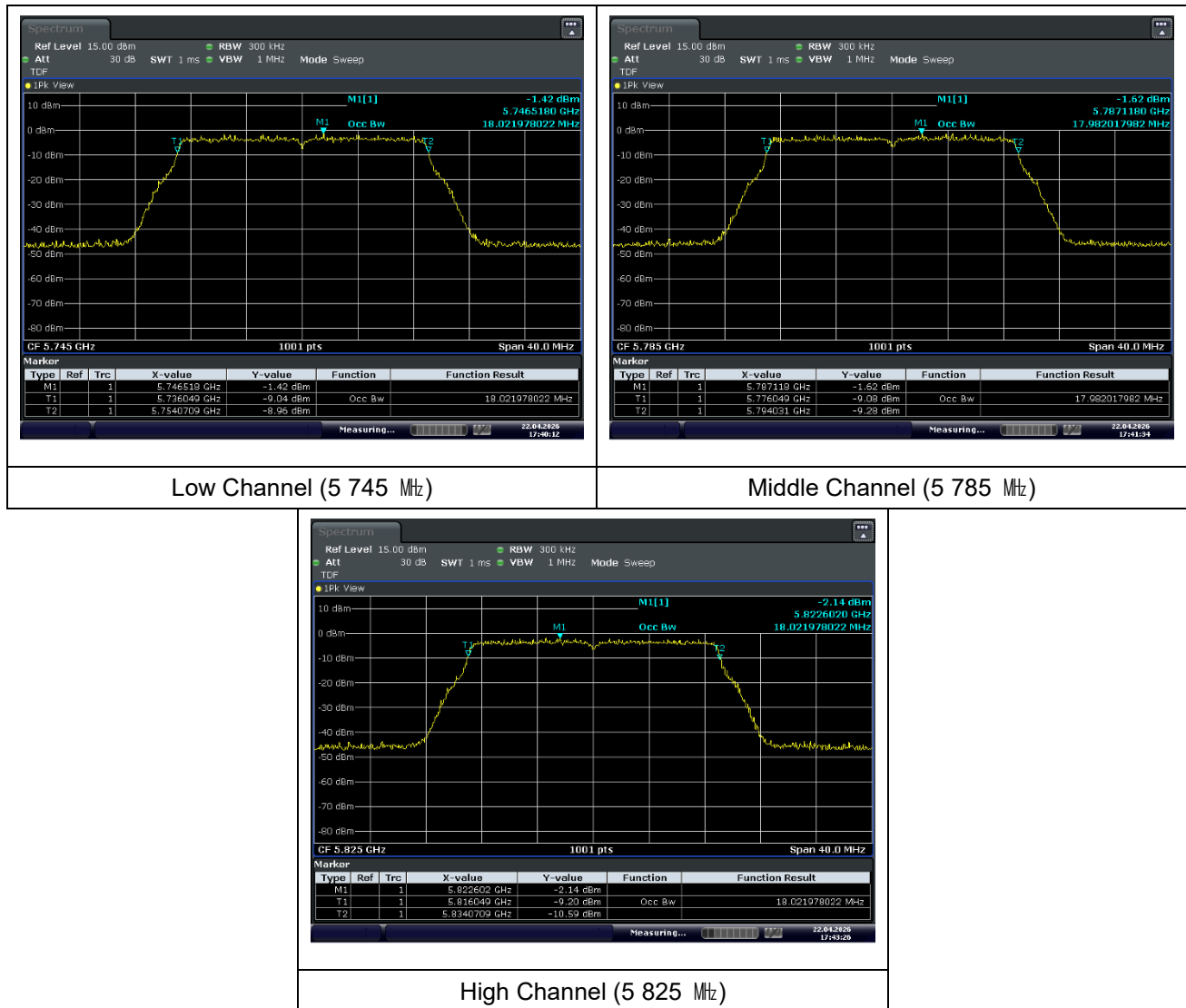
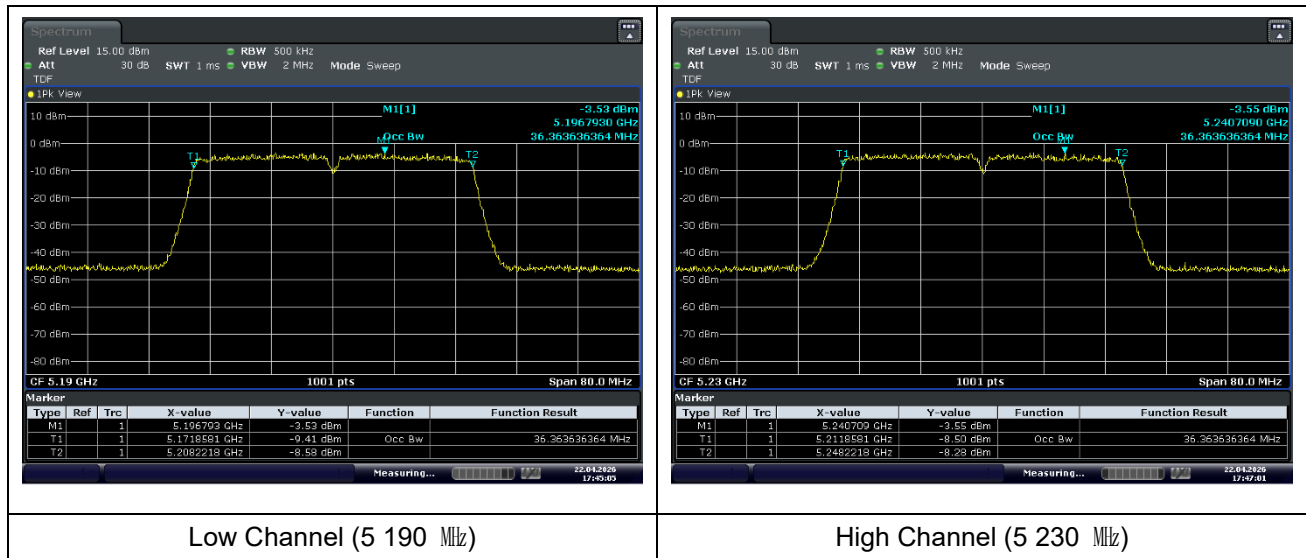


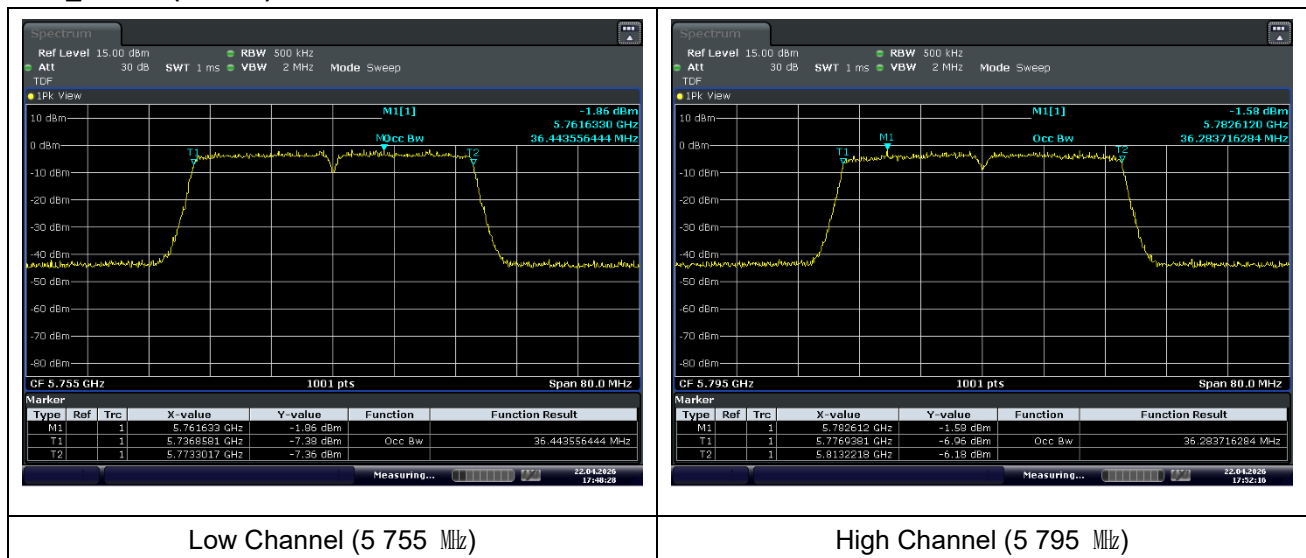
11ac_VHT20 (U-NII 3)



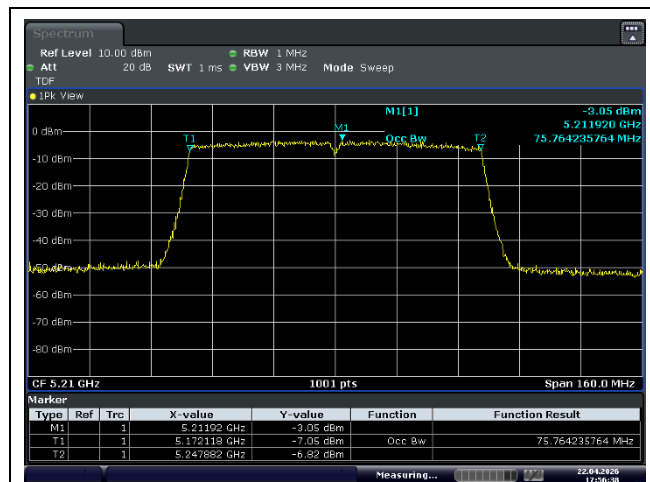
11ac_VHT40 (U-NII 1)



11ac_VHT40 (U-NII 3)

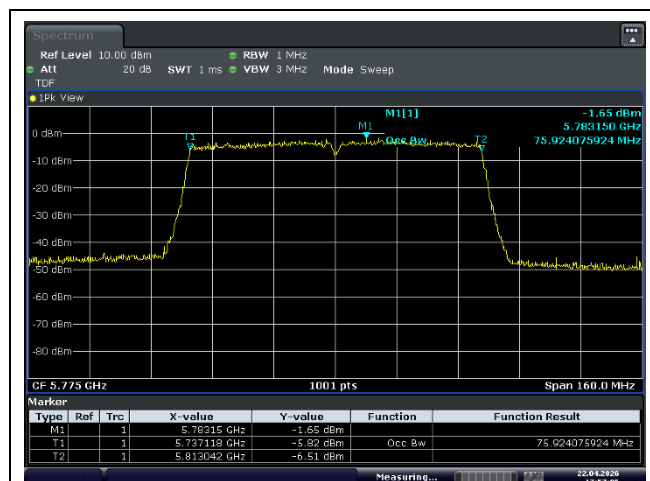


11ac_VHT80 (U-NII 1)



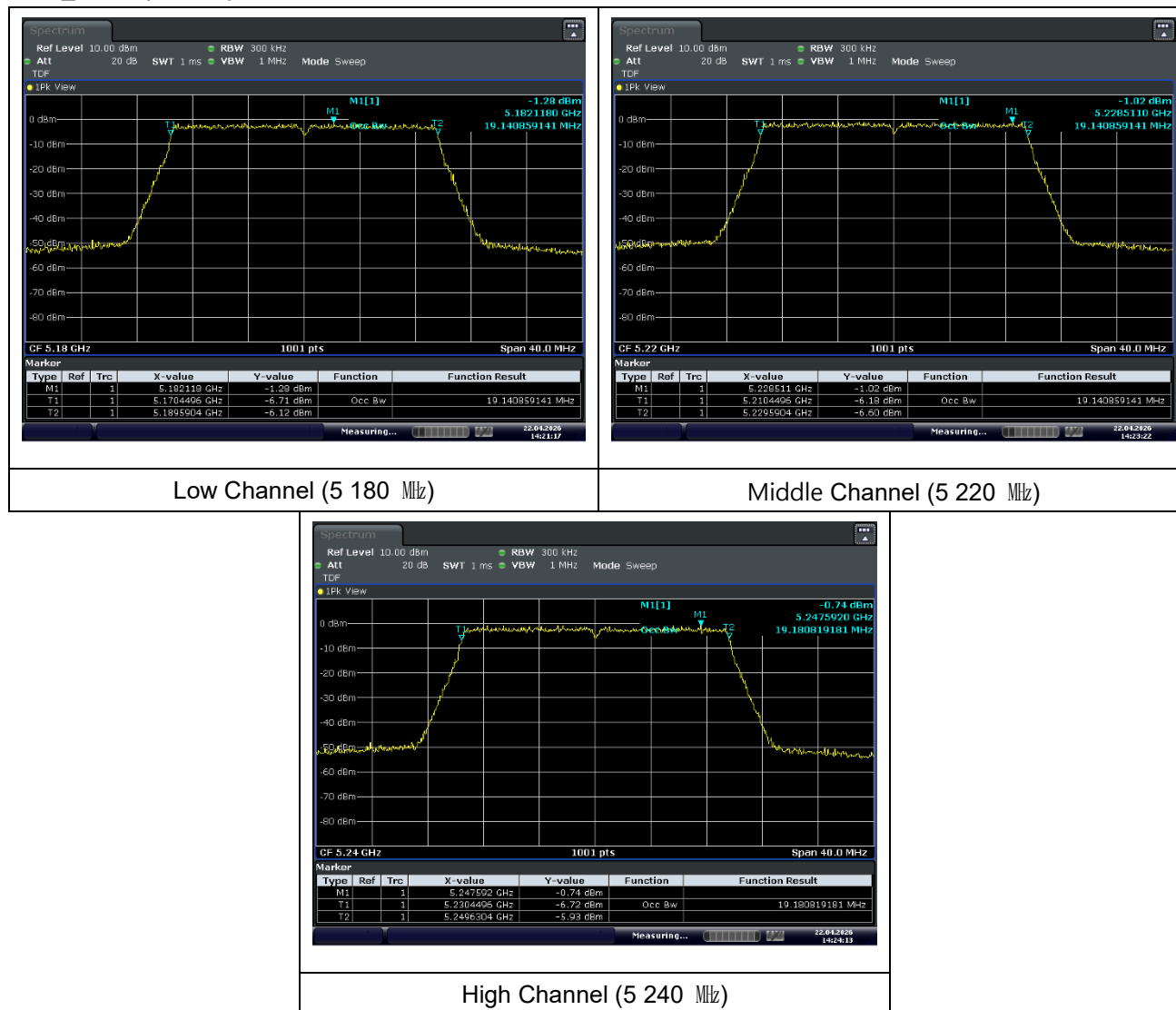
Middle Channel (5 210 MHz)

11ac_VHT80 (U-NII 3)

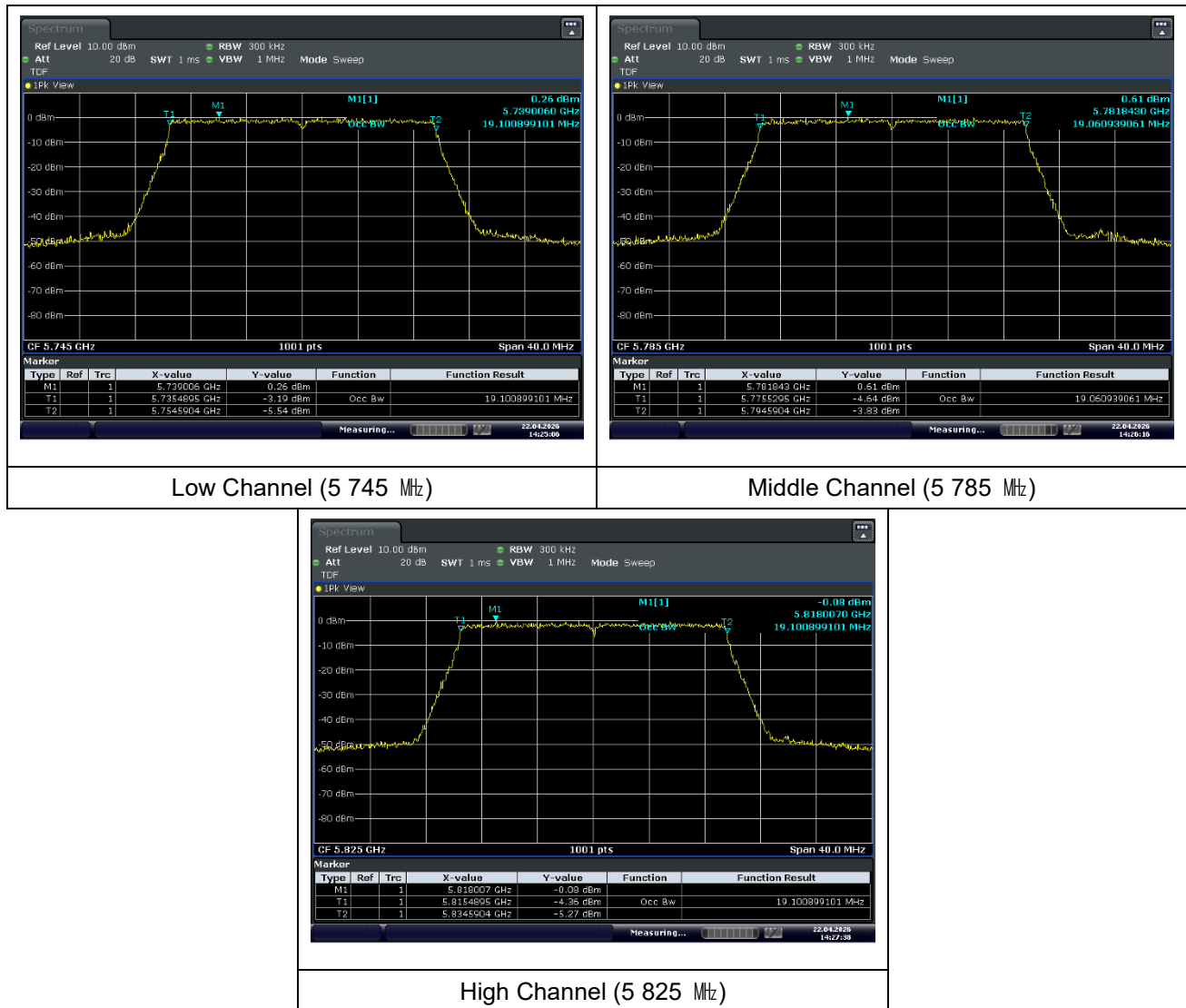


Low Channel (5 775 MHz)

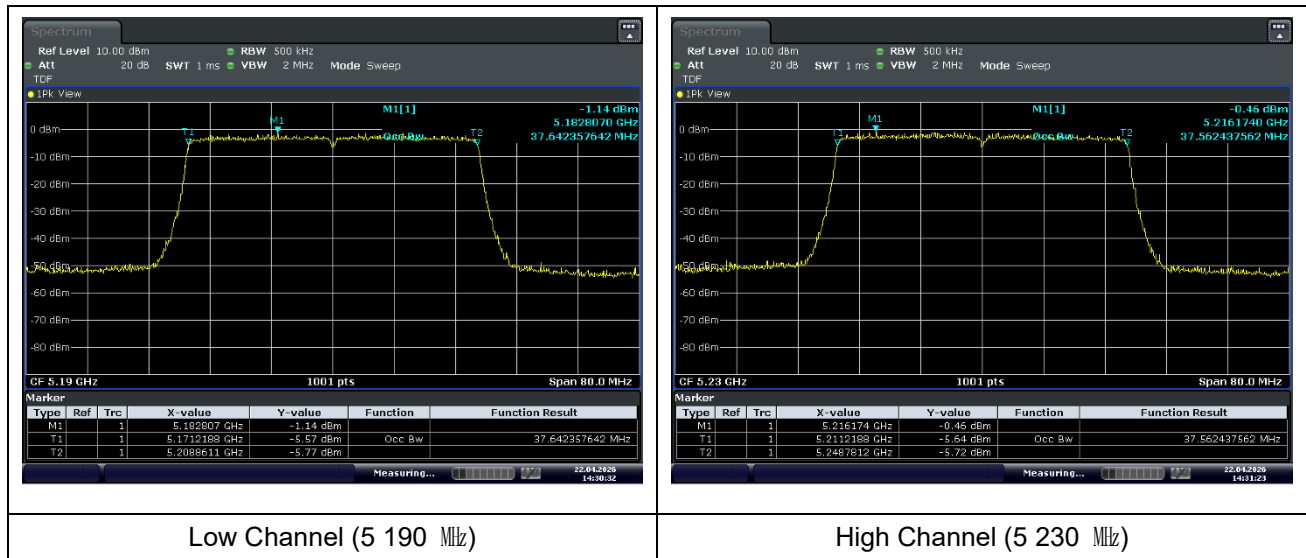
11ax_HE20 (U-NII 1)



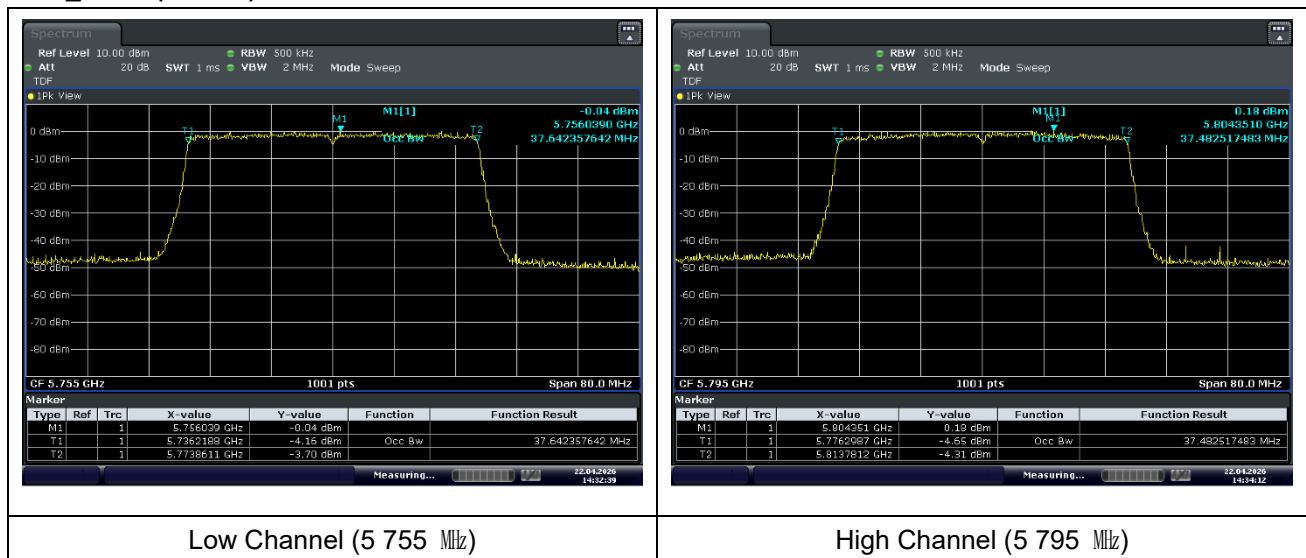
11ax_HE20 (U-NII 3)



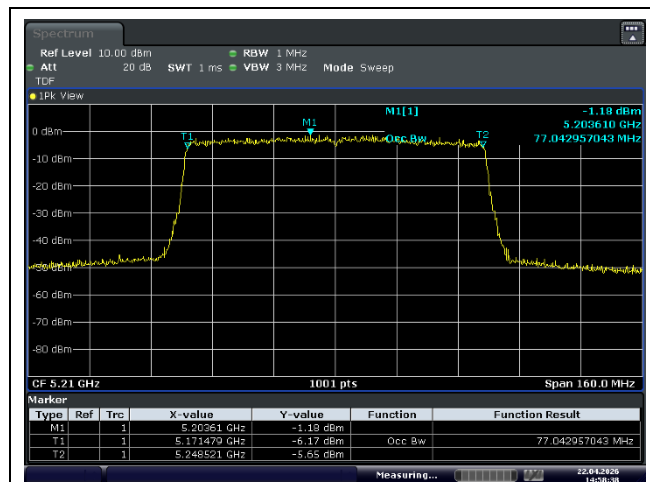
11ax_HE40 (U-NII 1)



11ax_HE40 (U-NII 3)

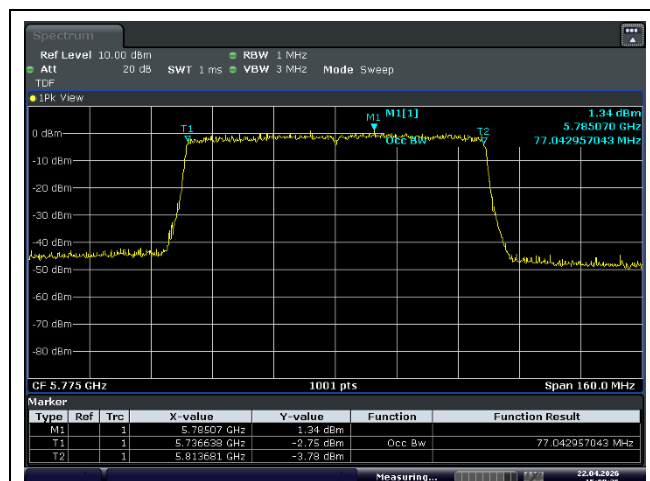


11ax_HE80 (U-NII 1)



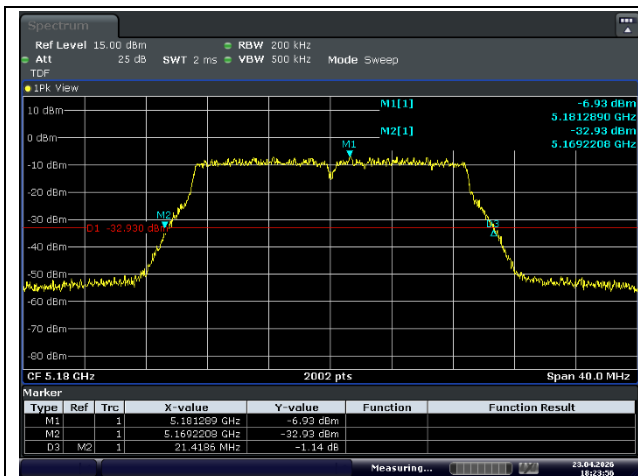
Middle Channel (5.210 MHz)

11ax_HE80 (U-NII 3)

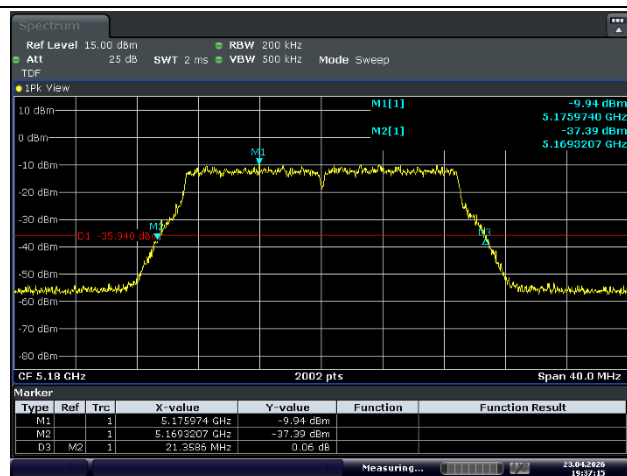


Low Channel (5.775 MHz)

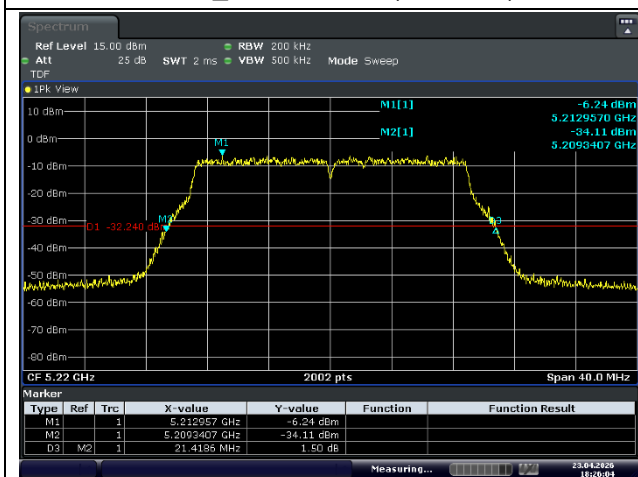
- Ant. 0 + Ant. 1
26 dB Bandwidth
11ac_VHT20 (U-NII 1)



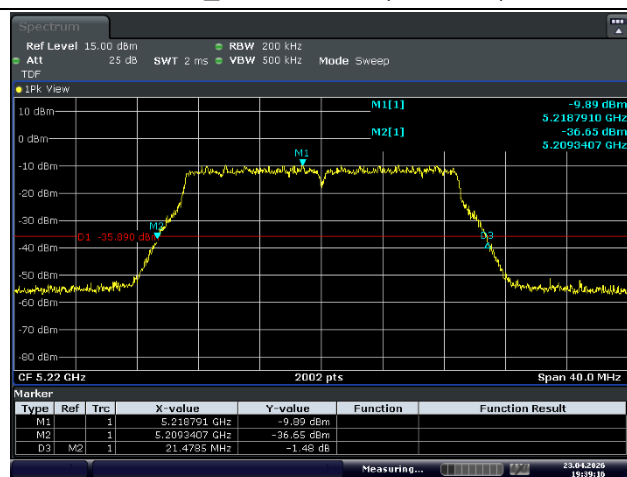
Ant. 0_Low Channel (5 180 MHz)



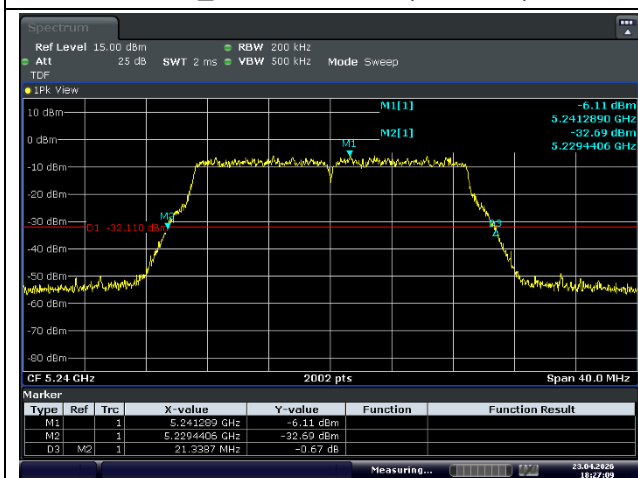
Ant. 1_Low Channel (5 180 MHz)



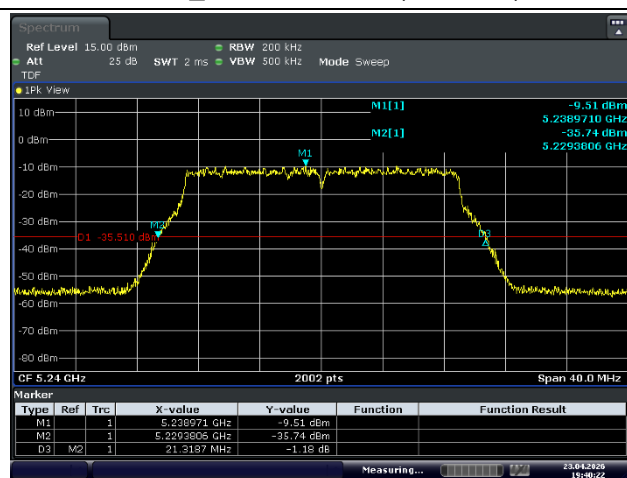
Ant. 0_Middle Channel (5 220 MHz)



Ant. 1_Middle Channel (5 220 MHz)

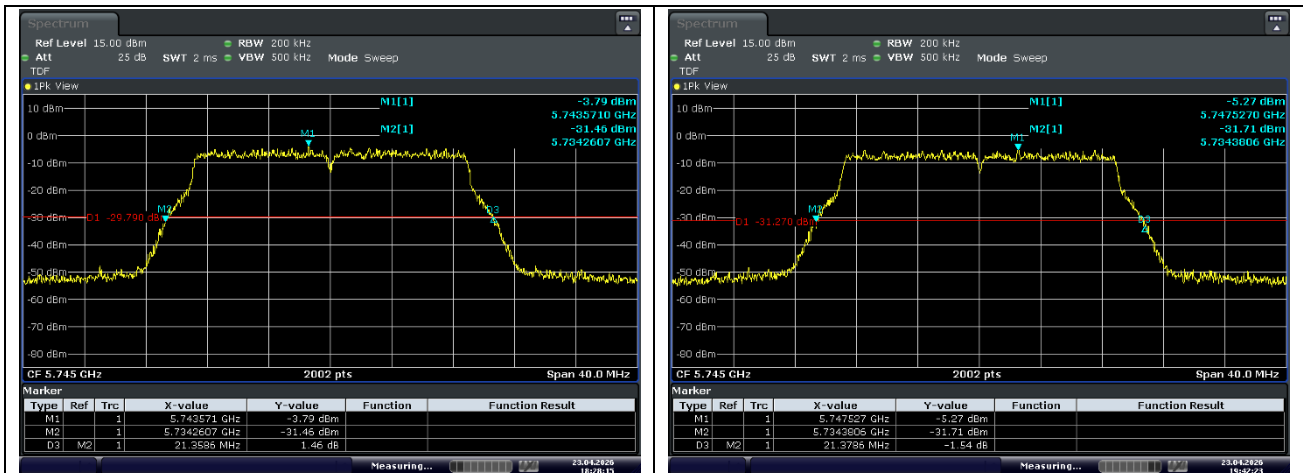


Ant. 0_High Channel (5 240 MHz)



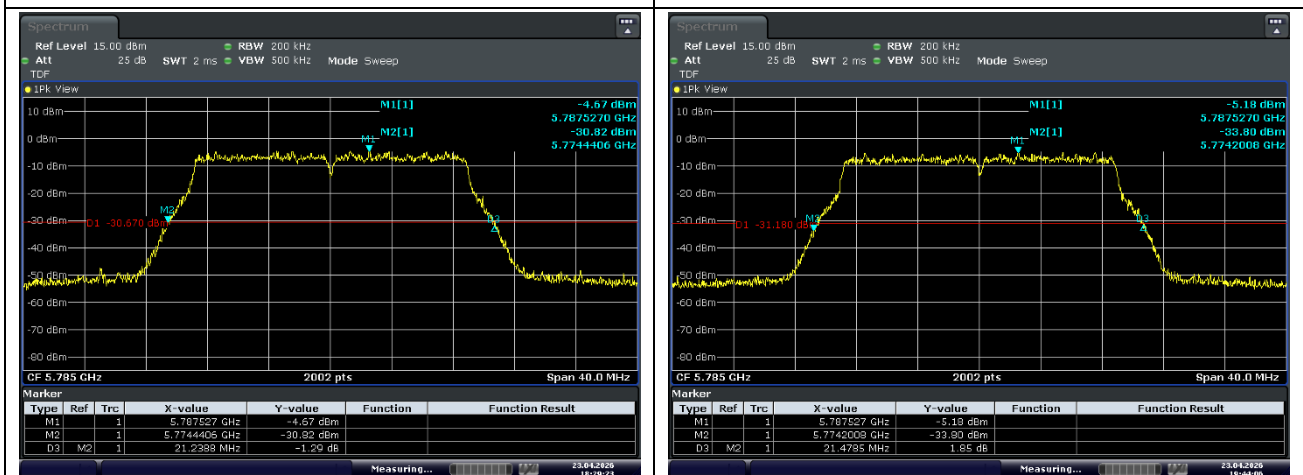
Ant. 1_High Channel (5 240 MHz)

11ac_VHT20 (U-NII 3)



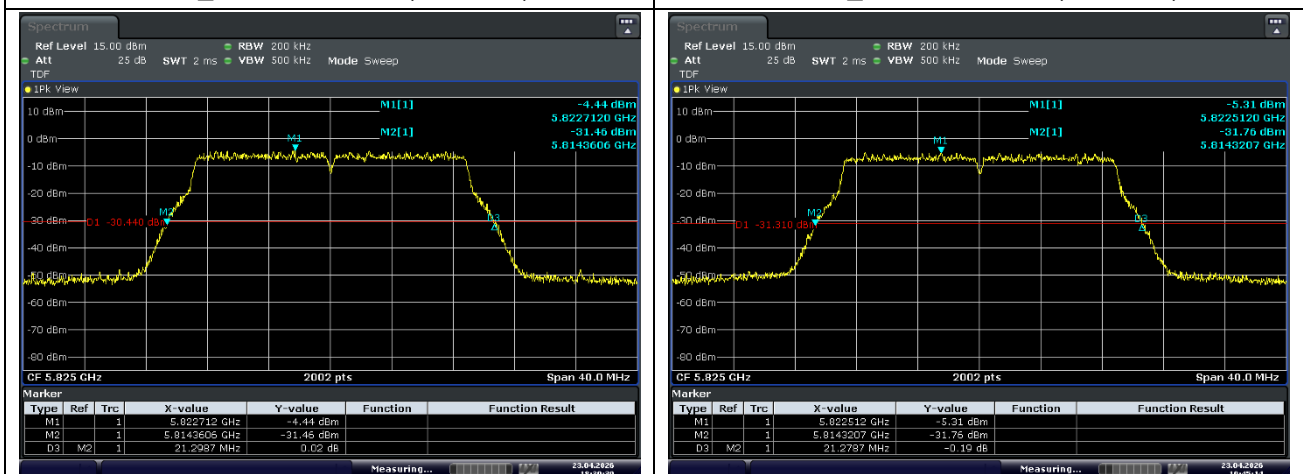
Ant. 0_Low Channel (5 745 MHz)

Ant. 1_Low Channel (5 745 MHz)



Ant. 0_Middle Channel (5 785 MHz)

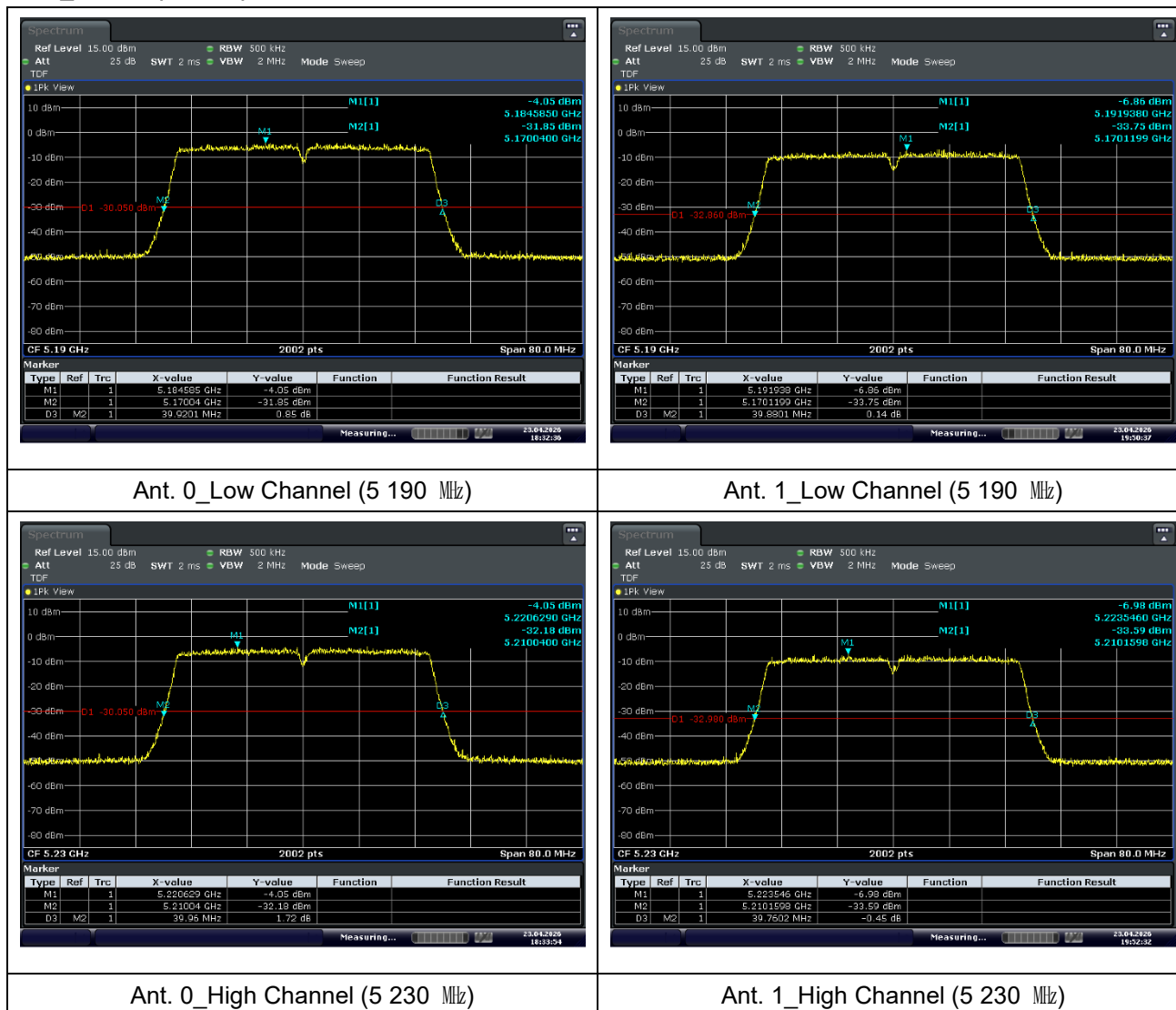
Ant. 1_Middle Channel (5 785 MHz)



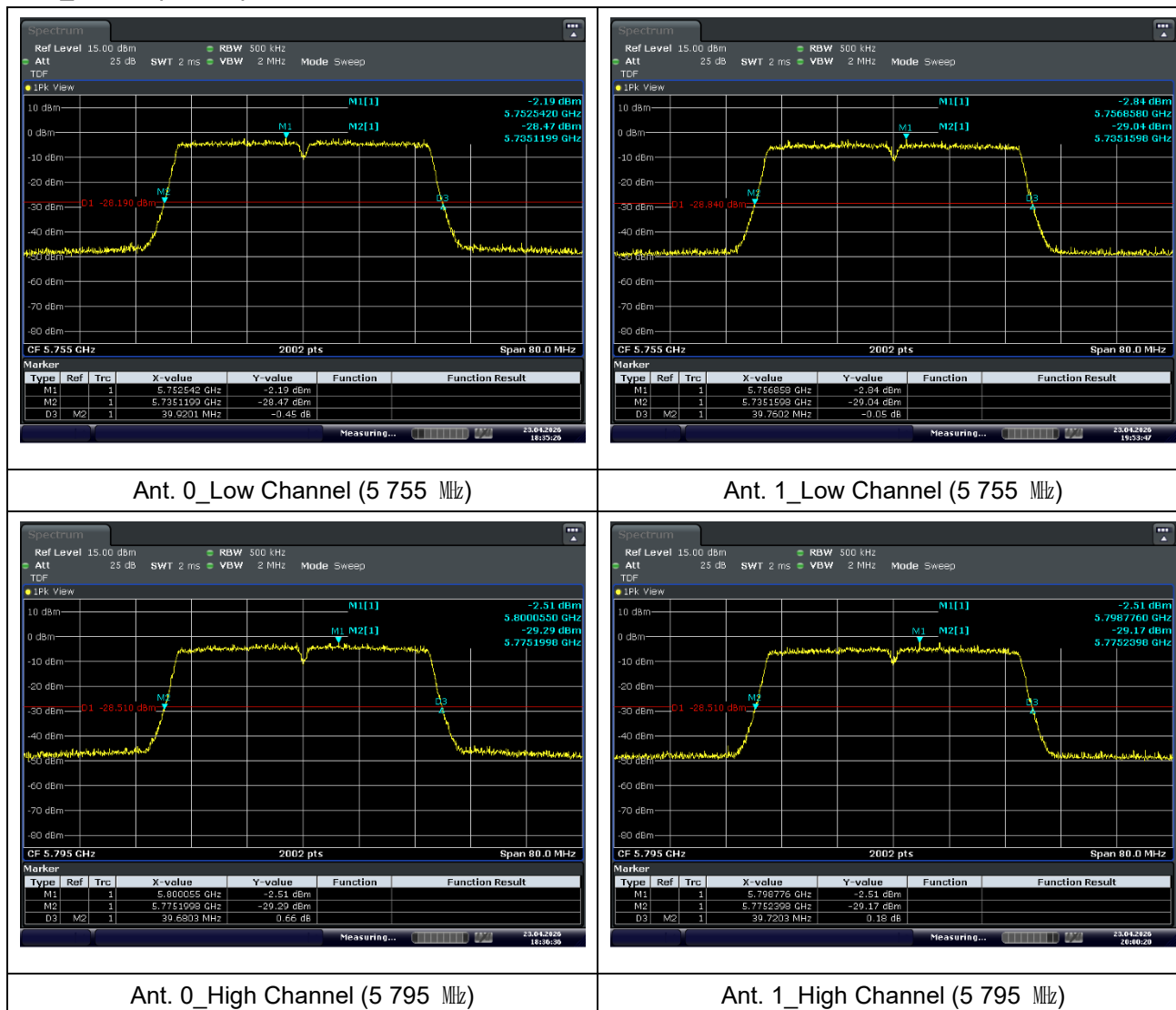
Ant. 0_High Channel (5 825 MHz)

Ant. 1_High Channel (5 825 MHz)

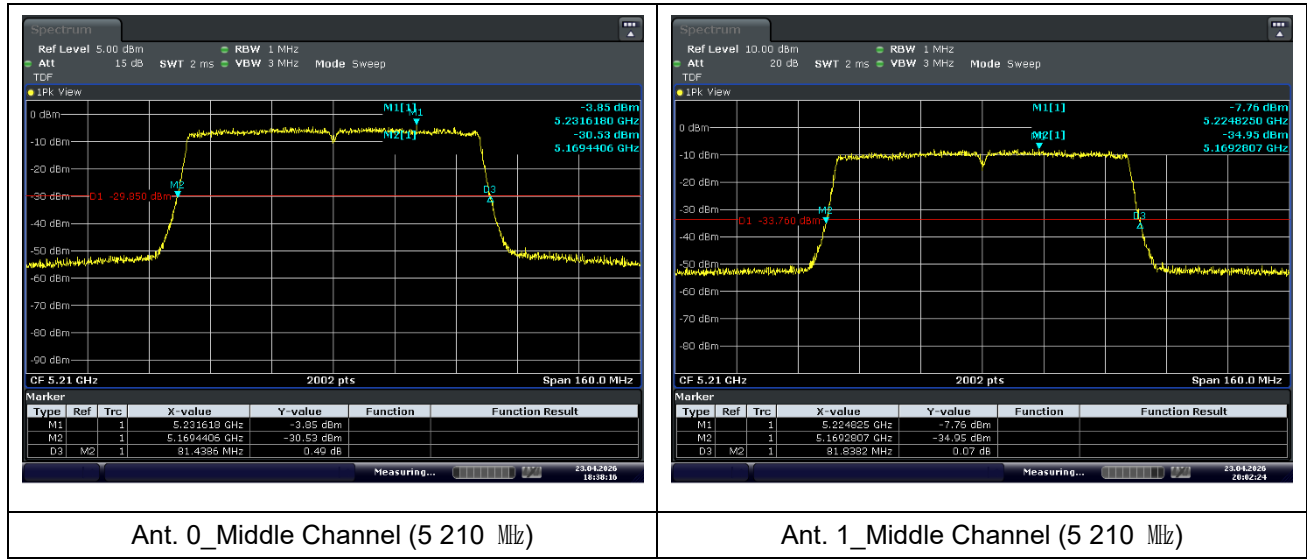
11ac_VHT40 (U-NII 1)



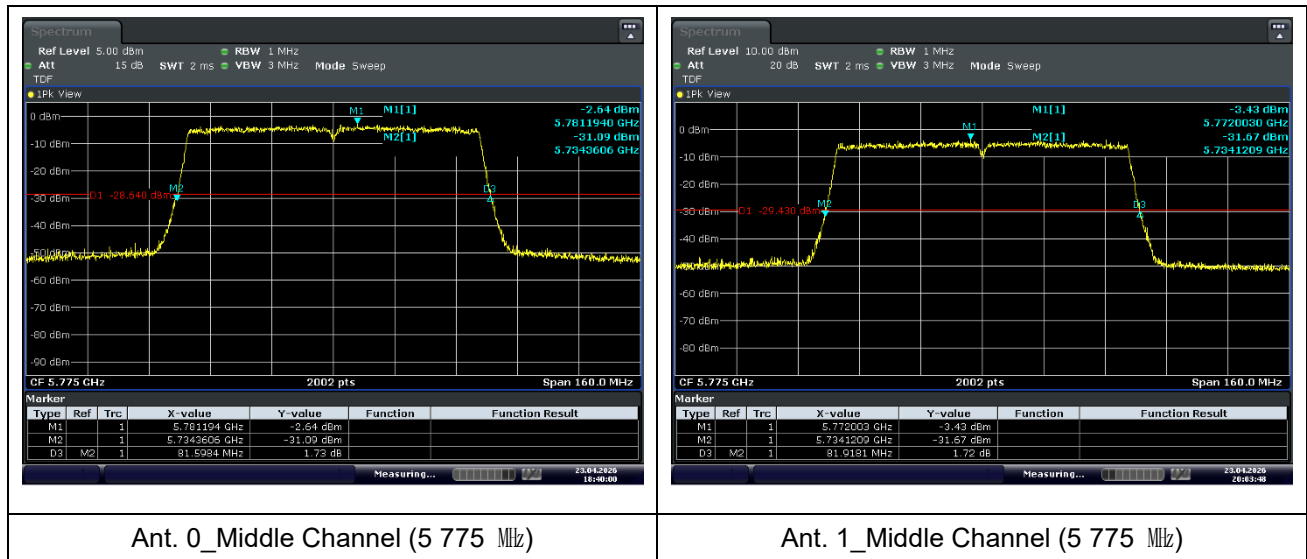
11ac_VHT40 (U-NII 3)



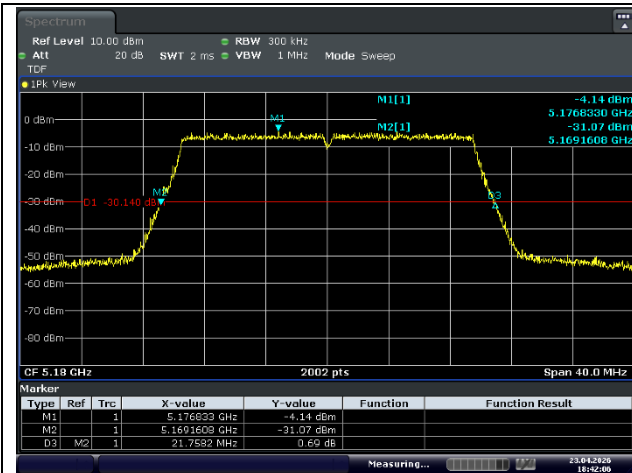
11ac_VHT80 (U-NII 1)



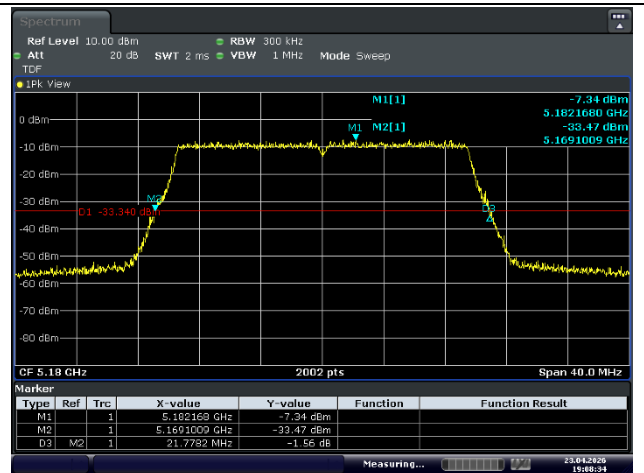
11ac_VHT80 (U-NII 3)



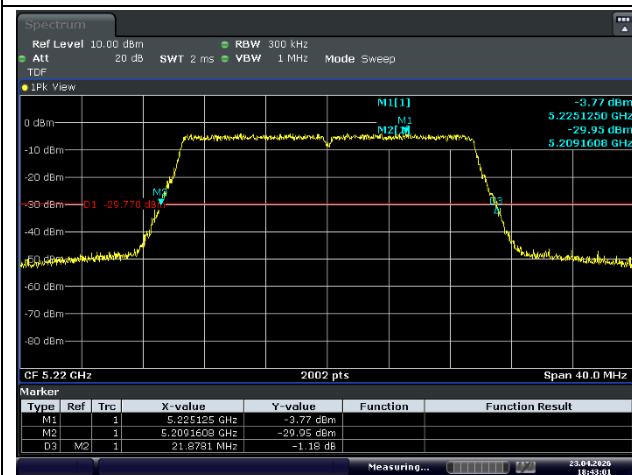
11ax_HE20 (U-NII 1)



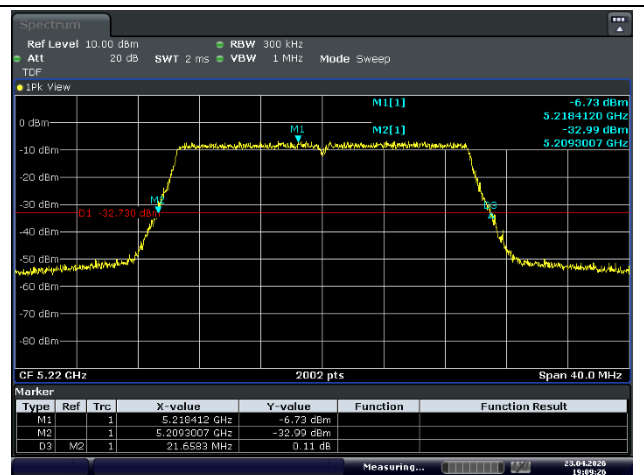
Ant. 0_Low Channel (5 180 MHz)



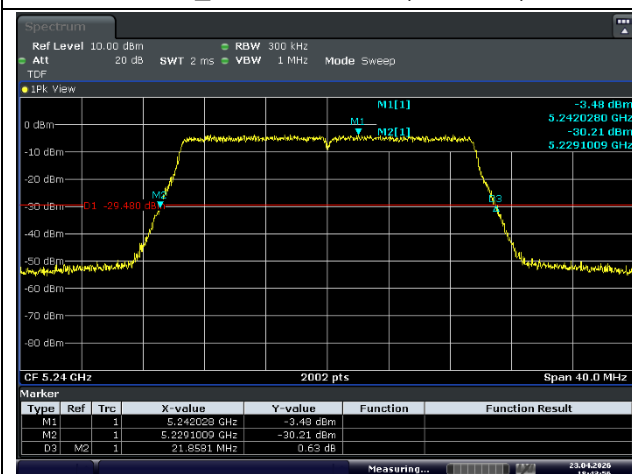
Ant. 1_Low Channel (5 180 MHz)



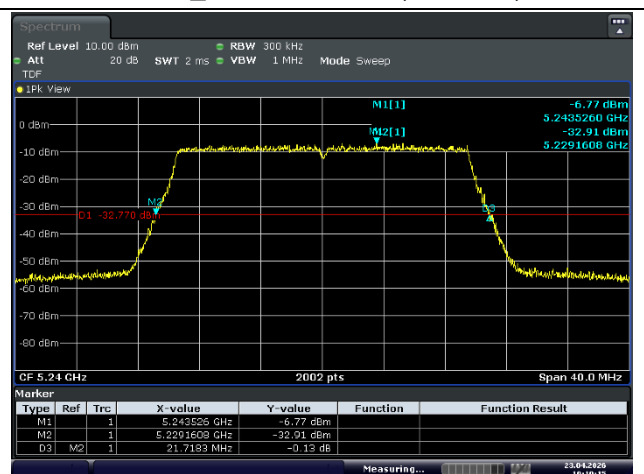
Ant. 0_Middle Channel (5 220 MHz)



Ant. 1_Middle Channel (5 220 MHz)

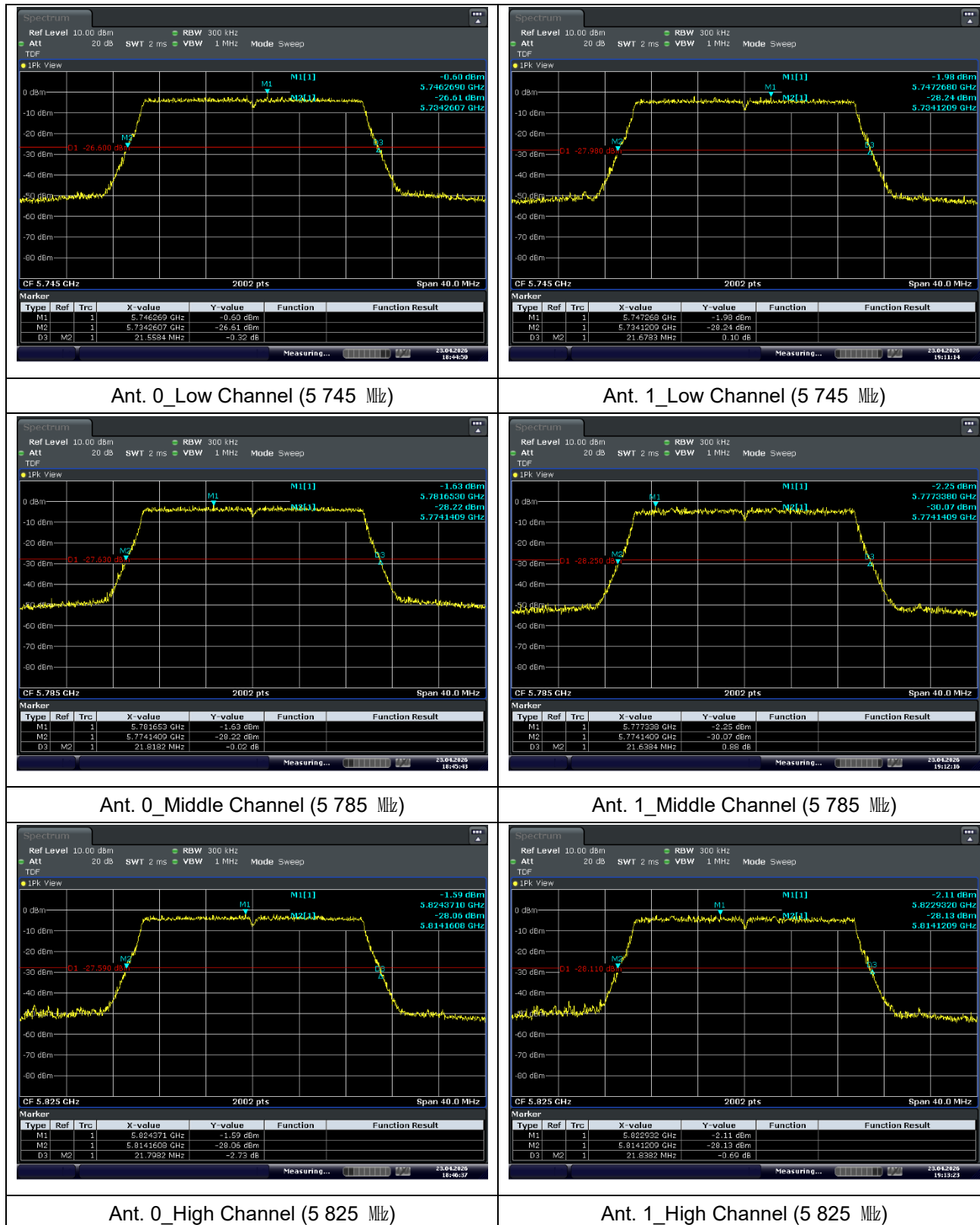


Ant. 0_High Channel (5 240 MHz)

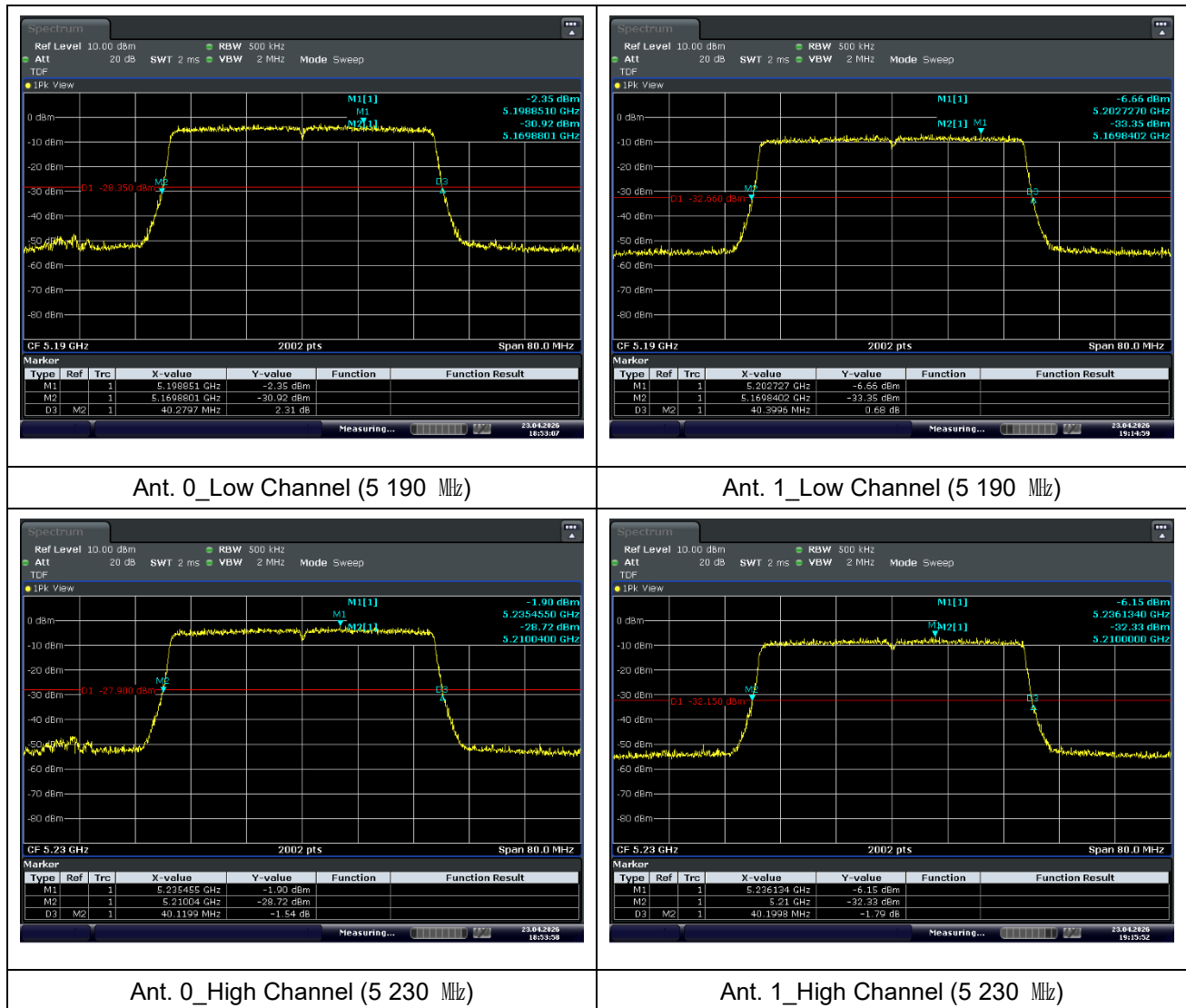


Ant. 1_High Channel (5 240 MHz)

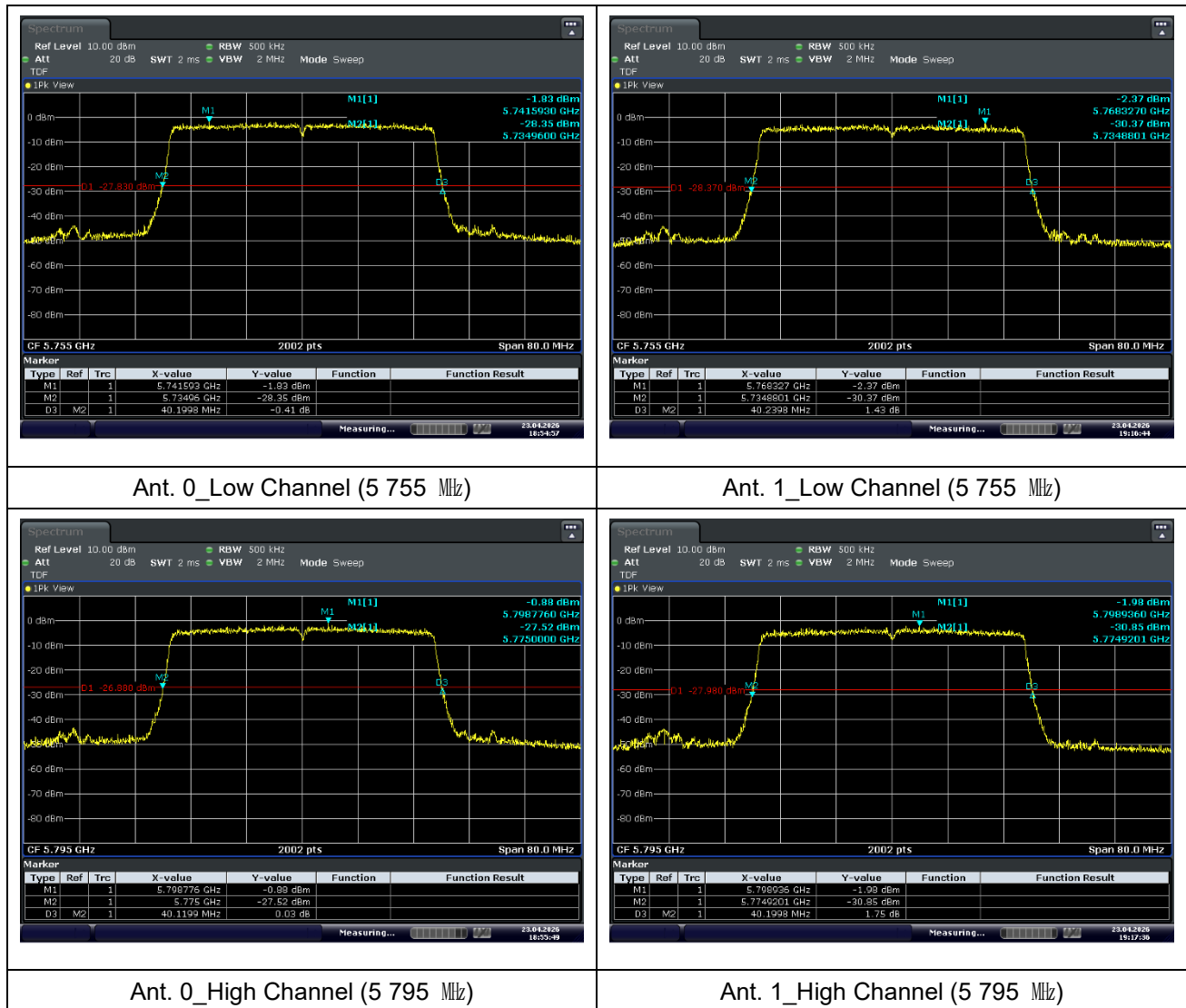
11ax_HE20 (U-NII 3)



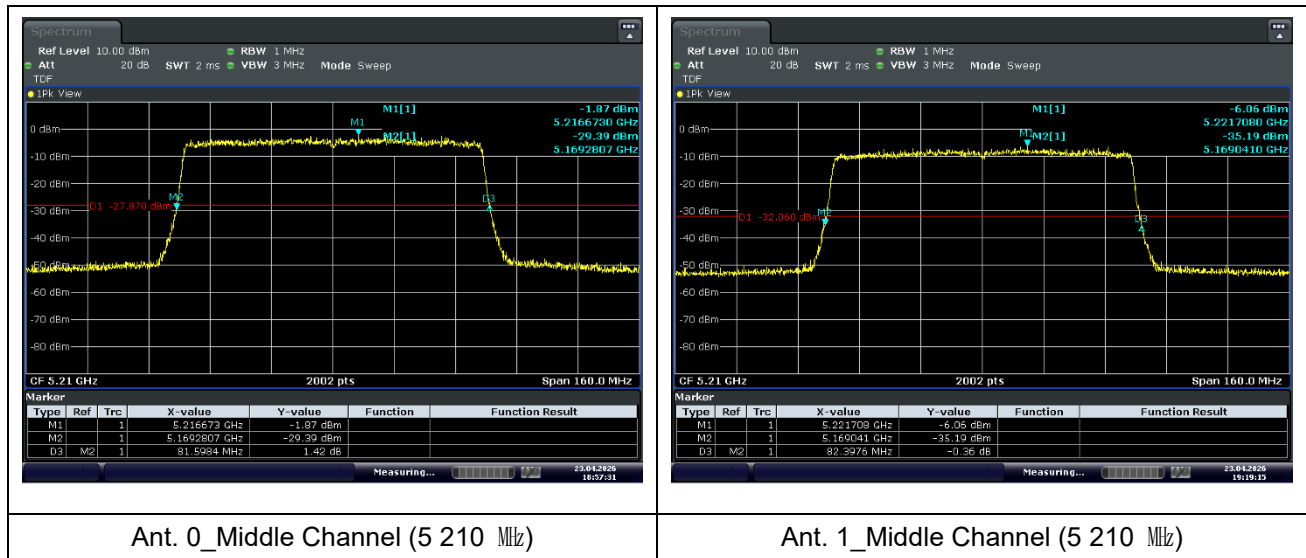
11ax_HE40 (U-NII 1)



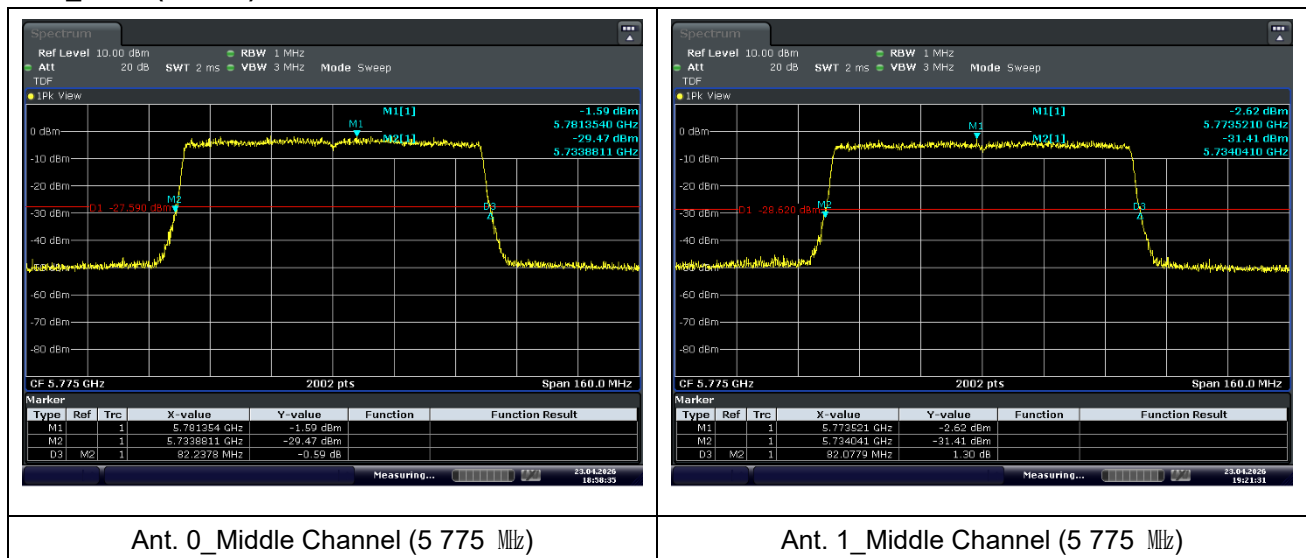
11ax_HE40 (U-NII 3)



11ax_HE80 (U-NII 1)

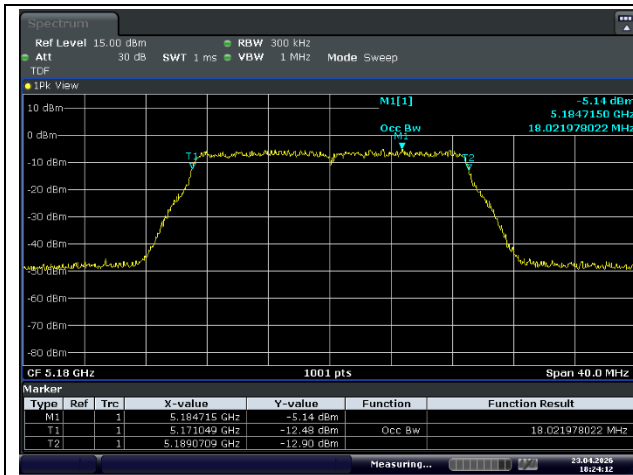


11ax_HE80 (U-NII 3)

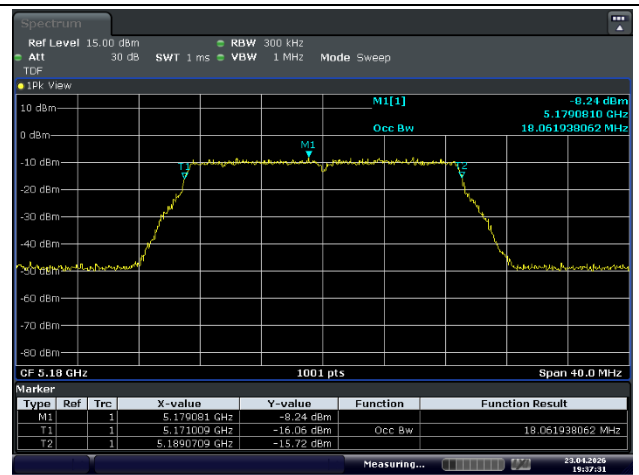


99 % Bandwidth

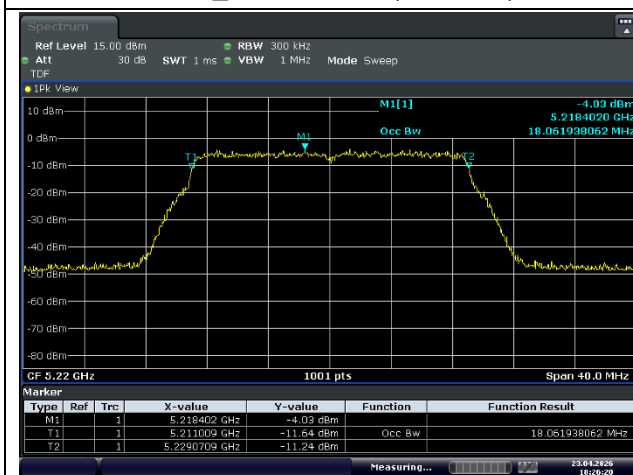
11ac_VHT20 (U-NII 1)



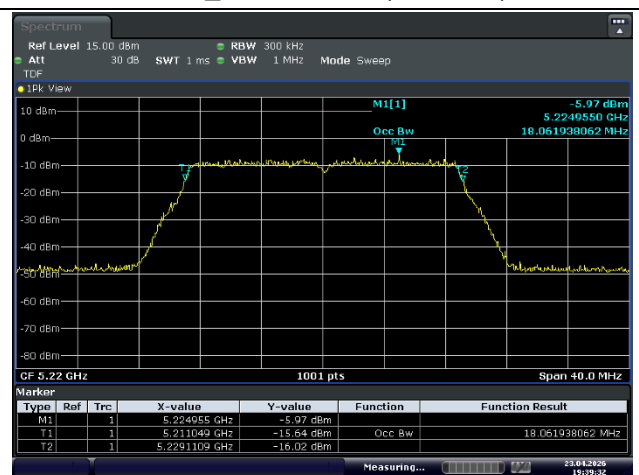
Ant. 0_Low Channel (5 180 MHz)



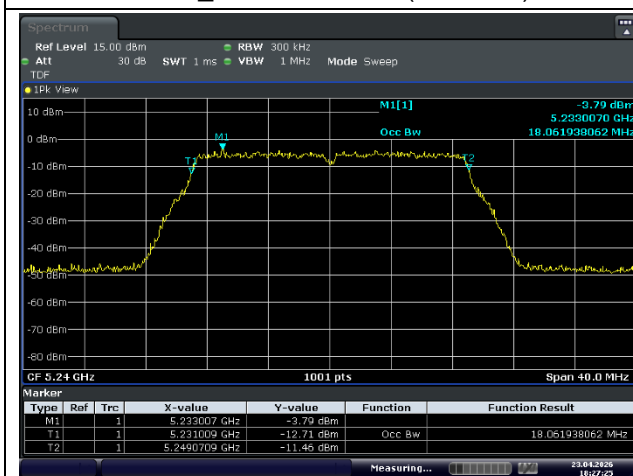
Ant. 1_Low Channel (5 180 MHz)



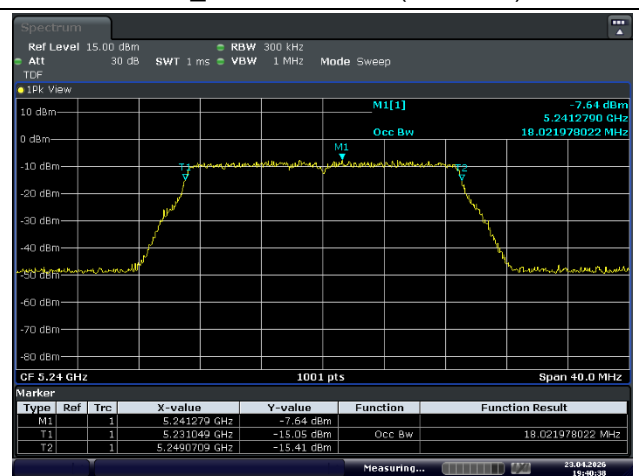
Ant. 0_Middle Channel (5 220 MHz)



Ant. 1_Middle Channel (5 220 MHz)

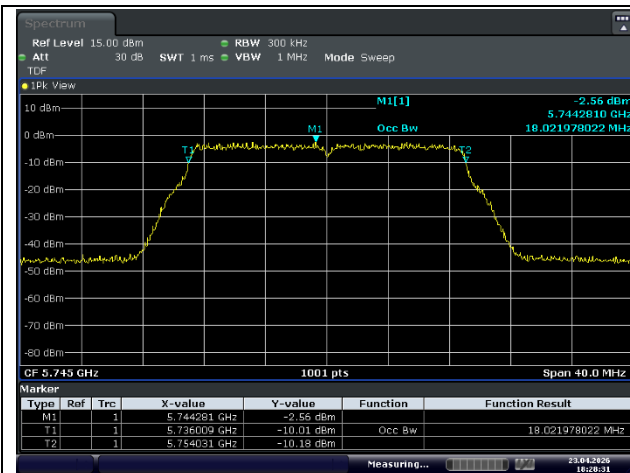


Ant. 0_High Channel (5 240 MHz)

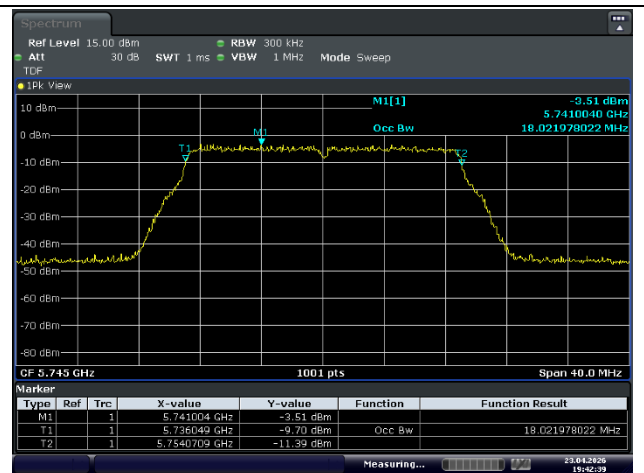


Ant. 1_High Channel (5 240 MHz)

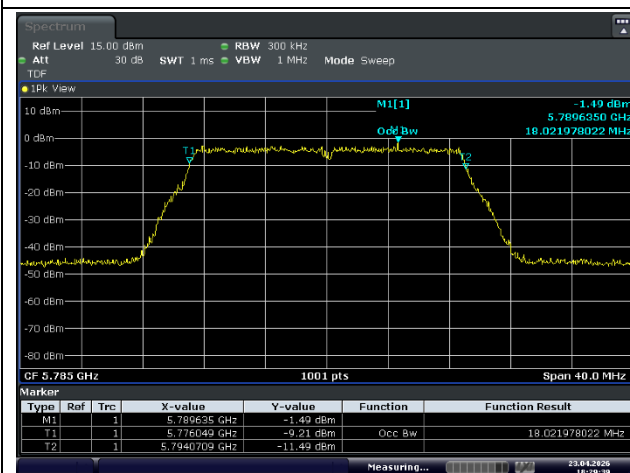
11ac_VHT20 (U-NII 3)



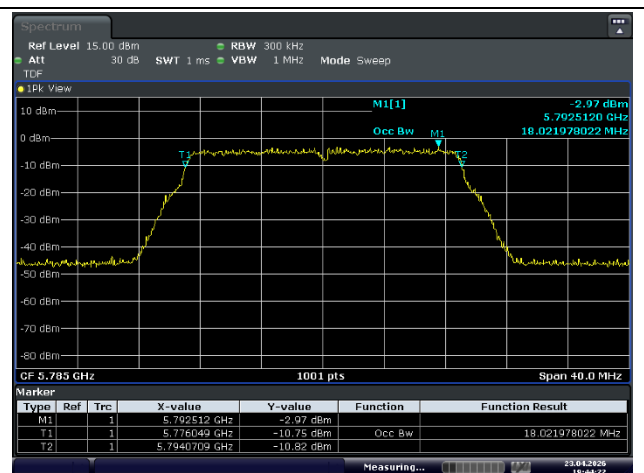
Ant. 0_Low Channel (5 745 MHz)



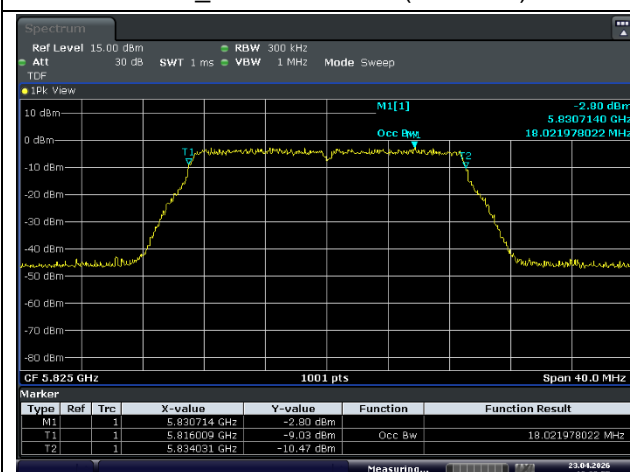
Ant. 1_Low Channel (5 745 MHz)



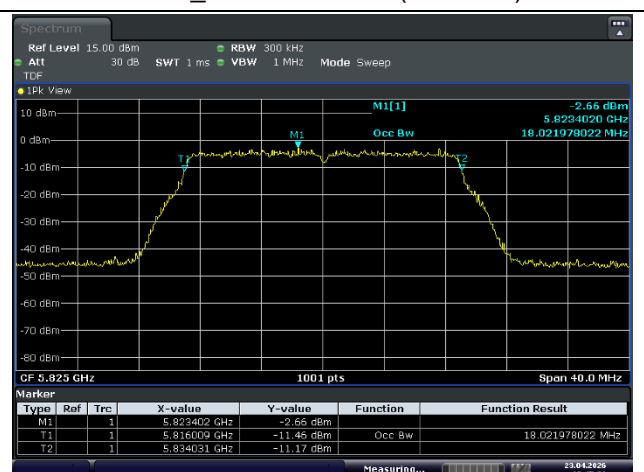
Ant. 0_Middle Channel (5 785 MHz)



Ant. 1_Middle Channel (5 785 MHz)

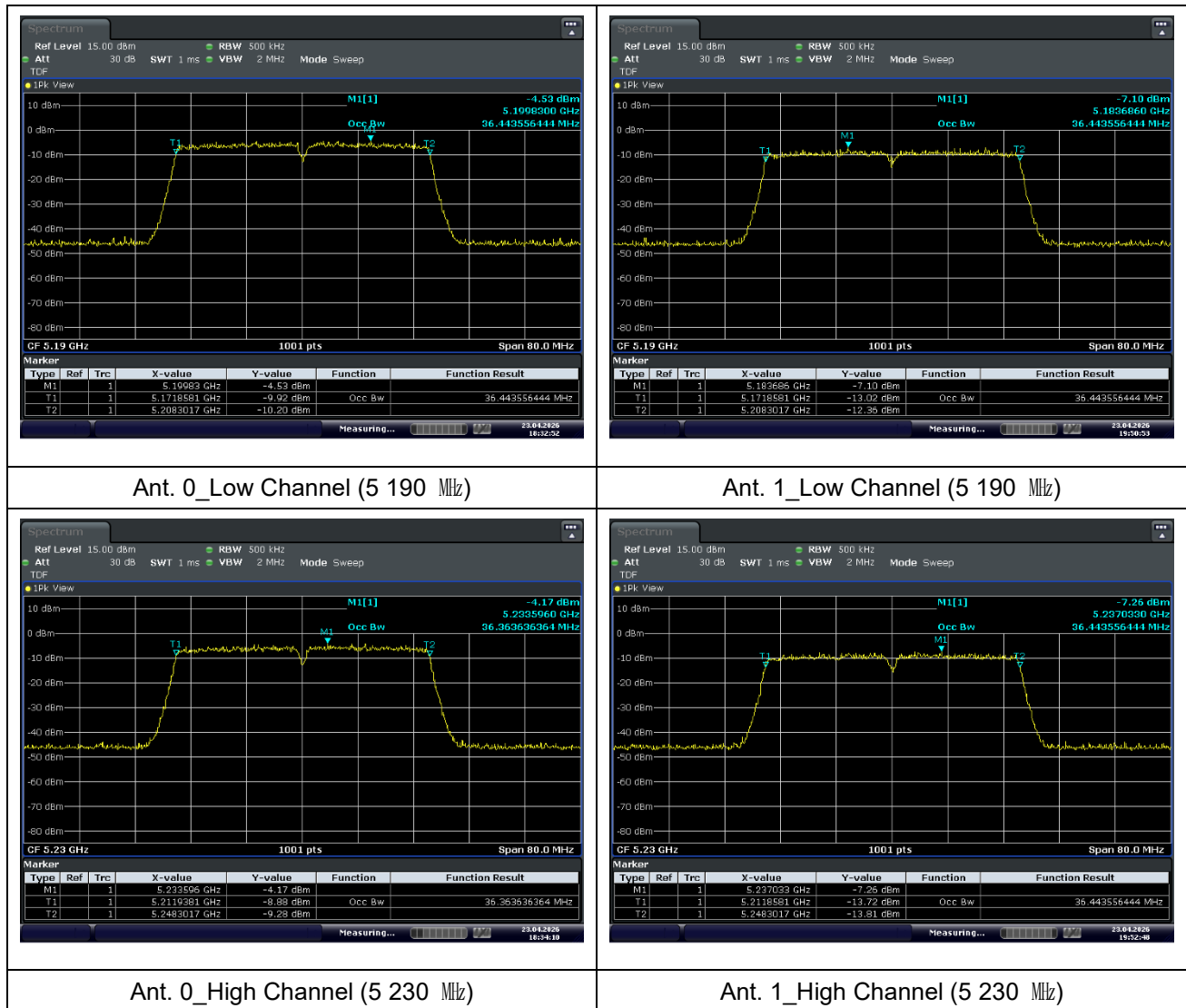


Ant. 0_High Channel (5 825 MHz)

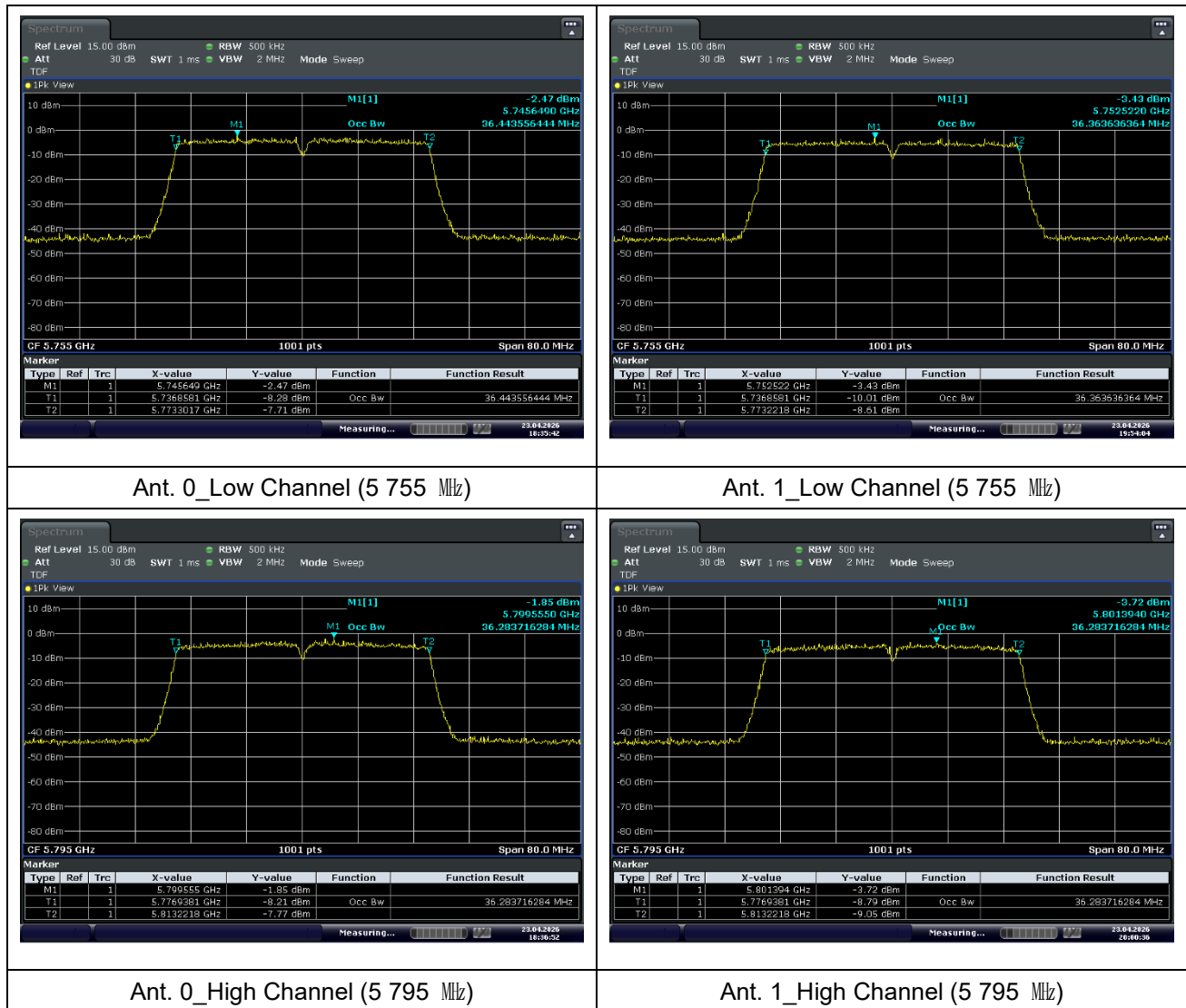


Ant. 1_High Channel (5 825 MHz)

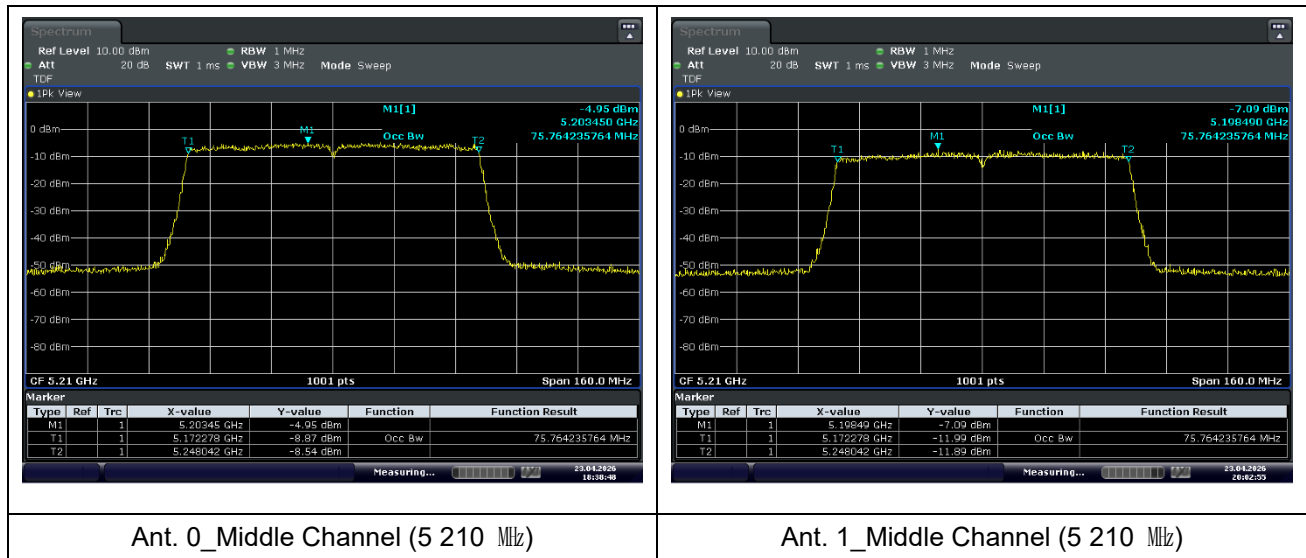
11ac_VHT40 (U-NII 1)



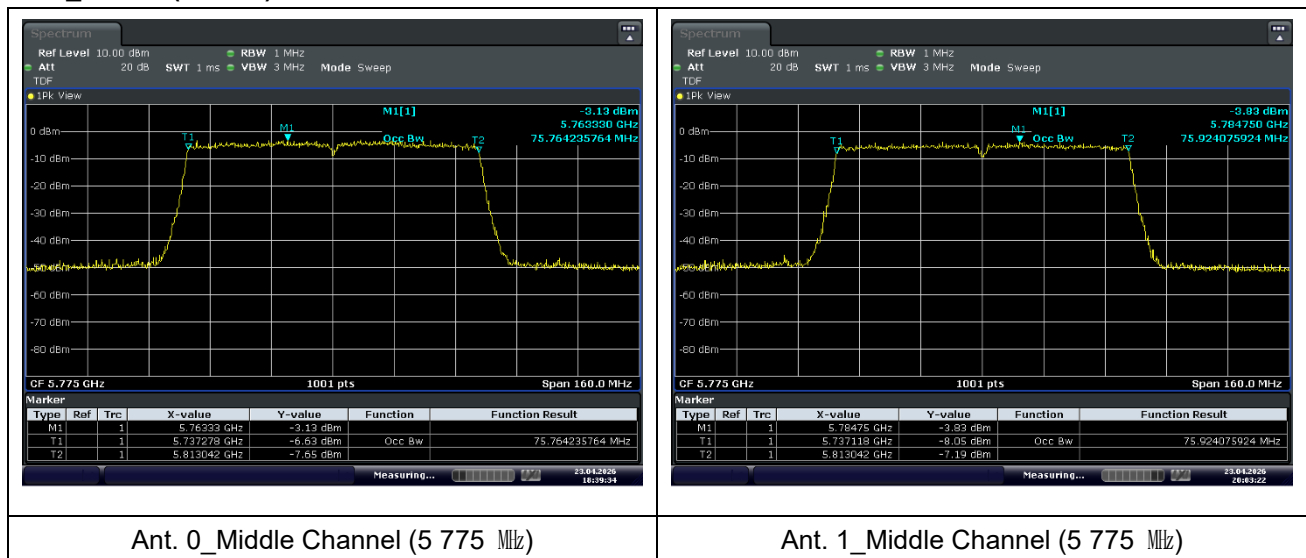
11ac_VHT40 (U-NII 3)



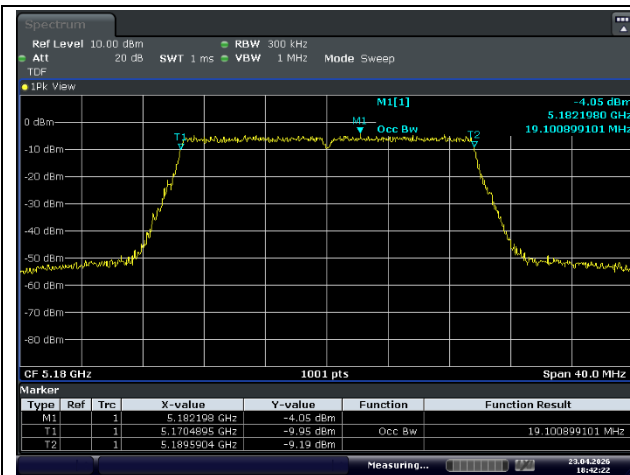
11ac_VHT80 (U-NII 1)



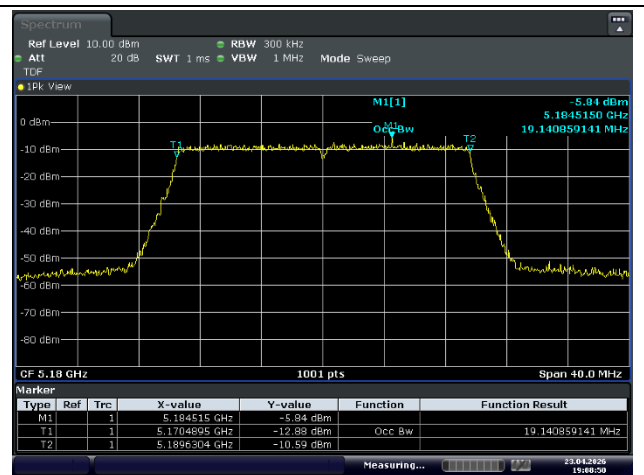
11ac_VHT80 (U-NII 3)



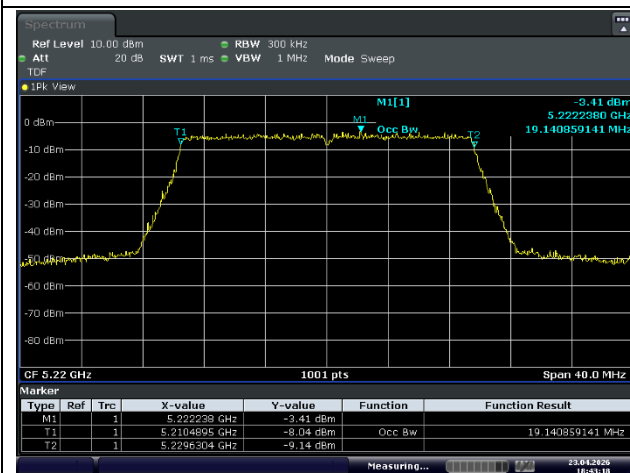
11ax_HE20 (U-NII 1)



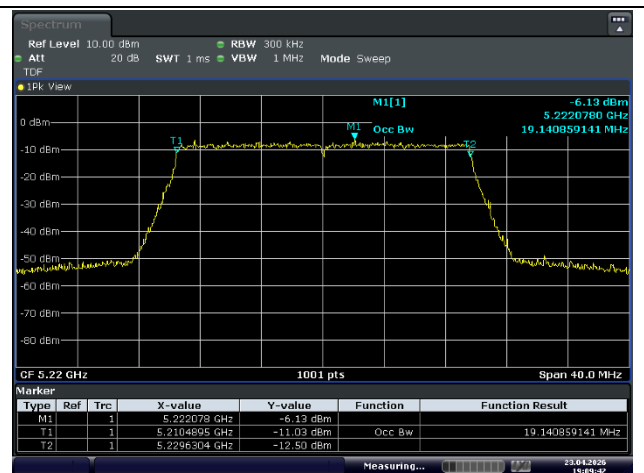
Ant. 0_Low Channel (5 180 MHz)



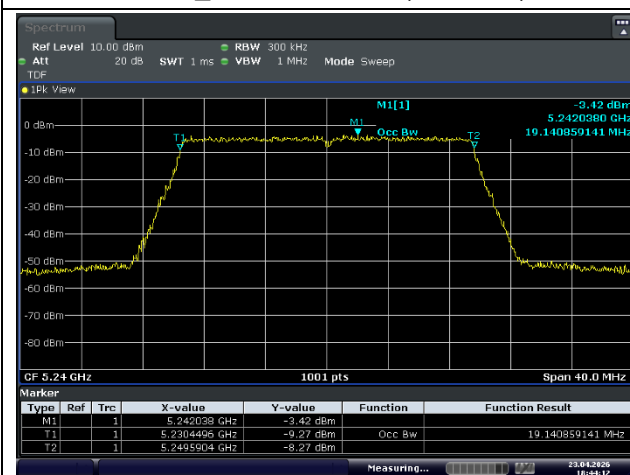
Ant. 1_Low Channel (5 180 MHz)



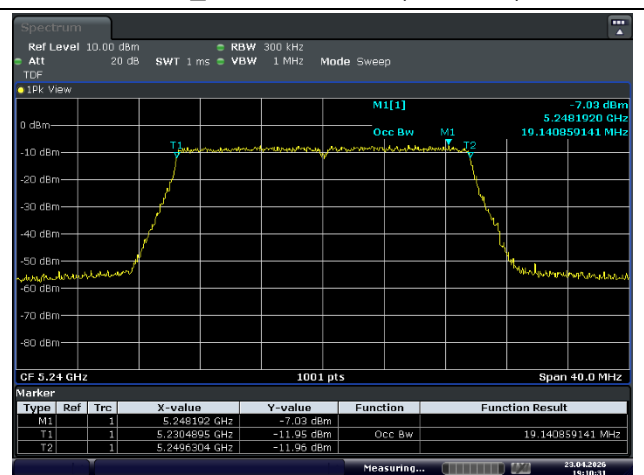
Ant. 0_Middle Channel (5 220 MHz)



Ant. 1_Middle Channel (5 220 MHz)

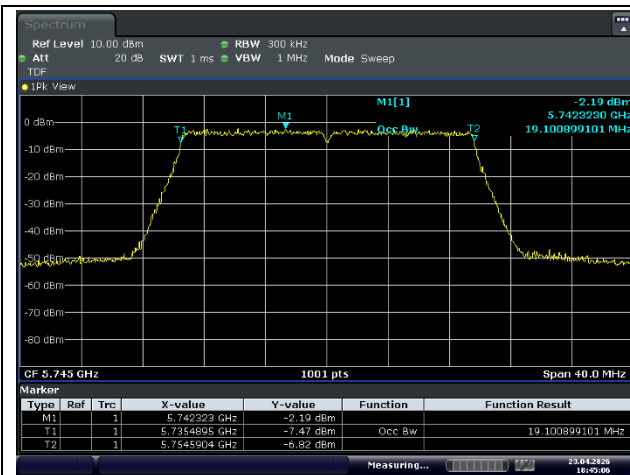


Ant. 0_High Channel (5 240 MHz)

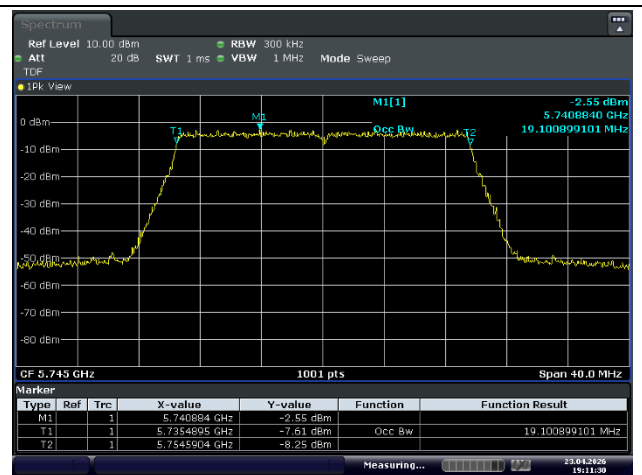


Ant. 1_High Channel (5 240 MHz)

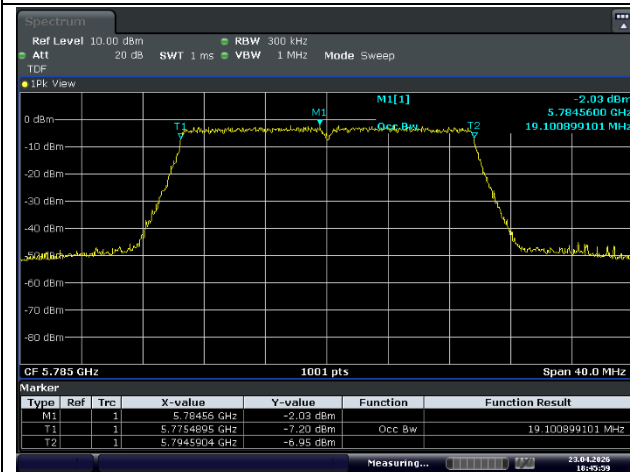
11ax_HE20 (U-NII 3)



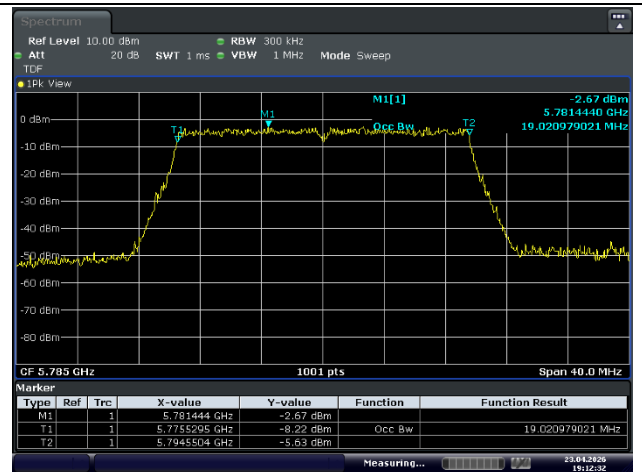
Ant. 0_Low Channel (5 745 MHz)



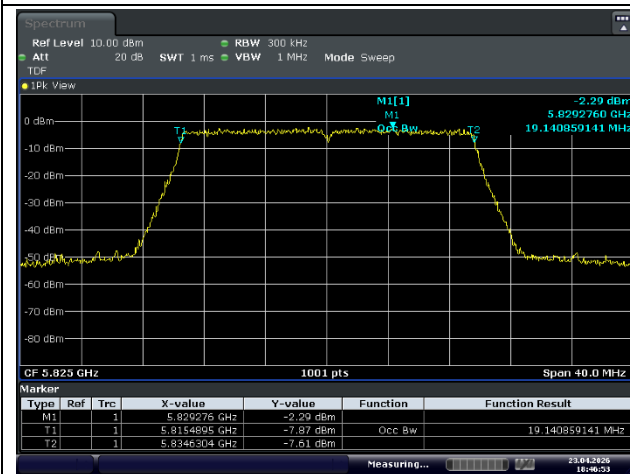
Ant. 1_Low Channel (5 745 MHz)



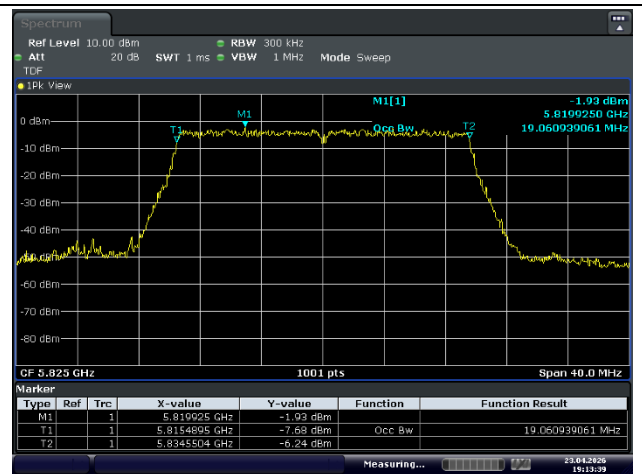
Ant. 0_Middle Channel (5 785 MHz)



Ant. 1_Middle Channel (5 785 MHz)

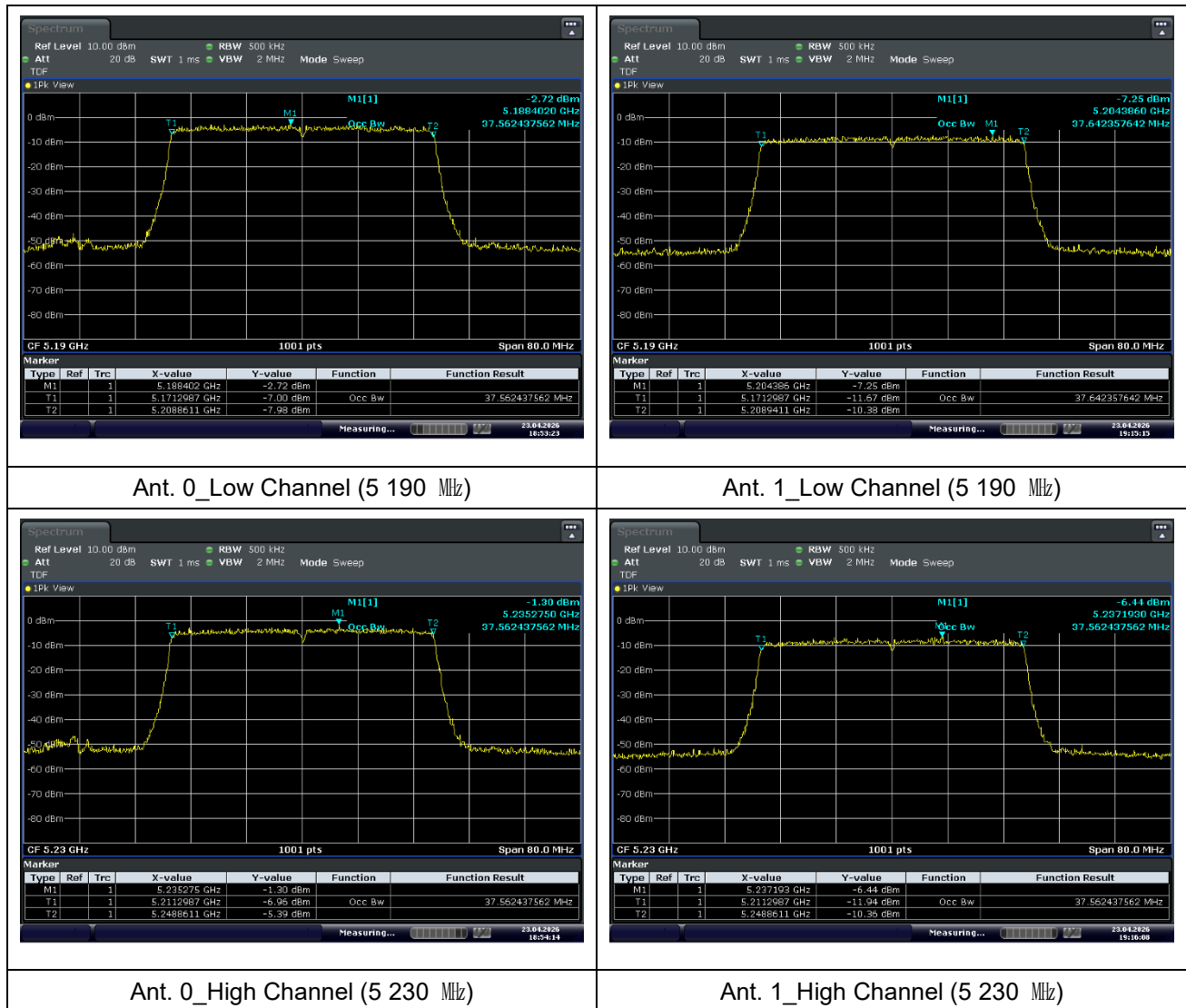


Ant. 0_High Channel (5 825 MHz)

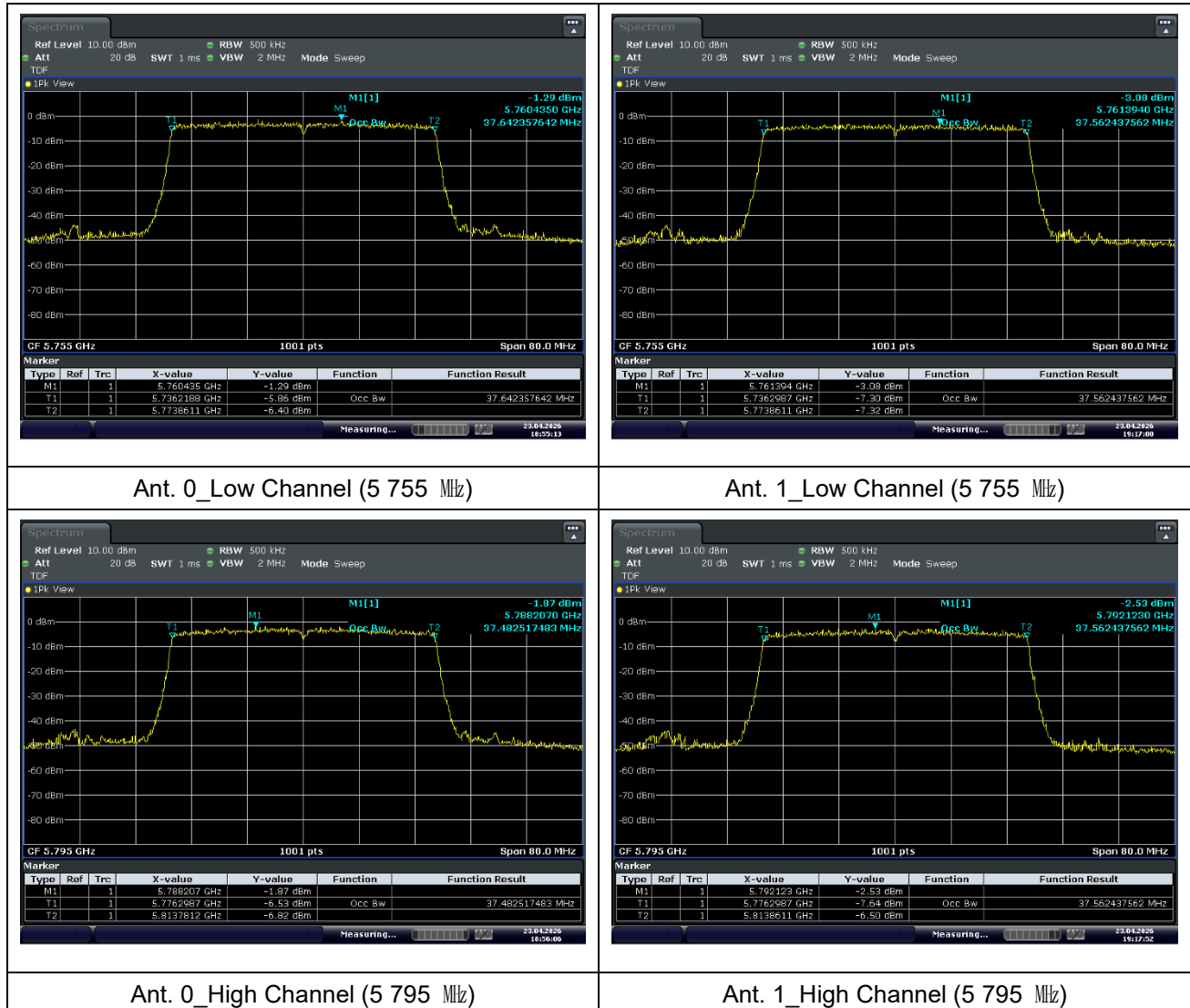


Ant. 1_High Channel (5 825 MHz)

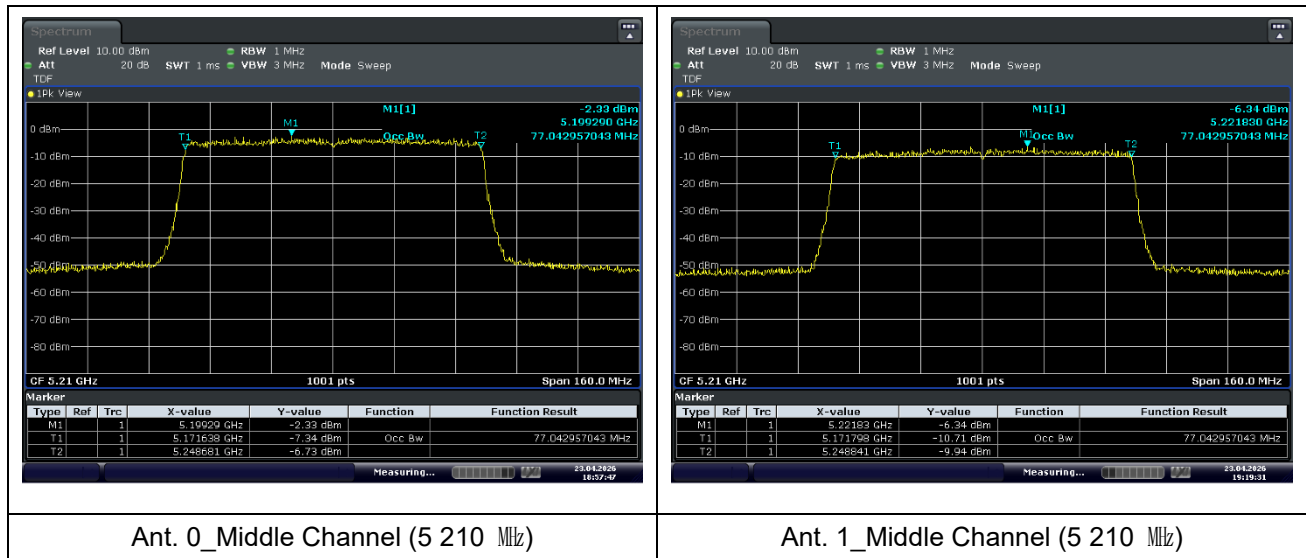
11ax_HE40 (U-NII 1)



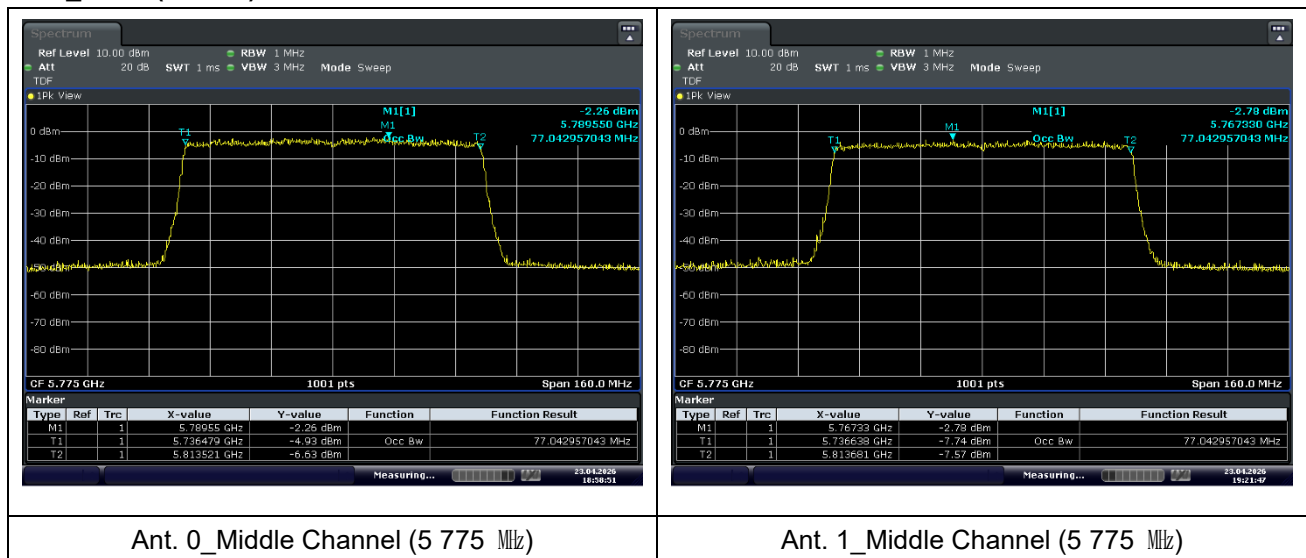
11ax_HE40 (U-NII 3)



11ax_HE80 (U-NII 1)

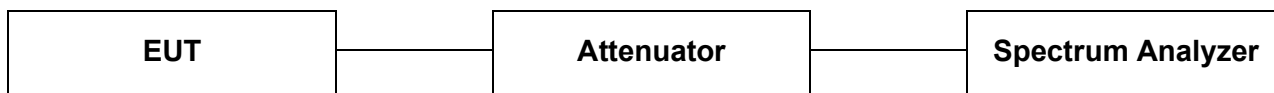


11ax_HE80 (U-NII 3)



4. 6 dB Bandwidth

4.1. Test Setup



4.2. Limit

4.2.1. FCC

According to §15.407(e), within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

4.2.2. IC

According to RSS-247 Issue 4, 7.3.4.2, for equipment operating in the band 5 725-5 850 MHz, the 6 dB bandwidth shall be at least 500 kHz.

4.3. Test Procedure

1. This measurement settings are specified in section II.C.2 of KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set RBW = 100 kHz.
3. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

4.4. Test Result

Ambient temperature : (23 ± 1) °C

Relative humidity : 47 %

- Ant. 0

Band	Mode	Frequency (MHz)	Ch.	Data Rate	6 dB Bandwidth (MHz)	Minimum Bandwidth (kHz)
U-NII 3	11a	5 745	149	48 Mbps	16.544	500
		5 785	157		16.504	
		5 825	165		16.504	

- Ant. 1

Band	Mode	Frequency (MHz)	Ch.	Data Rate	6 dB Bandwidth (MHz)	Minimum Bandwidth (kHz)
U-NII 3	11a	5 745	149	48 Mbps	16.484	500
		5 785	157		16.504	
		5 825	165		16.524	

- Ant. 2

Band	Mode	Frequency (MHz)	Ch.	Data Rate	6 dB Bandwidth (MHz)	Minimum Bandwidth (kHz)
U-NII 3	11a	5 745	149	54 Mbps	16.504	500
		5 785	157		16.504	
		5 825	165		16.504	
	11ac_VHT20	5 745	149	MCS8	17.762	
		5 785	157		17.642	
		5 825	165		17.742	
	11ac_VHT40	5 755	151	MCS8	36.484	
		5 795	159		36.484	
	11ac_VHT80	5 775	155	MCS9	76.484	
	11ax_HE20	5 745	149	MCS8	19.087	
		5 785	157		19.087	
		5 825	165		19.100	
	11ax_HE40	5 755	151	MCS8	37.774	
		5 795	159		37.774	
	11ax_HE80	5 775	155	MCS8	77.787	

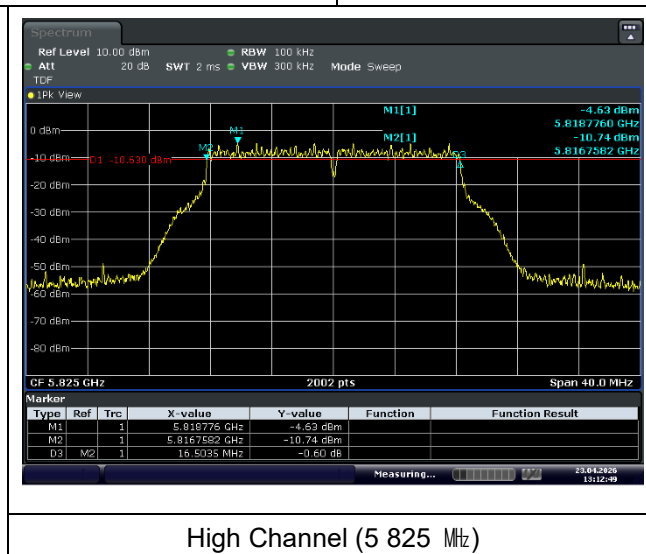
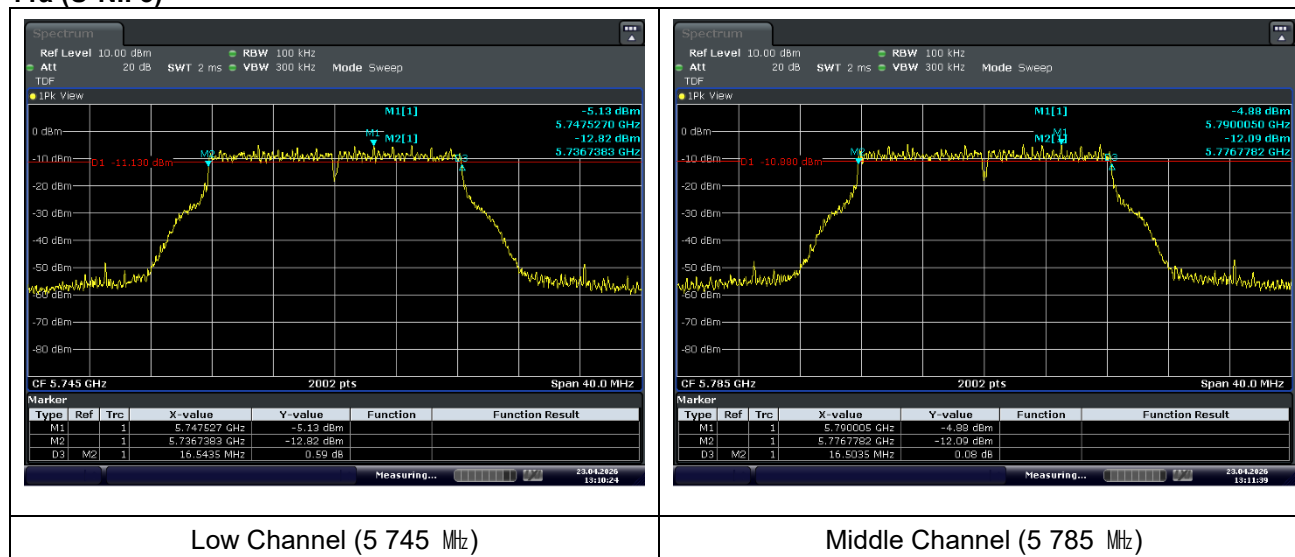
- Ant. 0 + Ant. 1

Band	Mode	Frequency (MHz)	Ch.	Data Rate	6 dB Bandwidth (MHz)		Minimum Bandwidth (kHz)
					Ant. 0	Ant. 1	
U-NII 3	11ac_VHT20	5 745	149	MCS6	17.762	17.702	500
		5 785	157		17.742	17.702	
		5 825	165		17.742	17.762	
	11ac_VHT40	5 755	151	MCS9	36.484	36.484	
		5 795	159		36.404	36.484	
	11ac_VHT80	5 775	155	MCS5	76.484	76.484	
	11ax_HE20	5 745	149	MCS2	19.087	19.100	
		5 785	157		19.034	19.074	
		5 825	165		19.100	19.060	
	11ax_HE40	5 755	151	MCS7	37.747	37.694	
		5 795	159		37.588	37.454	
	11ax_HE80	5 775	155	MCS4	77.521	77.521	

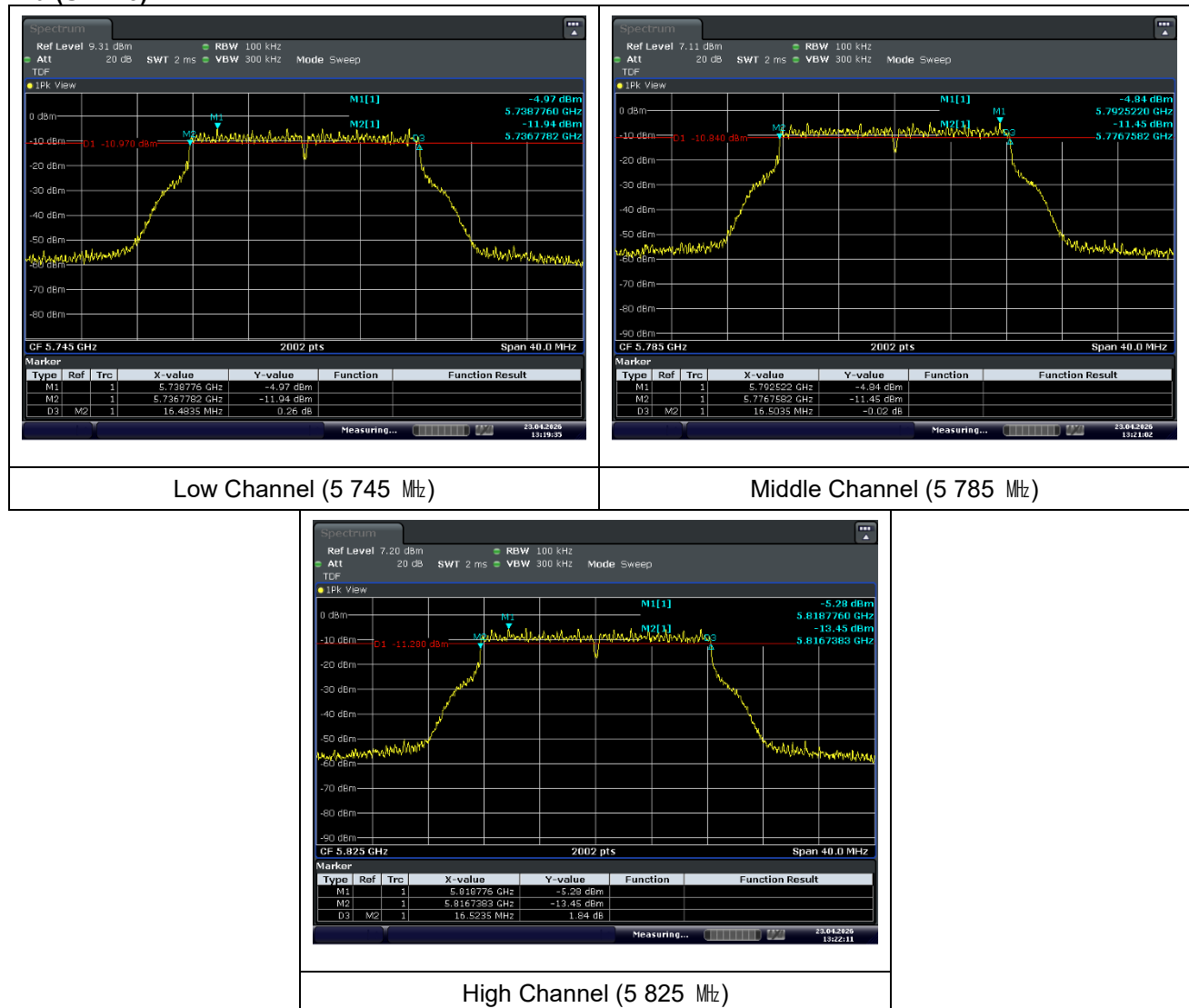
Test plots

- Ant. 0

11a (U-NII 3)

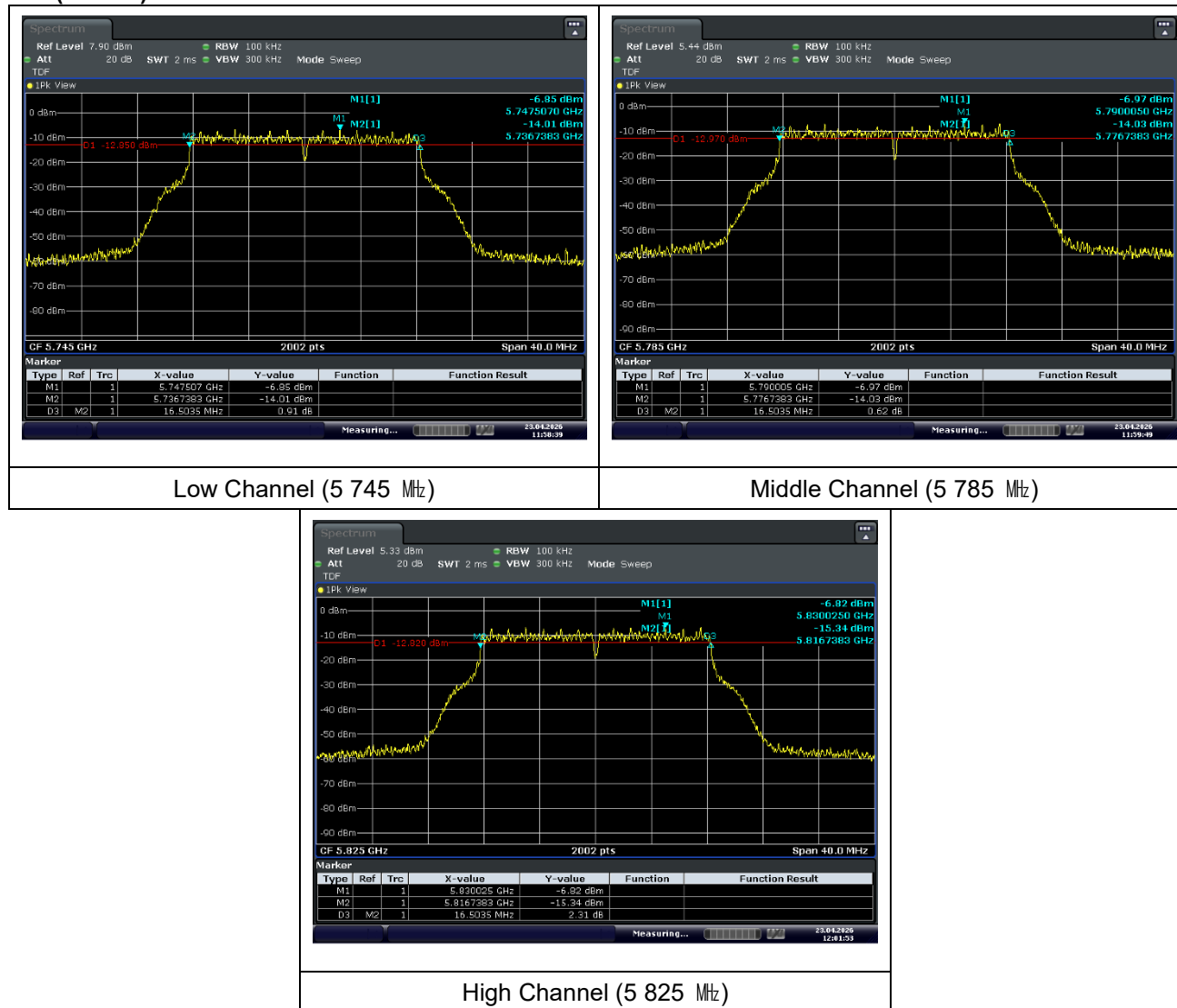


**- Ant. 1
11a (U-NII 3)**

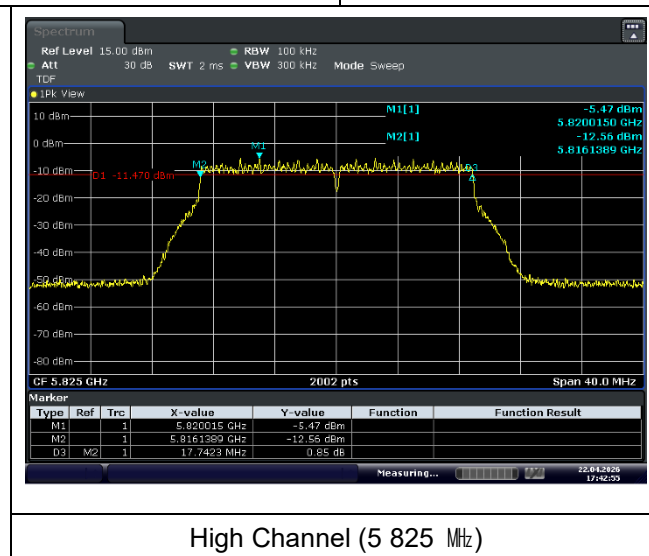
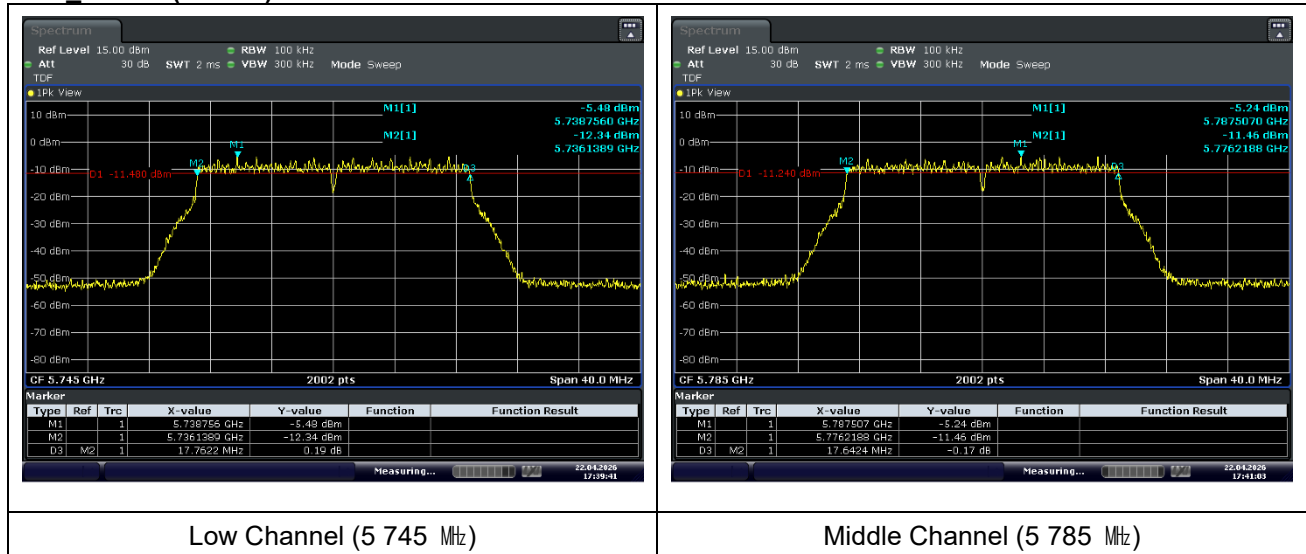


- Ant. 2

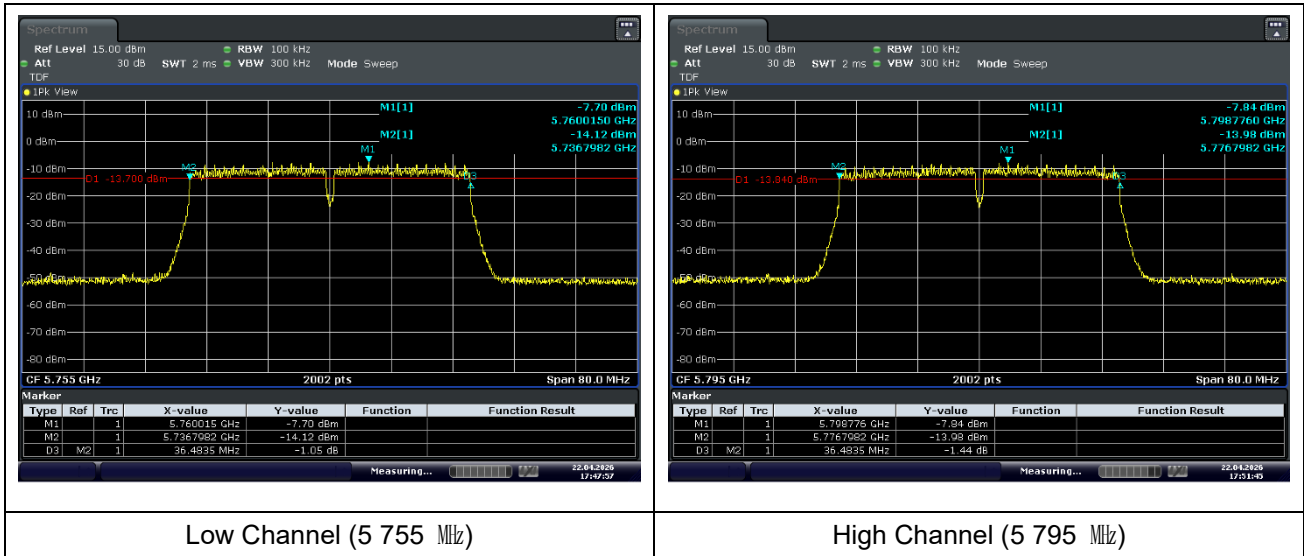
11a (U-NII 3)



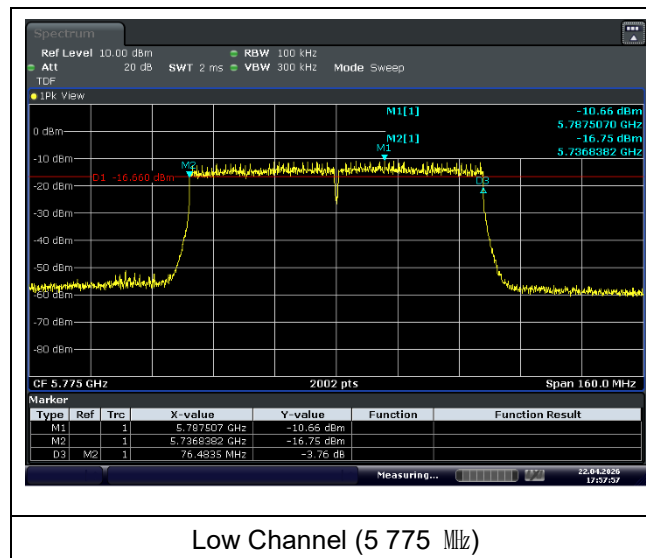
11ac_VHT20 (U-NII 3)



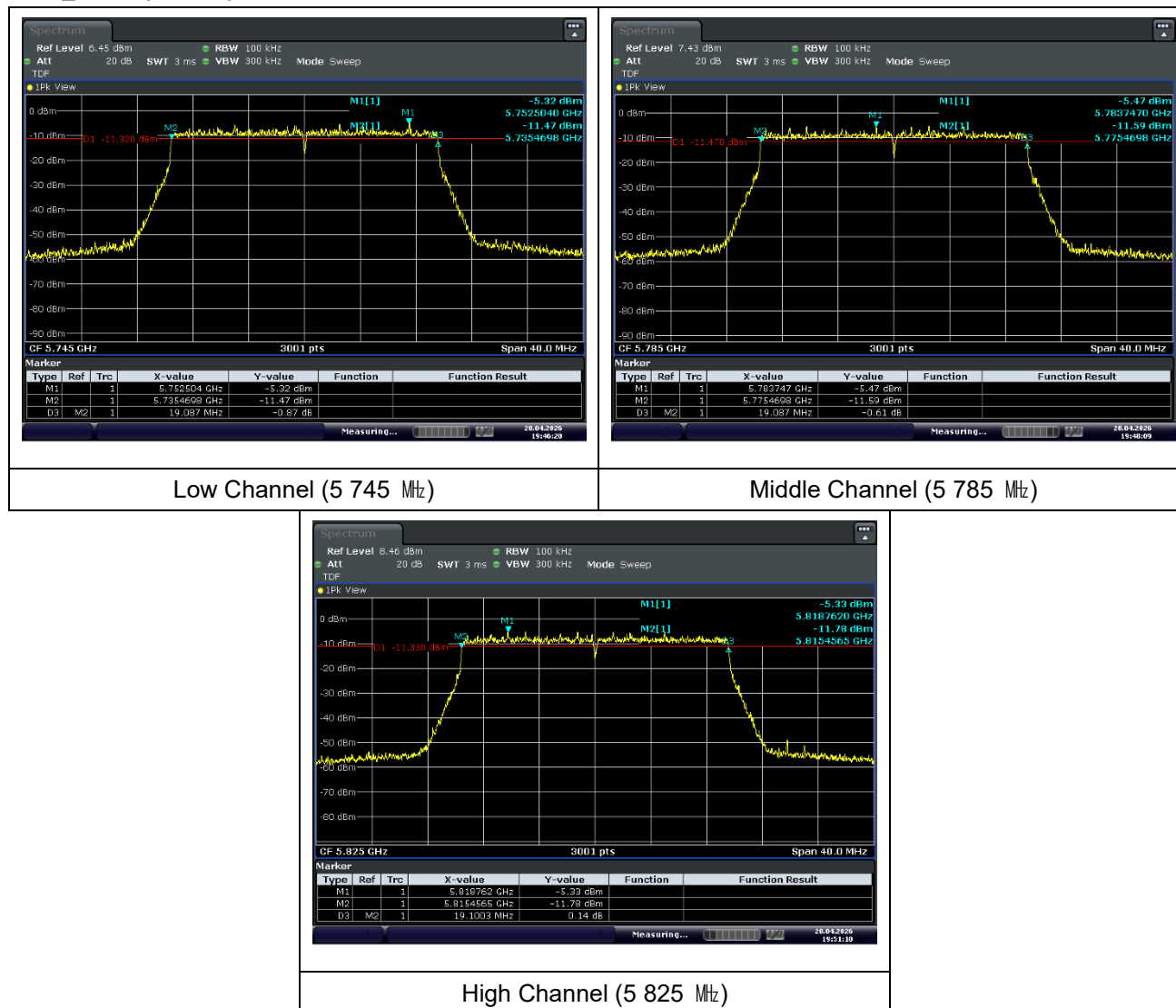
11ac_VHT40 (U-NII 3)



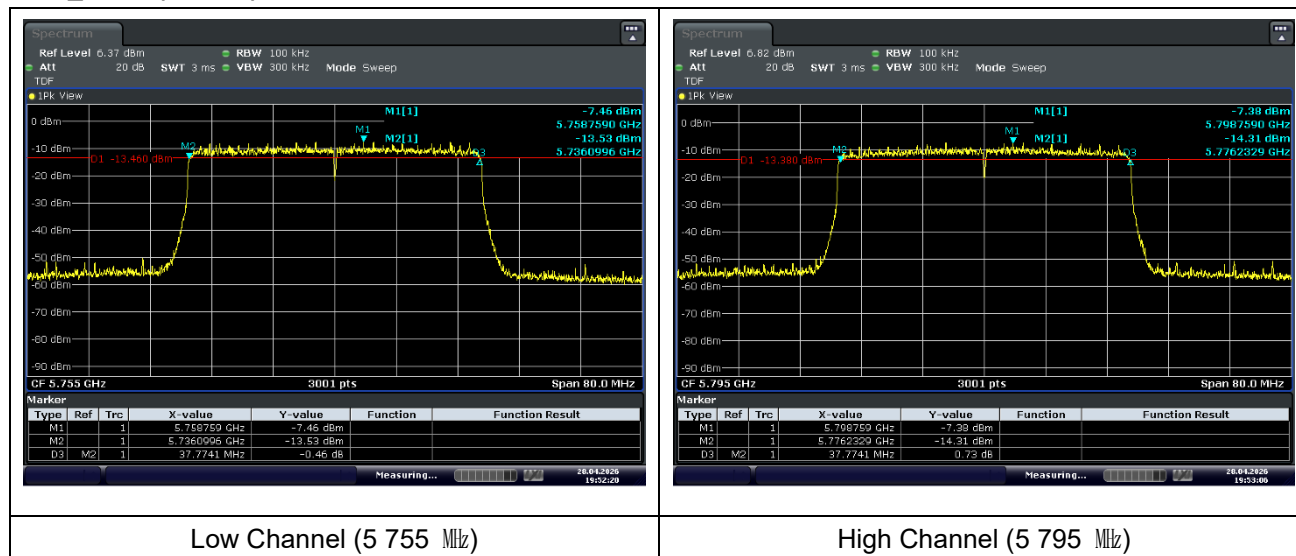
1ac_VHT80 (U-NII 3)



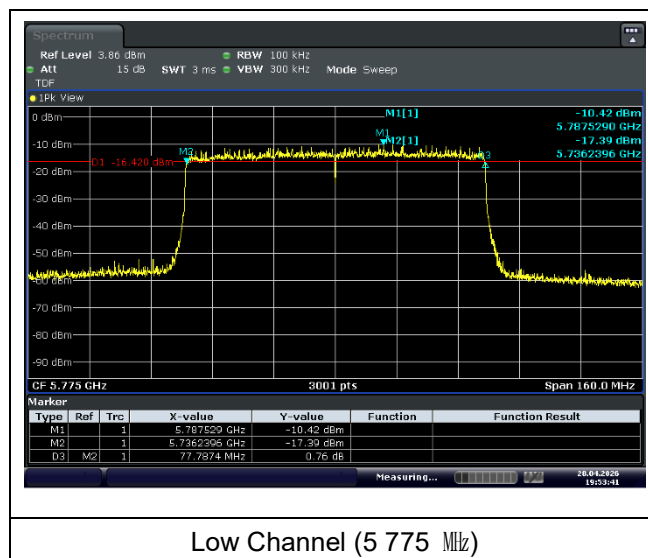
11ax_HE20 (U-NII 3)



11ax_HE40 (U-NII 3)

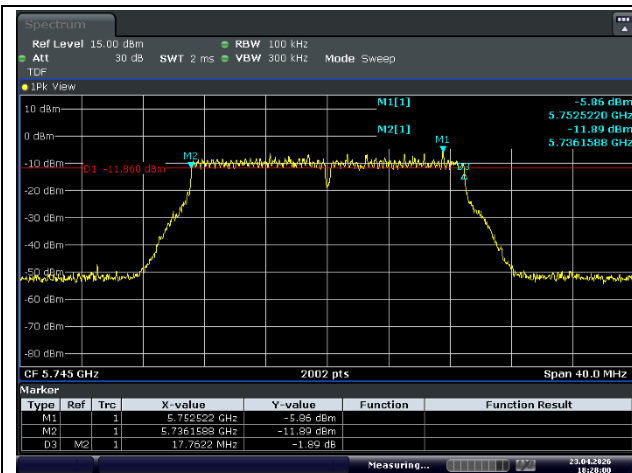


11ax_HE80 (U-NII 3)

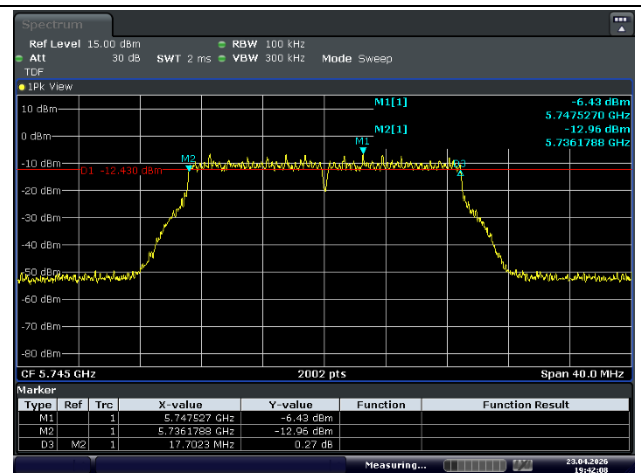


- Ant. 0 + Ant. 1

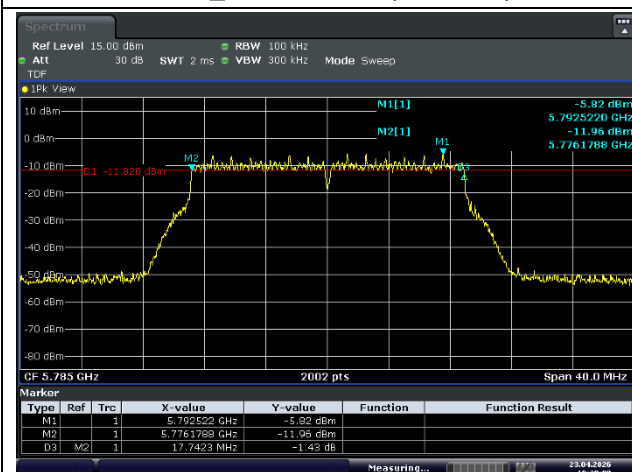
11ac_VHT20 (U-NII 3)



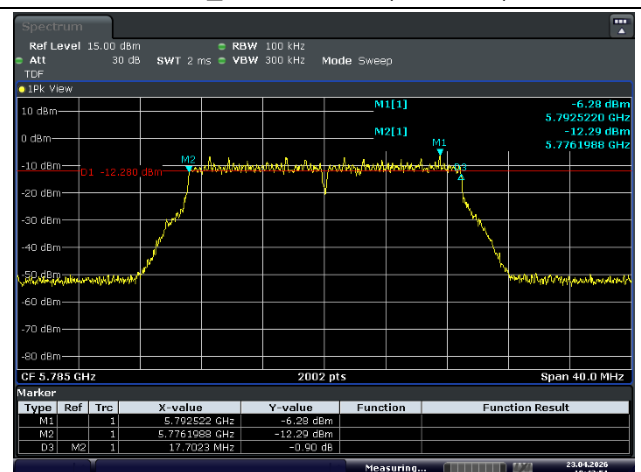
Ant. 0_Low Channel (5 745 MHz)



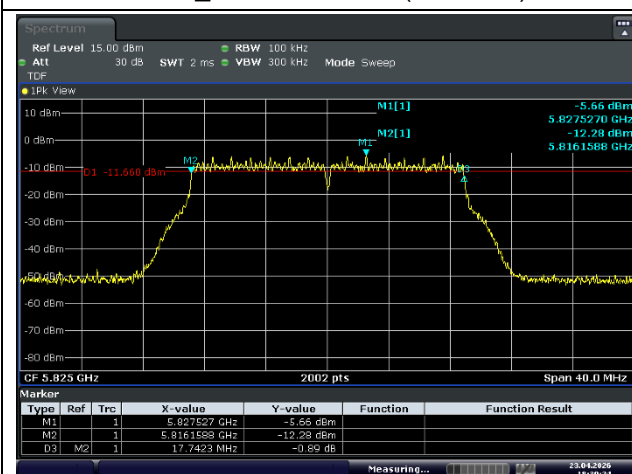
Ant. 1_Low Channel (5 745 MHz)



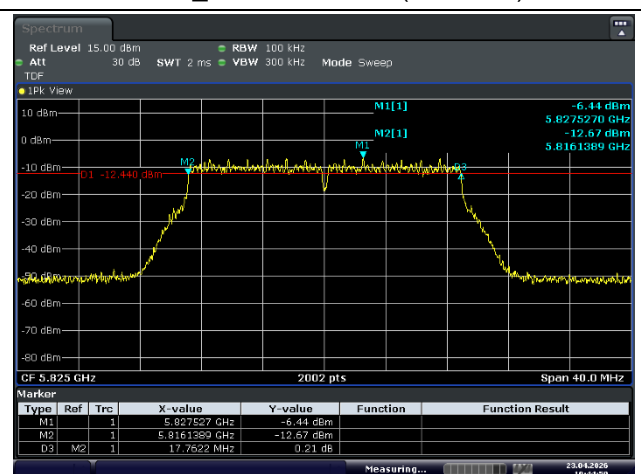
Ant. 0_Middle Channel (5 785 MHz)



Ant. 1_Middle Channel (5 785 MHz)

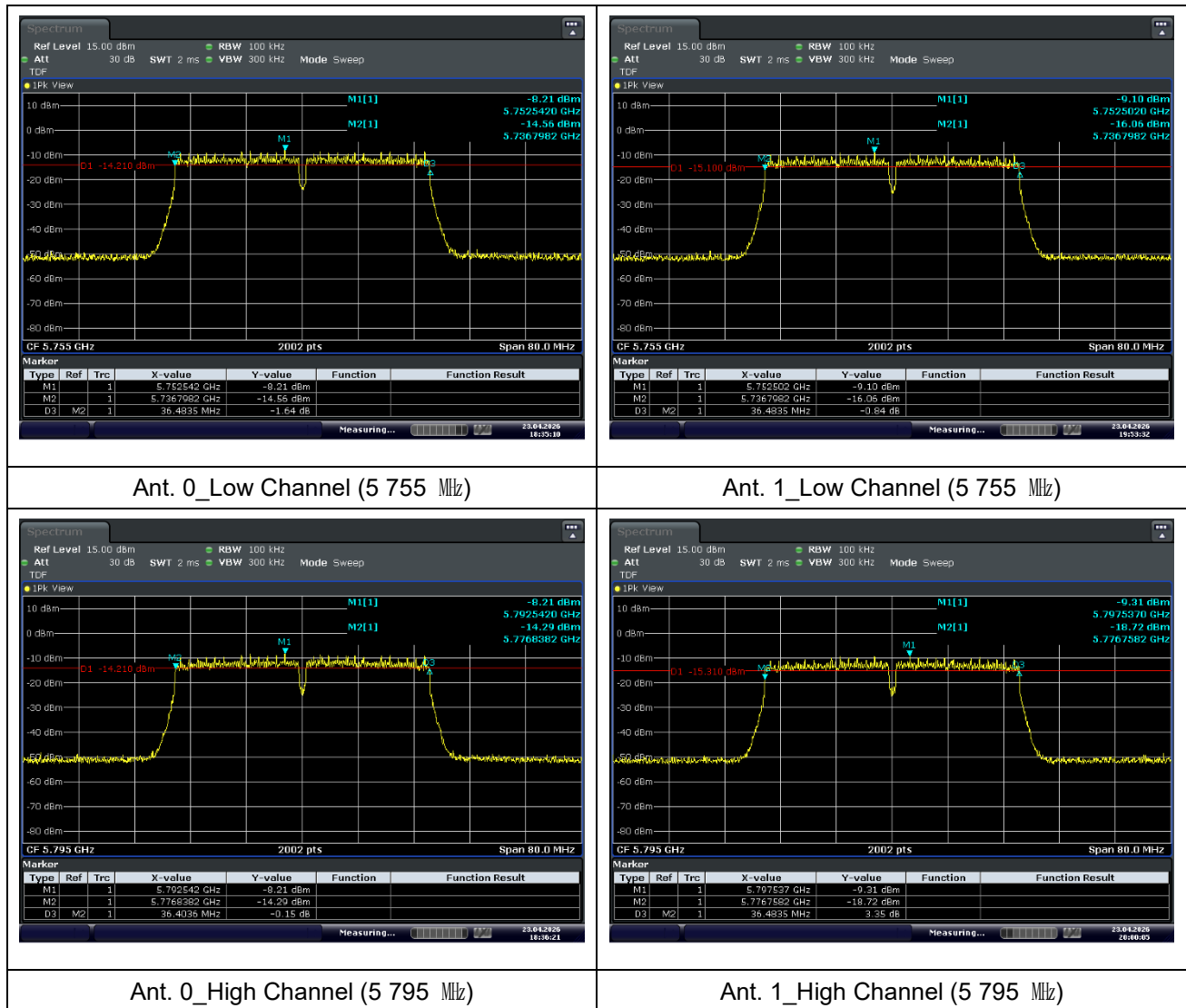


Ant. 0_High Channel (5 825 MHz)



Ant. 1_High Channel (5 825 MHz)

11ac_VHT40 (U-NII 3)



11ac_VHT80 (U-NII 3)

