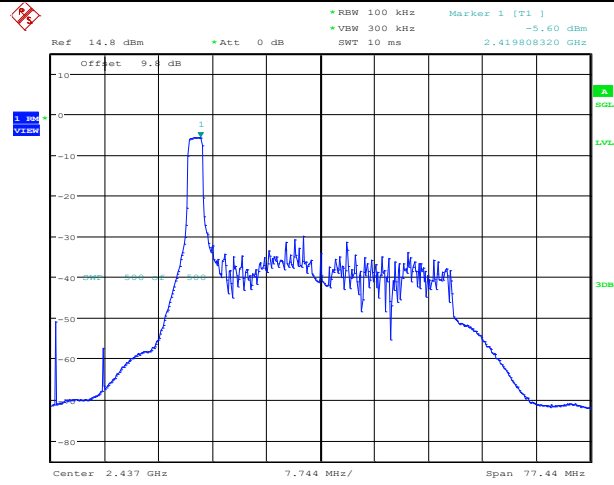
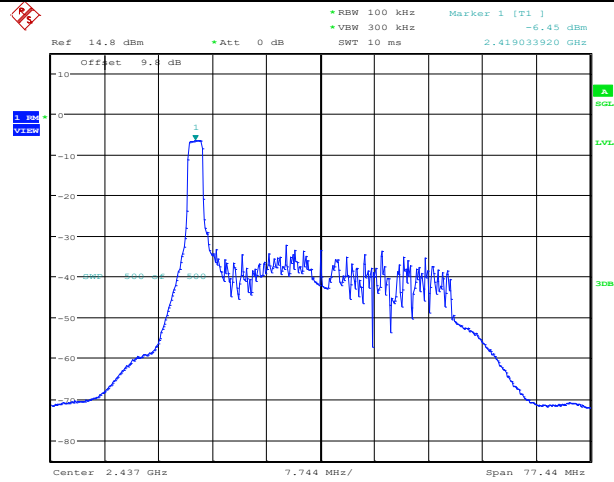


### 2437MHz, 802.11ax (HEW40) RU26,ANT 0



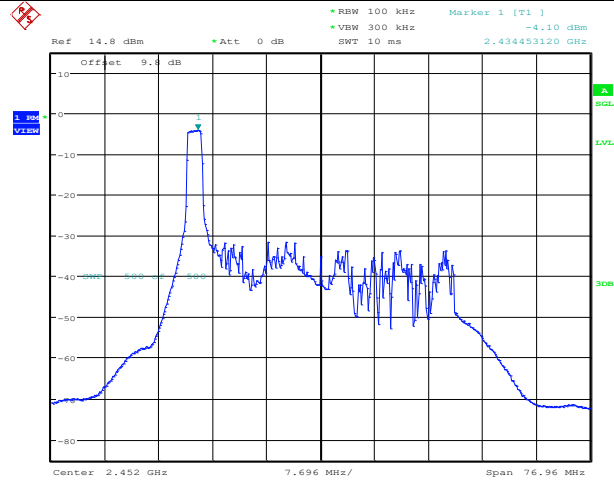
Date: 9.OCT.2021 19:22:13

### 2437MHz, 802.11ax (HEW40) RU26,ANT 1

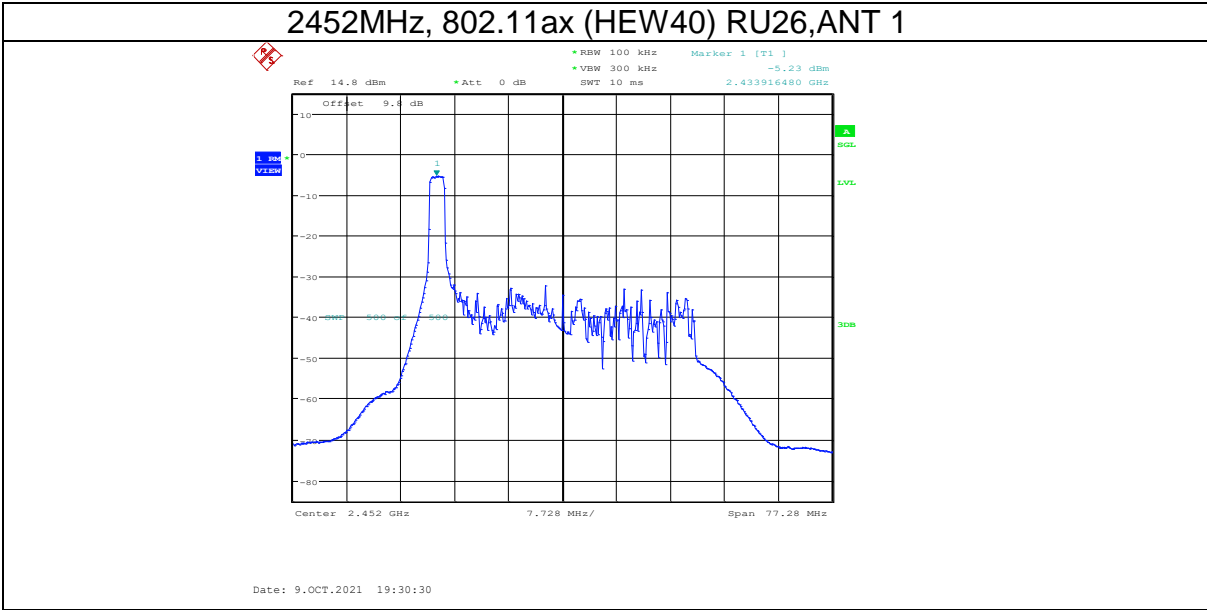


Date: 9.OCT.2021 19:29:17

### 2452MHz, 802.11ax (HEW40) RU26,ANT 0

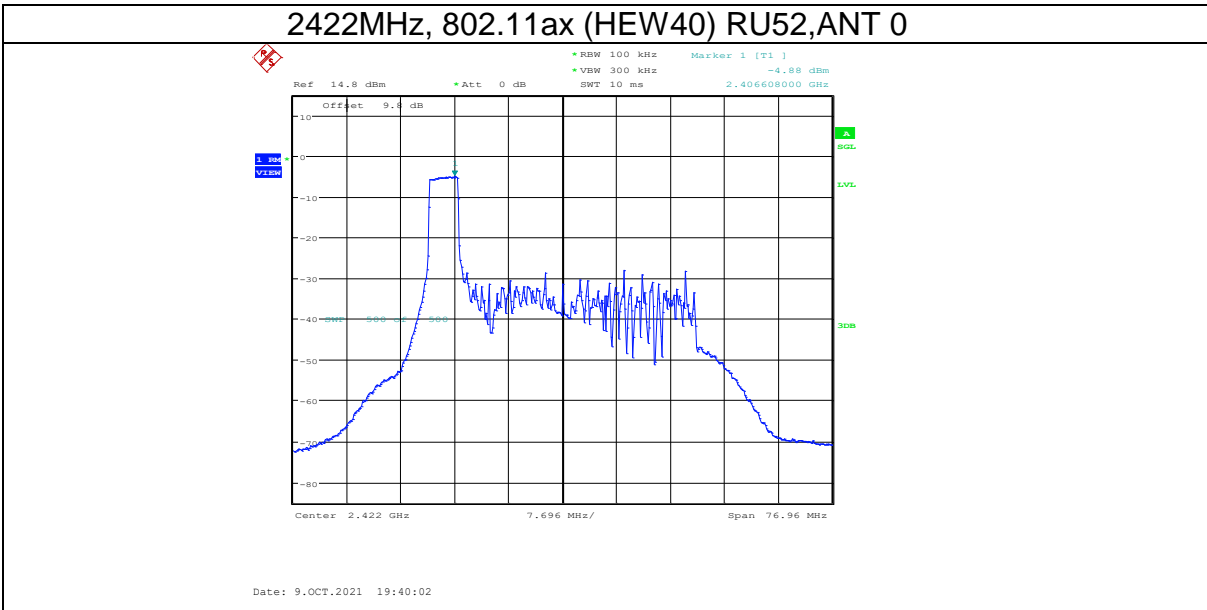


Date: 9.OCT.2021 19:22:46

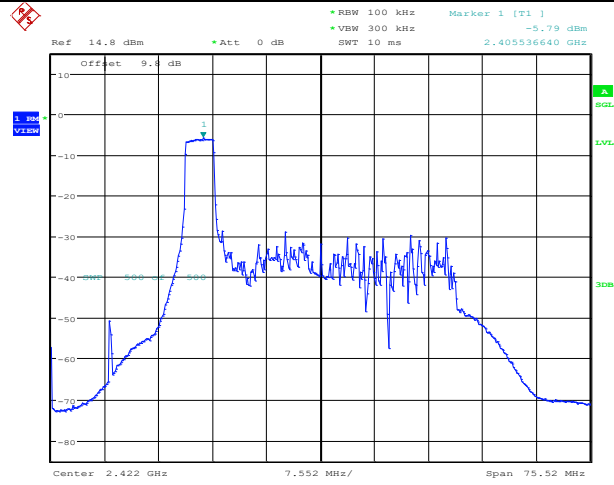


### 802.11ax (HEW40) RU52 Mode

Frequency (MHz)	Measured		Duty Factor	Total PSD with Duty Factor (dBm)	Limit (dBm)	Verdict
	ANT 0 (dBm)	ANT 1 (dBm)				
2422	-4.88	-5.79	0	-2.30	8	PASS
2437	-5.33	-6.18	0	-2.72	8	PASS
2452	-4.17	-5.19	0	-1.64	8	PASS

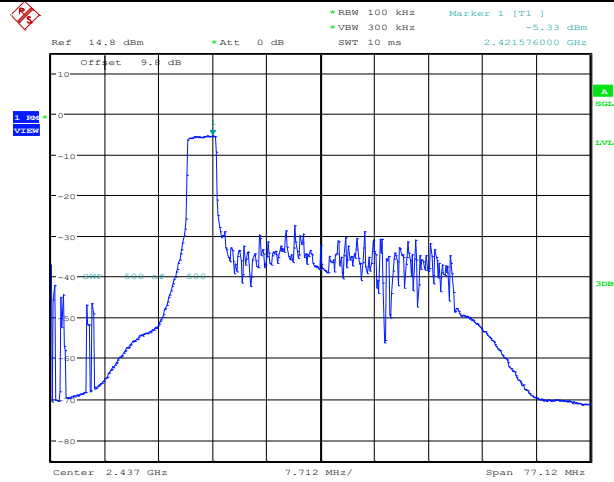


### 2422MHz, 802.11ax (HEW40) RU52,ANT 1



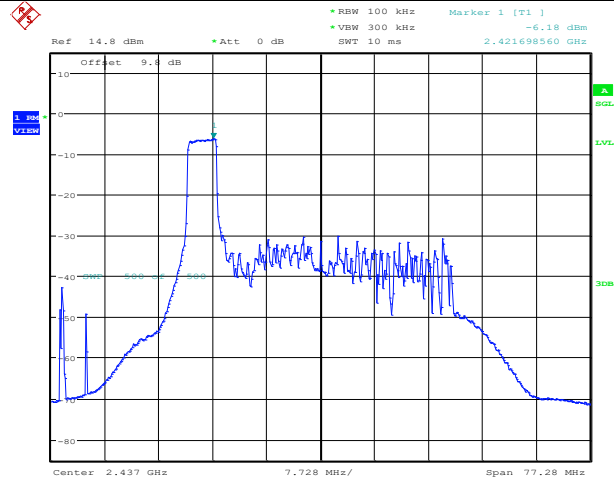
Date: 9.OCT.2021 19:45:14

### 2437MHz, 802.11ax (HEW40) RU52,ANT 0



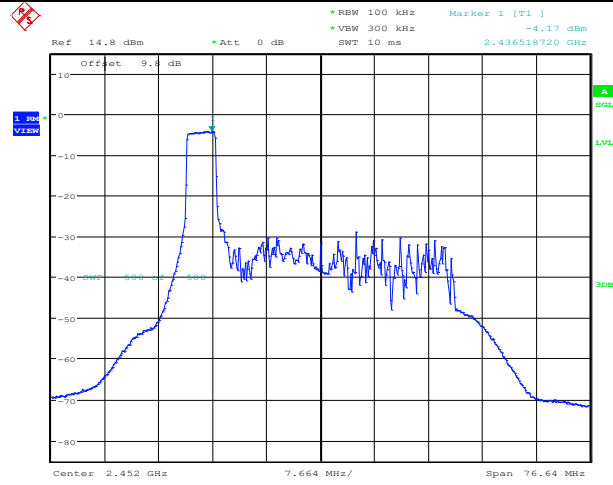
Date: 9.OCT.2021 19:40:40

### 2437MHz, 802.11ax (HEW40) RU52,ANT 1



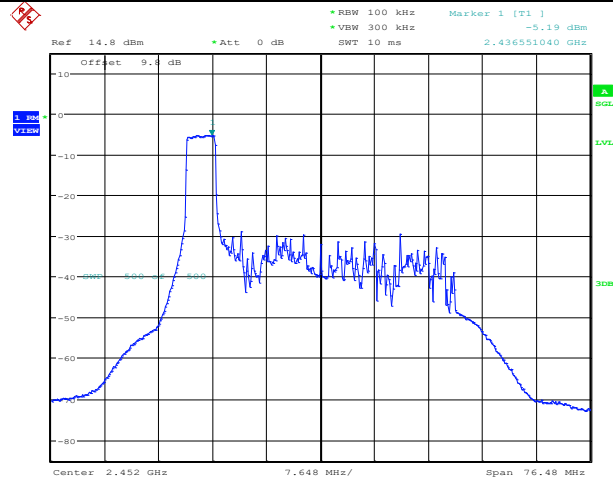
Date: 9.OCT.2021 19:45:46

### 2452MHz, 802.11ax (HEW40) RU52,ANT 0



Date: 9.OCT.2021 19:41:19

### 2452MHz, 802.11ax (HEW40) RU52,ANT 1

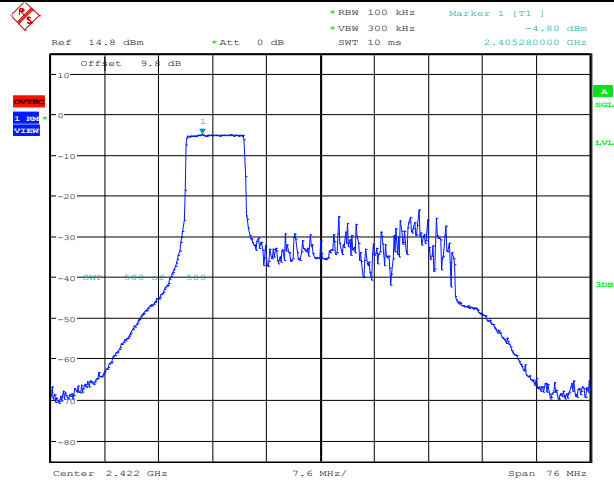


Date: 9.OCT.2021 19:46:12

### 802.11ax (HEW40) RU106 Mode

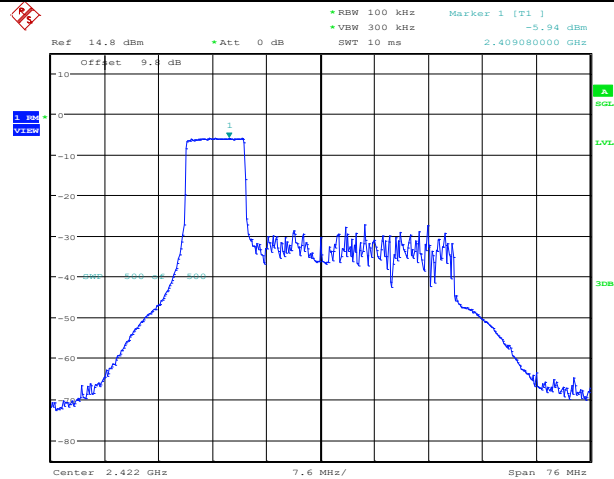
Frequency (MHz)	Measured		Duty Factor	Total PSD with Duty Factor	Limit	Verdict
	ANT 0	ANT 1				
	dBm	dBm		dBm	dBm	
2422	-4.8	-5.94	0	-2.32	8	PASS
2437	-4.68	-5.28	0	-1.96	8	PASS
2452	-3.84	-4.89	0	-1.32	8	PASS

### 2422MHz, 802.11ax (HEW40) RU106,ANT 0



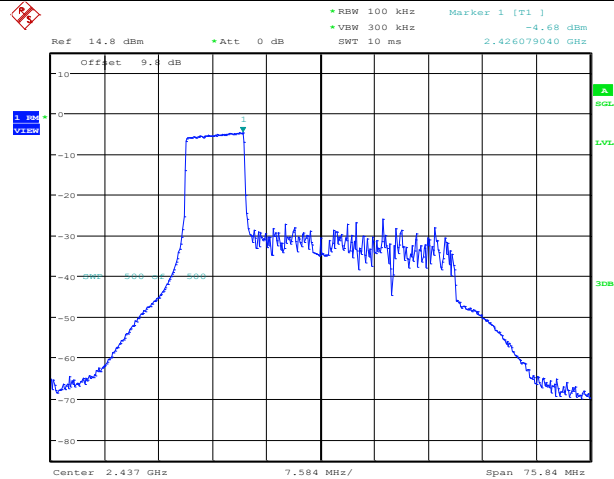
Date: 9.OCT.2021 19:51:10

### 2422MHz, 802.11ax (HEW40) RU106,ANT 1



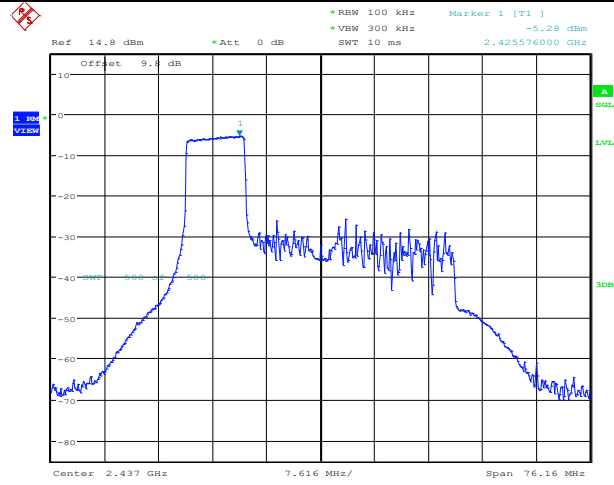
Date: 9.OCT.2021 19:54:44

### 2437MHz, 802.11ax (HEW40) RU106,ANT 0



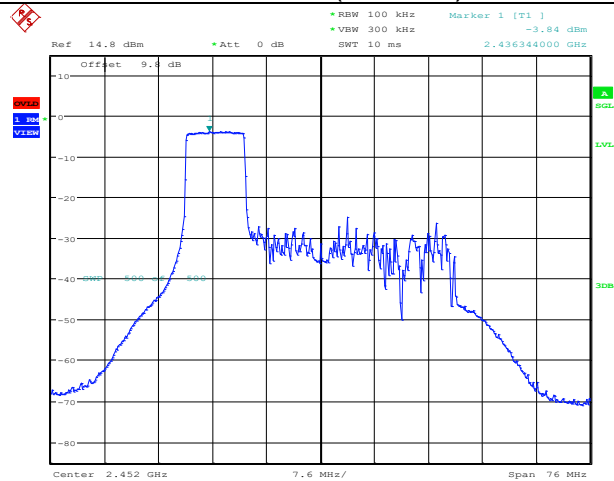
Date: 9.OCT.2021 19:52:00

### 2437MHz, 802.11ax (HEW40) RU106,ANT 1



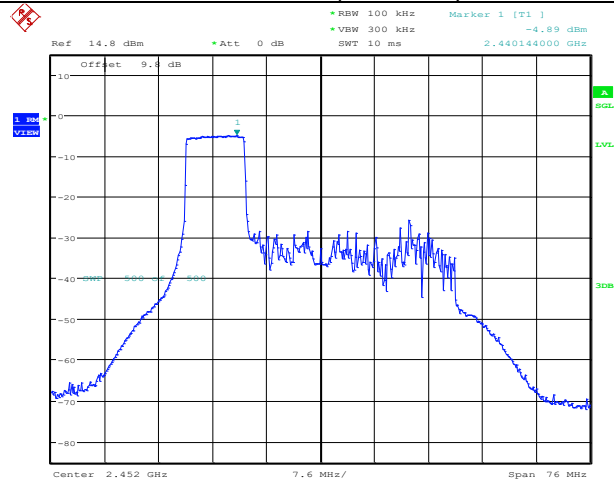
Date: 9.OCT.2021 19:55:16

### 2452MHz, 802.11ax (HEW40) RU106,ANT 0



Date: 9.OCT.2021 19:52:36

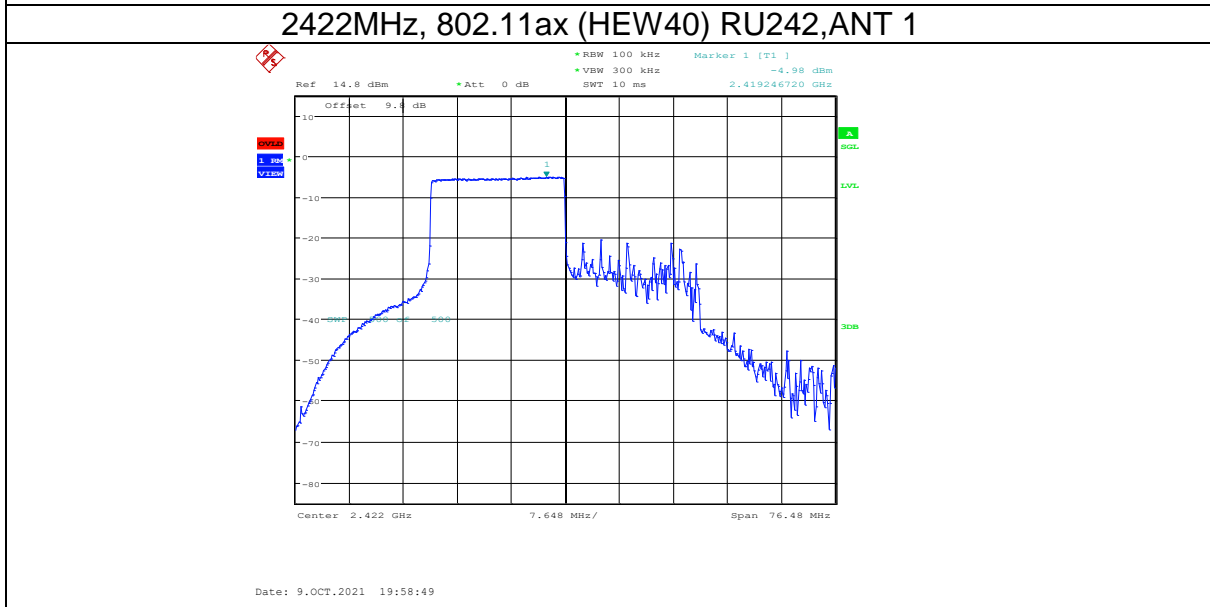
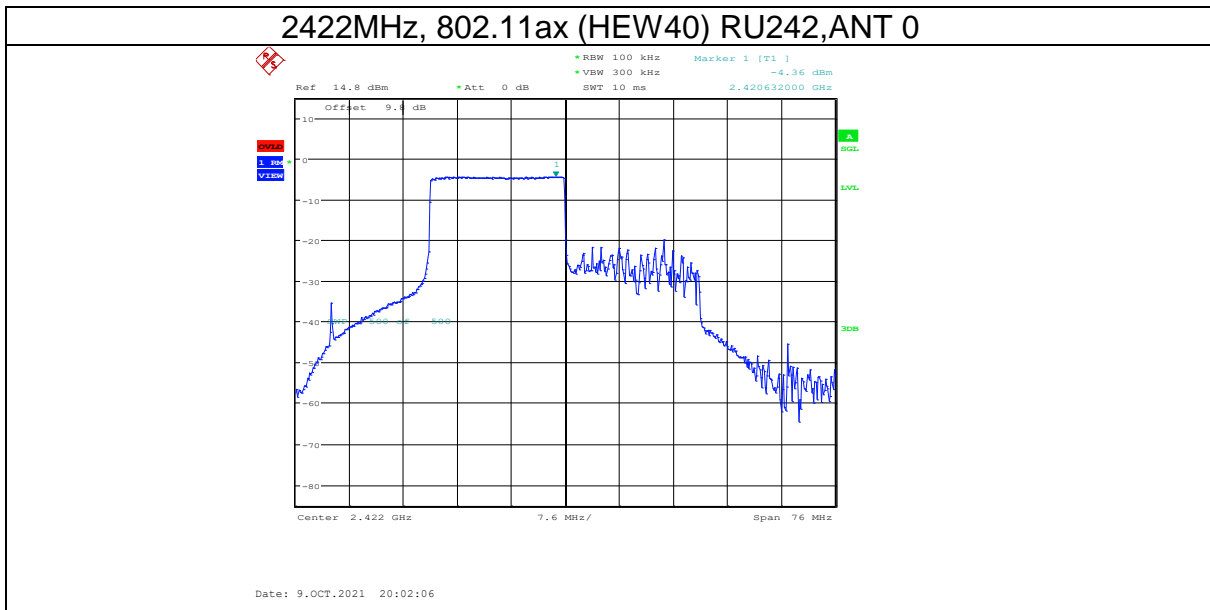
### 2452MHz, 802.11ax (HEW40) RU106,ANT 1



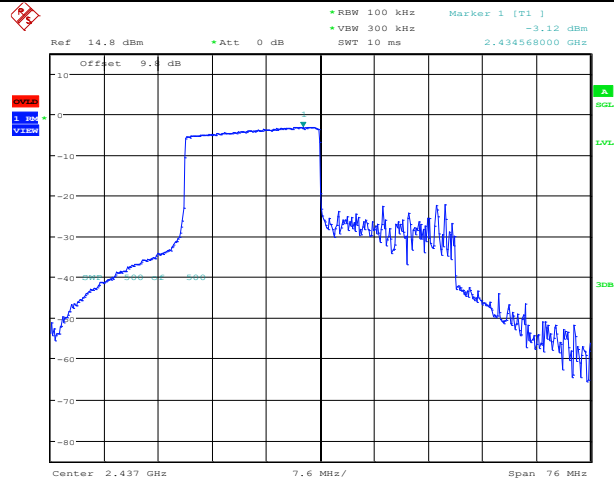
Date: 9.OCT.2021 19:55:49

802.11ax (HEW40) RU242 Mode

Frequency (MHz)	Measured		Duty Factor	Total PSD with Duty Factor	Limit	Verdict
	ANT 0	ANT 1				
	dBm	dBm		dBm	dBm	
2422	-4.36	-4.98	0	-1.65	8	PASS
2437	-3.12	-4.18	0	-0.61	8	PASS
2452	-3.24	-4.5	0	-0.81	8	PASS

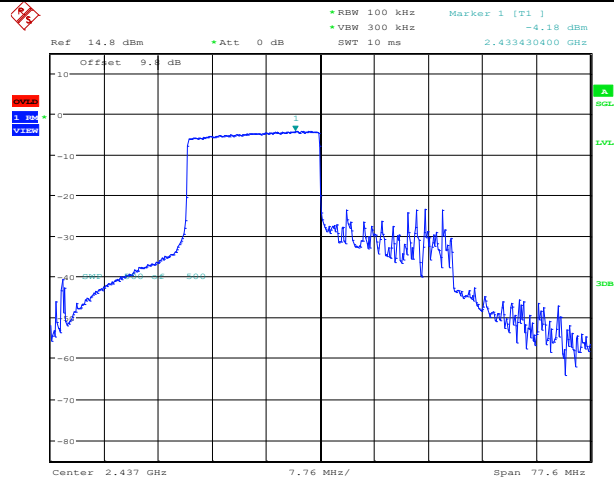


### 2437MHz, 802.11ax (HEW40) RU242,ANT 0



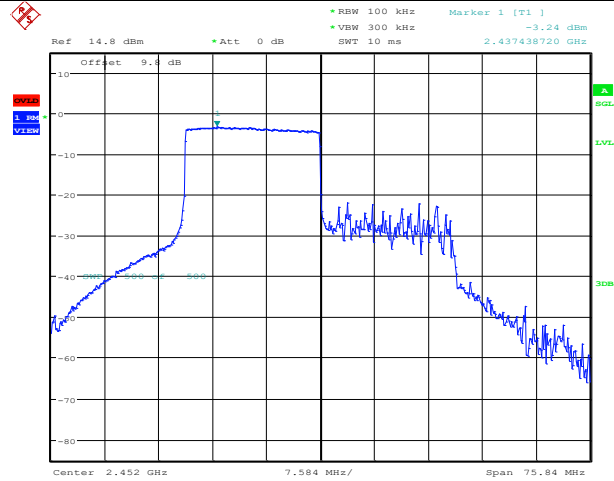
Date: 9.OCT.2021 20:02:31

### 2437MHz, 802.11ax (HEW40) RU242,ANT 1



Date: 9.OCT.2021 19:59:22

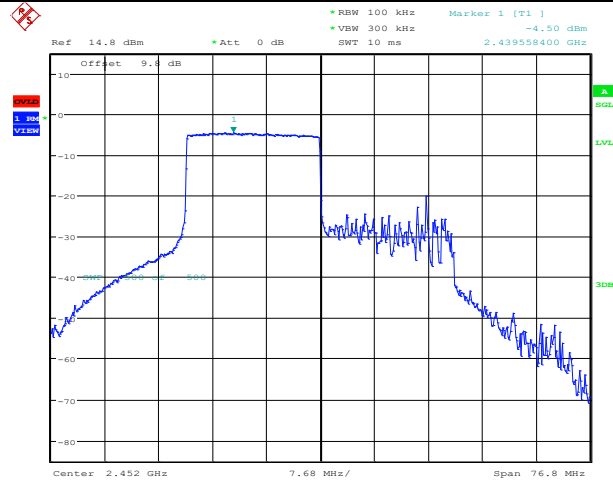
### 2452MHz, 802.11ax (HEW40) RU242,ANT 0



Date: 9.OCT.2021 20:02:59



### 2452MHz, 802.11ax (HEW40) RU242,ANT 1

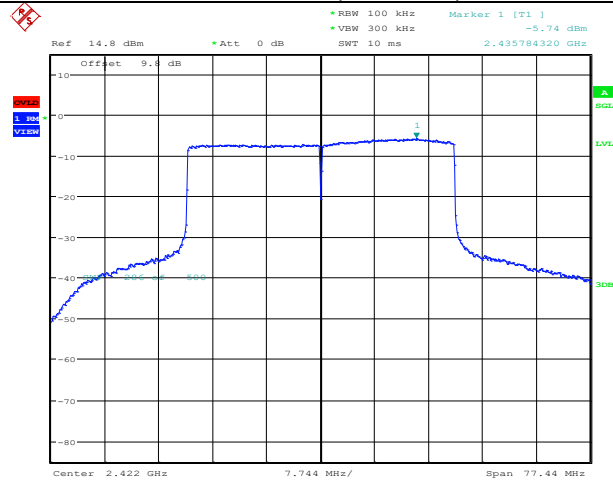


Date: 9.OCT.2021 19:59:56

### 802.11ax (HEW40) RU484 Mode

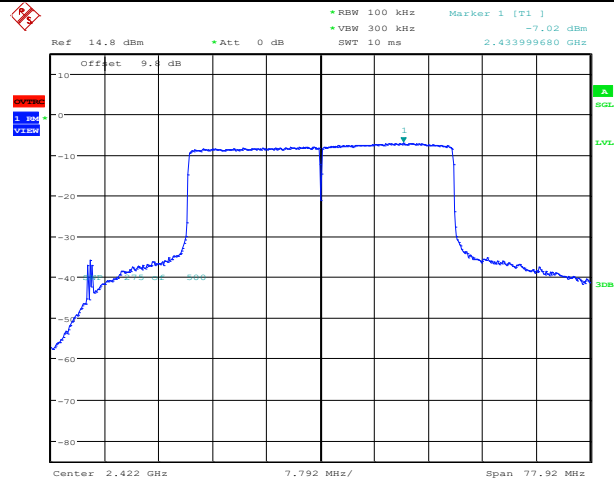
Frequency (MHz)	Measured		Duty Factor	Total PSD with Duty Factor (dBm)	Limit (dBm)	Verdict
	ANT 0 (dBm)	ANT 1 (dBm)				
2422	-5.74	-7.02	0	-3.32	8	PASS
2437	-6.07	-7.17	0	-3.57	8	PASS
2452	-6.14	-7.48	0	-3.75	8	PASS

### 2422MHz, 802.11ax (HEW40) RU484,ANT 0



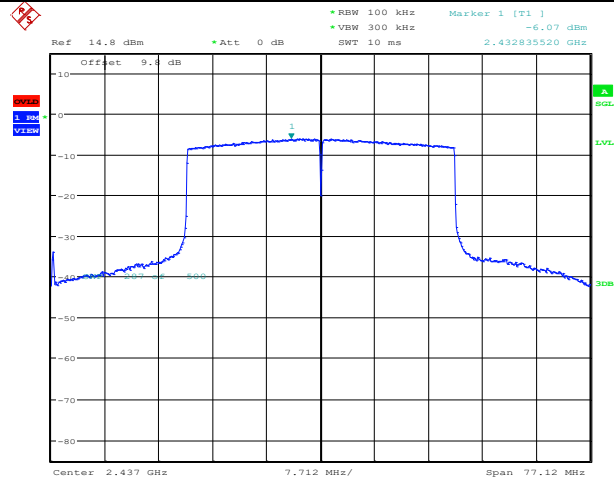
Date: 9.OCT.2021 20:06:23

### 2422MHz, 802.11ax (HEW40) RU484,ANT 1



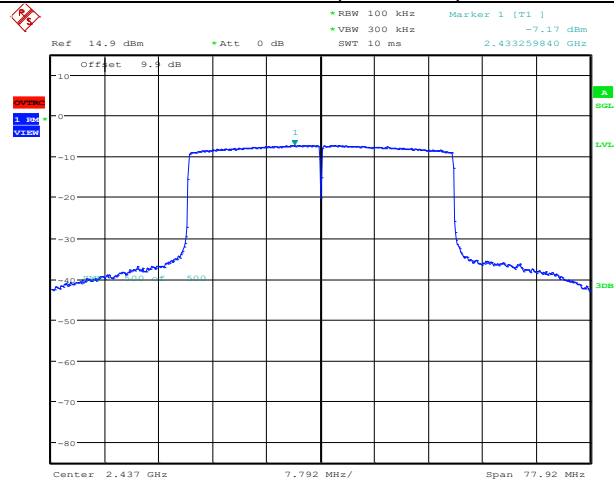
Date: 9.OCT.2021 20:09:22

### 2437MHz, 802.11ax (HEW40) RU484,ANT 0



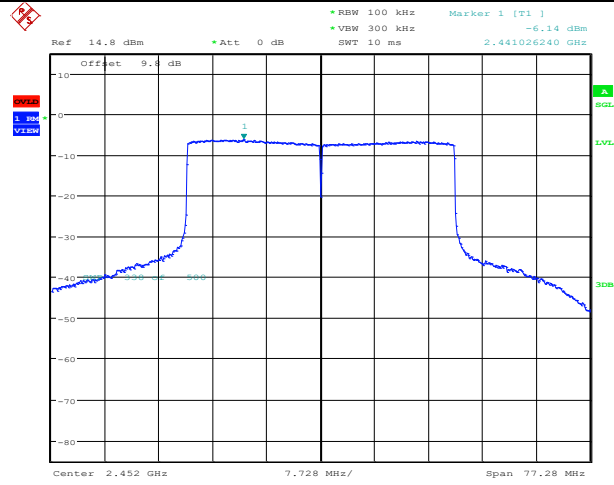
Date: 9.OCT.2021 20:06:47

### 2437MHz, 802.11ax (HEW40) RU484,ANT 1



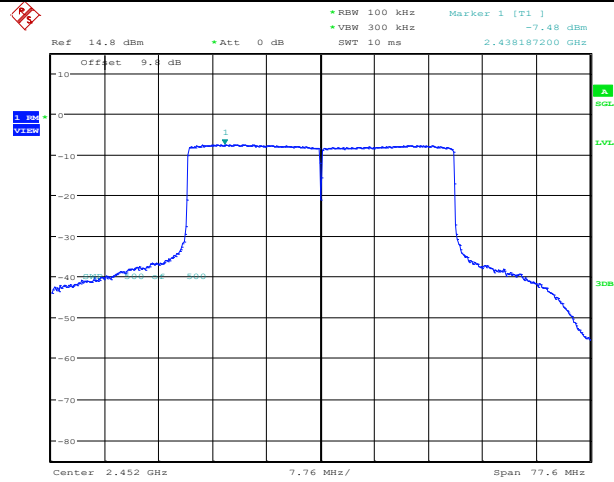
Date: 9.OCT.2021 20:09:59

### 2452MHz, 802.11ax (HEW40) RU484,ANT 0



Date: 9.OCT.2021 20:07:14

### 2452MHz, 802.11ax (HEW40) RU484,ANT 1



Date: 9.OCT.2021 20:10:25

## 9. CONDUCTED BANDEDGE AND SPURIOUS MEASUREMENT

### 9.1. LIMITS OF Conducted Bandedge and Spurious Measurement

CFR 47 (FCC) part 15.247 (d)

### 9.2. TEST PROCEDURE

ANSI C63.10-2013 Clause 11.11

The transmitter output was connected to the spectrum analyzer.

Establish a reference level by using the following procedure:

- a) Set instrument center frequency to DTS channel center frequency.
- b) Set the span to  $\geq 1.5$  times the DTS bandwidth.
- c) Set the RBW = 100 kHz.
- d) Set the VBW  $\geq 3 \times$  RBW.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum PSD level.

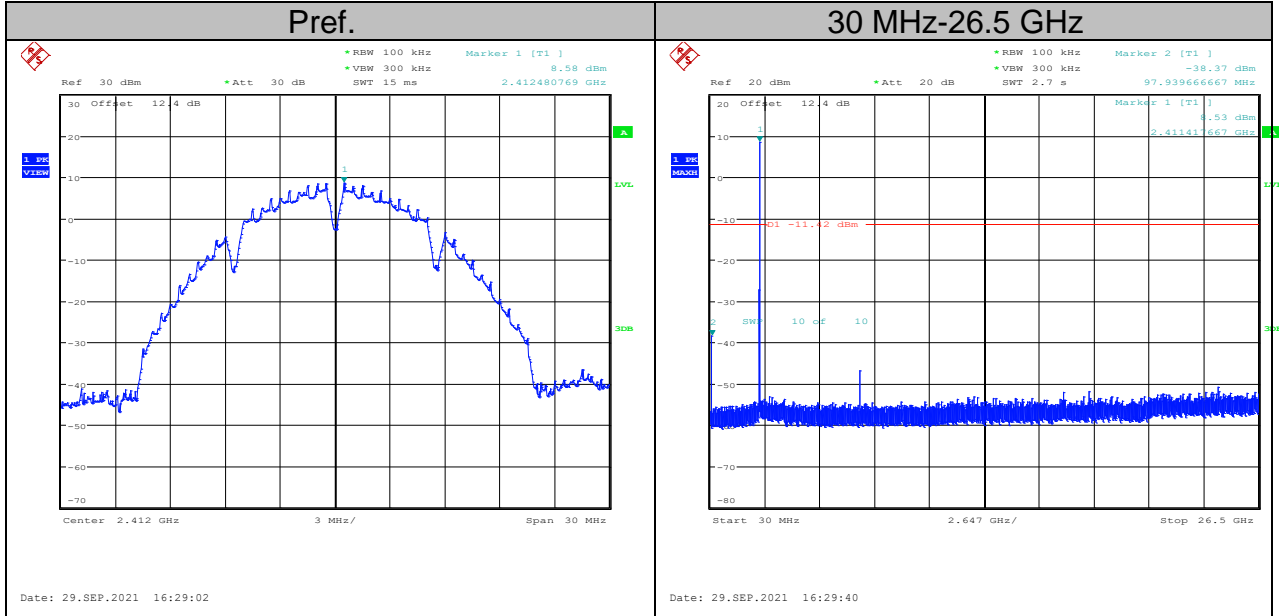
Emission level measurement

- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz.
- c) Set the VBW  $\geq 3 \times$  RBW.
- d) Detector = peak.
- e) Sweep time = auto couple.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use the peak marker function to determine the maximum amplitude level.

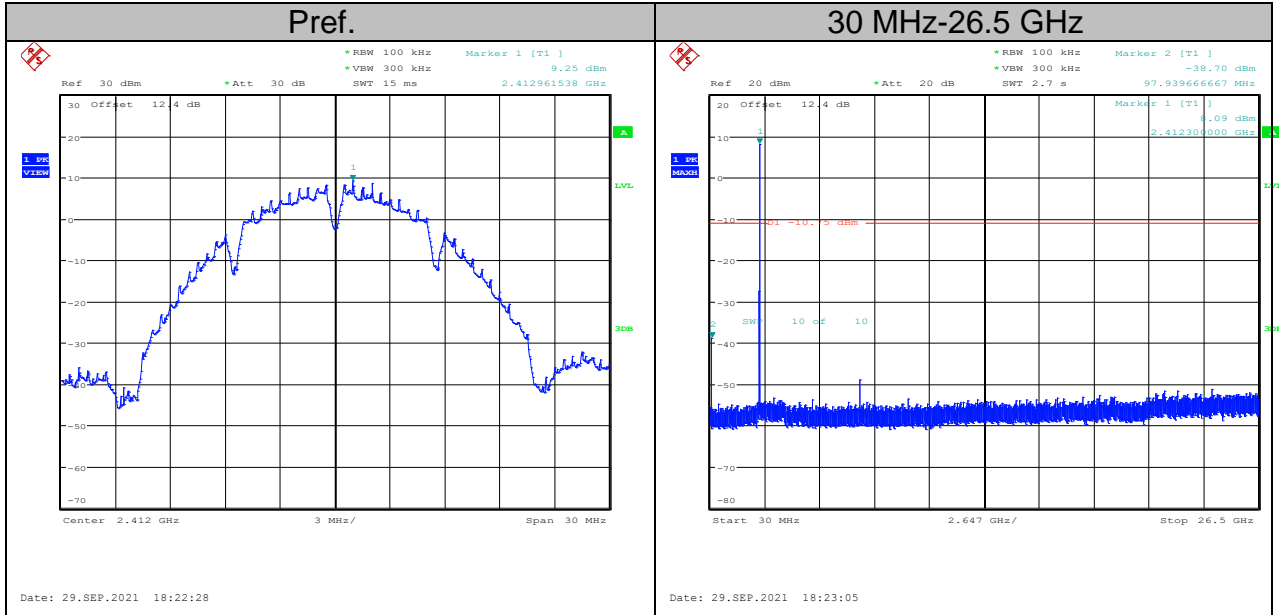
**Test Result : All emission outside of 2400-2483.5 are lower at least 20dB than fundamental frequency.**

### 9.3. TEST DATA

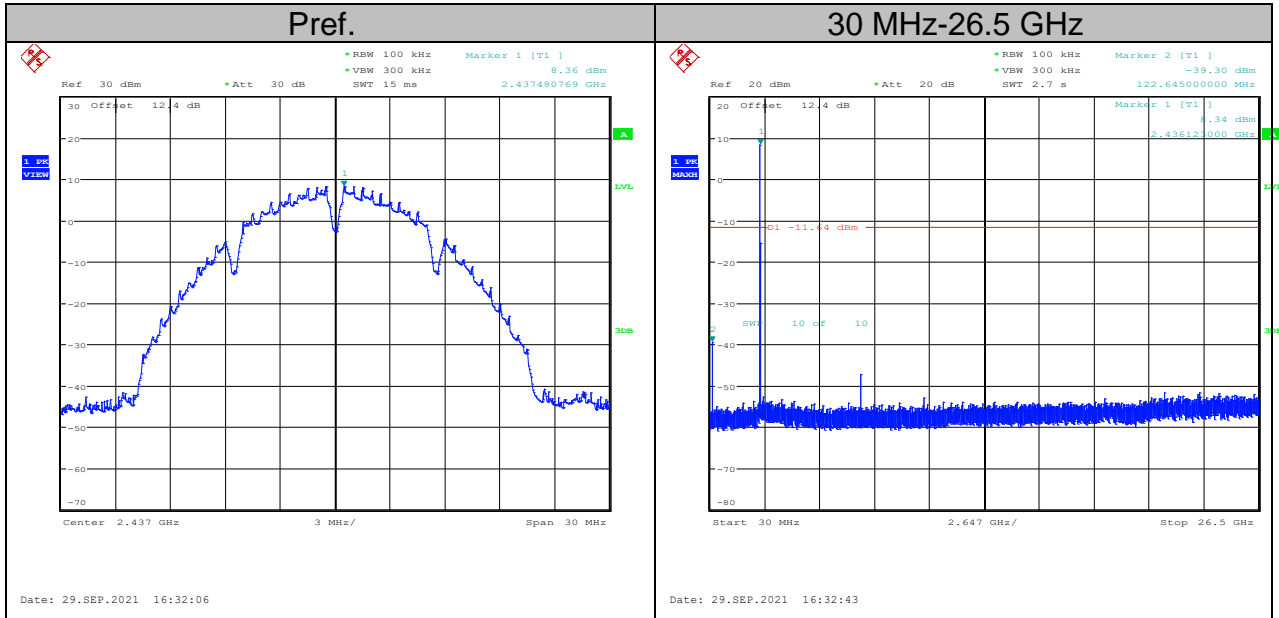
802.11b  
Low Channel  
ANT 0



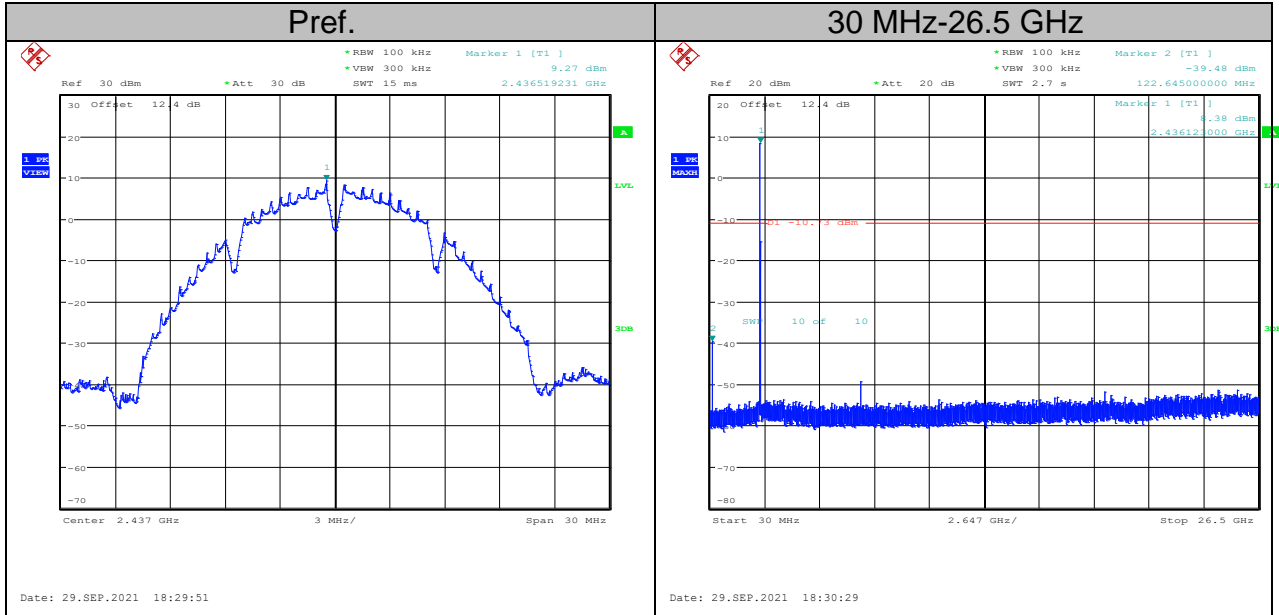
ANT 1



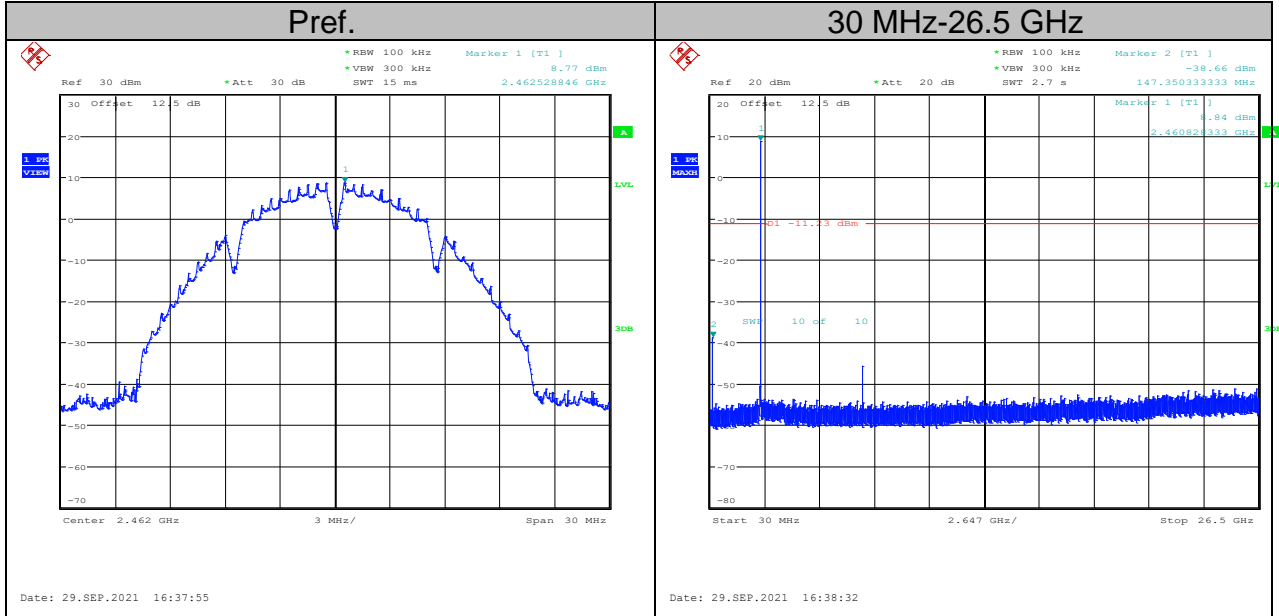
802.11b  
Mid Channel  
ANT 0



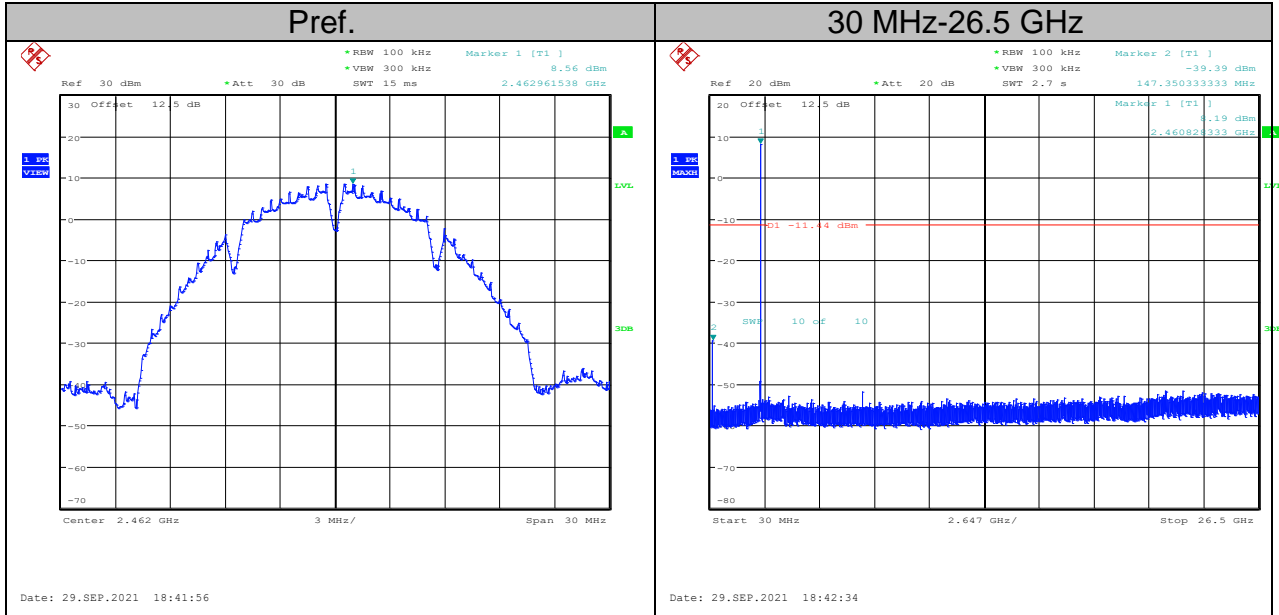
ANT 1



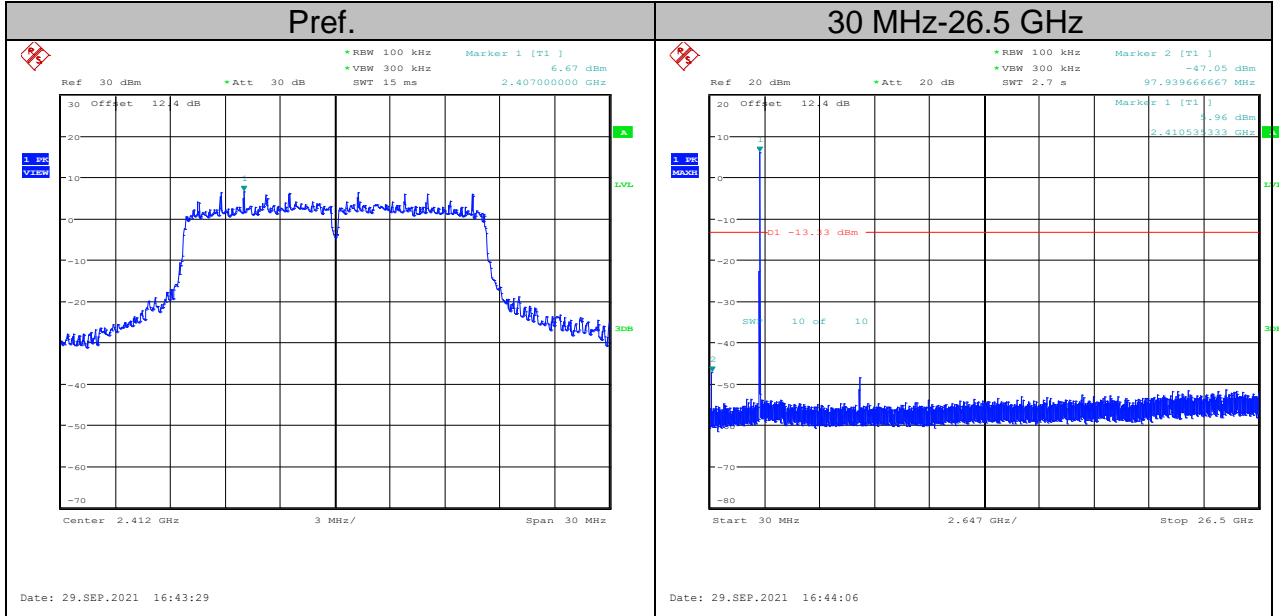
802.11b  
High Channel  
ANT 0



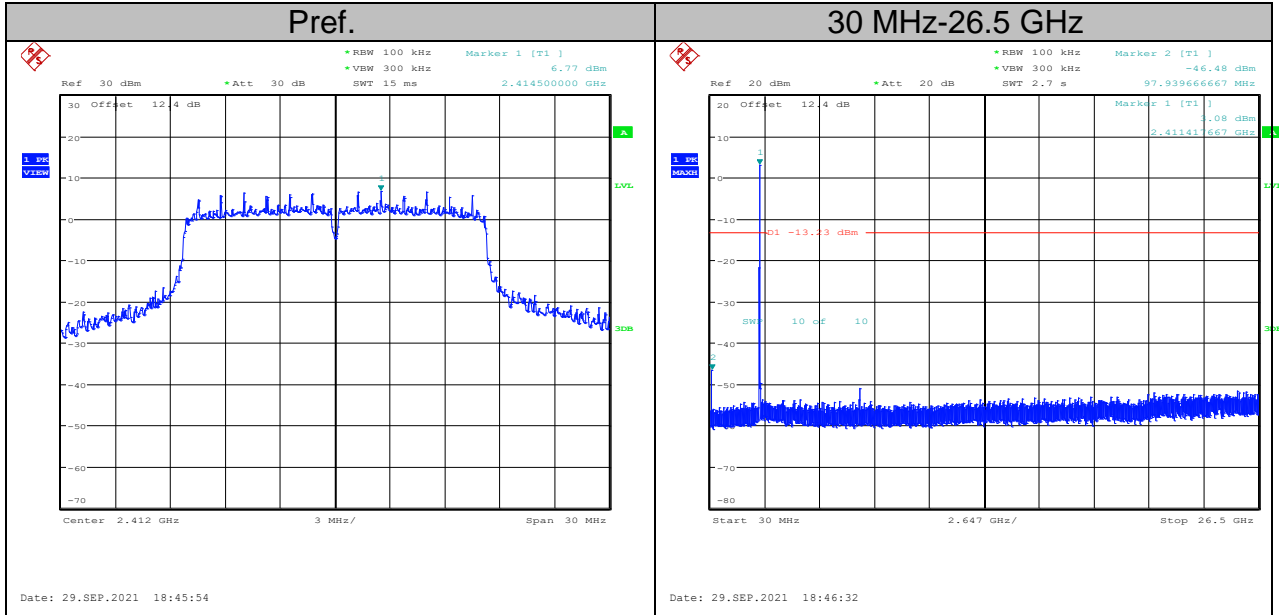
ANT 1



802.11g  
Low Channel  
ANT 0

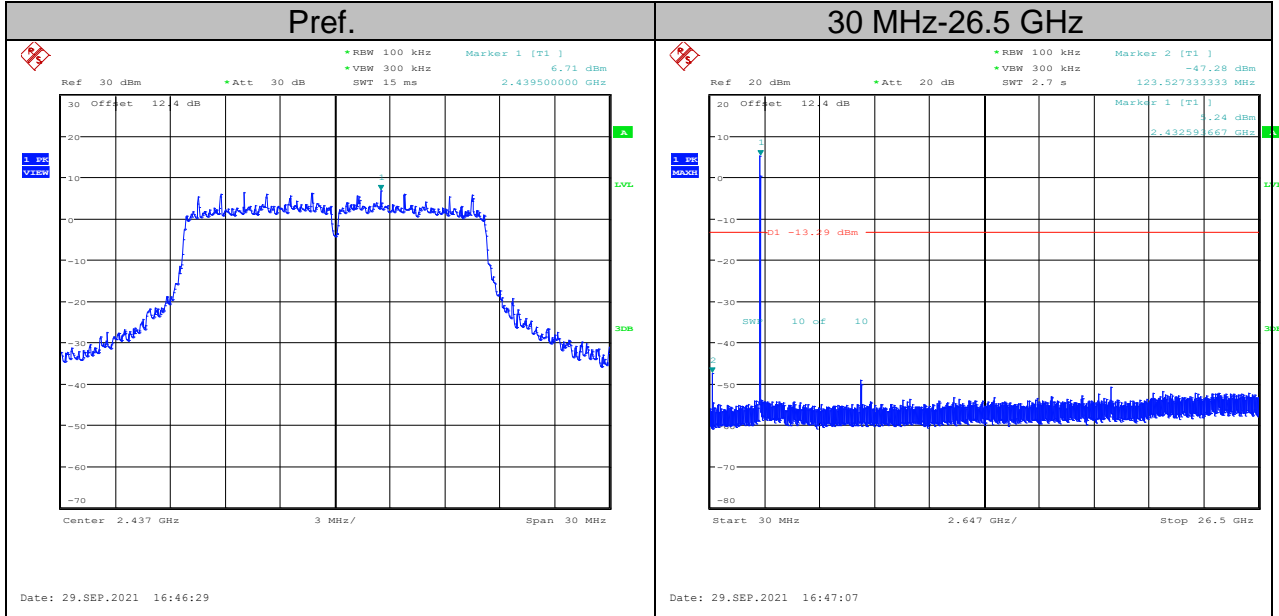


ANT 1

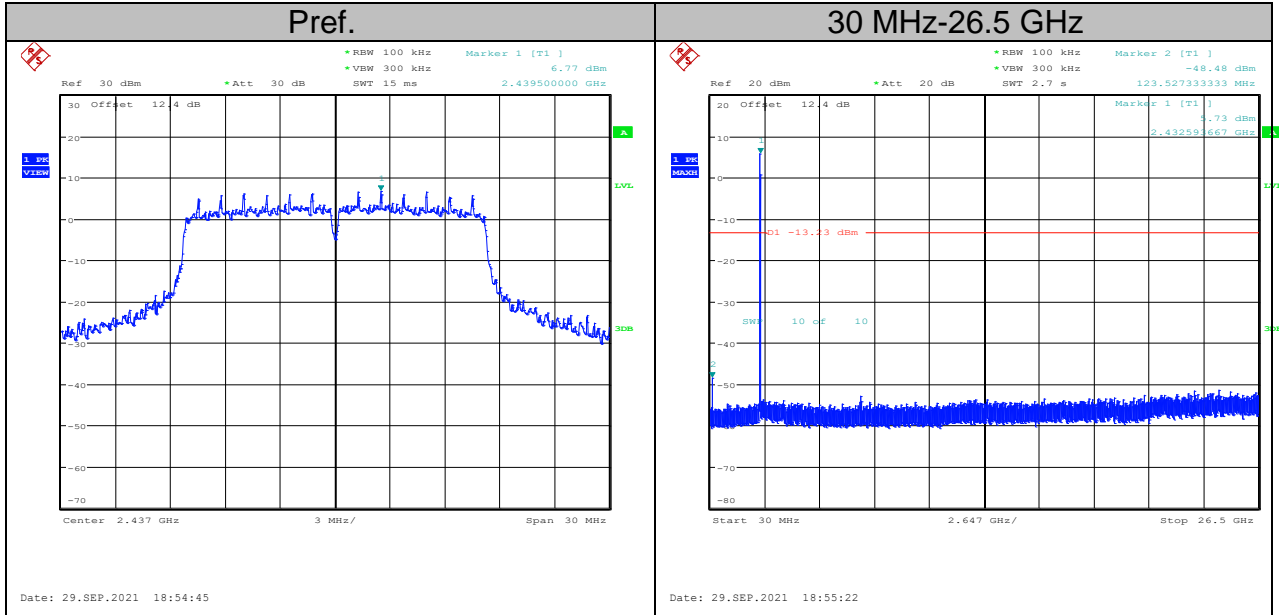




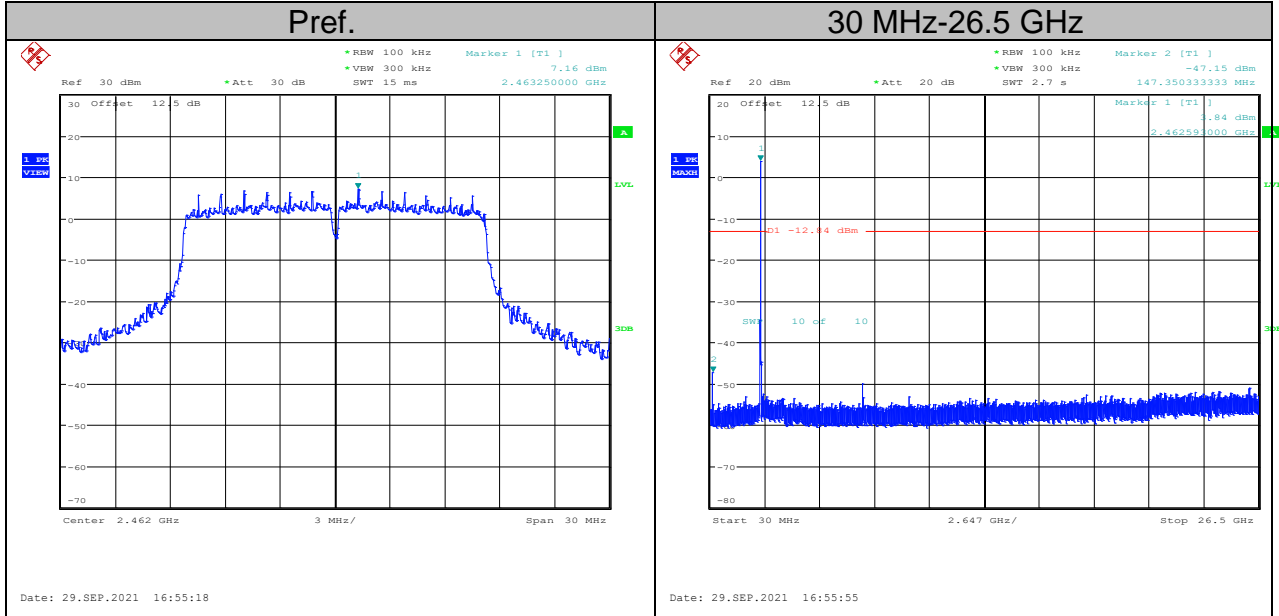
802.11g  
Mid Channel  
ANT 0



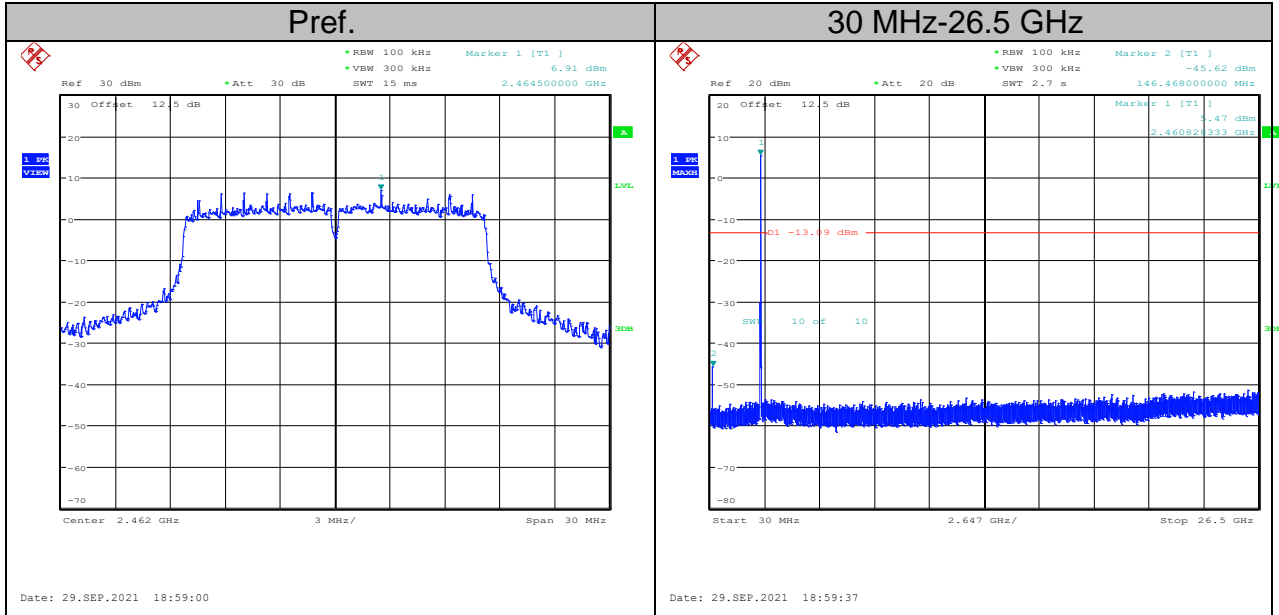
ANT 1



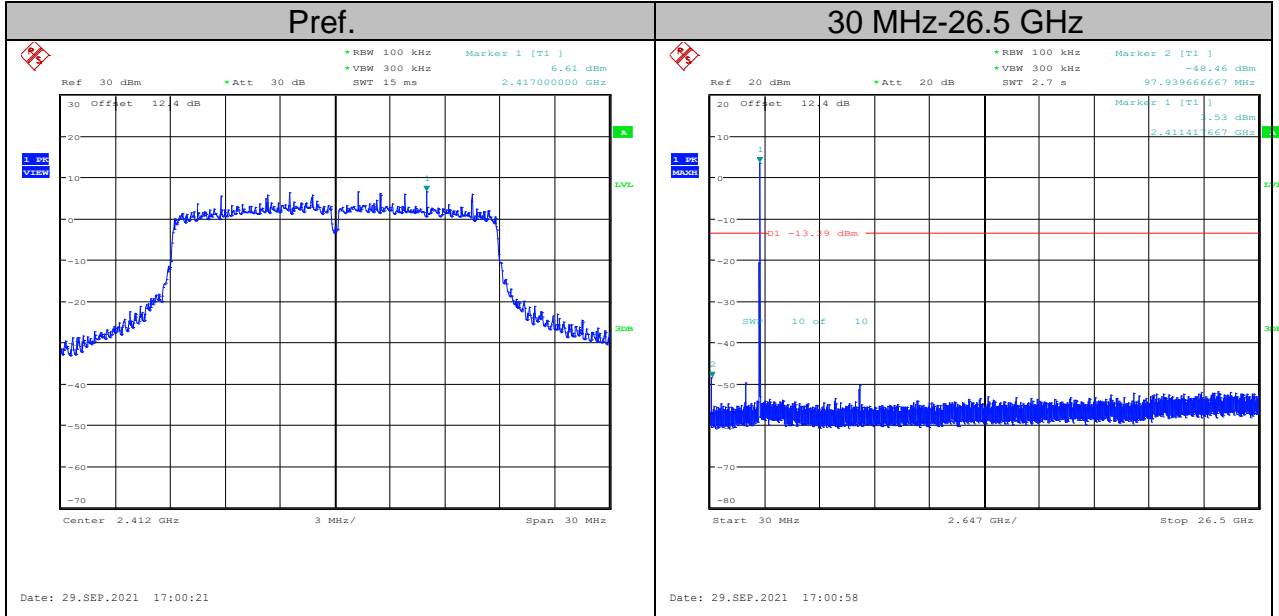
802.11g  
High Channel  
ANT 0



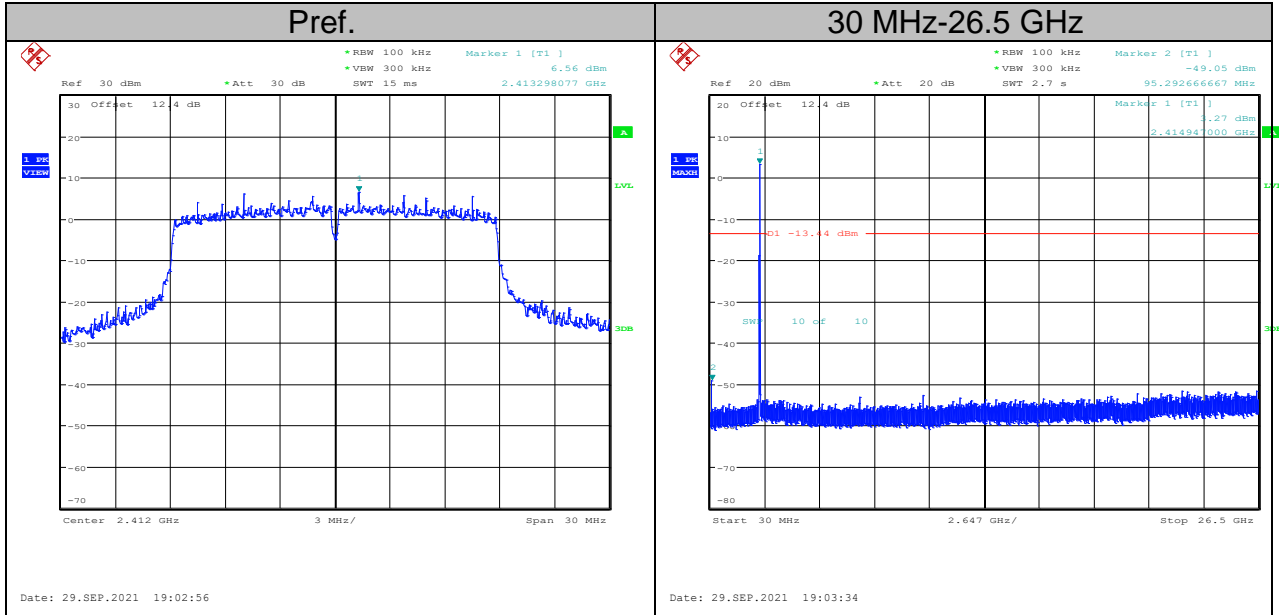
ANT 1



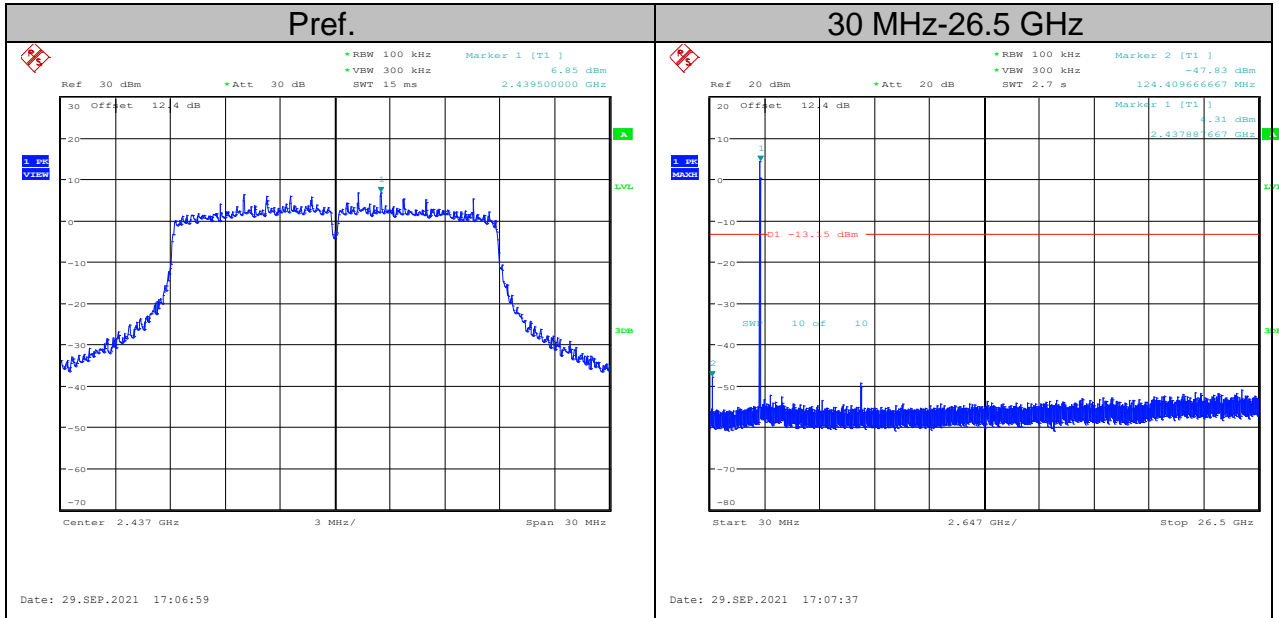
802.11n-HT20  
 Low Channel  
 ANT 0



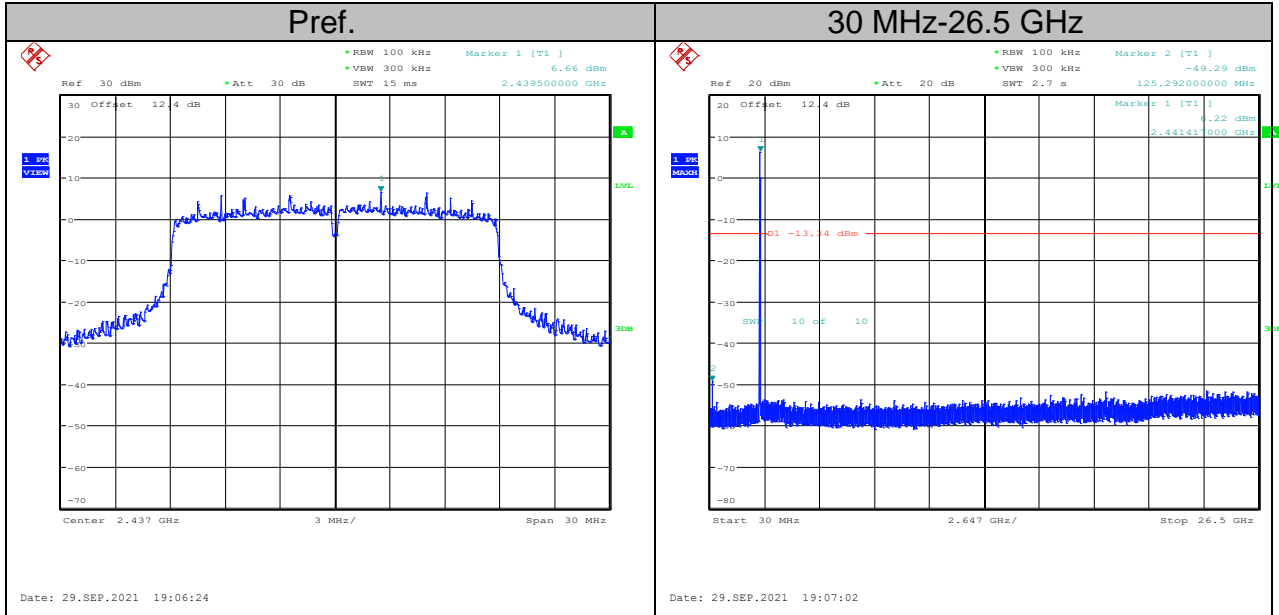
ANT 1



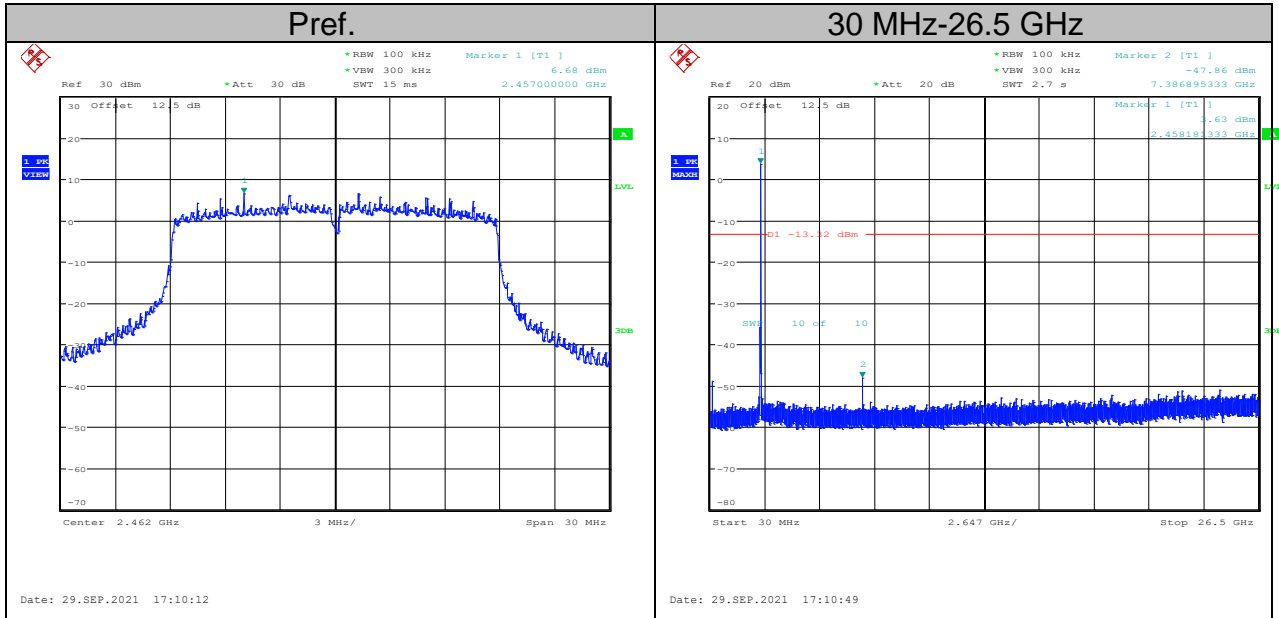
802.11n-HT20  
Mid Channel  
ANT 0



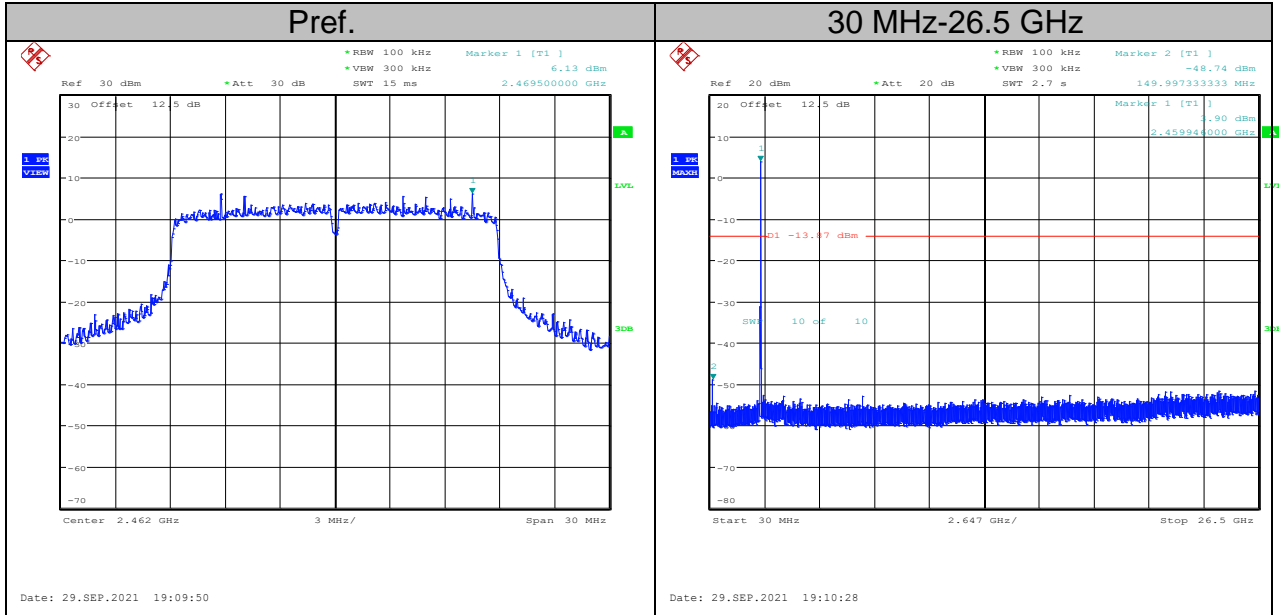
ANT 1



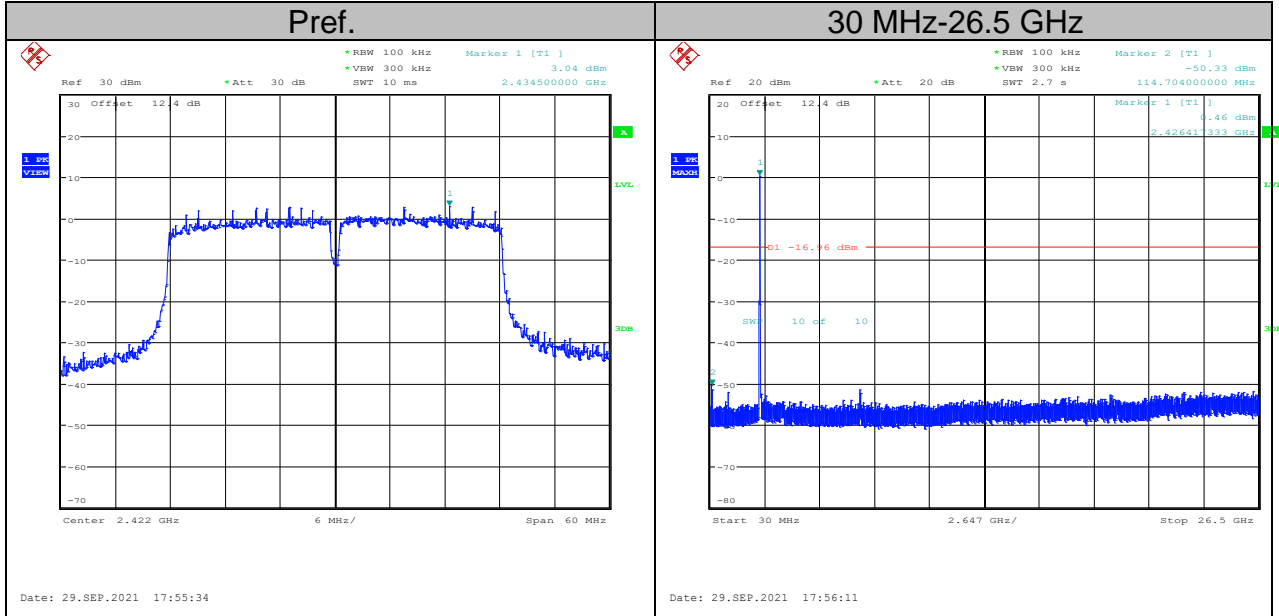
802.11n-HT20  
High Channel  
ANT 0



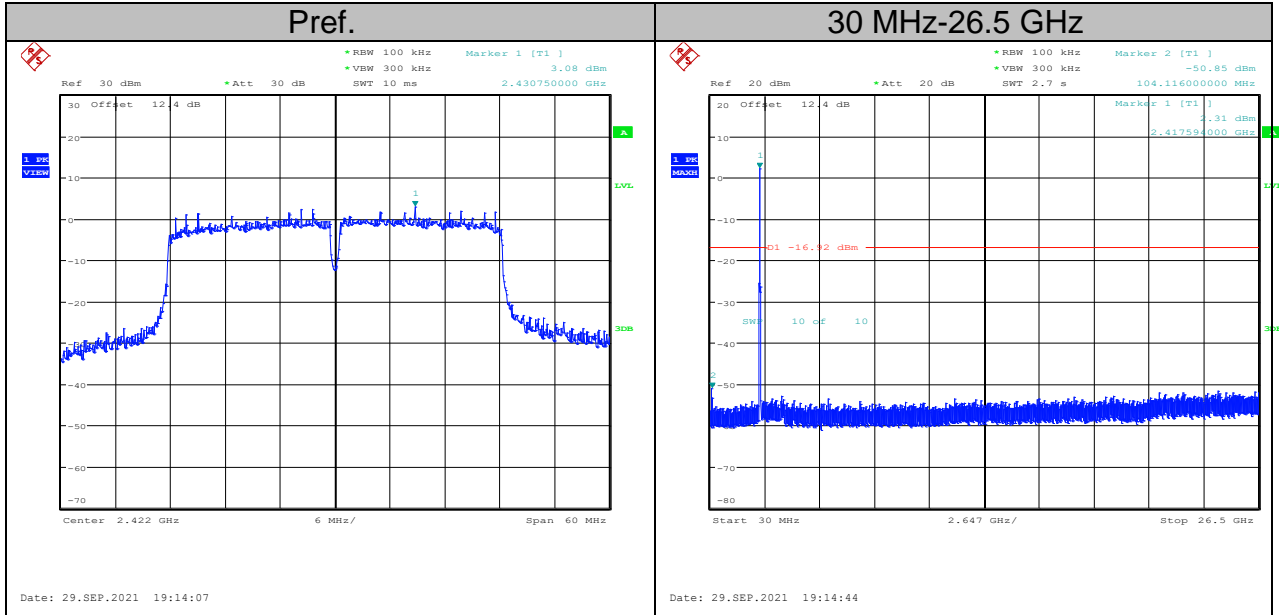
ANT 1



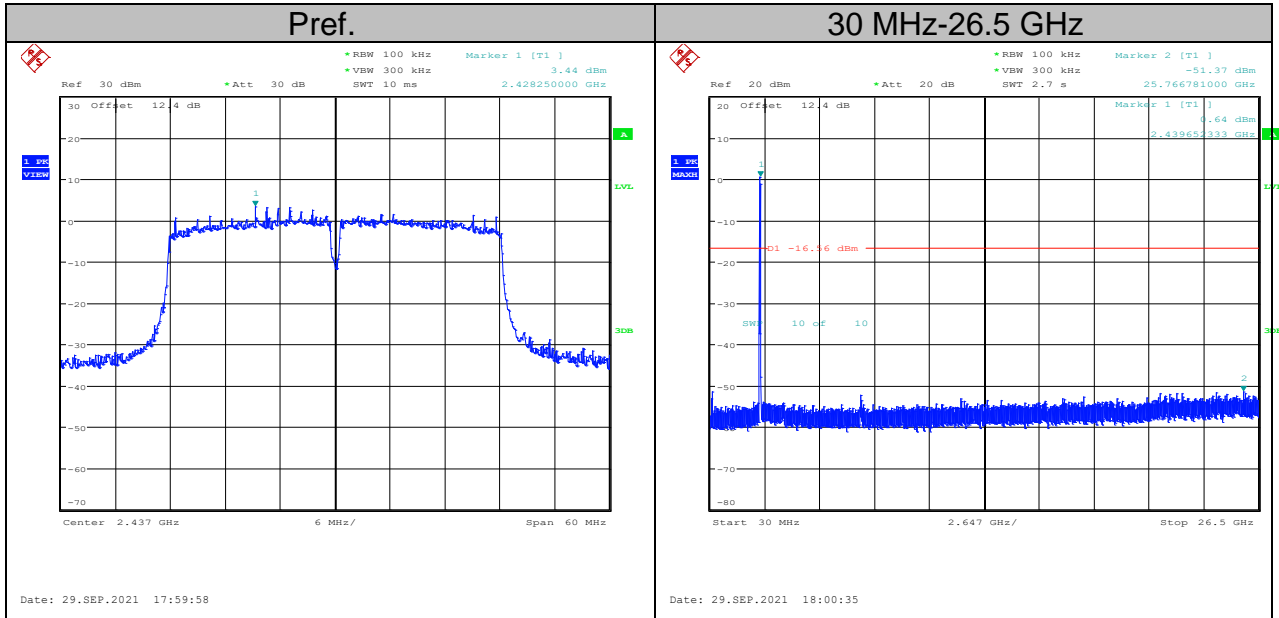
802.11n-HT40  
 Low Channel  
 ANT 0



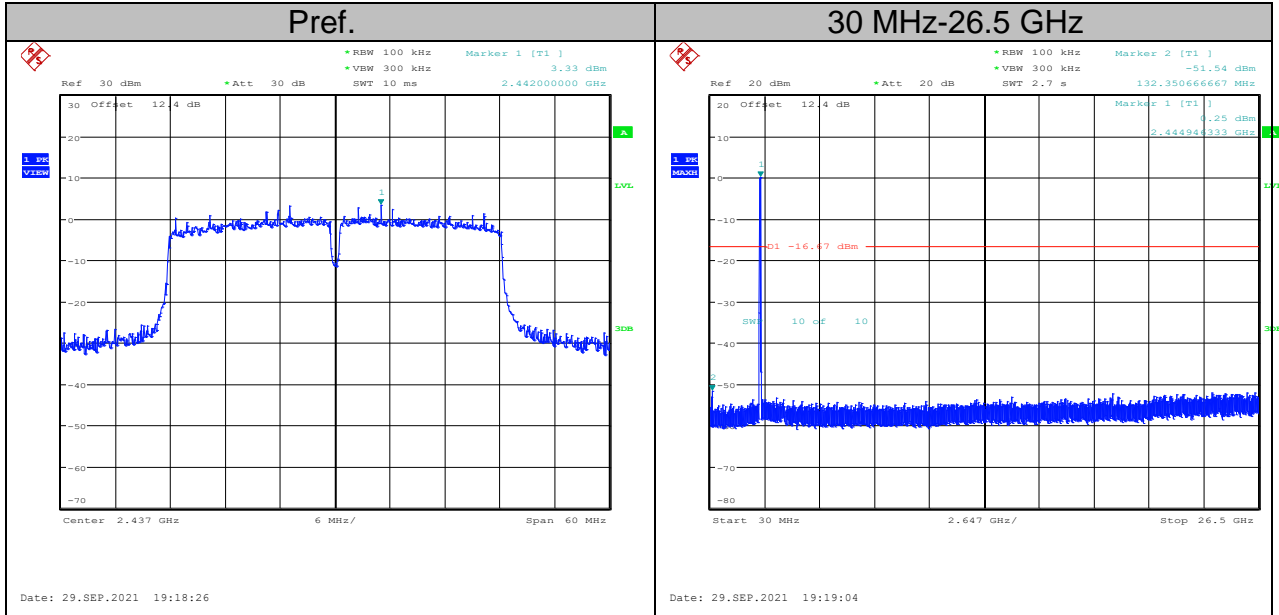
ANT 1



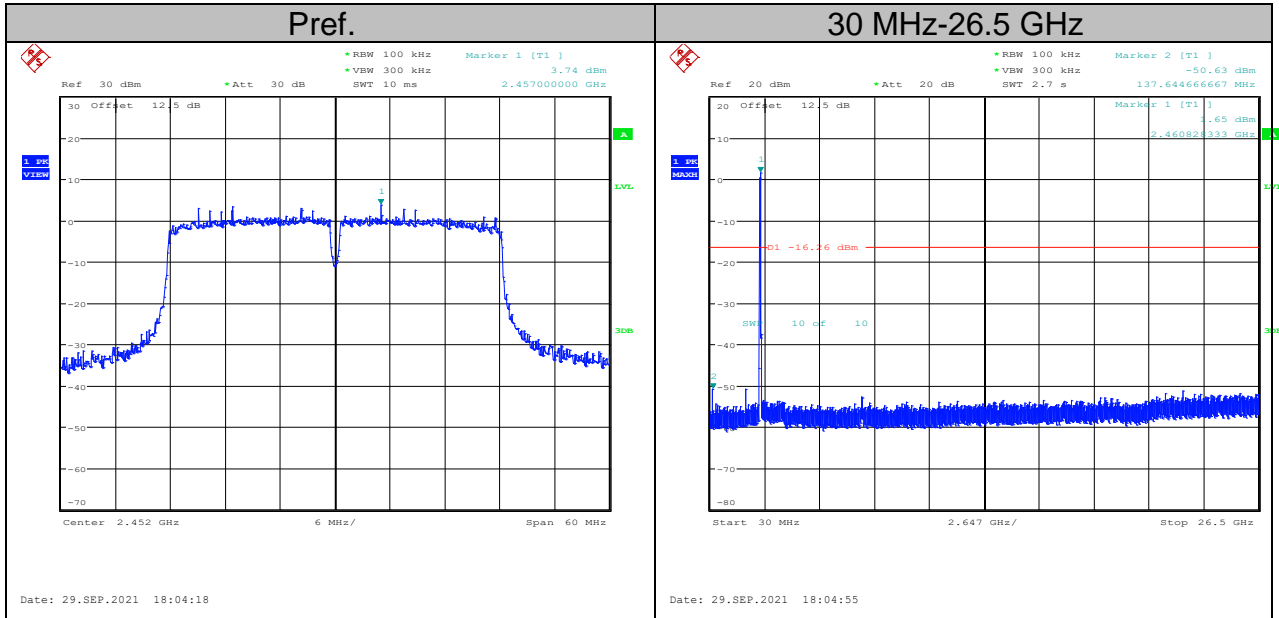
802.11n-HT40  
Mid Channel  
ANT 0



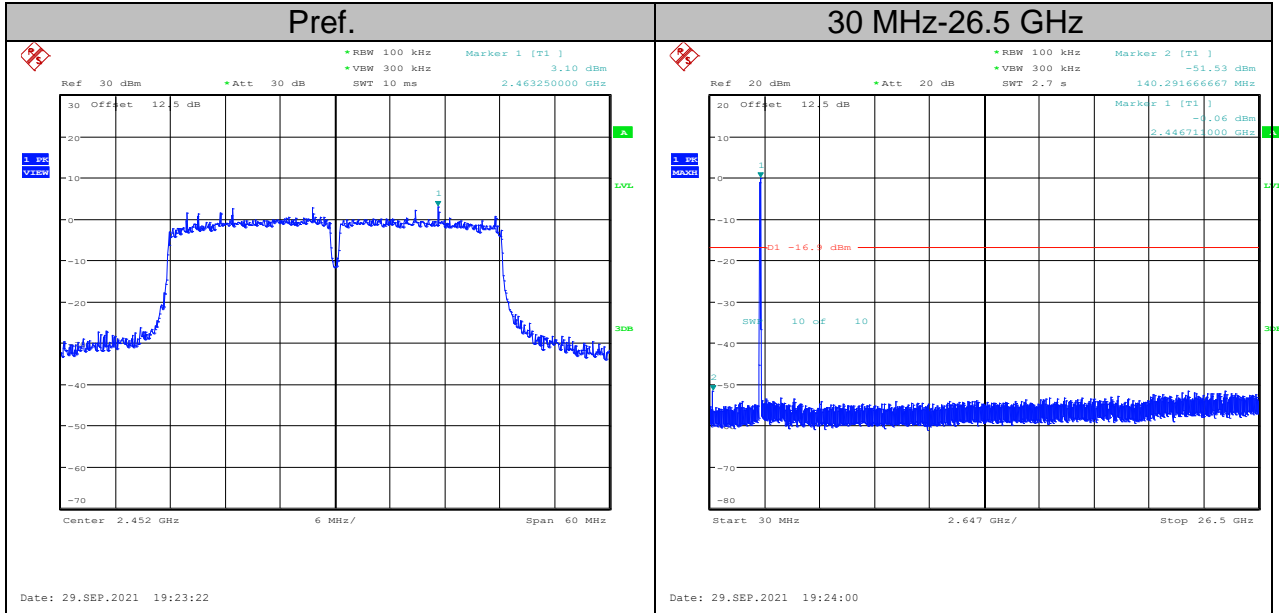
ANT 1



802.11n-HT40  
High Channel  
ANT 0

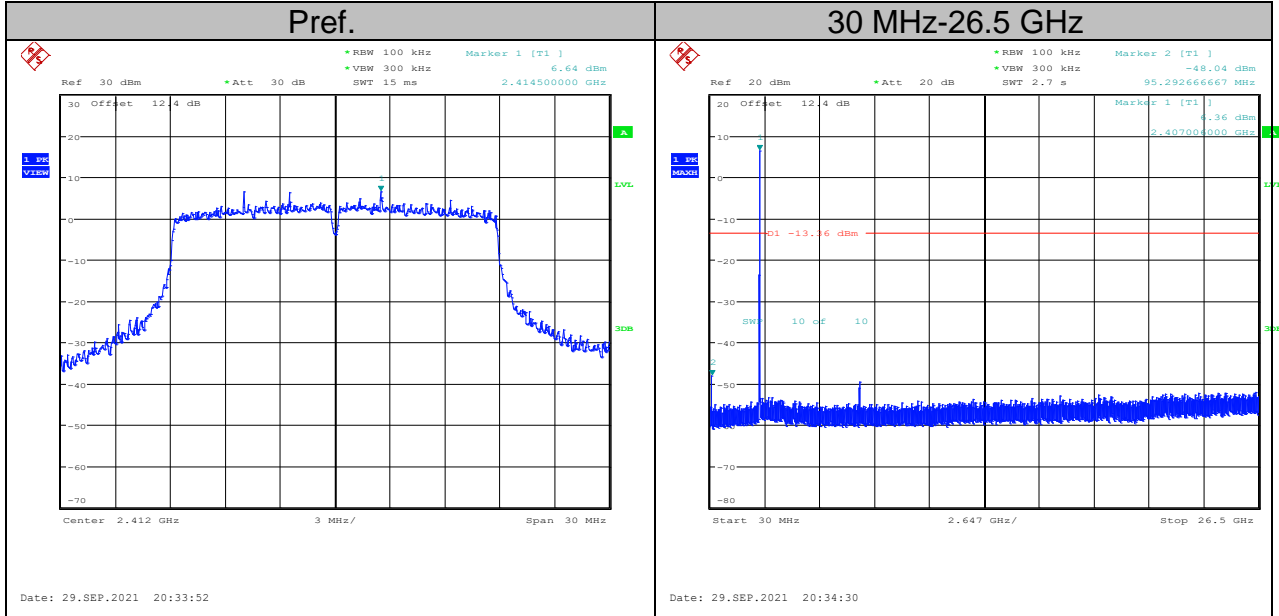


ANT 1

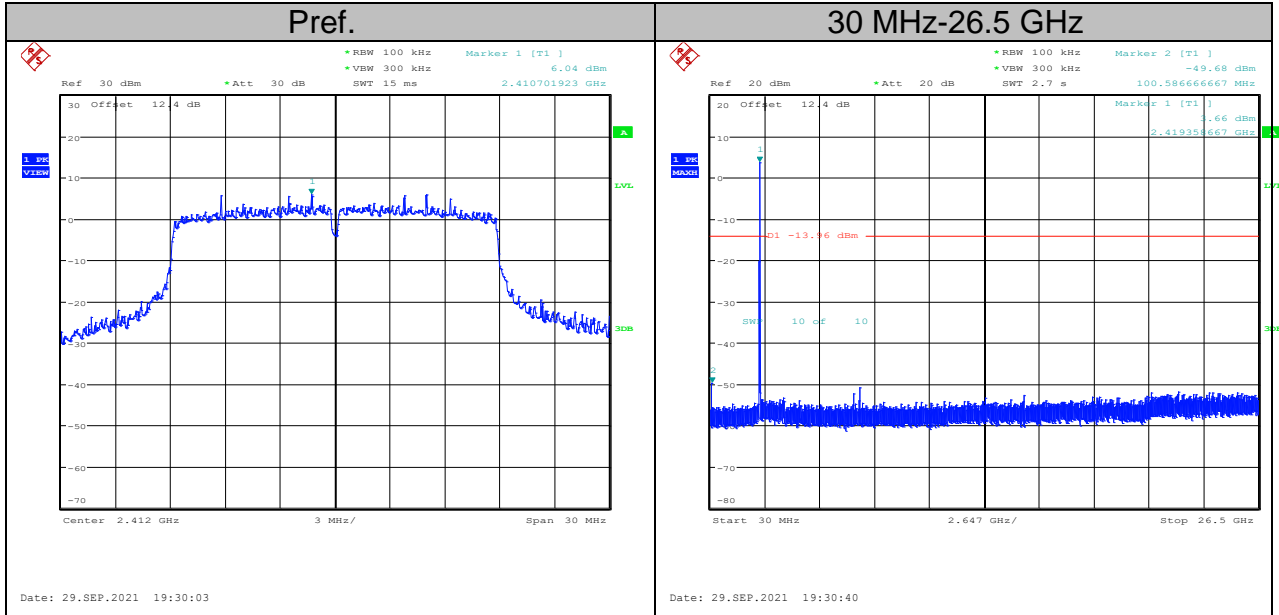




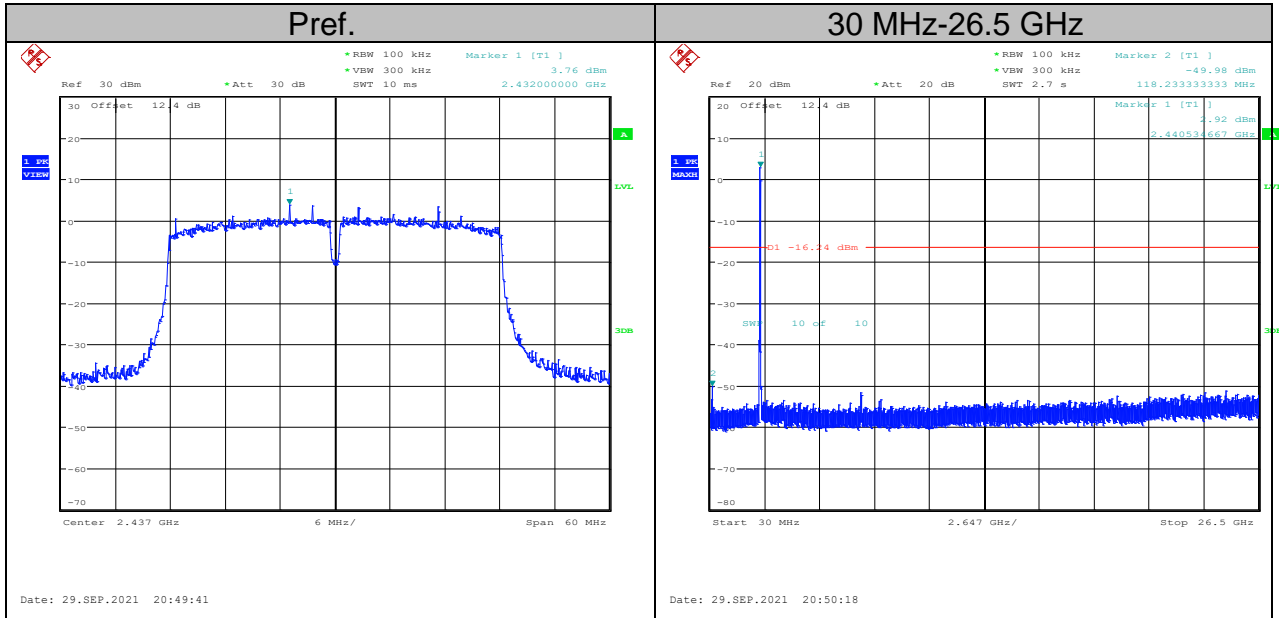
802.11ac-VHT20  
 Low Channel  
 ANT 0



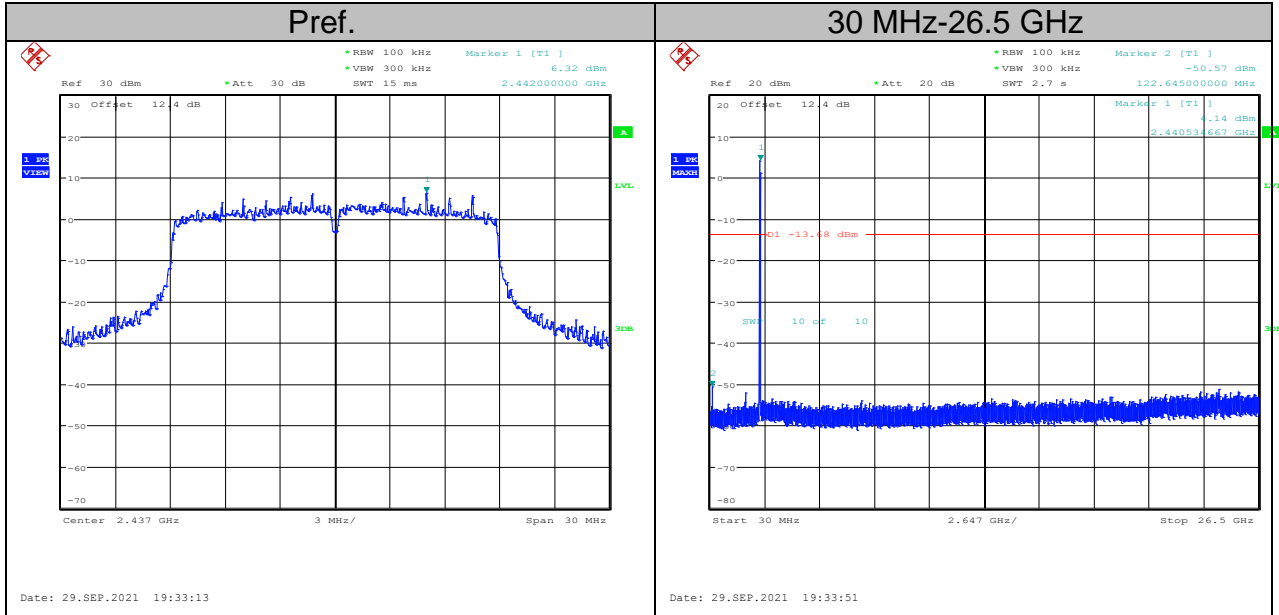
ANT 1



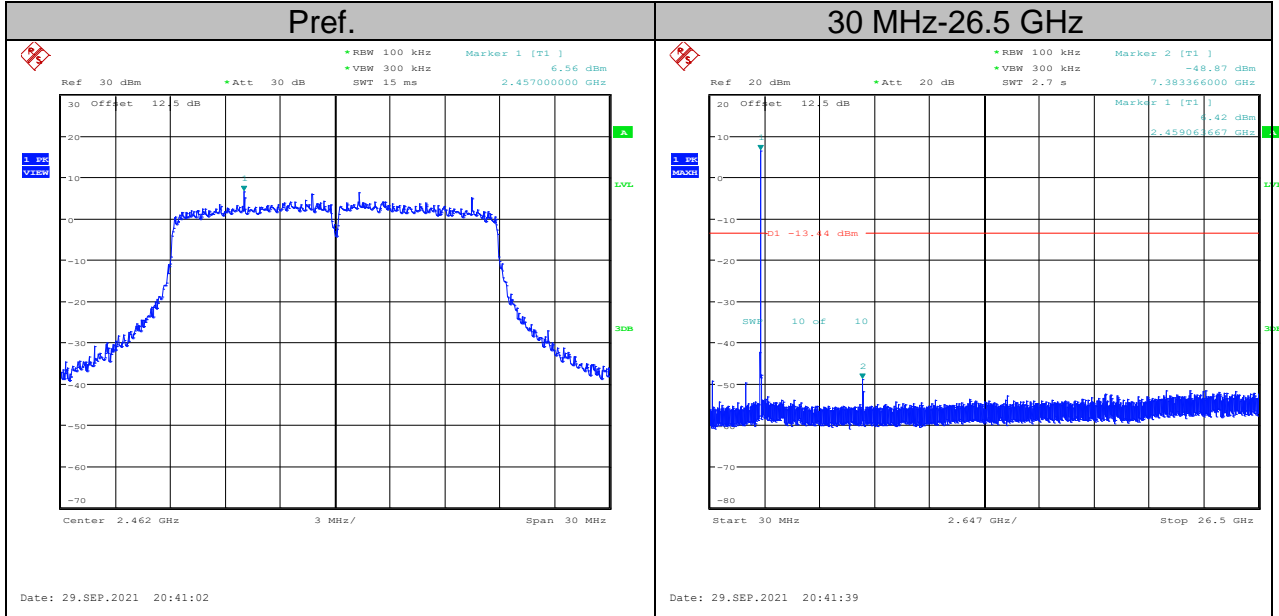
802.11ac-VHT20  
Mid Channel  
ANT 0



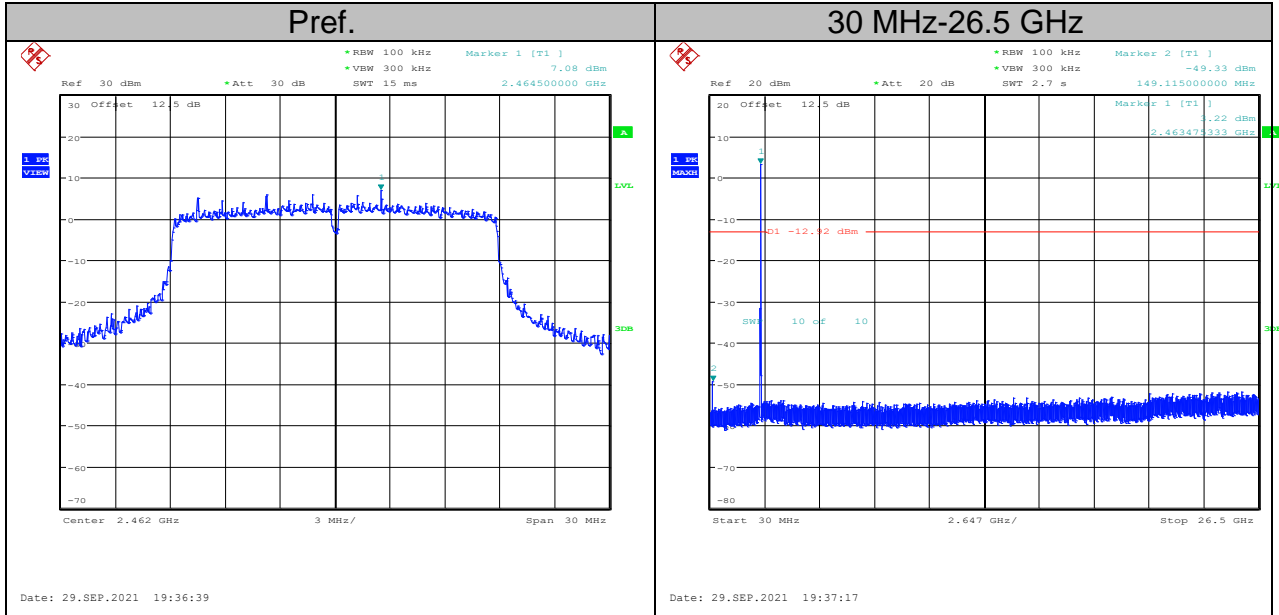
ANT 1



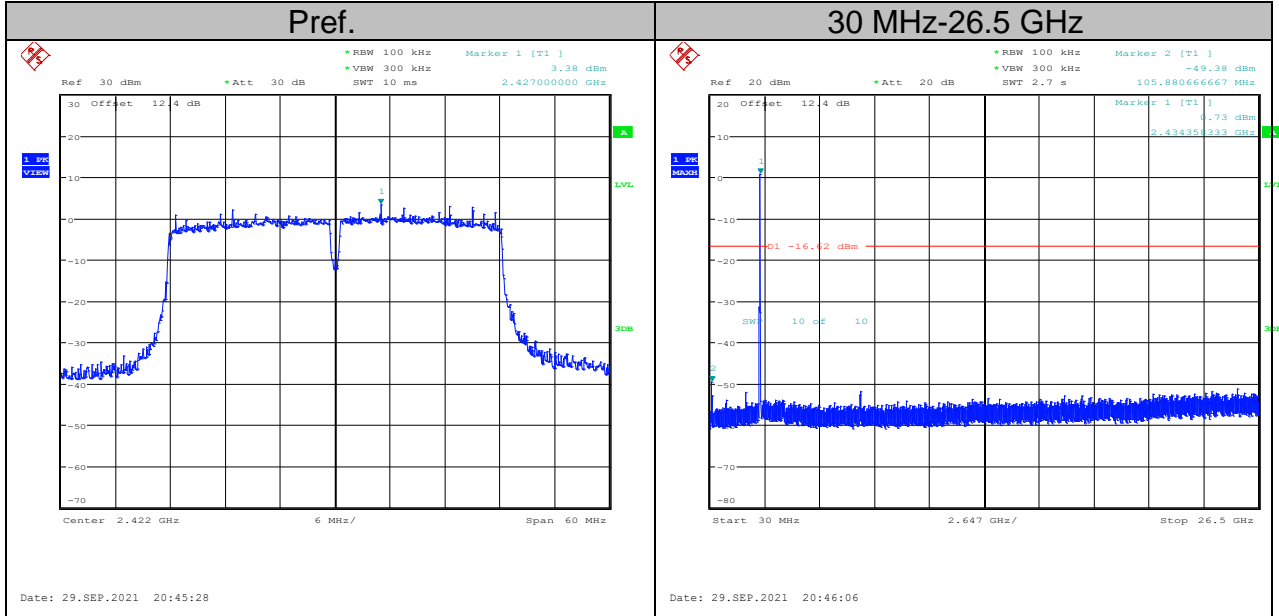
802.11ac-VHT20  
High Channel  
ANT 0



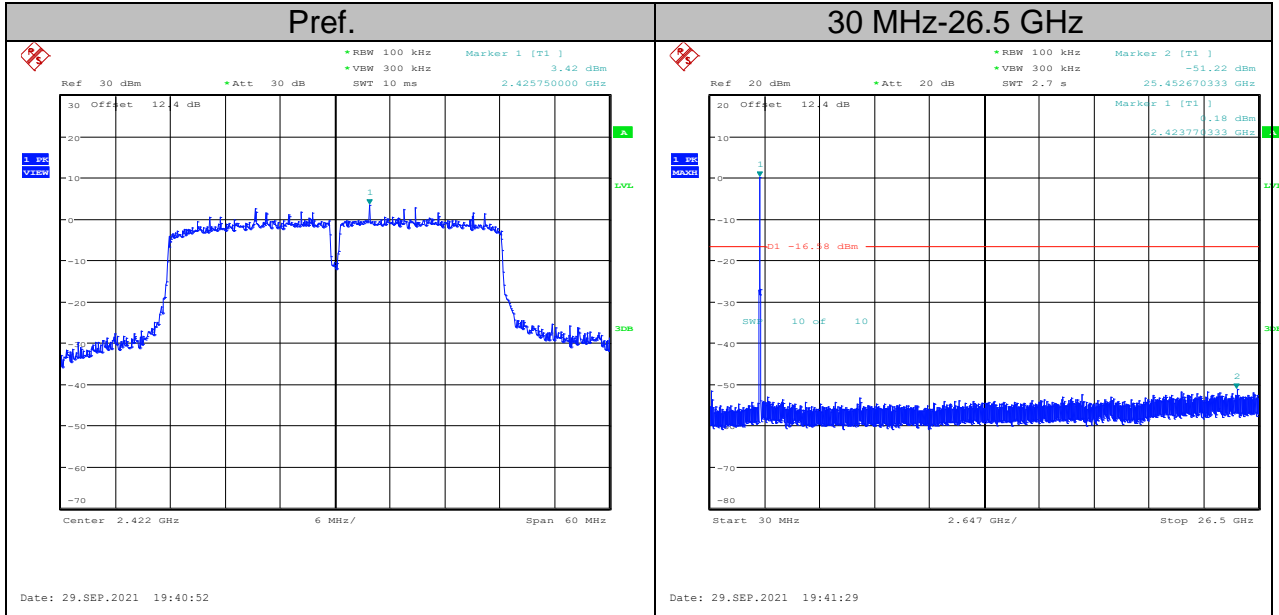
ANT 1



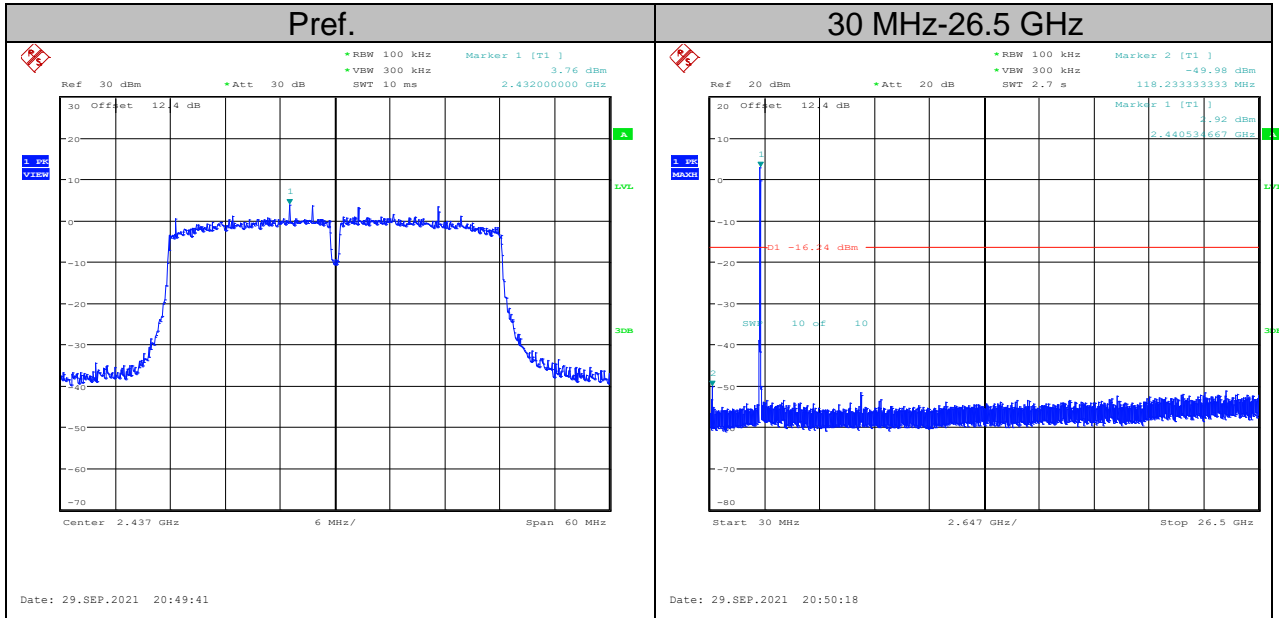
802.11ac-VHT40  
 Low Channel  
 ANT 0



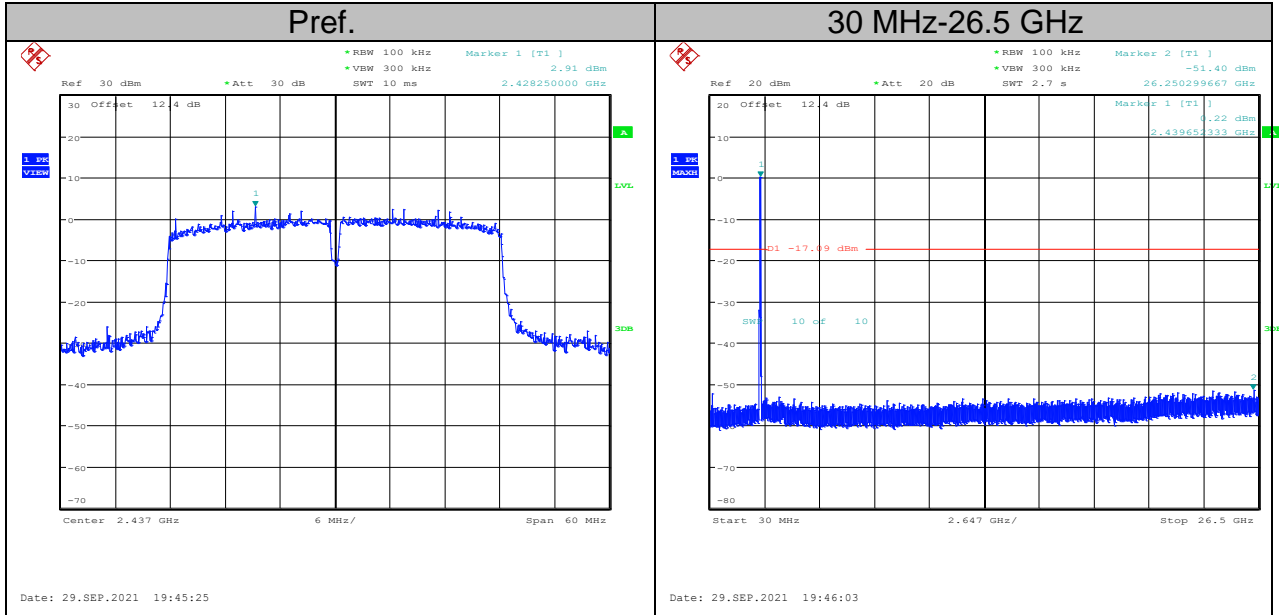
ANT 1



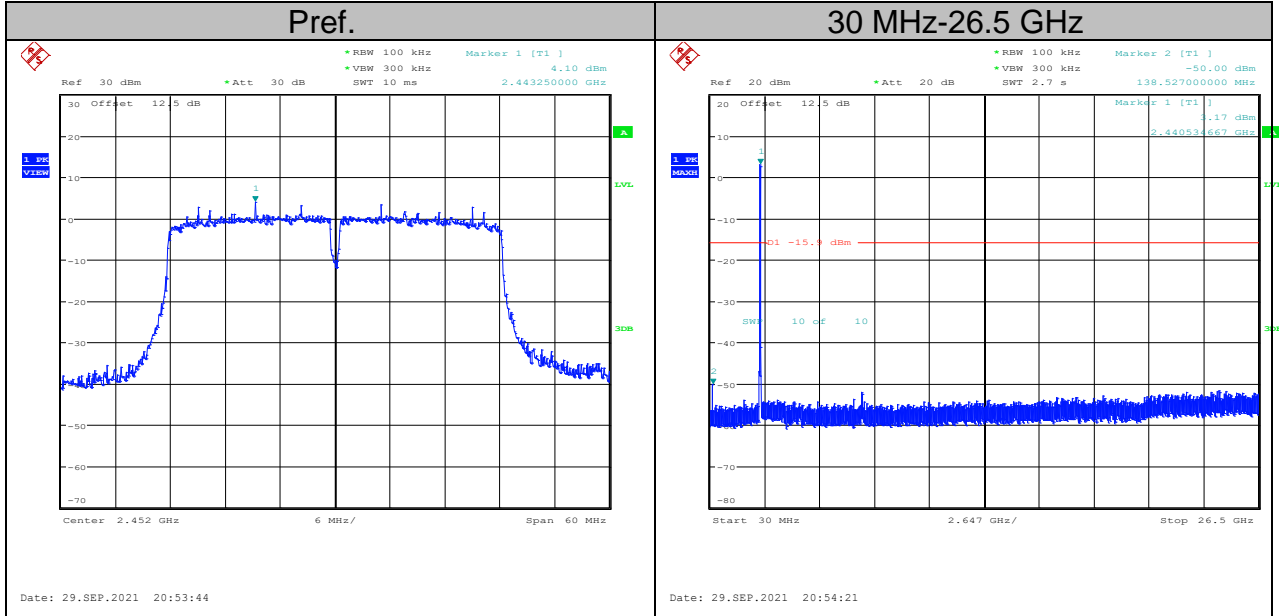
802.11ac-VHT40  
Mid Channel  
ANT 0



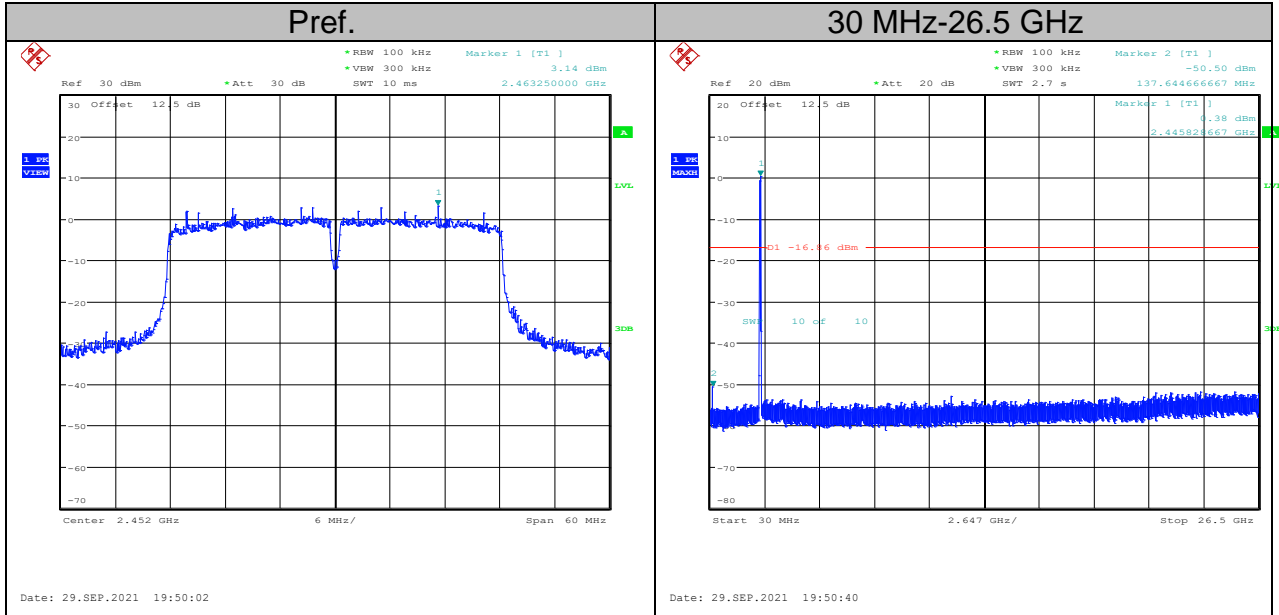
ANT 1



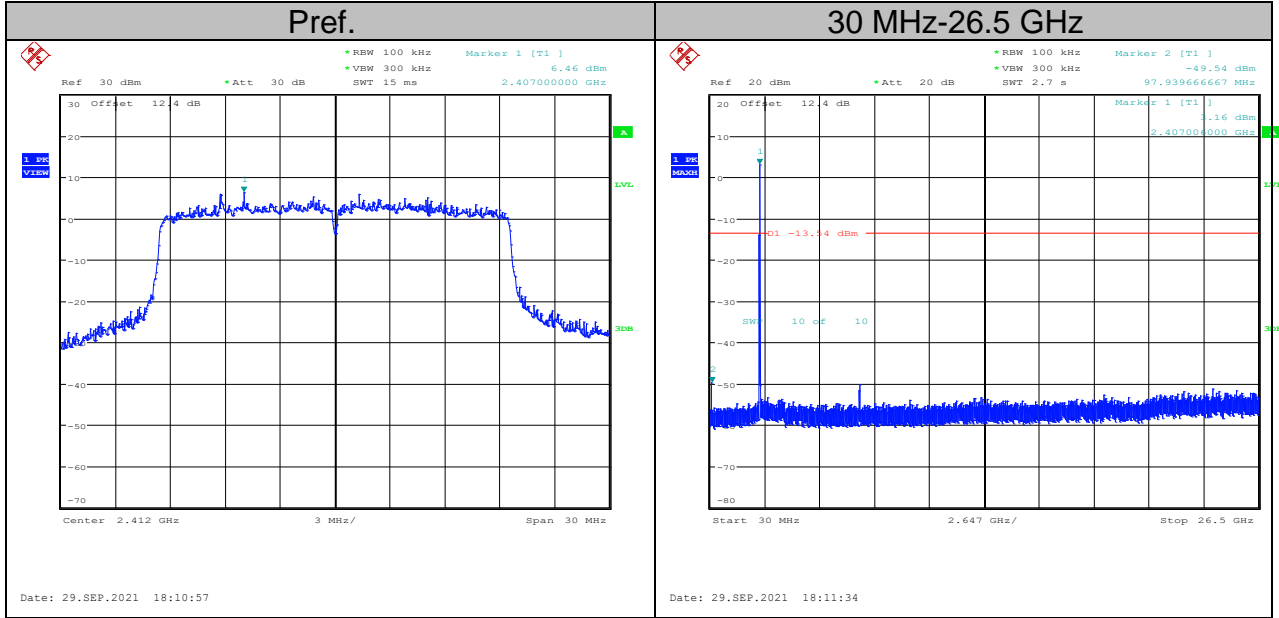
802.11ac-VHT40  
High Channel  
ANT 0



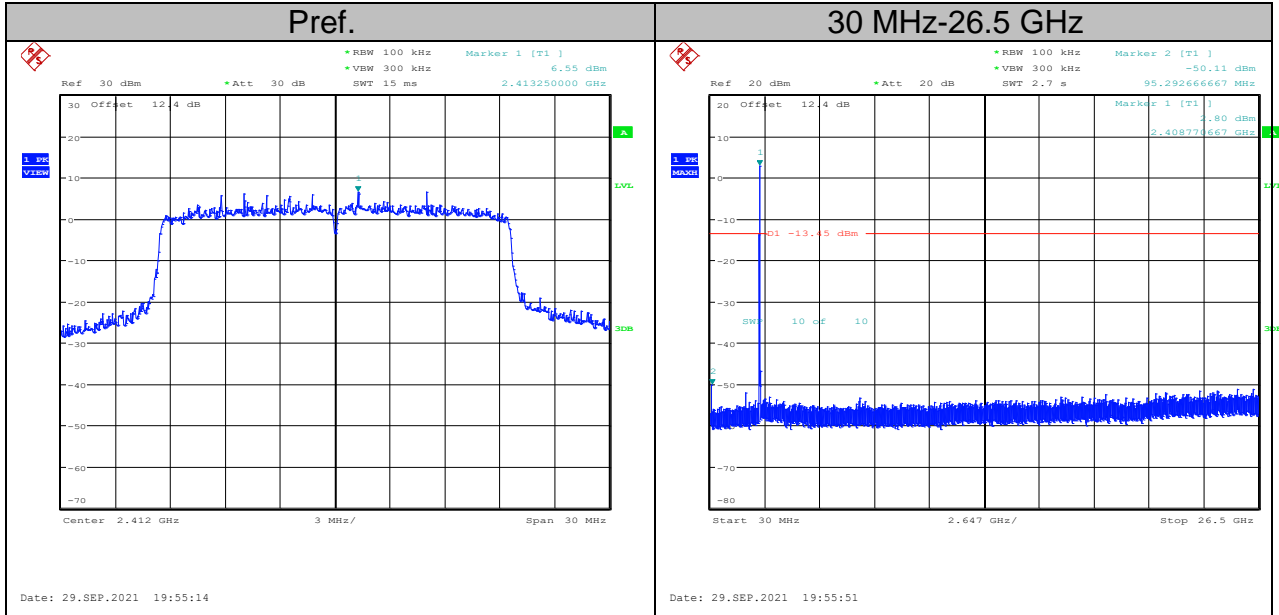
ANT 1



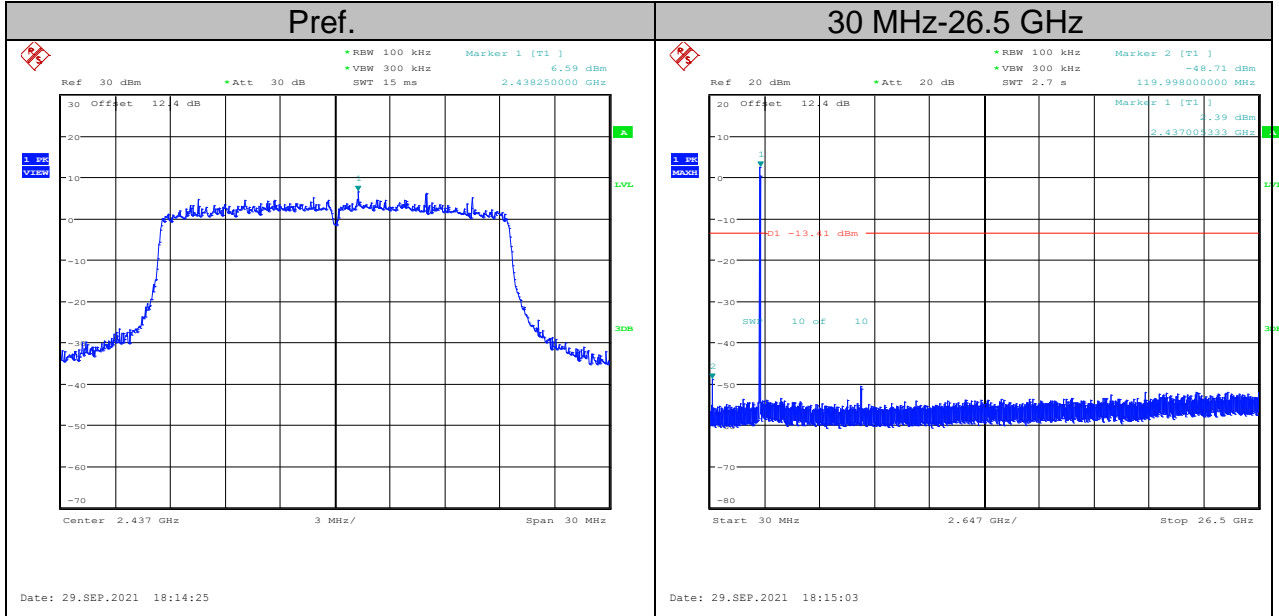
802.11ax-HEW20  
 Low Channel  
 ANT 0



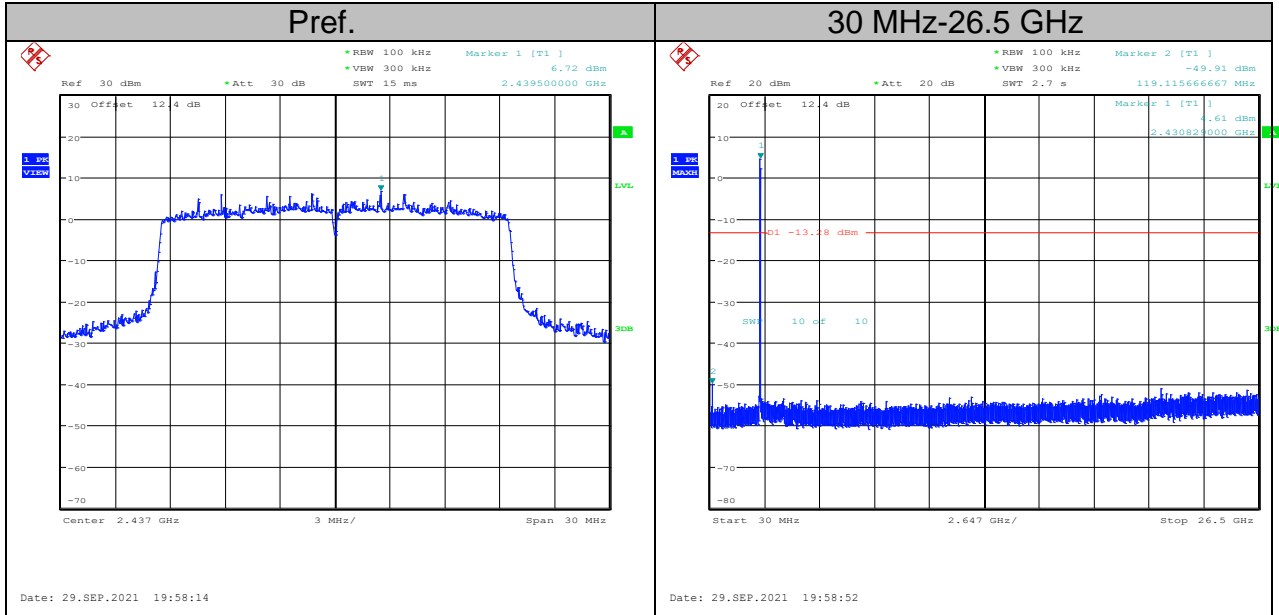
ANT 1



802.11ax-HEW20  
Mid Channel  
ANT 0

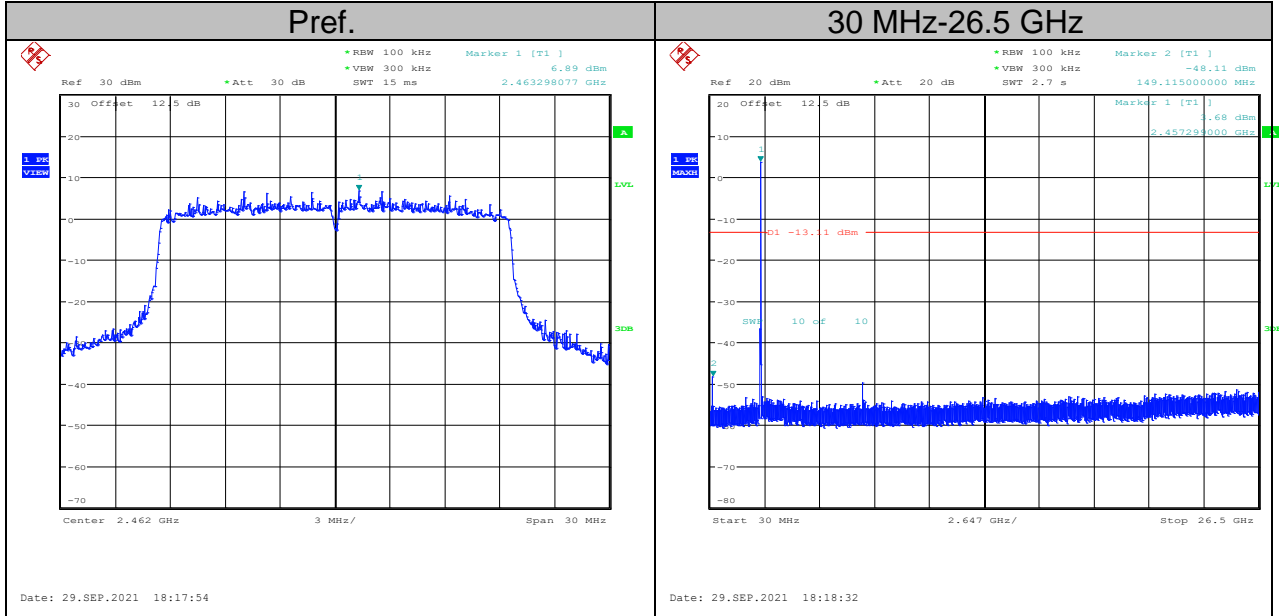


ANT 1

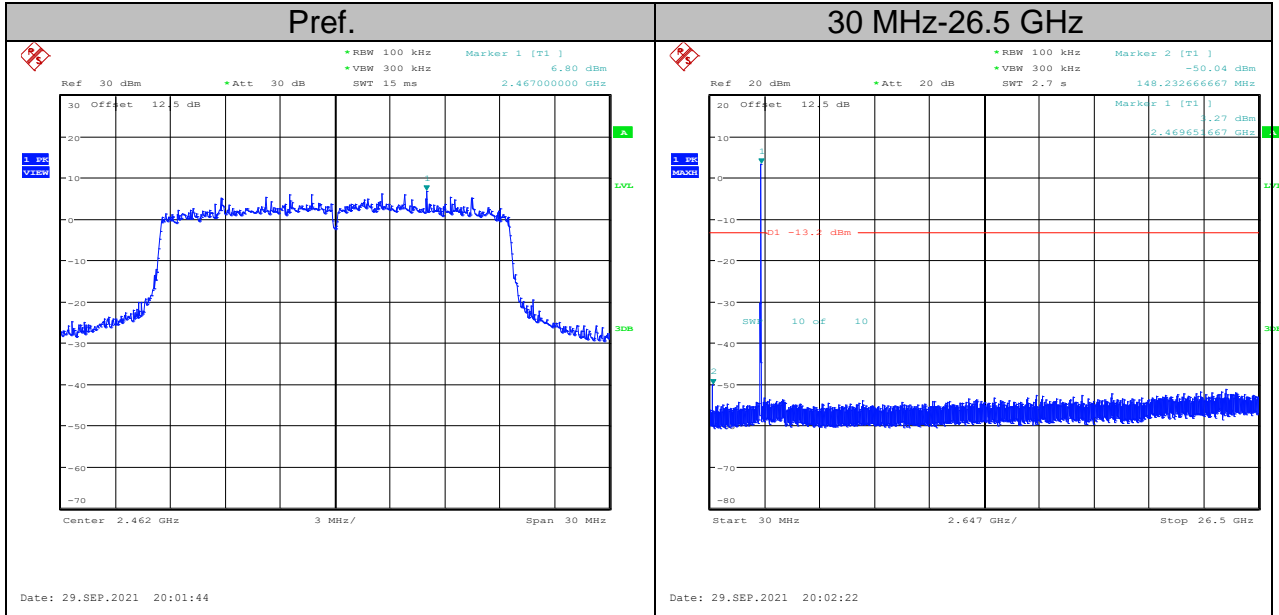




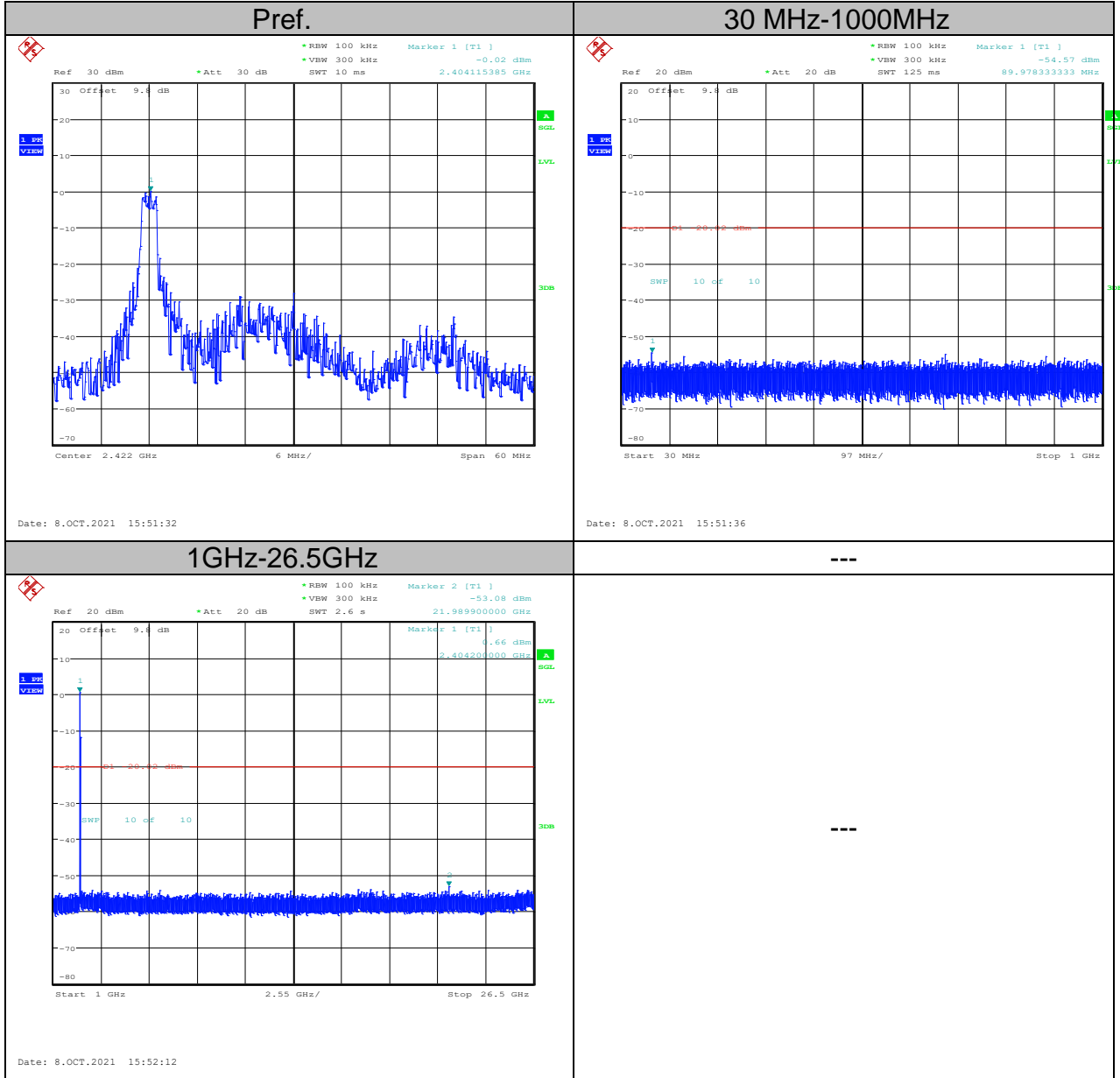
802.11ax-HEW20  
High Channel  
ANT 0



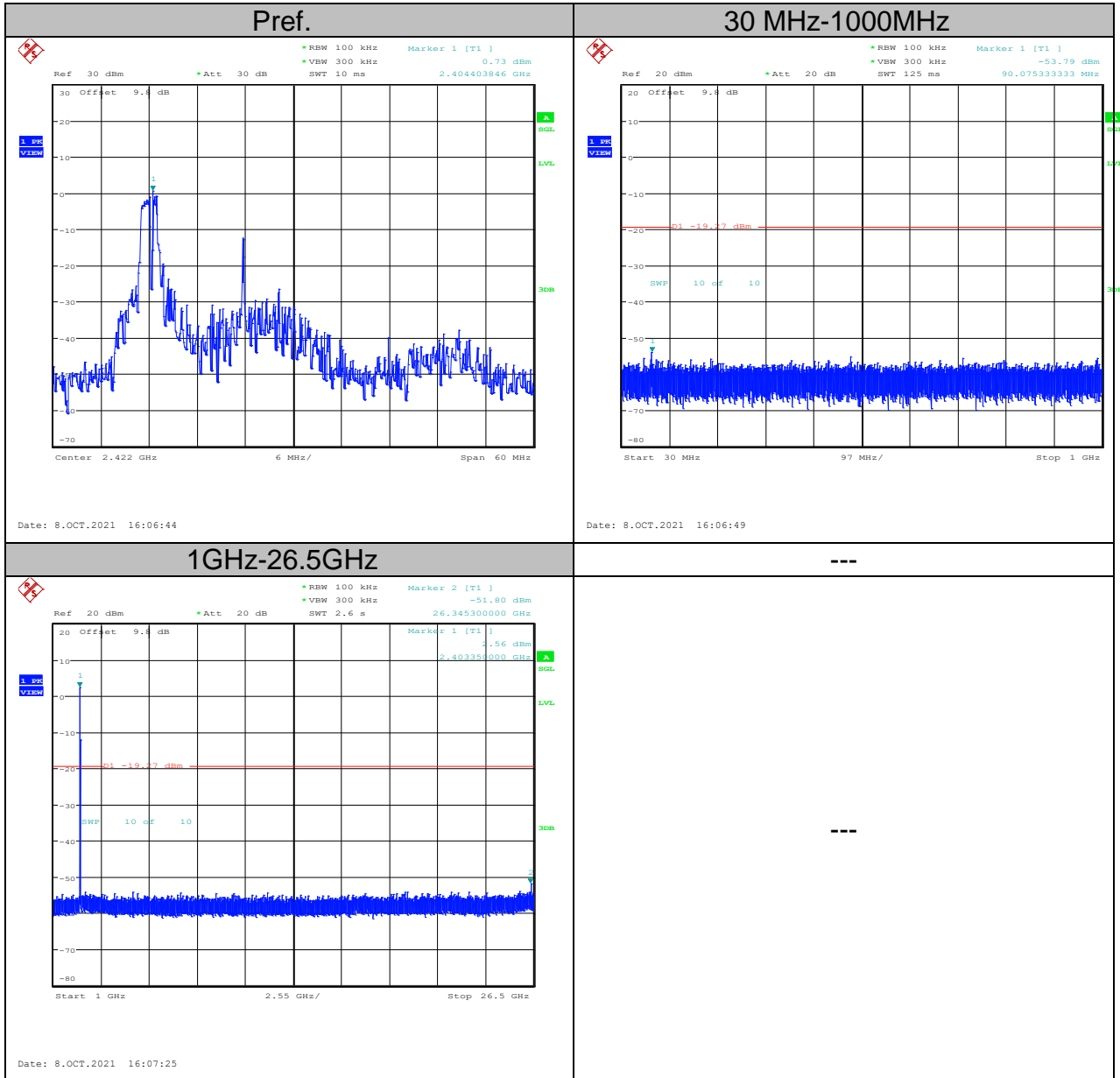
ANT 1



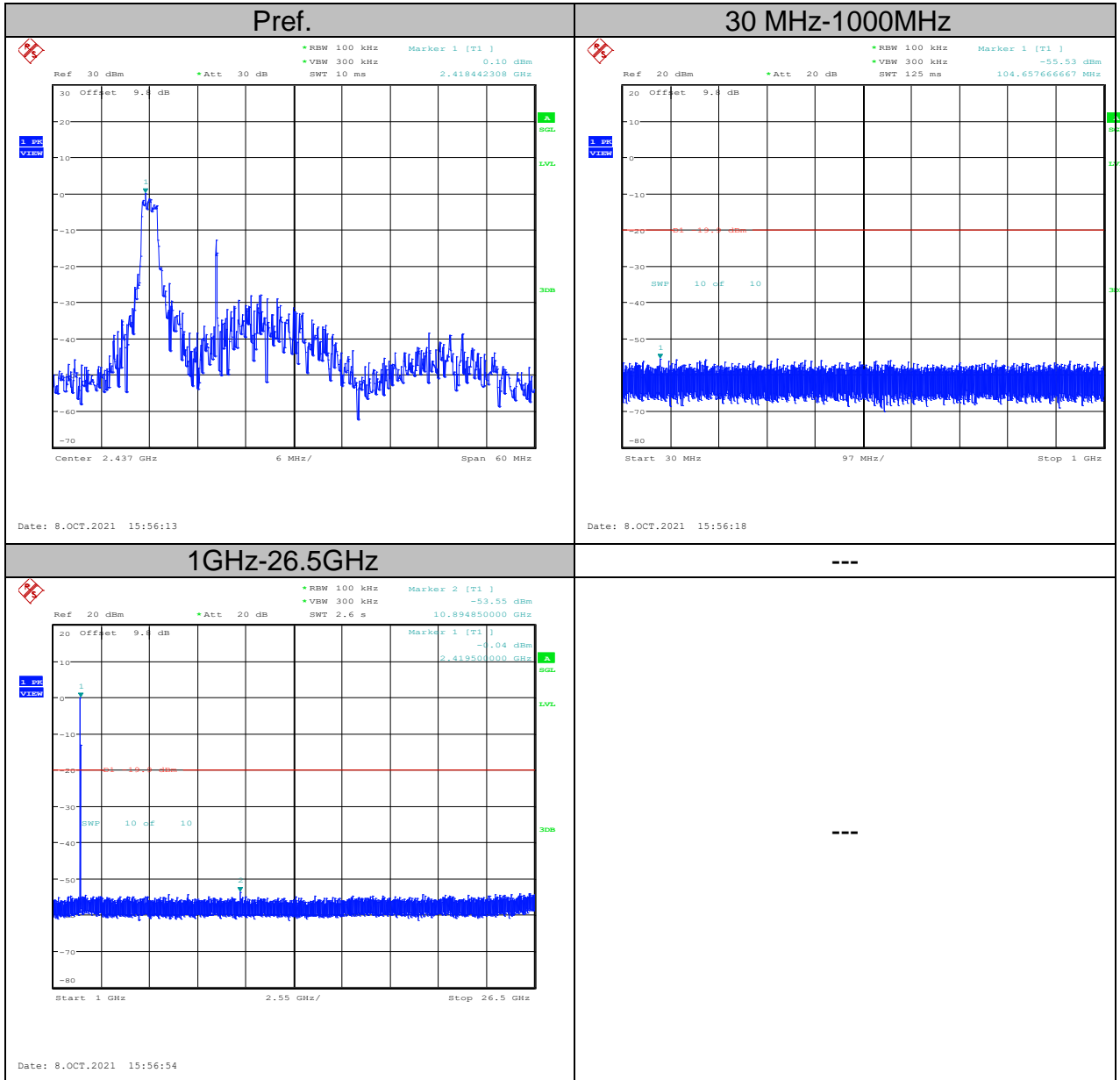
802.11ax-HEW40 RU26  
 Low Channel  
 ANT 0



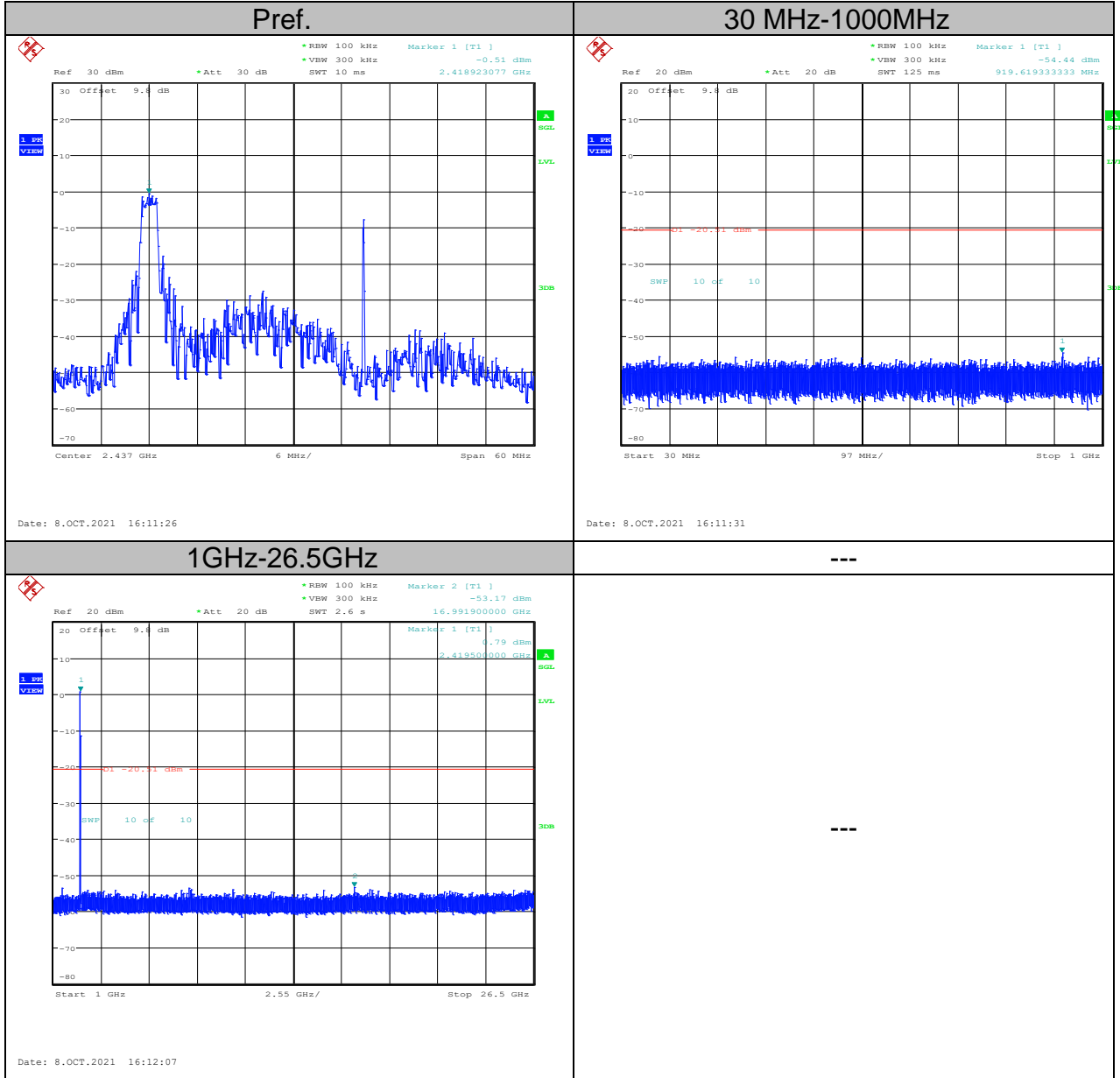
802.11ax-HEW40 RU26  
 Low Channel  
 ANT 1



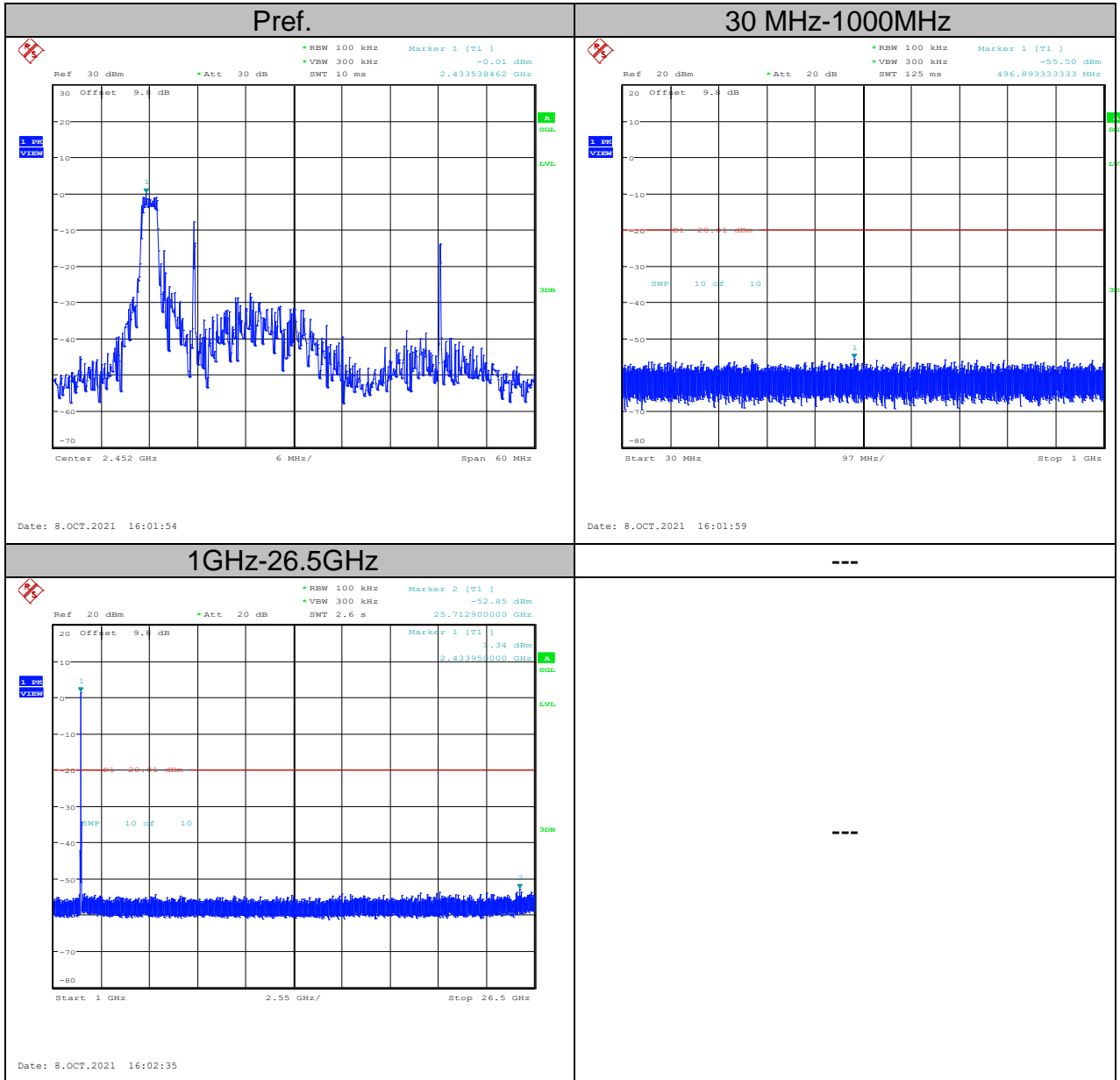
802.11ax-HEW40 RU26  
 Mid Channel  
 ANT 0



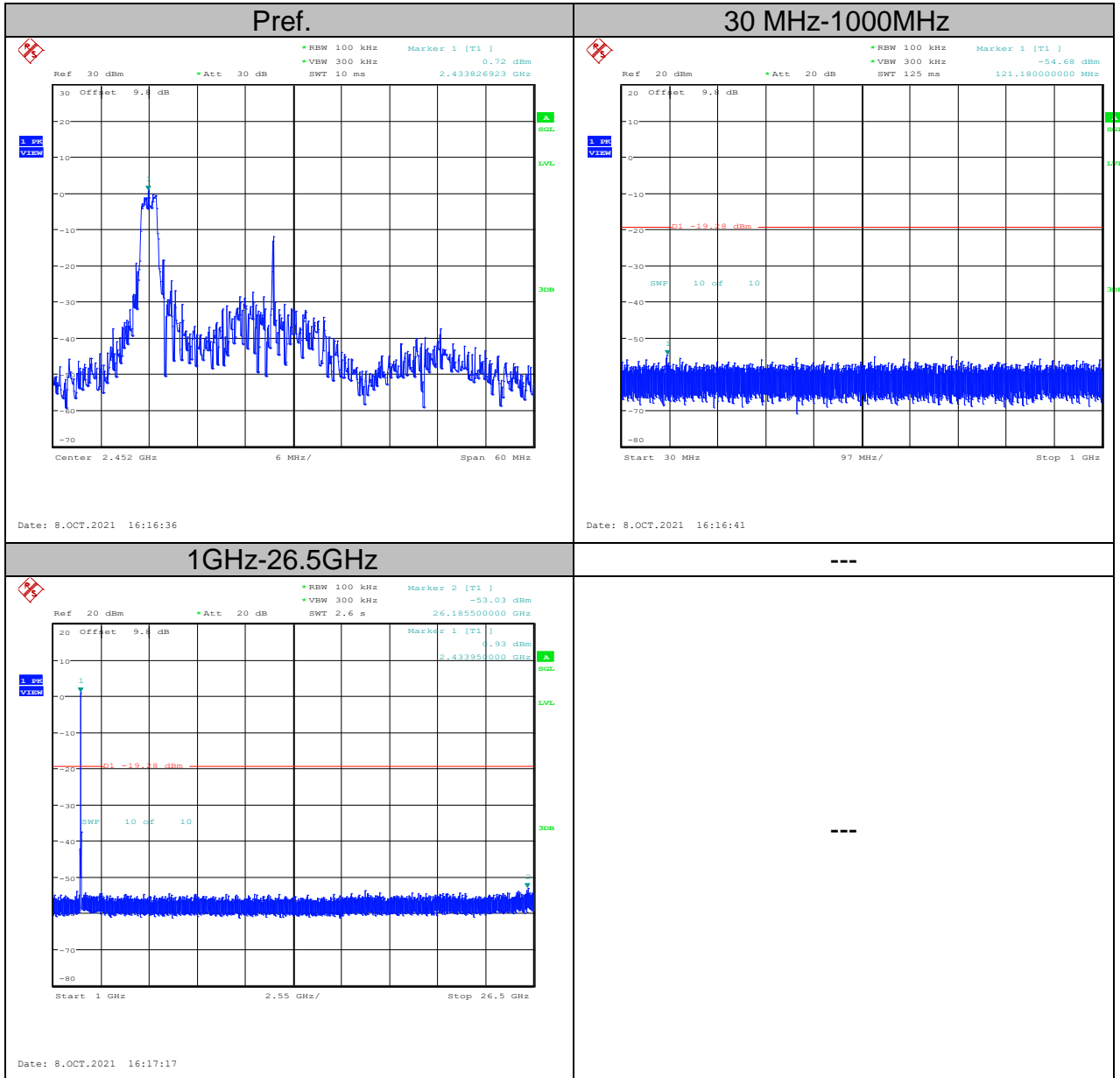
802.11ax-HEW40 RU26  
 Mid Channel  
 ANT 1



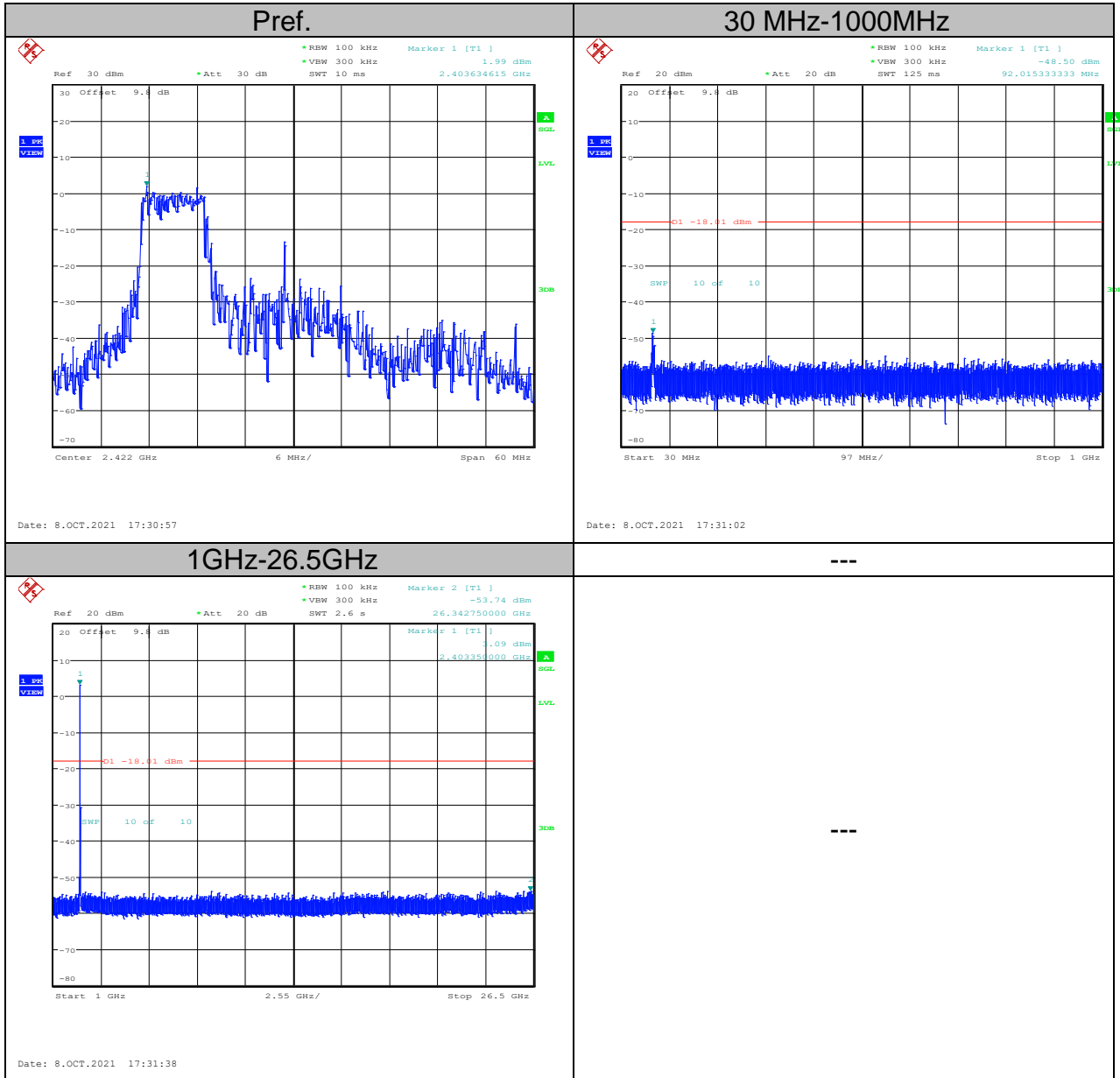
802.11ax-HEW40 RU26  
 High Channel  
 ANT 0



802.11ax-HEW40 RU26  
 High Channel  
 ANT 1

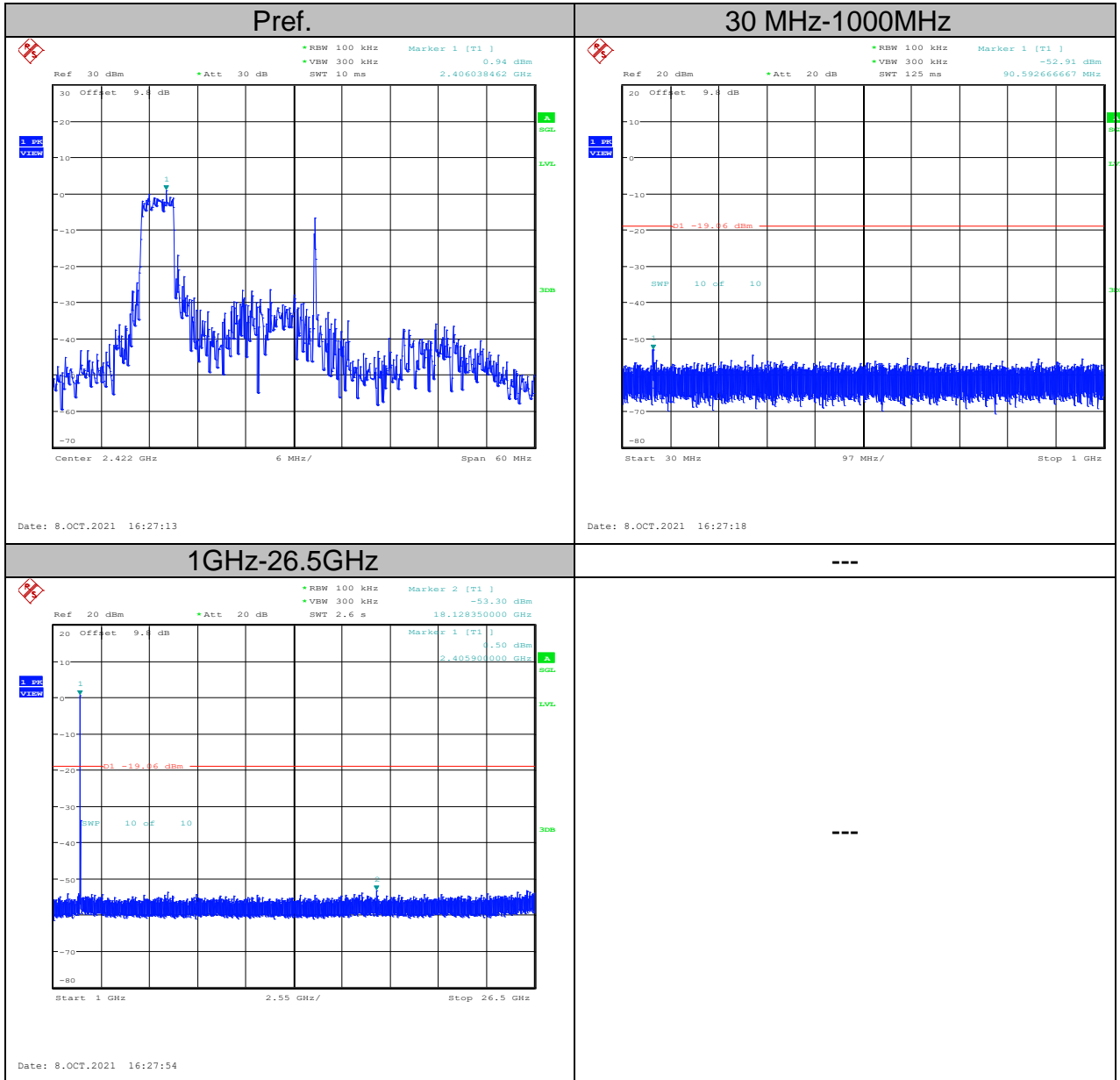


802.11ax-HEW40 RU52  
 Low Channel  
 ANT 0

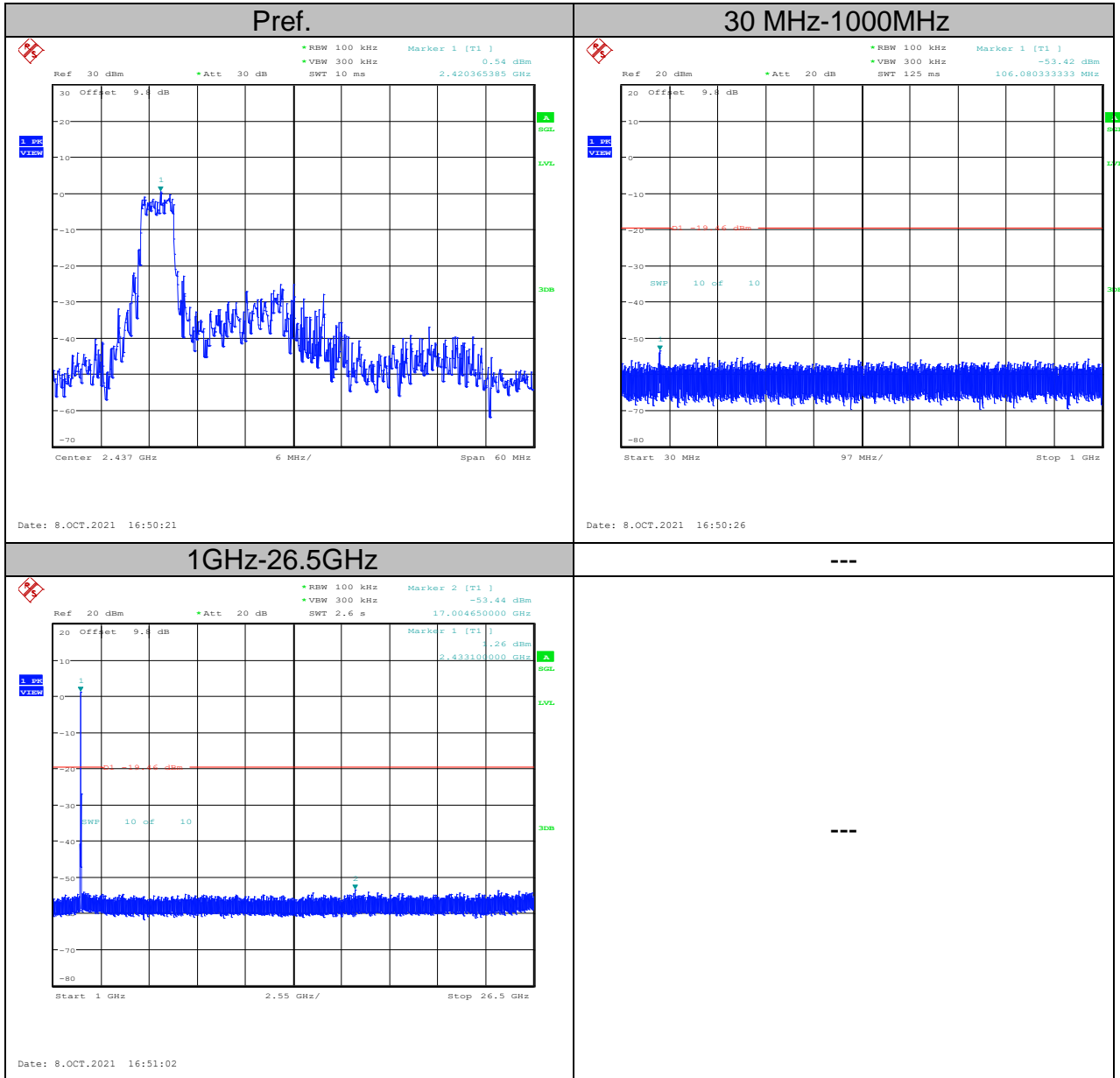




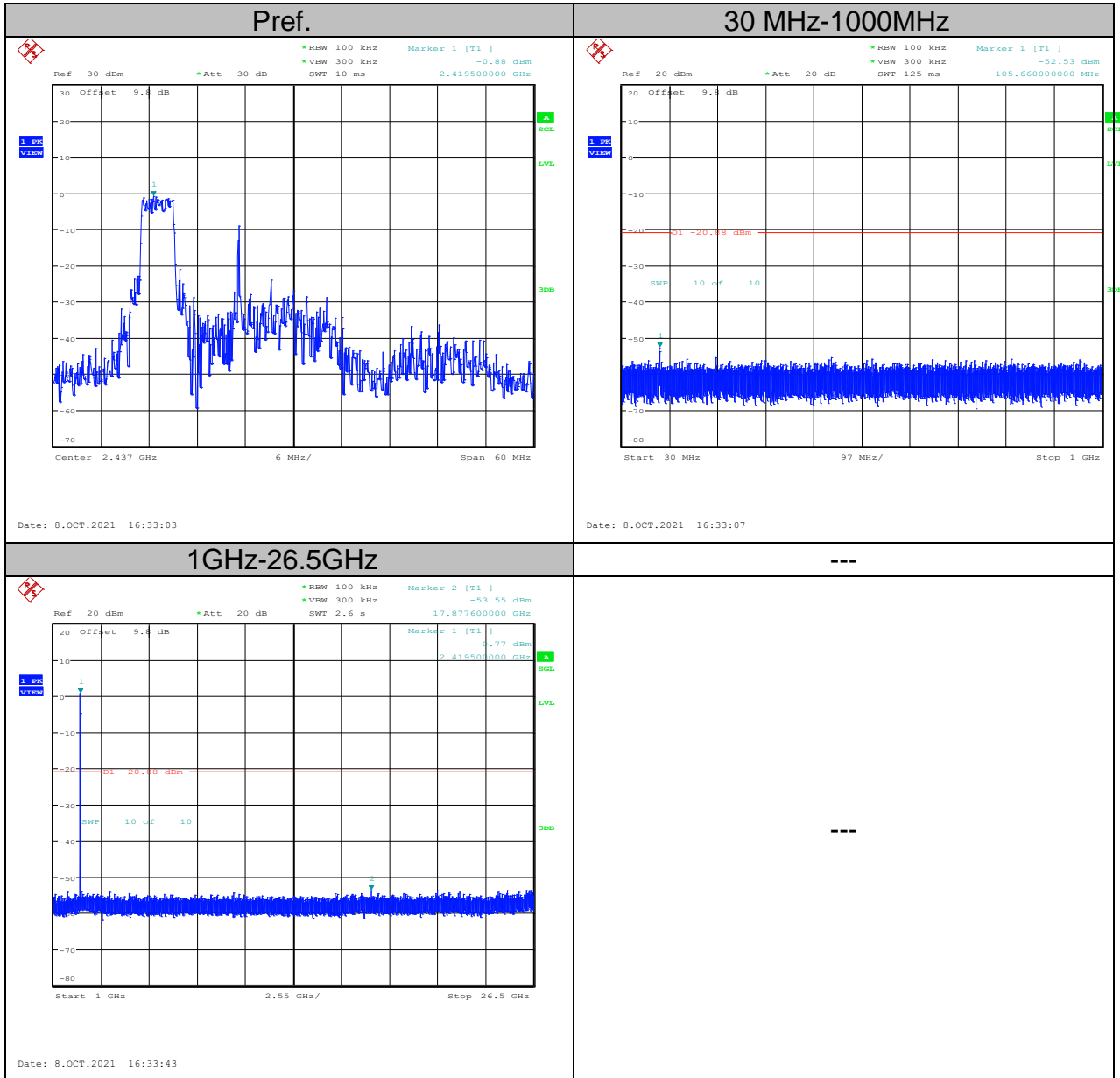
802.11ax-HEW40 RU52  
 Low Channel  
 ANT 1



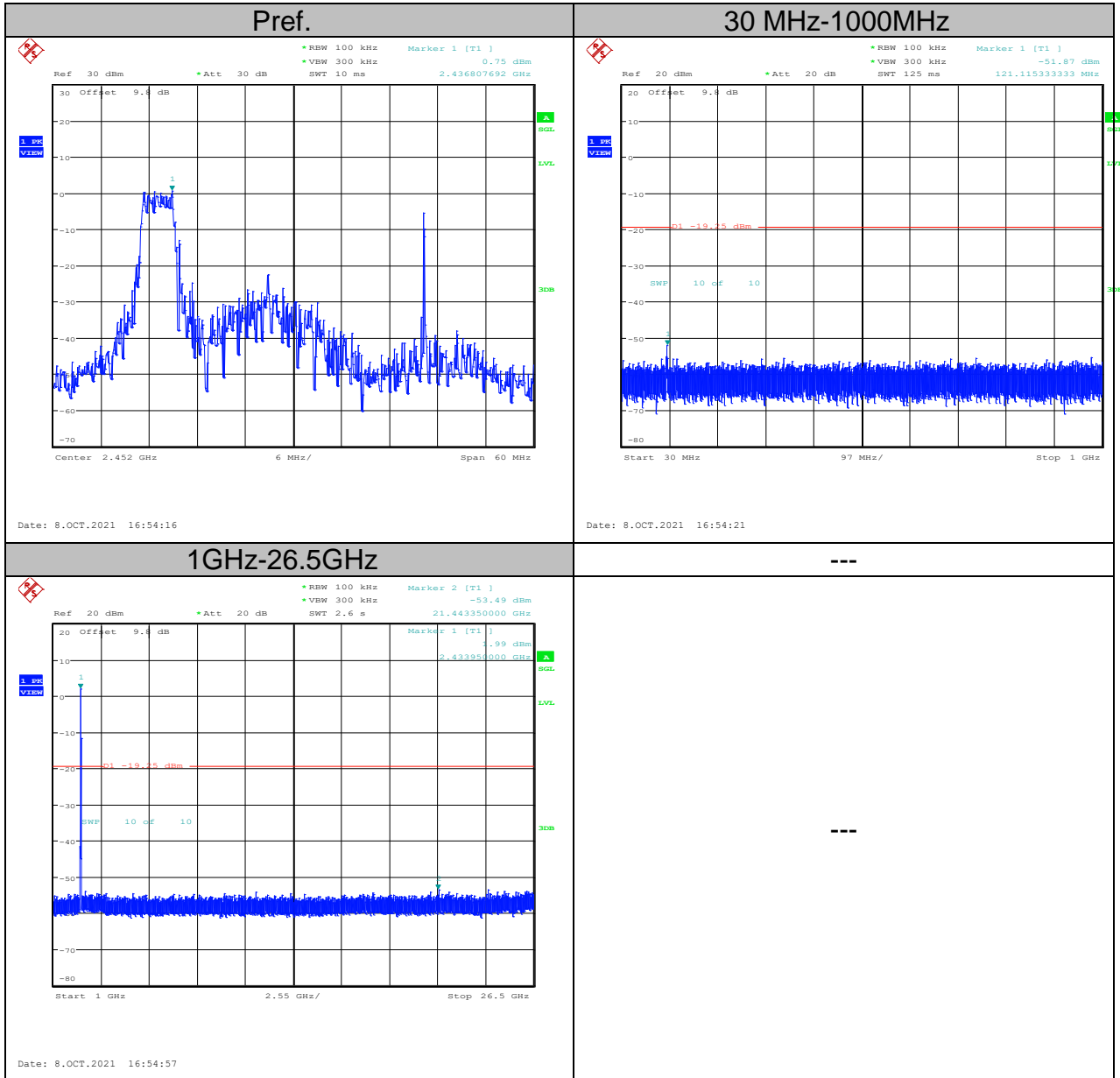
802.11ax-HEW40 RU52  
Mid Channel  
ANT 0



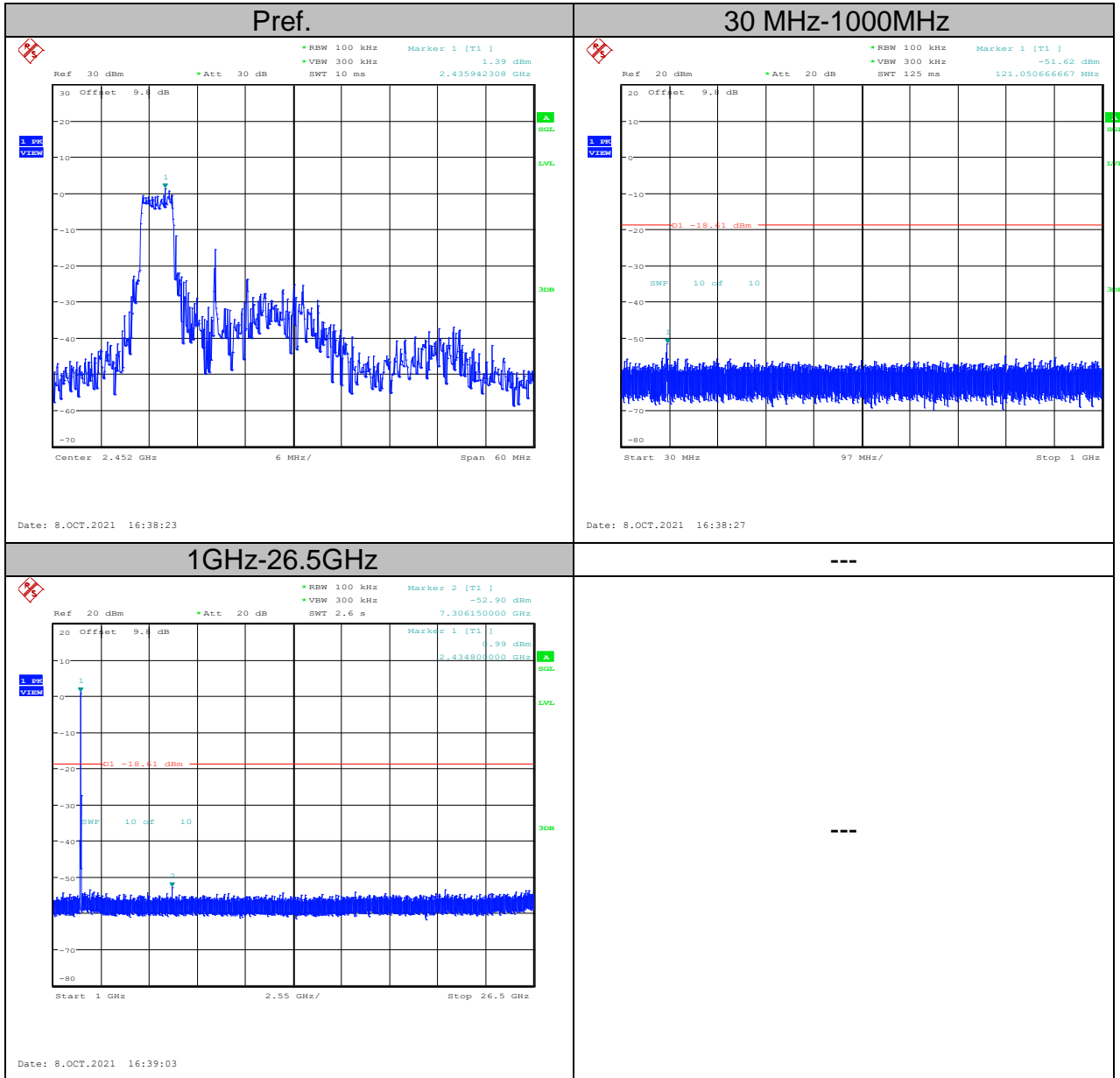
802.11ax-HEW40 RU52  
 Mid Channel  
 ANT 1



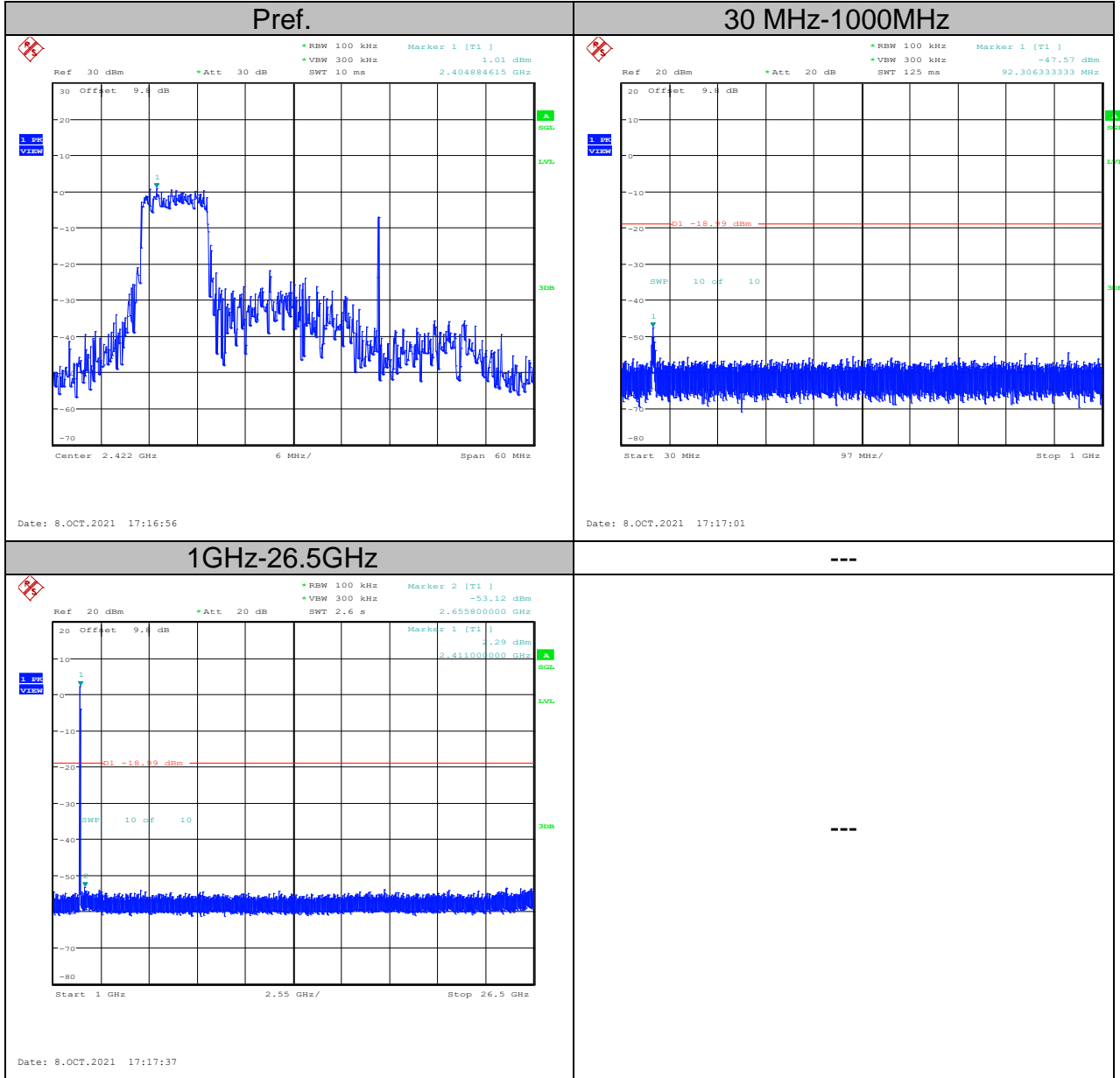
802.11ax-HEW40 RU52  
 High Channel  
 ANT 0



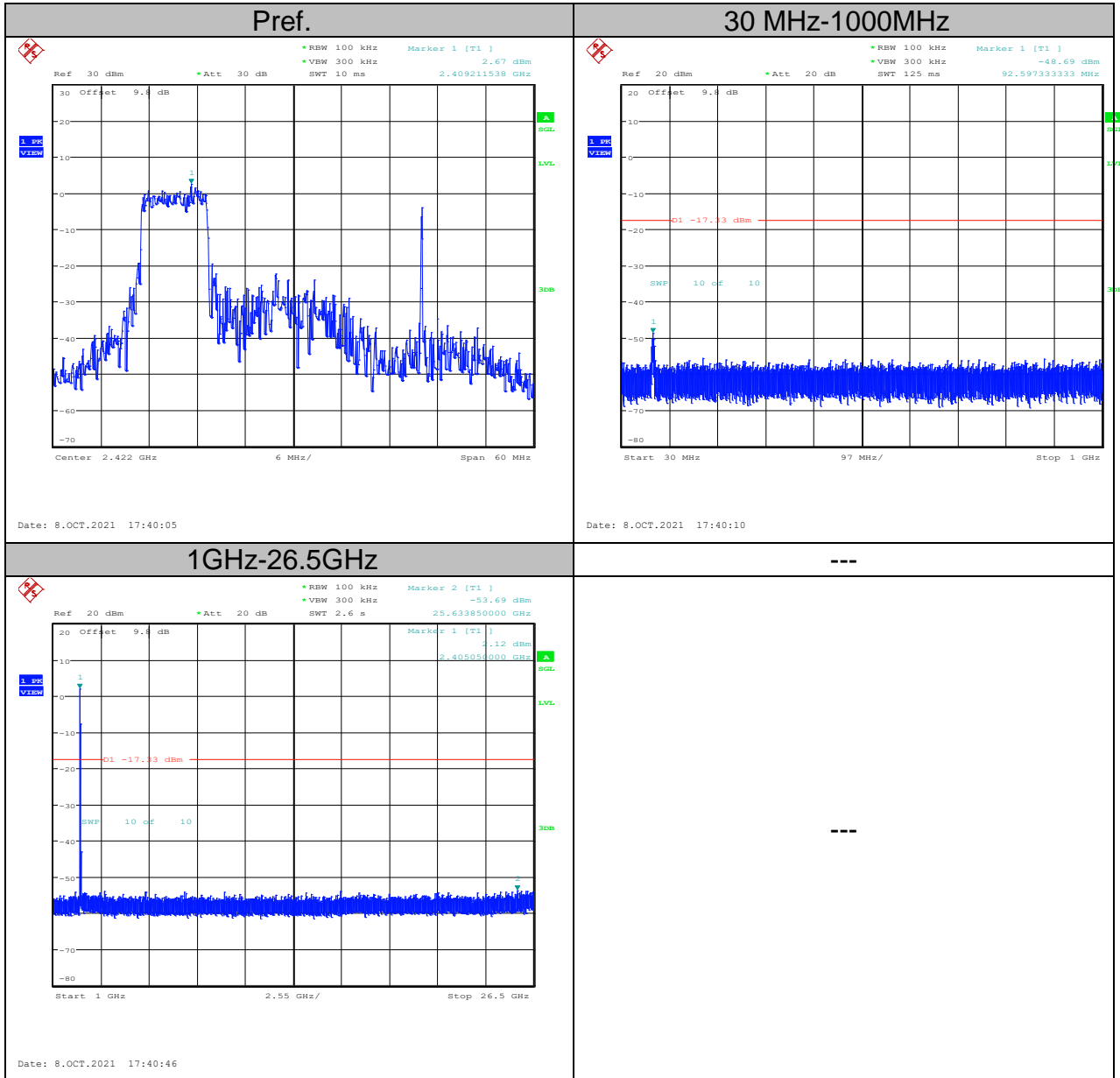
802.11ax-HEW40 RU52  
 High Channel  
 ANT 1



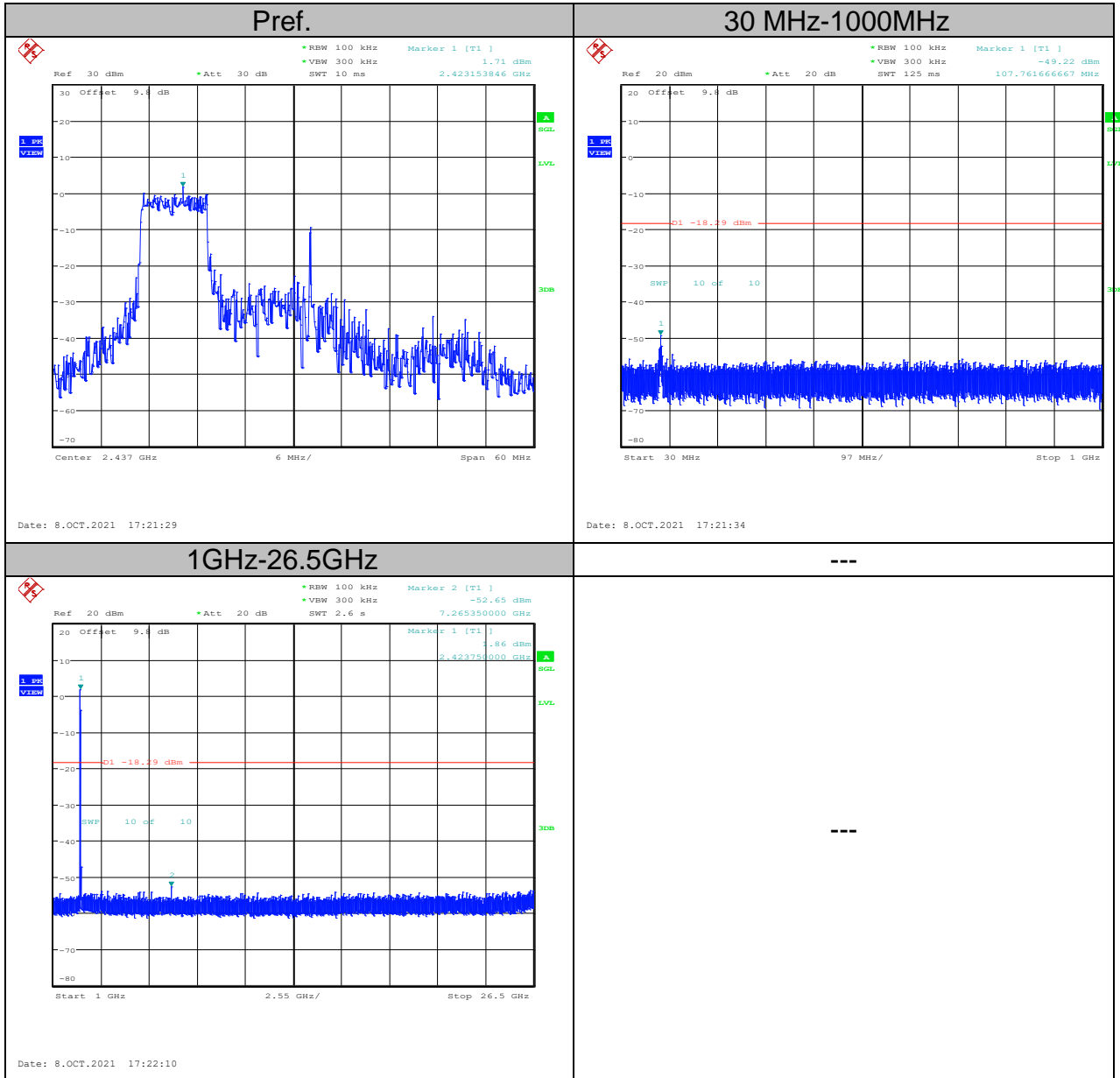
802.11ax-HEW40 RU106  
 Low Channel  
 ANT 0



802.11ax-HEW40 RU106  
 Low Channel  
 ANT 1

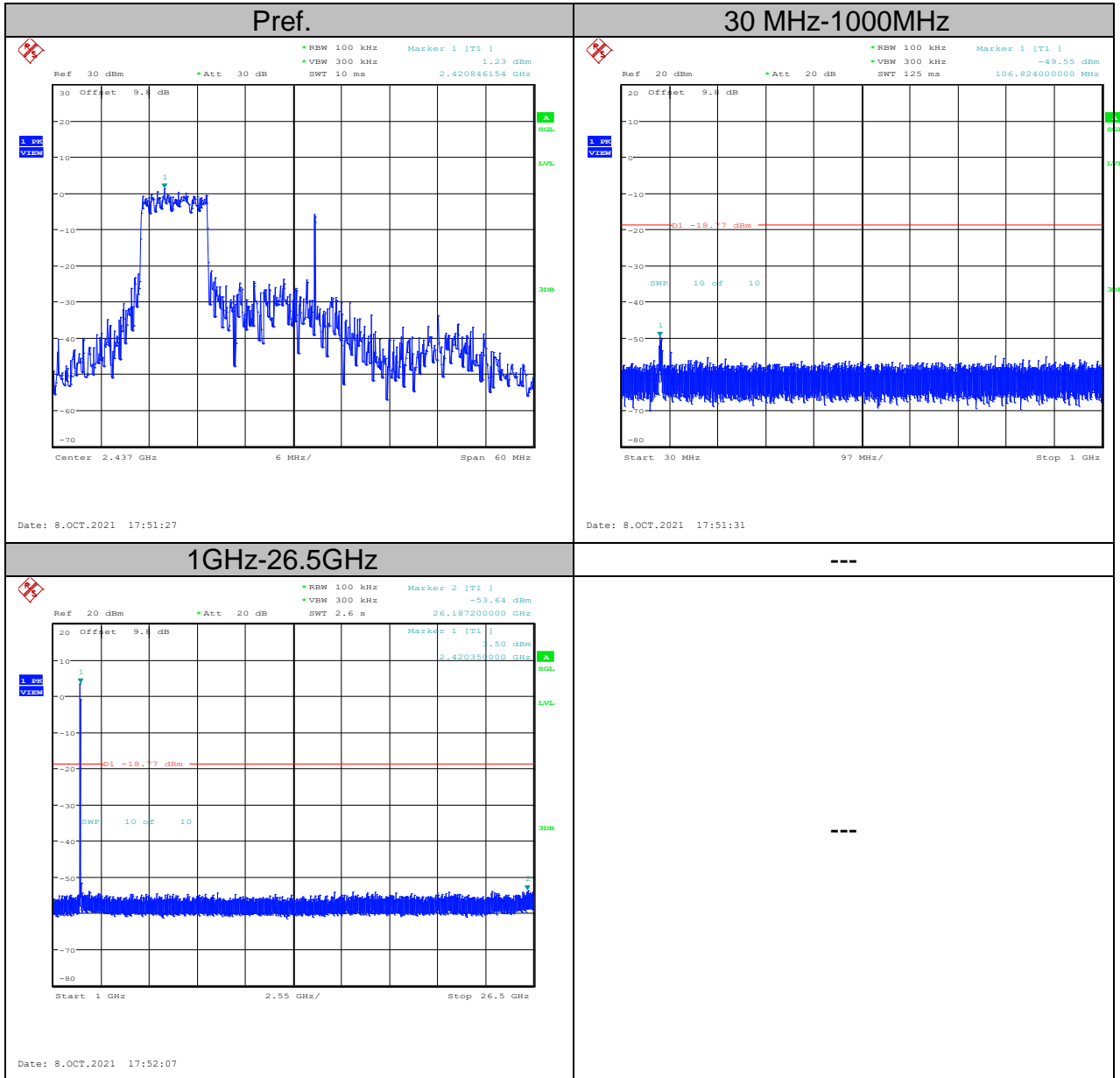


802.11ax-HEW40 RU106  
 Mid Channel  
 ANT 0

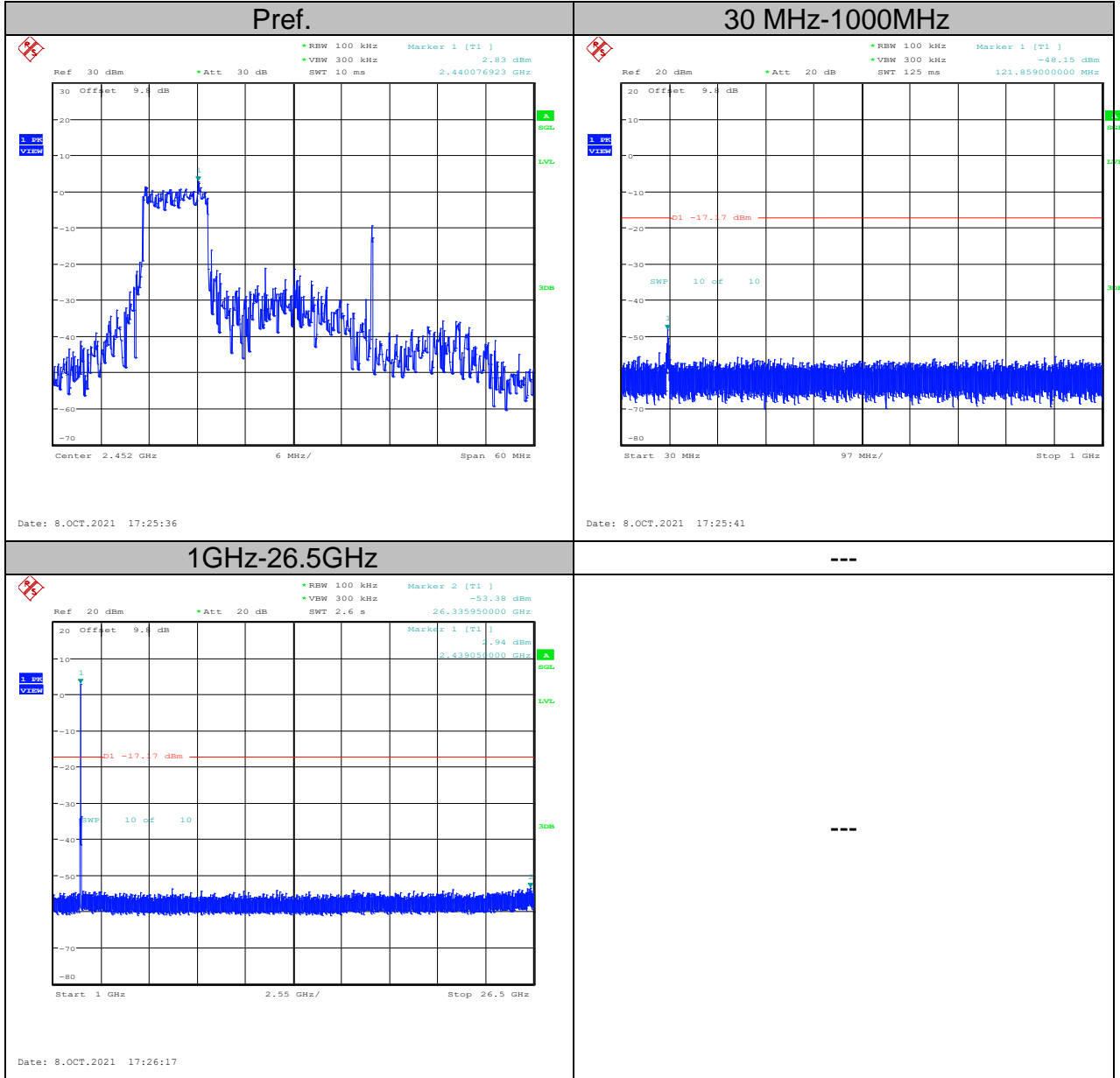




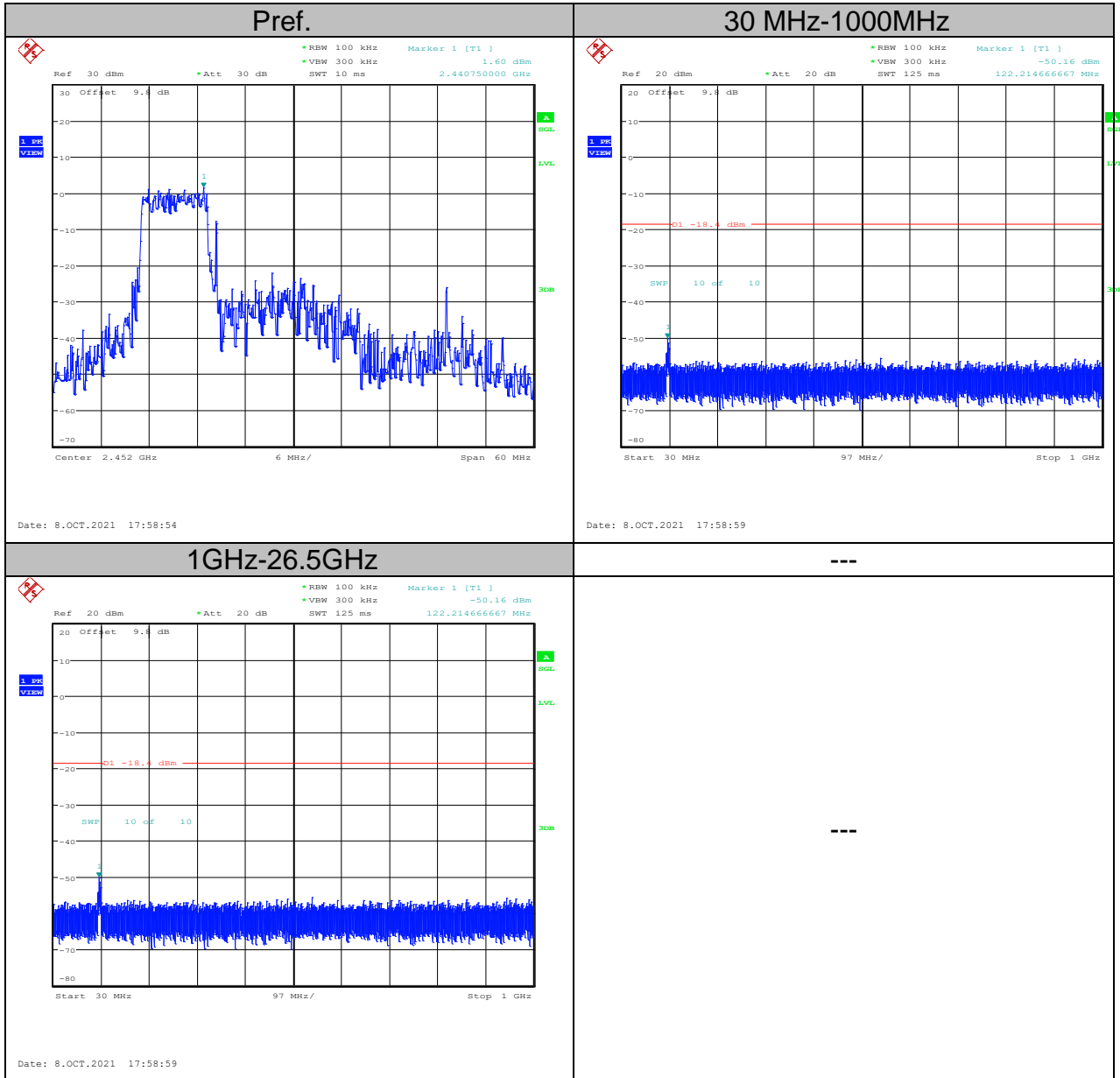
802.11ax-HEW40 RU106  
 Mid Channel  
 ANT 1



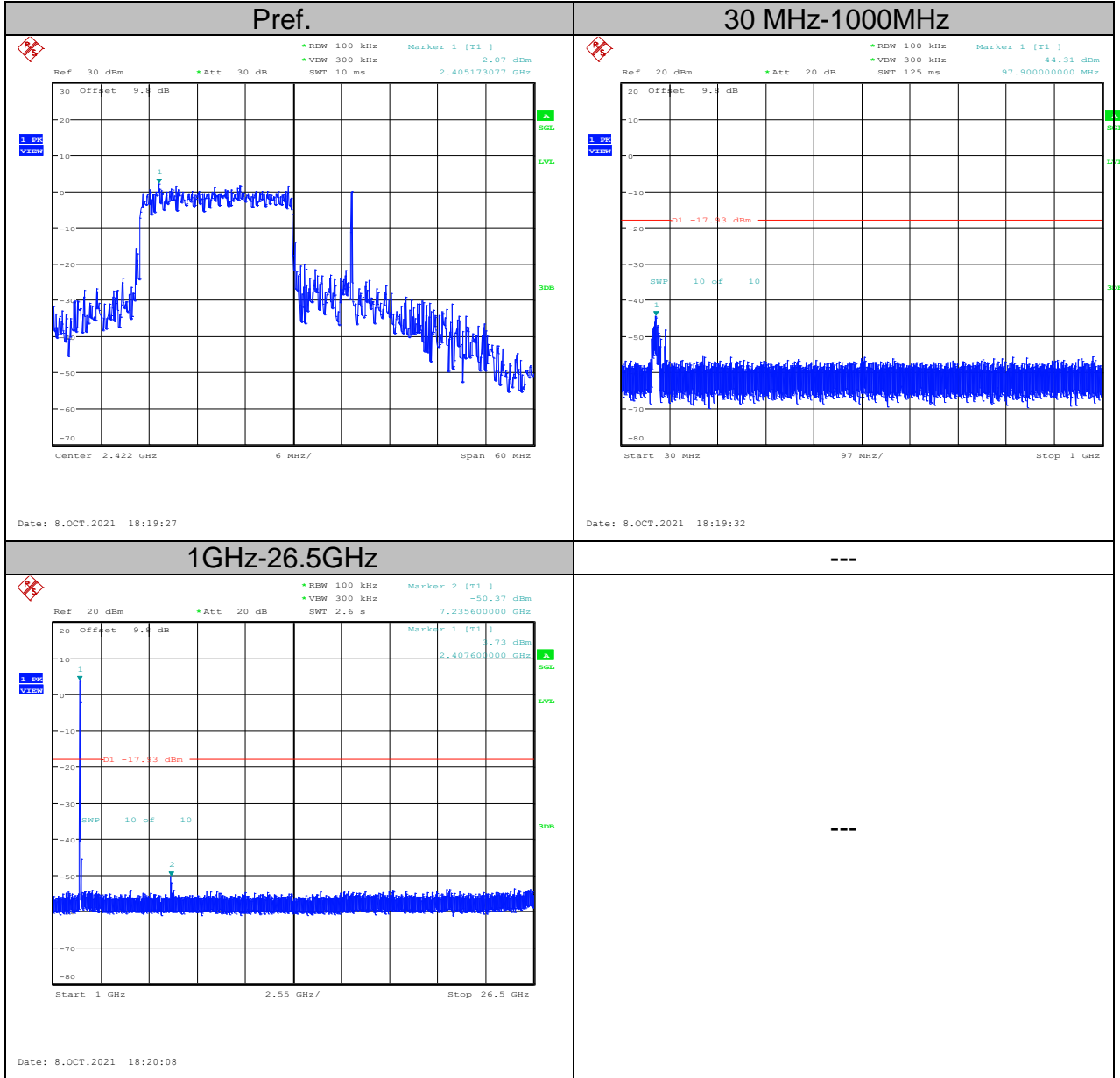
802.11ax-HEW40 RU106  
 High Channel  
 ANT 0



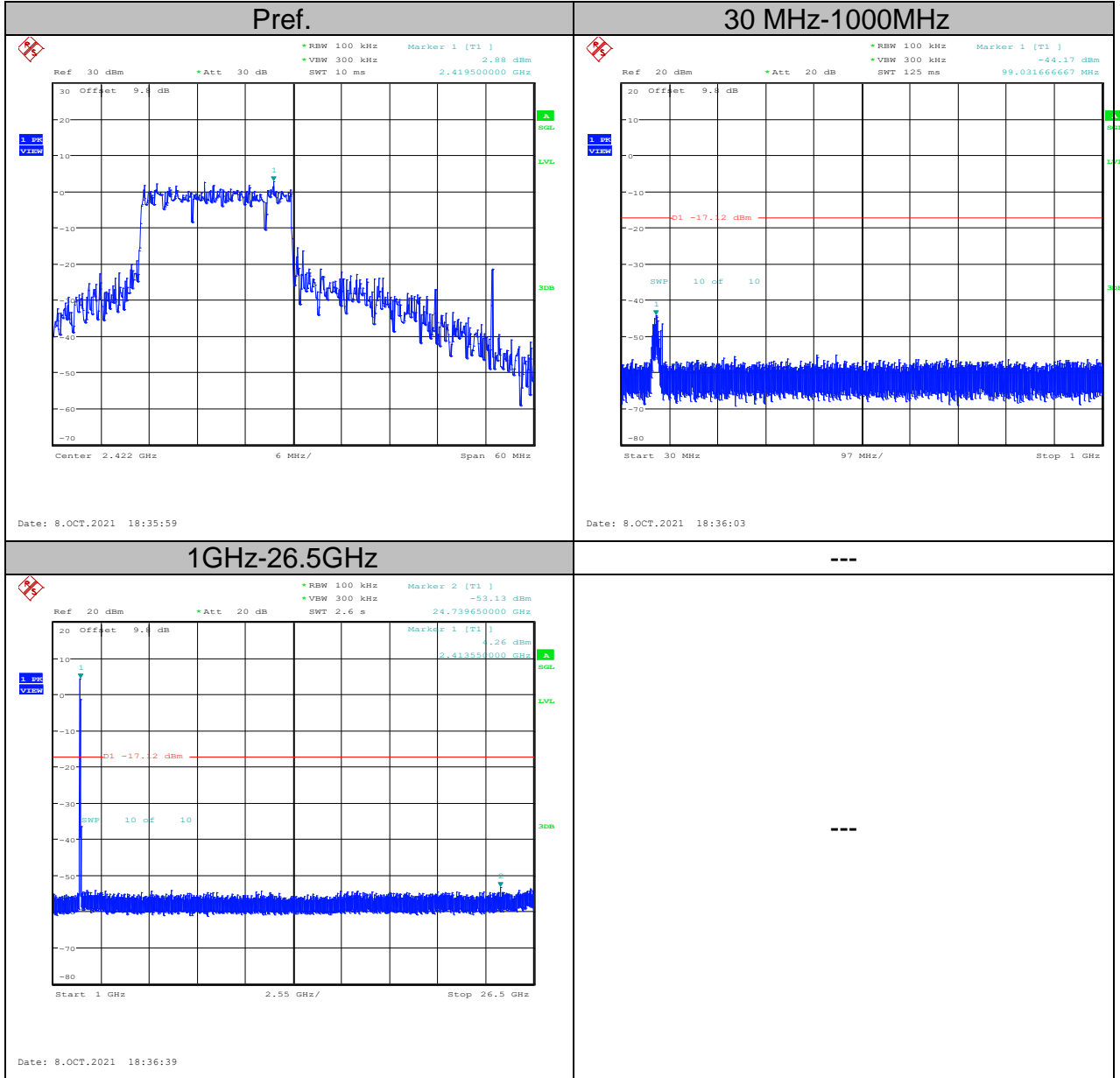
802.11ax-HEW40 RU106  
 High Channel  
 ANT 1



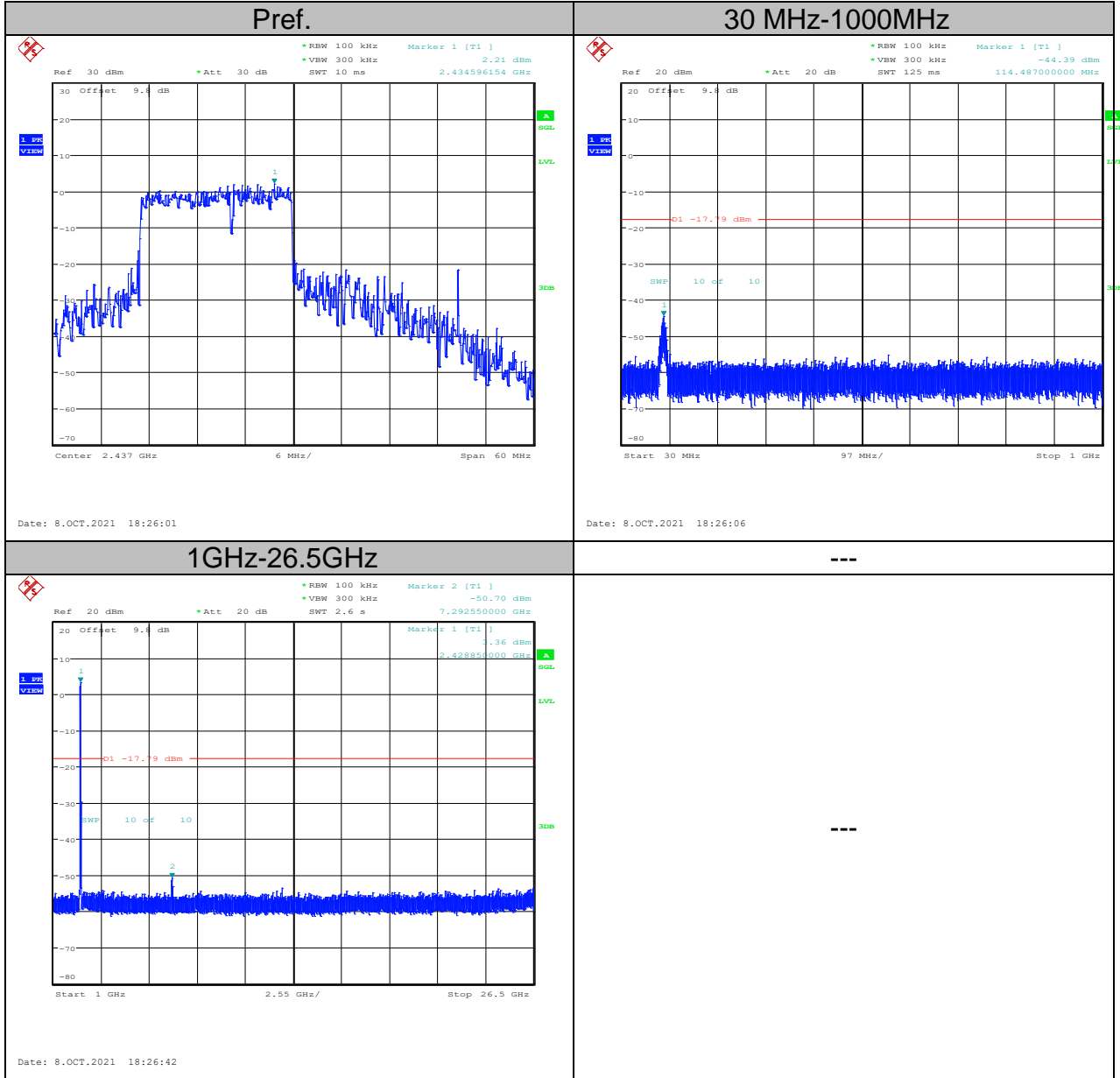
802.11ax-HEW40 RU242  
 Low Channel  
 ANT 0



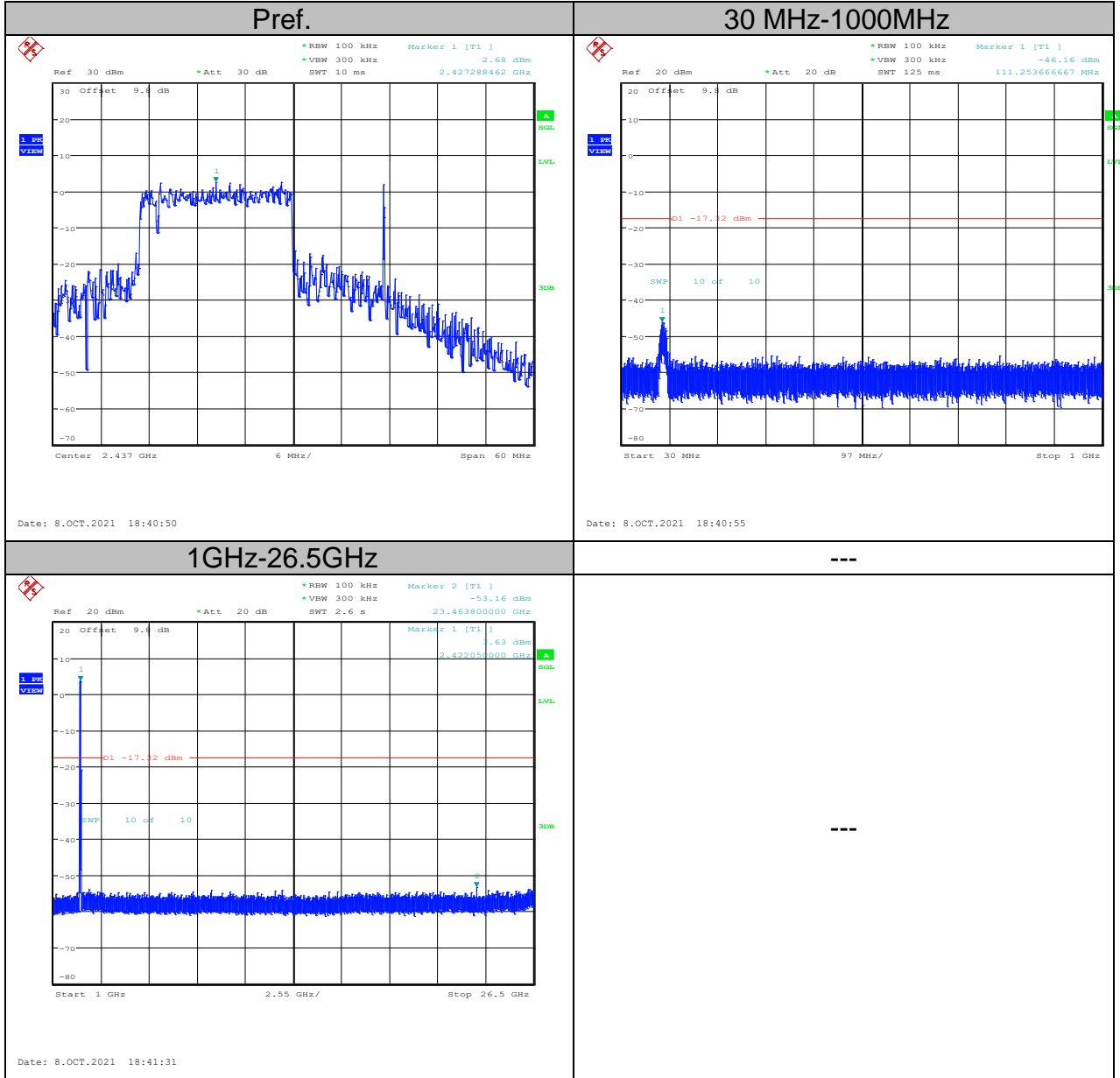
802.11ax-HEW40 RU242  
 Low Channel  
 ANT 1



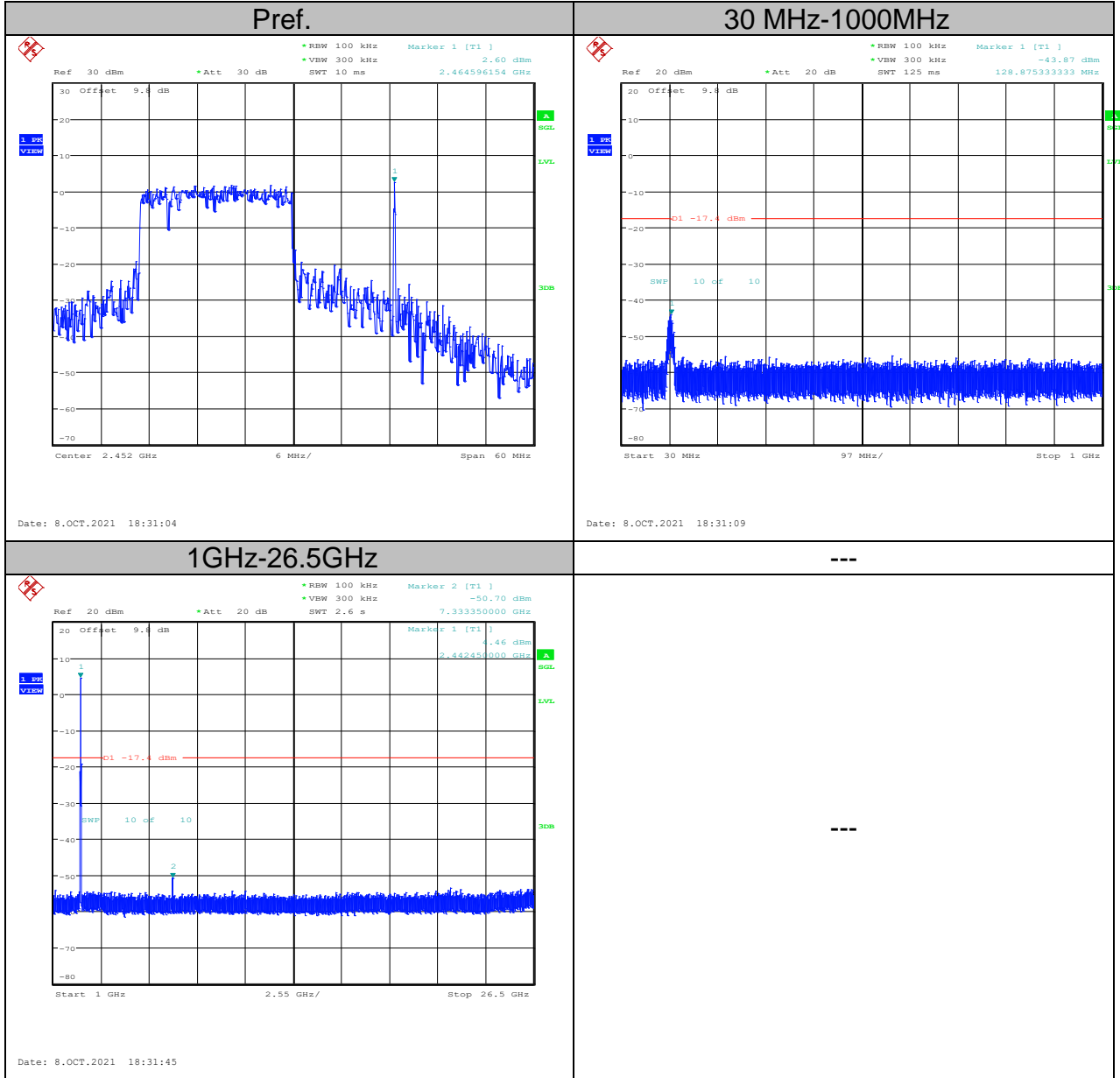
802.11ax-HEW40 RU242  
 Mid Channel  
 ANT 0



802.11ax-HEW40 RU242  
 Mid Channel  
 ANT 1

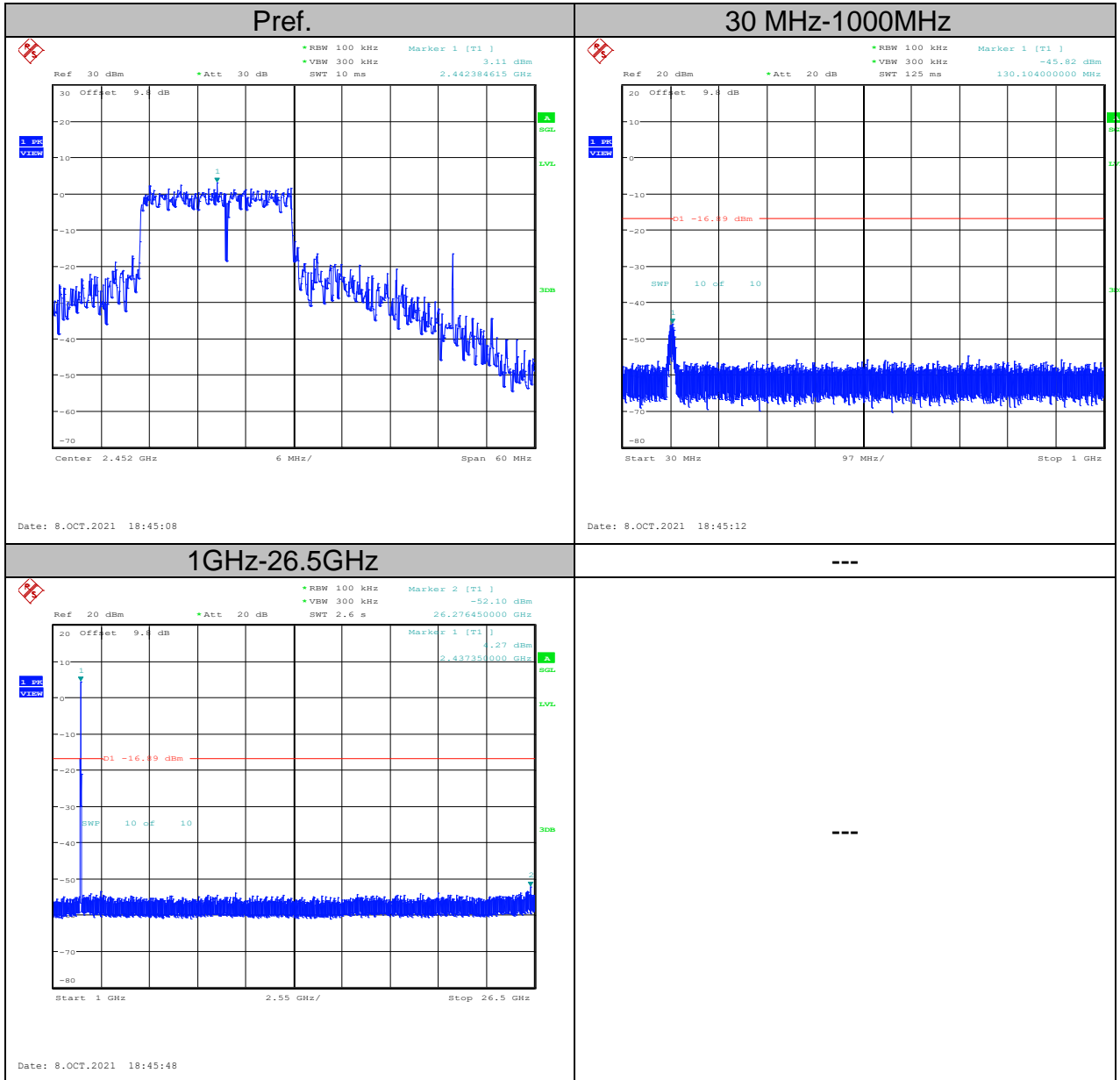


802.11ax-HEW40 RU242  
 High Channel  
 ANT 0

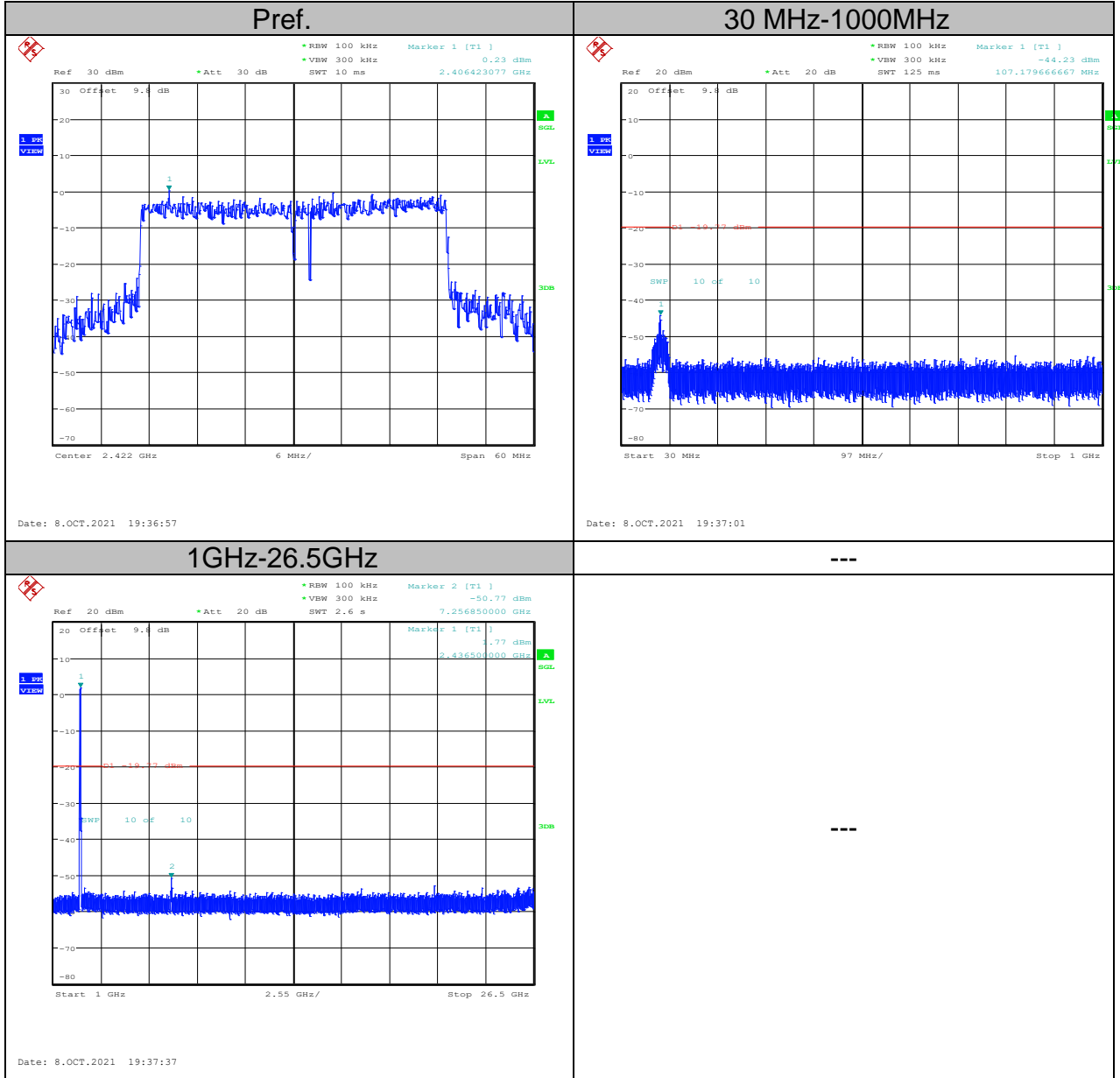




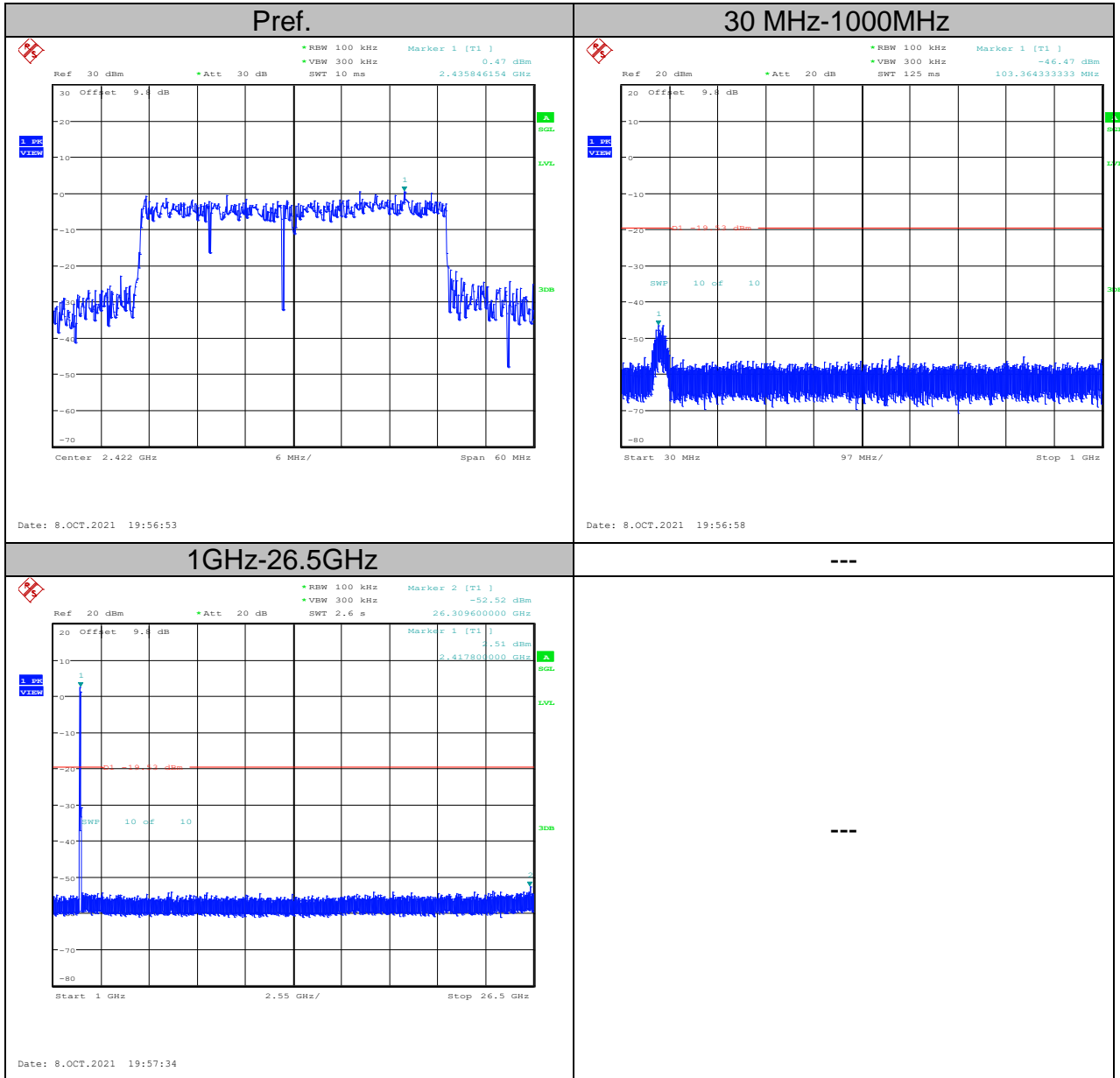
802.11ax-HEW40 RU242  
 High Channel  
 ANT 1



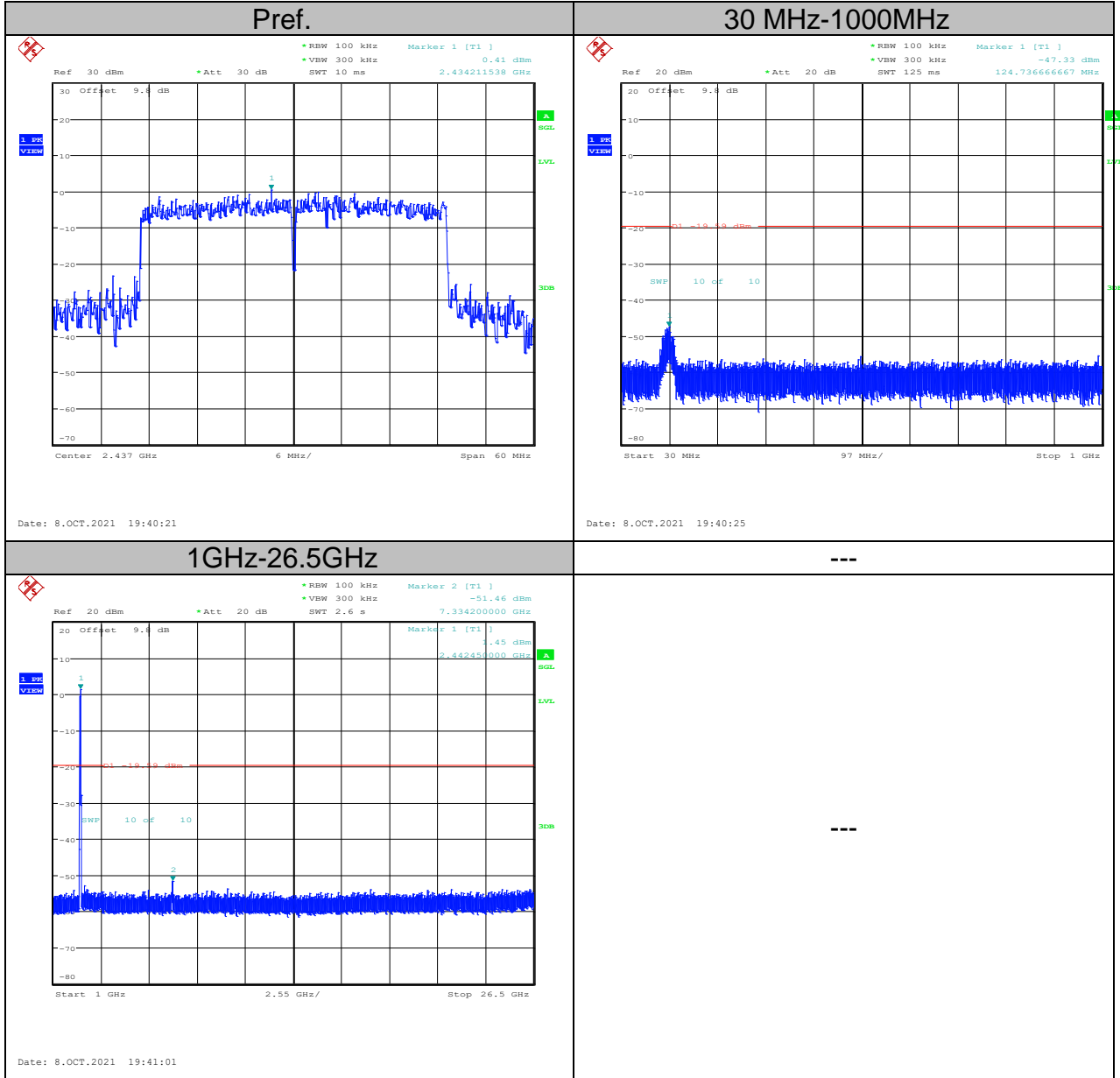
802.11ax-HEW40 RU484  
 Low Channel  
 ANT 0



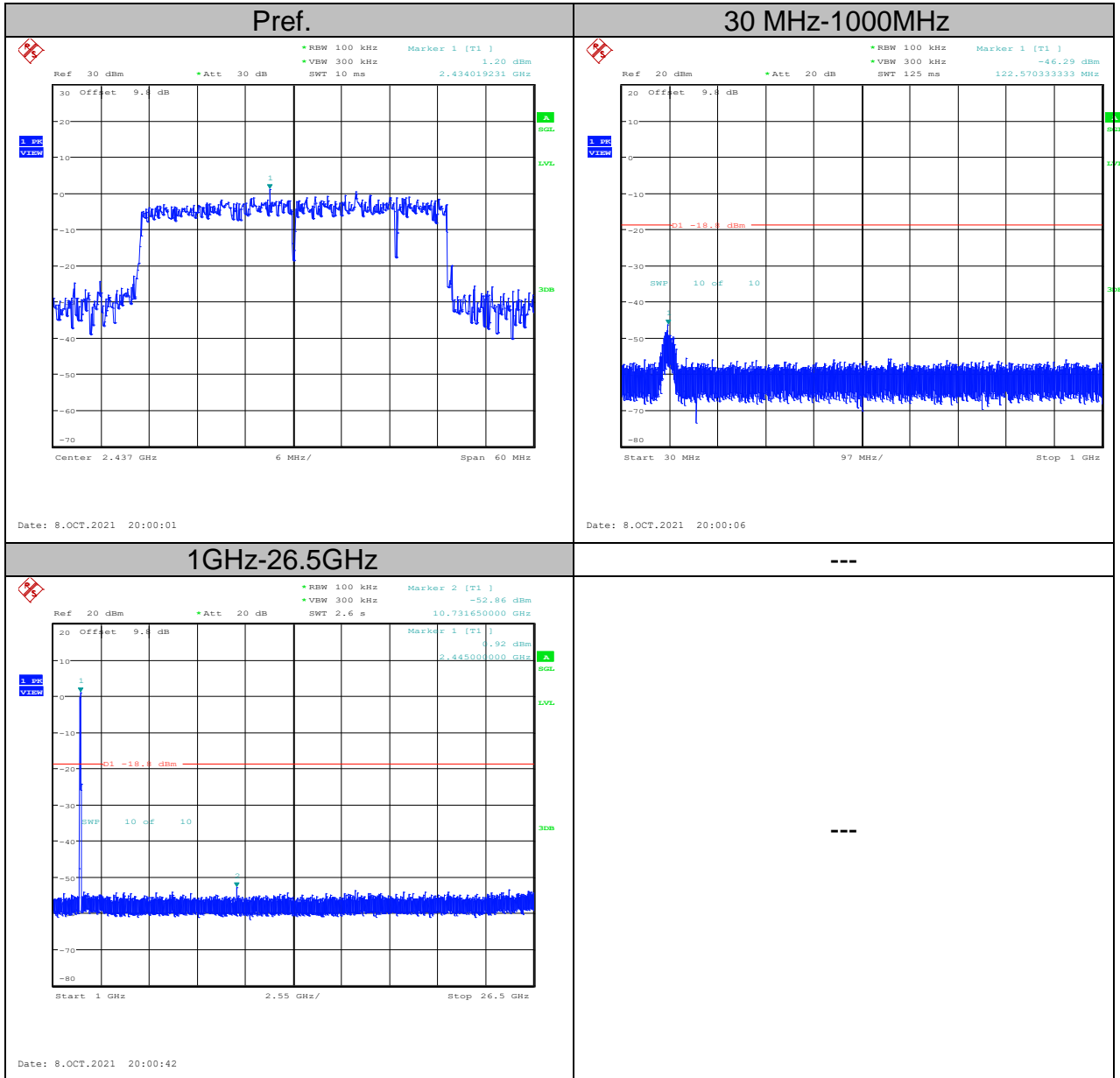
802.11ax-HEW40 RU484  
 Low Channel  
 ANT 1



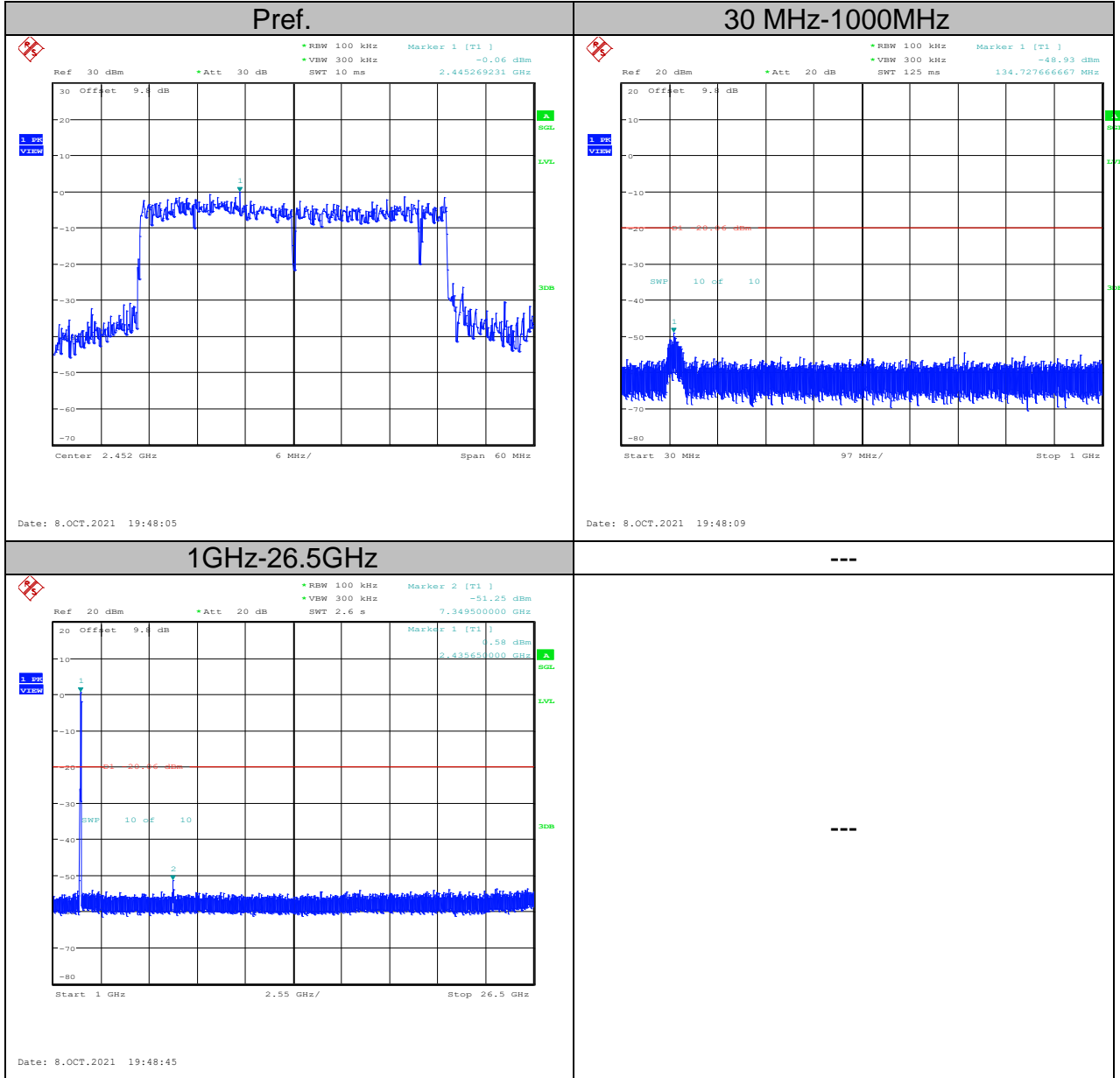
802.11ax-HEW40 RU484  
 Mid Channel  
 ANT 0



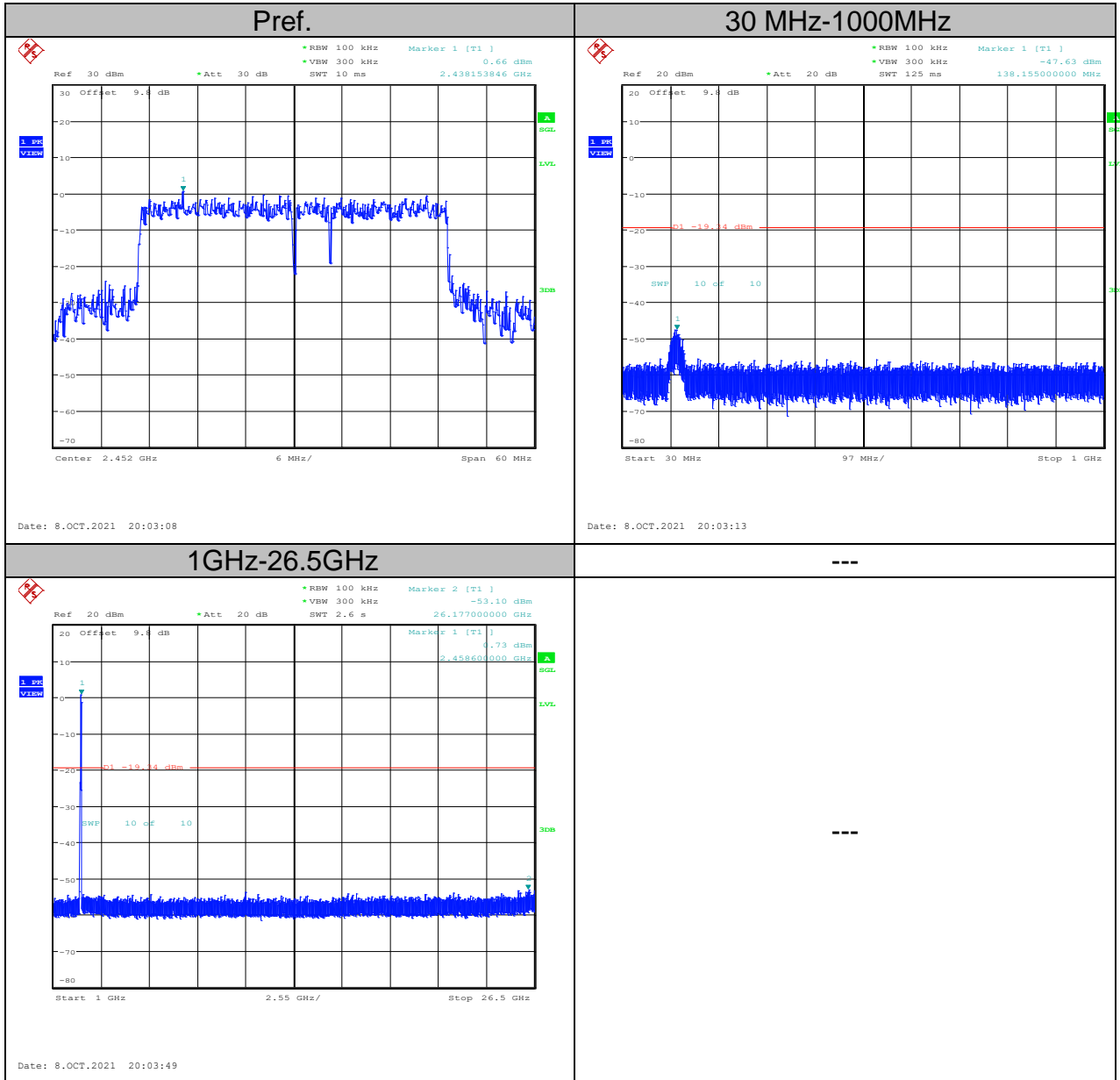
802.11ax-HEW40 RU484  
 Mid Channel  
 ANT 1



802.11ax-HEW40 RU484  
 High Channel  
 ANT 0



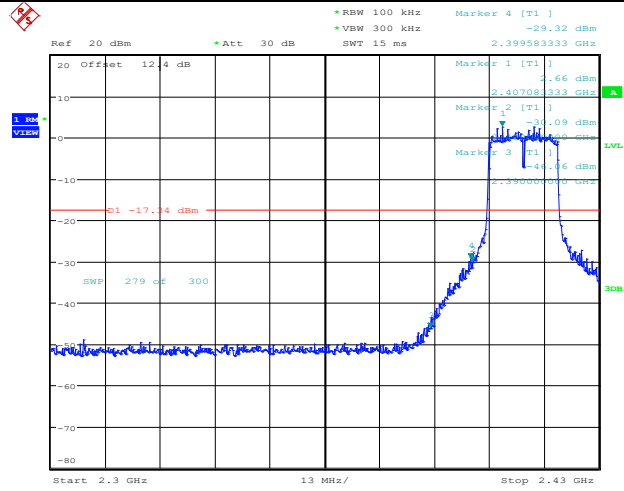
802.11ax-HEW40 RU484  
 High Channel  
 ANT 1





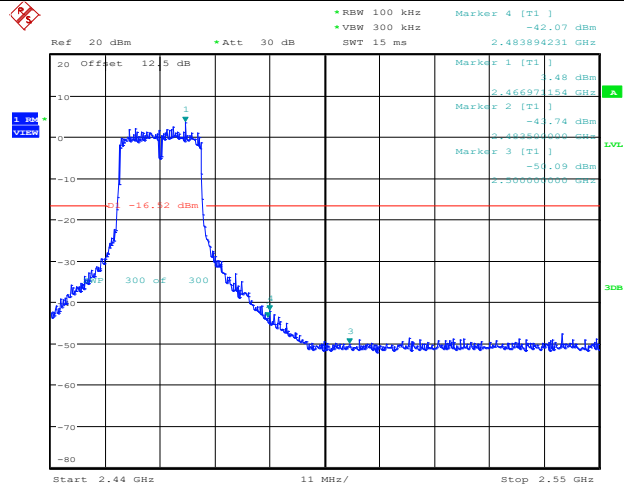


### 11G\_Low\_2412



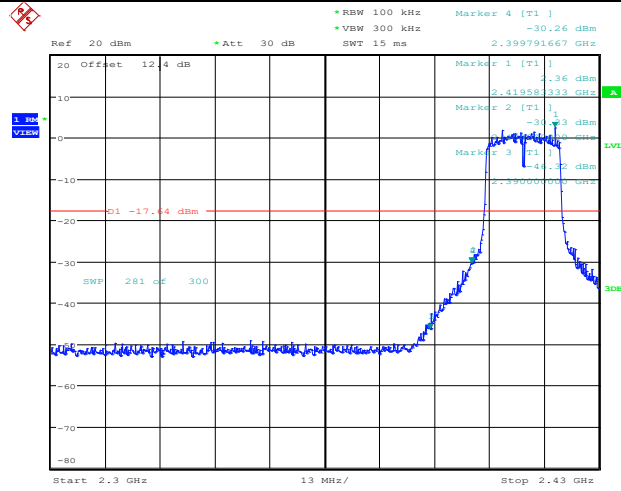
Date: 29.SEP.2021 16:43:18

### 11G\_High\_2462



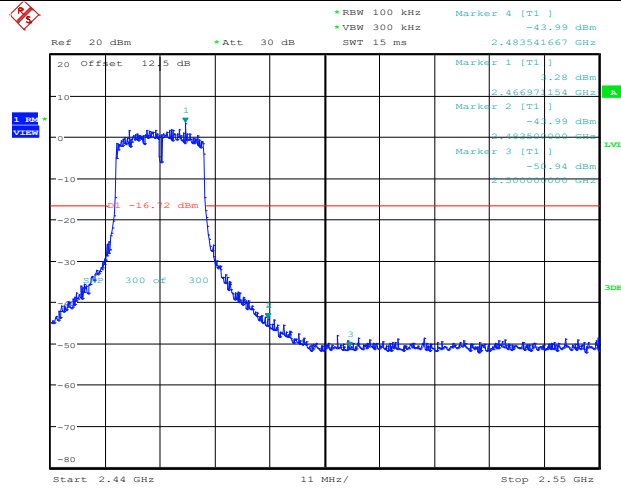
Date: 29.SEP.2021 16:55:07

### 11N20\_Low\_2412



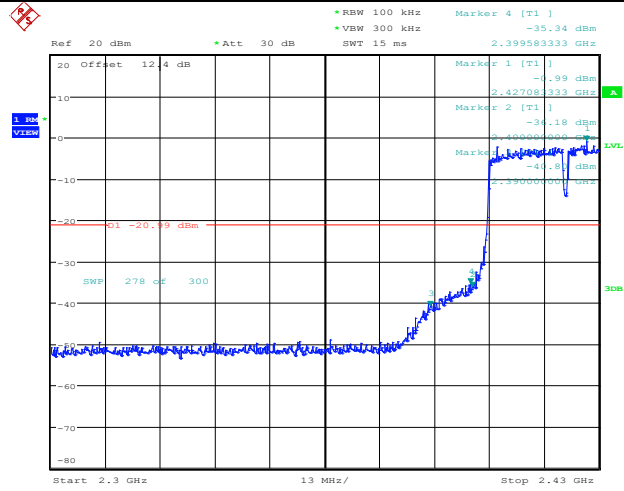
Date: 29.SEP.2021 17:00:10

### 11N20\_High\_2462



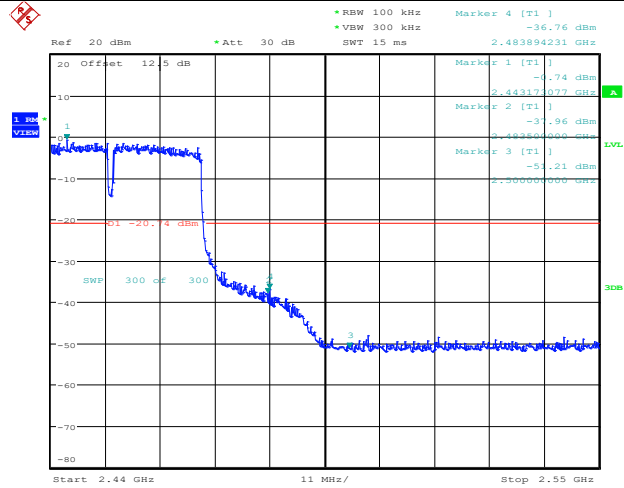
Date: 29.SEP.2021 17:10:01

### 11N40\_Low\_2422



Date: 29.SEP.2021 17:55:23

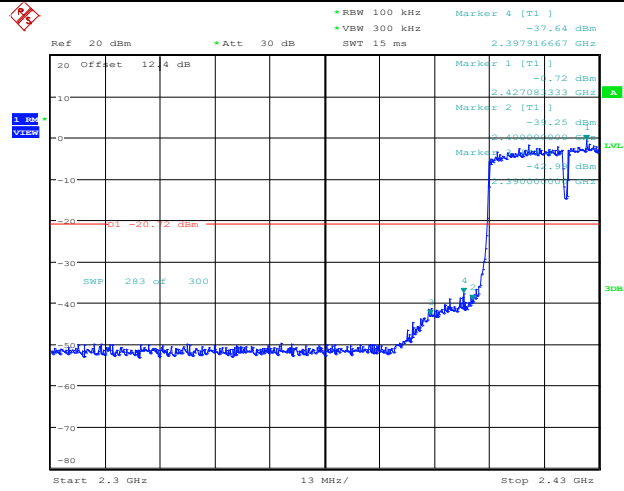
### 11N40\_High\_2452



Date: 29.SEP.2021 18:04:07

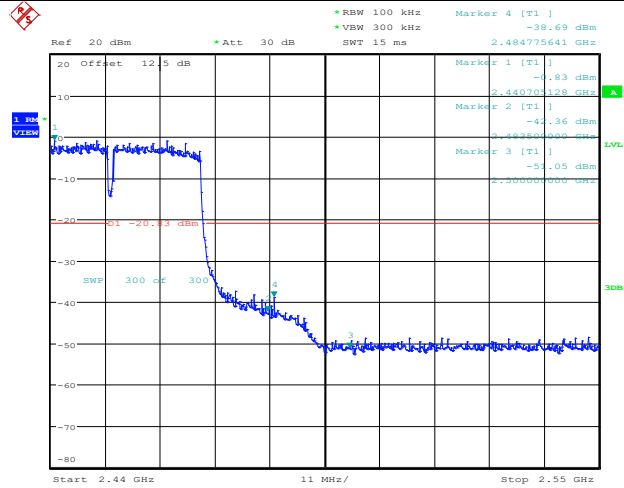


### 11AC40\_Low\_2422



Date: 29.SEP.2021 20:45:18

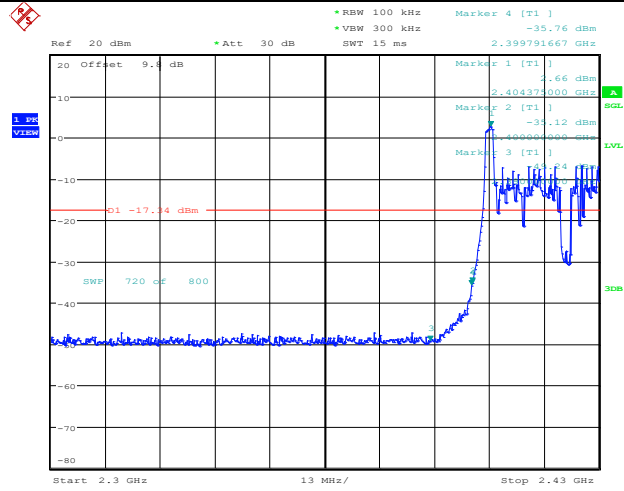
### 11AC40\_High\_2452



Date: 29.SEP.2021 20:53:33

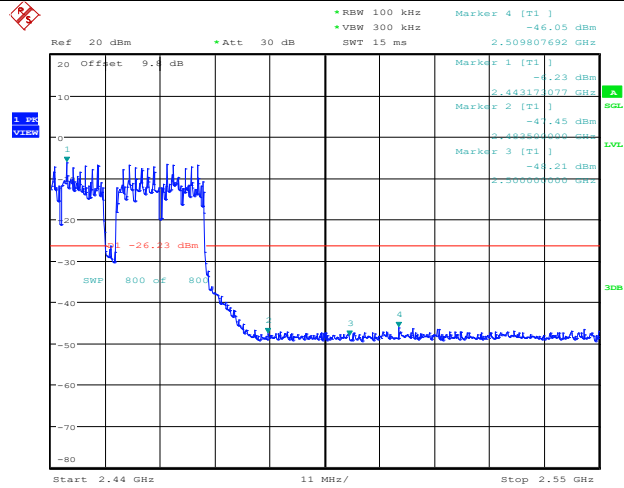


### 11AX40\_Low\_2422\_RU26



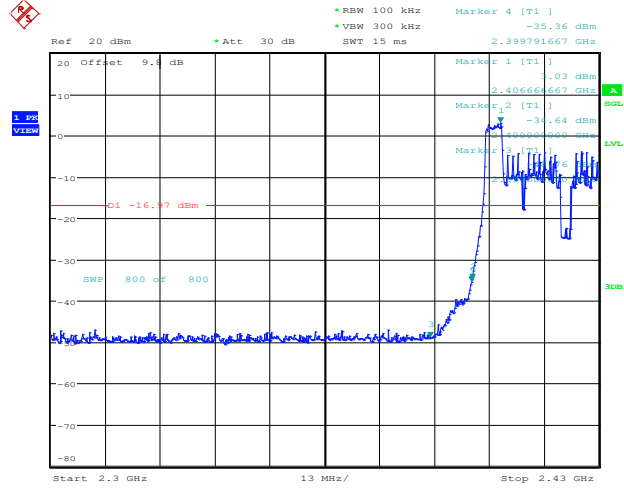
Date: 9.OCT.2021 19:23:32

### 11AX40\_High\_2452\_RU26



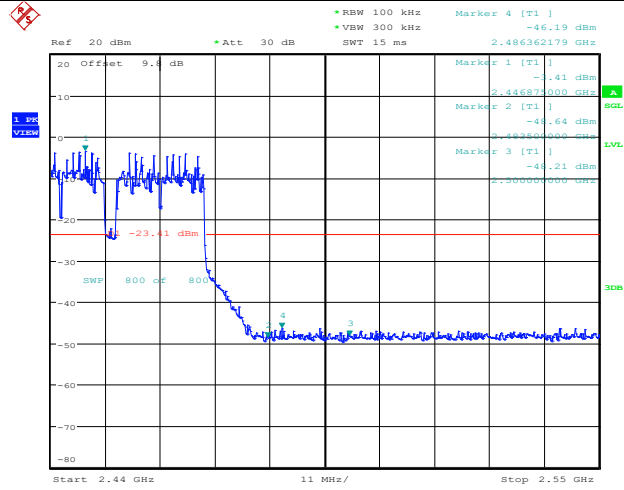
Date: 9.OCT.2021 19:25:25

### 11AX40\_Low\_2422\_RU52



Date: 9.OCT.2021 19:42:44

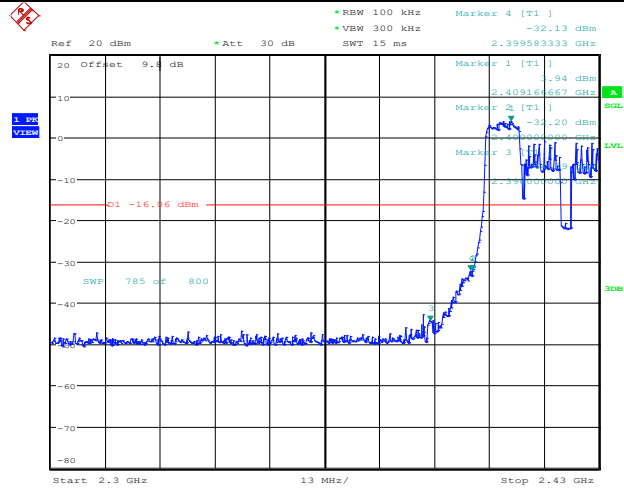
### 11AX40\_High\_2452\_RU52



Date: 9.OCT.2021 19:43:32

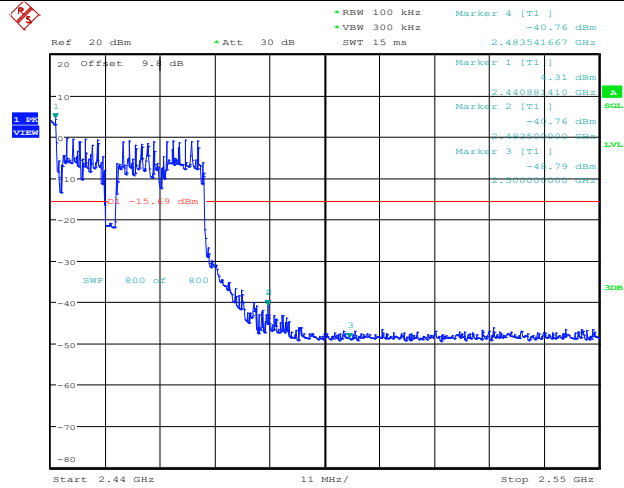


### 11AX40\_Low\_2422\_RU106



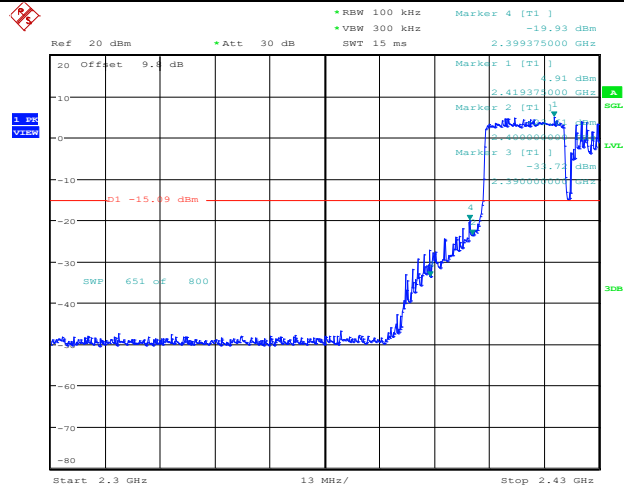
Date: 9.OCT.2021 19:53:13

### 11AX40\_High\_2452\_RU106



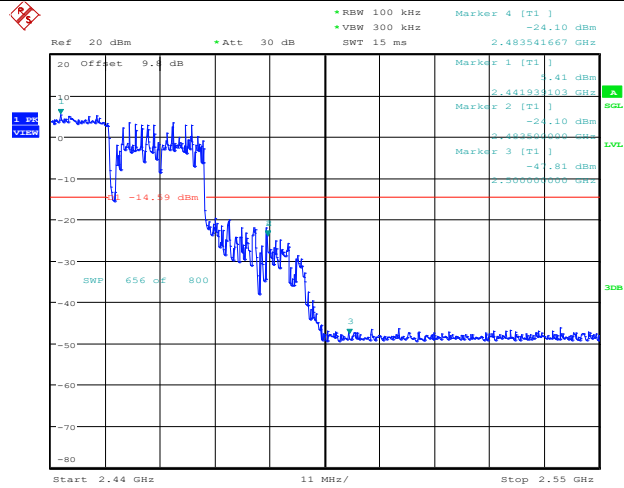
Date: 9.OCT.2021 19:53:49

### 11AX40\_Low\_2422\_RU242



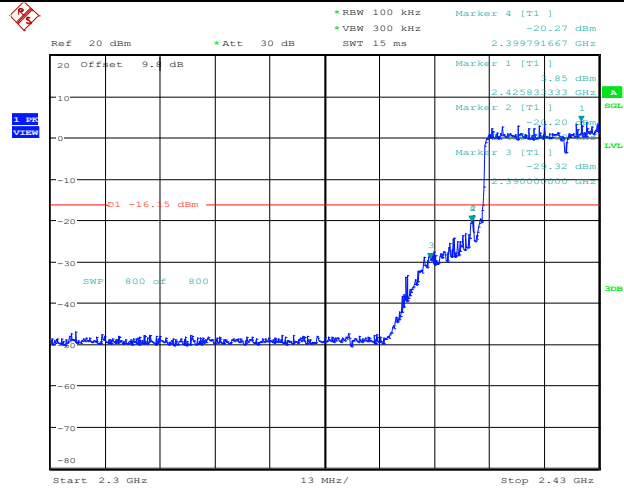
Date: 9.OCT.2021 20:03:35

### 11AX40\_High\_2452\_RU242



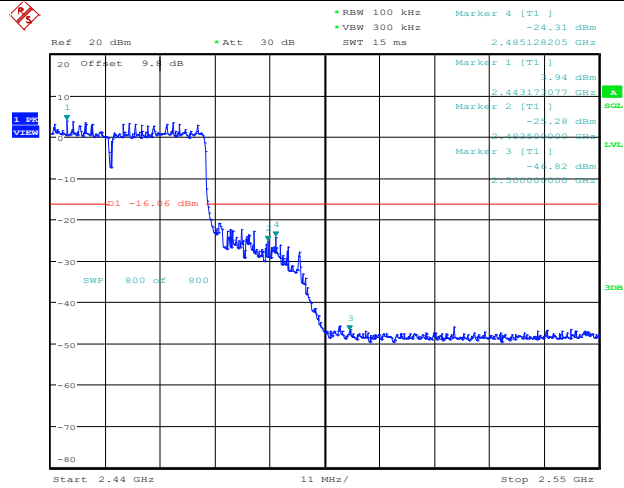
Date: 9.OCT.2021 20:04:08

### 11AX40\_Low\_2422\_RU484



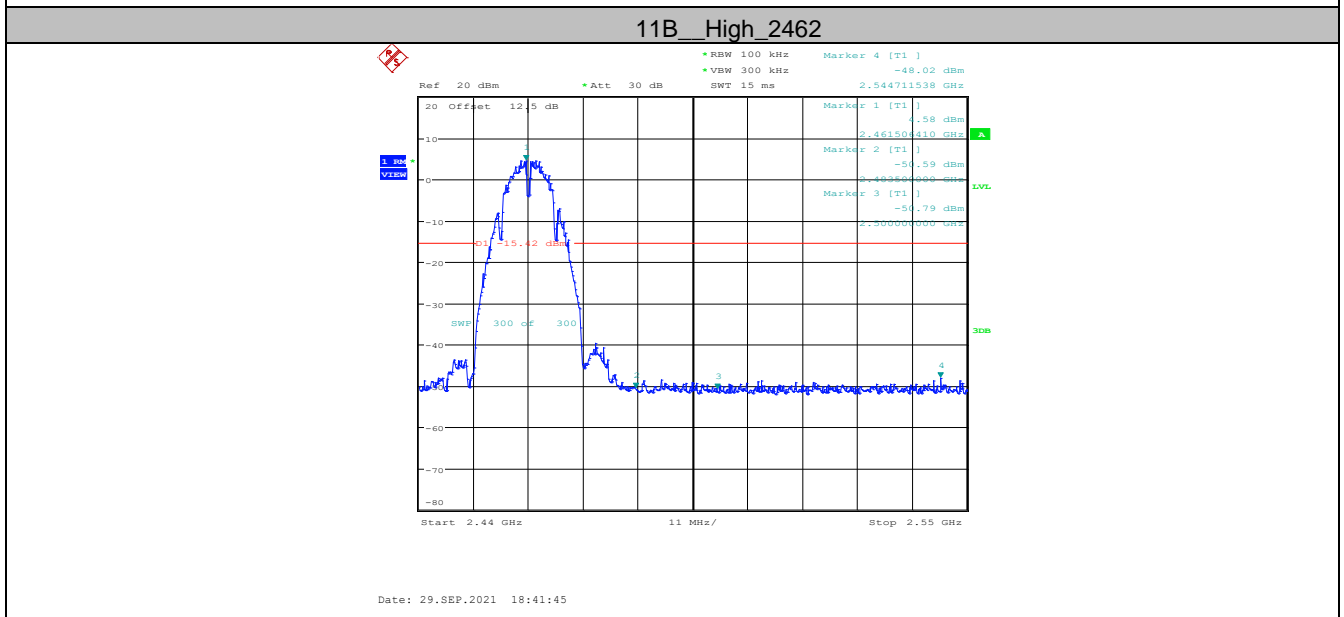
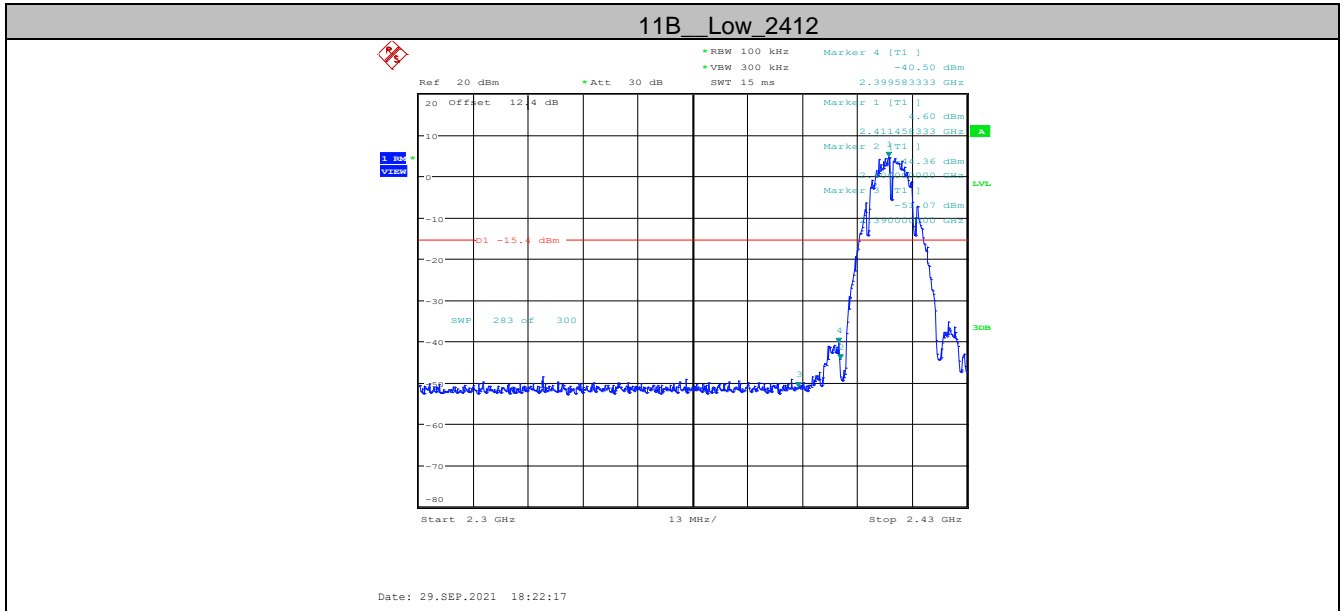
Date: 9.OCT.2021 20:07:52

### 11AX40\_High\_2452\_RU484

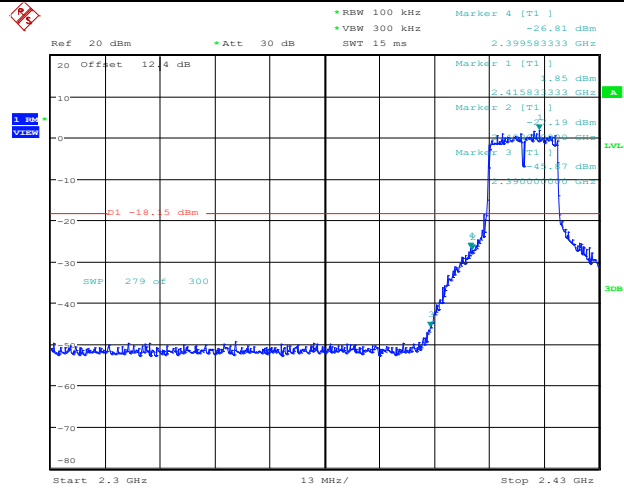


Date: 9.OCT.2021 20:08:27

# Band Edge ANT1

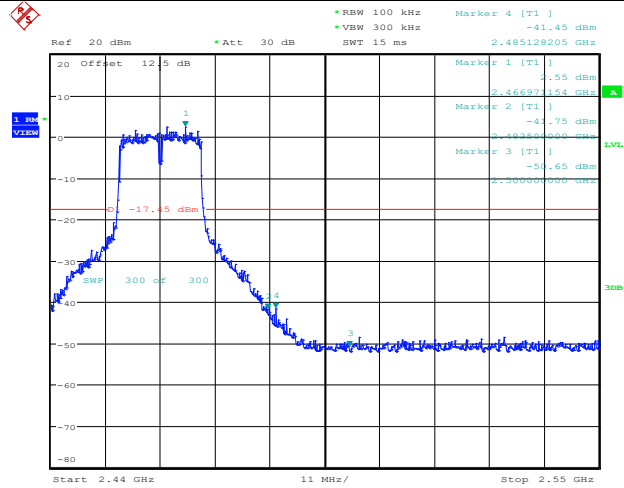


### 11G\_Low\_2412



Date: 29.SEP.2021 18:45:43

### 11G\_High\_2462



Date: 29.SEP.2021 18:58:49