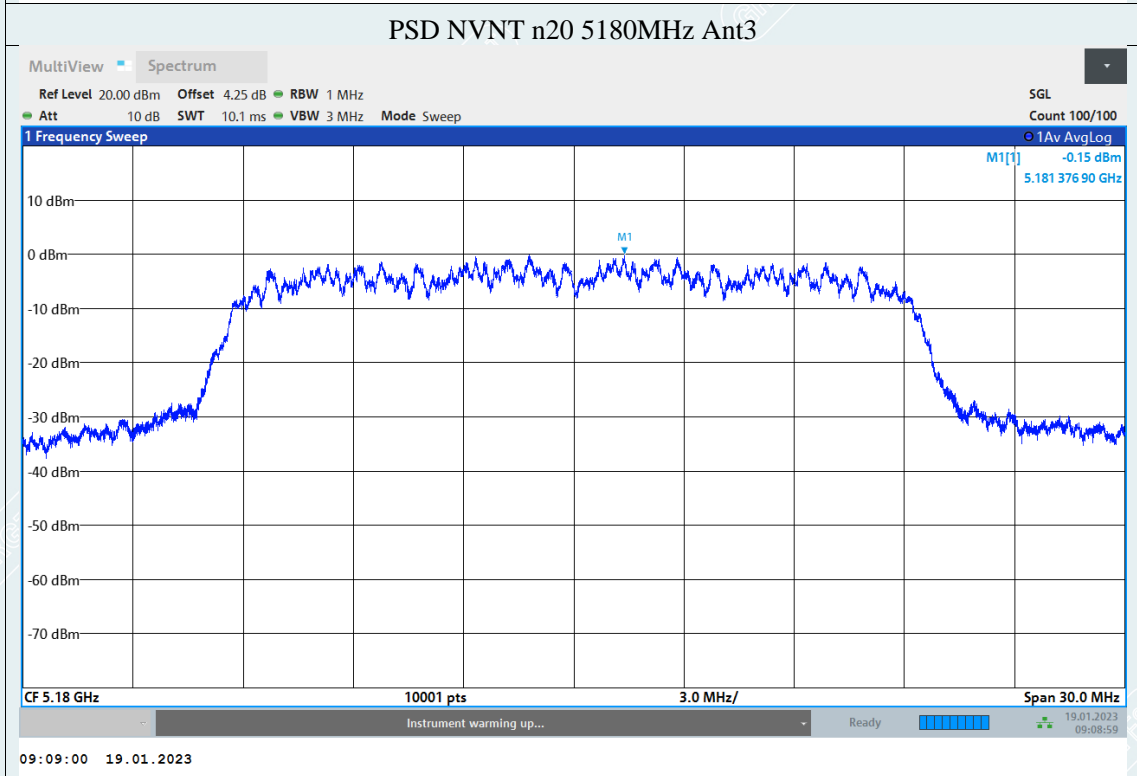
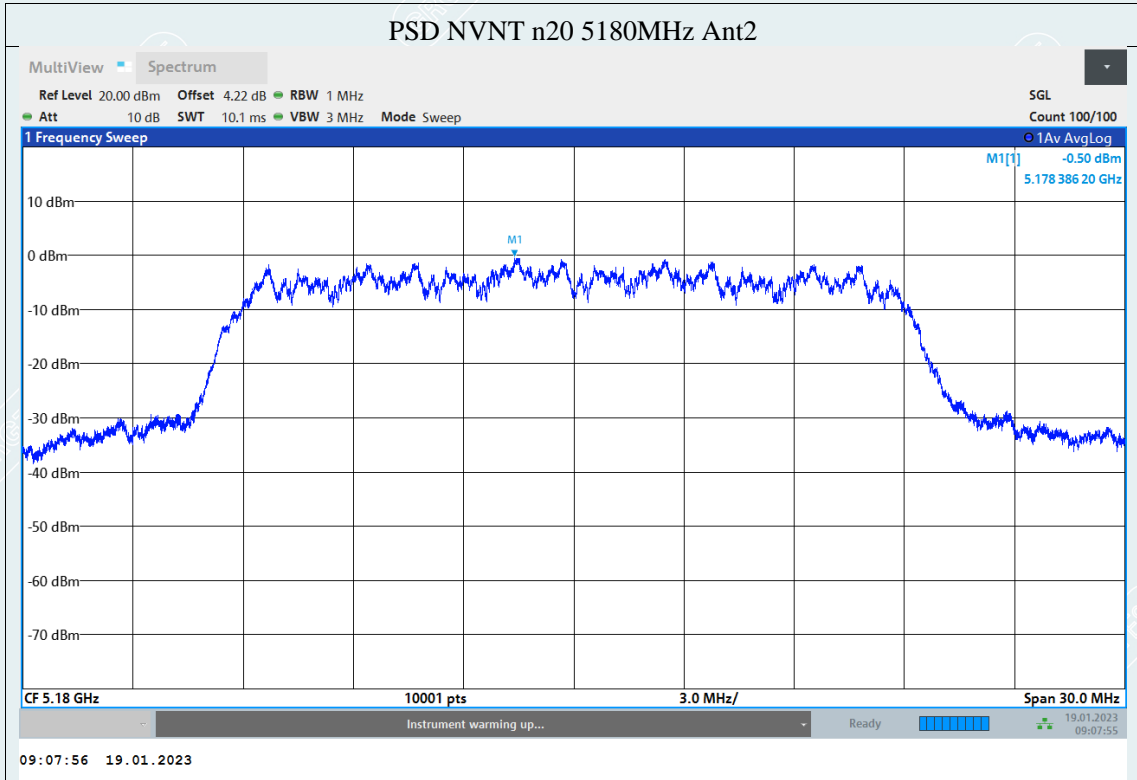


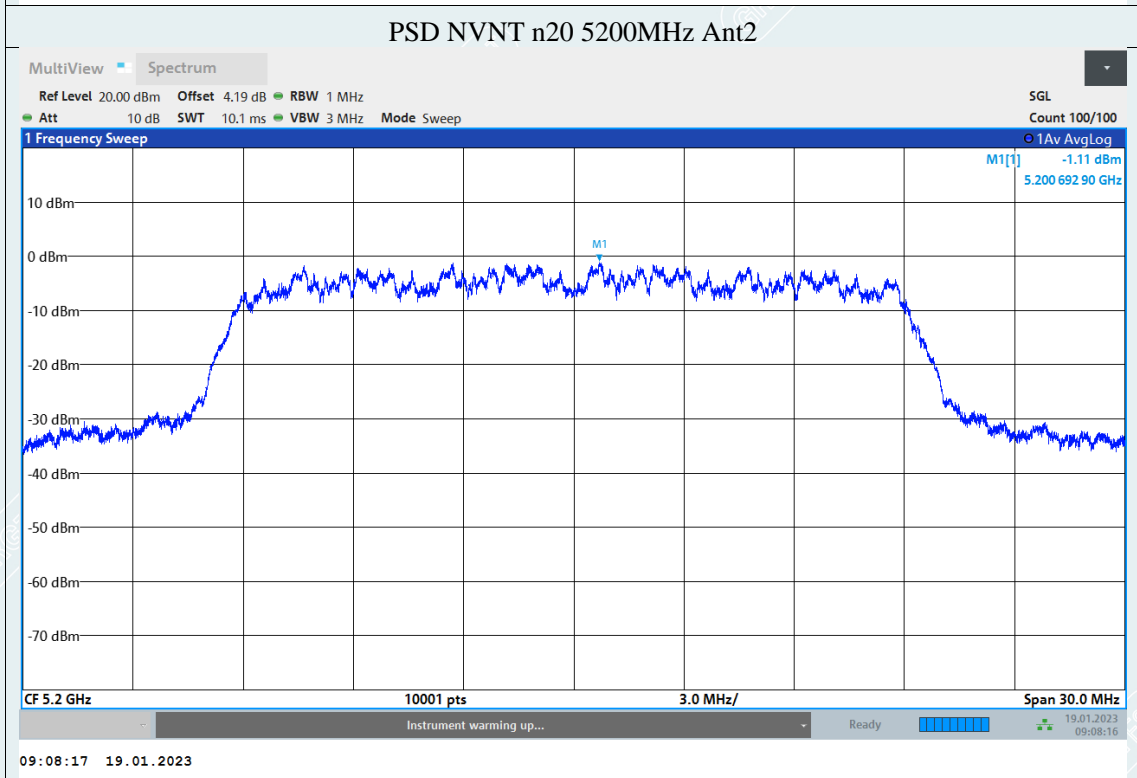
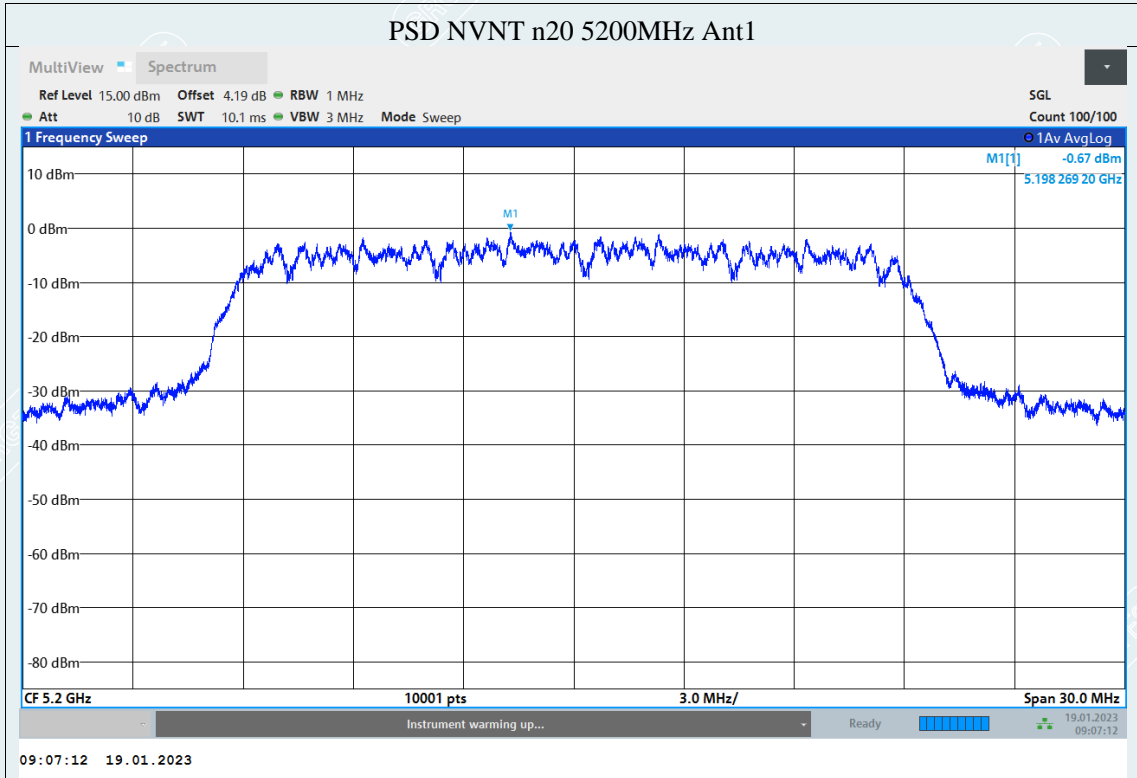


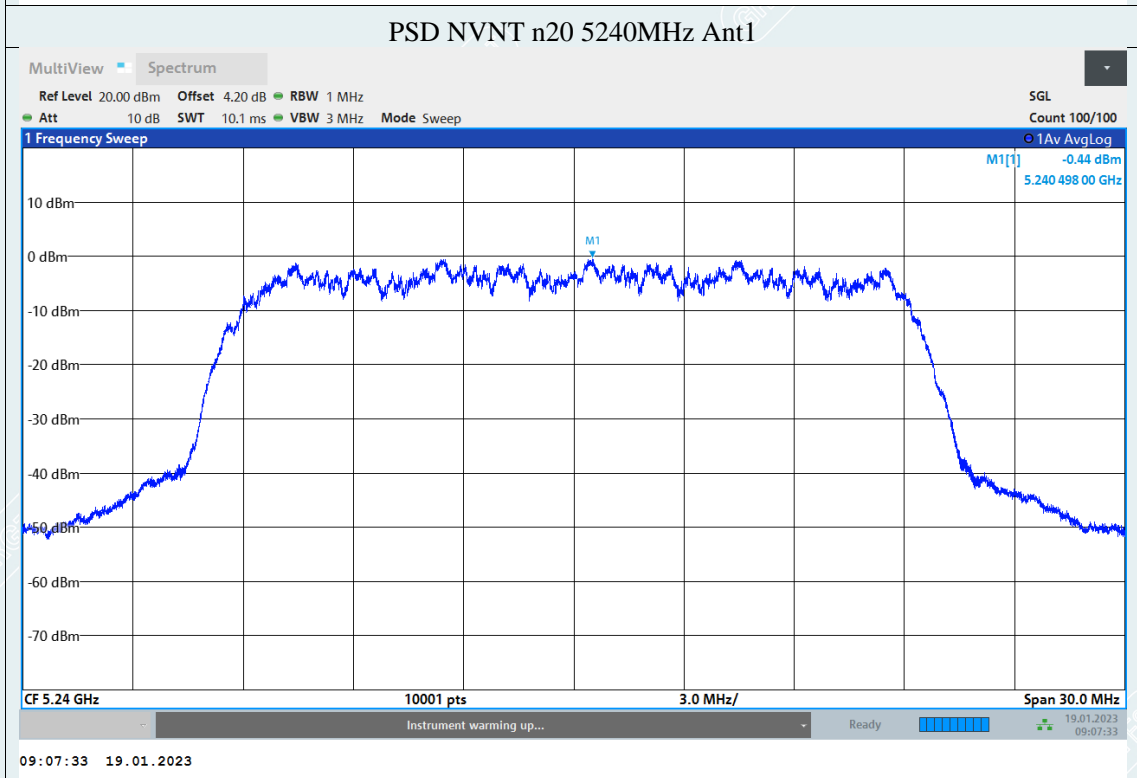
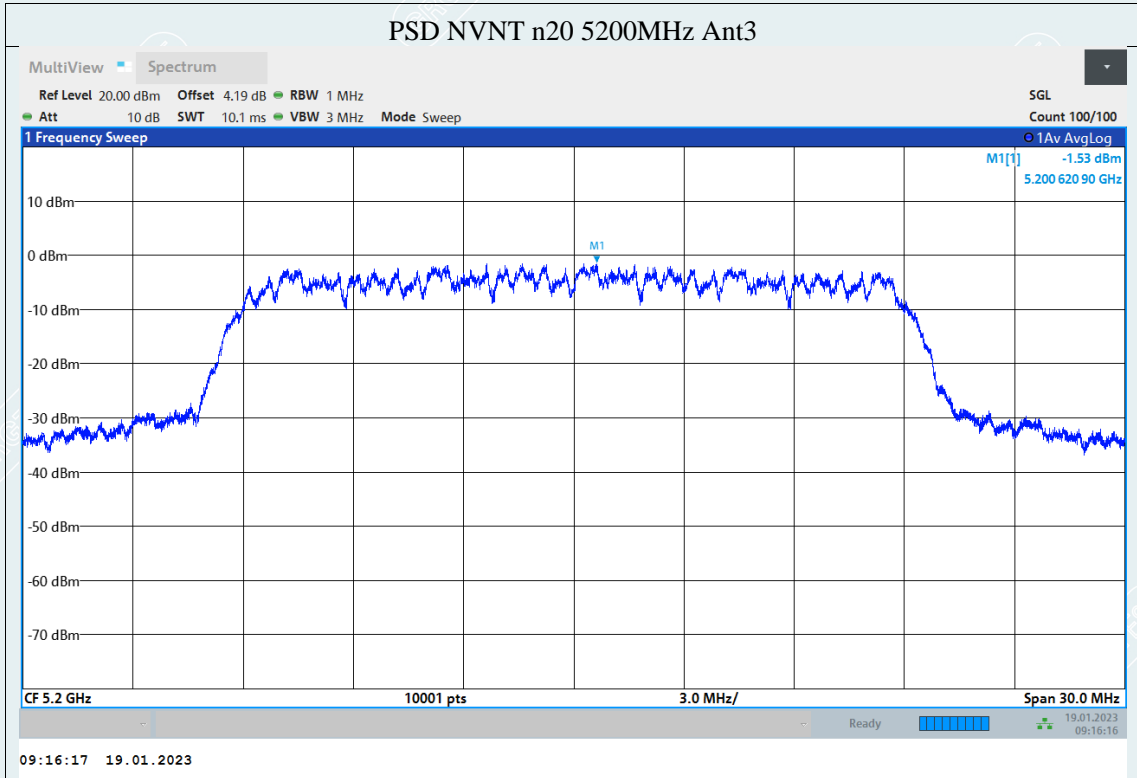


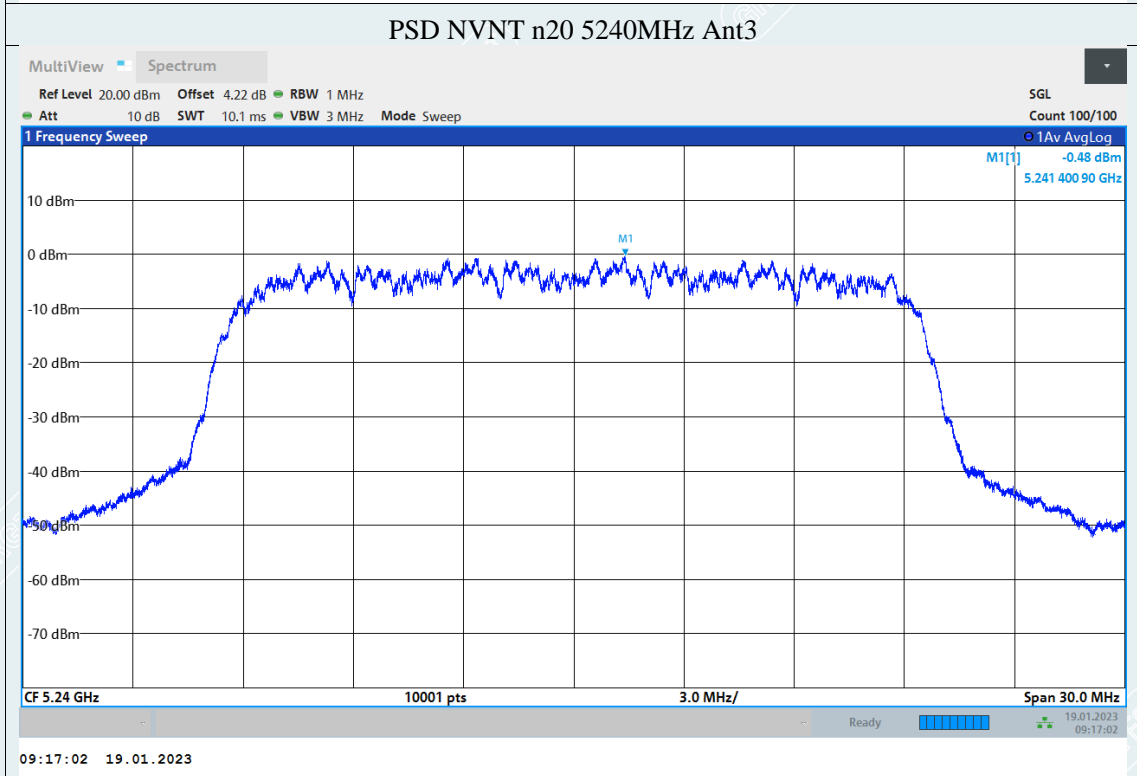
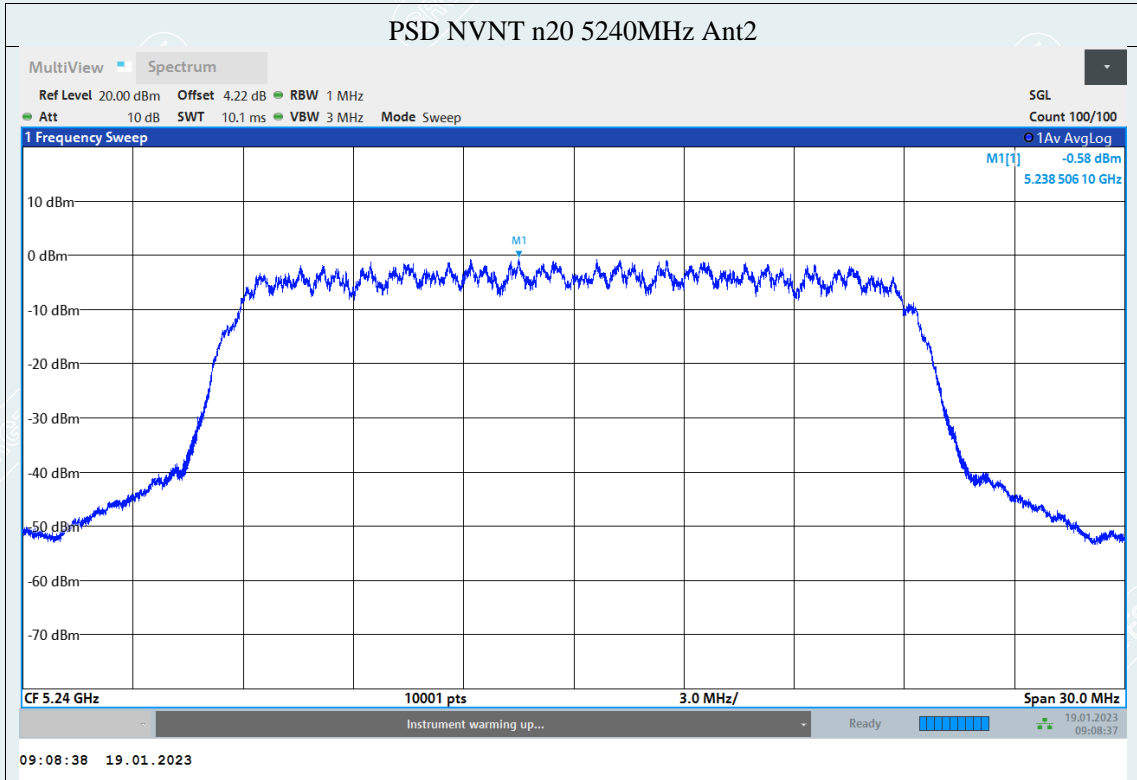




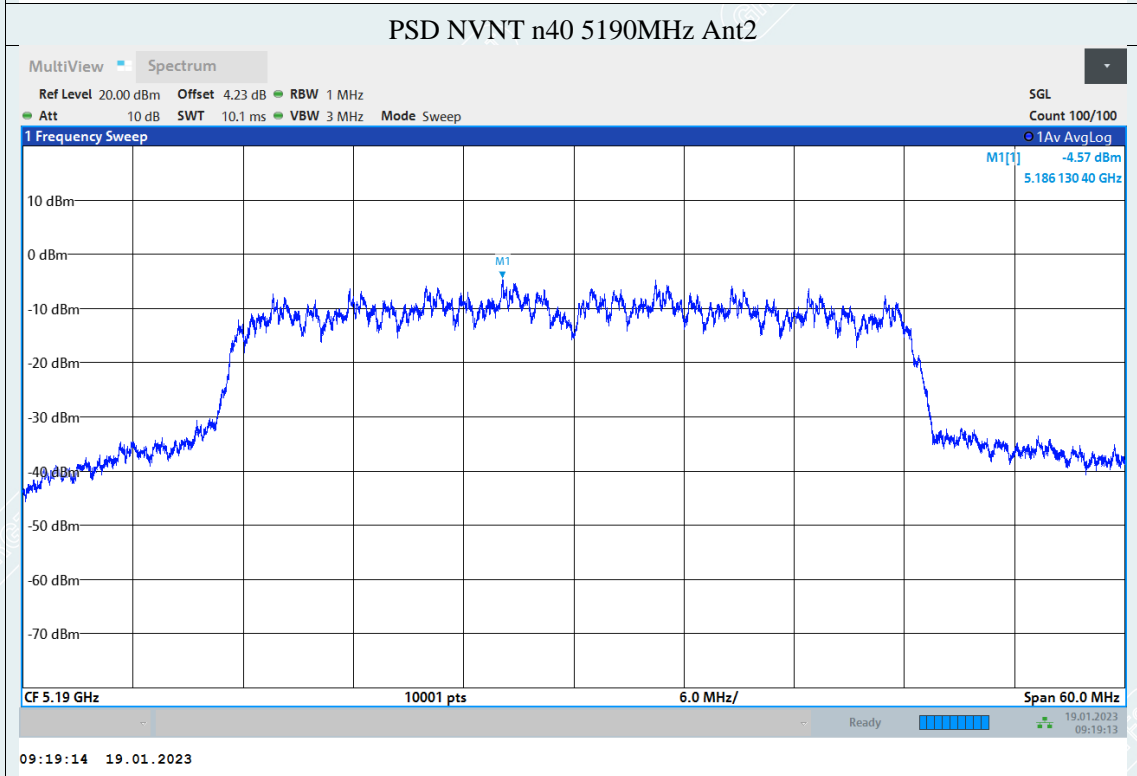
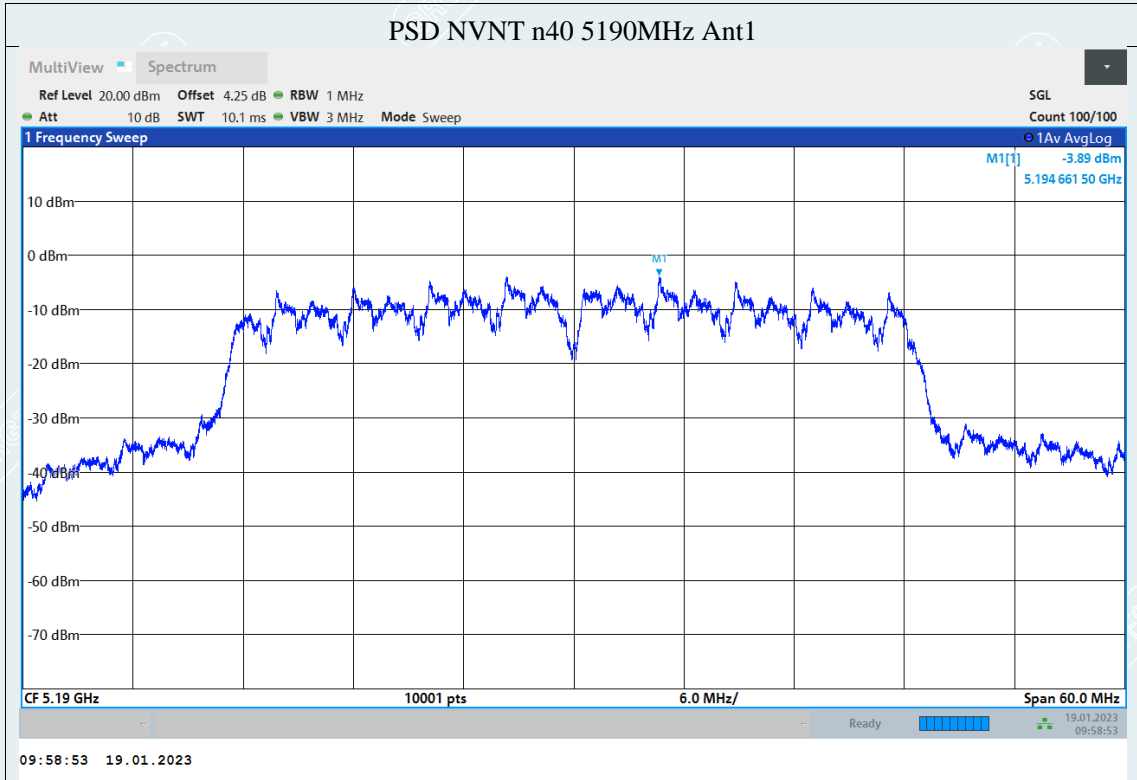


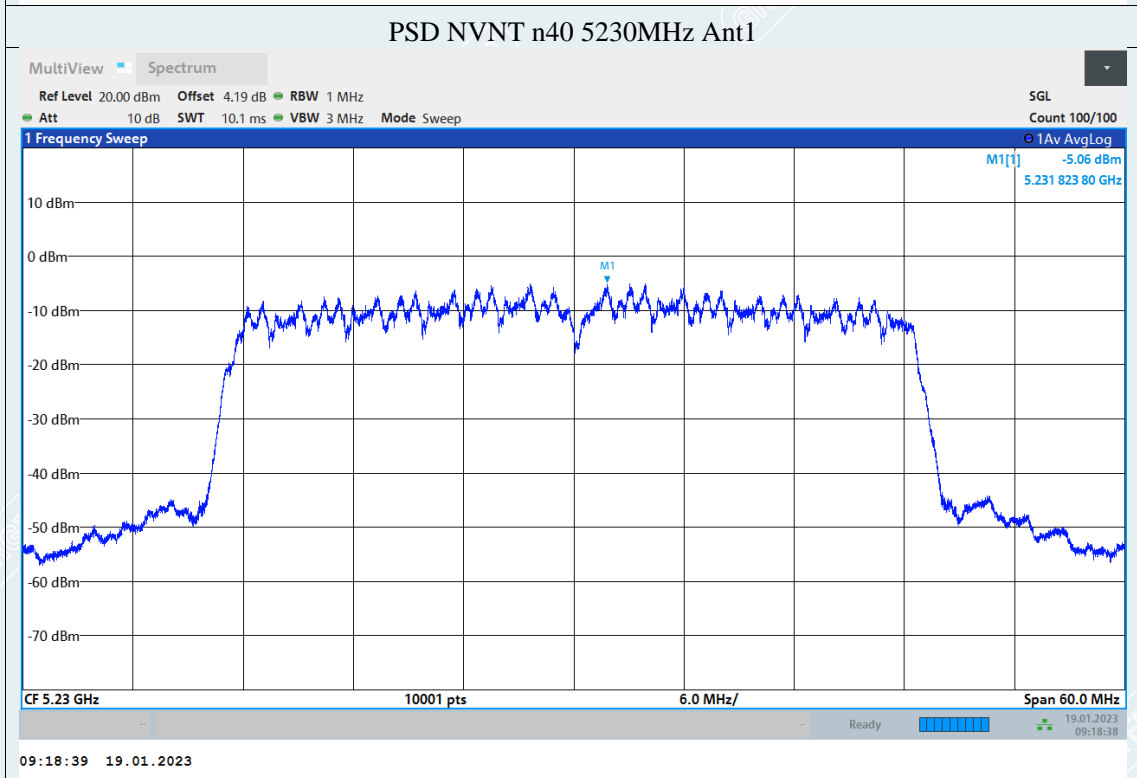
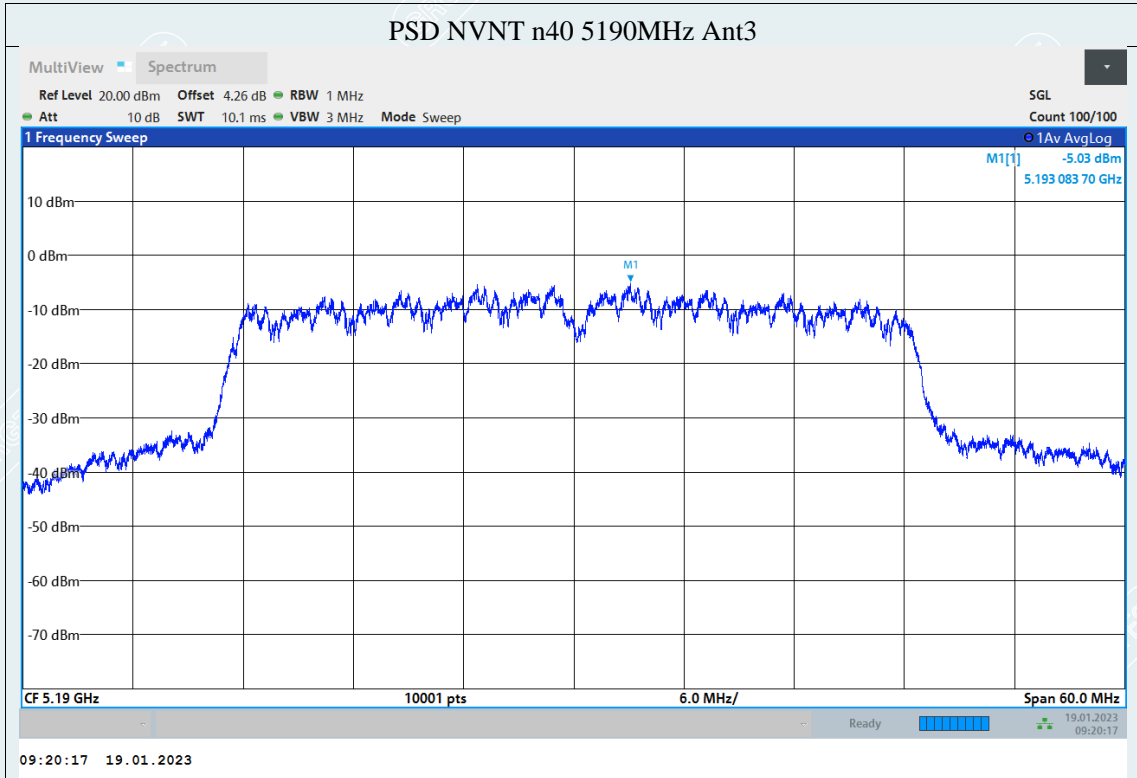


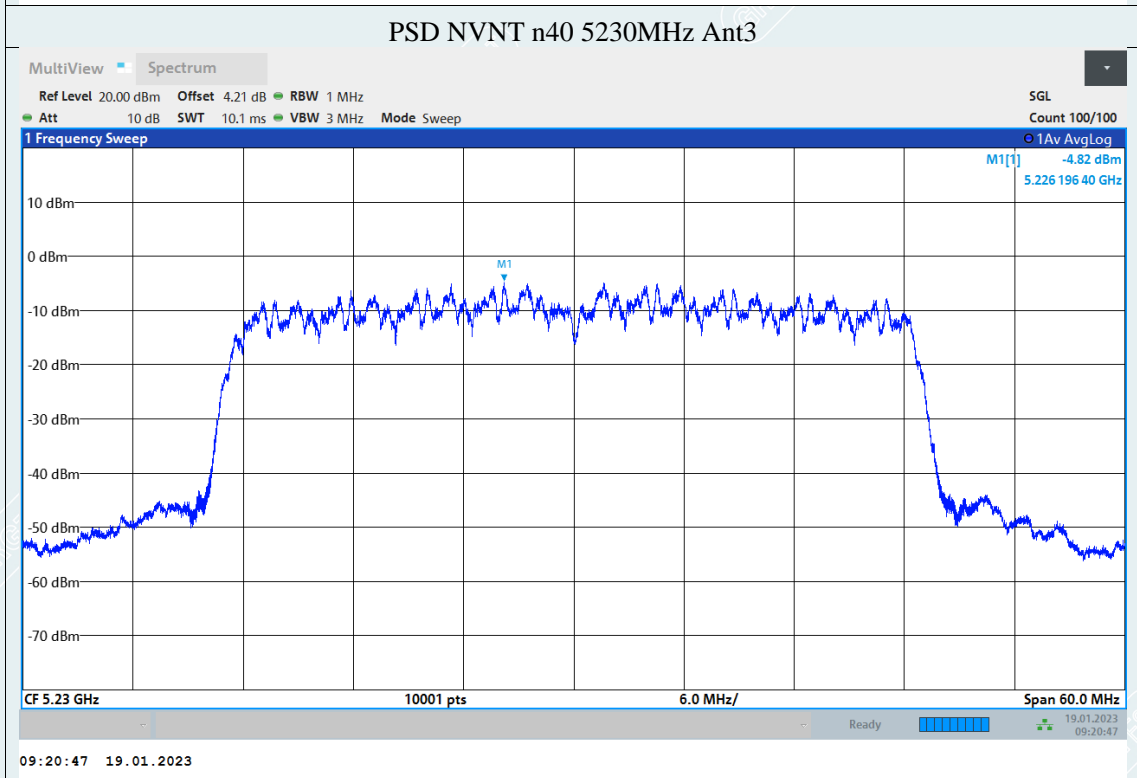
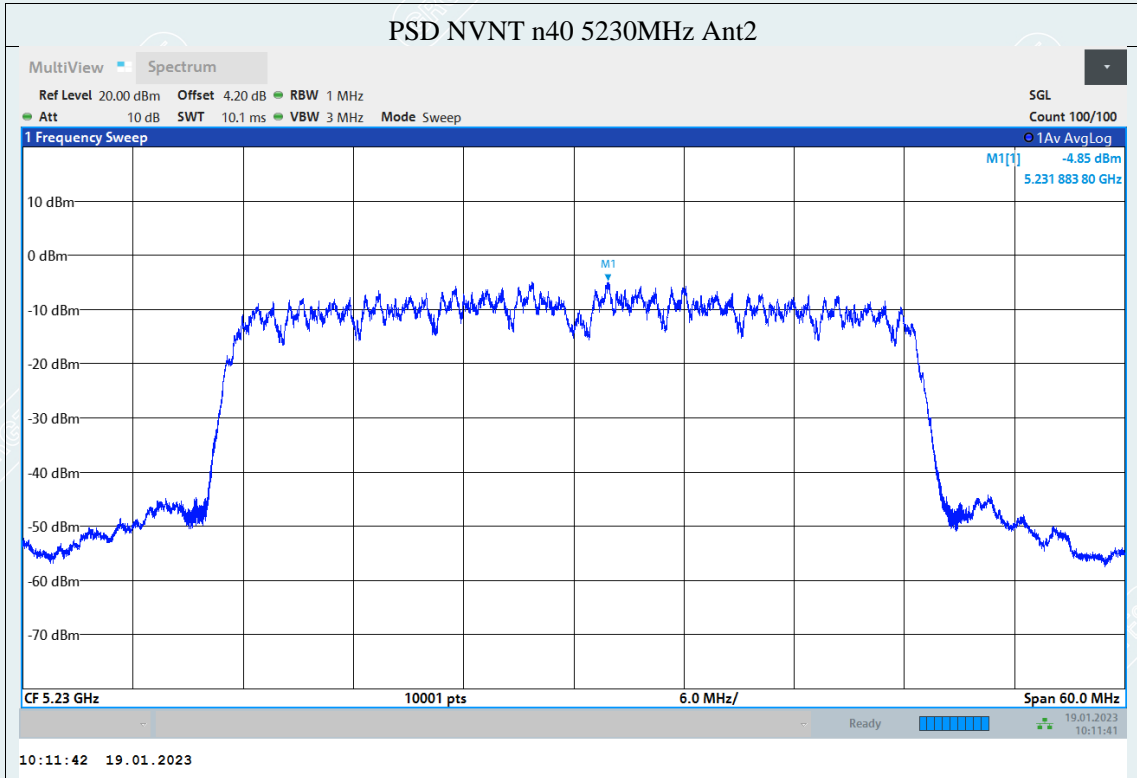


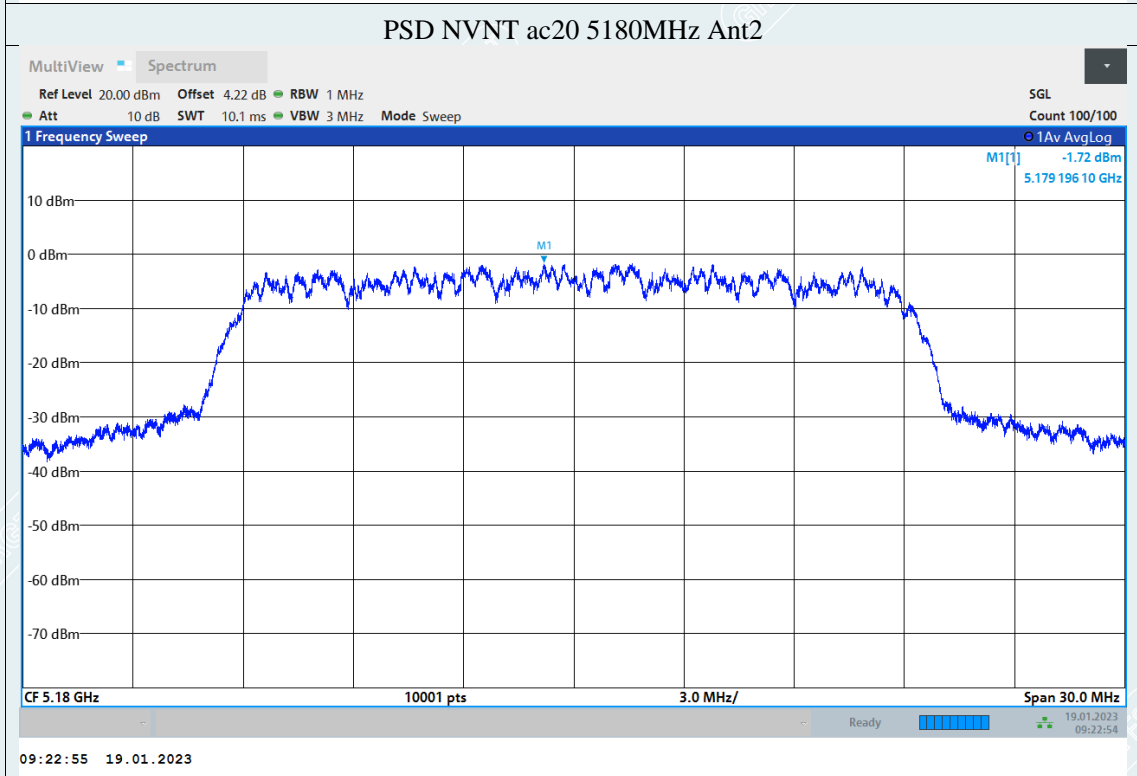
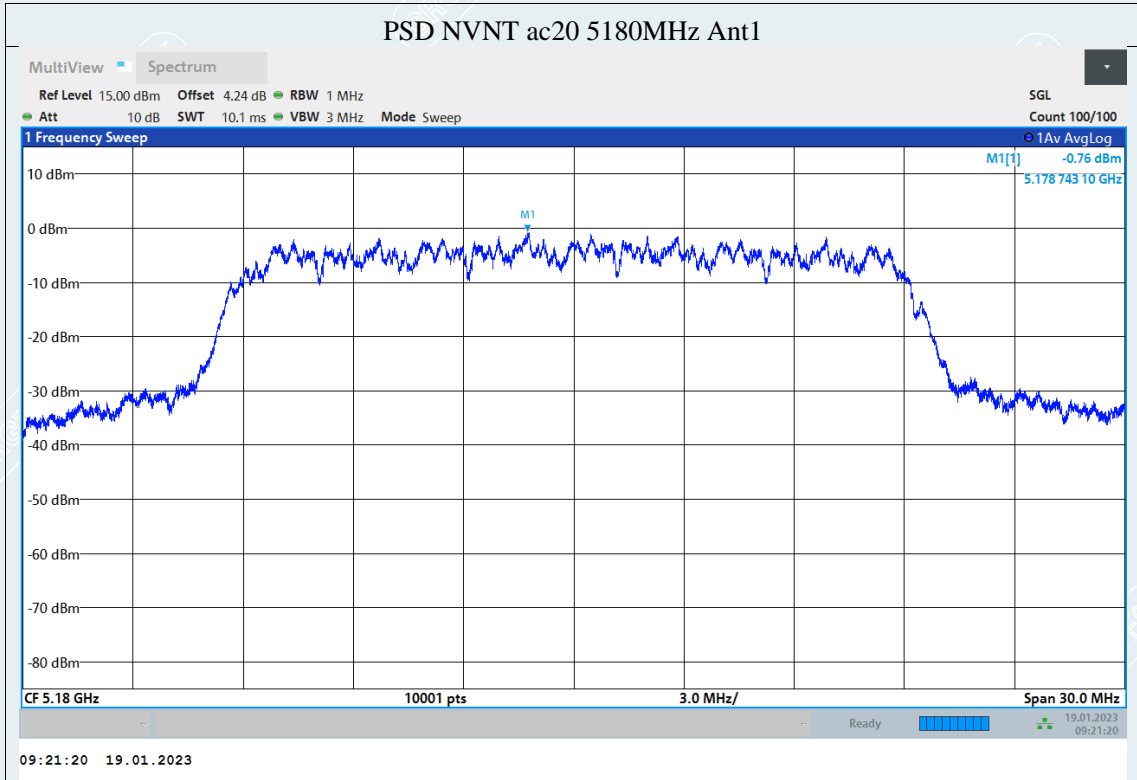


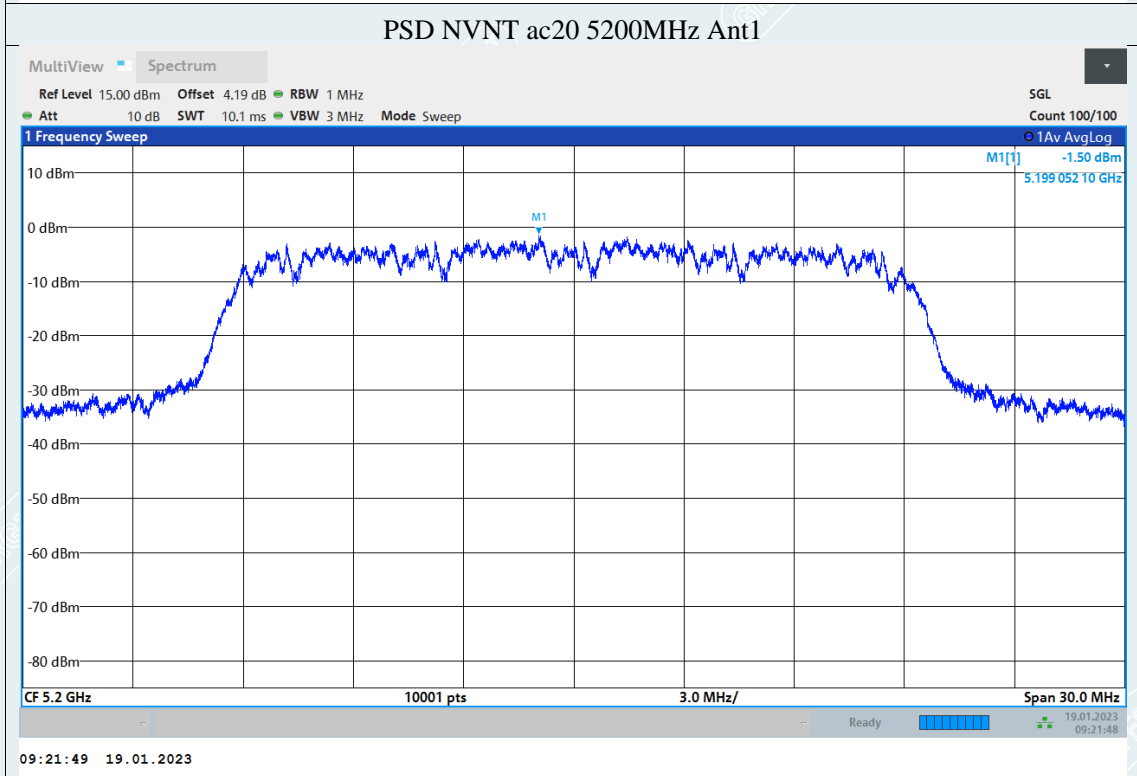
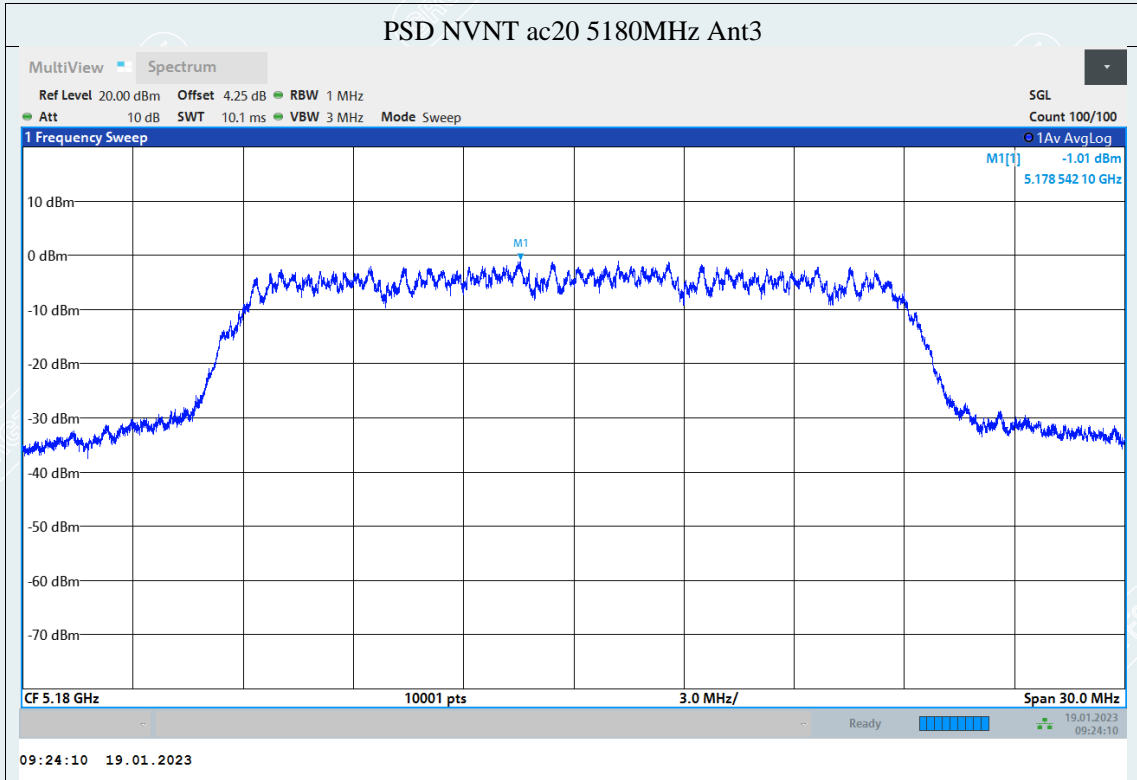


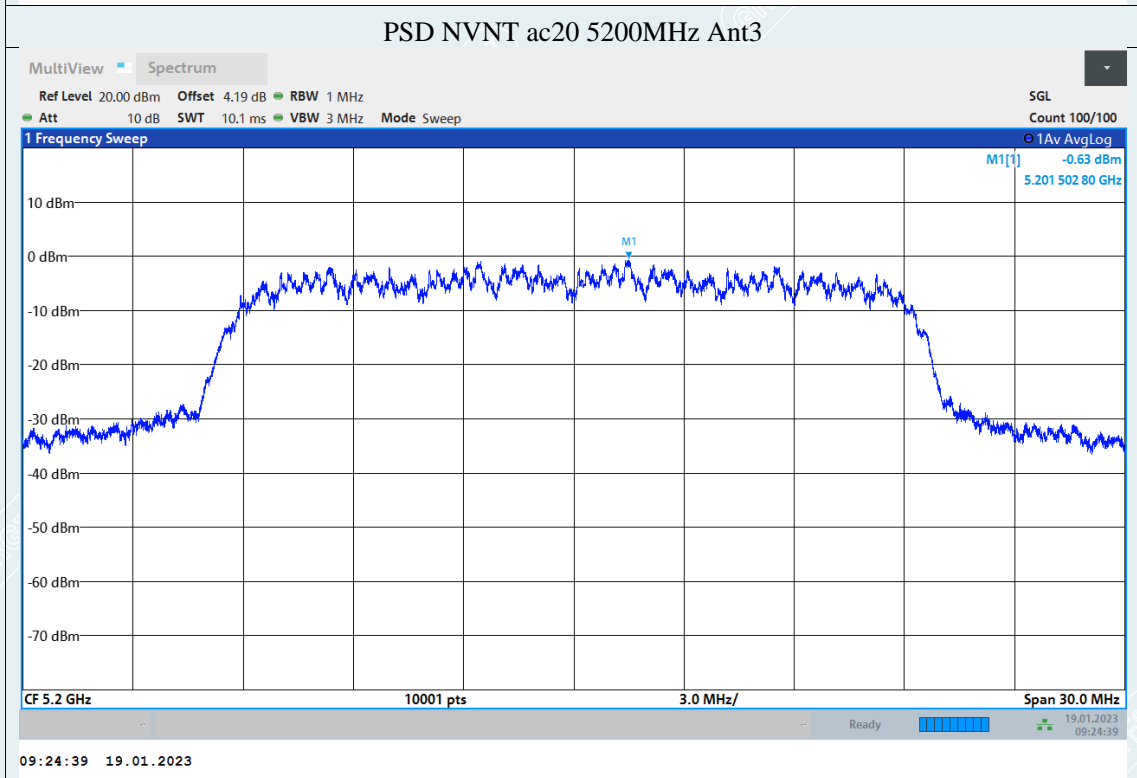
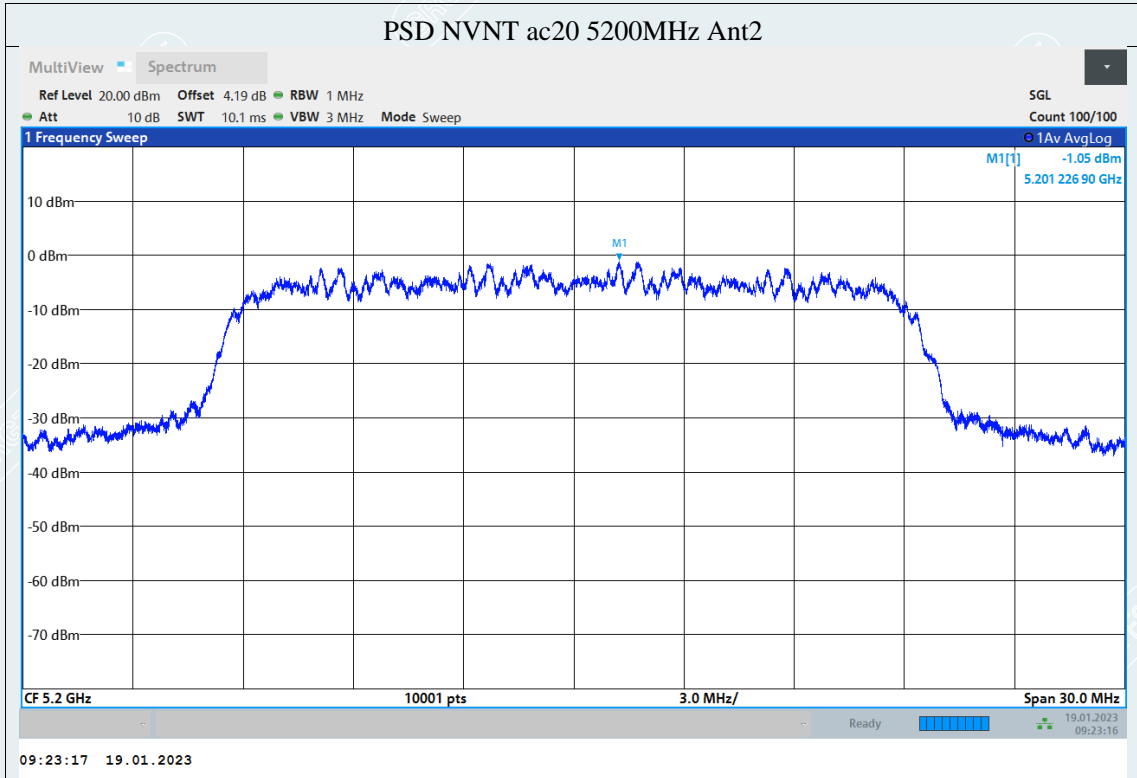


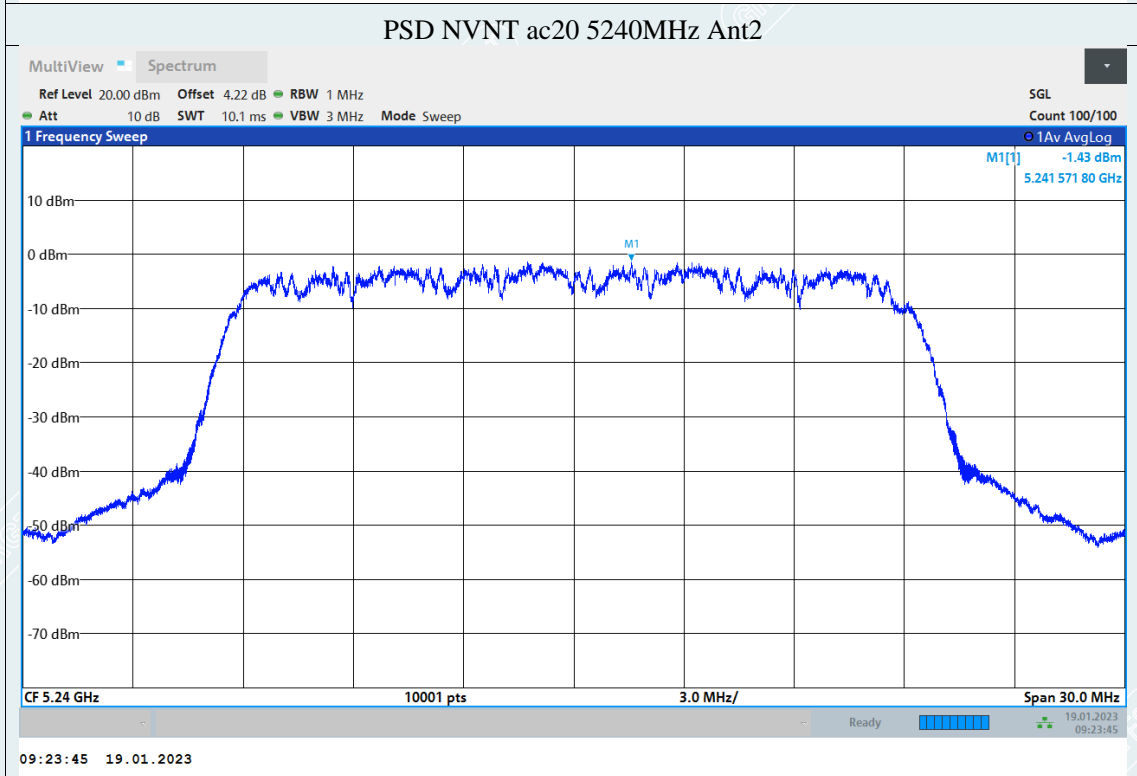
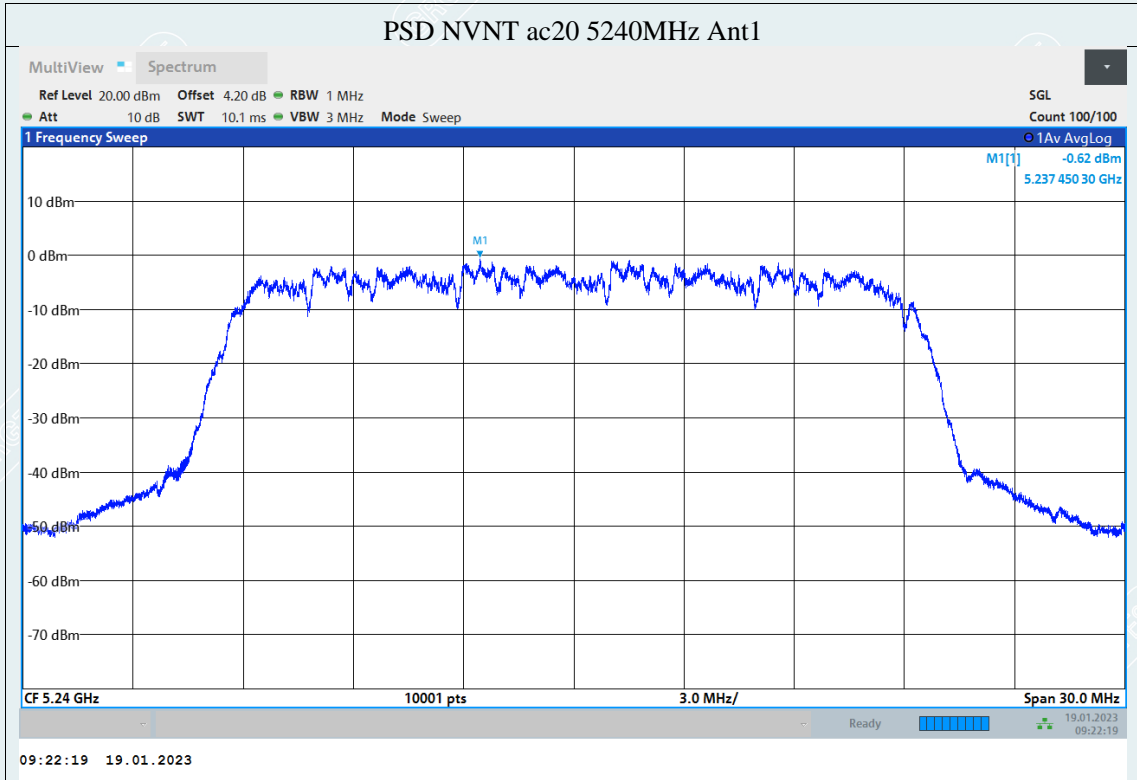


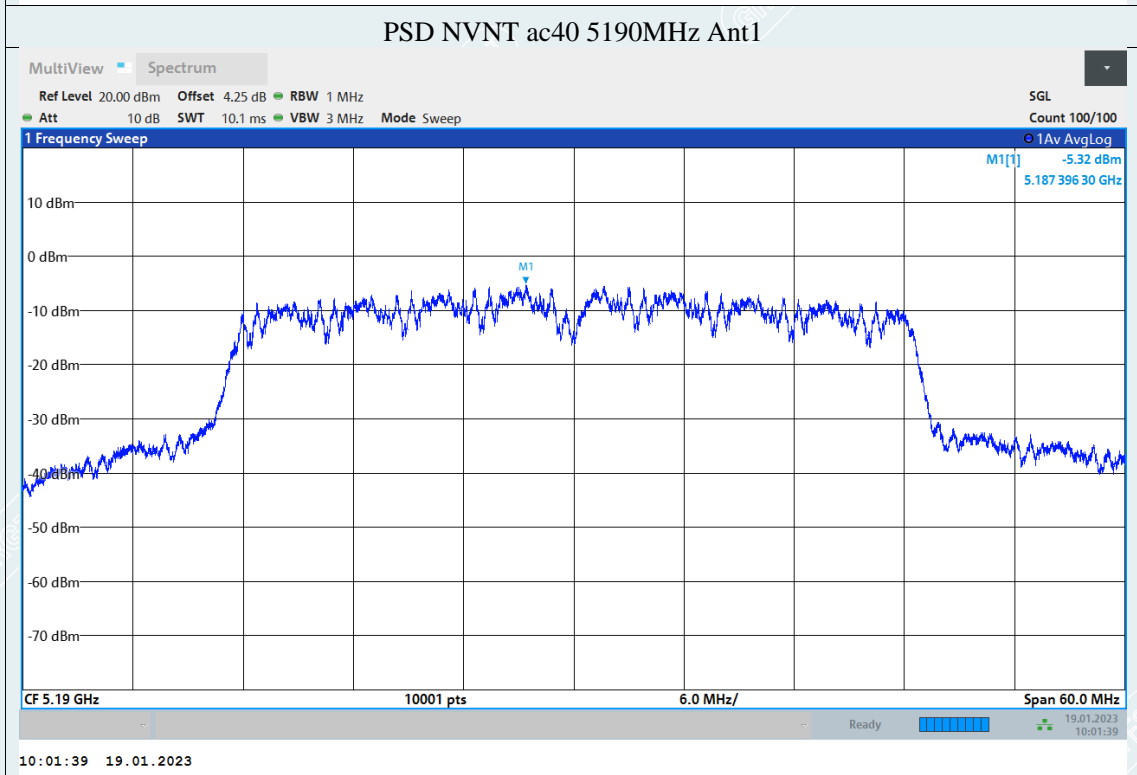
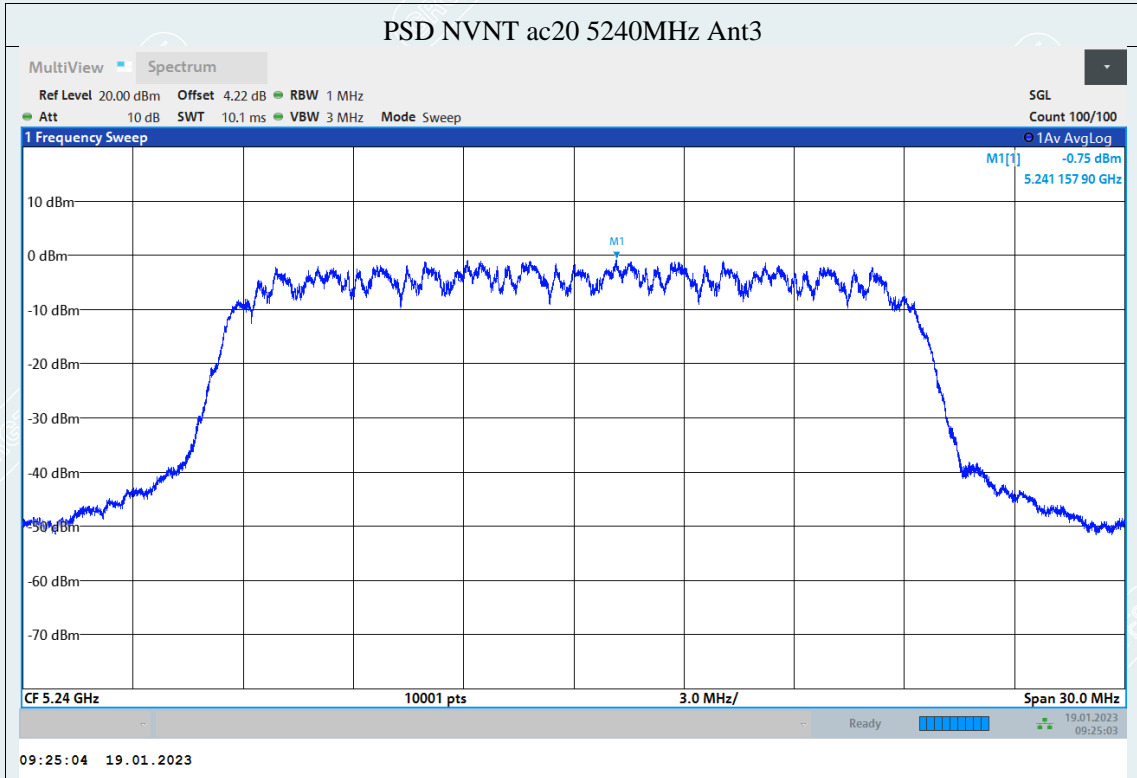




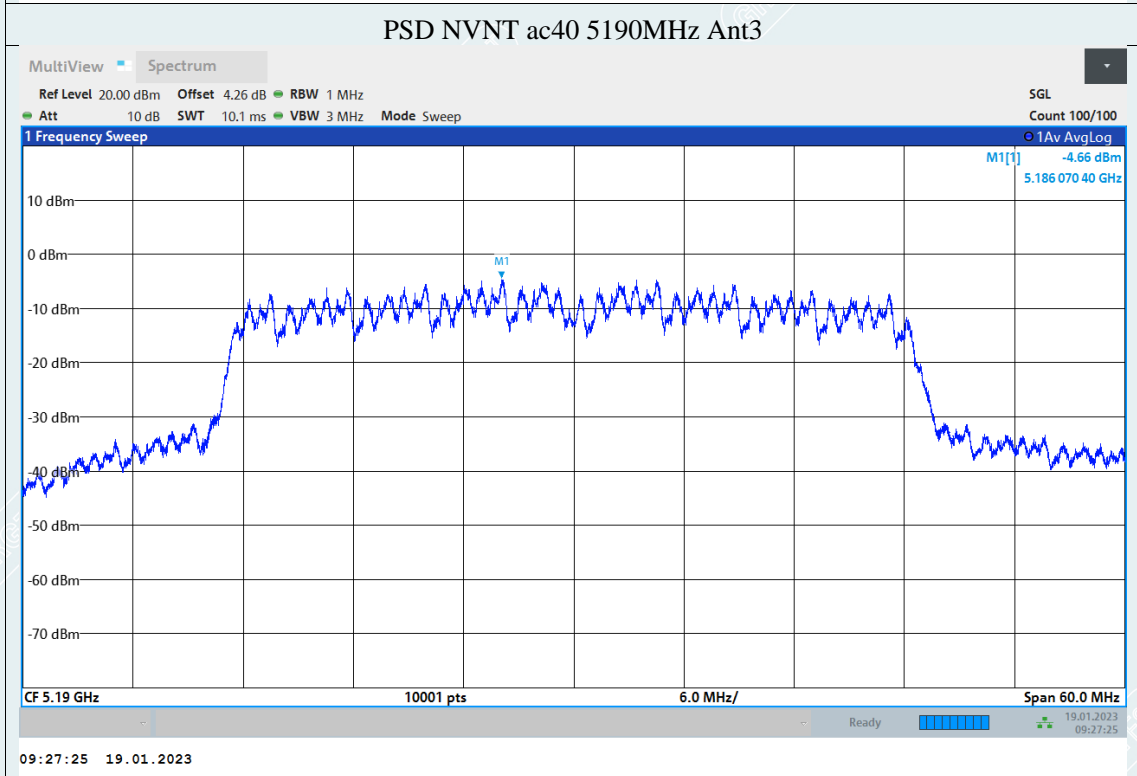
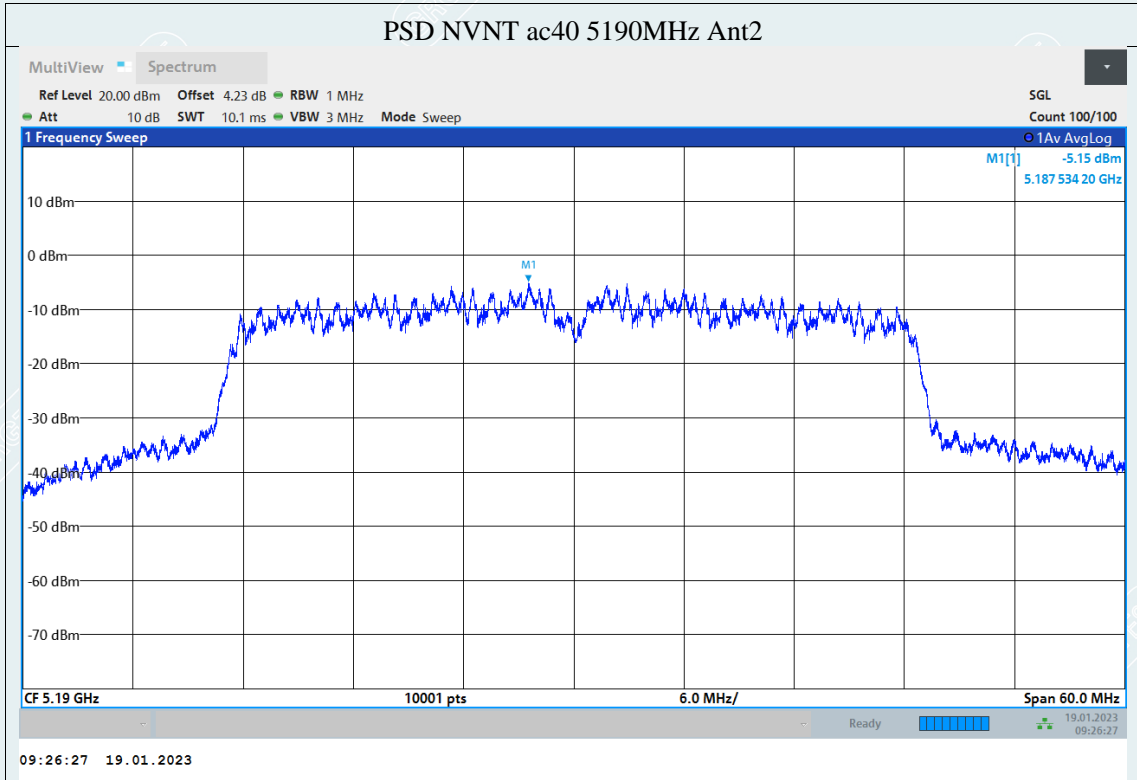


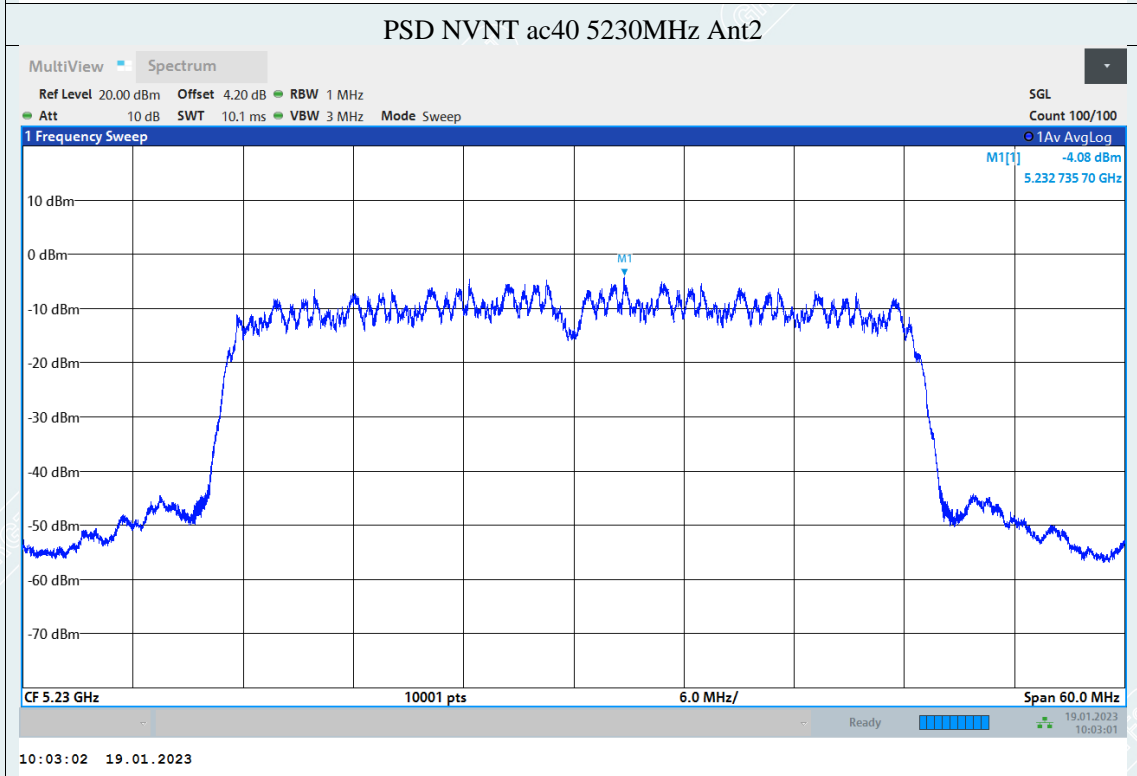
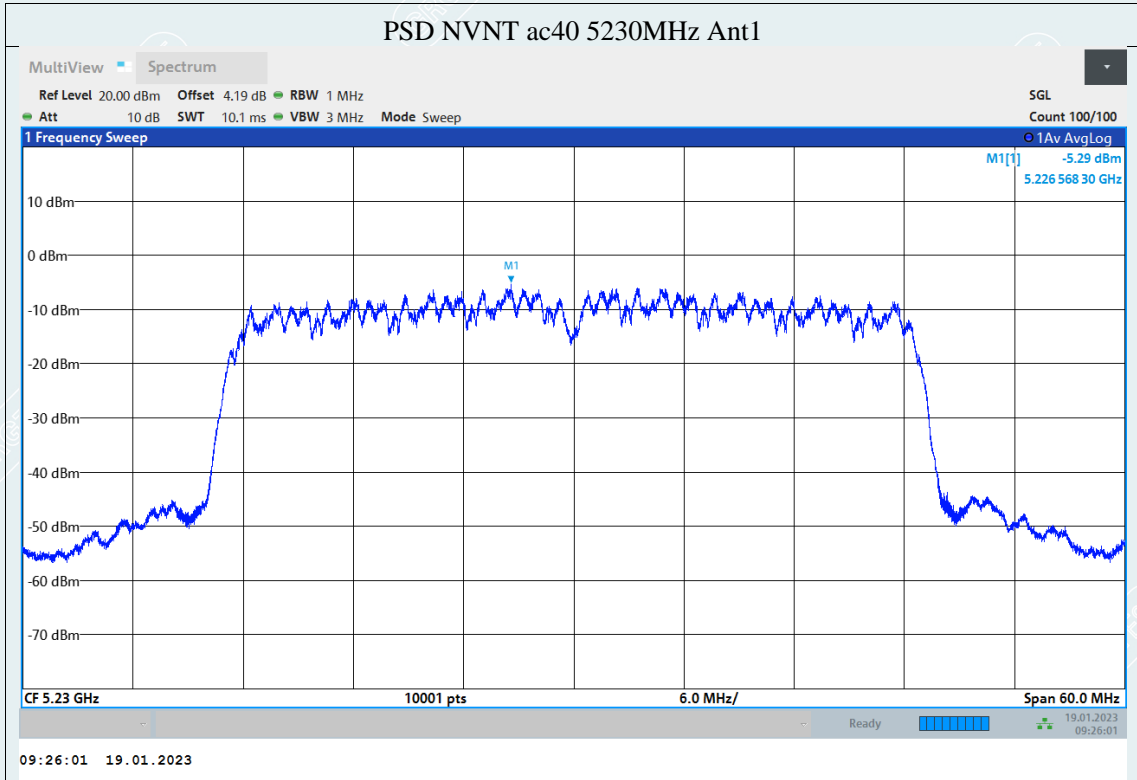


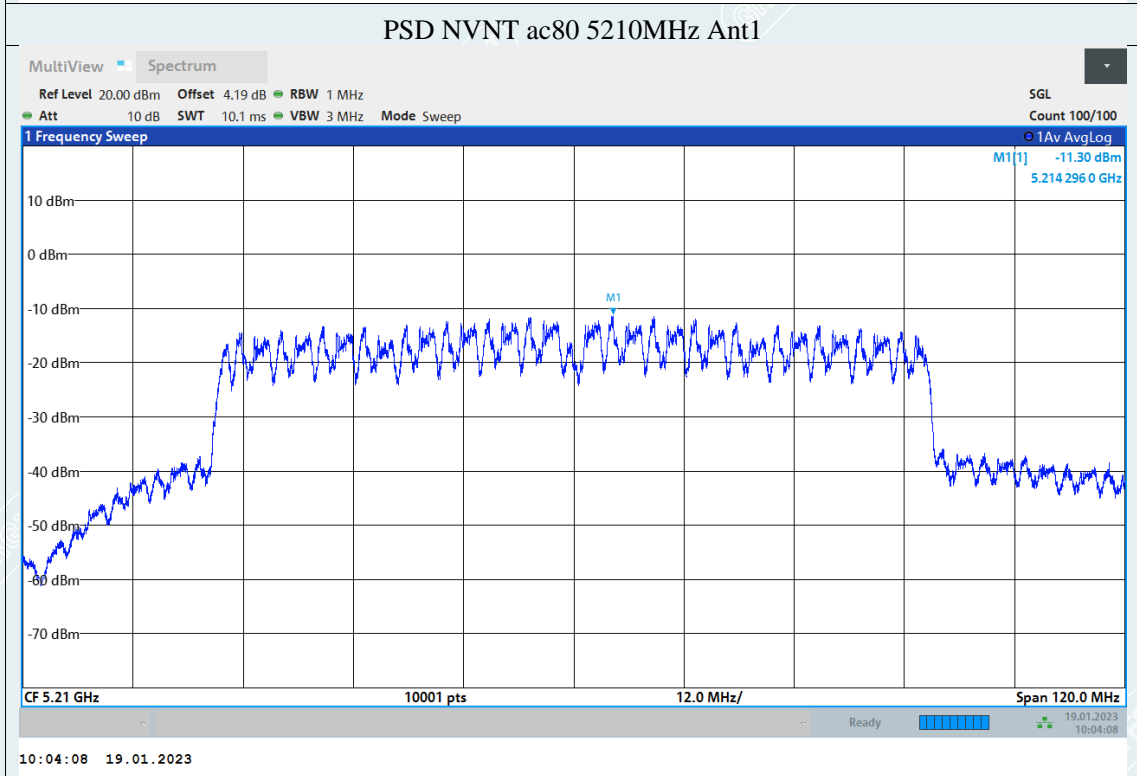
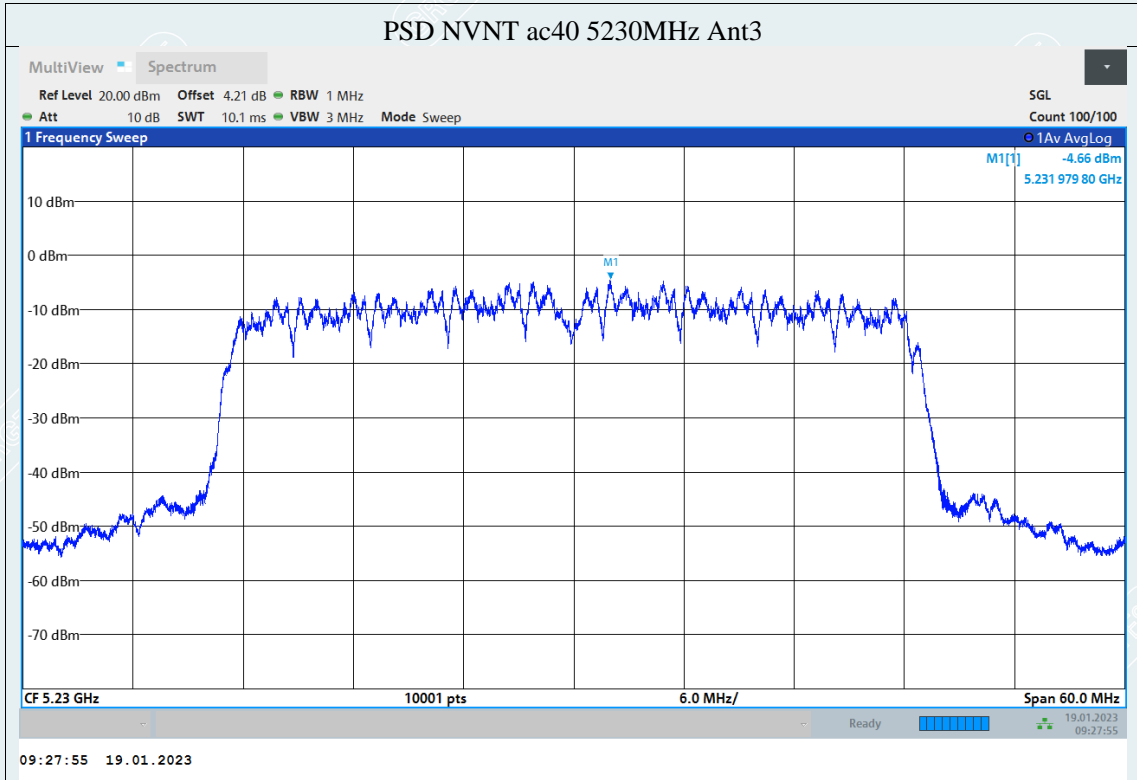


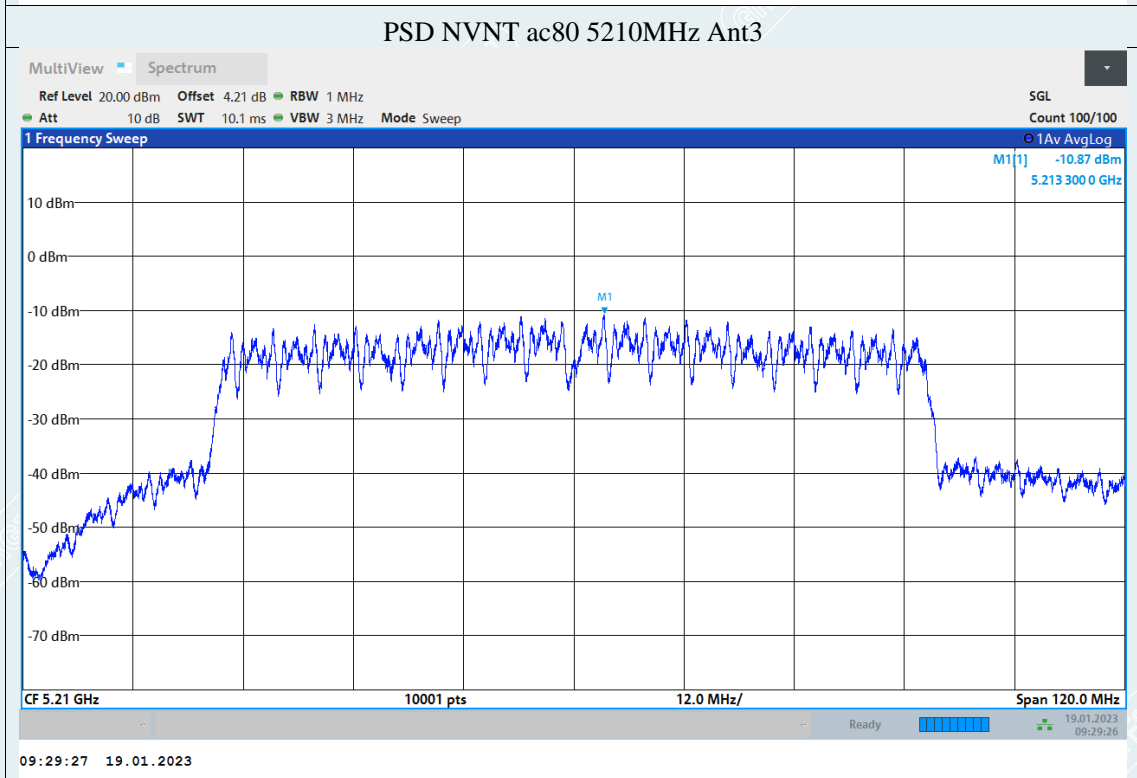
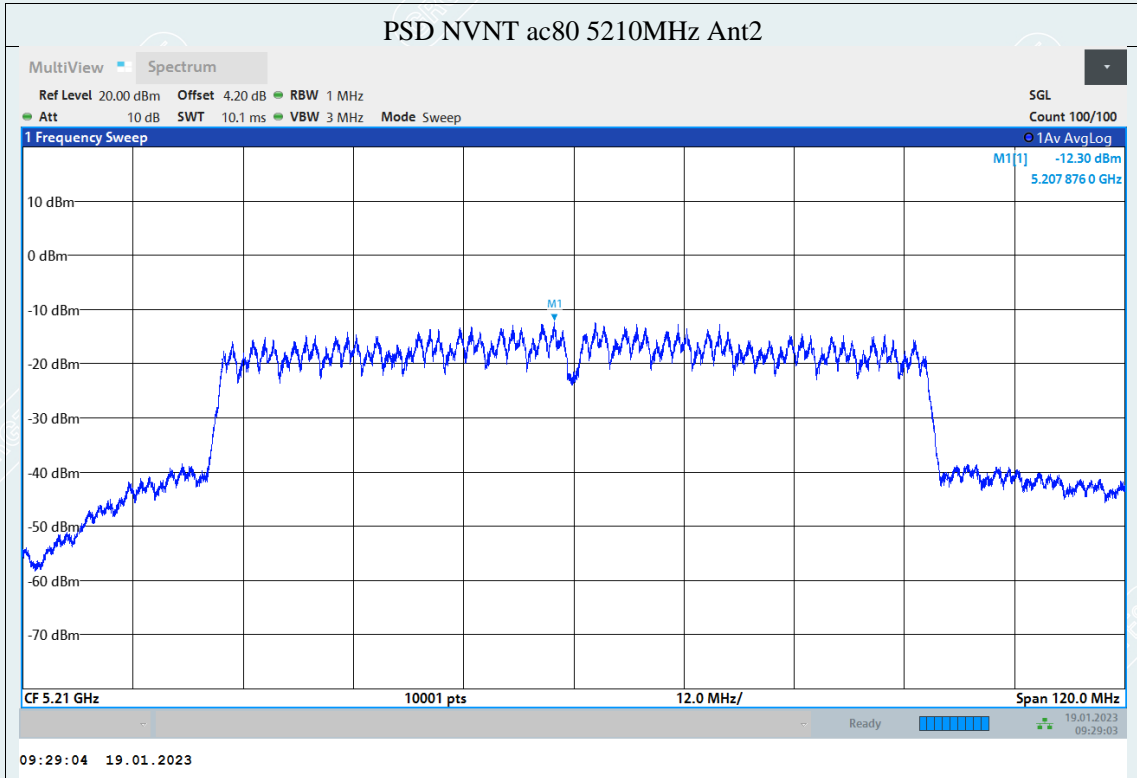


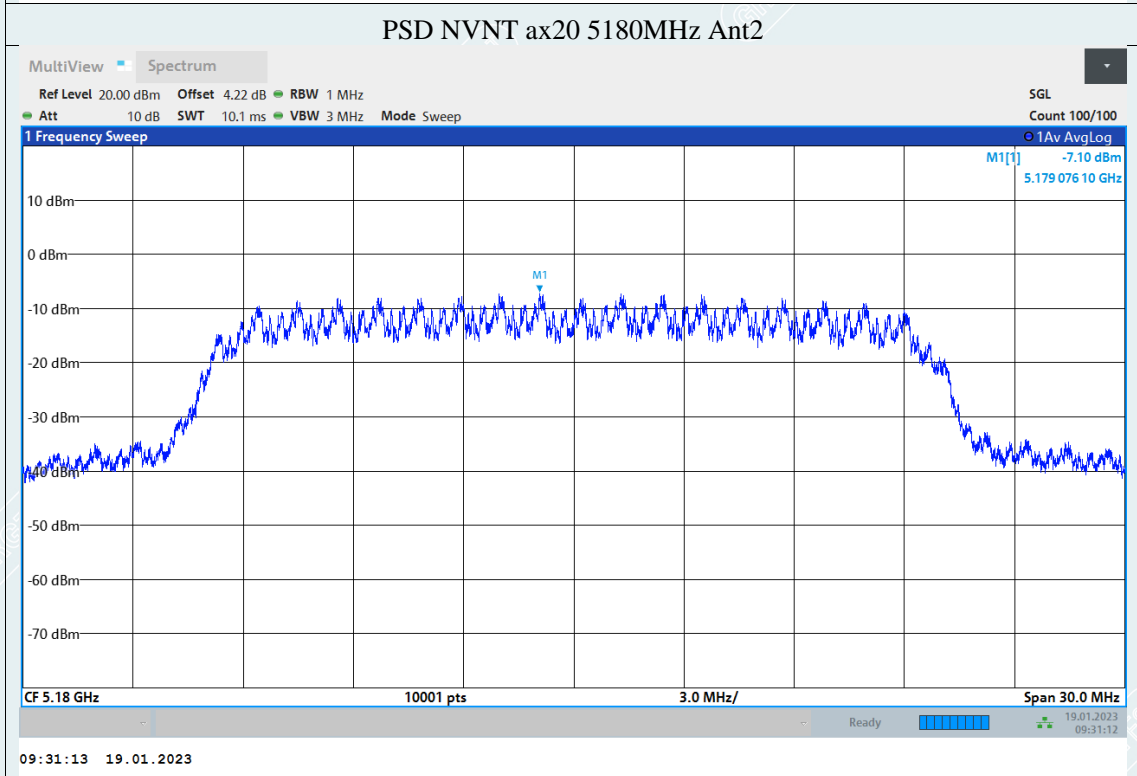
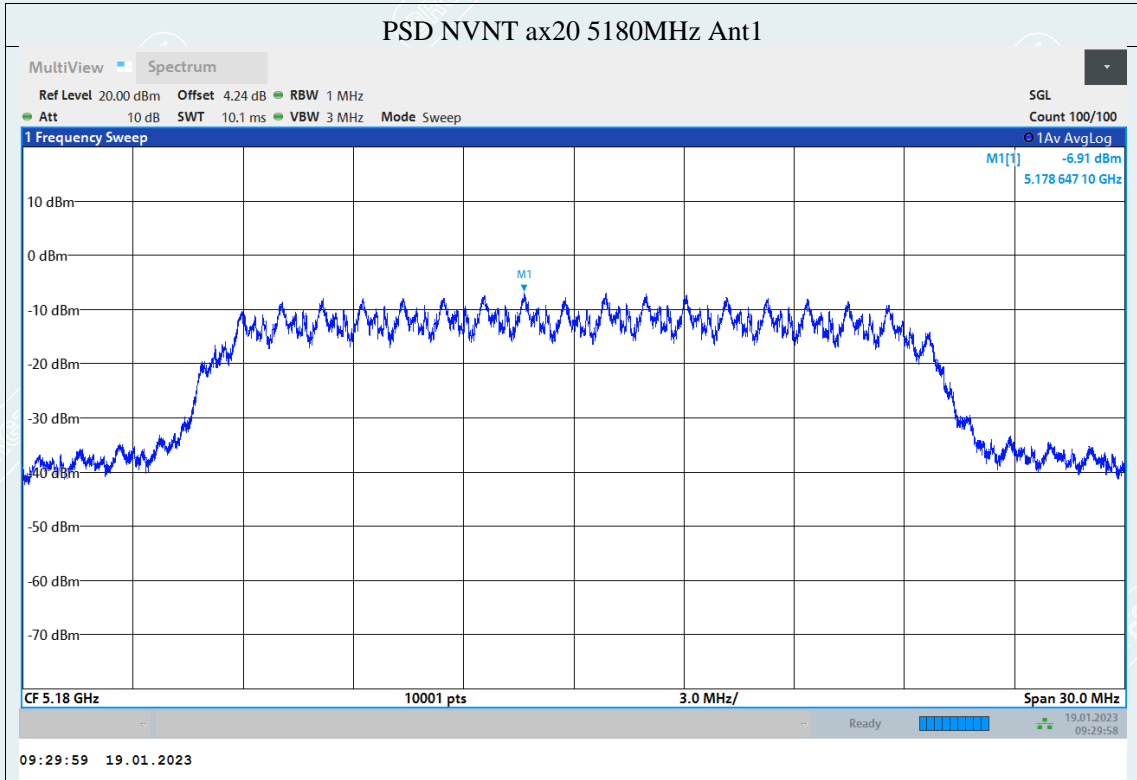


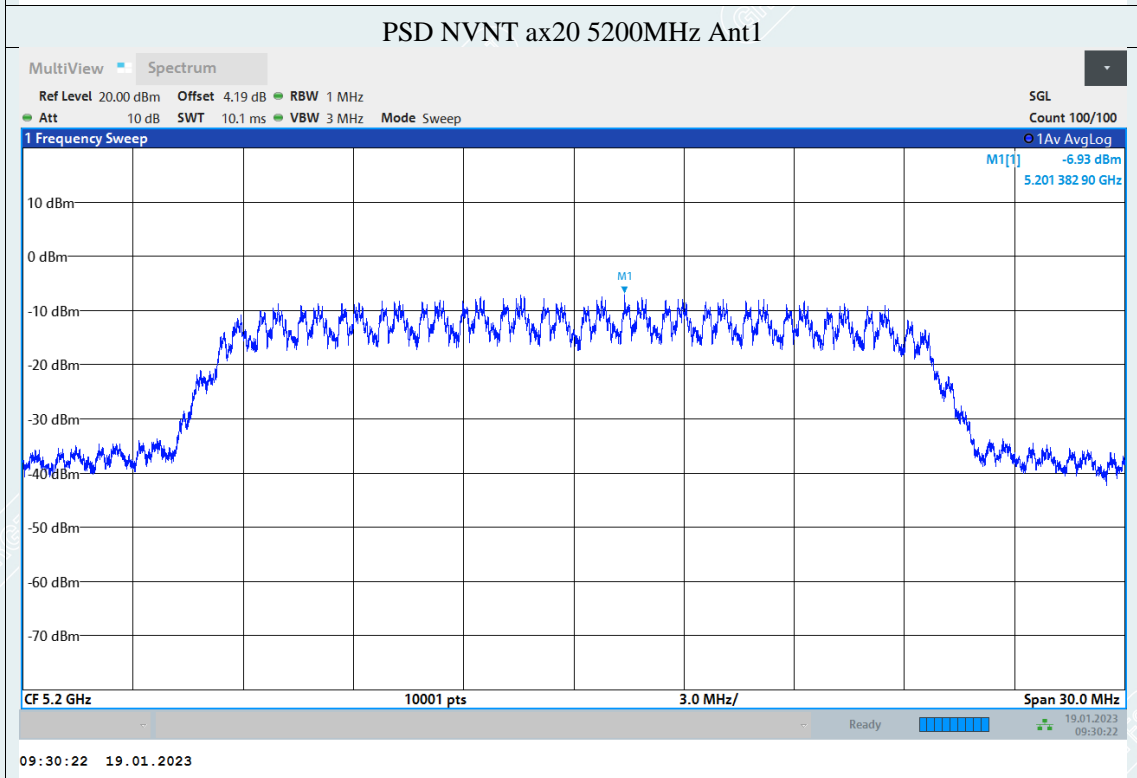
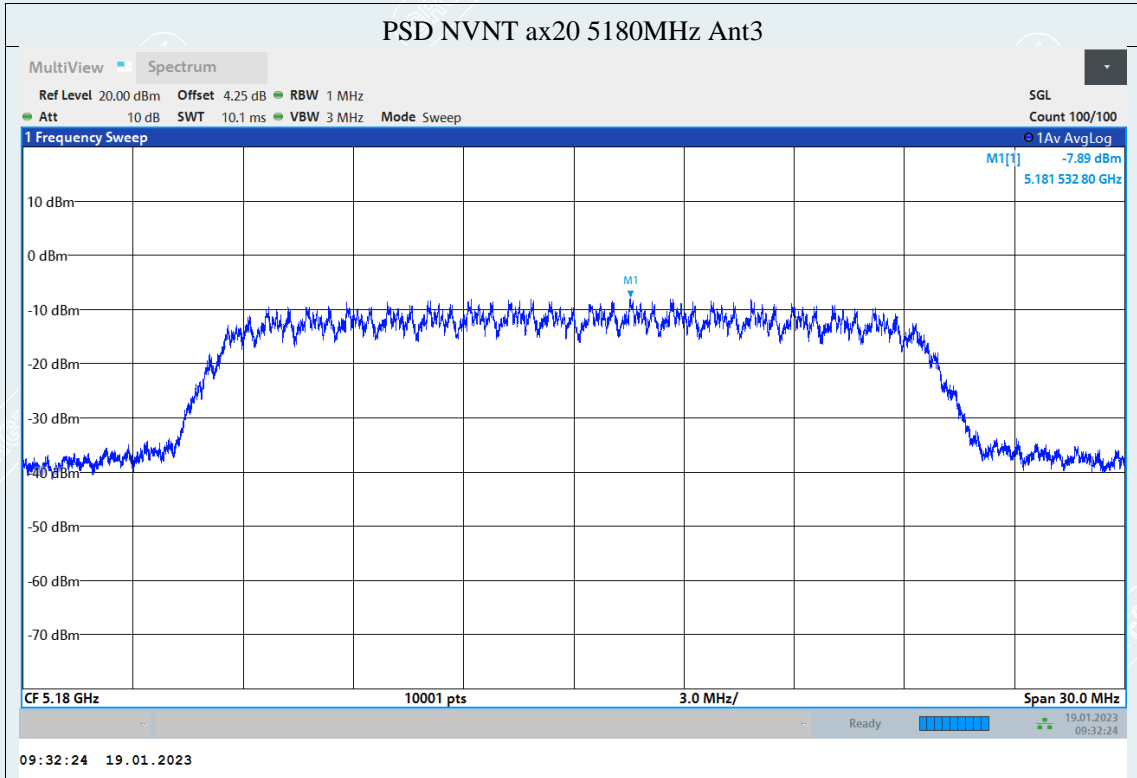


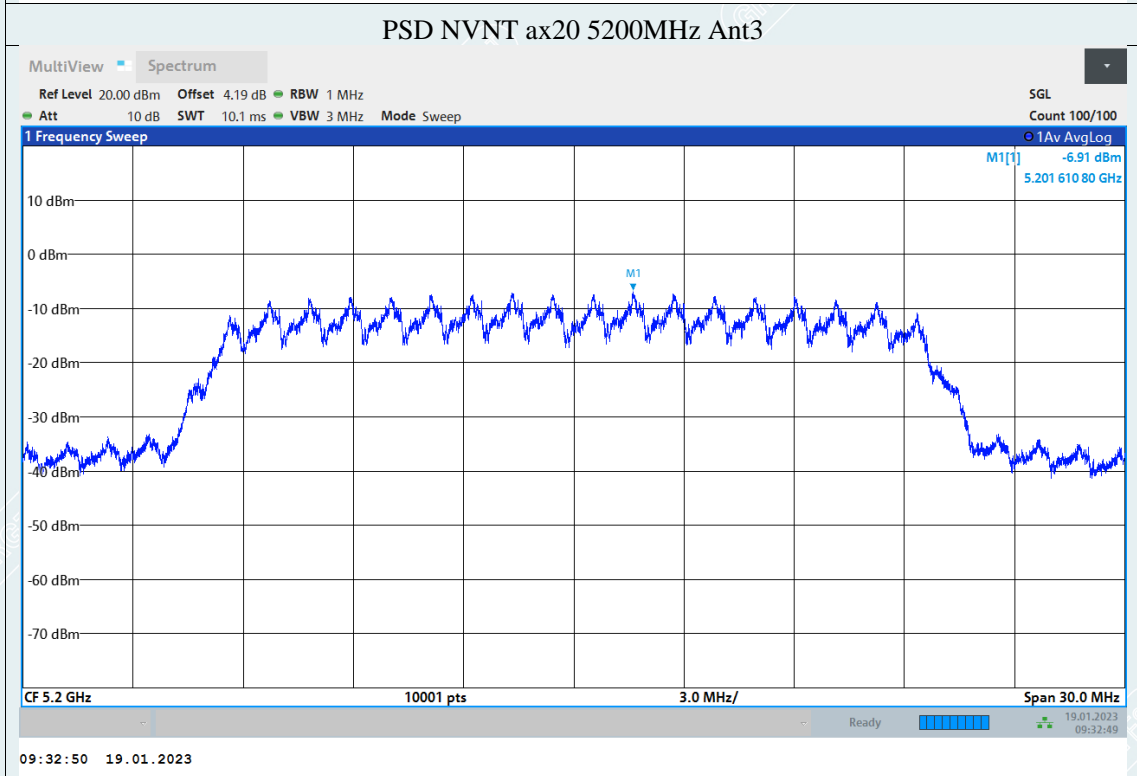
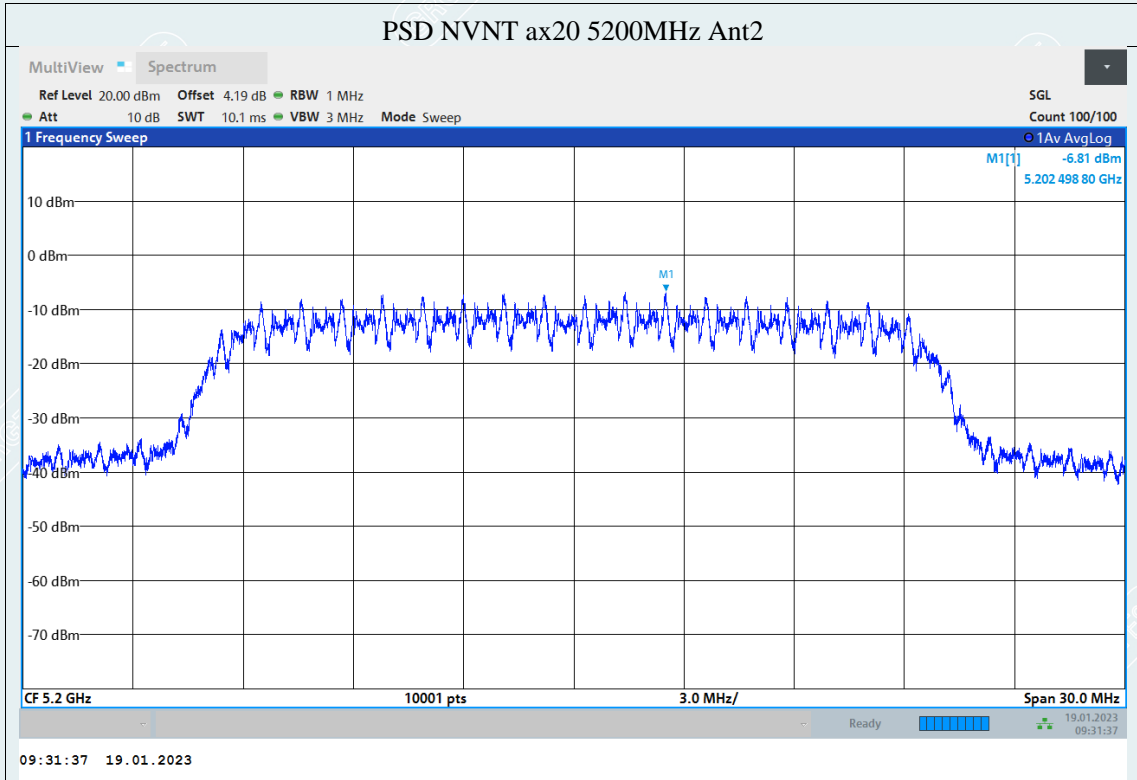


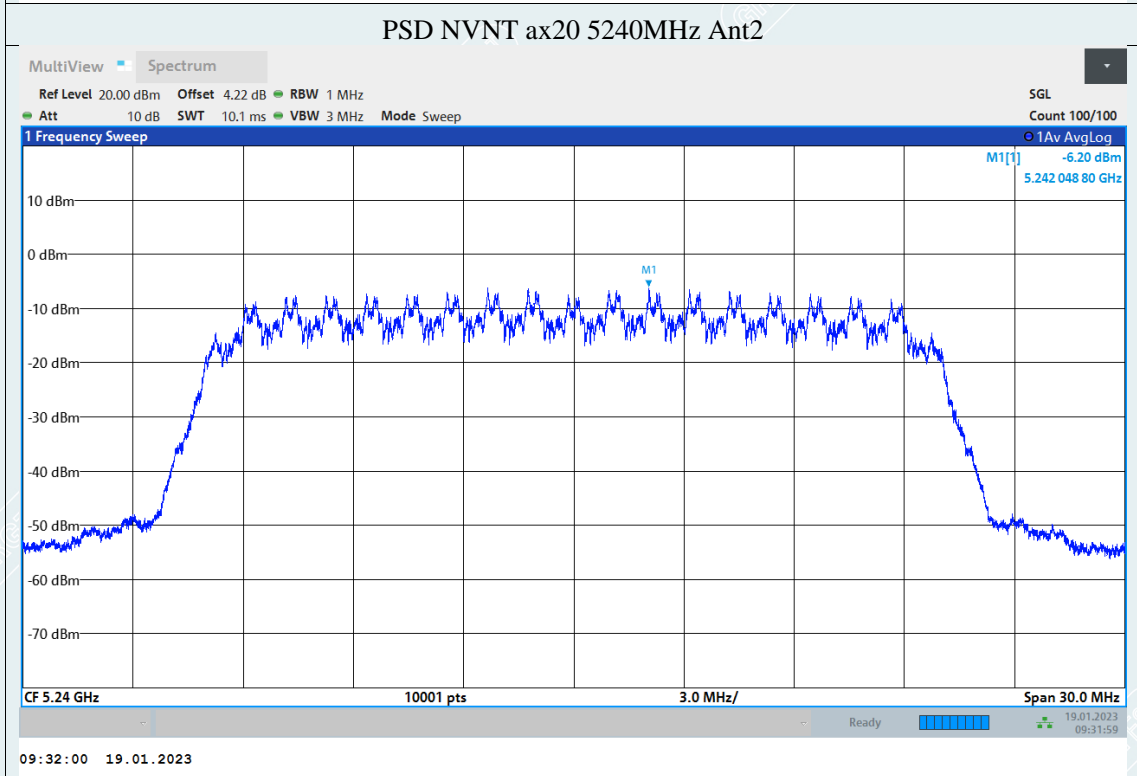
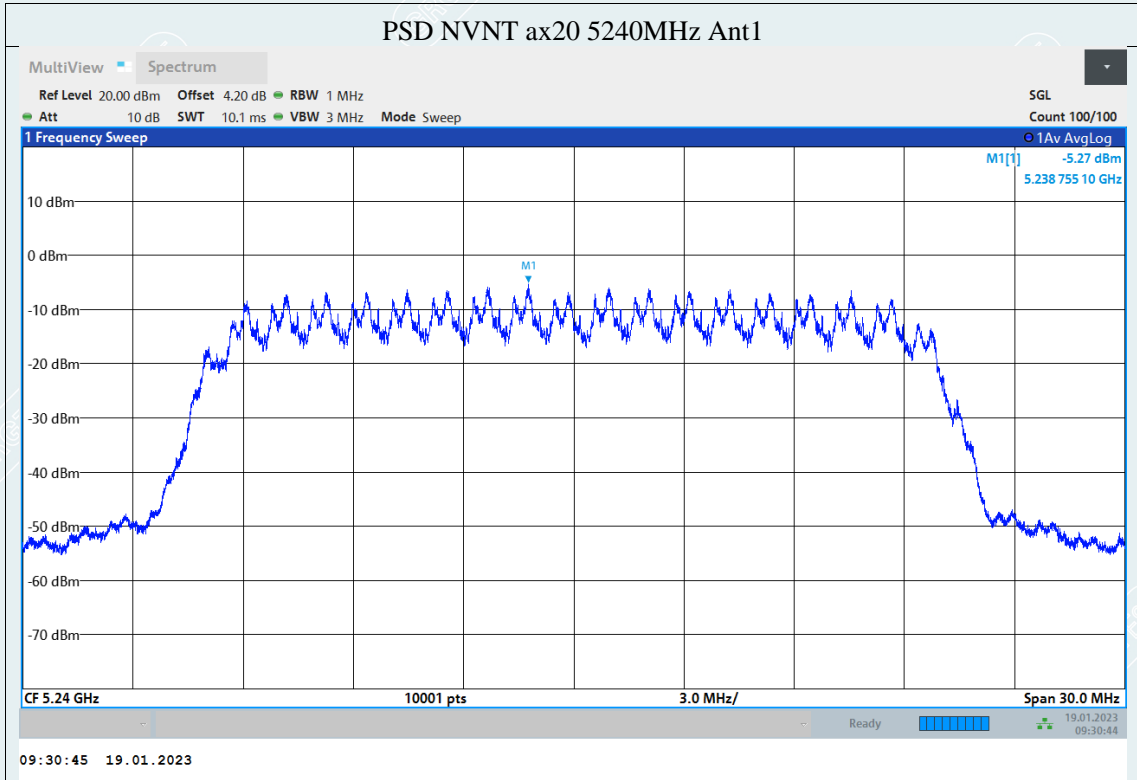




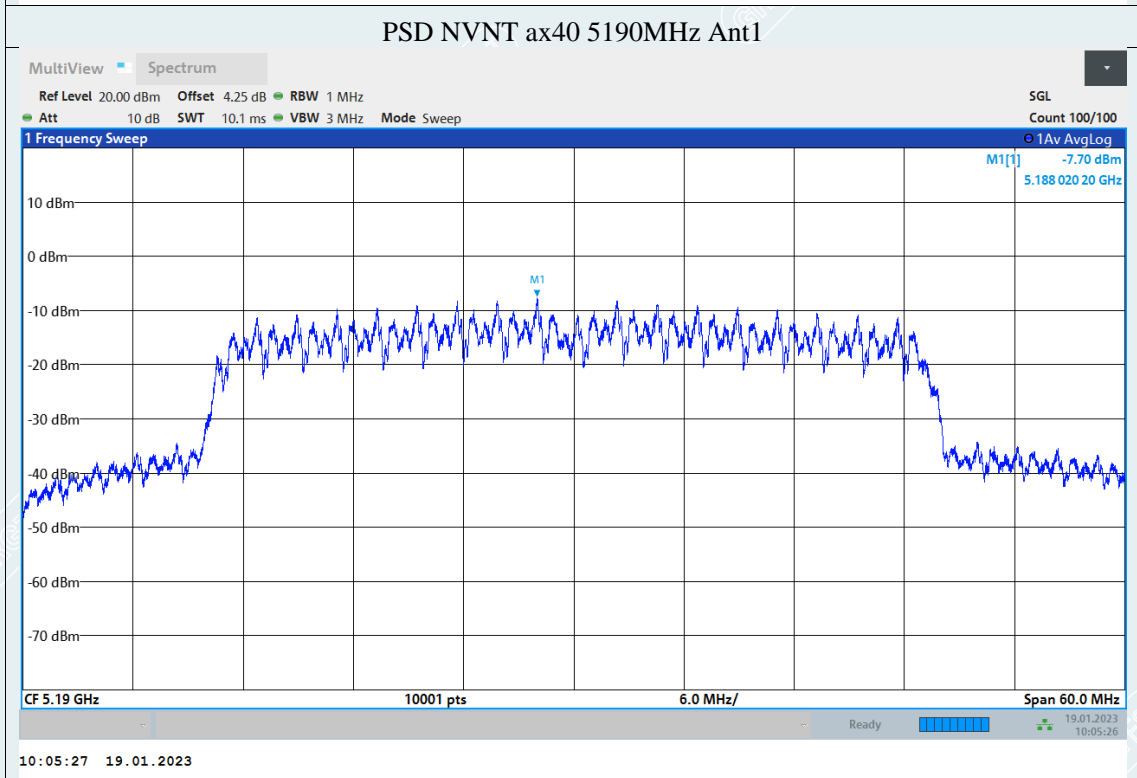
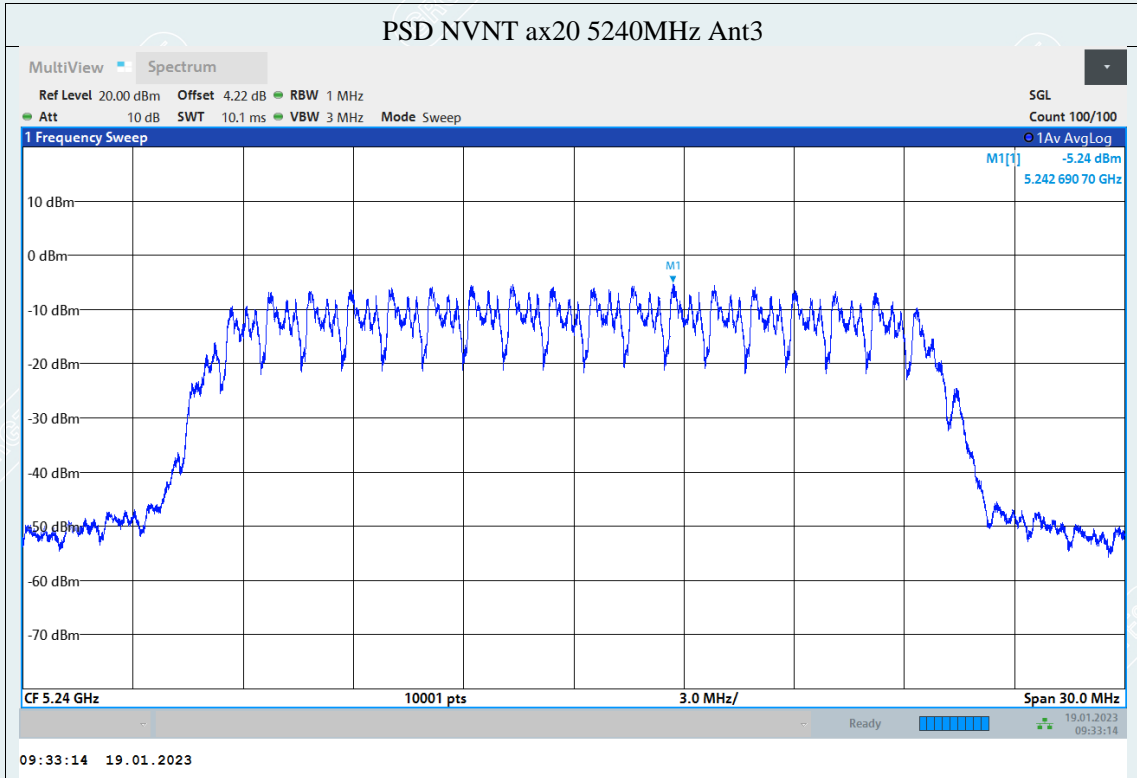


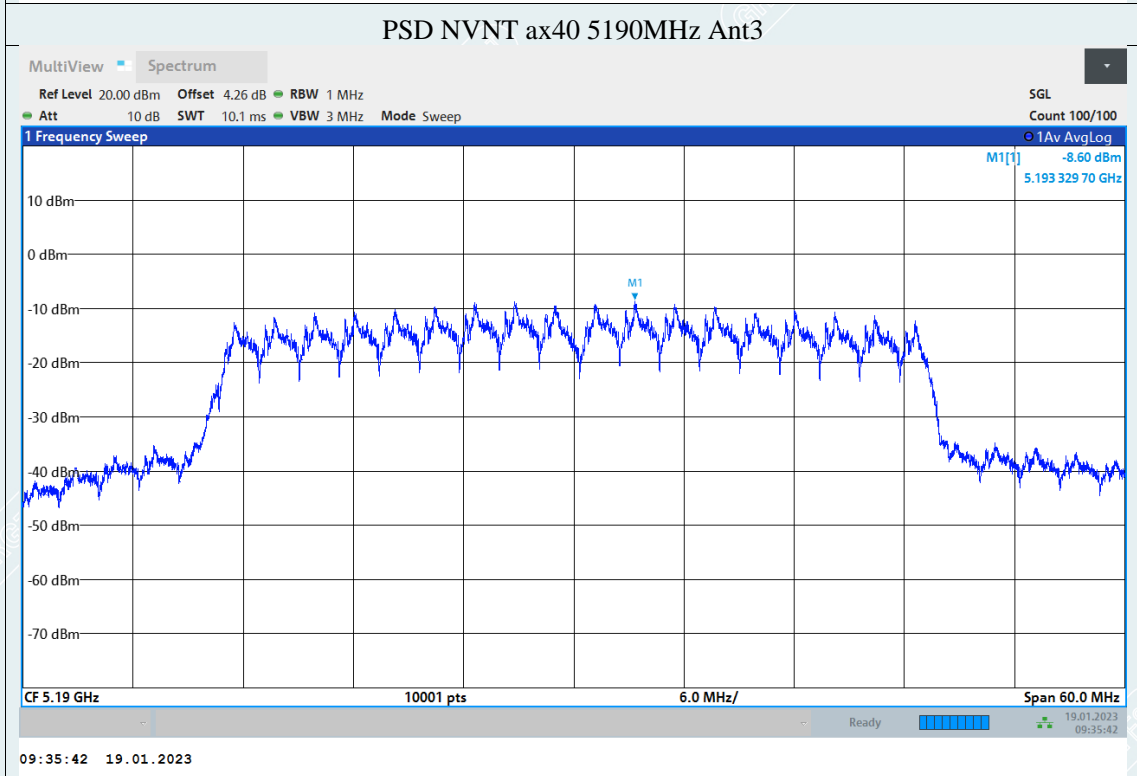
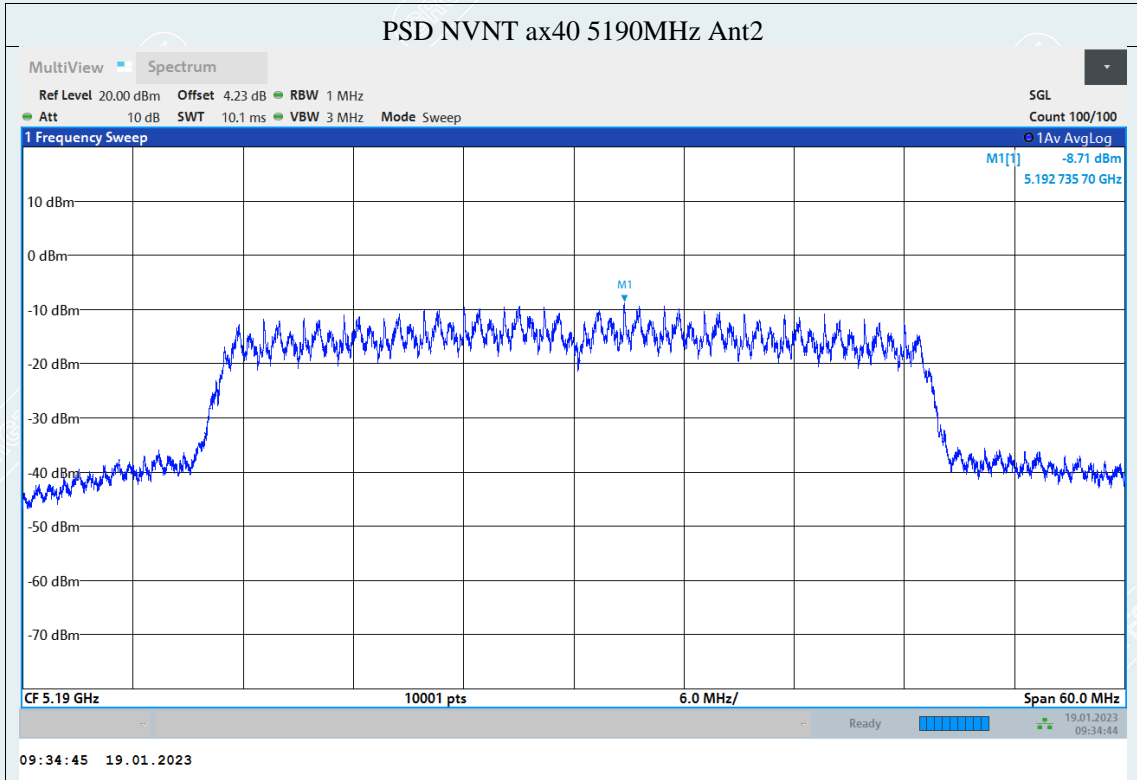


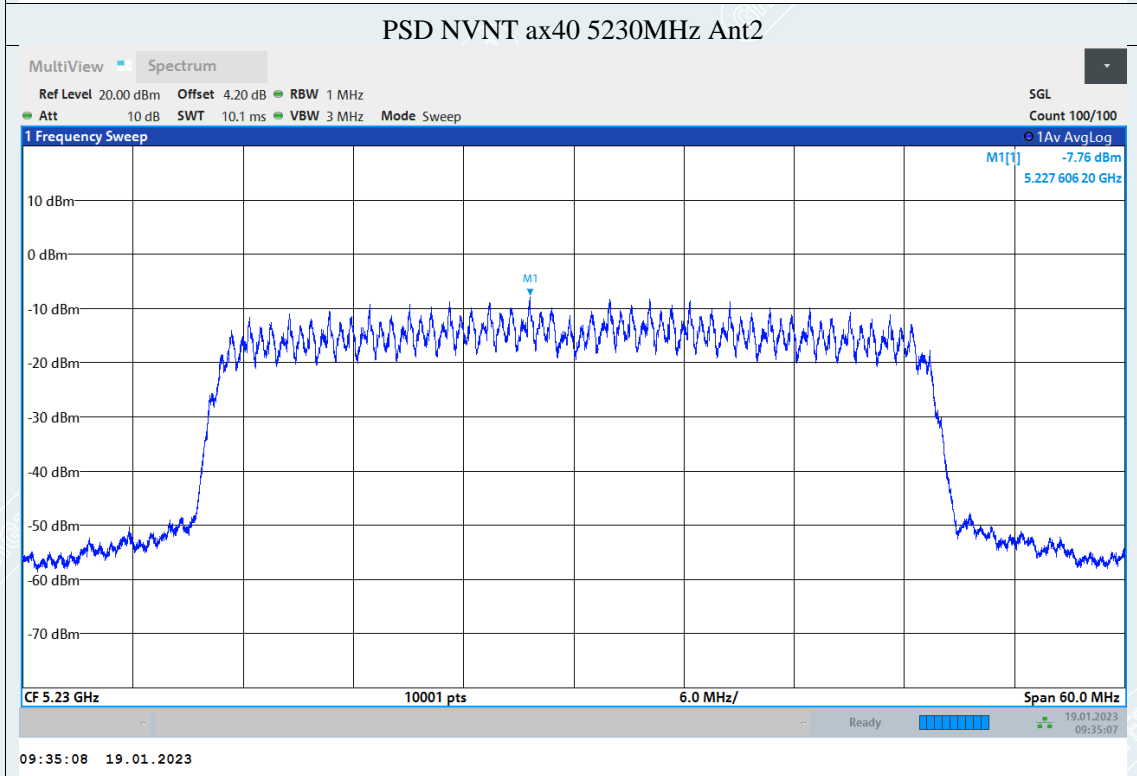
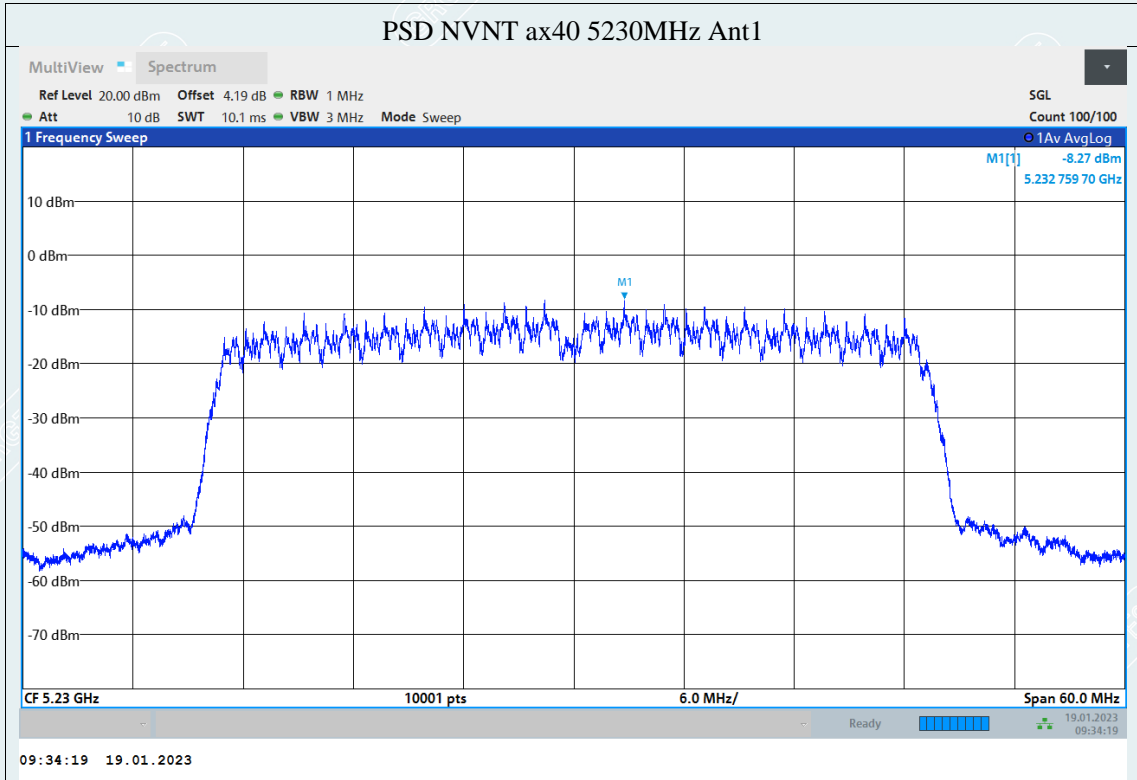


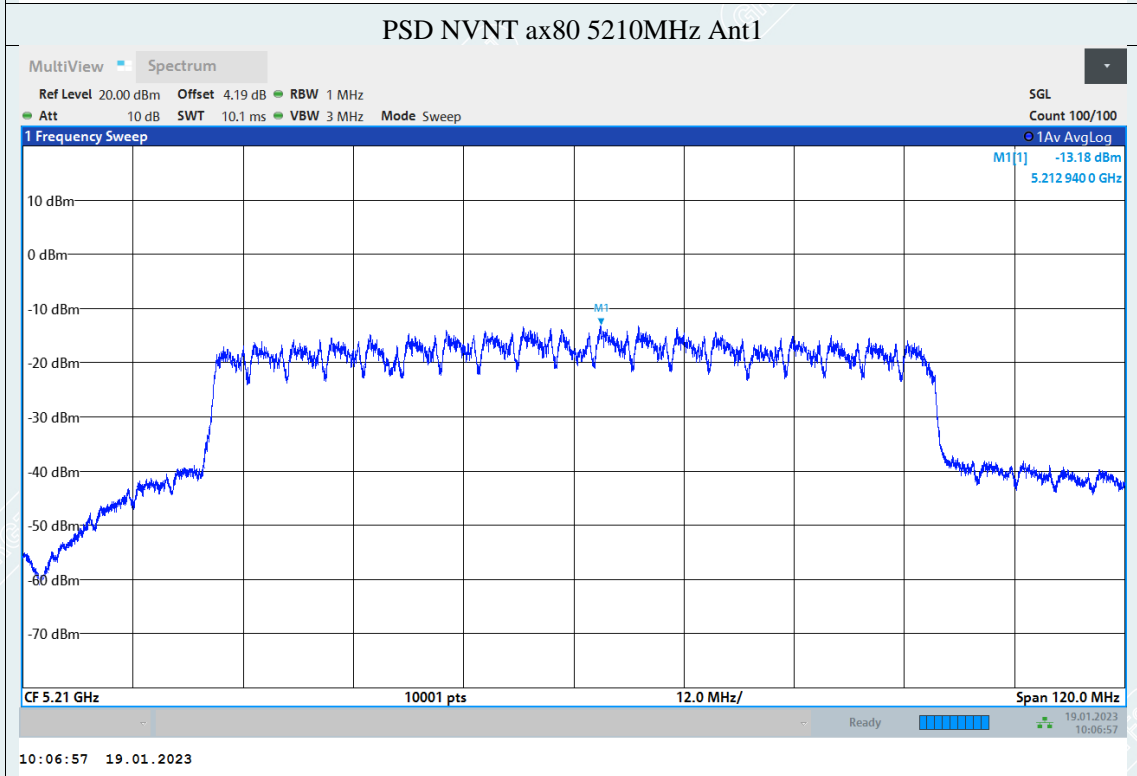
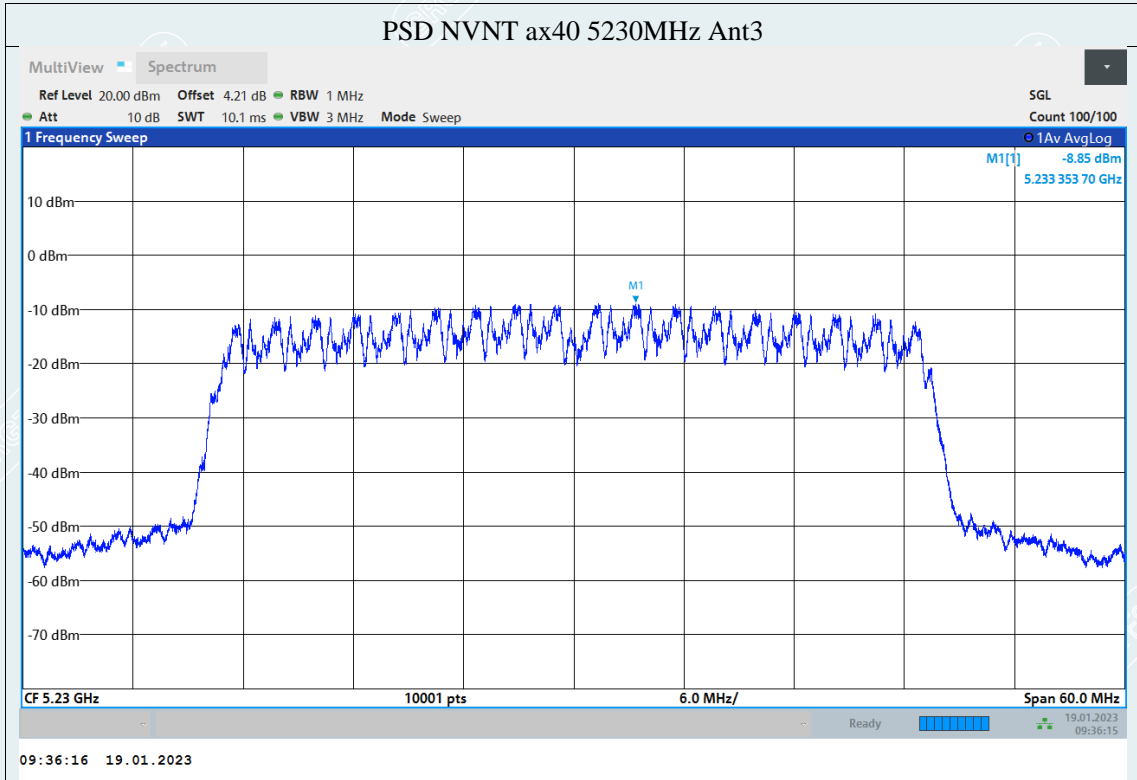


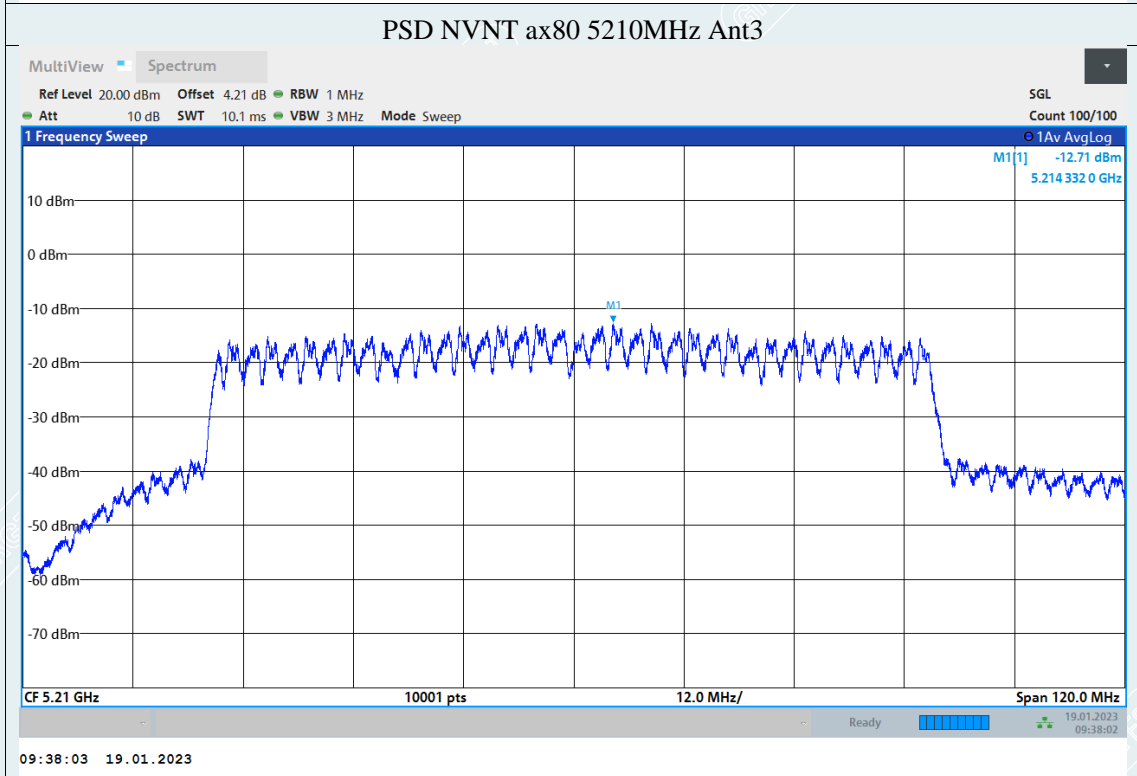
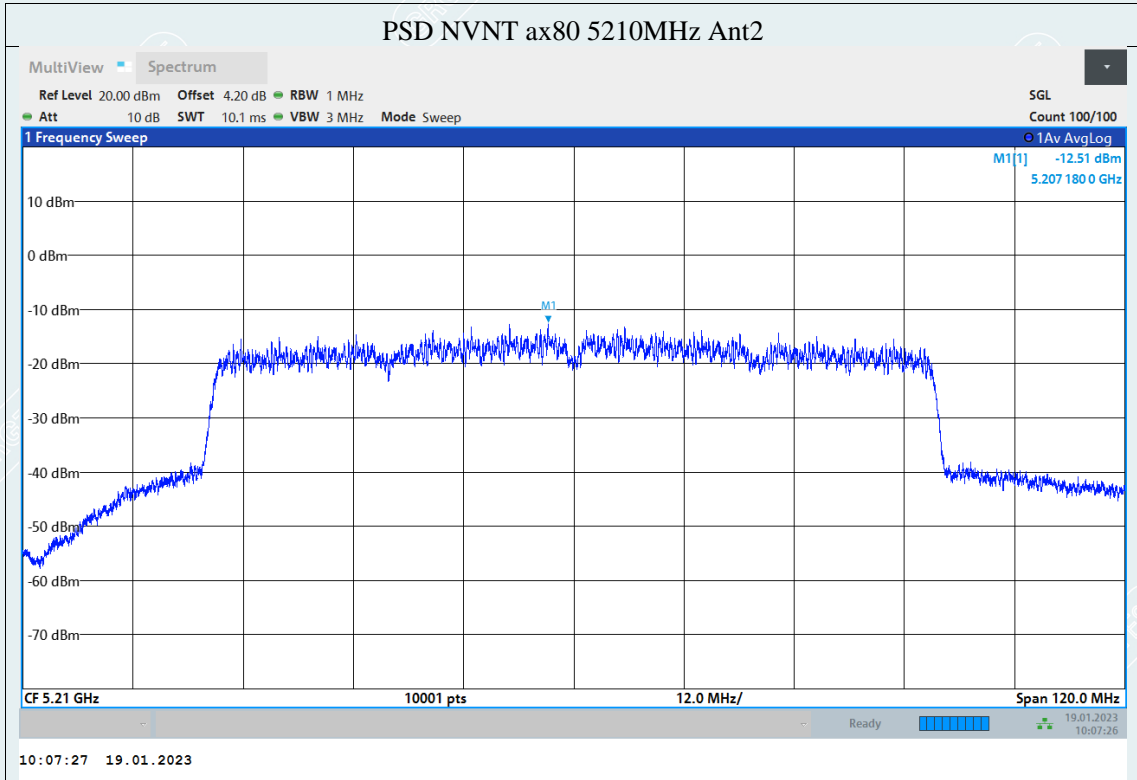












**BAND U-NII-2A:**

Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
a	5260	Ant1	-0.41	0.17	-0.24	11	Pass
a	5260	Ant2	-0.28	0.17	-0.11	11	Pass
a	5260	Ant3	-0.48	0.17	-0.31	11	Pass
a	5280	Ant1	-0.51	0.17	-0.34	11	Pass
a	5280	Ant2	-0.43	0.17	-0.26	11	Pass
a	5280	Ant3	-0.63	0.17	-0.46	11	Pass
a	5320	Ant1	-0.73	0.17	-0.56	11	Pass
a	5320	Ant2	0.14	0.17	0.31	11	Pass
a	5320	Ant3	-0.43	0.17	-0.26	11	Pass
n20	5260	Ant1	-0.36	0.18	-0.18	8.98	Pass
n20	5260	Ant2	-0.99	0.18	-0.81	8.98	Pass
n20	5260	Ant3	-0.45	0.18	-0.27	8.98	Pass
n20	5260	Sum	4.18	-	4.36	8.98	Pass
n20	5280	Ant1	-0.75	0.18	-0.57	8.98	Pass
n20	5280	Ant2	-0.88	0.18	-0.7	8.98	Pass
n20	5280	Ant3	-0.01	0.18	0.17	8.98	Pass
n20	5280	Sum	4.24	-	4.42	8.98	Pass
n20	5320	Ant1	-0.85	0.18	-0.67	8.98	Pass
n20	5320	Ant2	-1.35	0.18	-1.17	8.98	Pass
n20	5320	Ant3	-1.13	0.18	-0.95	8.98	Pass
n20	5320	Sum	3.67	-	3.85	8.98	Pass
n40	5270	Ant1	-4.7	0.36	-4.34	8.98	Pass
n40	5270	Ant2	-4.92	0.36	-4.56	8.98	Pass
n40	5270	Ant3	-4.98	0.36	-4.62	8.98	Pass
n40	5270	Sum	-0.09	-	0.27	8.98	Pass
n40	5310	Ant1	-4.73	0.36	-4.37	8.98	Pass
n40	5310	Ant2	-3.89	0.36	-3.53	8.98	Pass
n40	5310	Ant3	-3.46	0.36	-3.1	8.98	Pass
n40	5310	Sum	0.78	-	1.14	8.98	Pass
ac20	5260	Ant1	-1.21	0.18	-1.03	8.98	Pass
ac20	5260	Ant2	-0.31	0.18	-0.13	8.98	Pass
ac20	5260	Ant3	-0.56	0.18	-0.38	8.98	Pass
ac20	5260	Sum	4.09	-	4.27	8.98	Pass
ac20	5280	Ant1	-0.53	0.18	-0.35	8.98	Pass
ac20	5280	Ant2	-0.41	0.18	-0.23	8.98	Pass
ac20	5280	Ant3	-0.37	0.18	-0.19	8.98	Pass
ac20	5280	Sum	4.33	-	4.51	8.98	Pass
ac20	5320	Ant1	-0.76	0.18	-0.58	8.98	Pass
ac20	5320	Ant2	-0.57	0.18	-0.39	8.98	Pass
ac20	5320	Ant3	-0.73	0.18	-0.55	8.98	Pass

ac20	5320	Sum	4.09	-	4.27	8.98	Pass
ac40	5270	Ant1	-3.85	0.36	-3.49	8.98	Pass
ac40	5270	Ant2	-4.55	0.36	-4.19	8.98	Pass
ac40	5270	Ant3	-4.55	0.35	-4.2	8.98	Pass
ac40	5270	Sum	0.46	-	0.82	8.98	Pass
ac40	5310	Ant1	-5.01	0.36	-4.65	8.98	Pass
ac40	5310	Ant2	-5.14	0.35	-4.79	8.98	Pass
ac40	5310	Ant3	-4.99	0.35	-4.64	8.98	Pass
ac40	5310	Sum	-0.27	-	0.08	8.98	Pass
ac80	5290	Ant1	-11.37	0.69	-10.68	8.98	Pass
ac80	5290	Ant2	-11.77	0.69	-11.08	8.98	Pass
ac80	5290	Ant3	-9.3	0.68	-8.62	8.98	Pass
ac80	5290	Sum	-5.9	-	-5.22	8.98	Pass
ax20	5260	Ant1	-4.35	0.69	-3.66	8.98	Pass
ax20	5260	Ant2	-5.35	0.71	-4.64	8.98	Pass
ax20	5260	Ant3	-6.71	0.71	-6	8.98	Pass
ax20	5260	Sum	-0.59	-	0.11	8.98	Pass
ax20	5280	Ant1	-5.26	0.71	-4.55	8.98	Pass
ax20	5280	Ant2	-6.52	0.71	-5.81	8.98	Pass
ax20	5280	Ant3	-4.17	0.71	-3.46	8.98	Pass
ax20	5280	Sum	-0.44	-	0.27	8.98	Pass
ax20	5320	Ant1	-6.83	0.71	-6.12	8.98	Pass
ax20	5320	Ant2	-5.36	0.71	-4.65	8.98	Pass
ax20	5320	Ant3	-5.26	0.69	-4.57	8.98	Pass
ax20	5320	Sum	-0.99	-	-0.28	8.98	Pass
ax40	5270	Ant1	-8.93	0.72	-8.21	8.98	Pass
ax40	5270	Ant2	-7.69	0.72	-6.97	8.98	Pass
ax40	5270	Ant3	-9.56	0.7	-8.86	8.98	Pass
ax40	5270	Sum	-3.89	-	-3.17	8.98	Pass
ax40	5310	Ant1	-8.1	0.72	-7.38	8.98	Pass
ax40	5310	Ant2	-9.01	0.72	-8.29	8.98	Pass
ax40	5310	Ant3	-8.28	0.72	-7.56	8.98	Pass
ax40	5310	Sum	-3.67	-	-2.95	8.98	Pass
ax80	5290	Ant1	-11.4	0.75	-10.65	8.98	Pass
ax80	5290	Ant2	-9.59	0.75	-8.84	8.98	Pass
ax80	5290	Ant3	-11.46	0.75	-10.71	8.98	Pass
ax80	5290	Sum	-5.95	-	-5.2	8.98	Pass
ax160	5250	Ant1	-15.29	0.75	-14.54	8.98	Pass
ax160	5250	Ant2	-14.07	0.75	-13.32	8.98	Pass
ax160	5250	Ant3	-11.67	0.74	-10.93	8.98	Pass
ax160	5250	Sum	-8.64	-	-7.89	8.98	Pass

