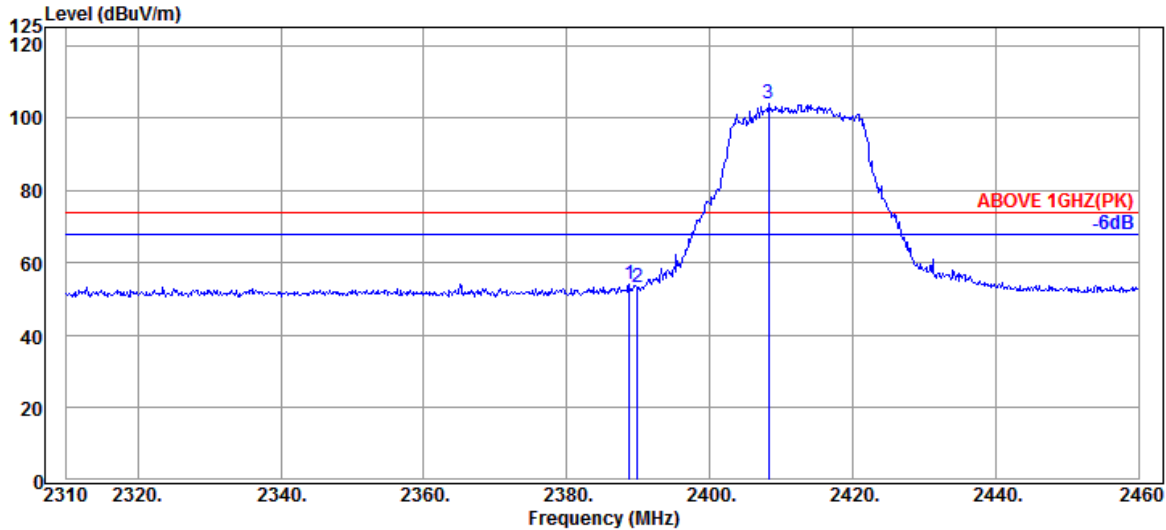
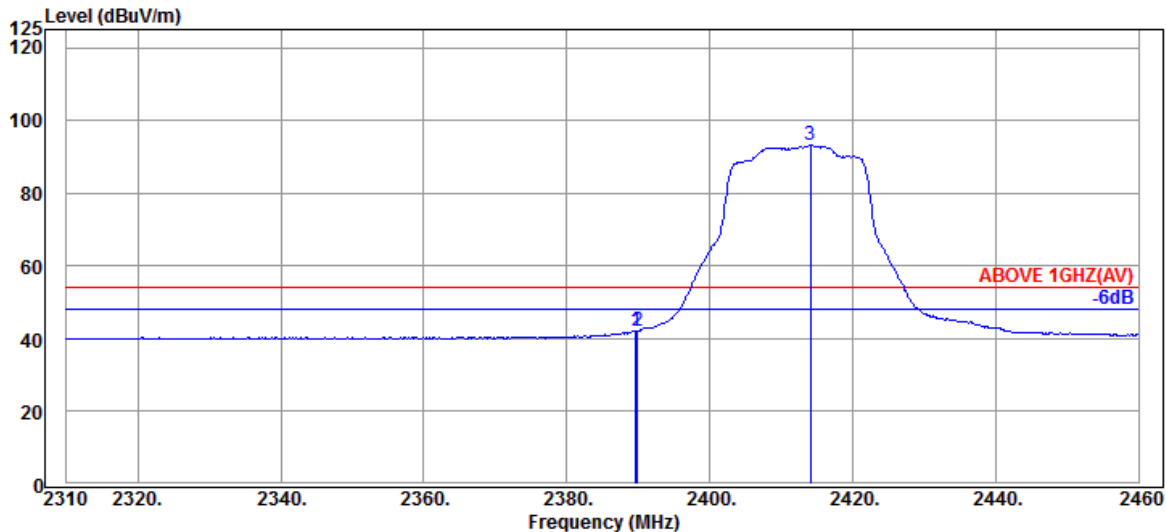


Mode	802.11ax-HE40	Frequency	TX 2422MHz
		RU Configuration	242/61



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2388.750	31.89	6.04	34.53	50.60	54.00	74.00	20.00	Peak
2389.950	31.89	6.04	34.54	49.97	53.36	74.00	20.64	Peak
@ 2408.250	31.87	6.07	34.54	100.45	103.85	---	---	Peak

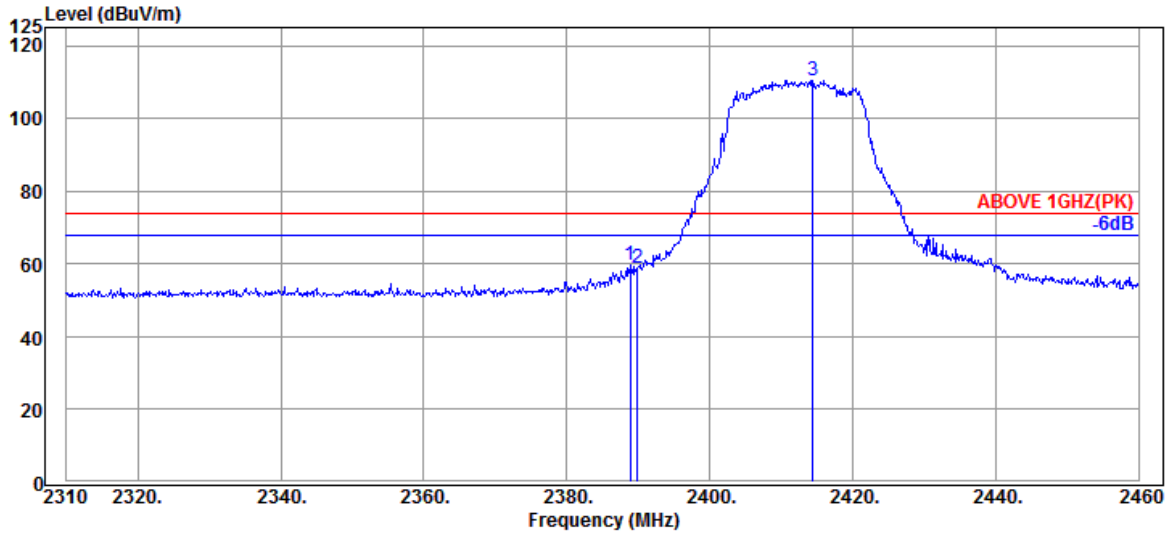


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.650	31.89	6.04	34.53	38.66	42.06	54.00	11.94	Average
2389.950	31.89	6.04	34.54	38.60	41.99	54.00	12.01	Average
@ 2414.100	31.94	6.07	34.54	89.64	93.11	---	---	Average

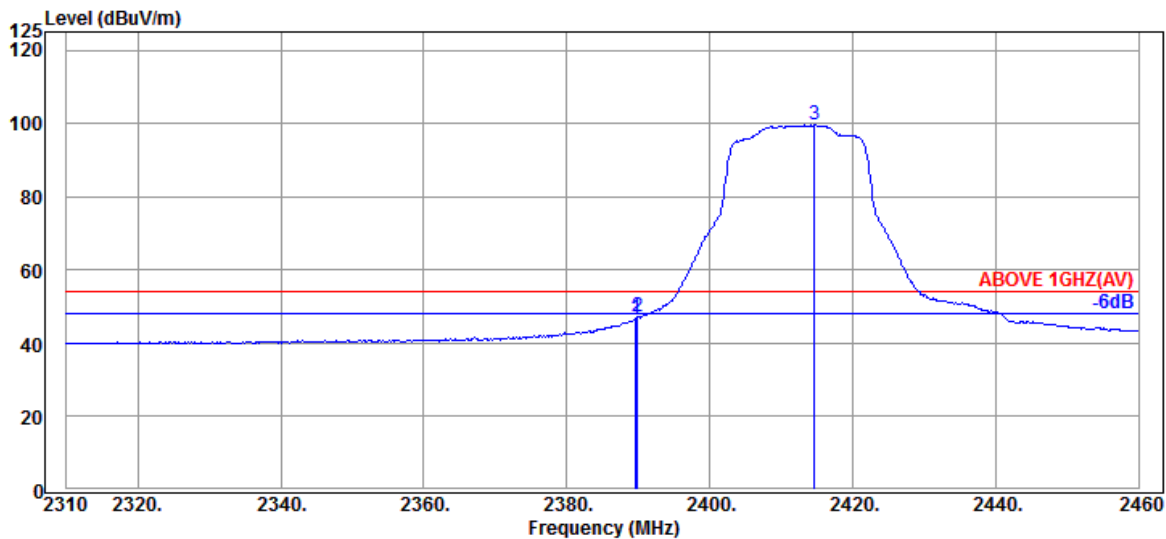
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11ax-HE40	Frequency	TX 2422MHz
		RU Configuration	242/61



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2388.900	31.89	6.04	34.53	56.21	59.61	74.00	14.39	Peak
2389.950	31.89	6.04	34.54	55.46	58.85	74.00	15.15	Peak
@ 2414.400	31.94	6.07	34.54	107.08	110.55	---	---	Peak

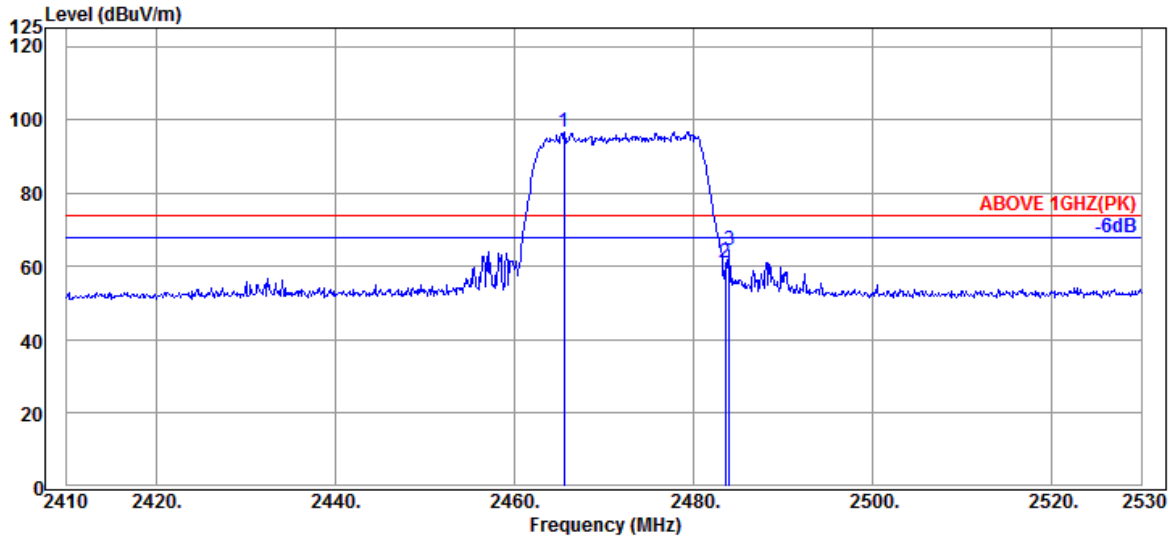


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.650	31.89	6.04	34.53	43.39	46.79	54.00	7.21	Average
2389.950	31.89	6.04	34.54	43.84	47.23	54.00	6.77	Average
@ 2414.700	31.94	6.07	34.54	96.28	99.75	---	---	Average

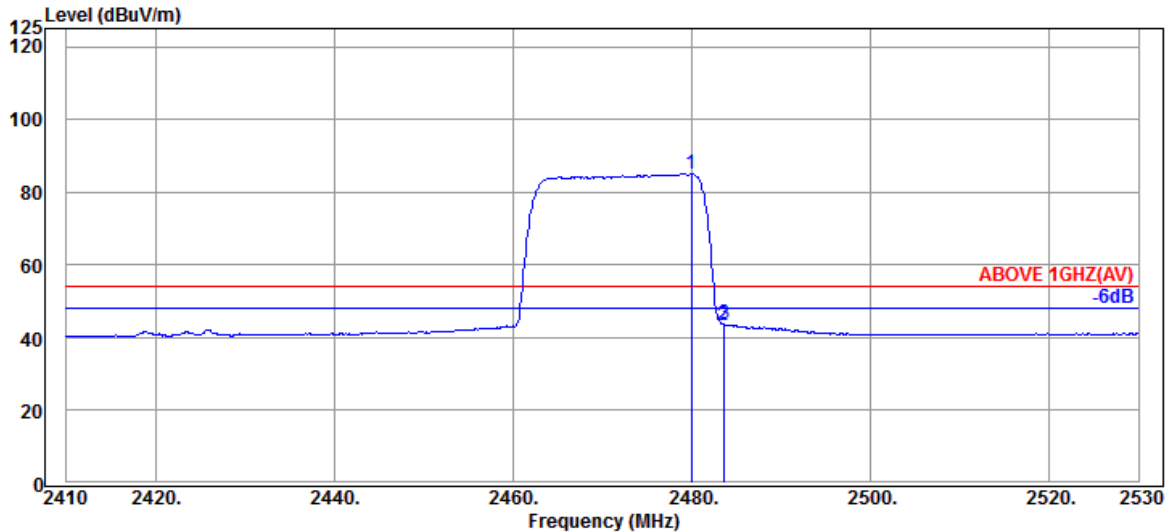
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11ax-HE40	Frequency	TX 2462MHz
		RU Configuration	242/62



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2465.560	32.30	6.15	34.55	92.82	96.72	---	---	Peak
2483.560	32.30	6.18	34.55	57.05	60.98	74.00	13.02	Peak
2484.040	32.30	6.18	34.55	60.70	64.63	74.00	9.37	Peak

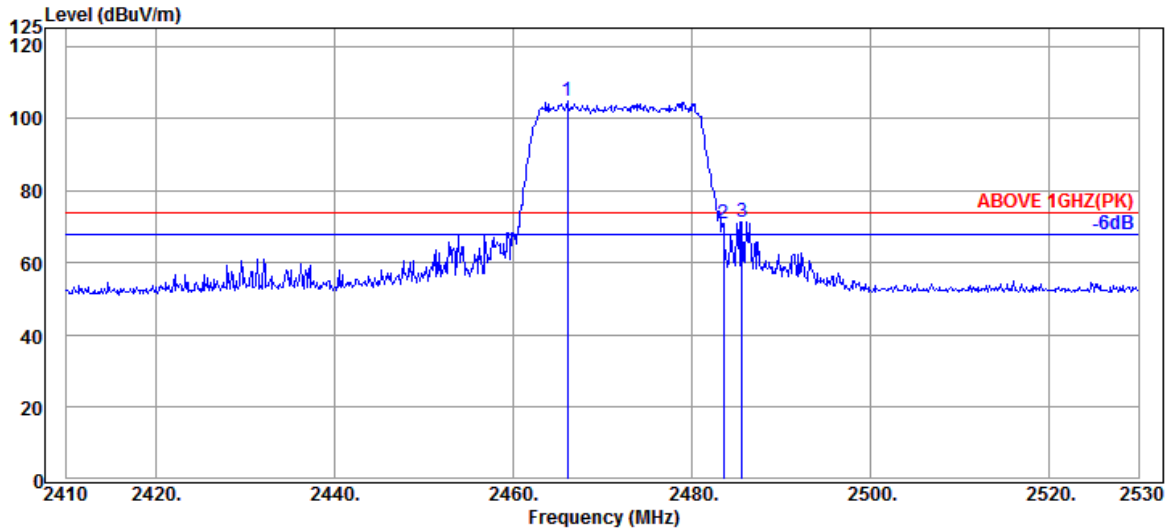


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2479.960	32.30	6.18	34.55	81.15	85.08	---	---	Average
2483.560	32.30	6.18	34.55	39.60	43.53	54.00	10.47	Average
2483.680	32.30	6.18	34.55	39.69	43.62	54.00	10.38	Average

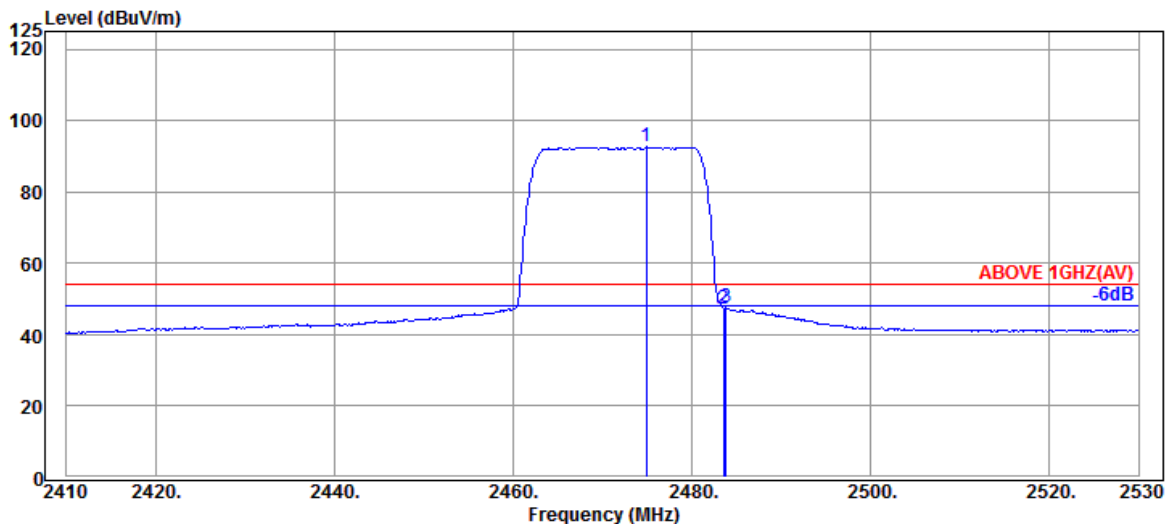
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11ax-HE40	Frequency	TX 2462MHz
		RU Configuration	242/62



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2466.040	32.30	6.15	34.55	100.71	104.61	---	---	Peak
2483.560	32.30	6.18	34.55	66.99	70.92	74.00	3.08	Peak
2485.600	32.30	6.18	34.55	67.54	71.47	74.00	2.53	Peak

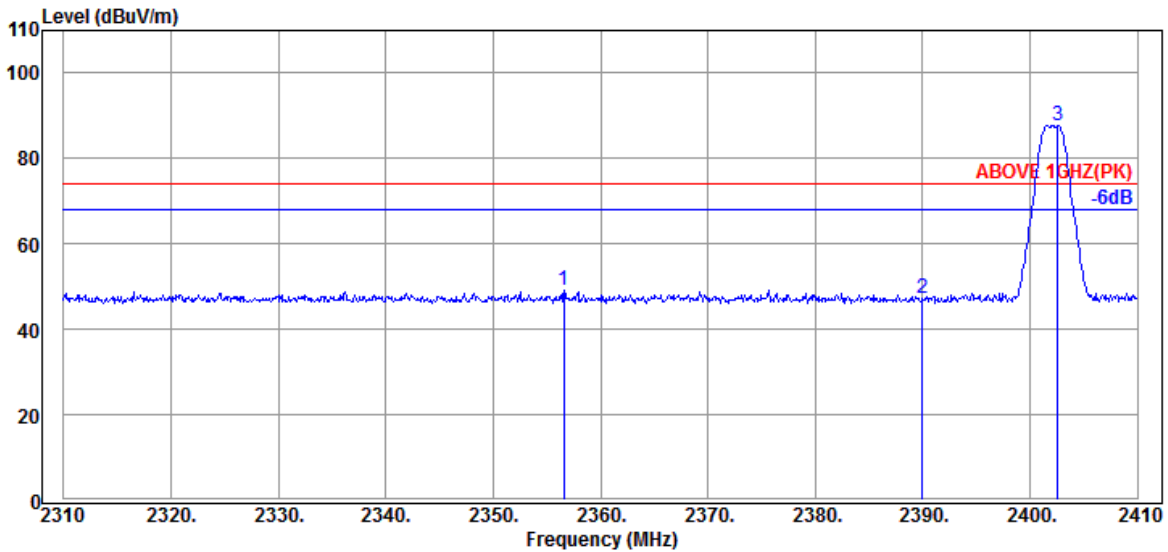


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2474.920	32.30	6.18	34.55	88.67	92.60	---	---	Average
2483.560	32.30	6.18	34.55	43.48	47.41	54.00	6.59	Average
2483.800	32.30	6.18	34.55	43.59	47.52	54.00	6.48	Average

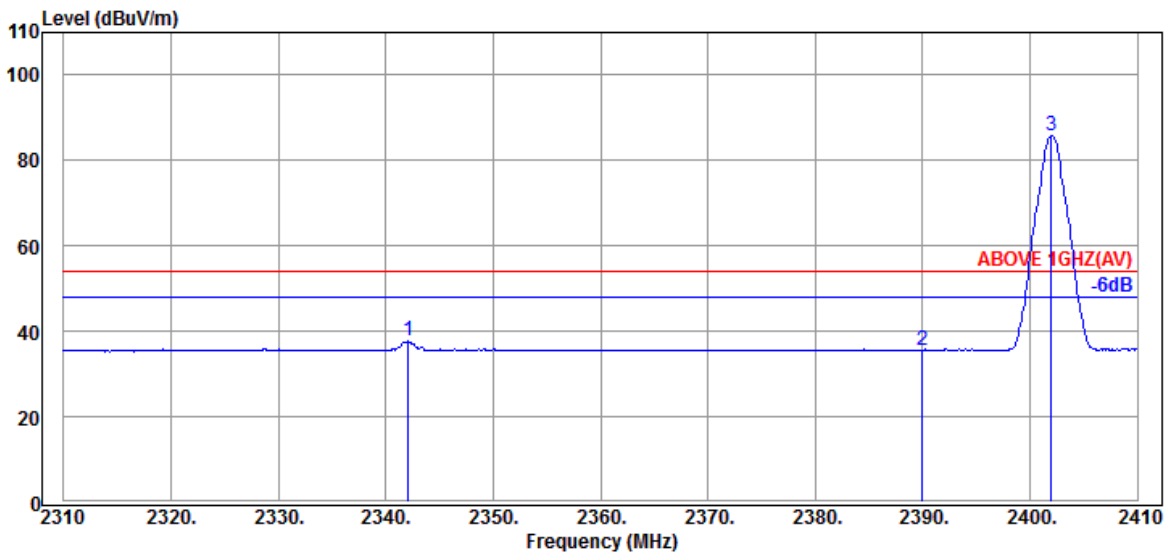
Remark: The “@” means fundamental frequency, it is ignored in this section.

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)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2356.600	32.06	5.98	34.53	45.77	49.28	74.00	24.72	Peak
2390.000	31.89	6.04	34.54	43.70	47.09	74.00	26.91	Peak
@ 2402.600	31.80	6.07	34.54	84.28	87.61	---	---	Peak

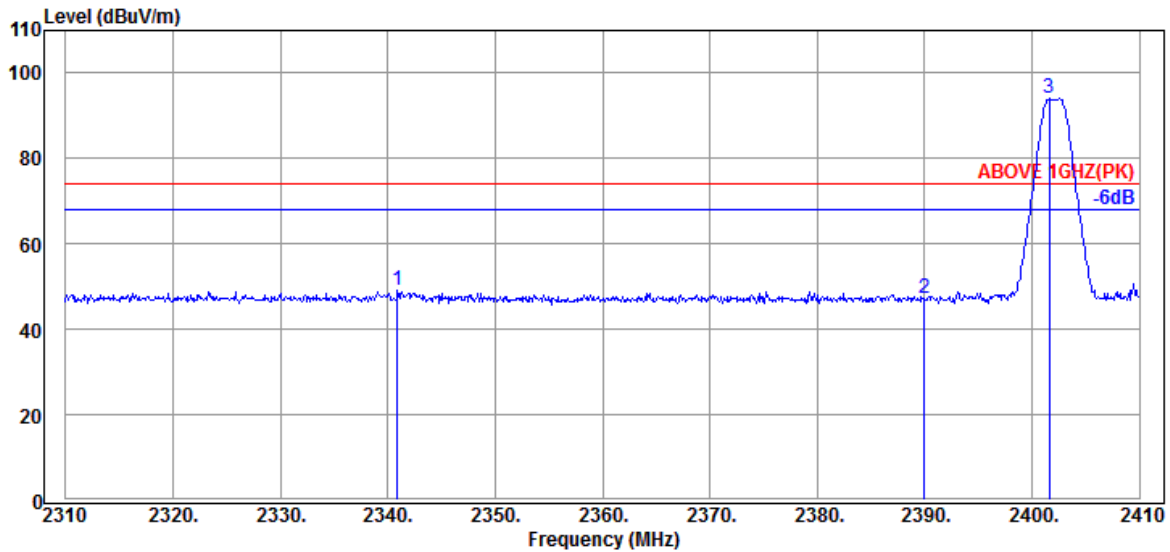


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2342.100	32.05	5.96	34.53	34.21	37.69	54.00	16.31	Average
2390.000	31.89	6.04	34.54	32.27	35.66	54.00	18.34	Average
@ 2402.000	31.80	6.04	34.54	82.57	85.87	---	---	Average

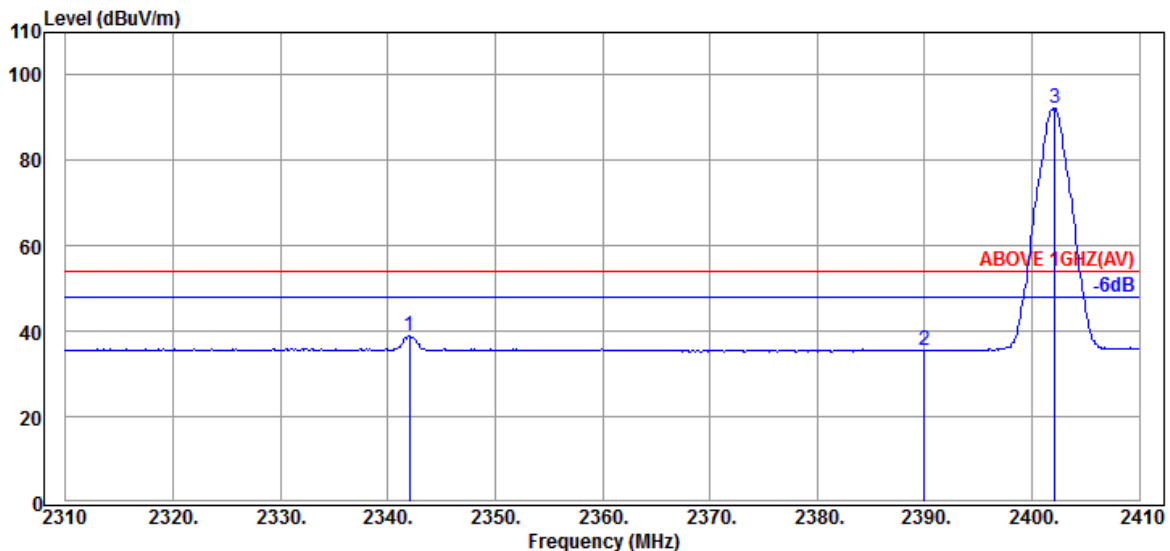
Remark: The "@" means fundamental frequency, it is ignored in this section.

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

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2340.900	32.05	5.96	34.53	45.83	49.31	74.00	24.69	Peak
2390.000	31.89	6.04	34.54	43.82	47.21	74.00	26.79	Peak
@ 2401.600	31.80	6.04	34.54	90.66	93.96	---	---	Peak

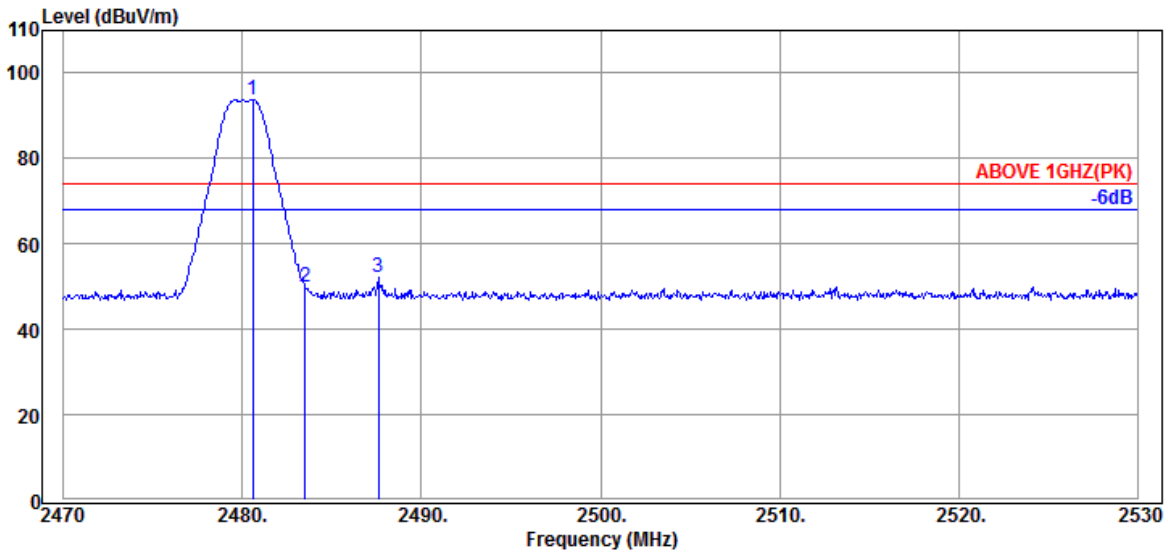


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2342.000	32.05	5.96	34.53	35.63	39.11	54.00	14.89	Average
2390.000	31.89	6.04	34.54	32.06	35.45	54.00	18.55	Average
@ 2402.100	31.80	6.04	34.54	88.83	92.13	---	---	Average

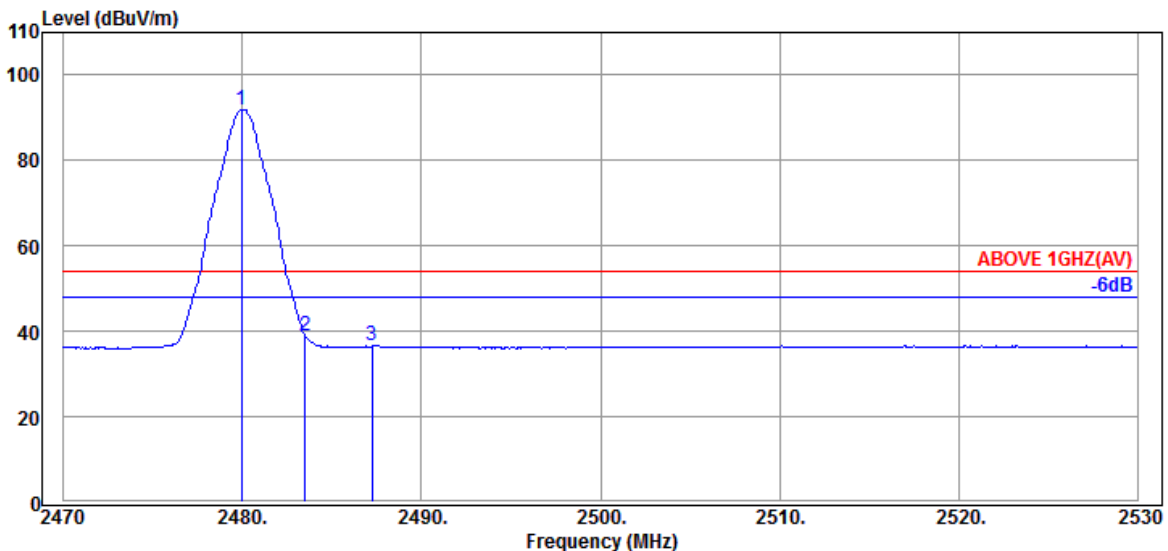
Remark: The “@” means fundamental frequency, it is ignored in this section.

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)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.560	32.30	6.18	34.55	89.81	93.74	---	---	Peak
2483.500	32.30	6.18	34.55	45.80	49.73	74.00	24.27	Peak
2487.580	32.30	6.21	34.55	48.07	52.03	74.00	21.97	Peak

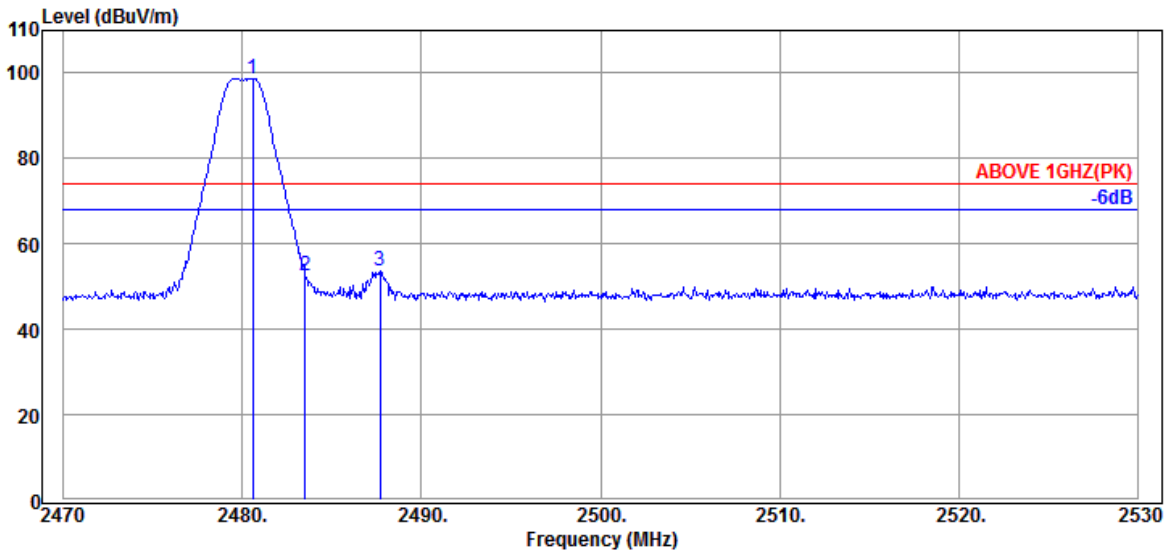


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2479.960	32.30	6.18	34.55	88.07	92.00	---	---	Average
2483.500	32.30	6.18	34.55	34.86	38.79	54.00	15.21	Average
2487.220	32.30	6.18	34.55	32.75	36.68	54.00	17.32	Average

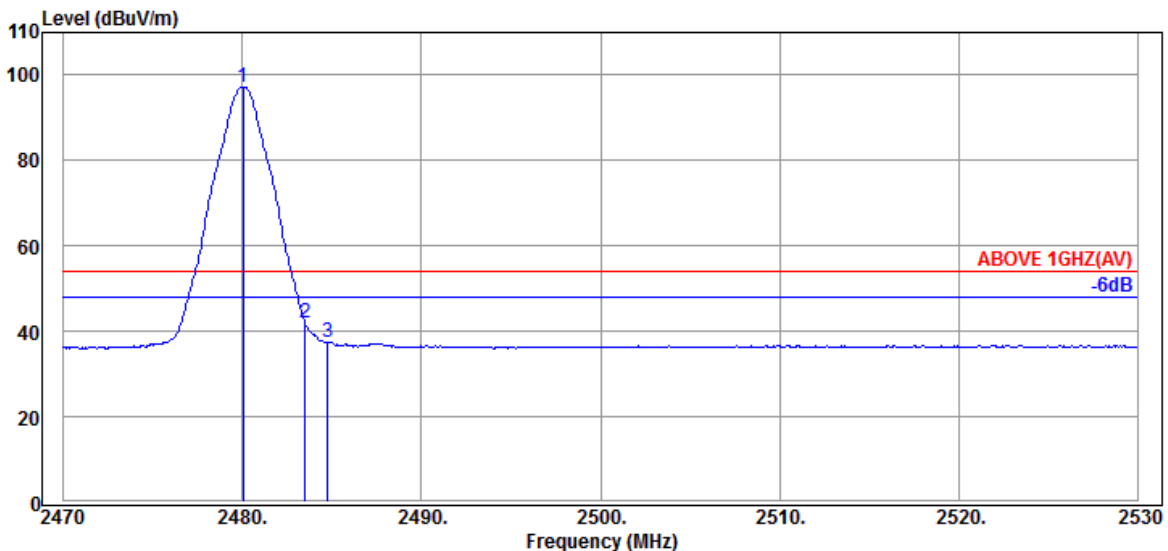
Remark: The “@” means fundamental frequency, it is ignored in this section.

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

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.560	32.30	6.18	34.55	94.91	98.84	---	---	Peak
2483.500	32.30	6.18	34.55	48.53	52.46	74.00	21.54	Peak
2487.700	32.30	6.21	34.55	49.79	53.75	74.00	20.25	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.020	32.30	6.18	34.55	93.38	97.31	---	---	Average
2483.500	32.30	6.18	34.55	38.11	42.04	54.00	11.96	Average
2484.760	32.30	6.18	34.55	33.63	37.56	54.00	16.44	Average

Remark: The "@" means fundamental frequency, it is ignored in this section..

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)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.88	8.72	34.43	33.03	41.20	54.00	12.80	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.88	8.72	34.43	34.64	42.81	54.00	11.19	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)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.88	8.72	34.43	33.58	41.75	54.00	12.25	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.88	8.72	34.43	33.29	41.46	54.00	12.54	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)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.88	8.72	34.43	32.07	40.24	54.00	13.76	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.88	8.72	34.43	34.05	42.22	54.00	11.78	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)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.88	8.72	34.43	33.31	41.48	54.00	12.52	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.88	8.72	34.43	33.53	41.70	54.00	12.30	Peak

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)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.88	8.72	34.43	32.33	40.50	54.00	13.50	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.88	8.72	34.43	33.20	41.37	54.00	12.63	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)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.88	8.72	34.43	34.05	42.22	54.00	11.78	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4884.000	33.88	8.72	34.43	34.00	42.17	54.00	11.83	Peak

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)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	33.60	8.68	34.44	33.91	41.75	54.00	12.25	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	33.60	8.68	34.44	34.11	41.95	54.00	12.05	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)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.000	33.85	8.72	34.43	33.52	41.66	54.00	12.34	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.000	33.85	8.72	34.43	34.21	42.35	54.00	11.65	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)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.83	8.77	34.41	33.46	41.65	54.00	12.35	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.83	8.77	34.41	33.37	41.56	54.00	12.44	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) general radiated emissions limits is not required.

A.3 DTS/OCCUPIED BANDWIDTH

Test Date	2021/12/27 ~ 29, 2022/02/21	Temp./Hum.	14~16°C/64~70%
Cable Loss	0.5dB	Tested By	Kuper Hsu
Test Voltage	AC 120V, 60Hz (via AC Adapter)		

A.3.1 DTS/Occupied Bandwidth Result

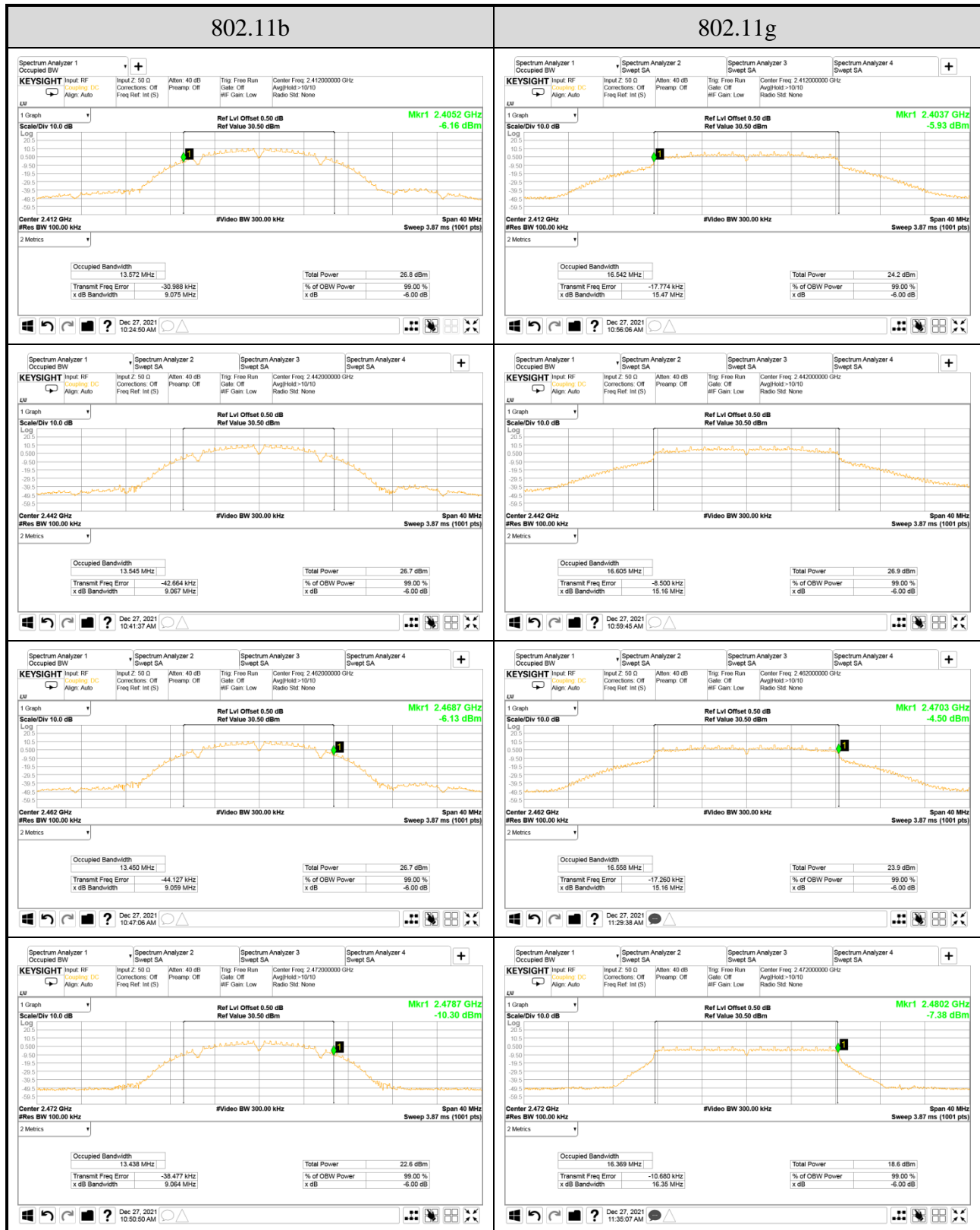
Mode	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
802.11b	2412	9.075	13.487	>500kHz
	2442	9.067	13.450	
	2462	9.059	13.467	
	2472	9.064	13.367	
802.11g	2412	15.47	17.110	
	2442	15.16	17.095	
	2462	15.16	17.059	
	2472	16.35	16.586	
802.11n-HT20	2412	16.29	17.977	
	2442	15.70	17.909	
	2462	15.16	17.869	
	2472	17.61	17.663	
802.11n-HT40	2422	35.08	35.959	
	2442	35.13	36.004	
	2452	35.08	36.000	
	2462	36.39	36.257	
802.11ax-HE20	2412	16.97	19.018	
	2442	17.52	19.038	
	2462	15.10	18.995	
	2472	17.75	18.986	
802.11ax-HE40	2422	35.98	37.540	
	2442	35.43	37.575	
	2452	35.10	37.539	
	2462	37.56	37.650	

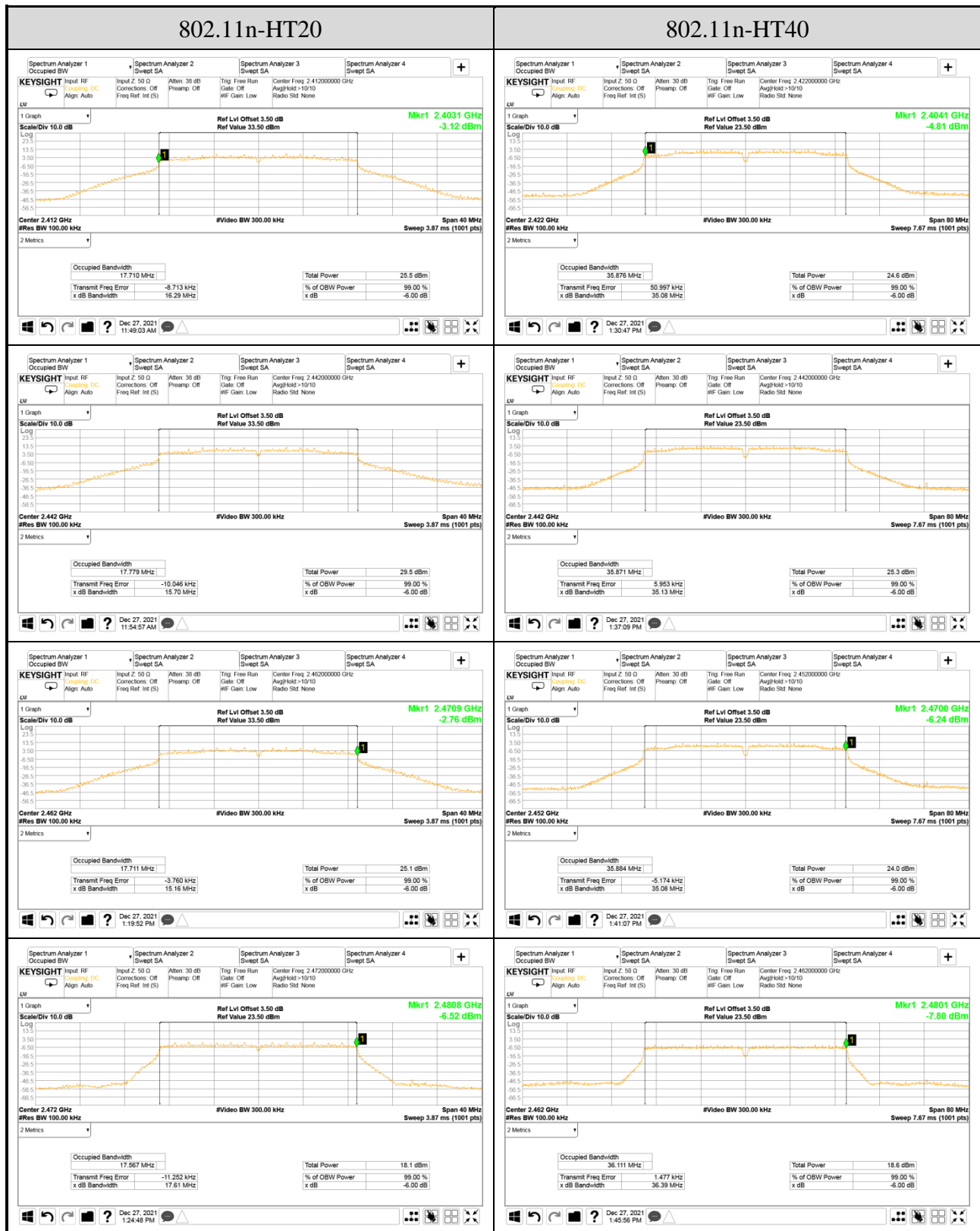
Mode	RU Configuration	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
802.11ax-HE20	26/0	2412	3.235	18.880	>500kHz
	52/37		17.04	18.650	
	106/53		17.17	18.428	
	26/8	2472	1.985	18.281	
	52/40		16.96	18.151	
	106/54		17.01	18.122	
802.11ax-HE40	242/61	2422	13.93	19.044	>500kHz
	242/62	2462	18.38	18.800	

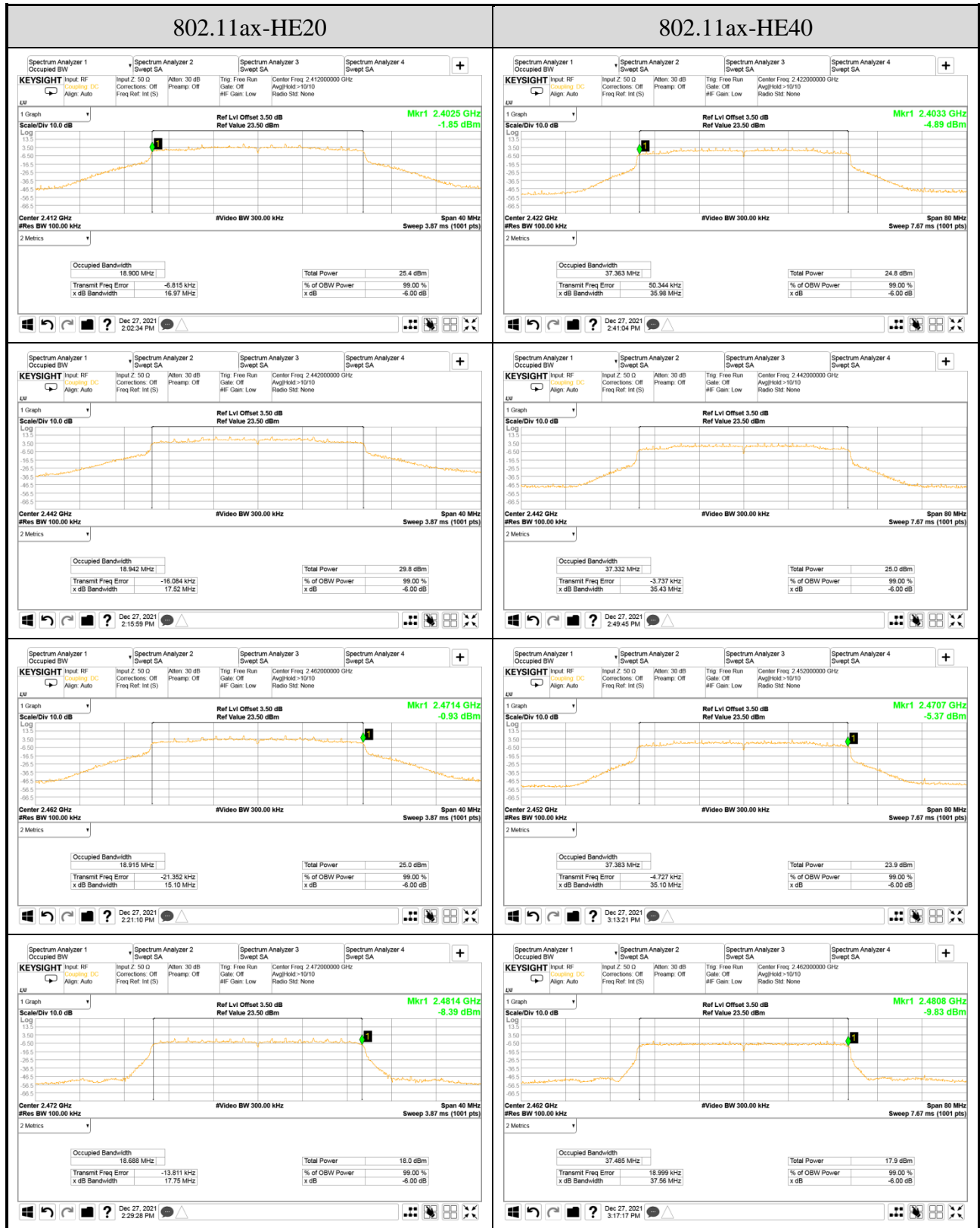
Mode	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
BLE (1M)	2402	0.6713	1.0604	>500kHz
	2440	0.6785	1.0602	
	2480	0.6848	1.0592	
BLE (2M)	2402	1.126	2.0583	>500kHz
	2440	1.138	2.0567	
	2480	1.154	2.0543	
BLE (PHY Coded S2)	2402	0.6761	1.0724	>500kHz
	2440	0.6671	1.0690	
	2480	0.6858	1.0688	
BLE (PHY Coded S8)	2402	0.6086	1.0579	>500kHz
	2440	0.6105	1.0516	
	2480	0.6137	1.0516	

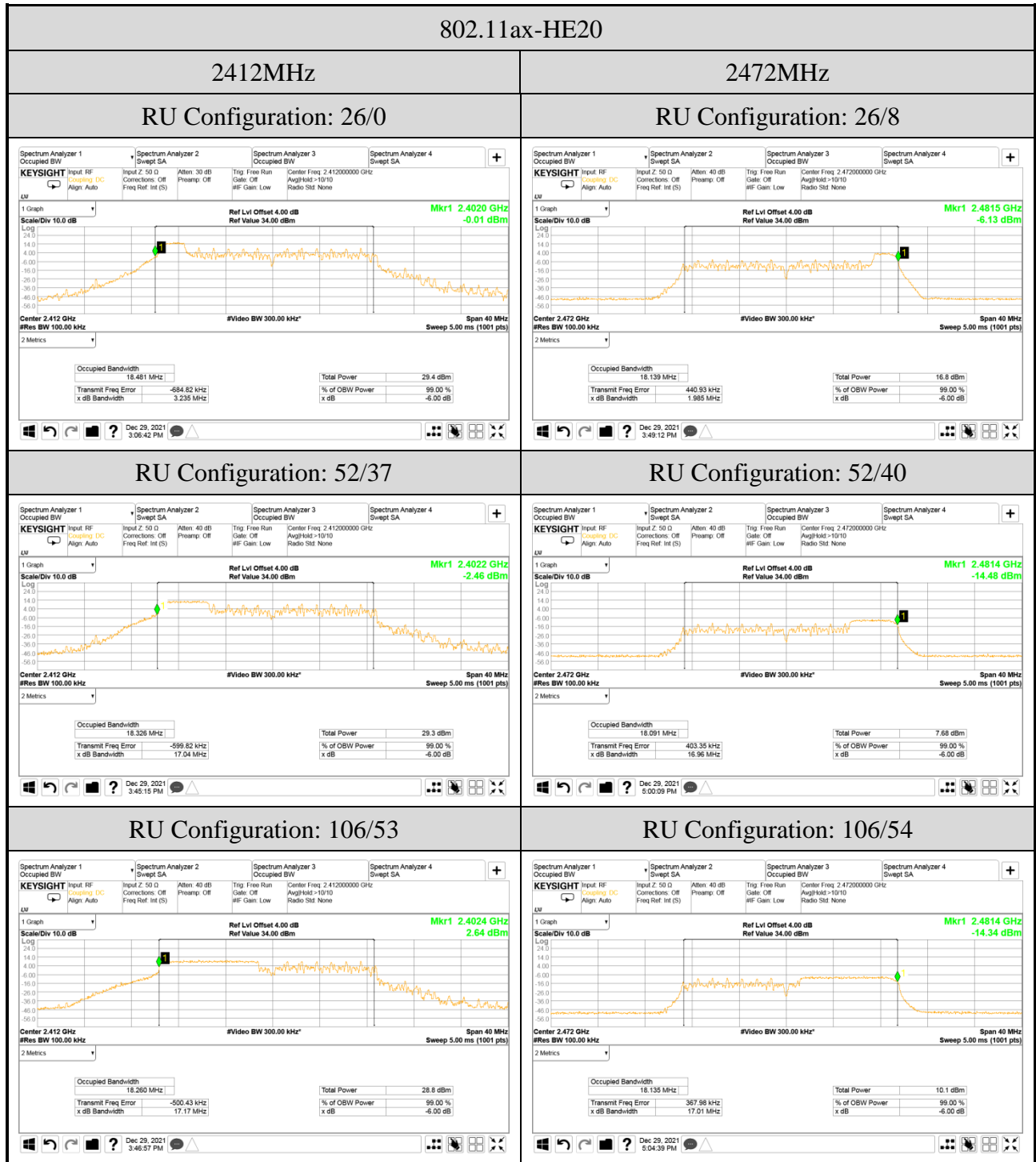
A.3.2 Measurement Plots

● DTS (6dB) Bandwidth



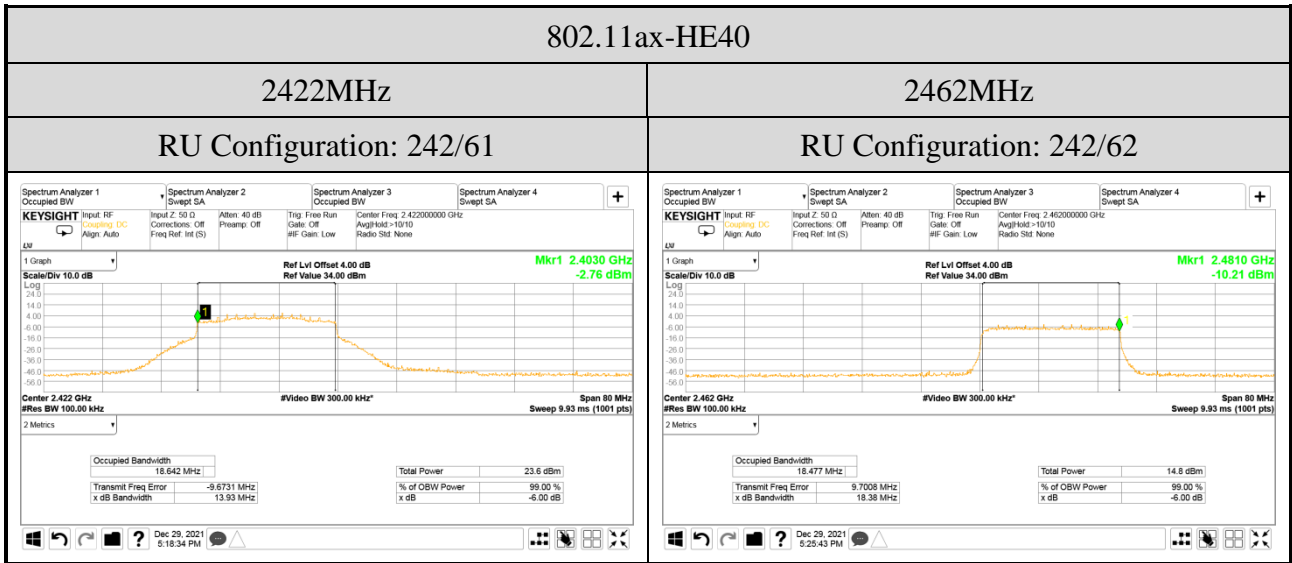


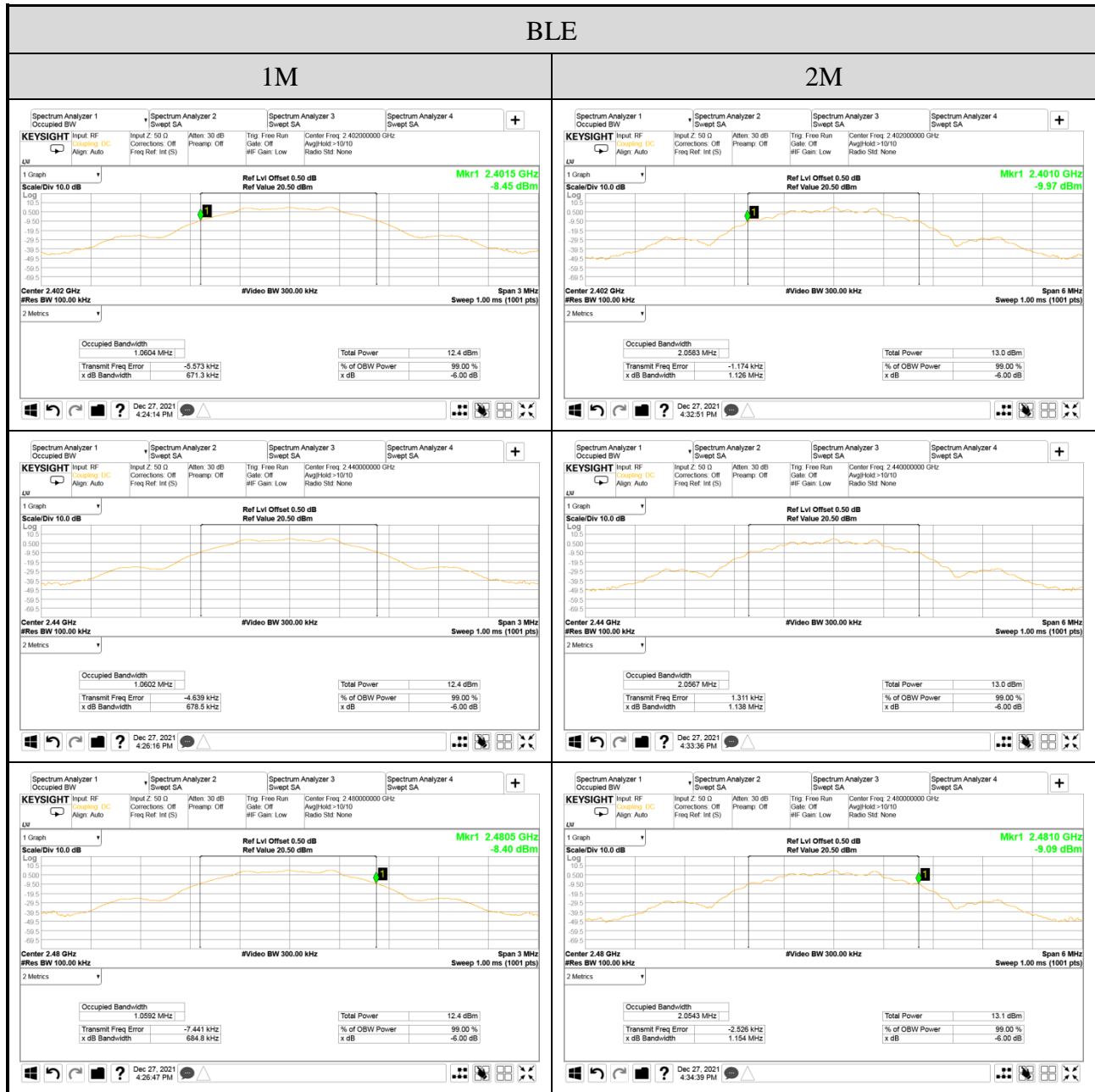


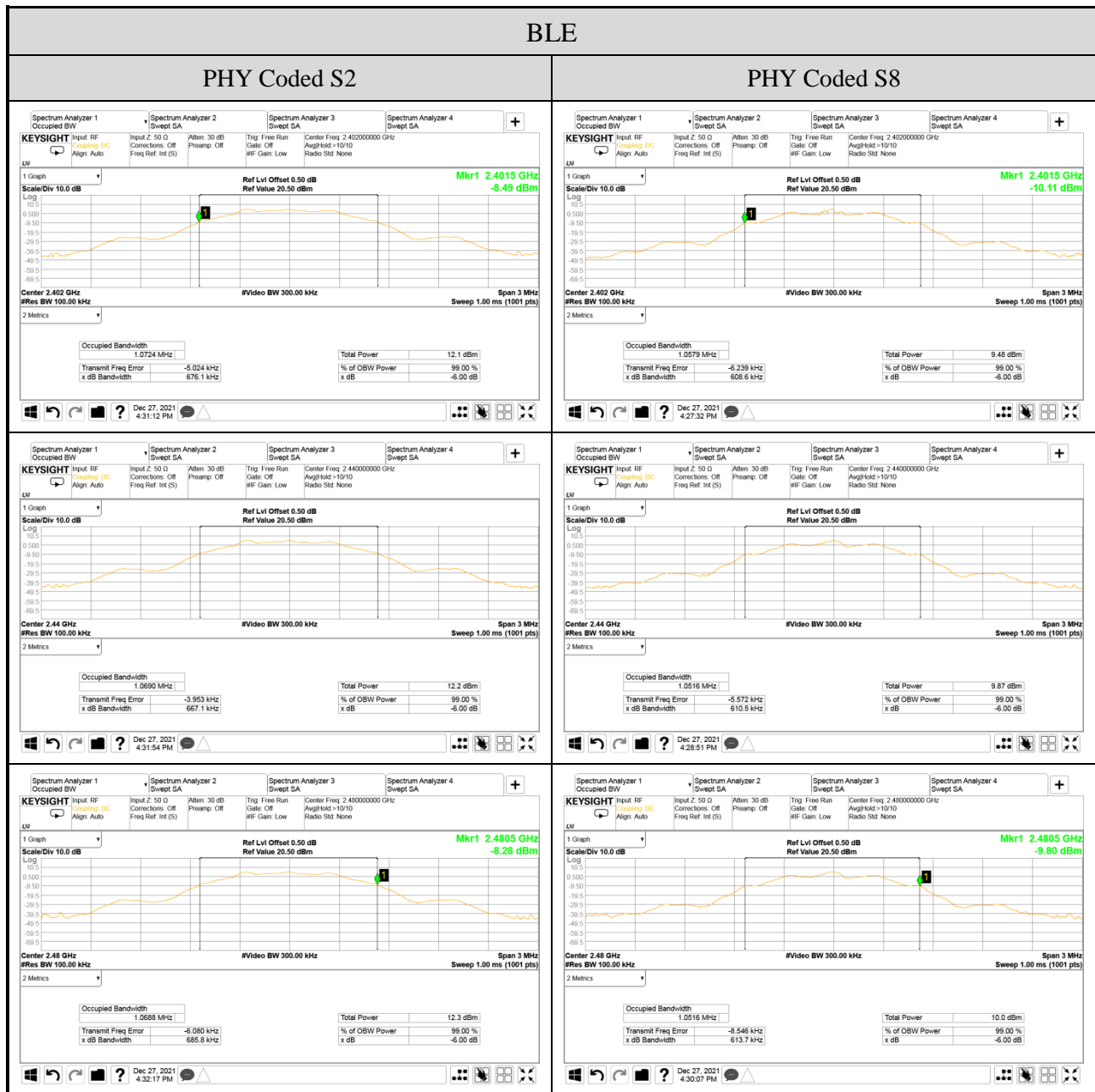


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● Occupied (99%) Bandwidth

