

Audix Technology Corp.

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A.2.2 Emissions outside the frequency band:

The emissions (up to 25GHz) not reported for there is no emission be found.

Mode	802.11b	Frequency	TX 2442MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.40	8.72	34.43	31.86	39.55	54.00	14.45	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.40	8.72	34.43	32.41	40.10	54.00	13.90	Peak

Mode	802.11g	Frequency	TX 2442MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.40	8.72	34.43	32.20	39.89	54.00	14.11	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.40	8.72	34.43	32.38	40.07	54.00	13.93	Peak

Mode	802.11n-HT20	Frequency	TX 2442MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.40	8.72	34.43	32.34	40.03	54.00	13.97	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.40	8.72	34.43	32.93	40.62	54.00	13.38	Peak

Mode	802.11n-HT40	Frequency	TX 2442MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.40	8.72	34.43	32.24	39.93	54.00	14.07	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.40	8.72	34.43	33.39	41.08	54.00	12.92	Peak

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Mode	802.11ax-HE20	Frequency	TX 2442MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.40	8.72	34.43	32.94	40.63	54.00	13.37	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.40	8.72	34.43	31.81	39.50	54.00	14.50	Peak

Mode	802.11ax-HE40	Frequency	TX 2442MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.40	8.72	34.43	32.96	40.65	54.00	13.35	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.40	8.72	34.43	32.93	40.62	54.00	13.38	Peak

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Mode	BLE (2M)	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	33.30	8.68	34.44	34.04	41.58	54.00	12.42	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	33.30	8.68	34.44	32.41	39.95	54.00	14.05	Peak

Mode	BLE (2M)	Frequency	TX 2440MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.000	33.40	8.72	34.43	33.02	40.71	54.00	13.29	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.000	33.40	8.72	34.43	32.55	40.24	54.00	13.76	Peak

Mode	BLE (2M)	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.55	8.77	34.41	32.76	40.67	54.00	13.33	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.55	8.77	34.41	32.40	40.31	54.00	13.69	Peak

A.2.3 Emissions in Non-restricted Frequency Bands:

Pursuant to ANSI C63.10:2013 that emission levels below the FCC 15.209(a)/RSS-Gen Section 8.9table 4 general radiated emissions limits is not required.

A.3 DTS/OCCUPIED BANDWIDTH

Test Date	2022/03/15~22	Temp./Hum.	22~23℃/58~66%
Cable Loss	WLAN: 0.50dB, BLE: 0.80dB	Tested By	Hua Wu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.3.1 Emission Bandwidth Result

WLAN Mode	Centre Frequency (MHz)	Bandwidth (MHz)		Limit
		DTS (6dB)	Occupied (99%)	
802.11b	2412	9.087	13.478	>500kHz
	2442	9.076	13.368	
	2462	9.047	13.385	
	2472	9.075	13.345	
802.11g	2412	15.17	16.748	
	2442	15.16	16.682	
	2462	15.17	16.601	
	2472	16.37	16.392	
802.11n-HT20	2412	15.12	17.750	
	2442	15.13	17.716	
	2462	15.71	17.746	
	2472	17.62	17.565	
802.11n-HT40	2422	32.67	36.004	
	2442	32.67	35.980	
	2452	35.11	35.989	
	2462	36.37	36.137	
802.11ax-HE20	2412	18.46	18.906	
	2442	17.94	18.906	
	2462	17.62	18.897	
	2472	18.81	18.720	
802.11ax-HE40	2422	36.25	37.451	
	2442	35.57	37.467	
	2452	36.30	37.459	
	2462	37.93	37.561	

WLAN Mode	Centre Frequency (MHz)	RU Configuration	Bandwidth (MHz)		Limit
			DTS (6dB)	Occupied (99%)	
802.11ax-HE20	2412	26/0	2.100	18.631	>500kHz
		52/37	17.06	18.381	
		106/53	17.18	18.311	
	2472	26/8	2.020	18.095	
		52/40	16.94	18.009	
		106/54	17.07	18.117	
802.11ax-HE40	2422	242/61	18.26	18.723	>500kHz
	2462	242/62	18.69	18.580	

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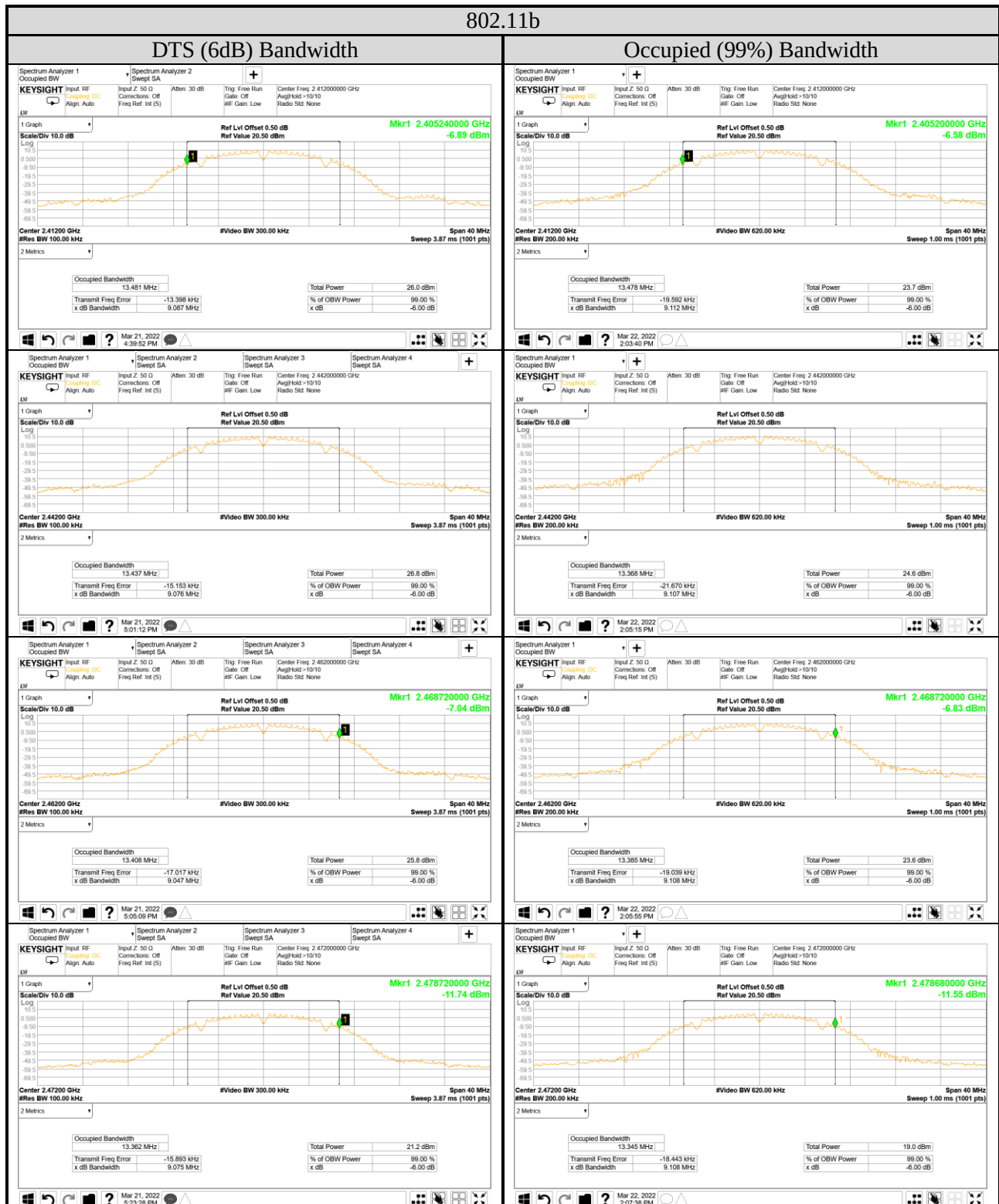
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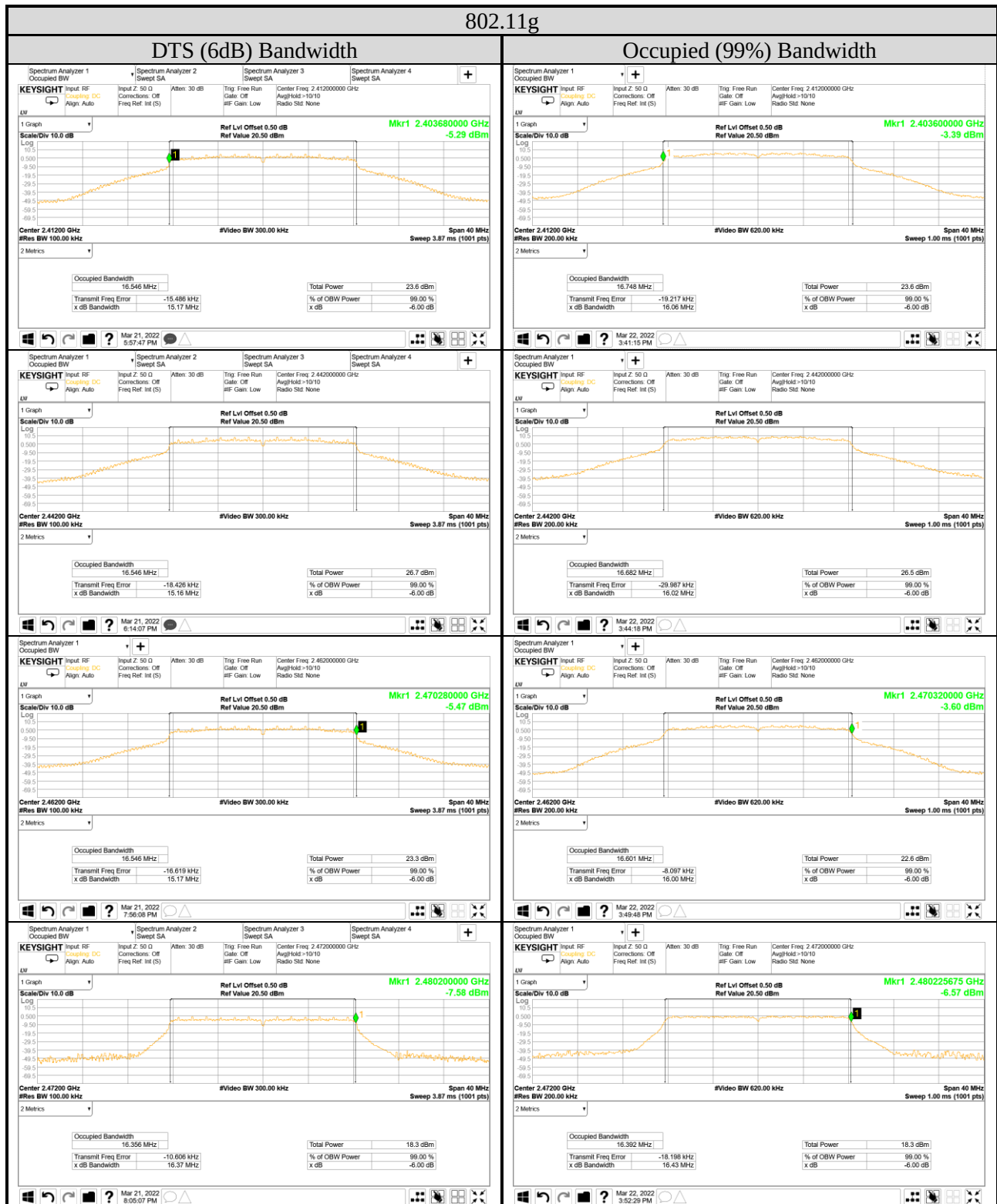
BLE Mode	Centre Frequency (MHz)	Bandwidth (MHz)		Limit
		DTS (6dB)	Occupied (99%)	
1M	2402	0.6649	1.0597	>500kHz
	2440	0.6831	1.0620	
	2480	0.6794	1.0574	
2M	2402	1.128	2.0567	
	2440	1.139	2.0518	
	2480	1.151	2.0531	
PHY Coded S2	2402	0.6685	1.0676	
	2440	0.6860	1.0703	
	2480	0.6886	1.0669	
PHY Coded S8	2402	0.6087	1.0528	
	2440	0.6383	1.0676	
	2480	0.6114	1.0505	

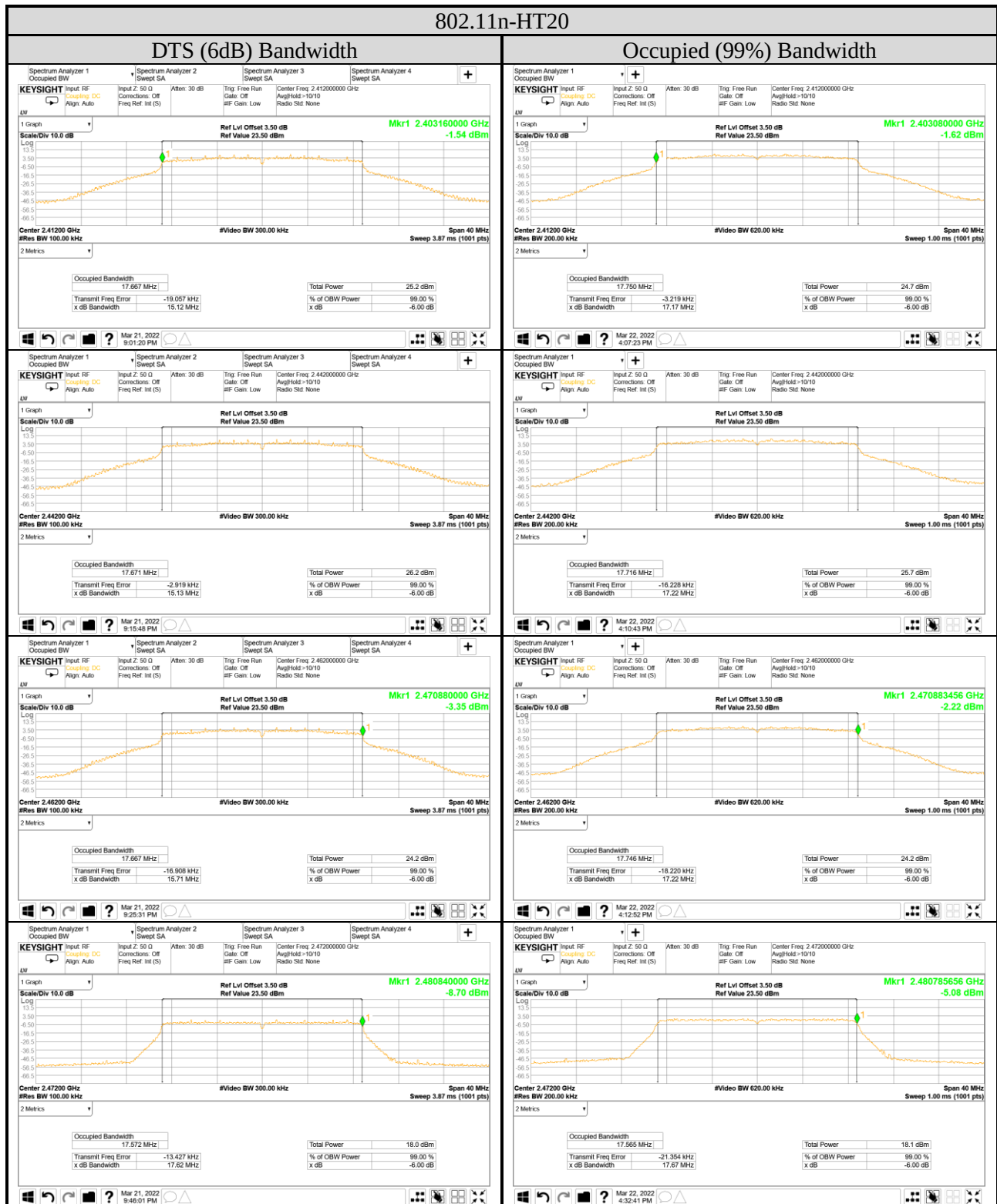
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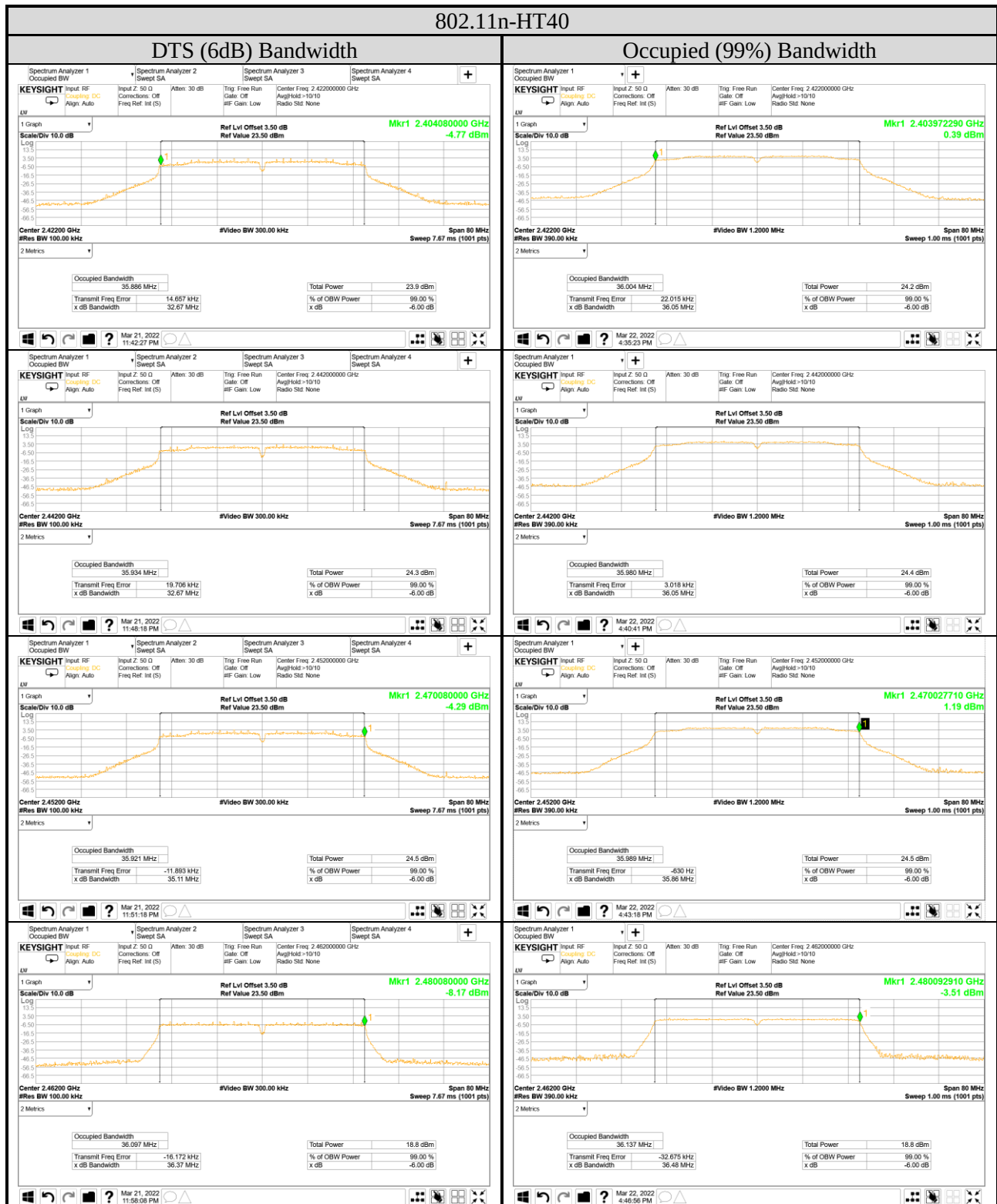
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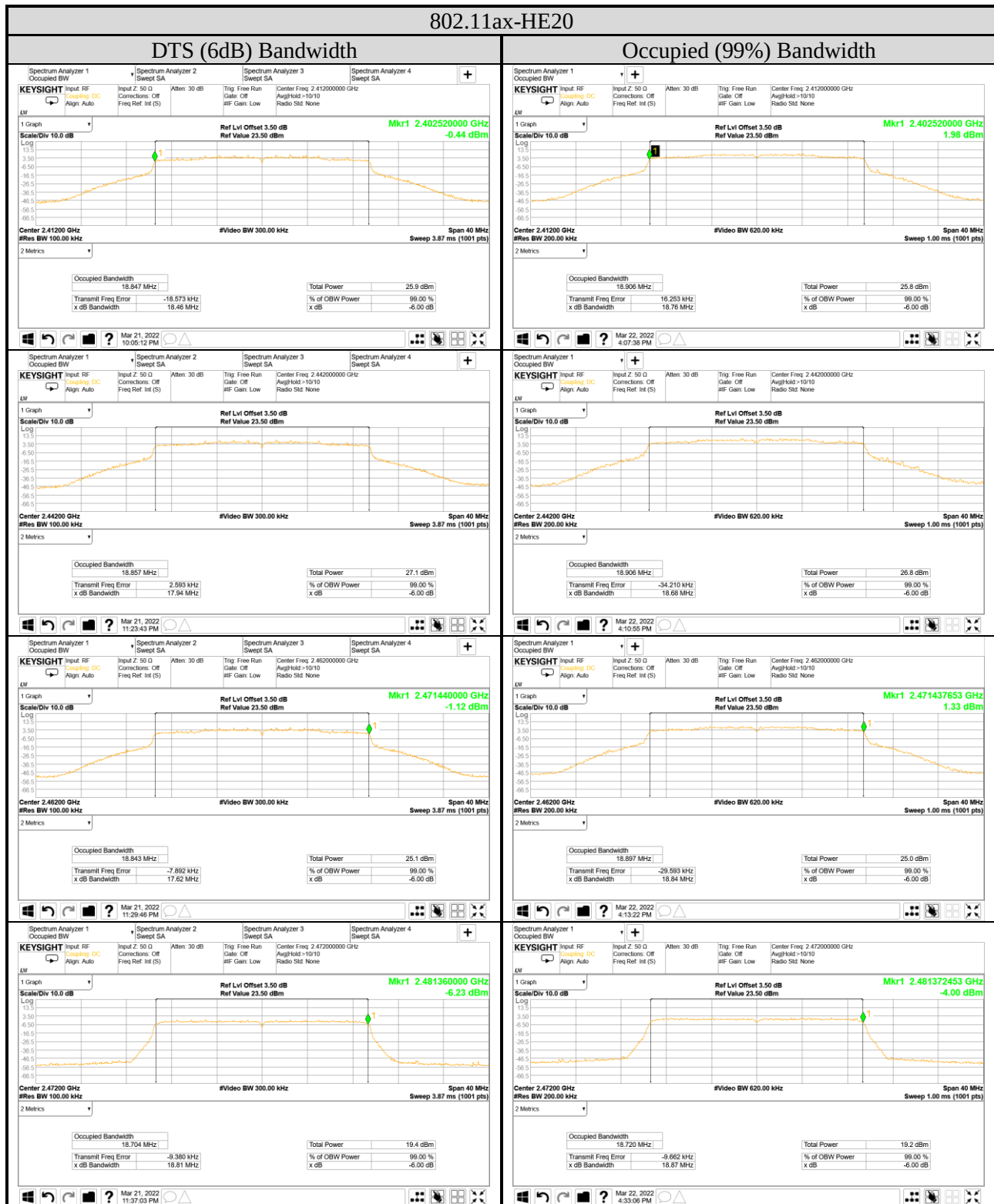
A.3.2 Measurement Plots

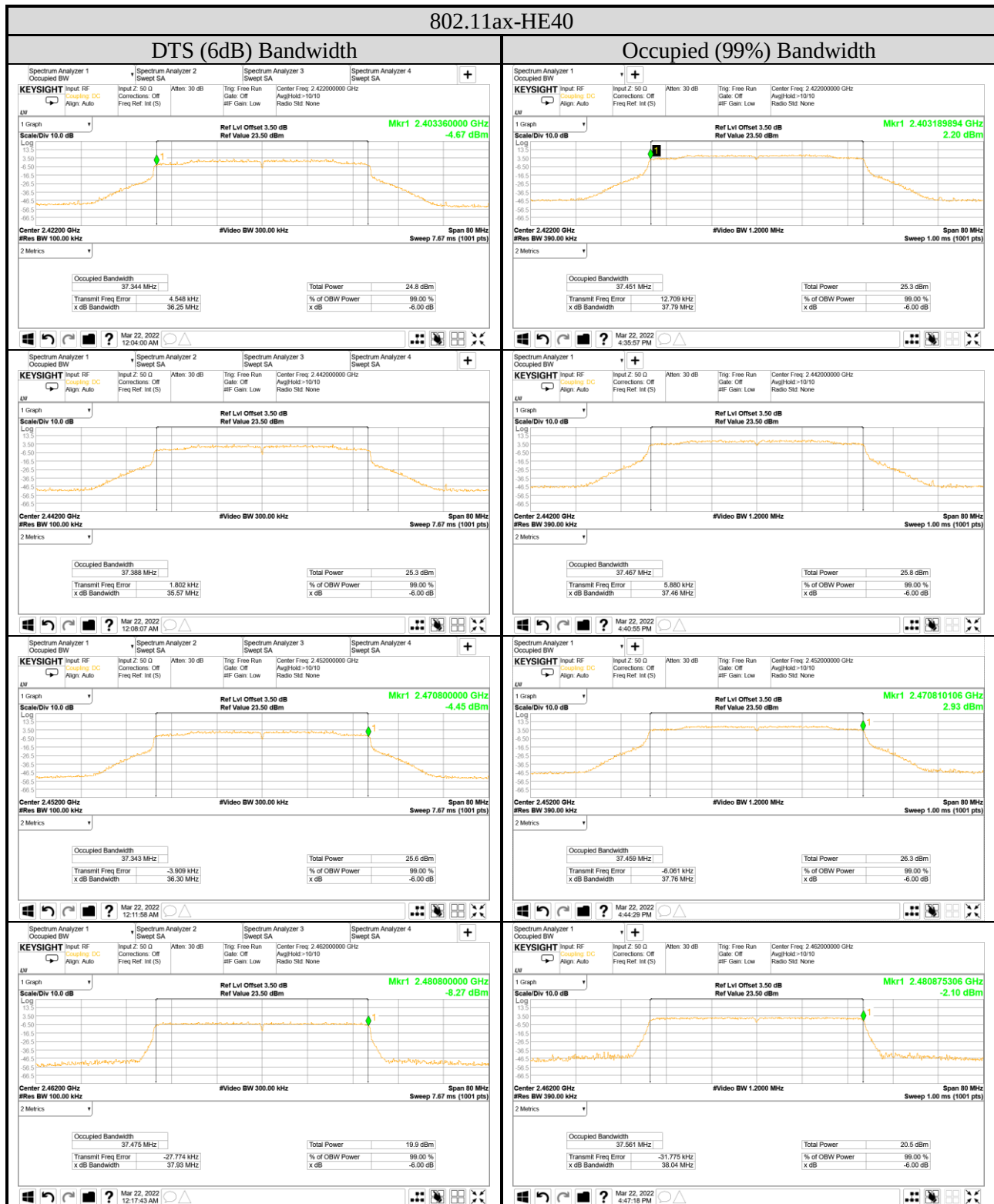












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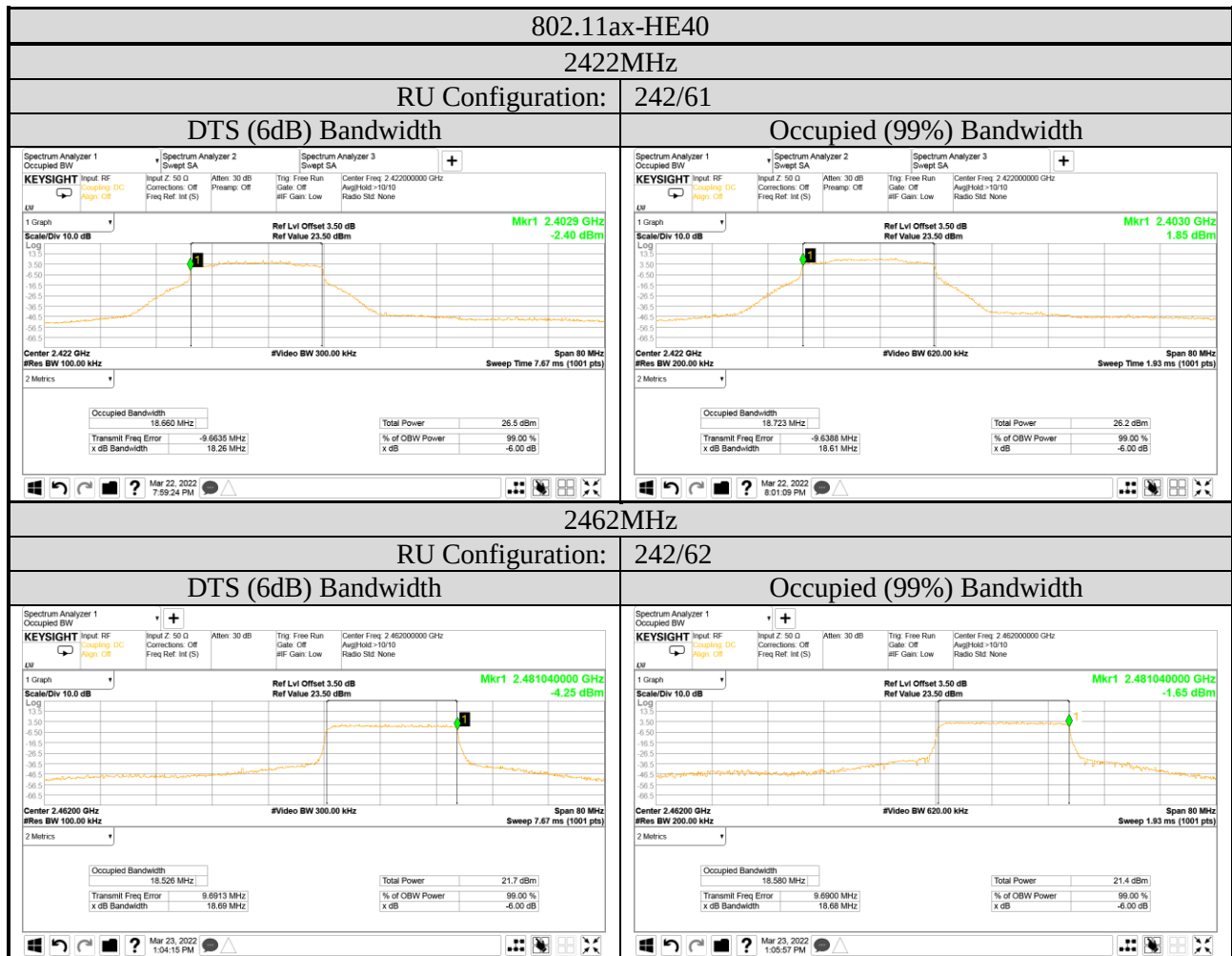
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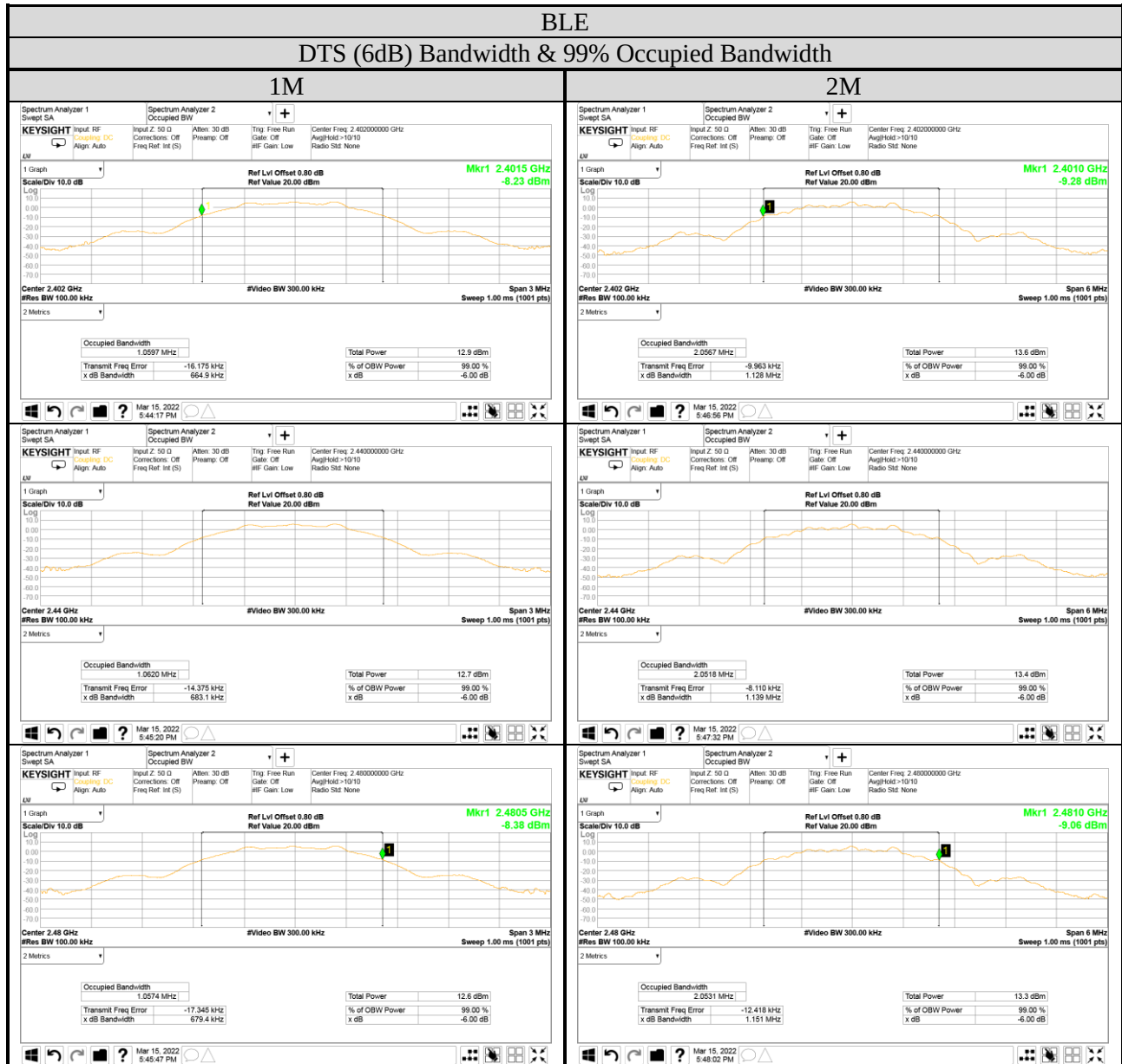
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