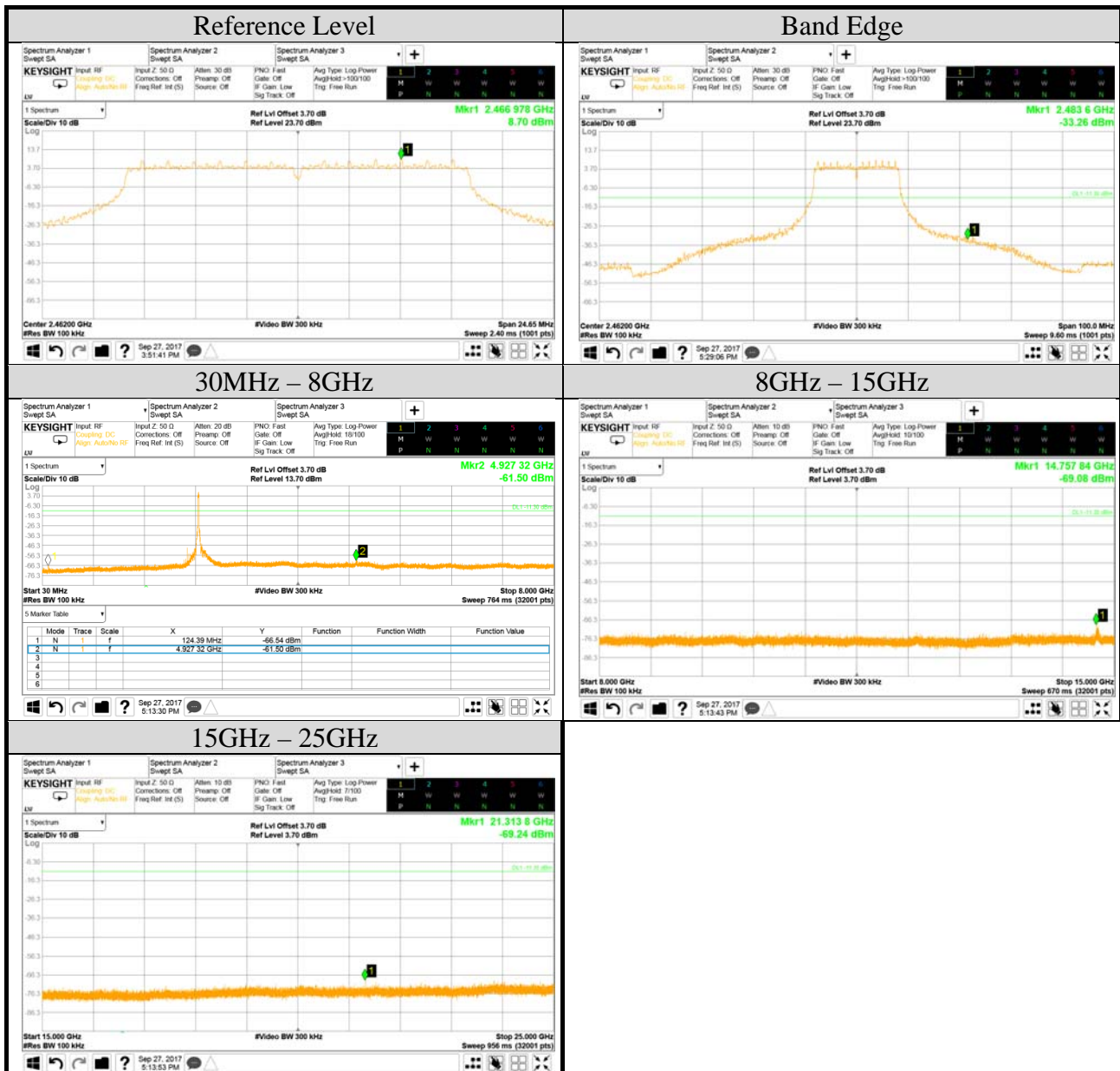


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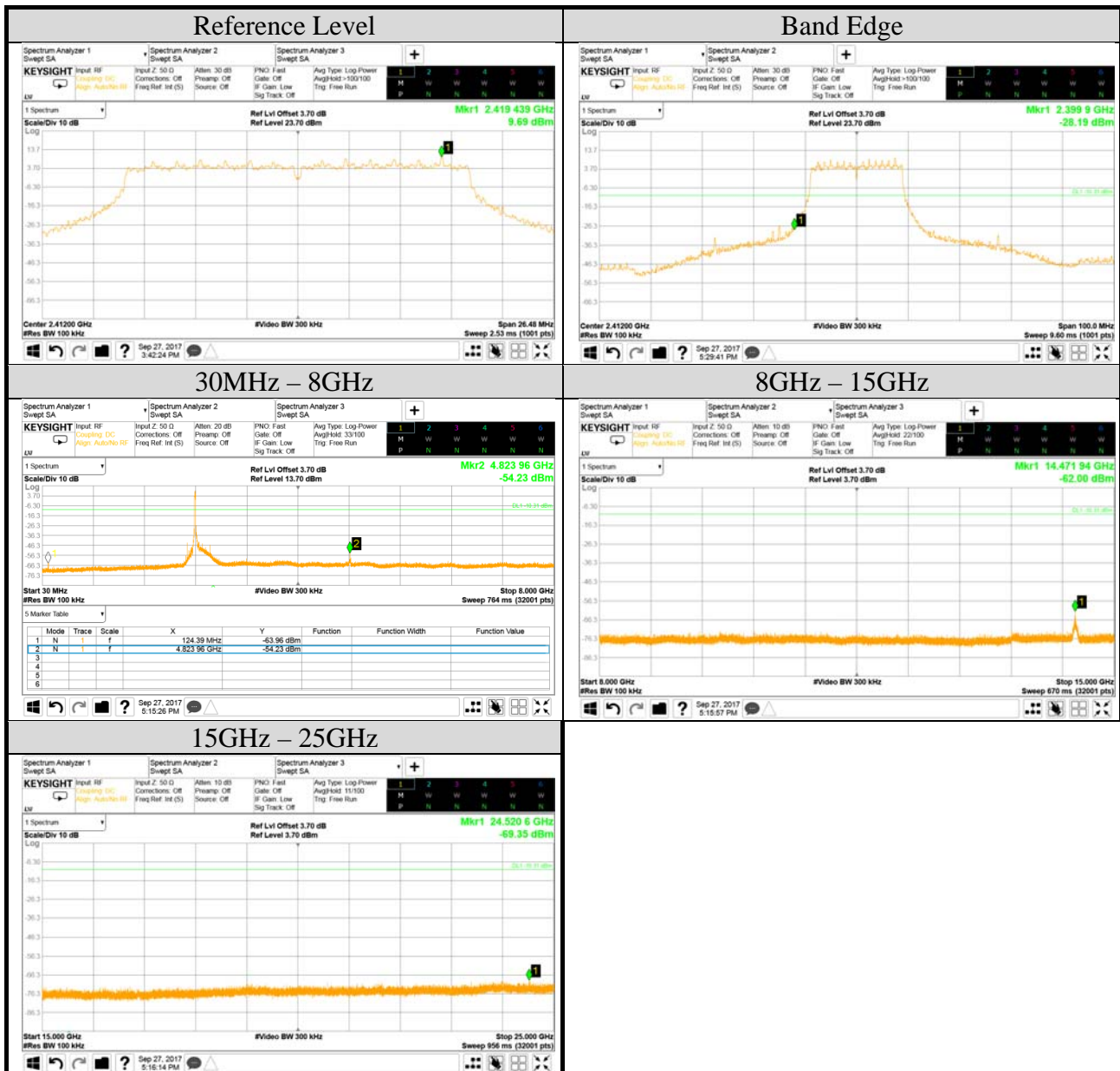
Test Date	2017/09/27	Temp./Hum.	23°C/55%
Cable Loss	0.7dB	Test Voltage	DC 3.3V (through jig via Notebook PC)
Mode	802.11g	Frequency	TX 2462MHz
Simultaneous Factor	10 log(n) (Note: "n" is antenna number)		3



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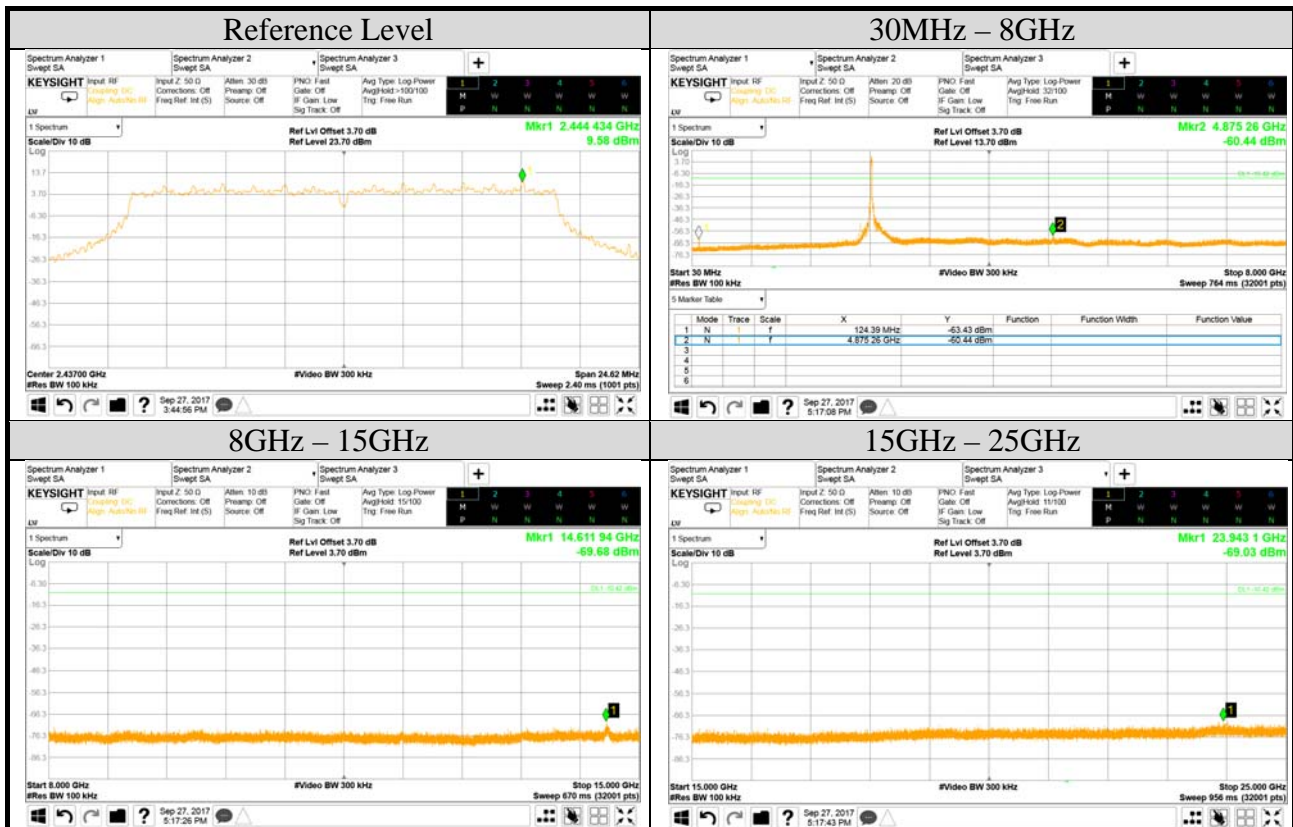
Test Date	2017/09/27	Temp./Hum.	23°C/55%
Cable Loss	0.7dB	Test Voltage	DC 3.3V (through jig via Notebook PC)
Mode	802.11n-HT20	Frequency	TX 2412MHz
Simultaneous Factor 10 log(n) (Note: "n" is antenna number)			3



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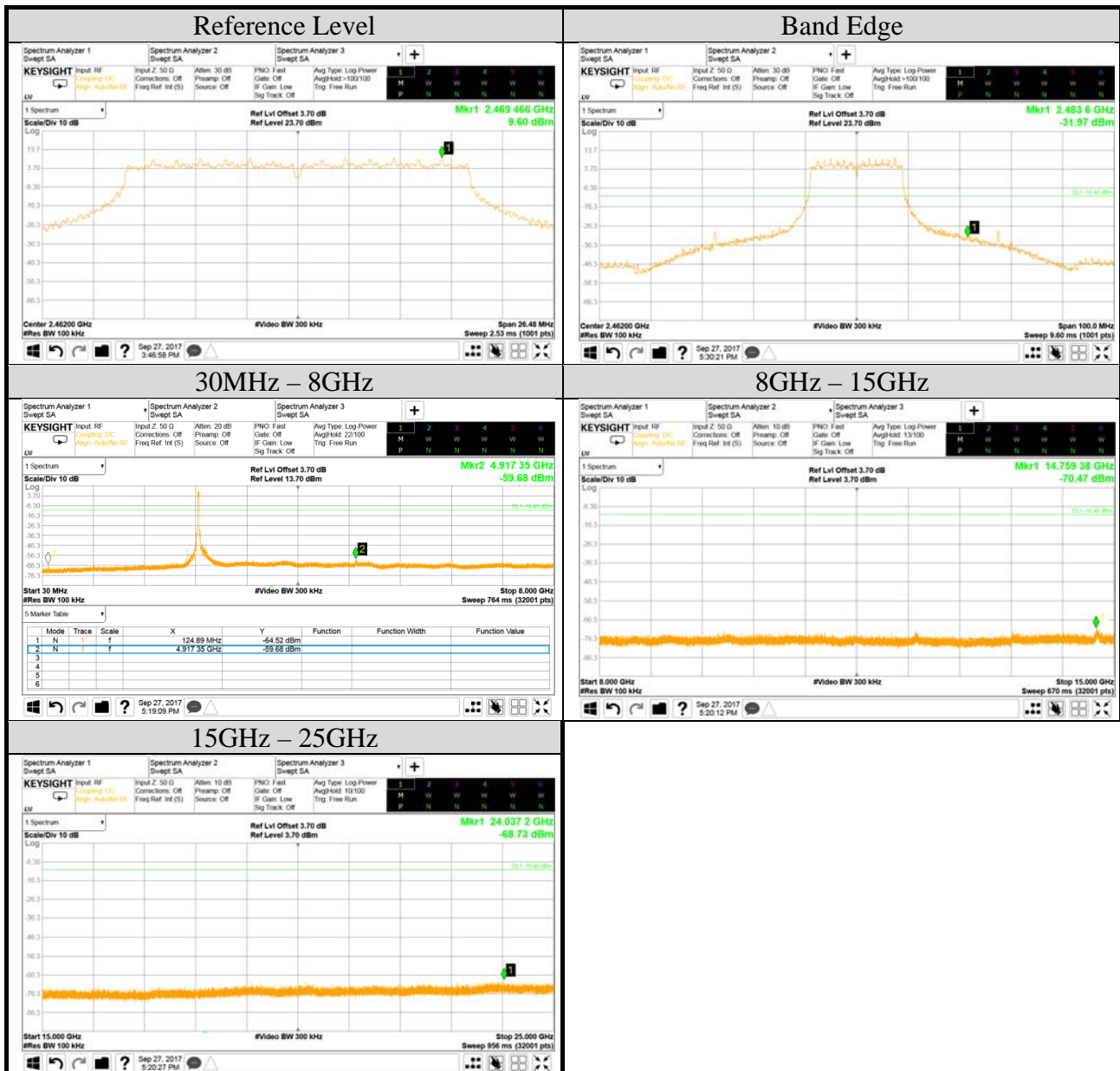
Test Date	2017/09/27	Temp./Hum.	23°C/55%
Cable Loss	0.7dB	Test Voltage	DC 3.3V (through jig via Notebook PC)
Mode	802.11n-HT20	Frequency	TX 2437MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			3



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Test Date	2017/09/27	Temp./Hum.	23°C/55%
Cable Loss	0.7dB	Test Voltage	DC 3.3V (through jig via Notebook PC)
Mode	802.11n-HT20	Frequency	TX 2462MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			3

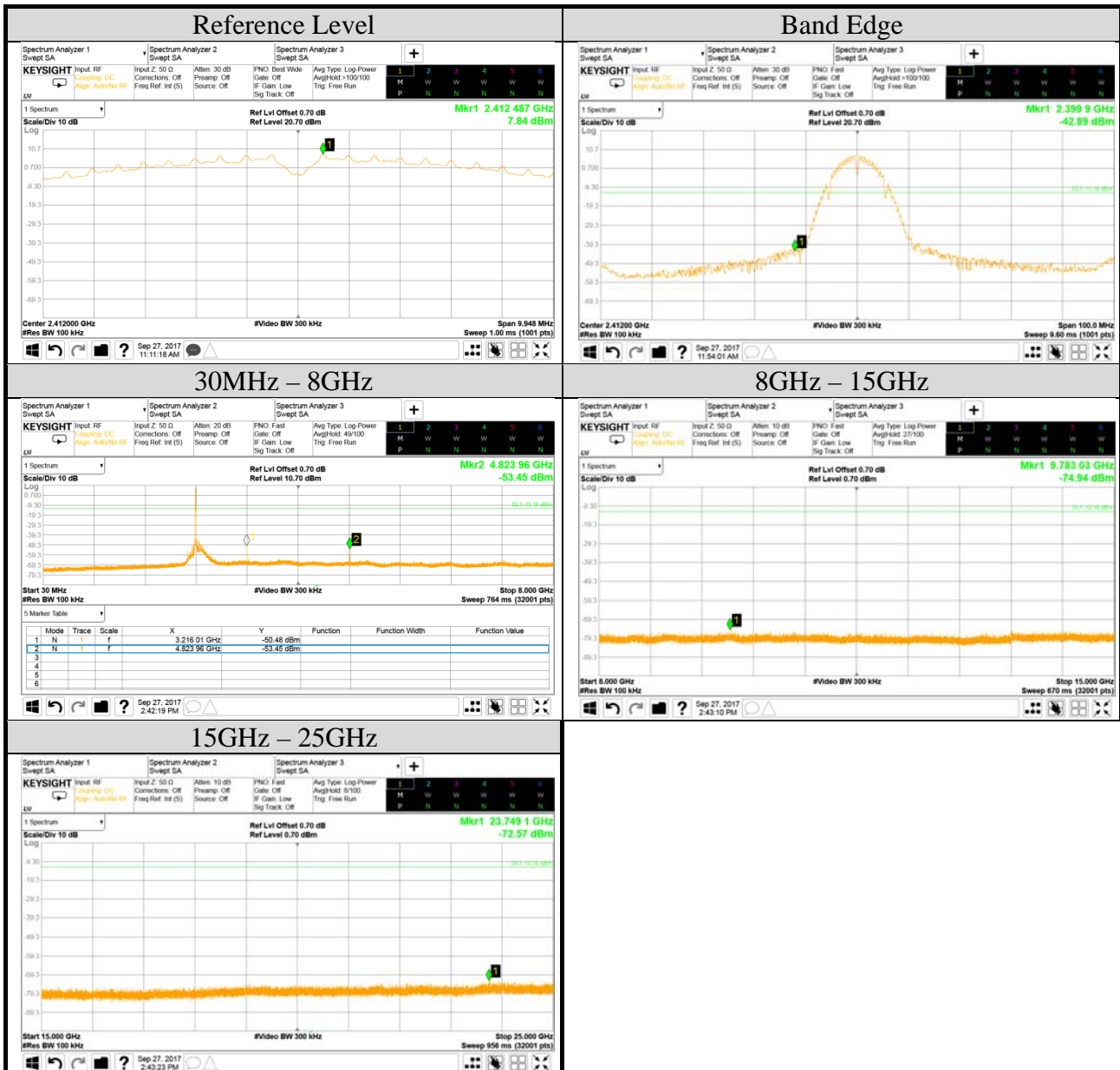


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● Antenna: Omni-S Antenna

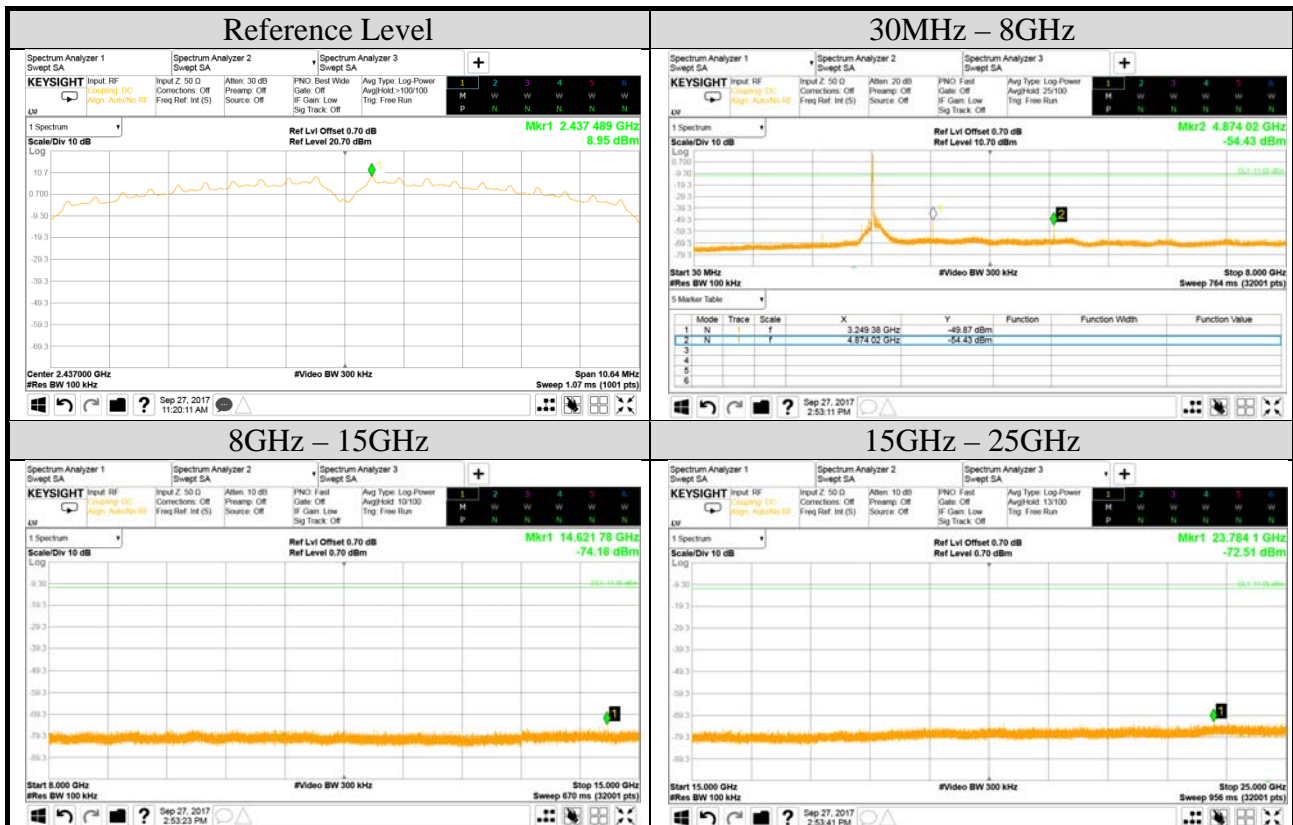
Test Date	2017/09/27	Temp./Hum.	23°C/55%
Cable Loss	0.7dB	Test Voltage	DC 3.3V (through jig via Notebook PC)
Mode	802.11b	Frequency	TX 2412MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)	0		



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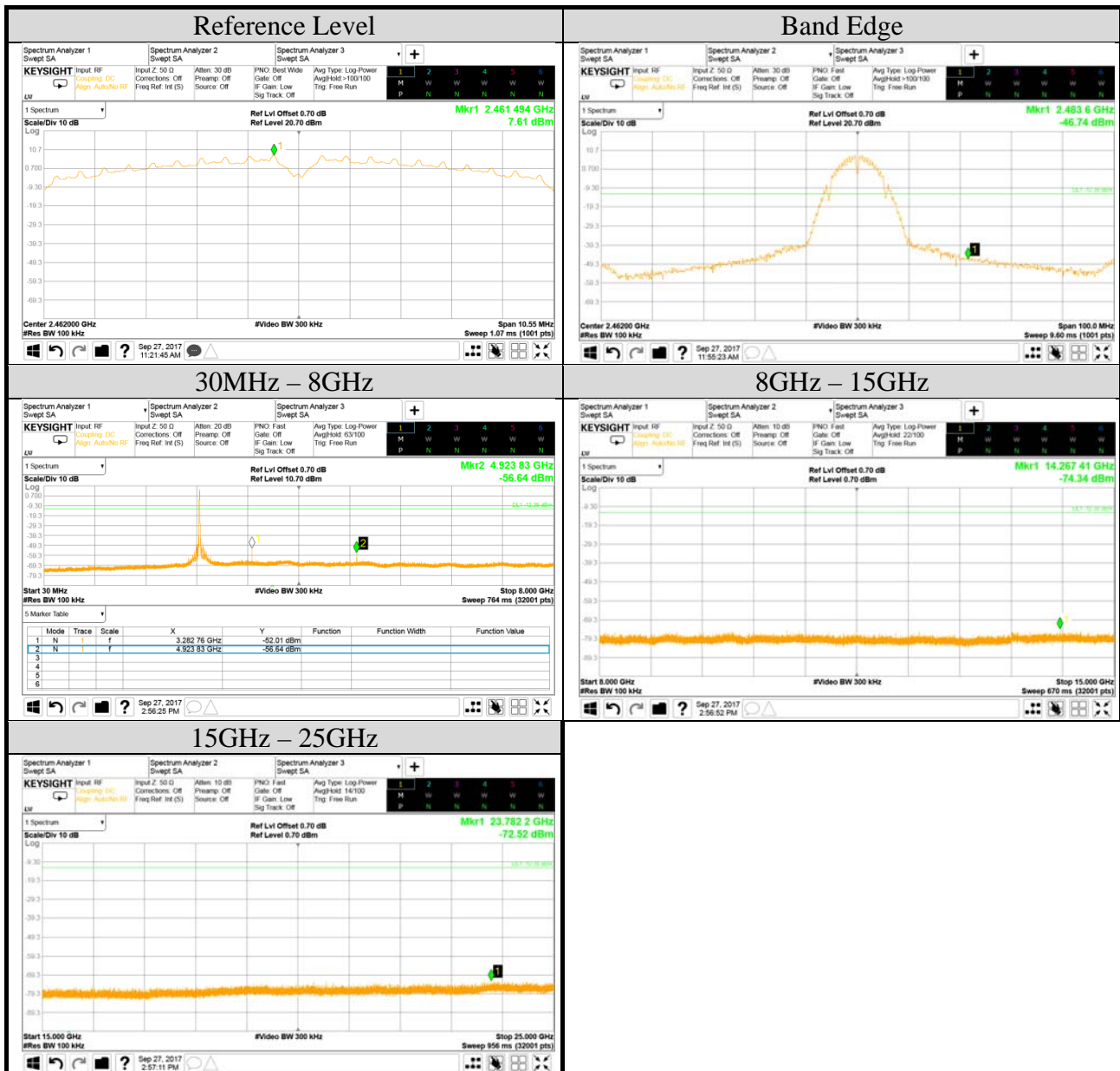
Test Date	2017/09/27	Temp./Hum.	23°C/55%
Cable Loss	0.7dB	Test Voltage	DC 3.3V (through jig via Notebook PC)
Mode	802.11b	Frequency	TX 2437MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0



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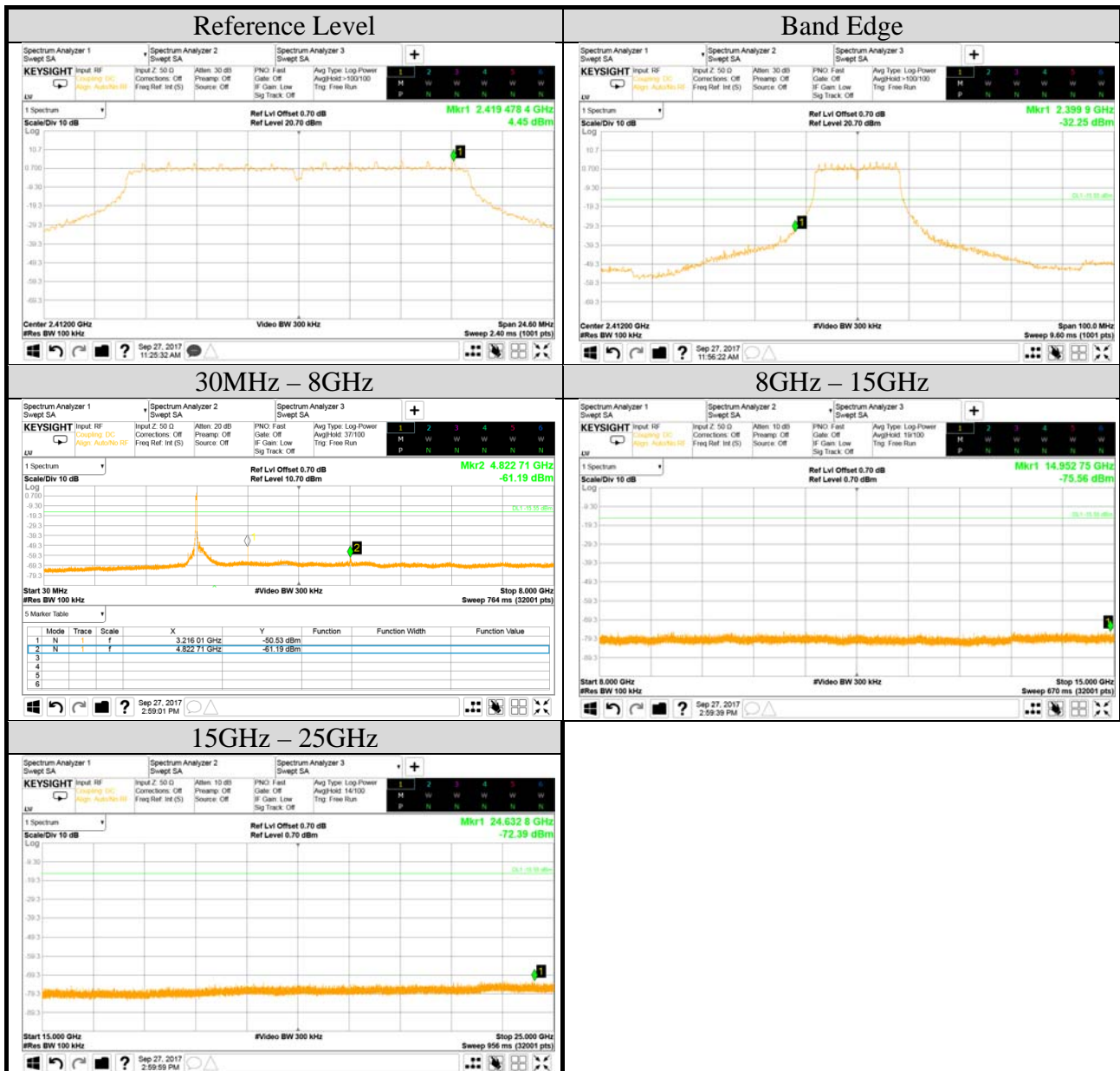
Test Date	2017/09/27	Temp./Hum.	23°C/55%
Cable Loss	0.7dB	Test Voltage	DC 3.3V (through jig via Notebook PC)
Mode	802.11b	Frequency	TX 2462MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0



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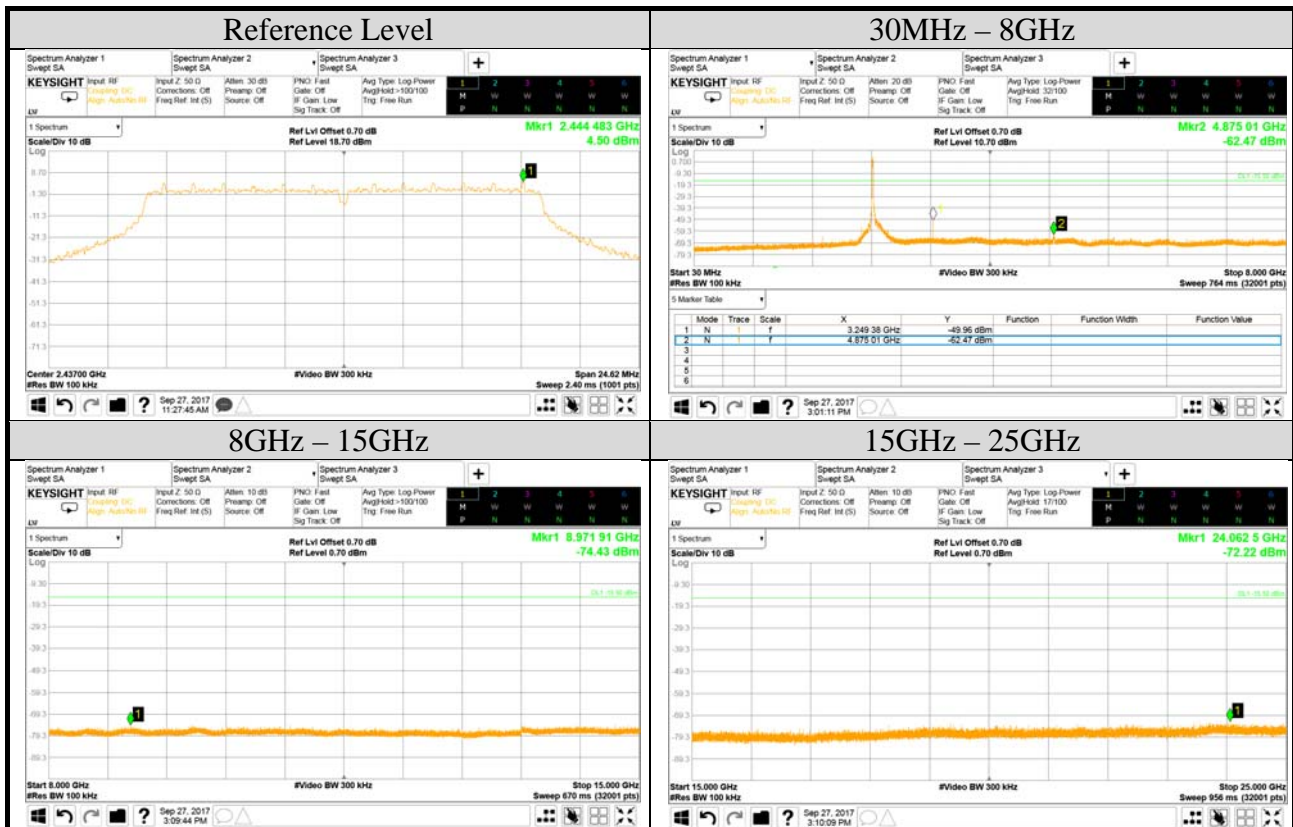
Test Date	2017/09/27	Temp./Hum.	23°C/55%
Cable Loss	0.7dB	Test Voltage	DC 3.3V (through jig via Notebook PC)
Mode	802.11g	Frequency	TX 2412MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0



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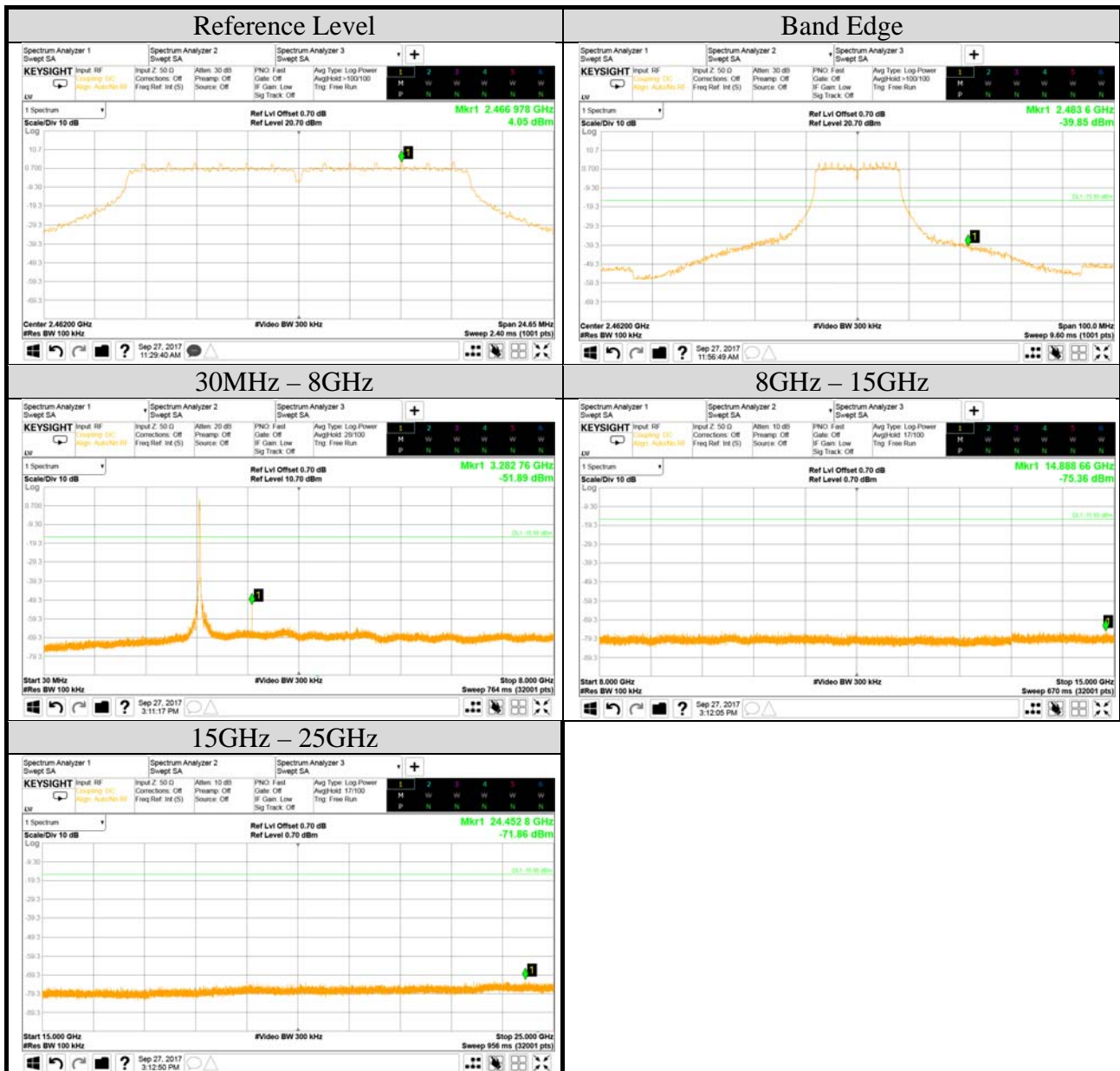
Test Date	2017/09/27	Temp./Hum.	23°C/55%
Cable Loss	0.7dB	Test Voltage	DC 3.3V (through jig via Notebook PC)
Mode	802.11g	Frequency	TX 2437MHz
Simultaneous Factor 10 log(n) (Note: "n" is antenna number)		0	



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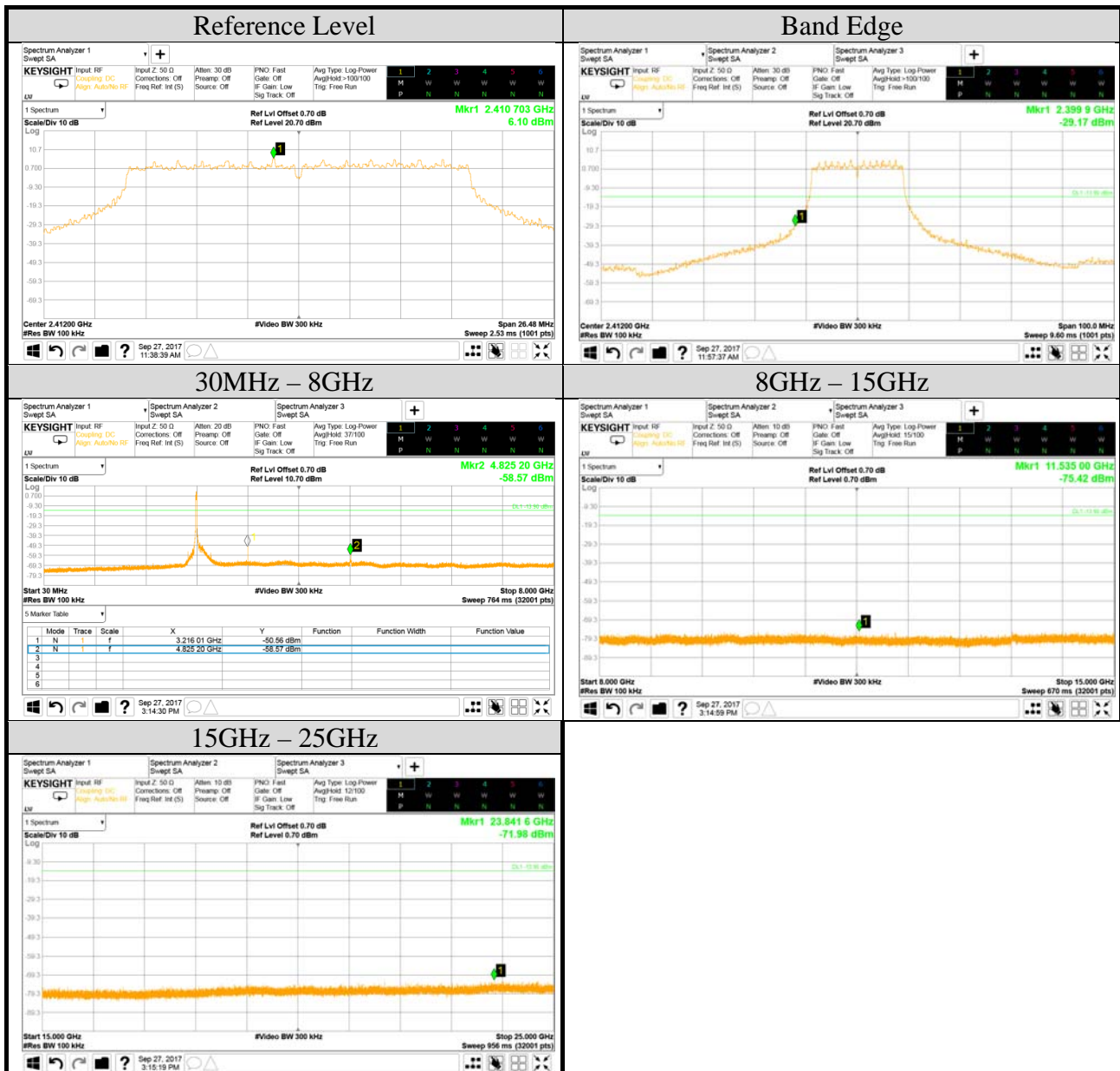
Test Date	2017/09/27	Temp./Hum.	23°C/55%
Cable Loss	0.7dB	Test Voltage	DC 3.3V (through jig via Notebook PC)
Mode	802.11g	Frequency	TX 2462MHz
Simultaneous Factor 10 log(n) (Note: "n" is antenna number)		0	



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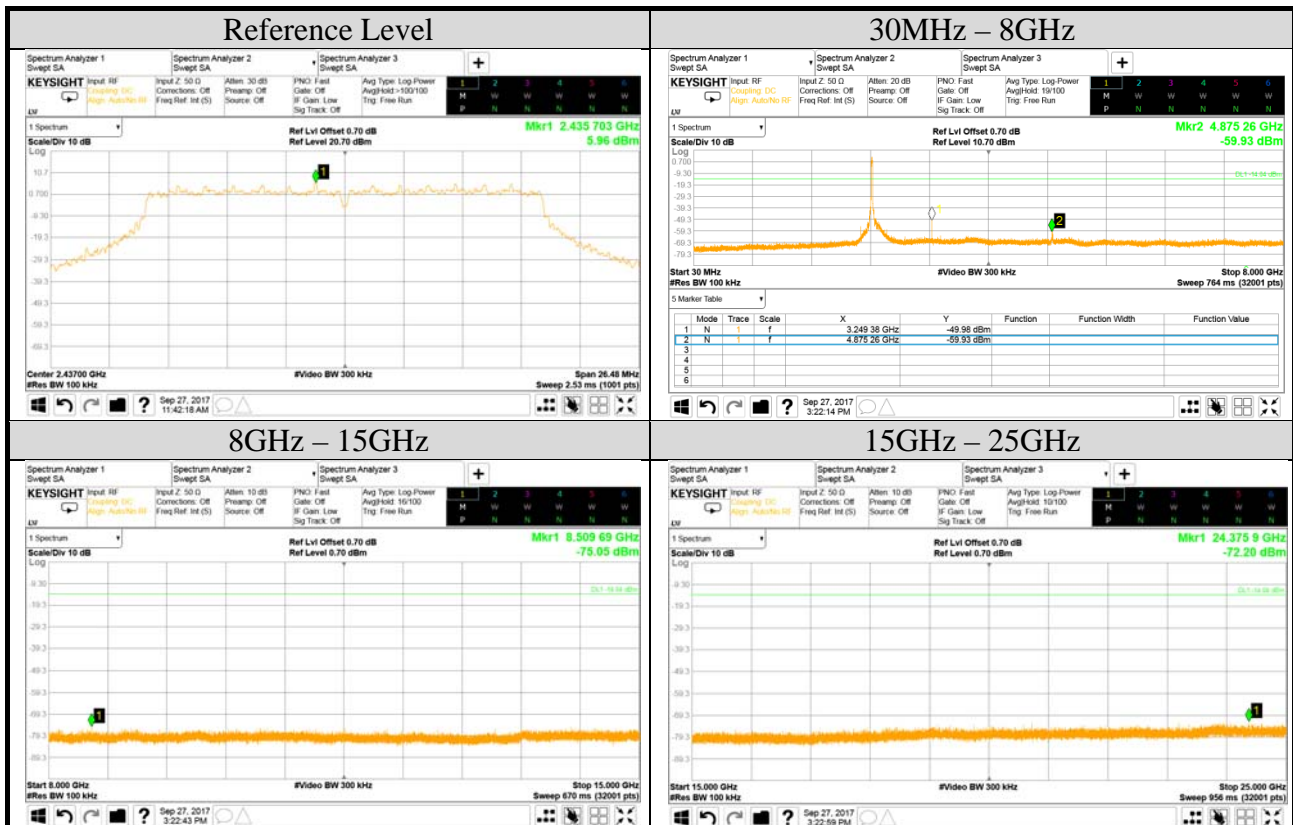
Test Date	2017/09/27	Temp./Hum.	23°C/55%
Cable Loss	0.7dB	Test Voltage	DC 3.3V (through jig via Notebook PC)
Mode	802.11n-HT20	Frequency	TX 2412MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)		0	



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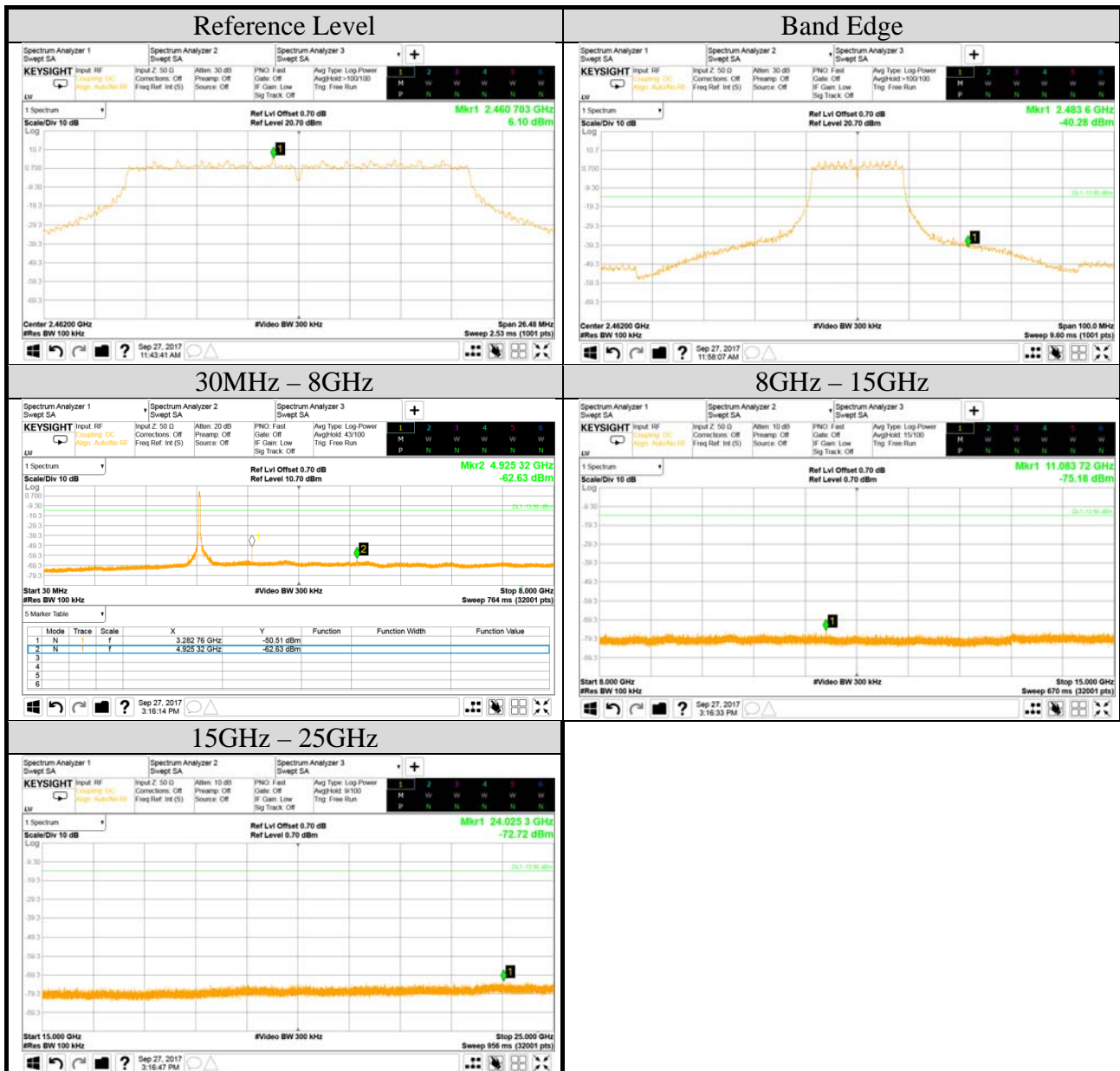
Test Date	2017/09/27	Temp./Hum.	23°C/55%
Cable Loss	0.7dB	Test Voltage	DC 3.3V (through jig via Notebook PC)
Mode	802.11n-HT20	Frequency	TX 2437MHz
Simultaneous Factor10 log(n) (Note: "n" is antenna number)			0



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Test Date	2017/09/27	Temp./Hum.	23°C/55%
Cable Loss	0.7dB	Test Voltage	DC 3.3V (through jig via Notebook PC)
Mode	802.11n-HT20	Frequency	TX 2462MHz
Simultaneous Factor	10 log(n) (Note: "n" is antenna number)		0



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A.6 POWER SPECTRAL DENSITY

Test Date	2017/10/06~26	Temp./Hum.	23~24°C/55~56%
Cable Loss	0.7dB	Test Voltage	DC 3.3V (through jig via Notebook PC)
Simultaneous Factor 10 log(n) (Note: "n" is antenna number)			3 for PCB Antenna, 0 for Omni-S Antenna

A.6.1 Power Spectral Density Result

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE	2402	5.69	< 8 dBm/3kHz
	2440	6.18	
	2480	6.18	

● Antenna: Omni-S Antenna

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11b	2412	-6.01	< 8 dBm/3kHz
	2437	-4.93	
	2462	-6.07	
802.11g	2412	-11.84	
	2437	-8.17	
	2462	-14.14	
802.11n-HT20	2412	-13.39	
	2437	-8.25	
	2462	-14.28	

● Antenna: PCB Antenna

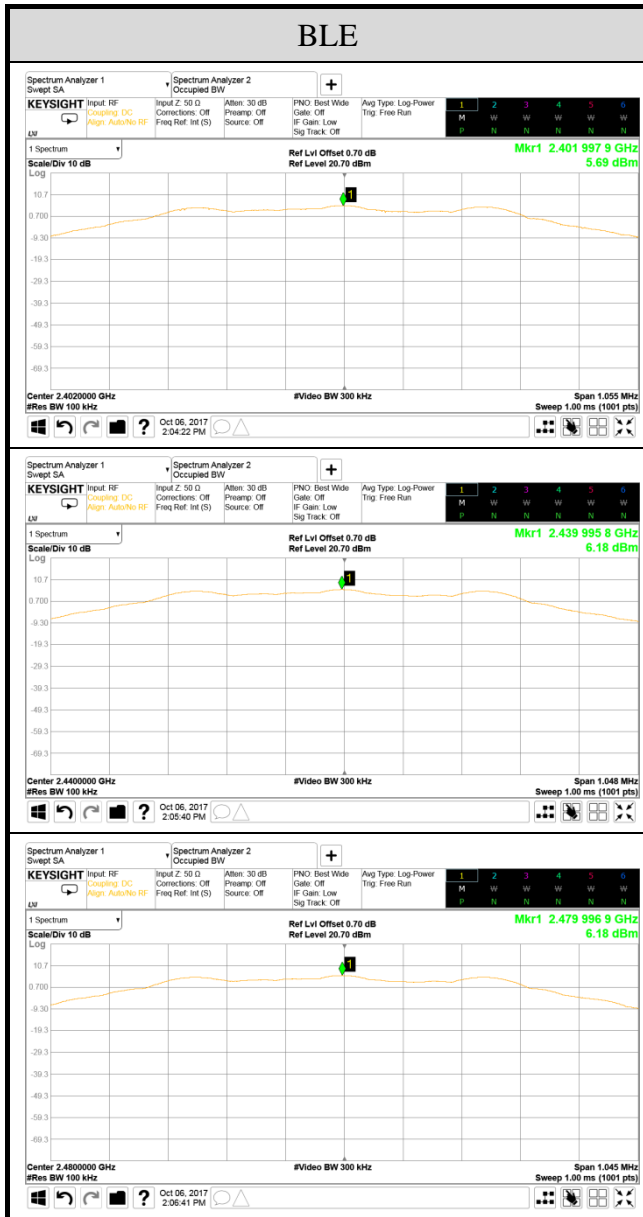
Mode	Centre Frequency (MHz)	Omni-S Antenna Power Spectral Density (dBm)	Simultaneous Factor for PCB antenna	PCB Antenna Power Spectral Density (dBm)	Limit
802.11b	2412	-6.01	3	-3.01	< 8 dBm/3kHz
	2437	-4.93	3	-1.93	
	2462	-6.07	3	-3.07	
802.11g	2412	-11.84	3	-8.84	
	2437	-8.17	3	-5.17	
	2462	-14.14	3	-11.14	
802.11n-HT20	2412	-13.39	3	-10.39	
	2437	-8.25	3	-5.25	
	2462	-14.28	3	-11.28	

Note: All results have been included cable loss and Simultaneous Factor.

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A.6.2 Measurement Plots

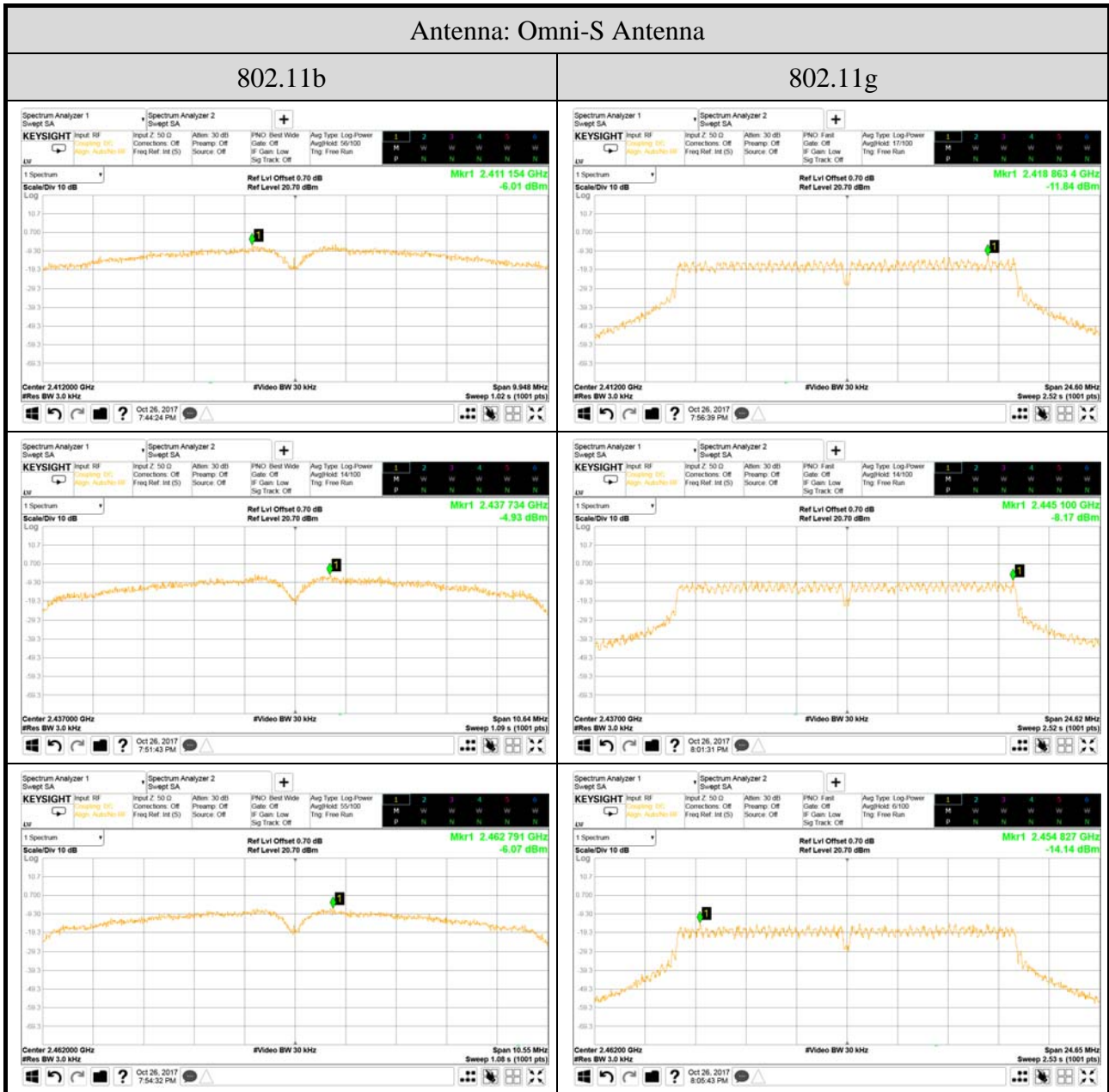


Note: All results have been included cable loss and Simultaneous Factor.

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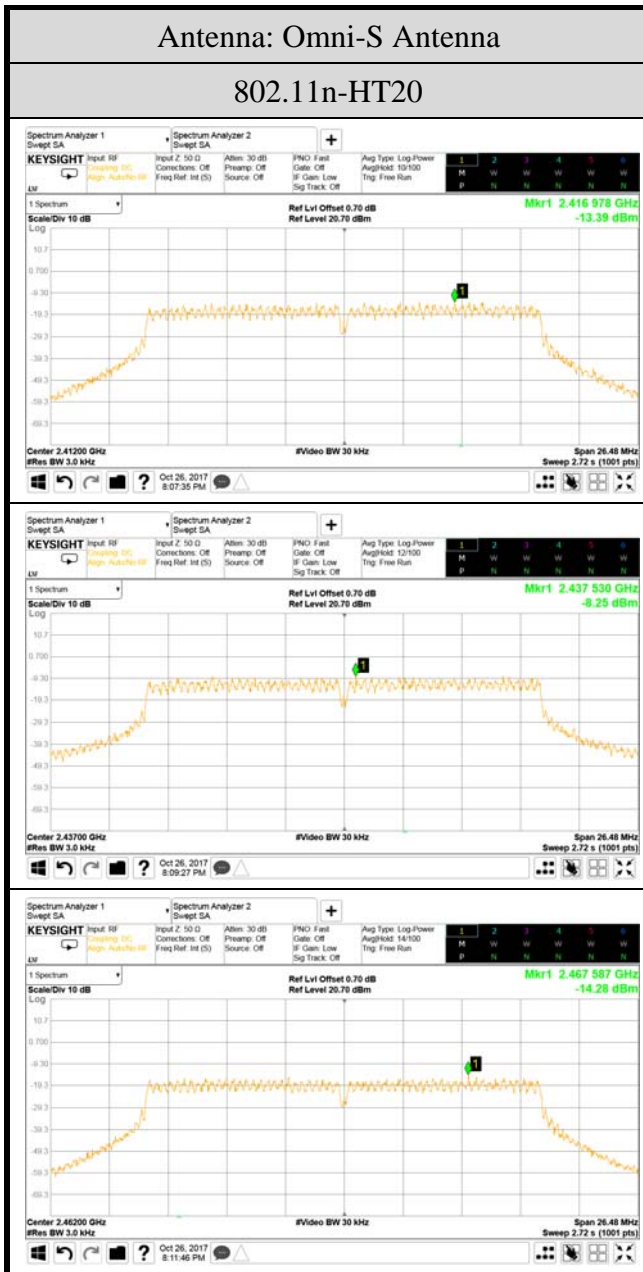
● Antenna: Omni-S Antenna



Note: All results have been included cable loss and Simultaneous Factor.

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Note: All results have been included cable loss and Simultaneous Factor.



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APPENDIX B

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APPENDIX B

TEST PHOTOGRAPHS

(Model: M2SD50NBT)