

12.4 TEST RESULTS

Environment: 25.3°C/49%RH/101.0kPa
Tested By:Qin Tingting

Voltage:DC 12V
Date: 2024-08-28 ~ 2024-09-18

Band Edge

Test Mode	Antenna	Ch Name	Freq[MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.91	-47.91	≤-18.09	PASS
		High	2480	2.45	-46.12	≤-17.55	PASS
		Low	Hop_2402	1.49	-48.75	≤-18.51	PASS
		High	Hop_2480	2.24	-46.33	≤-17.76	PASS
2DH5	Ant1	Low	2402	5.01	-39.14	≤-14.99	PASS
		High	2480	4.14	-46.07	≤-15.86	PASS
		Low	Hop_2402	4.28	-46.06	≤-15.72	PASS
		High	Hop_2480	1.60	-45.95	≤-18.40	PASS
3DH5	Ant1	Low	2402	-0.70	-47.18	≤-20.70	PASS
		High	2480	0.90	-45.93	≤-19.10	PASS
		Low	Hop_2402	-2.61	-48.02	≤-22.61	PASS
		High	Hop_2480	-0.54	-45.07	≤-20.54	PASS

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Test Mode	Antenna	Freq[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.92	0.92	---	PASS
			30~1000	0.92	-56.74	≤-19.08	PASS
			1000~26500	0.92	-42.79	≤-19.08	PASS
		2441	Reference	1.30	1.30	---	PASS
			30~1000	1.30	-56.59	≤-18.70	PASS
			1000~26500	1.30	-42.01	≤-18.70	PASS
		2480	Reference	1.69	1.69	---	PASS
			30~1000	1.69	-55.8	≤-18.31	PASS
			1000~26500	1.69	-42.89	≤-18.31	PASS
2DH5	Ant1	2402	Reference	3.55	3.55	---	PASS
			30~1000	3.55	-56.66	≤-16.45	PASS
			1000~26500	3.55	-42.91	≤-16.45	PASS
		2441	Reference	3.36	3.36	---	PASS
			30~1000	3.36	-56.95	≤-16.64	PASS
			1000~26500	3.36	-42.13	≤-16.64	PASS
		2480	Reference	2.29	2.29	---	PASS
			30~1000	2.29	-56.58	≤-17.71	PASS
			1000~26500	2.29	-42.18	≤-17.71	PASS
3DH5	Ant1	2402	Reference	-1.98	-1.98	---	PASS
			30~1000	-1.98	-56.56	≤-21.98	PASS
			1000~26500	-1.98	-43.5	≤-21.98	PASS
		2441	Reference	-1.26	-1.26	---	PASS
			30~1000	-1.26	-56.16	≤-21.26	PASS
			1000~26500	-1.26	-42.41	≤-21.26	PASS
		2480	Reference	-0.87	-0.87	---	PASS
			30~1000	-0.87	-56.65	≤-20.87	PASS
			1000~26500	-0.87	-42.66	≤-20.87	PASS

Test Graphs

Band Edge



DH5_Ant1_High_2480_MHz

MultView Spectrum

Ref Level 20.00 dBm Offset 11.43 dB RBW 100 kHz

Att 30 dB SWI 1.07 ms VBW 300 kHz Mode Auto Sweep

1 Frequency Sweep

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

2.47 GHz

1001 pts

8.0 MHz/

2.55 GHz

M1[1] 2.45 dBm 2.4797900 GHz

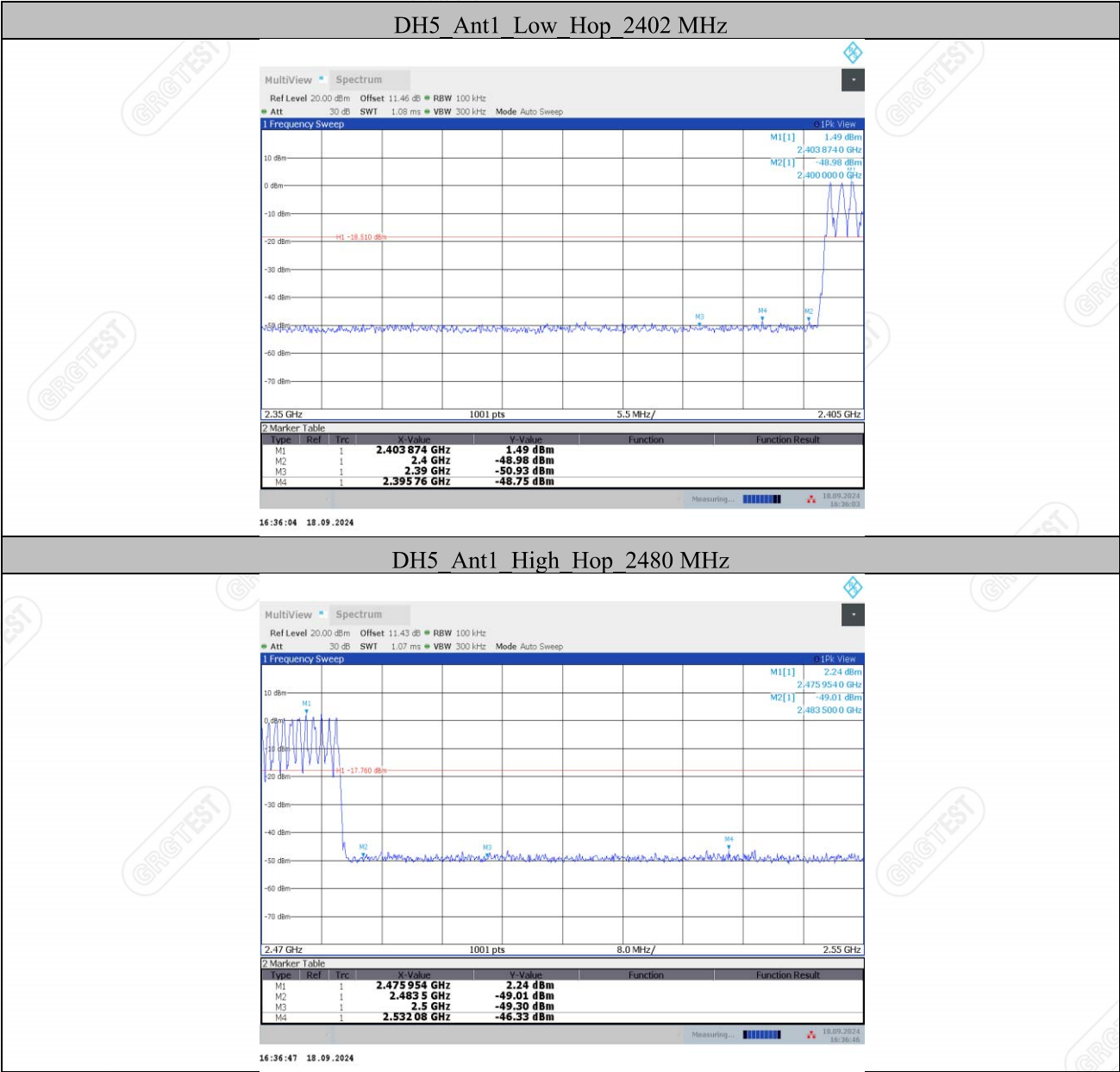
M2[1] -46.66 dBm 2.4835000 GHz

2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.47979 GHz	2.45 dBm		
M2	1		2.4835 GHz	-46.66 dBm		
M3	1		2.5 GHz	-49.78 dBm		
M4	1		2.50224 GHz	-46.12 dBm		

Measuring...

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DH5_Ant1_High_Hop_2480 MHz

MultiView

Spectrum

Ref Level 20.00 dBm

Offset 11.43 dB

RBW 100 kHz

Att 30 dB

SWT 1.07 ms

VBW 300 kHz

Mode Auto Sweep

1 Frequency Sweep

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

2.47 GHz

1001 pts

8.0 MHz/

2.55 GHz

M1[1]

2.24 dBm

2.4759540 GHz

M2[1]

-49.01 dBm

2.4835000 GHz

-17.760 dBm

M2

M3

M4

2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.475954 GHz	2.24 dBm		
M2	1		2.4835 GHz	-49.01 dBm		
M3	1		2.5 GHz	-49.30 dBm		
M4	1		2.53208 GHz	-46.33 dBm		

Measuring...

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2DH5 Ant1 High 2480 MHz

MultiView Spectrum

Ref Level 20.00 dBm Offset 11.43 dB RBW 100 kHz
Att 30 dB SWI 1.07 ms VBW 300 kHz Mode Auto Sweep

1 Frequency Sweep

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

2.47 GHz

1001 pts

8.0 MHz/

2.55 GHz

M1[1]

4.14 dBm

2.4799500 GHz

M2[1]

-48.56 dBm

2.4835000 GHz

H1

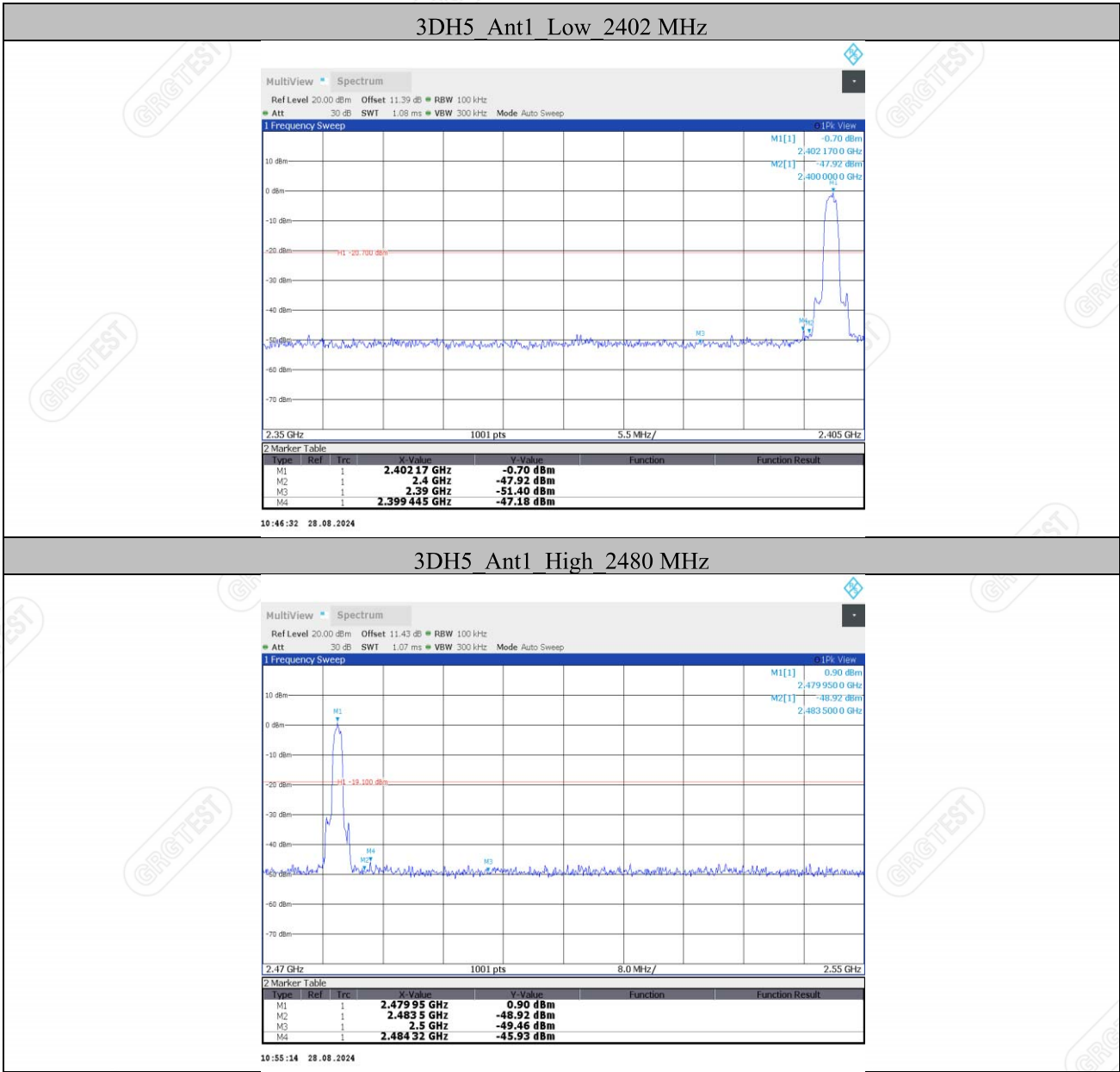
-15.860 dBm

2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		2.47995 GHz	4.14 dBm		
M2	1		2.4835 GHz	-48.56 dBm		
M3	1		2.5 GHz	-49.98 dBm		
M4	1		2.54592 GHz	-46.07 dBm		

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