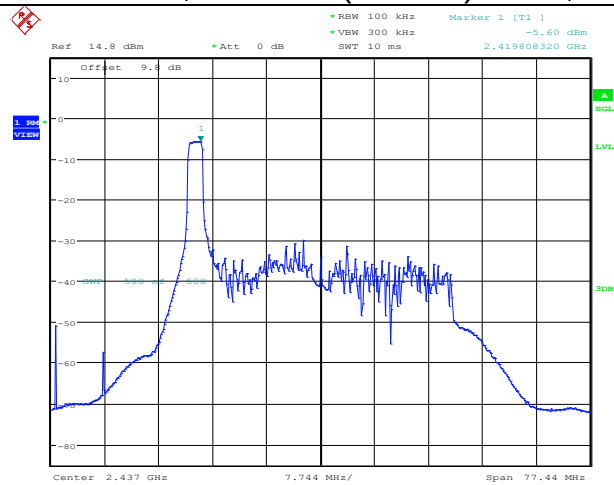
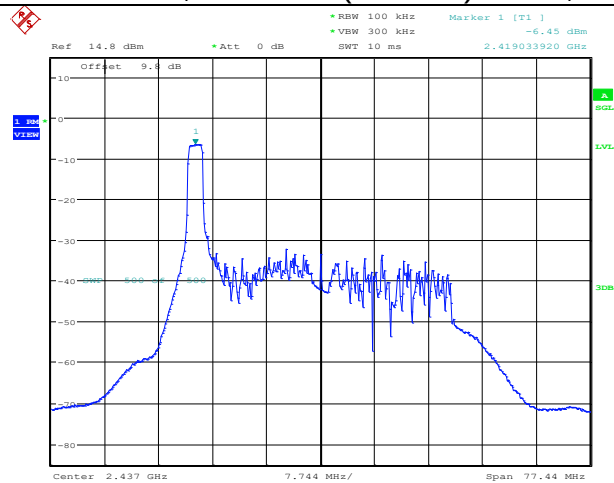


2437MHz, 802.11ax (HEW40) RU26,ANT 0



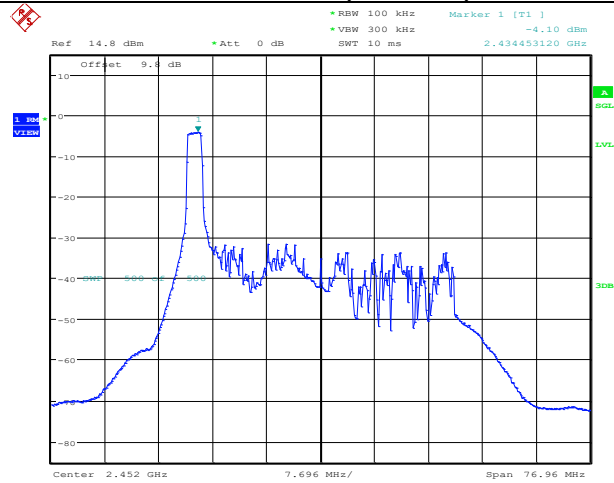
Date: 9.OCT.2021 19:22:13

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

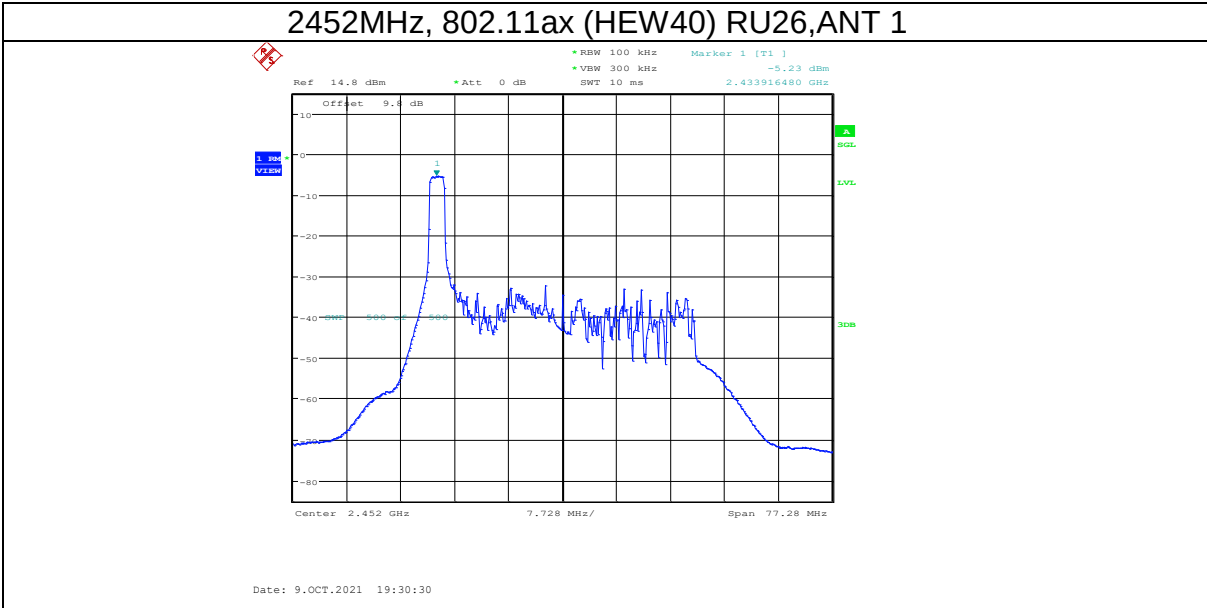


Date: 9.OCT.2021 19:29:17

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

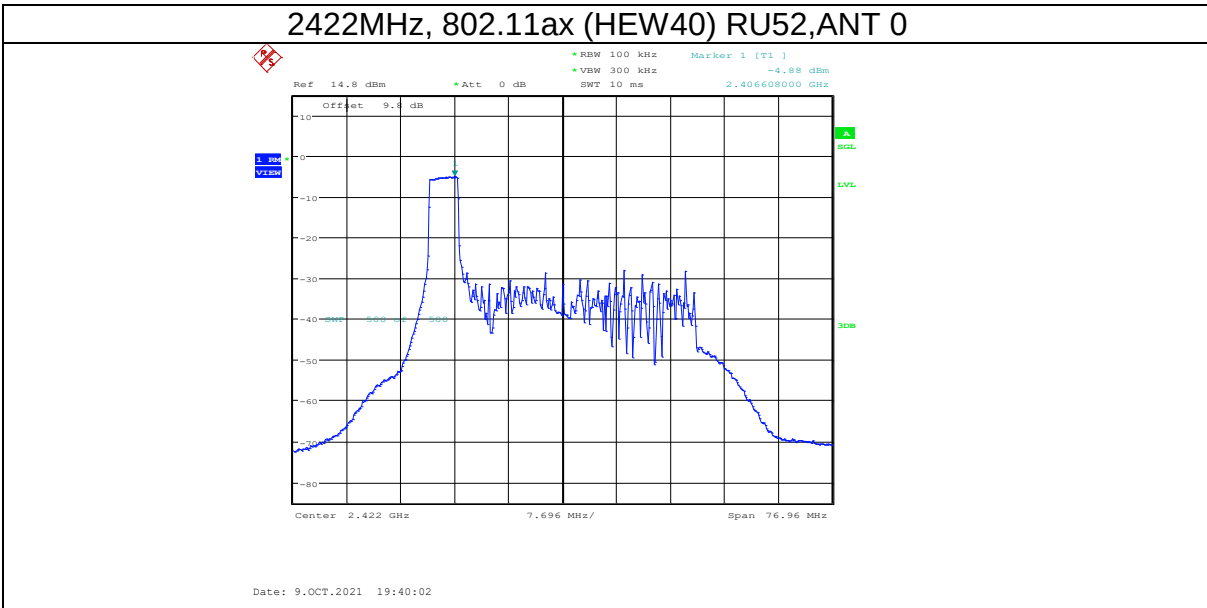


Date: 9.OCT.2021 19:22:46

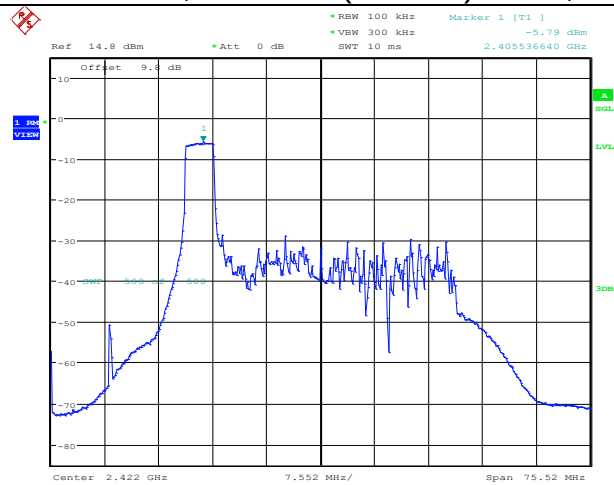


802.11ax (HEW40) RU52 Mode

Frequency (MHz)	Measured		Duty Factor	Total PSD with Duty Factor	Limit	Verdict
	ANT 0 dBm	ANT 1 dBm		dBm	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

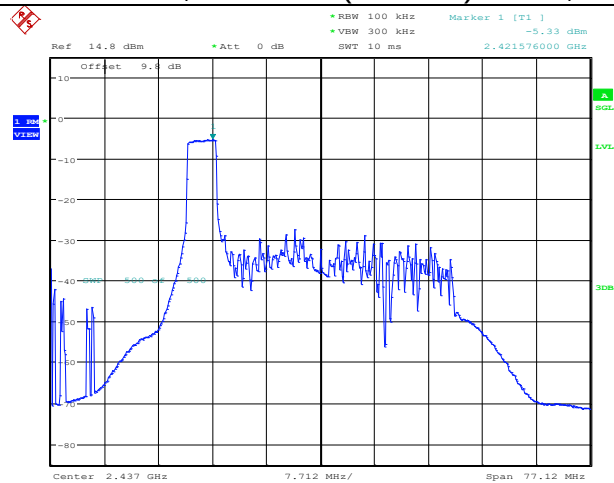


2422MHz, 802.11ax (HEW40) RU52,ANT 1



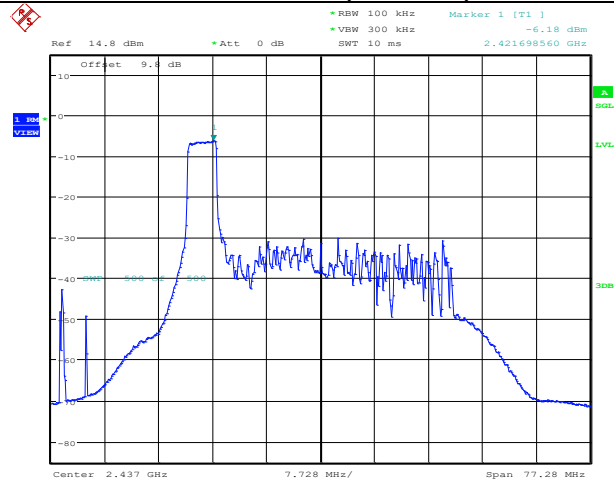
Date: 9.OCT.2021 19:45:14

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

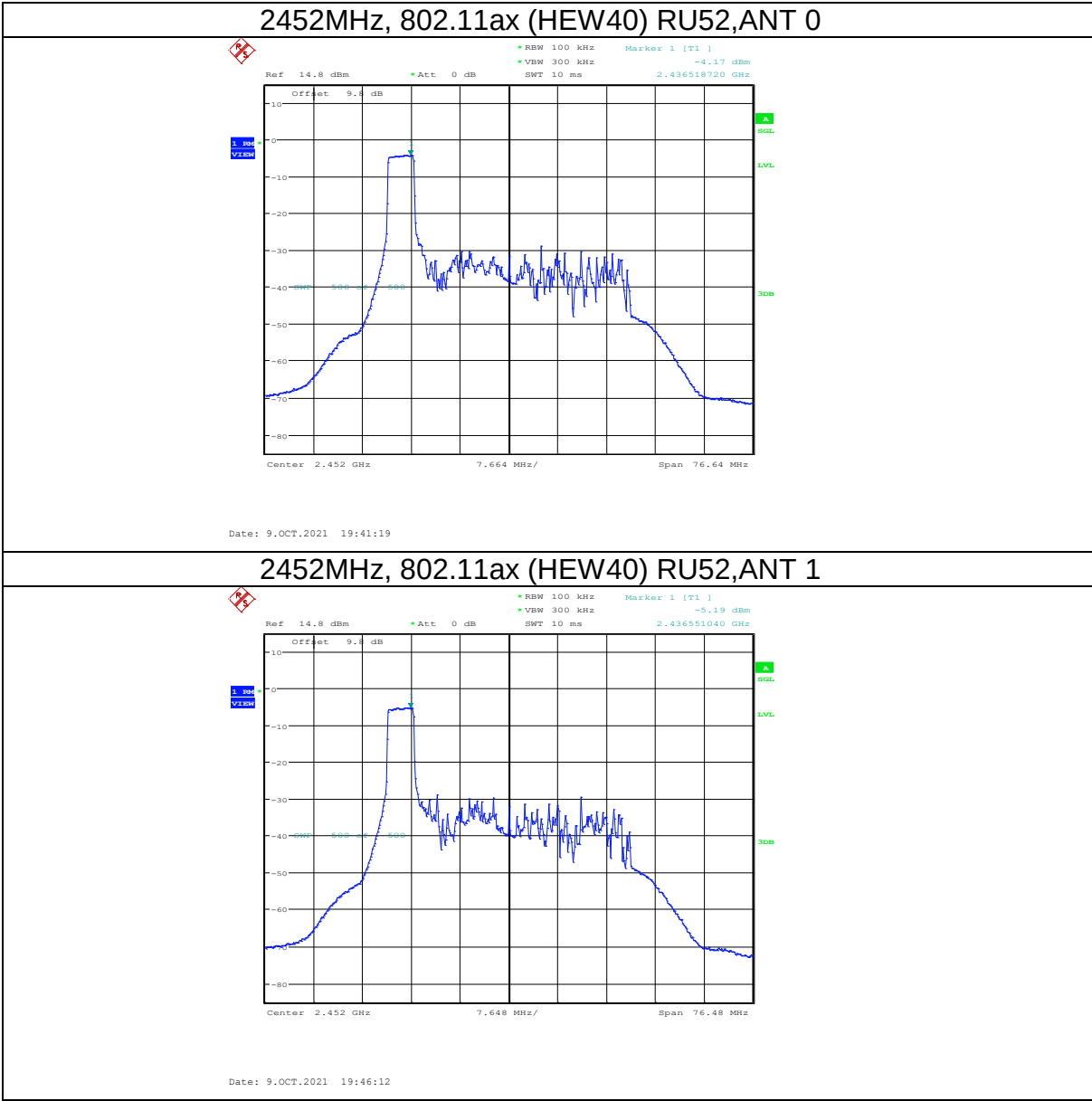


Date: 9.OCT.2021 19:40:40

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



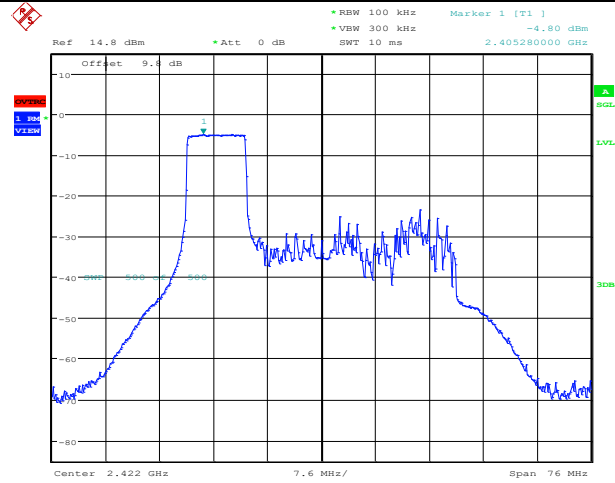
Date: 9.OCT.2021 19:45:46



802.11ax (HEW40) RU106 Mode

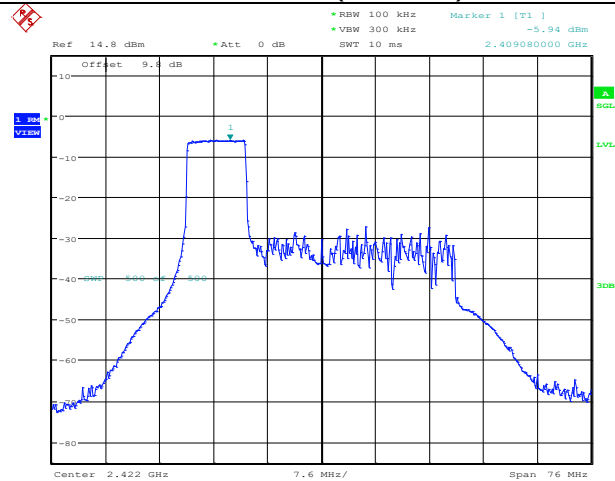
Frequency (MHz)	Measured		Duty Factor	Total PSD with Duty Factor	Limit	Verdict
	ANT 0 dBm	ANT 1 dBm		dBm	dBm	
2422	-4.8	-5.94	0	-2.32	8	PASS
2437	-4.68	-5.28	0	-1.96	8	PASS
2452	-3.84	-4.89	0	-1.32	8	PASS

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



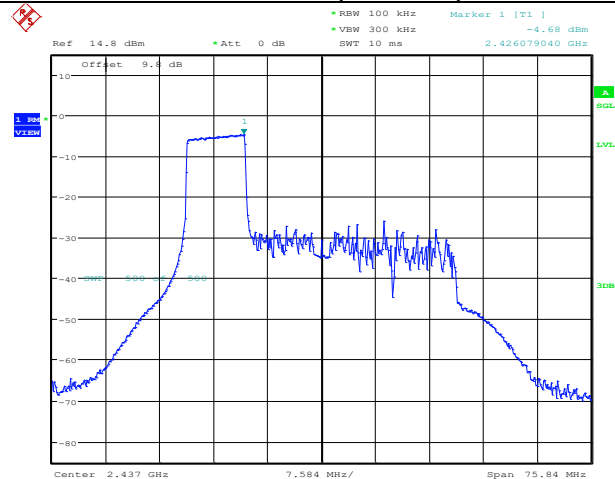
Date: 9.OCT.2021 19:51:10

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



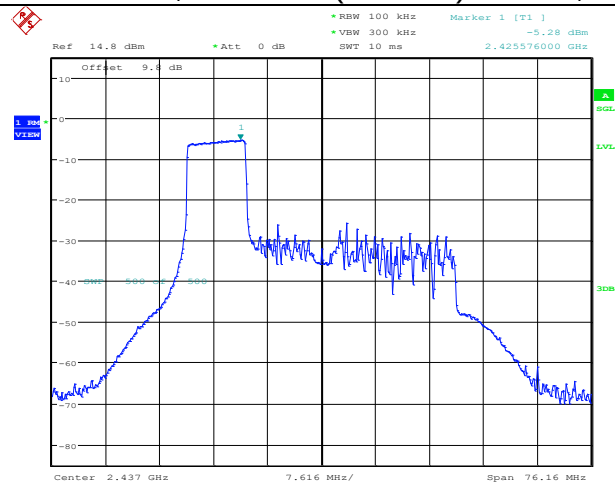
Date: 9.OCT.2021 19:54:44

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



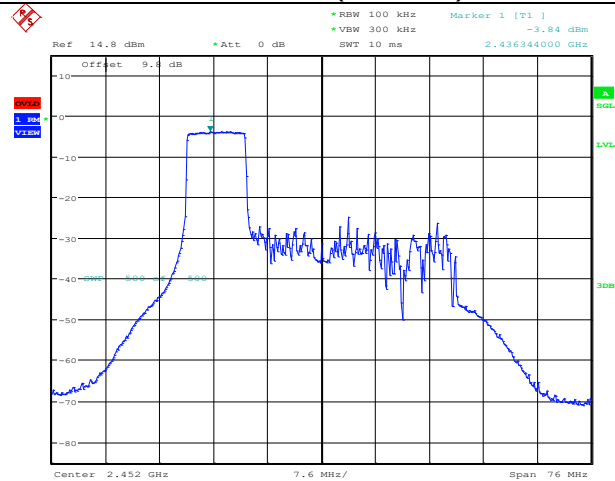
Date: 9.OCT.2021 19:52:00

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



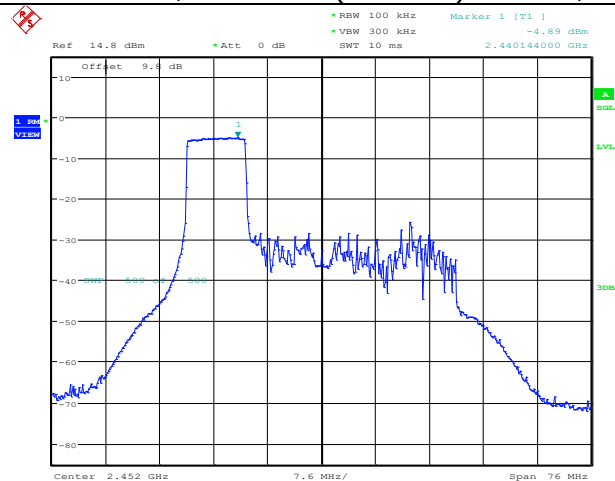
Date: 9.OCT.2021 19:55:16

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



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

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

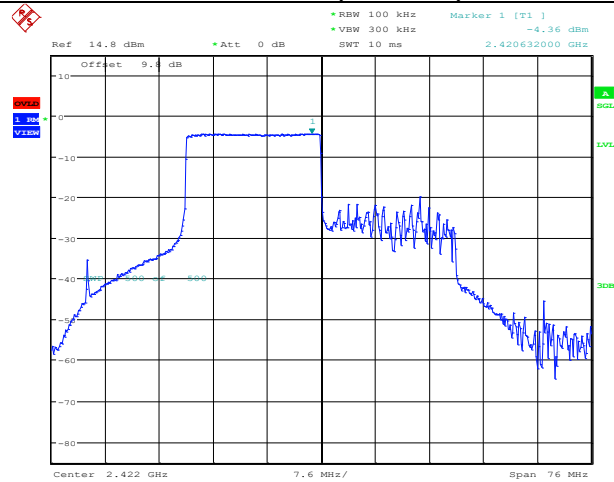


Date: 9.OCT.2021 19:55:49

802.11ax (HEW40) RU242 Mode

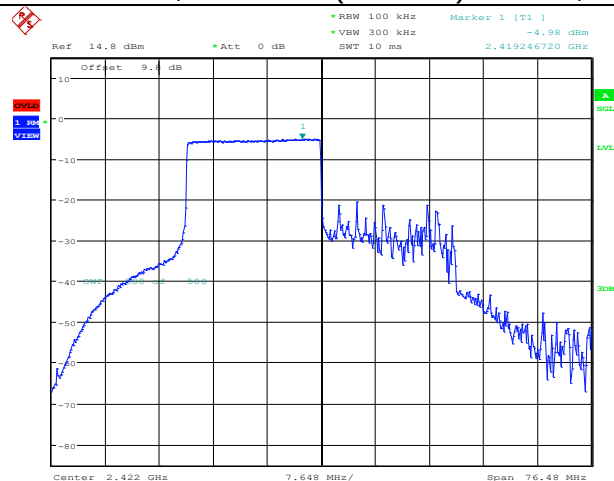
Frequency (MHz)	Measured		Duty Factor	Total PSD with Duty Factor	Limit	Verdict
	ANT 0 dBm	ANT 1 dBm		dBm	dBm	
2422	-4.36	-4.98	0	-1.65	8	PASS
2437	-3.12	-4.18	0	-0.61	8	PASS
2452	-3.24	-4.5	0	-0.81	8	PASS

2422MHz, 802.11ax (HEW40) RU242,ANT 0



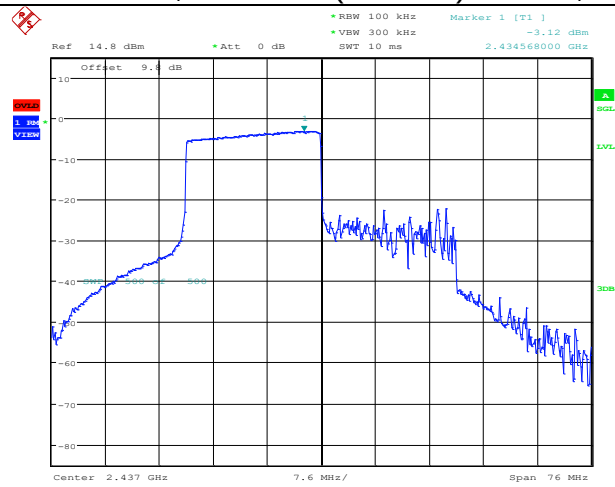
Date: 9.OCT.2021 20:02:06

2422MHz, 802.11ax (HEW40) RU242,ANT 1



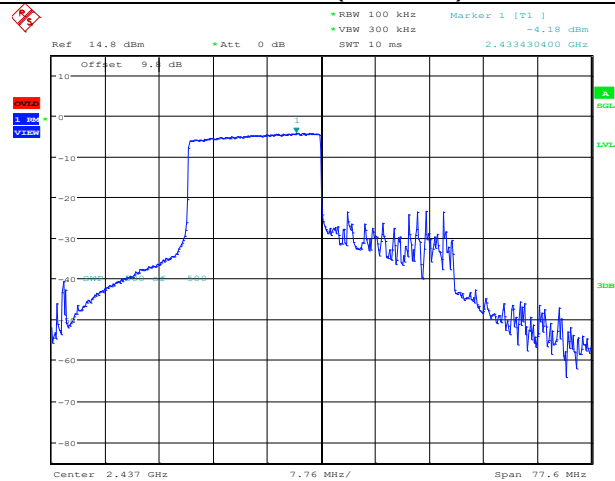
Date: 9.OCT.2021 19:58:49

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



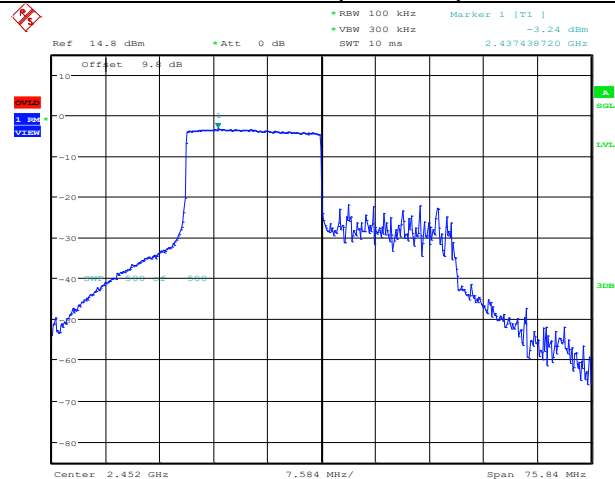
Date: 9.OCT.2021 20:02:31

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

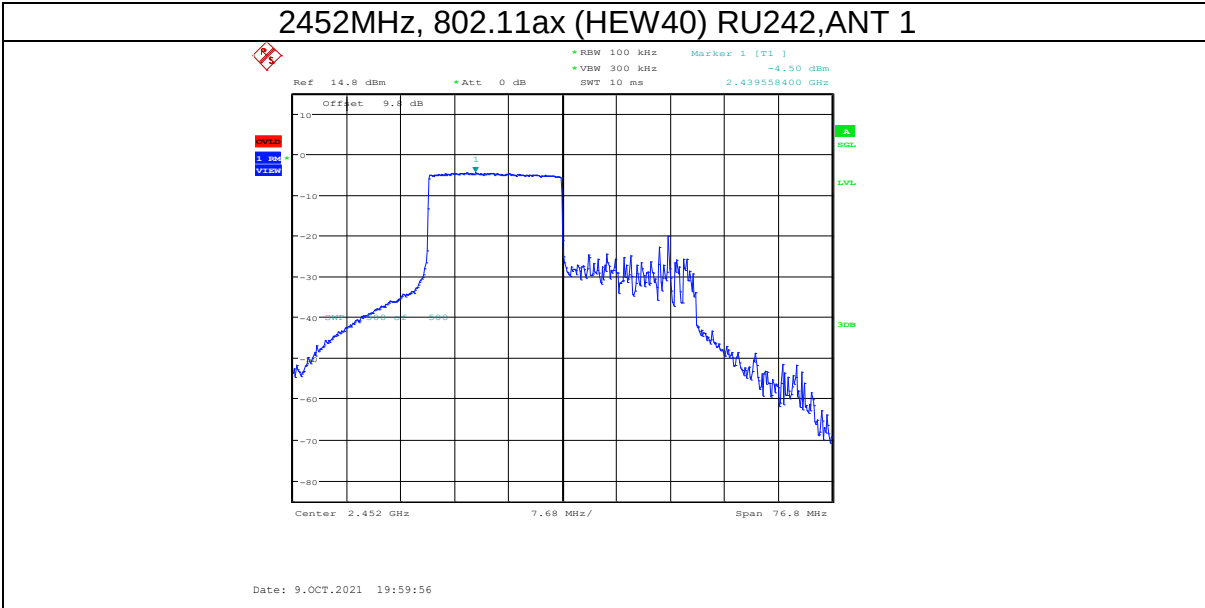


Date: 9.OCT.2021 19:59:22

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

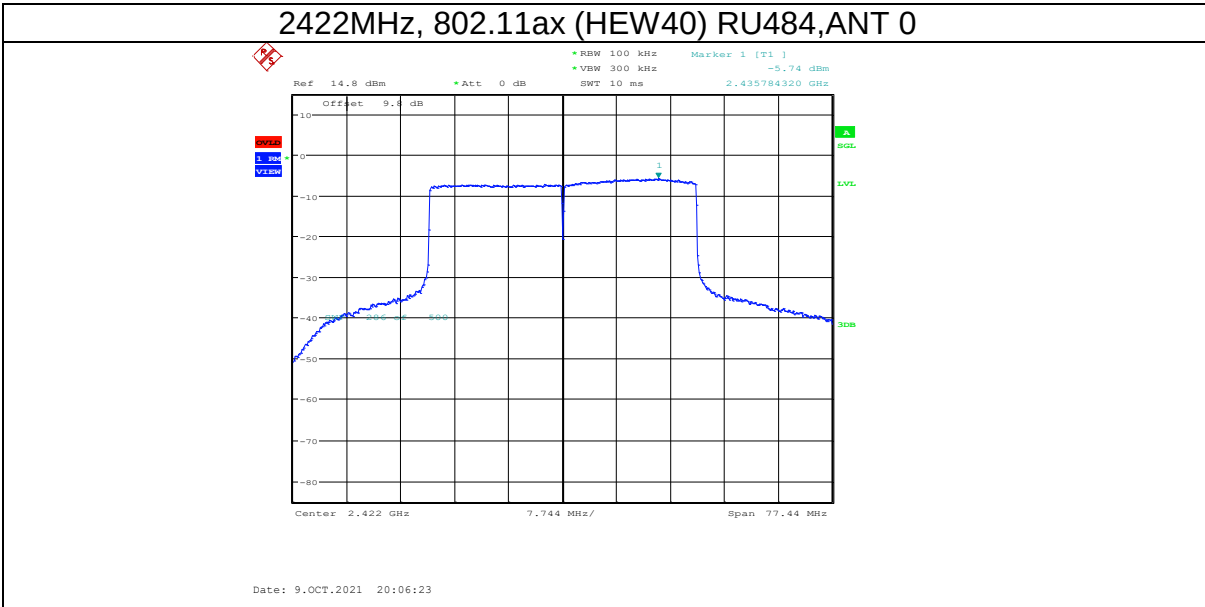


Date: 9.OCT.2021 20:02:59

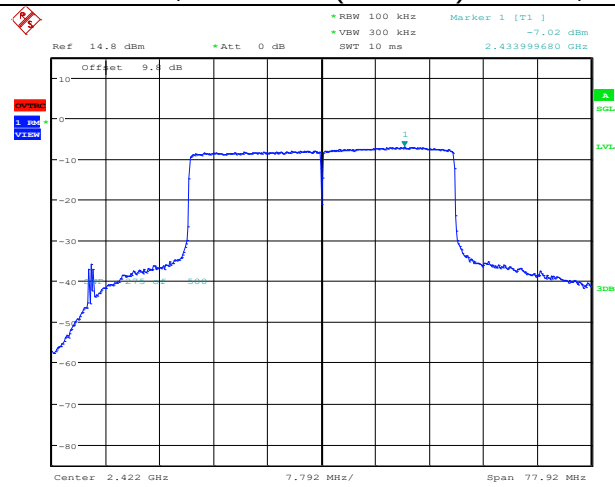


802.11ax (HEW40) RU484 Mode

Frequency (MHz)	Measured		Duty Factor	Total PSD with Duty Factor	Limit	Verdict
	ANT 0 dBm	ANT 1 dBm		dBm	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

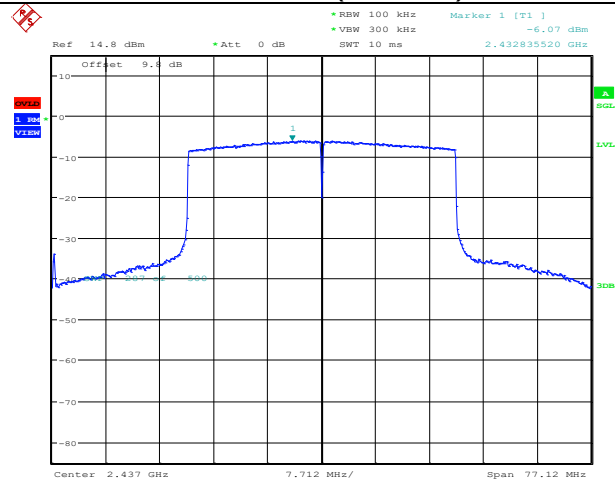


2422MHz, 802.11ax (HEW40) RU484,ANT 1



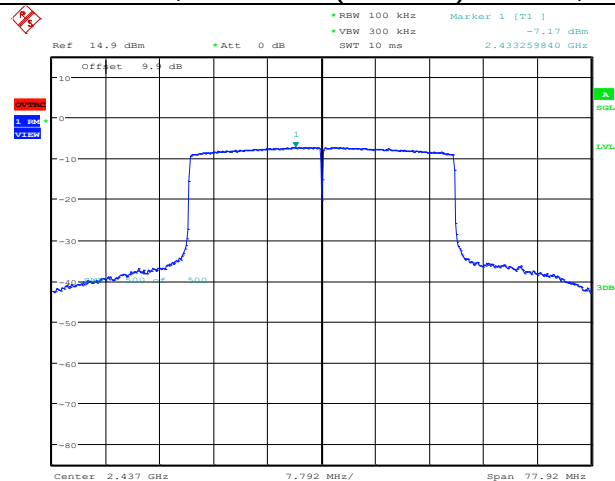
Date: 9.OCT.2021 20:09:22

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



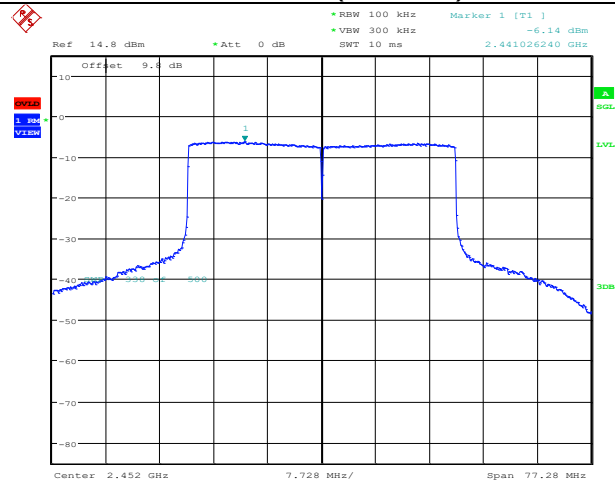
Date: 9.OCT.2021 20:06:47

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



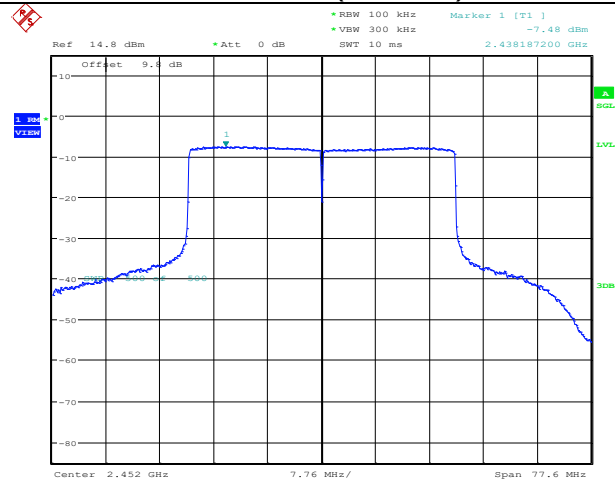
Date: 9.OCT.2021 20:09:59

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 ≥ 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.

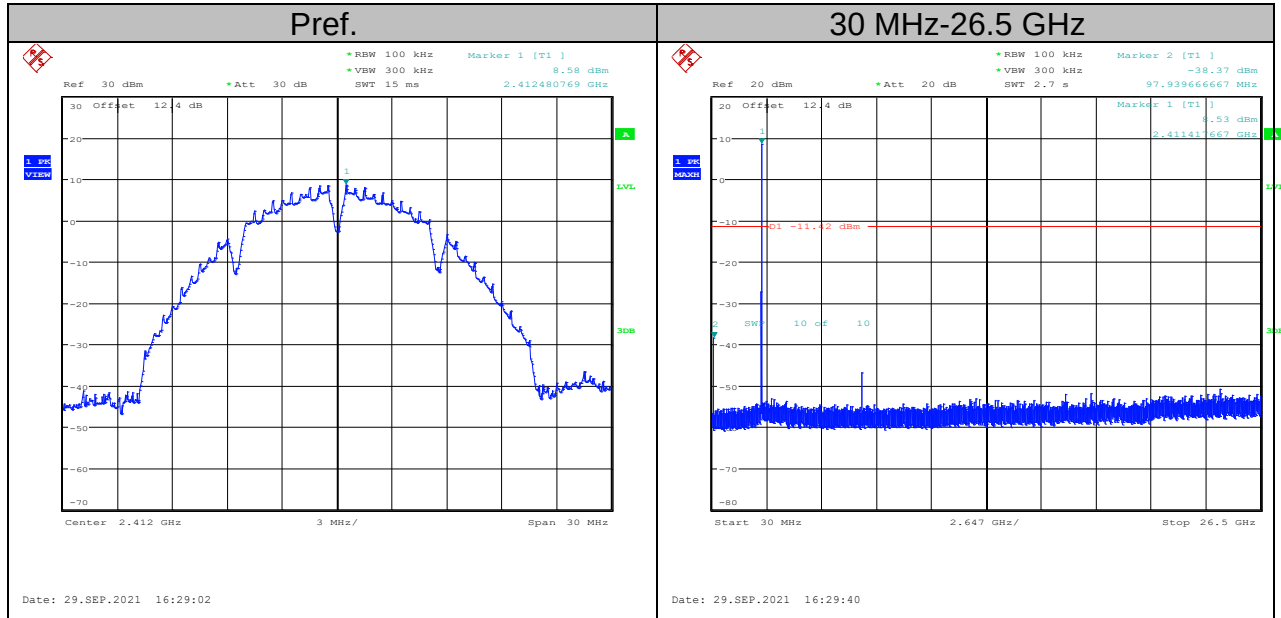
Emission level measurement

- 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.

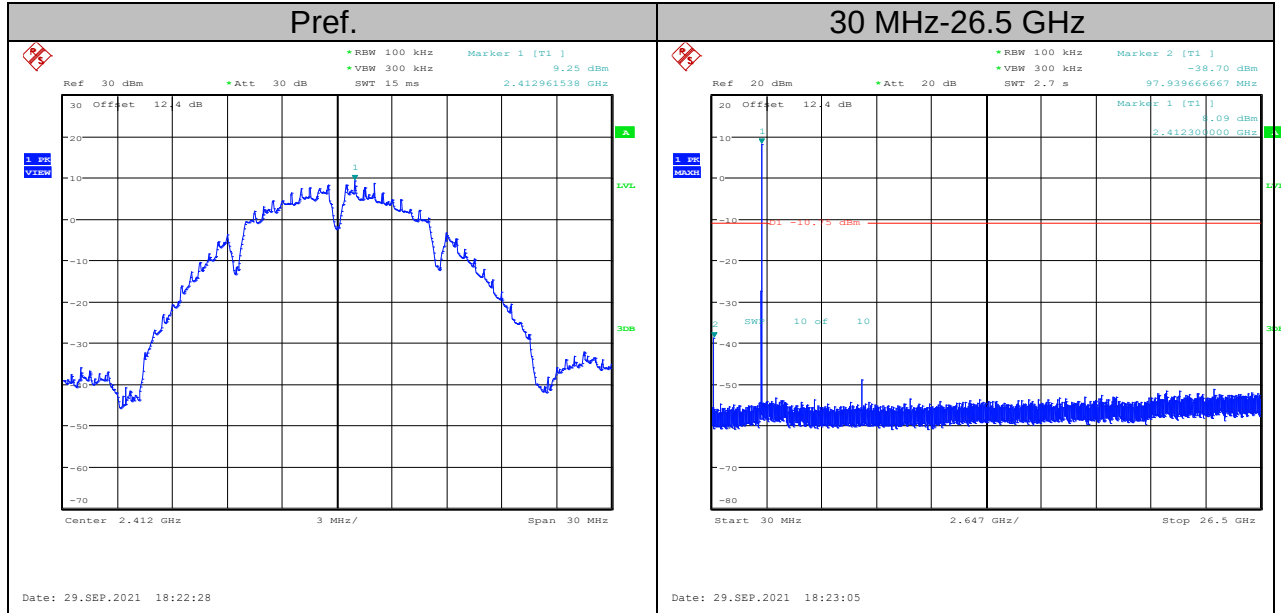
Test Result : All emission outside of 2400-2483.5 are lower at least 20dB than fundamental frequency.

9.3. TEST DATA

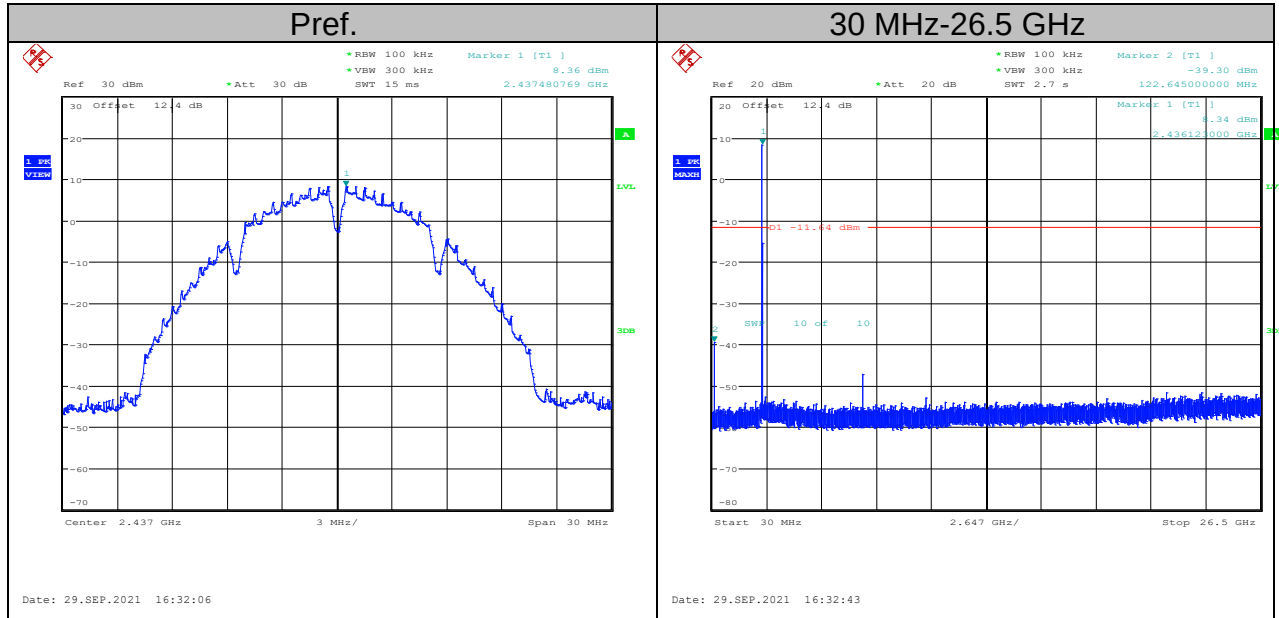
802.11b
Low Channel
ANT 0



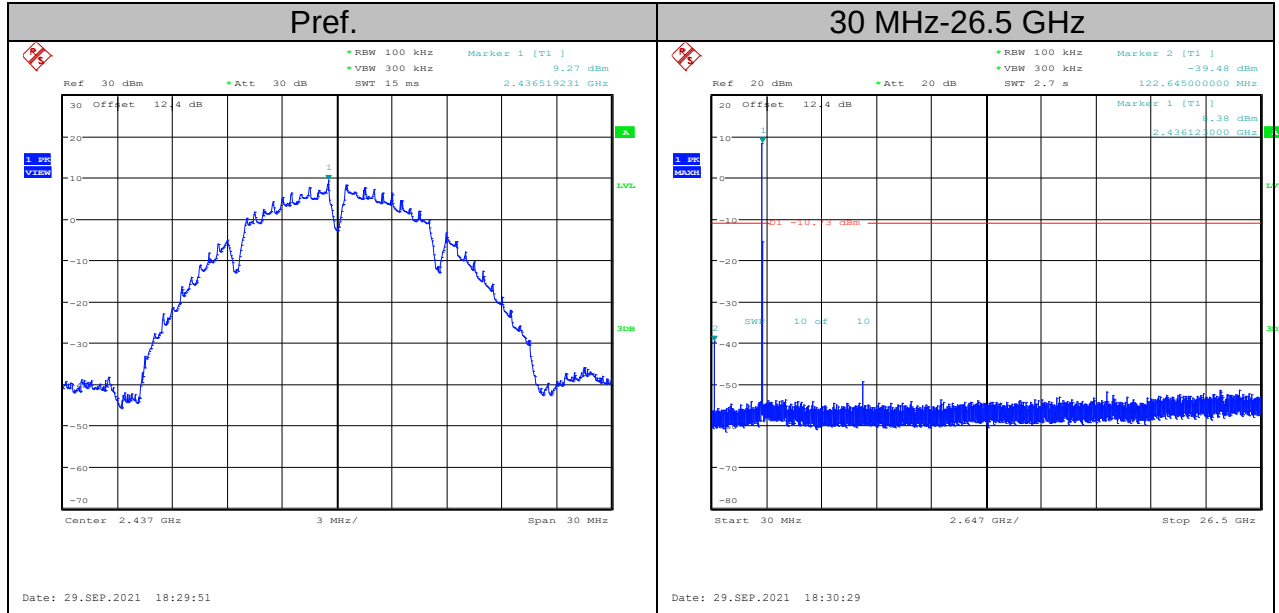
ANT 1



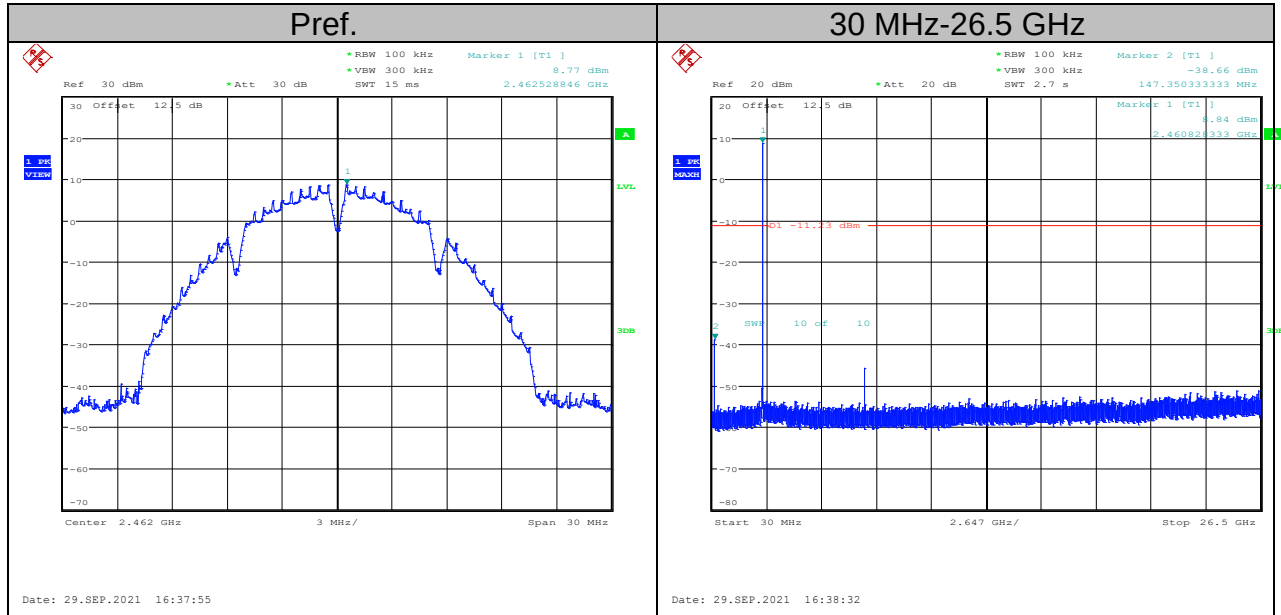
802.11b
Mid Channel
ANT 0



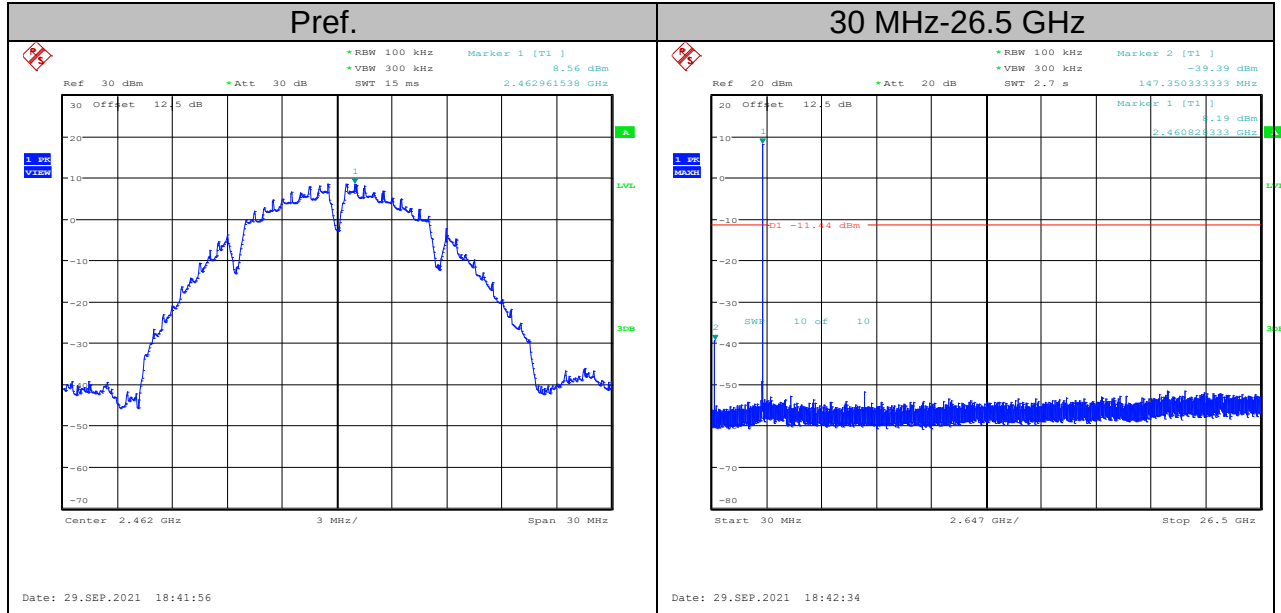
ANT 1



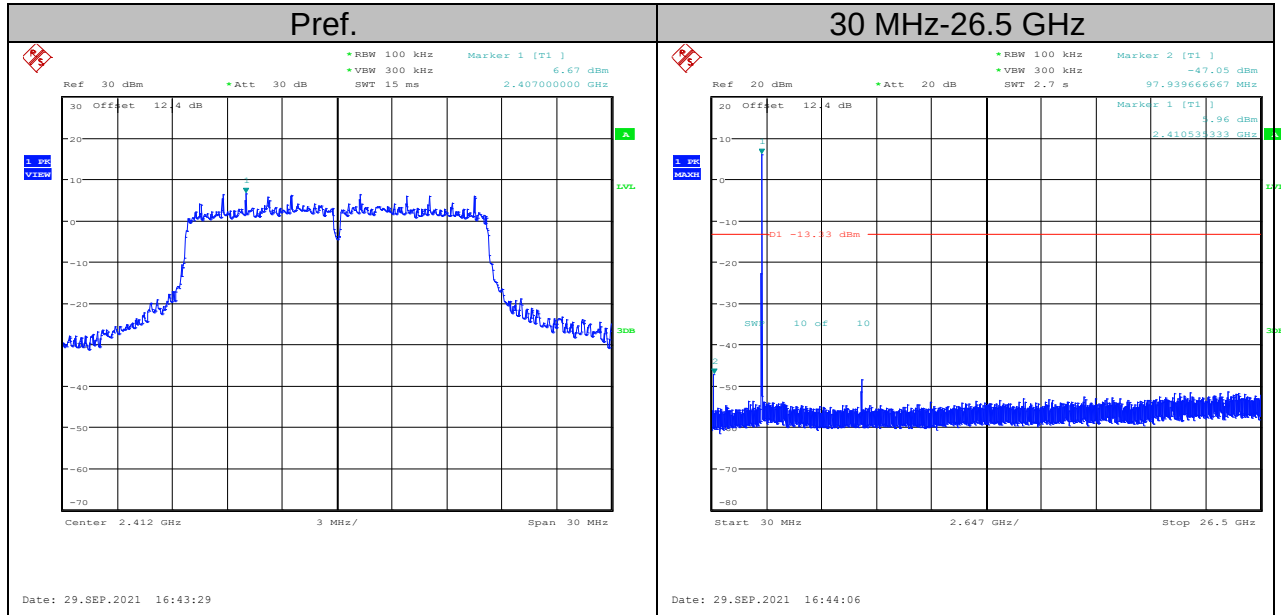
802.11b
High Channel
ANT 0



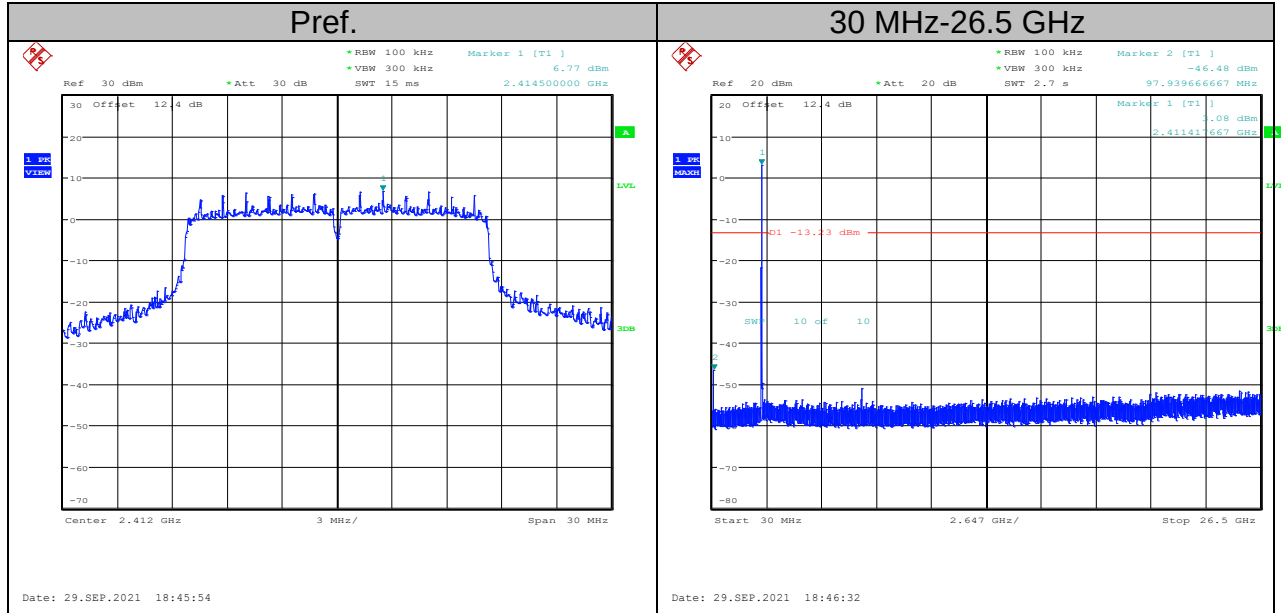
ANT 1



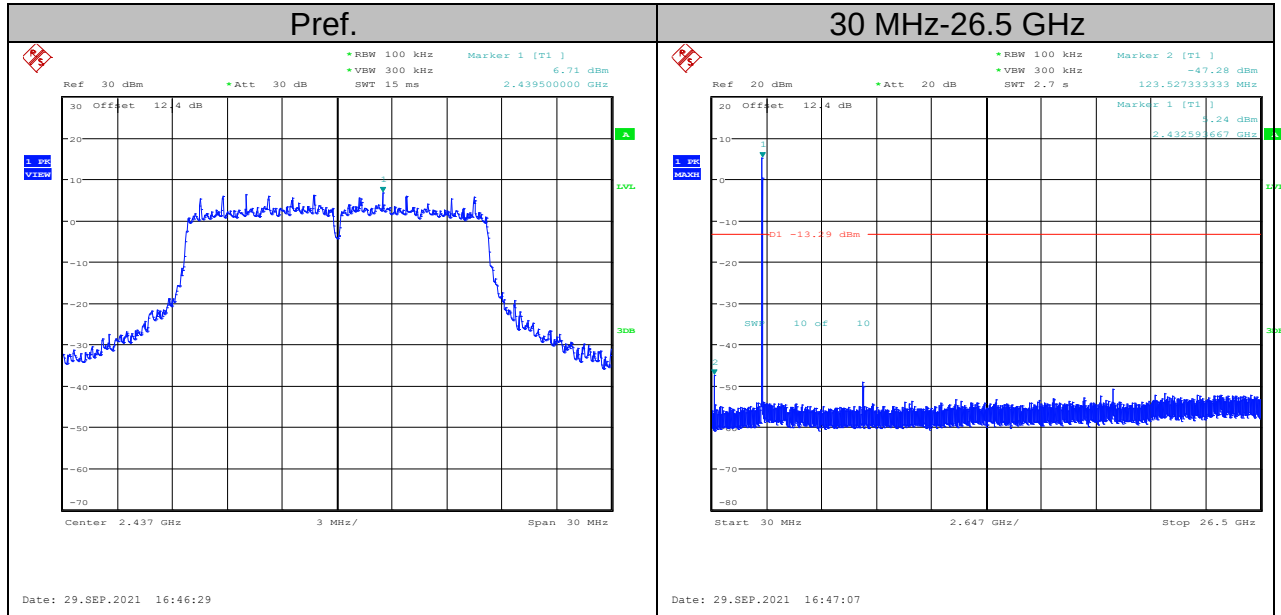
802.11g
Low Channel
ANT 0



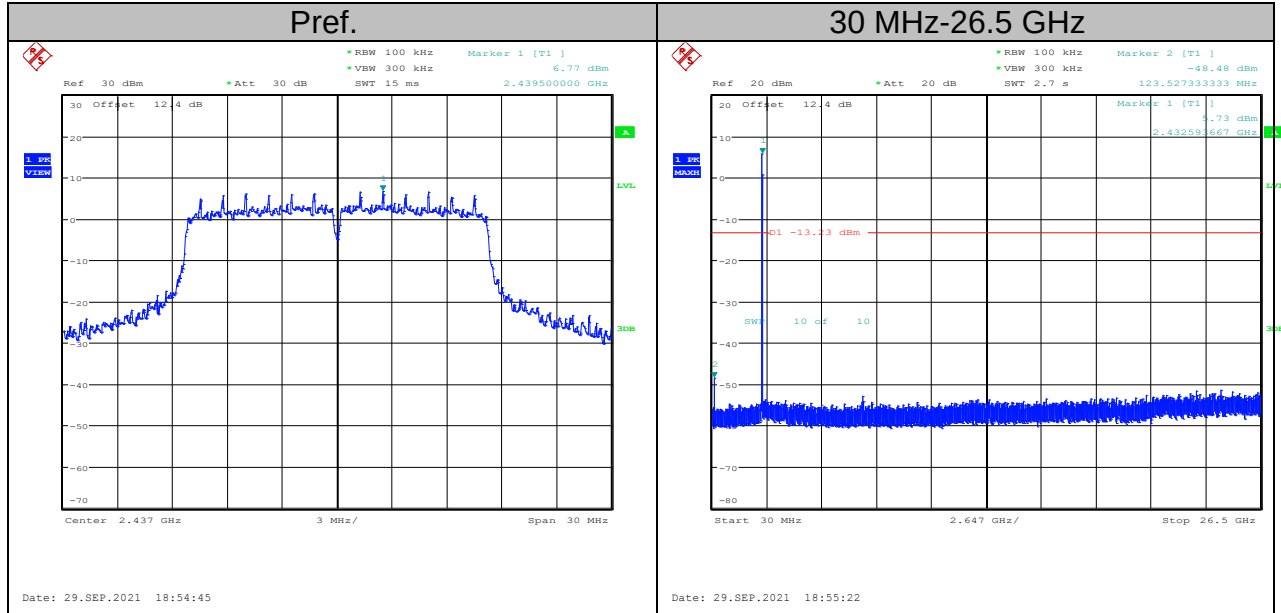
ANT 1



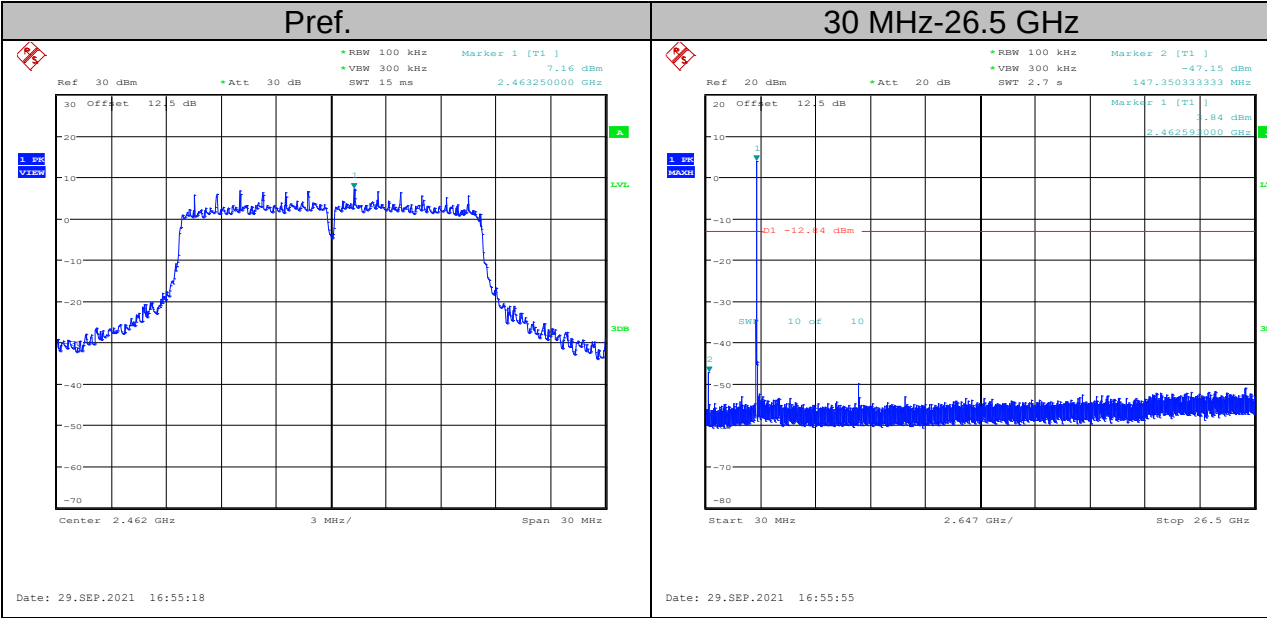
802.11g
Mid Channel
ANT 0



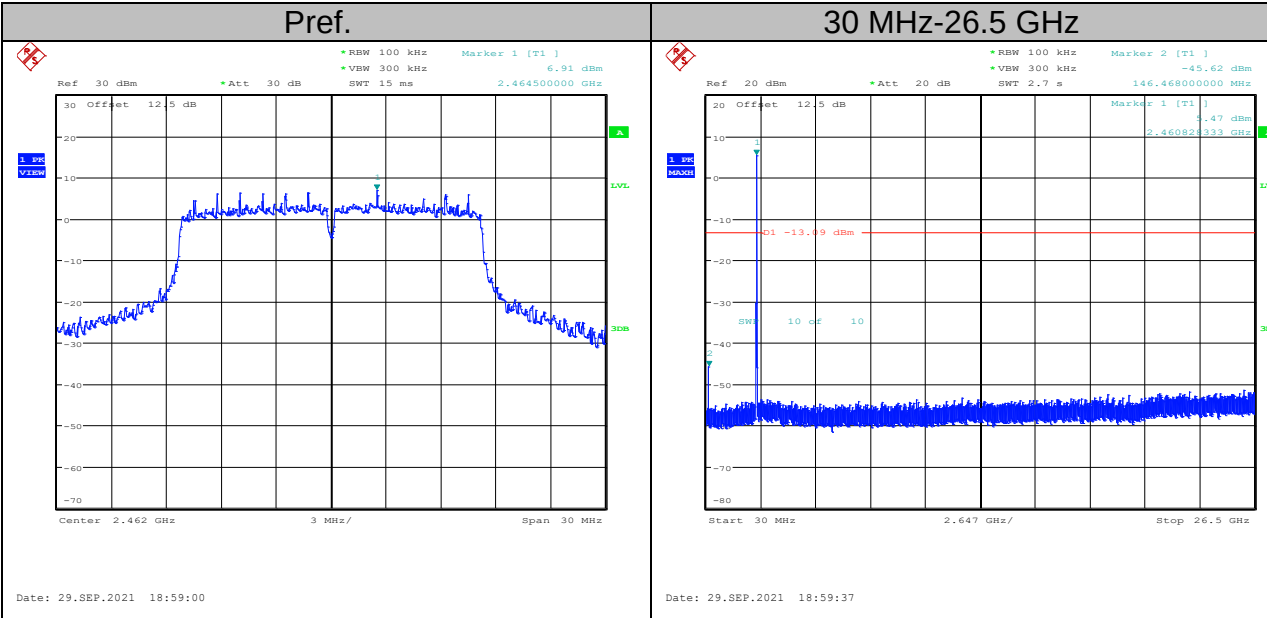
ANT 1



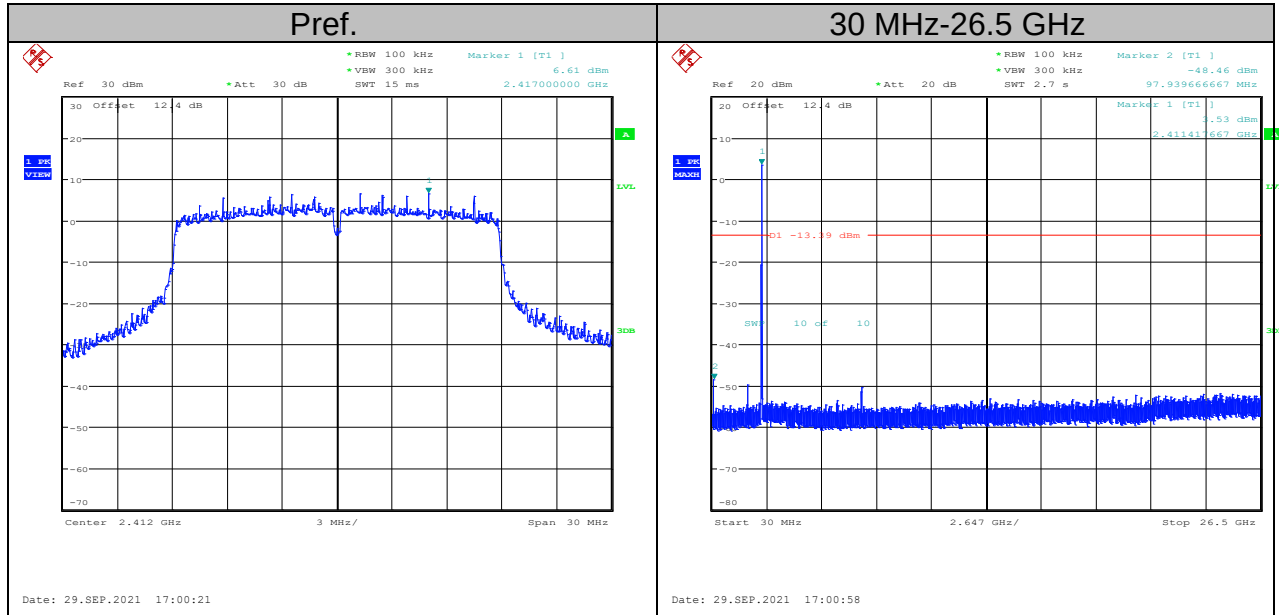
802.11g
High Channel
ANT 0



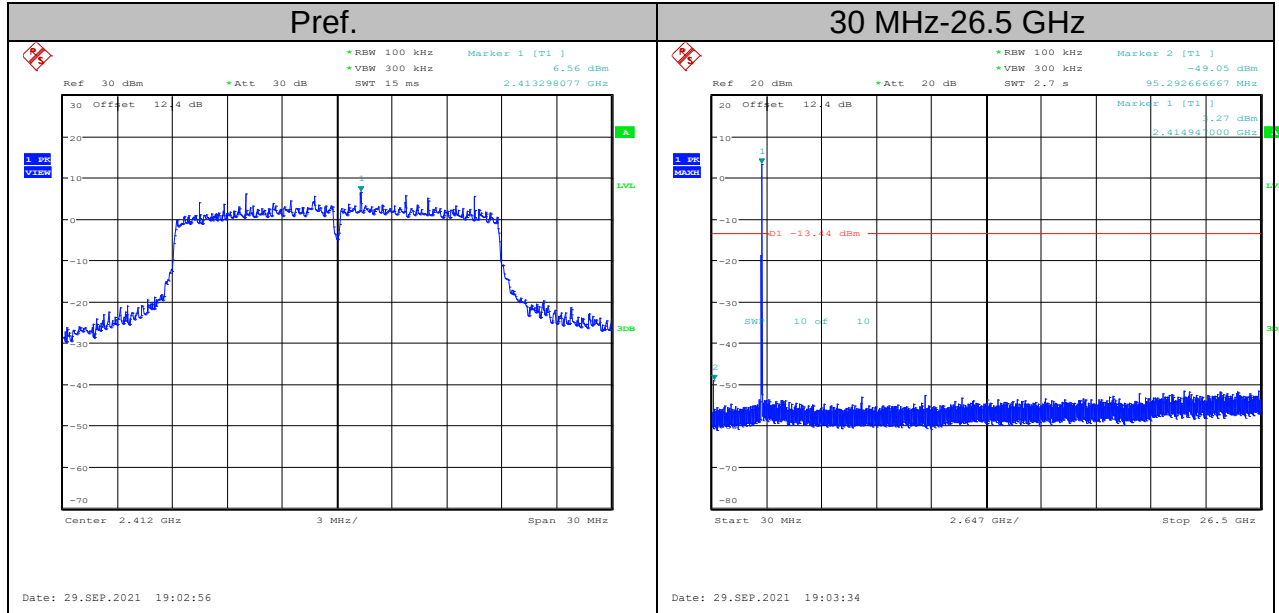
ANT 1



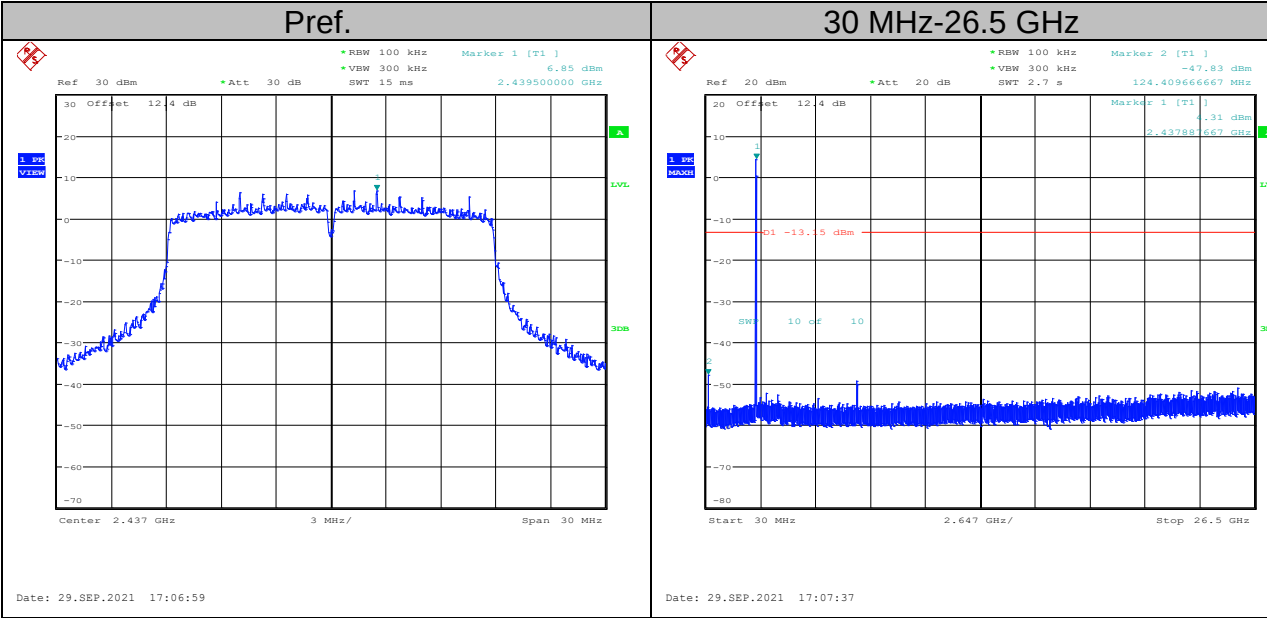
802.11n-HT20
Low Channel
ANT 0



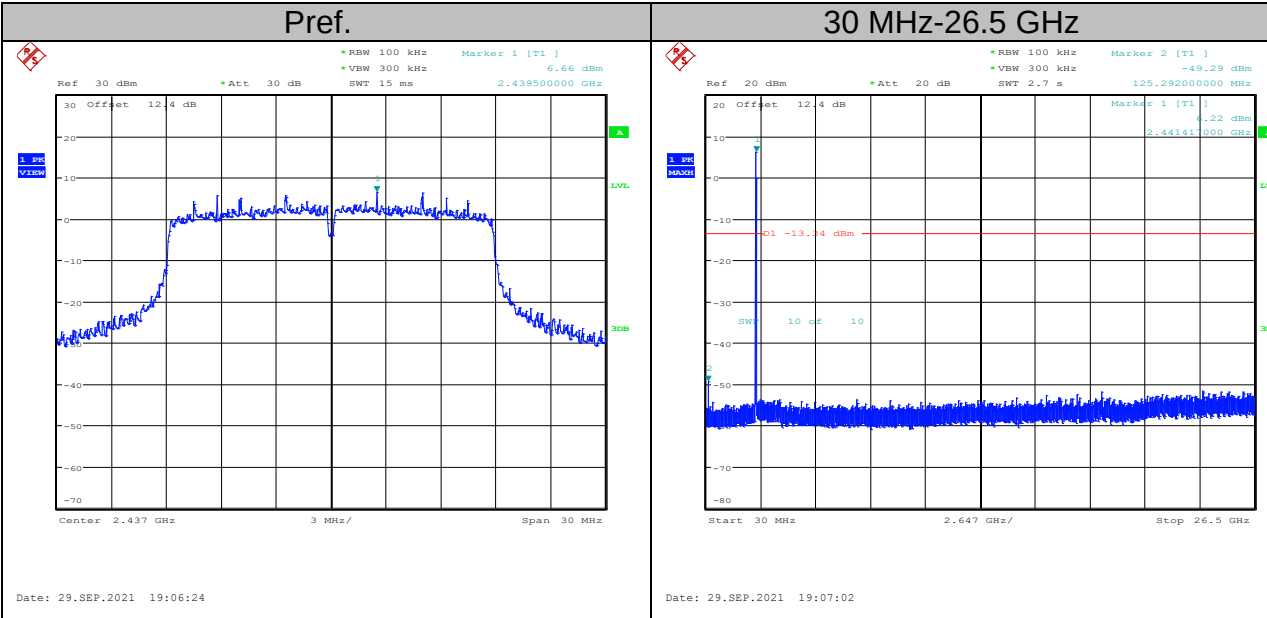
ANT 1



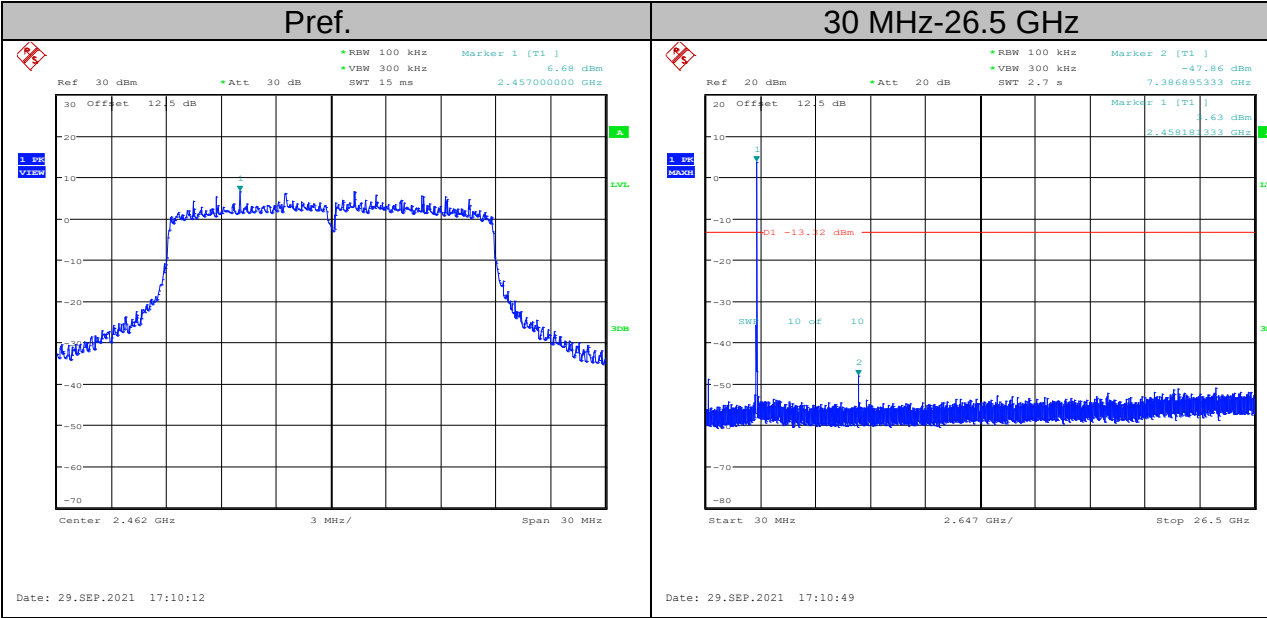
802.11n-HT20
Mid Channel
ANT 0



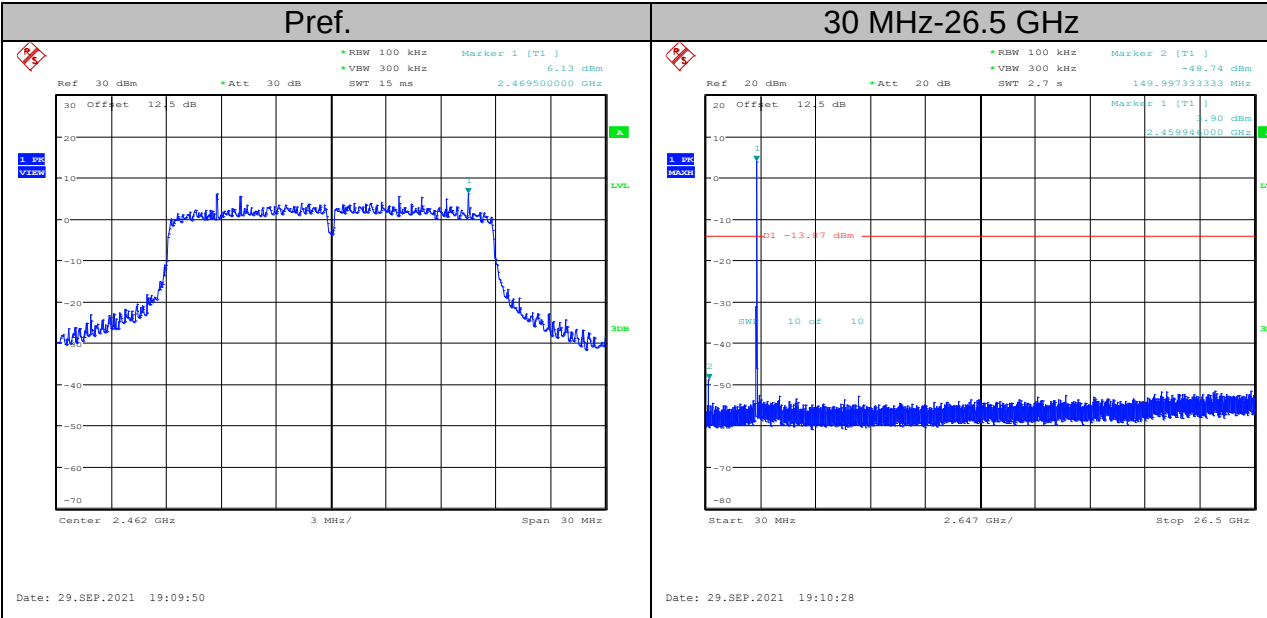
ANT 1



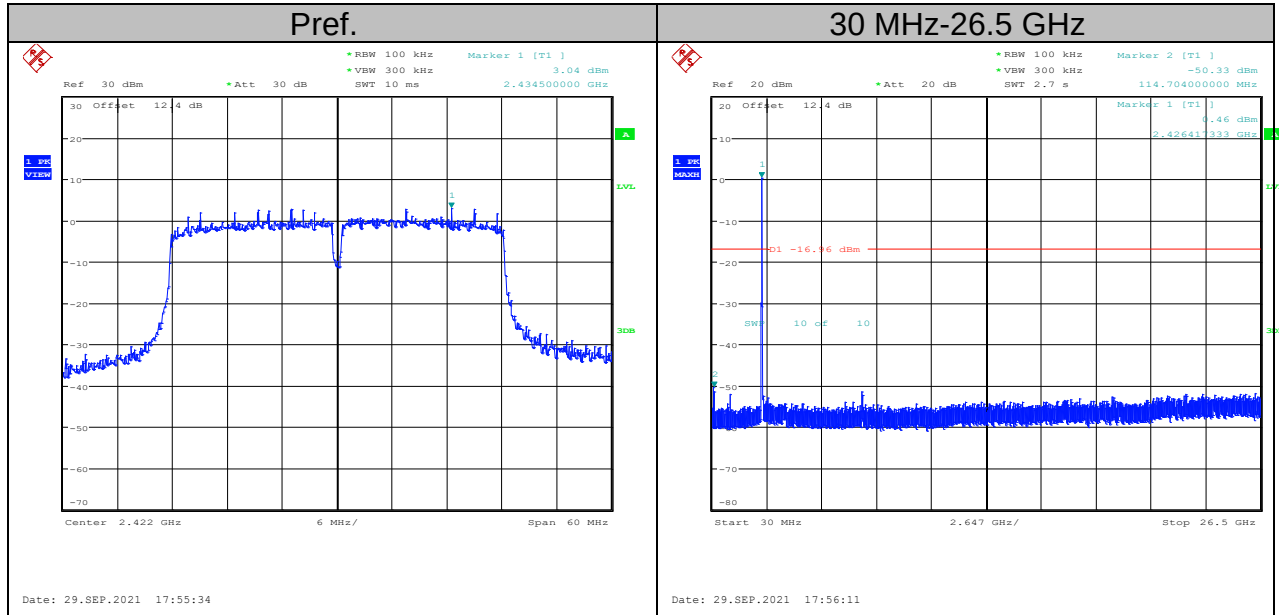
802.11n-HT20
High Channel
ANT 0



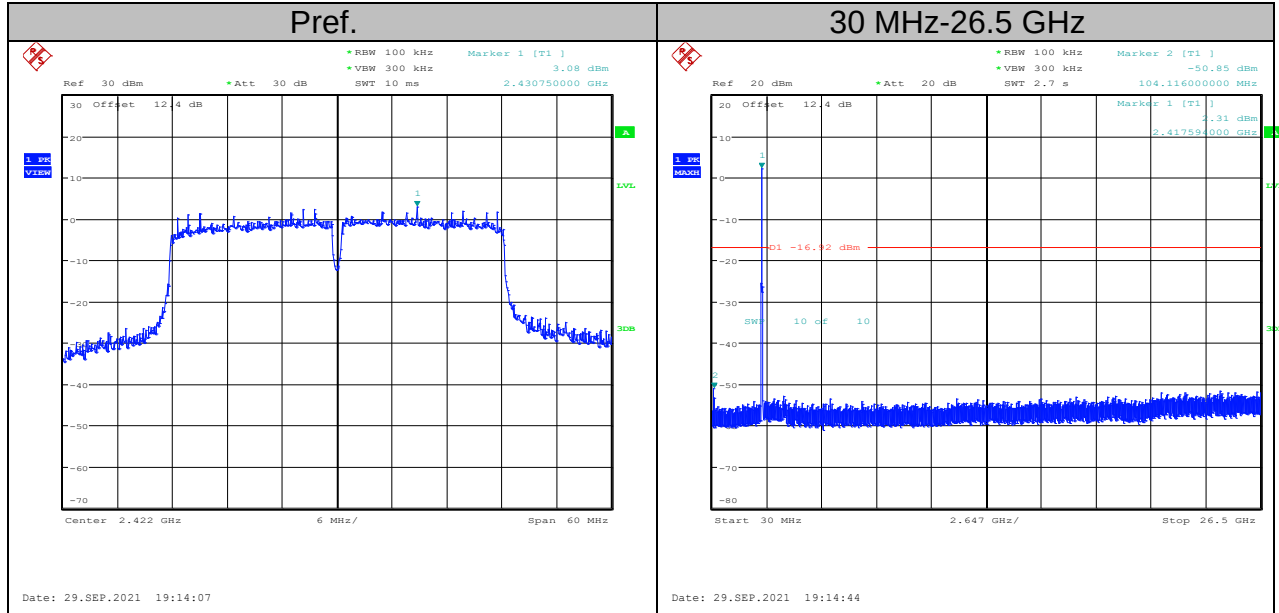
ANT 1



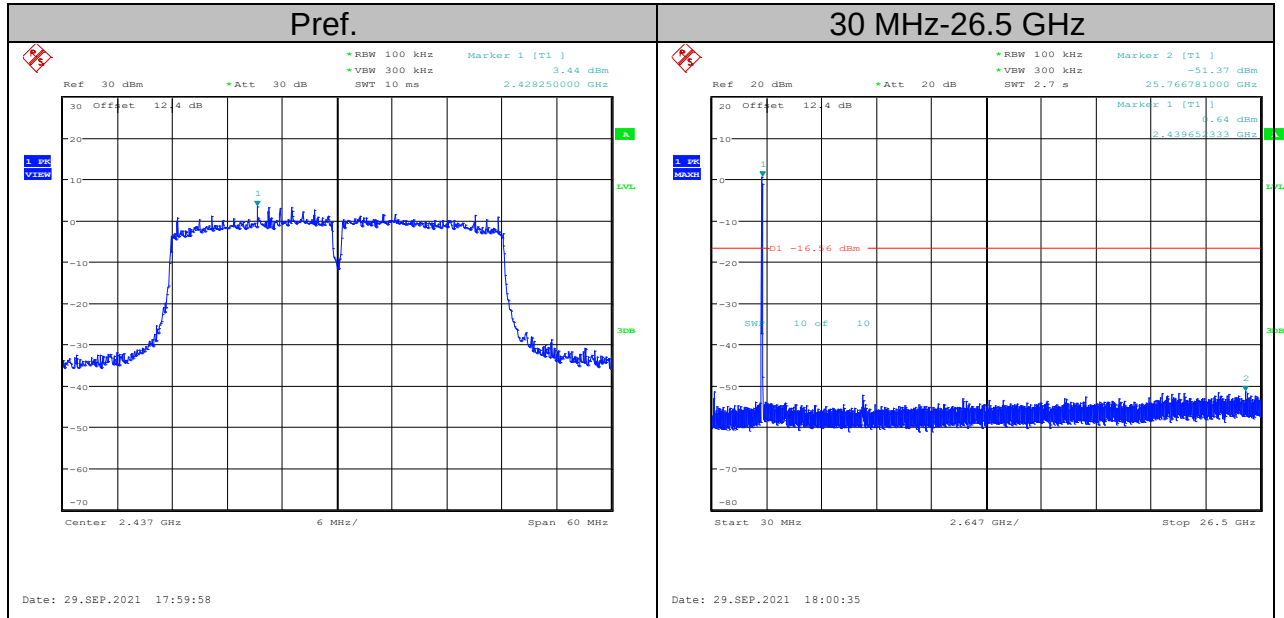
802.11n-HT40
Low Channel
ANT 0



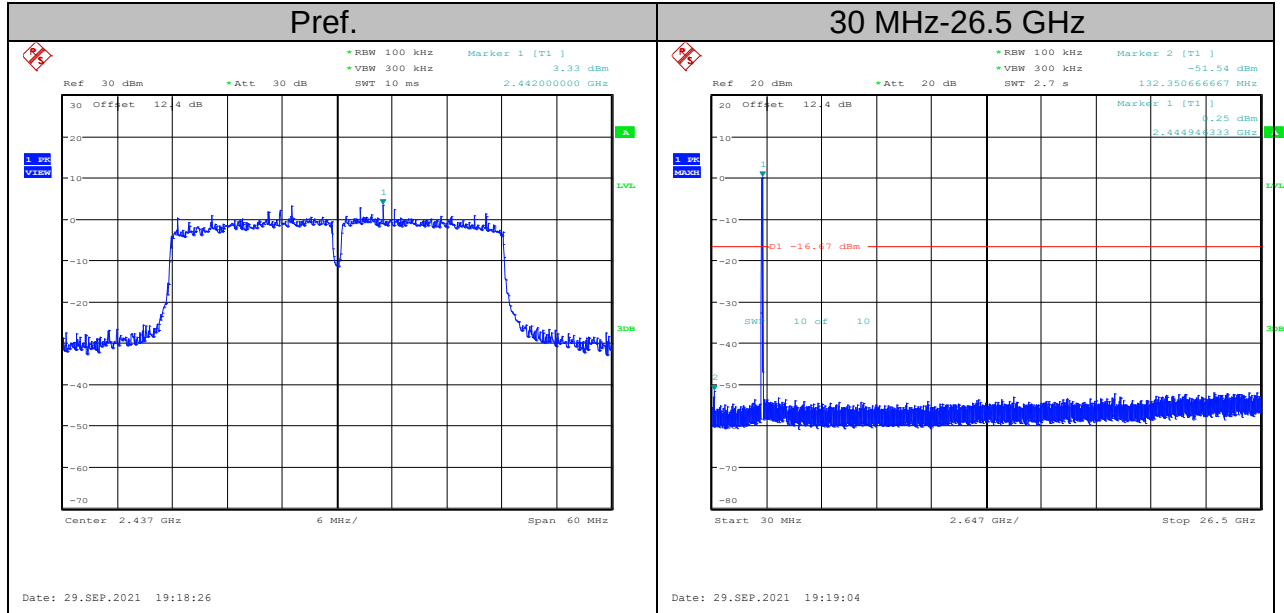
ANT 1



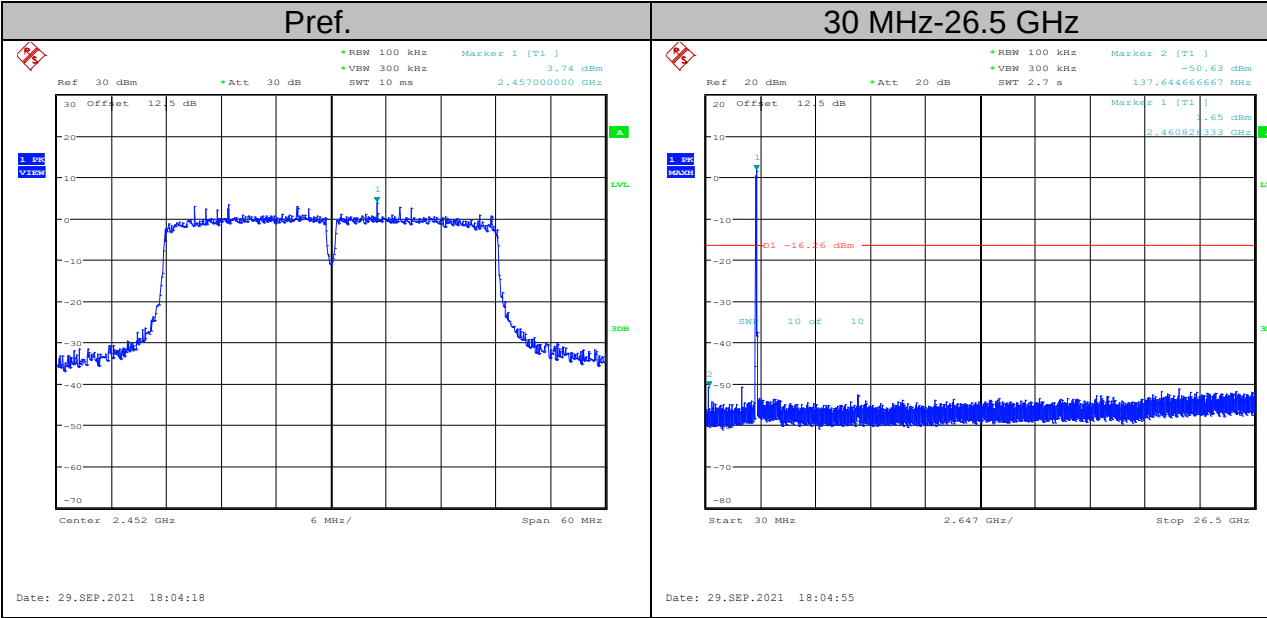
802.11n-HT40
Mid Channel
ANT 0



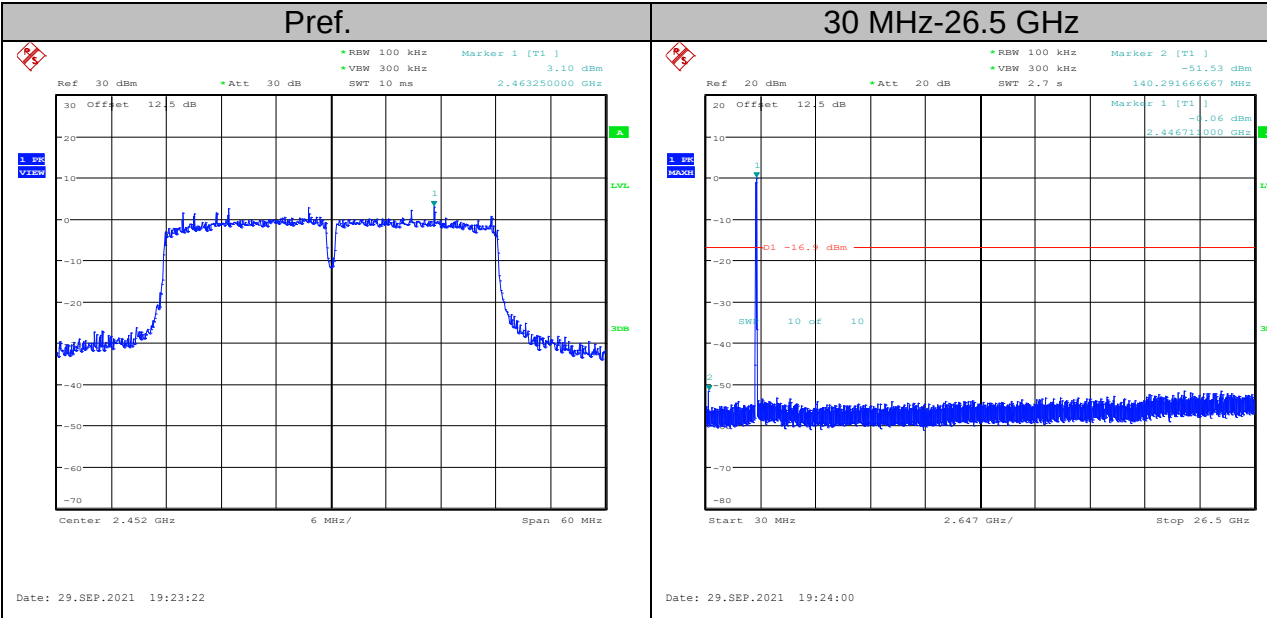
ANT 1



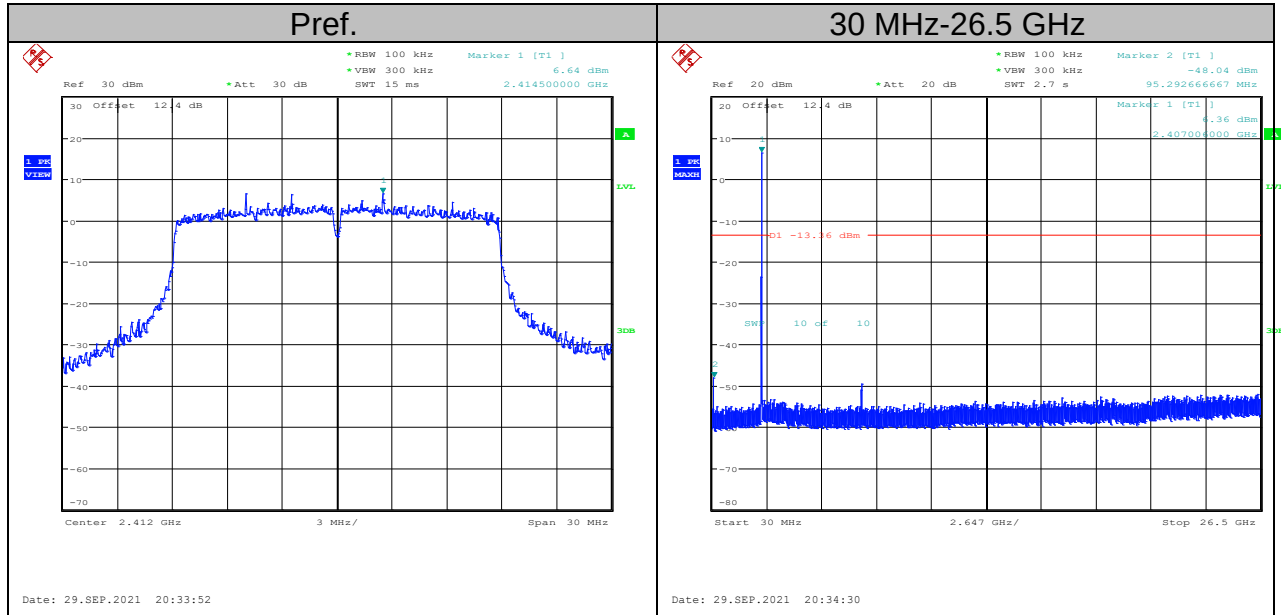
802.11n-HT40
High Channel
ANT 0



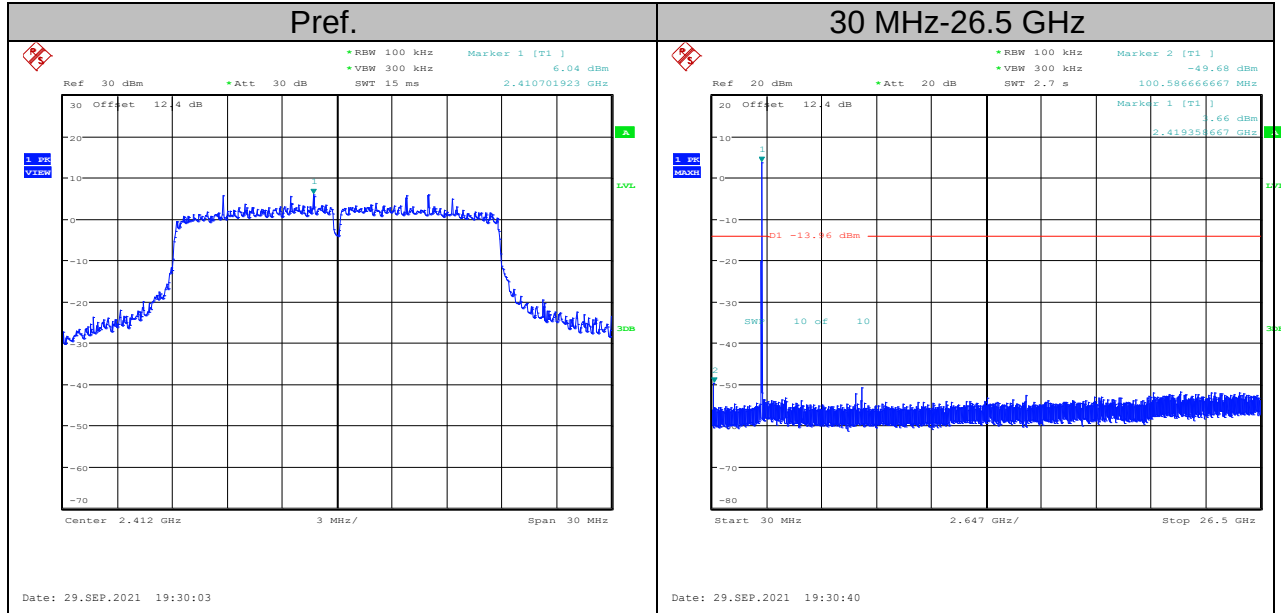
ANT 1



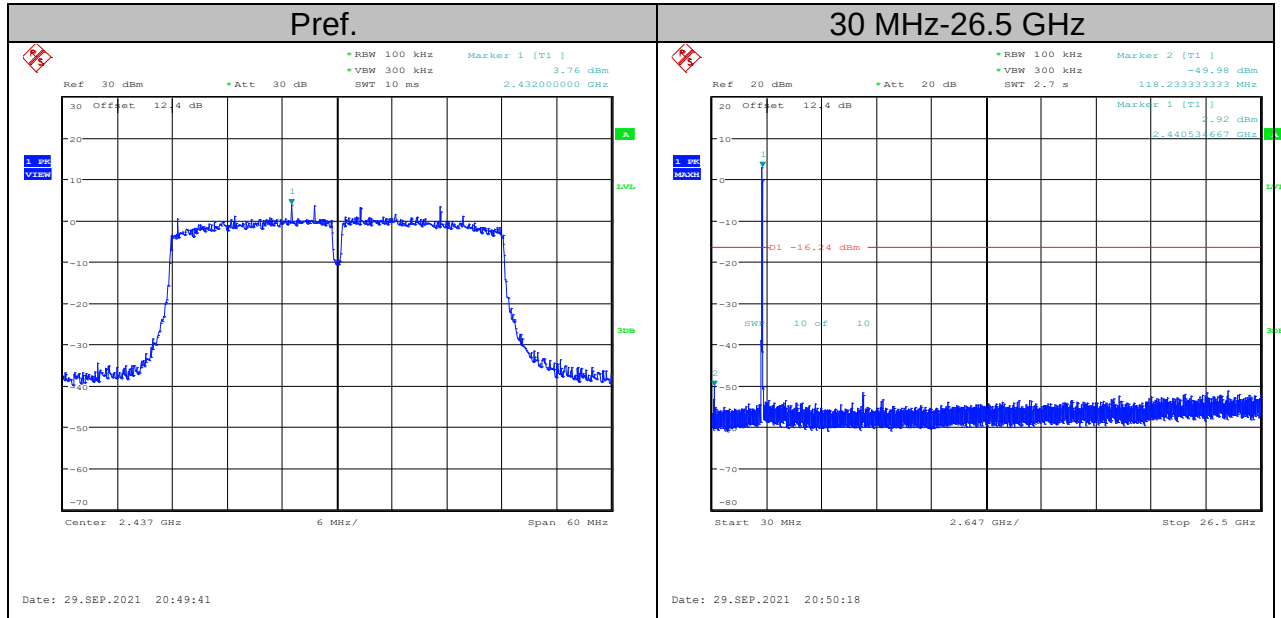
802.11ac-VHT20
Low Channel
ANT 0



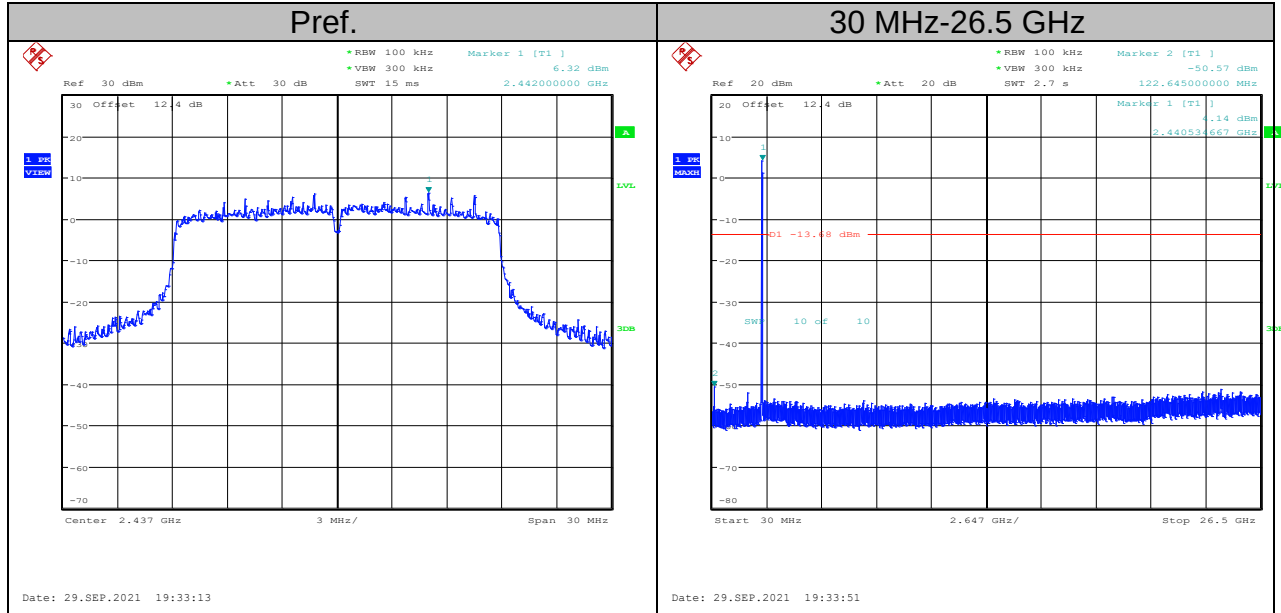
ANT 1



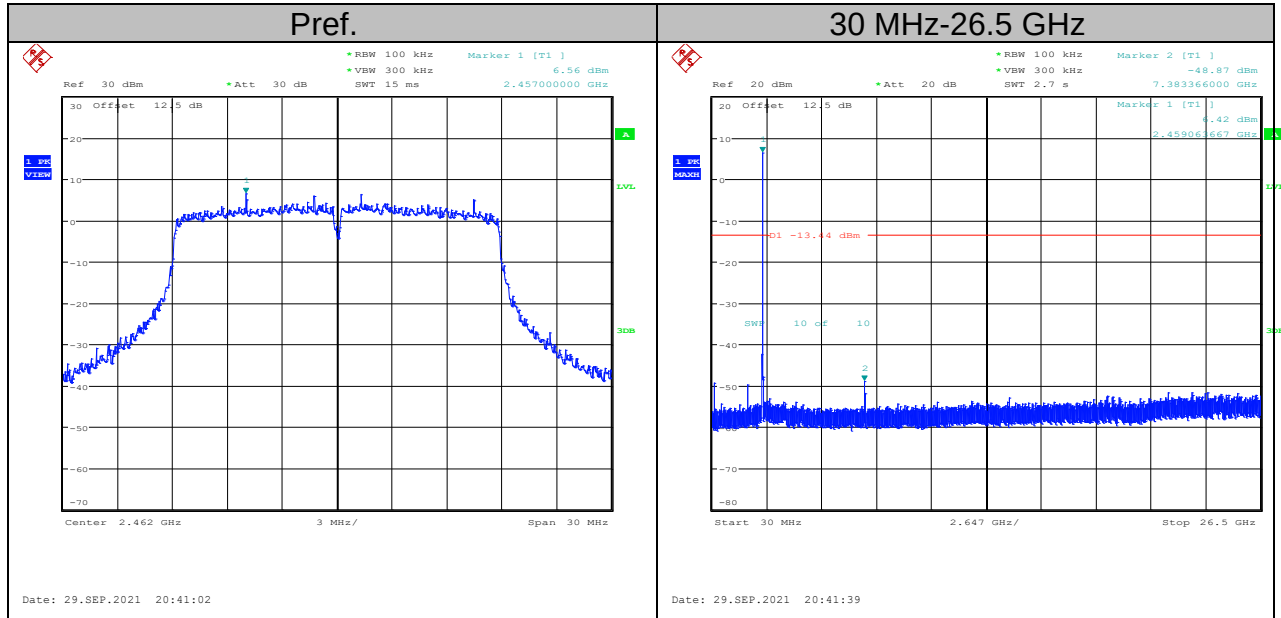
802.11ac-VHT20
Mid Channel
ANT 0



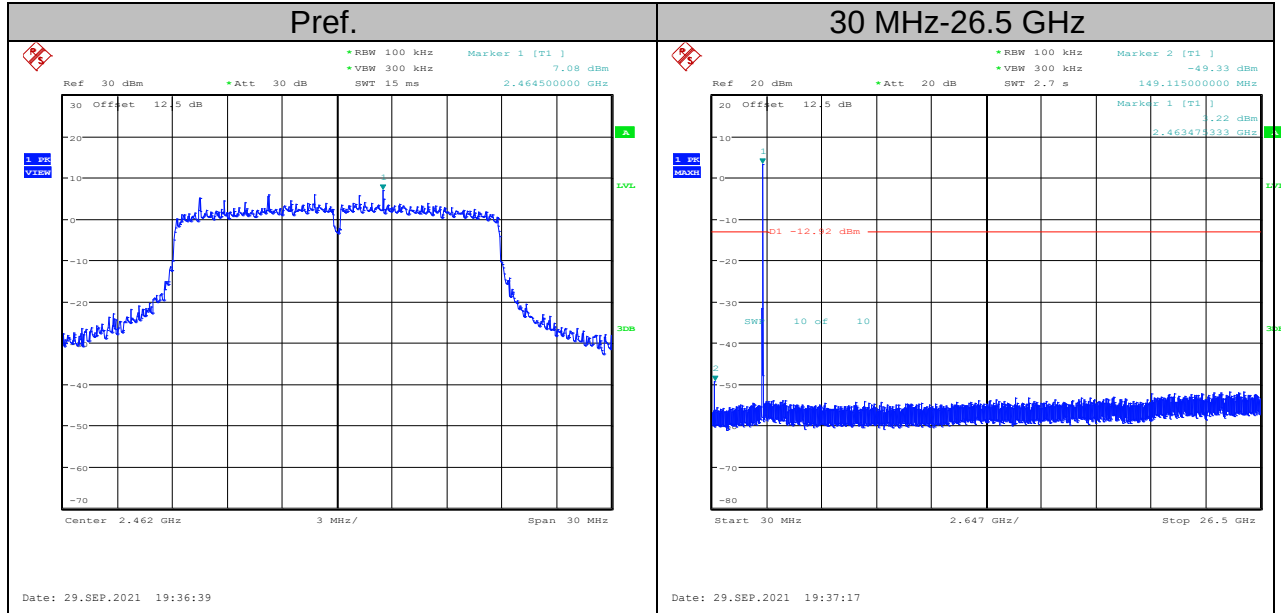
ANT 1



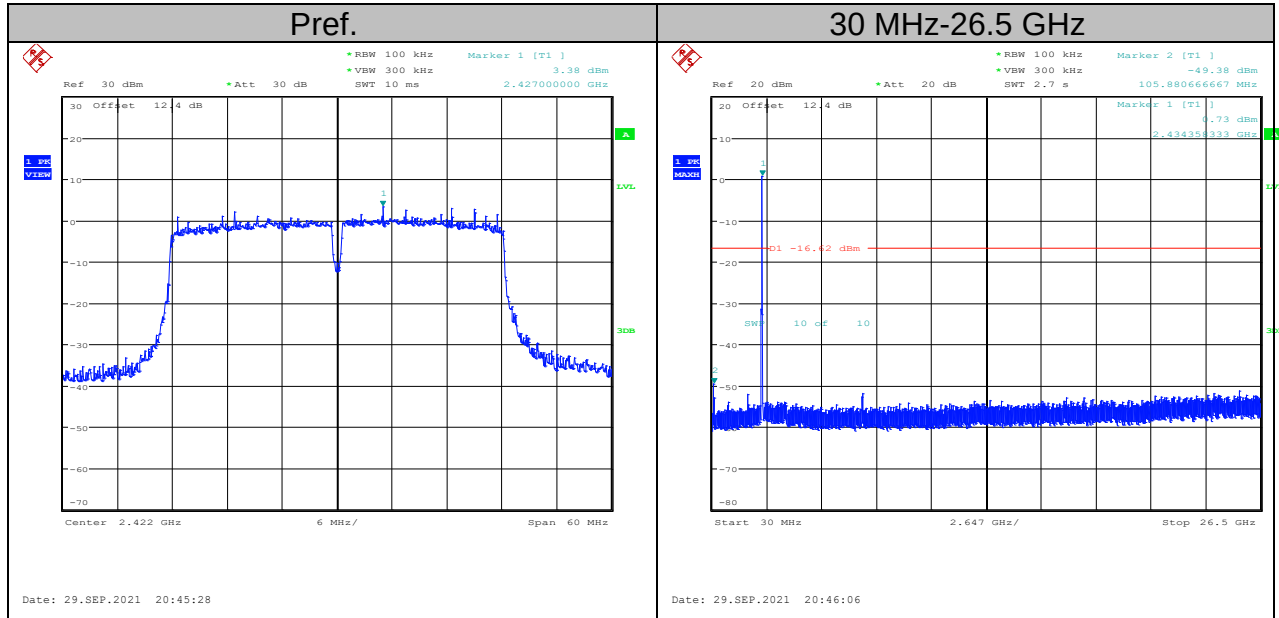
802.11ac-VHT20 High Channel ANT 0



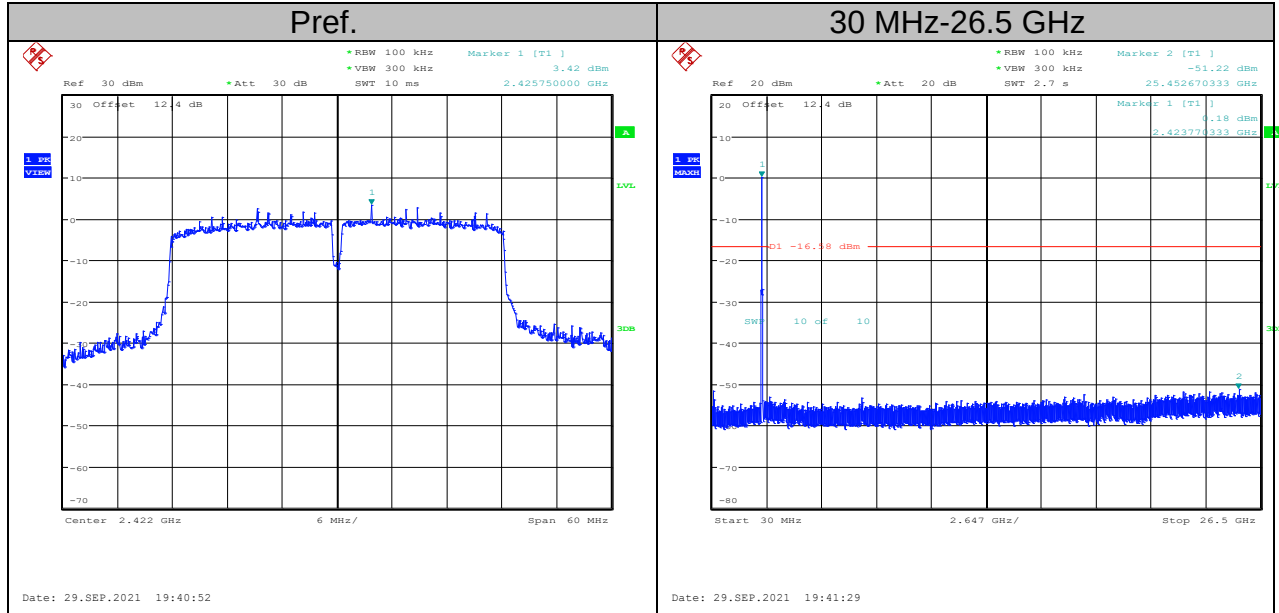
ANT 1



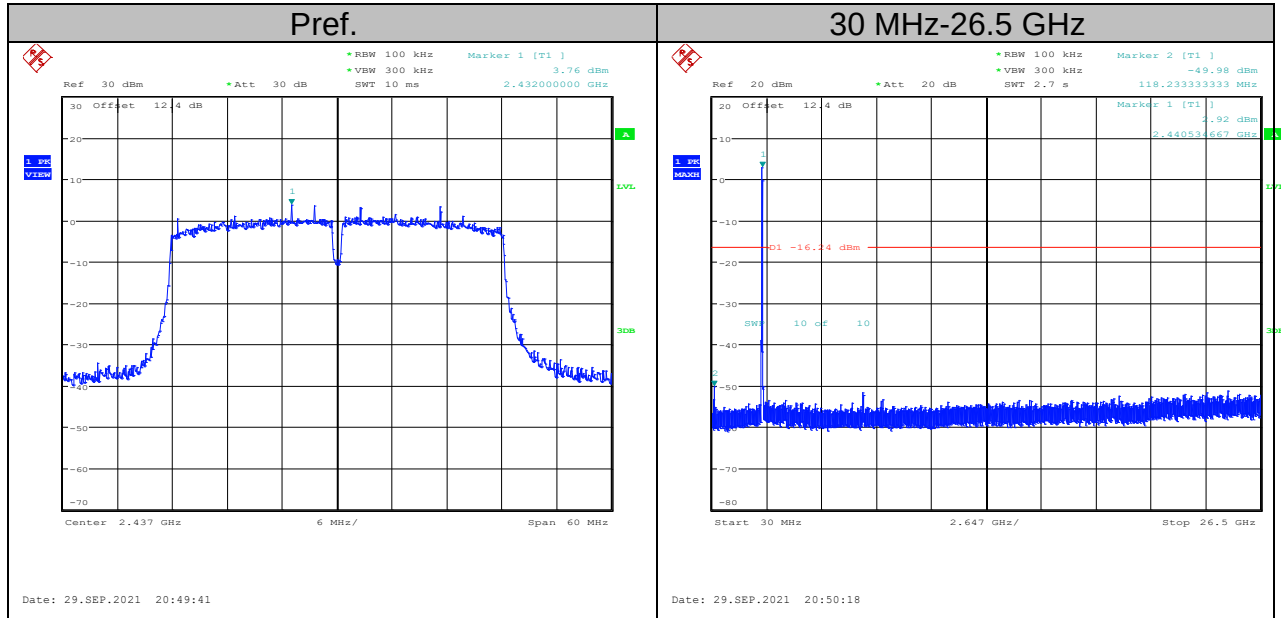
802.11ac-VHT40
Low Channel
ANT 0



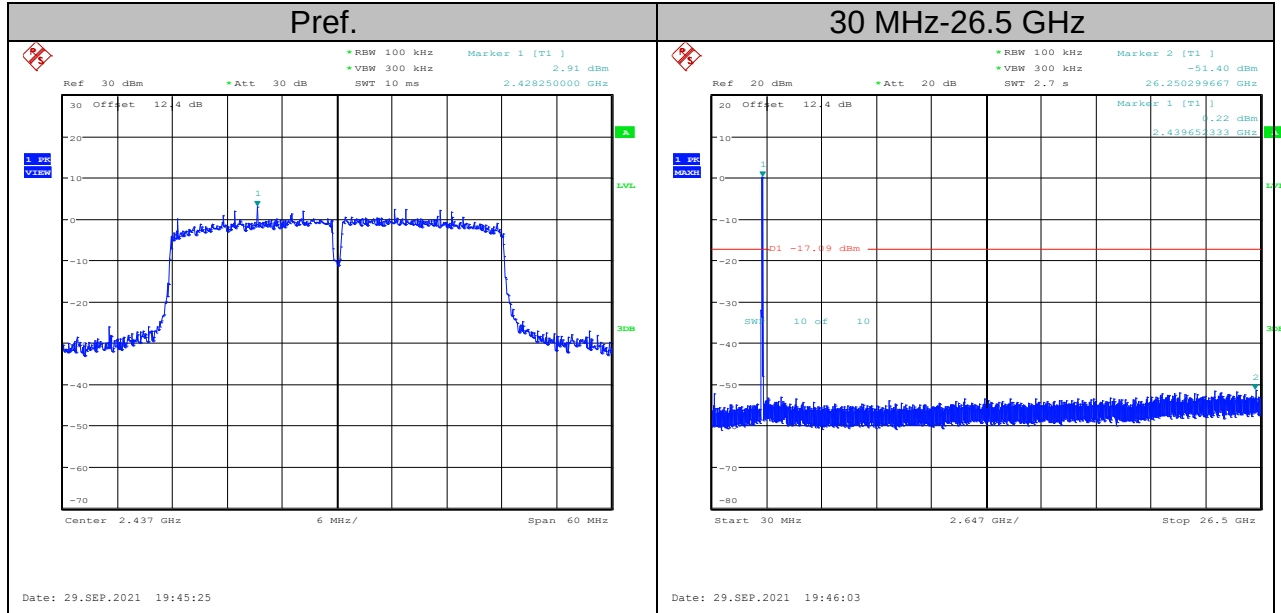
ANT 1



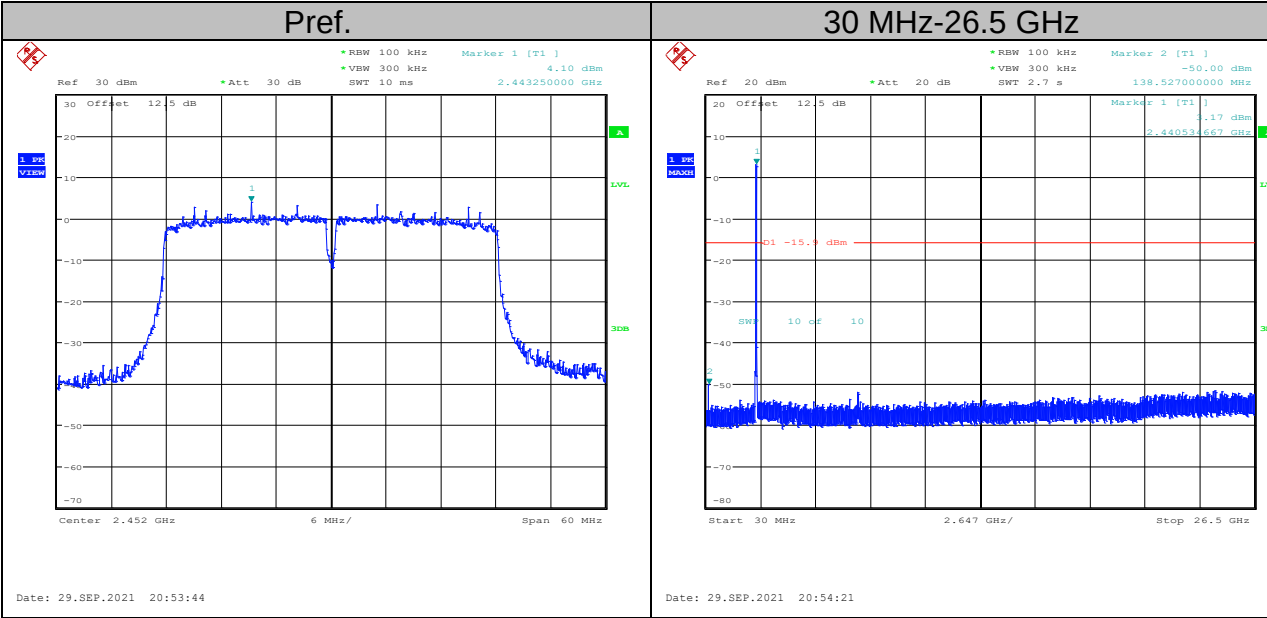
802.11ac-VHT40
Mid Channel
ANT 0



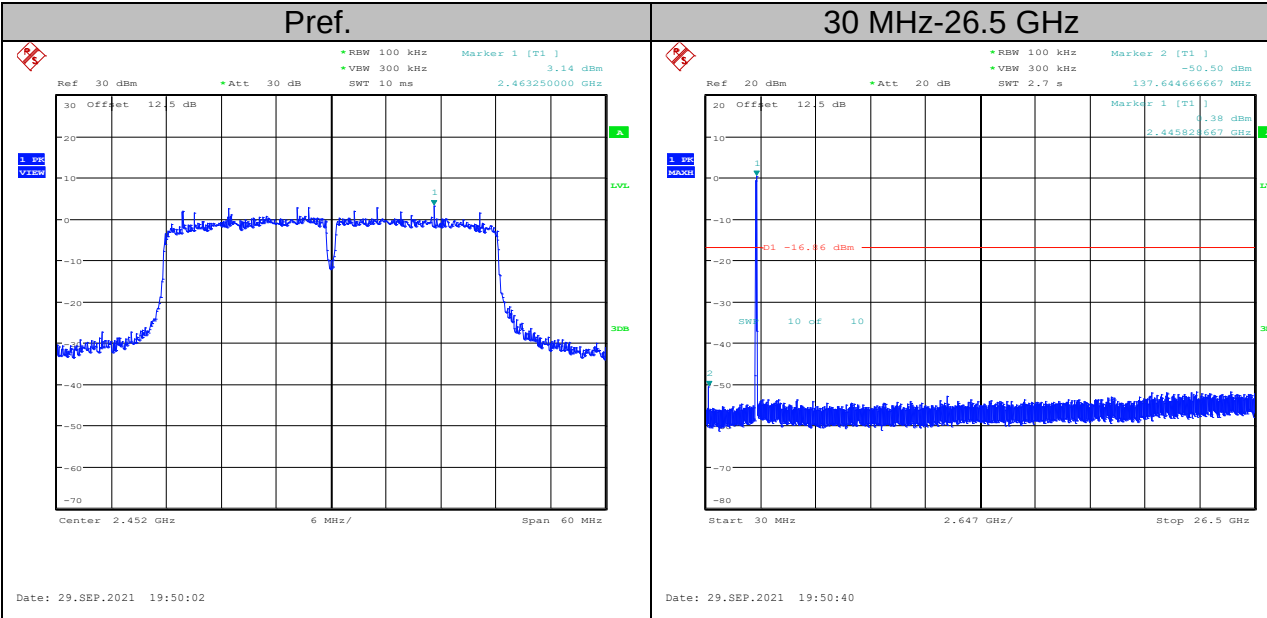
ANT 1



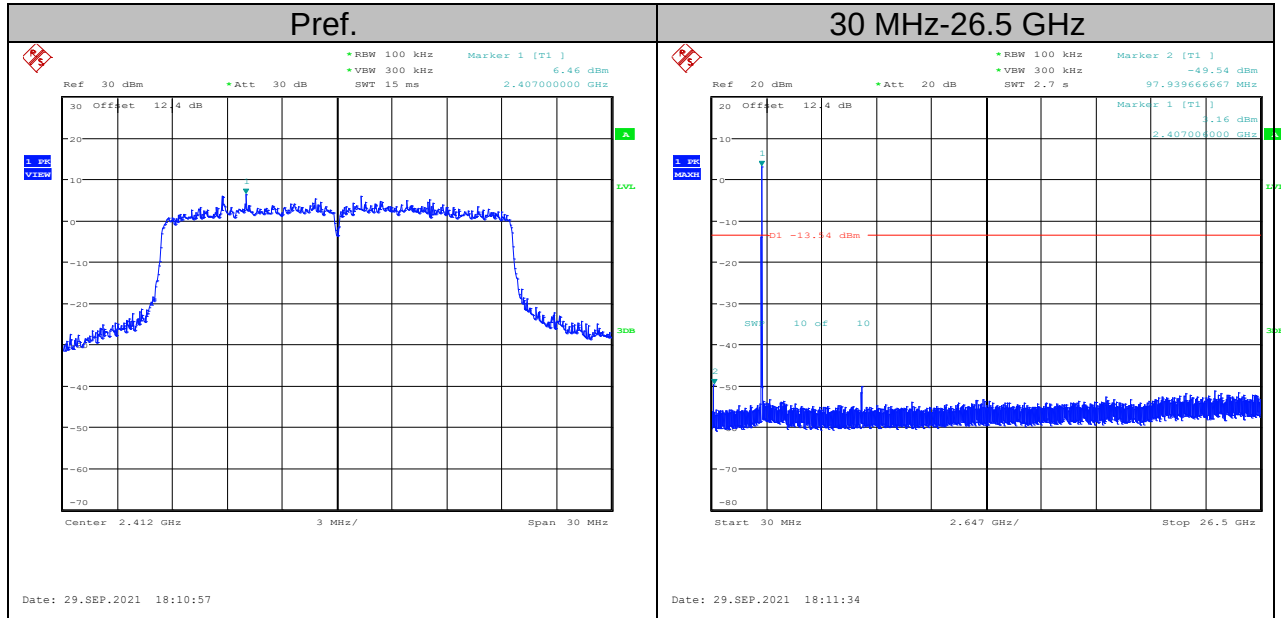
802.11ac-VHT40
High Channel
ANT 0



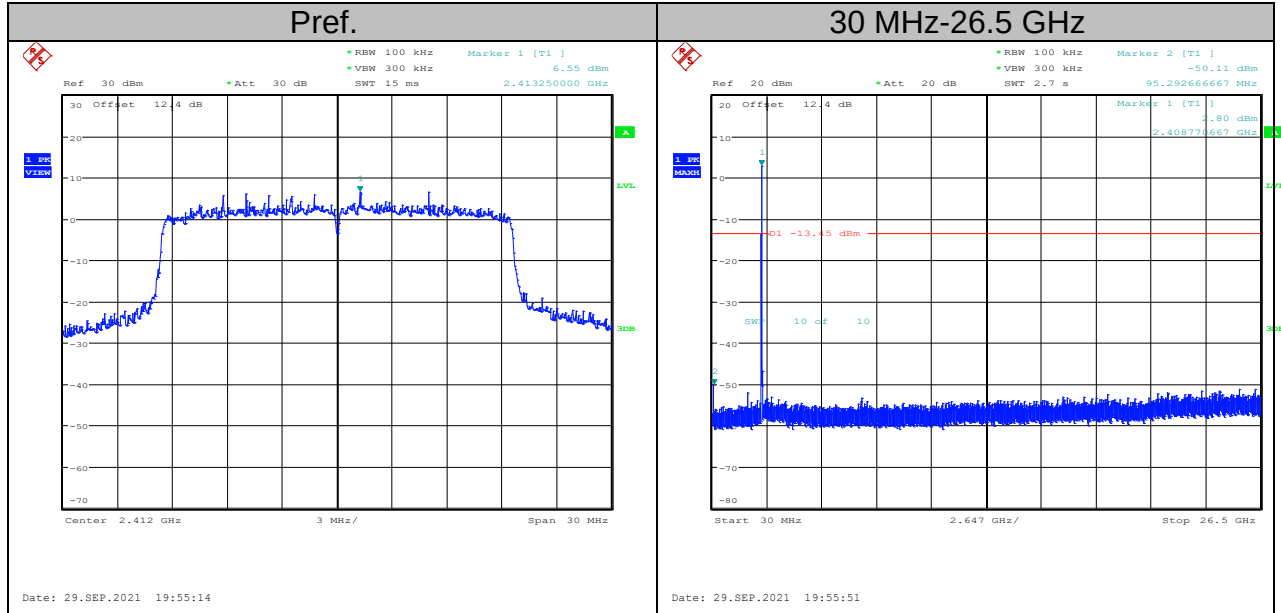
ANT 1



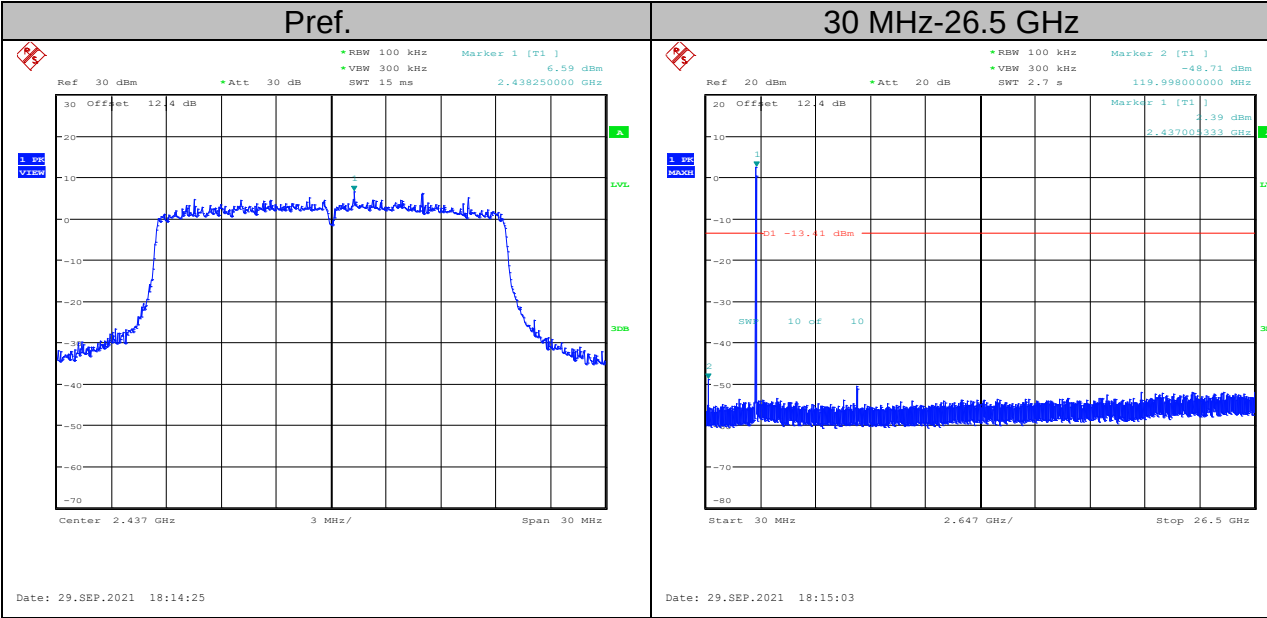
802.11ax-HEW20
Low Channel
ANT 0



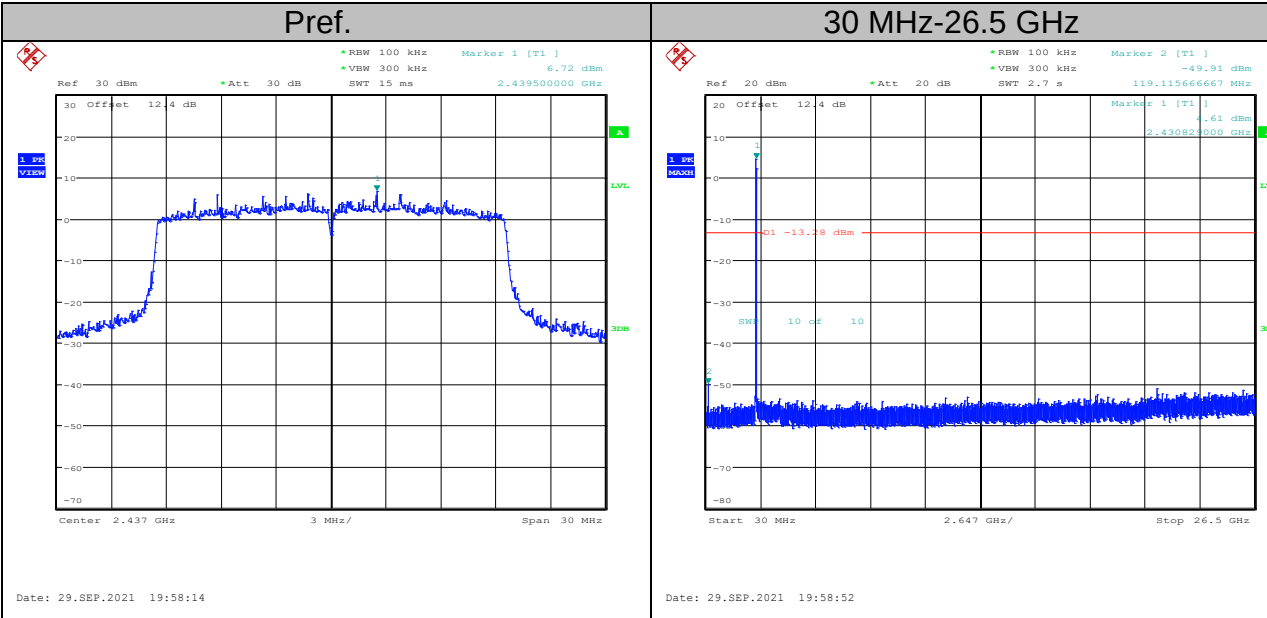
ANT 1



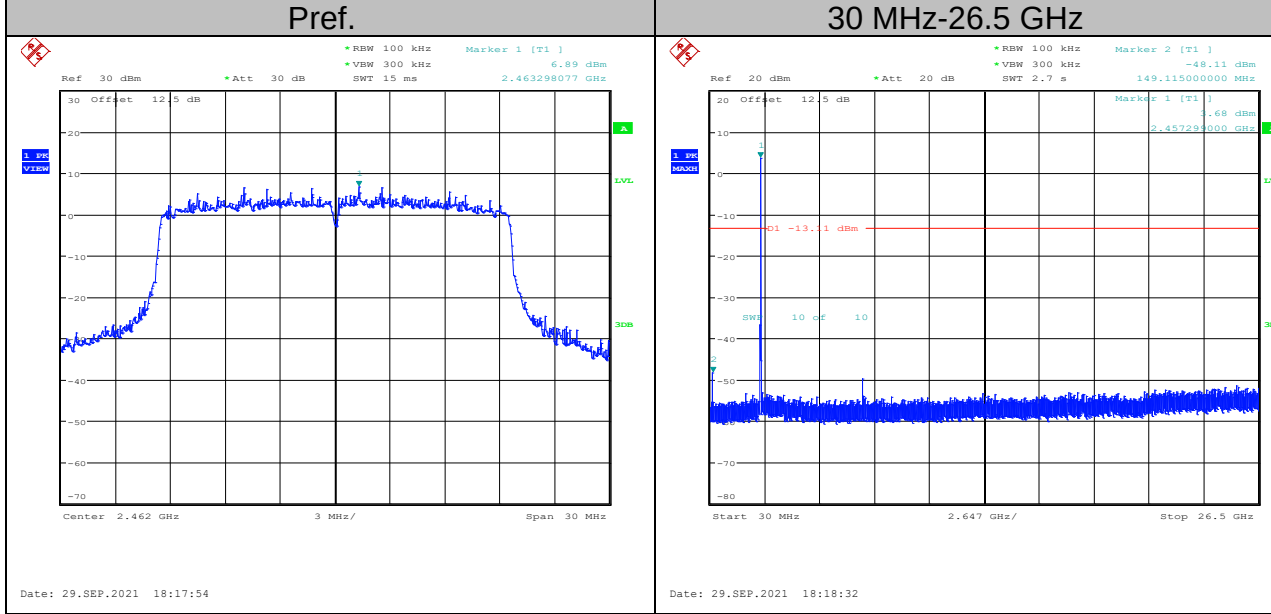
802.11ax-HEW20
Mid Channel
ANT 0



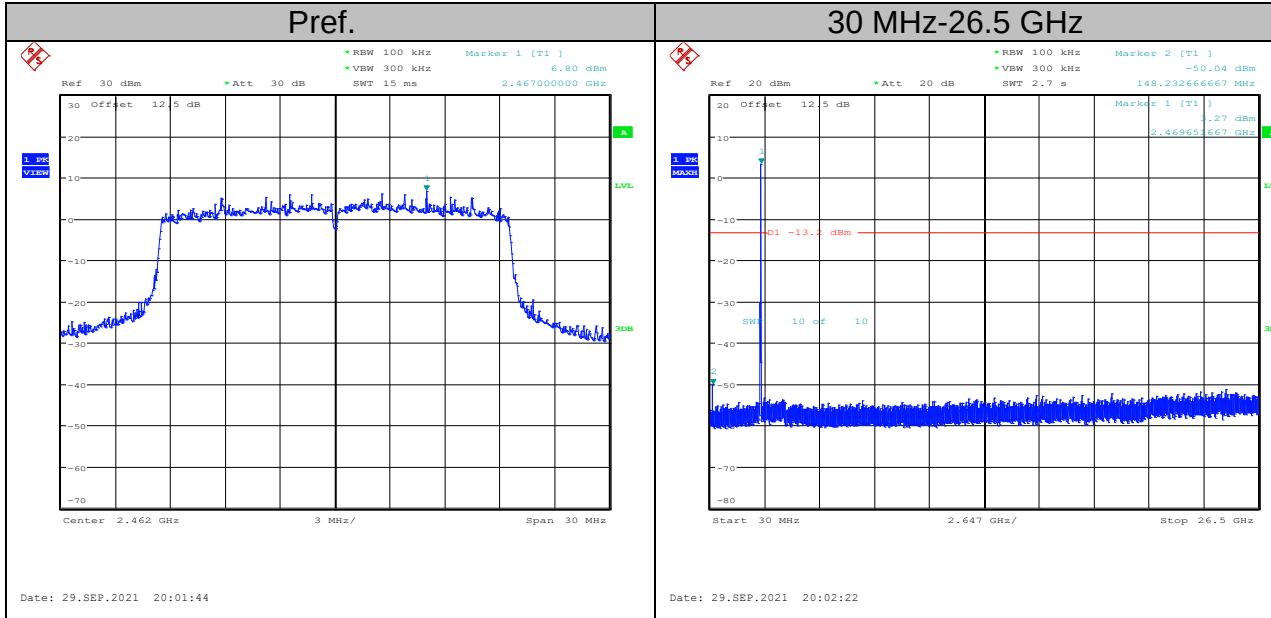
ANT 1



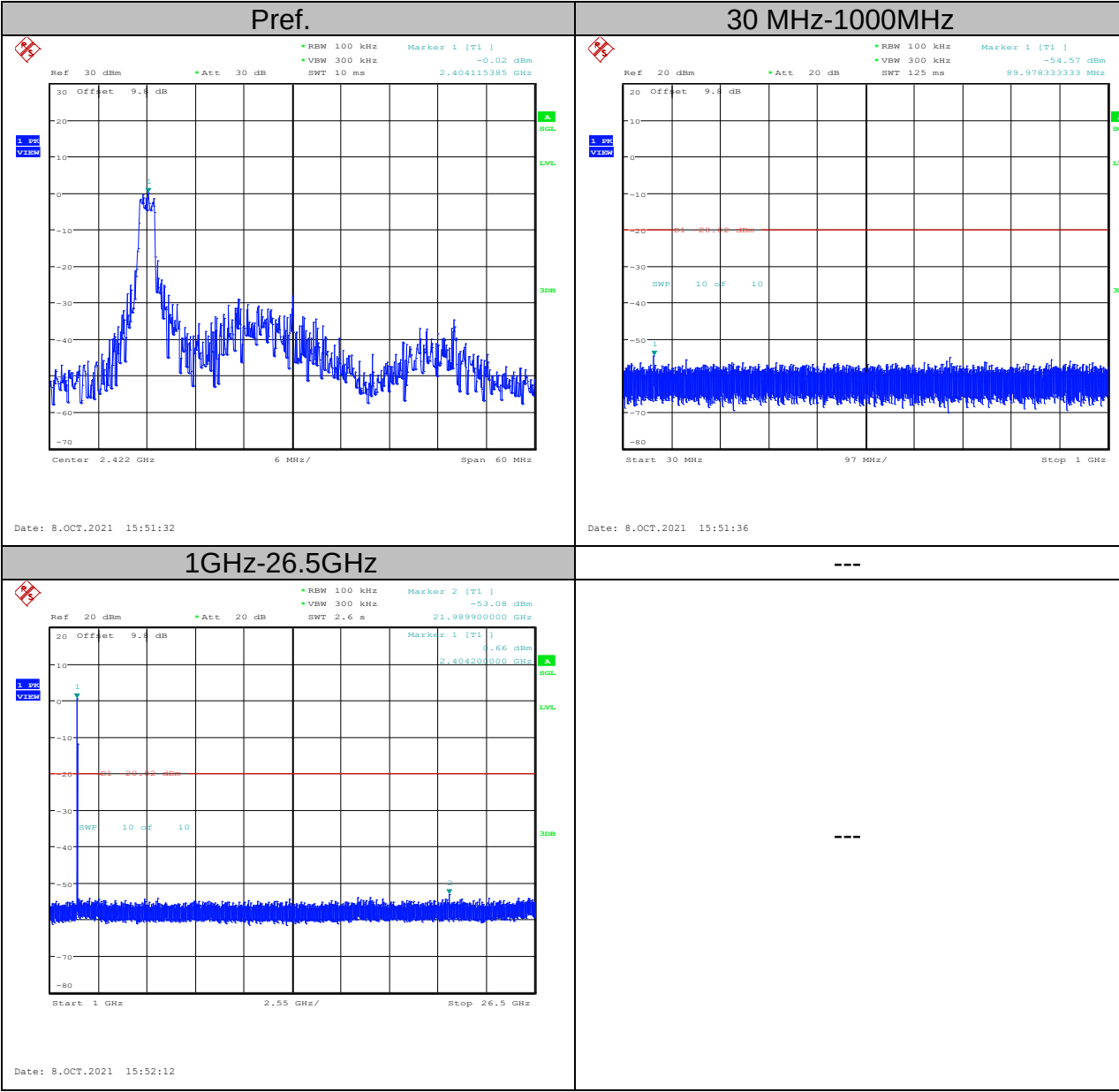
802.11ax-HEW20
High Channel
ANT 0



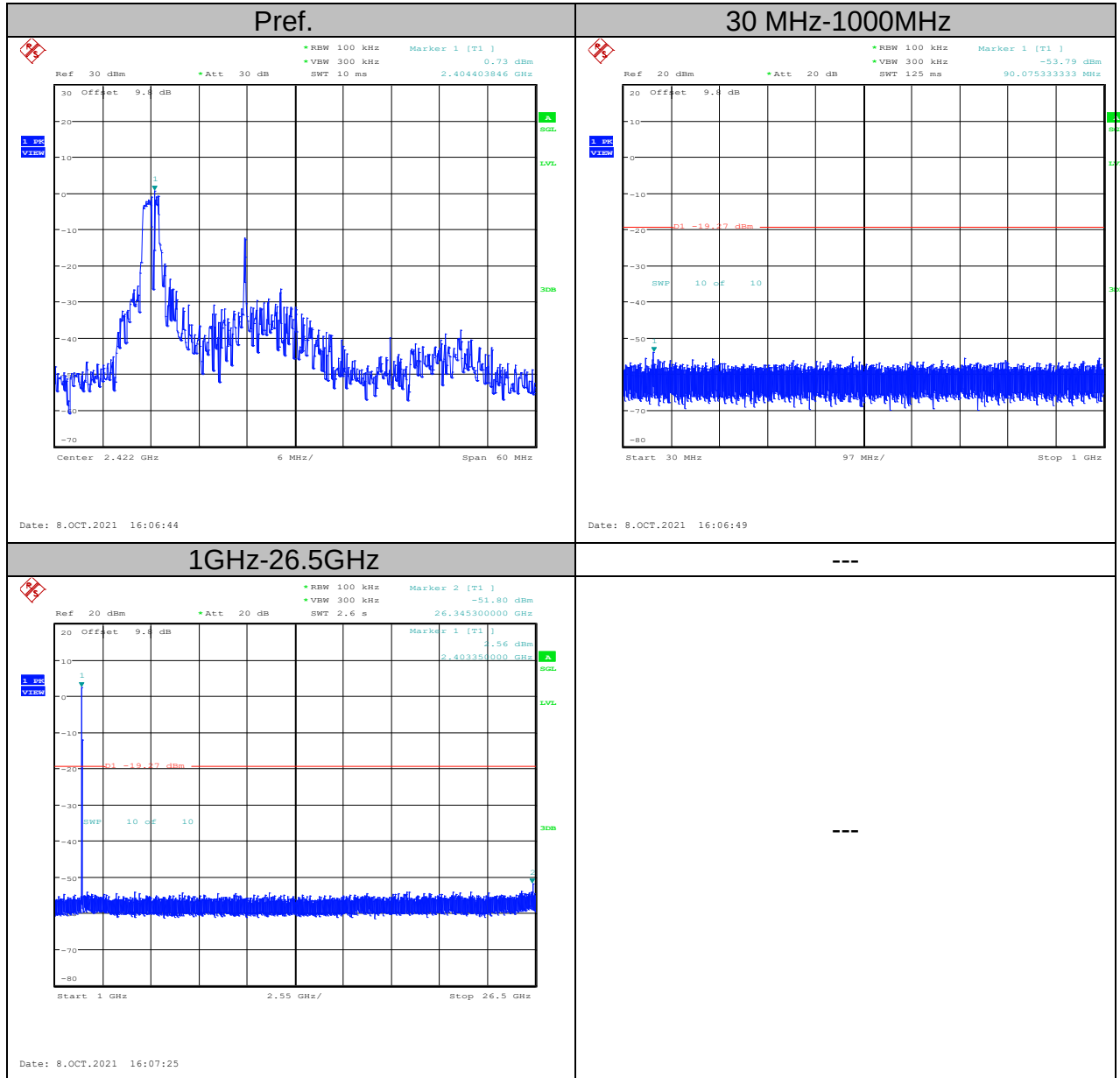
ANT 1



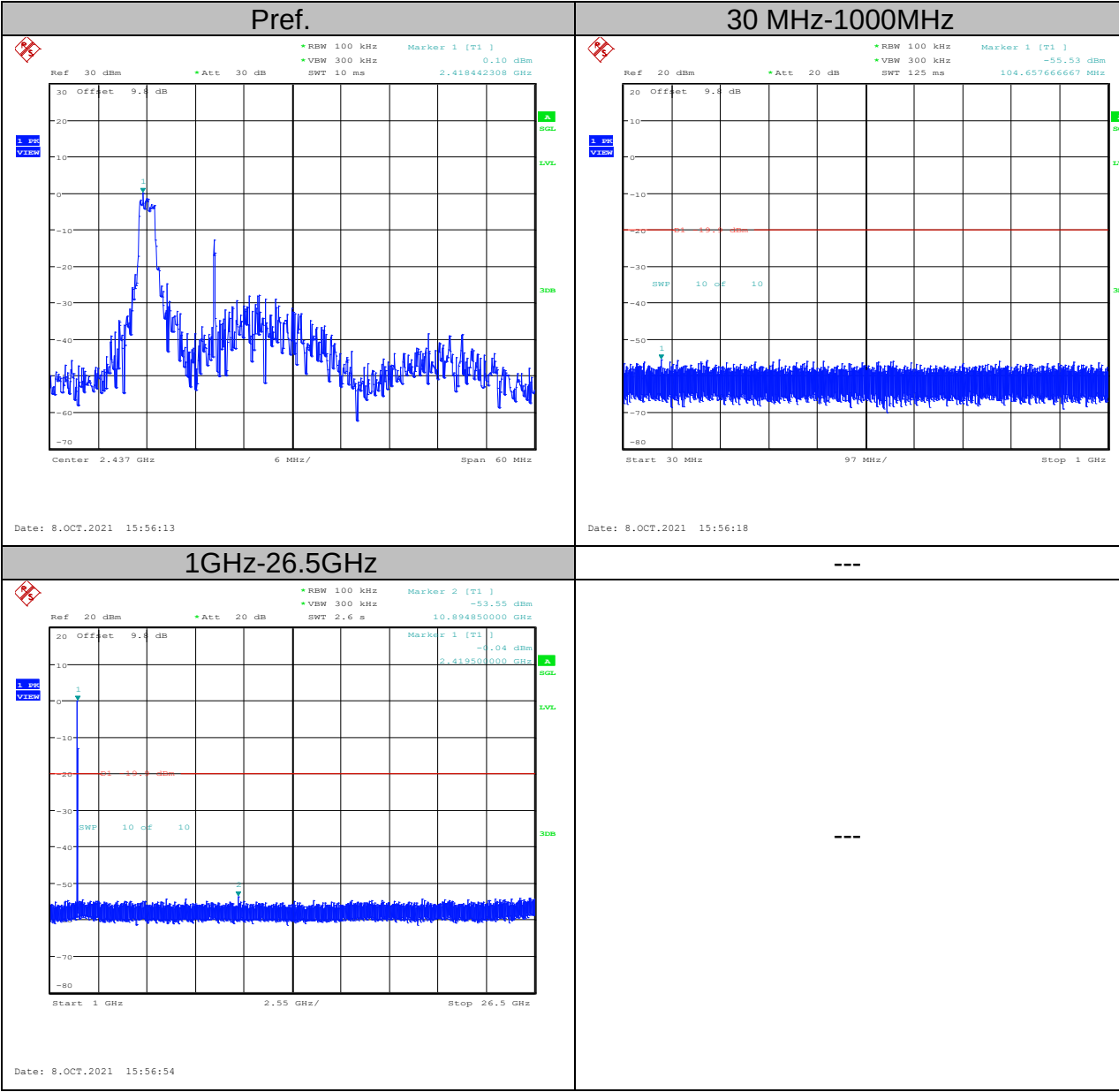
802.11ax-HEW40 RU26
Low Channel
ANT 0



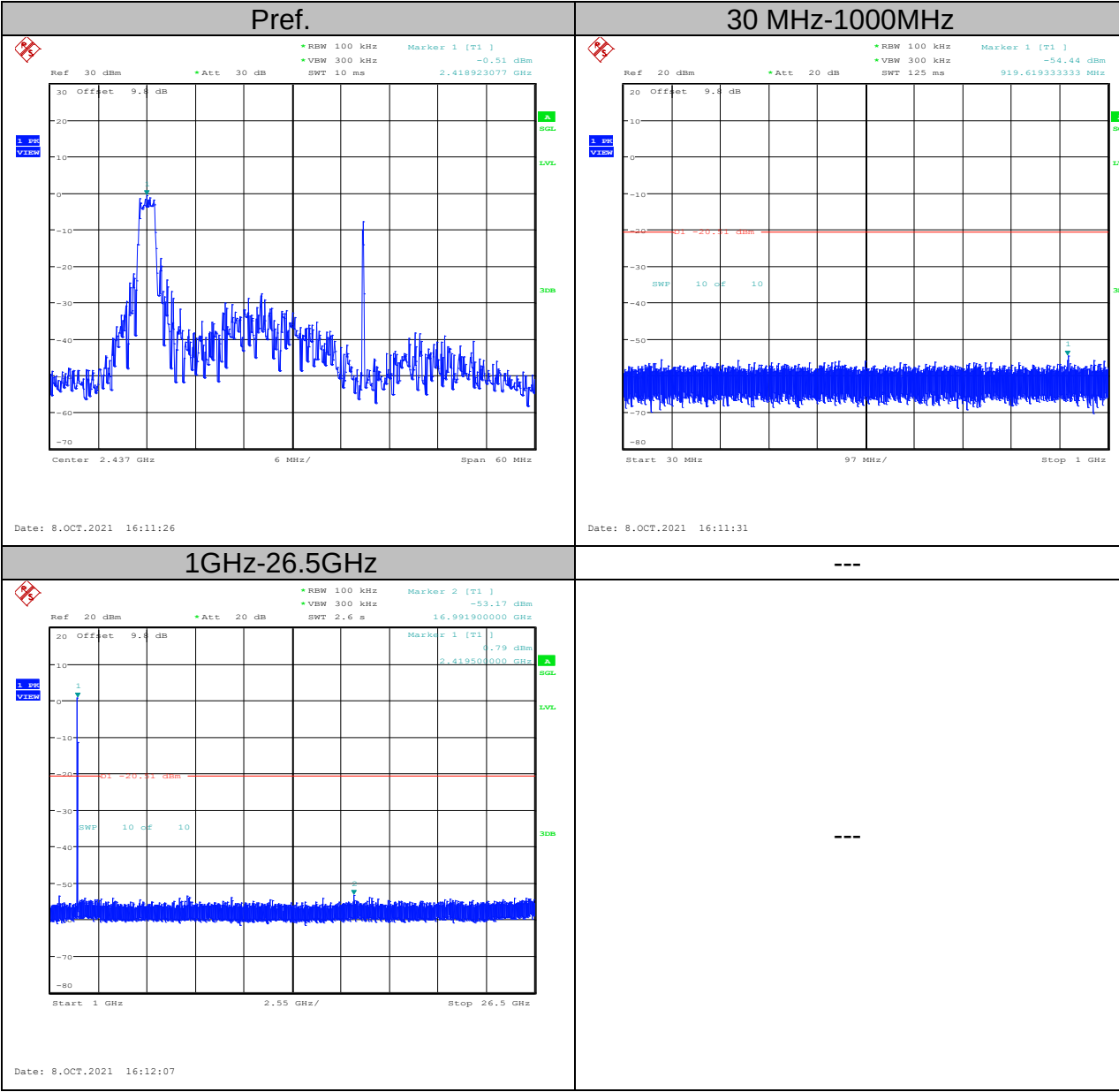
802.11ax-HEW40 RU26
Low Channel
ANT 1



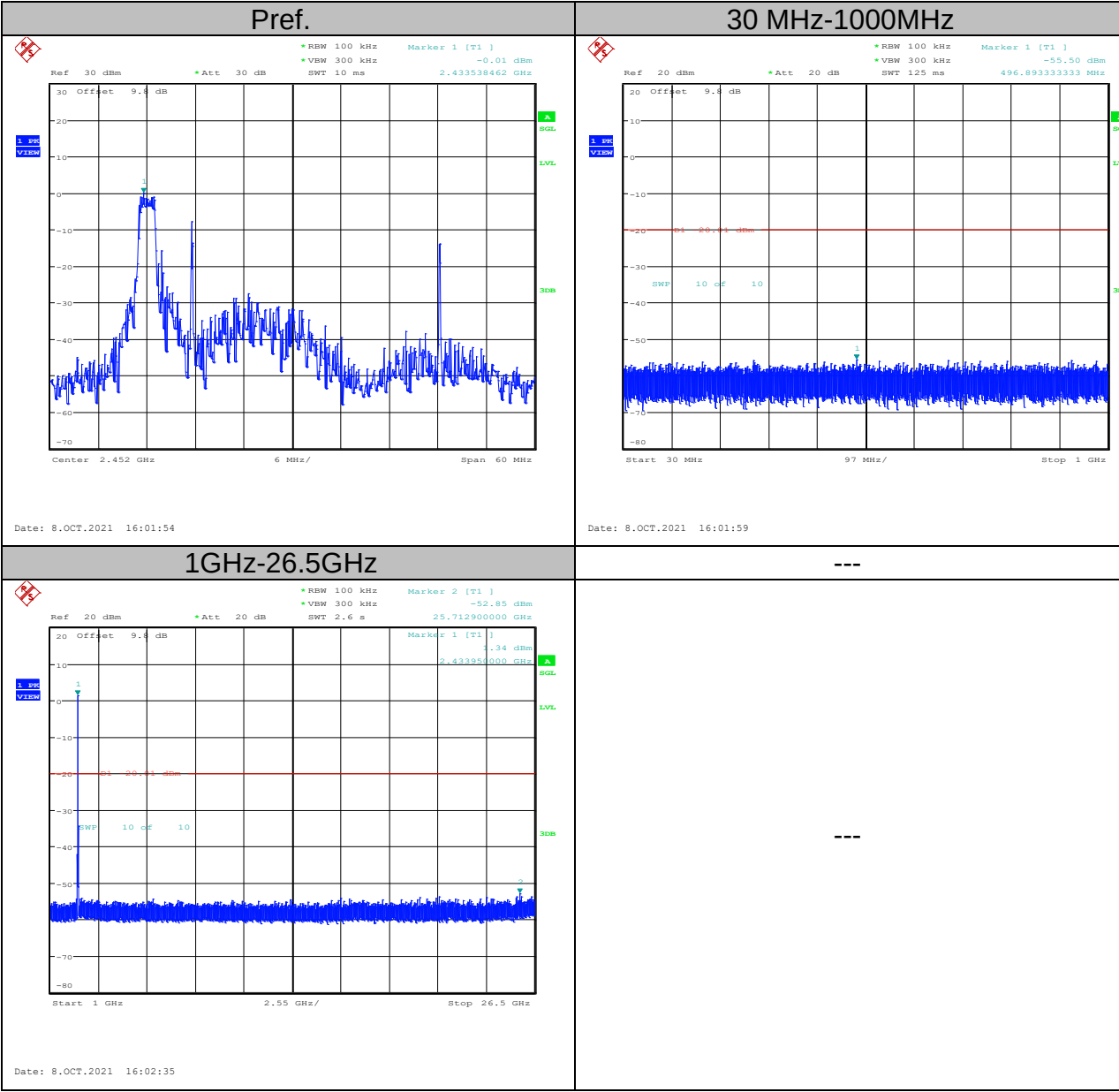
802.11ax-HEW40 RU26
Mid Channel
ANT 0



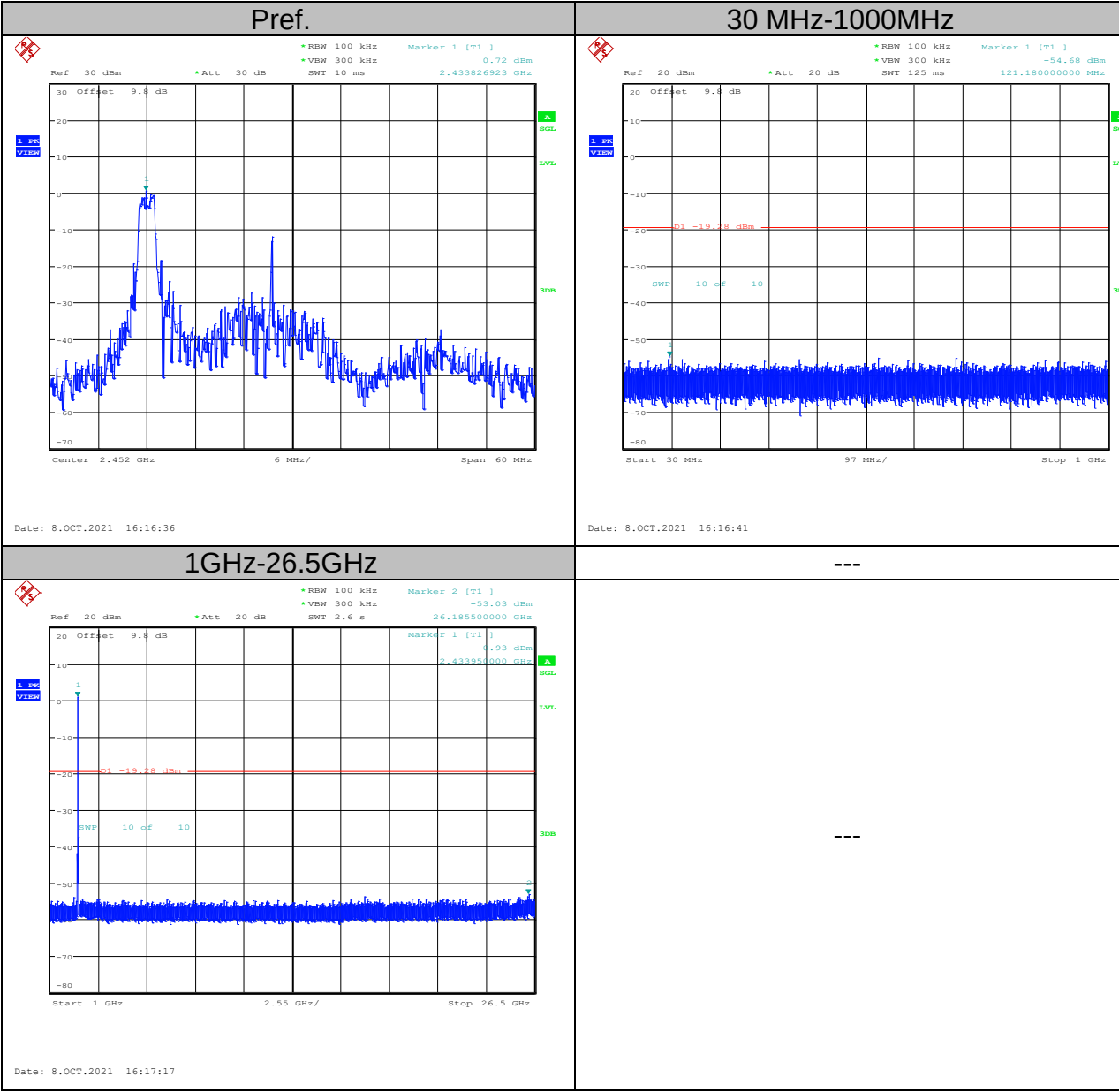
802.11ax-HEW40 RU26
Mid Channel
ANT 1



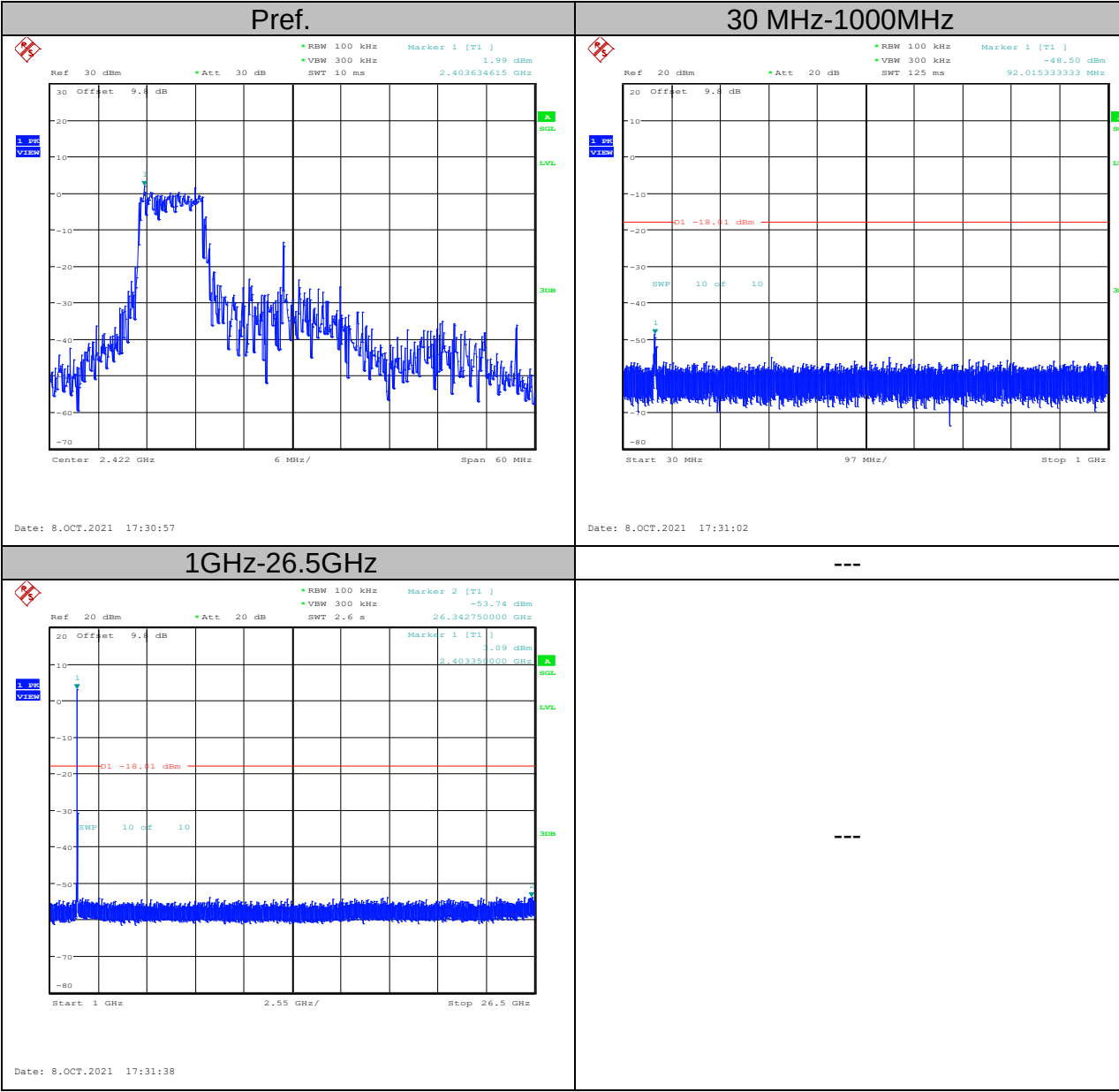
802.11ax-HEW40 RU26
High Channel
ANT 0



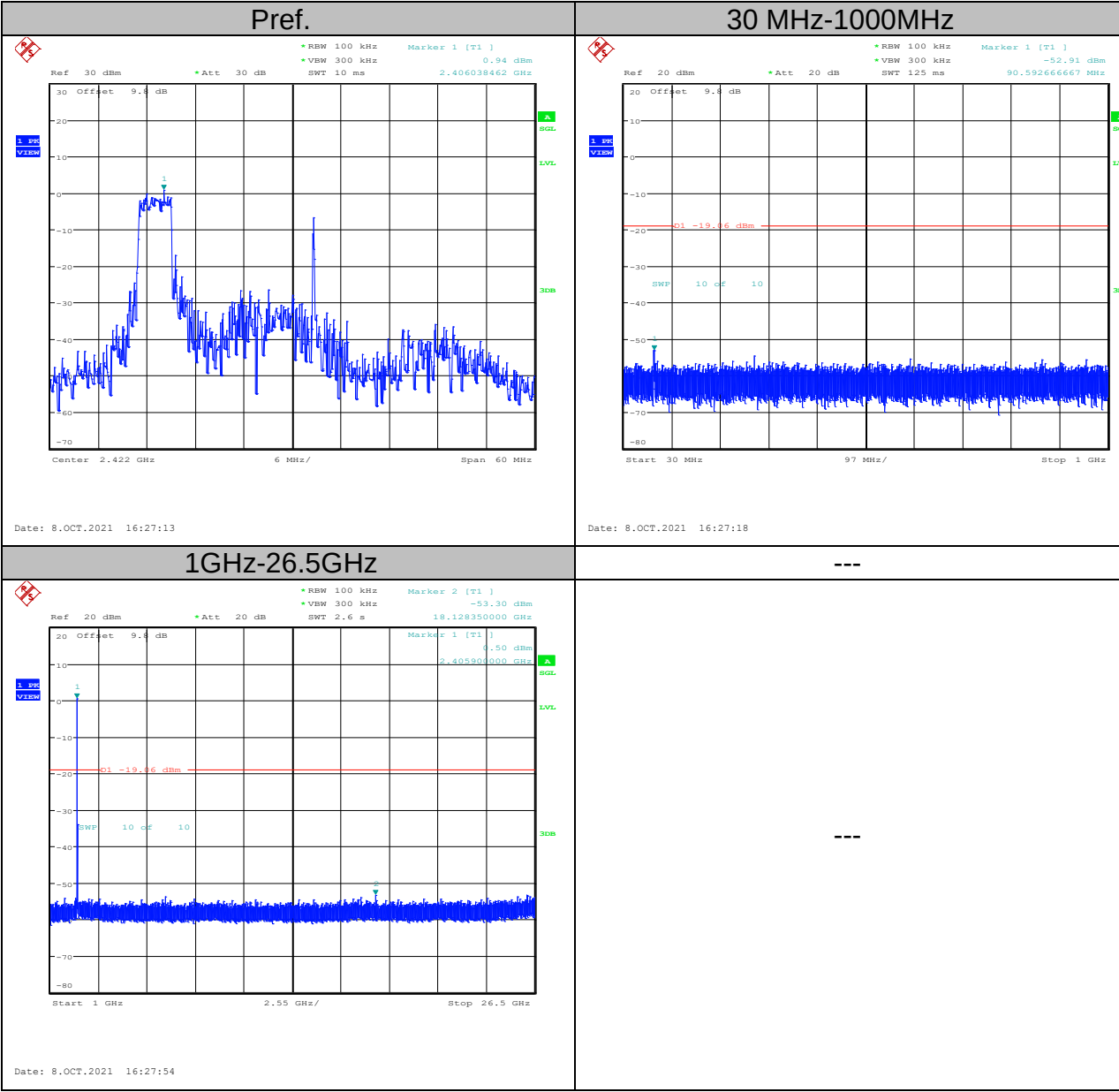
802.11ax-HEW40 RU26
High Channel
ANT 1



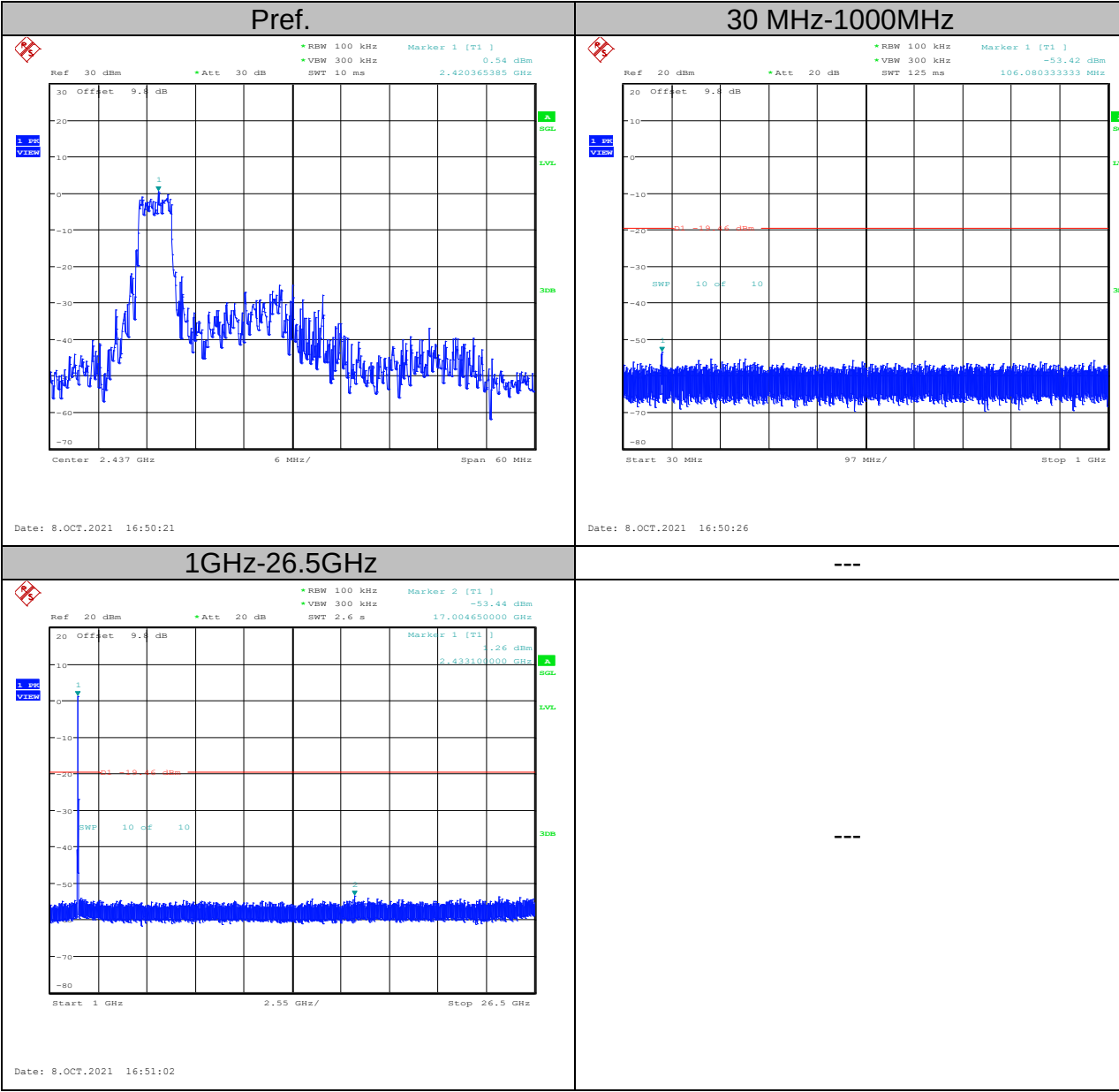
802.11ax-HEW40 RU52
Low Channel
ANT 0



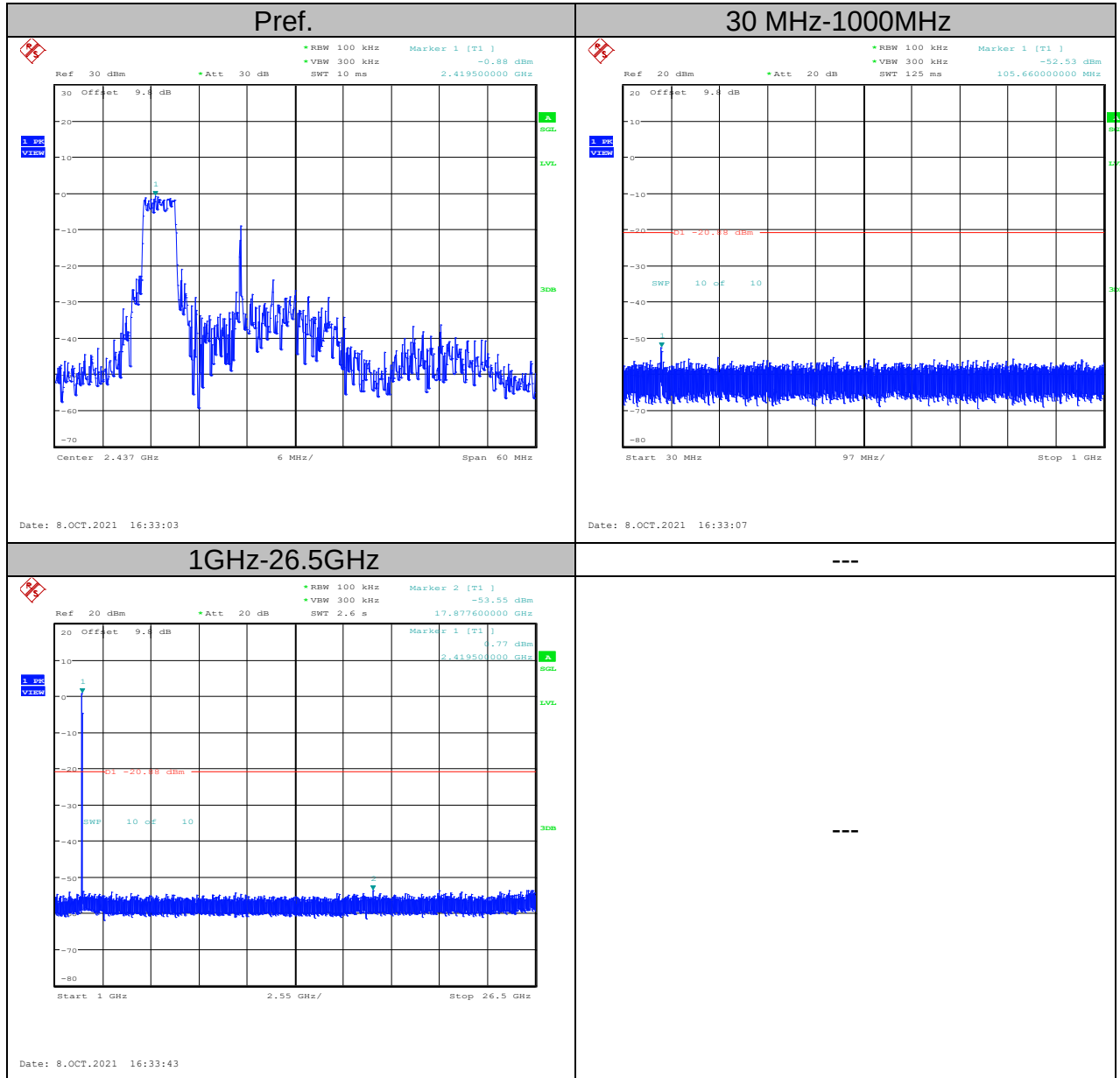
802.11ax-HEW40 RU52
Low Channel
ANT 1



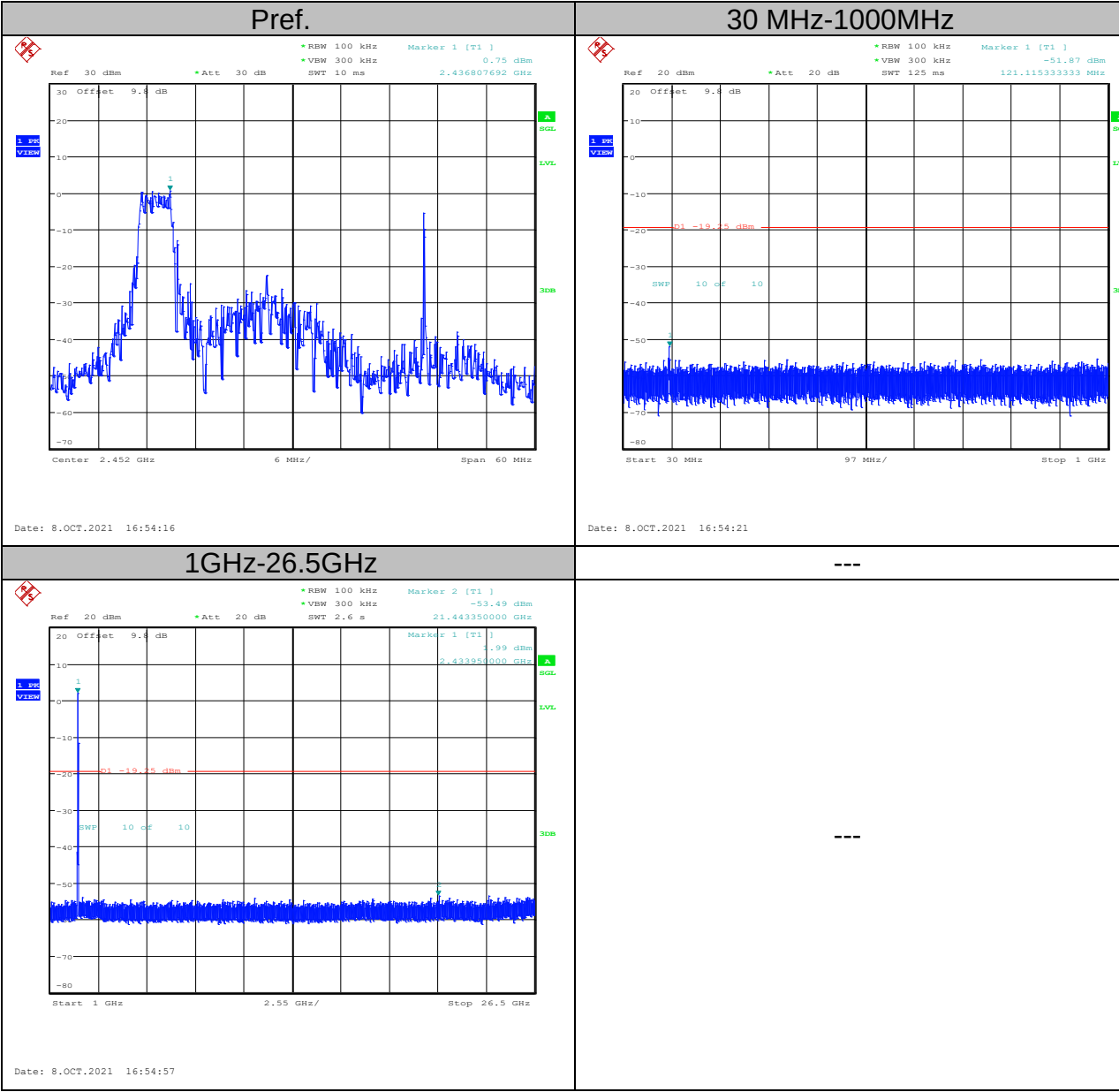
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Mid Channel
ANT 0



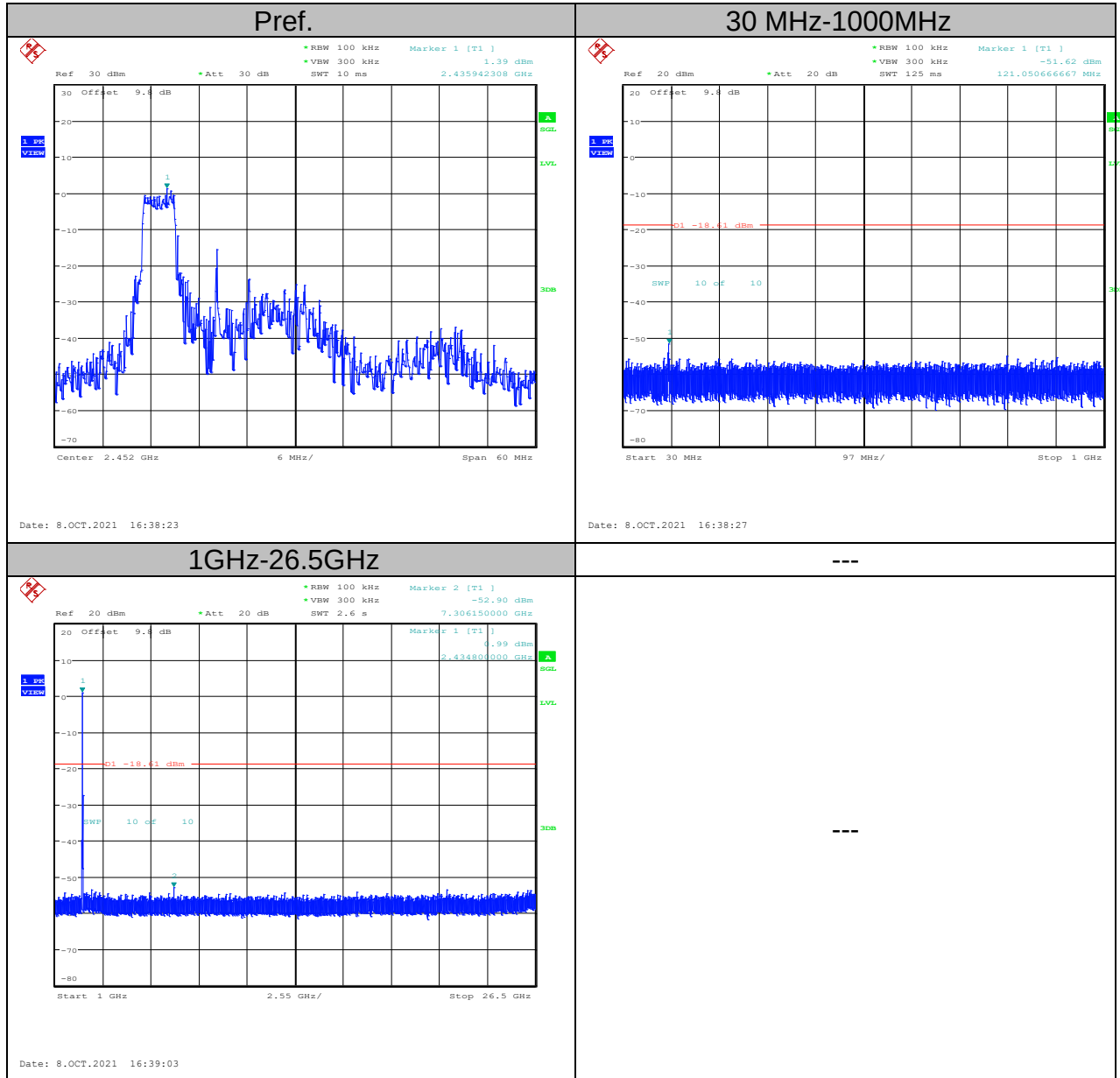
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Mid Channel
ANT 1



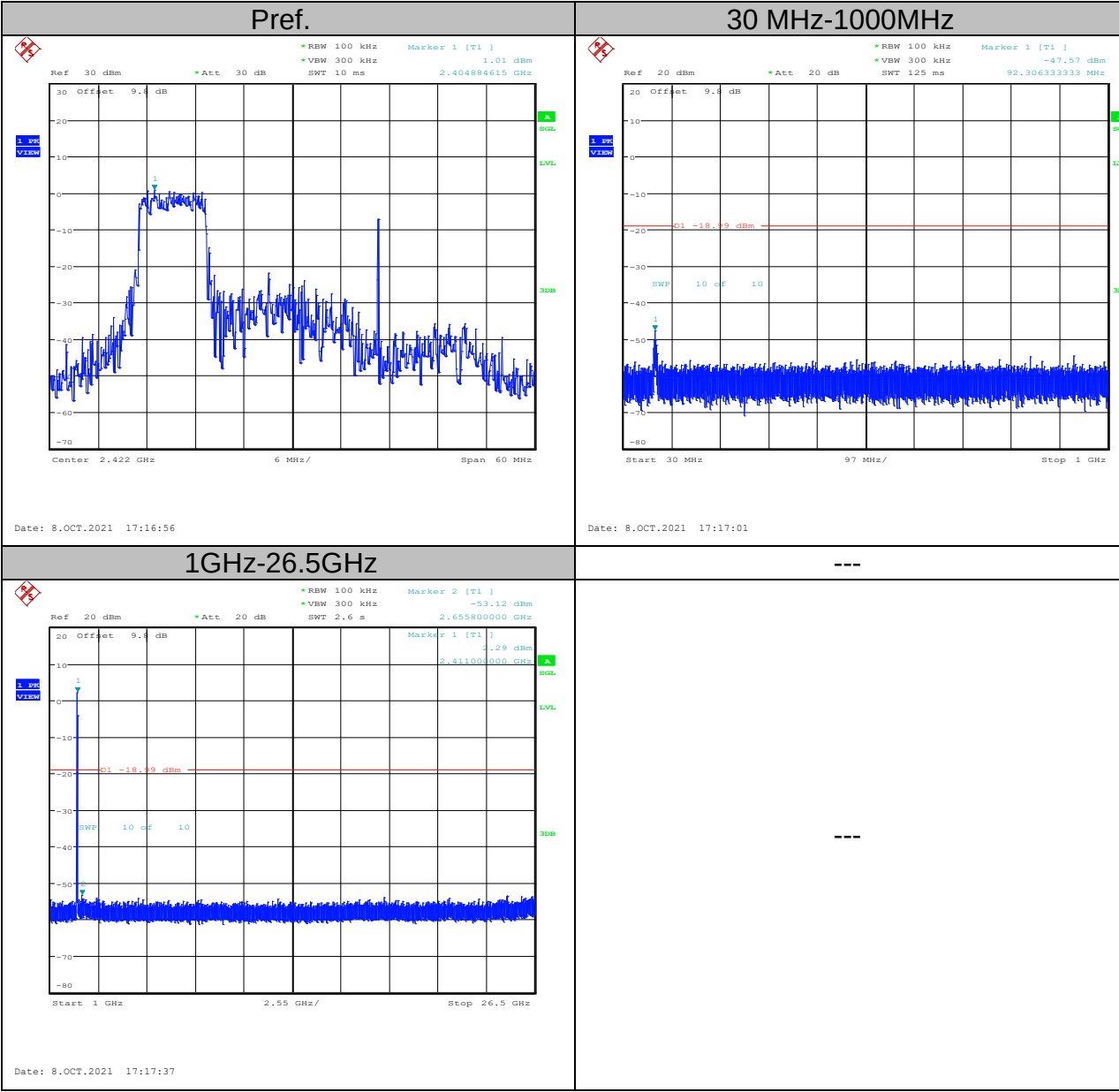
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High Channel
ANT 0



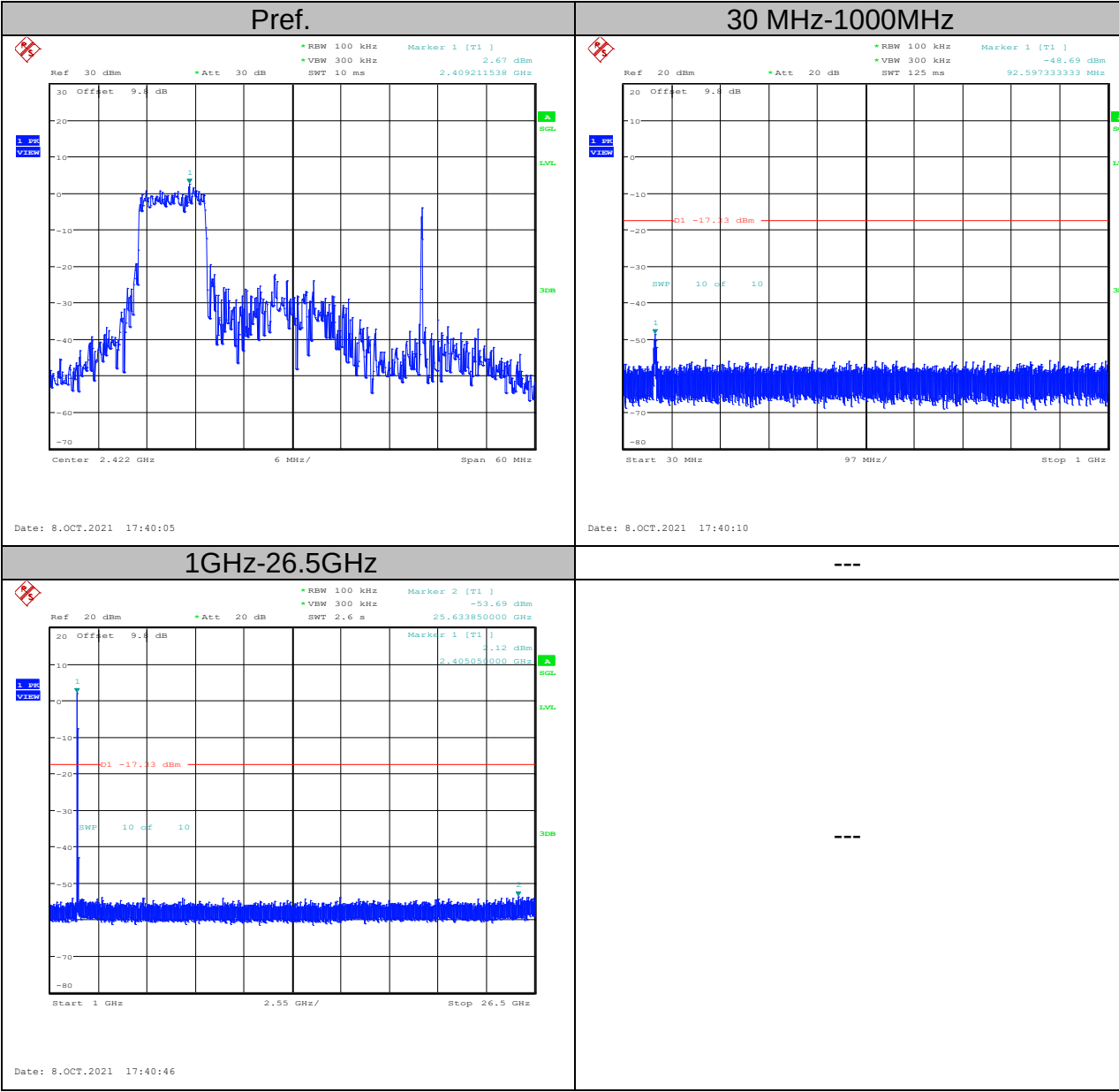
802.11ax-HEW40 RU52
High Channel
ANT 1



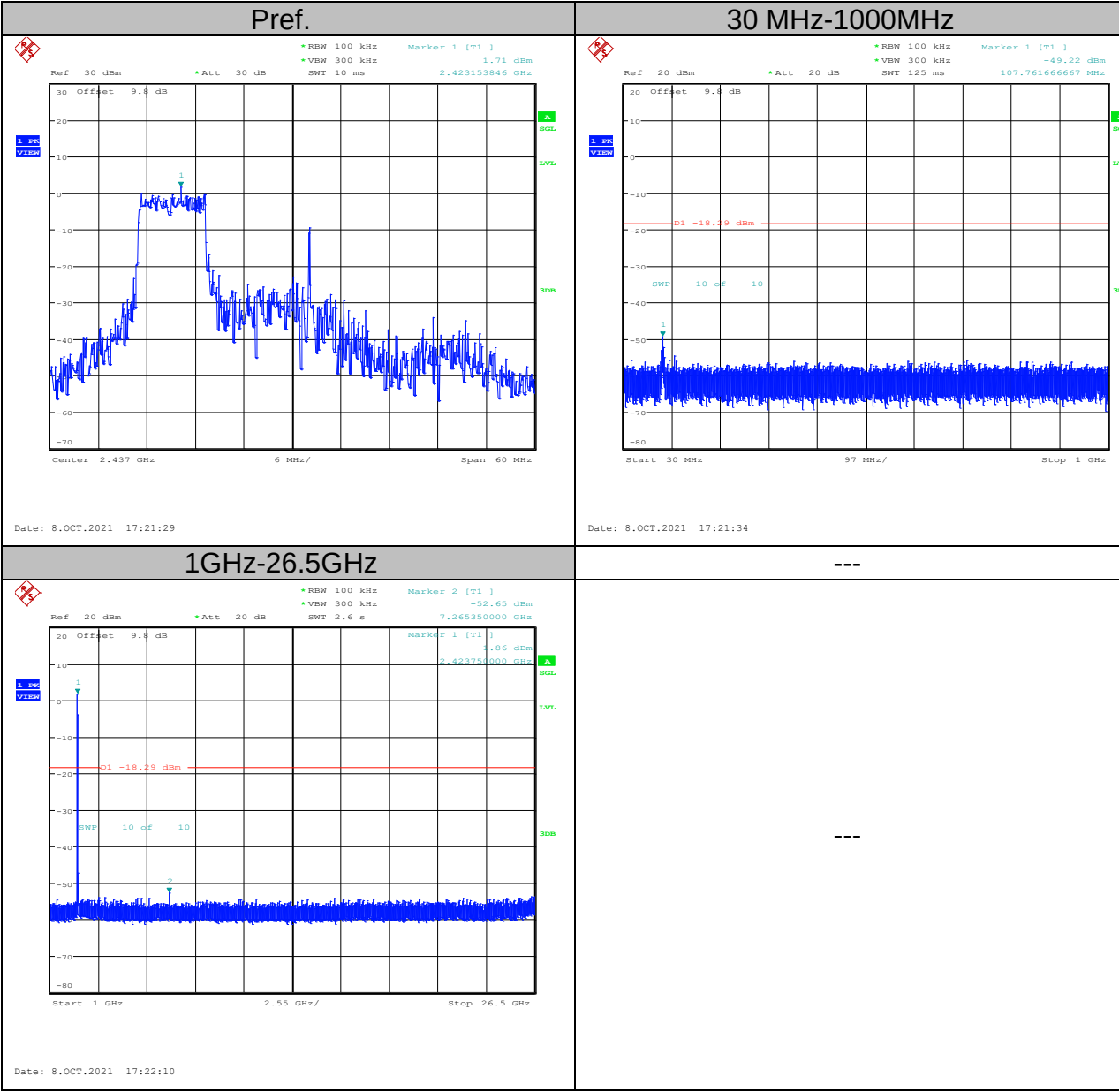
802.11ax-HEW40 RU106
Low Channel
ANT 0



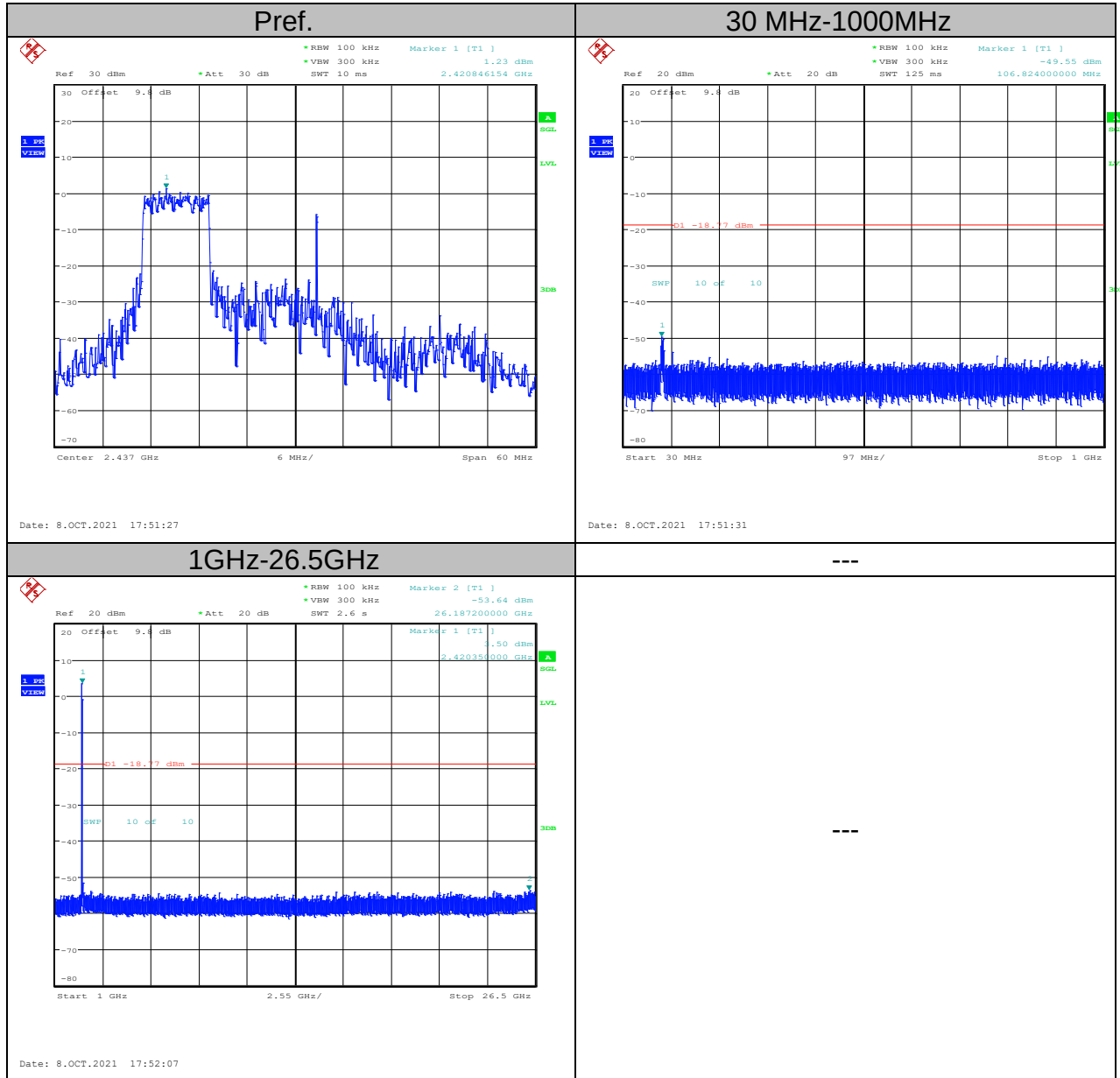
802.11ax-HEW40 RU106
Low Channel
ANT 1



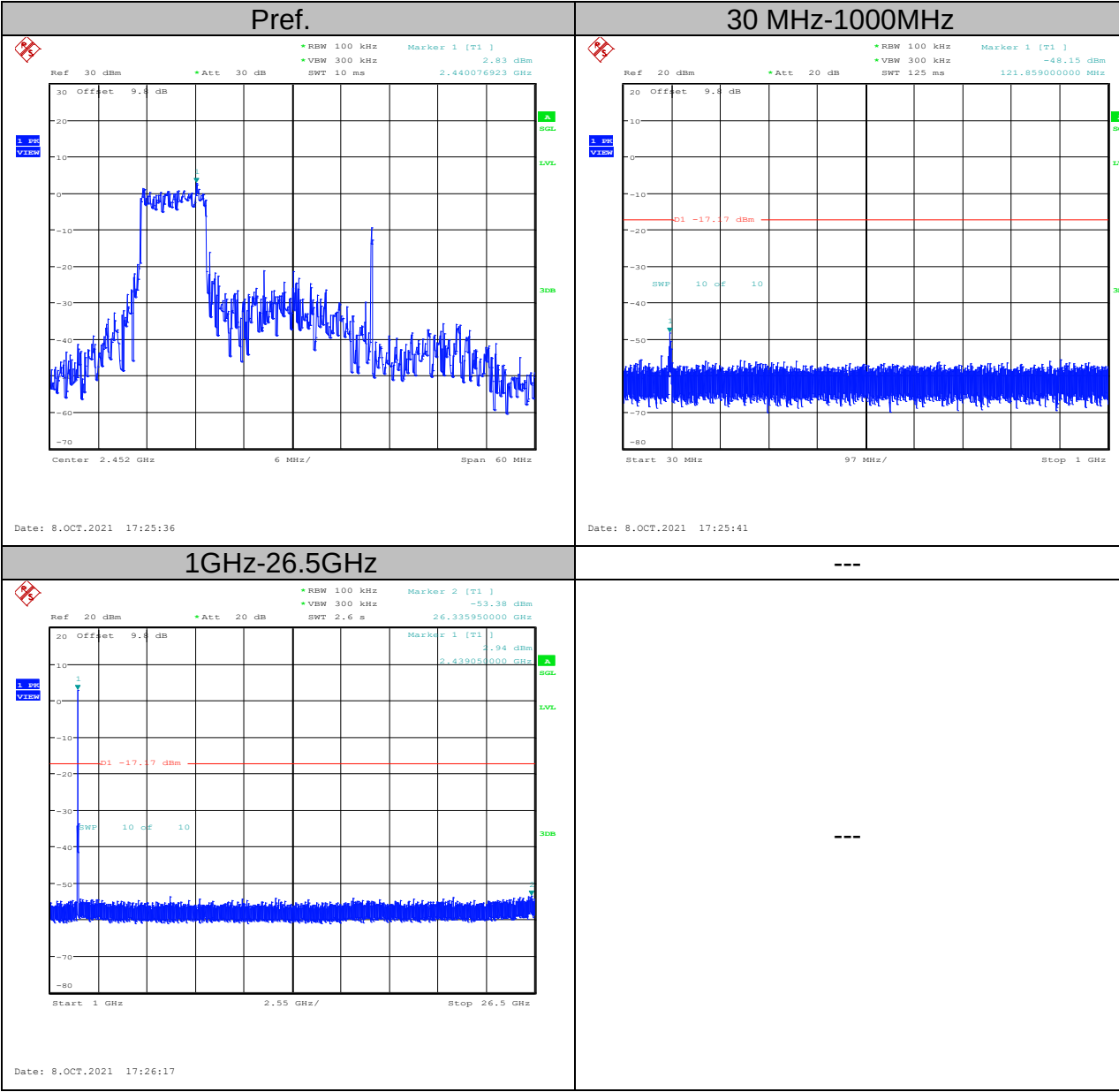
802.11ax-HEW40 RU106
Mid Channel
ANT 0



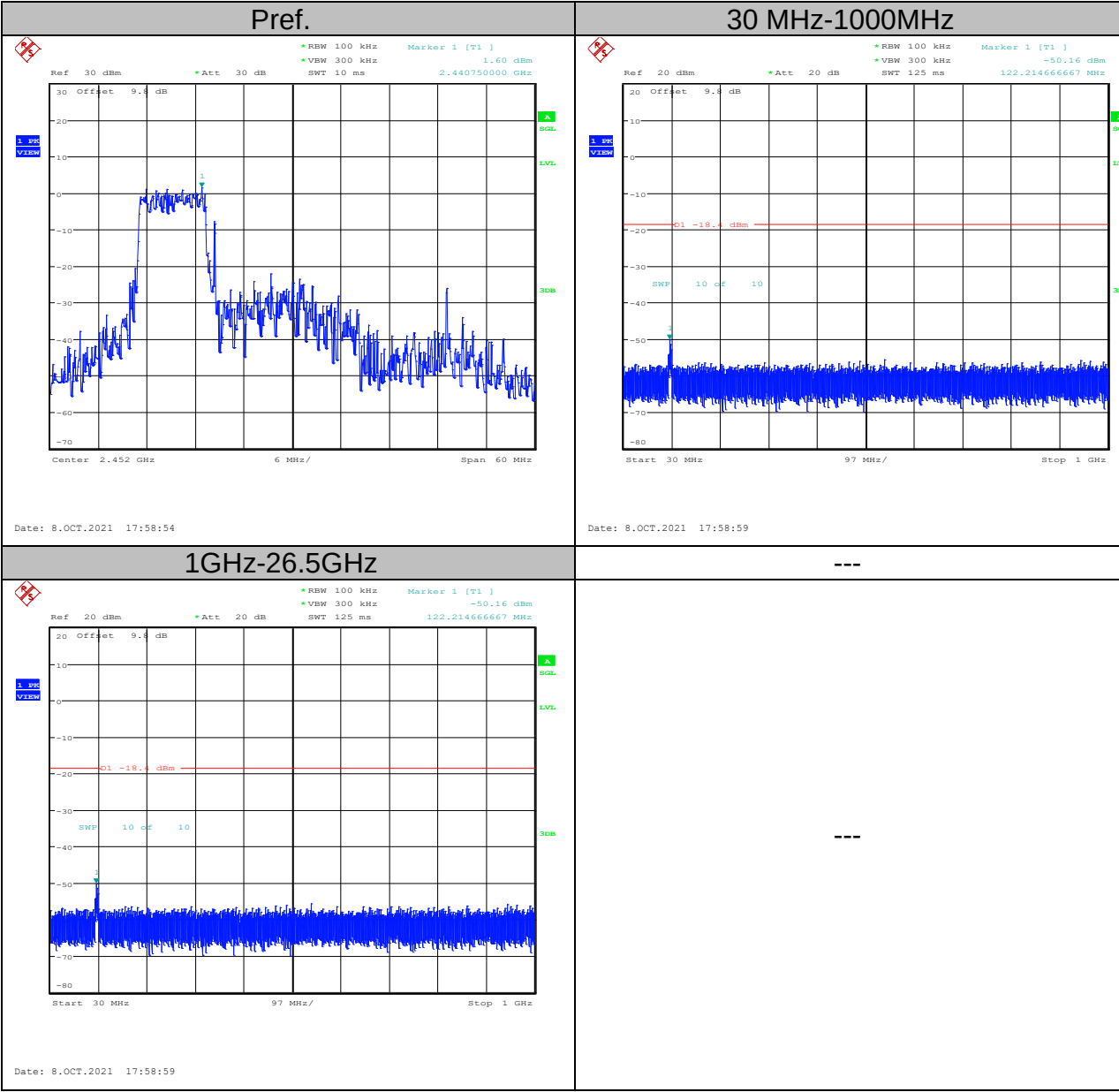
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Mid Channel
ANT 1



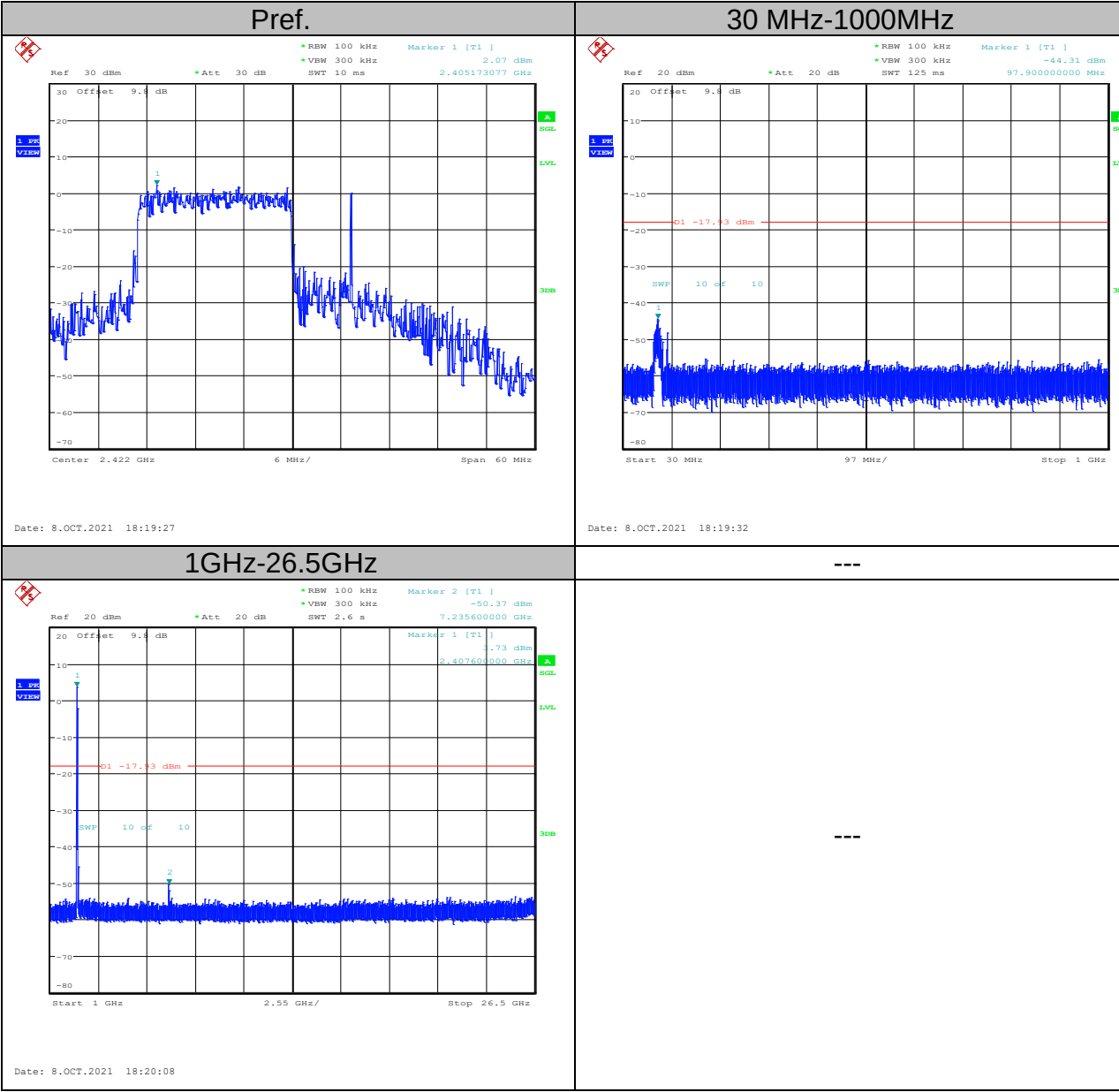
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High Channel
ANT 0



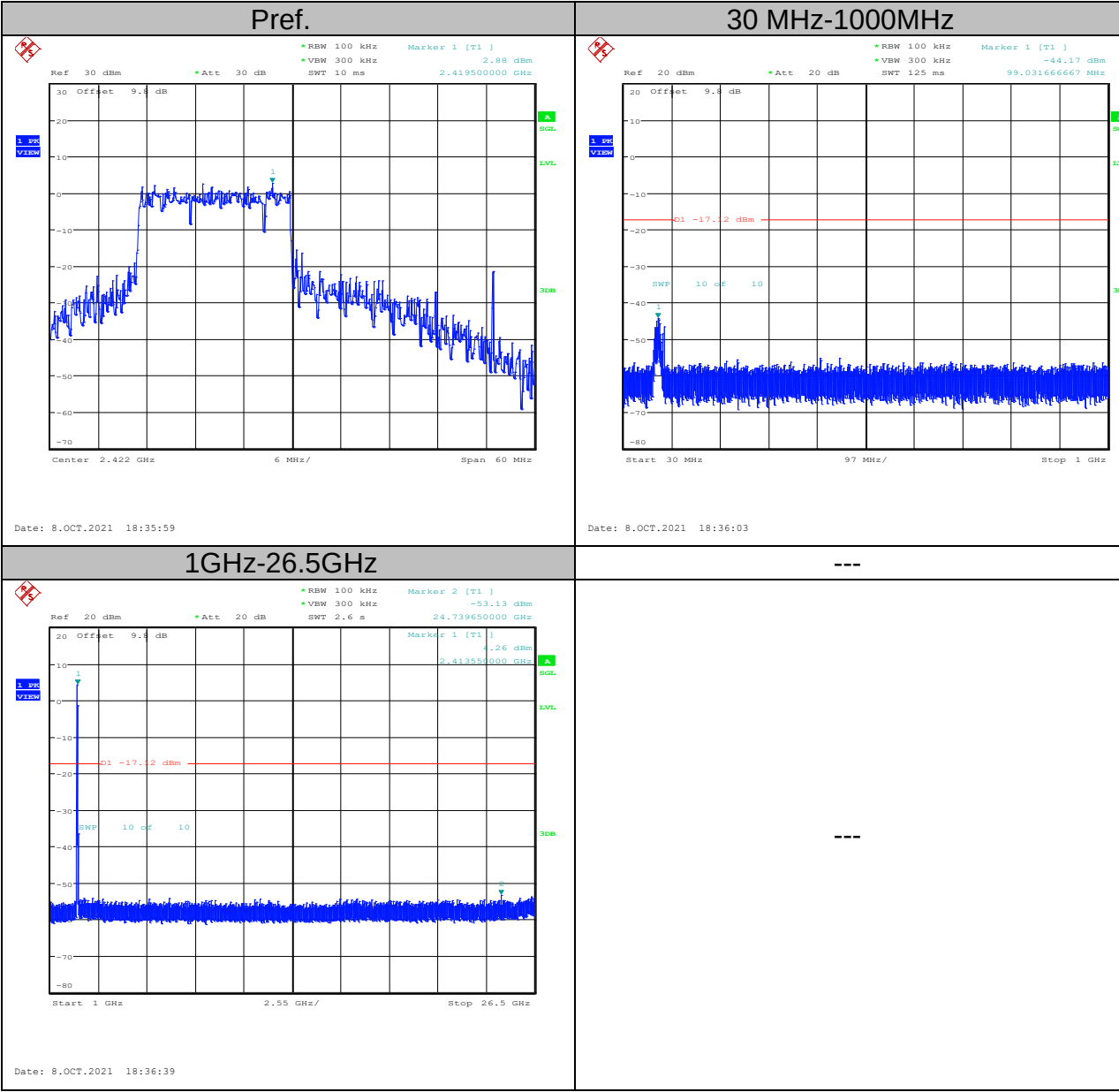
802.11ax-HEW40 RU106
High Channel
ANT 1



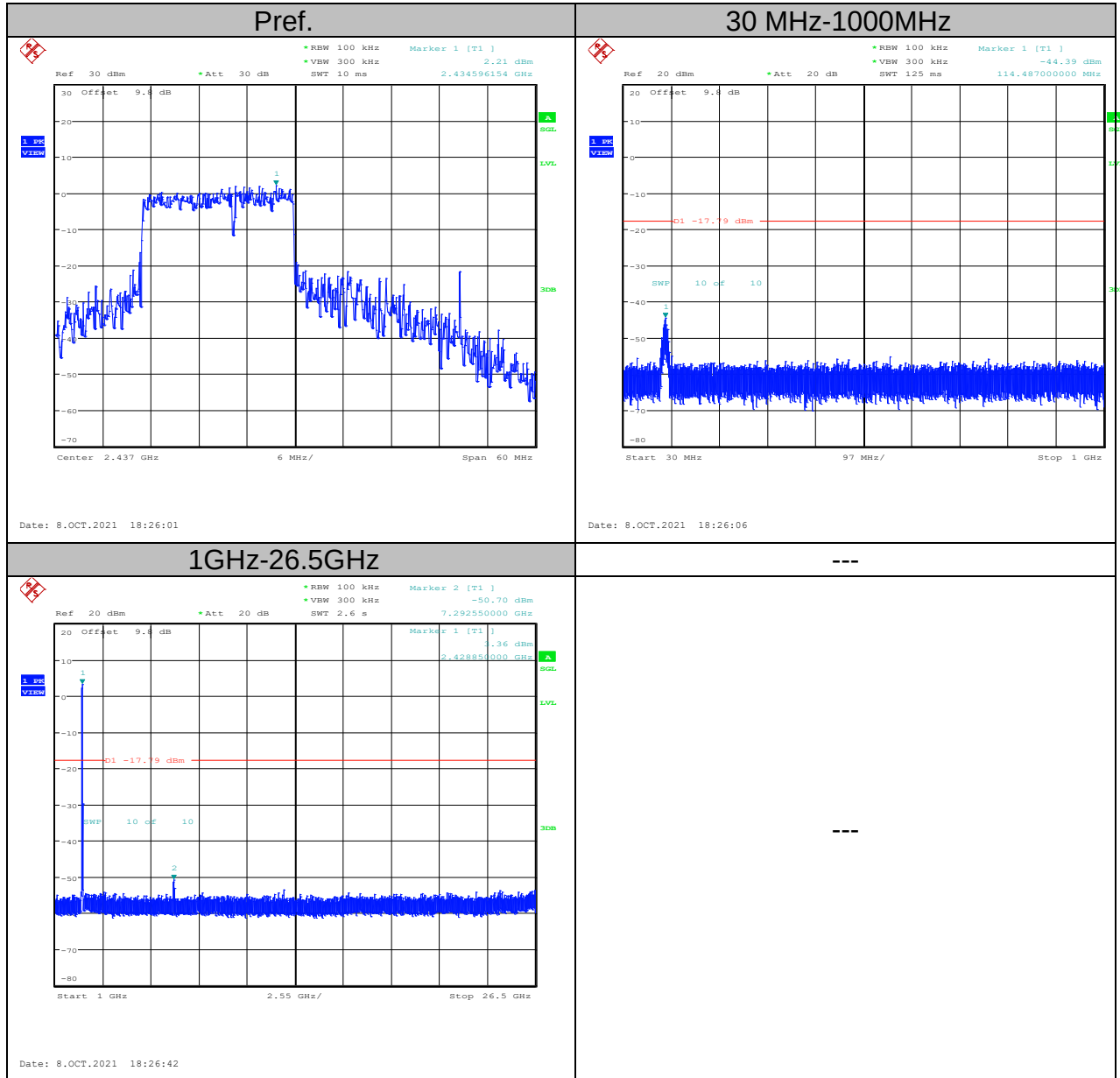
802.11ax-HEW40 RU242
Low Channel
ANT 0



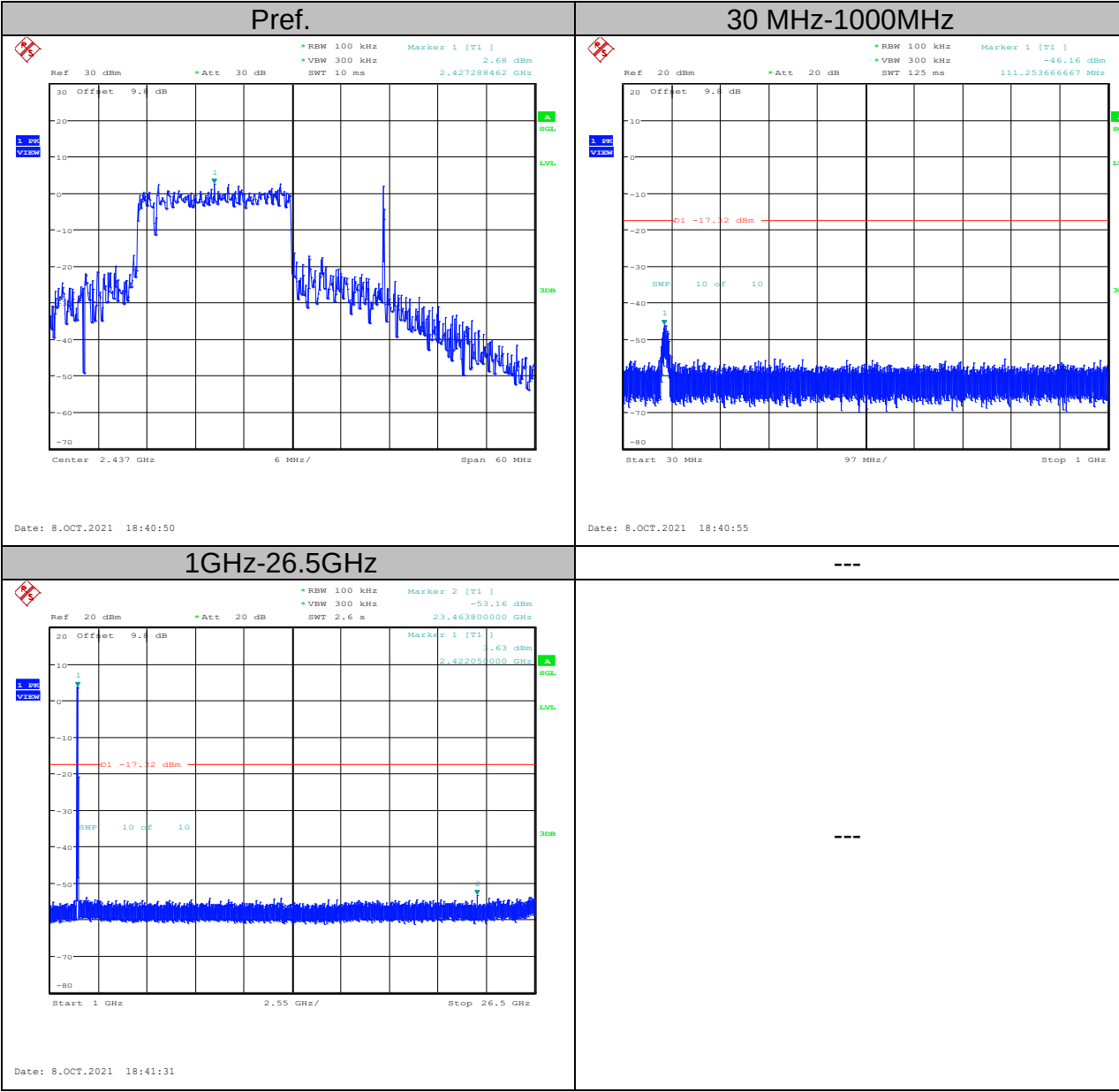
802.11ax-HEW40 RU242
Low Channel
ANT 1



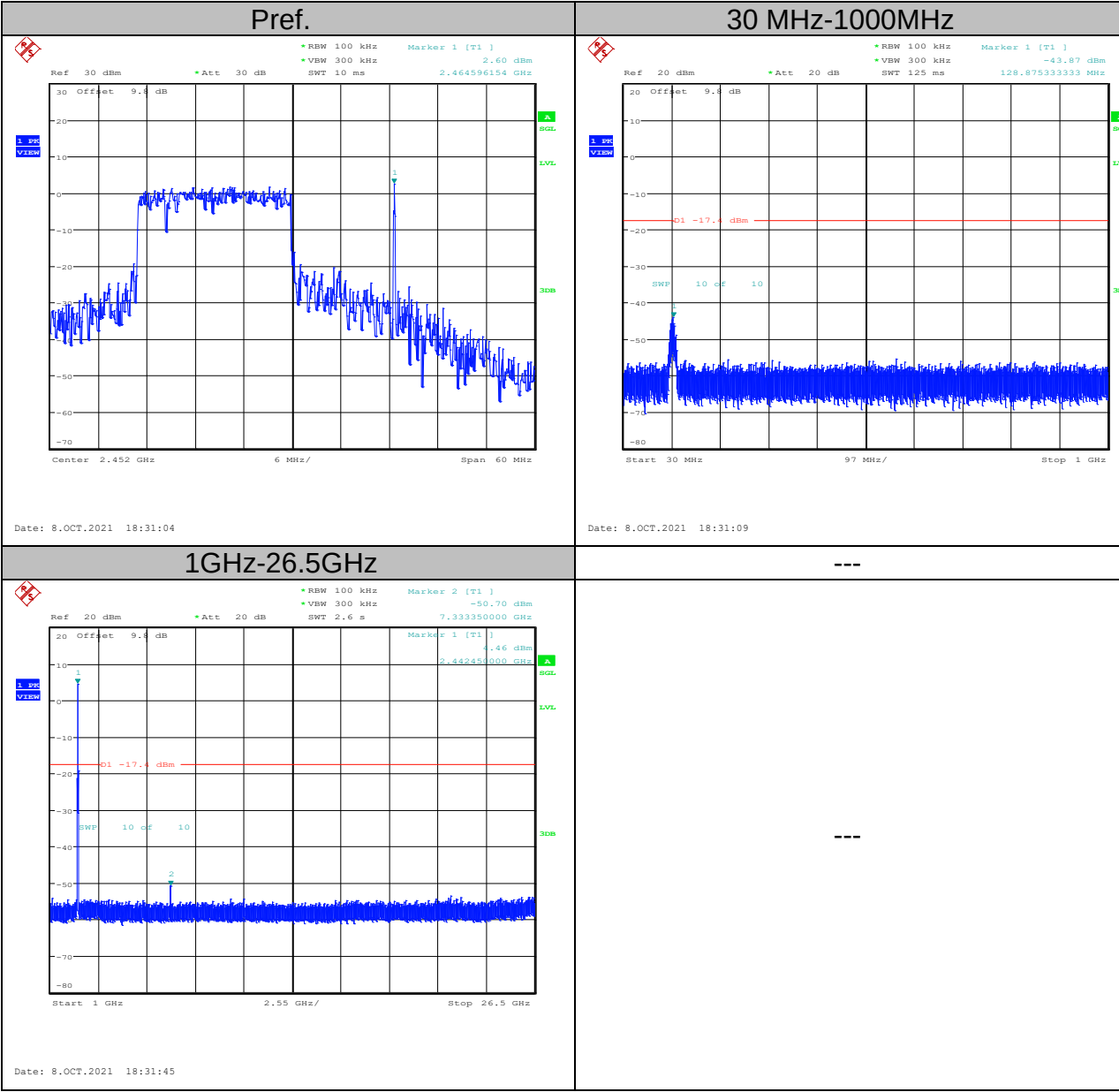
802.11ax-HEW40 RU242
Mid Channel
ANT 0



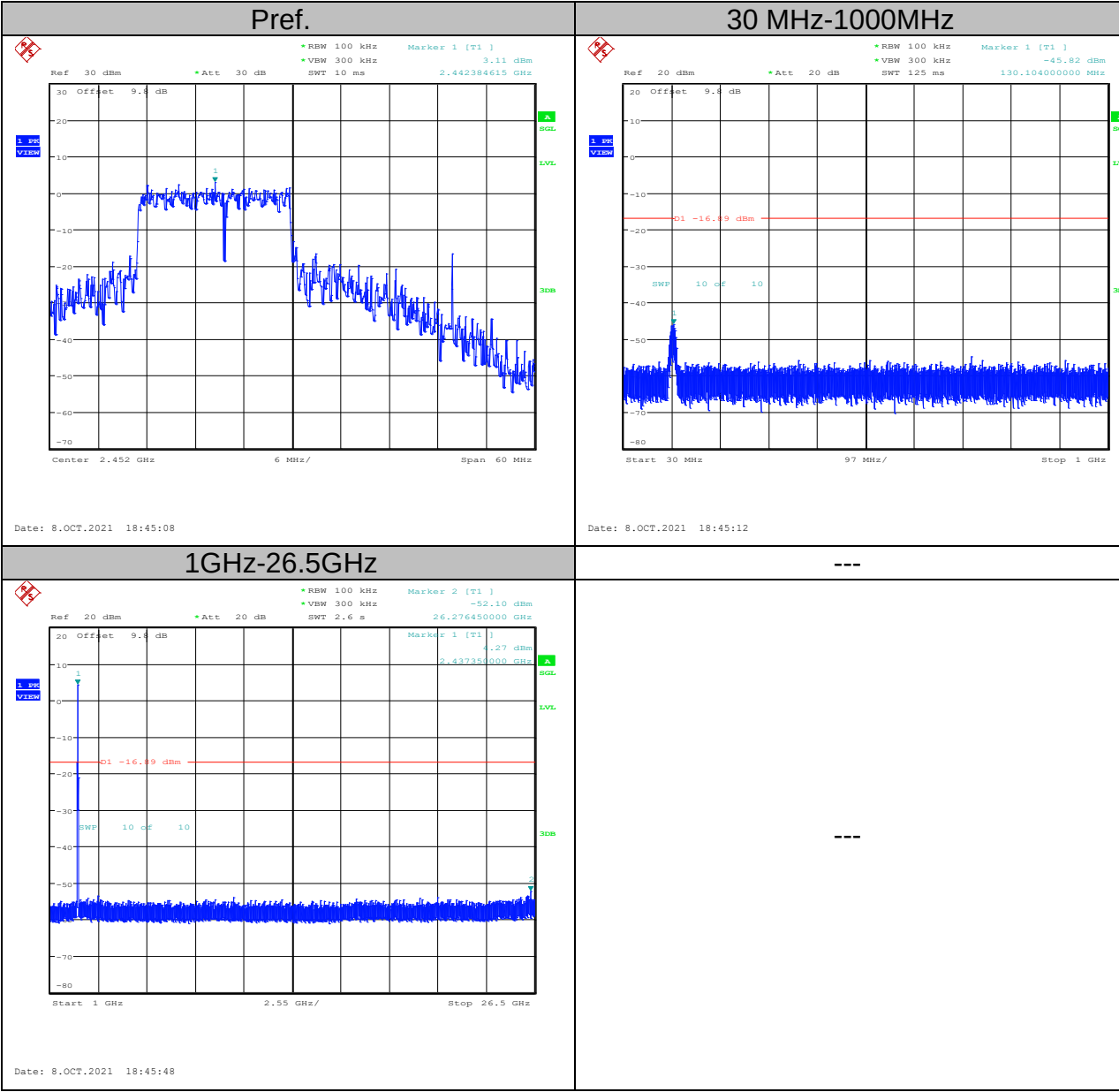
802.11ax-HEW40 RU242
Mid Channel
ANT 1



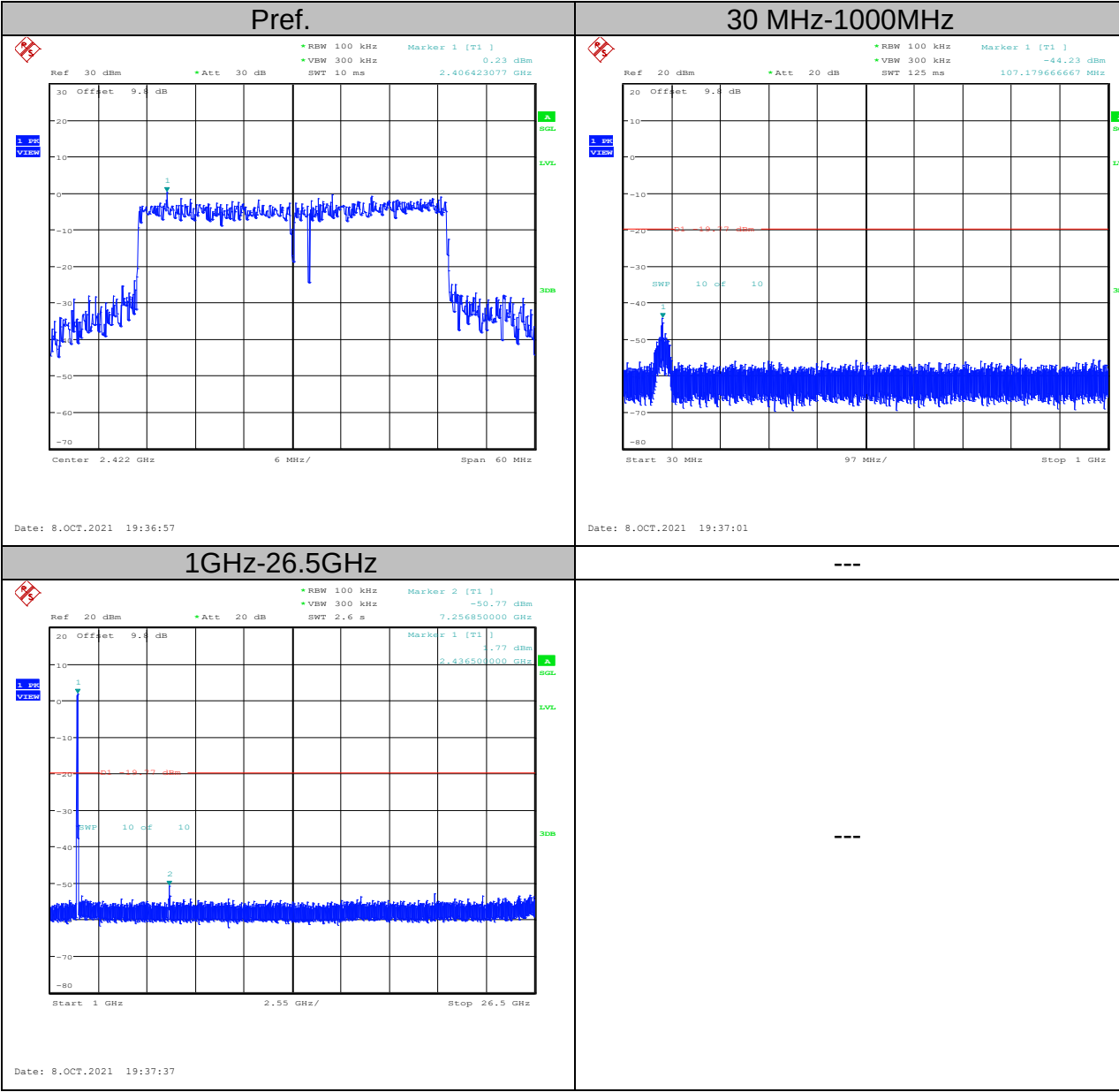
802.11ax-HEW40 RU242
High Channel
ANT 0



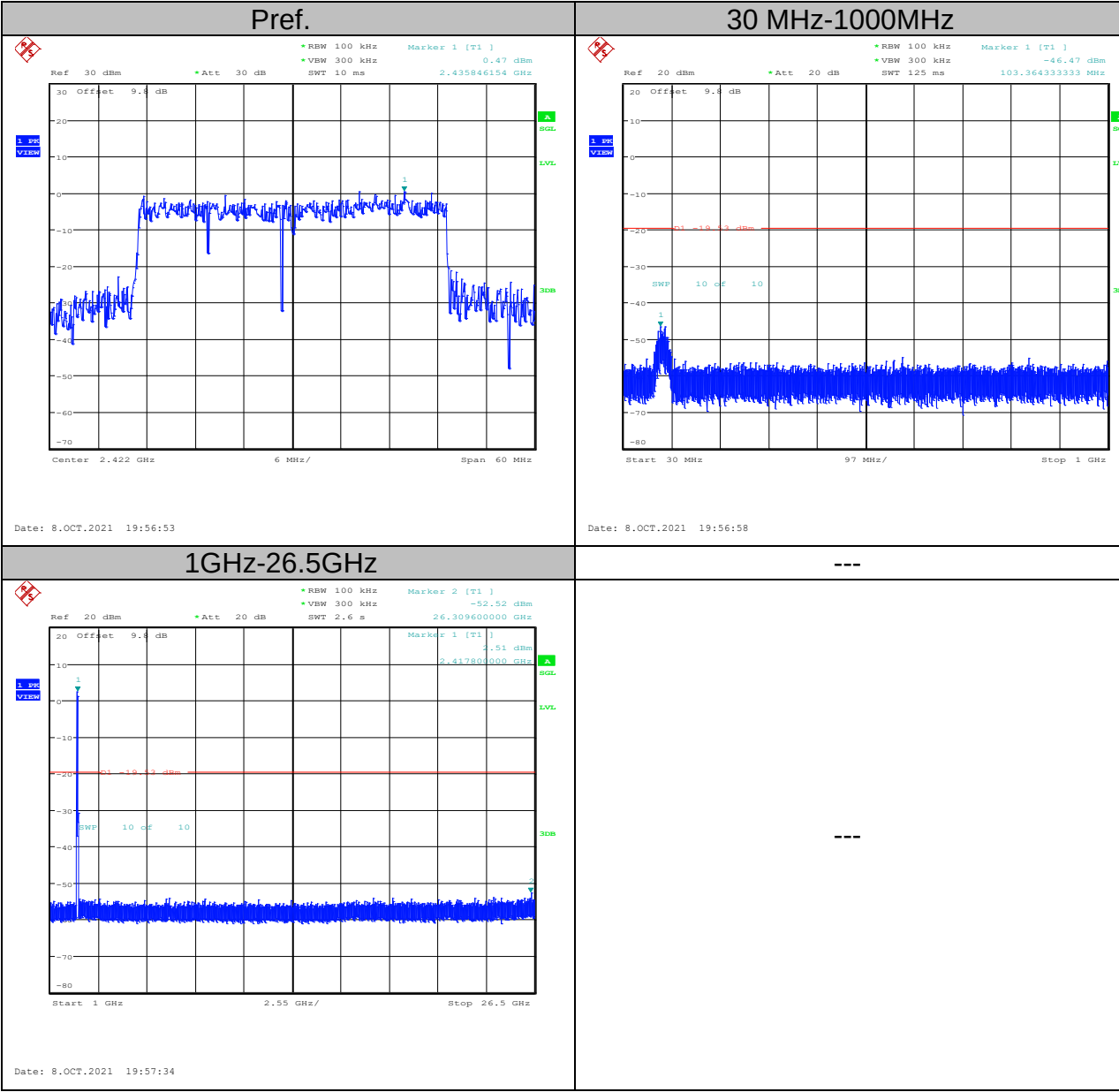
802.11ax-HEW40 RU242
High Channel
ANT 1



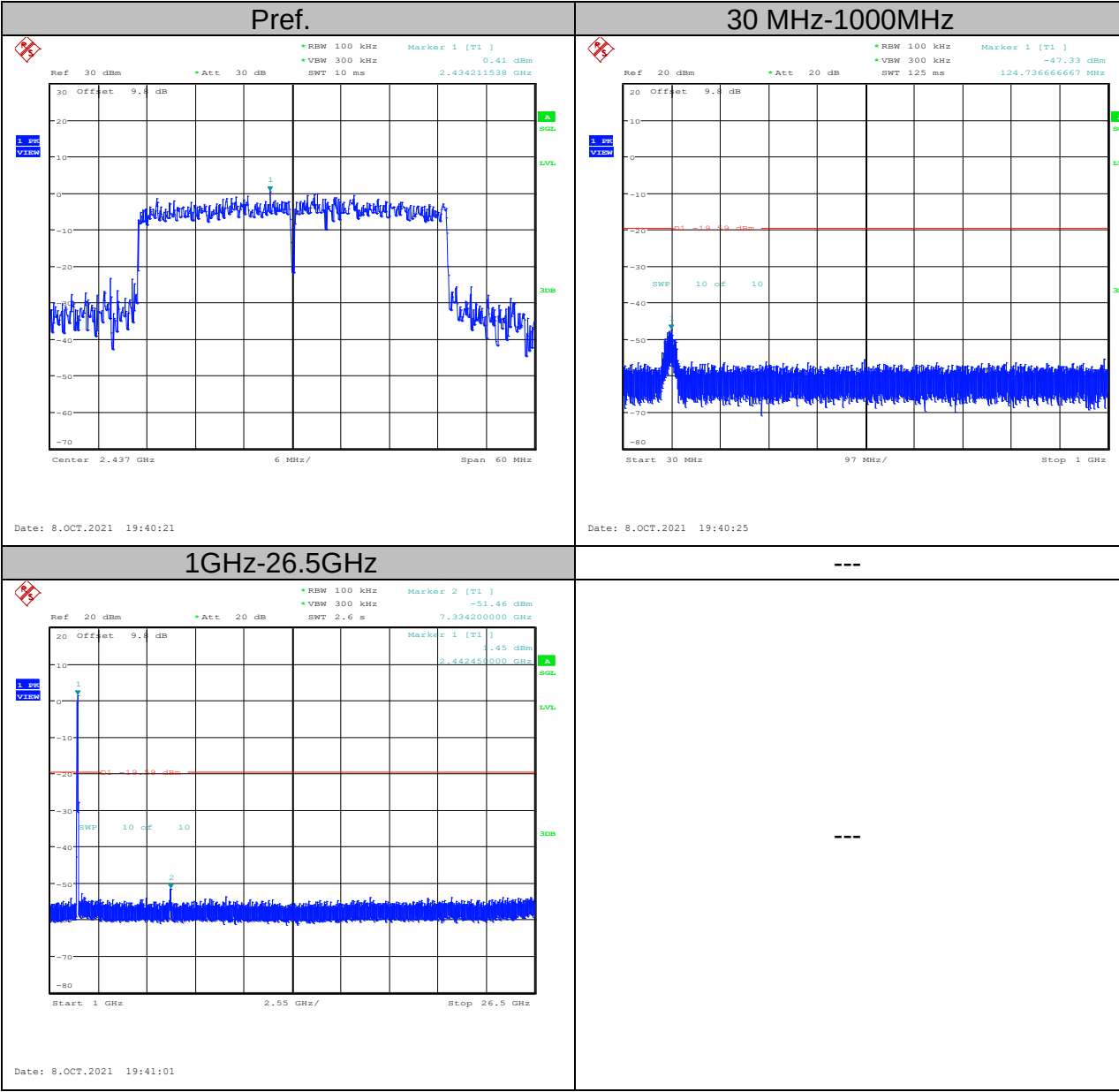
802.11ax-HEW40 RU484
Low Channel
ANT 0



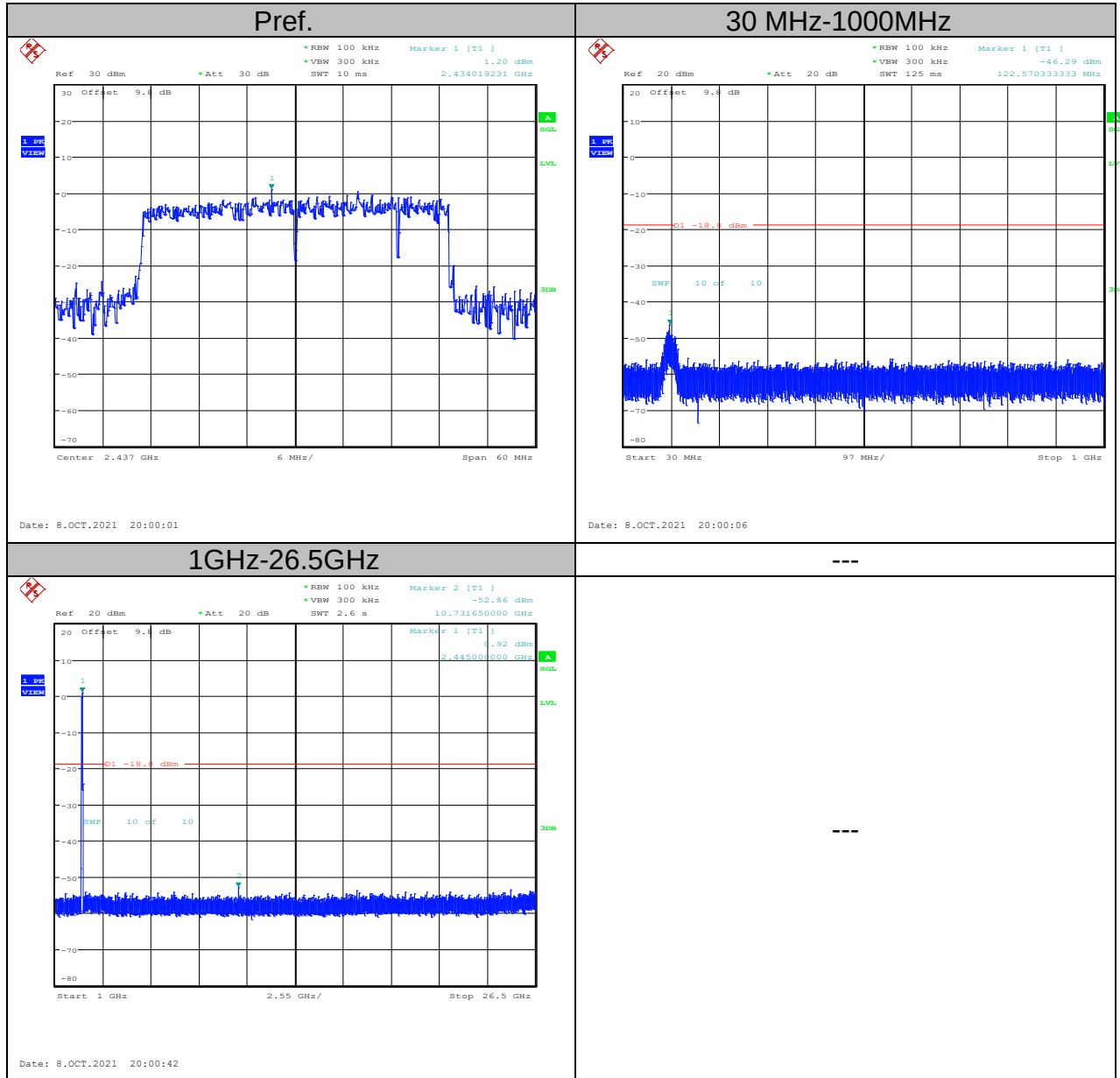
802.11ax-HEW40 RU484
Low Channel
ANT 1



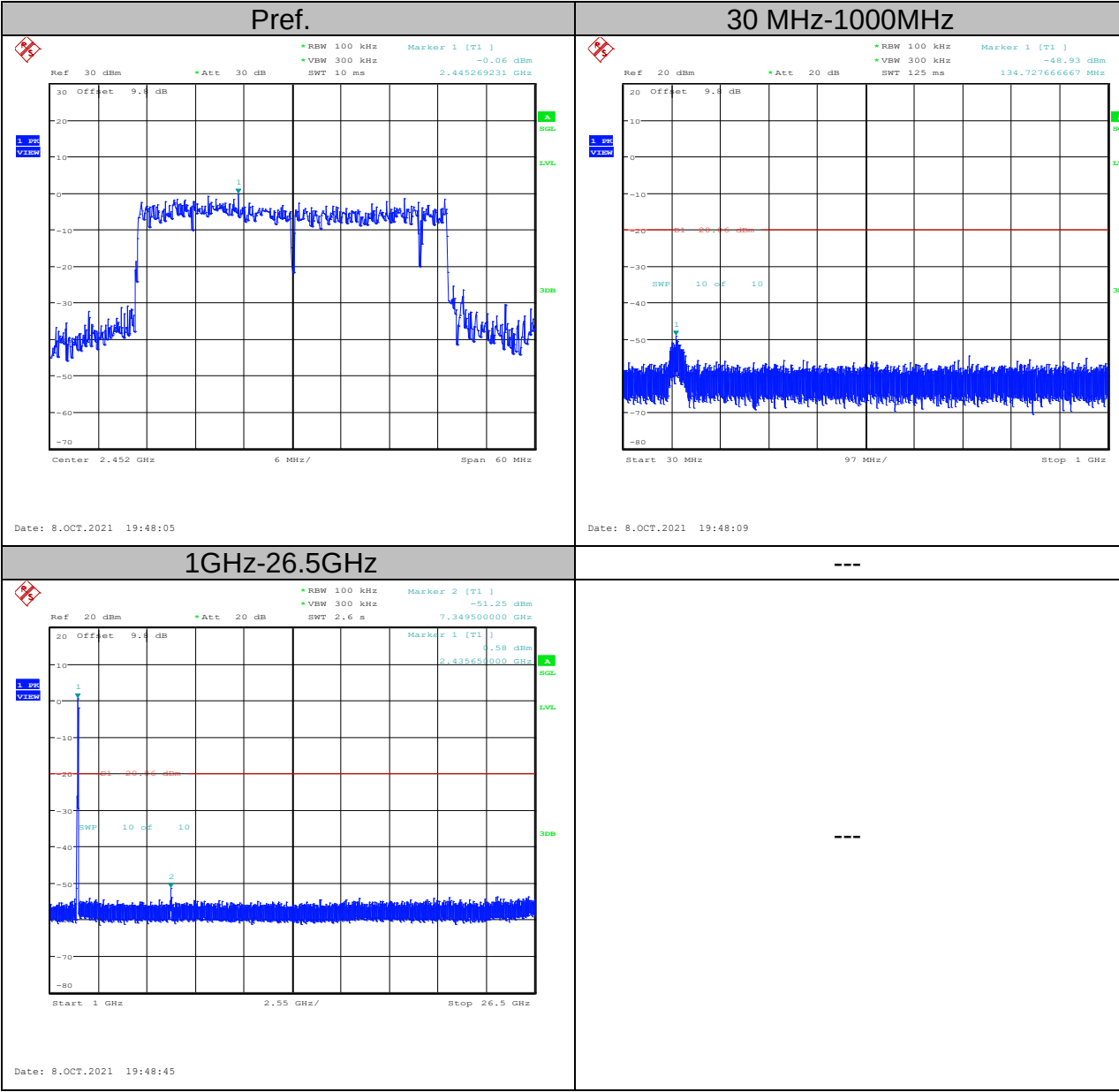
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Mid Channel
ANT 0



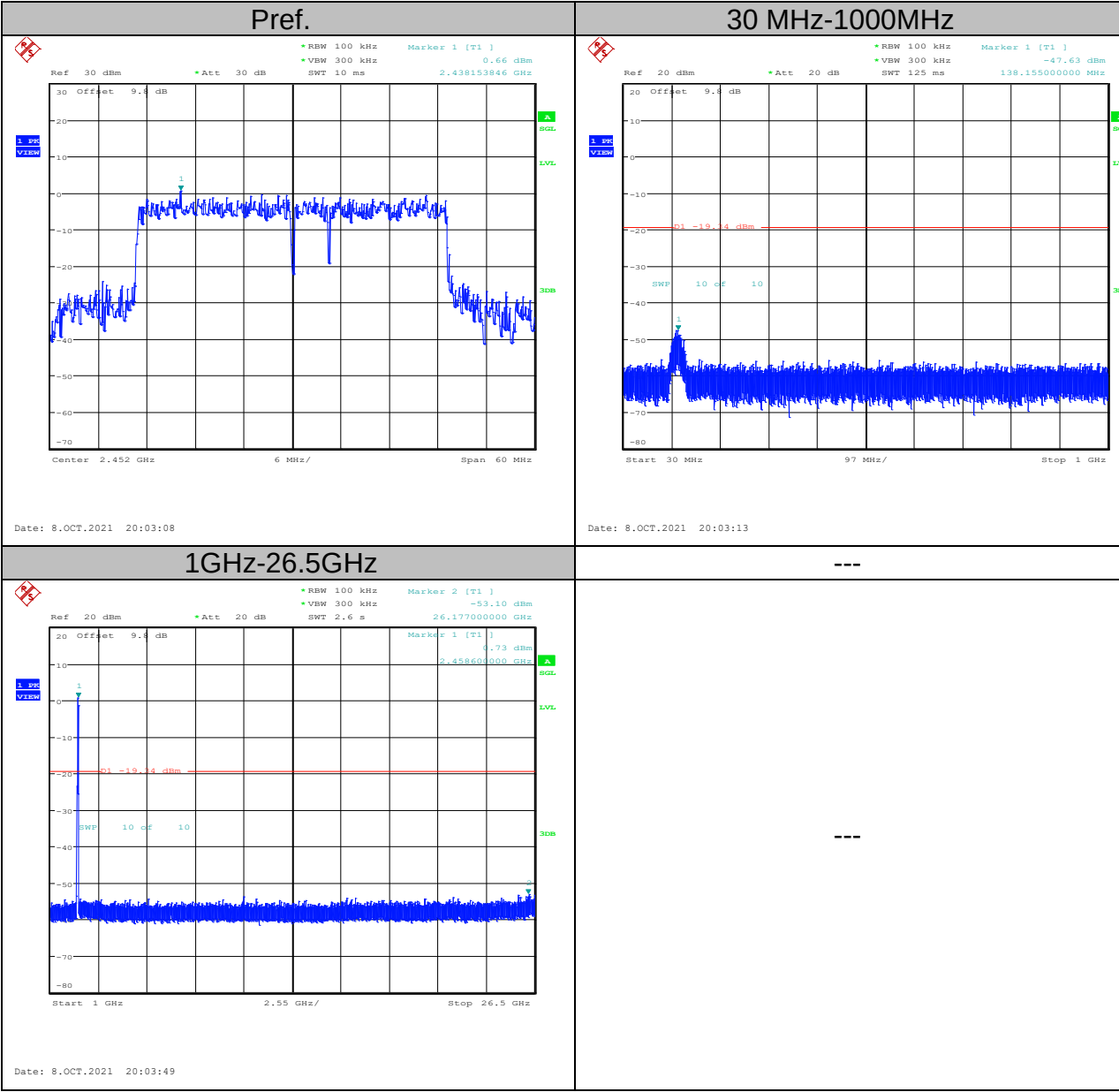
802.11ax-HEW40 RU484
Mid Channel
ANT 1



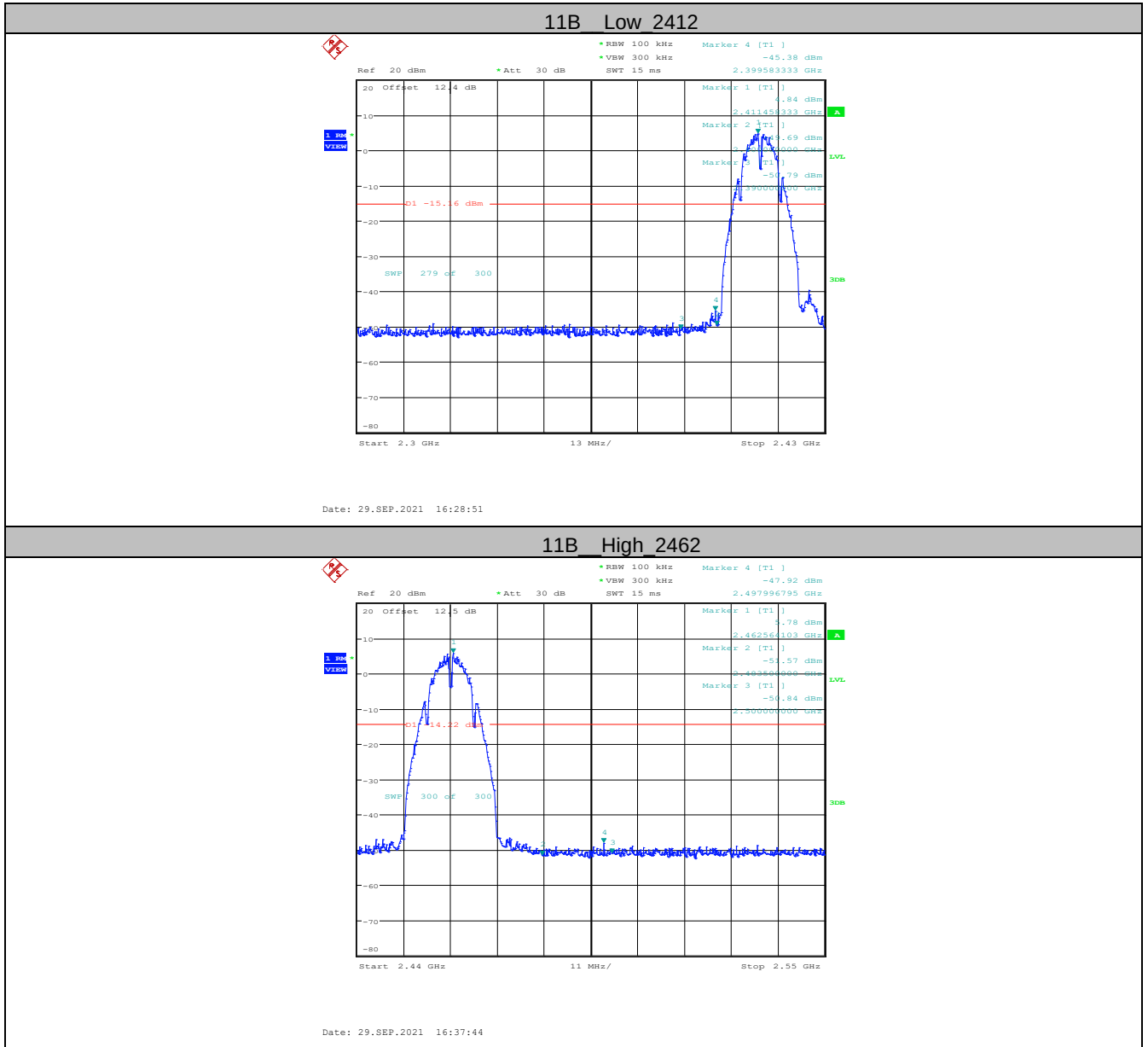
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High Channel
ANT 0



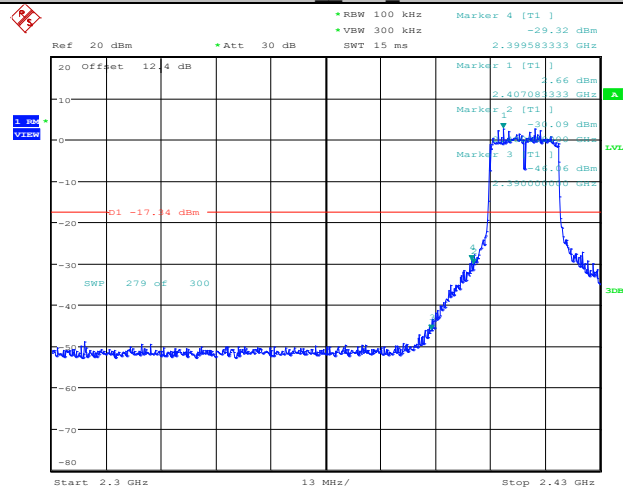
802.11ax-HEW40 RU484
High Channel
ANT 1



Band Edge ANTO

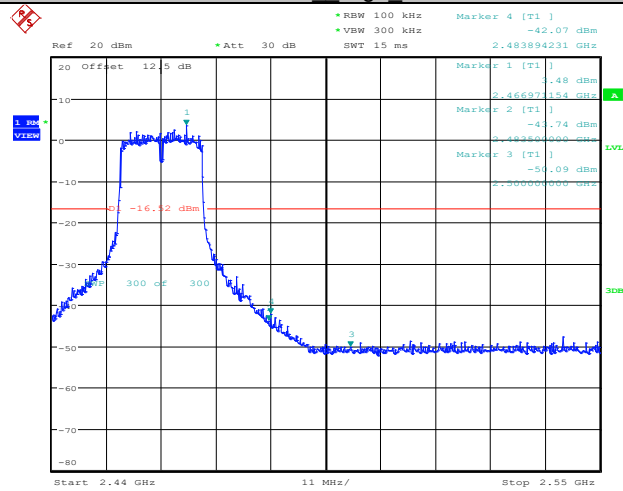


11G Low 2412



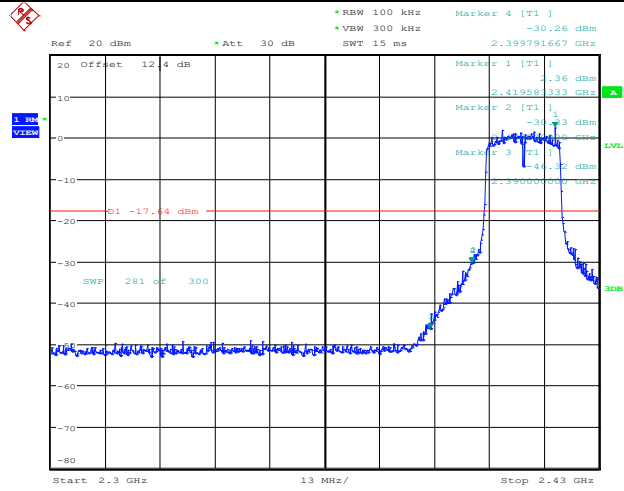
Date: 29.SEP.2021 16:43:18

11G High 2462



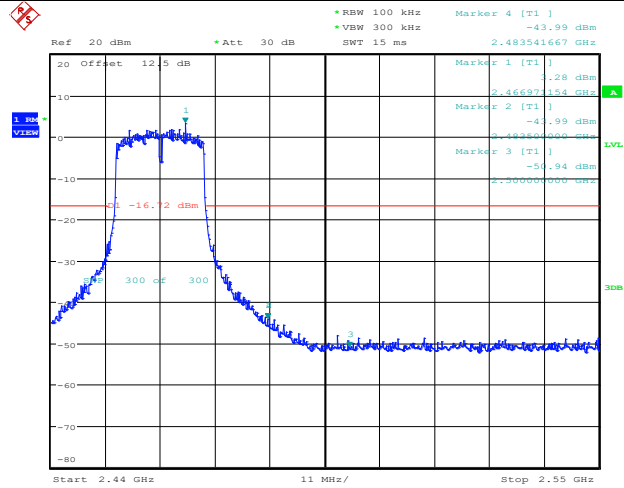
Date: 29.SEP.2021 16:55:07

11N20 Low 2412



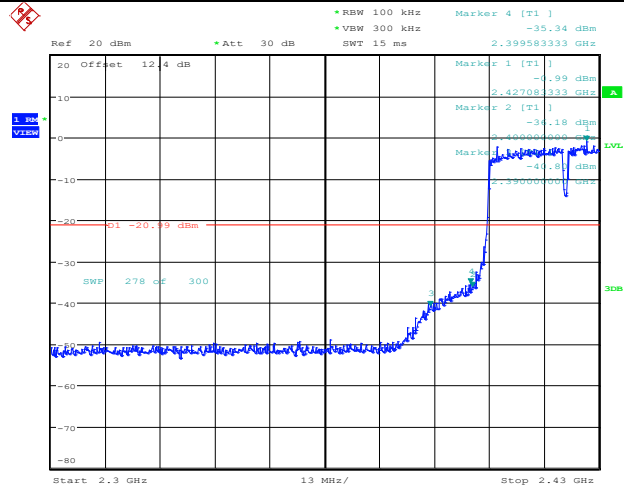
Date: 29.SEP.2021 17:00:10

11N20 High 2462



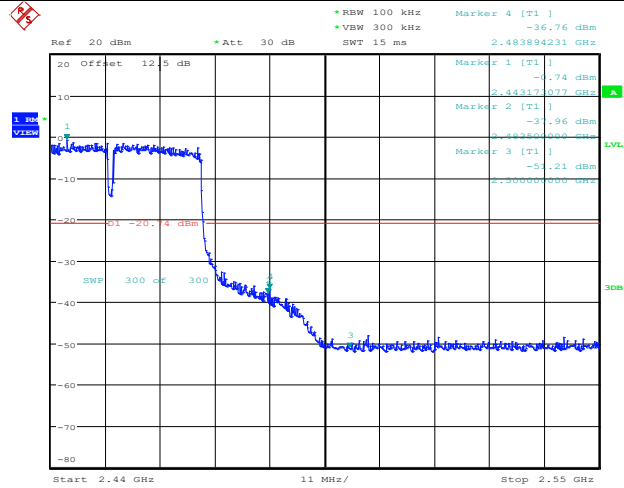
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11N40 Low 2422



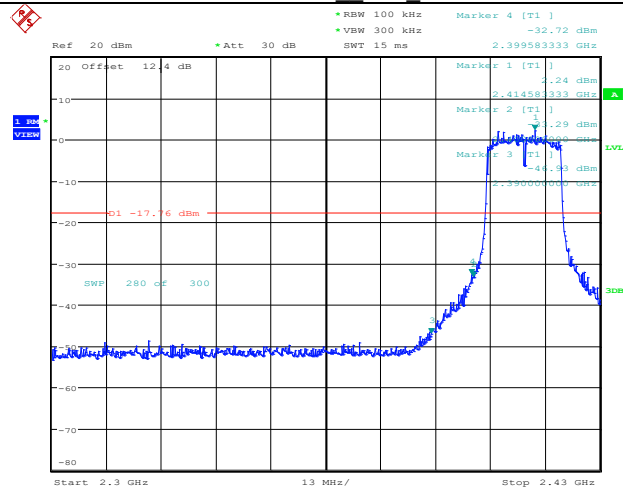
Date: 29.SEP.2021 17:55:23

11N40 High 2452



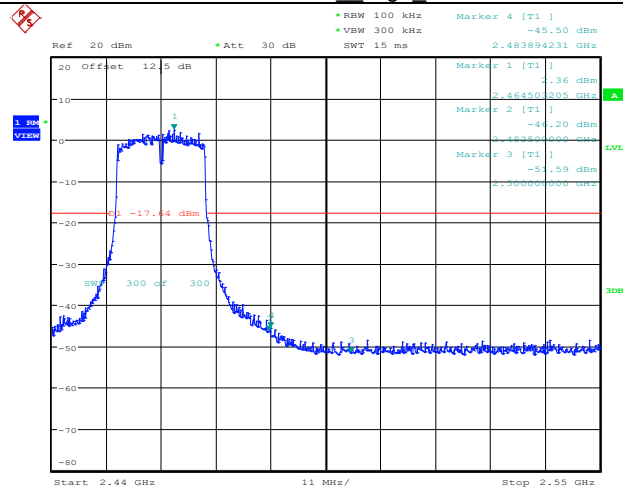
Date: 29.SEP.2021 18:04:07

11AC20 Low 2412



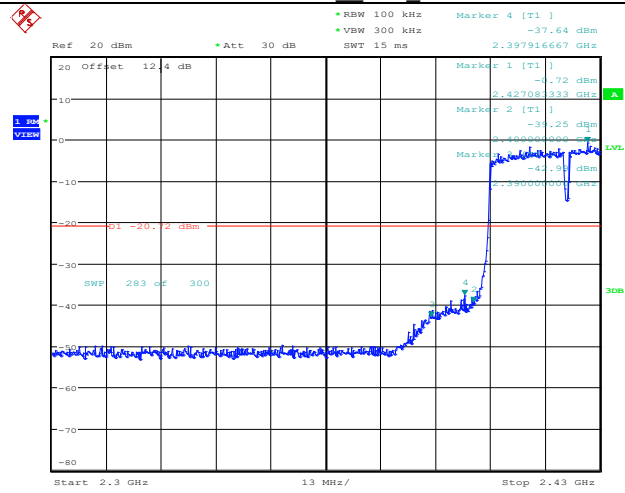
Date: 29.SEP.2021 20:33:41

11AC 20 High 2462



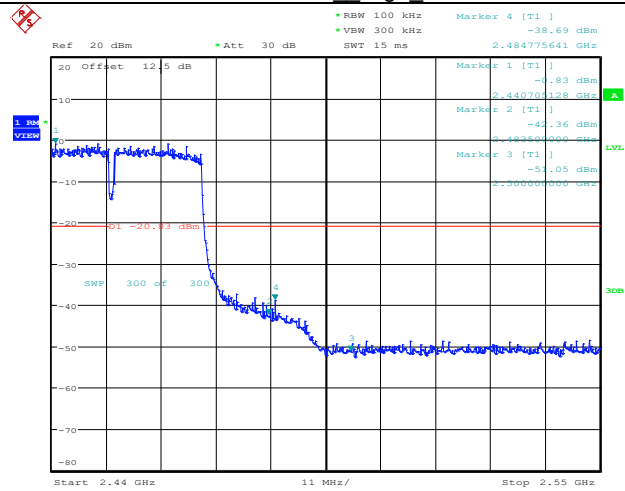
Date: 29.SEP.2021 20:40:51

11AC40 Low 2422



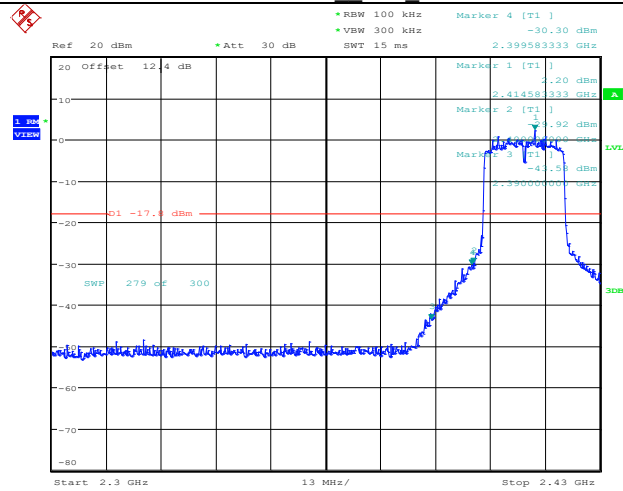
Date: 29.SEP.2021 20:45:18

11AC40 High 2452



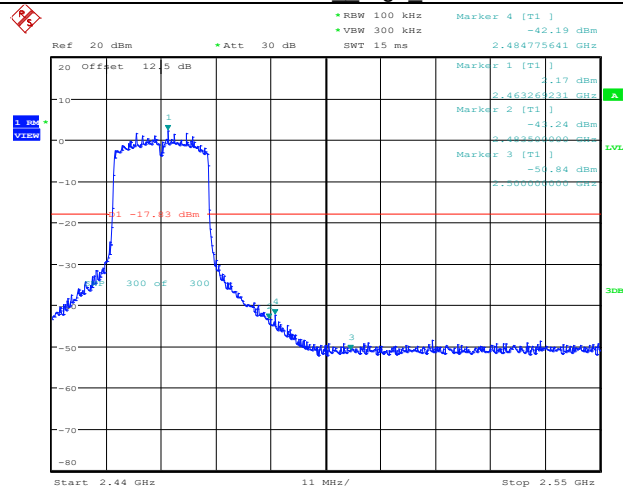
Date: 29.SEP.2021 20:53:33

11AX20 Low 2412



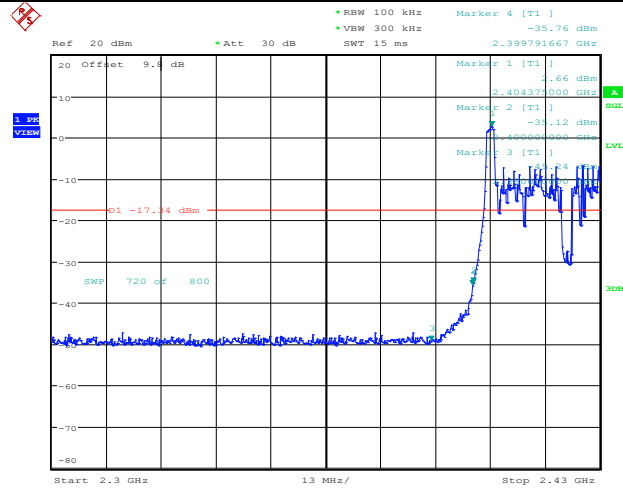
Date: 29.SEP.2021 18:10:46

11AX20 High 2462



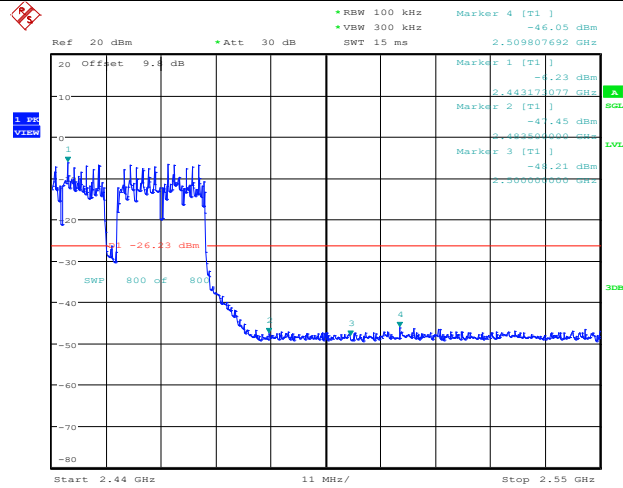
Date: 29.SEP.2021 18:17:43

11AX40 Low 2422 RU26



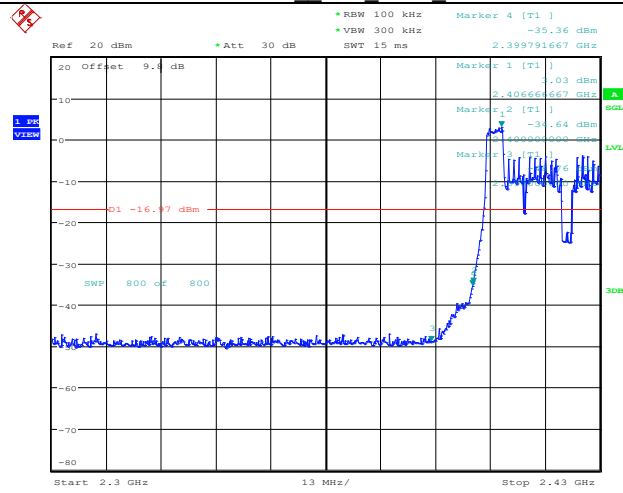
Date: 9.OCT.2021 19:23:32

11AX40 High 2452 RU26



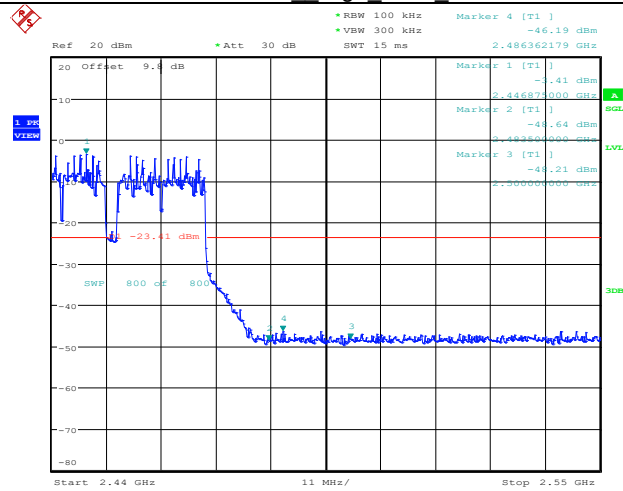
Date: 9.OCT.2021 19:25:25

11AX40 Low 2422 RU52



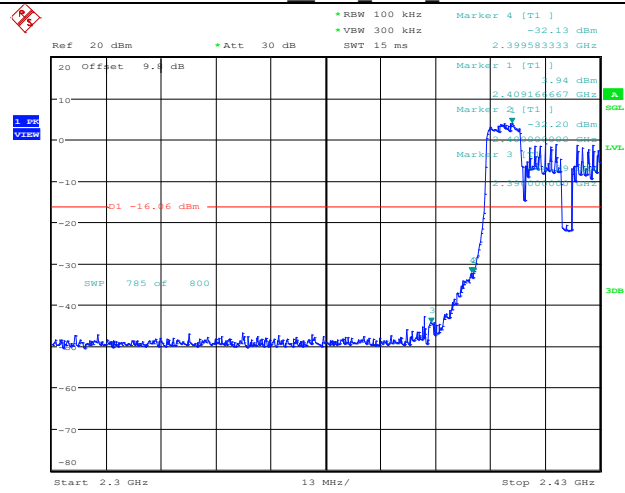
Date: 9.OCT.2021 19:42:44

11AX40 High 2452 RU52



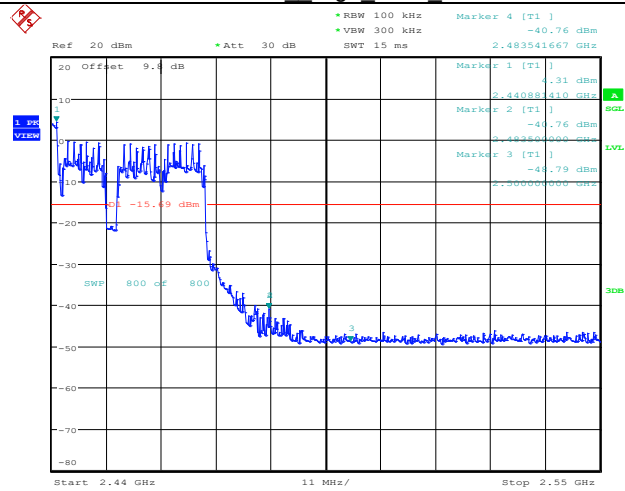
Date: 9.OCT.2021 19:43:32

11AX40 Low 2422 RU106



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

11AX40 High 2452 RU106



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

Ref 20 dBm *Att 30 dB SWT 15 ms 2.399375000 GHz

20 Offset 9.4 dB

Marker 1 [T1] -19.93 dBm

Marker 2 [T1] -15.09 dBm

Marker 3 [T1] -30.73 dBm

SWF 651 of 800

Start 2.3 GHz 13 MHz/ Stop 2.4 GHz

Ref 20 dBm *Att 30 dB SWT 15 ms 2.483541667 GHz

20 Offset 9.4 dB

Marker 1 [T1] -1.41 dBm 2.441939103 GHz

Marker 2 [T1] -2.10 dBm 2.442600000 GHz

Marker 3 [T1] -4.81 dBm 2.500000000 GHz

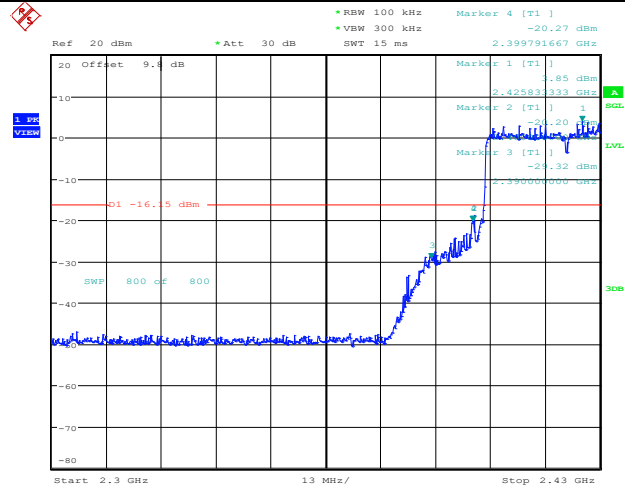
-14.59 dBm

SWF 656 cF 800

Start 2.44 GHz 11 MHz/ Stop 2.55 GHz

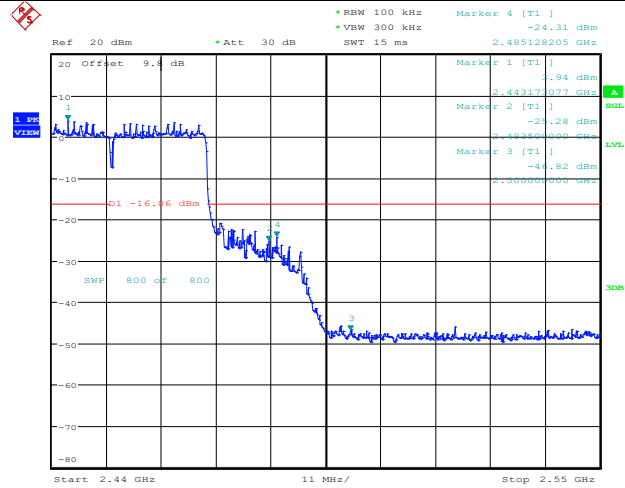
Page 169 of 246

11AX40 Low 2422 RU484



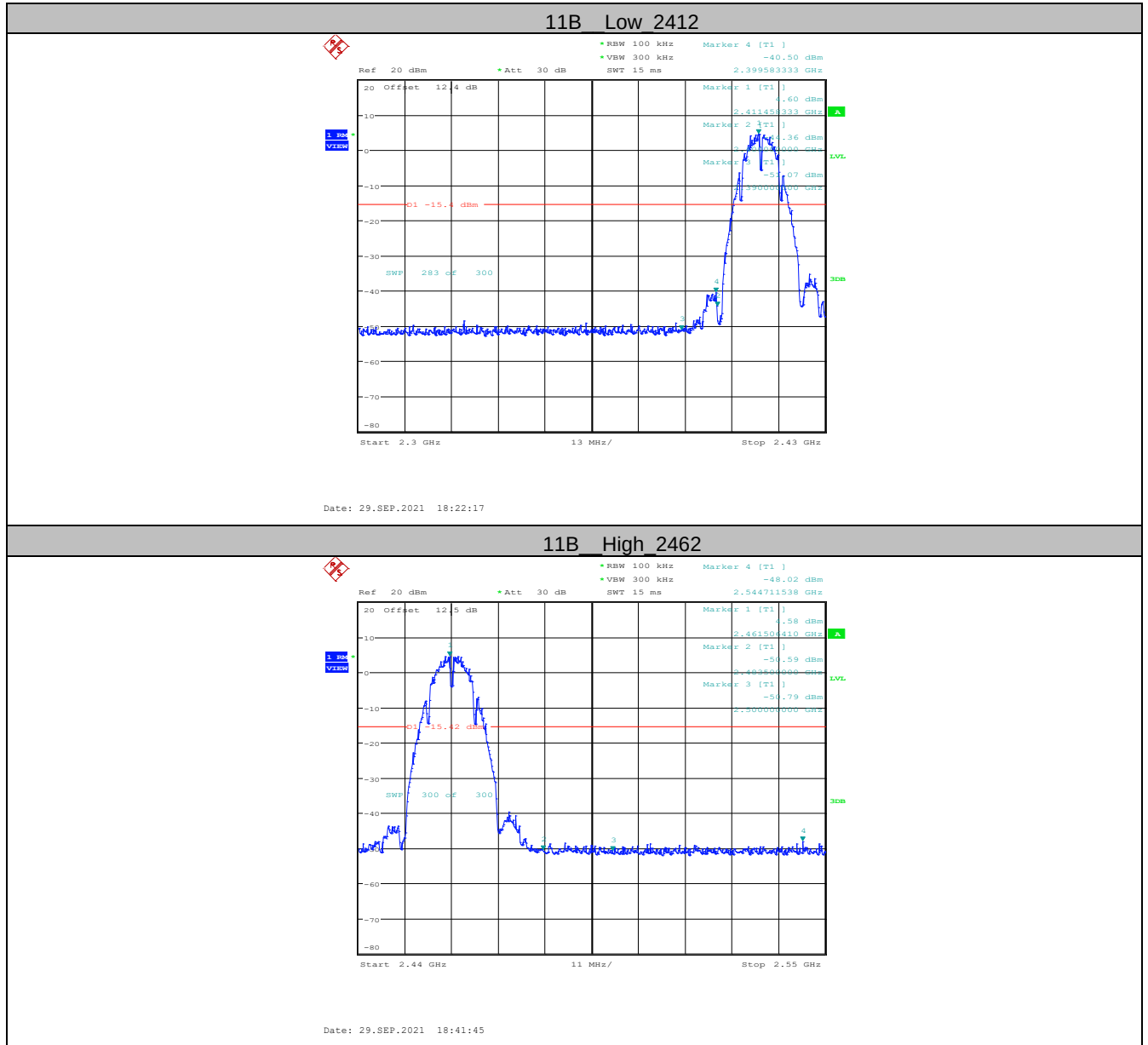
Date: 9.OCT.2021 20:07:52

11AX40 High 2452 RU484

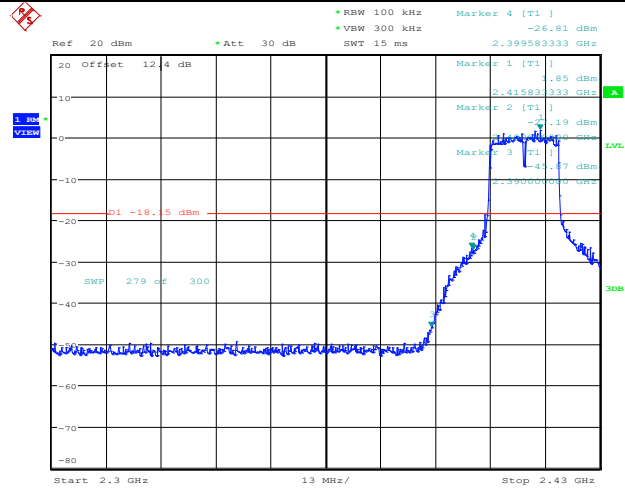


Date: 9.OCT.2021 20:08:27

Band Edge ANT1

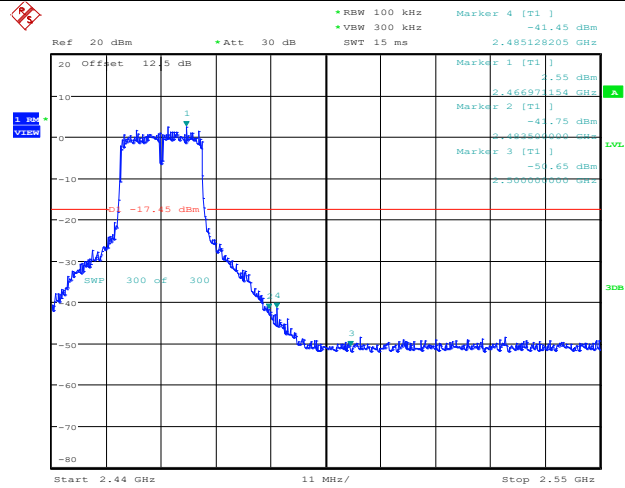


11G Low 2412



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

11G High 2462



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