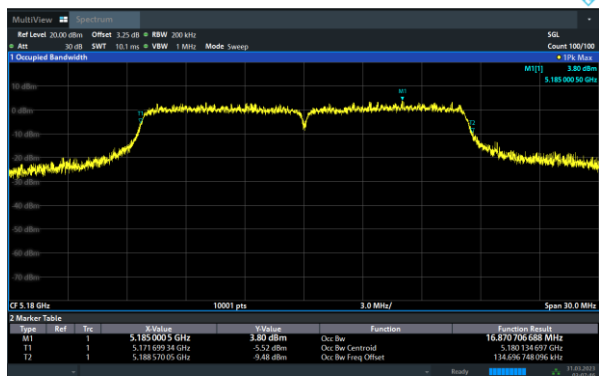




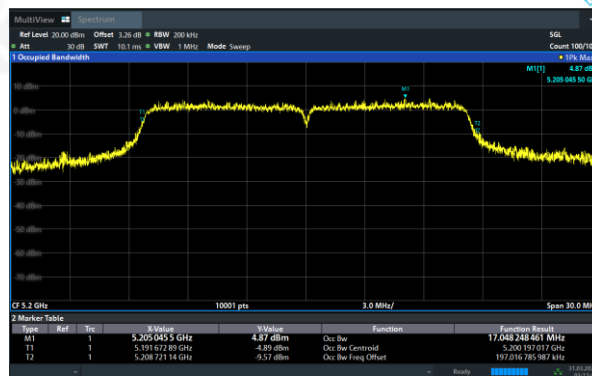
Test plot:
For U-III-1

11a CH36



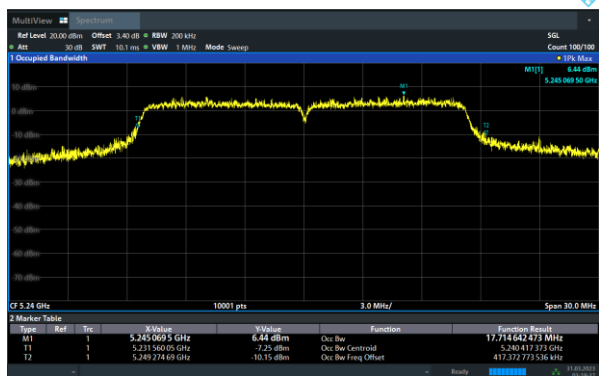
03:07:47 31.03.2023

11a CH40



03:12:49 31.03.2023

11a CH48



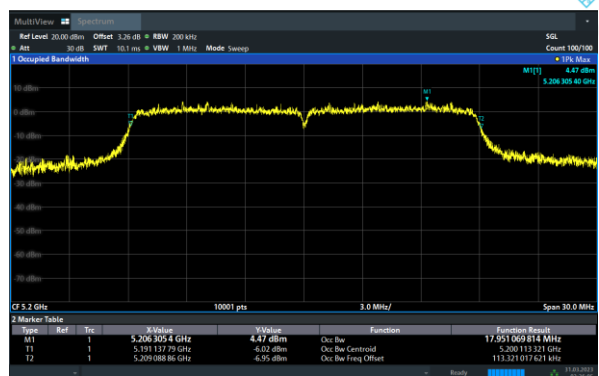
03:19:38 31.03.2023

11n (HT20) CH36



03:25:58 31.03.2023

11n (HT20) CH40



03:34:06 31.03.2023

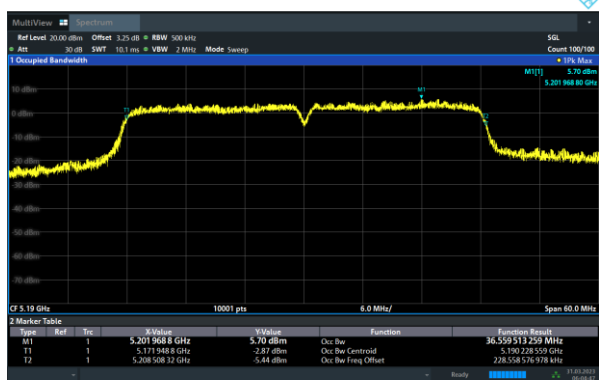
11n (HT20) CH48



03:31:13 31.03.2023

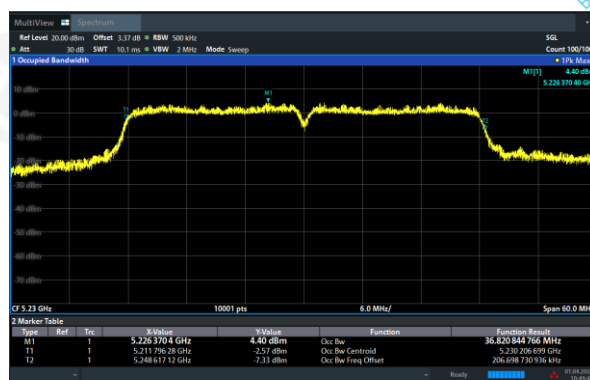


11n (HT40) CH38



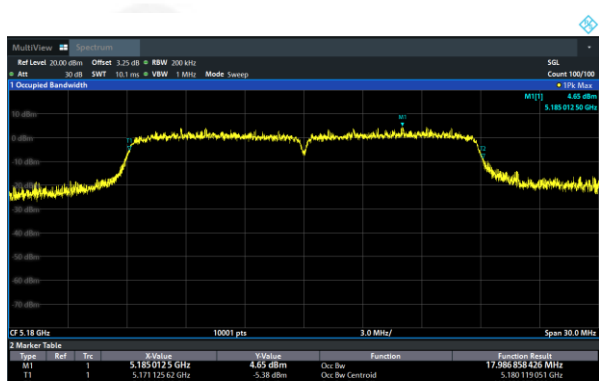
06:04:48 31.03.2023

11n (HT40) CH46



10:49:43 01.04.2023

11ac (HT20) CH36



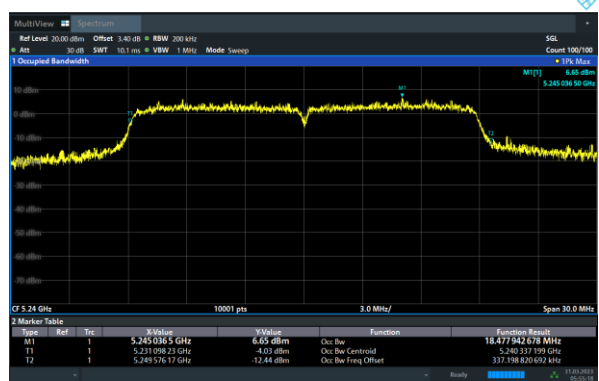
05:42:00 31.03.2023

11ac (HT20) CH40



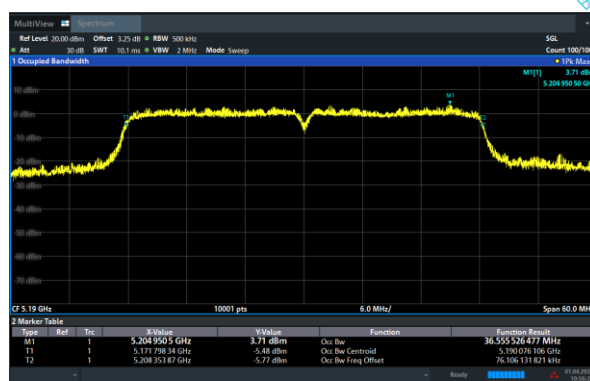
05:48:16 31.03.2023

11ac (HT20) CH48



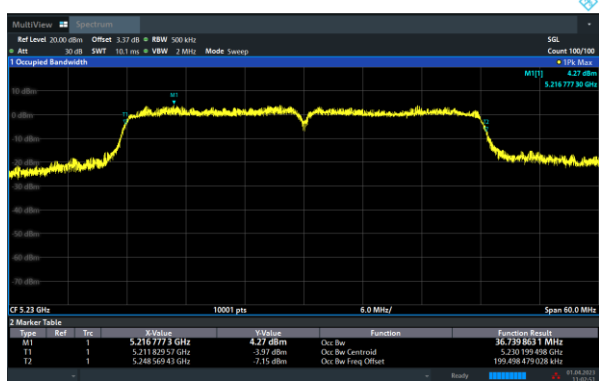
09:55:58 31.03.2023

11ac (HT40) CH38



10:56:29 01.04.2023

11ac (HT40) CH46



11:02:58 01.04.2023

11ac (HT80) CH42



11:57:15 01.04.2023



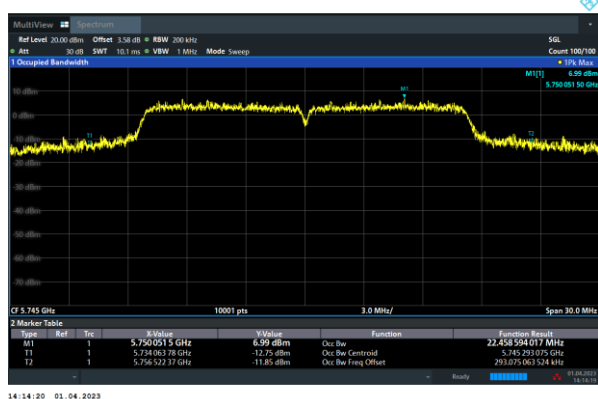
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	DC 5V from adapter AC 120V/60Hz
Test Mode :	ANT 1 U-NII-3 802.11a/n20/n40/ac20/ac40/ac80		

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5745	Ant1	22.459
a	5785	Ant1	21.212
a	5825	Ant1	19.65
n20	5745	Ant1	22.48
n20	5785	Ant1	21.167
n20	5825	Ant1	19.841
n40	5755	Ant1	43.846
n40	5795	Ant1	40.117
ac20	5745	Ant1	22.367
ac20	5785	Ant1	20.949
ac20	5825	Ant1	19.524
ac40	5755	Ant1	44.127
ac40	5795	Ant1	40.11
ac80	5775	Ant1	86.373

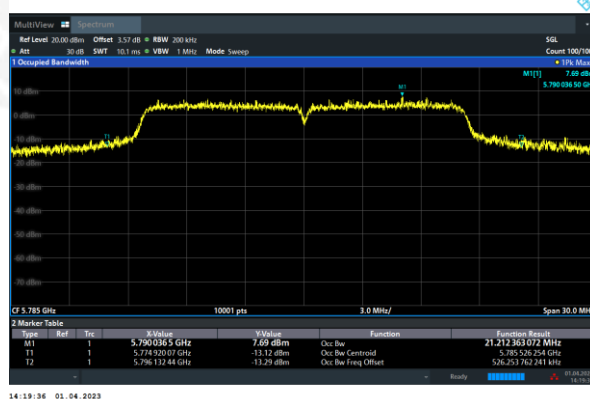


For U-NII-3

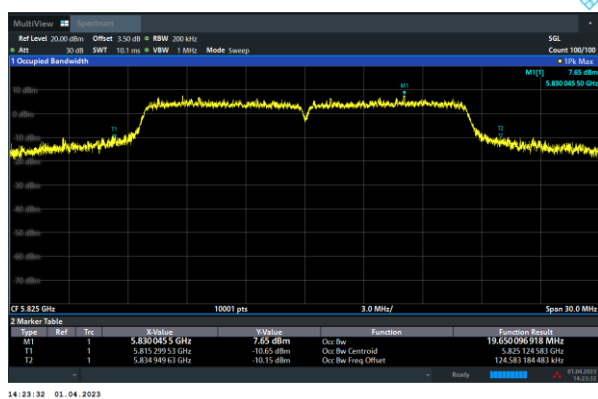
11a CH149



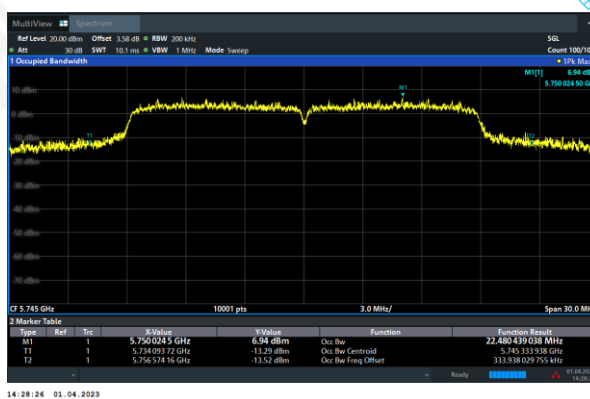
11a CH157



11a CH165



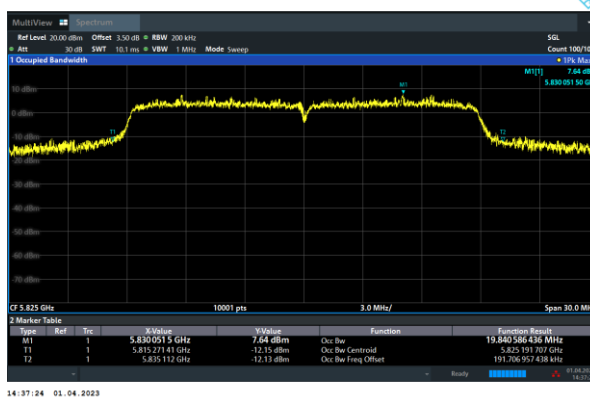
11n(HT20) CH149



11n(HT20) CH157

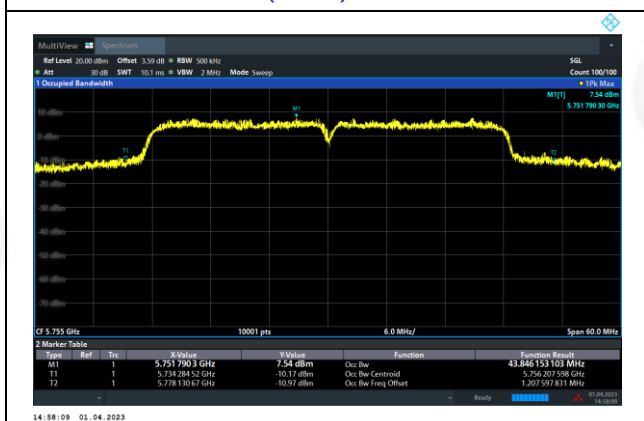


11n(HT20) CH165

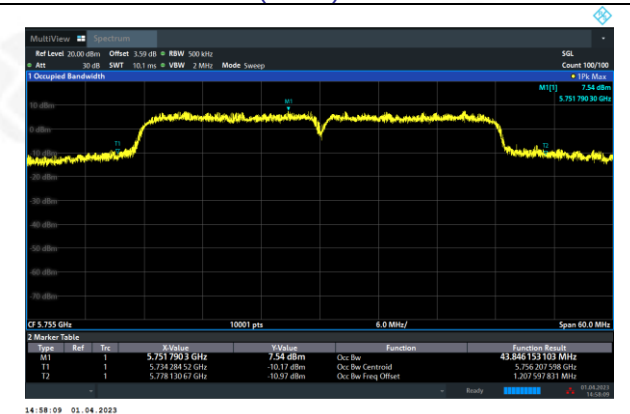




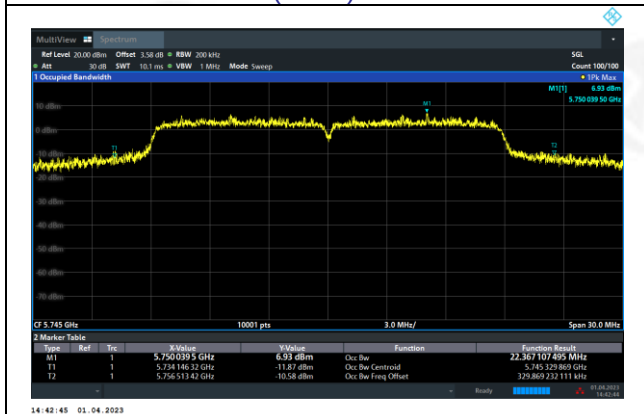
11n (HT40) CH151



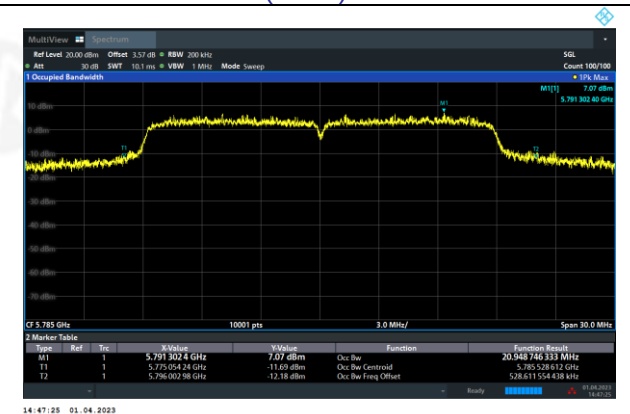
11n (HT40) CH159



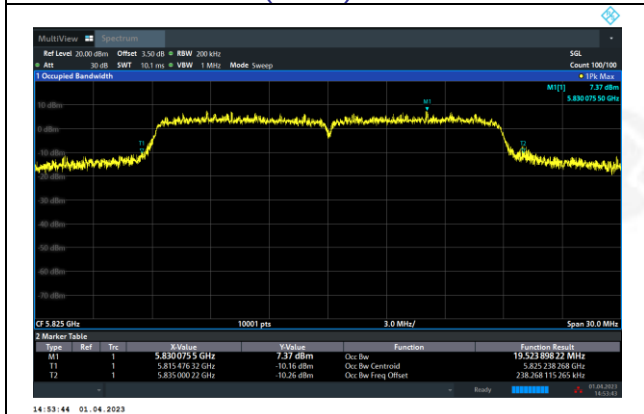
11ac (HT20) CH149



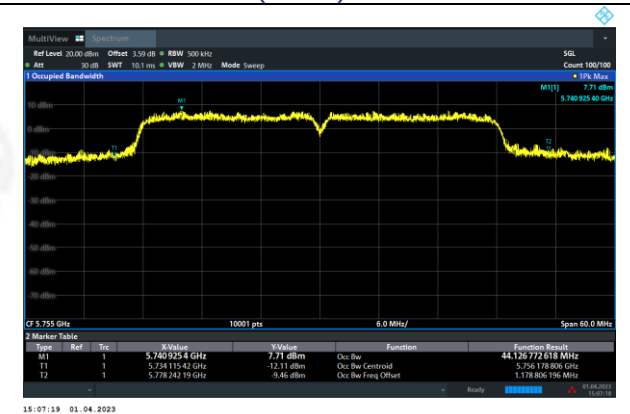
11ac (HT20) CH157



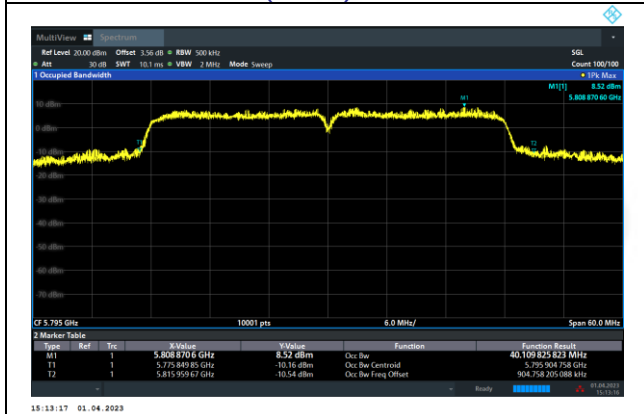
11ac(HT20) CH165



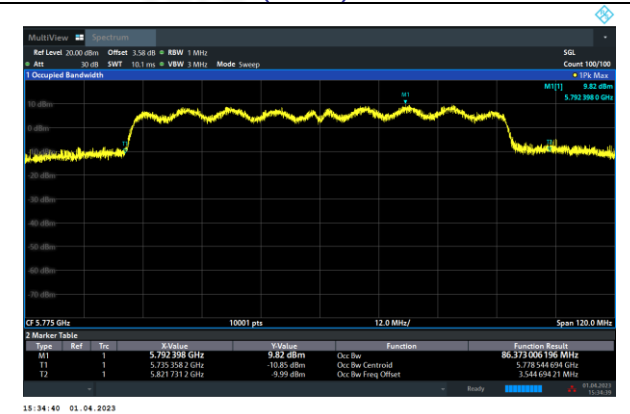
11ac(HT40) CH151



11ac(HT40) CH159



11ac (HT80) CH155





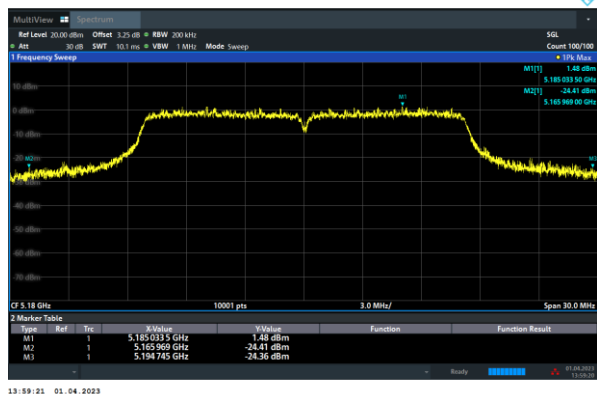
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	DC 5V from adapter AC 120V/60Hz
Test Mode :	ANT 2 U-NII-1 802.11a/n20/n40/ac20/ac40/ac80		

Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
a	5180	Ant2	28.776	/	Pass
a	5200	Ant2	27.75	/	Pass
a	5240	Ant2	29.958	/	Pass
n20	5180	Ant2	27.336	/	Pass
n20	5200	Ant2	27.444	/	Pass
n20	5240	Ant2	29.934	/	Pass
n40	5190	Ant2	55.05	/	Pass
n40	5230	Ant2	59.298	/	Pass
ac20	5180	Ant2	29.733	/	Pass
ac20	5200	Ant2	29.124	/	Pass
ac20	5240	Ant2	29.964	/	Pass
ac40	5190	Ant2	56.616	/	Pass
ac40	5230	Ant2	59.766	/	Pass
ac80	5210	Ant2	117	/	Pass



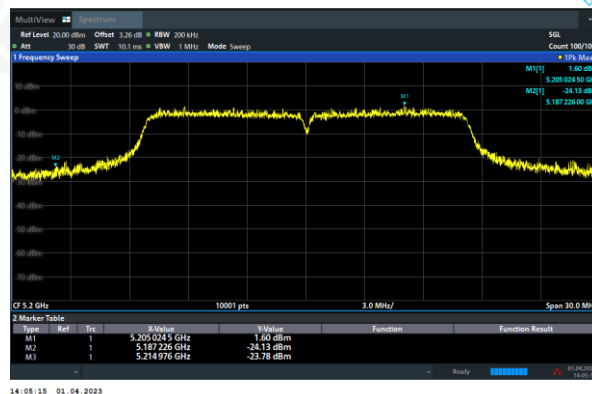
Test plot:
For U-NII-1

11a CH36



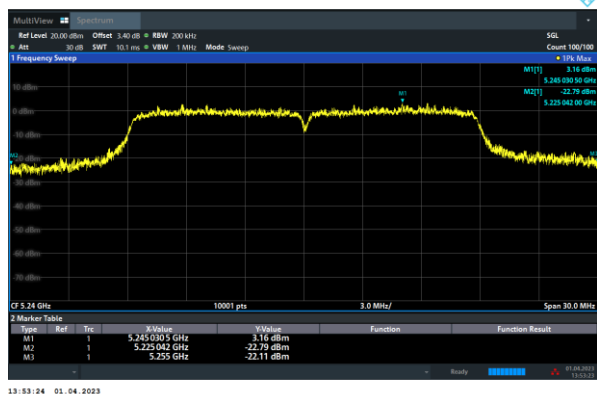
13:59:21 01.04.2023

11a CH40



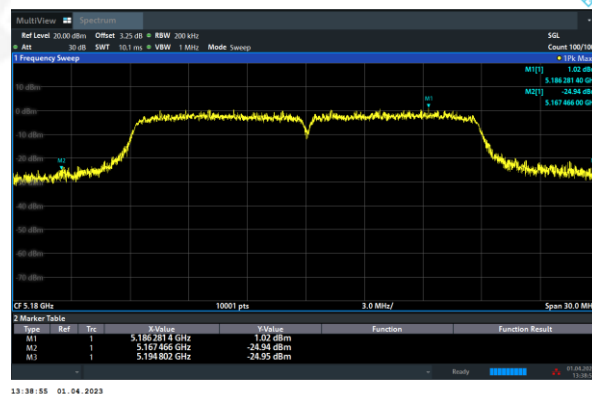
14:05:15 01.04.2023

11a CH48



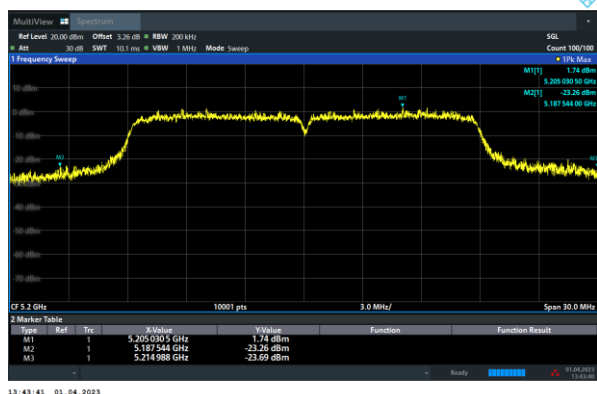
13:53:24 01.04.2023

11n (HT20) CH36



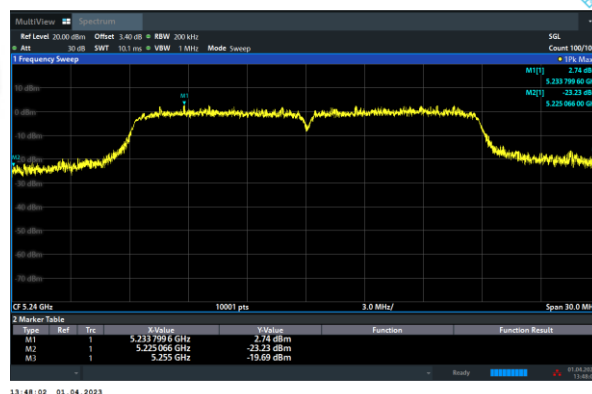
13:38:55 01.04.2023

11n (HT20) CH40



13:43:41 01.04.2023

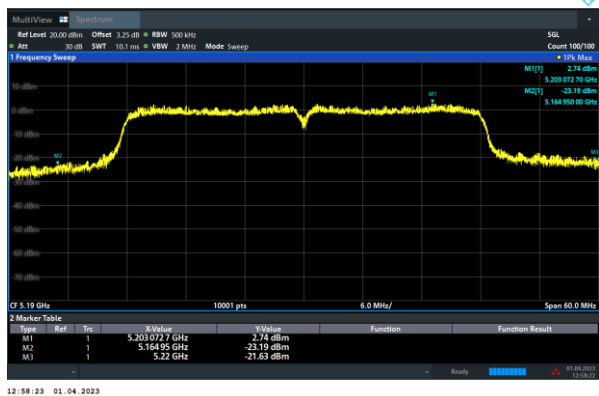
11n (HT20) CH48



13:48:02 01.04.2023



11n (HT40) CH38



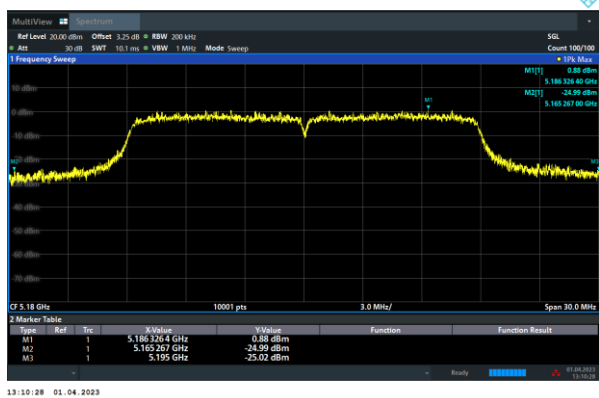
12:58:23 01.04.2023

11n (HT40) CH46



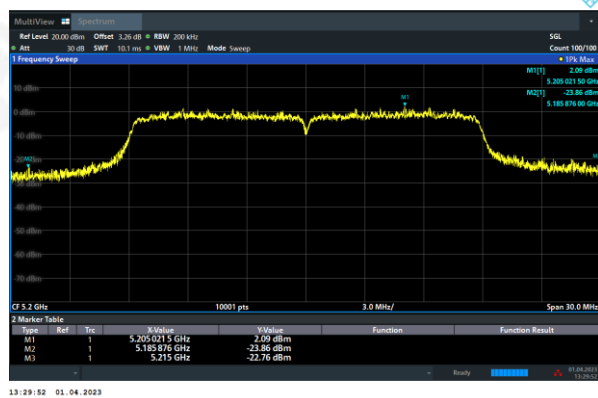
13:06:02 01.04.2023

11ac (HT20) CH36



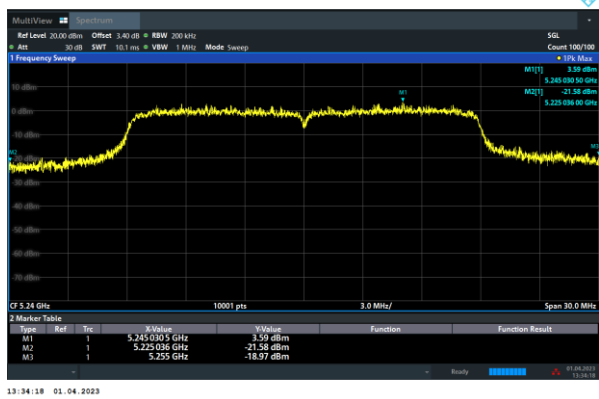
13:10:28 01.04.2023

11ac (HT20) CH40



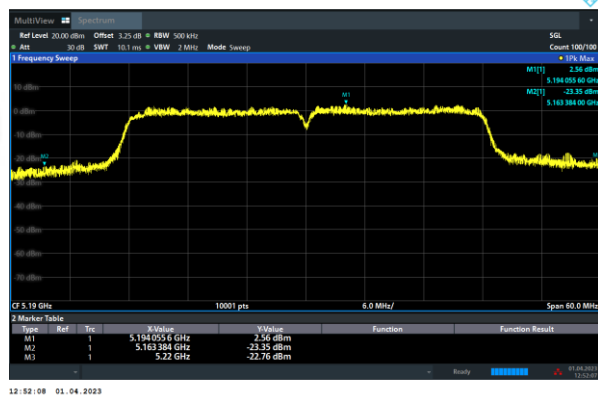
13:29:52 01.04.2023

11ac (HT20) CH48



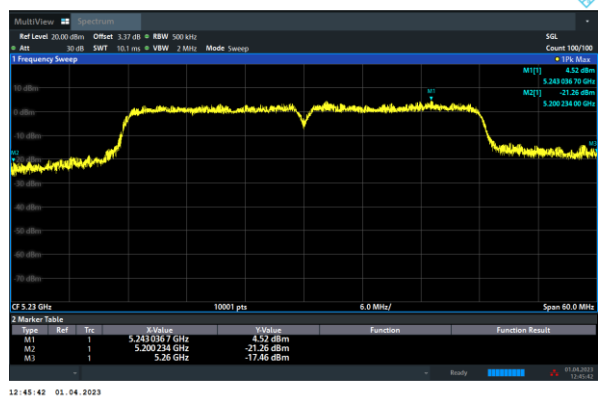
13:34:18 01.04.2023

11ac (HT40) CH38



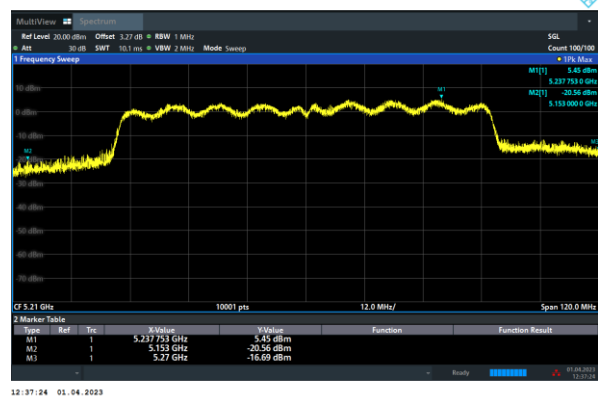
12:52:08 01.04.2023

11ac (HT40) CH46



12:45:42 01.04.2023

11ac (HT80) CH42



12:37:24 01.04.2023



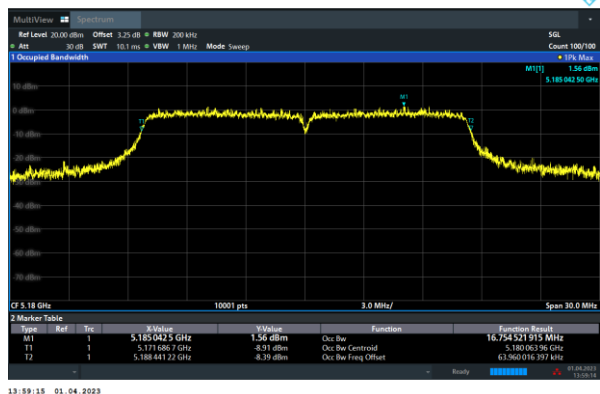
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	DC 5V from adapter AC 120V/60Hz
Test Mode :	ANT 2 U-NII-1 802.11a/n20/n40/ac20/ac40/ac80		

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5180	Ant2	16.755
a	5200	Ant2	16.764
a	5240	Ant2	18.153
n20	5180	Ant2	17.79
n20	5200	Ant2	17.857
n20	5240	Ant2	18.178
n40	5190	Ant2	36.501
n40	5230	Ant2	37.954
ac20	5180	Ant2	17.803
ac20	5200	Ant2	17.833
ac20	5240	Ant2	18.273
ac40	5190	Ant2	36.557
ac40	5230	Ant2	37.417
ac80	5210	Ant2	80.141

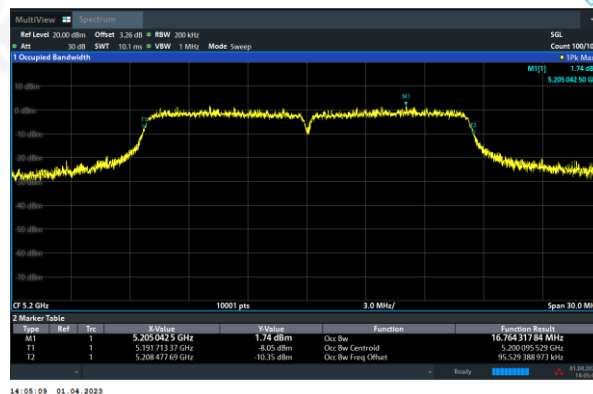


Test plot:
For U-III-1

11a CH36



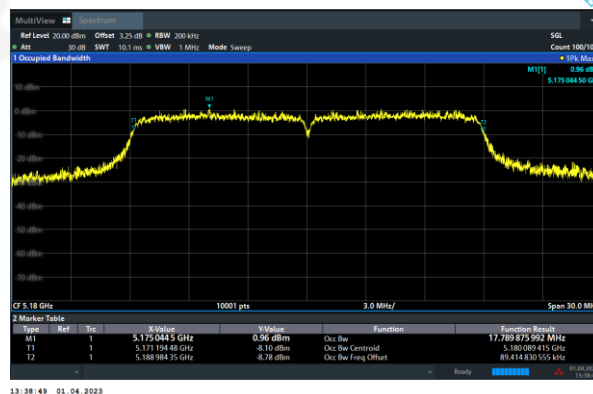
11a CH40



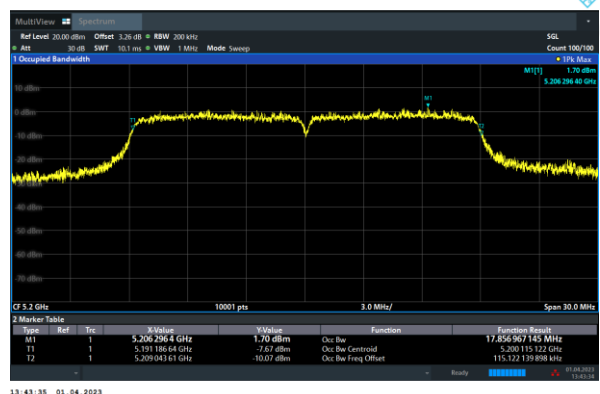
11a CH48



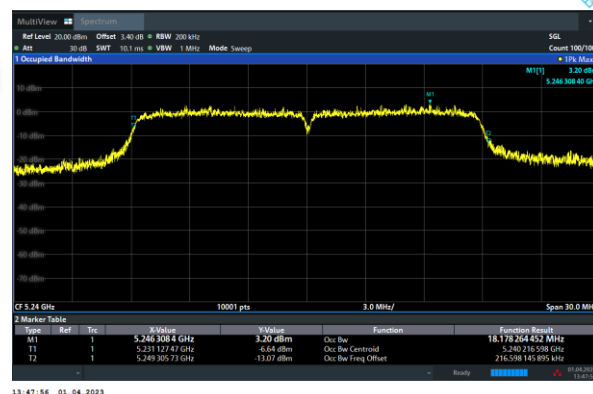
11n (HT20) CH36



11n (HT20) CH40



11n (HT20) CH48





11n (HT40) CH38



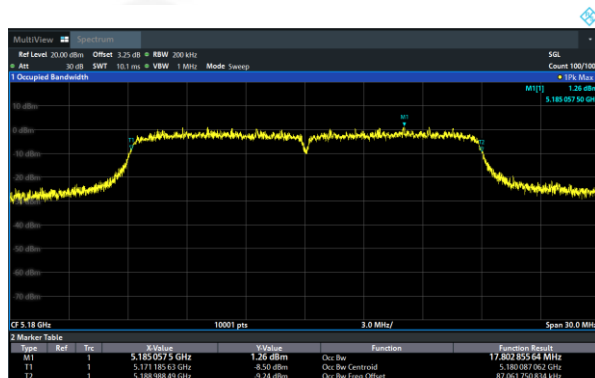
12:58:17 01.04.2023

11n (HT40) CH46



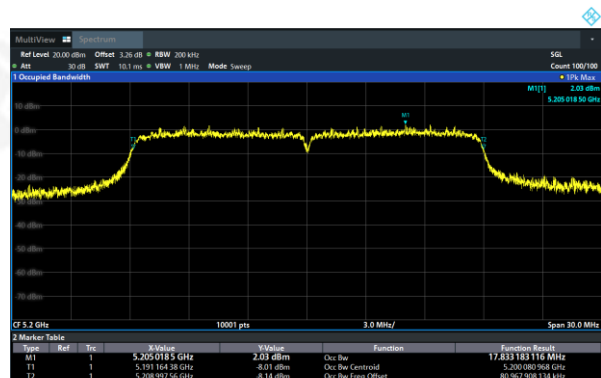
13:05:56 01.04.2023

11ac (HT20) CH36



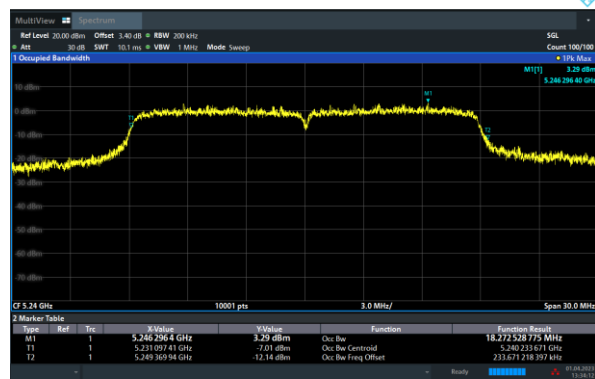
13:10:22 01.04.2023

11ac (HT20) CH40



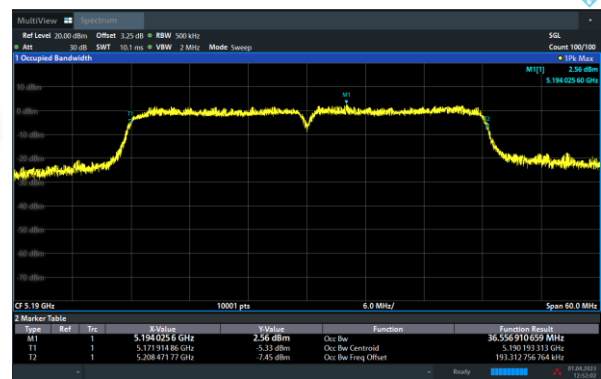
13:29:46 01.04.2023

11ac (HT20) CH48



13:34:12 01.04.2023

11ac (HT40) CH38



12:02:02 01.04.2023

11ac (HT40) CH46



12:45:36 01.04.2023

11ac (HT80) CH42



12:37:18 01.04.2023



Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	DC 5V from adapter AC 120V/60Hz
Test Mode :	ANT 2 U-NII-3 802.11a/n20/n40/ac20/ac40/ac80		

Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
a	5745	Ant2	22.593
a	5785	Ant2	21.236
a	5825	Ant2	19.651
n20	5745	Ant2	22.531
n20	5785	Ant2	21.162
n20	5825	Ant2	19.641
n40	5755	Ant2	44.276
n40	5795	Ant2	40.543
ac20	5745	Ant2	22.573
ac20	5785	Ant2	21.22
ac20	5825	Ant2	19.697
ac40	5755	Ant2	44.045
ac40	5795	Ant2	41.26
ac80	5775	Ant2	85.472



For U-NII-3

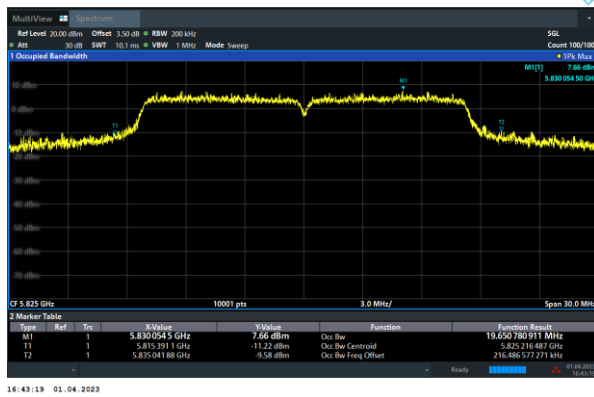
11a CH149



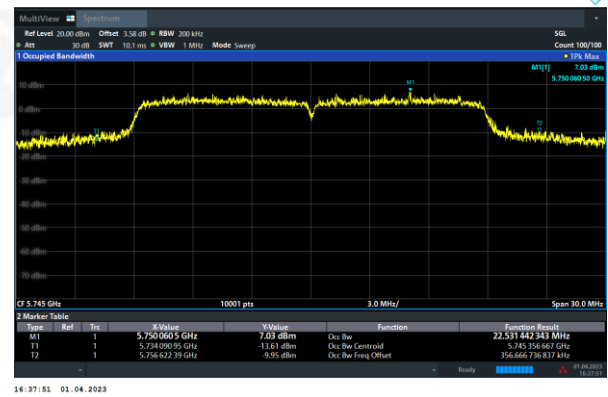
11a CH157



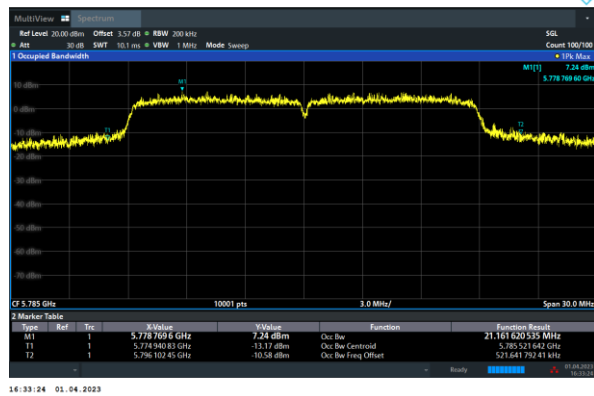
11a CH165



11n(HT20) CH149



11n(HT20) CH157

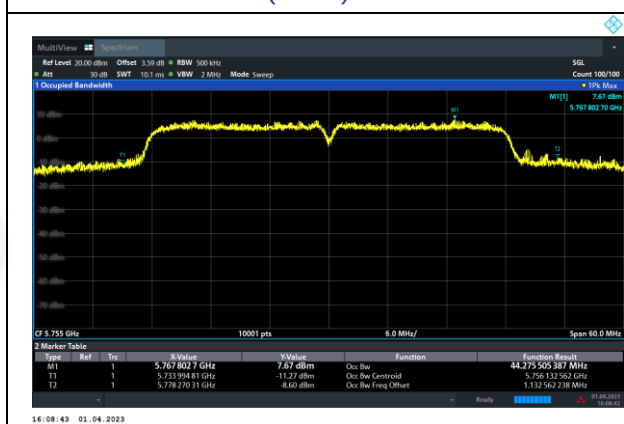


11n(HT20) CH165

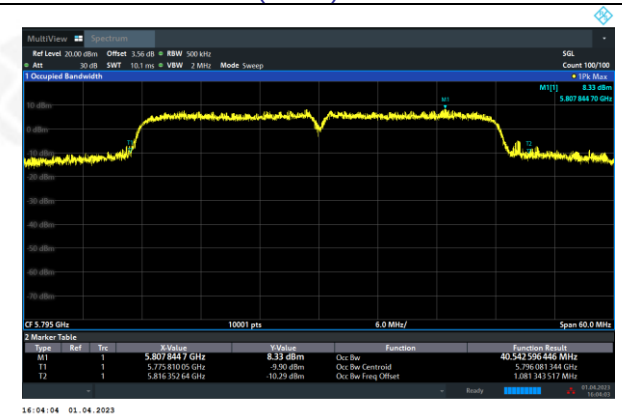




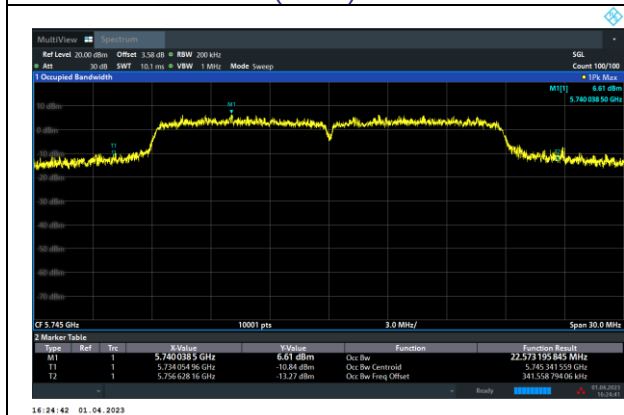
11n (HT40) CH151



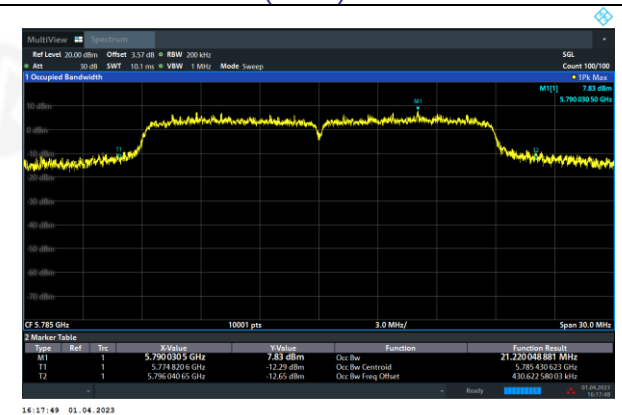
11n (HT40) CH159



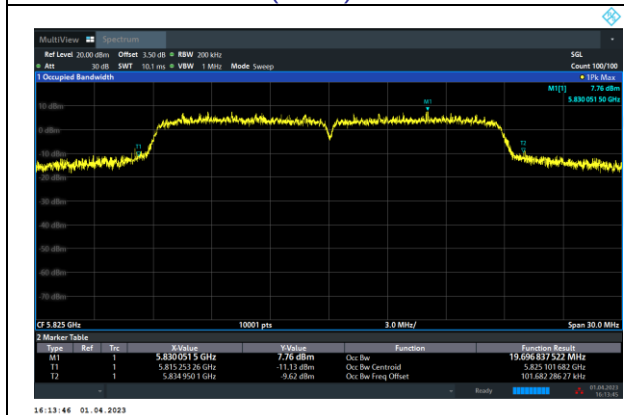
11ac (HT20) CH149



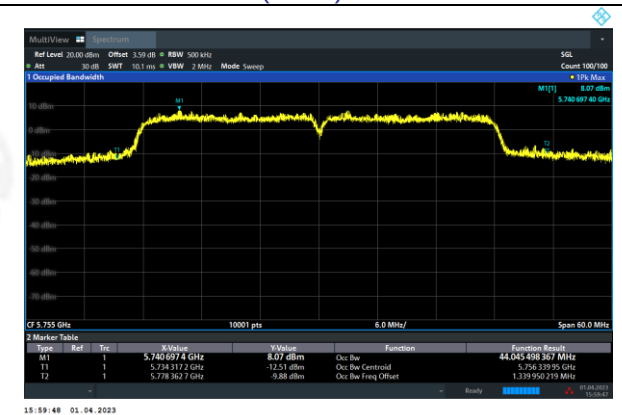
11ac (HT20) CH157



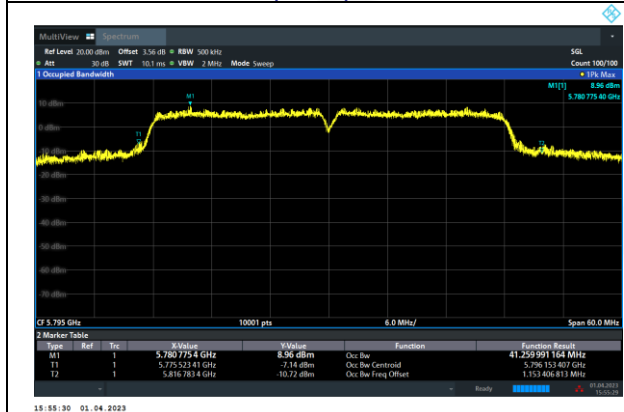
11ac(HT20) CH165



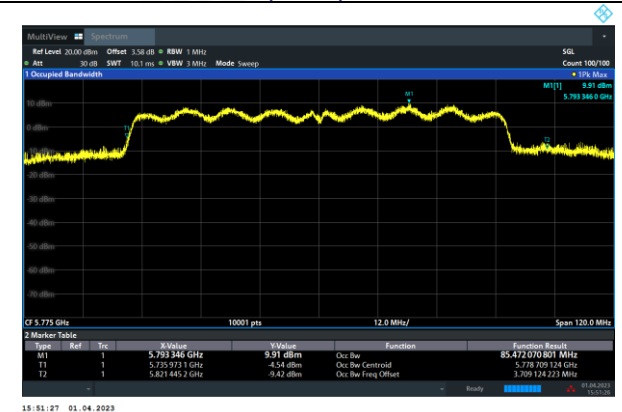
11ac(HT40) CH151



11ac(HT40) CH159



11ac (HT80) CH155





7. 6DB BANDWIDTH

7.1 APPLIED PROCEDURES / LIMIT

(e) Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

7.2 TEST PROCEDURE

1. Set RBW= 100 kHz.
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.

7.3 TEST SETUP



7.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

7.5 TEST RESULTS



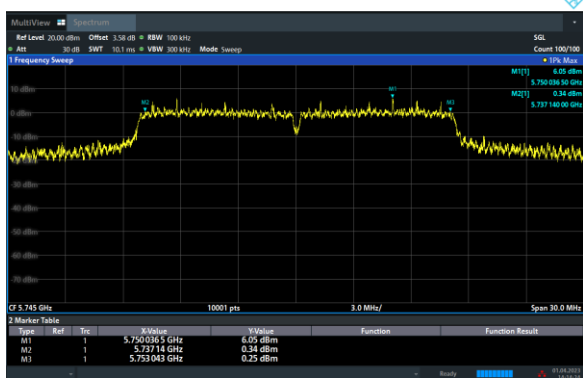
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	DC 5V from adapter AC 120V/60Hz
Test Mode :	ANT 1 U-NII-3 802.11a/n20/n40/ac20/ac40/ac80		

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
a	5745	Ant1	15.903	0.5	Pass
a	5785	Ant1	16.26	0.5	Pass
a	5825	Ant1	16.299	0.5	Pass
n20	5745	Ant1	16.512	0.5	Pass
n20	5785	Ant1	16.89	0.5	Pass
n20	5825	Ant1	17.526	0.5	Pass
n40	5755	Ant1	36.012	0.5	Pass
n40	5795	Ant1	35.07	0.5	Pass
ac20	5745	Ant1	16.557	0.5	Pass
ac20	5785	Ant1	16.137	0.5	Pass
ac20	5825	Ant1	16.524	0.5	Pass
ac40	5755	Ant1	35.61	0.5	Pass
ac40	5795	Ant1	35.088	0.5	Pass
ac80	5775	Ant1	73.608	0.5	Pass



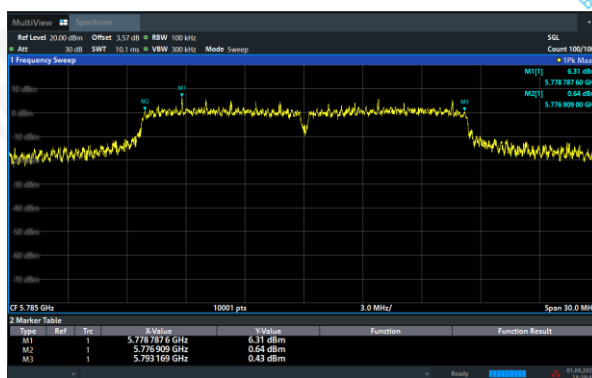
For U-NII-3

11a CH149



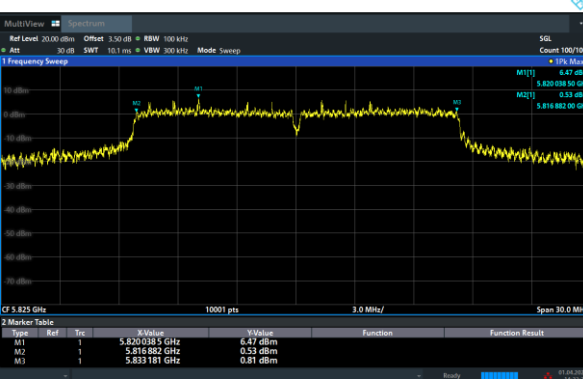
14:14:28 01.04.2023

11a CH157



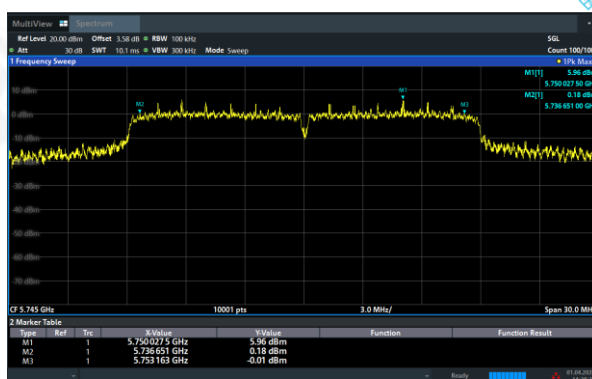
14:19:42 01.04.2023

11a CH165



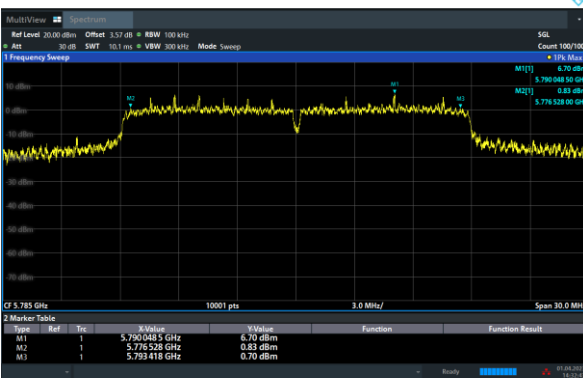
14:23:38 01.04.2023

11n(HT20) CH149



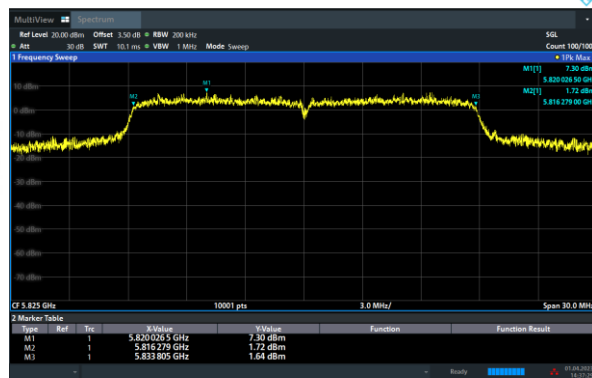
14:28:32 01.04.2023

11n(HT20) CH157



14:32:49 01.04.2023

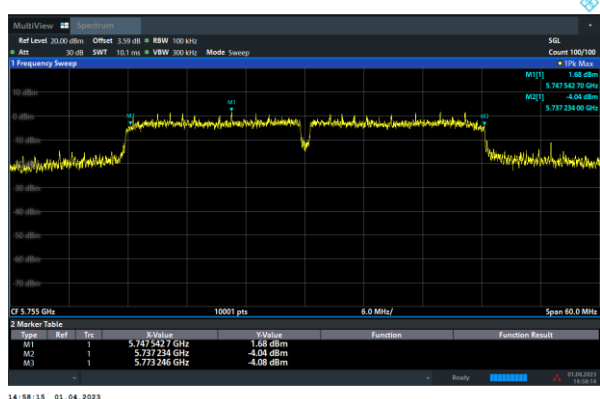
11n(HT20) CH165



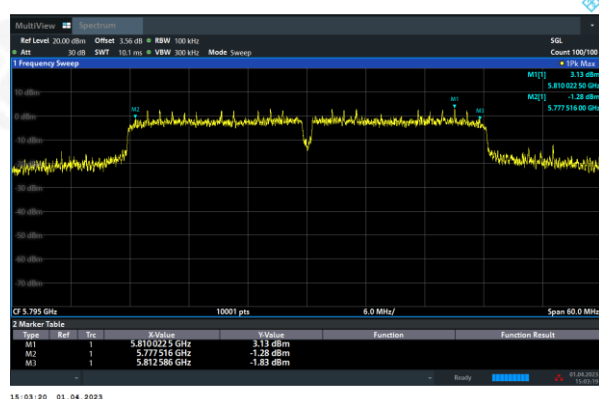
14:37:30 01.04.2023



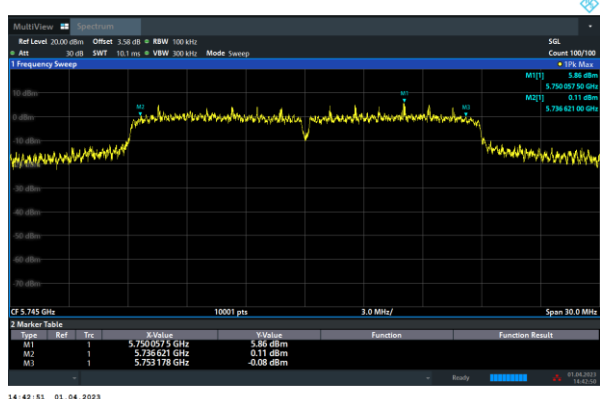
11n (HT40) CH151



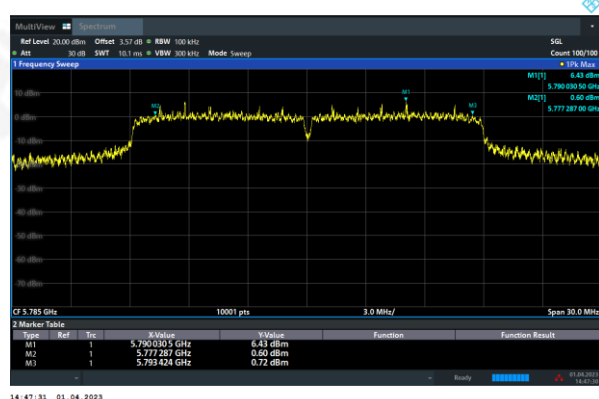
11n (HT40) CH159



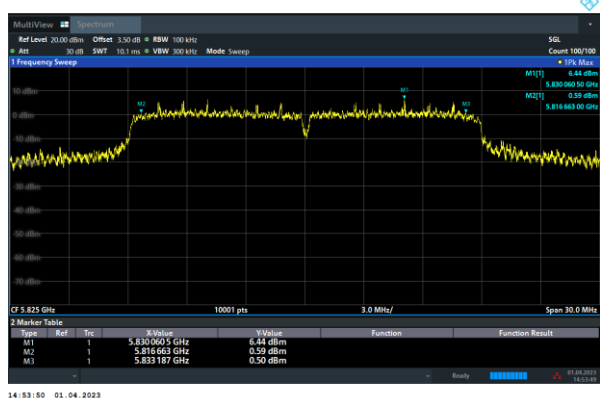
11ac (HT20) CH149



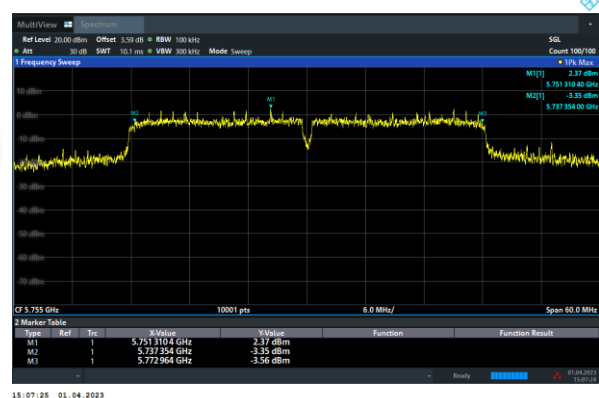
11ac (HT20) CH157



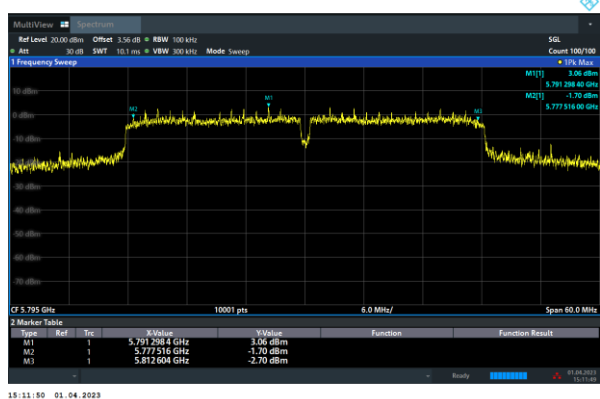
11ac (HT20) CH165



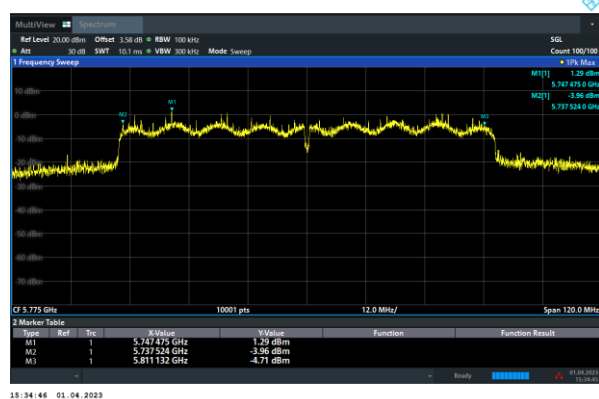
11ac (HT40) CH151



11ac (HT40) CH159



11ac (HT80) CH155





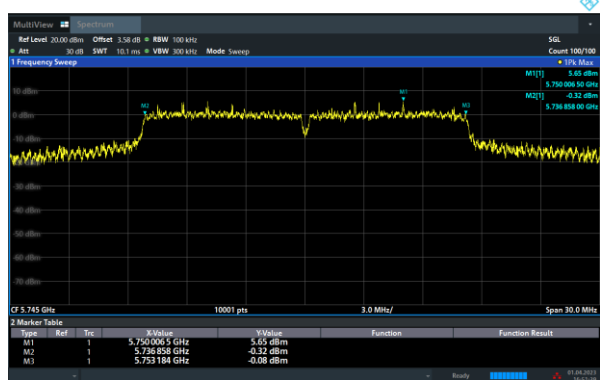
Temperature :	26 °C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	DC 5V from adapter AC 120V/60Hz
Test Mode :	ANT 2 U-NII-3 802.11a/n20/n40/ac20/ac40/ac80		

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
a	5745	Ant2	16.326	0.5	Pass
a	5785	Ant2	15.822	0.5	Pass
a	5825	Ant2	16.281	0.5	Pass
n20	5745	Ant2	16.509	0.5	Pass
n20	5785	Ant2	16.656	0.5	Pass
n20	5825	Ant2	17.451	0.5	Pass
n40	5755	Ant2	35.076	0.5	Pass
n40	5795	Ant2	35.064	0.5	Pass
ac20	5745	Ant2	16.632	0.5	Pass
ac20	5785	Ant2	16.629	0.5	Pass
ac20	5825	Ant2	16.623	0.5	Pass
ac40	5755	Ant2	35.682	0.5	Pass
ac40	5795	Ant2	35.118	0.5	Pass
ac80	5775	Ant2	73.872	0.5	Pass



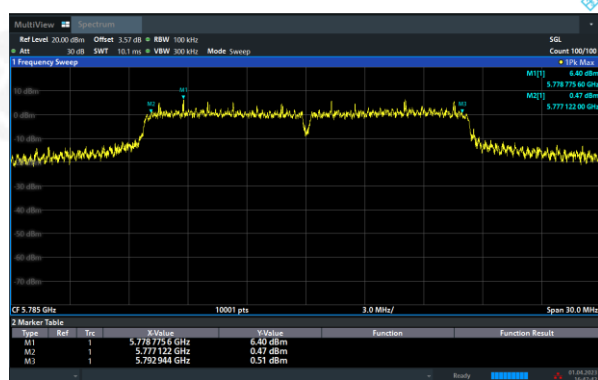
For U-NII-3

11a CH149



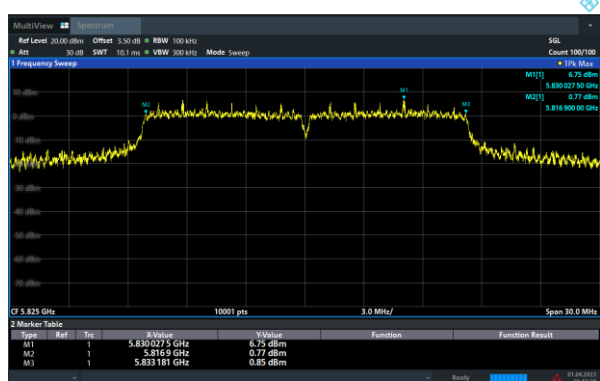
16:51:39 01.04.2023

11a CH157



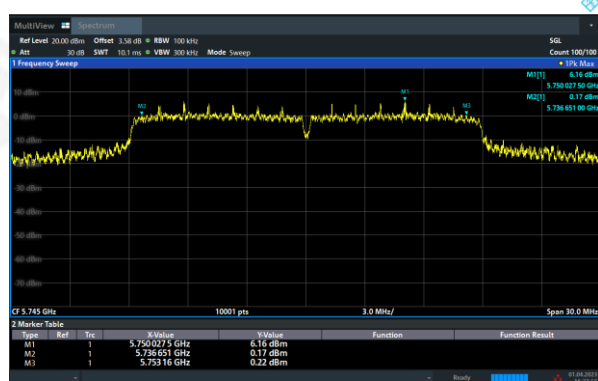
16:47:42 01.04.2023

11a CH165



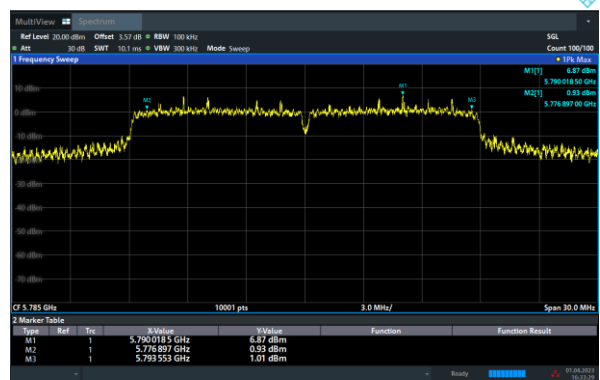
16:43:25 01.04.2023

11n(HT20) CH149



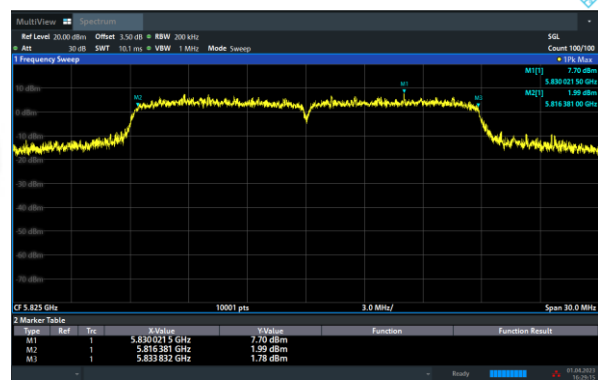
16:37:57 01.04.2023

11n(HT20) CH157



16:33:30 01.04.2023

11n(HT20) CH165



16:29:18 01.04.2023