

Appendix B: Test Results of Bluetooth BR & EDR

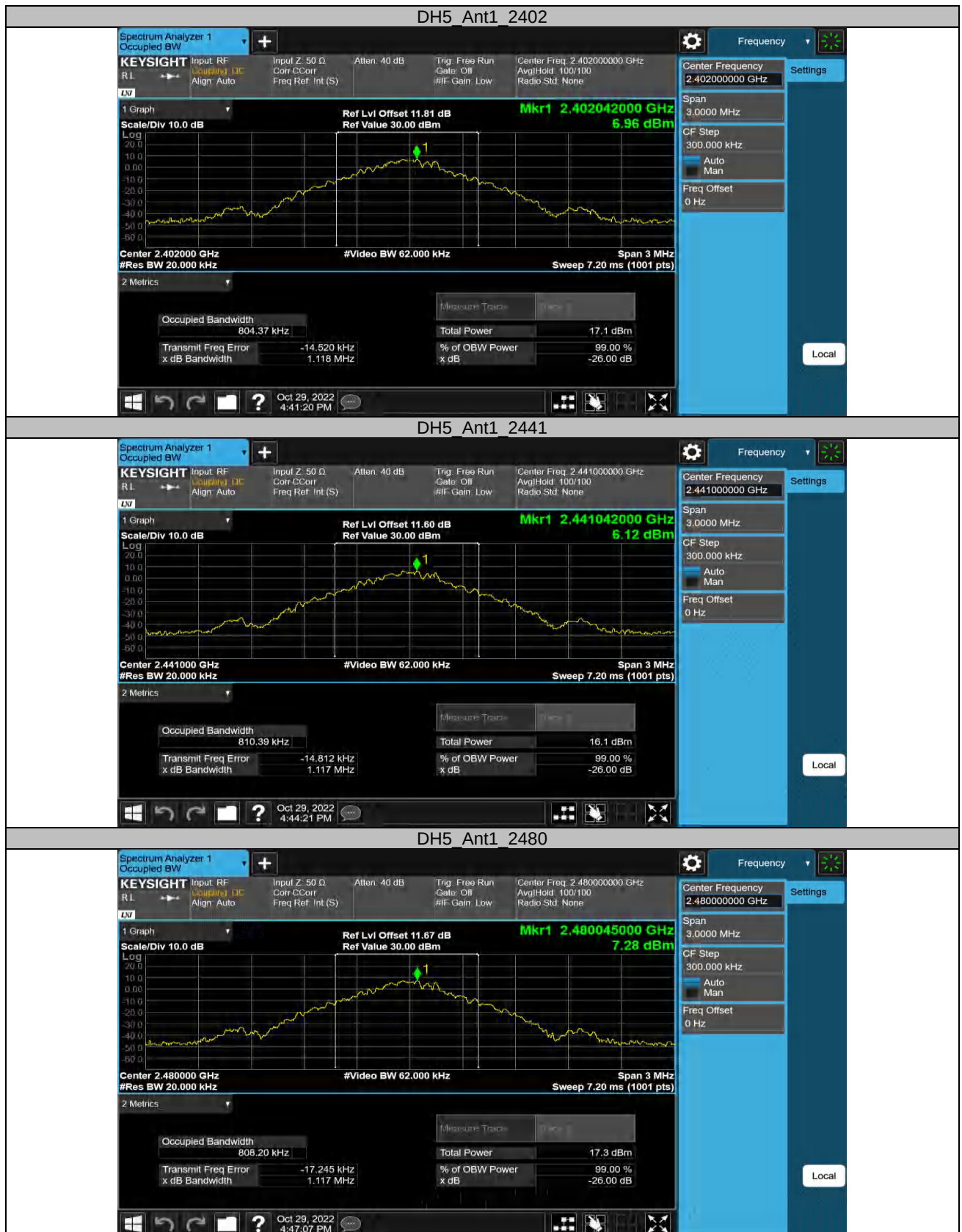
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Appendix B.1: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.80437	2401.5833	2402.3877	---	PASS
		2441	0.81039	2440.5800	2441.3904	---	PASS
		2480	0.80820	2479.5787	2480.3869	---	PASS
3DH5	Ant1	2402	1.1966	2401.3817	2402.5783	---	PASS
		2441	1.1838	2440.3892	2441.5730	---	PASS
		2480	1.2070	2479.3736	2480.5806	---	PASS

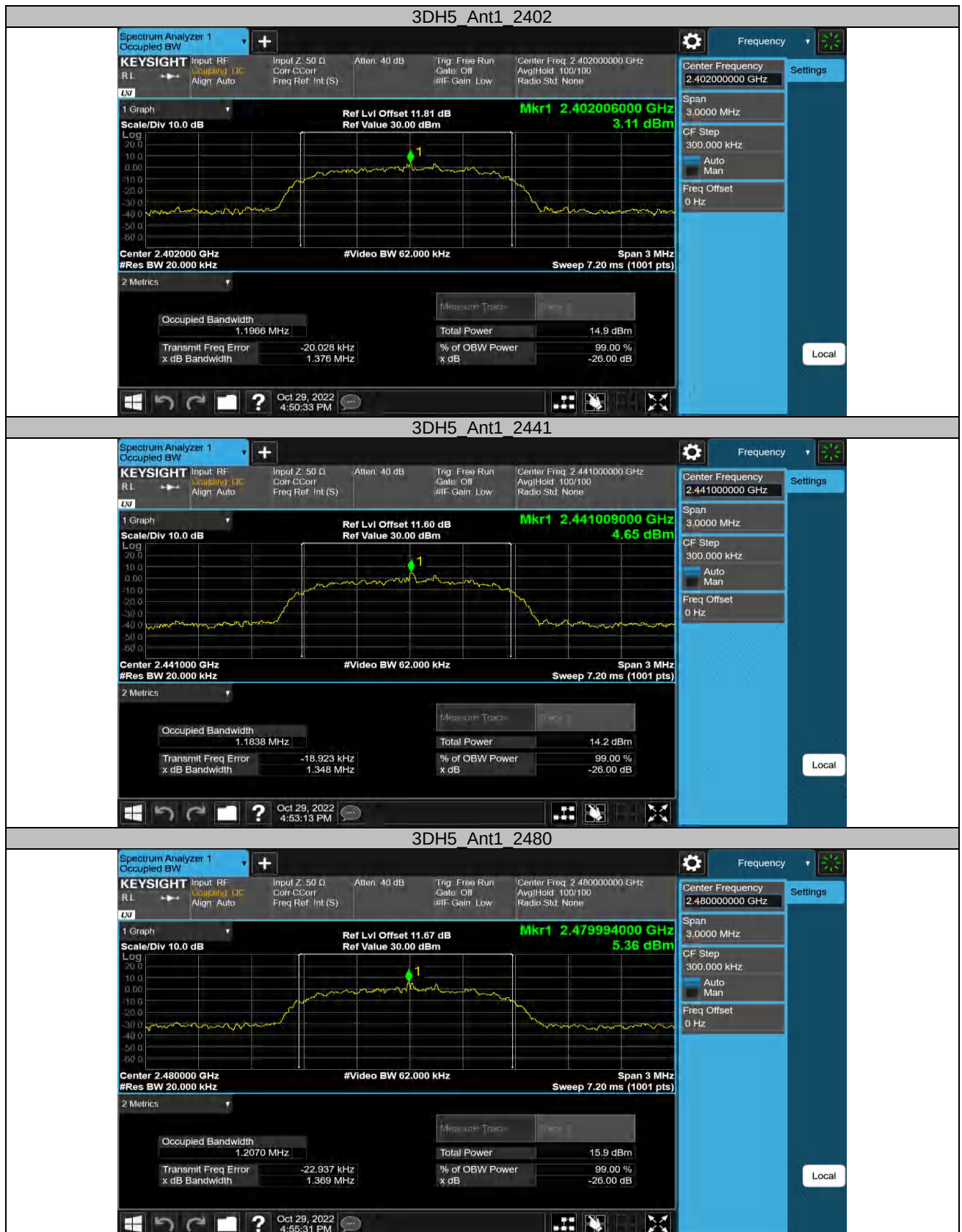
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Appendix B.2: Test Results of 20dB Bandwidth

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.879	2401.538	2402.417	---	PASS
		2441	0.861	2440.529	2441.390	---	PASS
		2480	0.858	2479.532	2480.390	---	PASS
3DH5	Ant1	2402	1.272	2401.337	2402.609	---	PASS
		2441	1.263	2440.343	2441.606	---	PASS
		2480	1.266	2479.337	2480.603	---	PASS

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Appendix B.3: Test Results of Carrier Frequency Separation

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.308	≥ 0.879	PASS
3DH5	Ant1	Hop	1.02	≥ 0.848	PASS



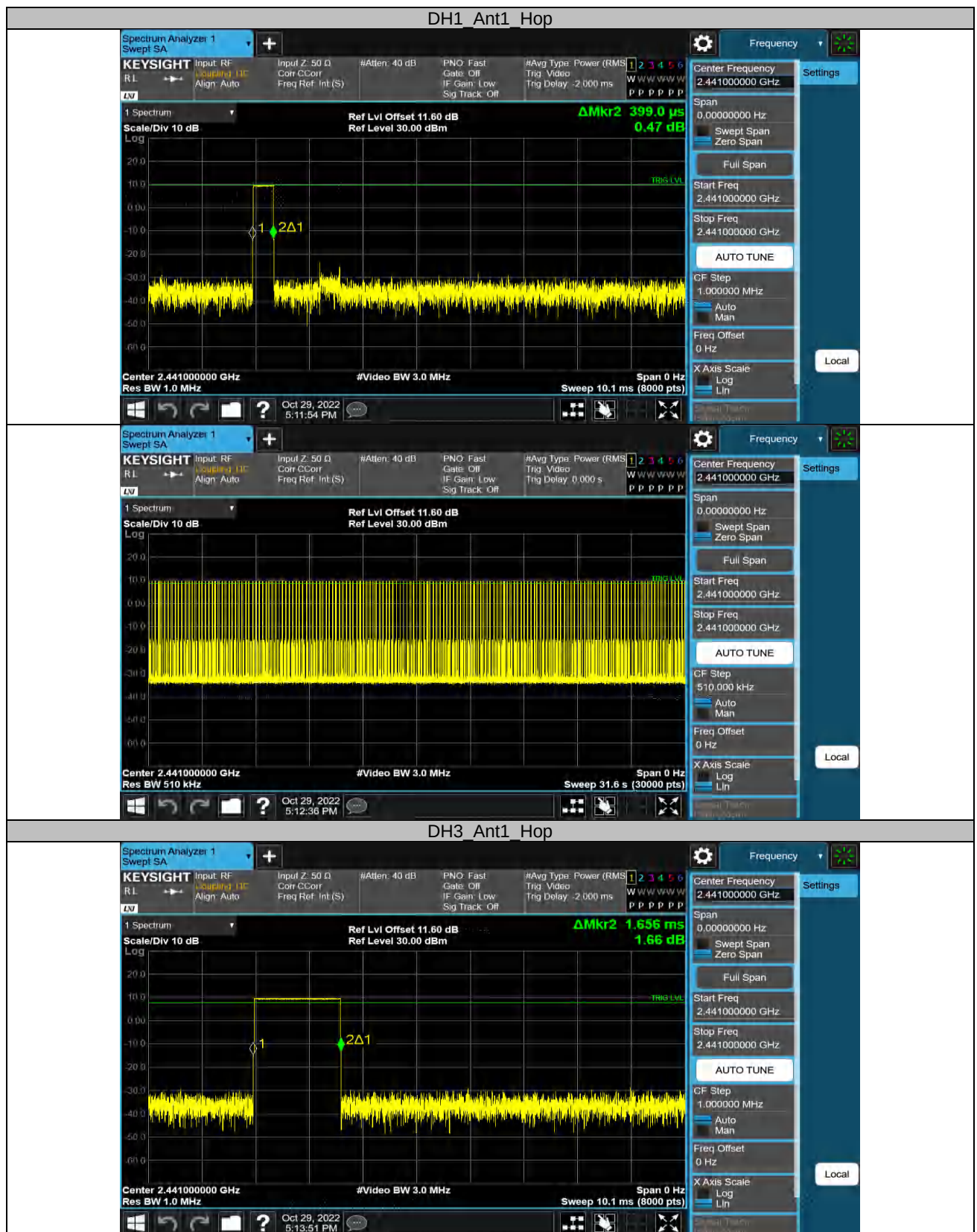
Appendix B.4: Test Results of Number of Hopping Frequency

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



Appendix B.5: Test Results of Time of Occupancy

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.399	316	0.126	≤0.4	PASS
DH3	Ant1	Hop	1.656	154	0.255	≤0.4	PASS
DH5	Ant1	Hop	2.902	107	0.311	≤0.4	PASS
3DH1	Ant1	Hop	0.405	318	0.129	≤0.4	PASS
3DH3	Ant1	Hop	1.656	166	0.275	≤0.4	PASS
3DH5	Ant1	Hop	2.906	104	0.302	≤0.4	PASS



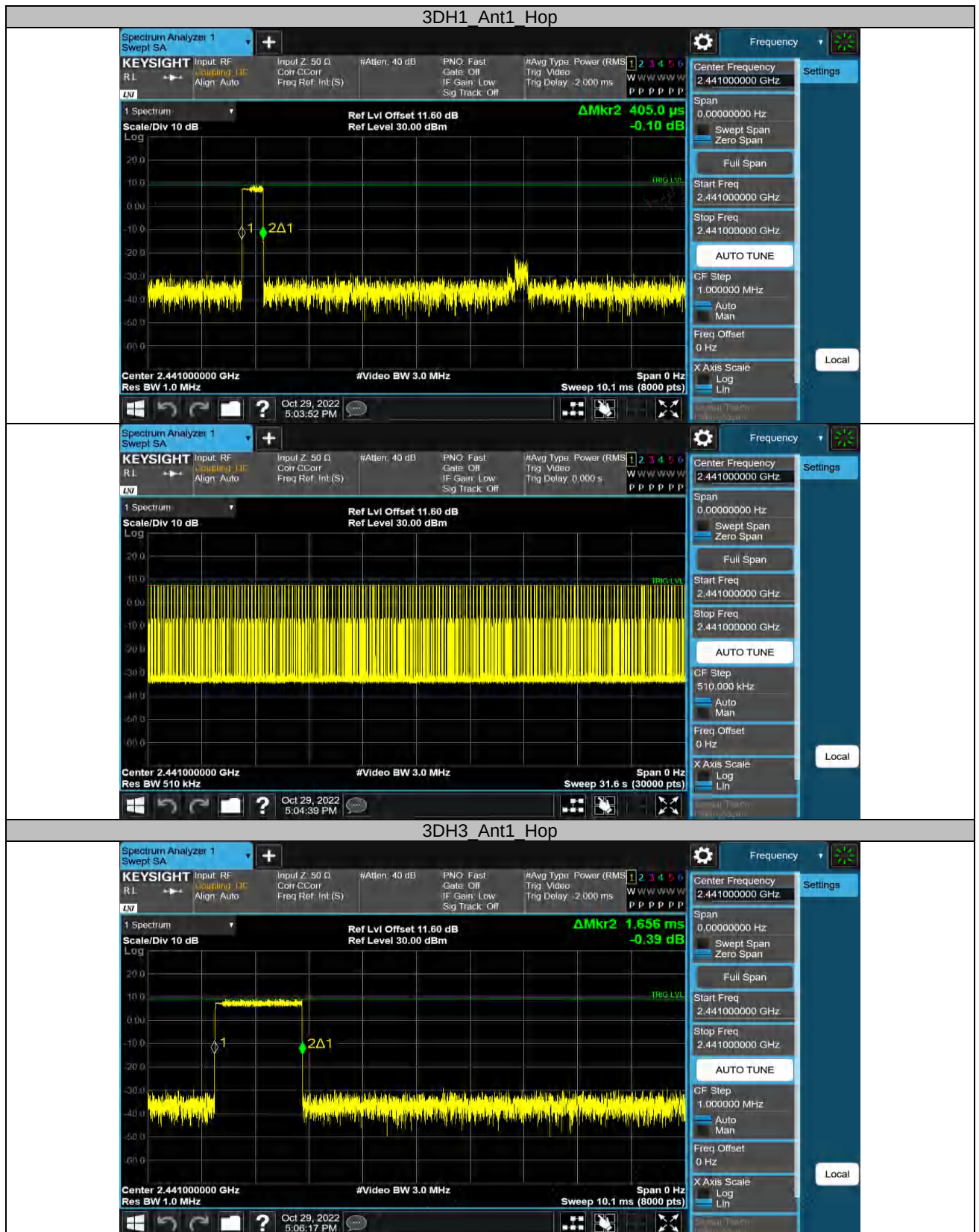
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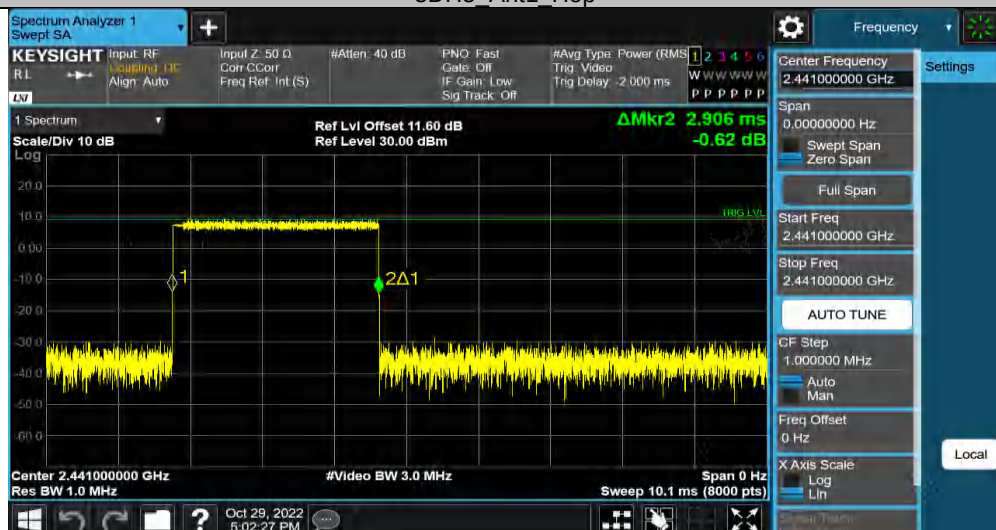
DH5 Ant1 Hop







3DH5 Ant1 Hop



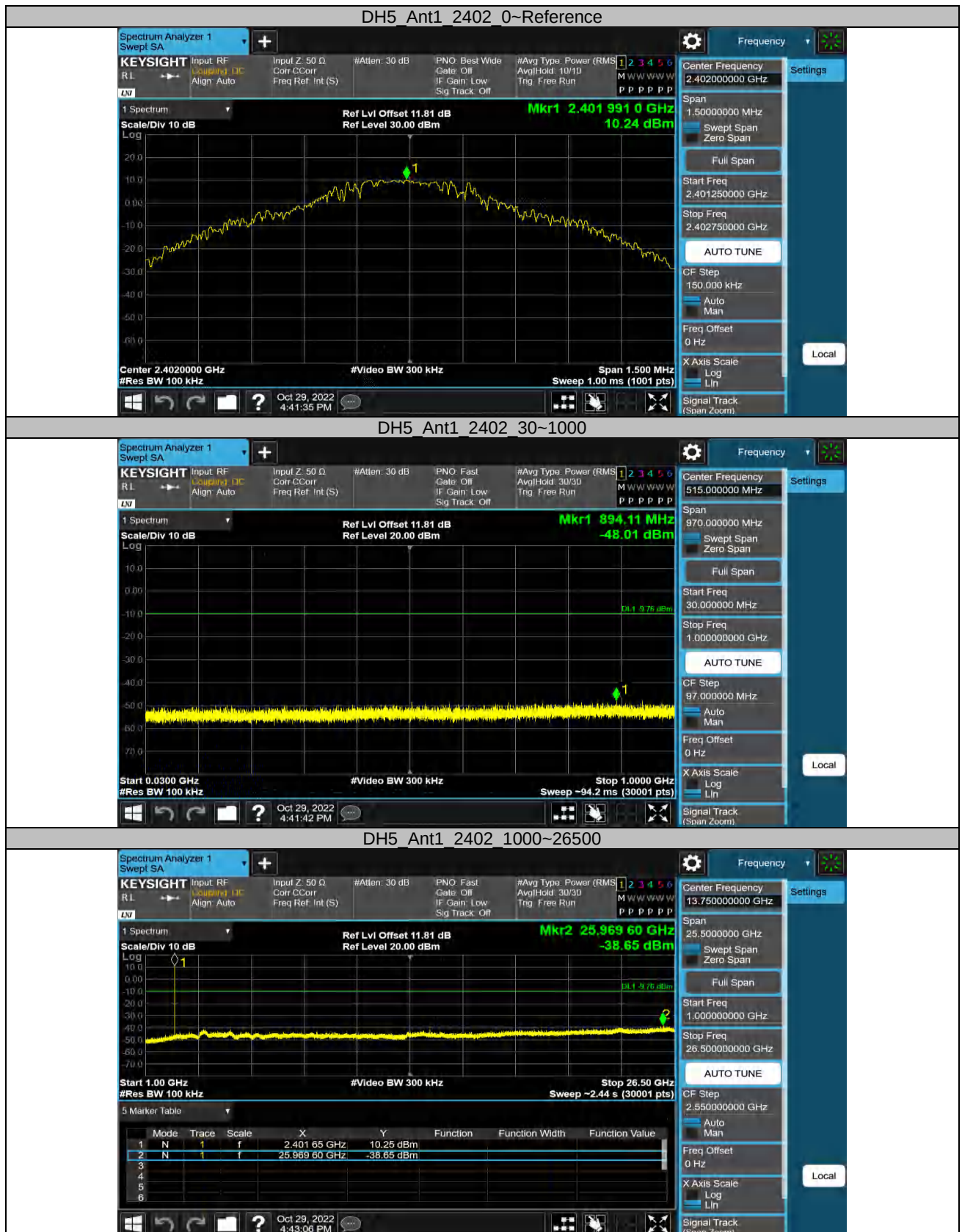
Appendix B.6: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	10.24	10.24	---	PASS
			30~1000	10.24	-48.01	≤-9.76	PASS
			1000~26500	10.24	-38.65	≤-9.76	PASS
		2441	Reference	9.93	9.93	---	PASS
			30~1000	9.93	-48.33	≤-10.07	PASS
			1000~26500	9.93	-38.17	≤-10.07	PASS
		2480	Reference	10.28	10.28	---	PASS
			30~1000	10.28	-47.77	≤-9.72	PASS
			1000~26500	10.28	-38.75	≤-9.72	PASS
3DH5	Ant1	2402	Reference	7.22	7.22	---	PASS
			30~1000	7.22	-47.59	≤-12.78	PASS
			1000~26500	7.22	-39.01	≤-12.78	PASS
		2441	Reference	5.04	5.04	---	PASS
			30~1000	5.04	-47.85	≤-14.96	PASS
			1000~26500	5.04	-38.56	≤-14.96	PASS
		2480	Reference	9.06	9.06	---	PASS
			30~1000	9.06	-47.88	≤-10.94	PASS
			1000~26500	9.06	-39.1	≤-10.94	PASS

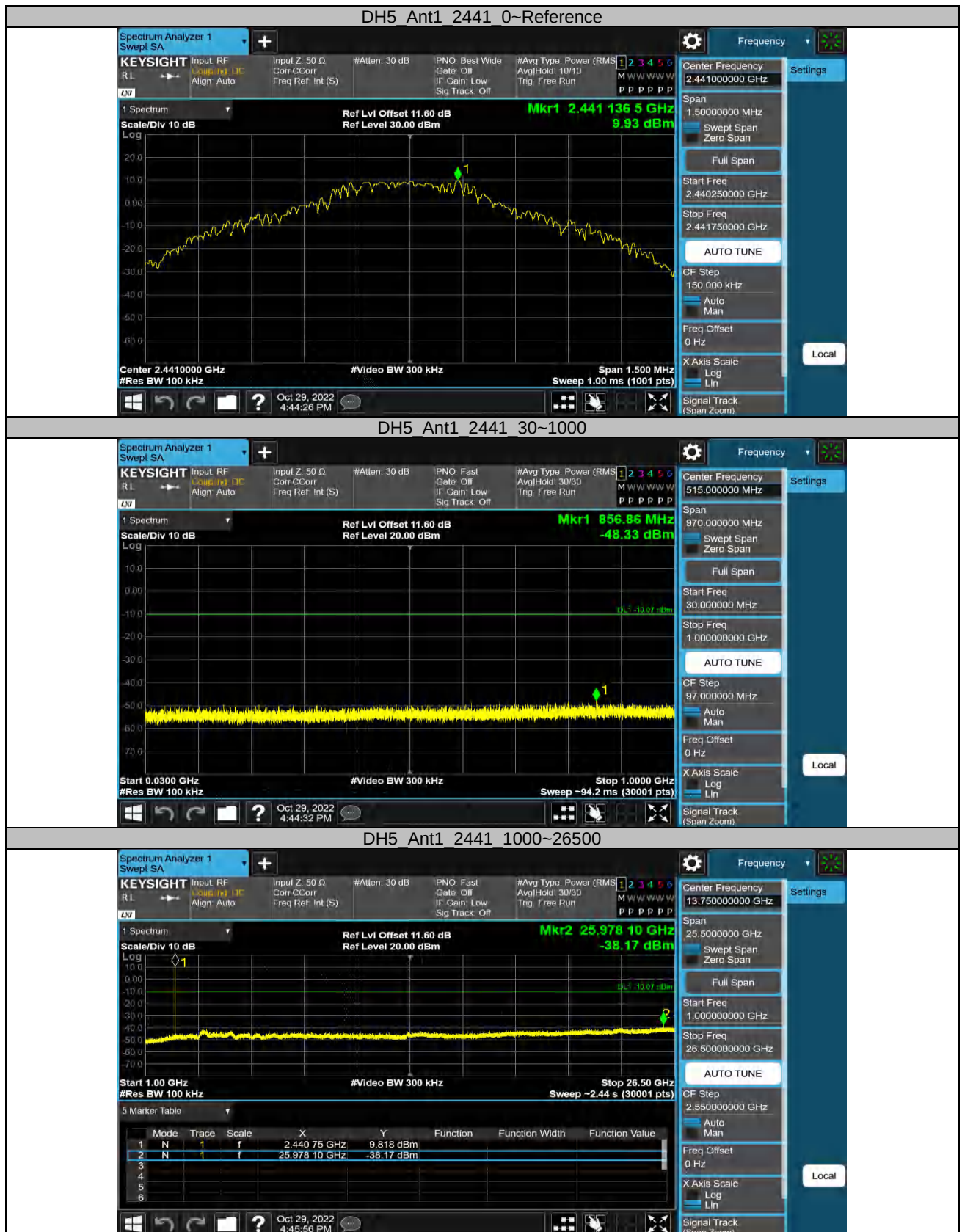
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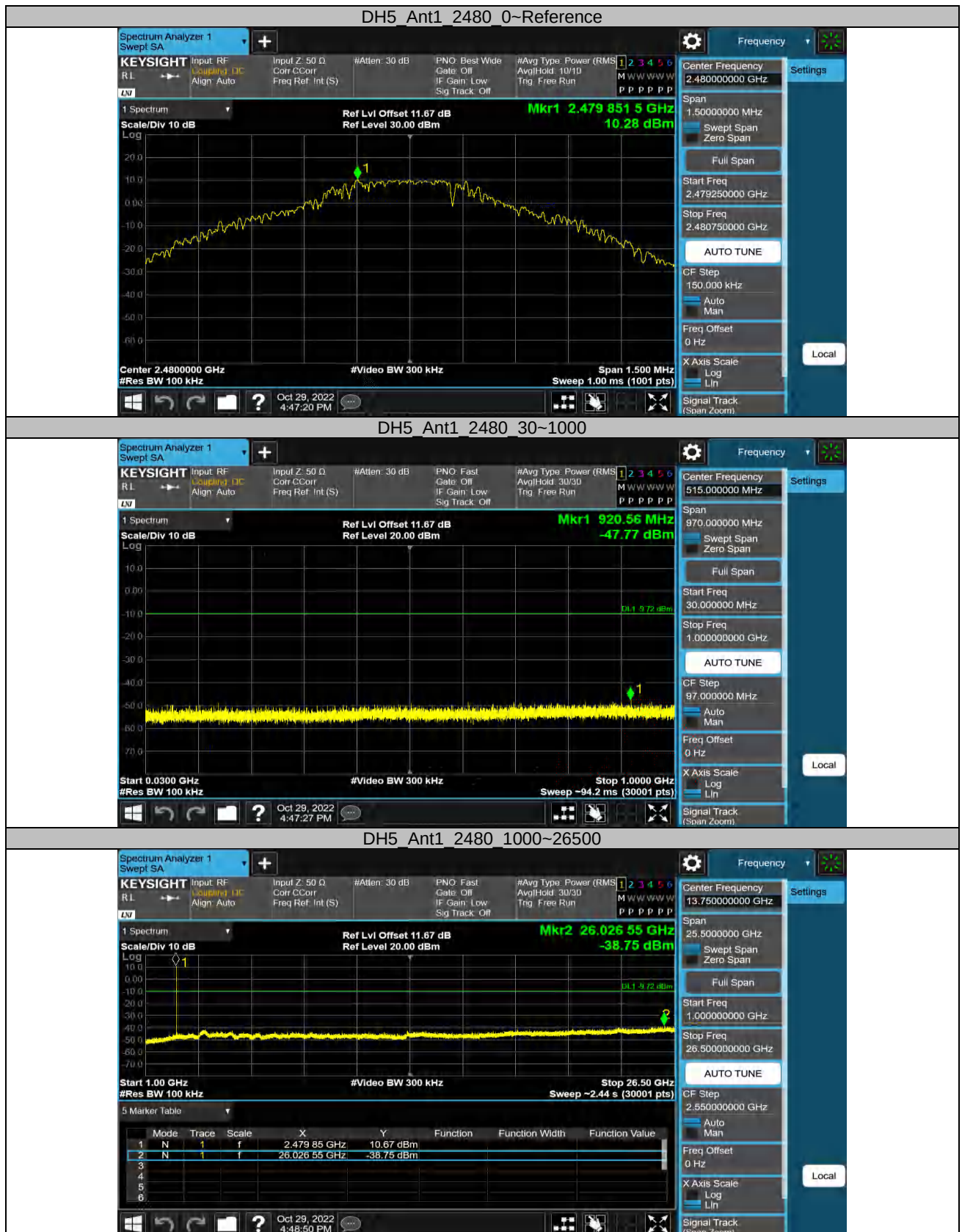
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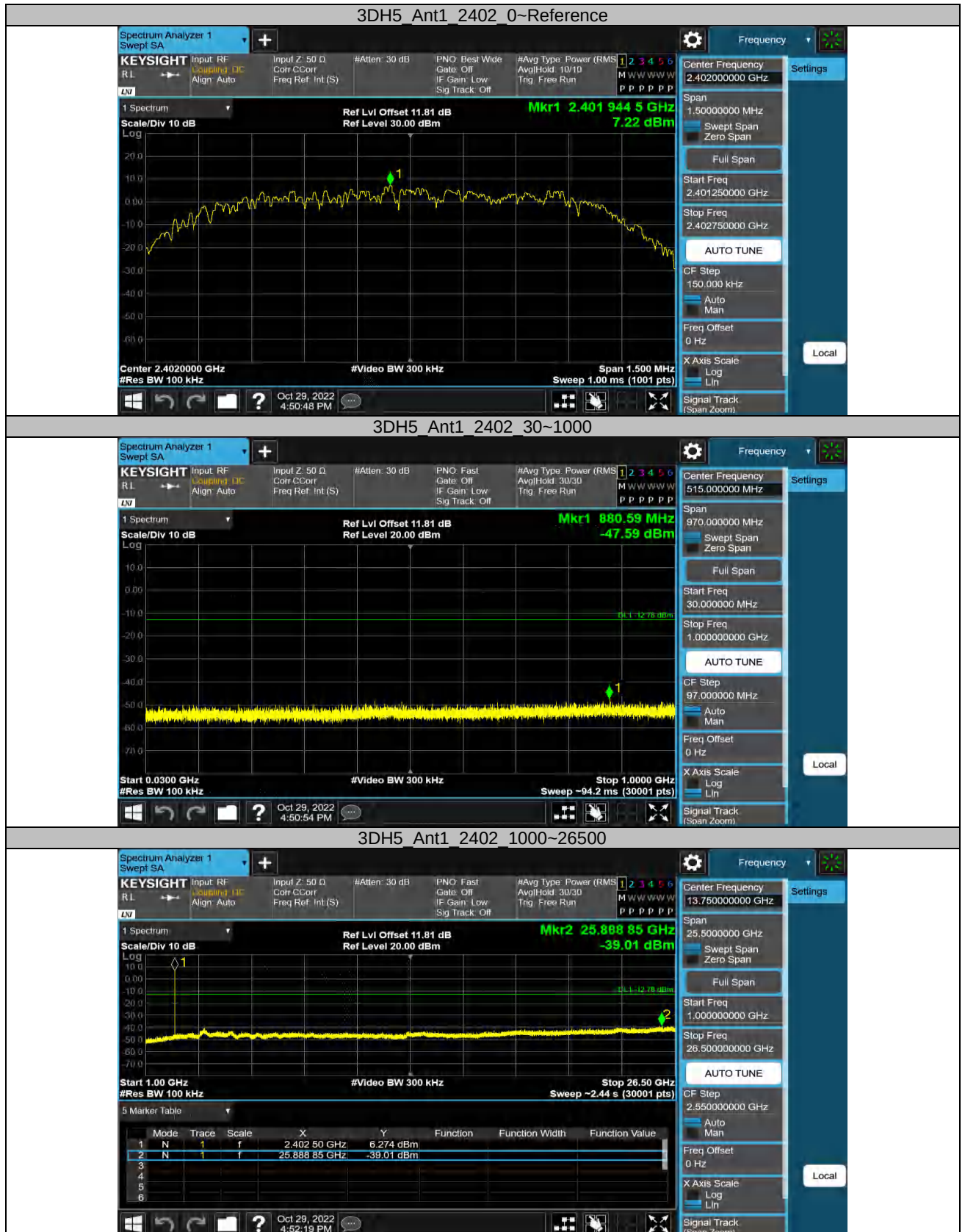
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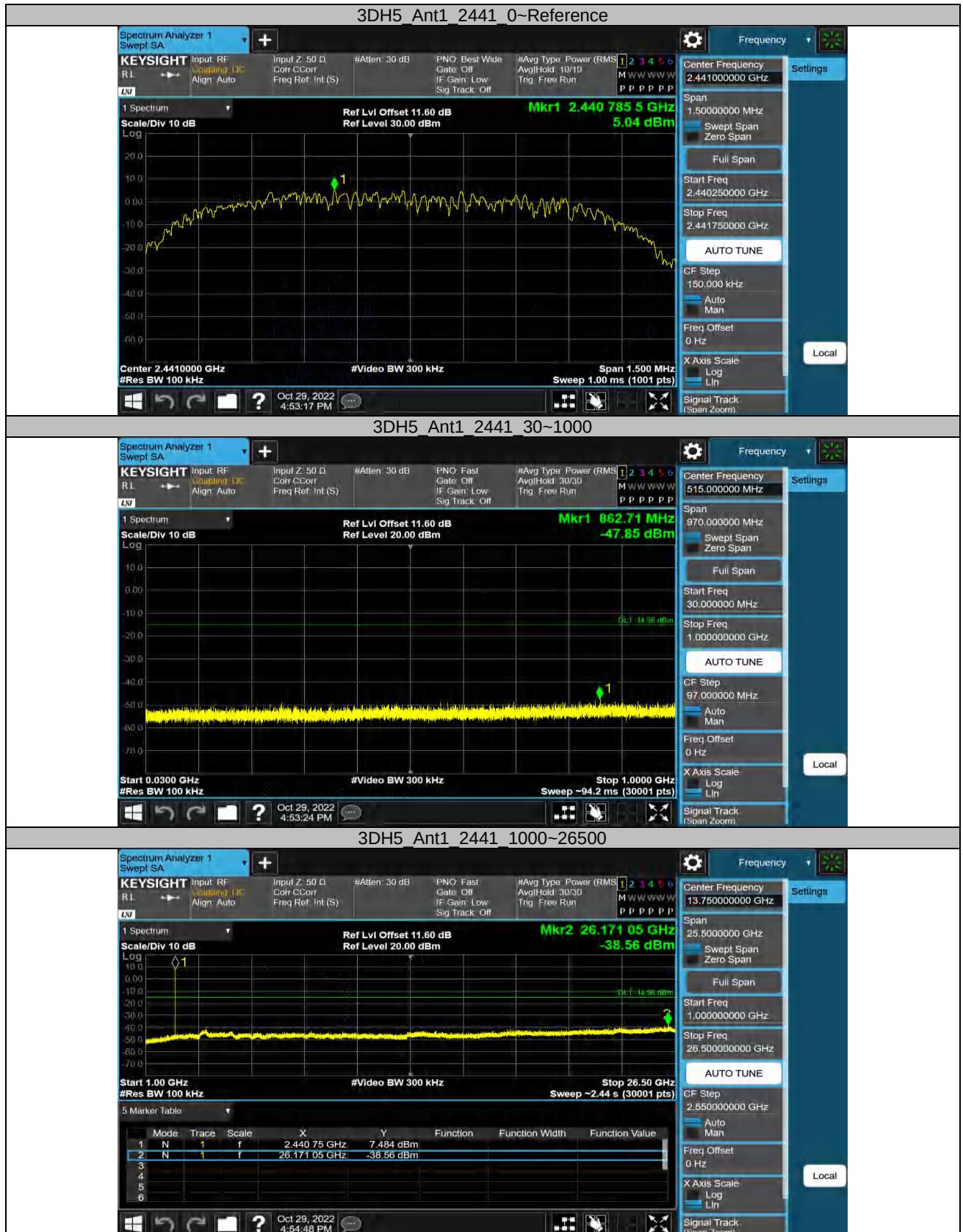
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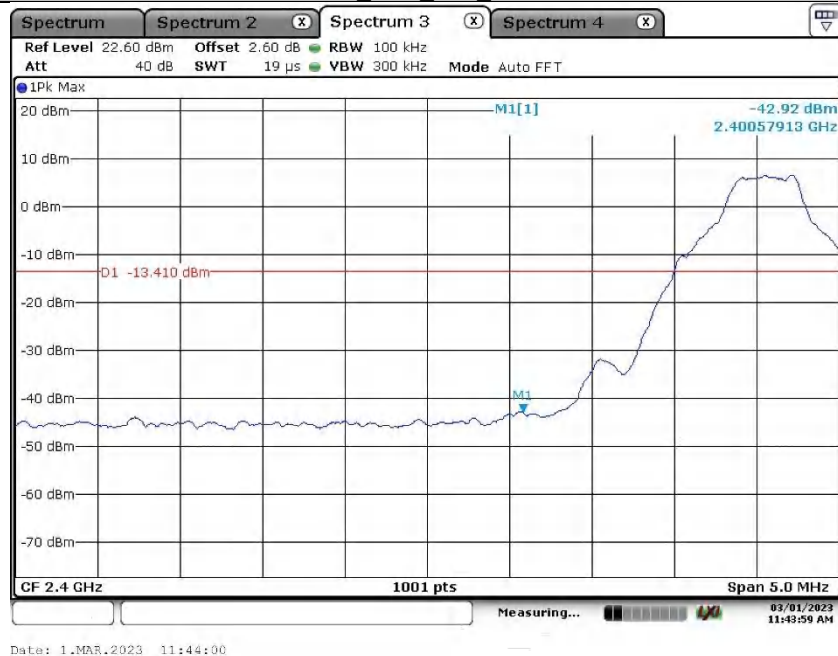




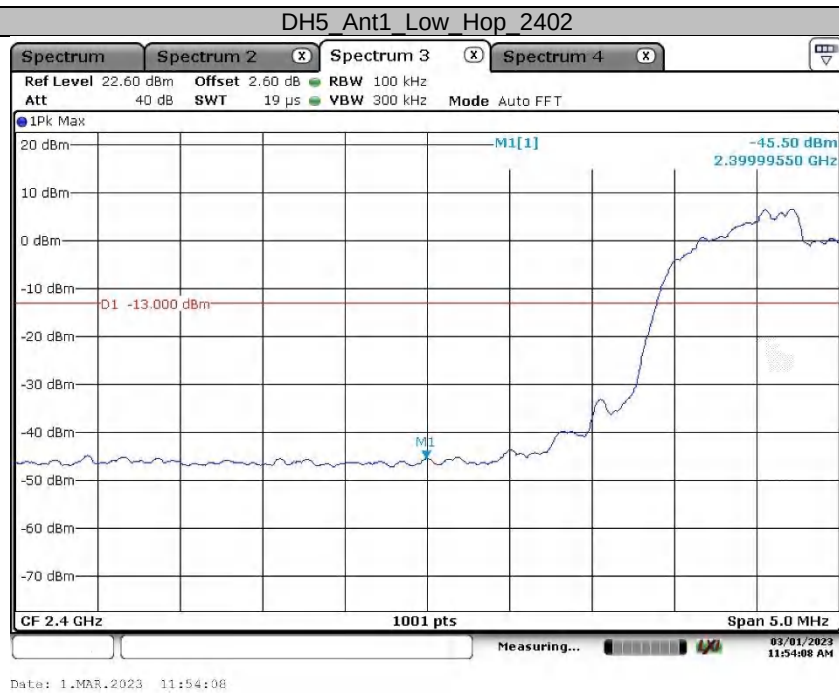
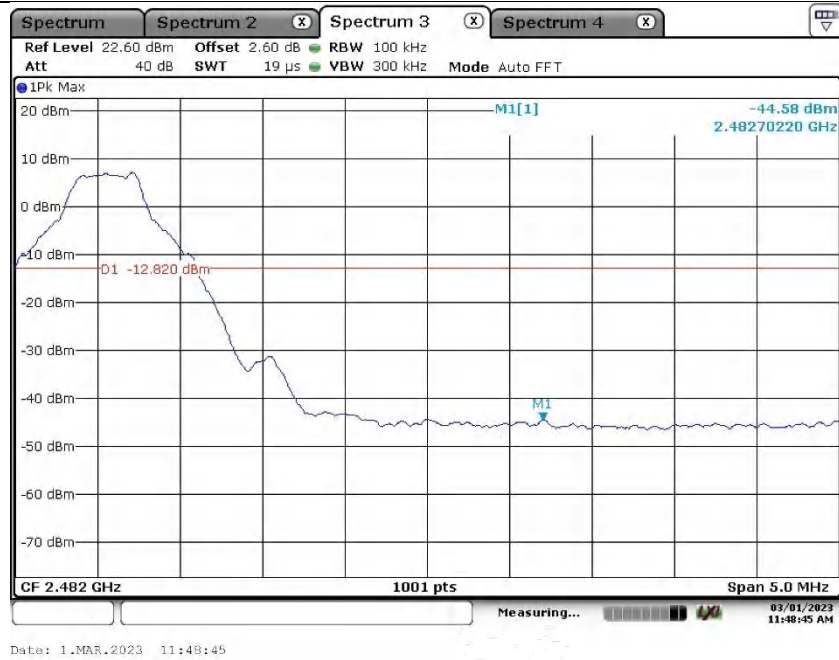
Band Edge

TestMode	Antenna	ChName	Channel	Verdict
DH5	Ant1	Low	2402	PASS
		High	2480	PASS
		Low	Hop_2402	PASS
		High	Hop_2480	PASS
3DH5	Ant1	Low	2402	PASS
		High	2480	PASS
		Low	Hop_2402	PASS
		High	Hop_2480	PASS

DH5 Ant1 Low 2402



DH5 Ant1 High 2480



DH5 Ant1 High Hop 2480

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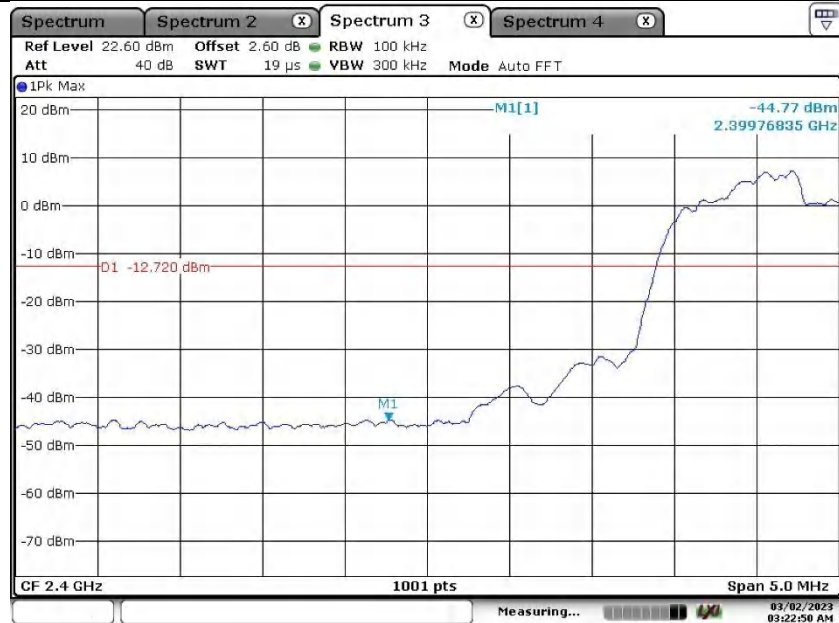
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Date: 1.MAR.2023 11:53:22

3DH5_Ant1_Low_2402



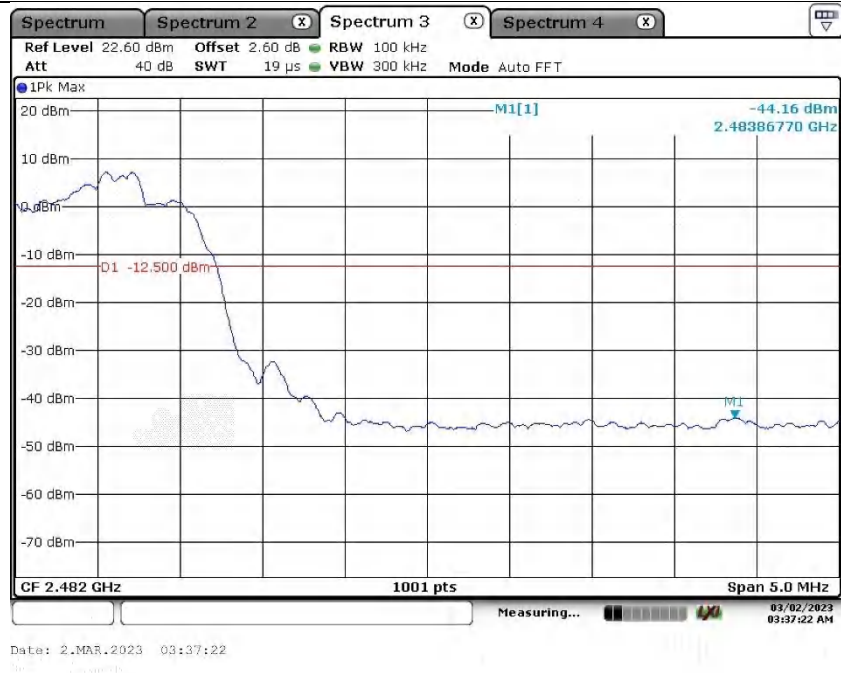
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3DH5_Ant1_High_Hop_2480



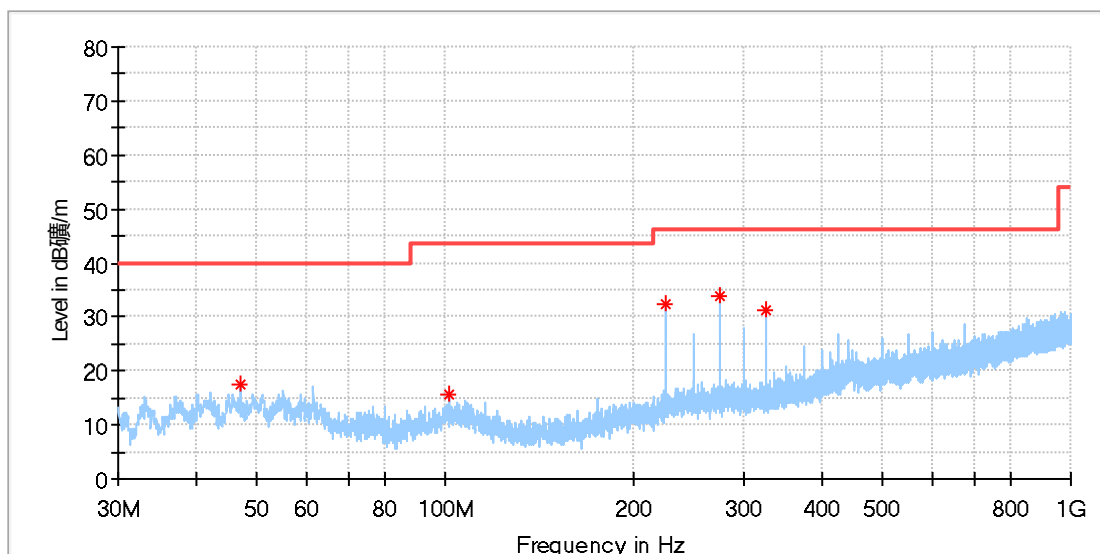
Appendix B.7: Test Results of Radiated Spurious Emissions

Note: 1. Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported. 2. This testing was carried out on different modulations, but only the worst case (GFSK) was presented in this report.

30 MHz - 1GHz

EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

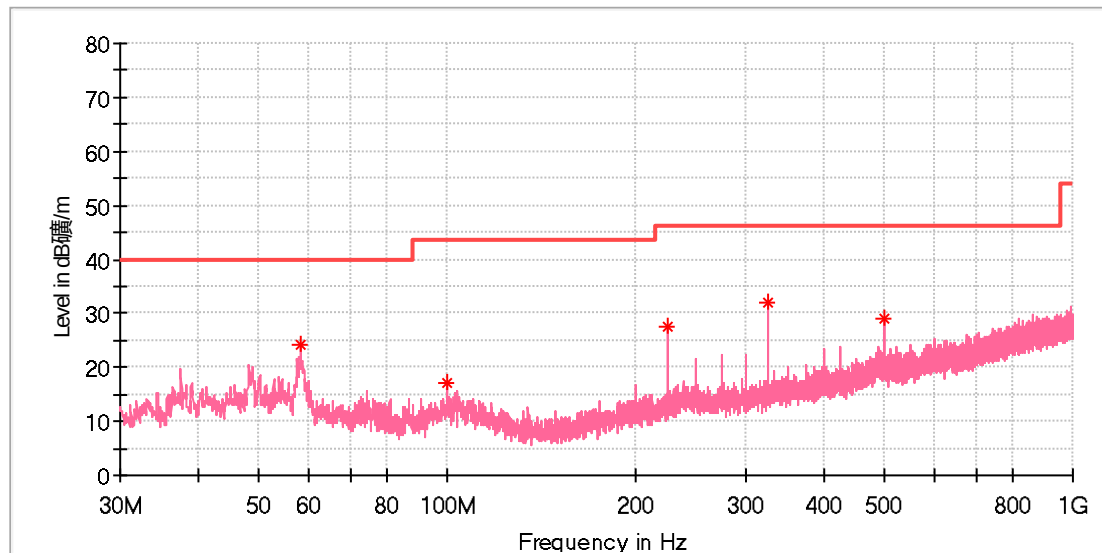
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
47.072000	17.50	40.00	22.50	100.0	H	60.0	-18.5
101.149500	15.51	43.50	27.99	100.0	H	251.0	-18.9
225.018500	32.32	46.00	13.68	100.0	H	302.0	-18.3
275.022000	33.85	46.00	12.15	100.0	H	154.0	-16.8
325.025500	31.18	46.00	14.82	100.0	H	275.0	-15.6

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
58.275500	24.31	40.00	15.69	100.0	V	62.0	-18.8
99.888500	16.96	43.50	26.54	100.0	V	0.0	-19.0
225.018500	27.59	46.00	18.41	100.0	V	16.0	-18.3
325.025500	31.86	46.00	14.14	100.0	V	256.0	-15.6
500.062000	29.07	46.00	16.93	100.0	V	33.0	-11.8

Final Result

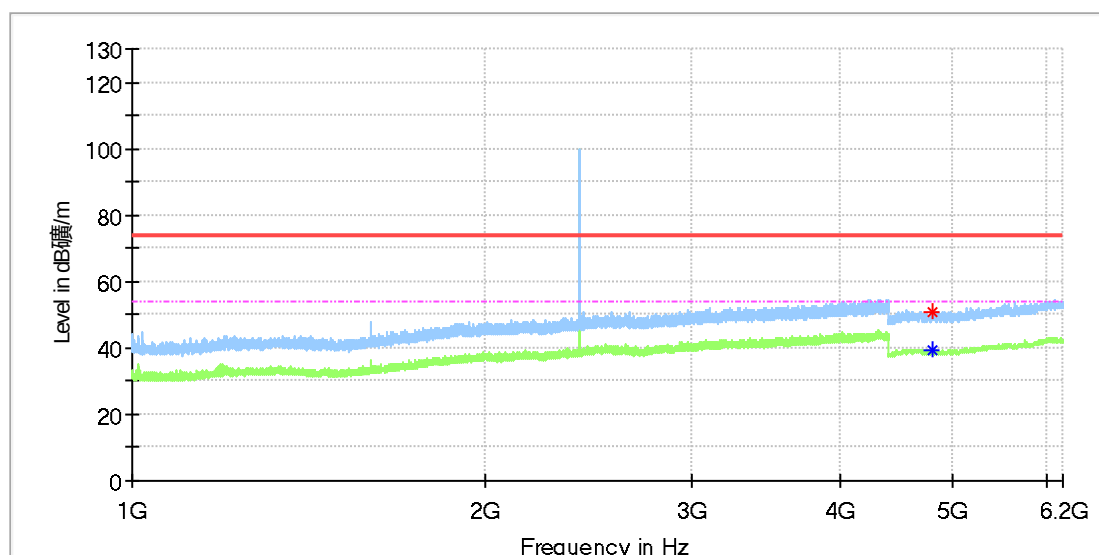
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

**Critical_Freqs**

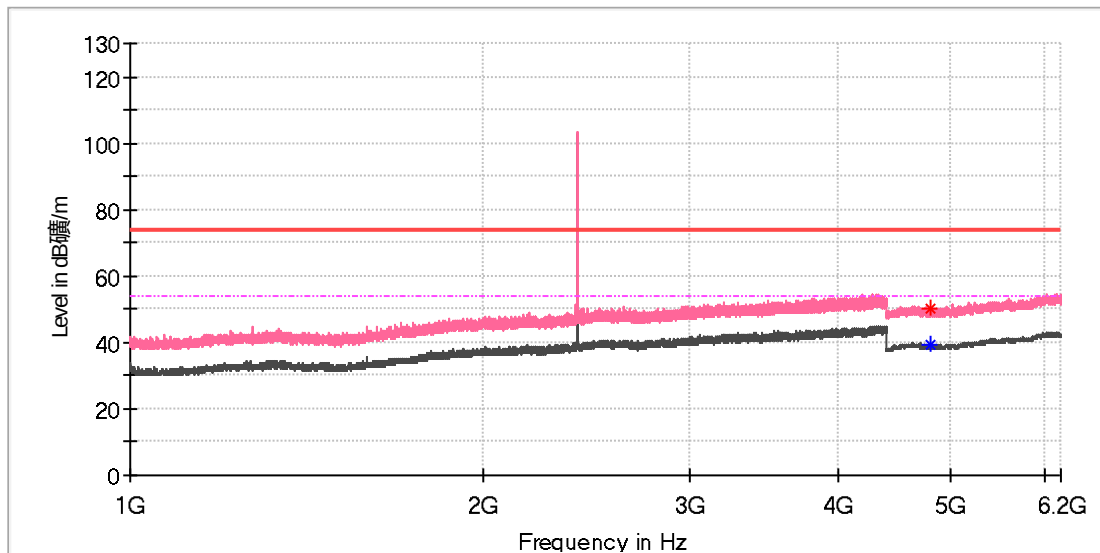
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	---	39.12	54.00	14.88	100.0	H	316.0	11.8
4807.500000	51.02	---	74.00	22.98	100.0	H	0.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

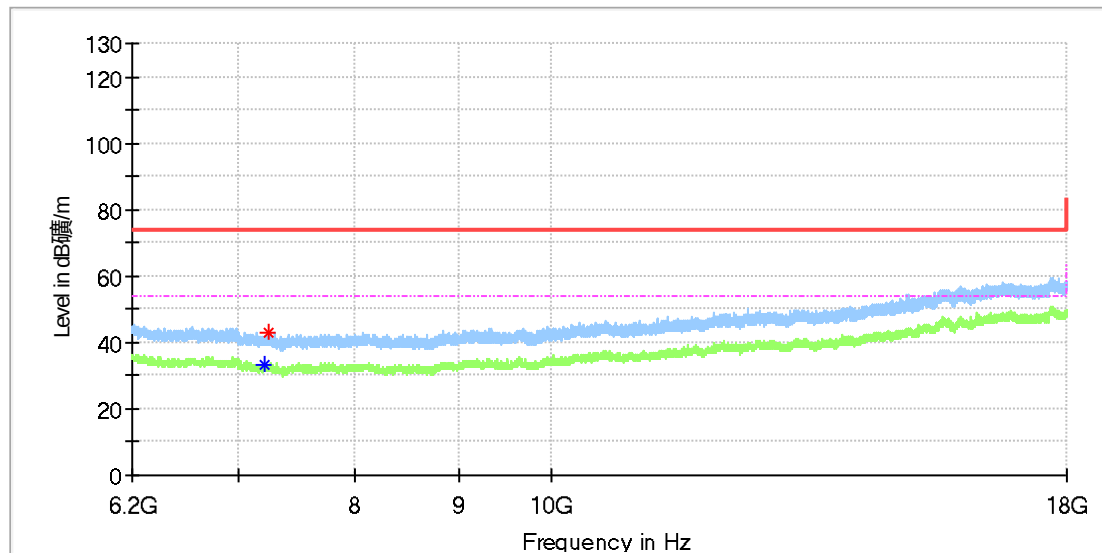
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.000000	50.05	---	74.00	23.95	100.0	V	354.0	11.8
4809.500000	---	39.02	54.00	14.98	100.0	V	326.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
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Critical Freqs

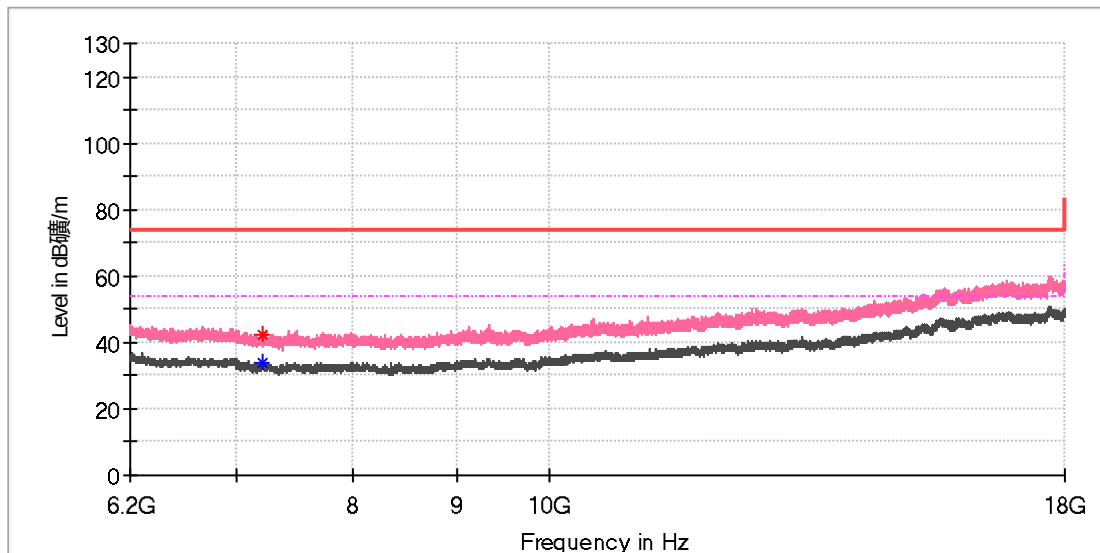
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.966667	---	33.12	54.00	20.88	100.0	H	188.0	8.8
7236.925000	42.87	---	74.00	31.13	100.0	H	259.0	8.6

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
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Critical Freqs

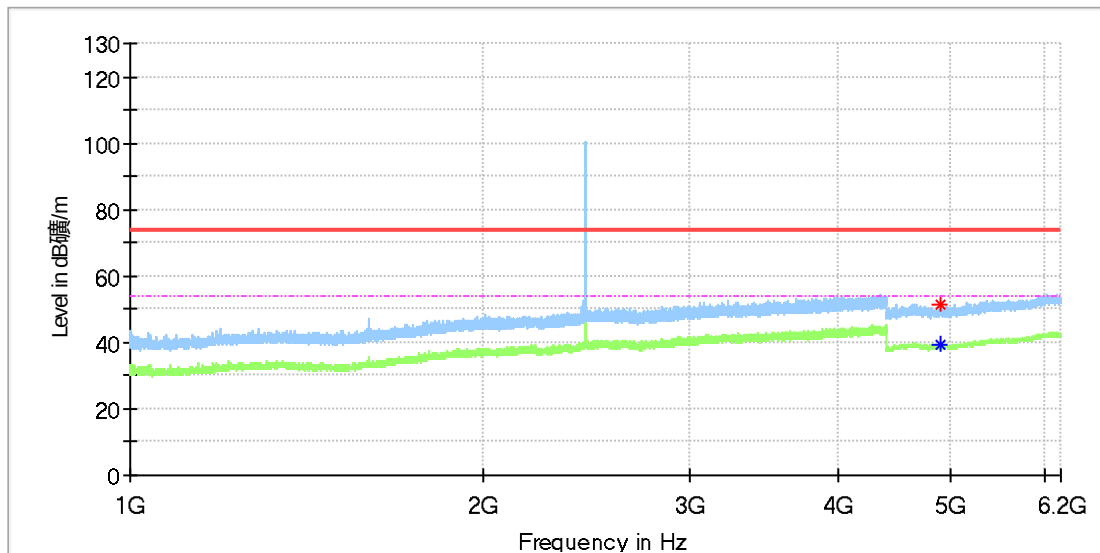
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7203.983333	---	33.63	54.00	20.37	100.0	V	137.0	8.8
7207.425000	42.10	---	74.00	31.90	100.0	V	87.0	8.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

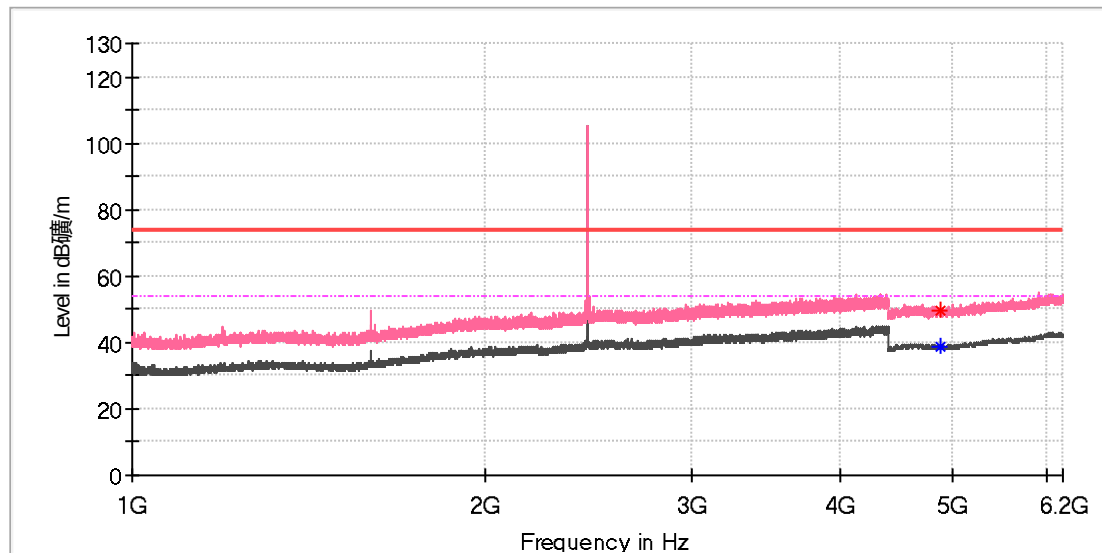
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4890.000000	51.22	---	74.00	22.78	100.0	H	301.0	11.8
4895.500000	---	39.06	54.00	14.94	100.0	H	229.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

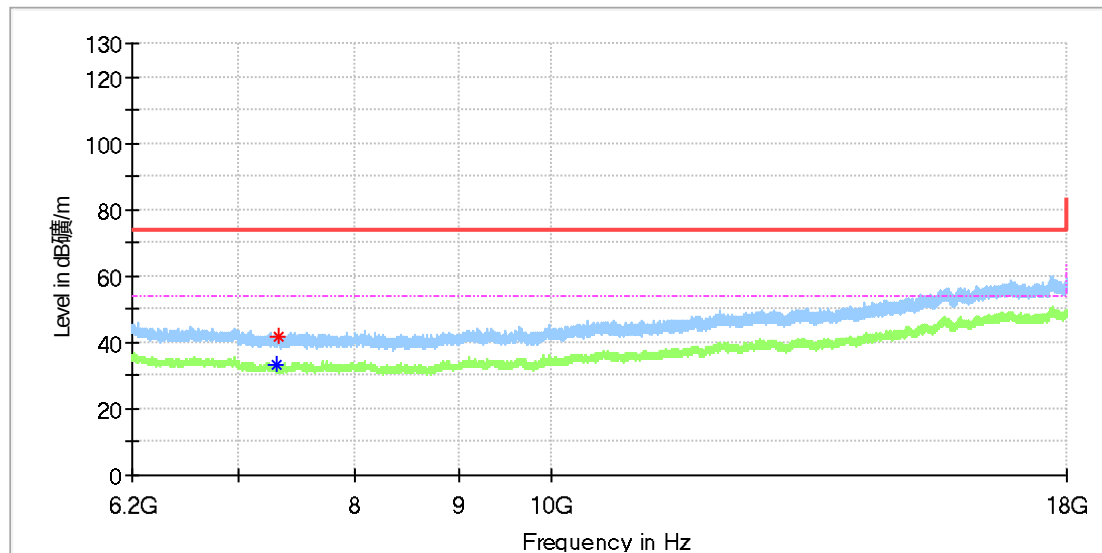
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4881.500000	49.45	---	74.00	24.55	100.0	V	225.0	11.8
4882.000000	---	38.51	54.00	15.49	100.0	V	245.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

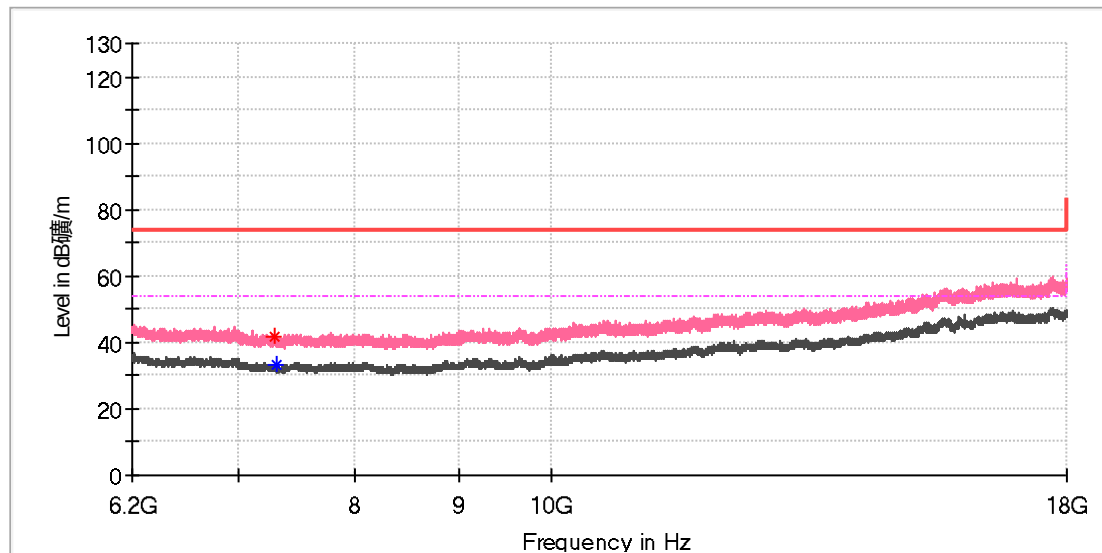
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7310.675000	---	33.00	54.00	21.00	100.0	H	0.0	8.2
7325.916667	41.99	---	74.00	32.01	100.0	H	29.0	8.2

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

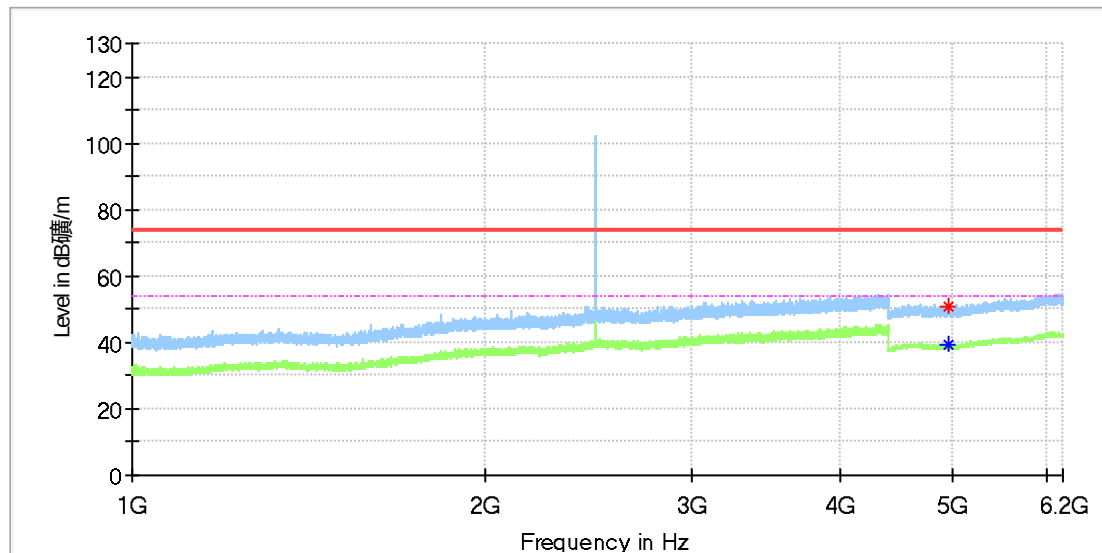
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7298.383333	41.54	---	74.00	32.46	100.0	V	302.0	8.3
7308.708333	---	33.13	54.00	20.87	100.0	V	87.0	8.2

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

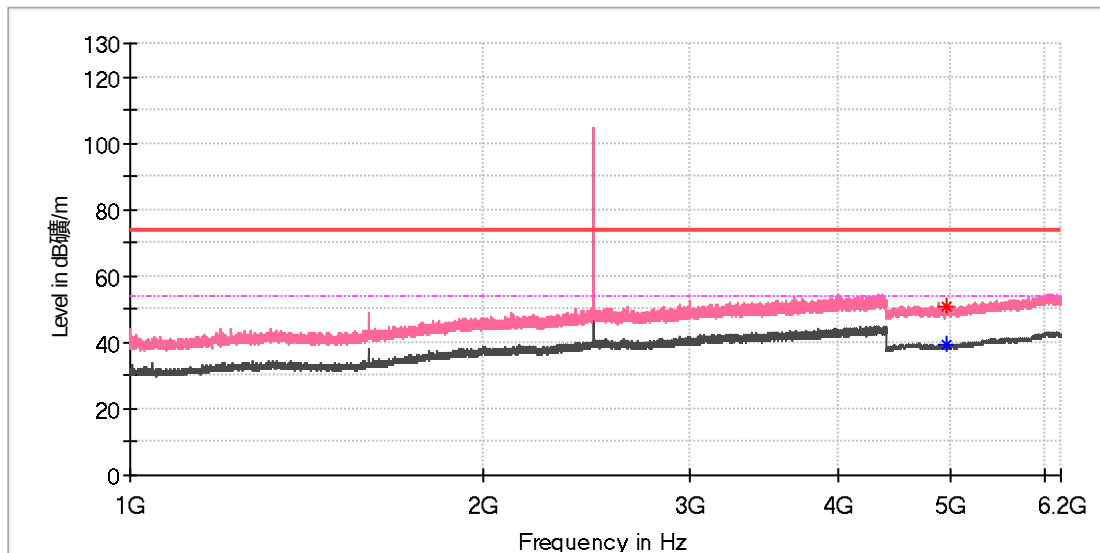
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4952.500000	50.84	---	74.00	23.16	100.0	H	327.0	11.8
4960.000000	---	39.43	54.00	14.57	100.0	H	282.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

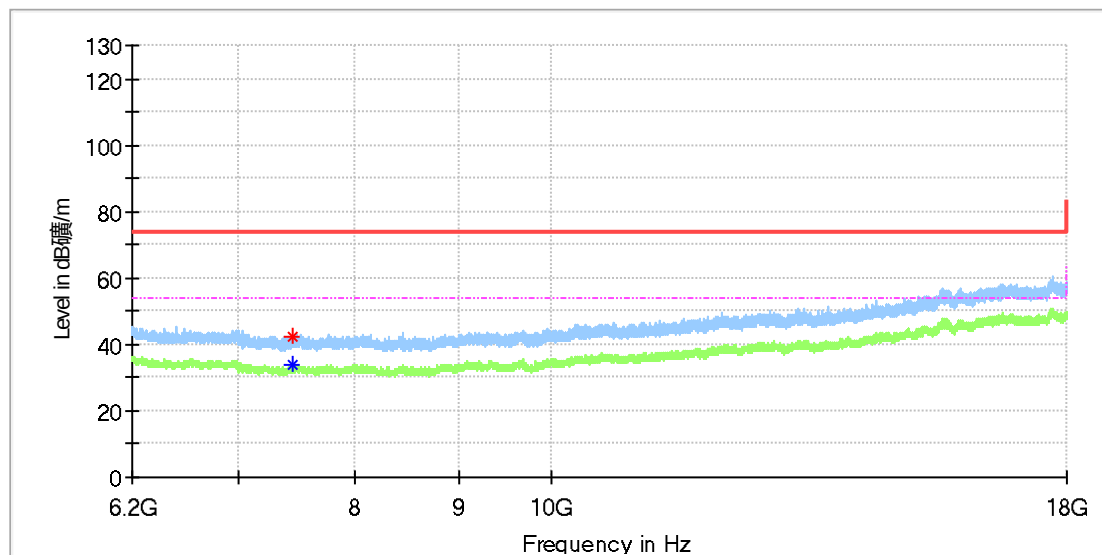
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4949.500000	50.91	---	74.00	23.09	100.0	V	212.0	11.8
4959.500000	---	39.48	54.00	14.52	100.0	V	345.0	11.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

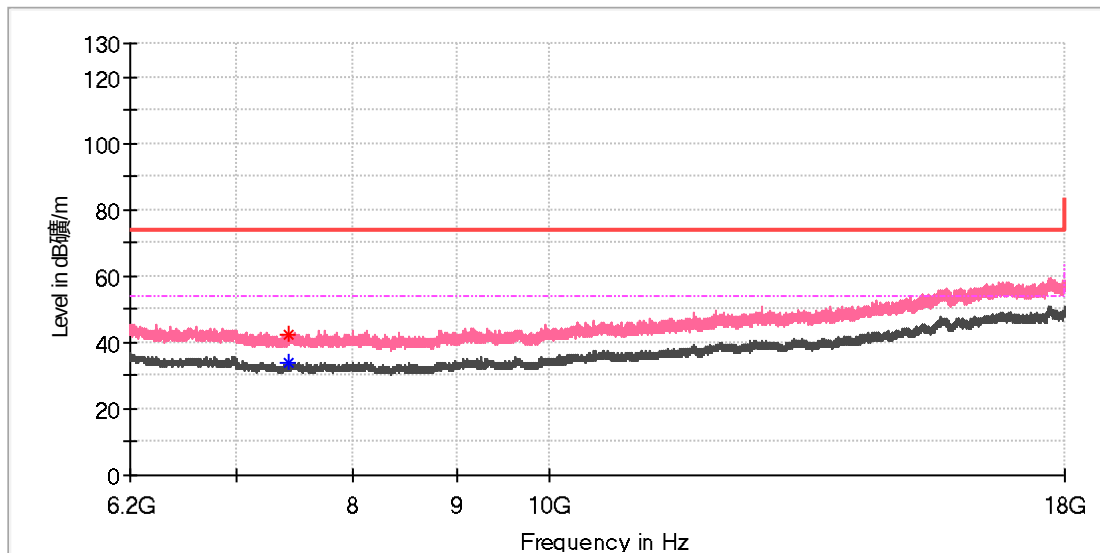
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7448.341667	42.21	---	74.00	31.79	100.0	H	4.0	8.5
7453.258333	---	33.64	54.00	20.36	100.0	H	53.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7427.200000	42.16	---	74.00	31.84	100.0	V	332.0	8.4
7435.558333	---	33.58	54.00	20.42	100.0	V	159.0	8.4

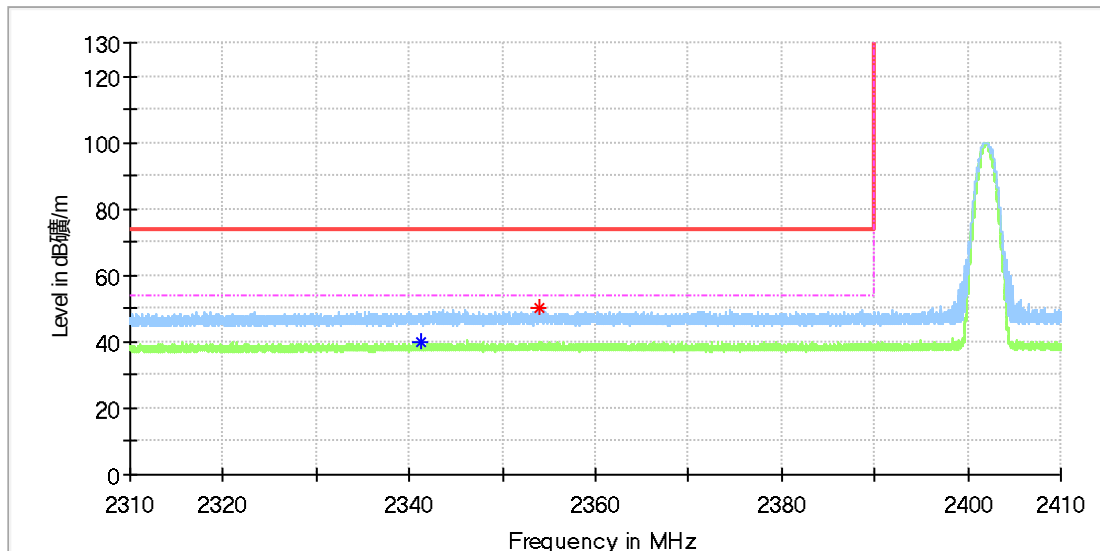
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix B.8: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

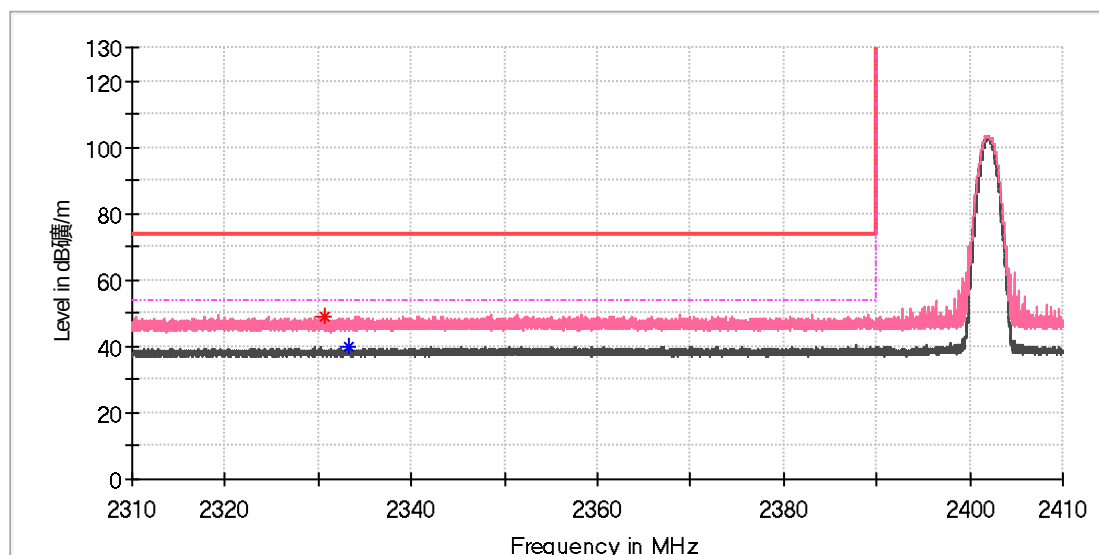
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2341.150000	---	39.74	54.00	14.26	100.0	H	188.0	6.8
2353.915000	50.42	---	74.00	23.58	100.0	H	127.0	6.9

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

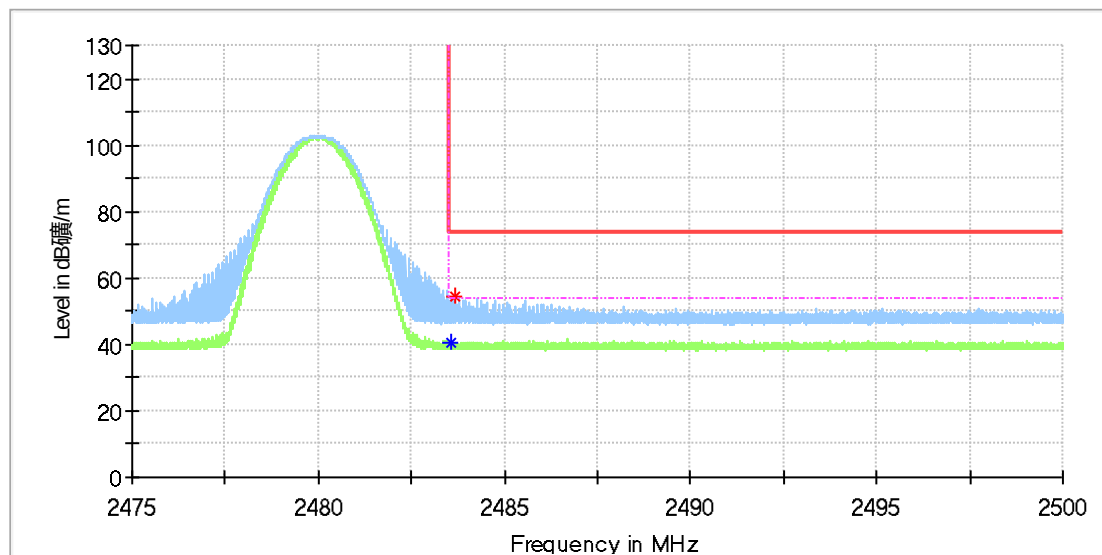
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2330.640000	49.27	---	74.00	24.73	100.0	V	214.0	6.7
2333.250000	---	39.80	54.00	14.20	100.0	V	0.0	6.7

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

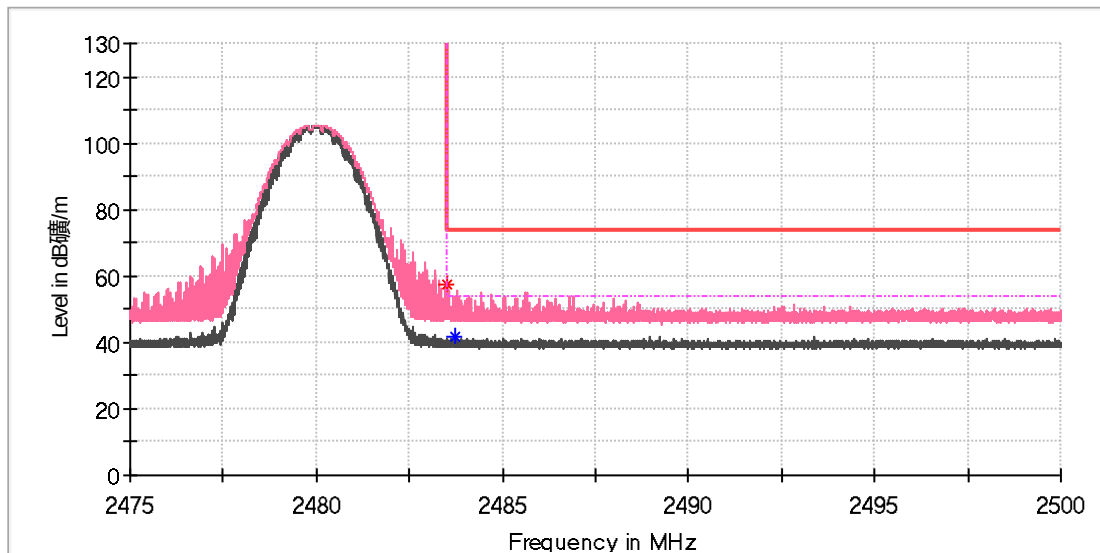
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.556250	---	40.69	54.00	13.31	100.0	H	284.0	7.4
2483.665000	54.70	---	74.00	19.30	100.0	H	148.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Portable Thermal Camera
Model:	S1280
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168392026/A003352666-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.518750	57.66	---	74.00	16.34	100.0	V	219.0	7.4
2483.710000	---	41.55	54.00	12.45	100.0	V	180.0	7.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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