

APPENDIX B

WLAN 2.4G

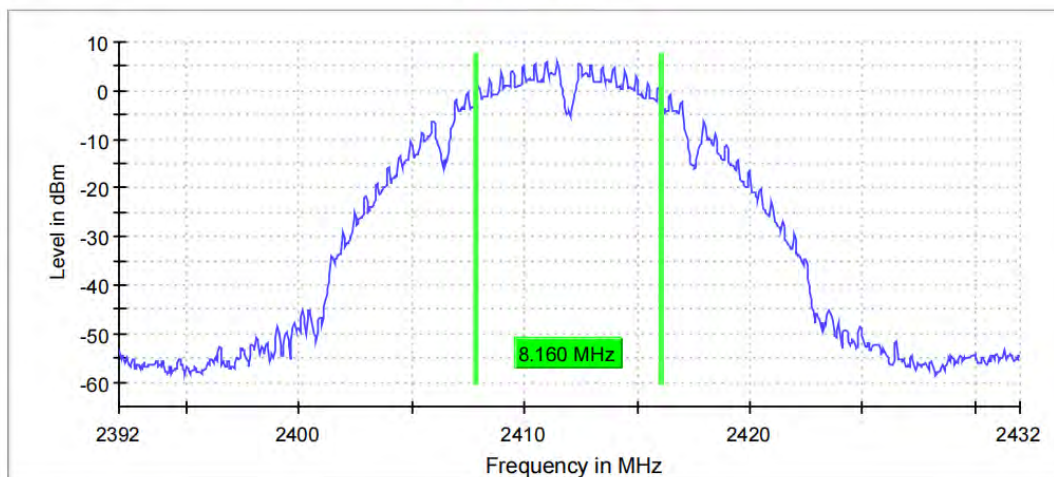
DTS BANDWIDTH TEST RESULT

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-MIMO	Ant9	2412	8.160	2407.870	2416.030	0.5	PASS
	Ant10	2412	8.160	2407.870	2416.030	0.5	PASS
	Ant9	2437	8.210	2432.870	2441.080	0.5	PASS
	Ant10	2437	8.160	2432.870	2441.030	0.5	PASS
	Ant9	2462	8.160	2457.870	2466.030	0.5	PASS
	Ant10	2462	8.160	2457.870	2466.030	0.5	PASS
11G-MIMO	Ant9	2412	16.020	2403.765	2403.765	0.5	PASS
	Ant10	2412	16.421	2403.765	2420.185	0.5	PASS
	Ant9	2437	16.421	2428.765	2445.185	0.5	PASS
	Ant10	2437	16.421	2428.765	2445.185	0.5	PASS
	Ant9	2462	15.820	2453.765	2469.584	0.5	PASS
	Ant10	2462	16.421	2453.765	2470.185	0.5	PASS
11N20-MI MO	Ant9	2412	16.421	2403.414	2419.835	0.5	PASS
	Ant10	2412	16.671	2403.765	2420.436	0.5	PASS
	Ant9	2437	17.021	2428.765	2445.786	0.5	PASS
	Ant10	2437	16.771	2428.414	2445.185	0.5	PASS
	Ant9	2462	16.120	2453.464	2469.584	0.5	PASS
	Ant10	2462	16.771	2453.414	2470.185	0.5	PASS
11N40-MI MO	Ant9	2422	35.372	2404.314	2439.686	0.5	PASS
	Ant10	2422	36.173	2403.914	2440.086	0.5	PASS
	Ant9	2437	35.872	2418.814	2454.686	0.5	PASS
	Ant10	2437	35.972	2418.714	2454.686	0.5	PASS
	Ant9	2452	35.922	2433.814	2469.736	0.5	PASS
	Ant10	2452	36.073	2433.664	2469.736	0.5	PASS
11AX20-MI MO	Ant9	2412	18.373	2402.463	2420.836	0.5	PASS
	Ant10	2412	18.673	2402.713	2421.387	0.5	PASS
	Ant9	2437	18.924	2427.463	2446.387	0.5	PASS
	Ant10	2437	18.874	2427.463	2446.337	0.5	PASS
	Ant9	2462	18.273	2452.463	2470.736	0.5	PASS
	Ant10	2462	18.723	2452.463	2471.186	0.5	PASS
11AX40-MI MO	Ant9	2422	36.873	2403.263	2440.136	0.5	PASS
	Ant10	2422	37.423	2403.363	2440.787	0.5	PASS
	Ant9	2437	37.824	2417.913	2455.737	0.5	PASS
	Ant10	2437	37.724	2417.963	2455.687	0.5	PASS
	Ant9	2452	37.974	2432.963	2470.937	0.5	PASS
	Ant10	2452	37.223	2433.063	2470.286	0.5	PASS

TEST GRAPHS

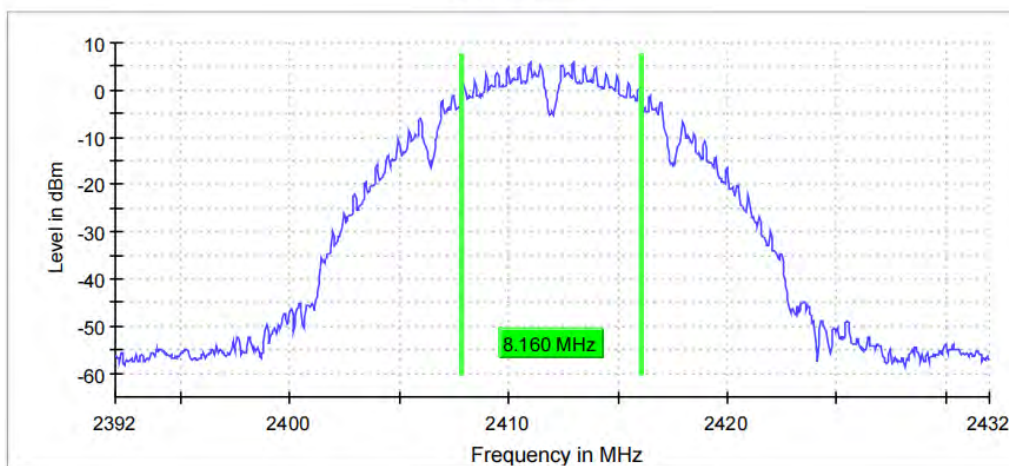
11B_Ant9_2412

6 dB Bandwidth

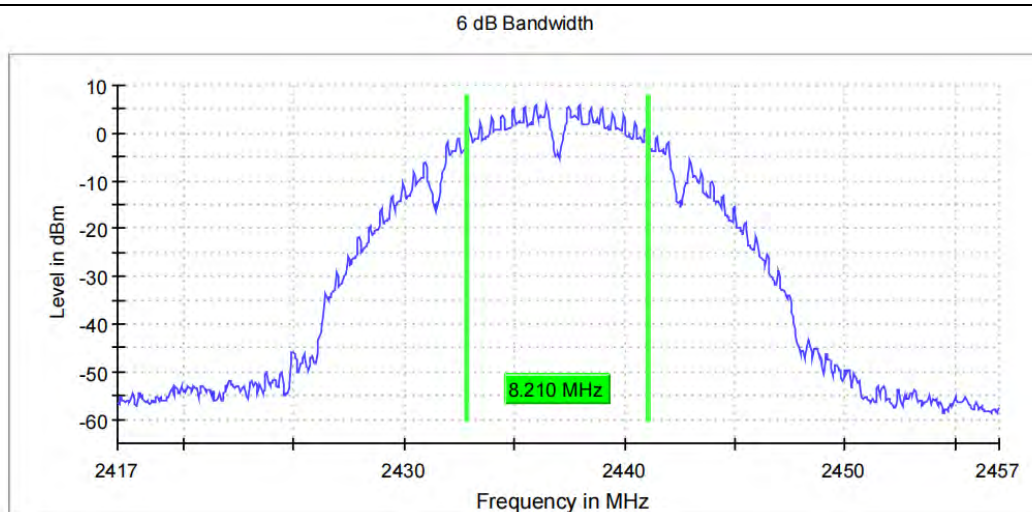


11B_Ant10_2412

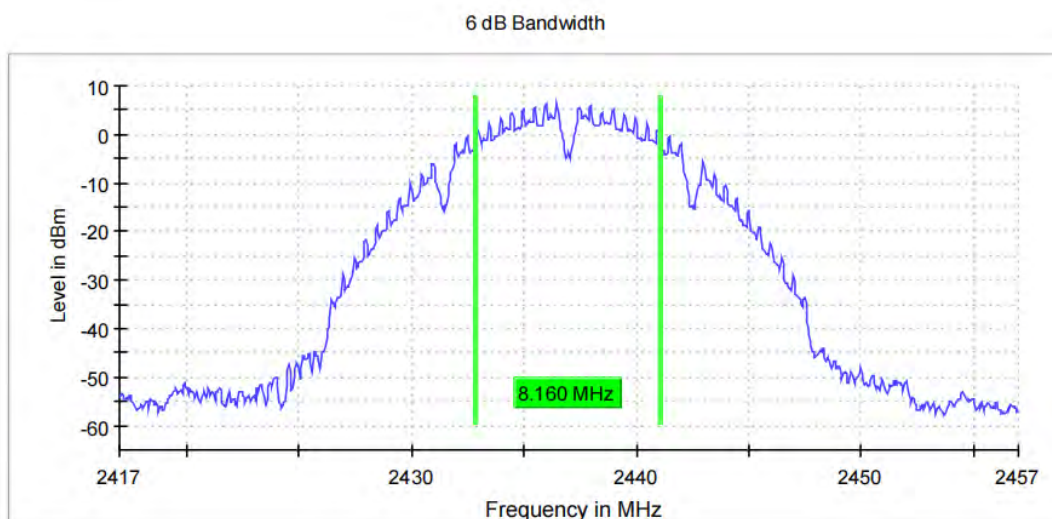
6 dB Bandwidth



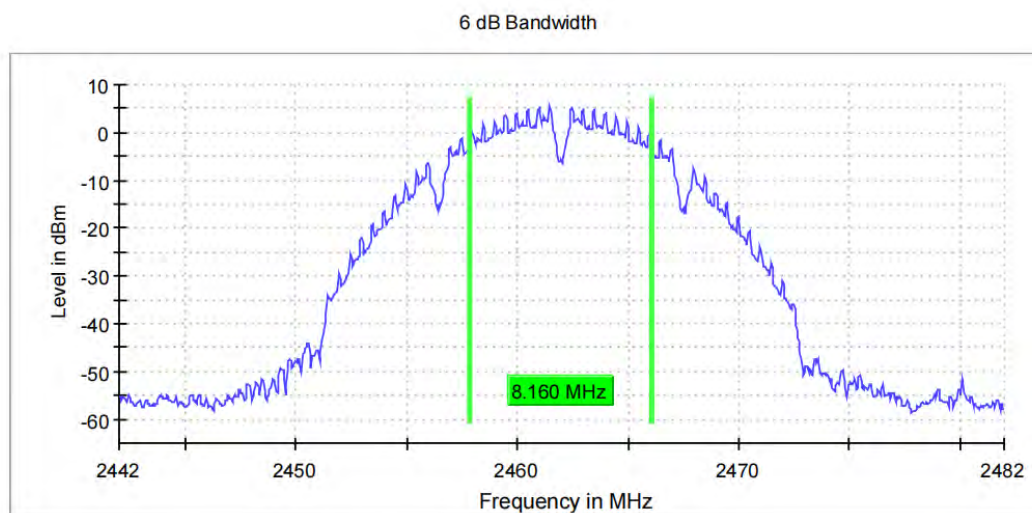
11B_Ant9_2437



11B_Ant10_2437

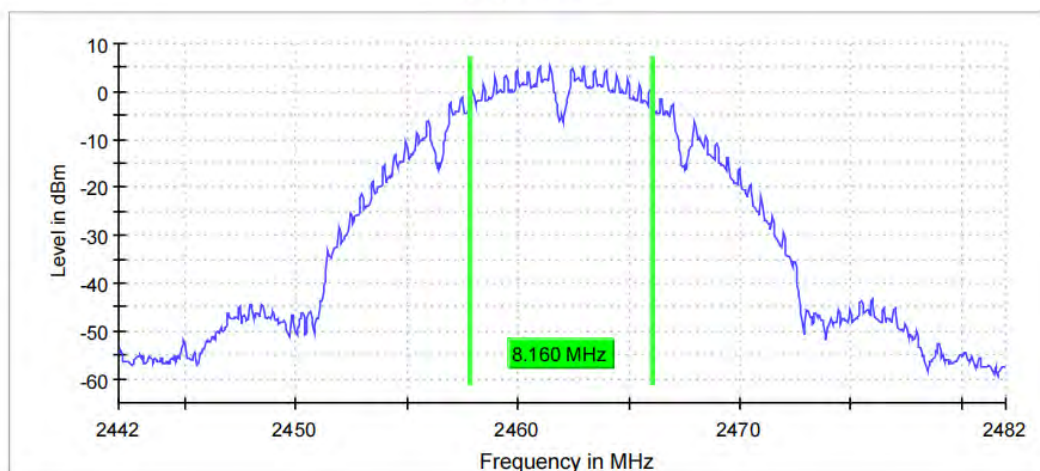


11B_Ant9_2462



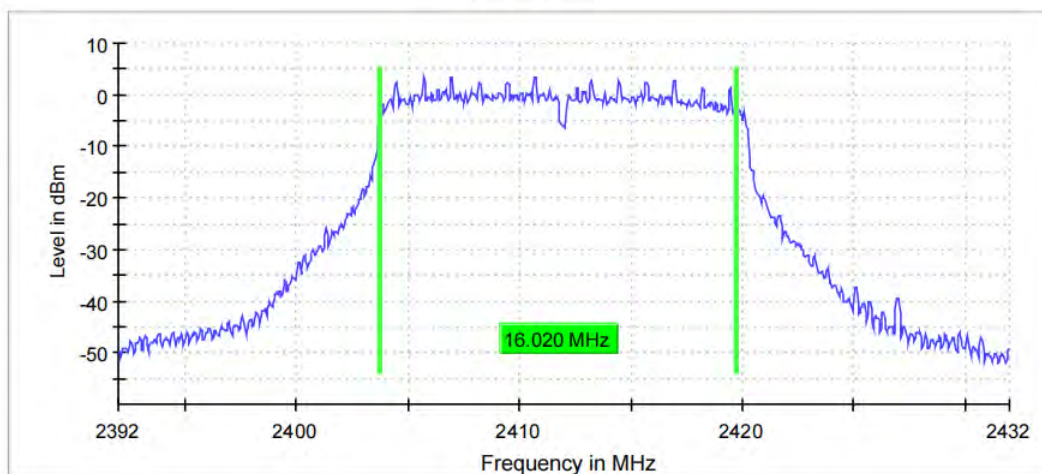
11B_Ant10_2462

6 dB Bandwidth



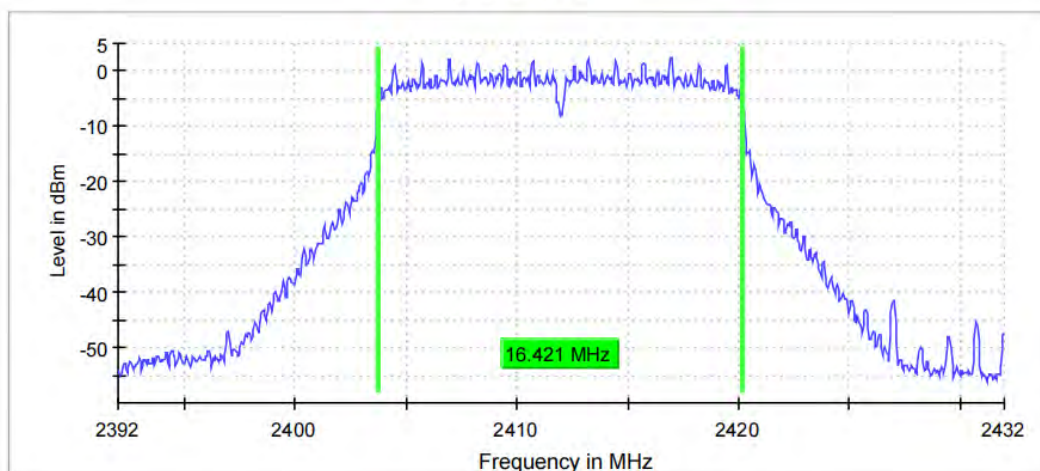
11G_Ant9_2412

6 dB Bandwidth



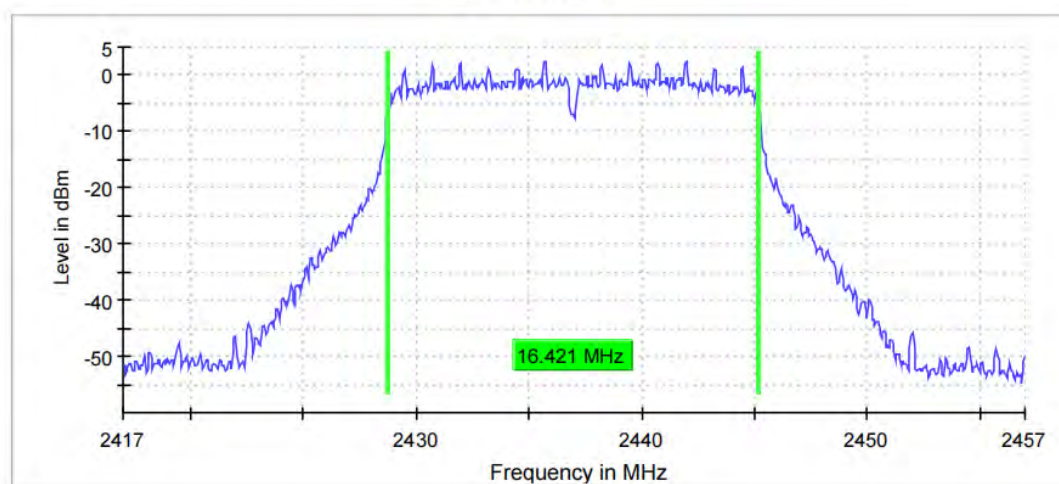
11G_Ant10_2412

6 dB Bandwidth

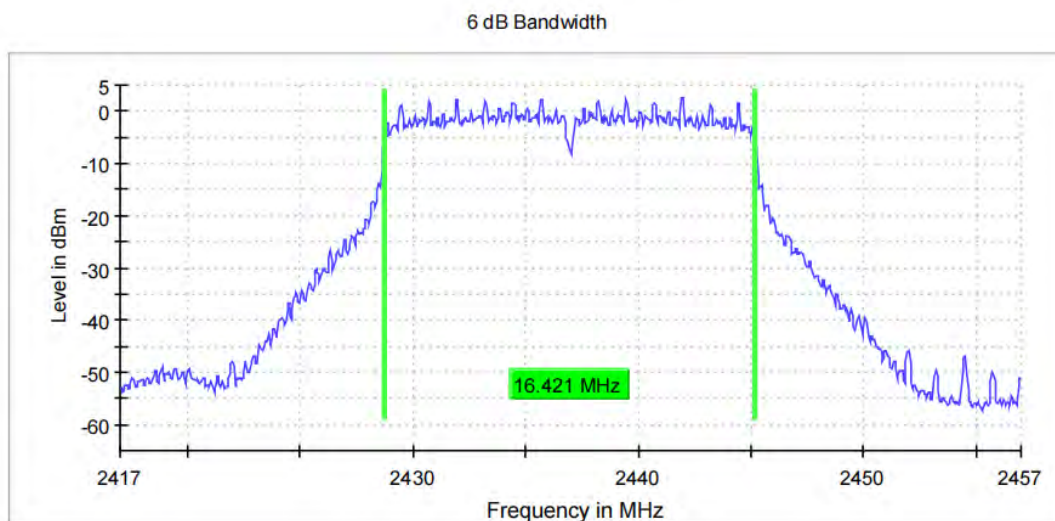


11G_Ant9_2437

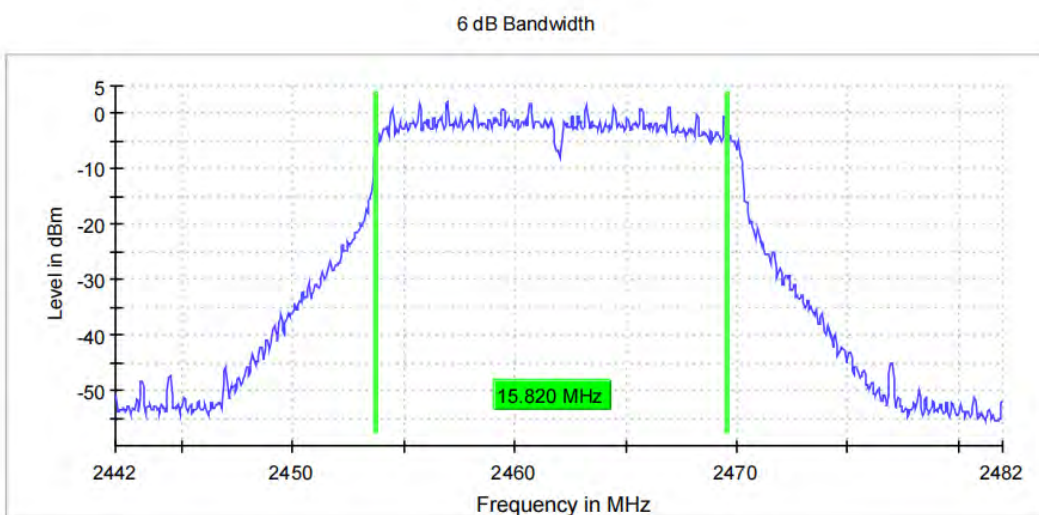
6 dB Bandwidth



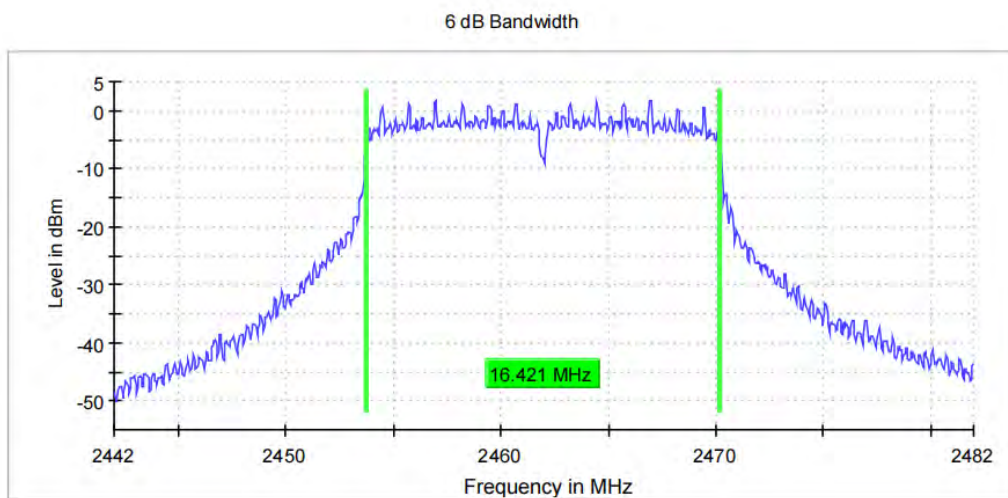
11G_Ant10_2437



11G Ant9 2462

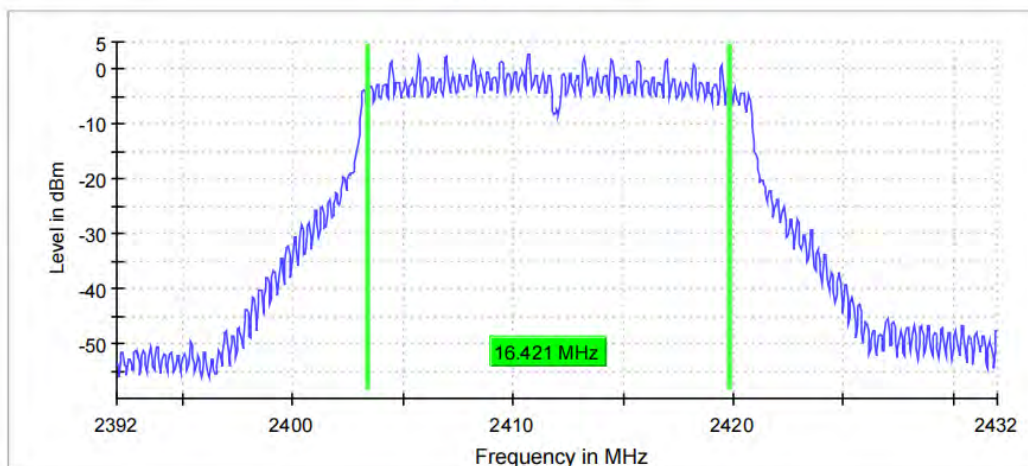


11G Ant10 2462



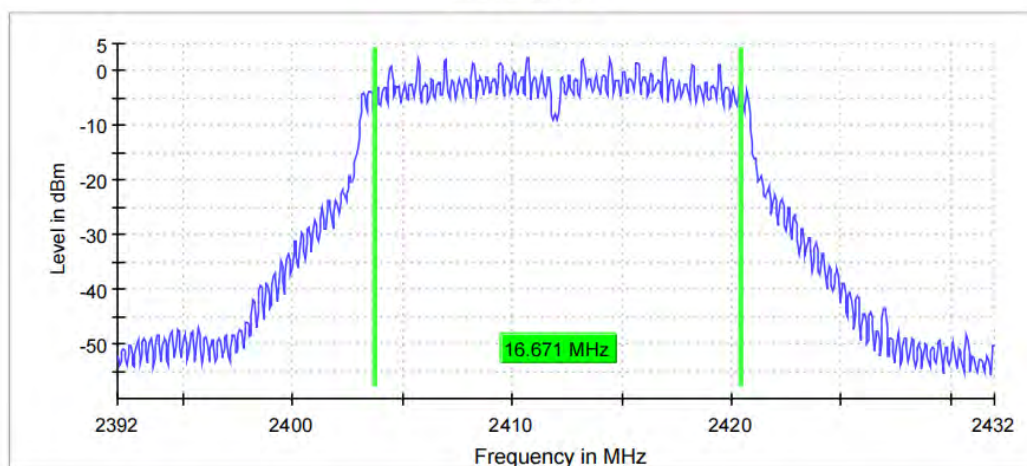
11N20_Ant9_2412

6 dB Bandwidth



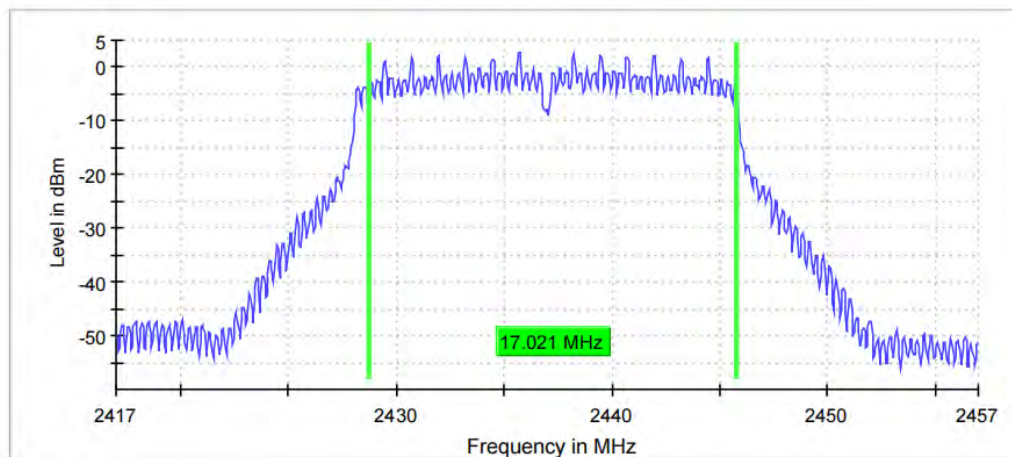
11N20_Ant10_2412

6 dB Bandwidth



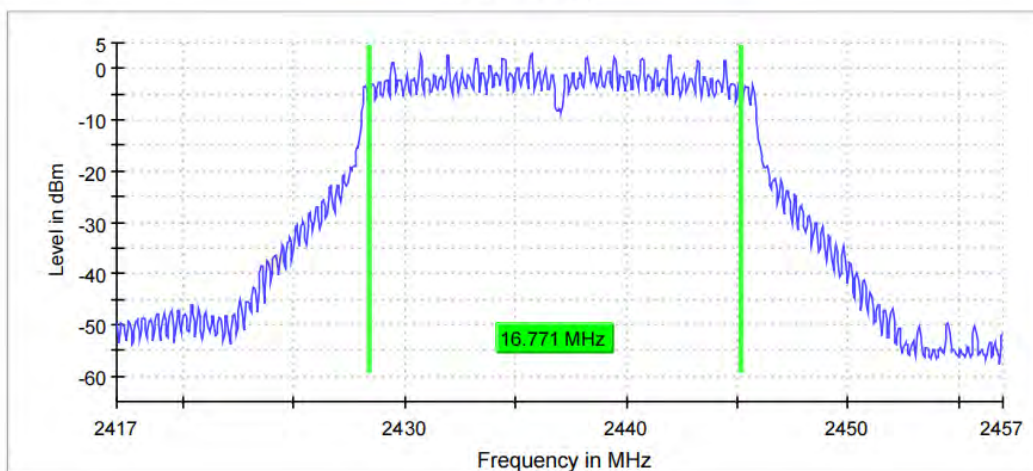
11N20_Ant9_2437

6 dB Bandwidth



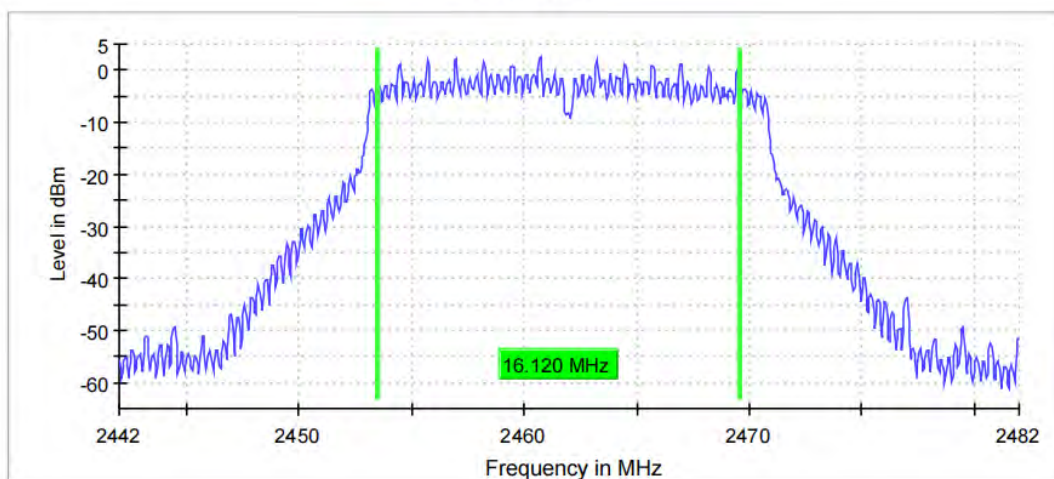
11N20_Ant10_2437

6 dB Bandwidth



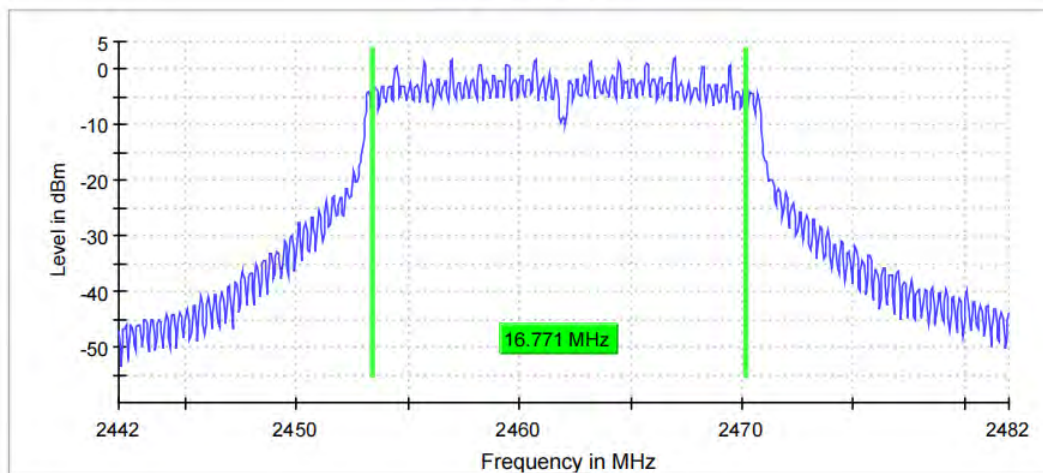
11N20_Ant9_2462

6 dB Bandwidth



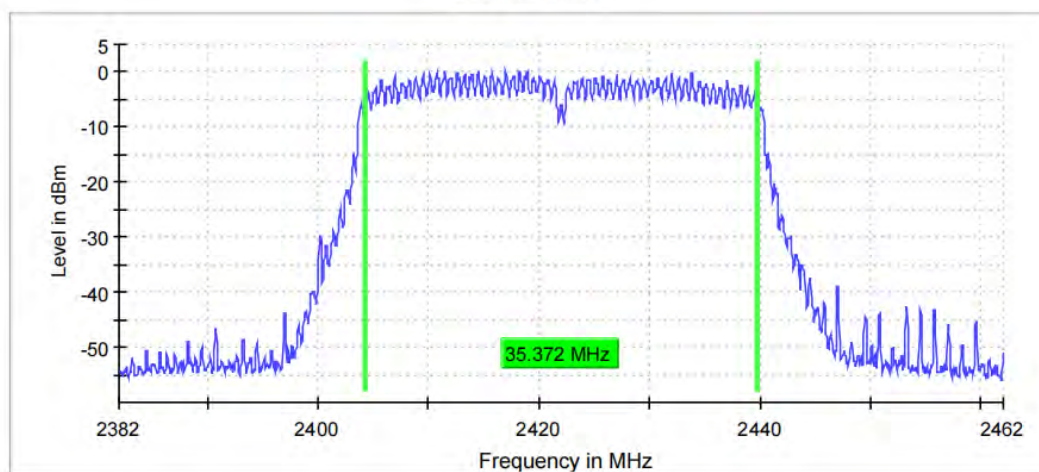
11N20_Ant10_2462

6 dB Bandwidth



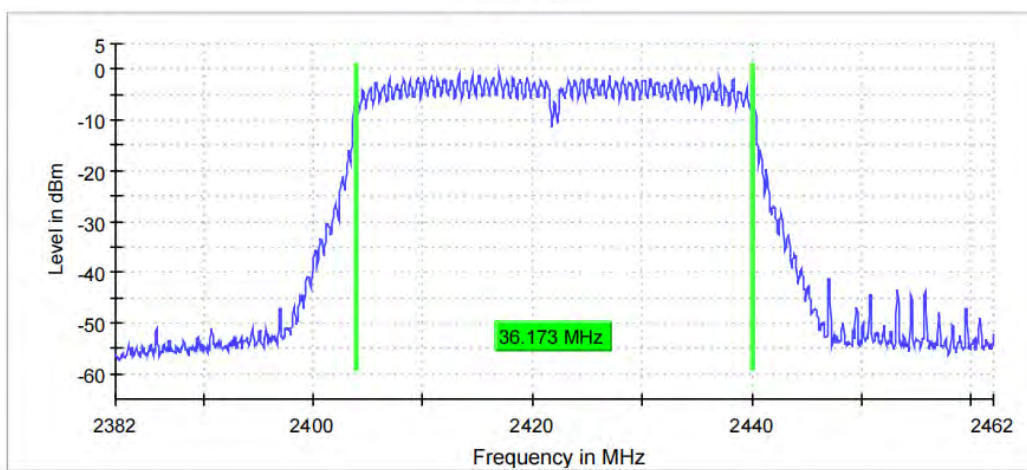
11N40_Ant9_2422

6 dB Bandwidth



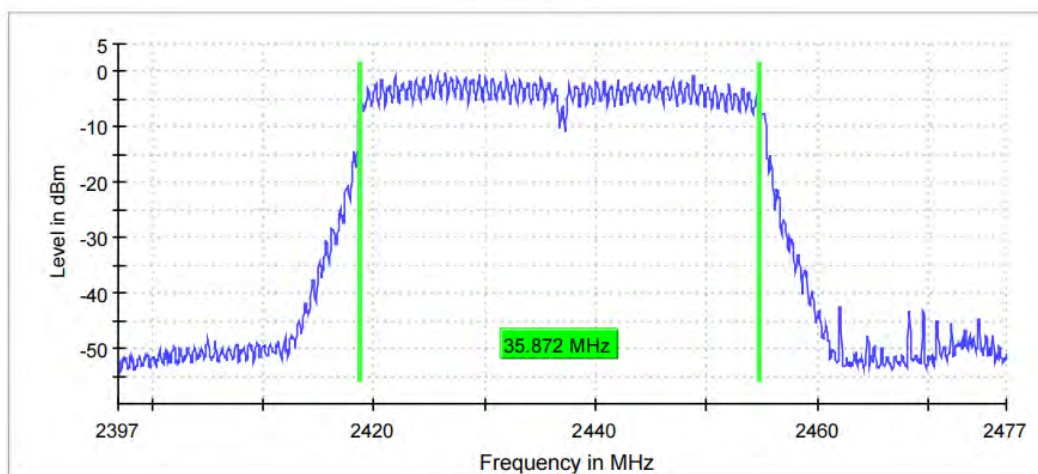
11N40_Ant10_2422

6 dB Bandwidth



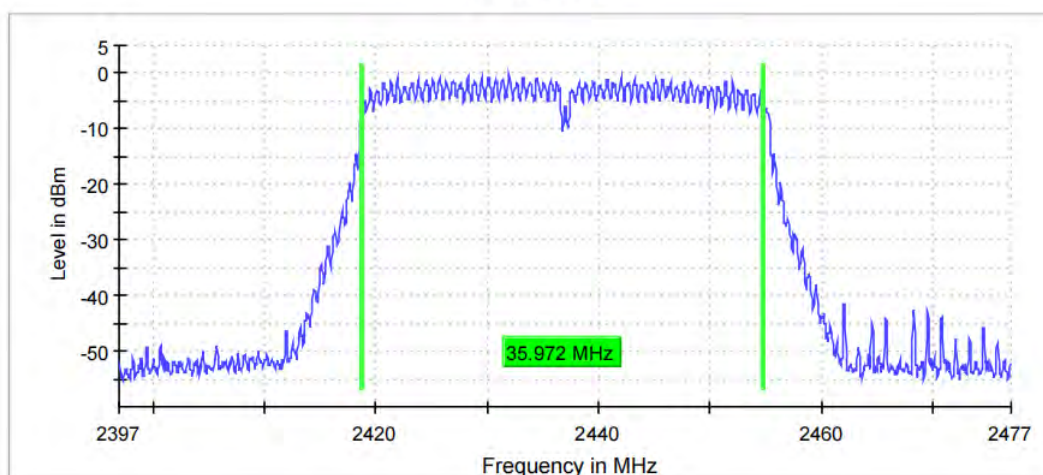
11N40_Ant9_2437

6 dB Bandwidth



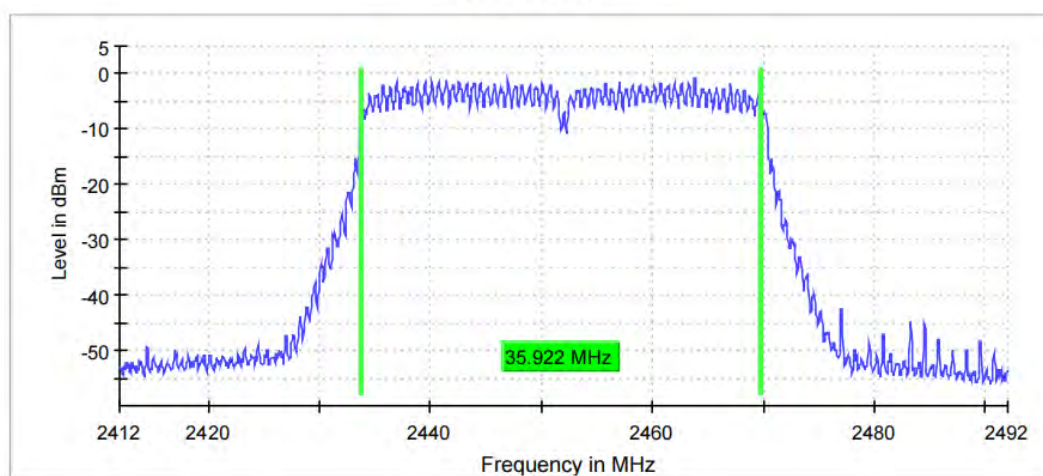
11N40_Ant10_2437

6 dB Bandwidth



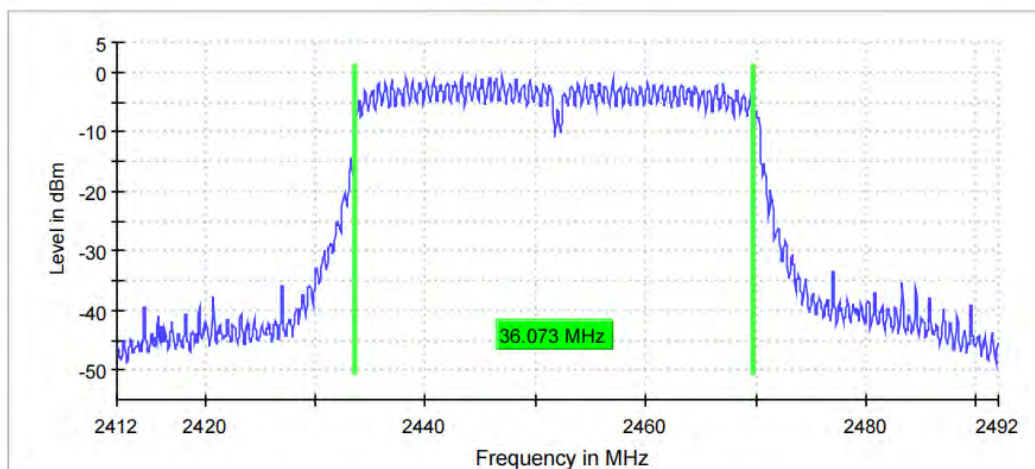
11N40_Ant9_2452

6 dB Bandwidth



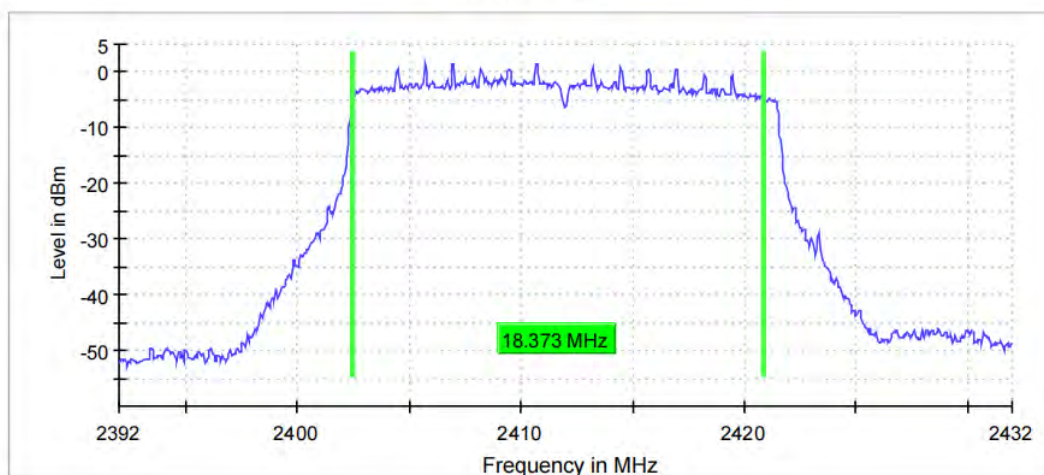
11N40_Ant10_2452

6 dB Bandwidth



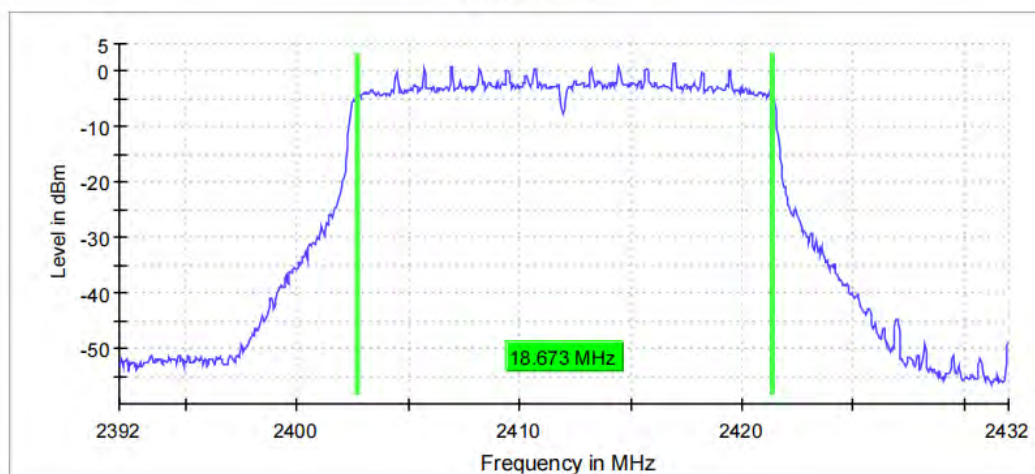
11AX20_Ant9_2412

6 dB Bandwidth



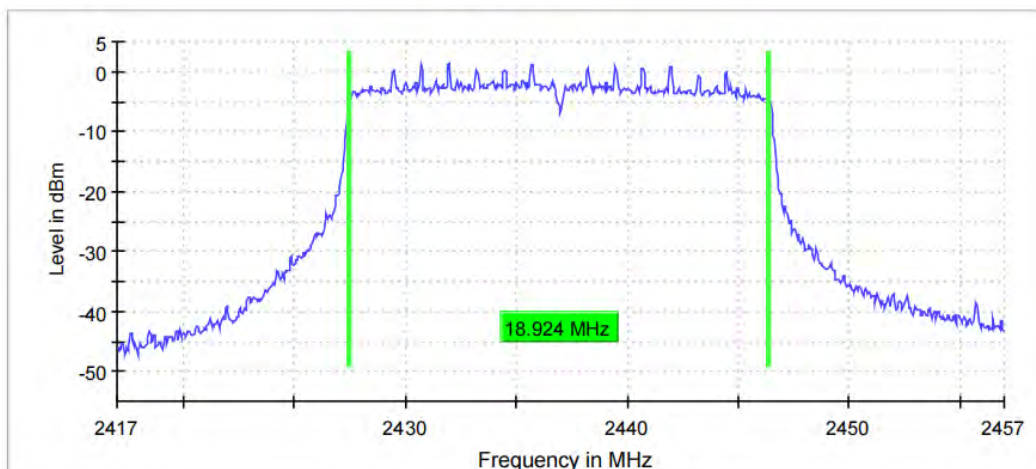
11AX20_Ant10_2412

6 dB Bandwidth



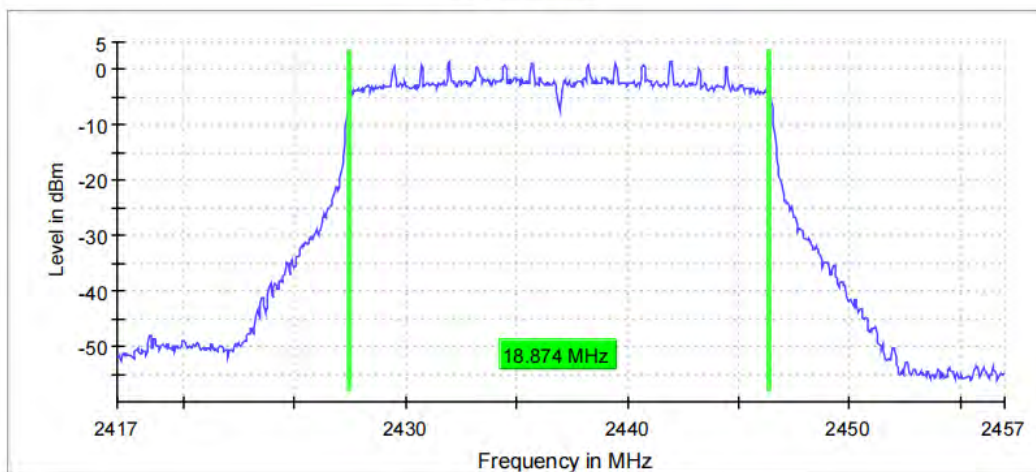
11AX20_Ant9_2437

6 dB Bandwidth



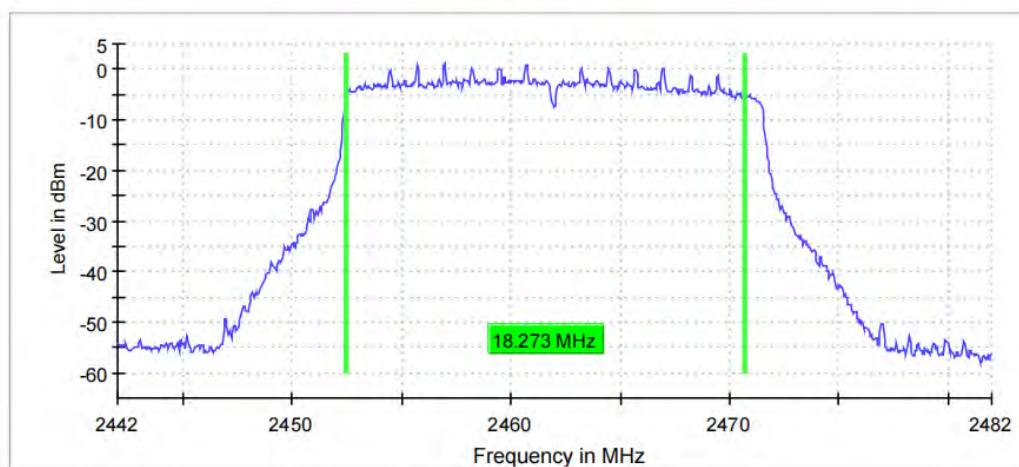
11AX20 Ant10 2437

6 dB Bandwidth



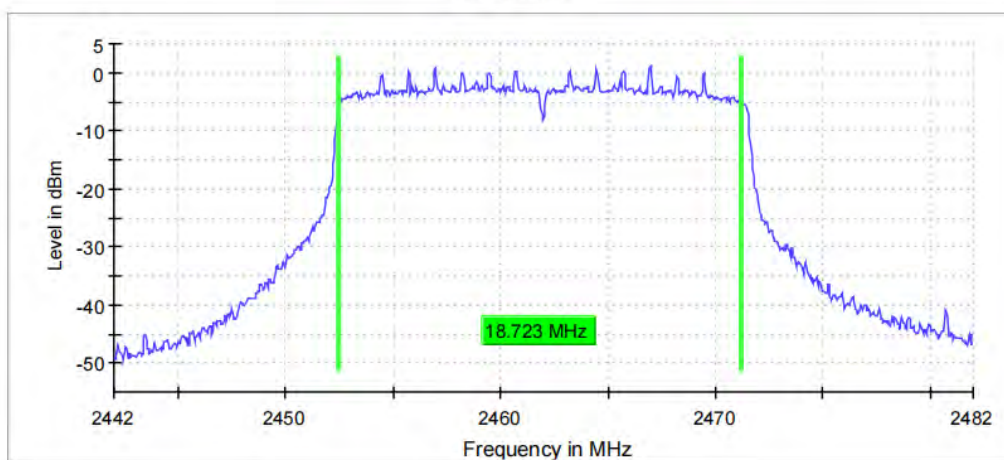
11AX20 Ant9 2462

6 dB Bandwidth



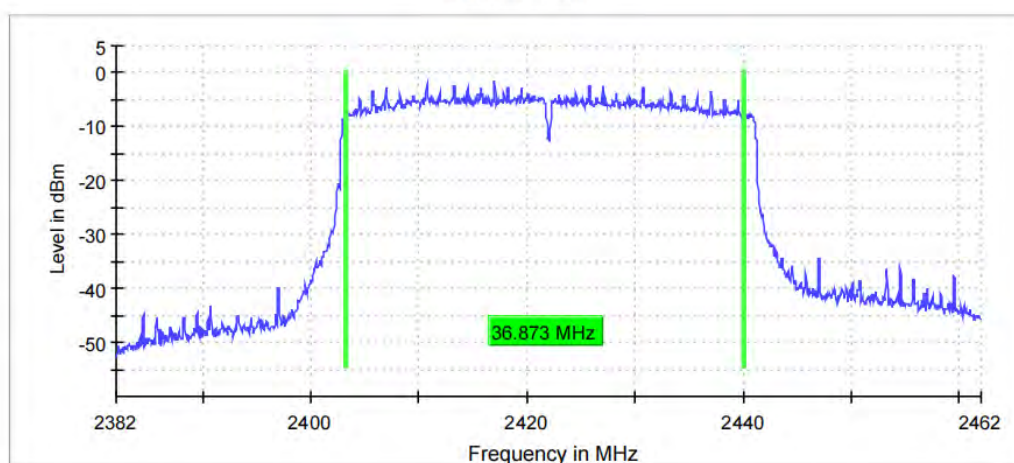
11AX20 Ant10 2462

6 dB Bandwidth



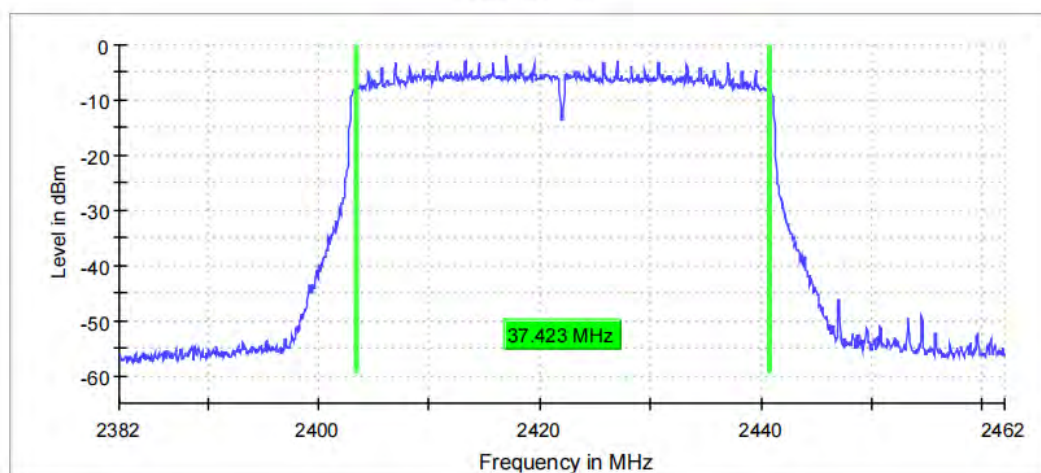
11AX40_Ant9_2422

6 dB Bandwidth



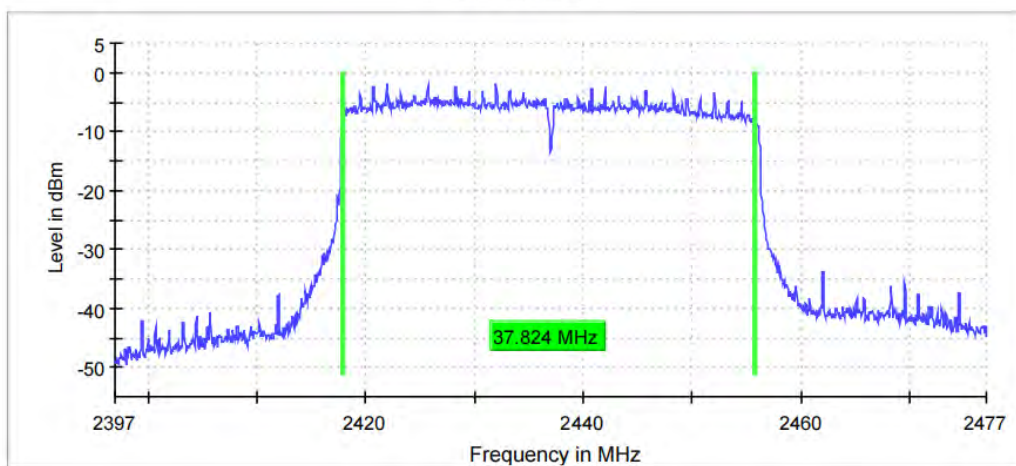
11AX40_Ant10_2422

6 dB Bandwidth



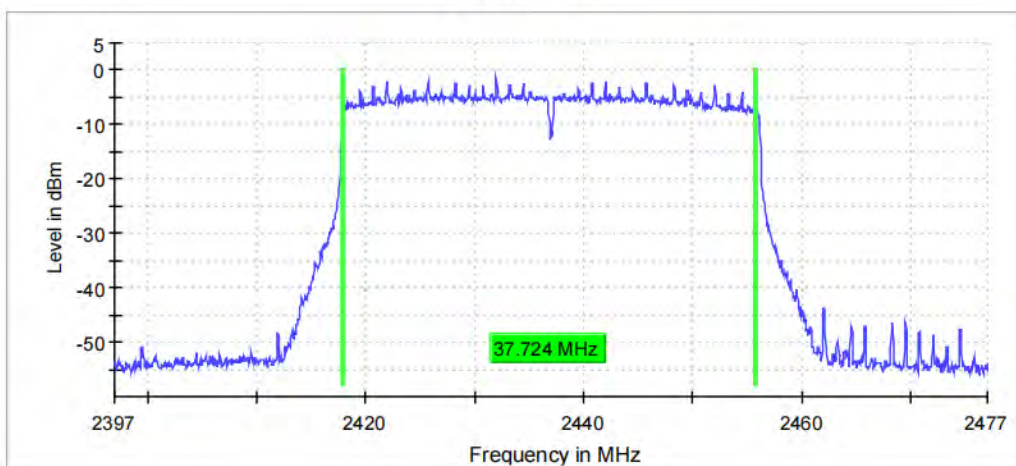
11AX40_Ant9_2437

6 dB Bandwidth



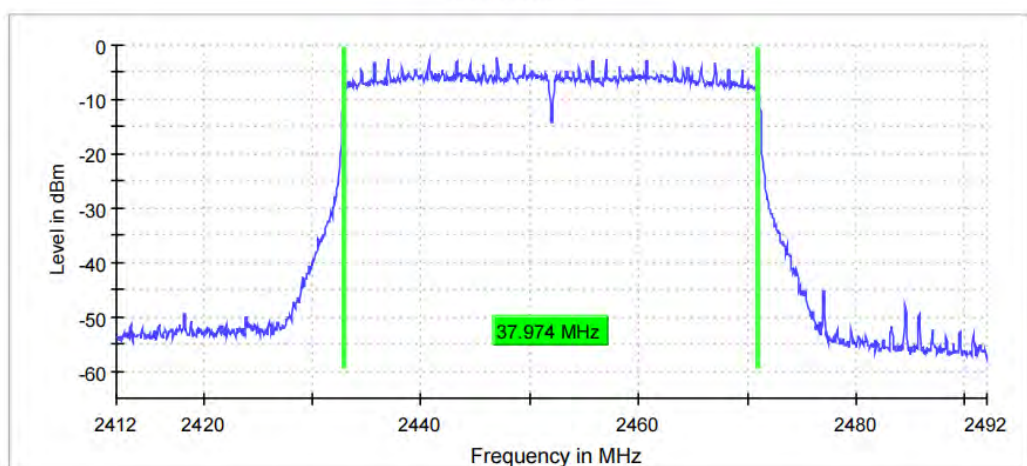
11AX40_Ant10_2437

6 dB Bandwidth

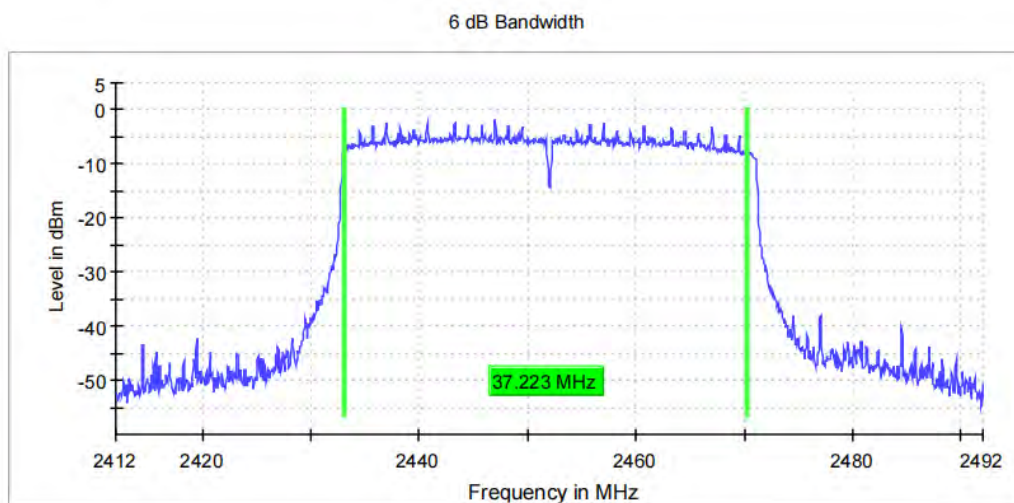


11AX40_Ant9_2452

6 dB Bandwidth



11AX40_Ant10_2452



20M
RBW 100.000 kHz
VBW 300.000 kHz
40M
RBW 100.000 kHz
VBW 300.000 kHz

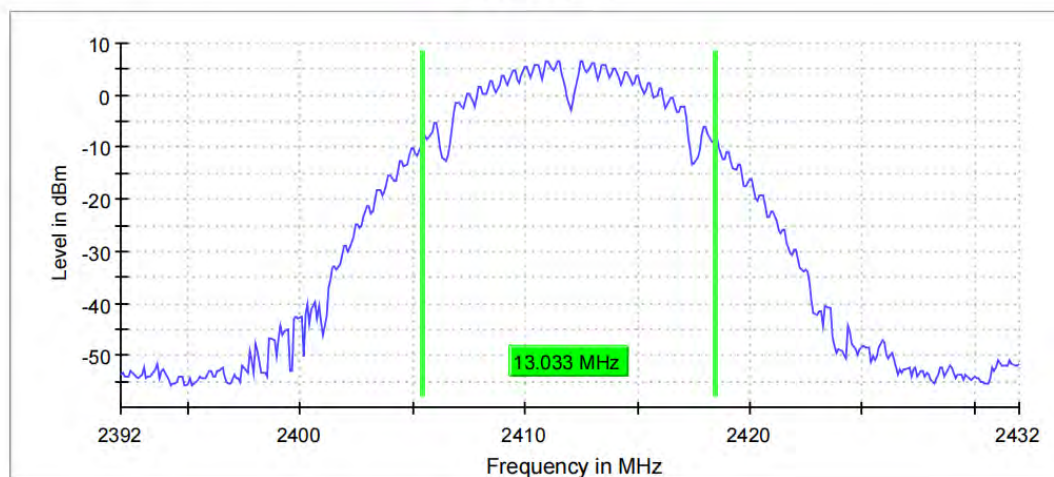
OCCUPIED CHANNEL BANDWIDTH TEST RESULT

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-MIM O	Ant9	2412	13.033	2405.434	2418.466	---	---
	Ant10	2412	13.033	2405.434	2418.466	---	---
	Ant9	2437	13.133	2430.434	2443.566	---	---
	Ant10	2437	13.133	2430.434	2443.566	---	---
	Ant9	2462	13.033	2455.434	2468.466	---	---
	Ant10	2462	13.233	2455.333	2468.566	---	---
11G-MIM O	Ant9	2412	16.441	2403.729	2420.170	---	---
	Ant10	2412	16.541	2403.729	2420.271	---	---
	Ant9	2437	16.341	2428.830	2445.170	---	---
	Ant10	2437	16.441	2428.729	2445.170	---	---
	Ant9	2462	16.441	2453.729	2470.170	---	---
	Ant10	2462	16.541	2453.729	2470.271	---	---
11N20-MI MO	Ant9	2412	17.544	2403.228	2420.772	---	---
	Ant10	2412	17.544	2403.228	2420.772	---	---
	Ant9	2437	17.644	2428.228	2445.872	---	---
	Ant10	2437	17.544	2428.228	2445.772	---	---
	Ant9	2462	17.644	2453.128	2470.772	---	---
	Ant10	2462	17.644	2453.128	2470.772	---	---
11N40-MI MO	Ant9	2422	36.364	2403.818	2440.182	---	---
	Ant10	2422	36.364	2403.818	2440.182	---	---
	Ant9	2437	36.364	2418.818	2455.182	---	---
	Ant10	2437	36.113	2418.818	2454.931	---	---
	Ant9	2452	36.364	2433.818	2470.182	---	---
	Ant10	2452	36.364	2433.818	2470.182	---	---
11AX20- MIMO	Ant9	2412	19.048	2402.426	2421.474	---	---
	Ant10	2412	18.947	2402.526	2421.474	---	---
	Ant9	2437	19.048	2427.426	2446.474	---	---
	Ant10	2437	18.947	2427.526	2446.474	---	---
	Ant9	2462	19.048	2452.426	2471.474	---	---
	Ant10	2462	19.048	2452.426	2471.474	---	---
11AX40- MIMO	Ant9	2422	37.868	2403.066	2440.934	---	---
	Ant10	2422	37.868	2403.066	2440.934	---	---
	Ant9	2437	37.868	2418.066	2455.934	---	---
	Ant10	2437	37.868	2418.066	2455.934	---	---
	Ant9	2452	37.868	2433.066	2470.934	---	---
	Ant10	2452	37.868	2433.066	2470.934	---	---

TEST GRAPHS

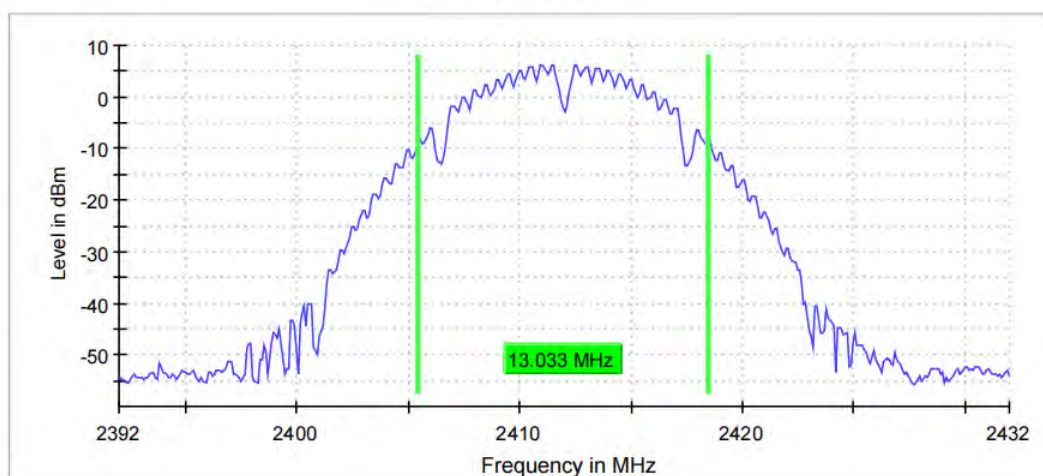
11B_Ant9_2412

99 % Bandwidth

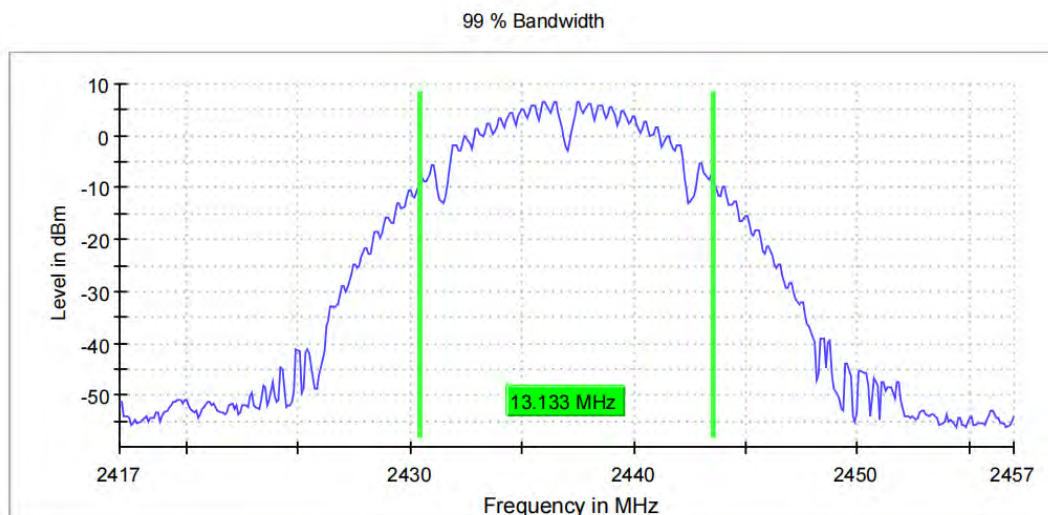


11B_Ant10_2412

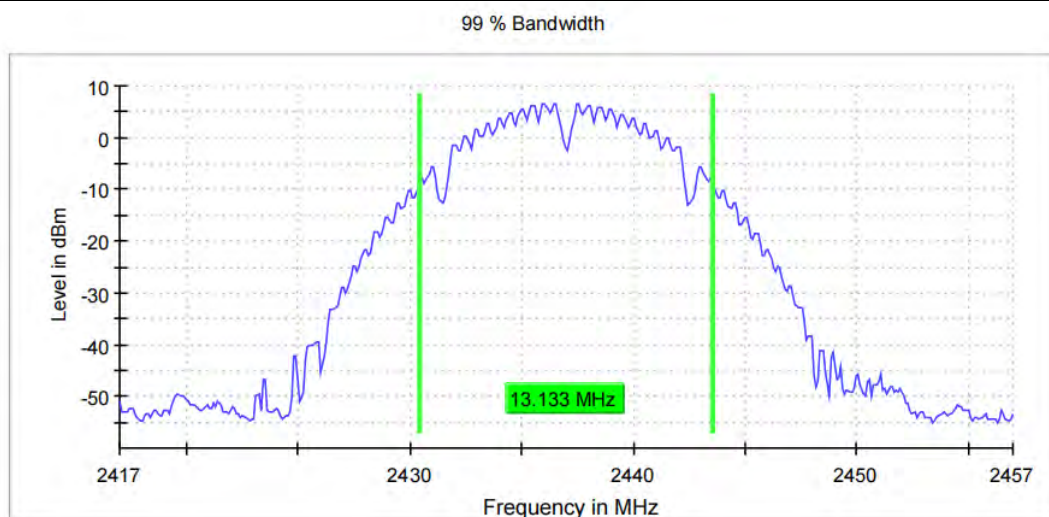
99 % Bandwidth



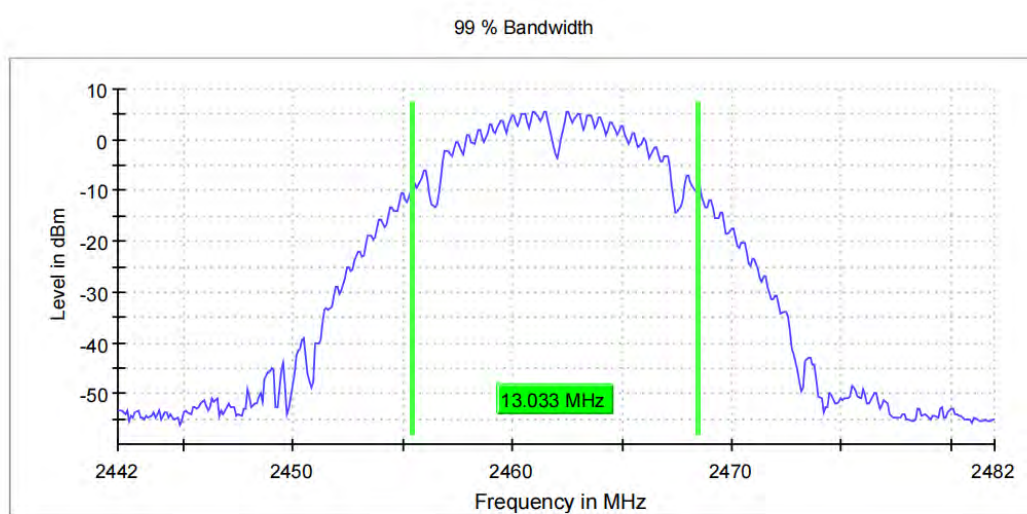
11B_Ant9_2437



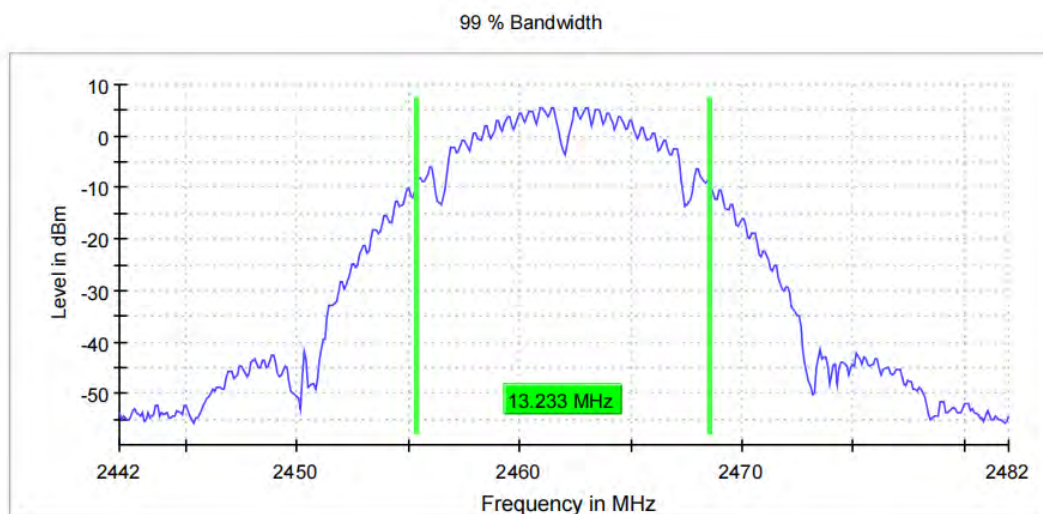
11B_Ant10_2437



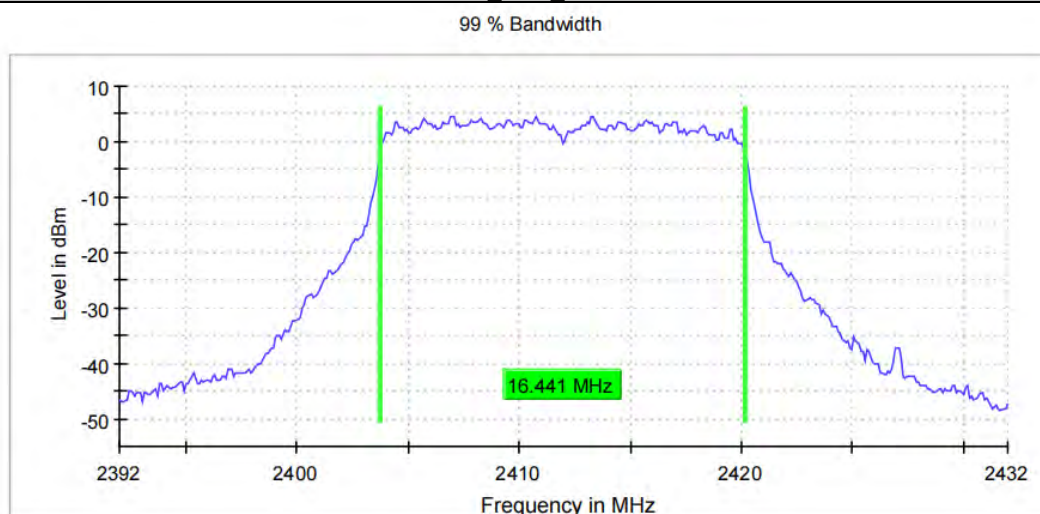
11B_Ant9_2462



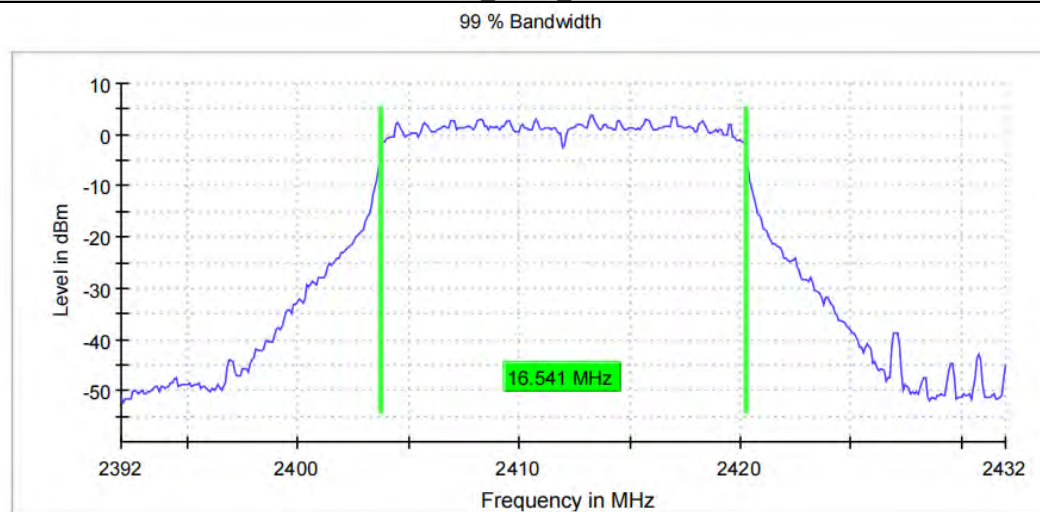
11B_Ant10_2462



11G Ant9 2412

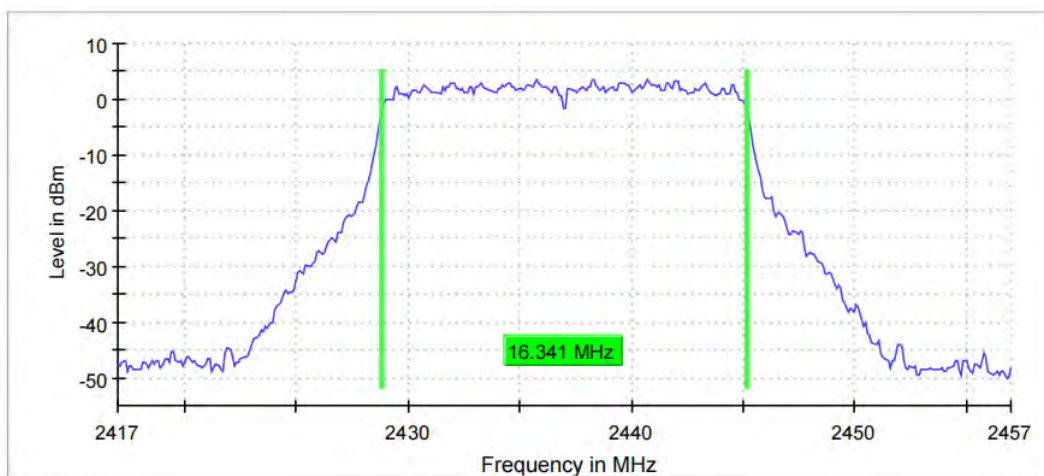


11G Ant10 2412



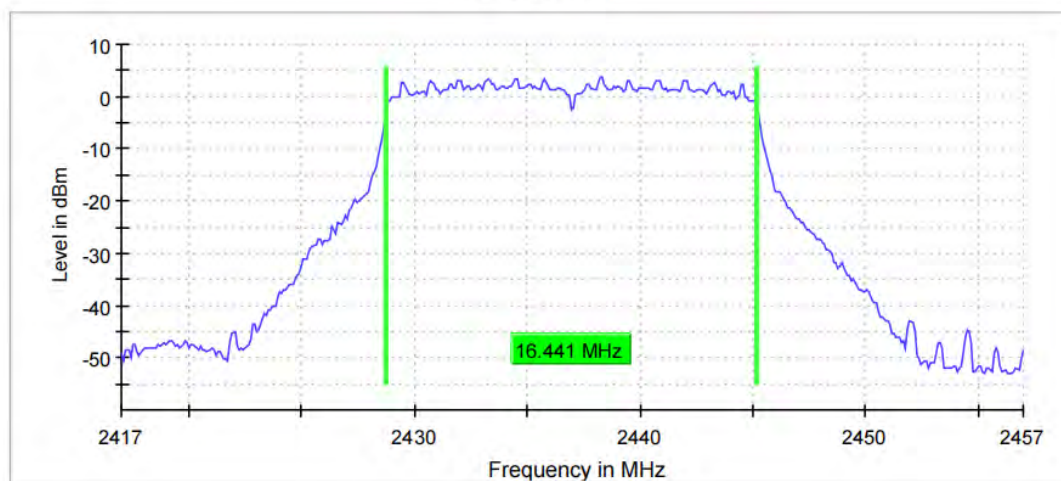
11G Ant9 2437

99 % Bandwidth



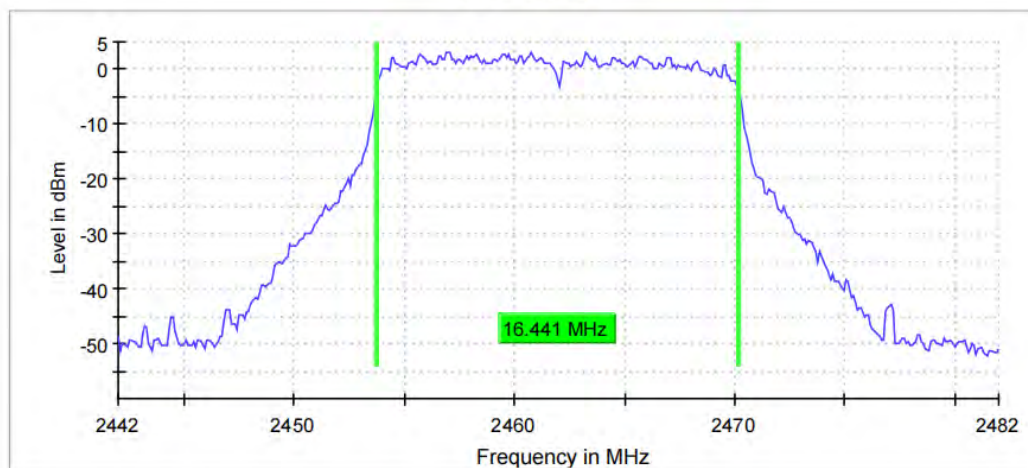
11G_Ant10_2437

99 % Bandwidth

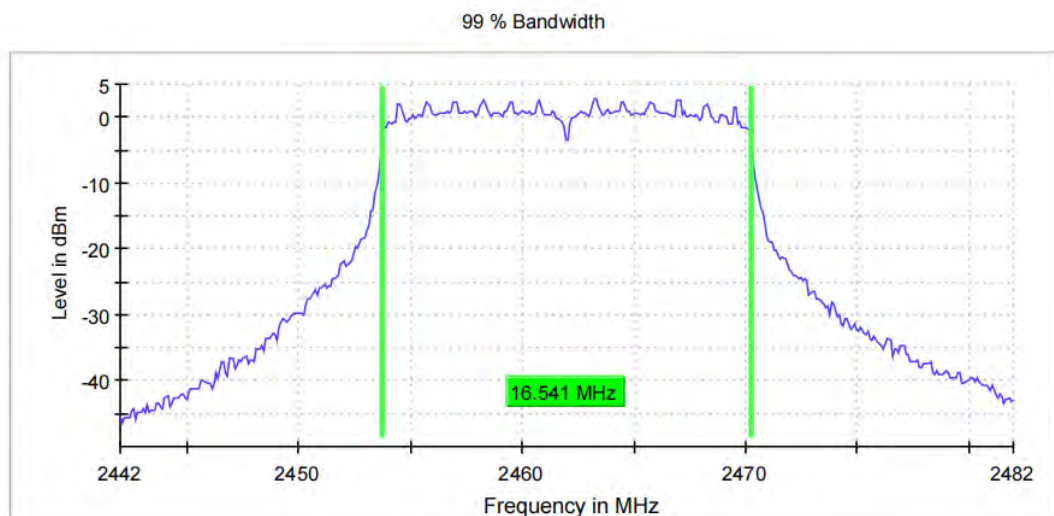


11G_Ant9_2462

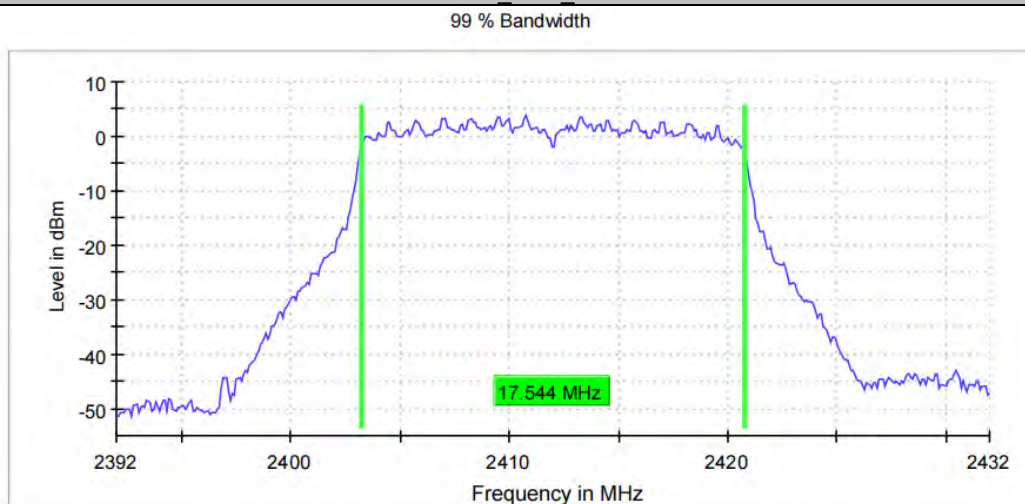
99 % Bandwidth



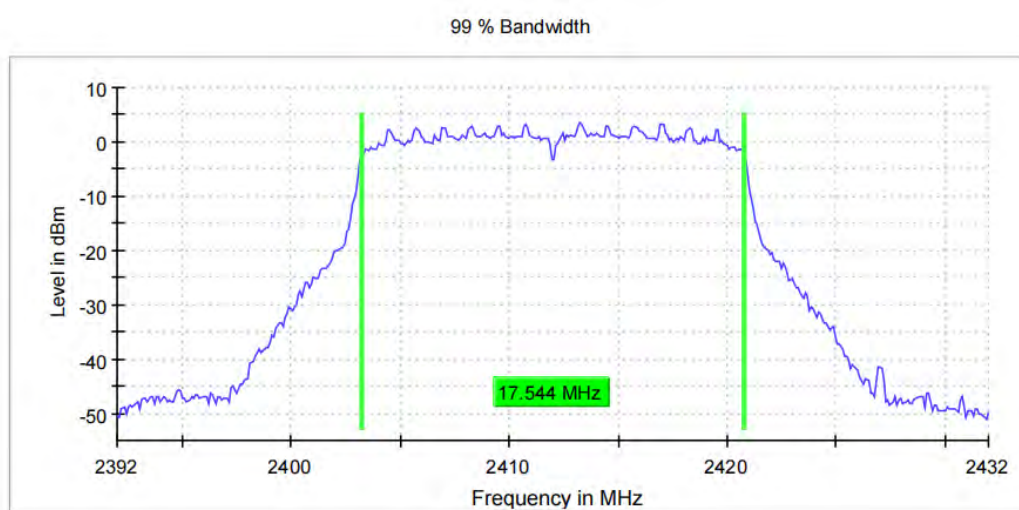
11G_Ant10_2462



11N20_Ant9_2412

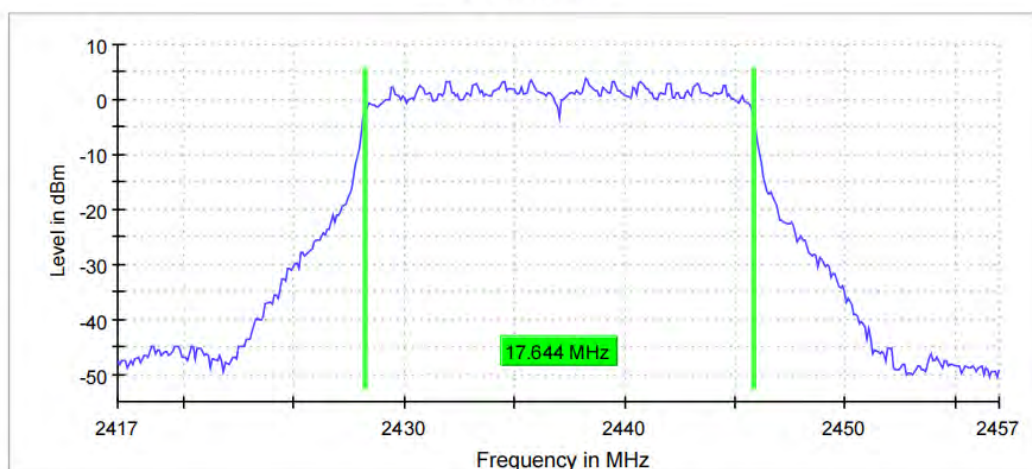


11N20_Ant10_2412



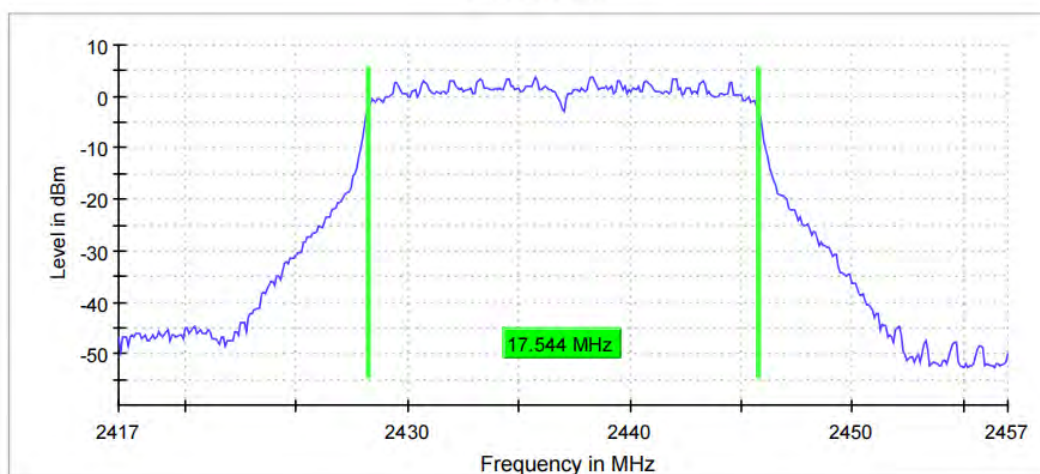
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99 % Bandwidth



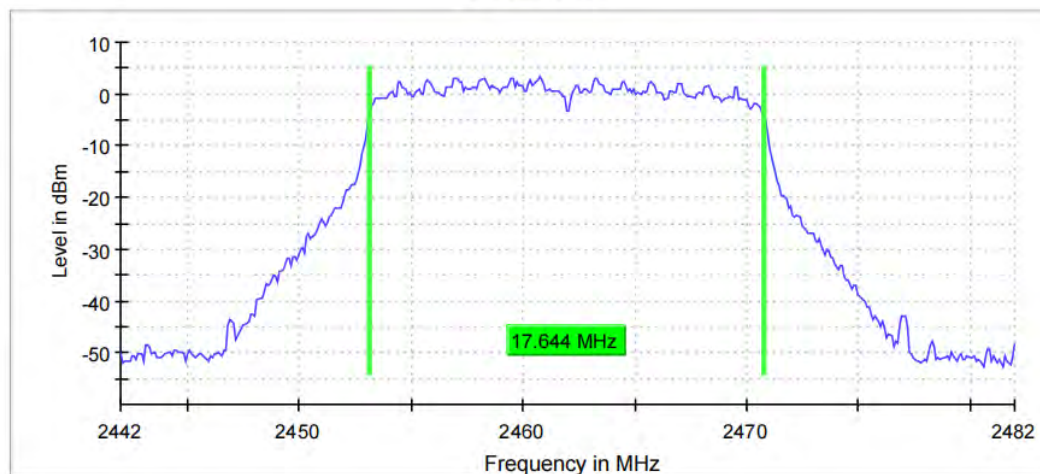
11N20_Ant10_2437

99 % Bandwidth



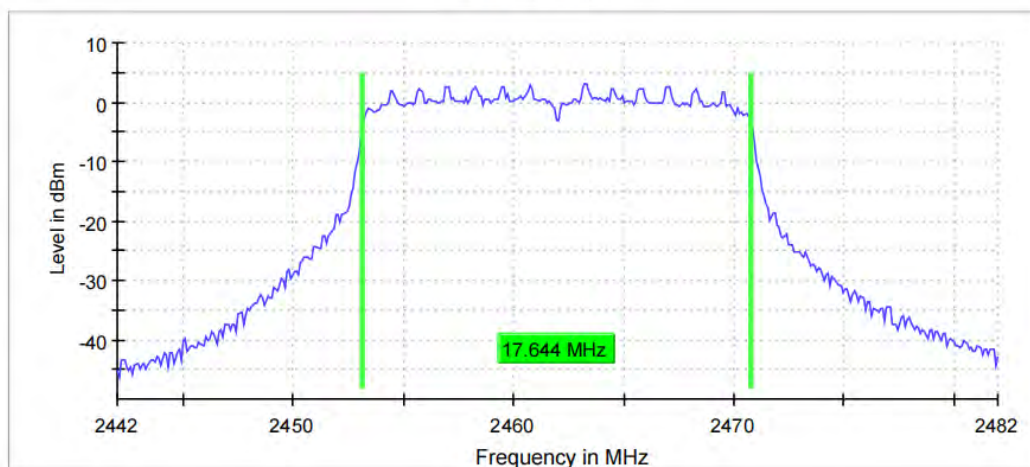
11N20_Ant9_2462

99 % Bandwidth



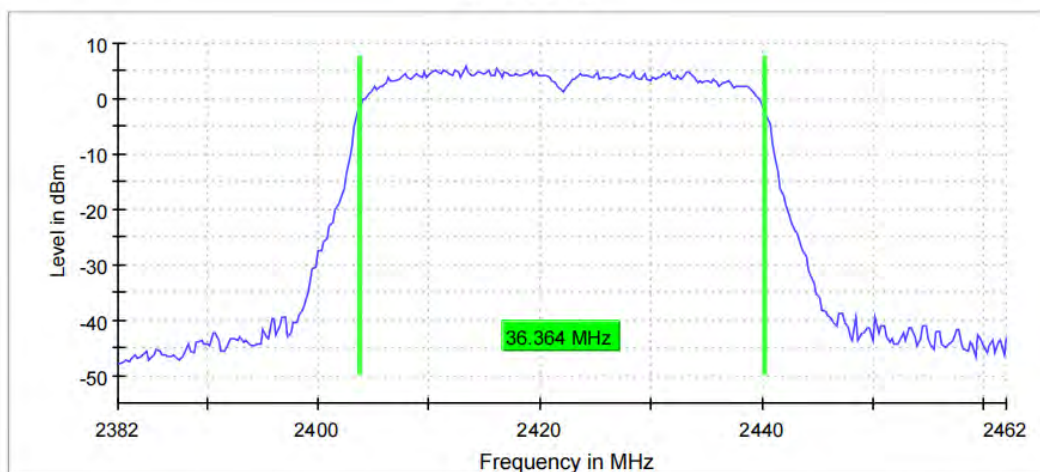
11N20_Ant10_2462

99 % Bandwidth



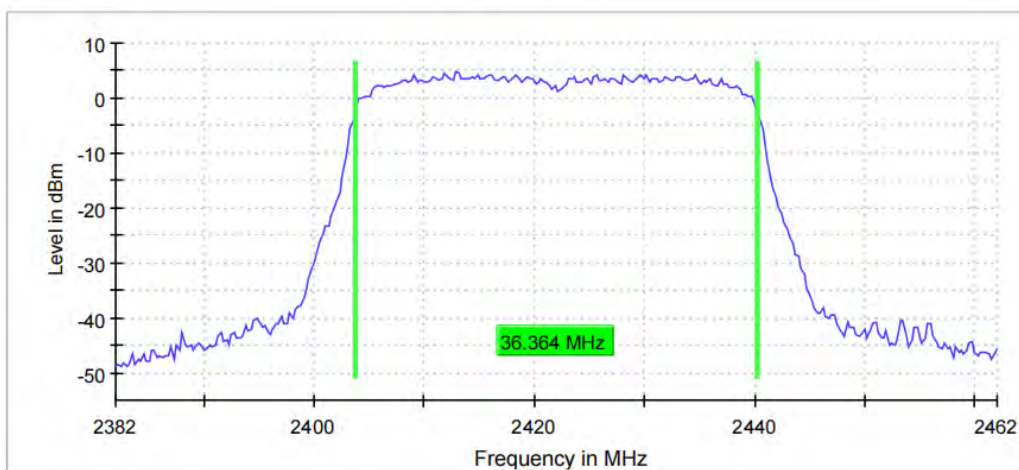
11N40_Ant9_2422

99 % Bandwidth



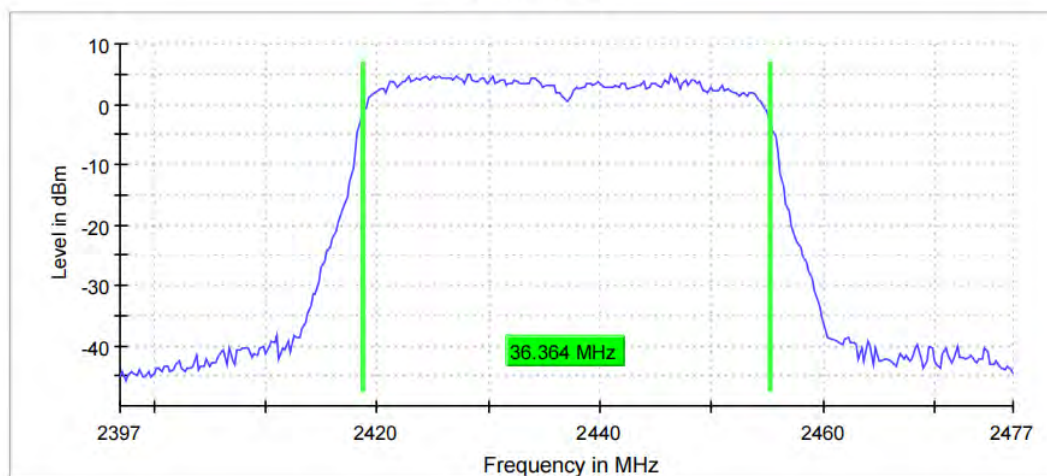
11N40_Ant10_2422

99 % Bandwidth



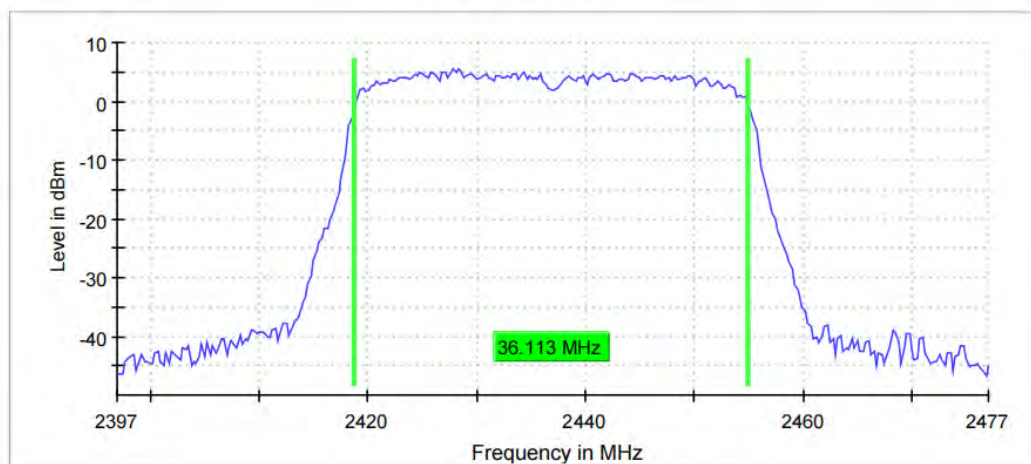
11N40_Ant9_2437

99 % Bandwidth



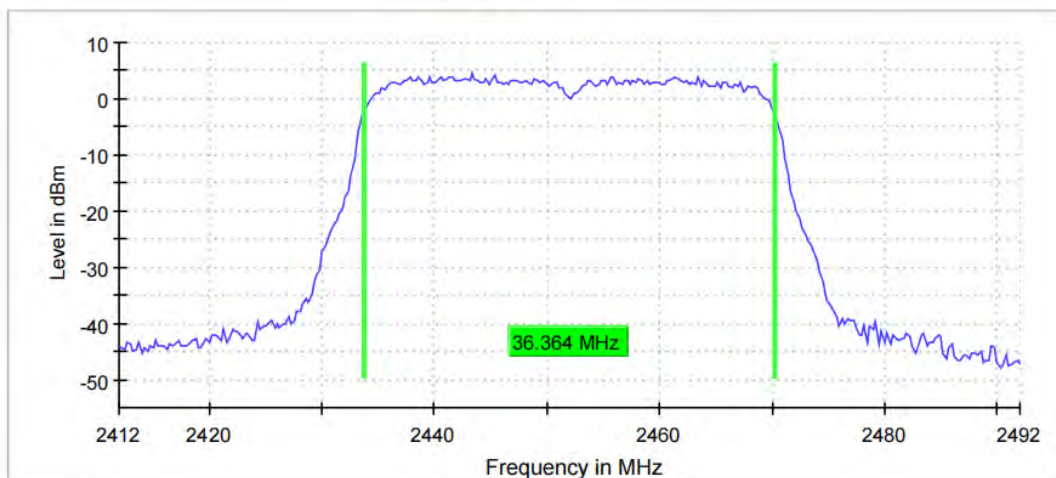
11N40_Ant10_2437

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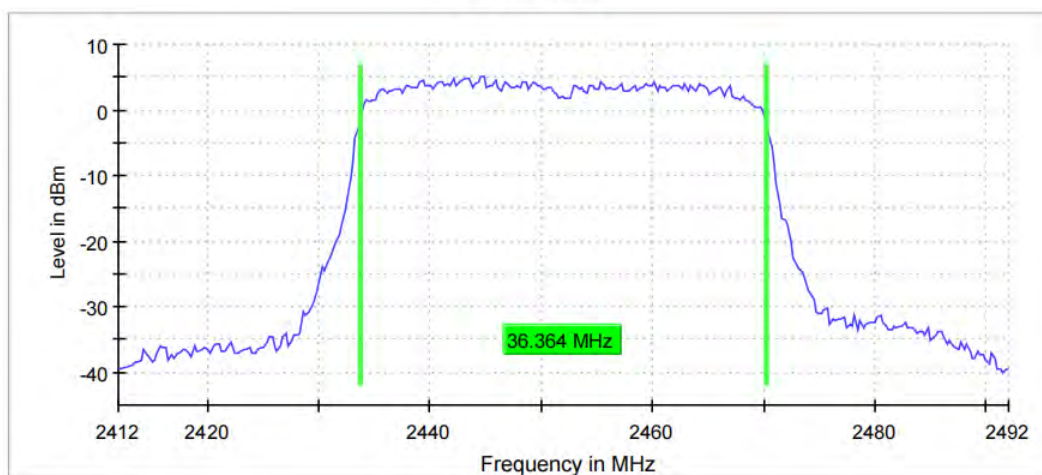
11N40_Ant9_2452

99 % Bandwidth



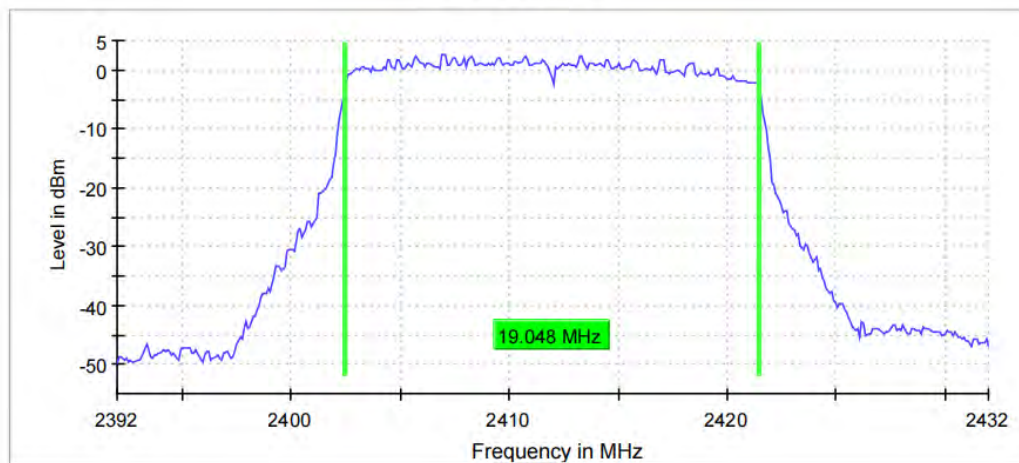
11N40_Ant10_2452

99 % Bandwidth



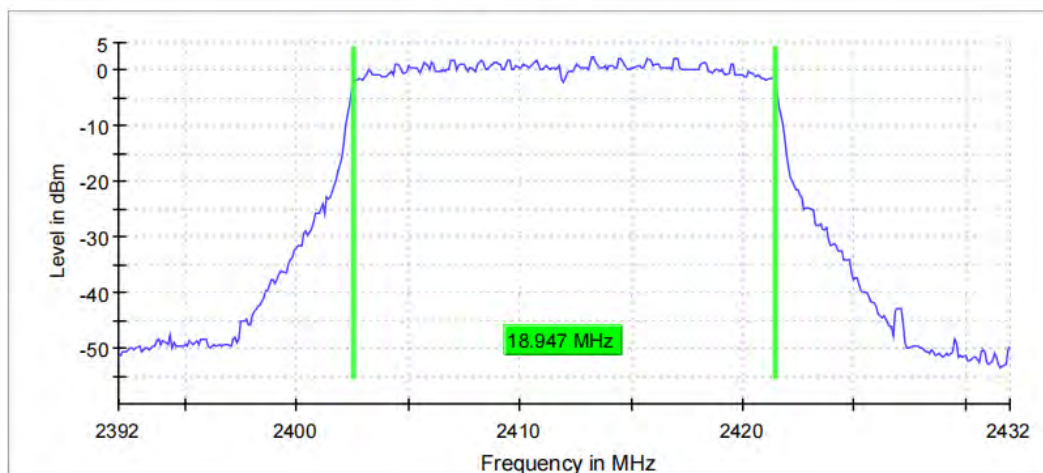
11AX20_Ant9_2412

99 % Bandwidth



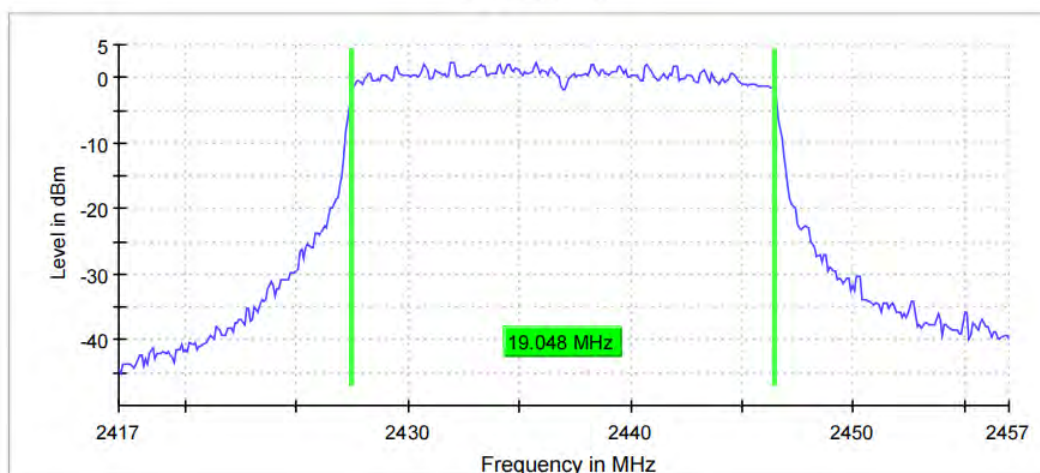
11AX20_Ant10_2412

99 % Bandwidth



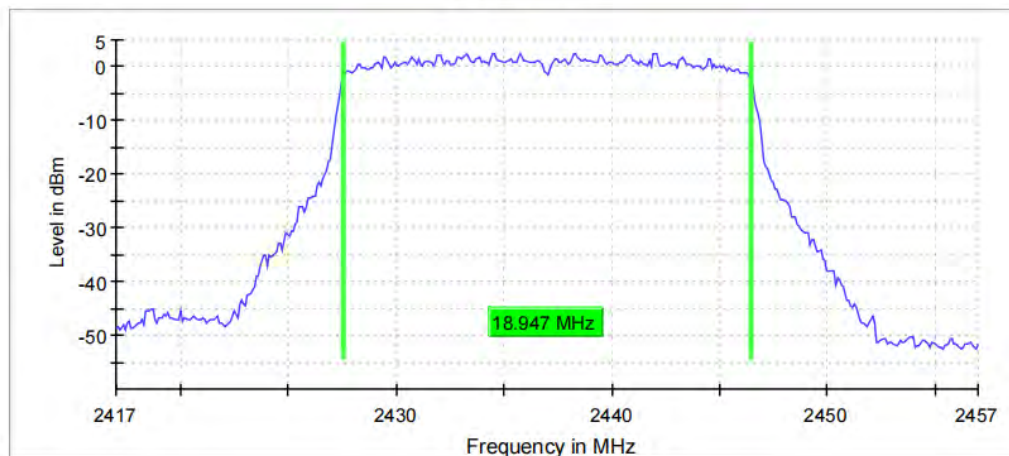
11AX20_Ant9_2437

99 % Bandwidth



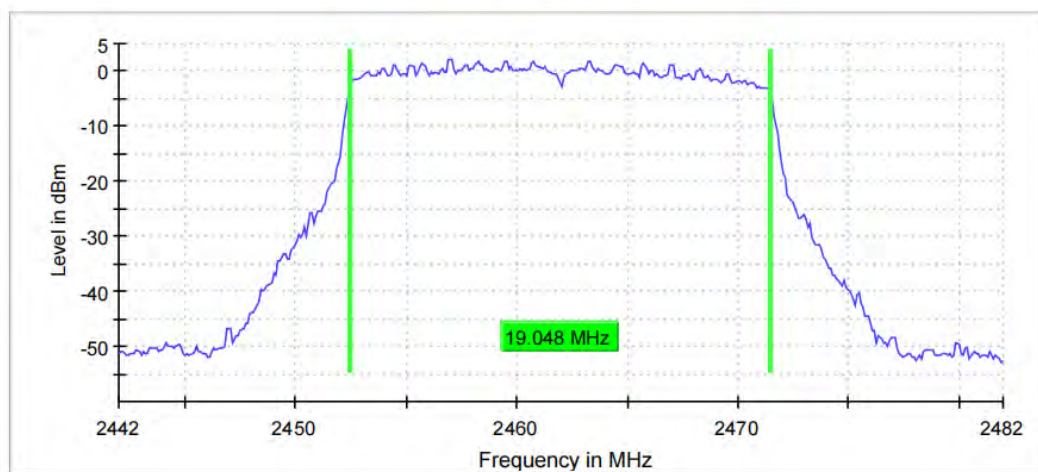
11AX20_Ant10_2437

99 % Bandwidth



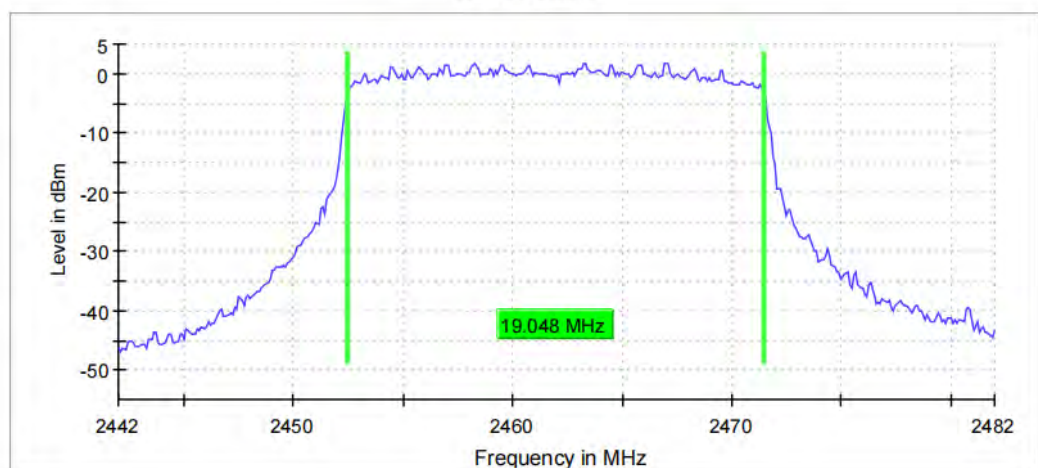
11AX20_Ant9_2462

99 % Bandwidth



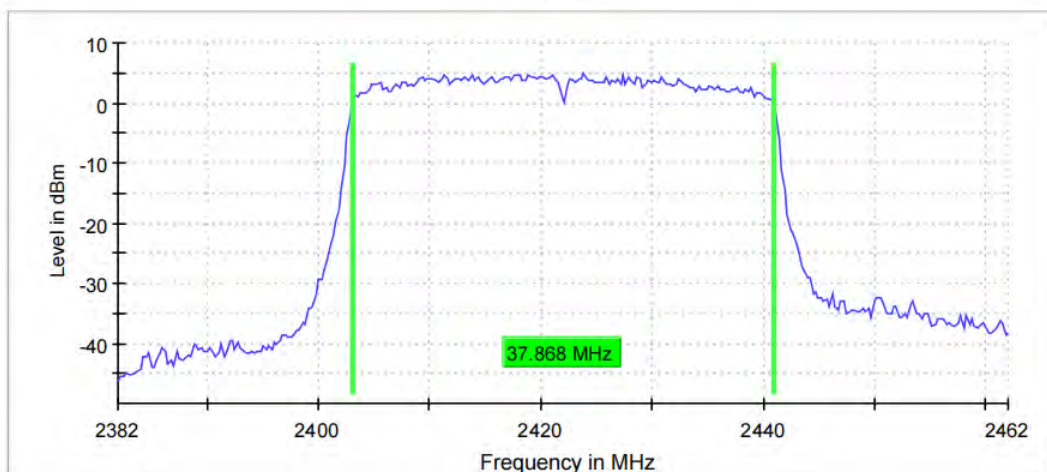
11AX20_Ant10_2462

99 % Bandwidth



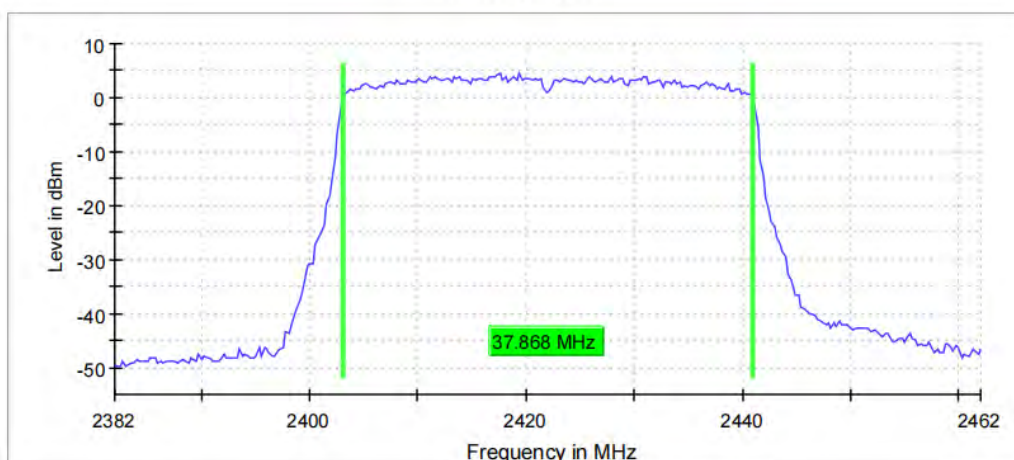
11AX40_Ant9_2422

99 % Bandwidth



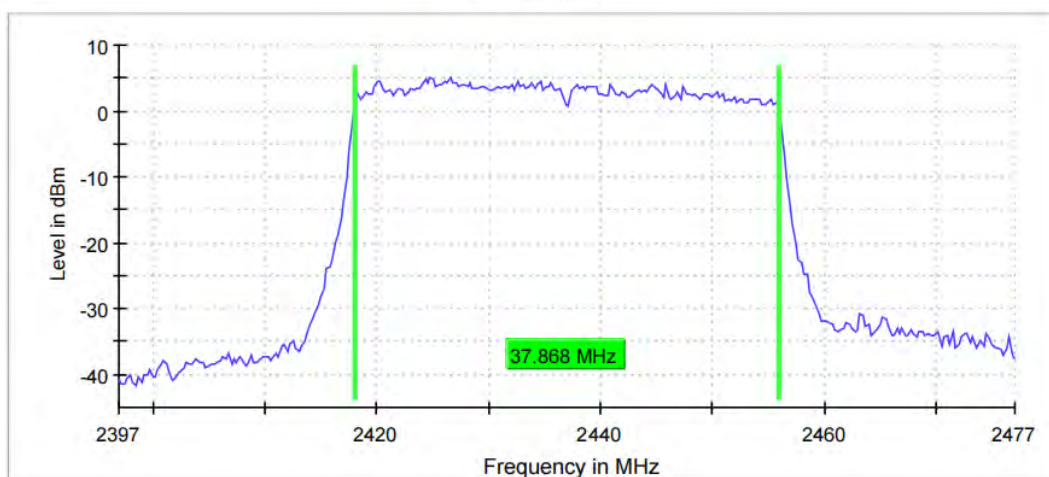
11AX40_Ant10_2422

99 % Bandwidth



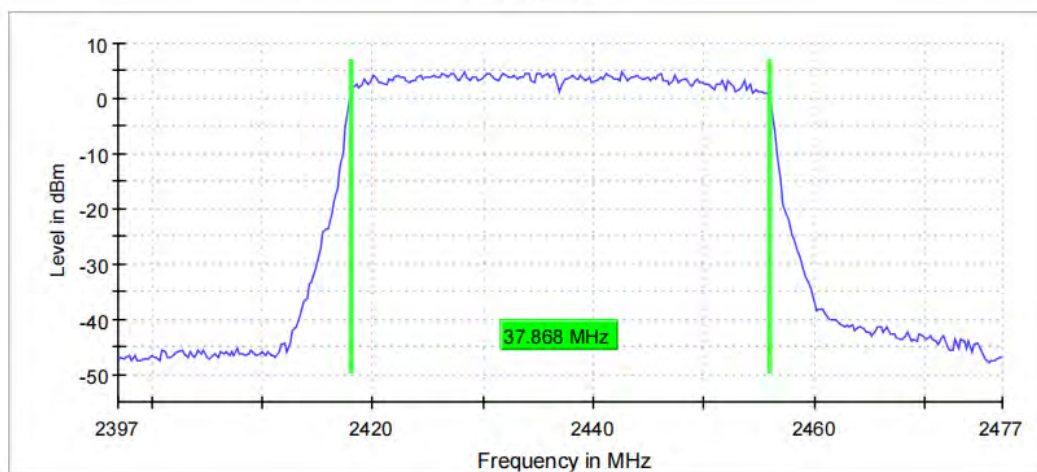
11AX40_Ant9_2437

99 % Bandwidth



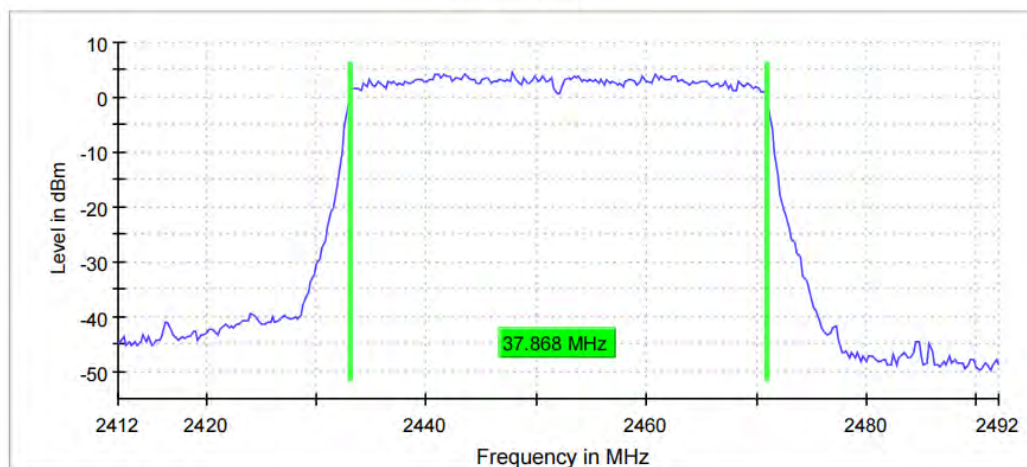
11AX40_Ant10_2437

99 % Bandwidth



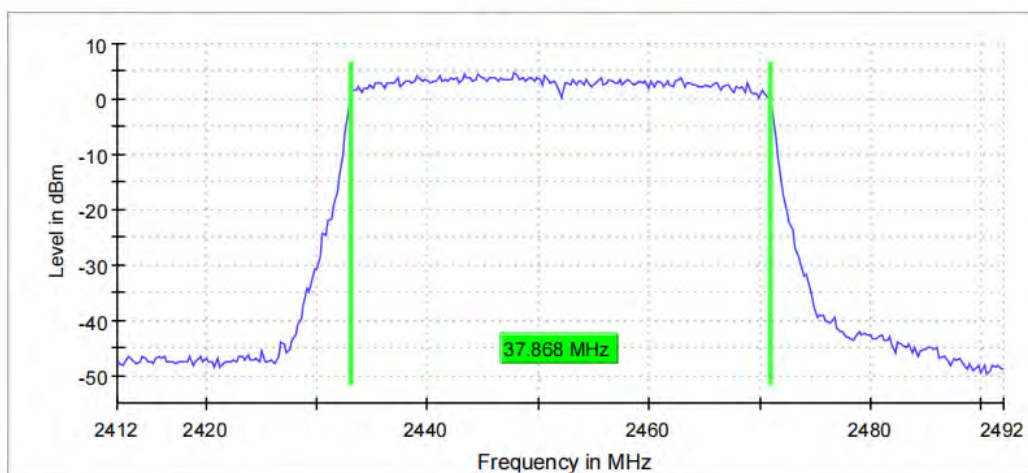
11AX40_Ant9_2452

99 % Bandwidth



11AX40_Ant10_2452

99 % Bandwidth



20M

RBW 200.000 kHz

VBW 1.000 MHz

40M

RBW 500.000 kHz

VBW 2.000 MHz

MAXIMUM CONDUCTED OUTPUT POWER TEST RESULT PEAK

TestMode	TX Mod.	Frequency [MHz]	Peak power [dBm]			MAX Peak power [mw]	Limit [dBm]	Verdict	Power Setting
			Ant9	Ant10	Total				
11B	CDD	2437	17.11	16.65	19.89	97.58	≤30.00	PASS	14
		2437	17.10	17.30	20.21	105.03	≤30.00	PASS	14
		2437	16.67	16.16	19.43	87.69	≤30.00	PASS	14
11g	CDD	2437	19.74	19.25	22.51	178.30	≤30.00	PASS	13
		2437	19.80	19.85	22.84	192.10	≤30.00	PASS	13
		2437	19.38	18.77	22.10	162.02	≤30.00	PASS	13
11N20	MIMO	2437	20.17	19.72	22.96	197.87	≤30.00	PASS	13
		2437	20.20	20.32	23.27	212.26	≤30.00	PASS	13
		2437	19.59	19.18	22.40	173.73	≤30.00	PASS	13
11N40	MIMO	2422	20.52	19.81	23.19	208.45	≤30.00	PASS	12.5
		2437	20.37	20.44	23.41	219.40	≤30.00	PASS	12.5
		2452	20.21	19.92	23.08	203.20	≤30.00	PASS	12.5
11AX20	MIMO	2437	19.46	19.38	22.43	175.04	≤30.00	PASS	12
		2437	19.18	19.41	22.31	170.13	≤30.00	PASS	12
		2437	19.55	18.43	22.03	159.65	≤30.00	PASS	12
11AX40	MIMO	2422	18.94	18.28	21.63	145.66	≤30.00	PASS	11.5
		2437	18.72	18.83	21.79	150.86	≤30.00	PASS	11.5
		2452	18.34	18.26	21.31	135.14	≤30.00	PASS	11.5

TEST RESULT AVERAGE

TestMode	TX Mod.	Freq. [MHz]	Avg.power [dBm]			Power Setting
			Ant9	Ant10	Total	
11B	CDD	2437	13.23	12.82	16.51	14
		2437	13.10	13.43	16.75	14
		2437	12.65	12.30	15.96	14
11g	CDD	2437	10.94	10.52	14.25	13
		2437	11.04	11.17	14.63	13
		2437	10.52	10.08	13.83	13
11N20	MIMO	2437	11.21	10.81	14.51	13
		2437	11.34	11.41	14.87	13
		2437	10.71	10.39	14.05	13
11N40	MIMO	2422	11.18	10.45	14.53	12.5
		2437	10.94	11.14	14.74	12.5
		2452	11.02	10.62	14.52	12.5
11AX20	MIMO	2437	9.91	9.35	13.19	12
		2437	9.70	9.98	13.39	12
		2437	9.42	9.08	12.80	12
11AX40	MIMO	2422	9.44	9.22	12.93	11.5
		2437	9.46	9.75	13.21	11.5
		2452	9.37	9.25	12.91	11.5

MAXIMUM POWER SPECTRAL DENSITY TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B-MIMO	Ant9	2412	-9.04	≤8.00	PASS
	Ant10	2412	-9.21	≤8.00	PASS
	total	2412	-6.11	≤8.00	PASS
	Ant9	2437	-8.97	≤8.00	PASS
	Ant10	2437	-11.00	≤8.00	PASS
	total	2437	-6.86	≤8.00	PASS
	Ant9	2462	-10.20	≤8.00	PASS
	Ant10	2462	-11.00	≤8.00	PASS
	total	2462	-7.57	≤8.00	PASS
11G-MIMO	Ant9	2412	-13.27	≤8.00	PASS
	Ant10	2412	-13.82	≤8.00	PASS
	total	2412	-10.53	≤8.00	PASS
	Ant9	2437	-13.12	≤8.00	PASS
	Ant10	2437	-13.33	≤8.00	PASS
	total	2437	-10.21	≤8.00	PASS
	Ant9	2462	-13.29	≤8.00	PASS
	Ant10	2462	-13.78	≤8.00	PASS
	total	2462	-10.52	≤8.00	PASS
11N20-MIMO	Ant9	2412	-11.63	≤8.00	PASS
	Ant10	2412	-14.19	≤8.00	PASS
	total	2412	-9.71	≤8.00	PASS
	Ant9	2437	-11.63	≤8.00	PASS
	Ant10	2437	-13.81	≤8.00	PASS
	total	2437	-9.57	≤8.00	PASS
	Ant9	2462	-15.38	≤8.00	PASS
	Ant10	2462	-15.13	≤8.00	PASS
	total	2462	-12.24	≤8.00	PASS
11N40-MIMO	Ant9	2422	-16.01	≤8.00	PASS
	Ant10	2422	-17.02	≤8.00	PASS
	total	2422	-13.48	≤8.00	PASS
	Ant9	2437	-15.74	≤8.00	PASS
	Ant10	2437	-16.36	≤8.00	PASS
	total	2437	-13.03	≤8.00	PASS
	Ant9	2452	-14.88	≤8.00	PASS
	Ant10	2452	-16.41	≤8.00	PASS
	total	2452	-12.57	≤8.00	PASS
11AX20-MIMO	Ant9	2412	-14.49	≤8.00	PASS
	Ant10	2412	-15.94	≤8.00	PASS
	total	2412	-12.14	≤8.00	PASS
	Ant9	2437	-15.21	≤8.00	PASS
	Ant10	2437	-15.93	≤8.00	PASS
	total	2437	-12.54	≤8.00	PASS

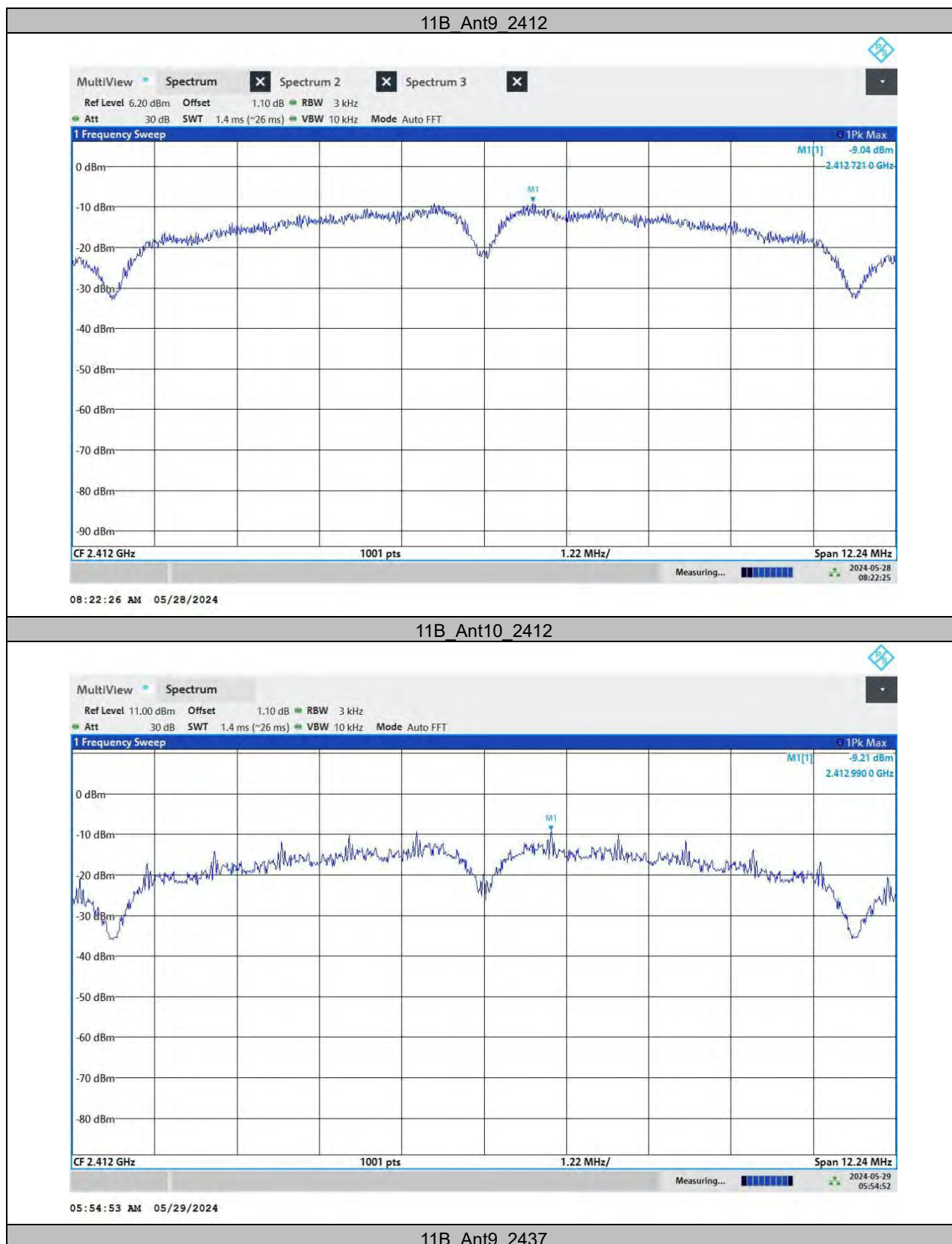


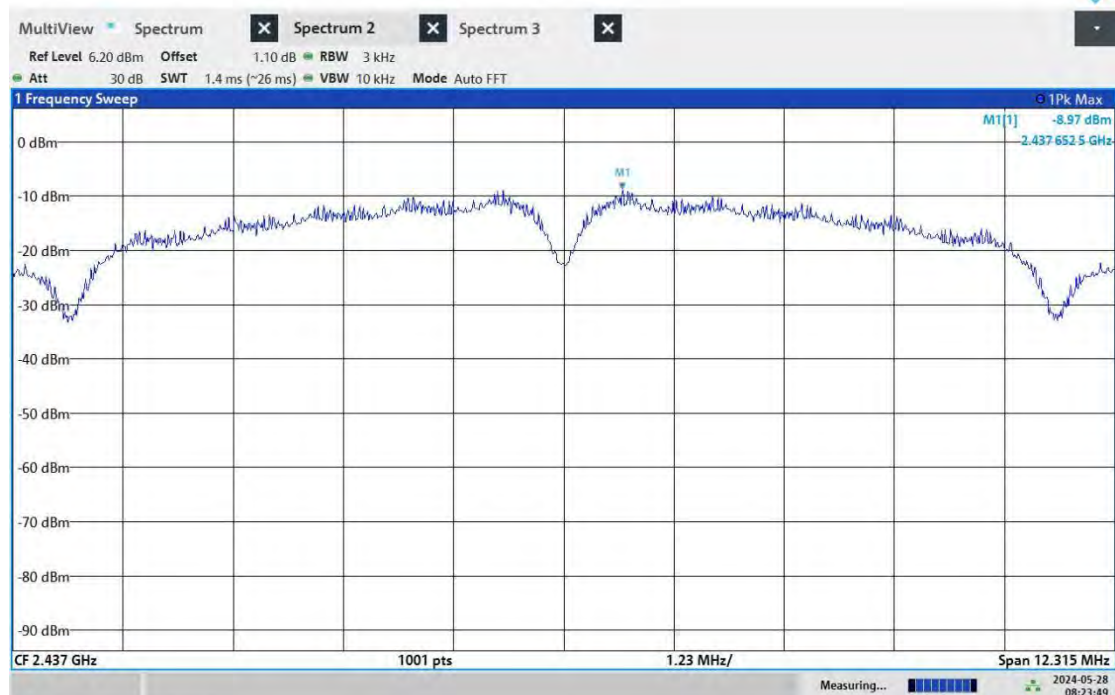
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Reference No.: PSU-NQN2403180115RF02

	Ant9	2462	-16.07	≤8.00	PASS
	Ant10	2462	-16.46	≤8.00	PASS
	total	2462	-13.25	≤8.00	PASS
11AX40-MIMO	Ant9	2422	-18.23	≤8.00	PASS
	Ant10	2422	-19.32	≤8.00	PASS
	total	2422	-15.73	≤8.00	PASS
	Ant9	2437	-18.32	≤8.00	PASS
	Ant10	2437	-17.68	≤8.00	PASS
	total	2437	-14.98	≤8.00	PASS
	Ant9	2452	-17.95	≤8.00	PASS
	Ant10	2452	-18.56	≤8.00	PASS
	total	2452	-15.23	≤8.00	PASS

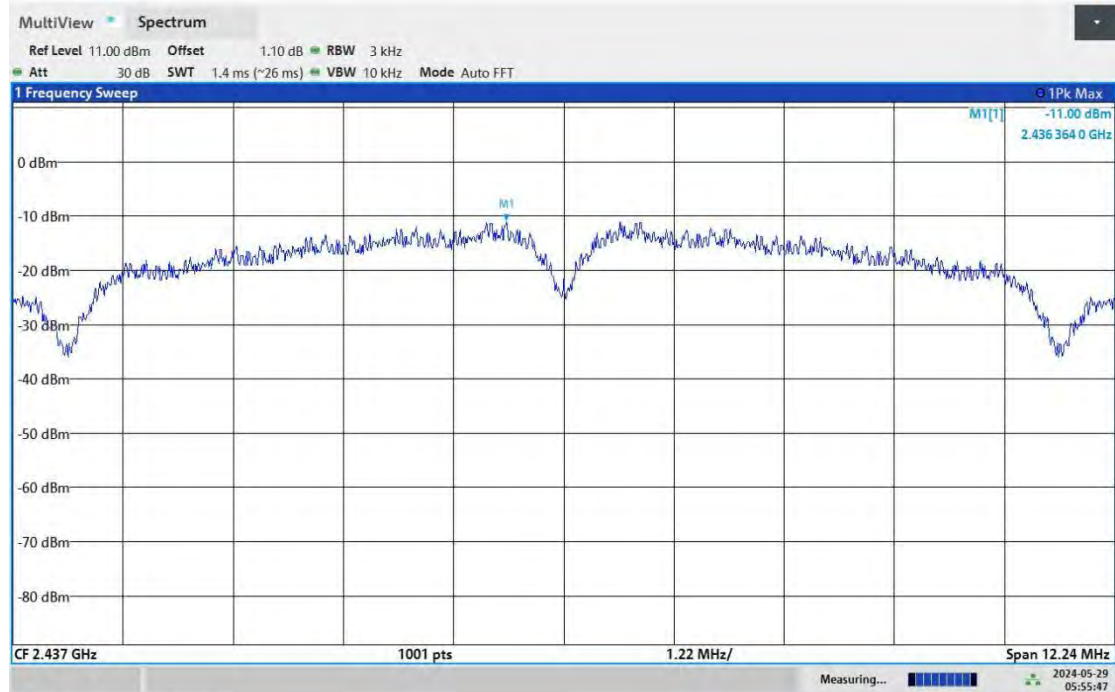
TEST GRAPHS





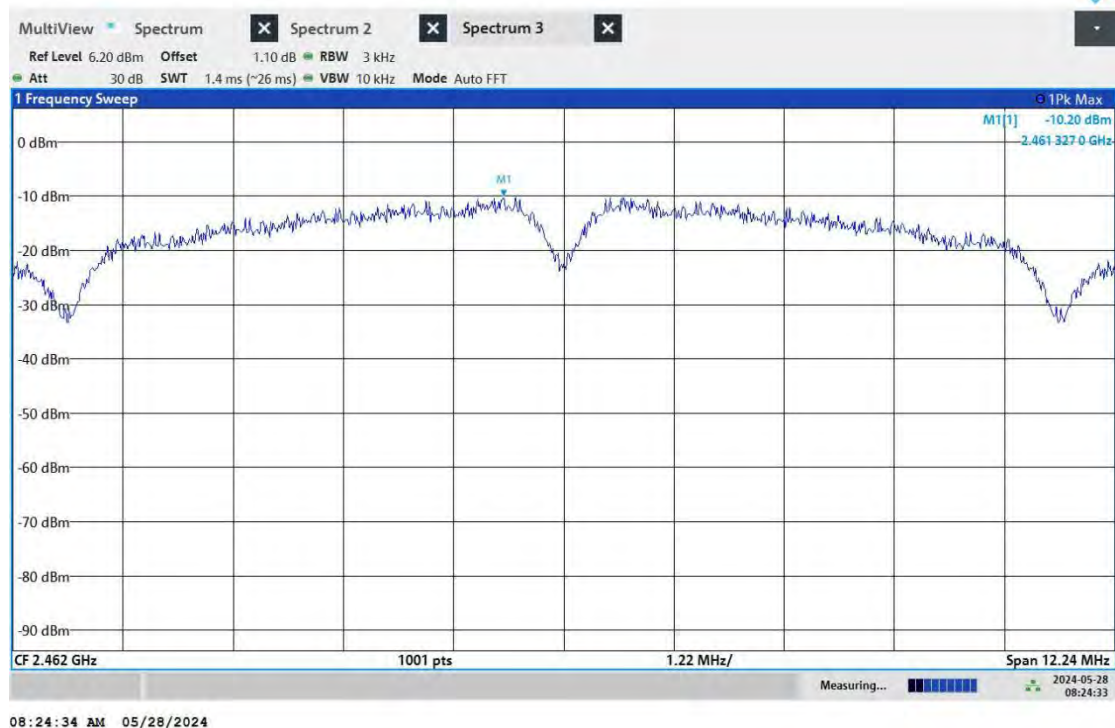
08:23:50 AM 05/28/2024

11B_Ant10_2437

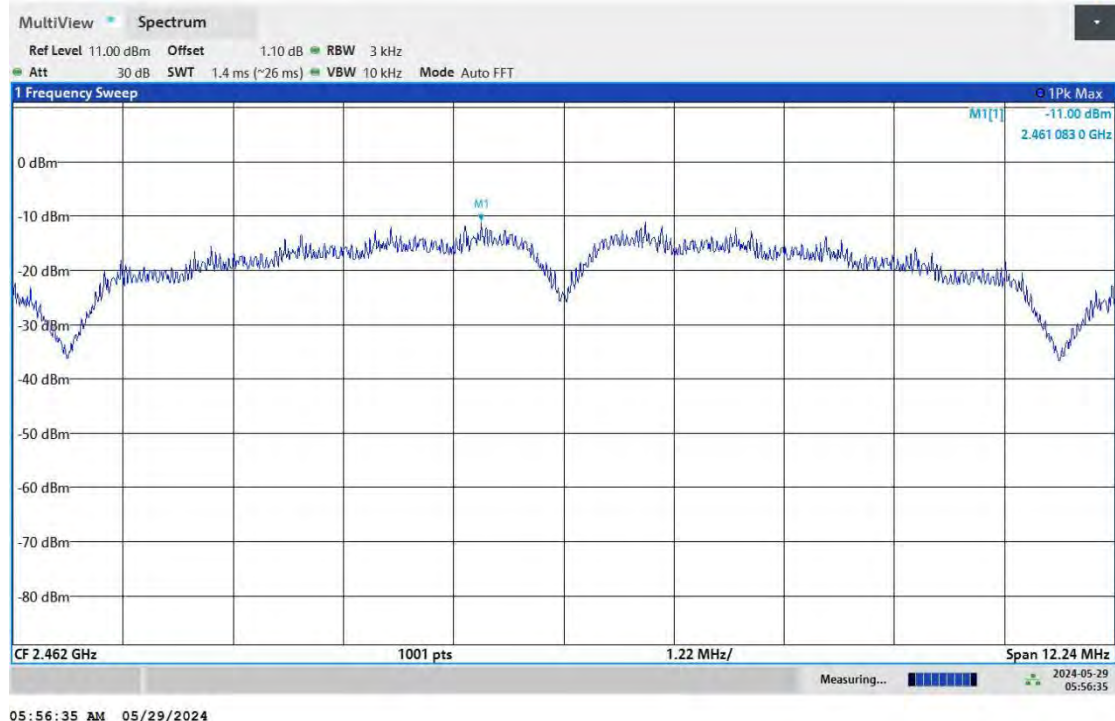


05:55:48 AM 05/29/2024

11B_Ant9_2462



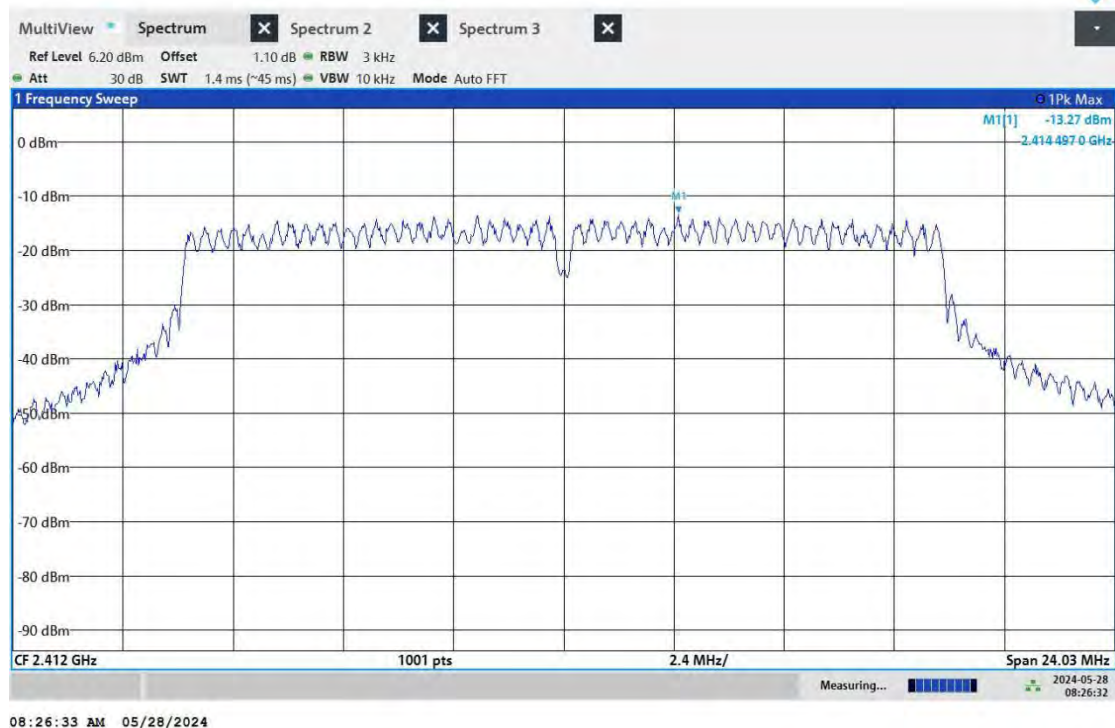
11B_Ant10_2462



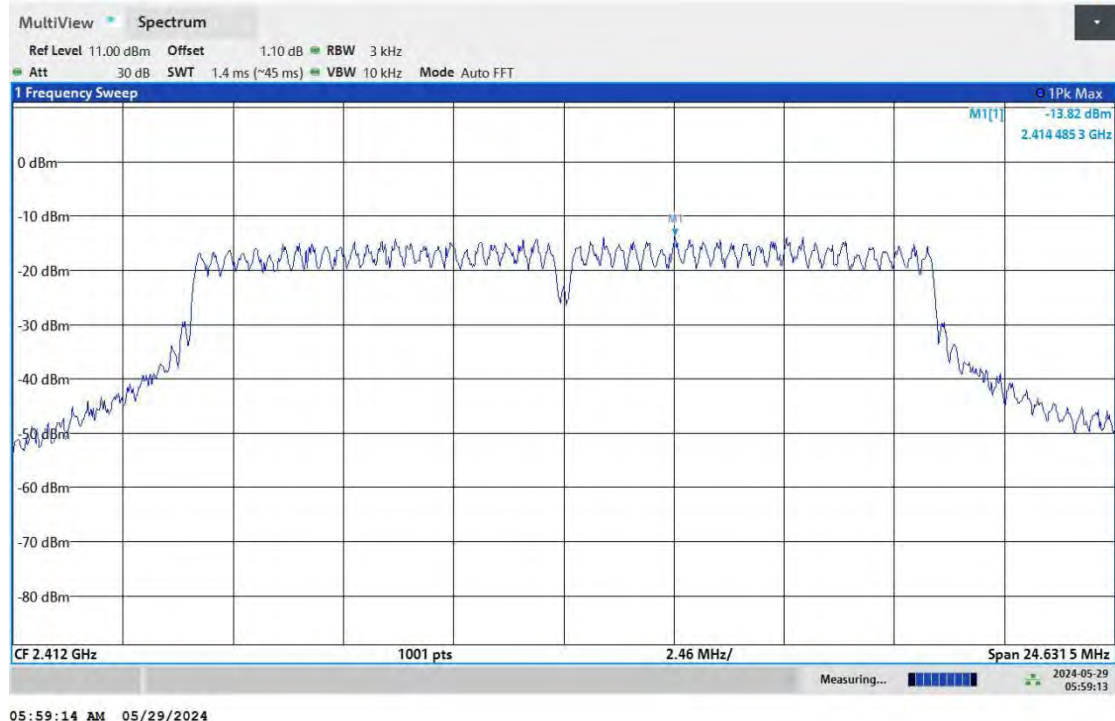
11G_Ant9_2412



Reference No.: PSU-NQN2403180115RF02



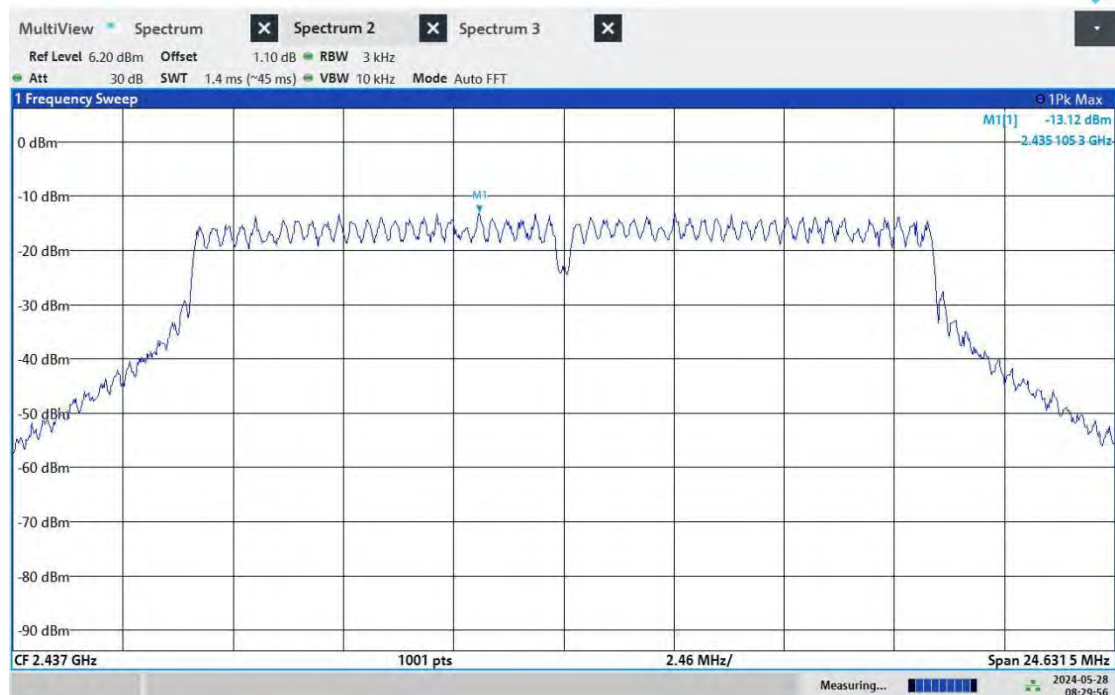
11G_Ant10_2412



11G_Ant9_2437

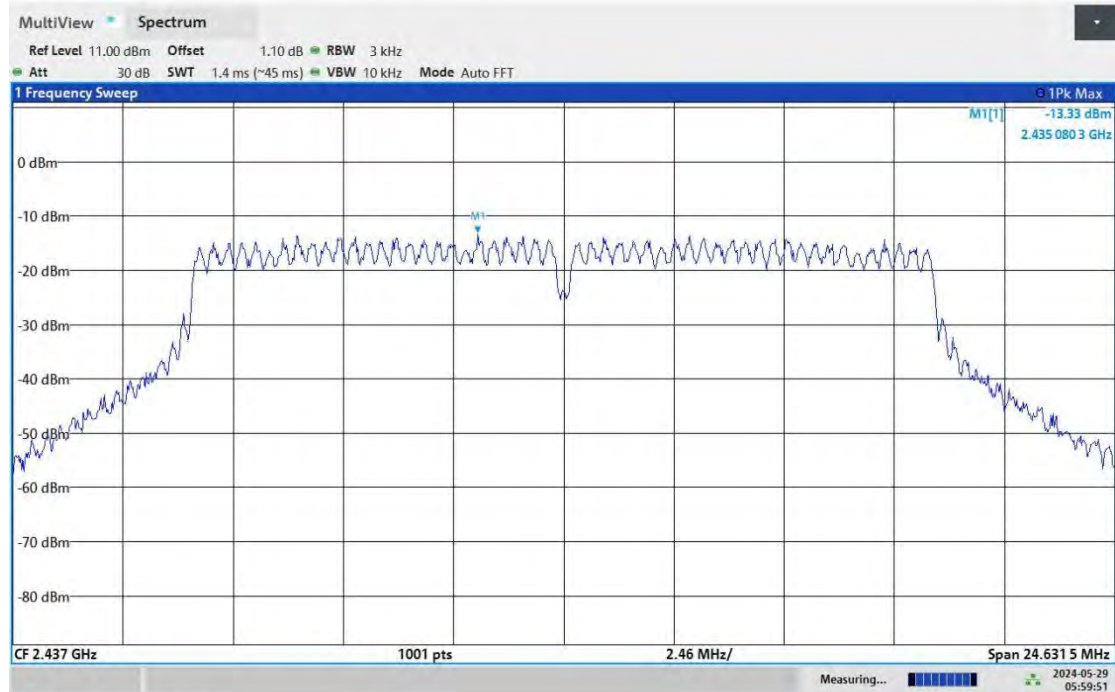


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08:29:57 AM 05/28/2024

11G_Ant10_2437



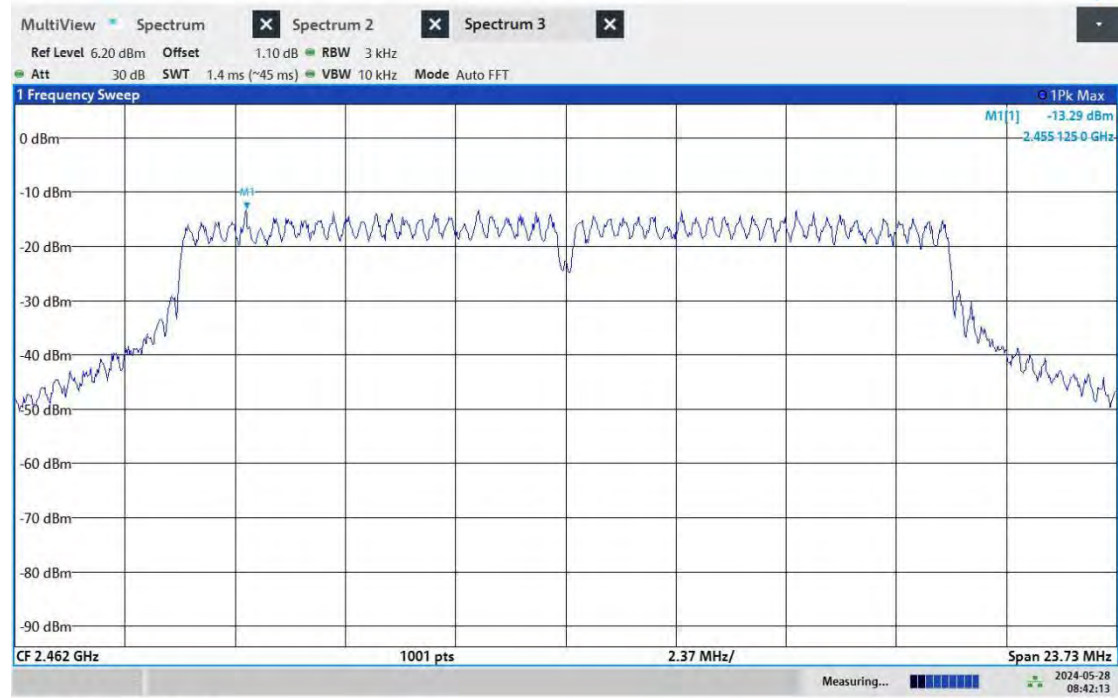
05:59:51 AM 05/29/2024

11G_Ant9_2462

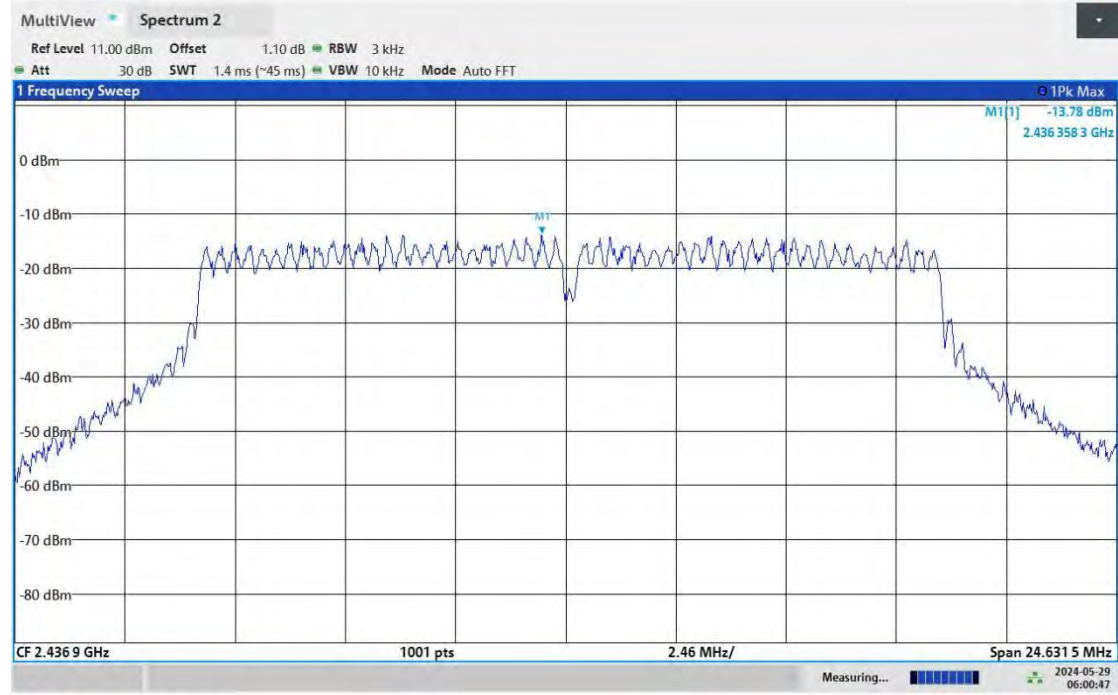


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VERITAS

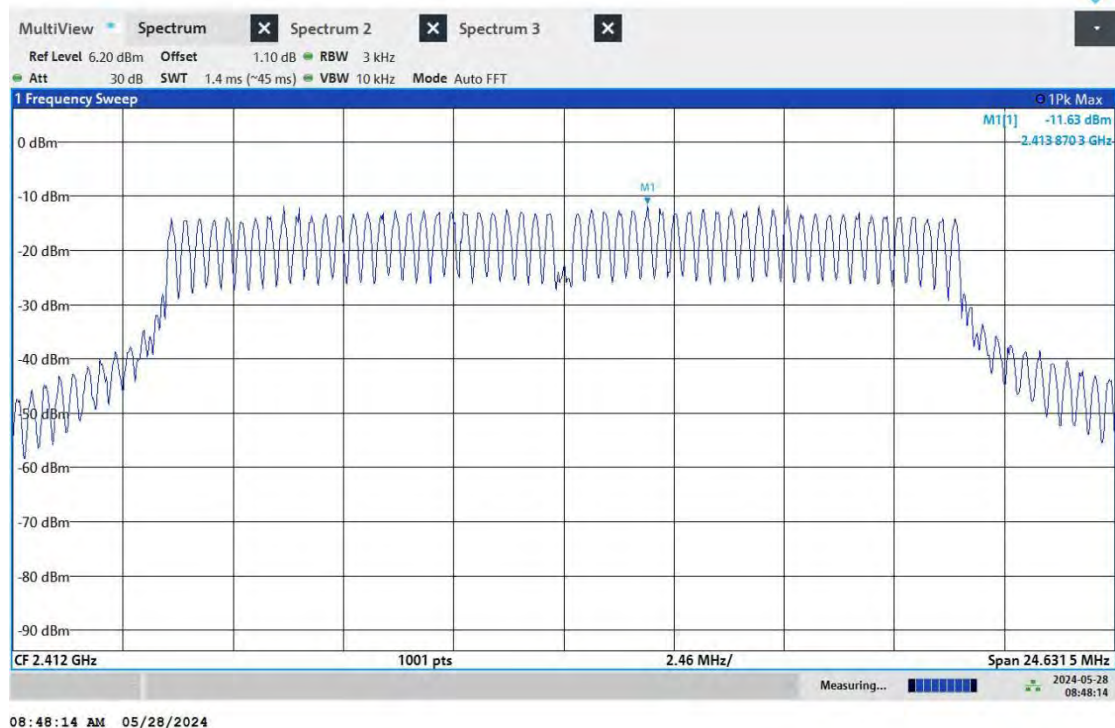
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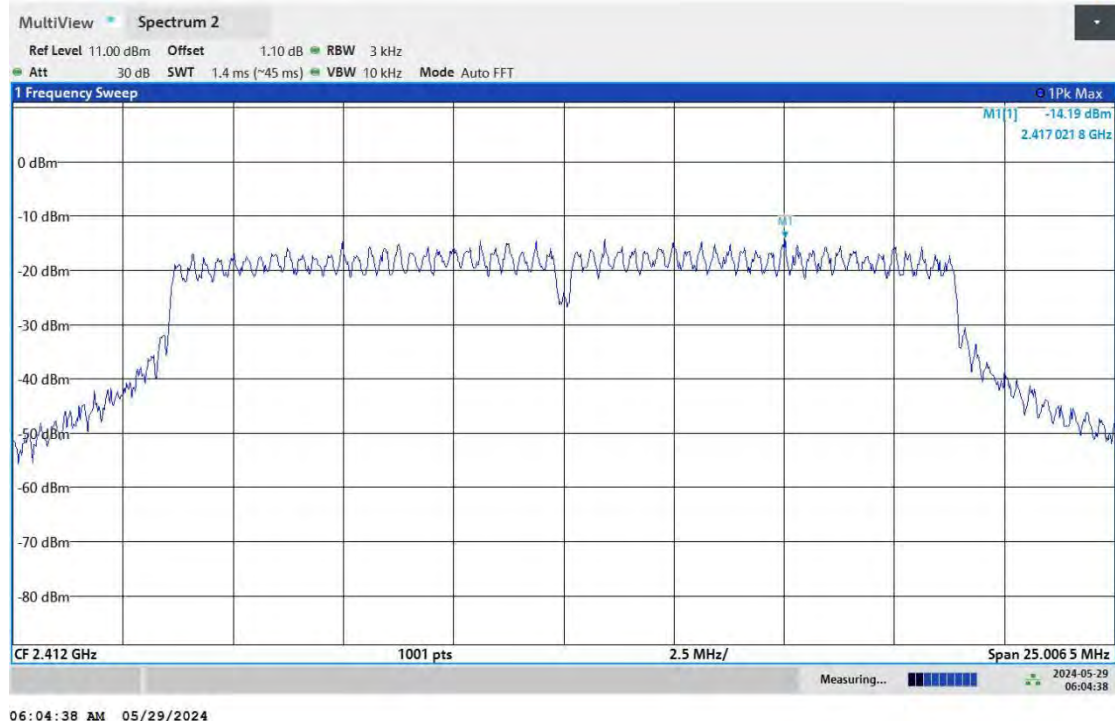
11G_Ant10_2462



11N20_Ant9_2412



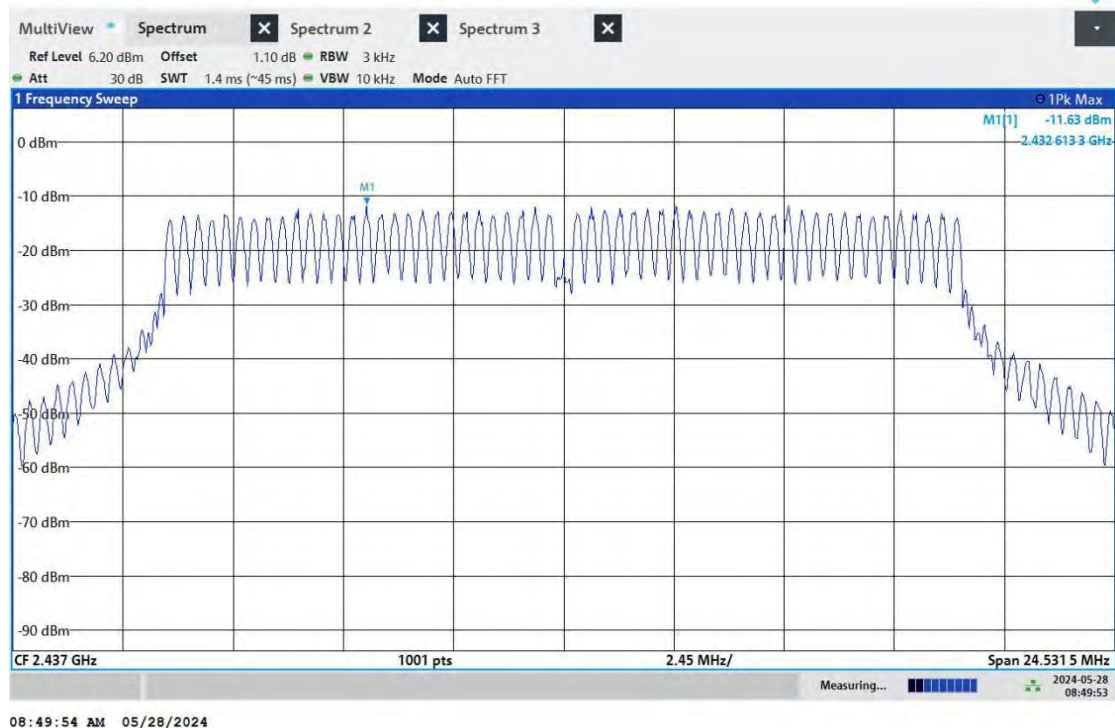
11N20_Ant10_2412



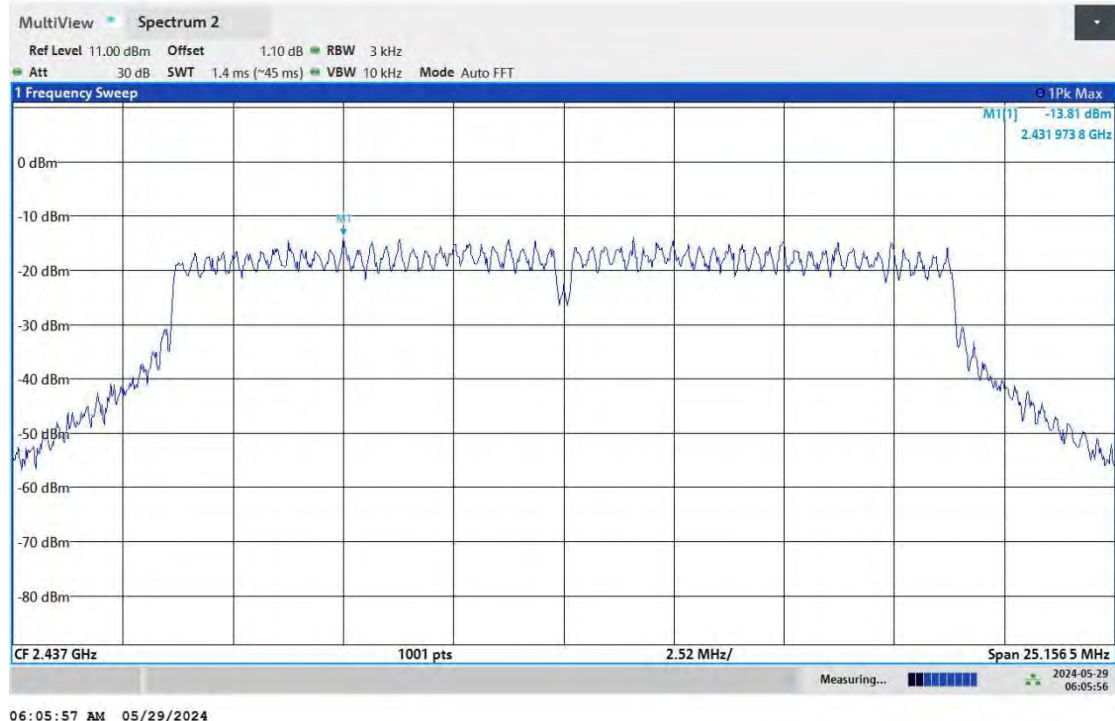
11N20_Ant9_2437



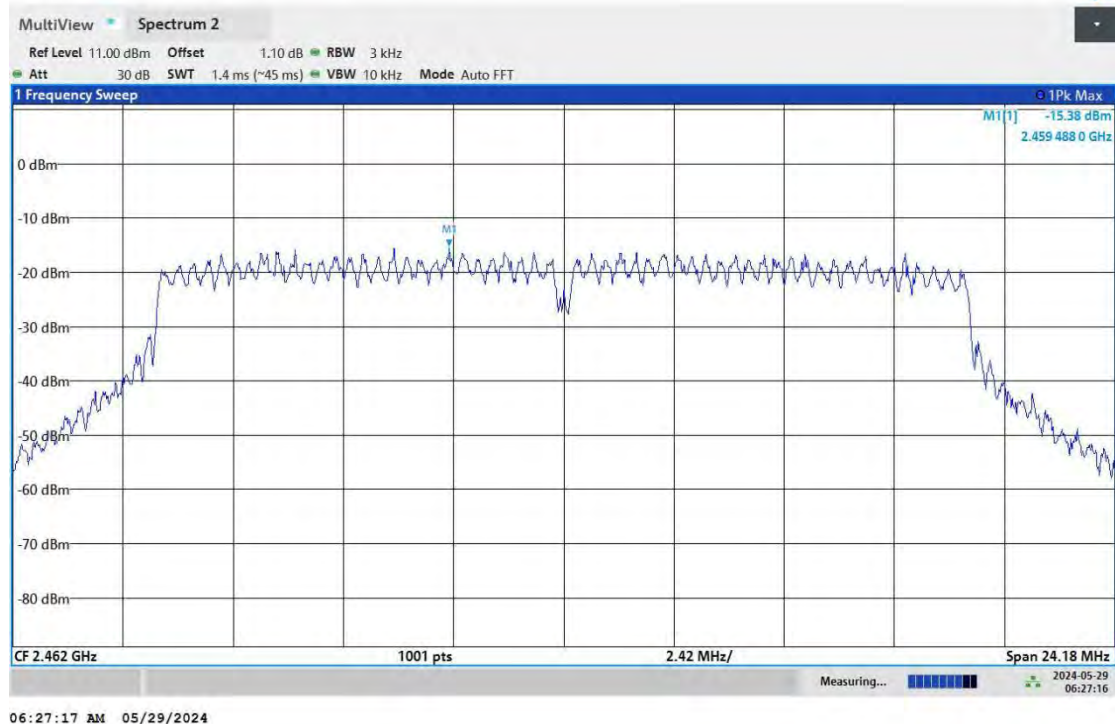
Reference No.: PSU-NQN2403180115RF02



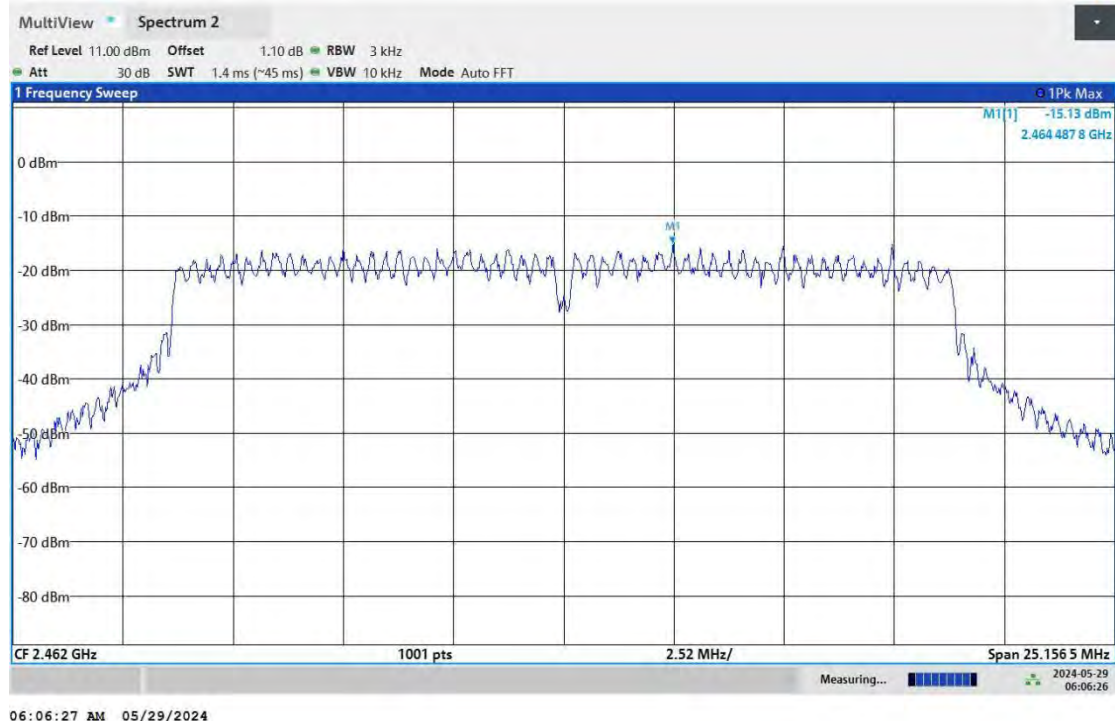
11N20_Ant10_2437



11N20_Ant9_2462



11N20_Ant10_2462

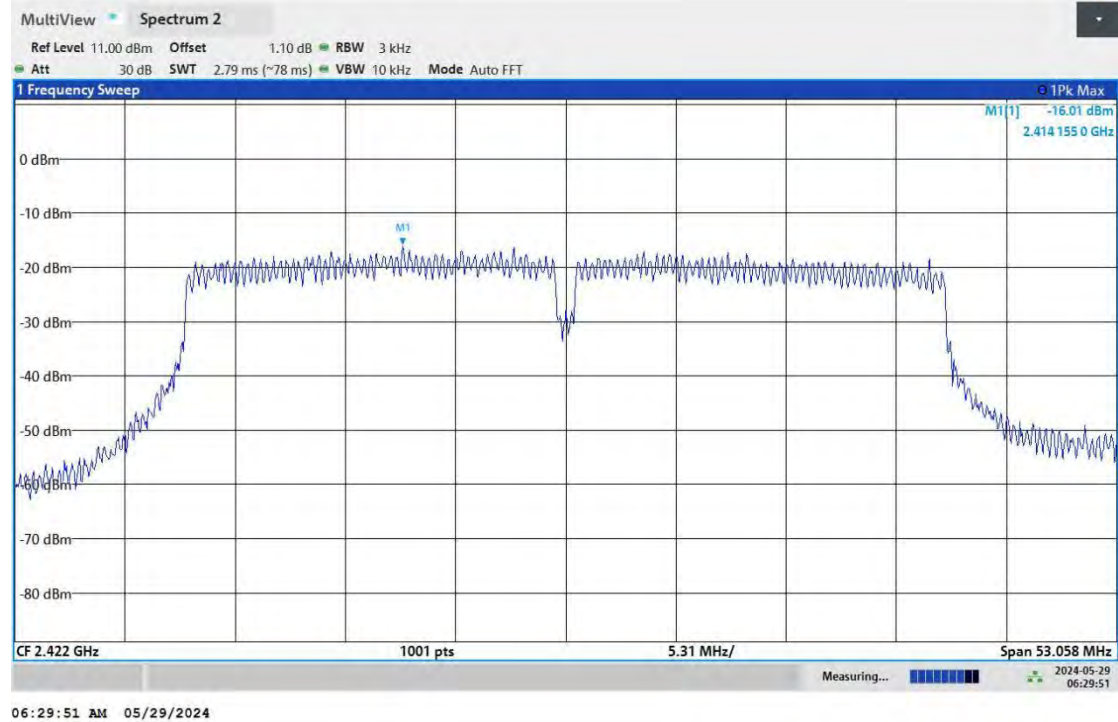


11N40_Ant9_2422

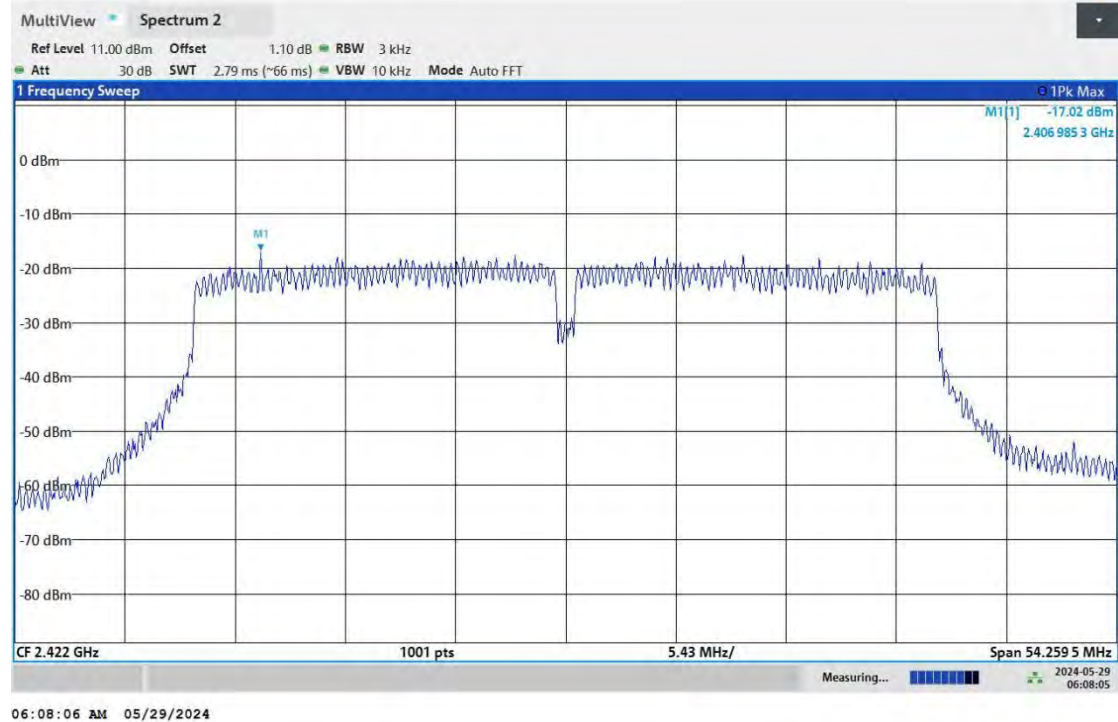


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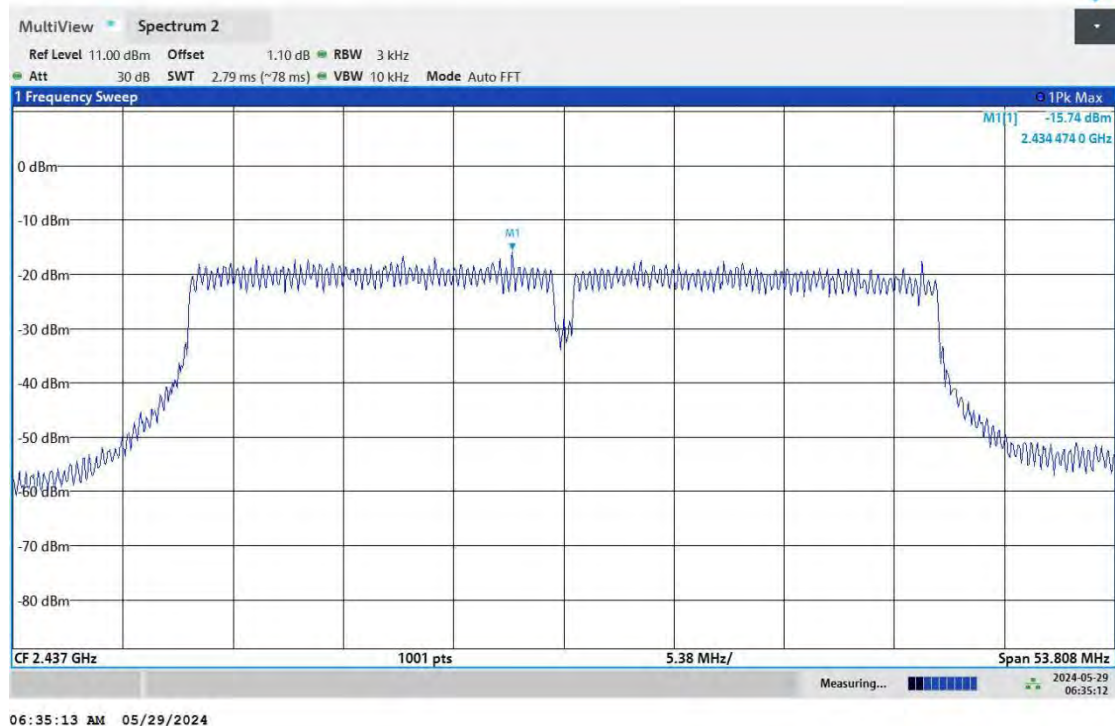
Reference No.: PSU-NQN2403180115RF02



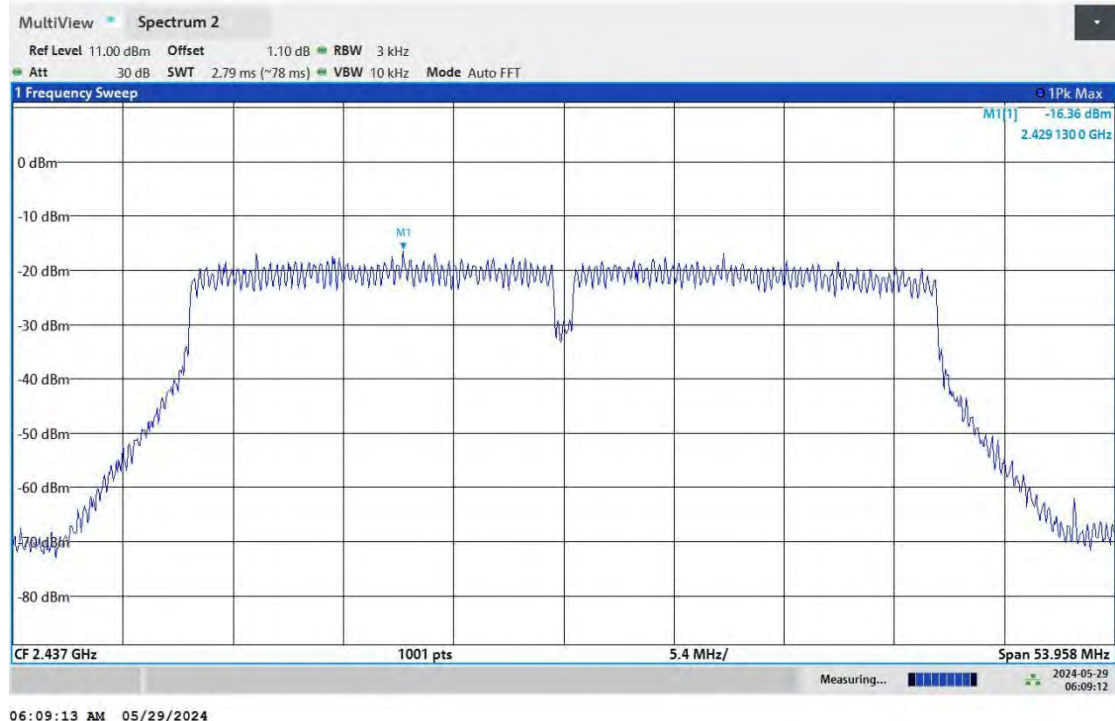
11N40_Ant10_2422



11N40_Ant9_2437



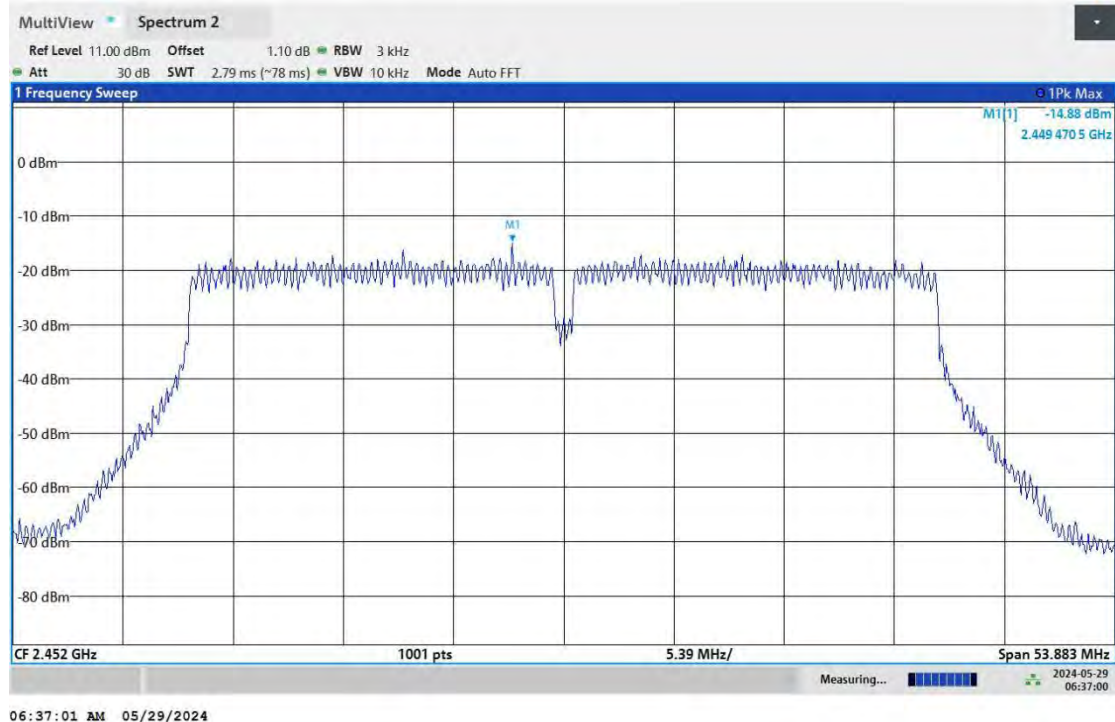
11N40_Ant10_2437



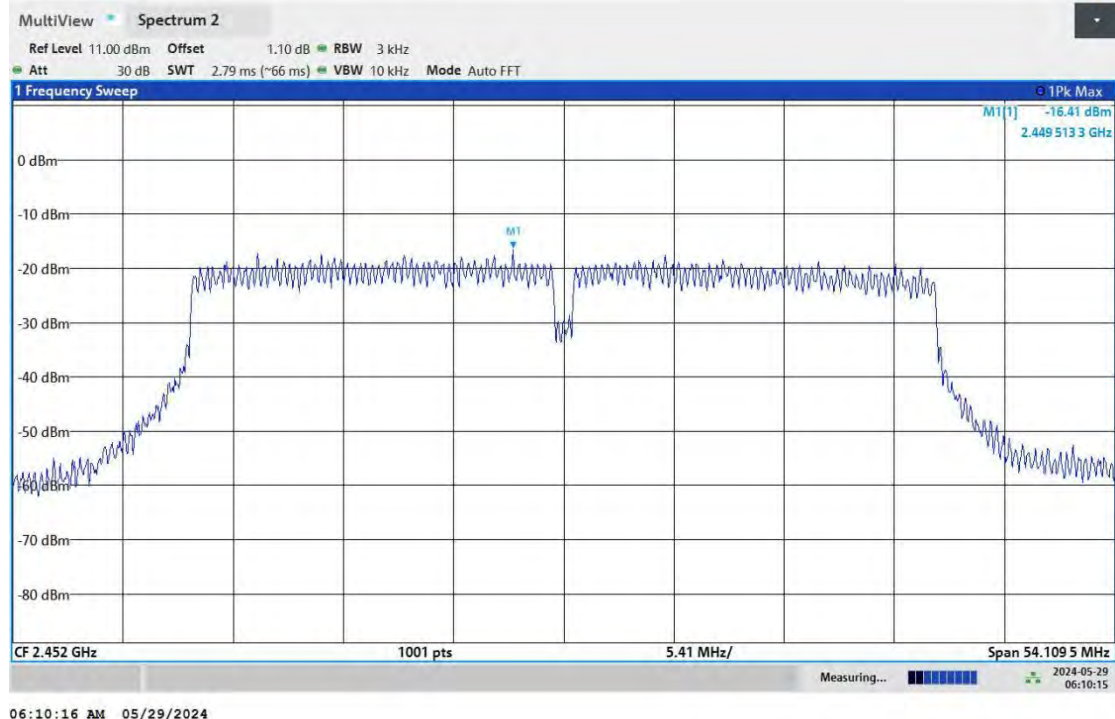
11N40_Ant9_2452



Reference No.: PSU-NQN2403180115RF02



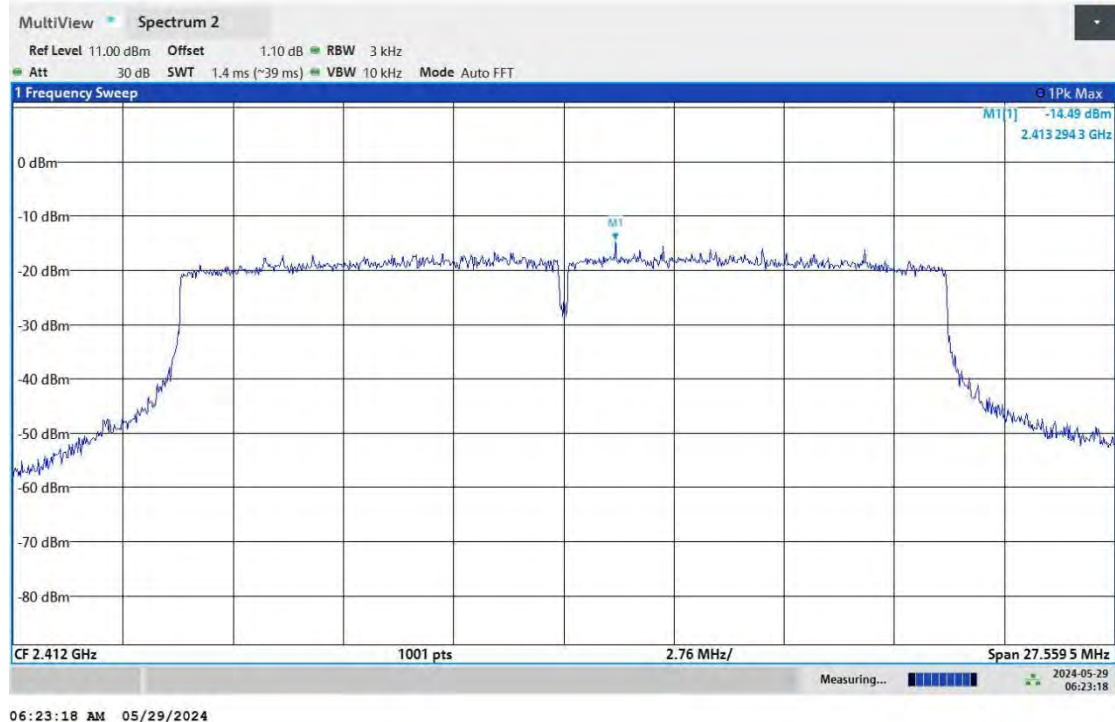
11N40_Ant10_2452



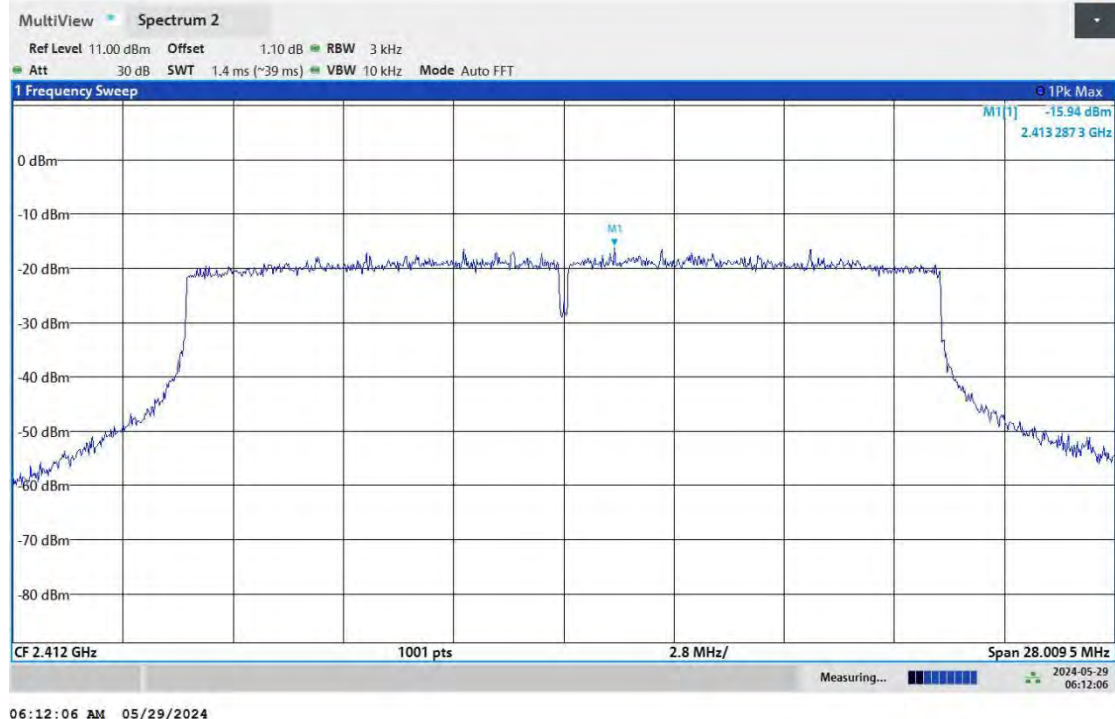
11AX20_Ant9_2412



Reference No.: PSU-NQN2403180115RF02



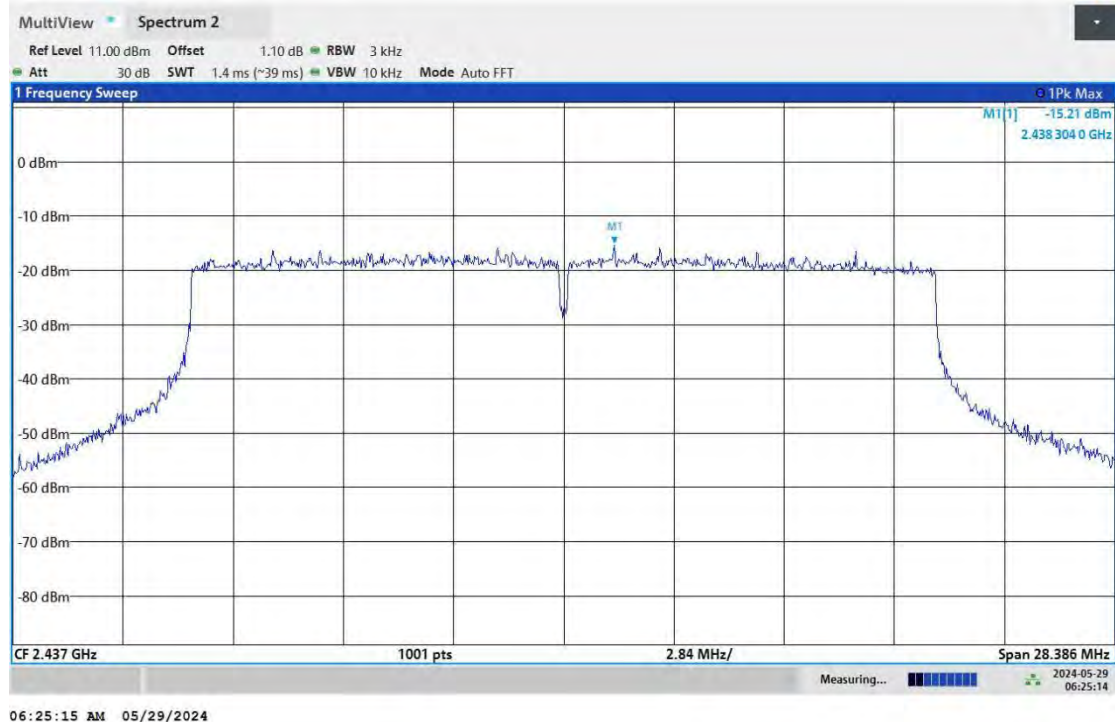
11AX20_Ant10_2412



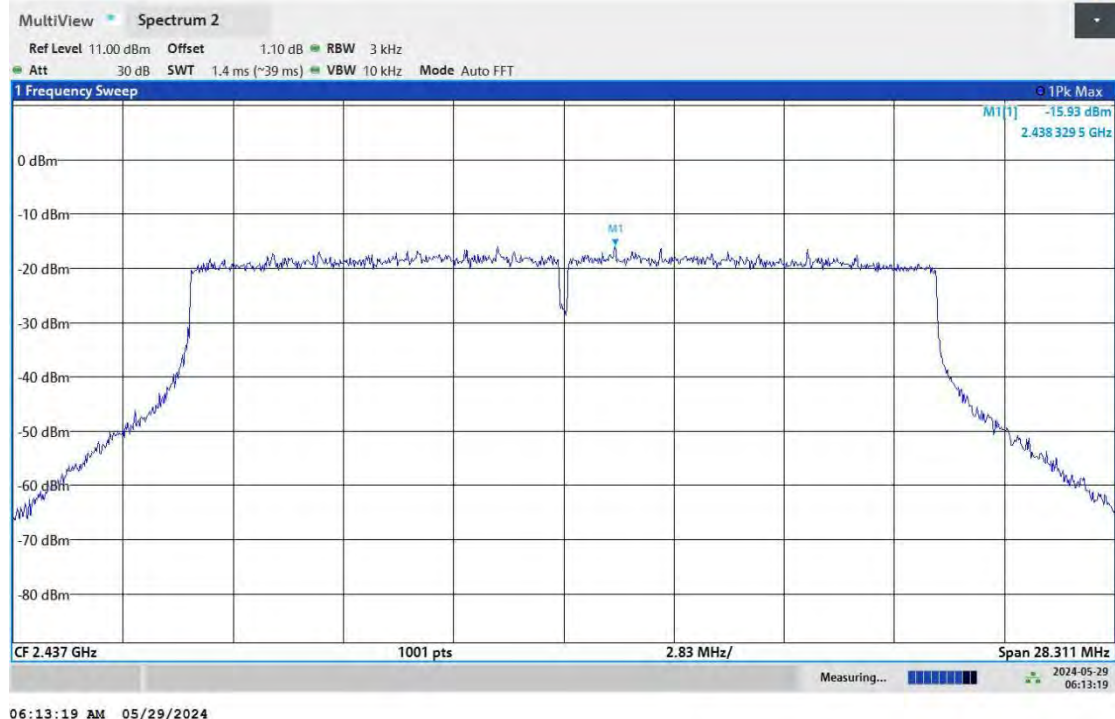
11AX20_Ant9_2437



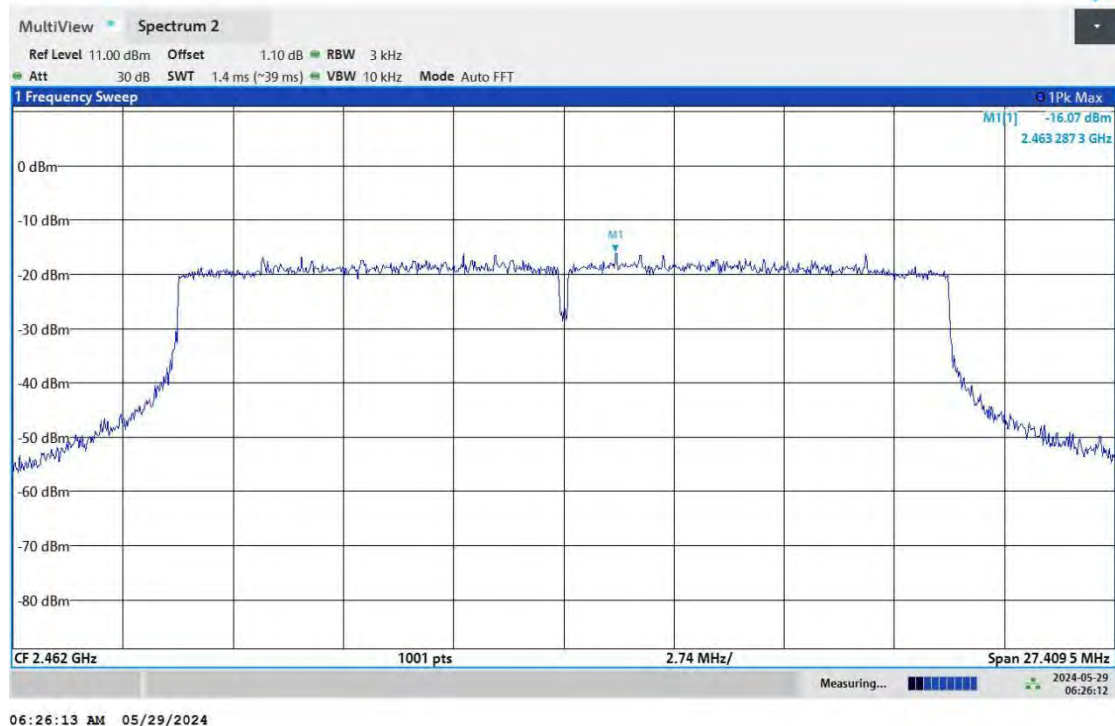
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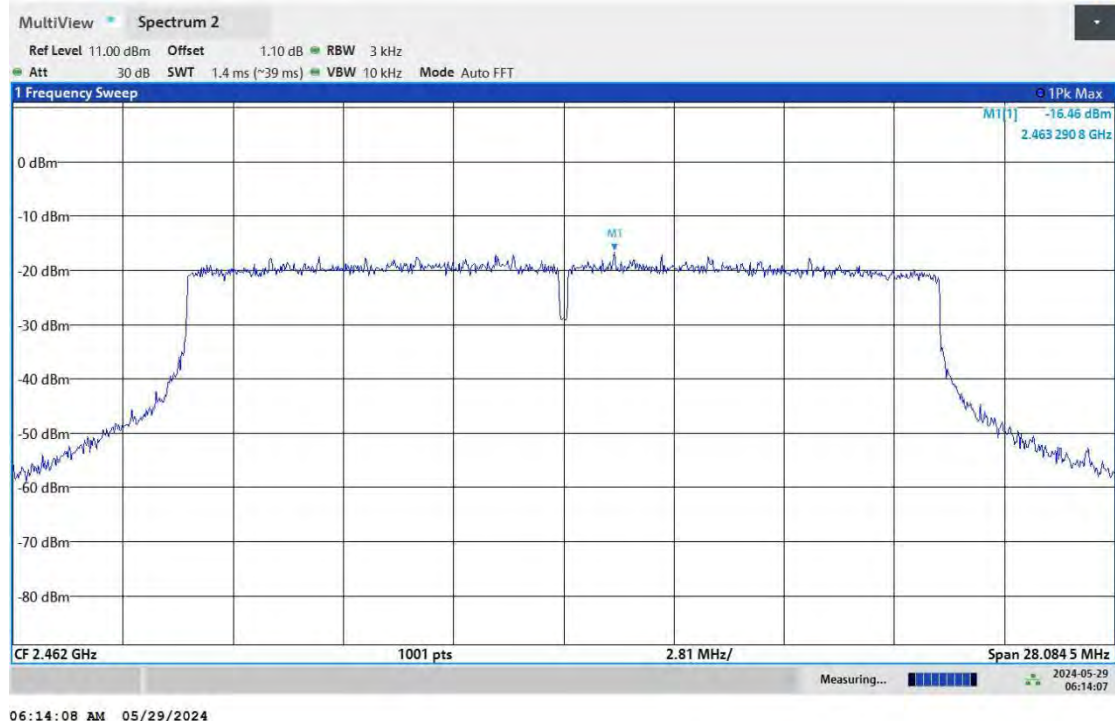
11AX20_Ant10_2437



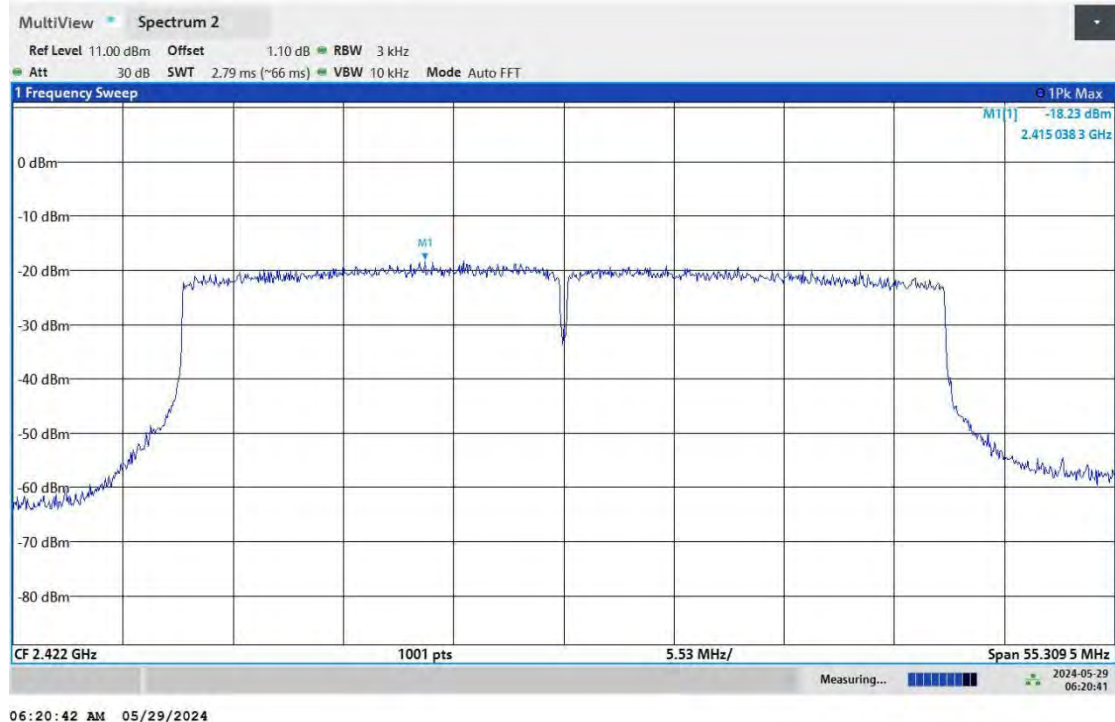
11AX20_Ant9_2462



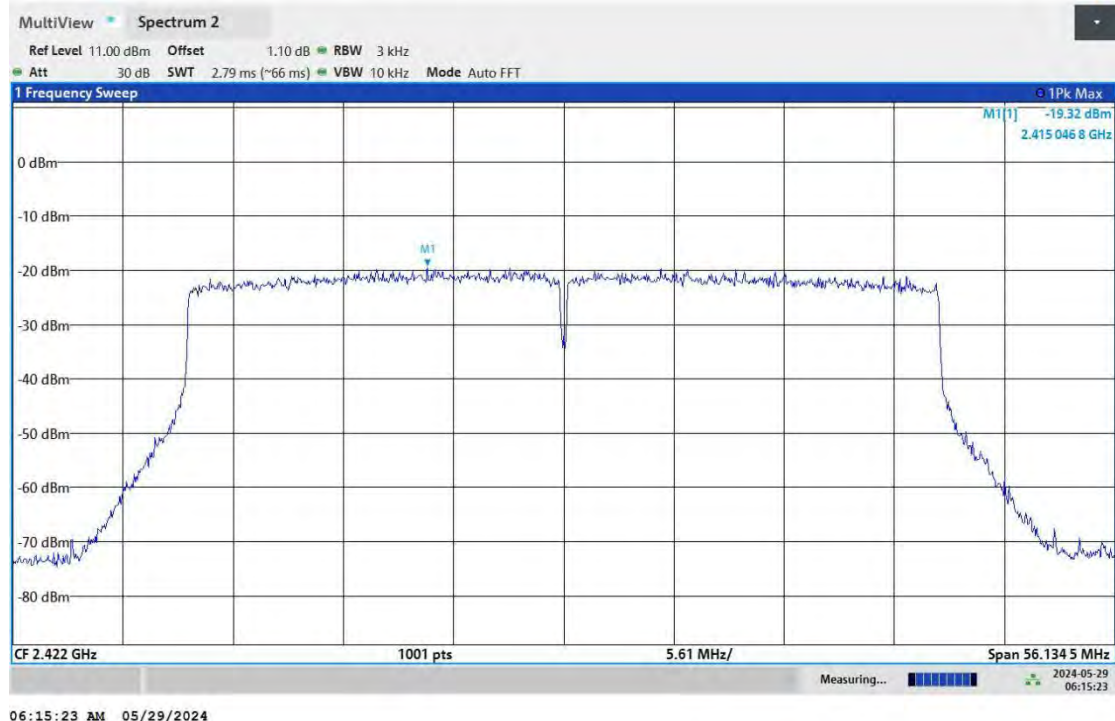
11AX20_Ant10_2462



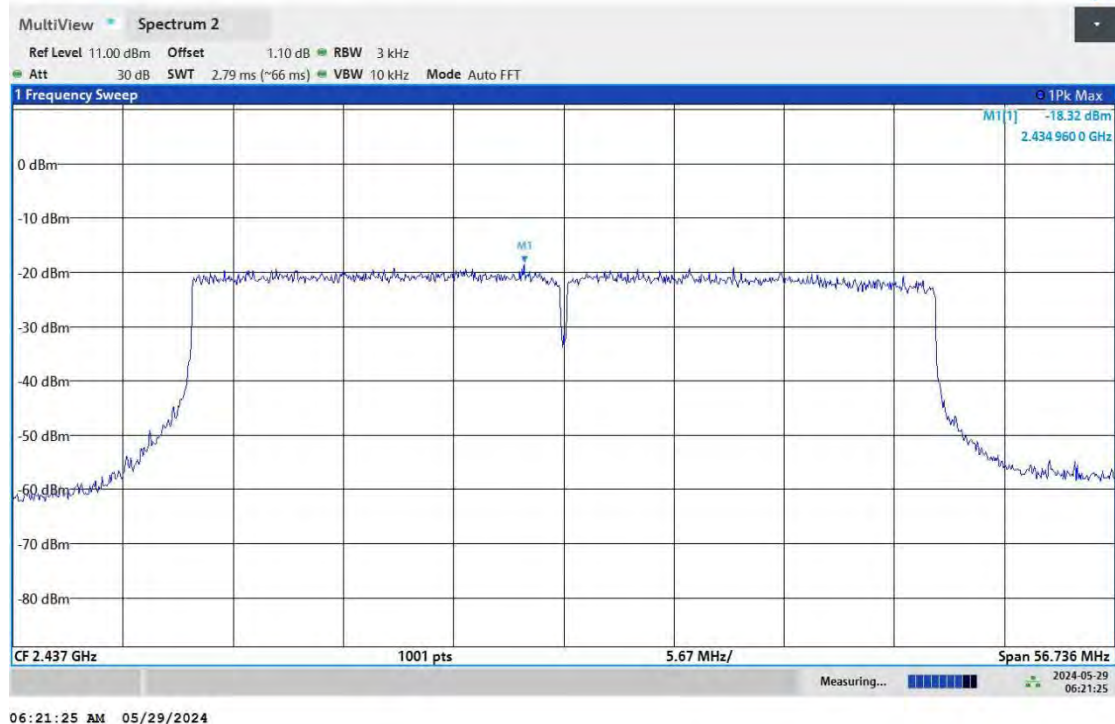
11AX40_Ant9_2422



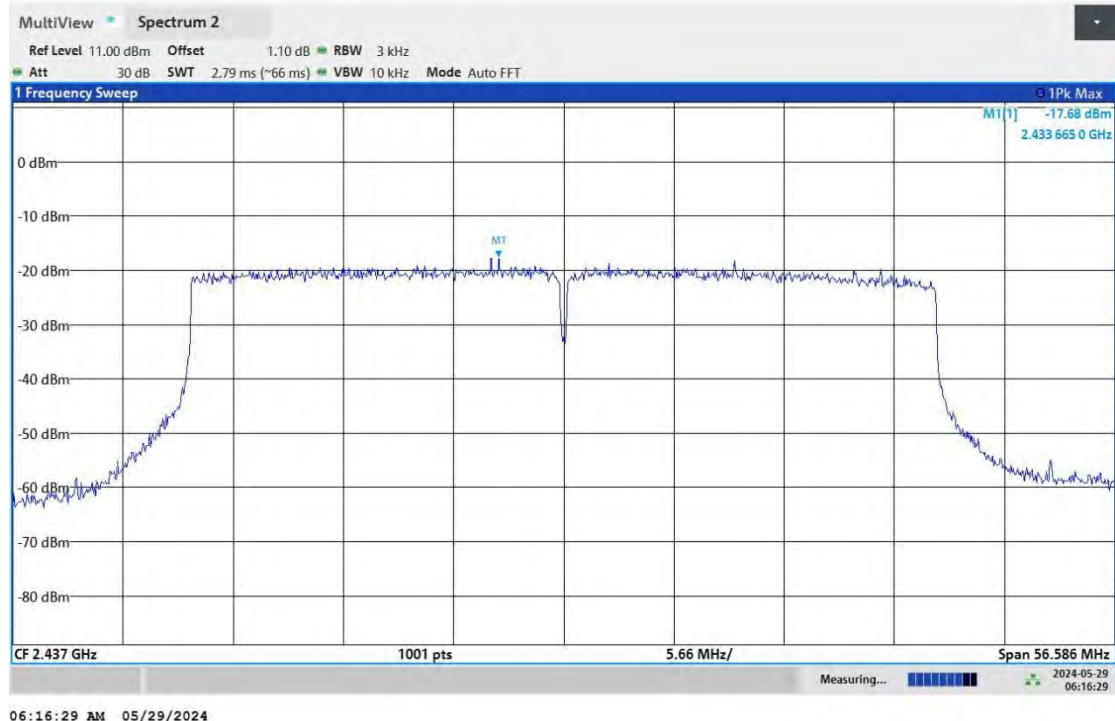
11AX40_Ant10_2422



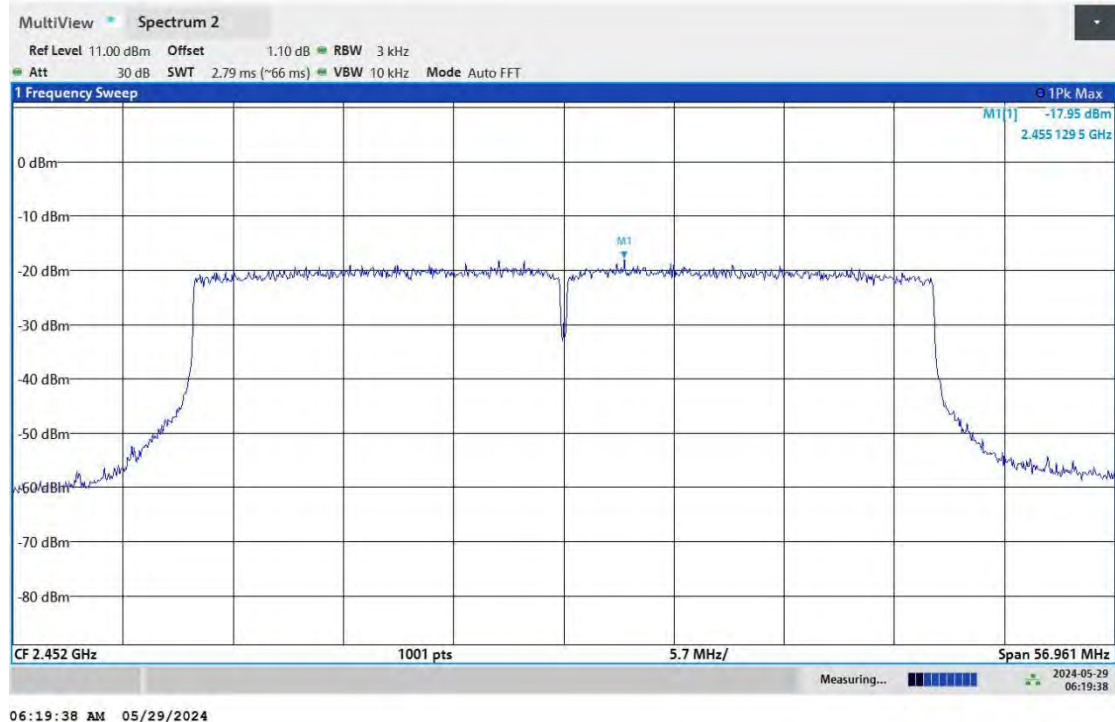
11AX40_Ant9_2437



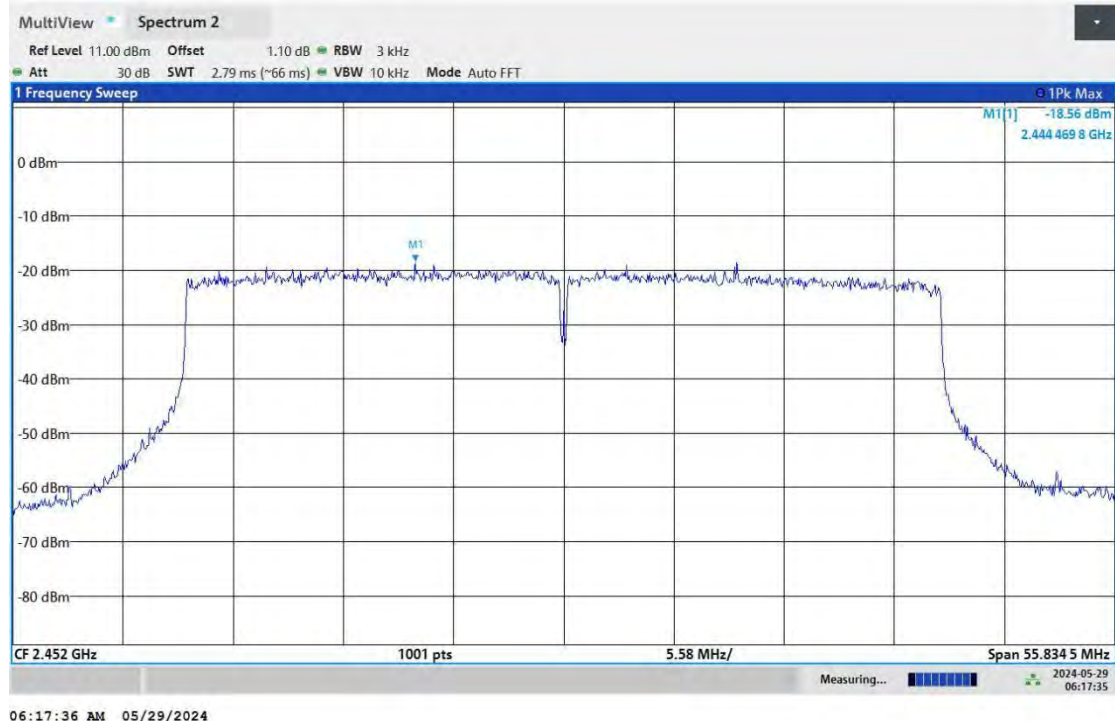
11AX40_Ant10_2437



11AX40_Ant9_2452



11AX40_Ant10_2452



BAND EDGE MEASUREMENTS TEST RESULT

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B-MIMO	Ant9	Low	2412	See test graph	See test graph	See test graph	PASS
	Ant9	High	2462	See test graph	See test graph	See test graph	PASS
	Ant10	Low	2412	See test graph	See test graph	See test graph	PASS
	Ant10	High	2462	See test graph	See test graph	See test graph	PASS
11G-MIMO	Ant9	Low	2412	See test graph	See test graph	See test graph	PASS
	Ant9	High	2462	See test graph	See test graph	See test graph	PASS
	Ant10	Low	2412	See test graph	See test graph	See test graph	PASS
	Ant10	High	2462	See test graph	See test graph	See test graph	PASS
11N20-MIMO	Ant9	Low	2412	See test graph	See test graph	See test graph	PASS
	Ant9	High	2462	See test graph	See test graph	See test graph	PASS
	Ant10	Low	2412	See test graph	See test graph	See test graph	PASS
	Ant10	High	2462	See test graph	See test graph	See test graph	PASS
11N40-MIMO	Ant9	Low	2412	See test graph	See test graph	See test graph	PASS
	Ant9	High	2462	See test graph	See test graph	See test graph	PASS
	Ant10	Low	2412	See test graph	See test graph	See test graph	PASS
	Ant10	High	2462	See test graph	See test graph	See test graph	PASS

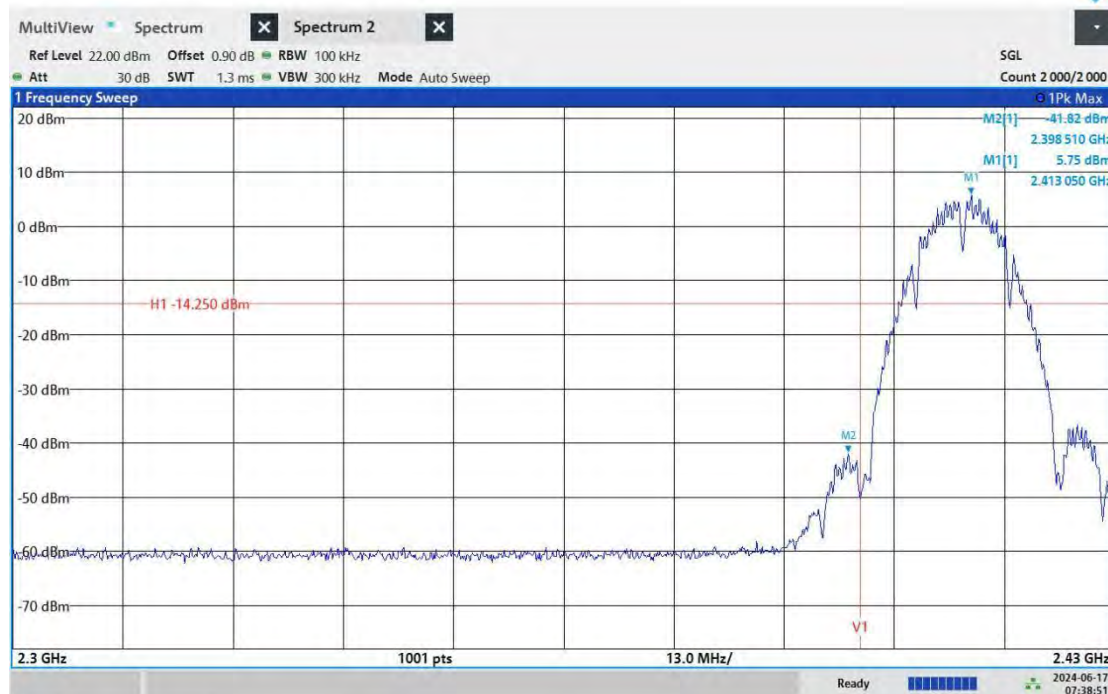


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Reference No.: PSU-NQN2403180115RF02

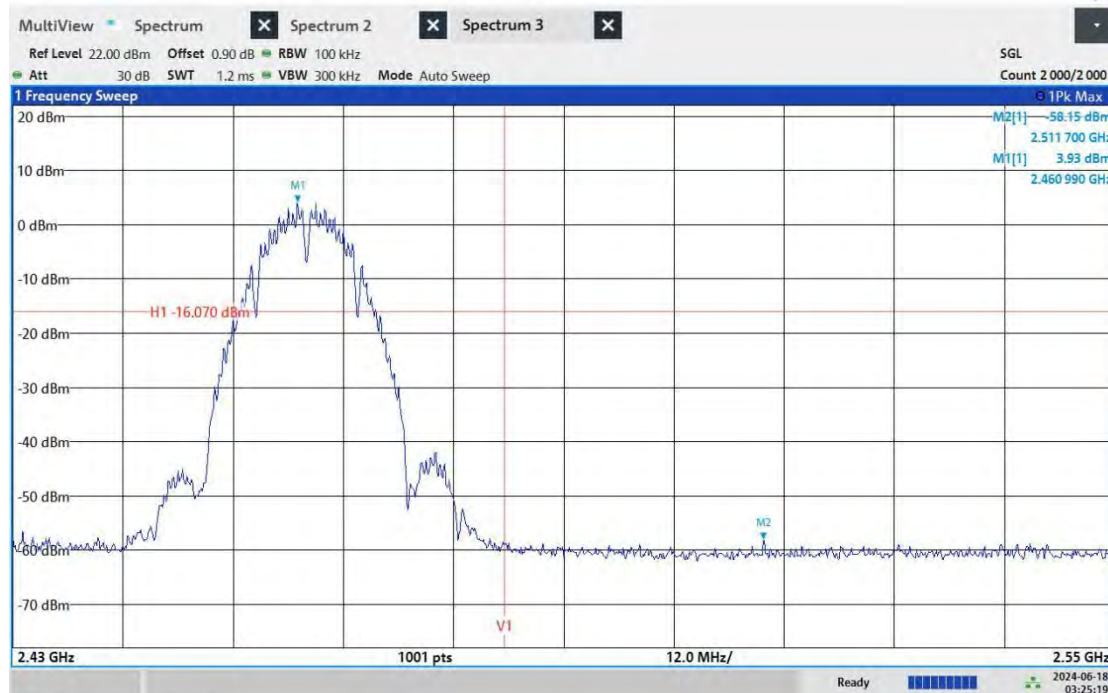
TEST GRAPHS

11B-CDD Ant9 Low 2412



07:38:52 AM 06/17/2024

11B-CDD Ant9 High 2462

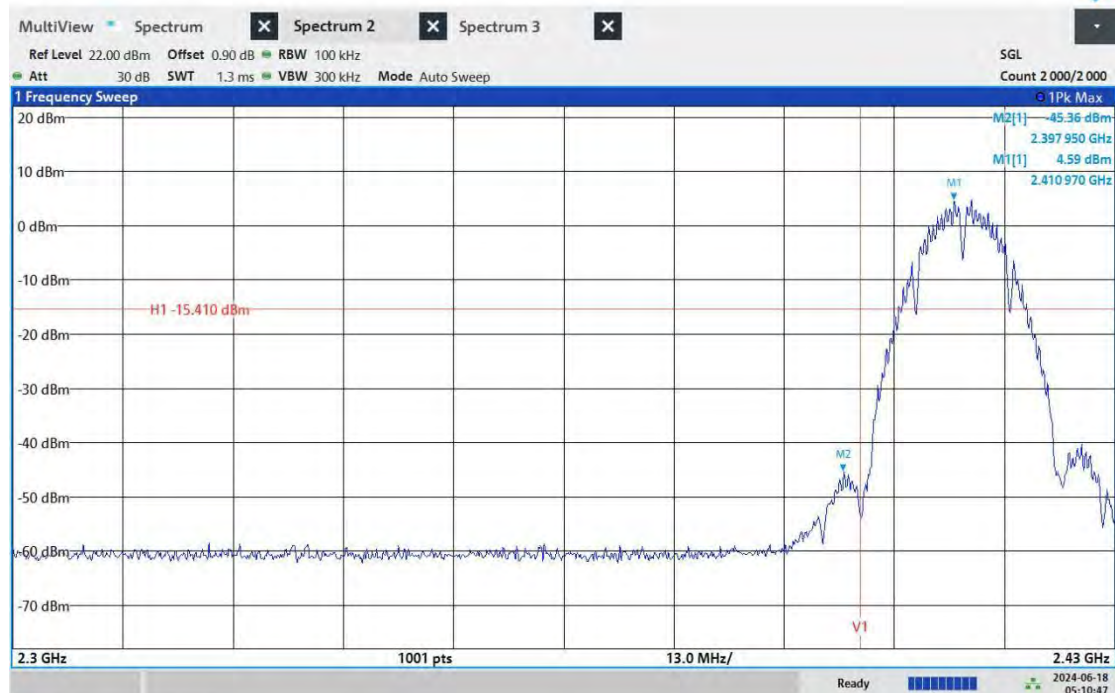


03:25:19 AM 06/18/2024

11B-CDD Ant10 Low 2412

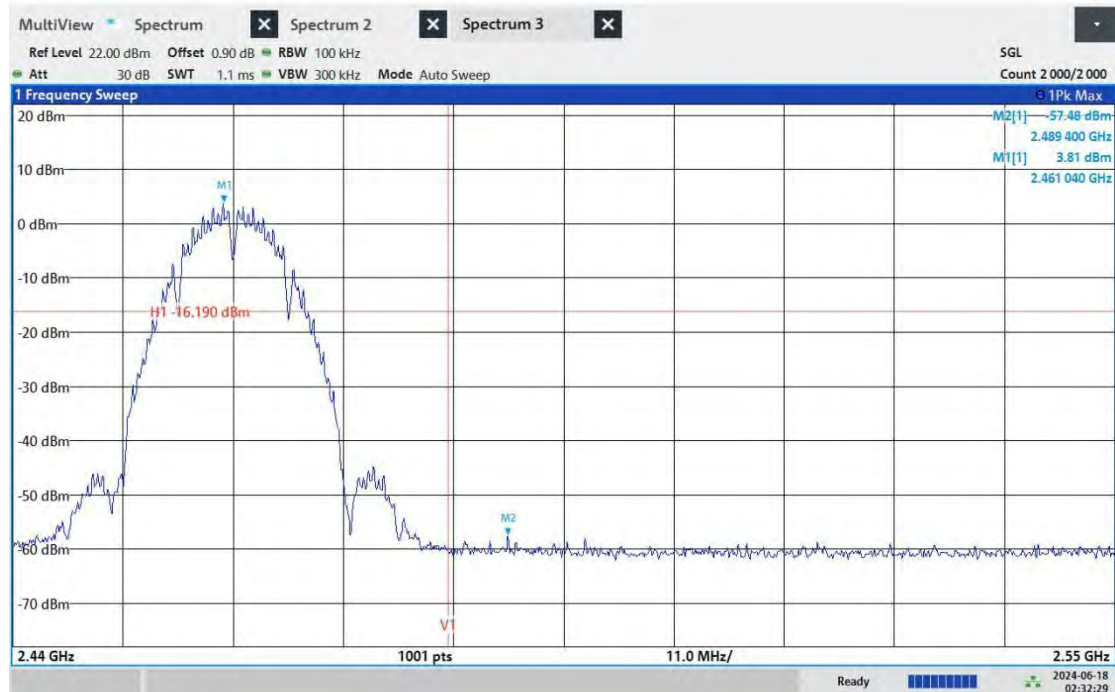


Reference No.: PSU-NQN2403180115RF02



05:10:48 AM 06/18/2024

11B-CDD_Ant10_High_2462



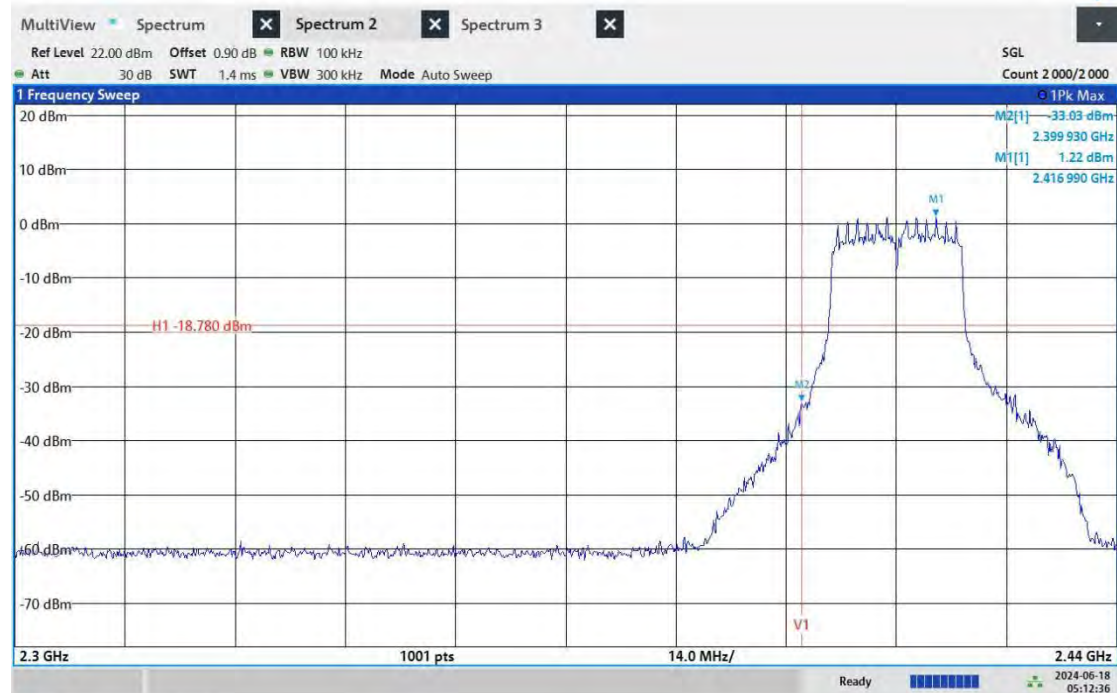
02:32:30 AM 06/18/2024

11G-CDD_Ant9_Low_2412



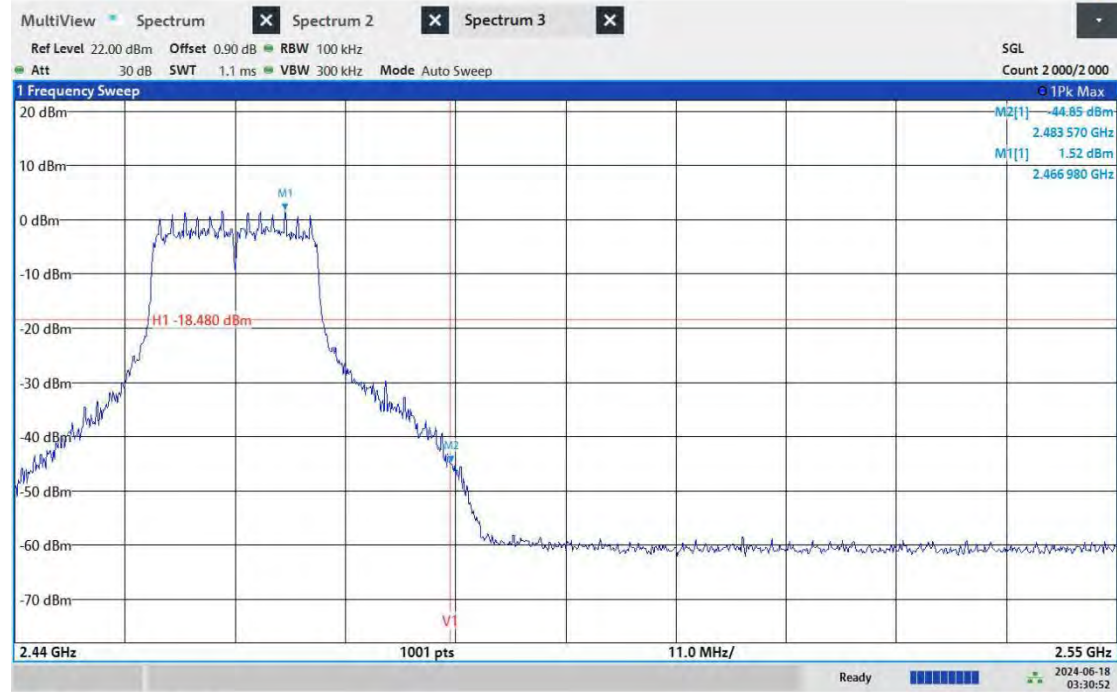
BUREAU
VERITAS

Reference No.: PSU-NQN2403180115RF02



05:12:37 AM 06/18/2024

11G-CDD_Ant9_High_2462

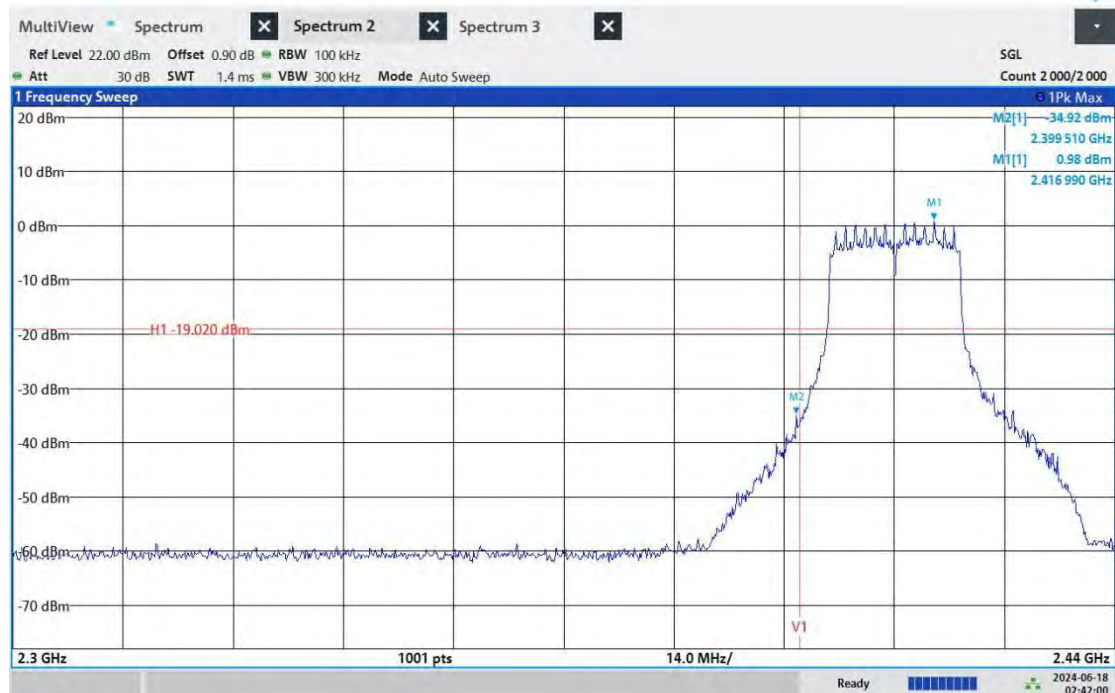


03:30:52 AM 06/18/2024

11G-CDD_Ant10_Low_2412

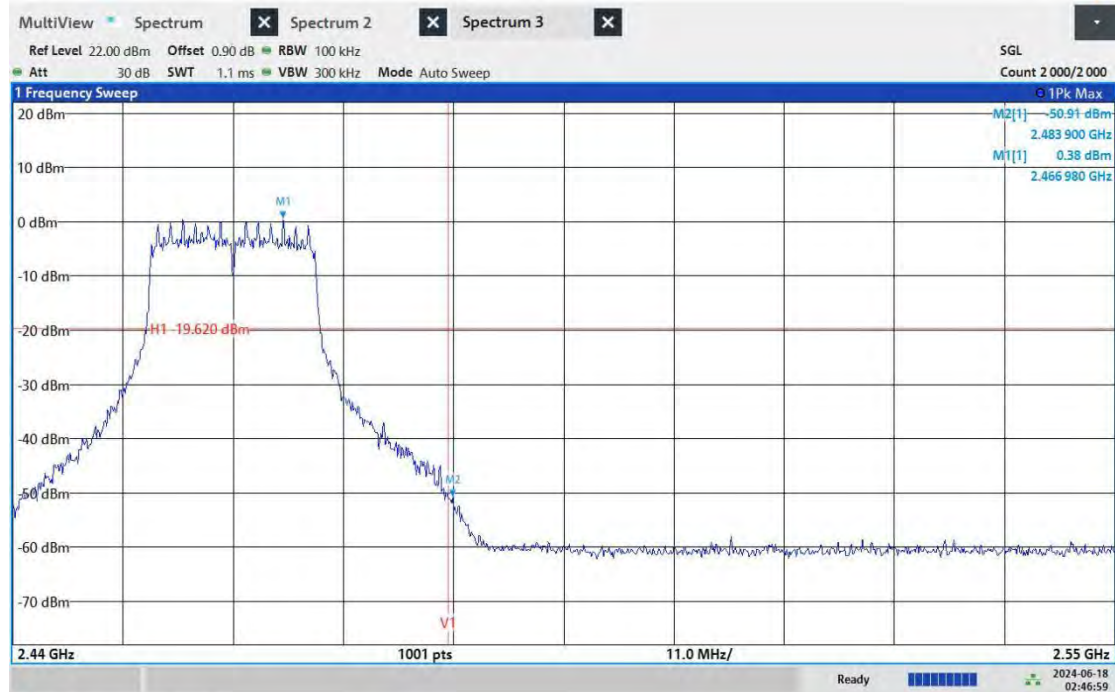


Reference No.: PSU-NQN2403180115RF02



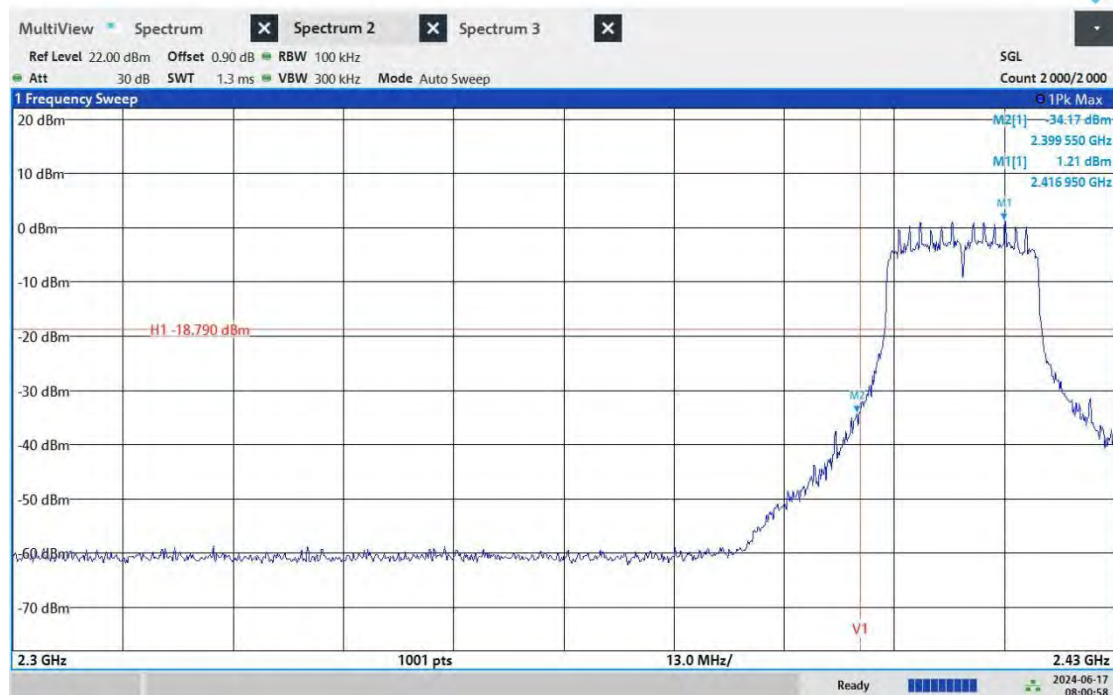
02:42:01 AM 06/18/2024

11G-CDD_Ant10_High_2462



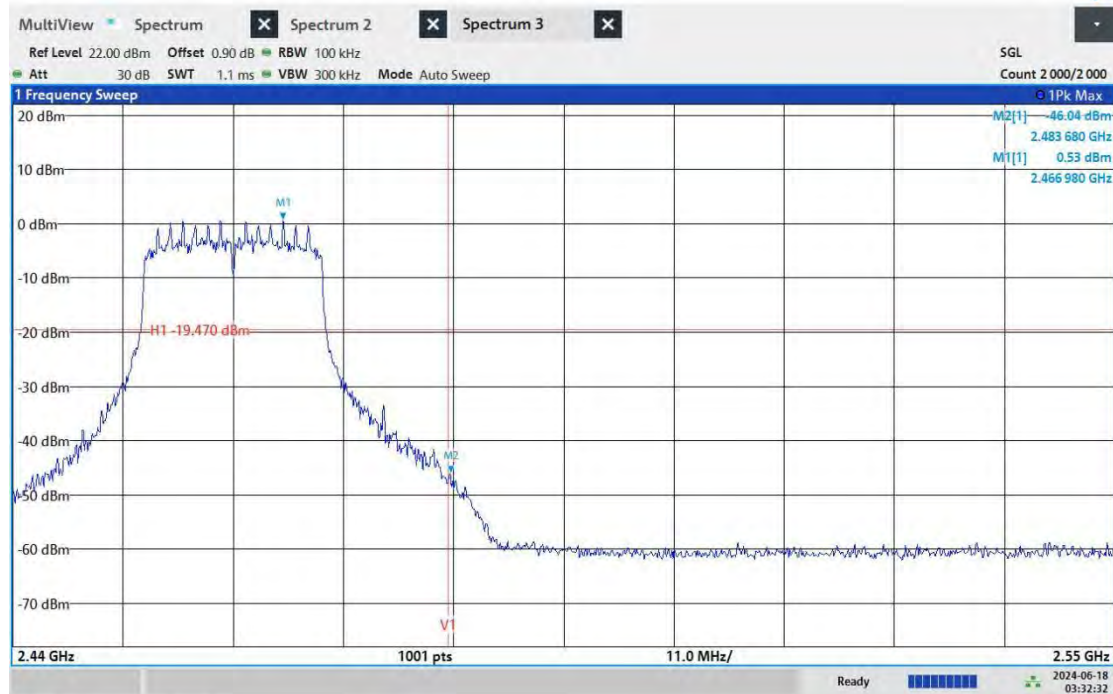
02:47:00 AM 06/18/2024

11N20MIMO_Ant9_Low_2412



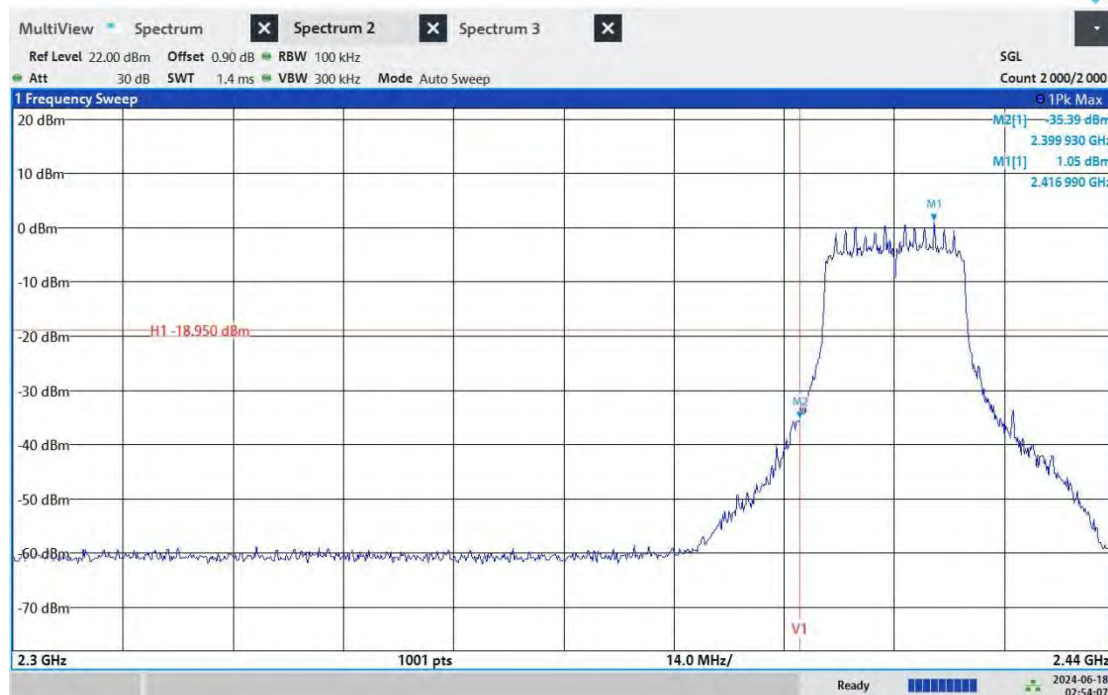
08:00:58 AM 06/17/2024

11N20MIMO_Ant9_High_2462

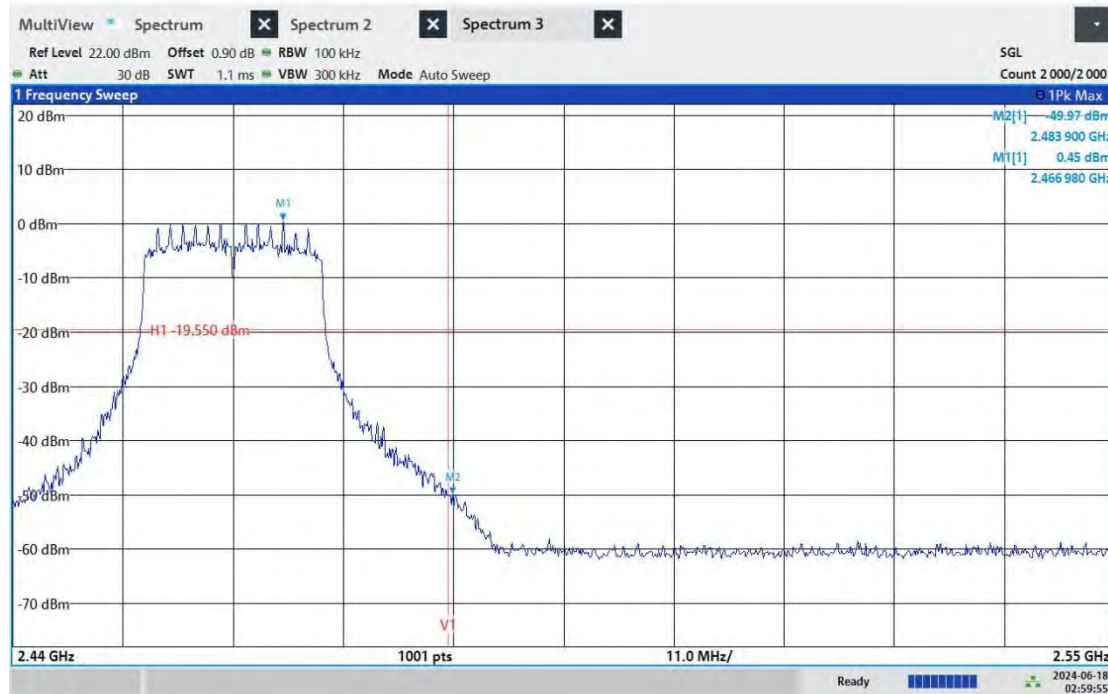


03:32:32 AM 06/18/2024

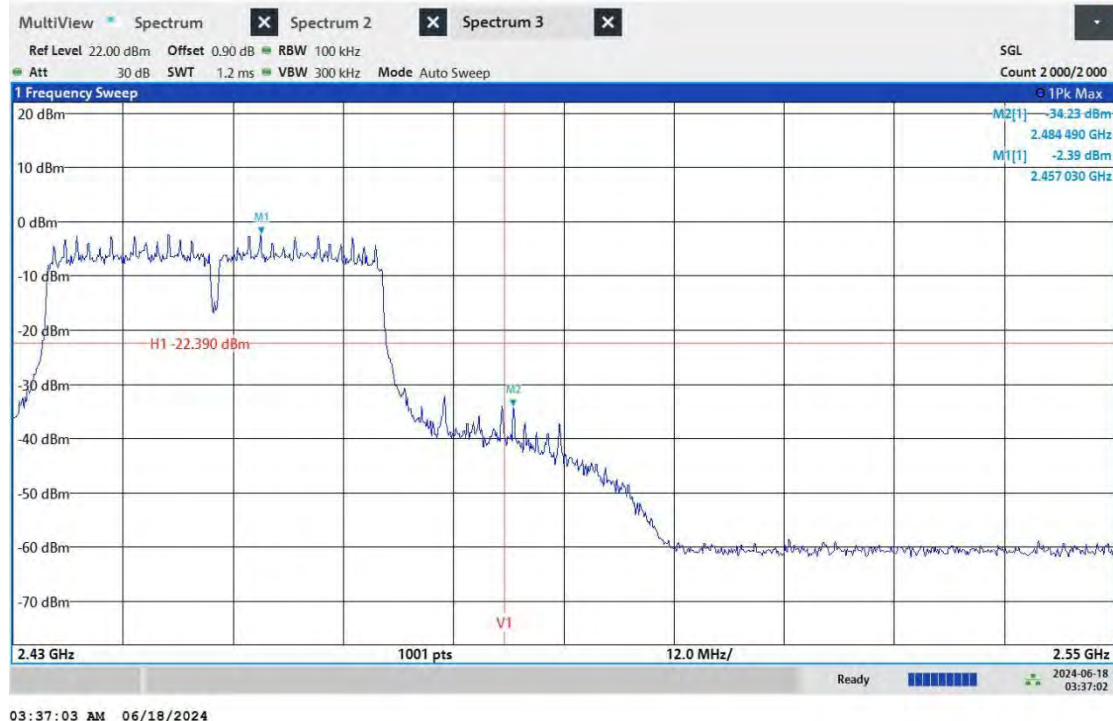
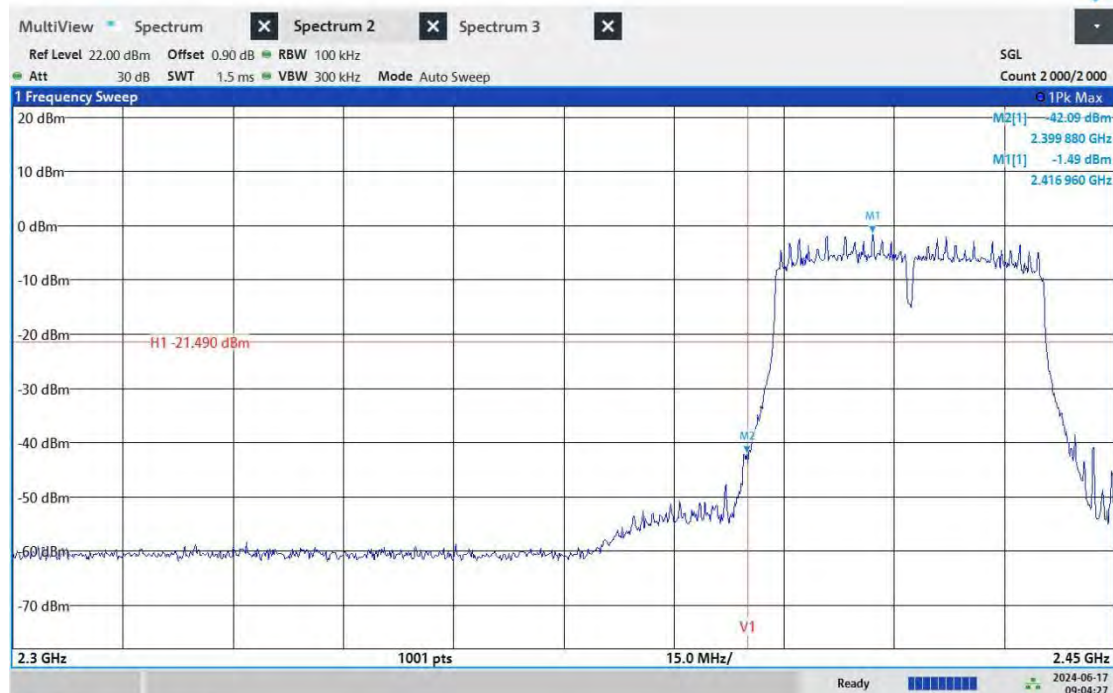
11N20MIMO_Ant10_Low_2412

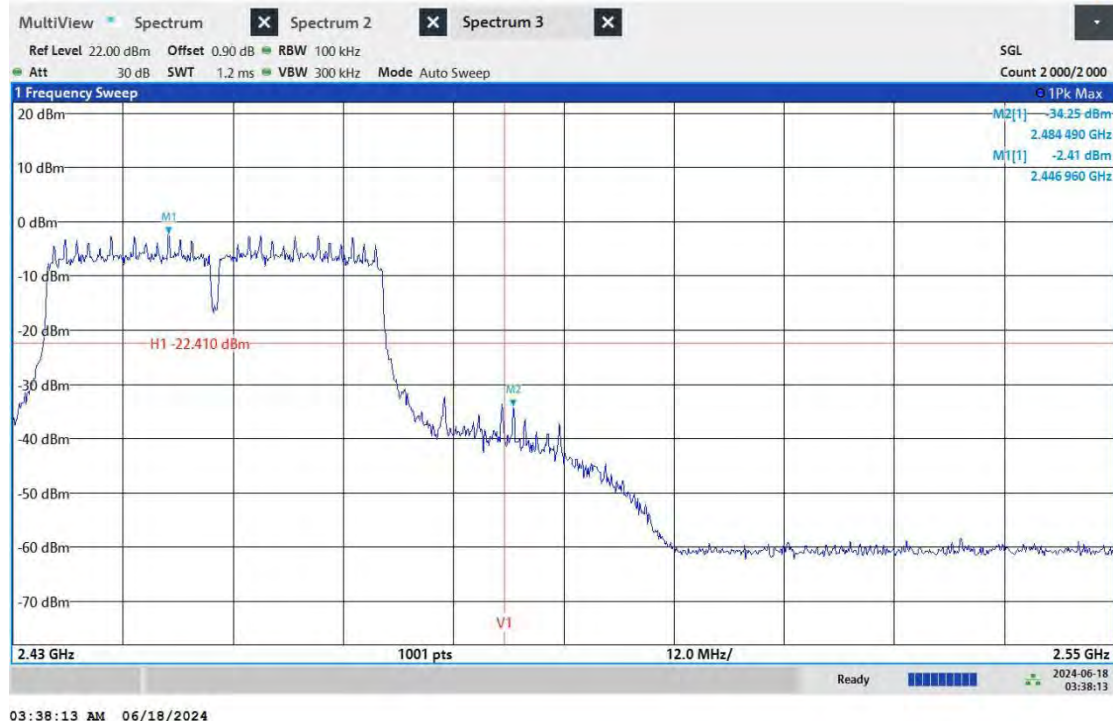
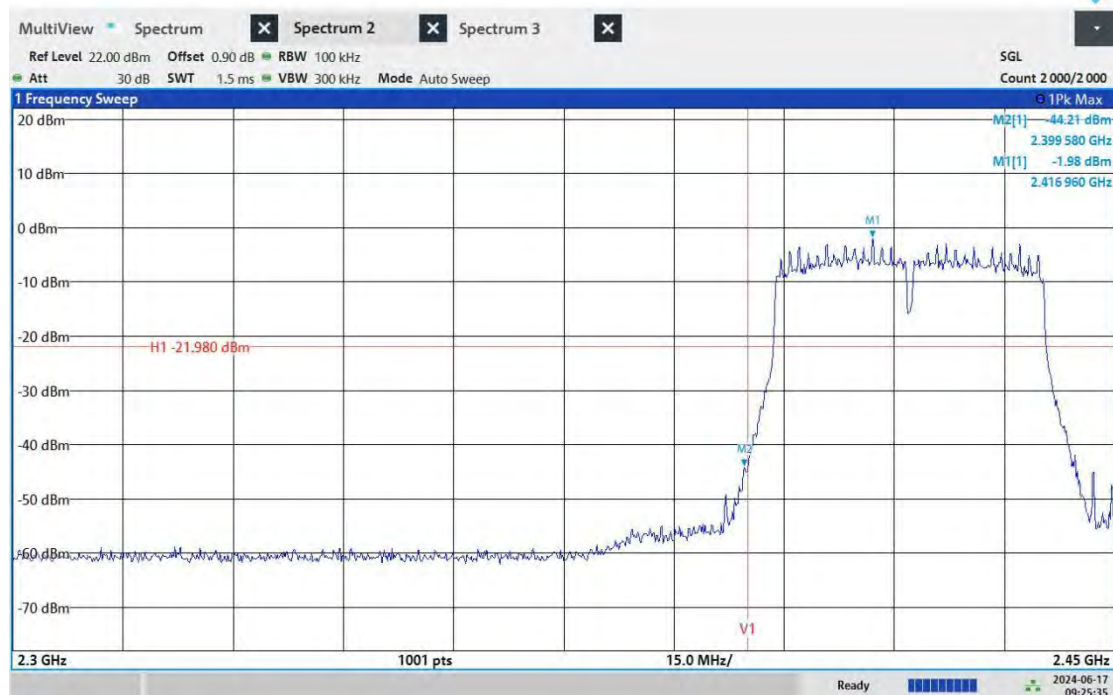


11N20MIMO_Ant10_High_2462



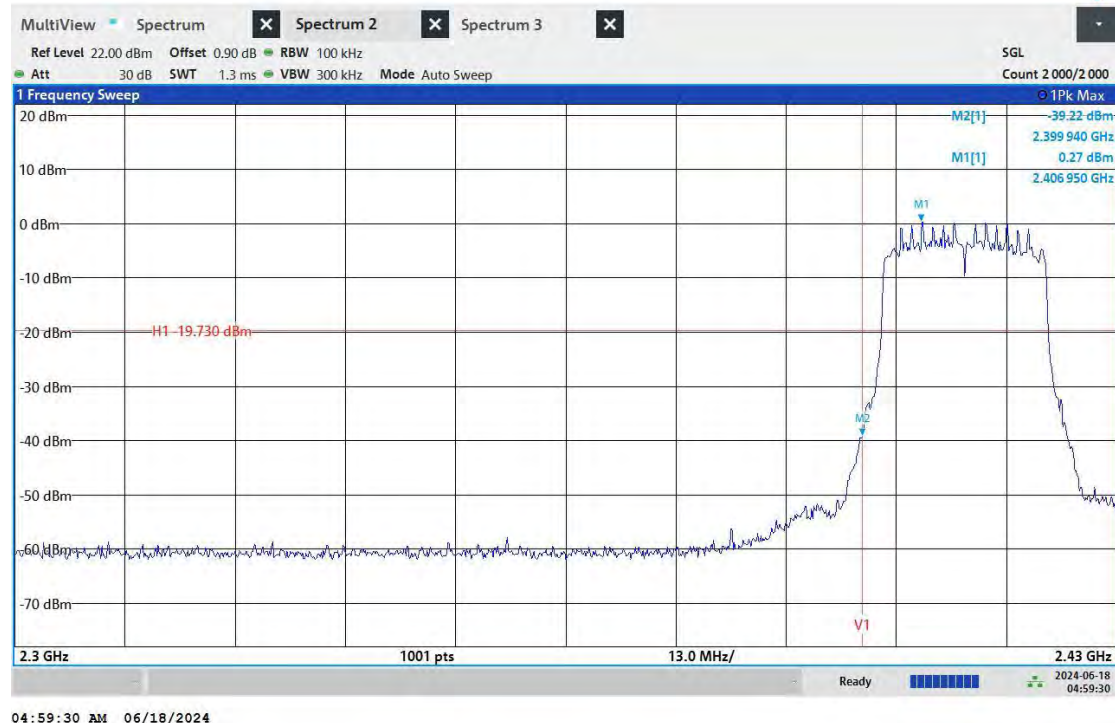
11N40MIMO_Ant9_Low_2422







11AX20_Ant10_Low_2412



11AX20_Ant9_High_2462