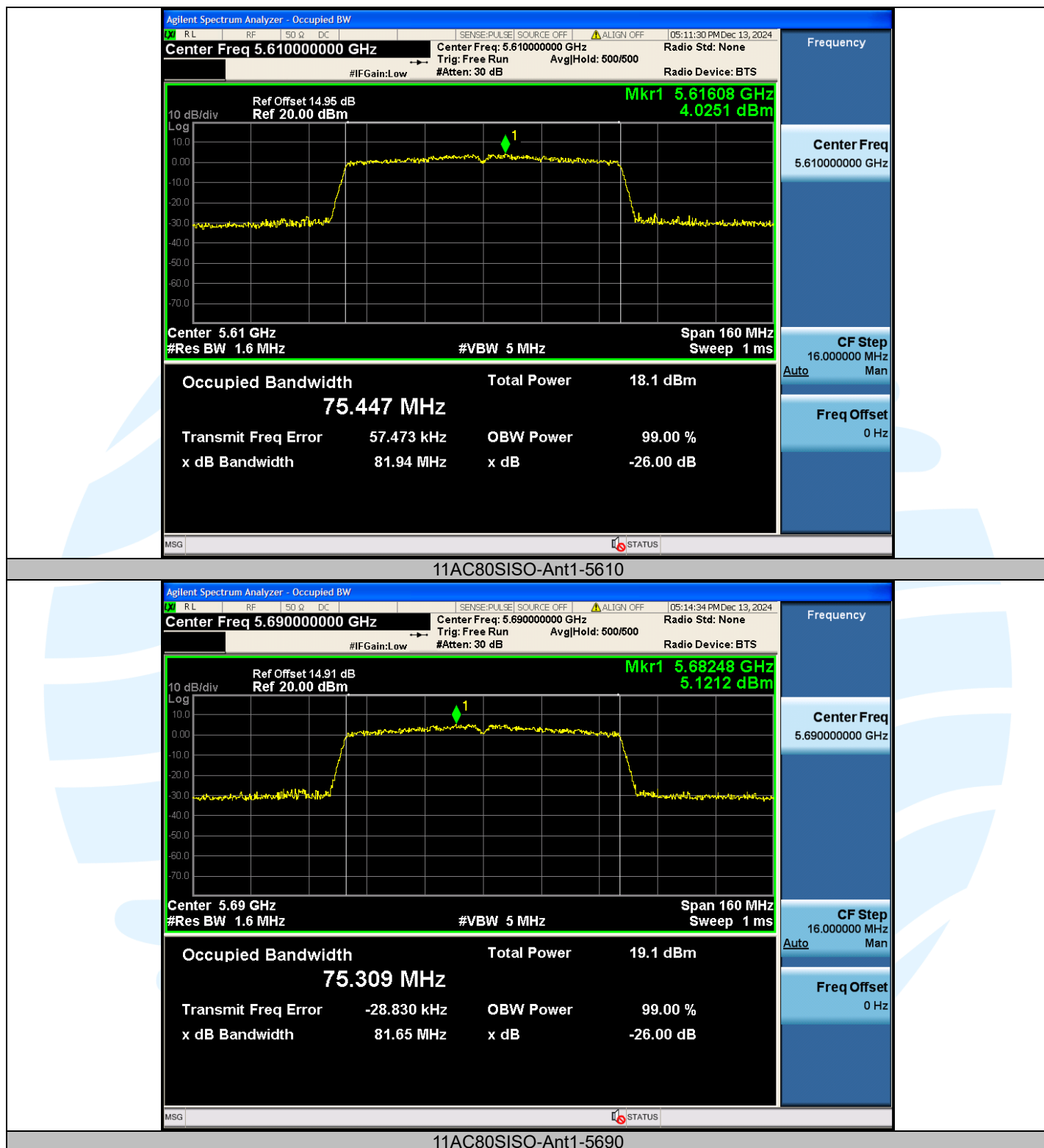




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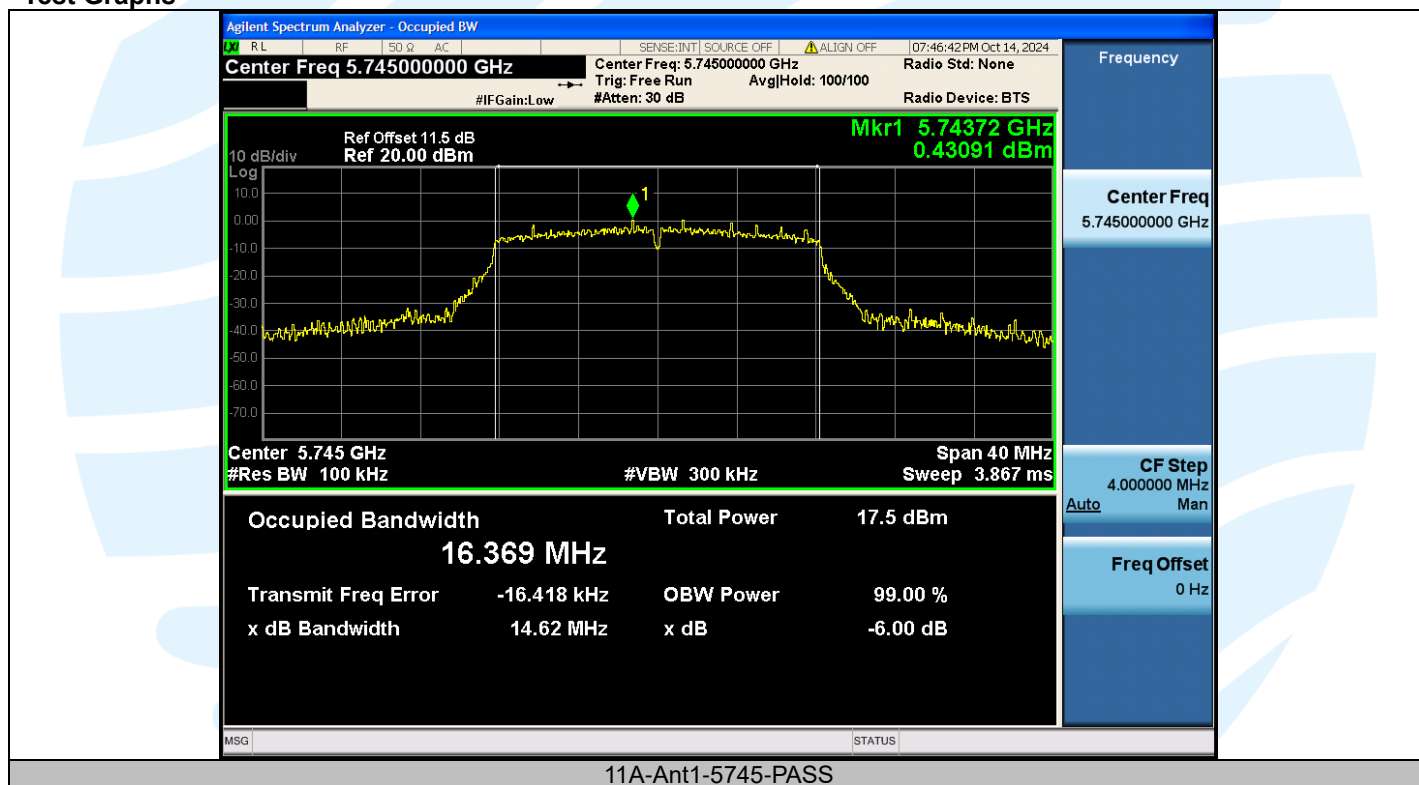
UTTR-RF-FCCPART15.407-V1.2

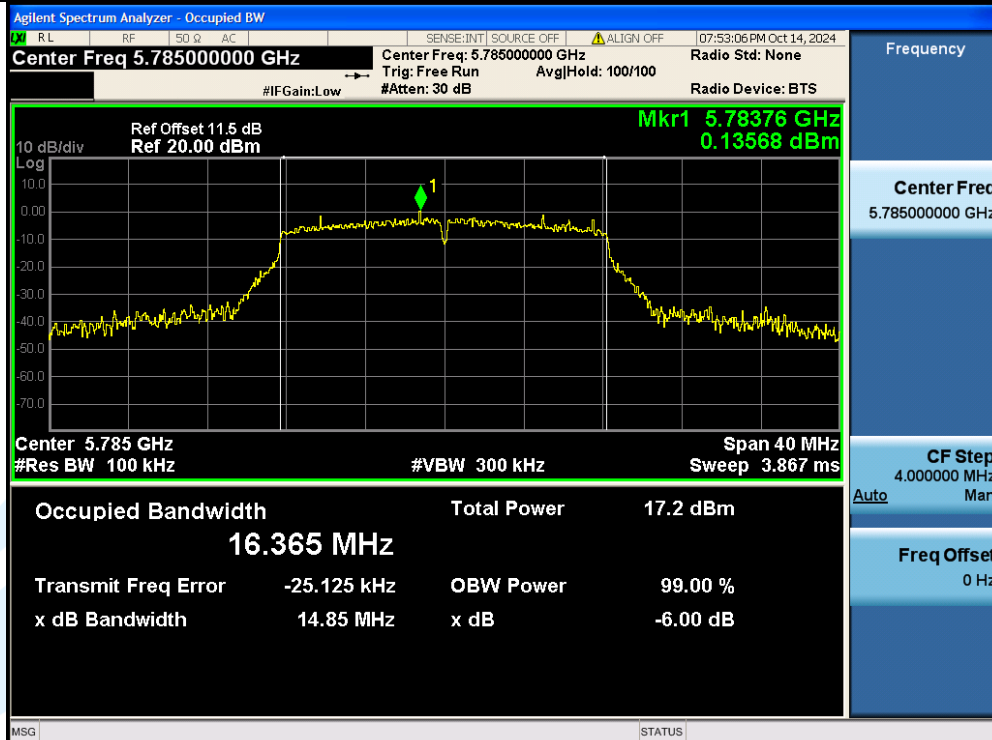
A.3 MIN EMISSION BANDWIDTH

For U-NII-3 band

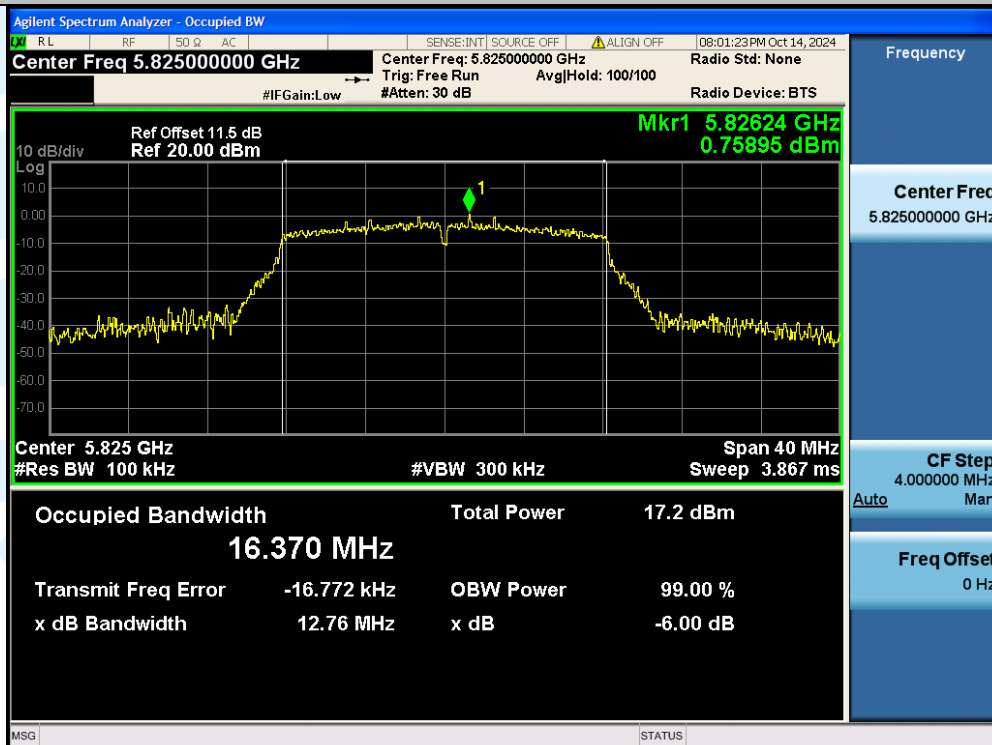
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	14.62	0.5	PASS
11A	Ant1	5785	14.85	0.5	PASS
11A	Ant1	5825	12.76	0.5	PASS
11N20SISO	Ant1	5745	15.16	0.5	PASS
11N20SISO	Ant1	5785	15.70	0.5	PASS
11N20SISO	Ant1	5825	15.10	0.5	PASS
11N40SISO	Ant1	5755	35.14	0.5	PASS
11N40SISO	Ant1	5795	35.16	0.5	PASS
11AC20SISO	Ant1	5745	15.94	0.5	PASS
11AC20SISO	Ant1	5785	15.15	0.5	PASS
11AC20SISO	Ant1	5825	15.12	0.5	PASS
11AC40SISO	Ant1	5755	35.18	0.5	PASS
11AC40SISO	Ant1	5795	33.92	0.5	PASS
11AC80SISO	Ant1	5775	75.15	0.5	PASS

Test Graphs





11A-Ant1-5785-PASS



11A-Ant1-5825-PASS

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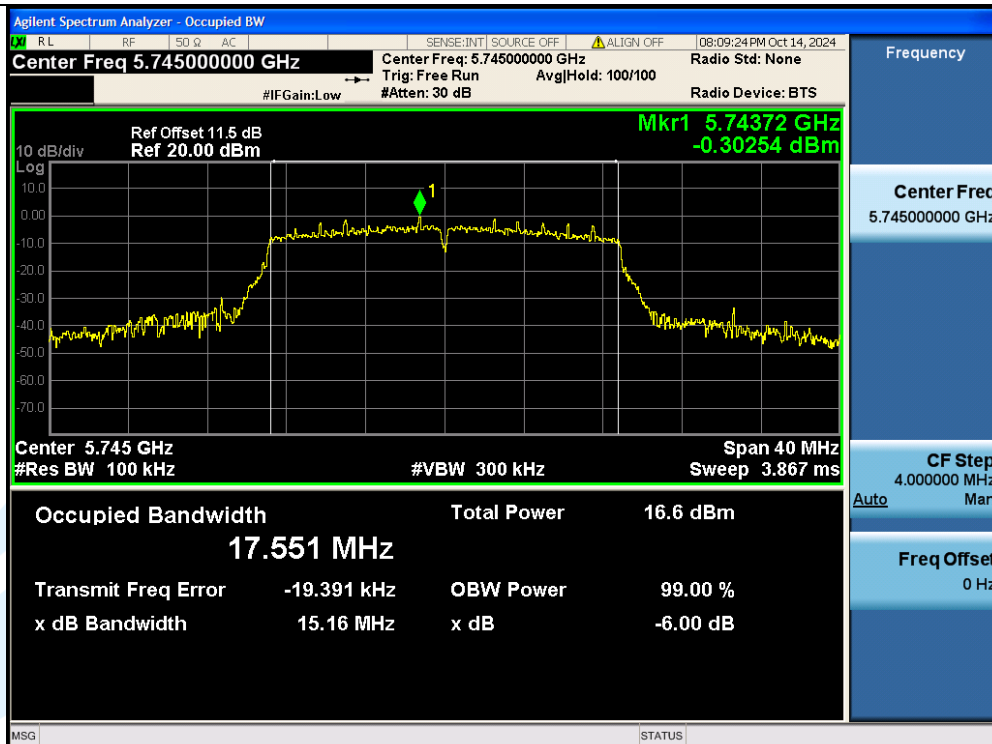
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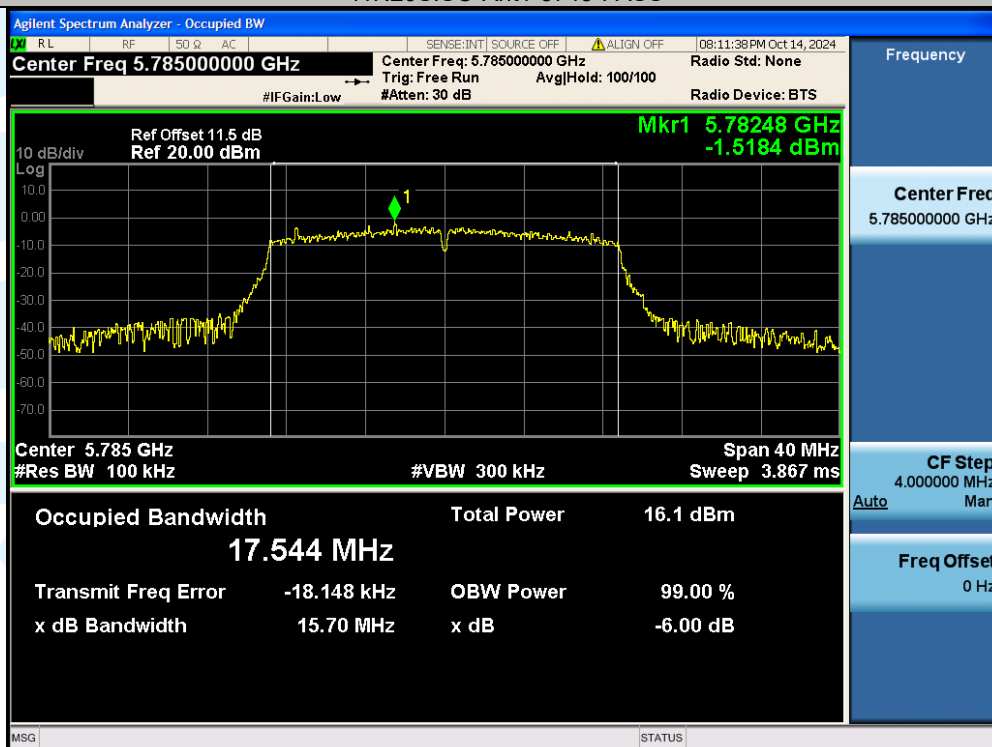
Frequency

Center Freq
5.745000000 GHz

CF Step
4.000000 MHz
Auto Man

Freq Offset
0 Hz

11N20SISO-Ant1-5745-PASS



Frequency

Center Freq
5.785000000 GHz

CF Step
4.000000 MHz
Auto Man

Freq Offset
0 Hz

11N20SISO-Ant1-5785-PASS

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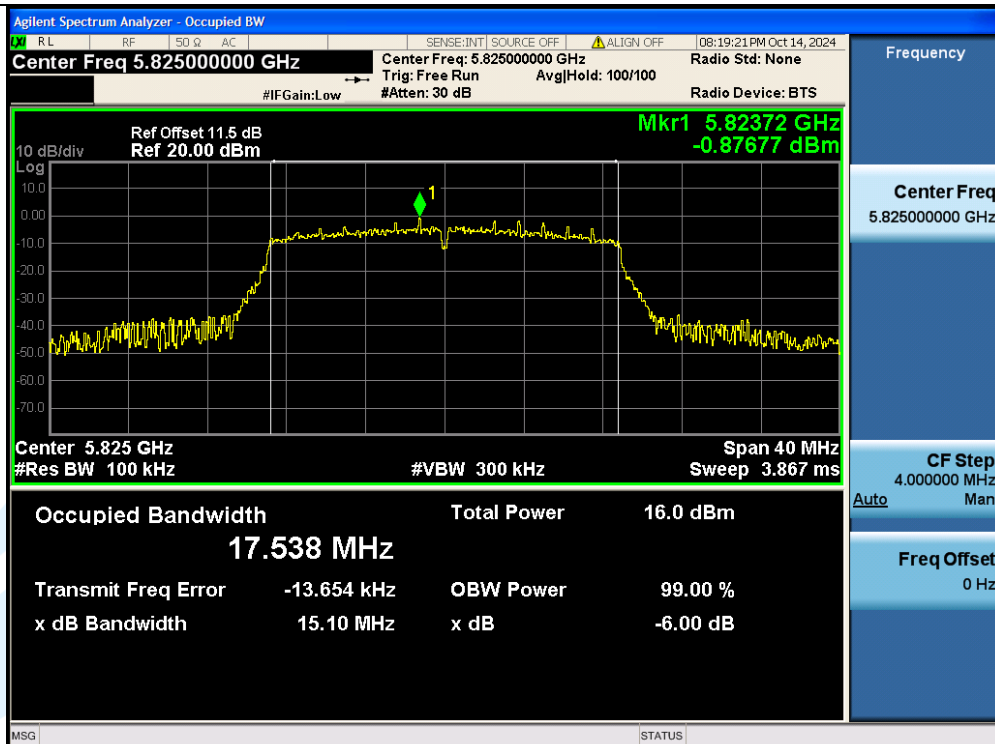
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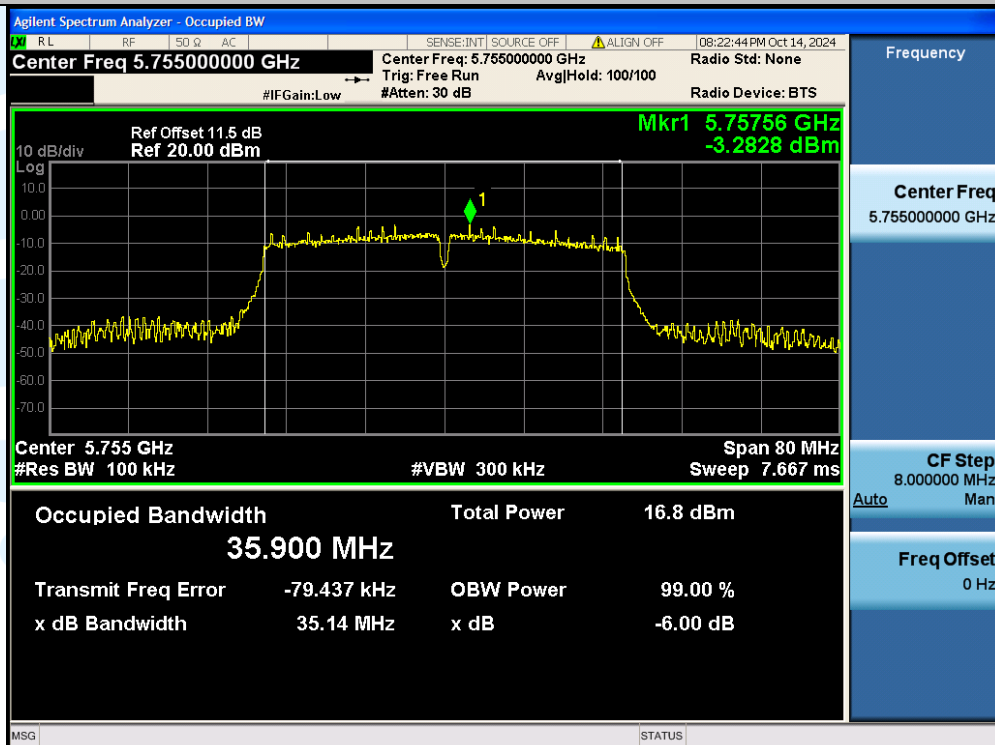
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11N20SISO-Ant1-5825-PASS



11N40SISO-Ant1-5755-PASS

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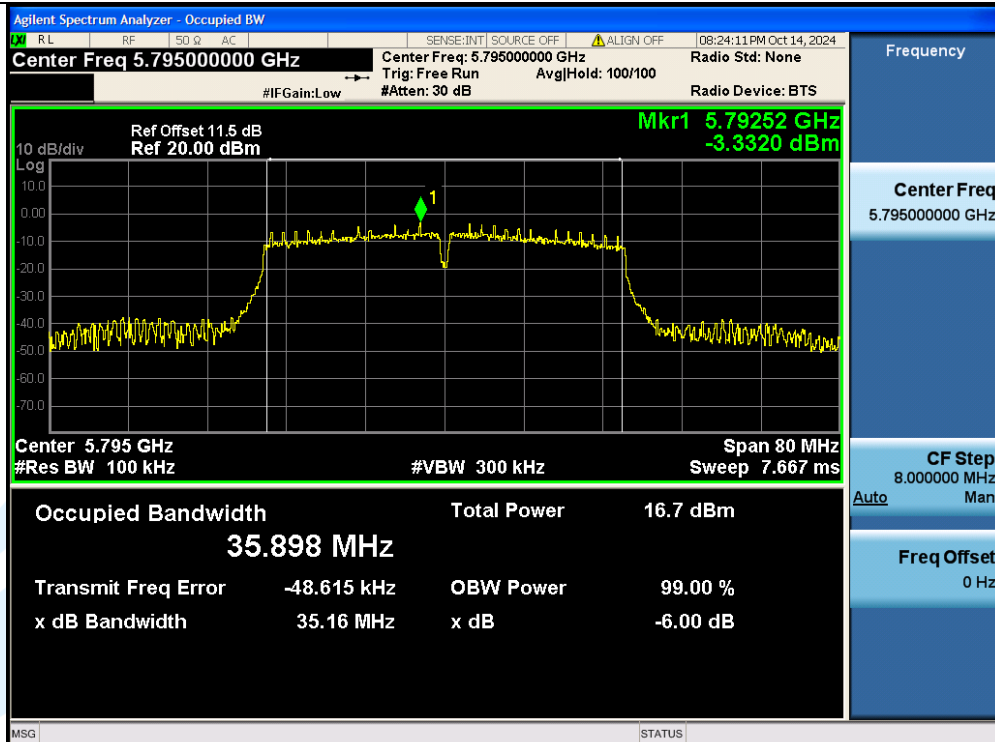
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Fax: +86-755-28230886

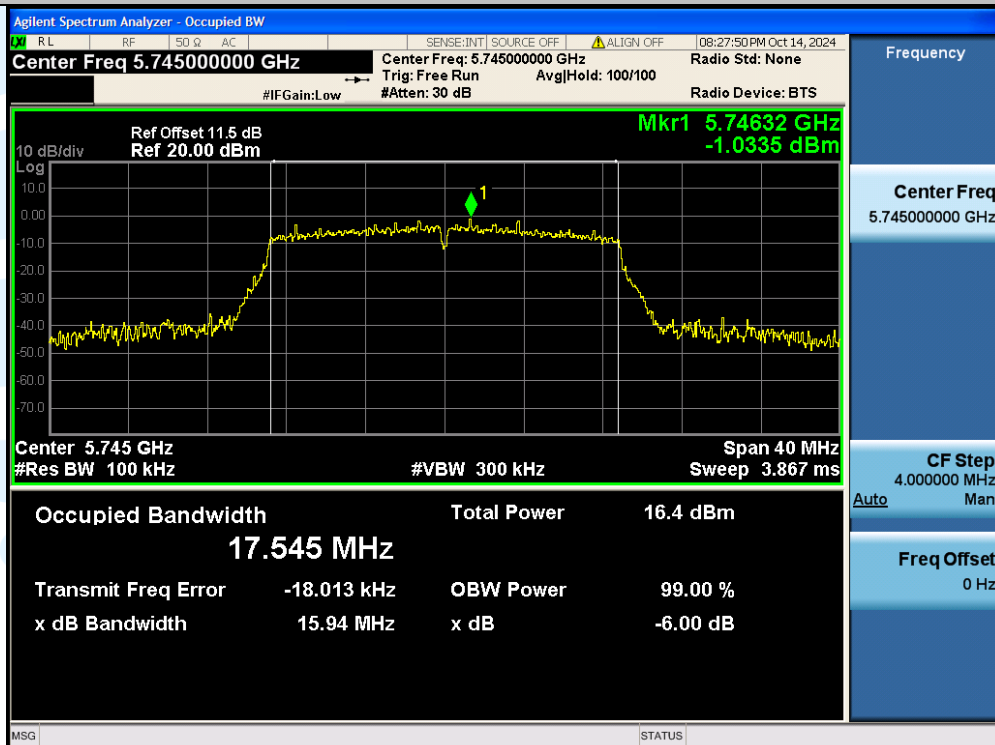
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11N40SISO-Ant1-5795-PASS



11AC20SISO-Ant1-5745-PASS

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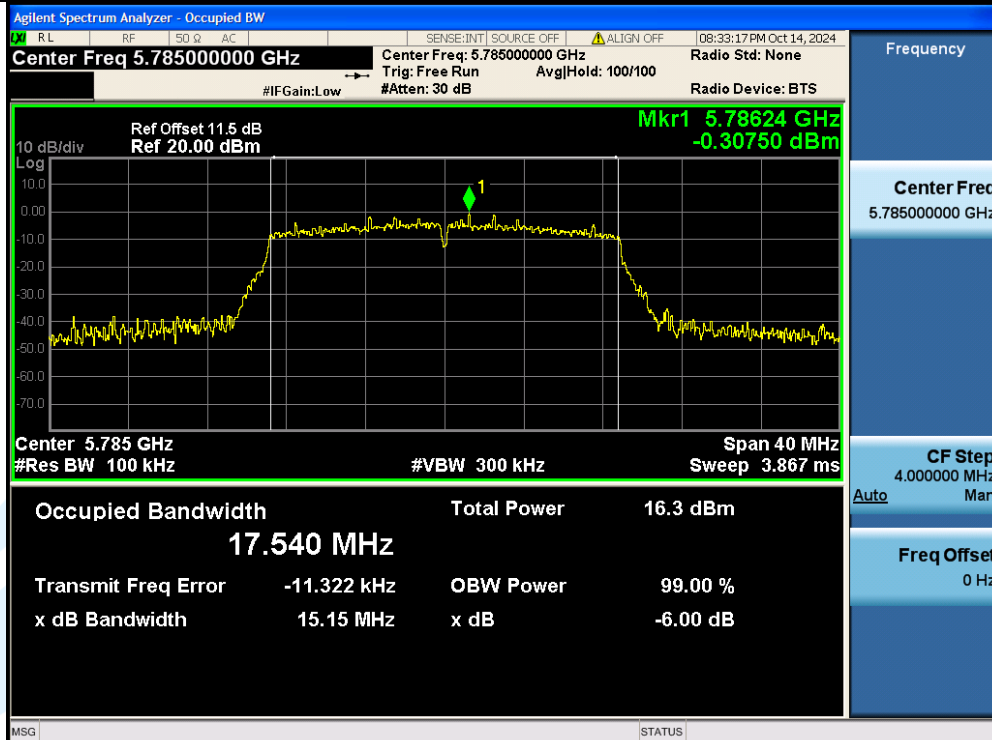
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Fax: +86-755-28230886

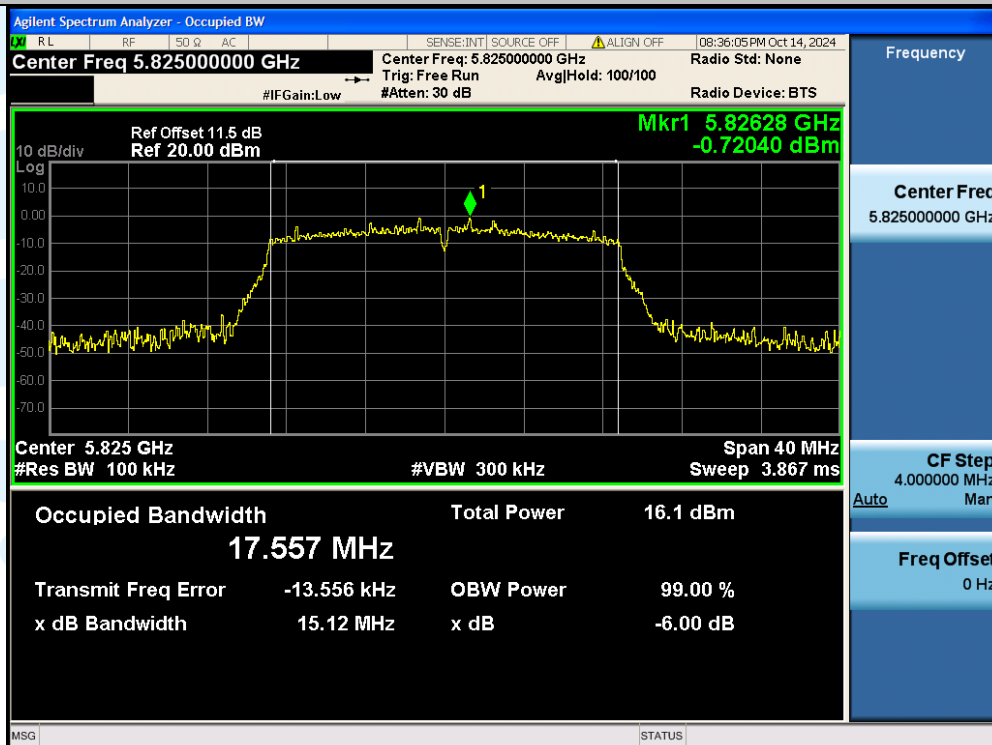
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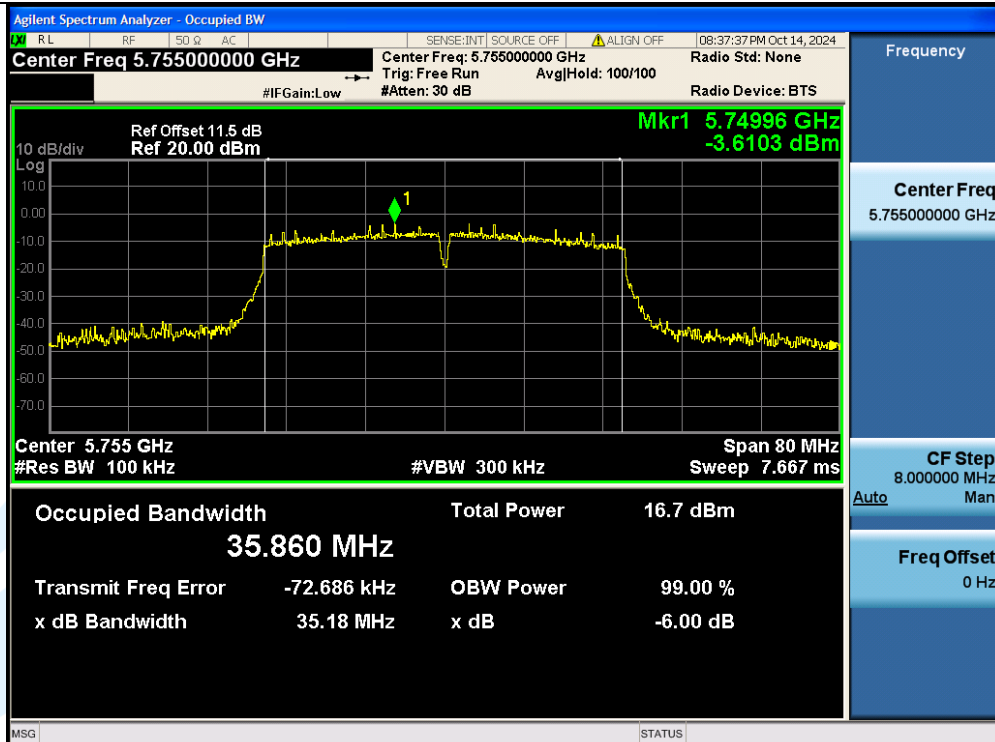
UTTR-RF-FCCPART15.407-V1.2



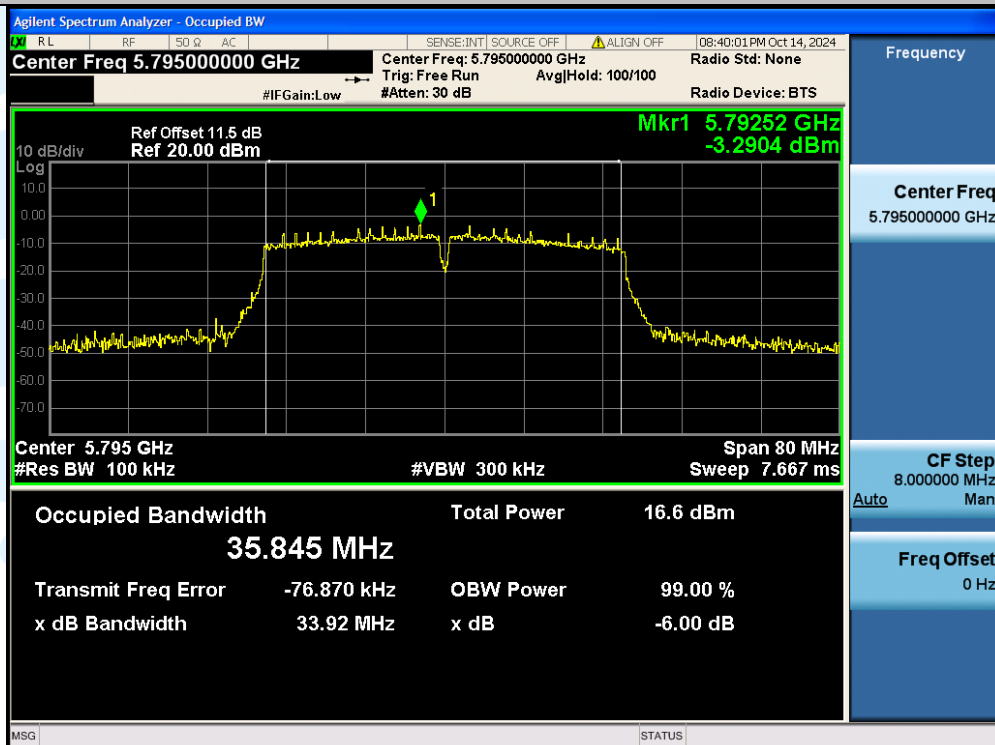
11AC20SISO-Ant1-5785-PASS



11AC20SISO-Ant1-5825-PASS



11AC40SISO-Ant1-5755-PASS



11AC40SISO-Ant1-5795-PASS

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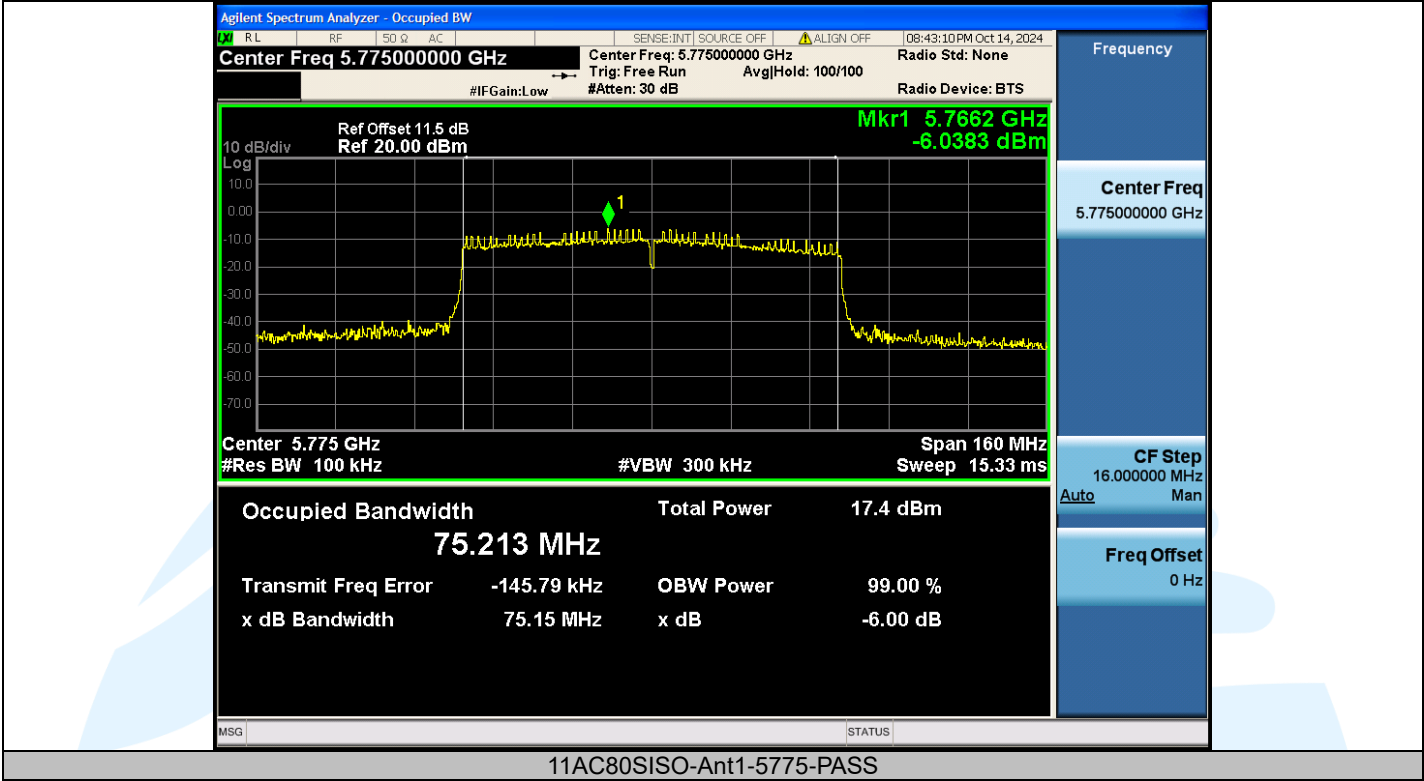
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A.4 MAXIMUM POWER SPECTRAL DENSITY

For U-NII-1, U-NII-2A and U-NII-3 band:

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.90	≤11.00	PASS
11A	Ant1	5220	1.16	≤11.00	PASS
11A	Ant1	5240	1.25	≤11.00	PASS
11A	Ant1	5260	0.79	≤11.00	PASS
11A	Ant1	5300	0.63	≤11.00	PASS
11A	Ant1	5320	0.69	≤11.00	PASS
11A	Ant1	5745	-1.63	≤30.00	PASS
11A	Ant1	5785	-1.60	≤30.00	PASS
11A	Ant1	5825	-1.99	≤30.00	PASS
11N20SISO	Ant1	5180	0.29	≤11.00	PASS
11N20SISO	Ant1	5220	-0.12	≤11.00	PASS
11N20SISO	Ant1	5240	-0.19	≤11.00	PASS
11N20SISO	Ant1	5260	-0.33	≤11.00	PASS
11N20SISO	Ant1	5300	-0.59	≤11.00	PASS
11N20SISO	Ant1	5320	-0.50	≤11.00	PASS
11N20SISO	Ant1	5745	-2.49	≤30.00	PASS
11N20SISO	Ant1	5785	-3.09	≤30.00	PASS
11N20SISO	Ant1	5825	-3.40	≤30.00	PASS
11N40SISO	Ant1	5190	-2.54	≤11.00	PASS
11N40SISO	Ant1	5230	-3.13	≤11.00	PASS
11N40SISO	Ant1	5270	-3.57	≤11.00	PASS
11N40SISO	Ant1	5310	-3.62	≤11.00	PASS
11N40SISO	Ant1	5755	-5.81	≤30.00	PASS
11N40SISO	Ant1	5795	-6.29	≤30.00	PASS
11AC20SISO	Ant1	5180	0.67	≤11.00	PASS
11AC20SISO	Ant1	5220	0.09	≤11.00	PASS
11AC20SISO	Ant1	5240	-0.16	≤11.00	PASS
11AC20SISO	Ant1	5260	-0.41	≤11.00	PASS
11AC20SISO	Ant1	5300	-0.77	≤11.00	PASS
11AC20SISO	Ant1	5320	-0.75	≤11.00	PASS
11AC20SISO	Ant1	5745	-2.84	≤30.00	PASS
11AC20SISO	Ant1	5785	-3.42	≤30.00	PASS
11AC20SISO	Ant1	5825	-3.46	≤30.00	PASS
11AC40SISO	Ant1	5190	-2.64	≤11.00	PASS
11AC40SISO	Ant1	5230	-3.29	≤11.00	PASS
11AC40SISO	Ant1	5270	-3.52	≤11.00	PASS
11AC40SISO	Ant1	5310	-3.60	≤11.00	PASS
11AC40SISO	Ant1	5755	-6.15	≤30.00	PASS
11AC40SISO	Ant1	5795	-5.80	≤30.00	PASS
11AC80SISO	Ant1	5210	-6.22	≤11.00	PASS
11AC80SISO	Ant1	5290	-6.82	≤11.00	PASS
11AC80SISO	Ant1	5775	-9.37	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

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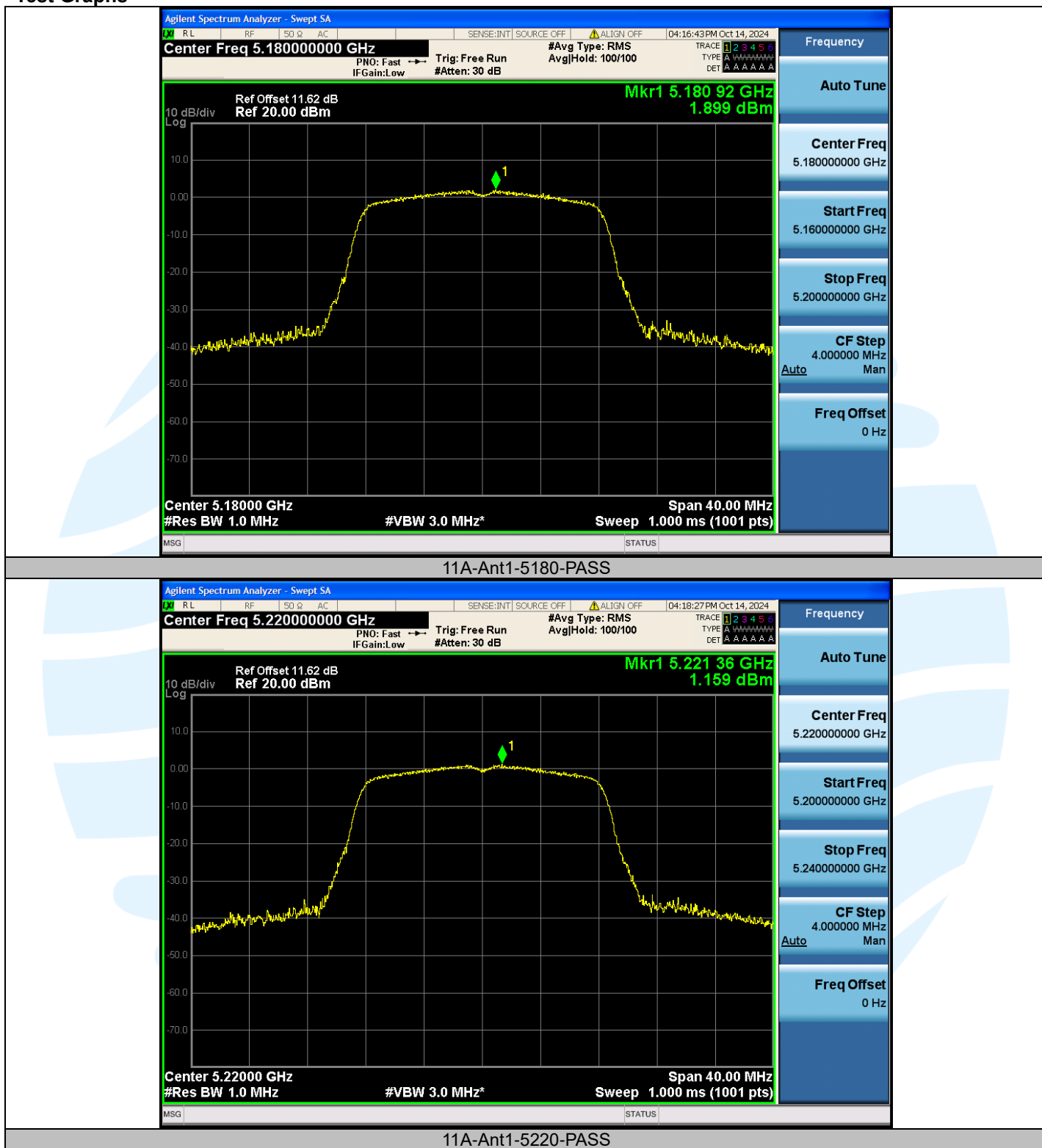
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Test Graphs



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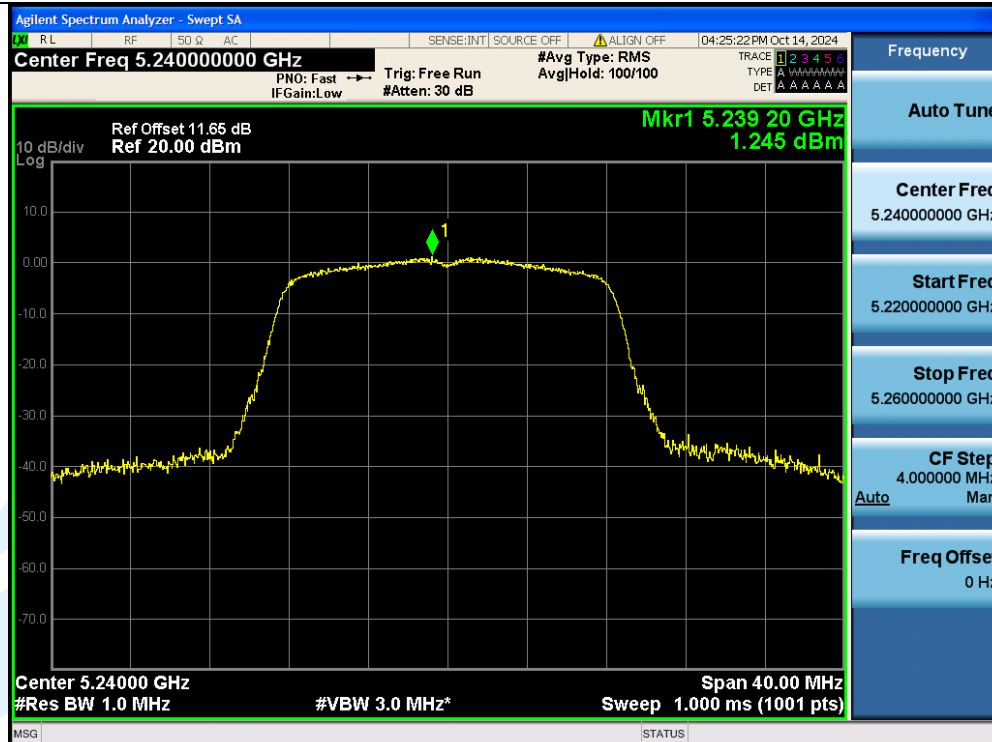
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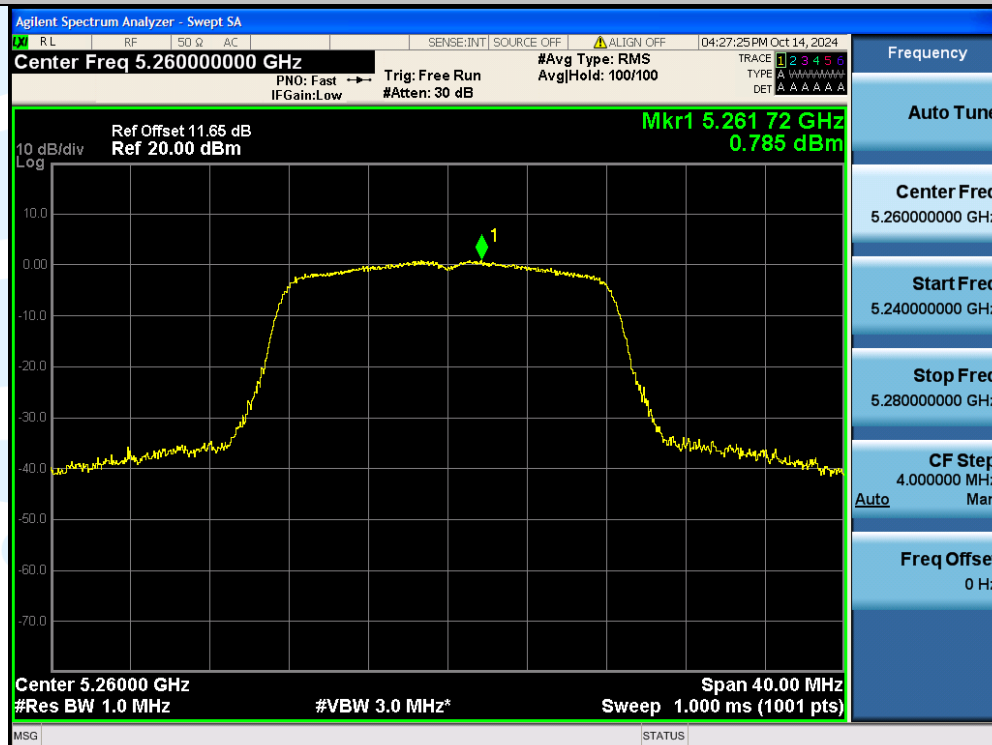
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11A-Ant1-5240-PASS



11A-Ant1-5260-PASS

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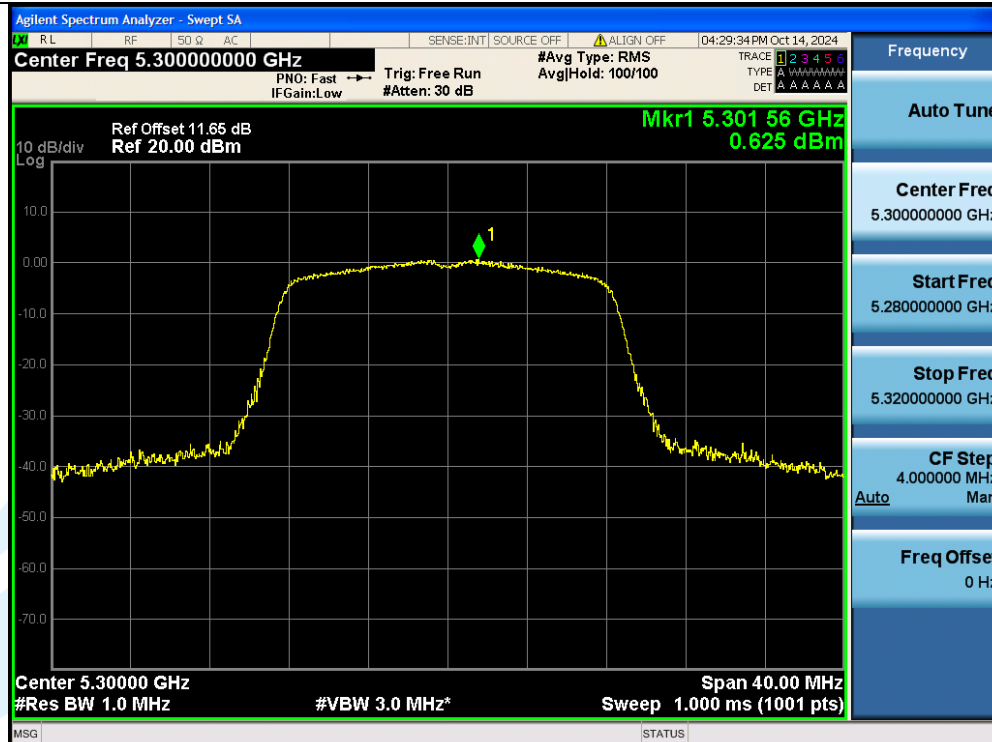
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Fax: +86-755-28230886

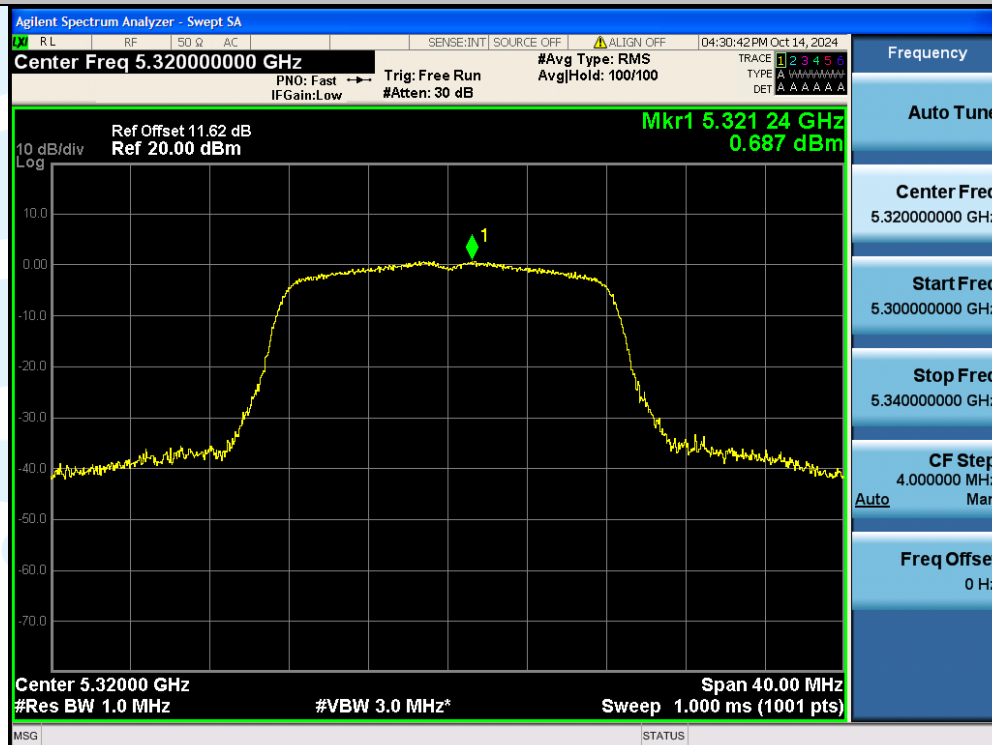
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11A-Ant1-5300-PASS



11A-Ant1-5320-PASS

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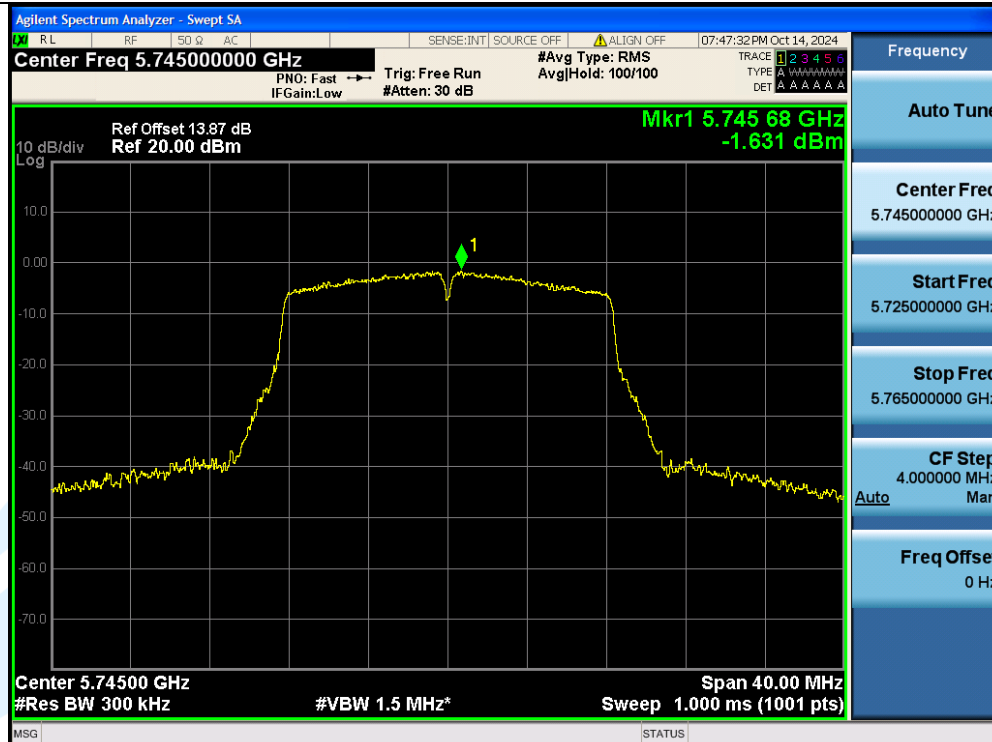
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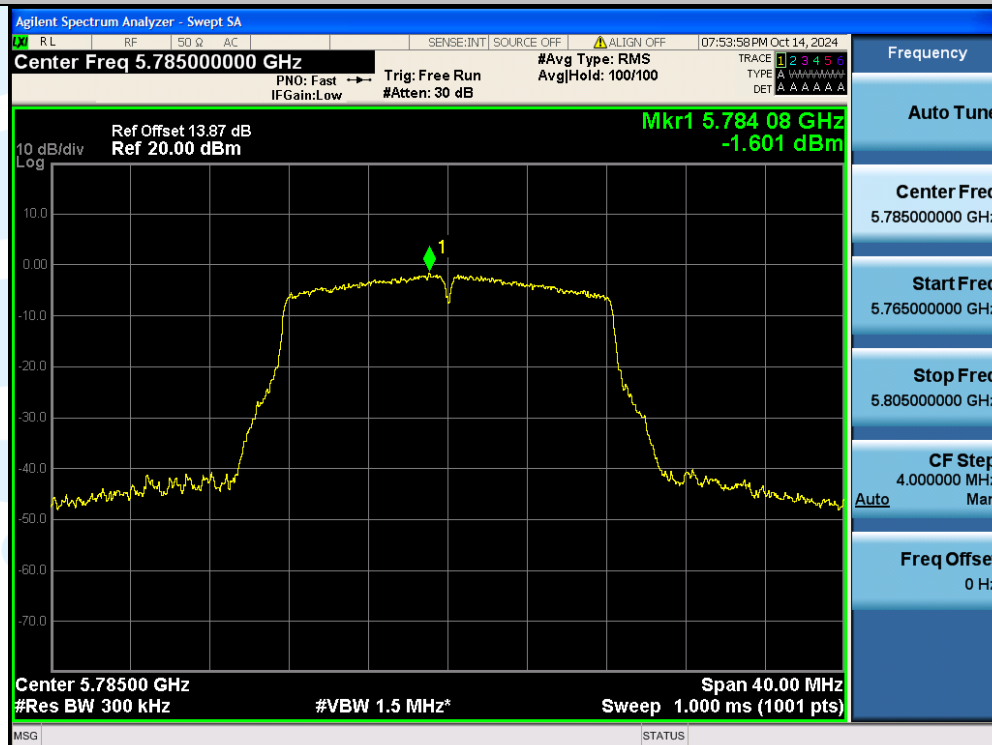
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11A-Ant1-5745-PASS



11A-Ant1-5785-PASS

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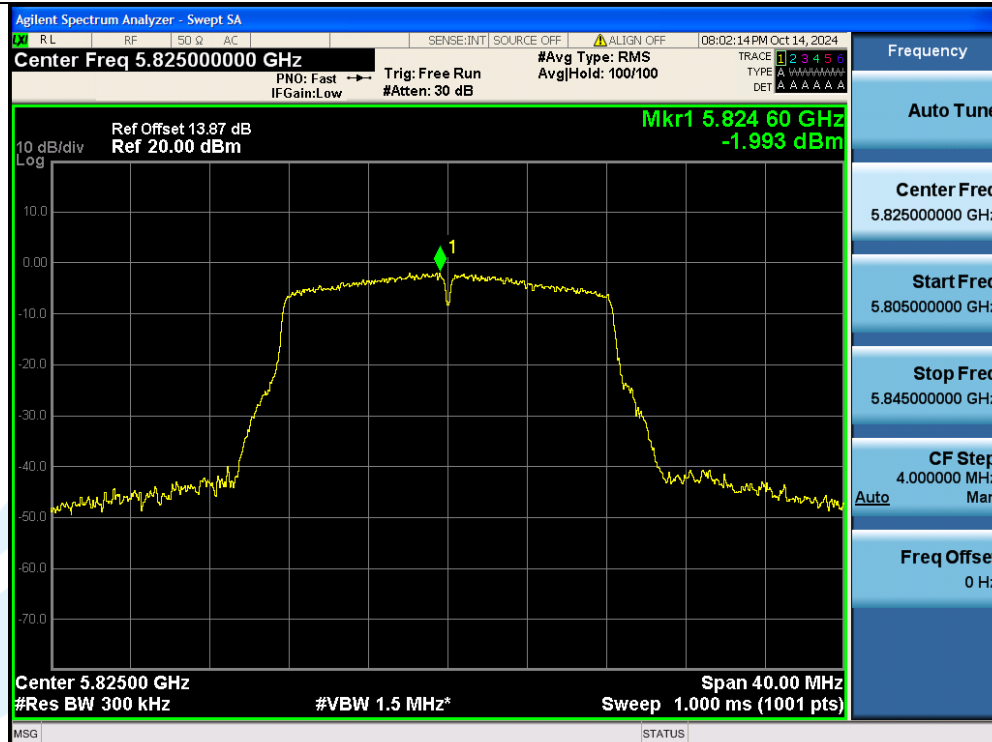
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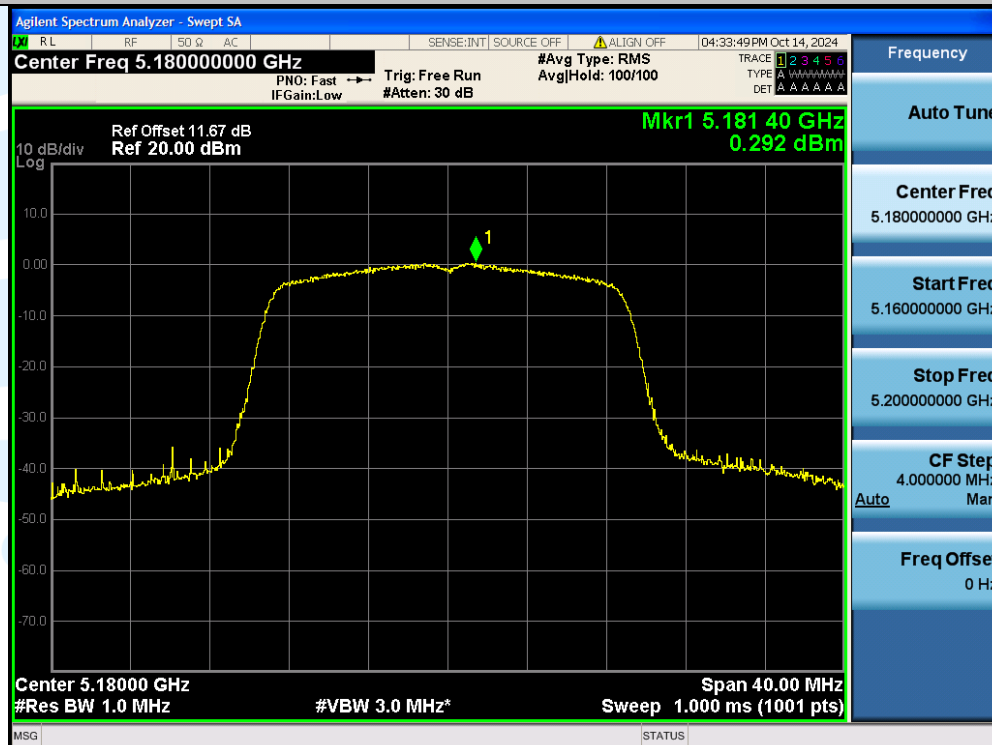
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11A-Ant1-5825-PASS



11N20SISO-Ant1-5180-PASS

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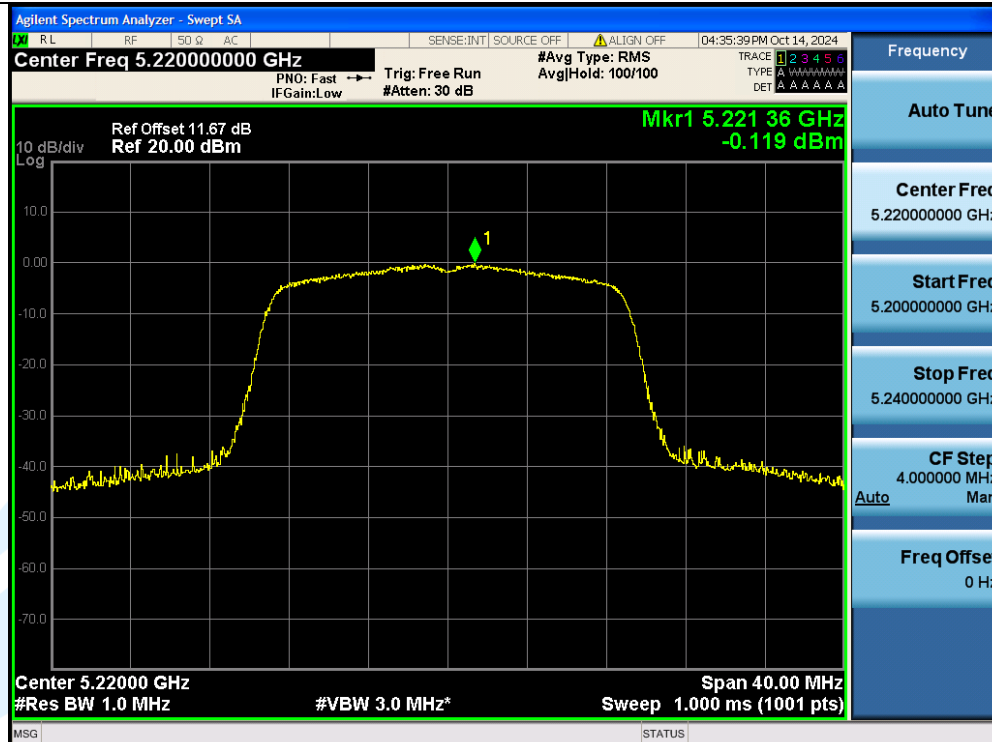
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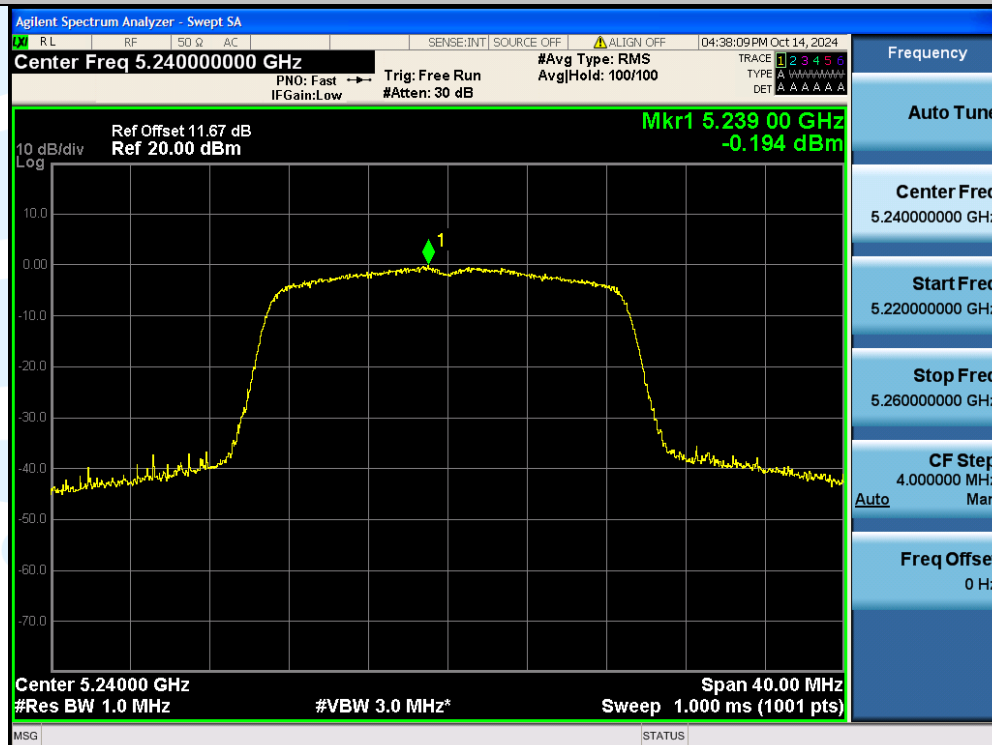
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11N20SISO-Ant1-5220-PASS



11N20SISO-Ant1-5240-PASS

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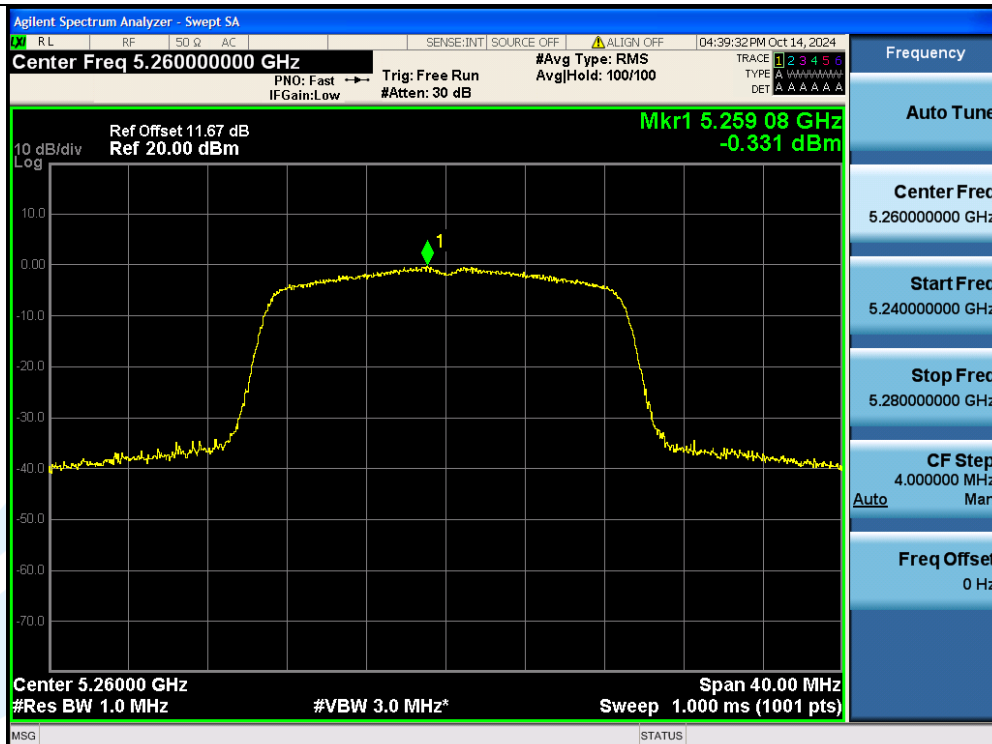
Tel: +86-755-28230888

Fax: +86-755-28230886

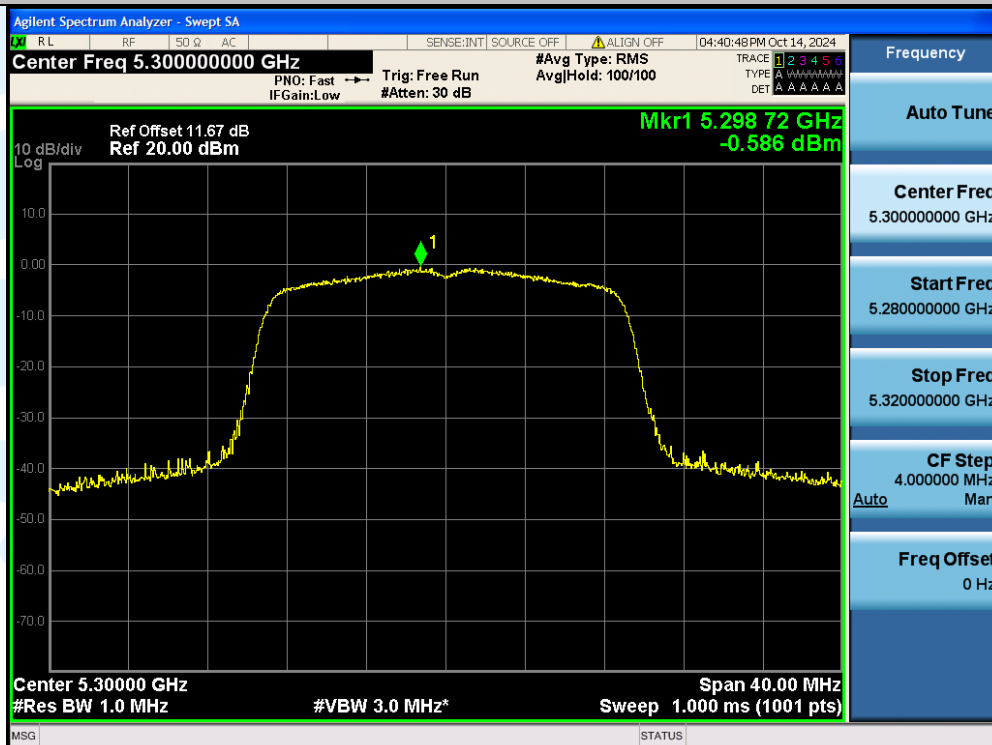
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11N20SISO-Ant1-5260-PASS



11N20SISO-Ant1-5300-PASS

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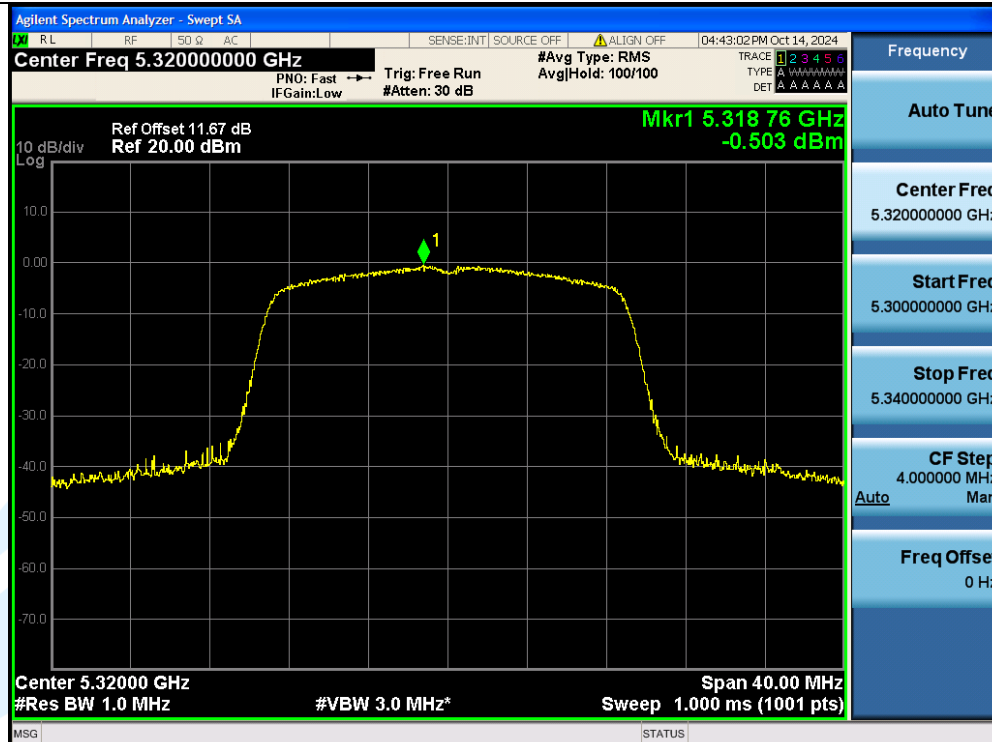
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Fax: +86-755-28230886

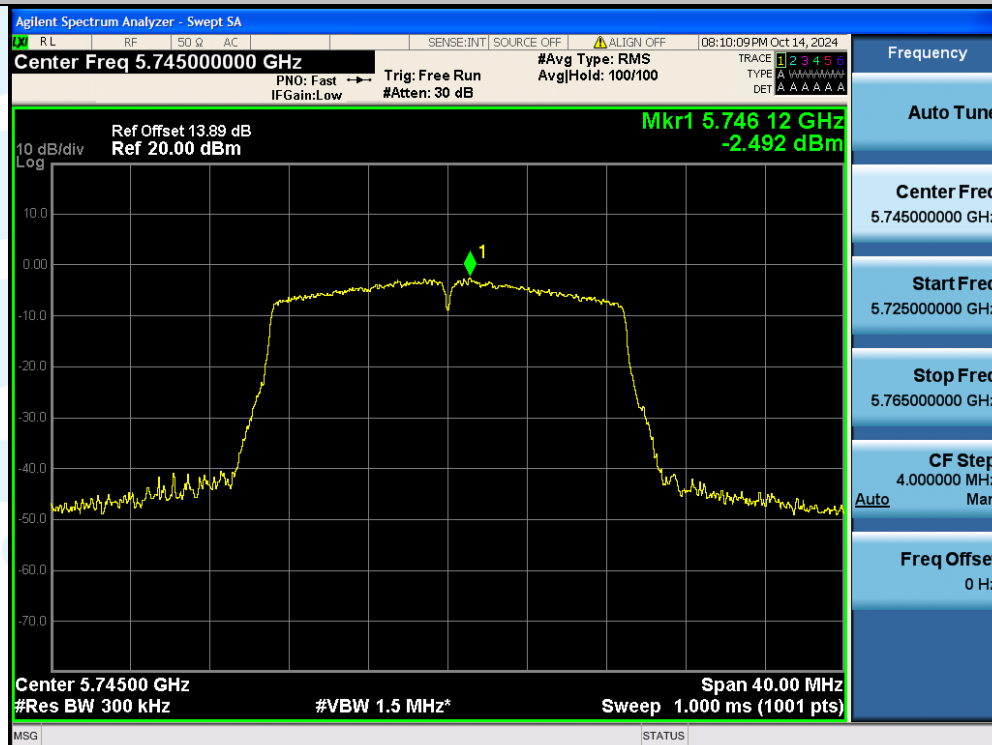
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11N20SISO-Ant1-5320-PASS



11N20SISO-Ant1-5745-PASS

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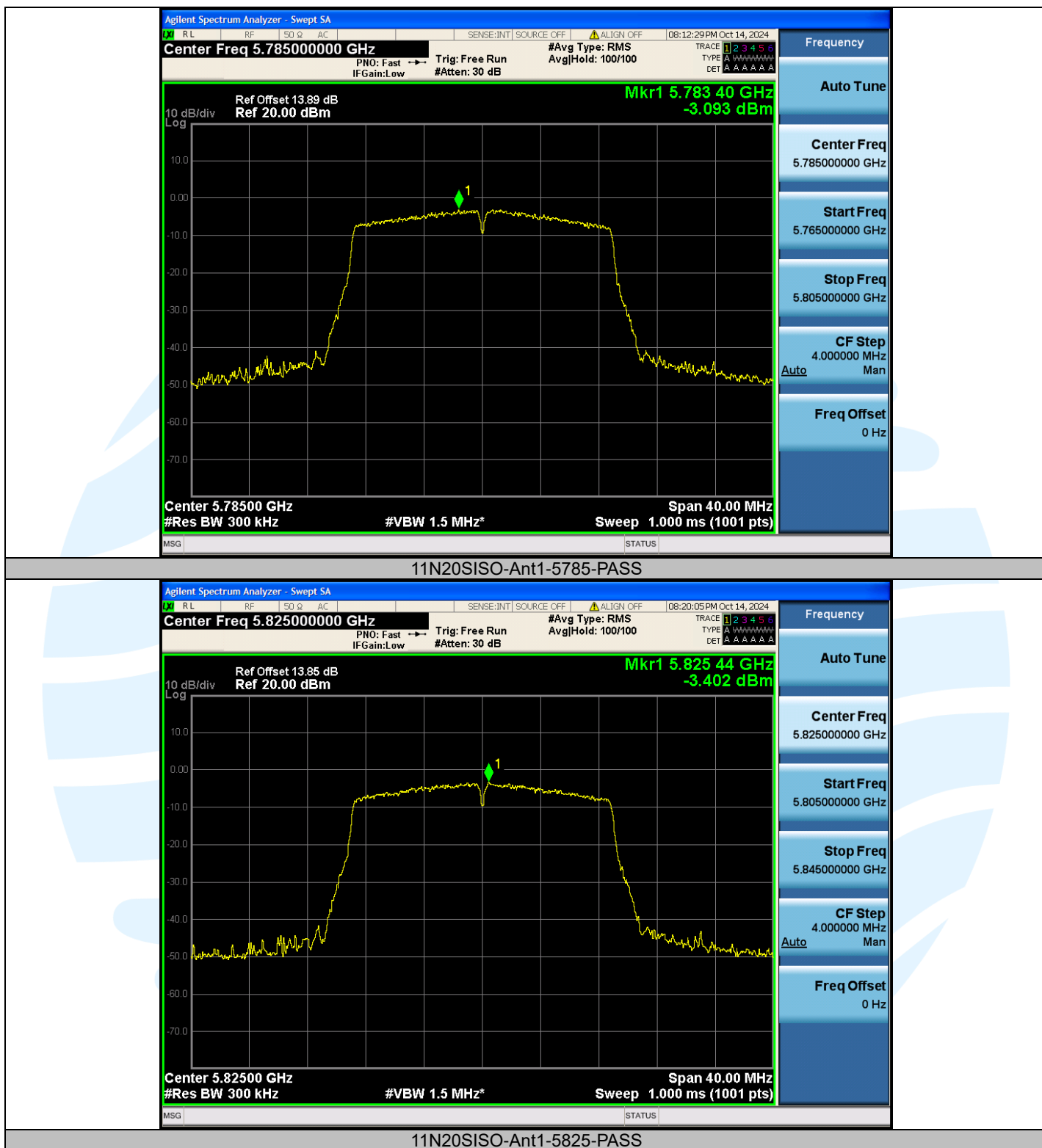
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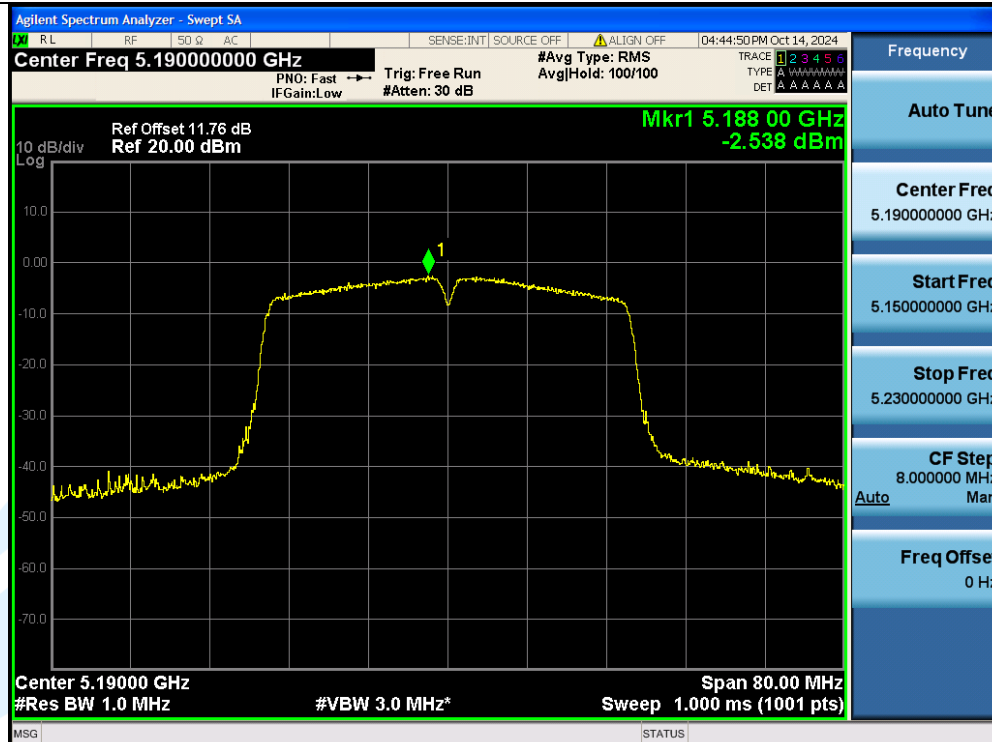
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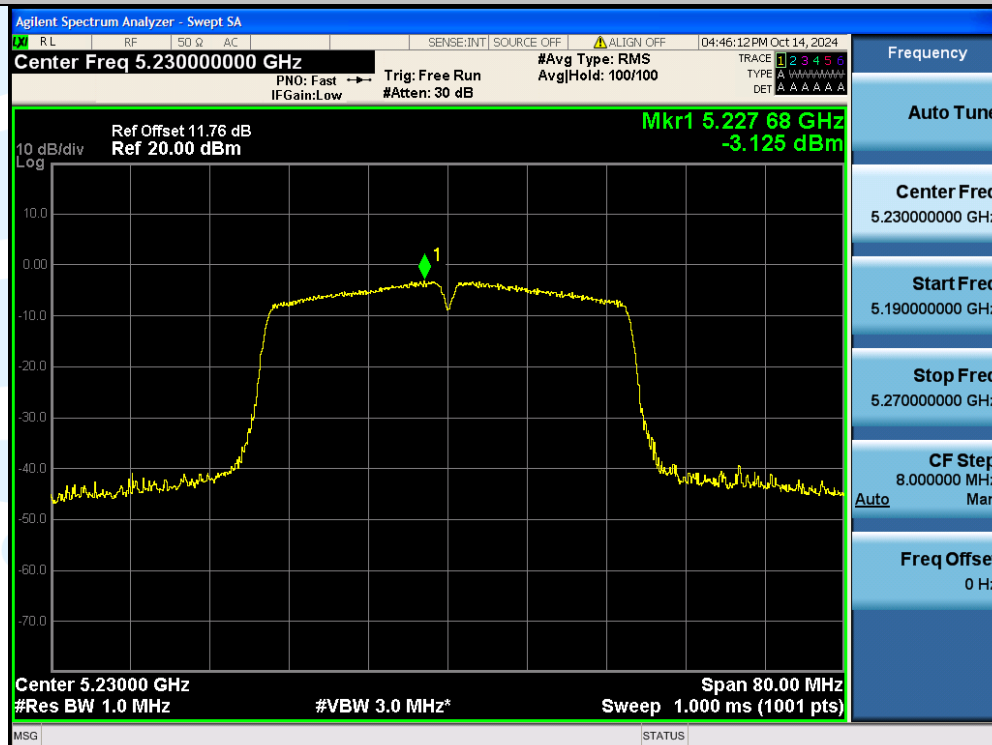
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11N40SISO-Ant1-5190-PASS



11N40SISO-Ant1-5230-PASS

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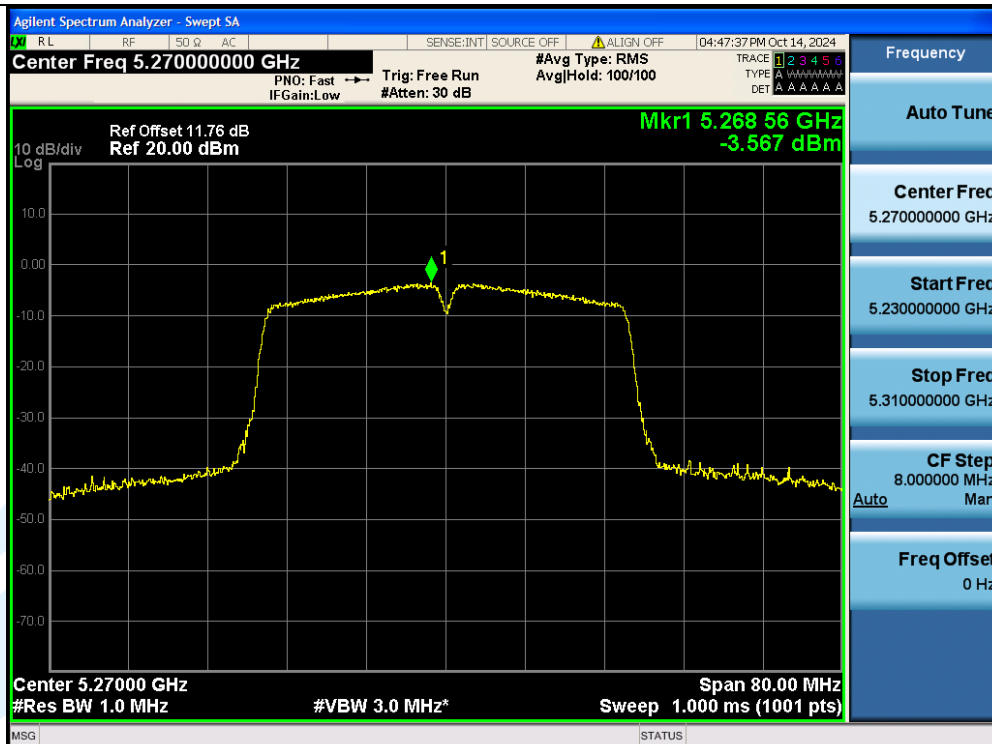
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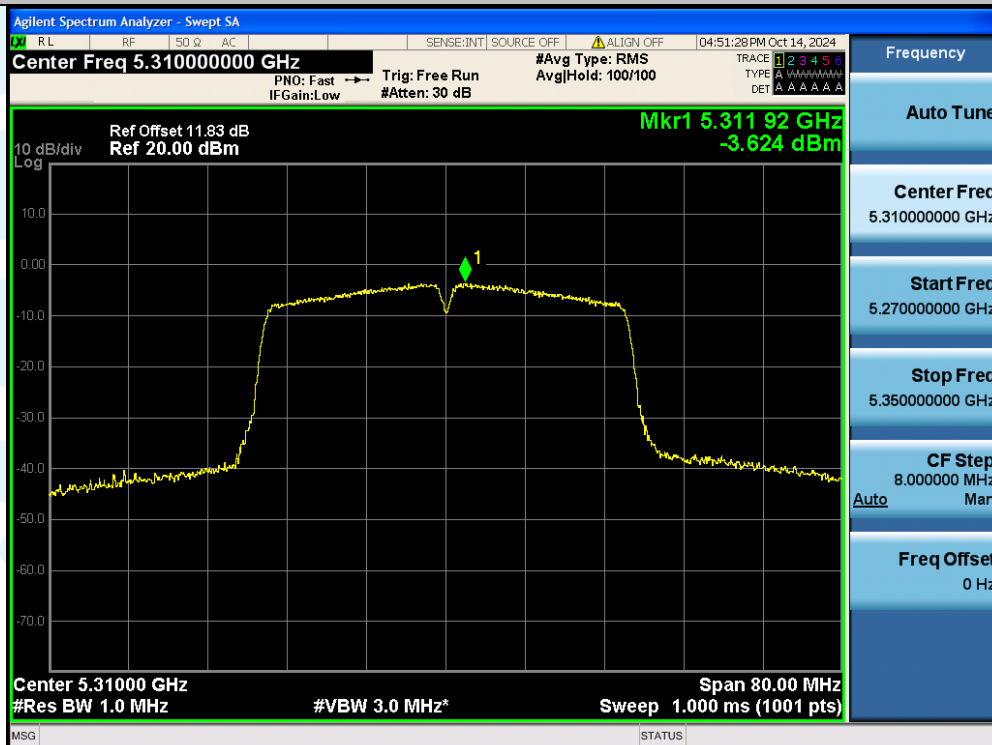
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11N40SISO-Ant1-5270-PASS



11N40SISO-Ant1-5310-PASS

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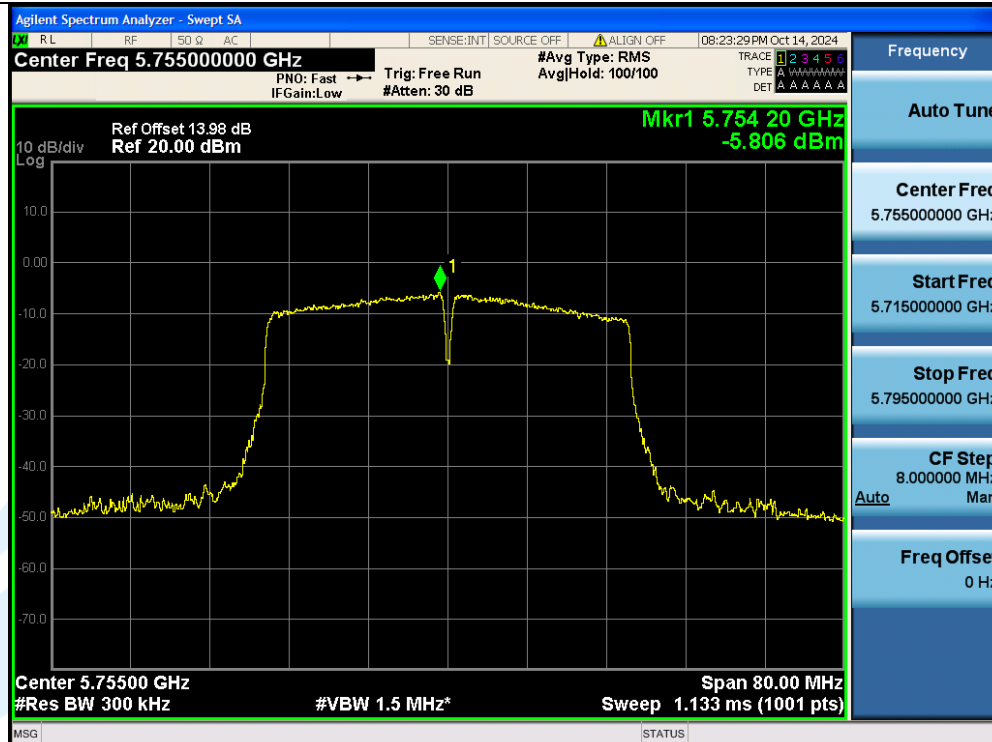
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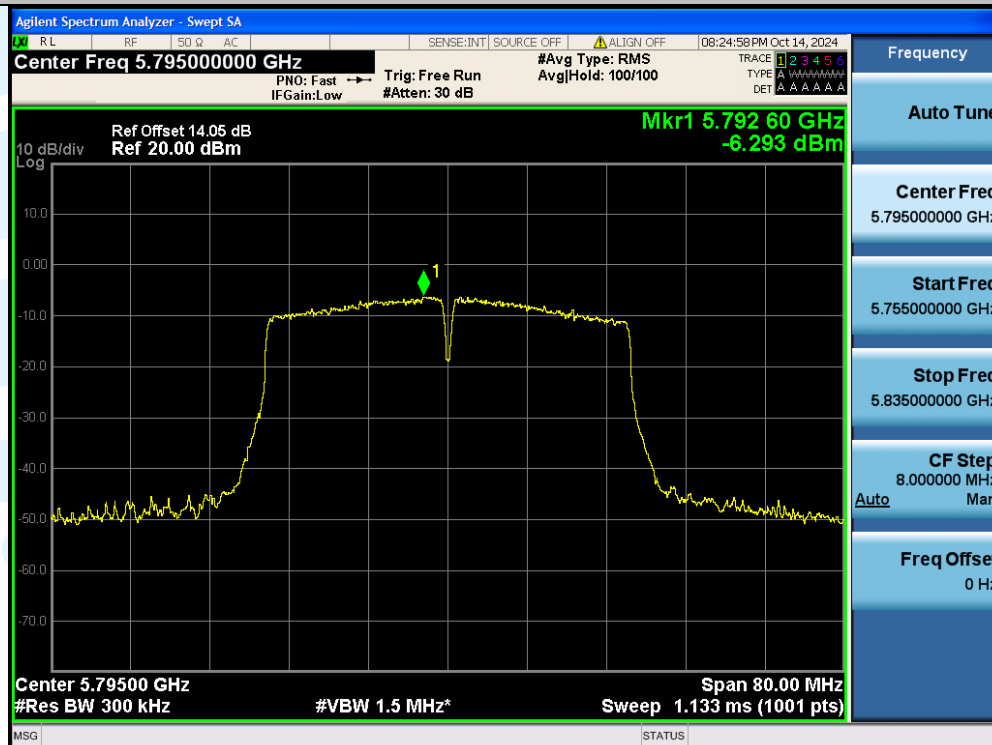
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11N40SISO-Ant1-5755-PASS



11N40SISO-Ant1-5795-PASS

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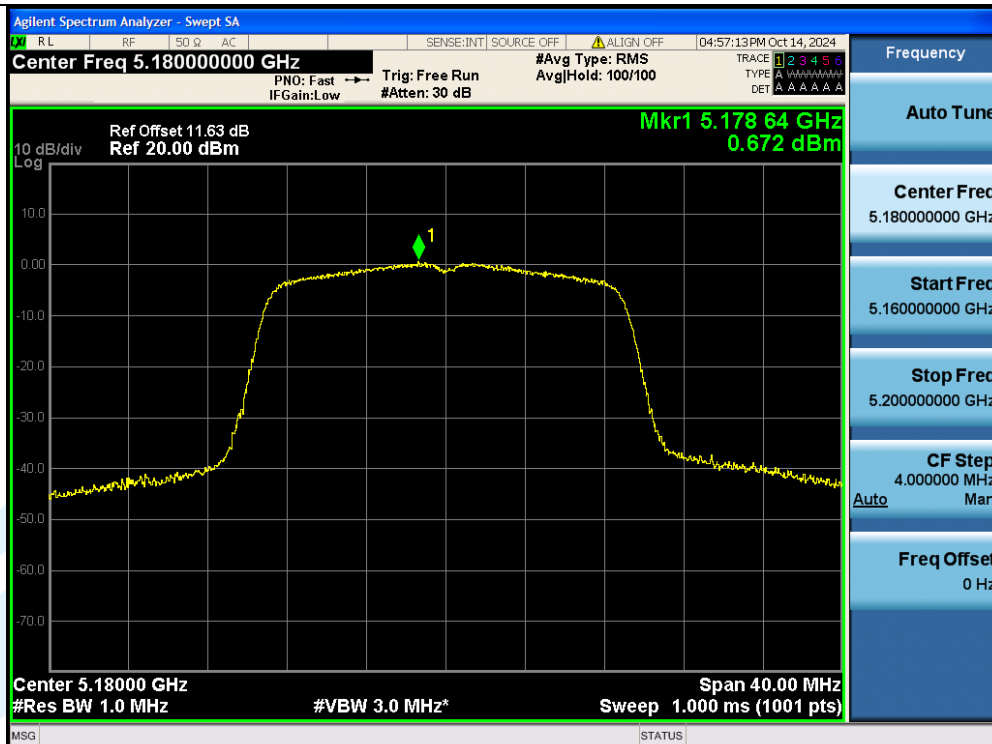
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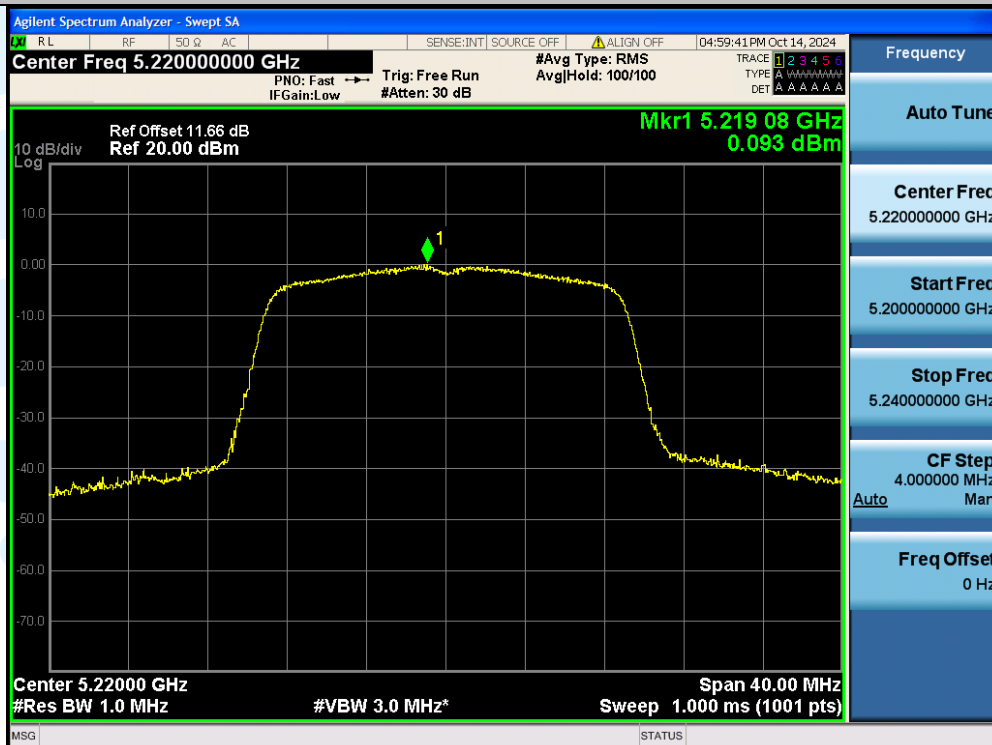
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11AC20SISO-Ant1-5180-PASS



11AC20SISO-Ant1-5220-PASS

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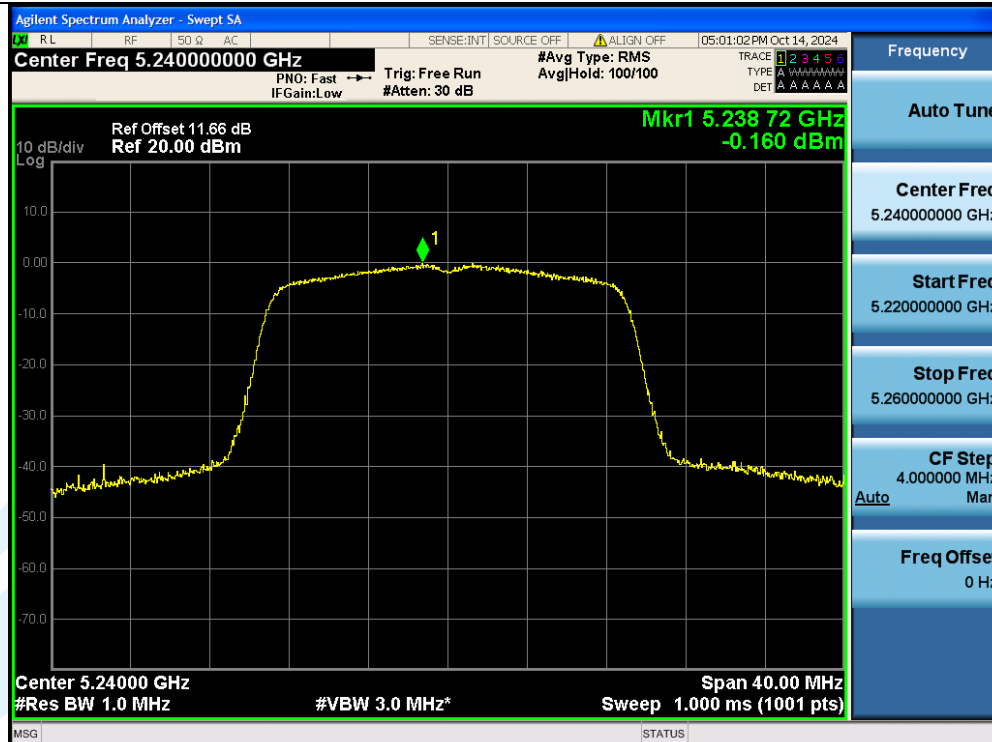
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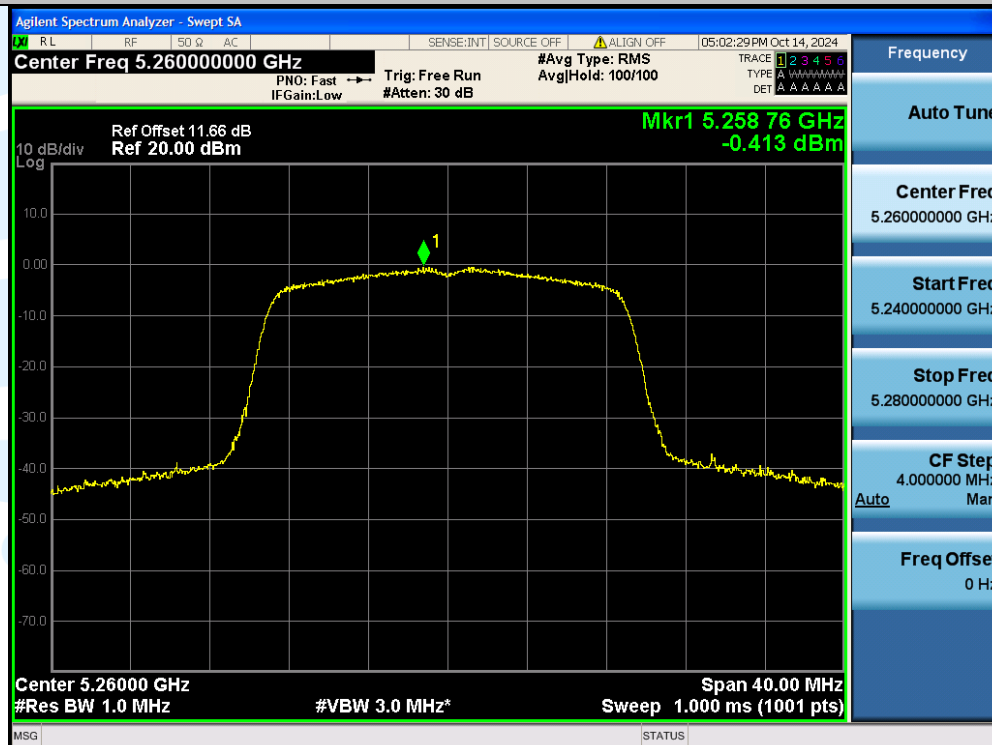
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11AC20SISO-Ant1-5240-PASS



11AC20SISO-Ant1-5260-PASS

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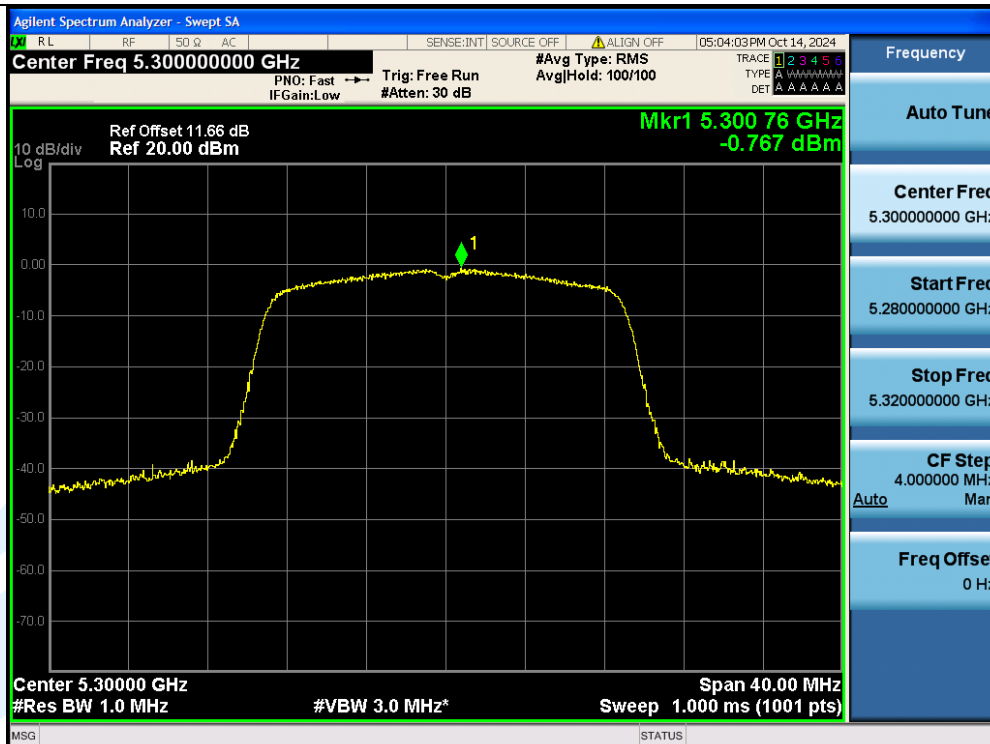
Tel: +86-755-28230888

Fax: +86-755-28230886

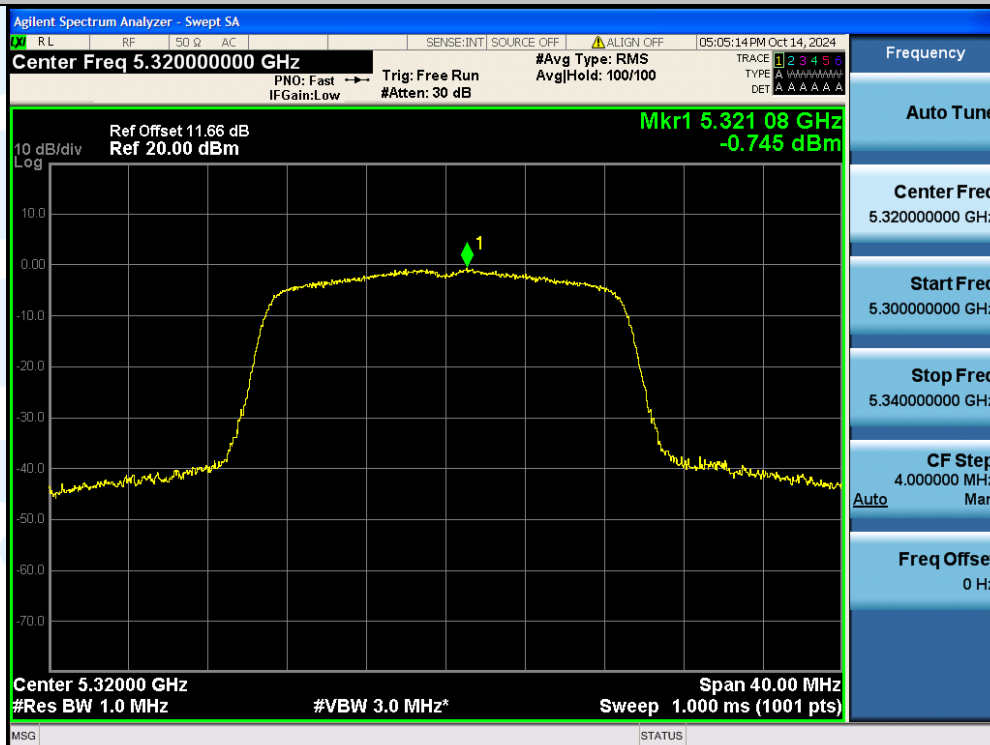
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11AC20SISO-Ant1-5300-PASS



11AC20SISO-Ant1-5320-PASS

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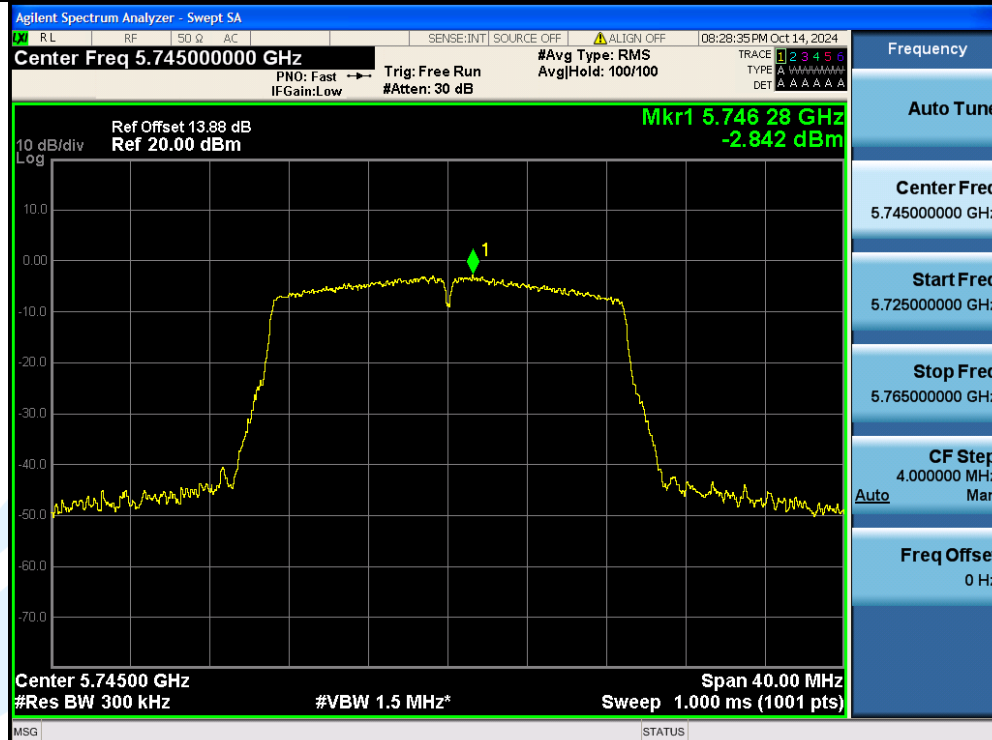
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Fax: +86-755-28230886

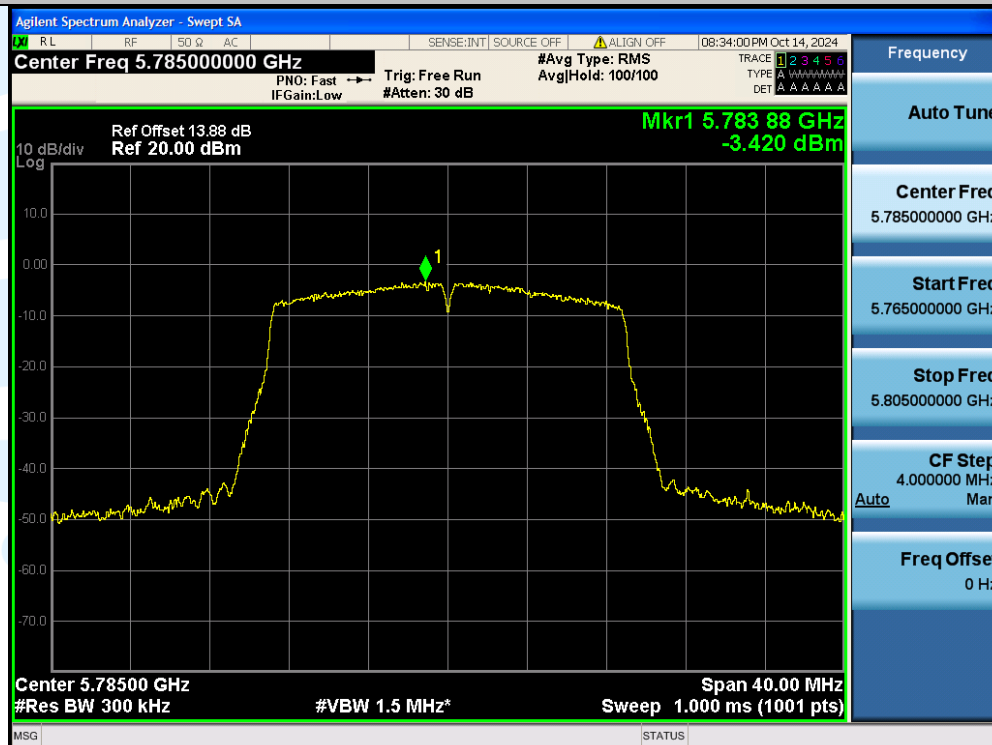
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11AC20SISO-Ant1-5745-PASS



11AC20SISO-Ant1-5785-PASS

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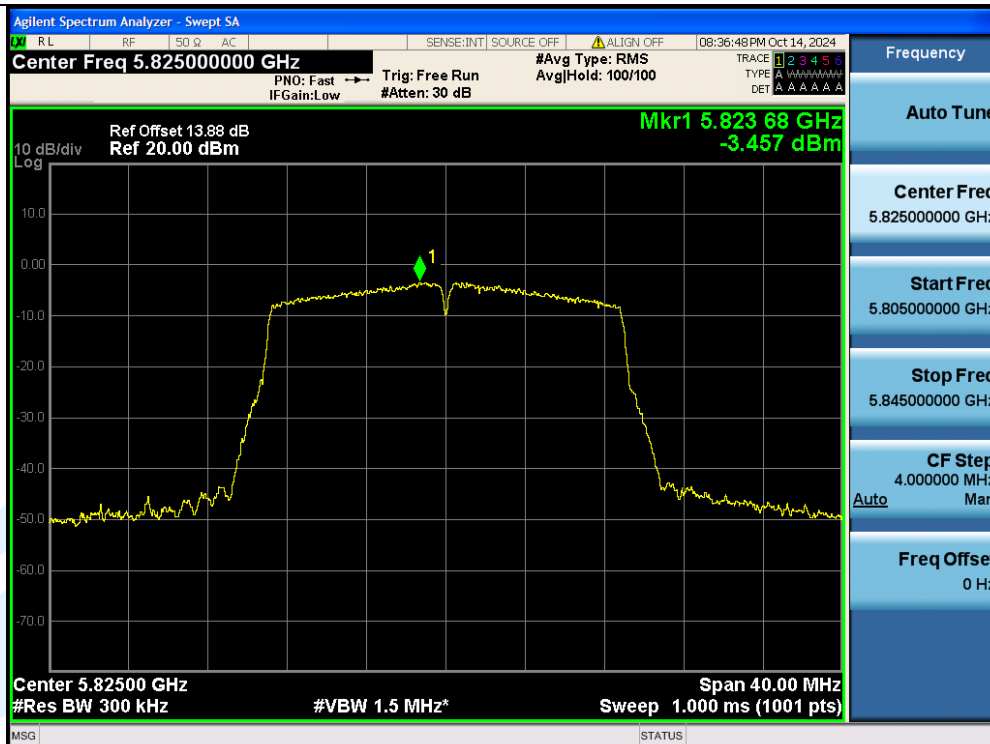
Tel: +86-755-28230888

Fax: +86-755-28230886

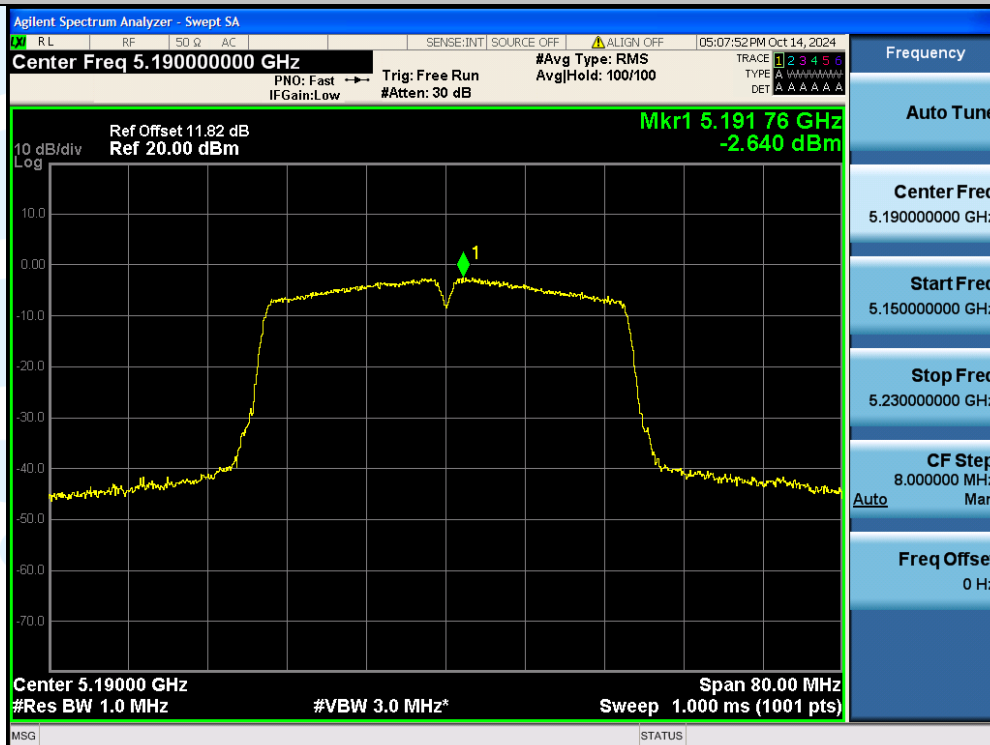
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11AC20SISO-Ant1-5825-PASS



11AC40SISO-Ant1-5190-PASS

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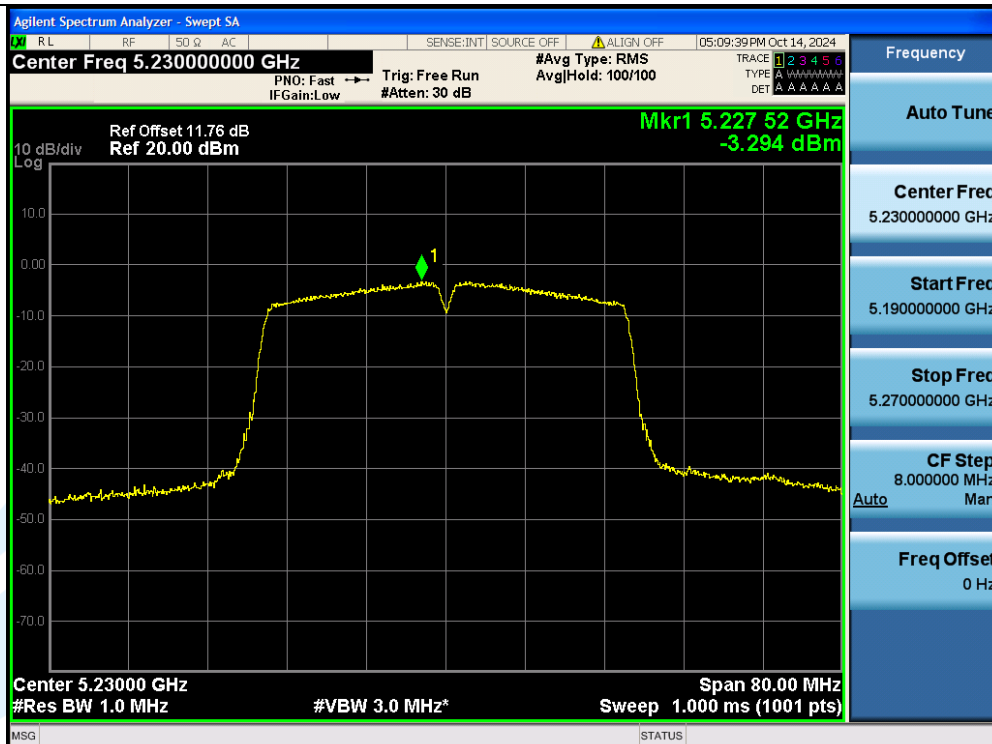
Tel: +86-755-28230888

Fax: +86-755-28230886

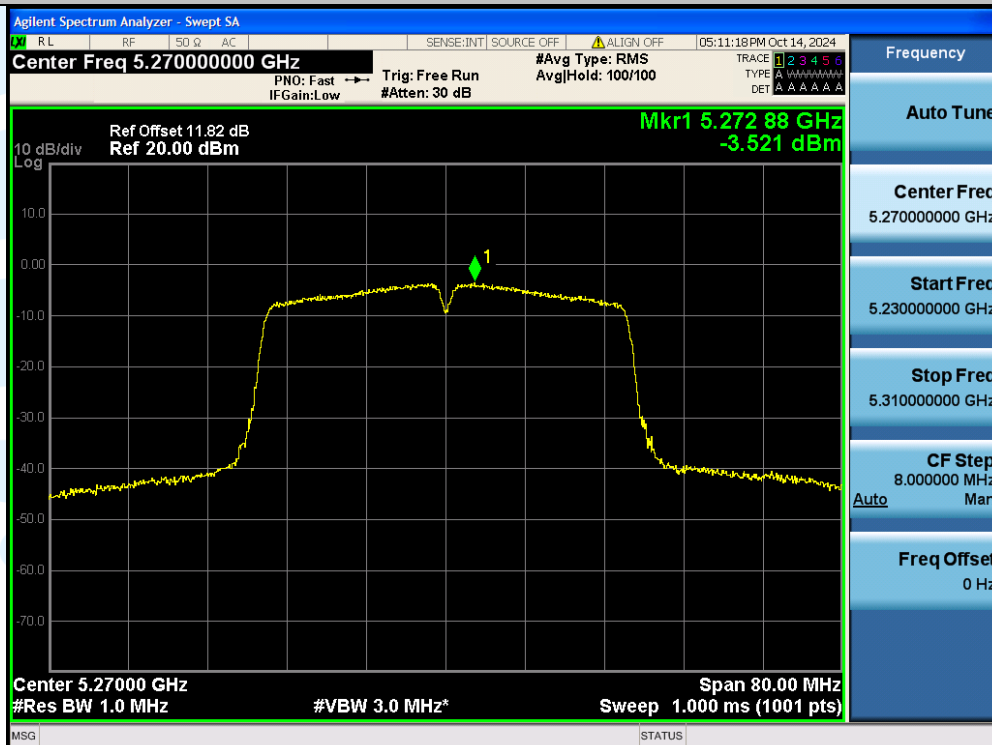
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11AC40SISO-Ant1-5230-PASS



11AC40SISO-Ant1-5270-PASS

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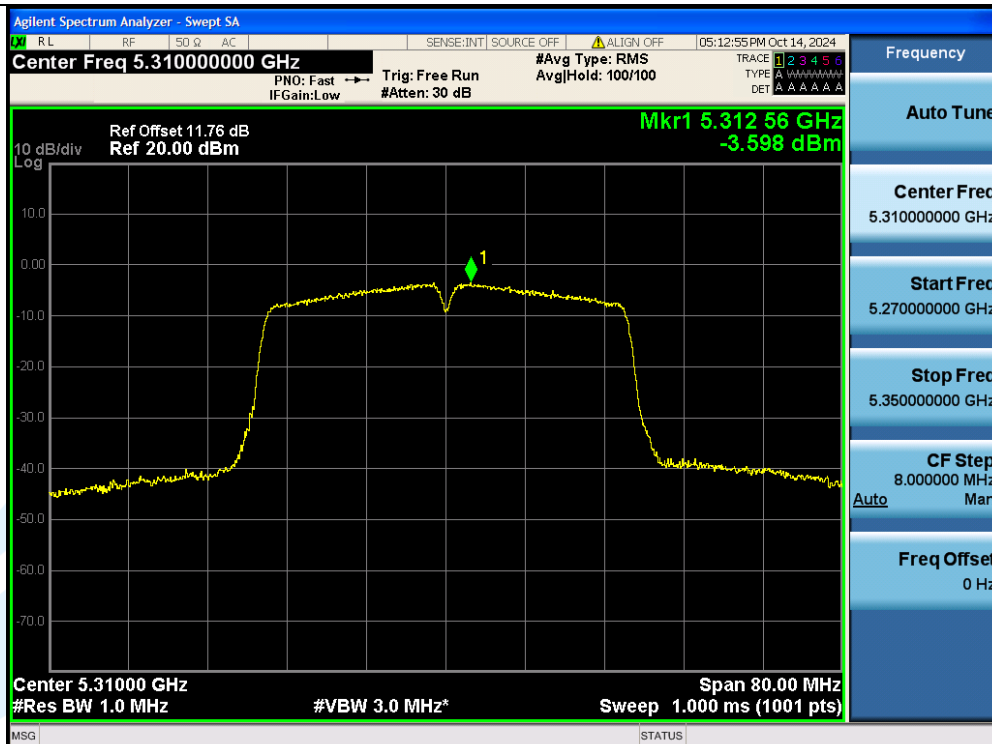
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Fax: +86-755-28230886

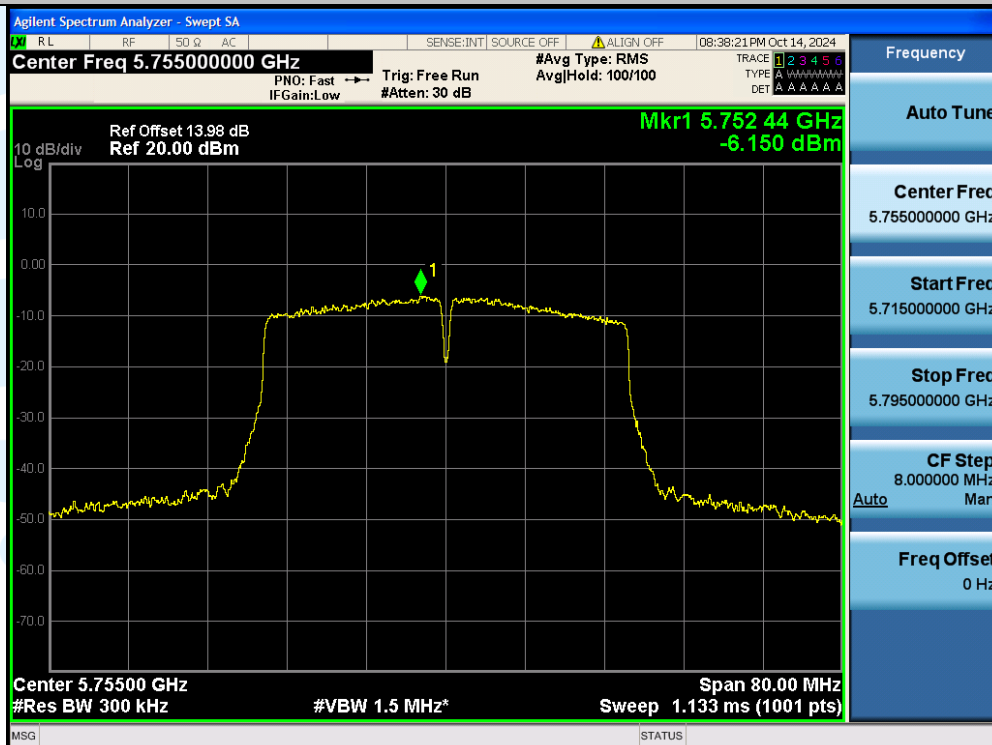
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11AC40SISO-Ant1-5310-PASS



11AC40SISO-Ant1-5755-PASS

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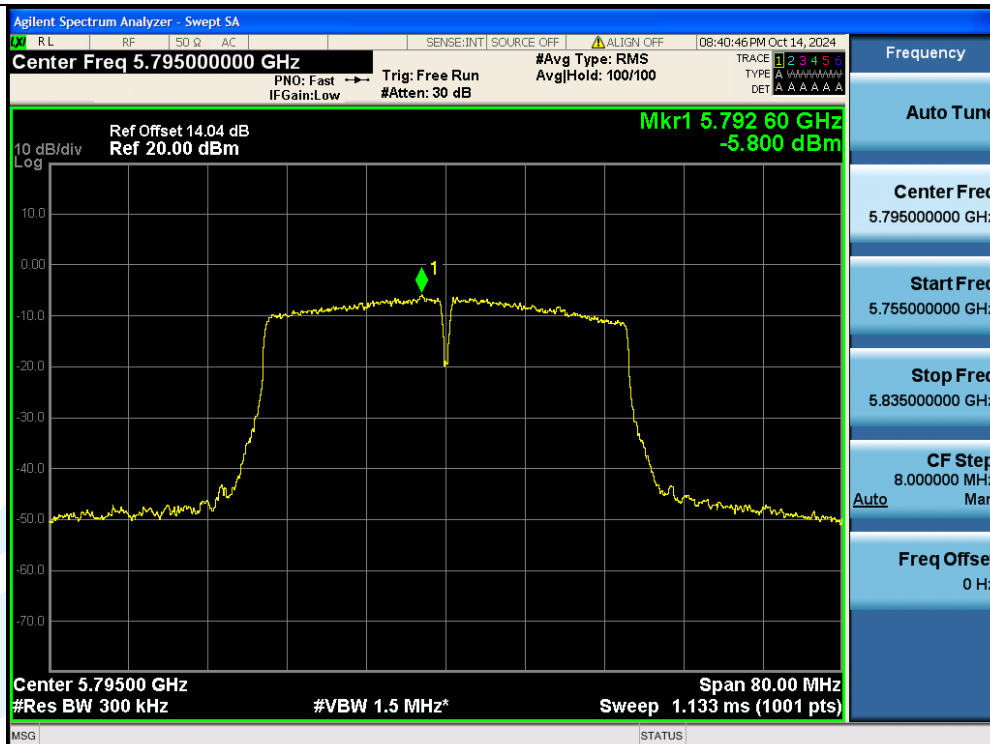
Tel: +86-755-28230888

Fax: +86-755-28230886

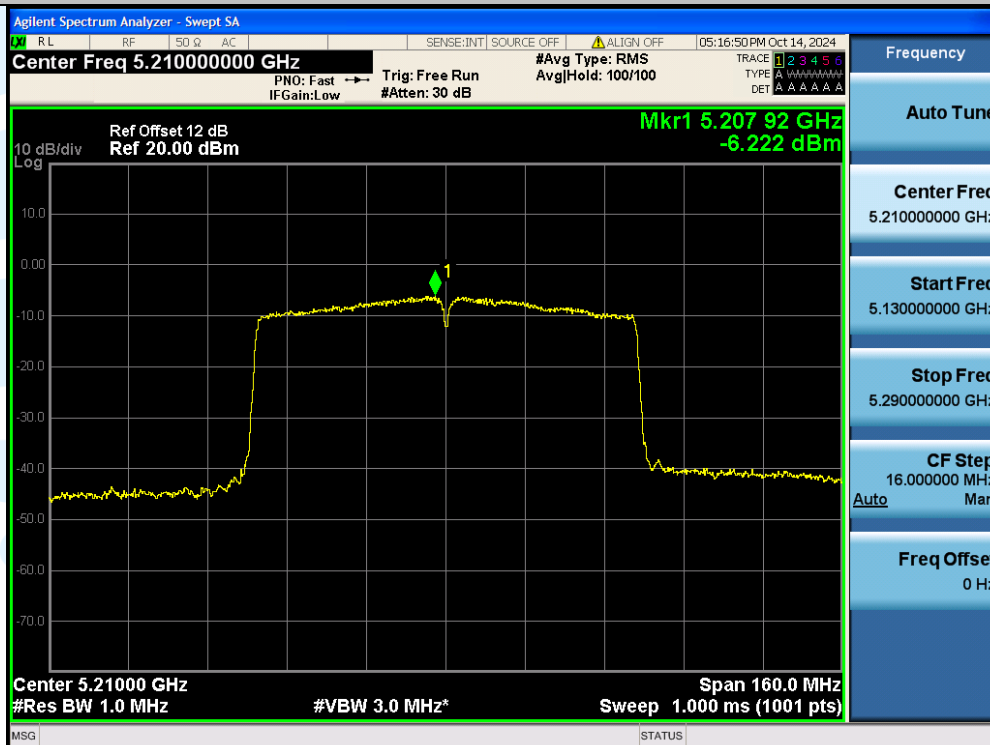
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11AC40SISO-Ant1-5795-PASS



11AC80SISO-Ant1-5210-PASS

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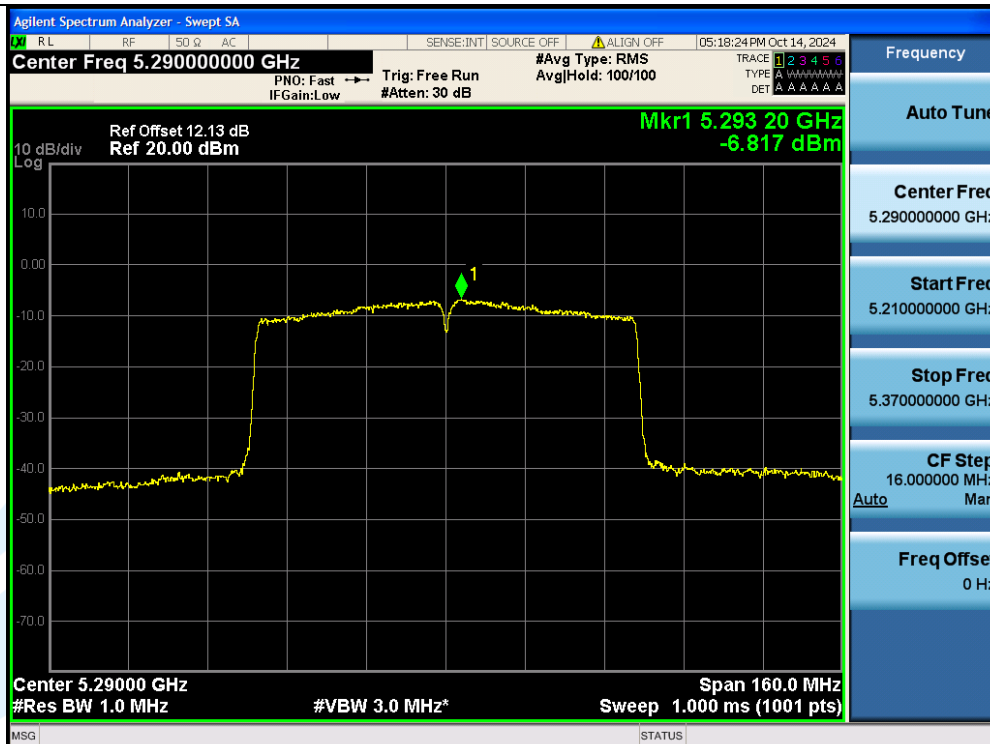
Tel: +86-755-28230888

Fax: +86-755-28230886

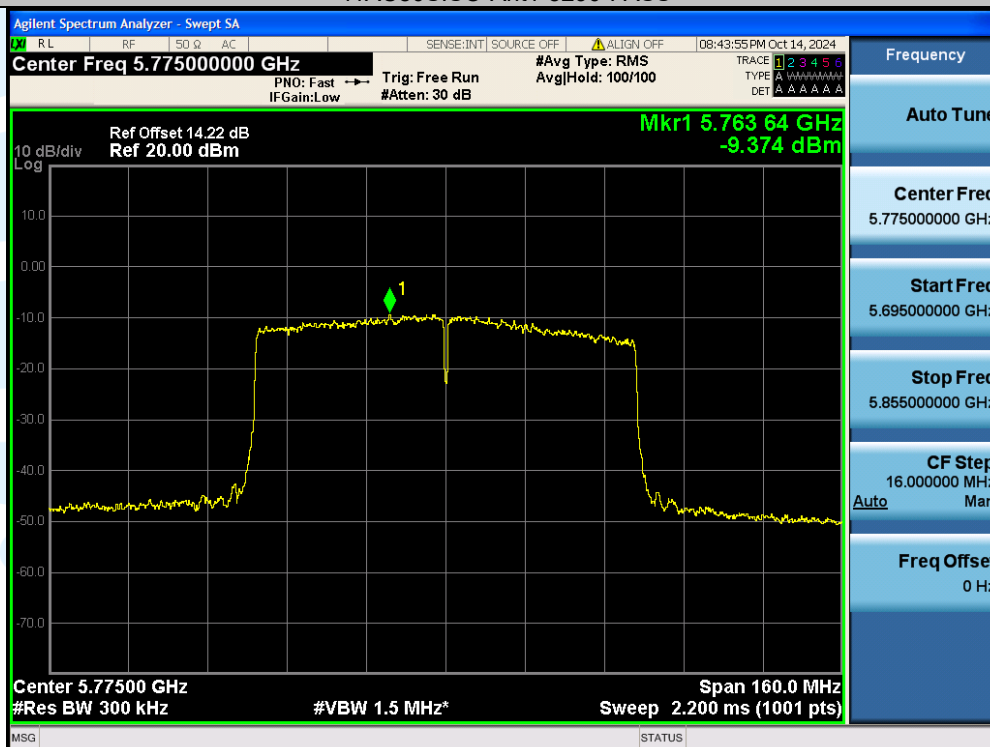
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UTTR-RF-FCCPART15.407-V1.2



11AC80SISO-Ant1-5290-PASS



11AC80SISO-Ant1-5775-PASS

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For U-NII-2C band

Test Mode	Antenna	Frequency [MHz]	Result [dBm/MHz]	FCC Limit [dBm/MHz]	Verdict
11A	Ant1	5500	2.33	≤11.00	PASS
11A	Ant1	5580	3.16	≤11.00	PASS
11A	Ant1	5600	3.08	≤11.00	PASS
11A	Ant1	5700	3.81	≤11.00	PASS
11A	Ant1	5720 UNII-2C	4.05	≤11.00	PASS
11N20SISO	Ant1	5500	0.96	≤11.00	PASS
11N20SISO	Ant1	5580	1.46	≤11.00	PASS
11N20SISO	Ant1	5600	1.84	≤11.00	PASS
11N20SISO	Ant1	5700	2.96	≤11.00	PASS
11N20SISO	Ant1	5720 UNII-2C	2.75	≤11.00	PASS
11N40SISO	Ant1	5510	-2.15	≤11.00	PASS
11N40SISO	Ant1	5550	-2.00	≤11.00	PASS
11N40SISO	Ant1	5590	-1.38	≤11.00	PASS
11N40SISO	Ant1	5670	-0.62	≤11.00	PASS
11N40SISO	Ant1	5710 UNII-2C	-2.57	≤11.00	PASS
11AC20SISO	Ant1	5500	-1.15	≤11.00	PASS
11AC20SISO	Ant1	5580	-0.48	≤11.00	PASS
11AC20SISO	Ant1	5600	-0.46	≤11.00	PASS
11AC20SISO	Ant1	5700	0.78	≤11.00	PASS
11AC20SISO	Ant1	5720 UNII-2C	0.75	≤11.00	PASS
11AC40SISO	Ant1	5510	-5.13	≤11.00	PASS
11AC40SISO	Ant1	5550	-4.80	≤11.00	PASS
11AC40SISO	Ant1	5590	-4.44	≤11.00	PASS
11AC40SISO	Ant1	5670	-3.39	≤11.00	PASS
11AC40SISO	Ant1	5710 UNII-2C	-3.12	≤11.00	PASS
11AC80SISO	Ant1	5530	-7.99	≤11.00	PASS
11AC80SISO	Ant1	5610	-6.98	≤11.00	PASS
11AC80SISO	Ant1	5690 UNII-2C	-5.82	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

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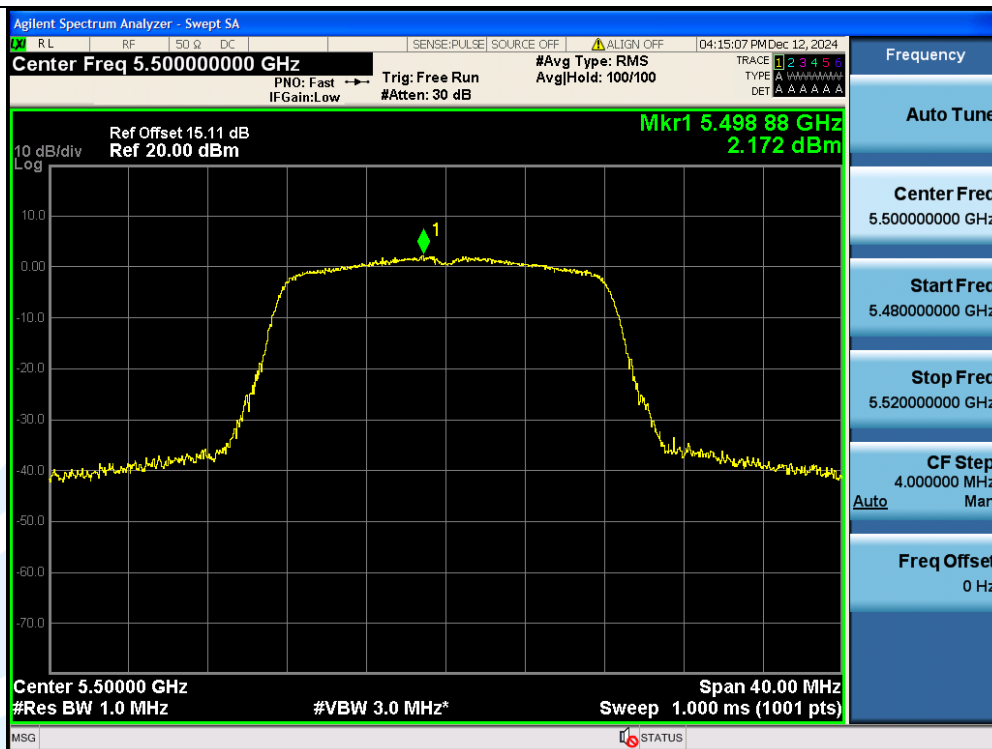
Fax: +86-755-28230886

E-mail: info@uttlab.com

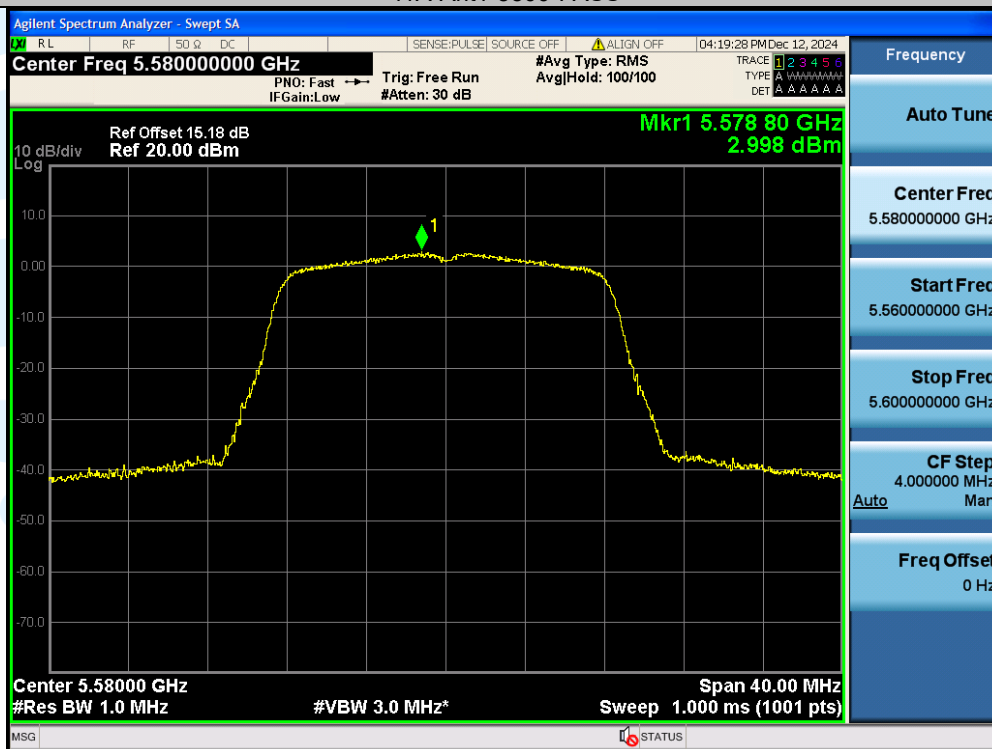
<http://www.uttlab.com>

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Test Graphs



11A-Ant1-5500-PASS



11A-Ant1-5580-PASS

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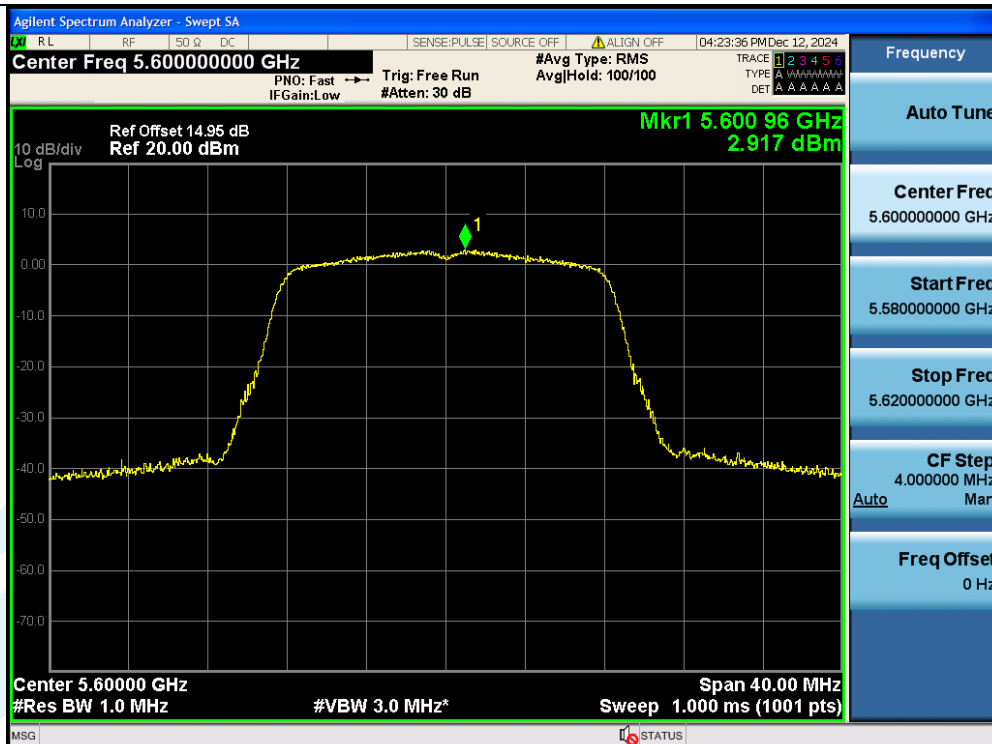
Tel: +86-755-28230888

Fax: +86-755-28230886

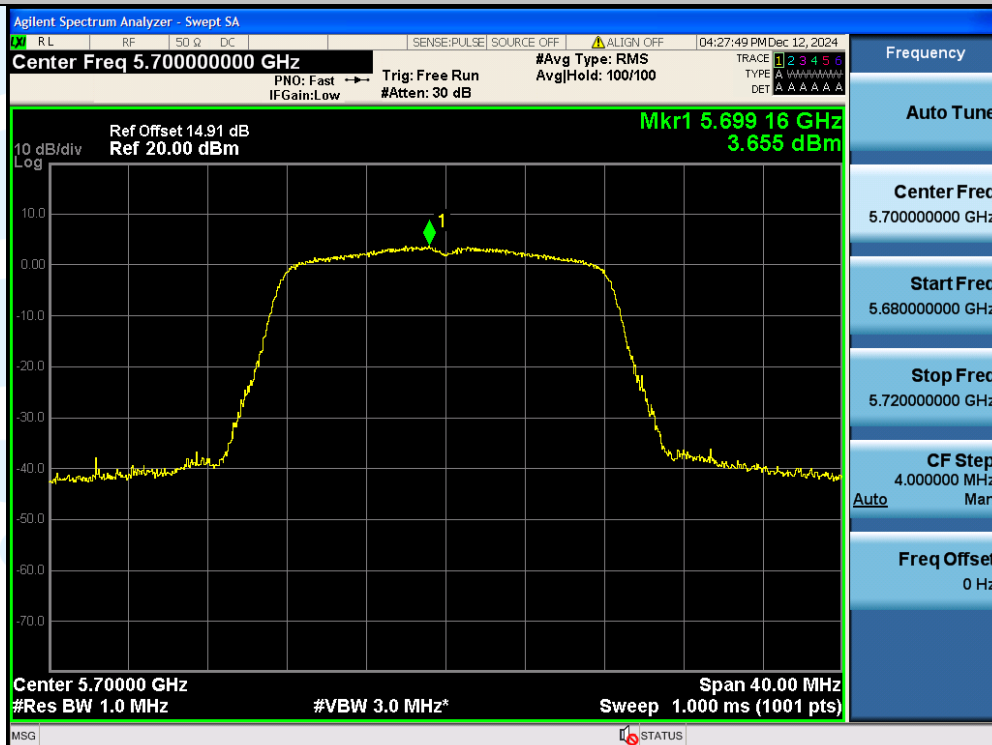
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11A-Ant1-5600-PASS



11A-Ant1-5700-PASS

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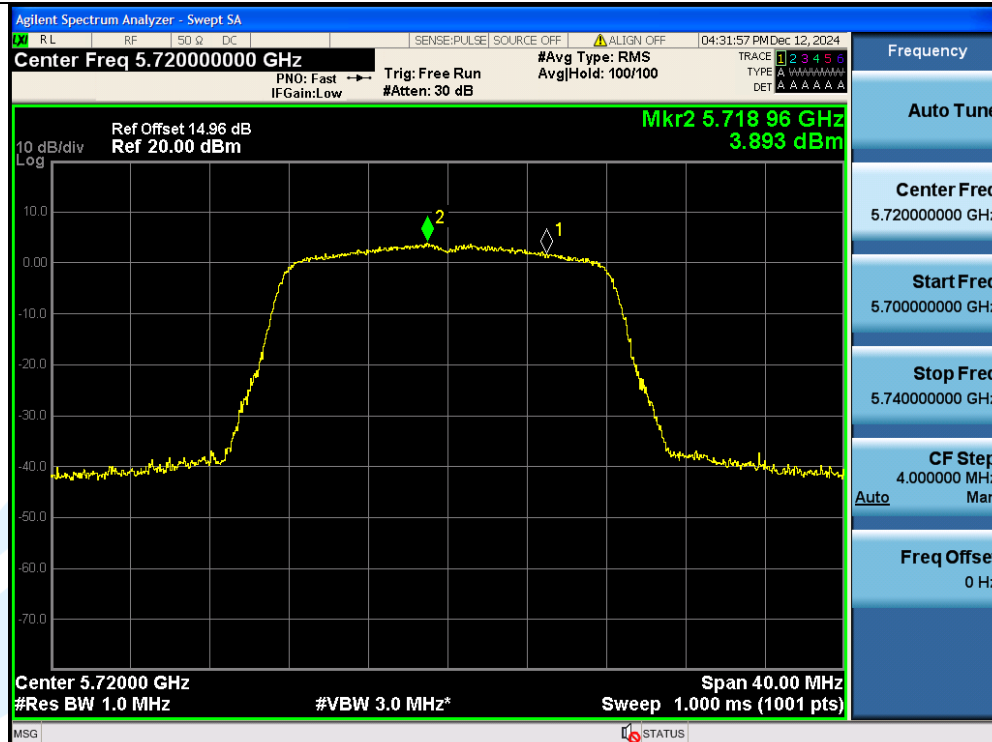
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Fax: +86-755-28230886

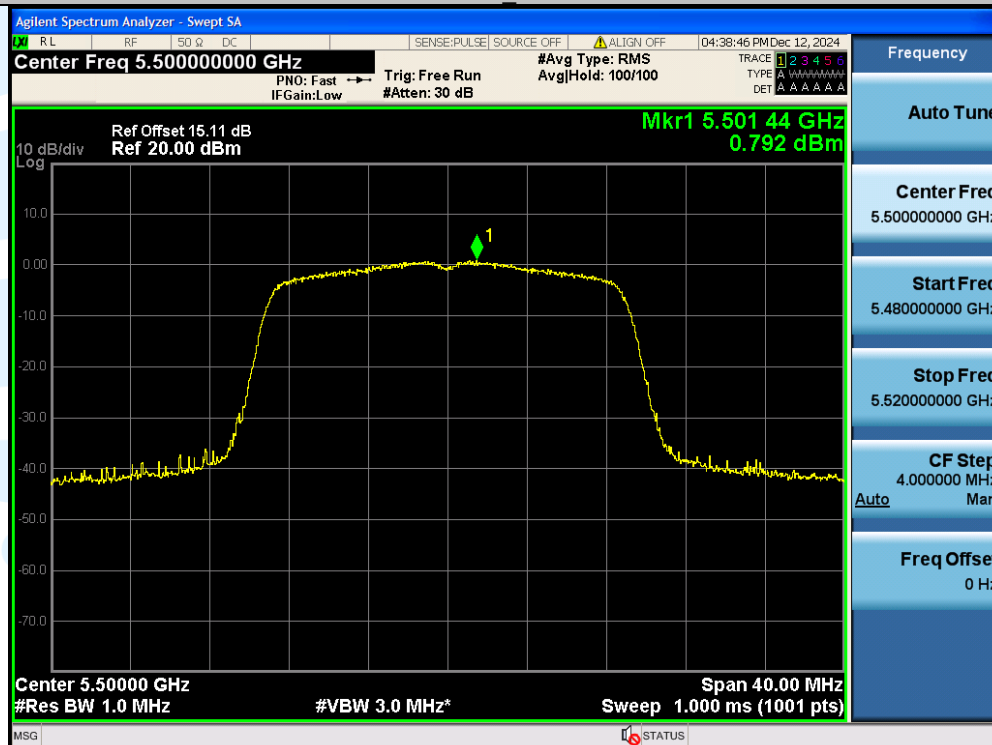
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UTTR-RF-FCCPART15.407-V1.2



11A-Ant1-5720 UNII-2C-PASS



11N20SISO-Ant1-5500-PASS

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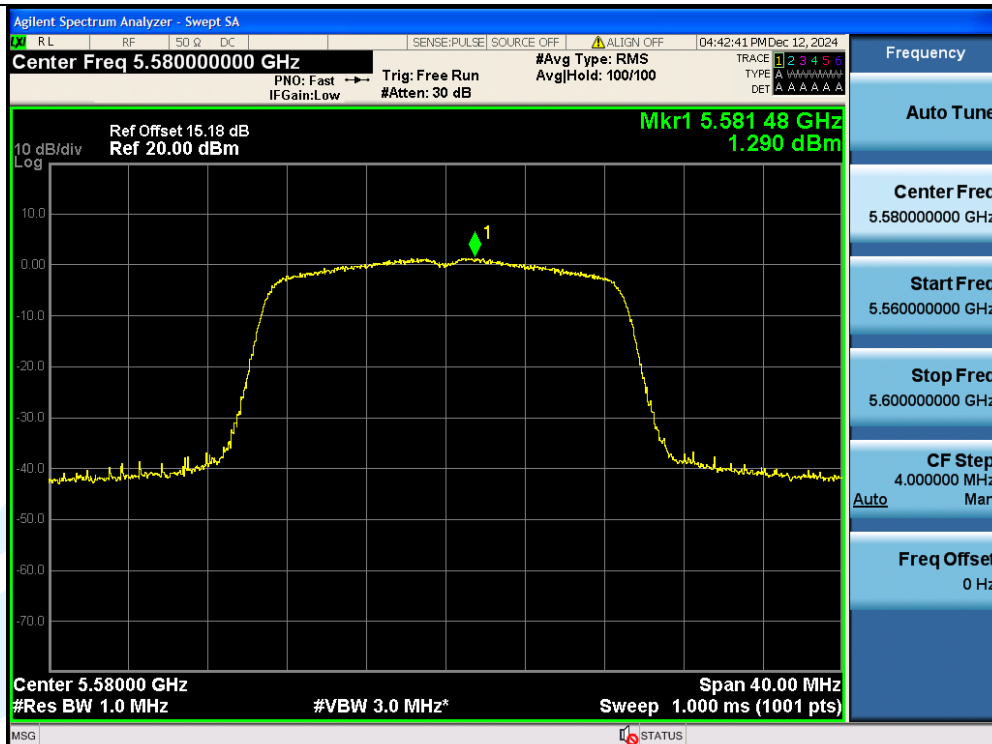
Tel: +86-755-28230888

Fax: +86-755-28230886

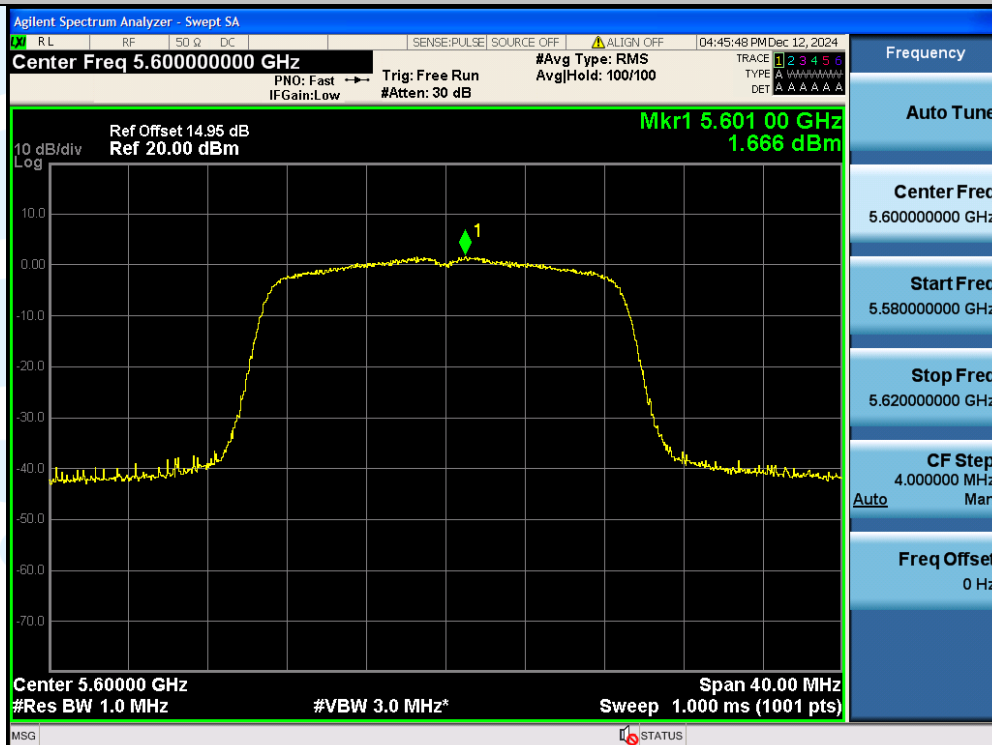
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11N20SISO-Ant1-5580-PASS



11N20SISO-Ant1-5600-PASS

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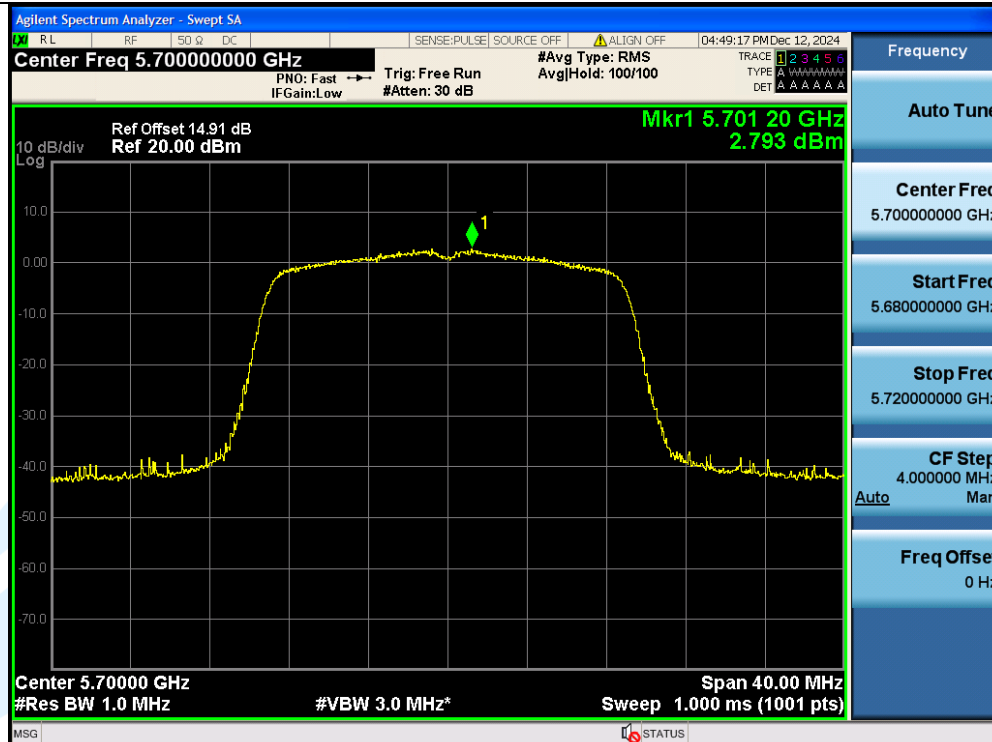
Tel: +86-755-28230888

Fax: +86-755-28230886

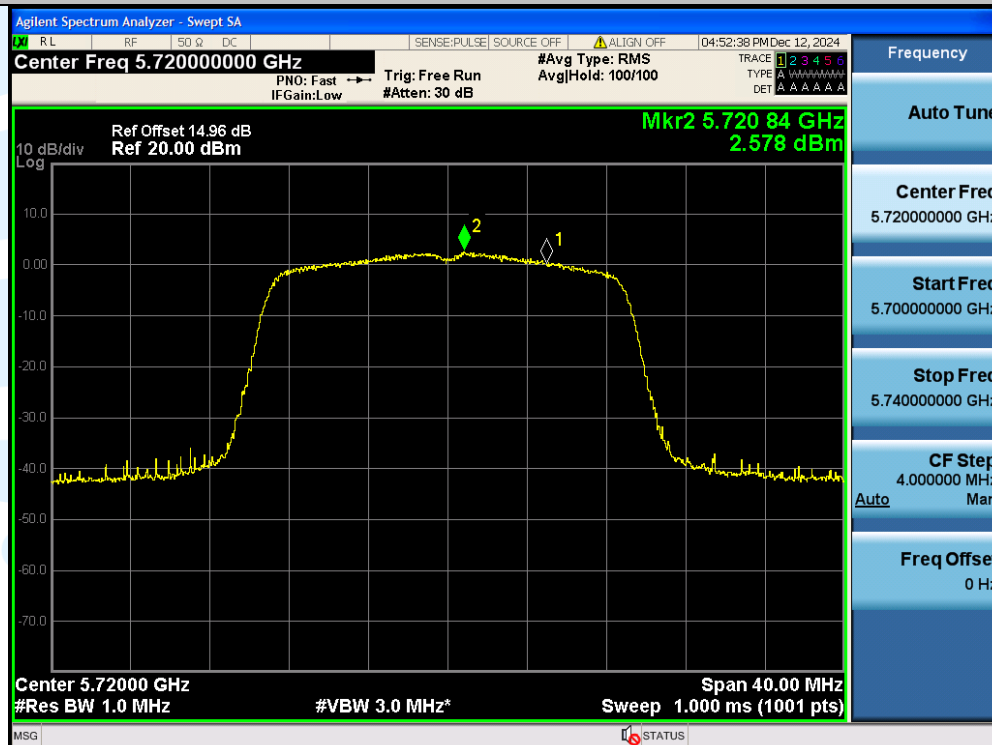
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11N20SISO-Ant1-5700-PASS



11N20SISO-Ant1-5720_UNII-2C-PASS

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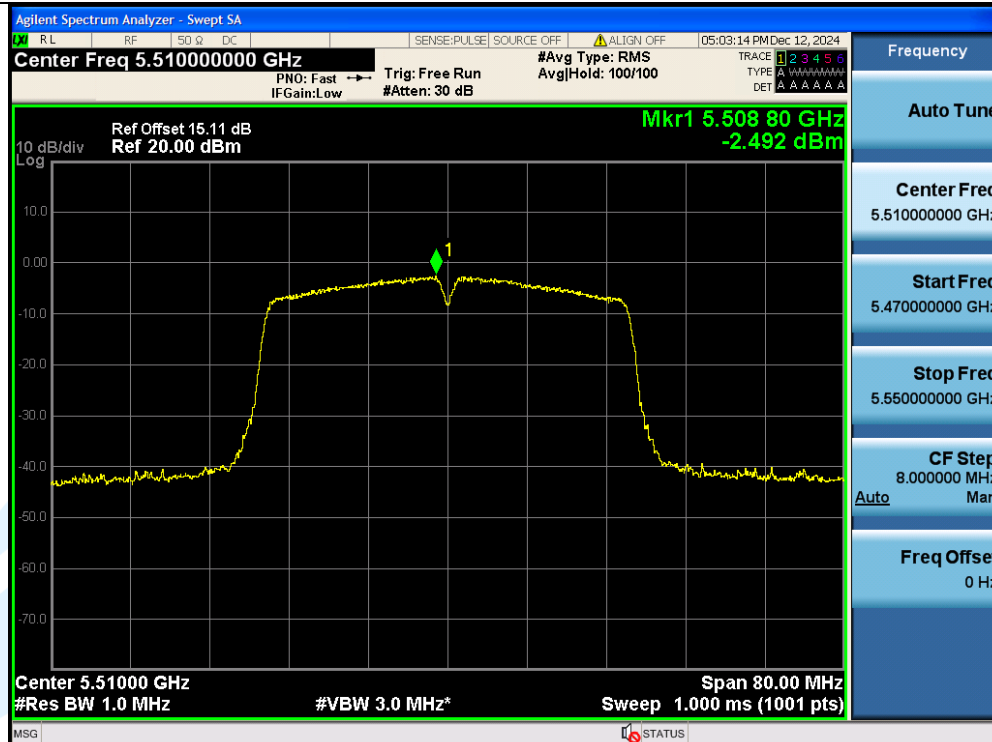
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Fax: +86-755-28230886

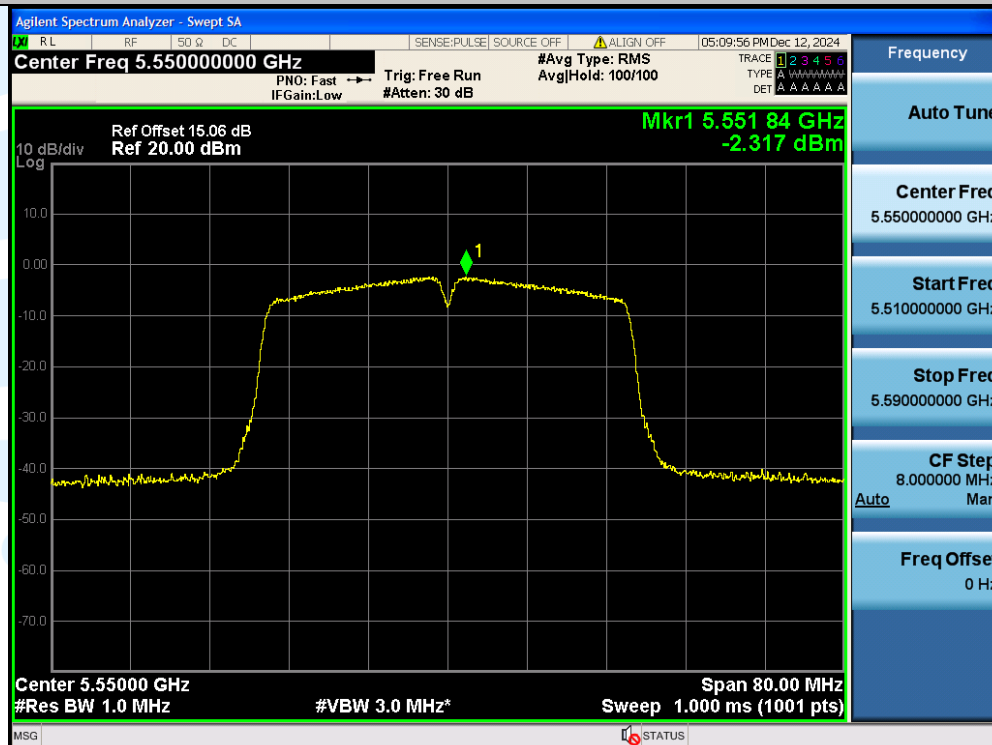
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11N40SISO-Ant1-5510-PASS



11N40SISO-Ant1-5550-PASS

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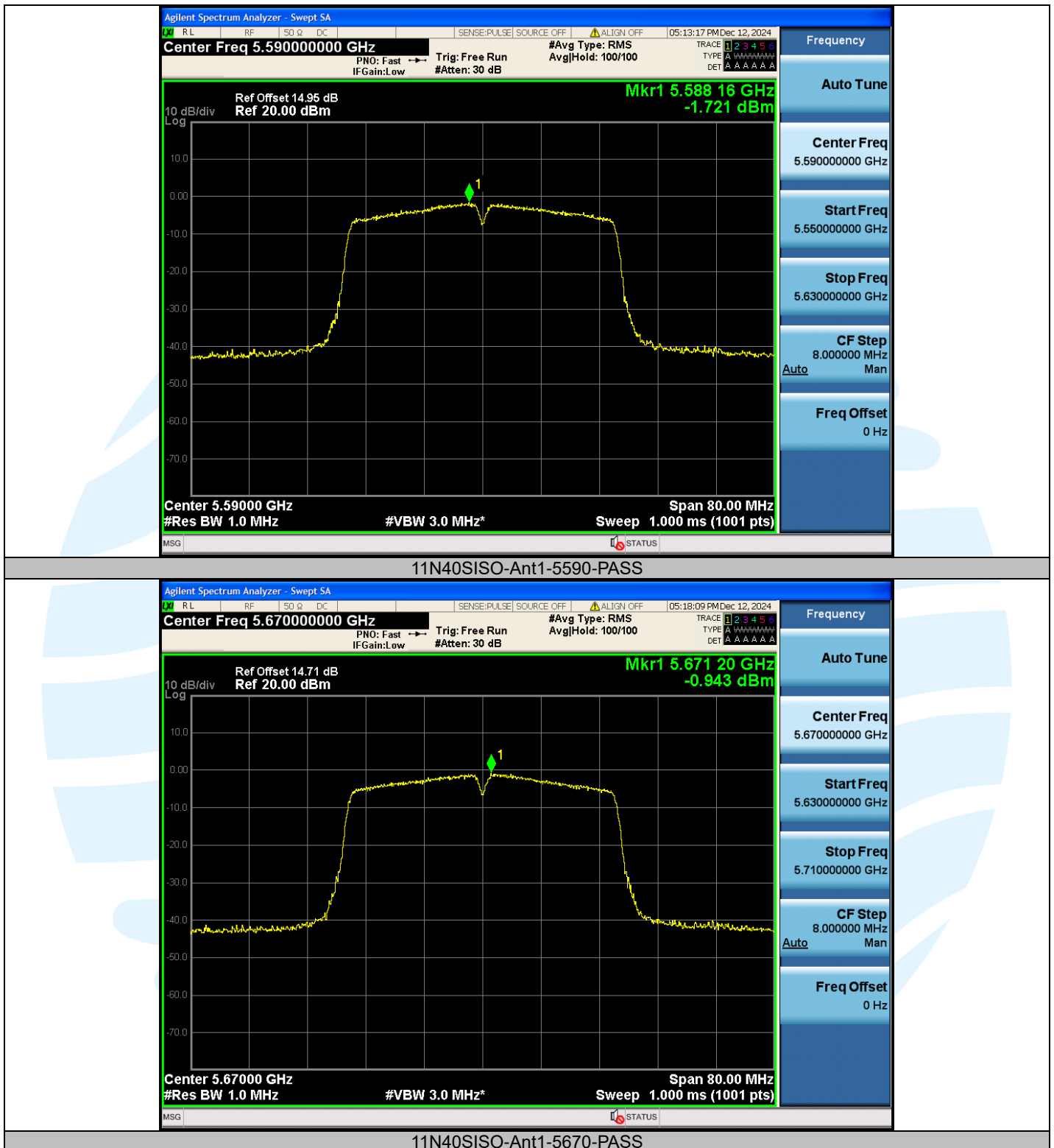
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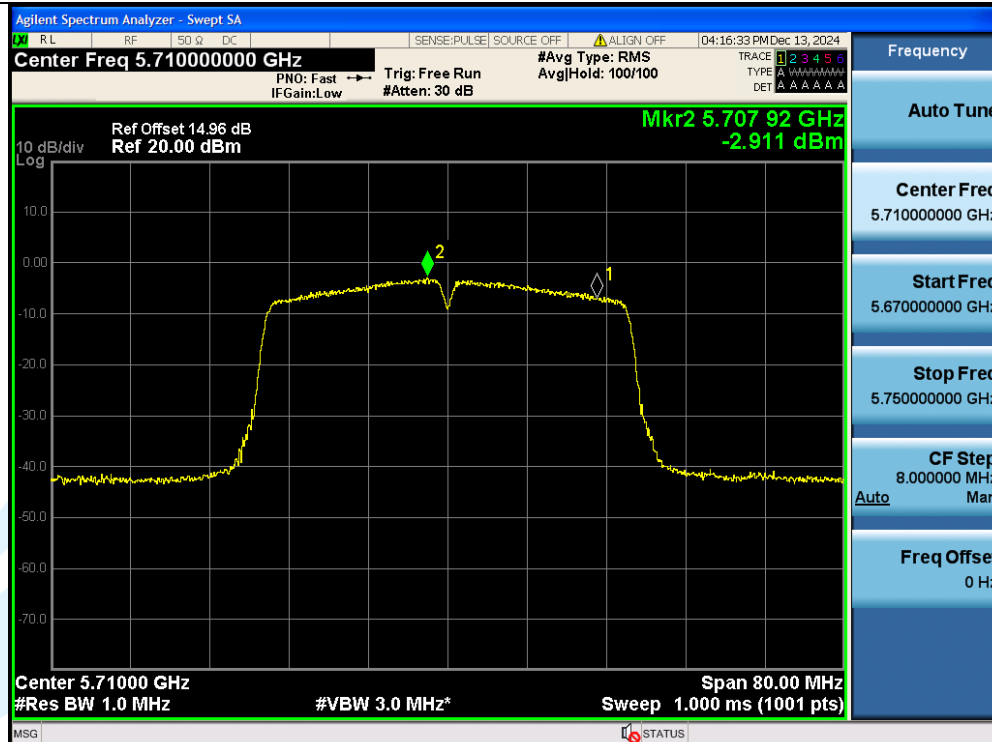
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Tel: +86-755-28230888

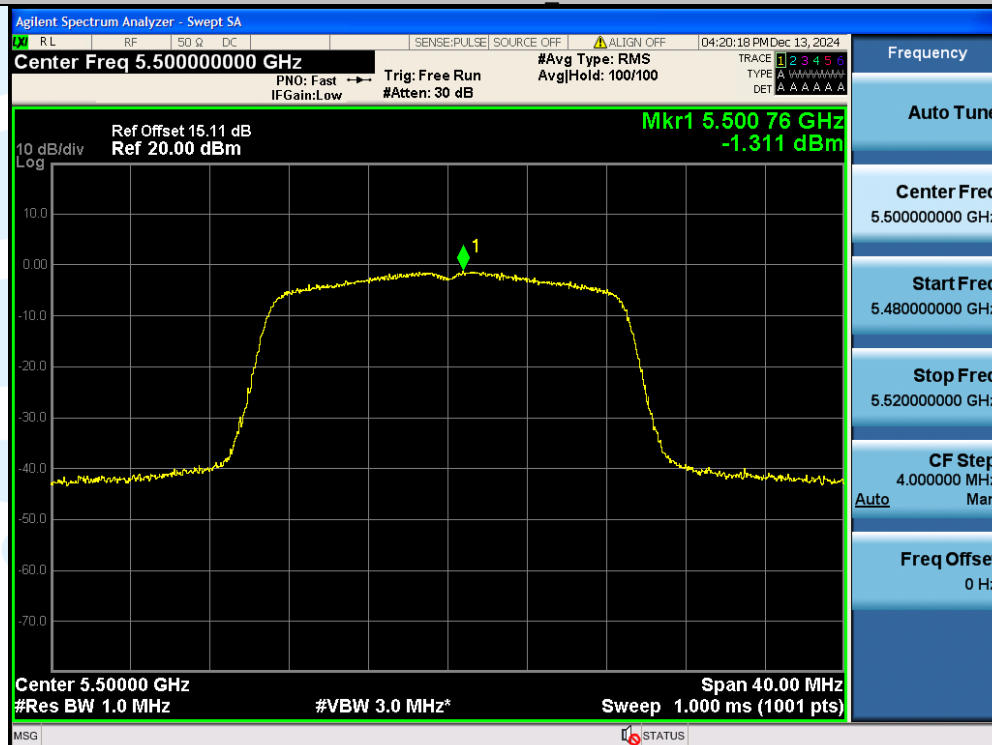
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11N40SISO-Ant1-5710 UNII-2C-PASS



11AC20SISO-Ant1-5500-PASS

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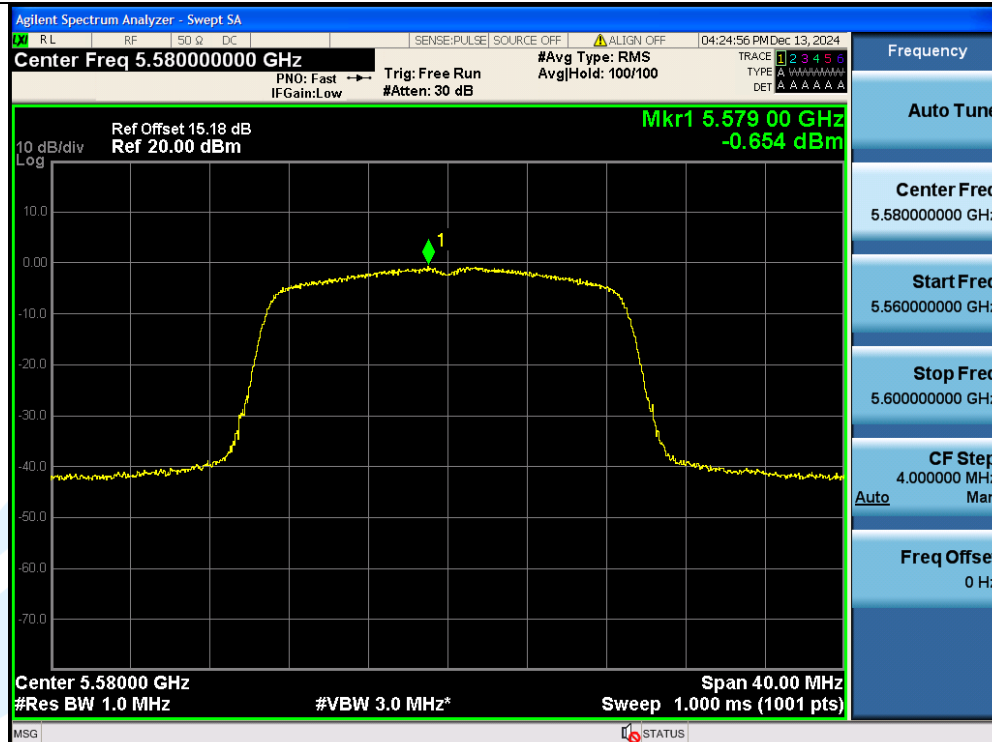
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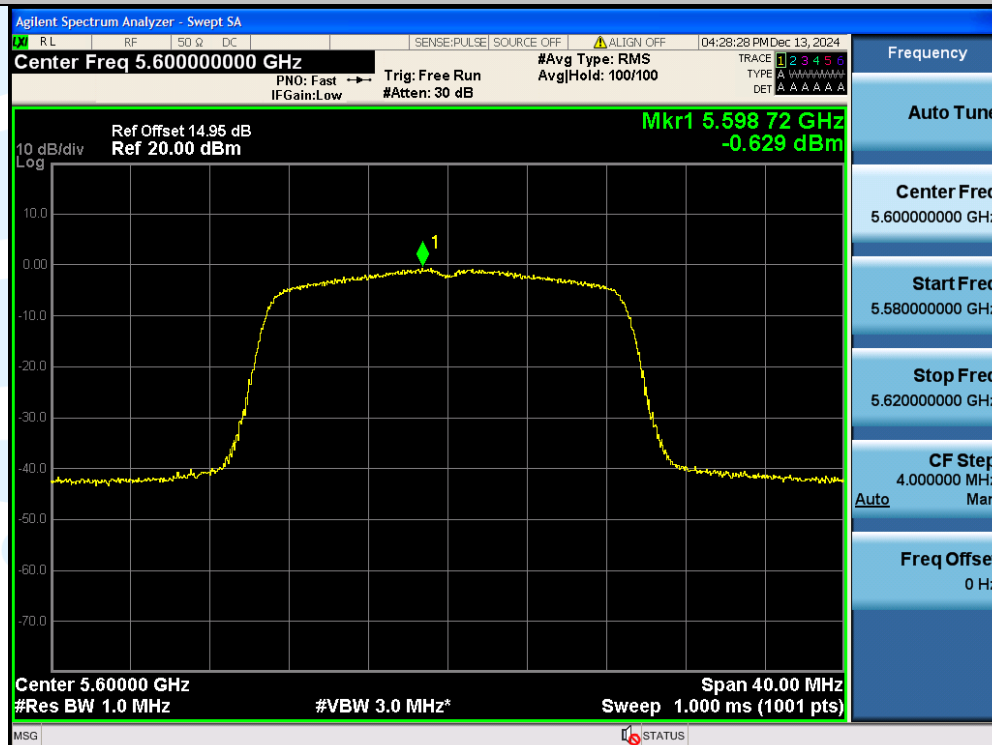
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11AC20SISO-Ant1-5580-PASS



11AC20SISO-Ant1-5600-PASS

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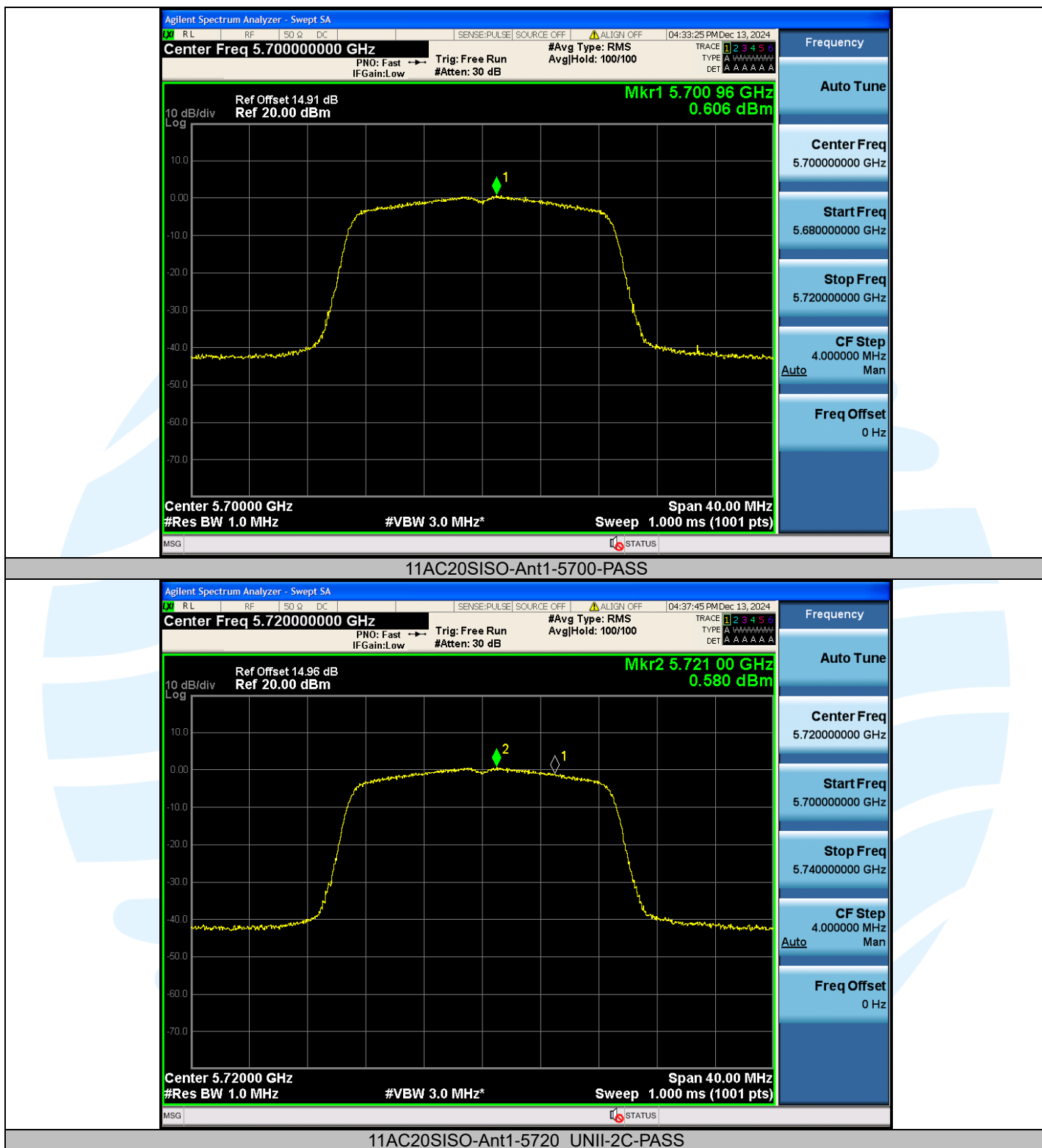
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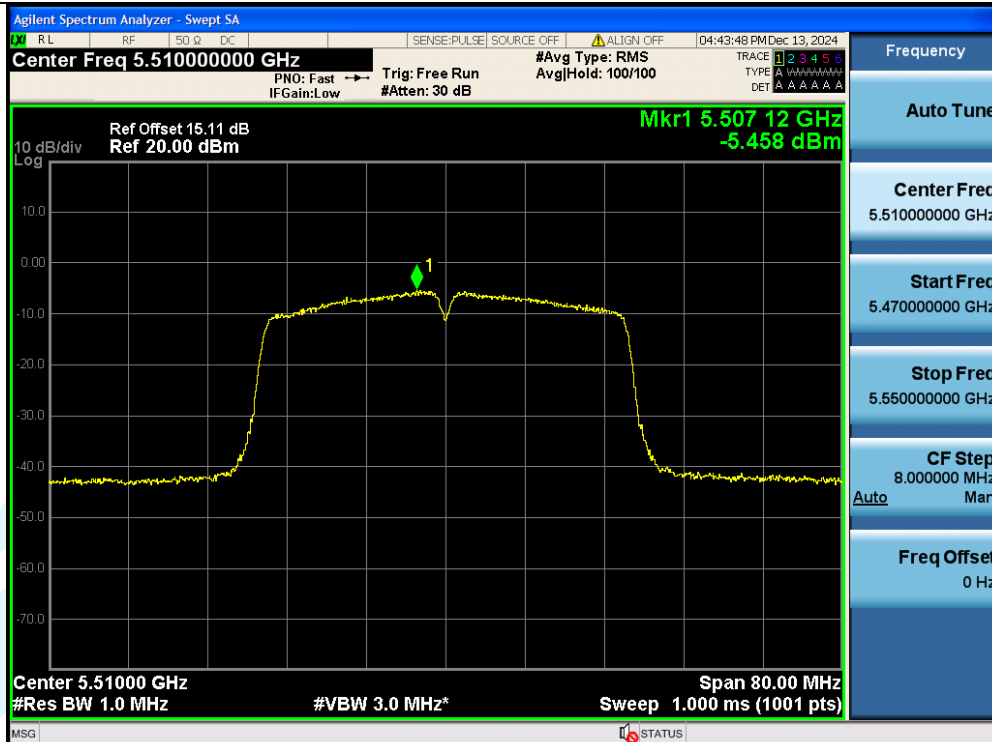
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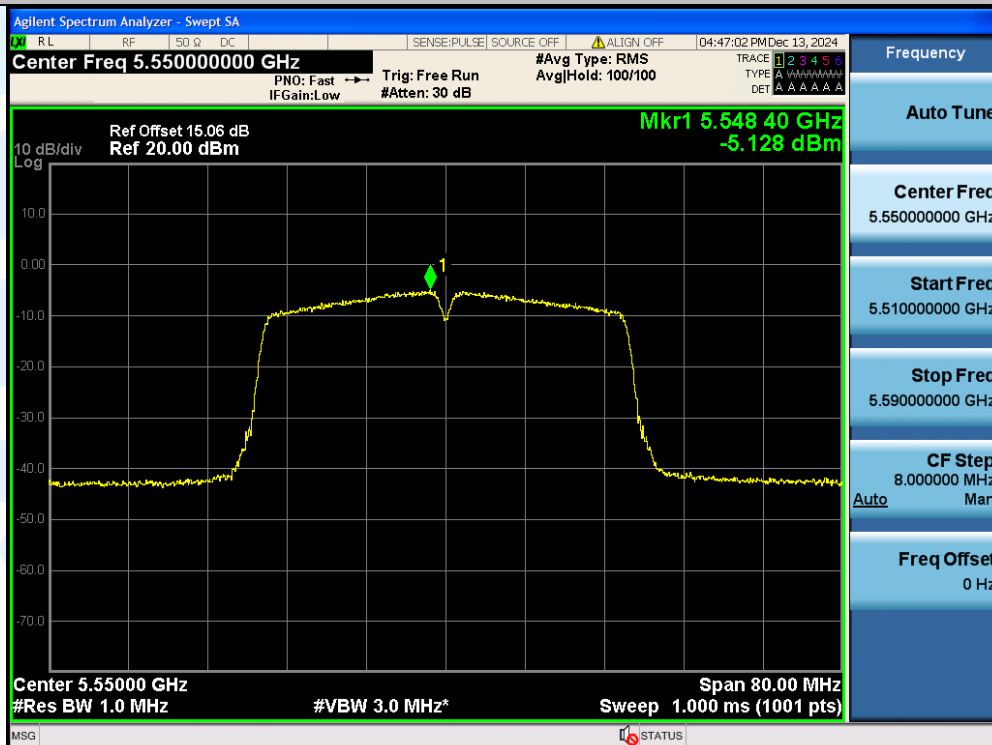
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11AC40SISO-Ant1-5510-PASS



11AC40SISO-Ant1-5550-PASS

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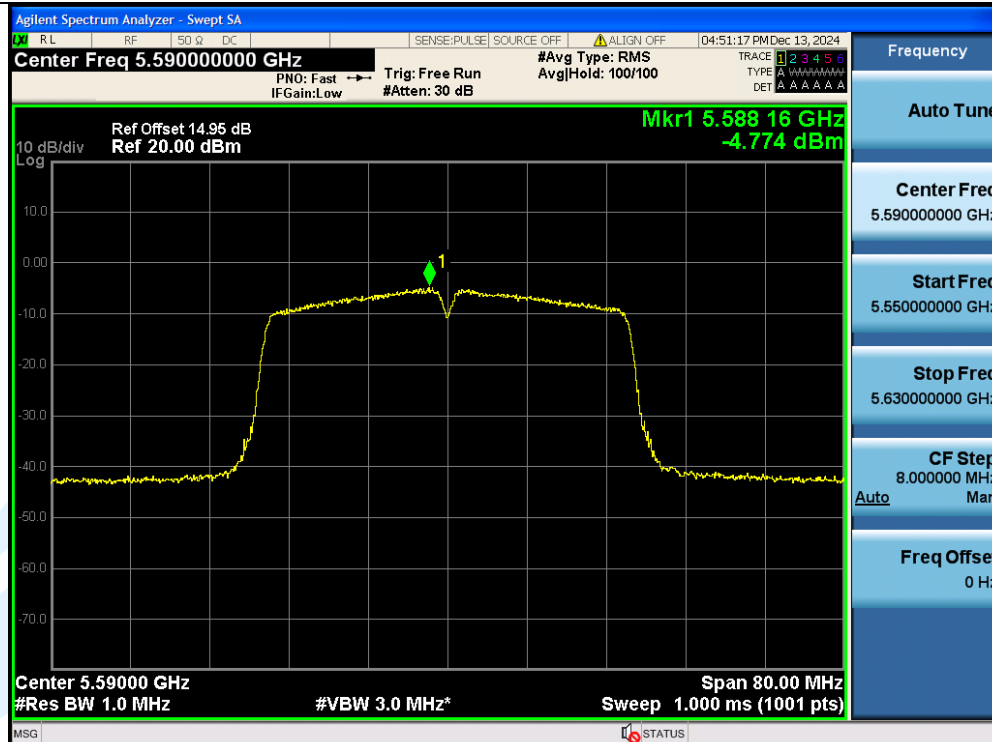
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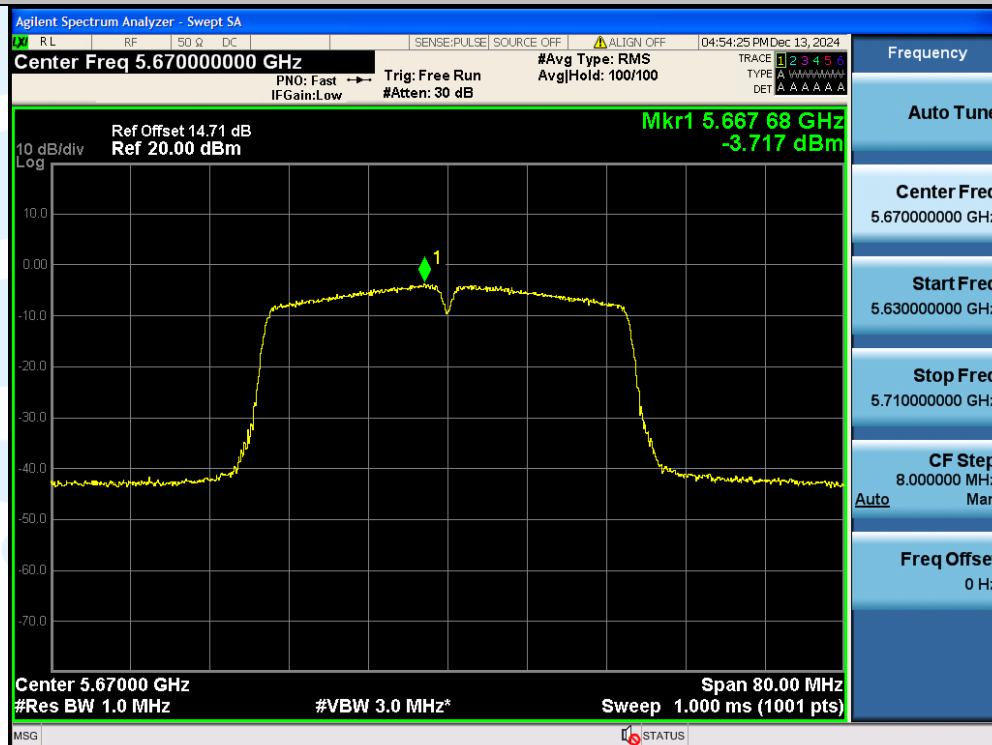
E-mail: info@uttlab.com

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11AC40SISO-Ant1-5590-PASS



11AC40SISO-Ant1-5670-PASS

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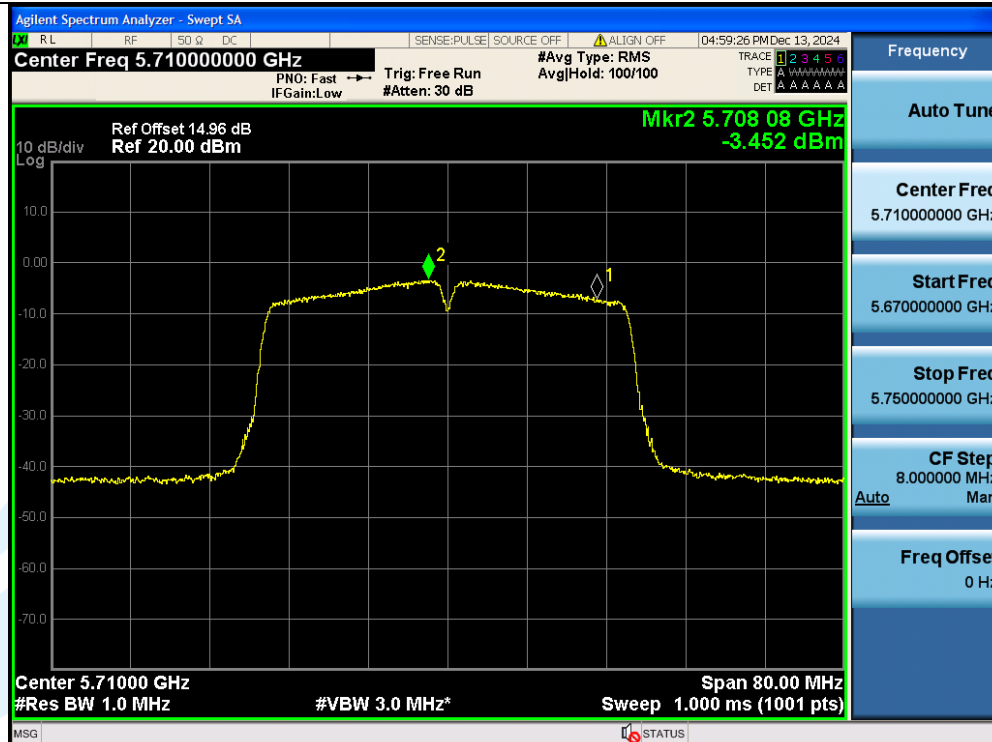
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Fax: +86-755-28230886

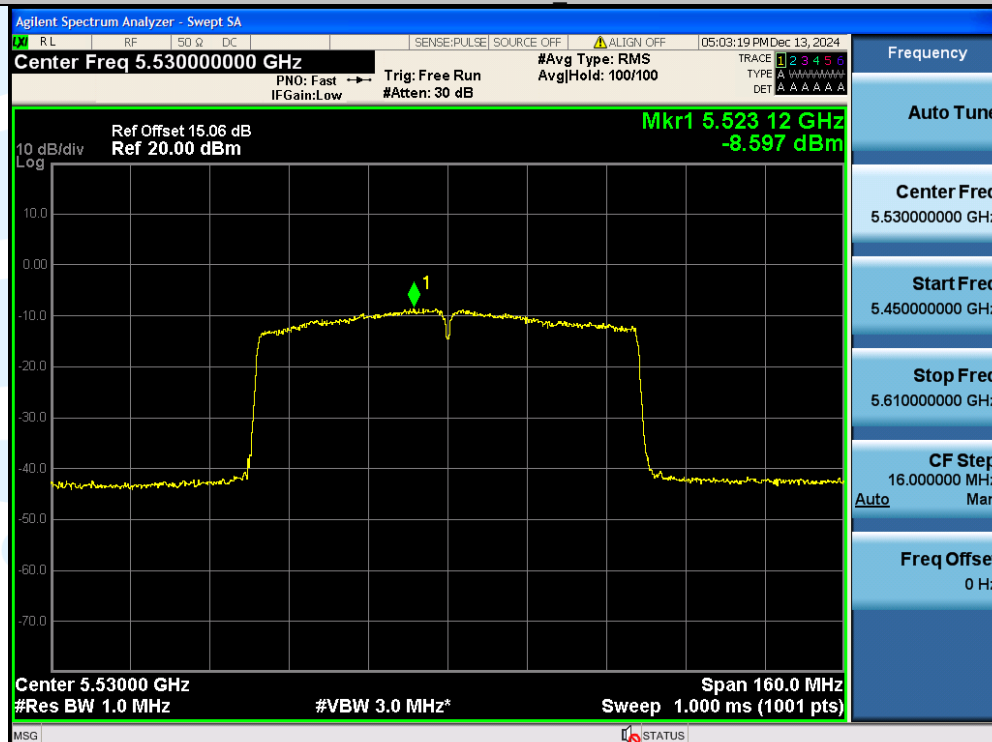
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11AC40SISO-Ant1-5710_UNII-2C-PASS



11AC80SISO-Ant1-5530-PASS

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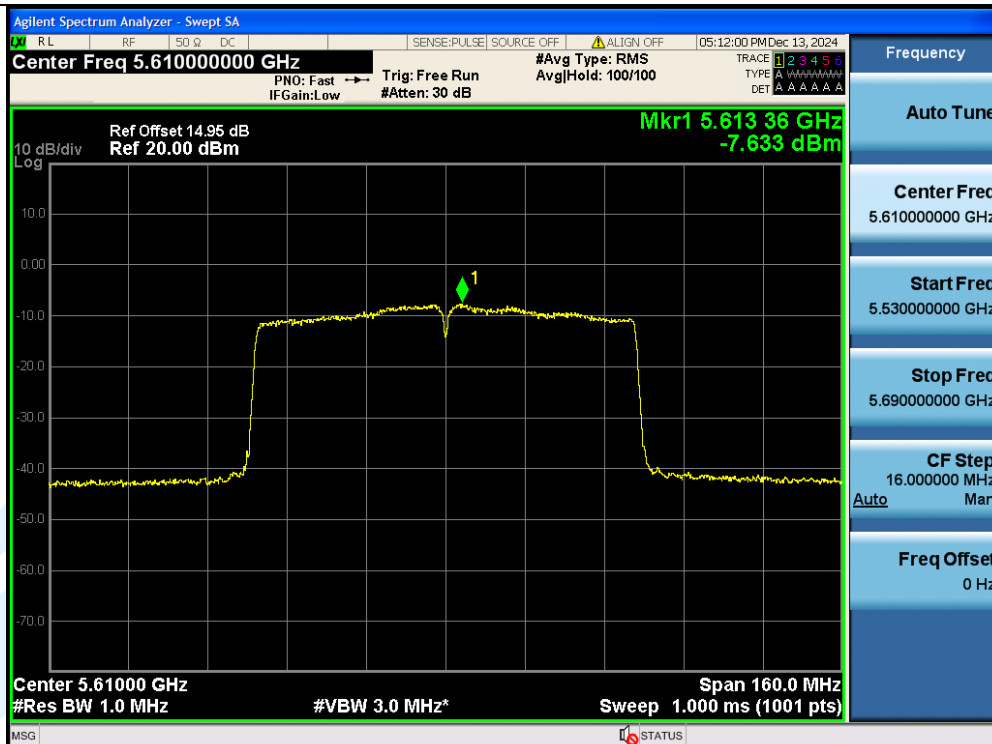
Tel: +86-755-28230888

Fax: +86-755-28230886

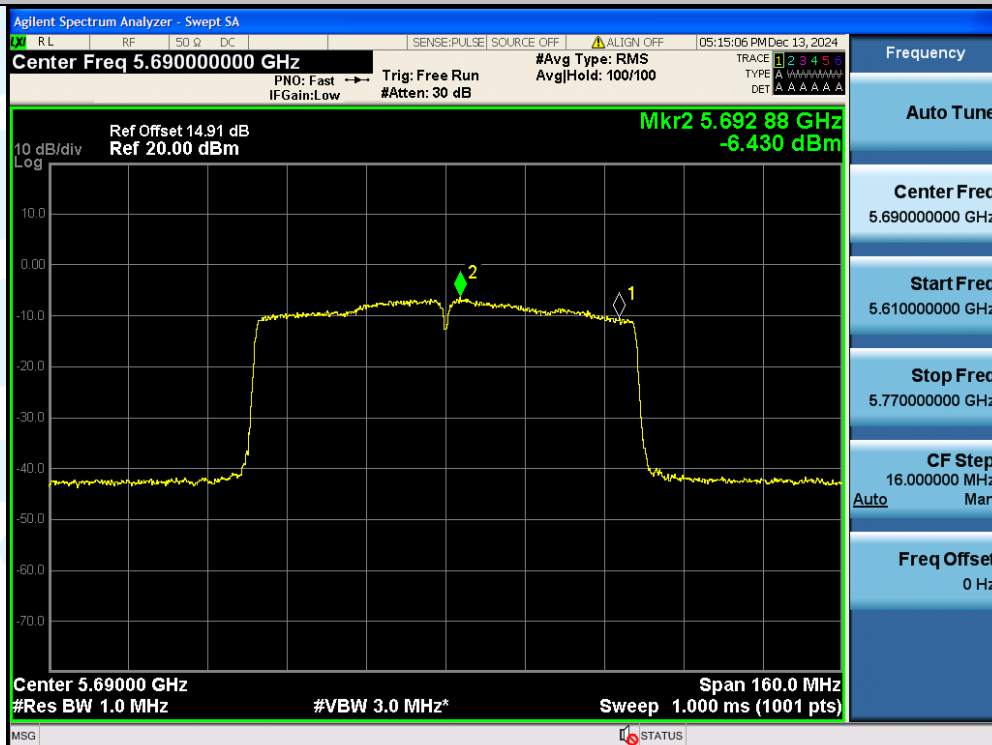
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11AC80SISO-Ant1-5610-PASS



11AC80SISO-Ant1-5690_UNII-2C-PASS

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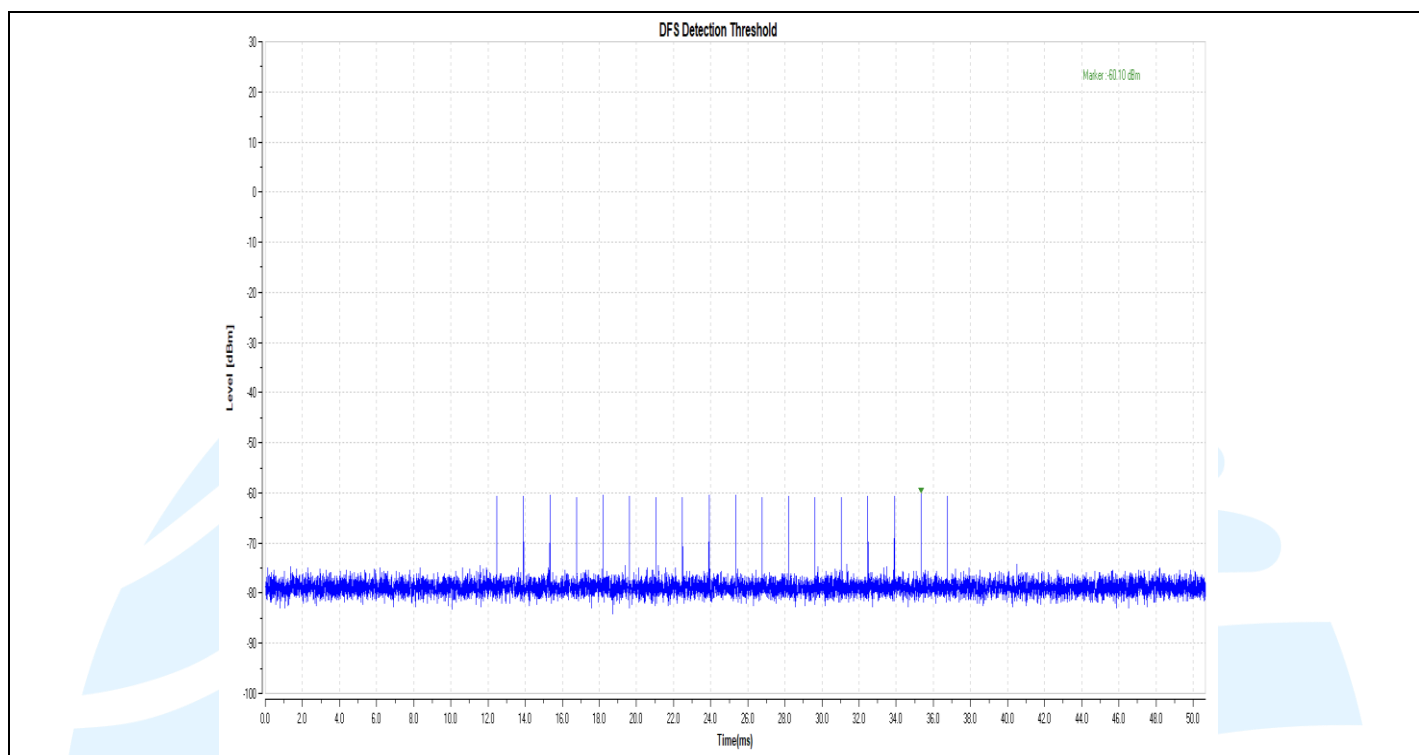
A.5 DYNAMIC FREQUENCY SELECTION

Appendix A.5.1: DFS Detection Thresholds

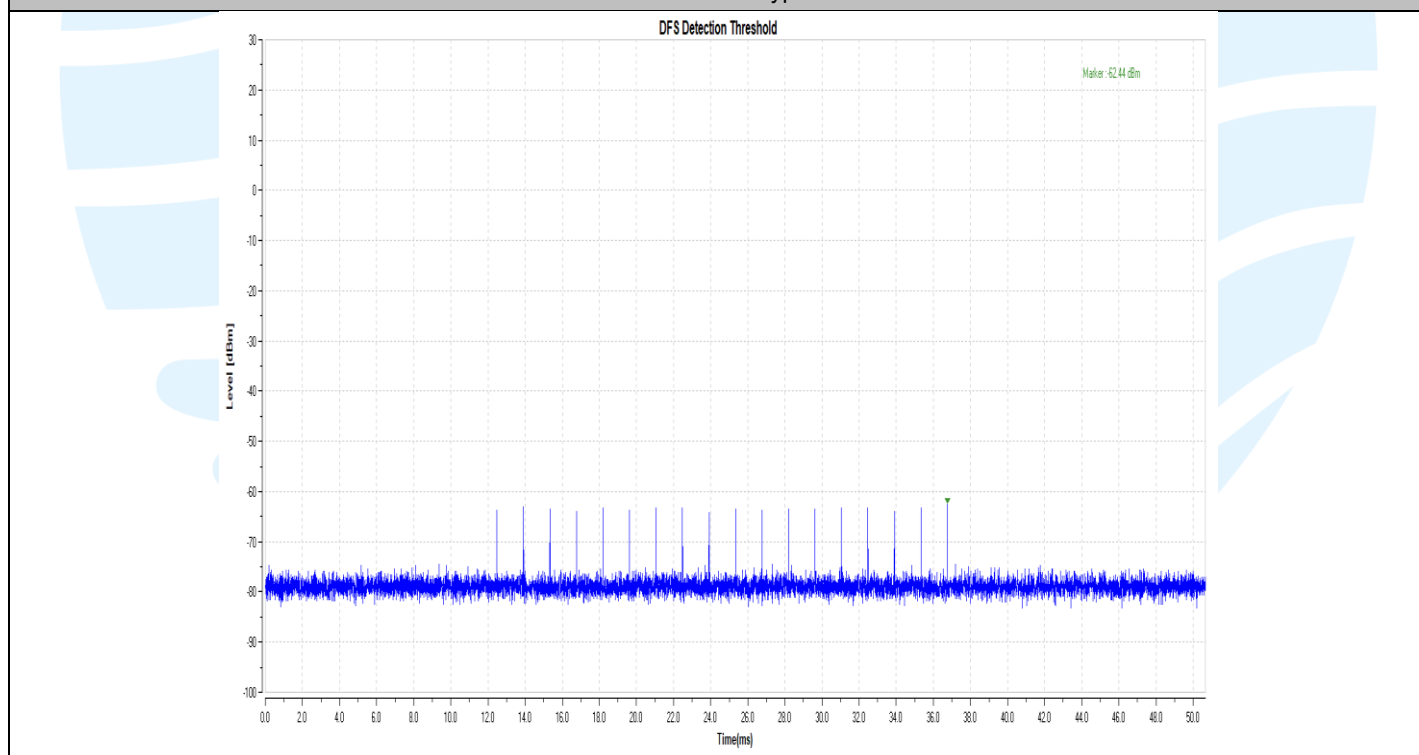
Test Result

TestMode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11AC20SISO	5300	Type0	-60.10	-59.62	PASS
11AC20SISO	5500	Type0	-62.44	-62.00	PASS
11AC80SISO	5290	Type0	-60.03	-59.62	PASS
11AC80SISO	5530	Type0	-62.23	-62.00	PASS

Test Graphs



11AC20SISO-5300-Type0-PASS



11AC20SISO-5500-Type0-PASS

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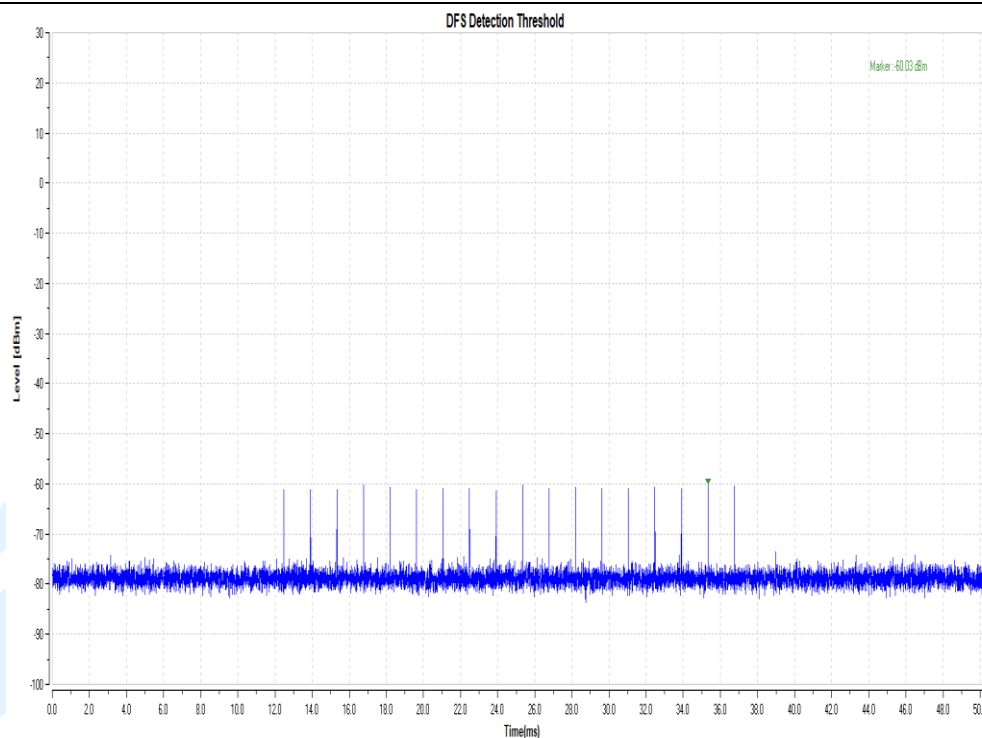
Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

Tel: +86-755-28230888

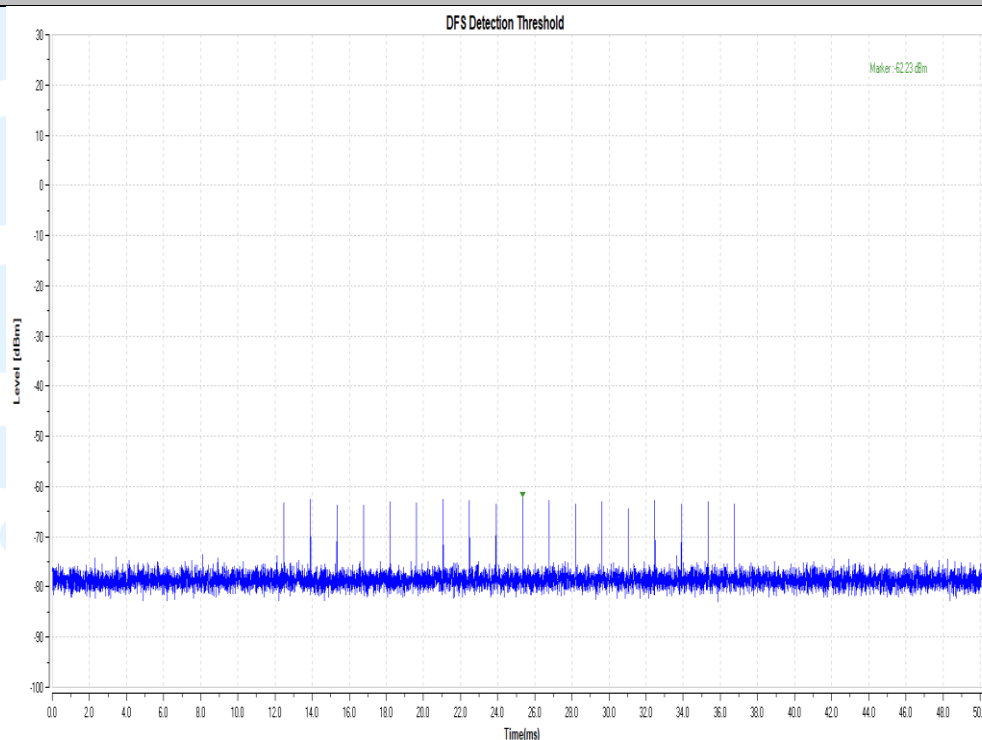
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E-mail: info@uttlab.com
<http://www.uttlab.com>

UTTR-RF-FCCPART15.407-V1.2



11AC80SISO-5290-Type0-PASS



11AC80SISO-5530-Type0-PASS