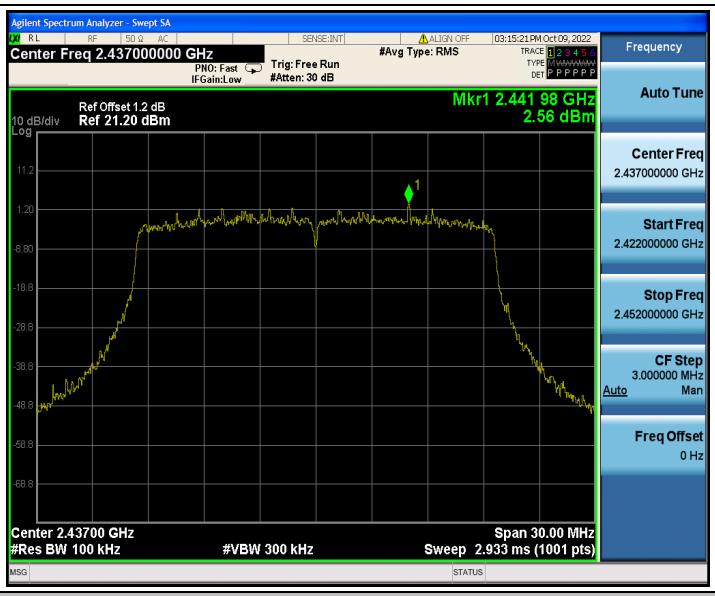

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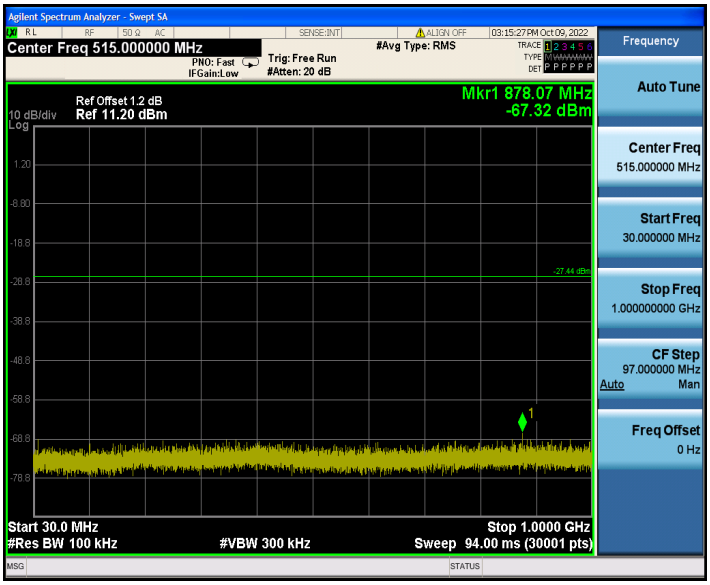
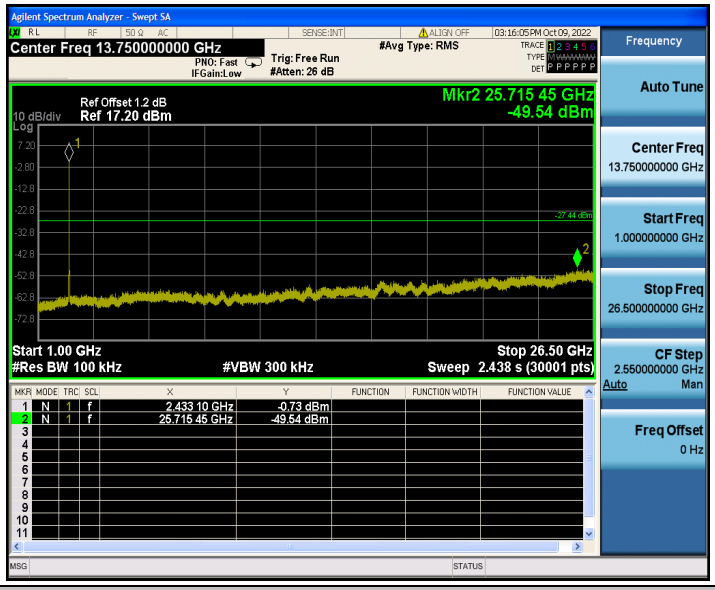
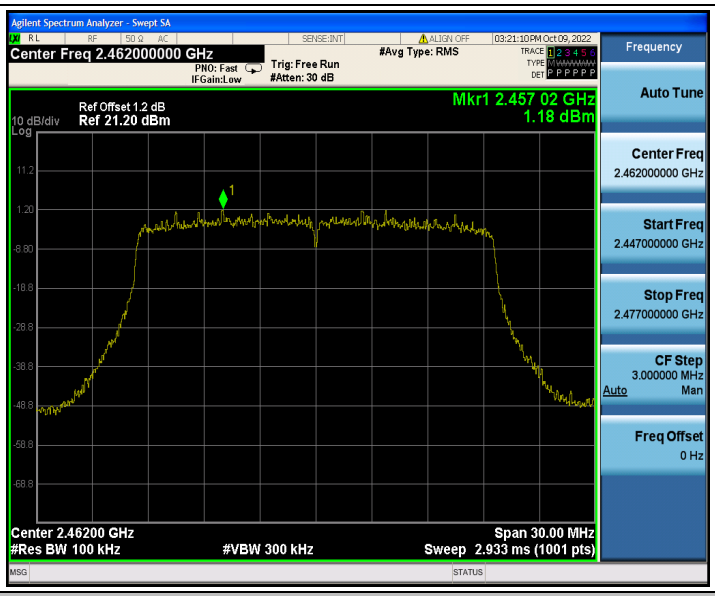


802.11ax(HE20)_Ant2_2437_1000~26500



802.11ax(HE20)_Ant1_2462_0~Reference



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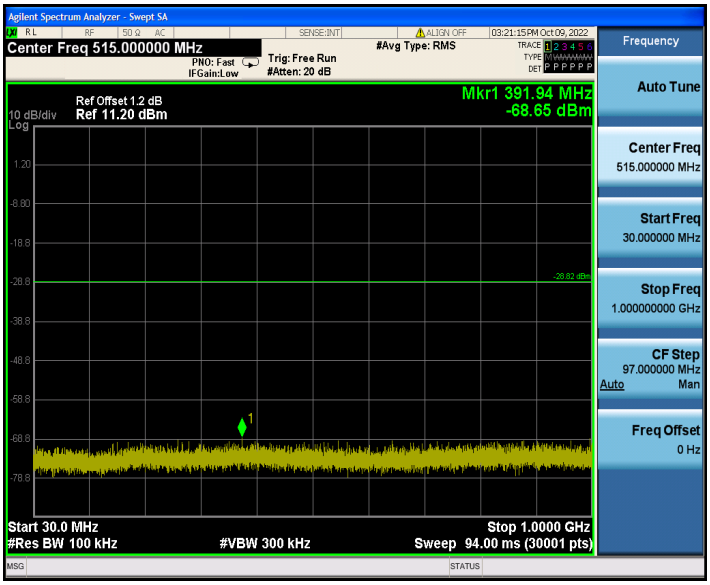

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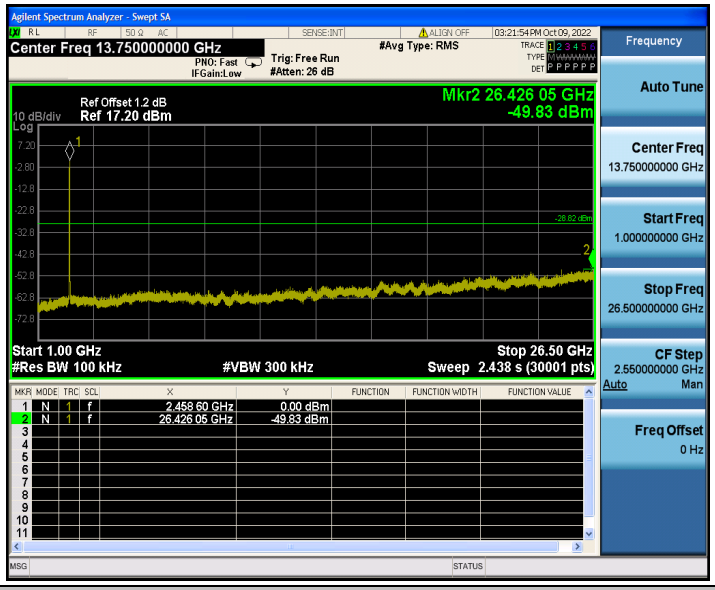

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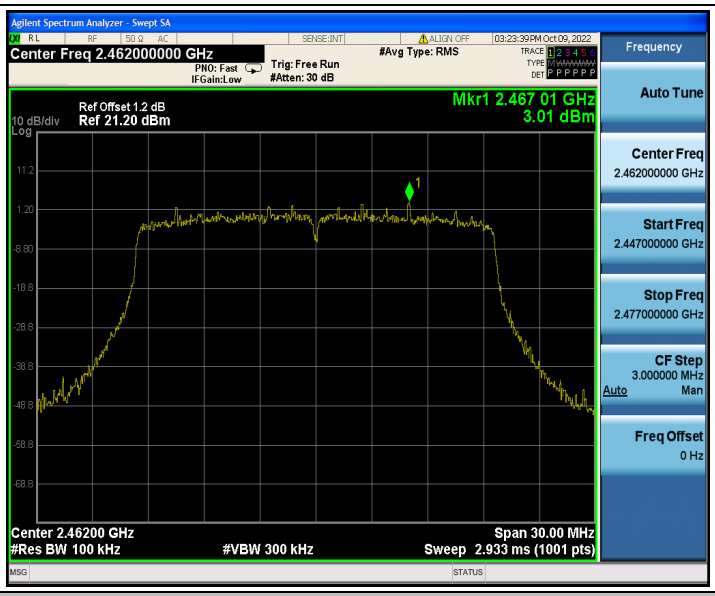

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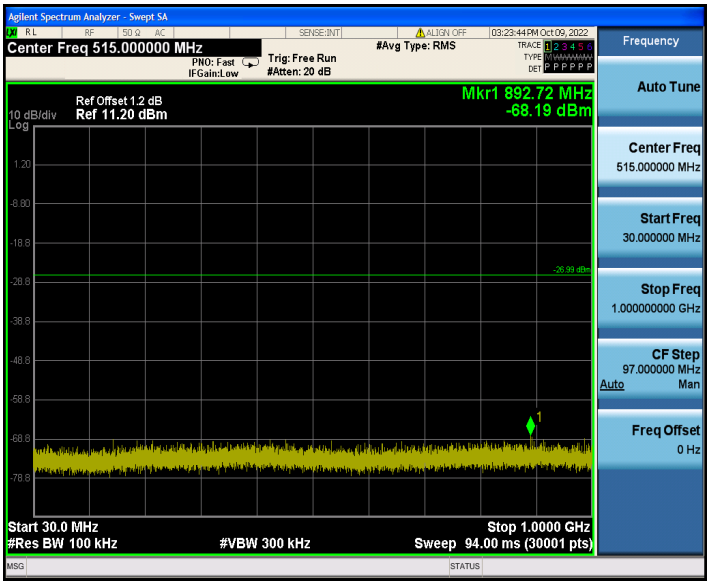

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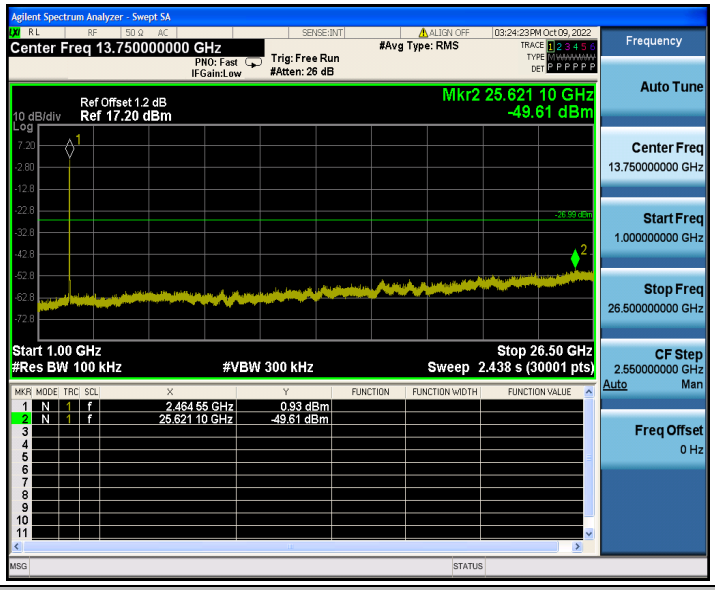

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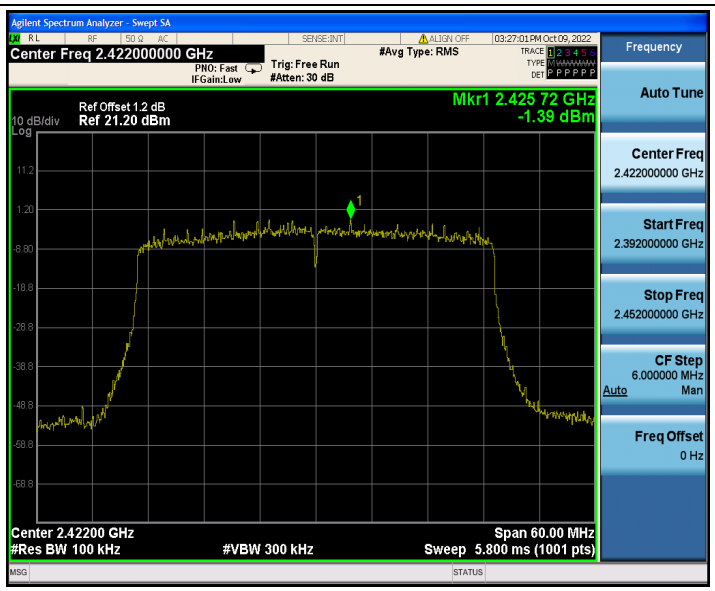

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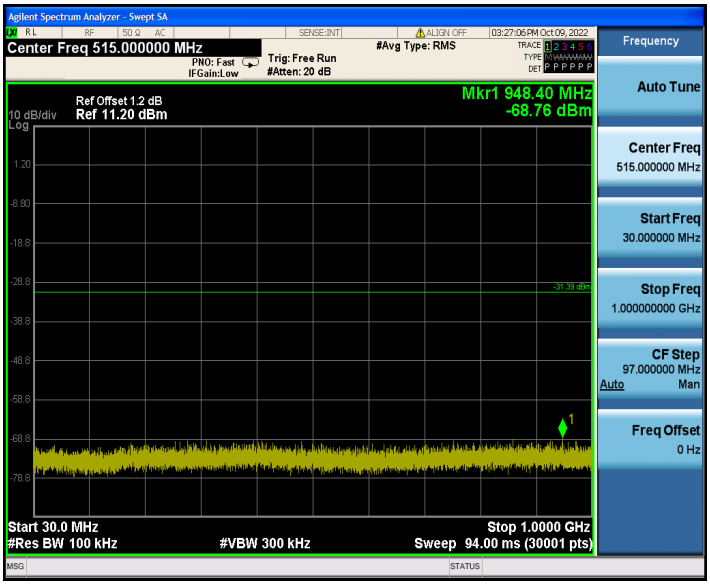

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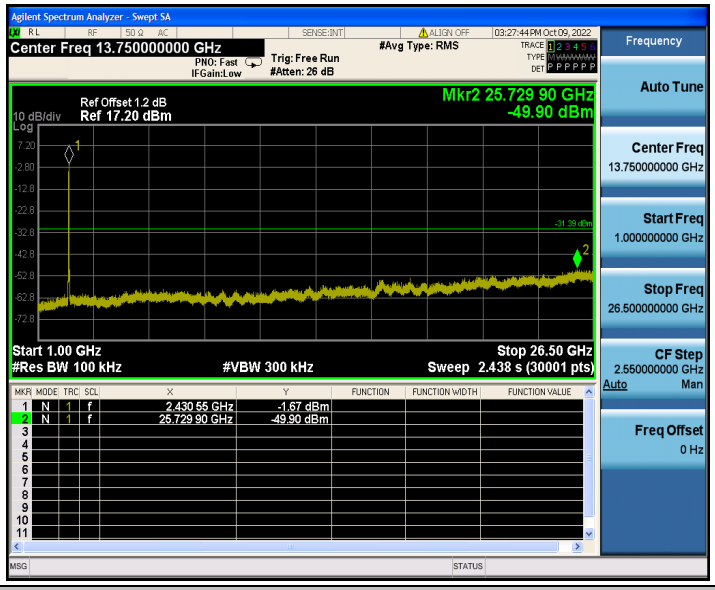

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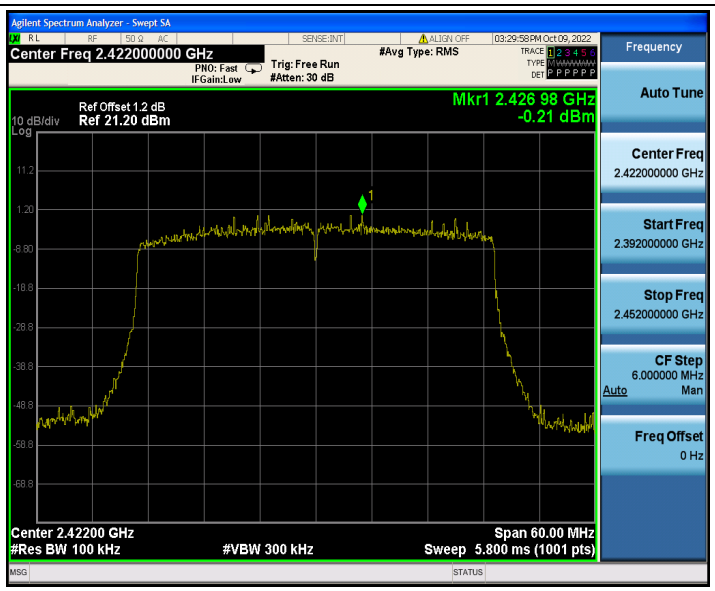

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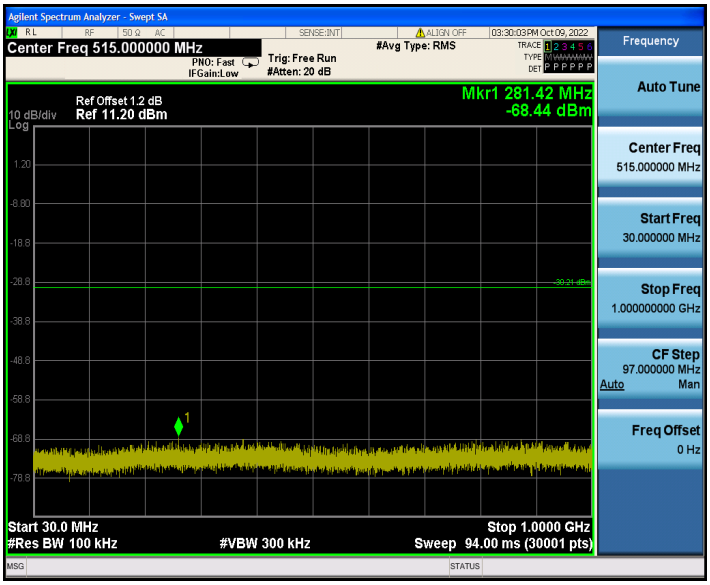

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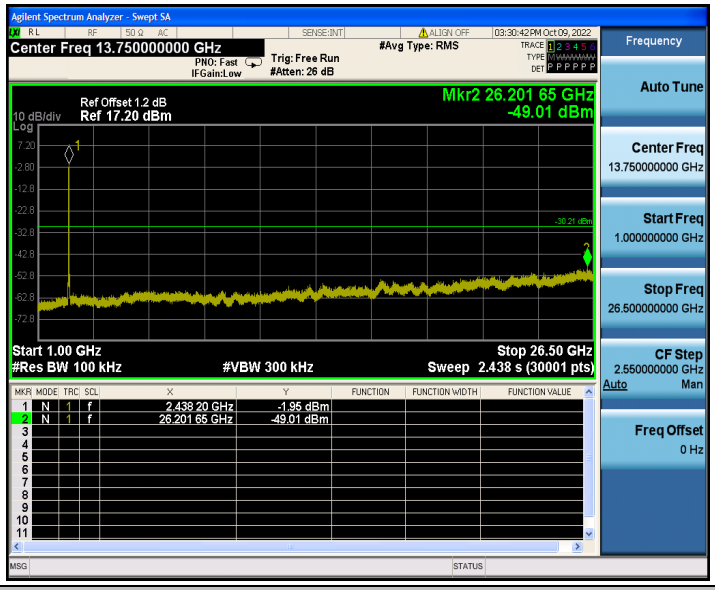
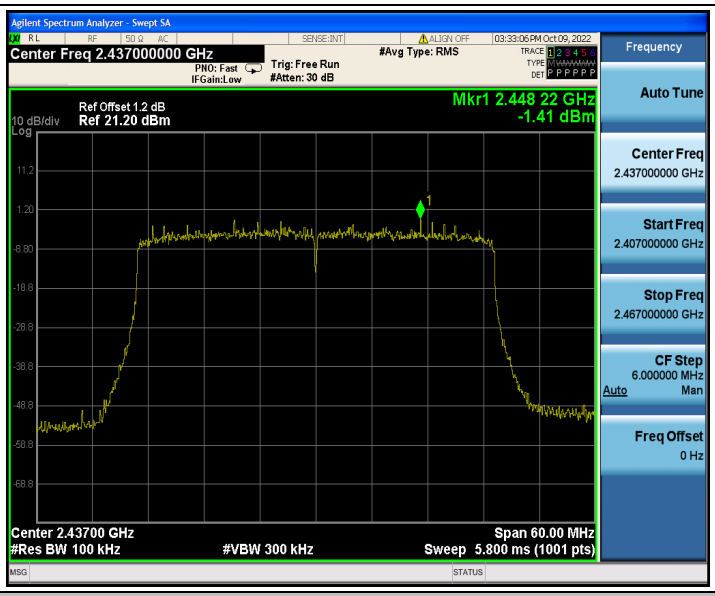


802.11ax(HE40)_Ant1_2437_0~Reference



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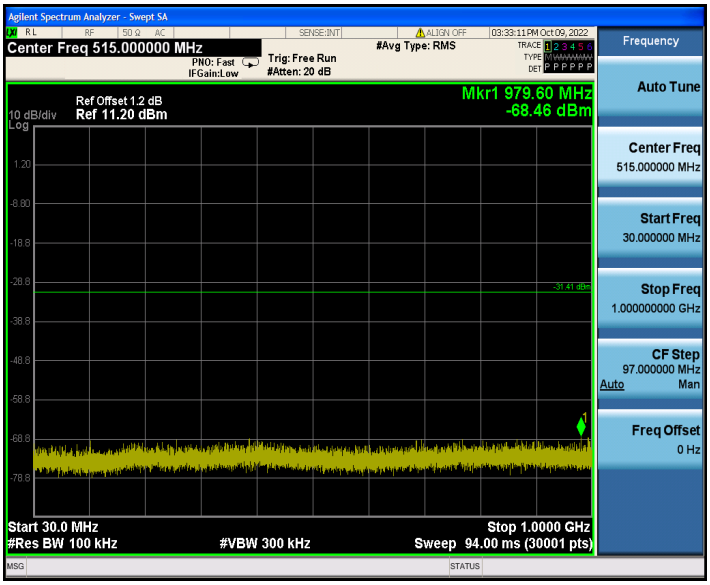

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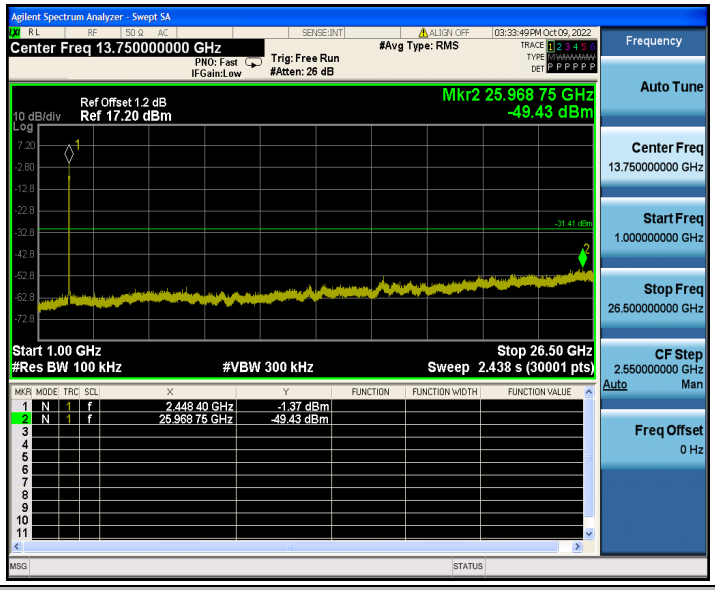

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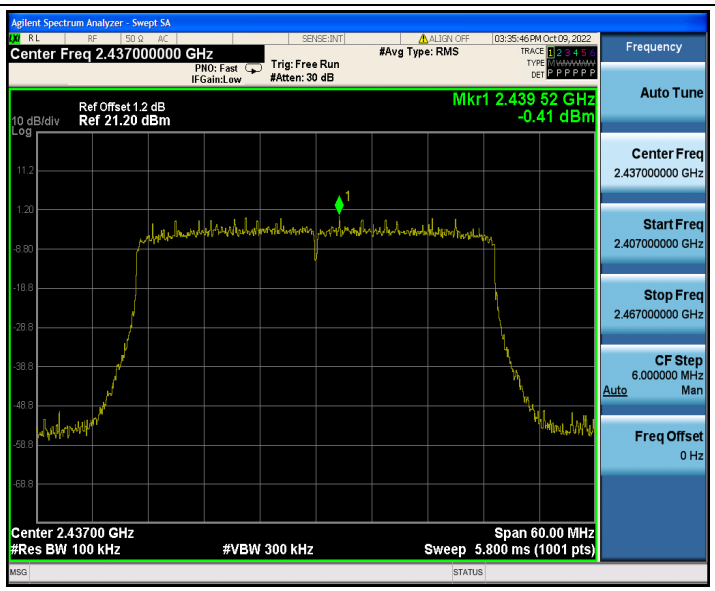

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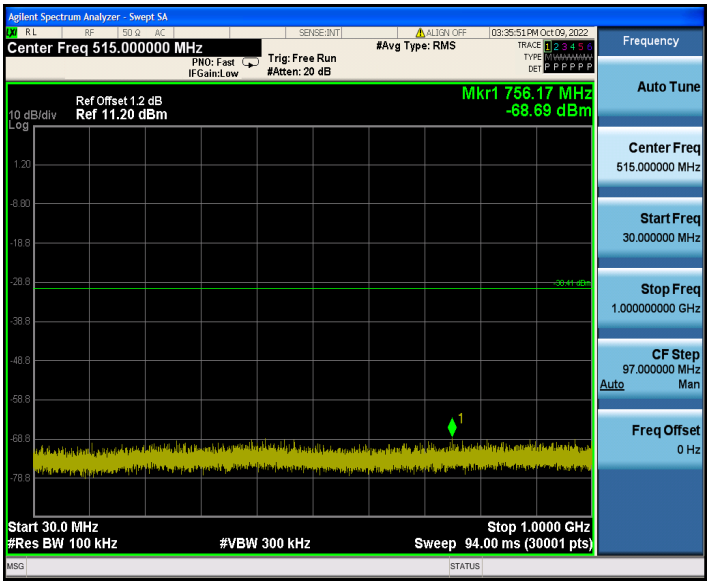

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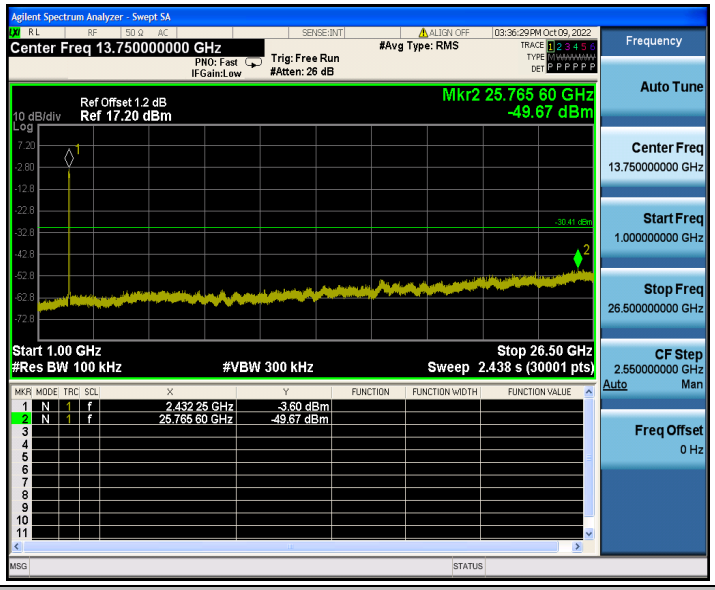
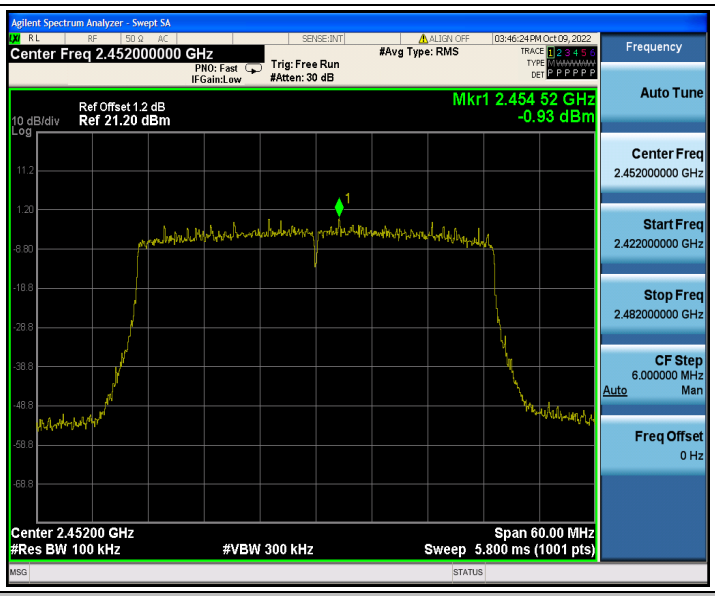


802.11ax(HE40)_Ant1_2452_0~Reference



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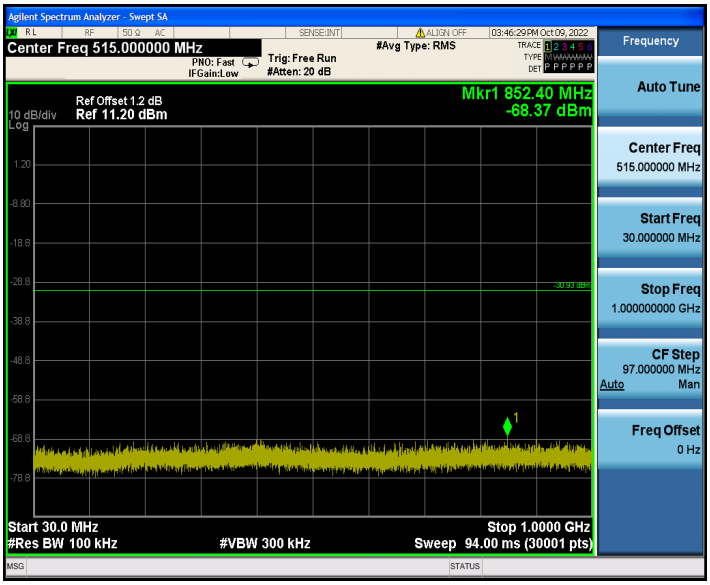

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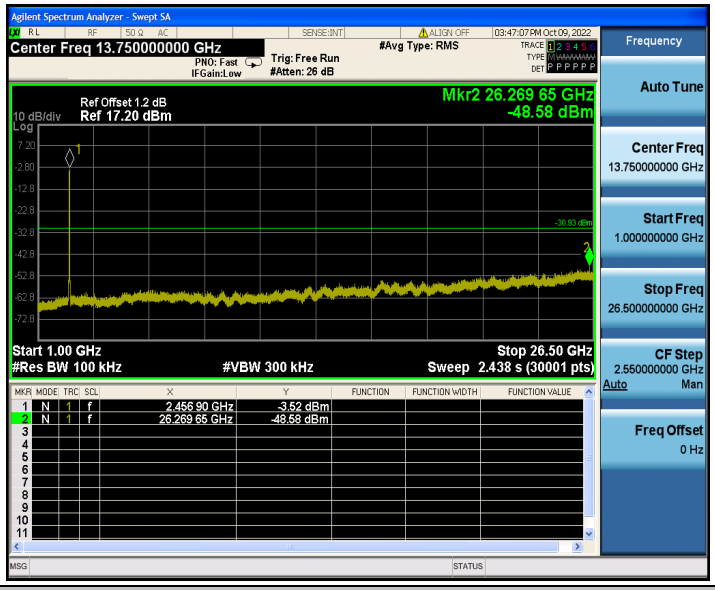

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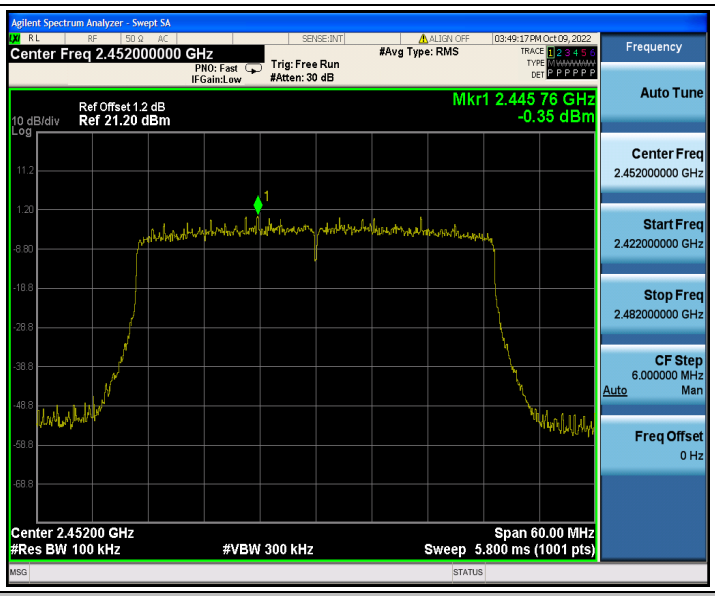

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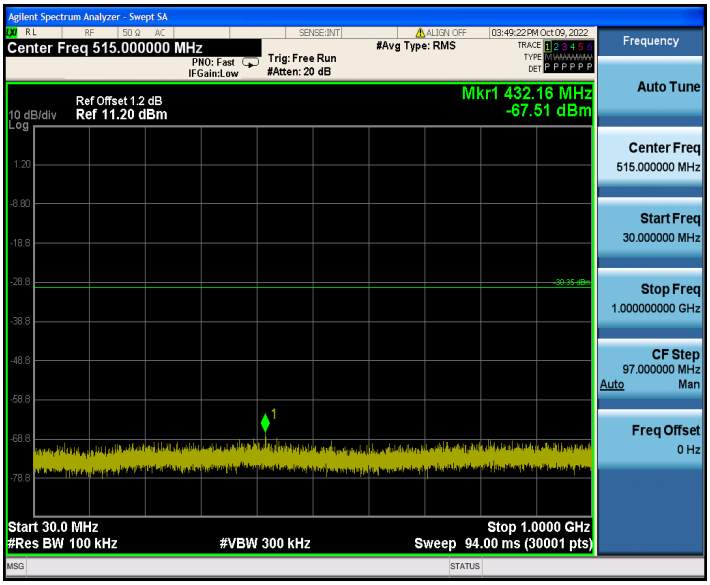

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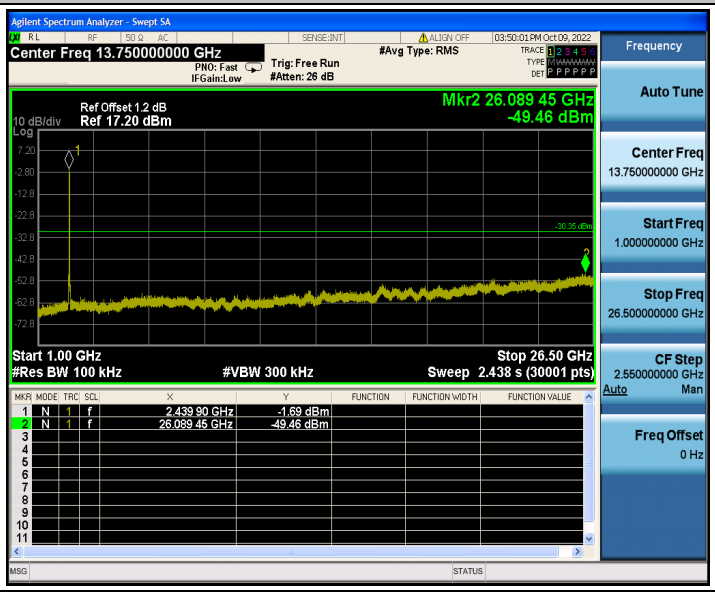


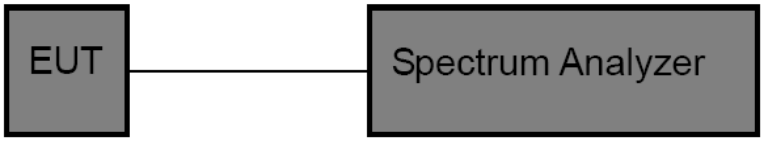
3.5. DTS Bandwidth

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2)/ RSS-247 5.2 a:

Test Item	Limit	Frequency Range(MHz)
DTS Bandwidth	>=500 KHz (6dB bandwidth)	2400~2483.5

Test Configuration



Test Procedure

5. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
6. DTS Spectrum Setting:
   (1) Set RBW = 100 kHz.
   (2) Set the video bandwidth (VBW) ≥ 3 RBW.
   (3) Detector = Peak.
   (4) Trace mode = Max hold.
   (5) Sweep = Auto couple.
   OCB Spectrum Setting:
   (1) Set RBW = 1% ~ 5% occupied bandwidth.
   (2) Set the video bandwidth (VBW) ≥ 3 RBW.
   (3) Detector = Peak.
   (4) Trace mode = Max hold.
   (5) Sweep = Auto couple.

NOTE: The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

Test Mode

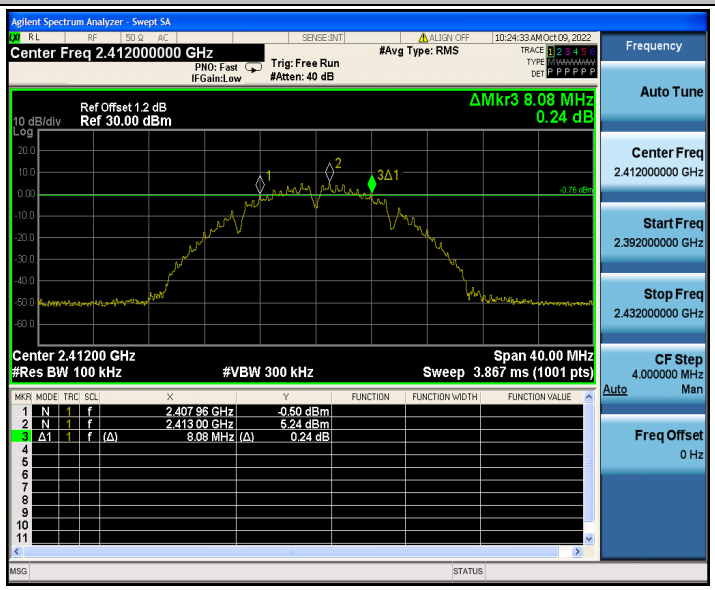
Please refer to the clause 2.4.

Test Results

Test Mode	Antenna	Frequency [MH]	RU Configuration	DTS BW [MHz]	Limit [MHz]	Verdict
802.11b	Ant1	2412	/	8.080	>=0.5	PASS
	Ant2	2412	/	8.080	>=0.5	PASS
	Ant1	2437	/	8.080	>=0.5	PASS
	Ant2	2437	/	8.080	>=0.5	PASS
	Ant1	2462	/	8.040	>=0.5	PASS
	Ant2	2462	/	8.080	>=0.5	PASS
802.11g	Ant1	2412	/	15.960	>=0.5	PASS
	Ant2	2412	/	15.920	>=0.5	PASS
	Ant1	2437	/	16.320	>=0.5	PASS
	Ant2	2437	/	16.320	>=0.5	PASS
	Ant1	2462	/	16.080	>=0.5	PASS
	Ant2	2462	/	16.320	>=0.5	PASS
802.11n(HT20)	Ant1	2412	/	16.440	>=0.5	PASS
	Ant2	2412	/	16.640	>=0.5	PASS
	Ant1	2437	/	16.960	>=0.5	PASS
	Ant2	2437	/	17.280	>=0.5	PASS
	Ant1	2462	/	17.200	>=0.5	PASS
	Ant2	2462	/	17.320	>=0.5	PASS
802.11n(HT40)	Ant1	2422	/	35.680	>=0.5	PASS
	Ant2	2422	/	34.080	>=0.5	PASS
	Ant1	2437	/	36.080	>=0.5	PASS
	Ant2	2437	/	36.080	>=0.5	PASS
	Ant1	2452	/	34.960	>=0.5	PASS
	Ant2	2452	/	35.280	>=0.5	PASS
802.11ax(HE20)	Ant1	2412	24/4	15.12	>=0.5	PASS
	Ant2	2412	24/4	15.16	>=0.5	PASS
	Ant1	2412	52/38	10.36	>=0.5	PASS
	Ant2	2412	52/38	15.08	>=0.5	PASS
	Ant1	2412	106/53	19.00	>=0.5	PASS
	Ant2	2412	106/53	17.96	>=0.5	PASS
	Ant1	2412	242/61	18.960	>=0.5	PASS
	Ant2	2412	242/61	18.040	>=0.5	PASS
	Ant1	2437	24/4	16.36	>=0.5	PASS
	Ant2	2437	24/4	12.56	>=0.5	PASS
	Ant1	2437	52/38	16.28	>=0.5	PASS
	Ant2	2437	52/38	12.56	>=0.5	PASS
	Ant1	2437	106/53	17.72	>=0.5	PASS
	Ant2	2437	106/53	17.48	>=0.5	PASS
	Ant1	2437	242/61	18.840	>=0.5	PASS
	Ant2	2437	242/61	18.640	>=0.5	PASS
	Ant1	2462	24/4	12.60	>=0.5	PASS

	Ant2	2462	24/4	13.20	>=0.5	PASS
	Ant1	2462	52/38	15.72	>=0.5	PASS
	Ant2	2462	52/38	15.12	>=0.5	PASS
	Ant1	2462	106/53	17.12	>=0.5	PASS
	Ant2	2462	106/53	15.12	>=0.5	PASS
	Ant1	2462	242/61	18.680	>=0.5	PASS
	Ant2	2462	242/61	18.600	>=0.5	PASS
802.11ax(HE40)	Ant1	2422	26/8	18.48	>=0.5	PASS
	Ant2	2422	26/8	18.64	>=0.5	PASS
	Ant1	2422	52/40	29.20	>=0.5	PASS
	Ant2	2422	52/40	33.44	>=0.5	PASS
	Ant1	2422	106/54	35.04	>=0.5	PASS
	Ant2	2422	106/54	35.04	>=0.5	PASS
	Ant1	2422	242/61	29.44	>=0.5	PASS
	Ant2	2422	242/61	36.08	>=0.5	PASS
	Ant1	2422	484/65	37.040	>=0.5	PASS
	Ant2	2422	484/65	36.320	>=0.5	PASS
	Ant1	2437	26/8	18.48	>=0.5	PASS
	Ant2	2437	26/8	20.08	>=0.5	PASS
	Ant1	2437	52/40	3.92	>=0.5	PASS
	Ant2	2437	52/40	35.04	>=0.5	PASS
	Ant1	2437	106/54	21.36	>=0.5	PASS
	Ant2	2437	106/54	35.20	>=0.5	PASS
	Ant1	2437	242/61	35.76	>=0.5	PASS
	Ant2	2437	242/61	15.52	>=0.5	PASS
	Ant1	2437	484/65	37.760	>=0.5	PASS
	Ant2	2437	484/65	37.280	>=0.5	PASS
	Ant1	2452	26/8	18.48	>=0.5	PASS
	Ant2	2452	26/8	18.64	>=0.5	PASS
	Ant1	2452	52/40	17.20	>=0.5	PASS
	Ant2	2452	52/40	35.12	>=0.5	PASS
	Ant1	2452	106/54	35.76	>=0.5	PASS
	Ant2	2452	106/54	35.04	>=0.5	PASS
	Ant1	2452	242/61	35.76	>=0.5	PASS
	Ant2	2452	242/61	38.16	>=0.5	PASS
	Ant1	2452	484/65	37.200	>=0.5	PASS
	Ant2	2452	484/65	37.600	>=0.5	PASS

802.11b_Ant1_2412



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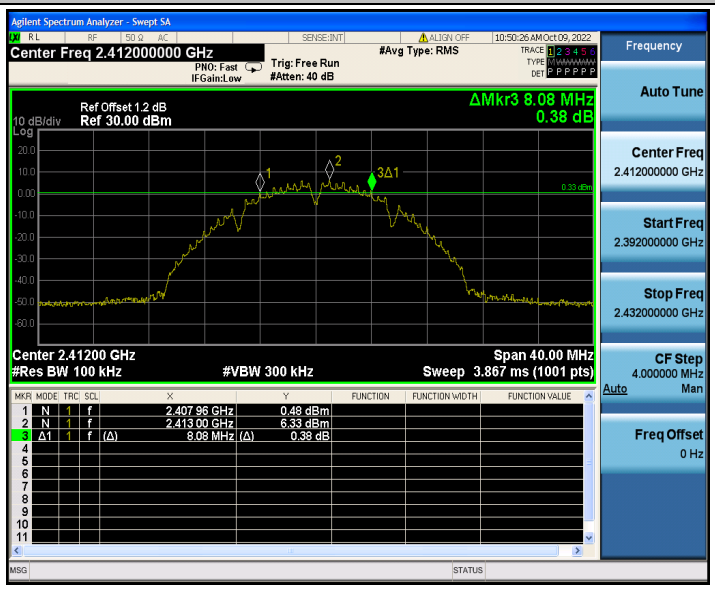

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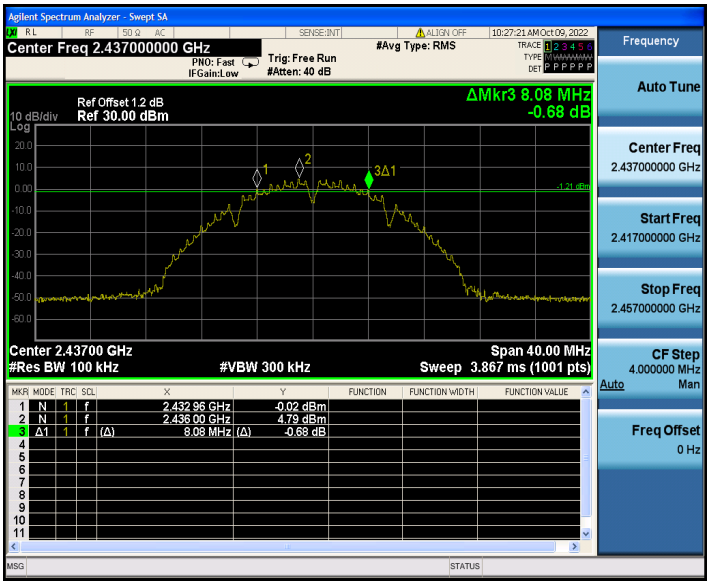

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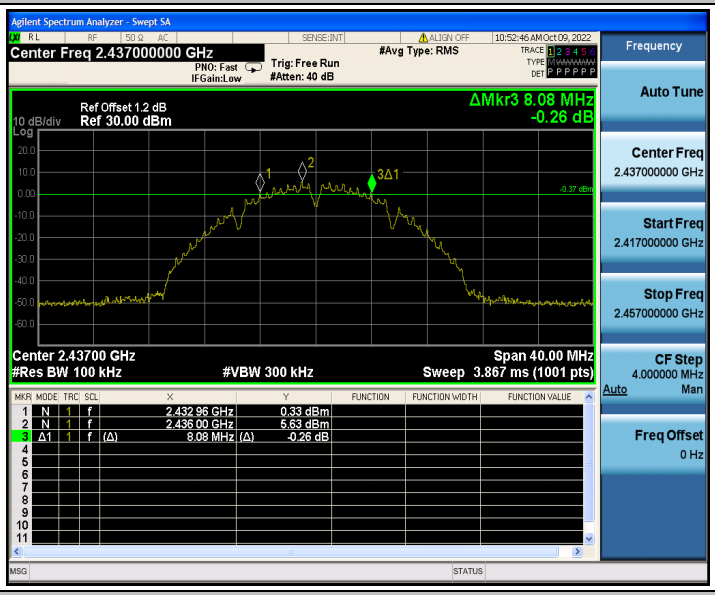

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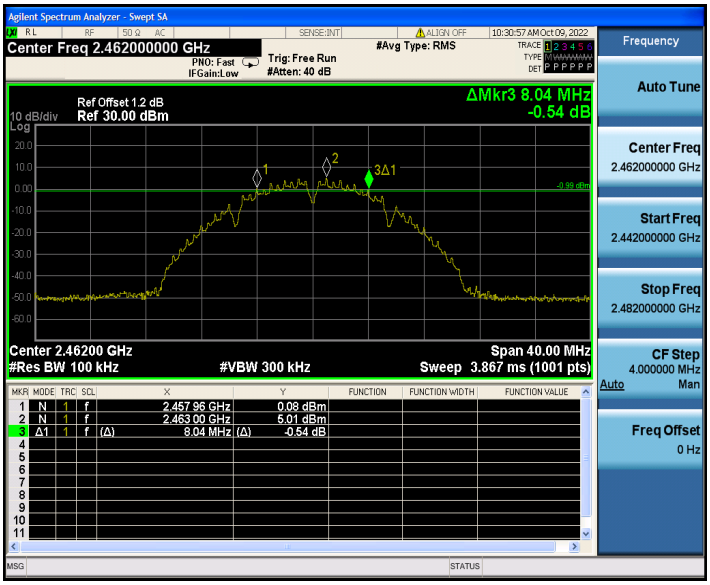

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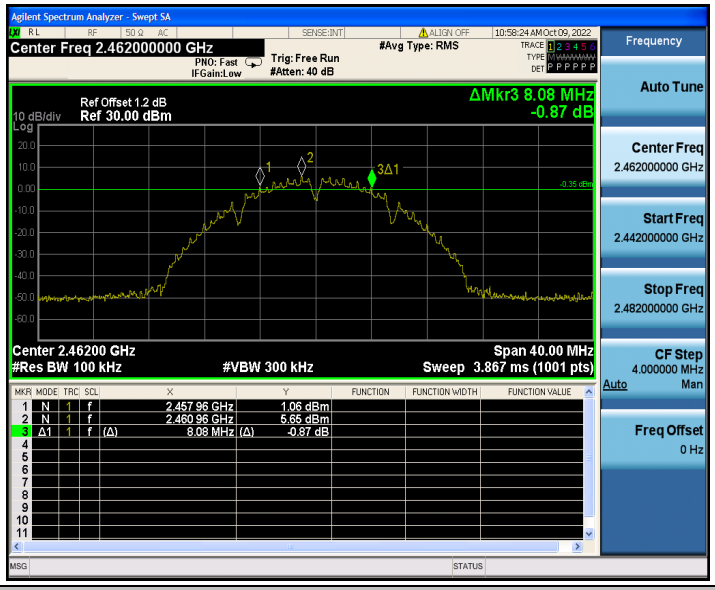

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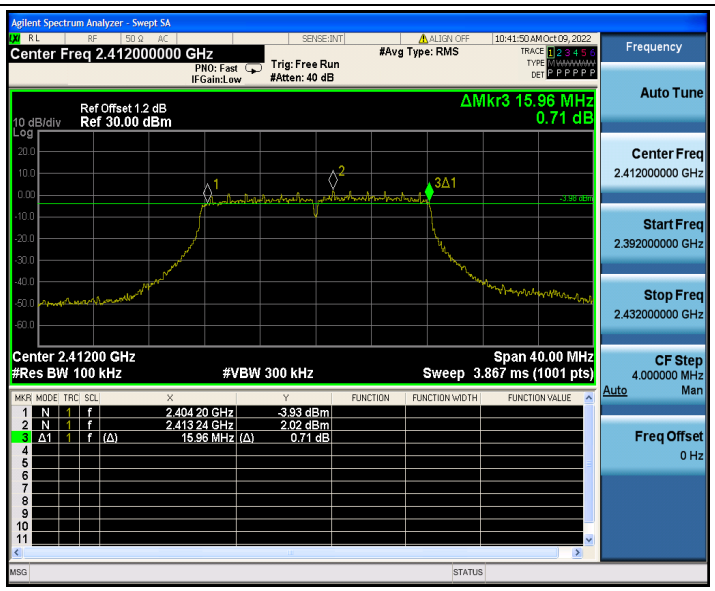

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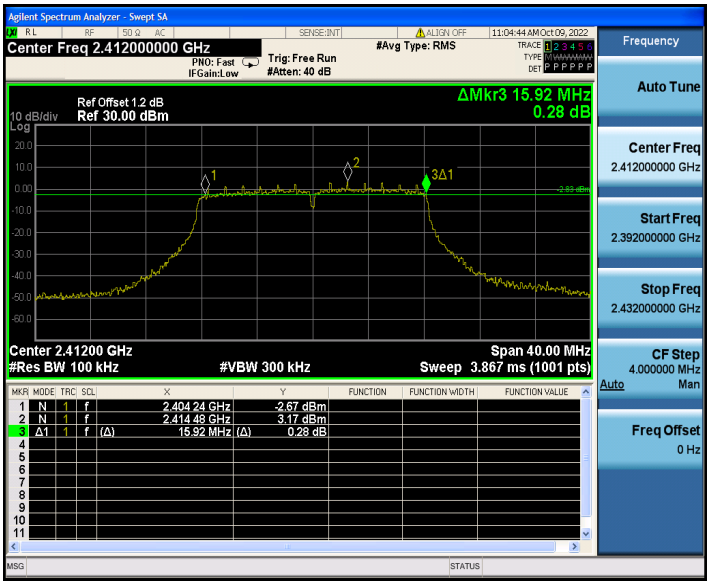

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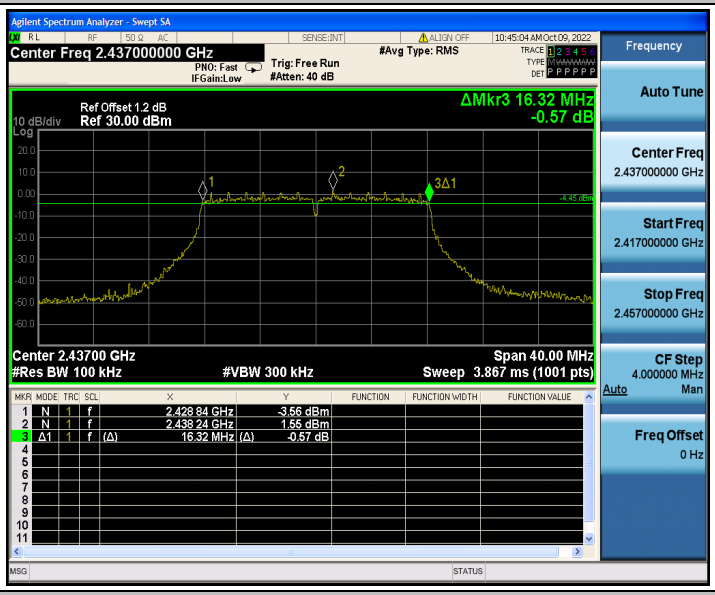

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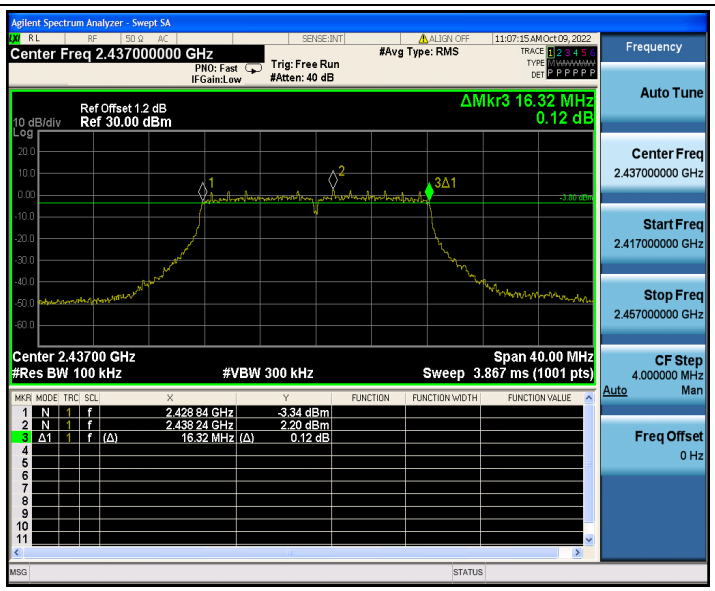
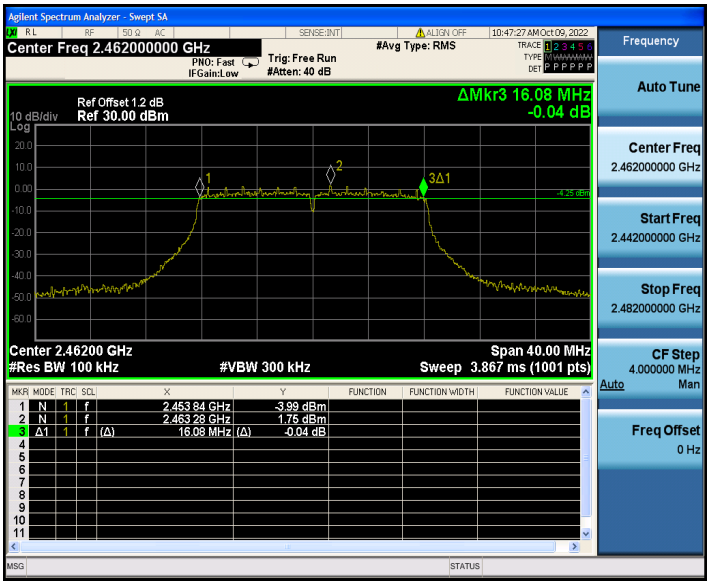


802.11g_Ant1_2462



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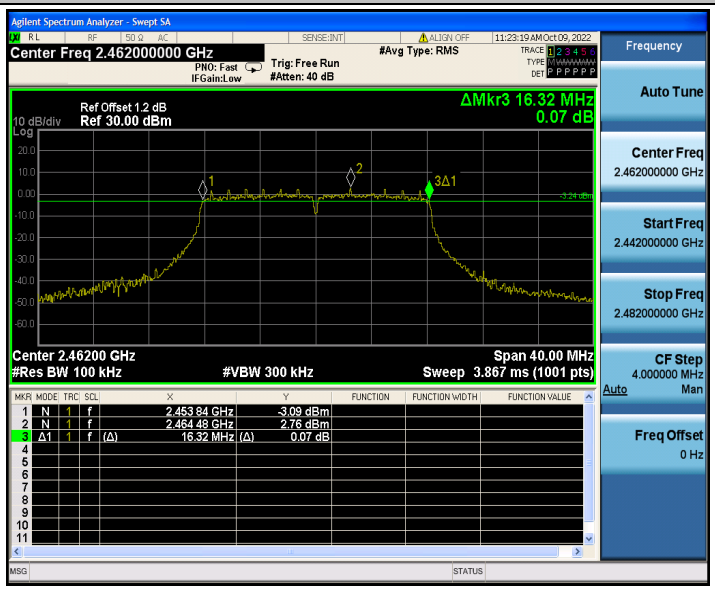

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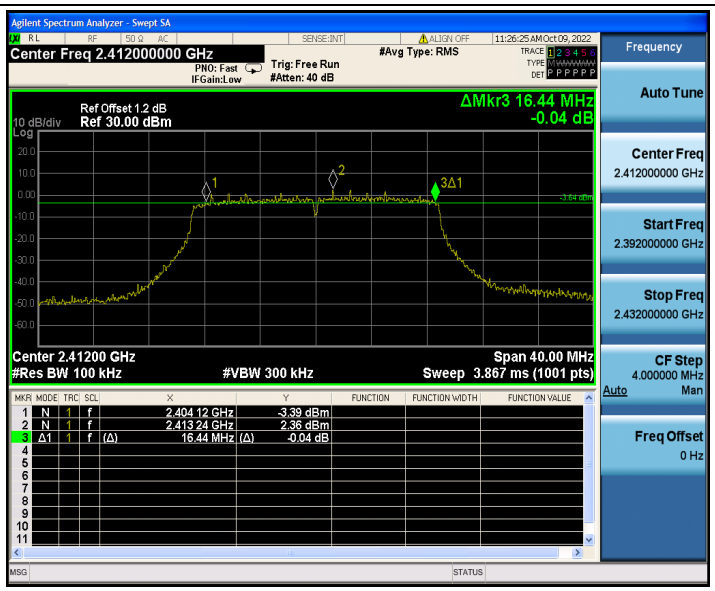

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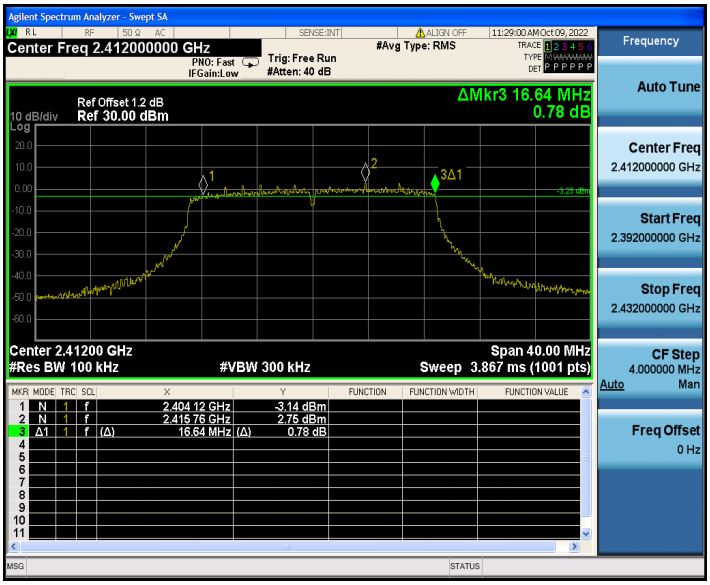

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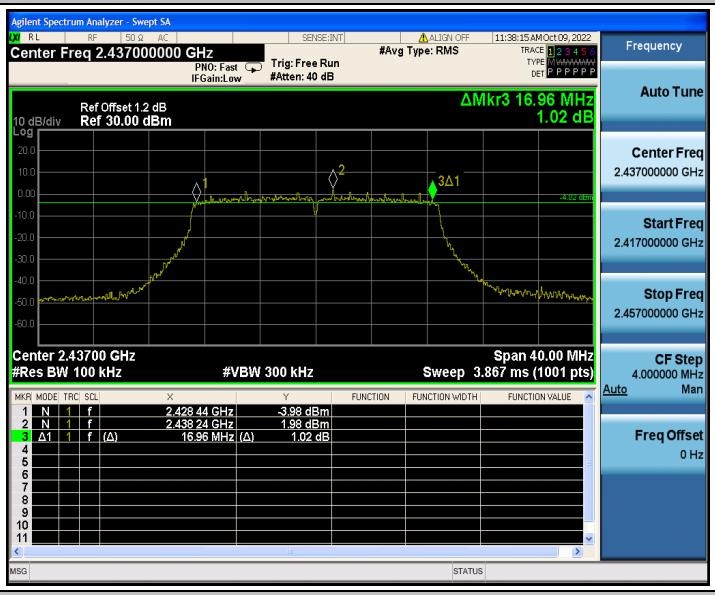

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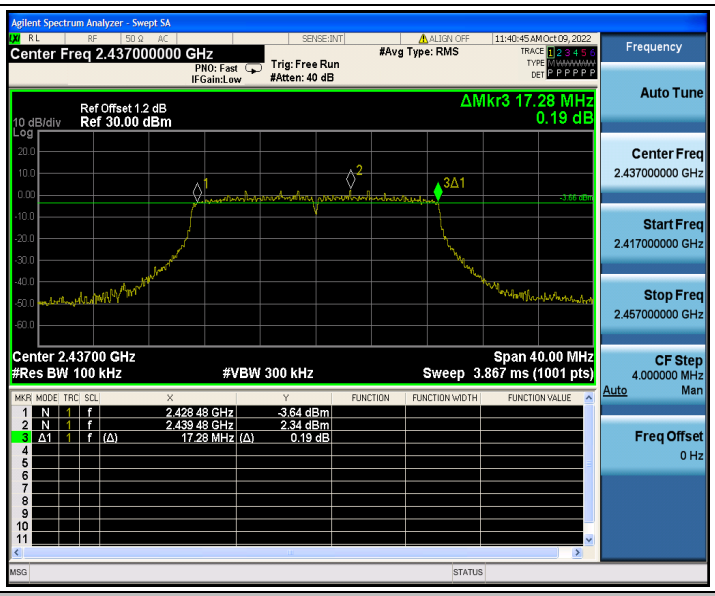

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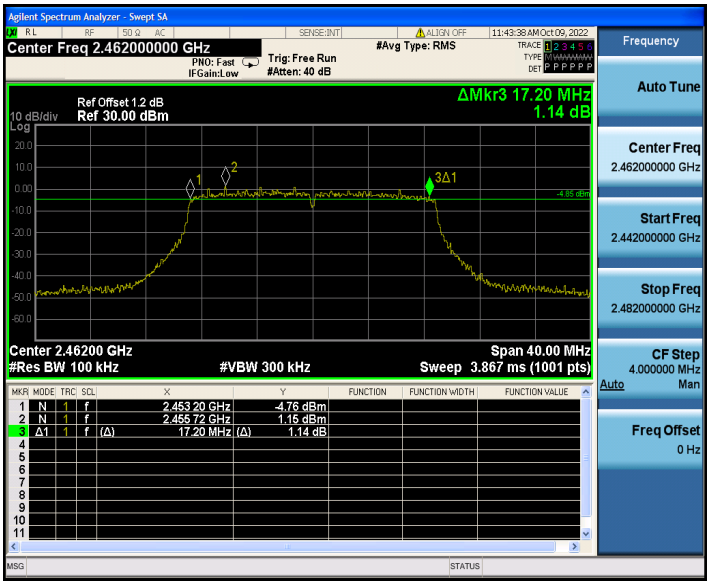

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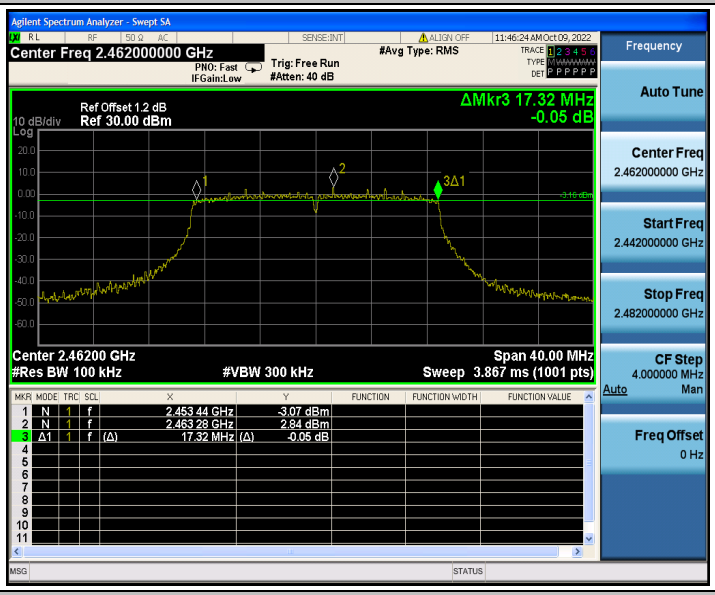

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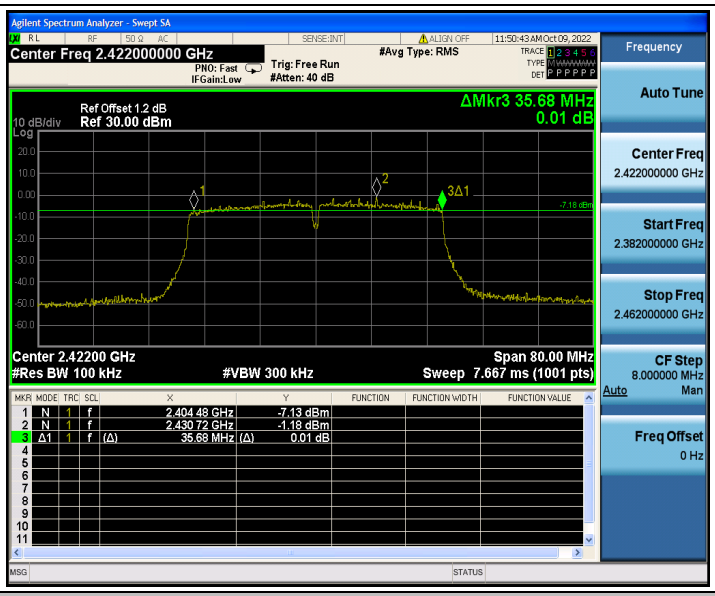

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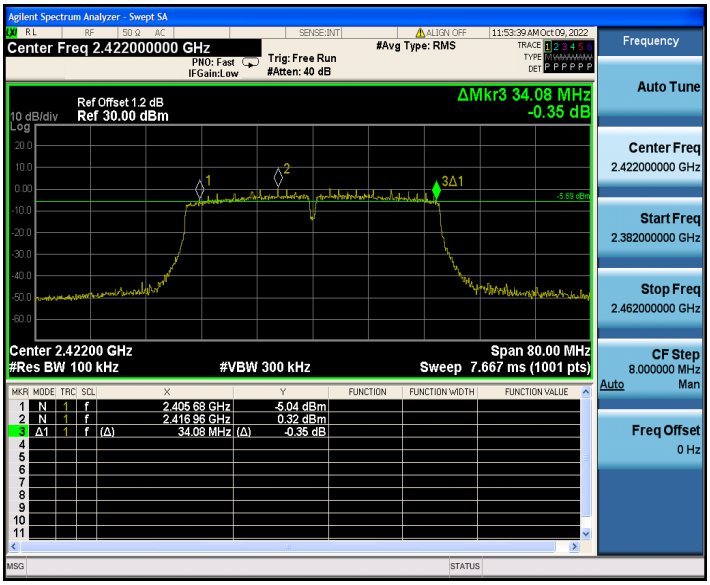

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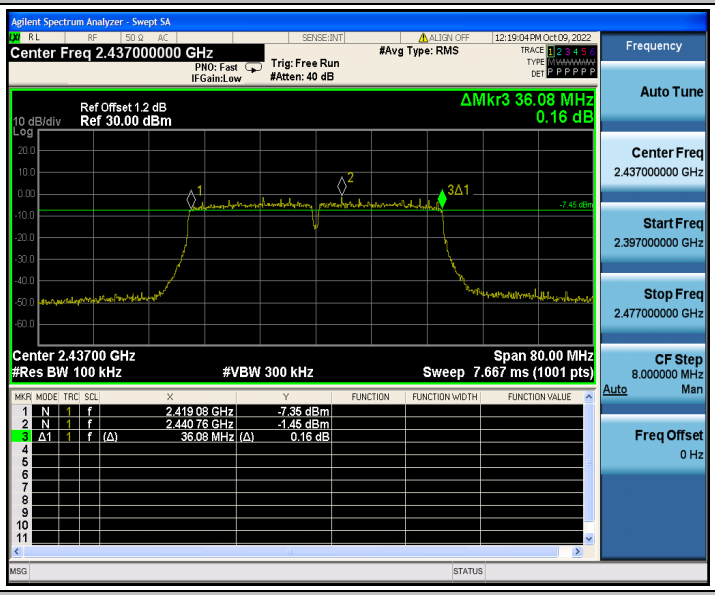

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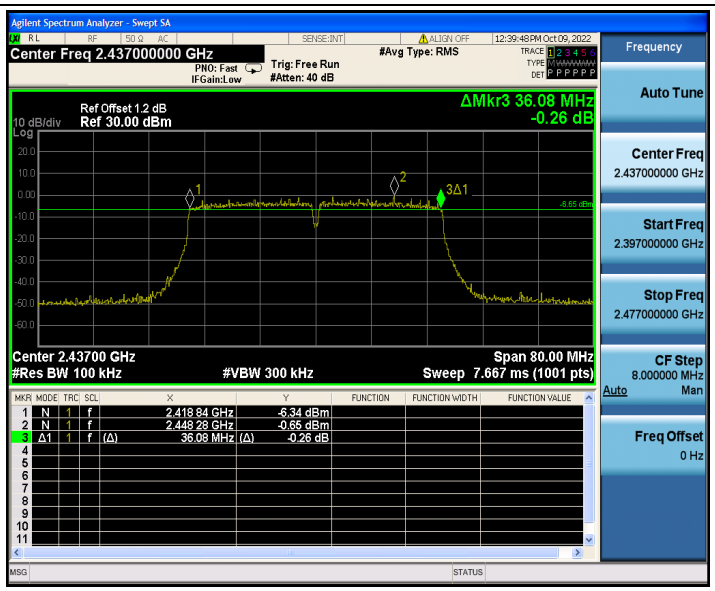

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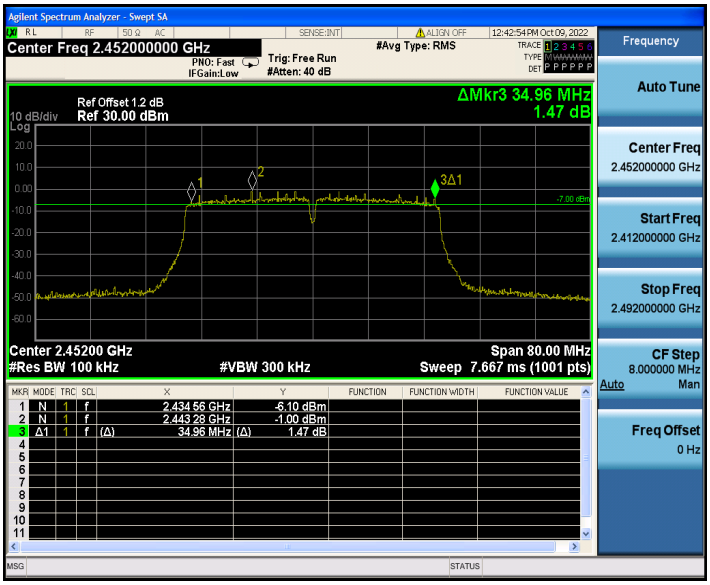

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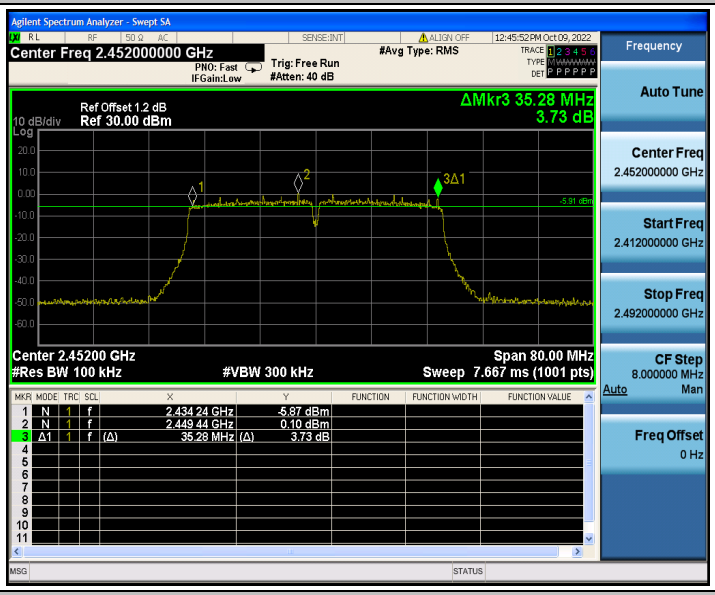
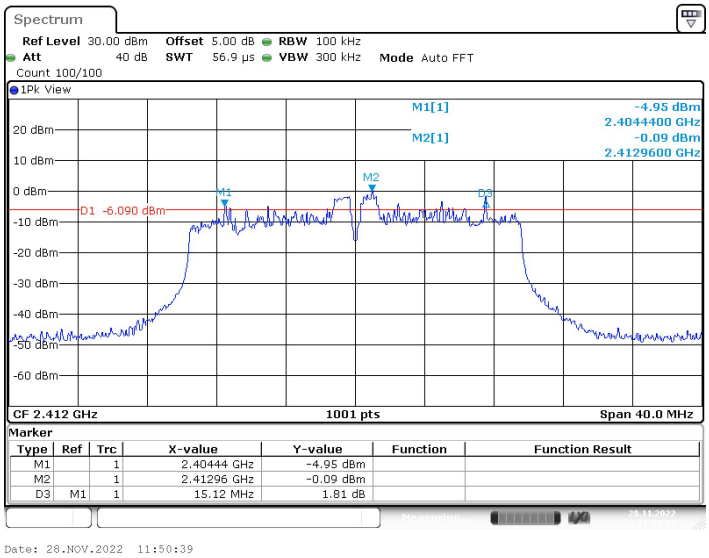


802.11ax(HE20)_Ant1_2412 26/4



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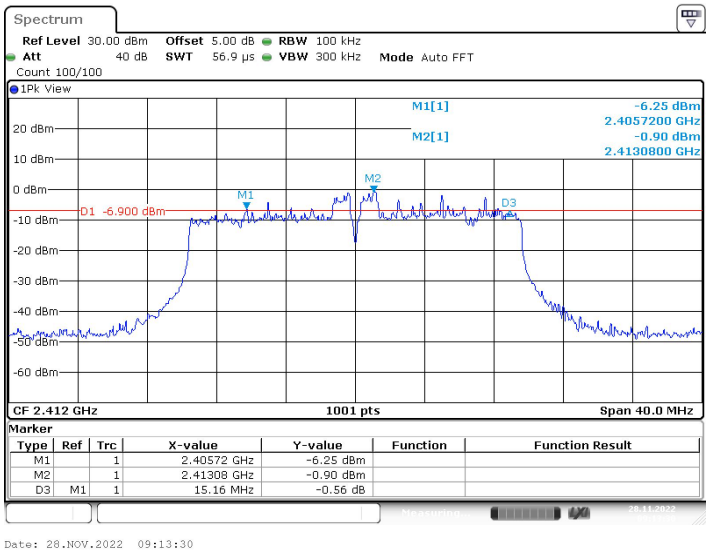
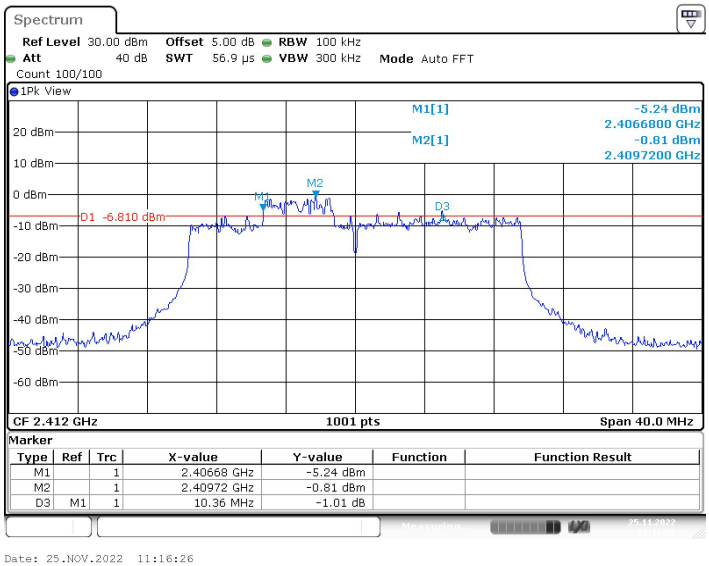


802.11ax(HE20)_Ant1_2412 52/38



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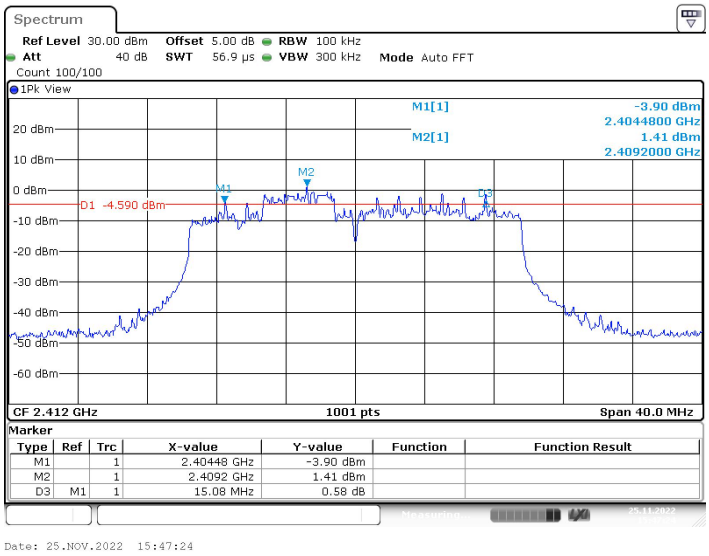

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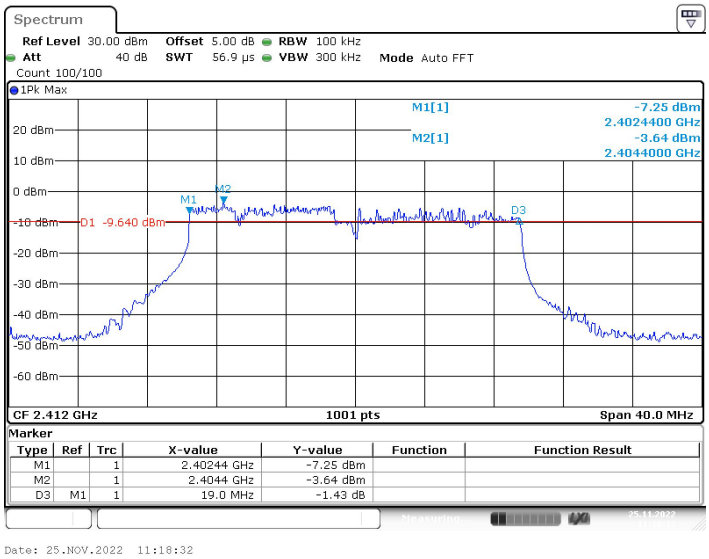

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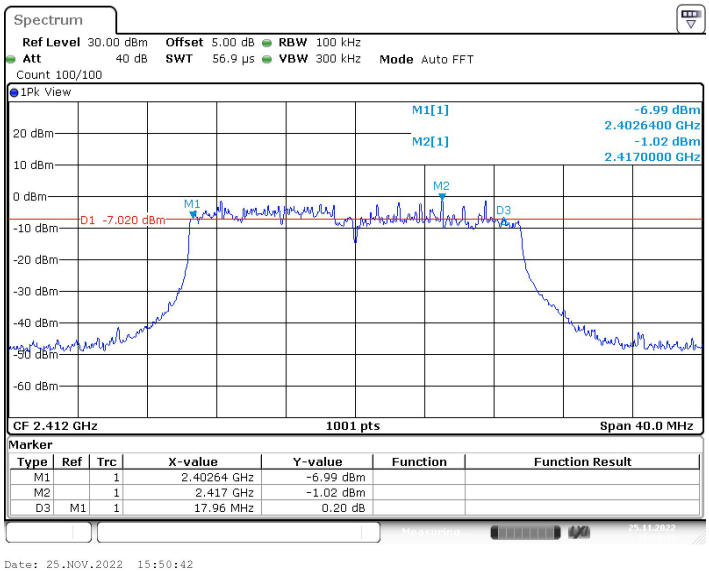

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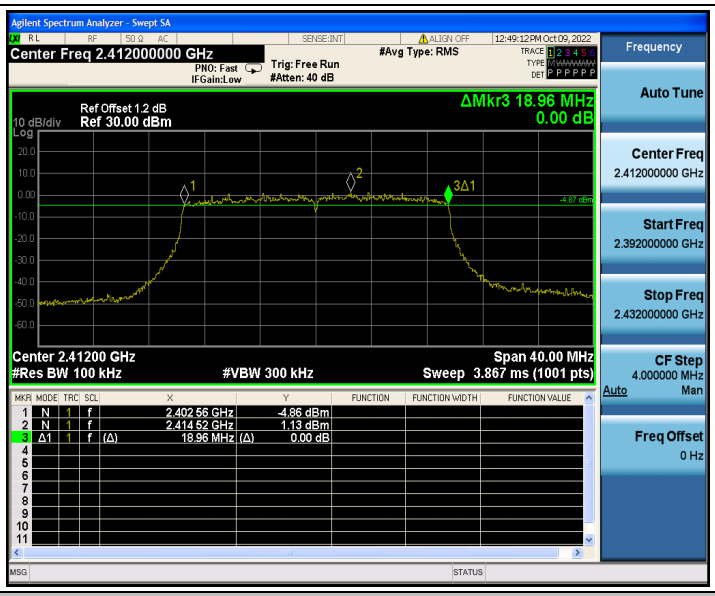

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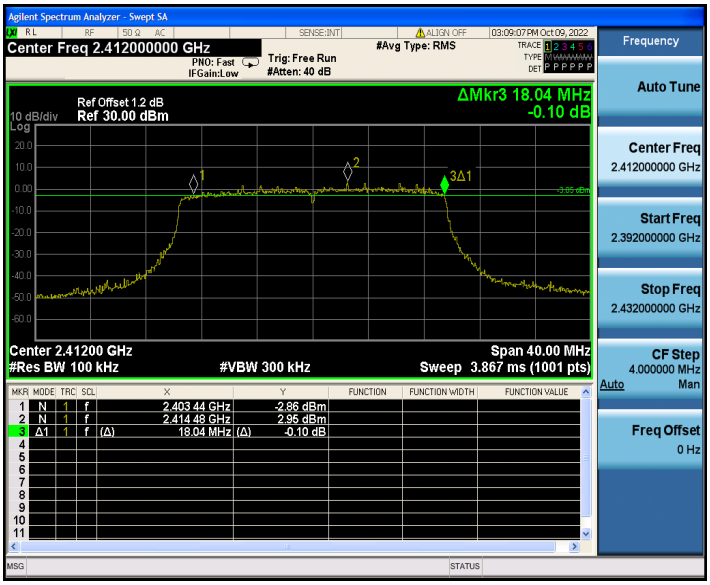
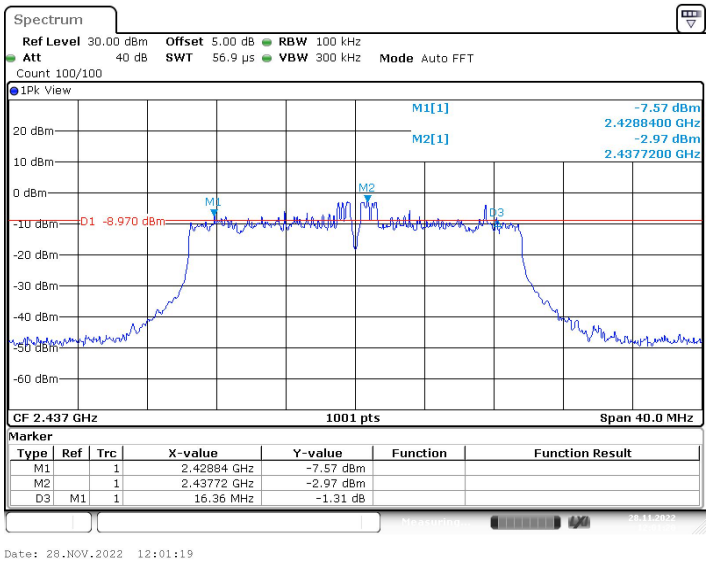


802.11ax(HE20)_Ant1_2437 26/4



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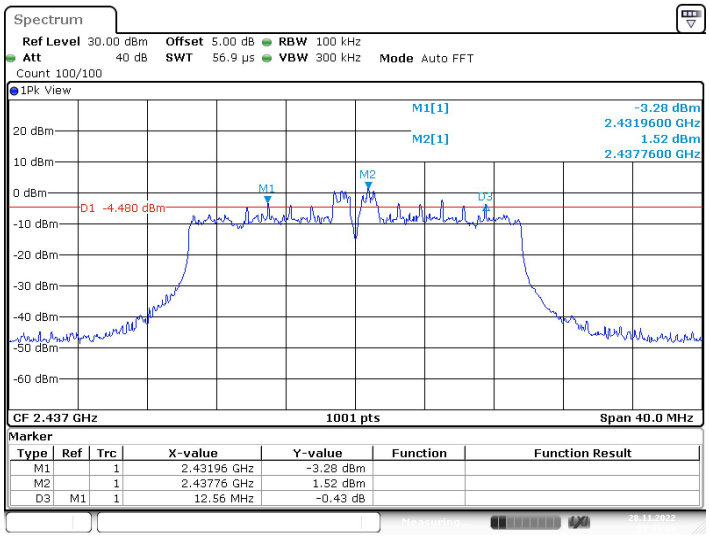

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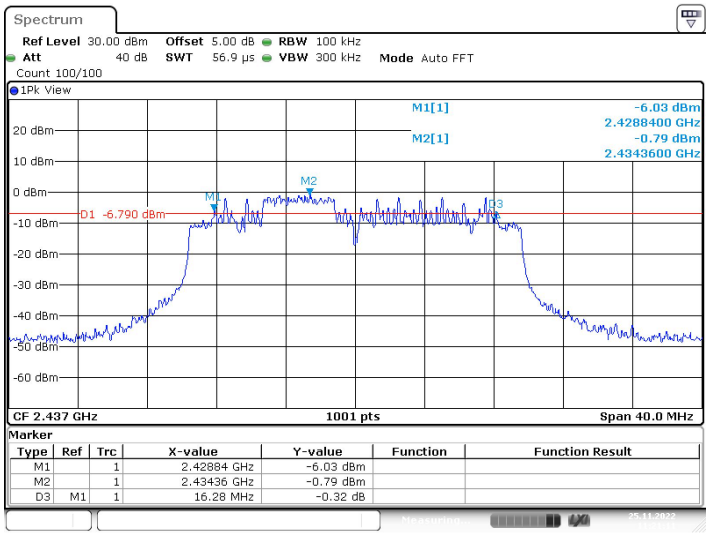

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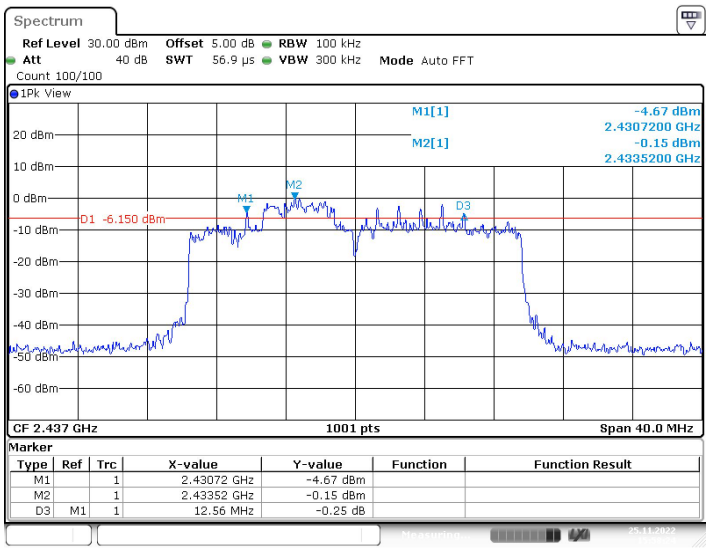

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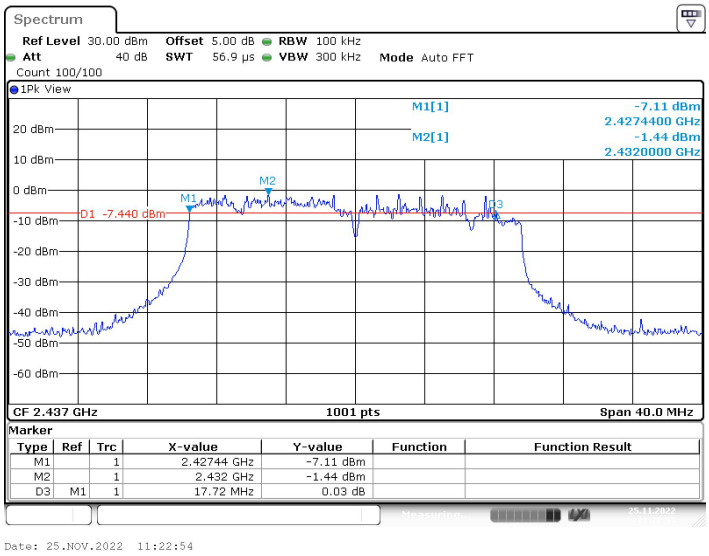

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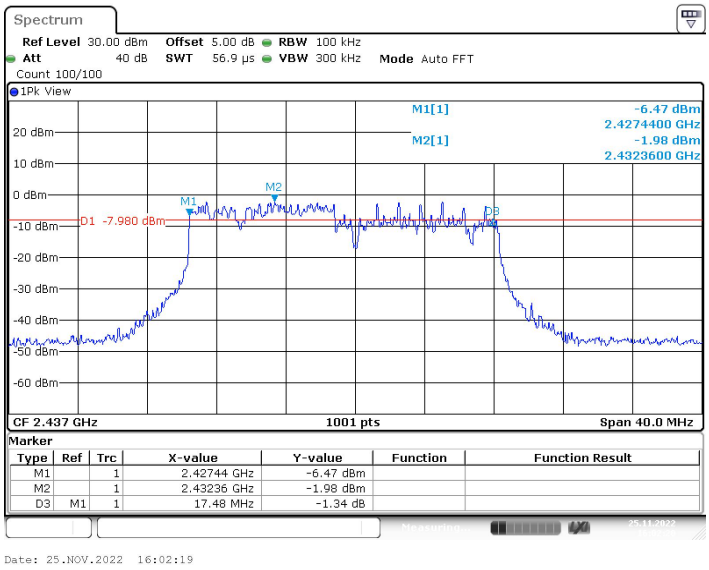

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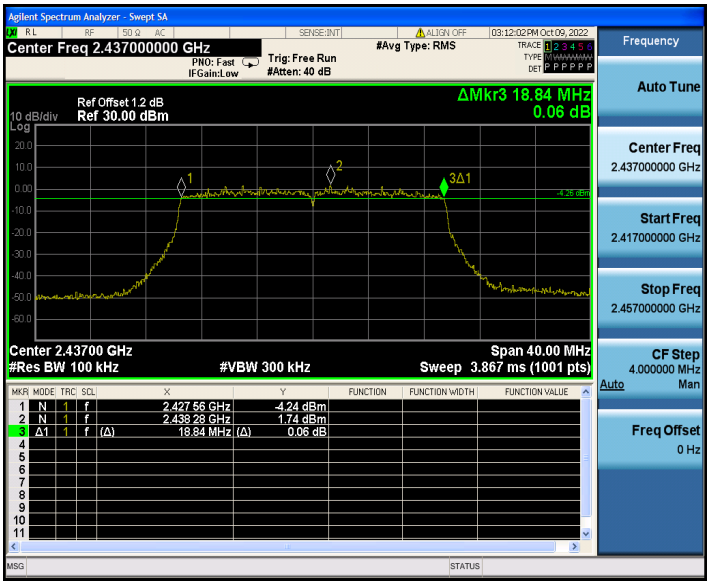

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