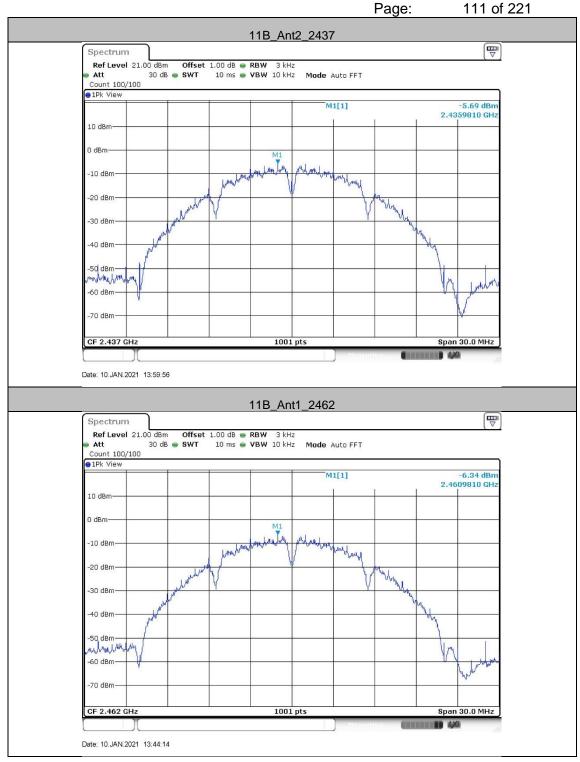


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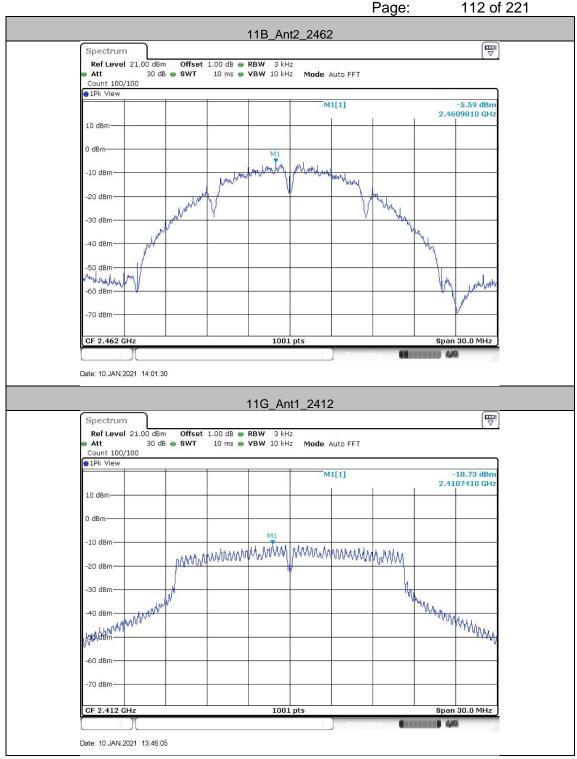
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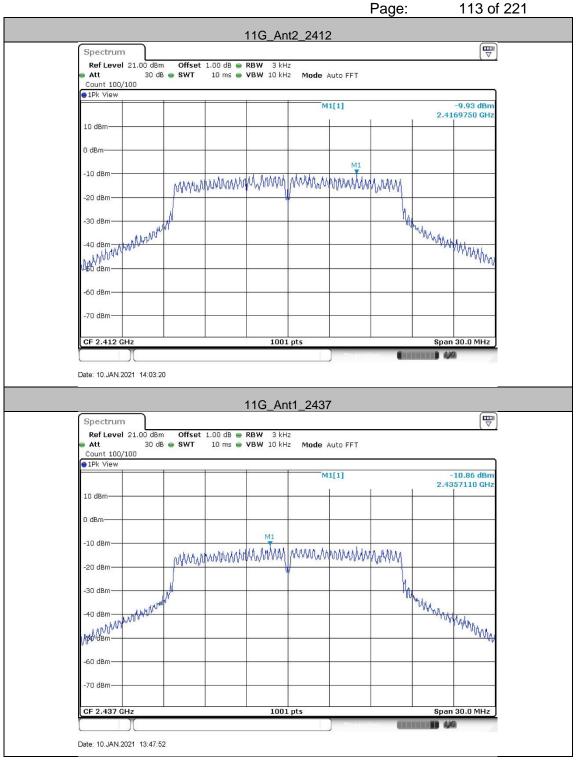
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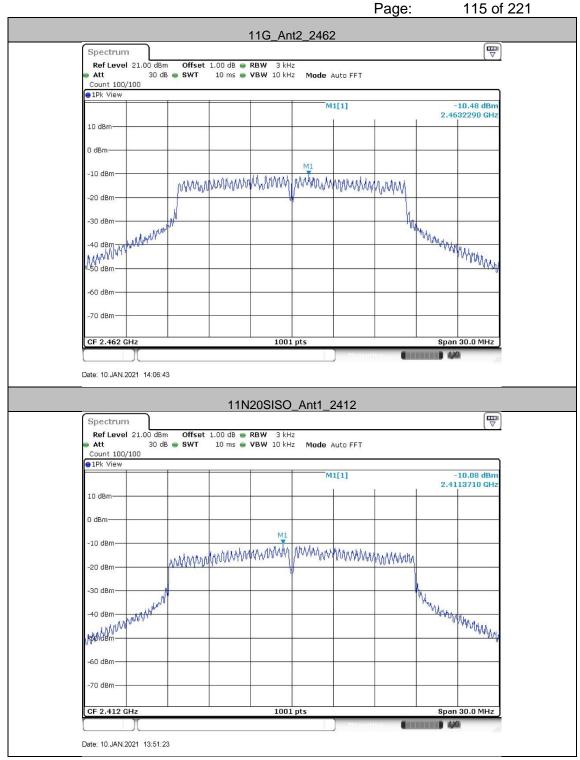
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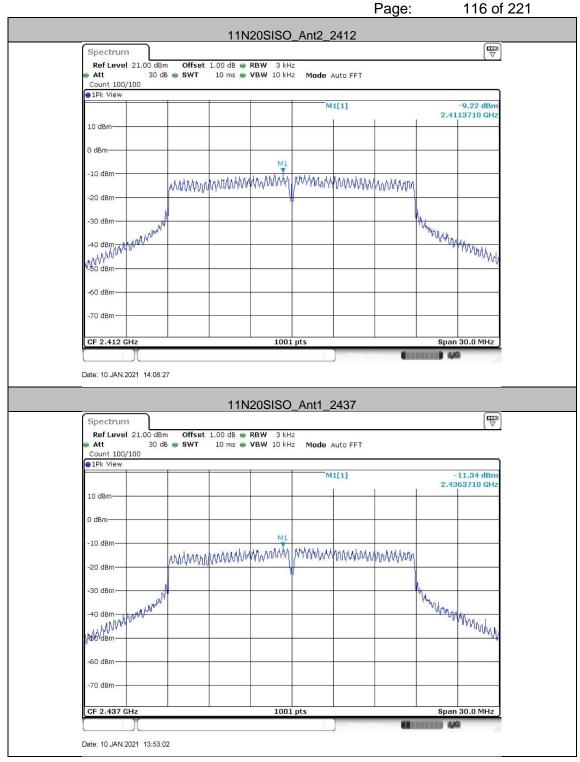
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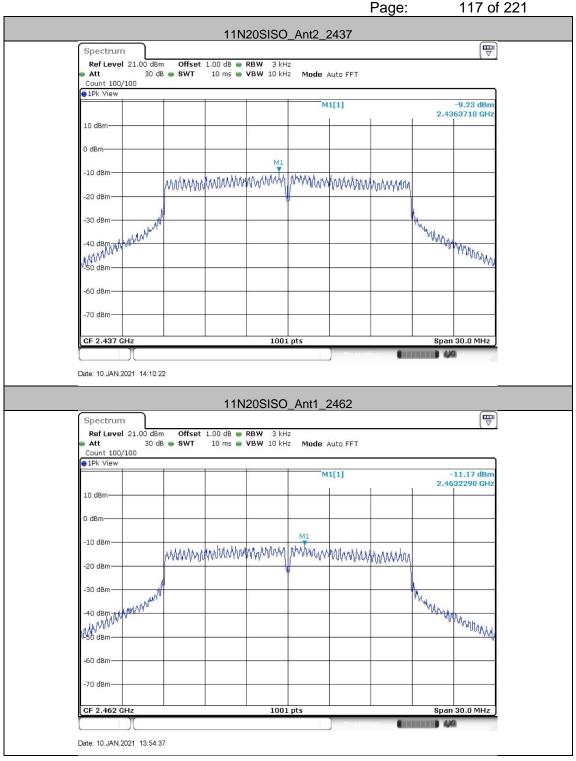
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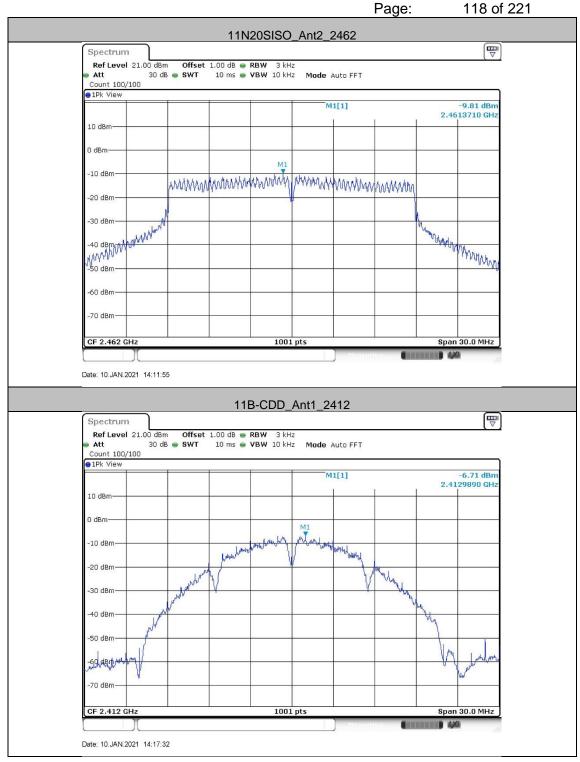
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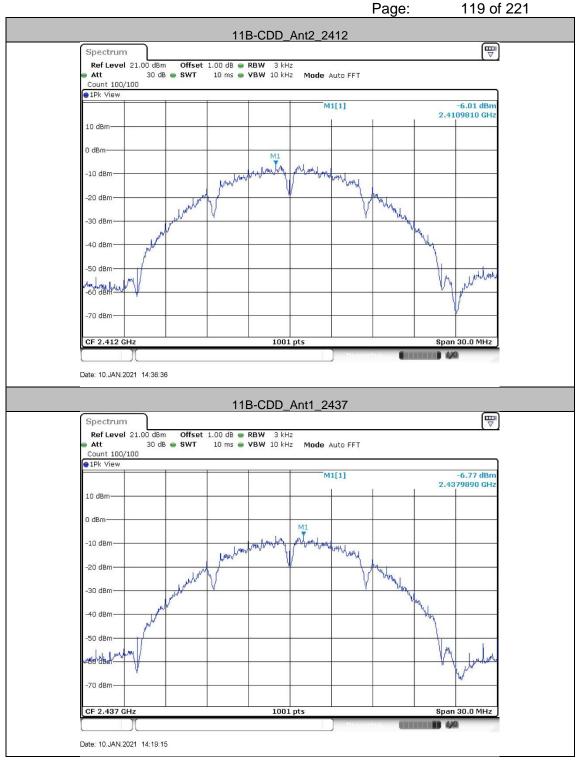
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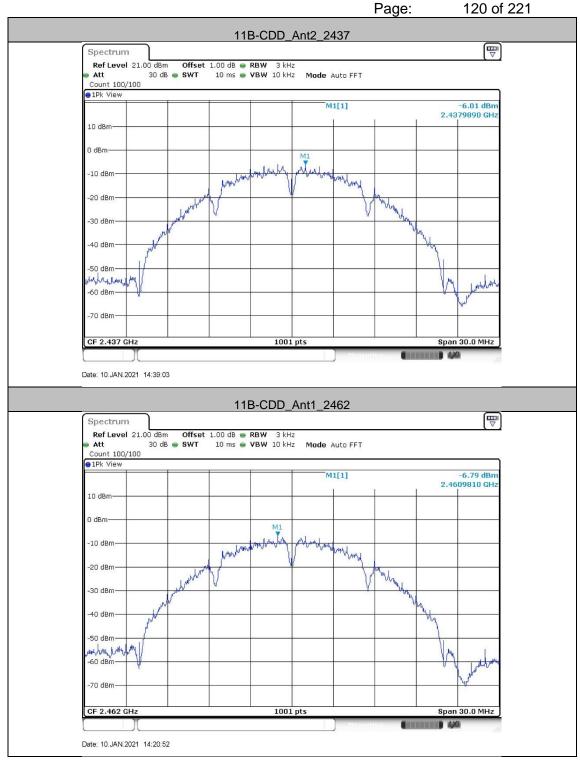
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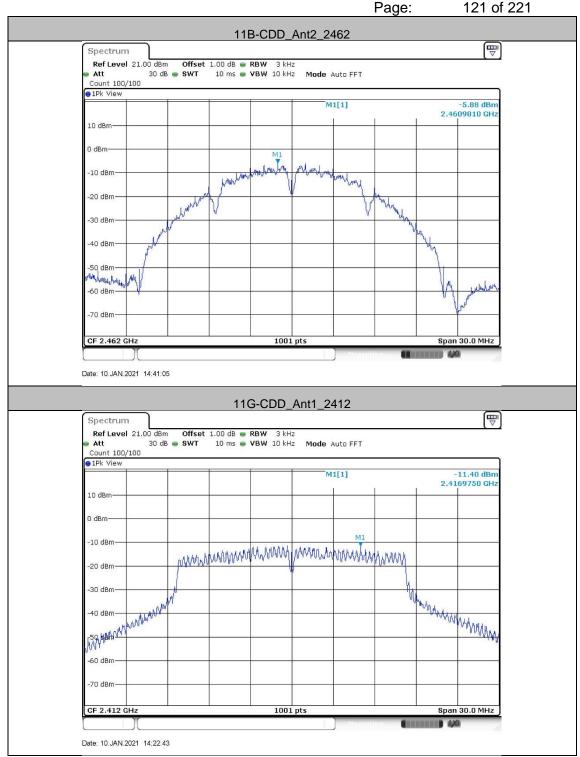
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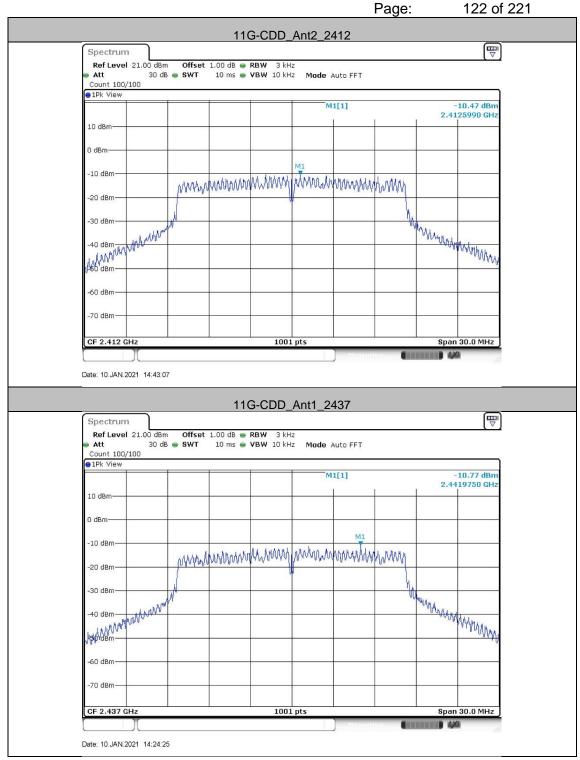
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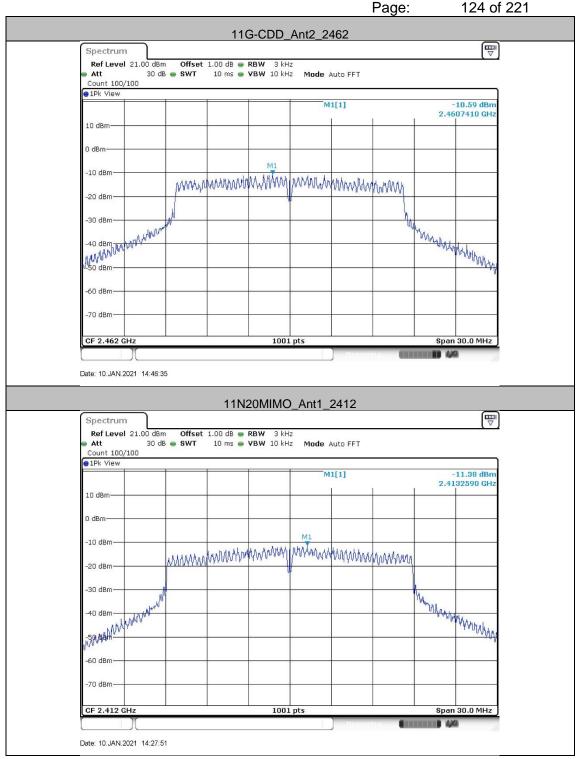
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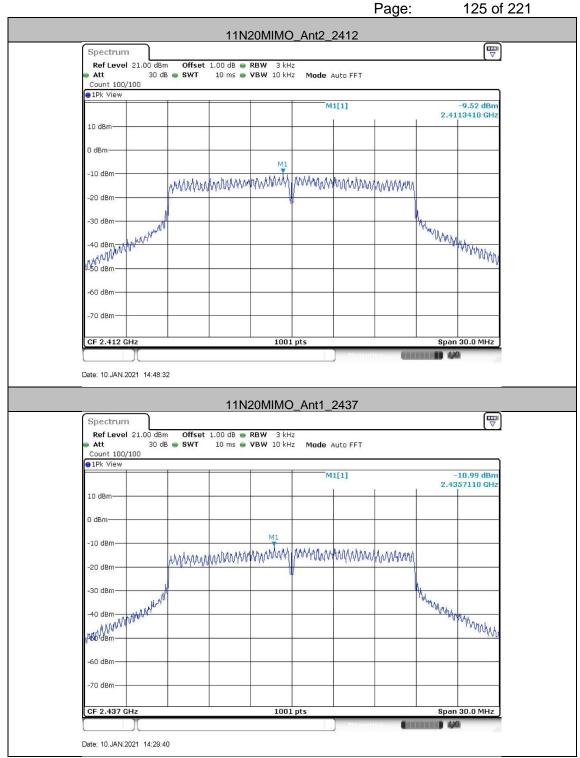
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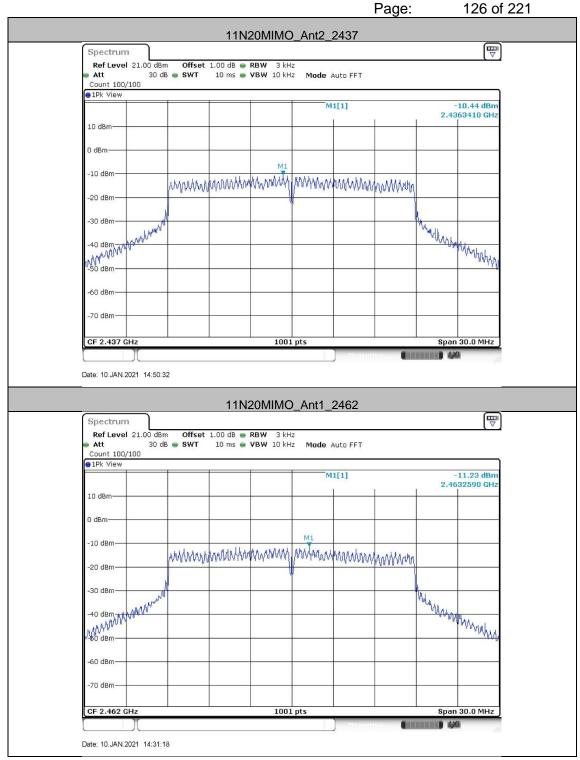
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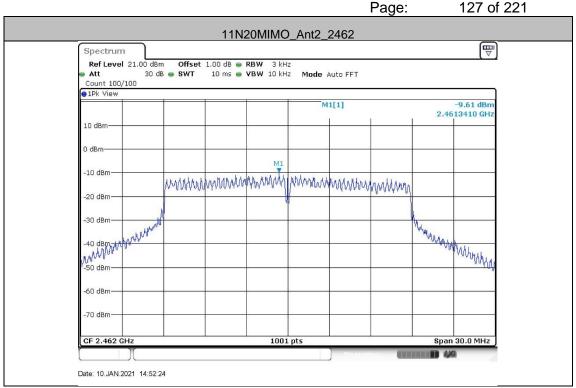
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### **Band edge measurements**

#### **Test Result**

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
	Ant1	Low	2412	6.47	-43.89	<=-13.53	PASS
	Ant2	Low	2412	7.37	-41.7	<=-12.63	PASS
11B	Ant1	High	2462	6.15	-55.44	<=-13.85	PASS
	Ant2	High	2462	7.00	-53.1	<=-13	PASS
	Ant1	Low	2412	3.86	-27.46	<=-16.14	PASS
440	Ant2	Low	2412	4.58	-24.94	<=-15.42	PASS
11G	Ant1	High	2462	3.38	-49.78	<=-16.62	PASS
	Ant2	High	2462	4.35	-46.72	<=-15.65	PASS
	Ant1	Low	2412	3.86	-27.86	<=-16.14	PASS
441000000	Ant2	Low	2412	4.56	-25.1	<=-15.44	PASS
11N20SISO	Ant1	High	2462	3.39	-50.33	<=-16.61	PASS
	Ant2	High	2462	4.44	-45.56	<=-15.56	PASS
	Ant1	Low	2412	6.52	-44.99	<=-13.48	PASS
445.055	Ant2	Low	2412	6.92	-42.29	<=-13.08	PASS
11B-CDD	Ant1	High	2462	5.82	-53.61	<=-14.18	PASS
	Ant2	High	2462	6.97	-53.89	<=-13.03	PASS
	Ant1	Low	2412	3.52	-30.52	<=-16.48	PASS
11G-CDD	Ant2	Low	2412	4.25	-24.86	<=-15.75	PASS
	Ant1	High	2462	3.30	-49.59	<=-16.7	PASS
	Ant2	High	2462	3.86	-49.39	<=-16.14	PASS
11N20MIMO	Ant1	Low	2412	3.36	-30.5	<=-16.64	PASS
	Ant2	Low	2412	3.99	-25.2	<=-16.01	PASS
	Ant1	High	2462	3.29	-50.83	<=-16.71	PASS
	Ant2	High	2462	4.01	-49.34	<=-15.99	PASS



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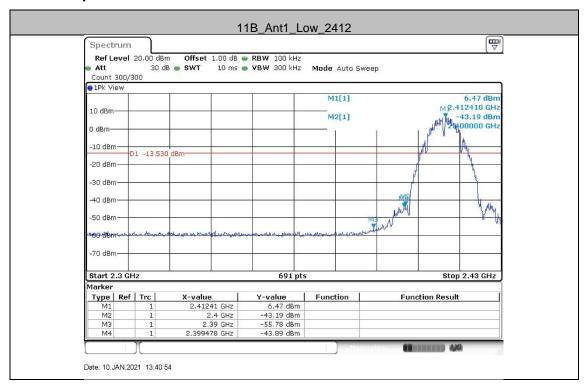
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#### **Test Graphs**





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VBW 300 kHz Mode Auto Sweep ●1Pk View M1[1] M2.412410 GHz -41.93 d.s.. 21400000 GHz M2[1] -10 dBm -20 dBm 30 dBm A Pulled 40 dBm -50 dBm de de 691 pts Stop 2.43 GHz Start 2.3 GHz 1arker Function **Function Result** Type 2.41241 GHz -41.93 dBm -57.27 dBm Ma Μ4 2.397594 GHz -41.70 dBm Date: 10.JAN.2021 13:58:20 11B\_Ant1\_High\_2462 8 Spectrum Ref Level 20.00 dBm Offset 1.00 dB @ RBW 100 kHz 30 dB 🅌 SWT 10 ms 🍙 VBW 300 kHz Att Mode Auto Sweep Count 300/300 1Pk View M1[1] 6.15 dBn 2.463000 GHz -56.43 dBm 10 dBr M2[1] MULLIN PLUM 2.483500 GHz 0 dBm -10 dBm -13.850 -30 dBn -40 dBm -50 dem 70 dBn 691 pts Start 2.44 GHz 1arke Туре Ref | Trc | X-value Y-value Function **Function Result** 6.15 dBm -56.43 dBm 2.4835 GHz 2.5 GHz 2.484 GHz

-59.28 dBm -55.44 dBm



Date: 10.JAN.2021 13:44:22

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Spectrum

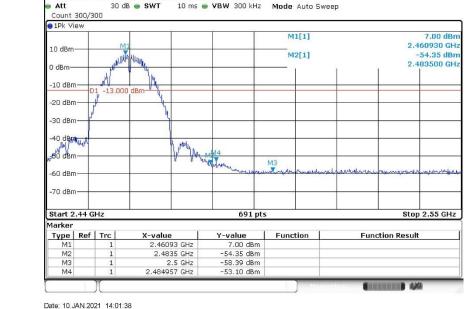
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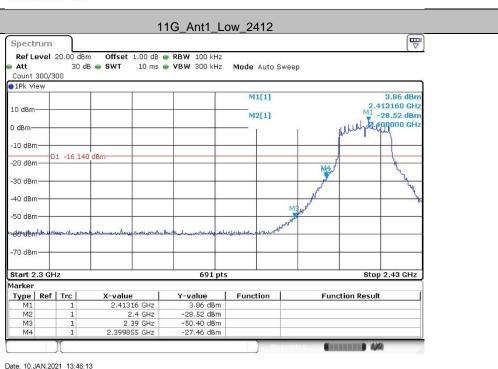
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11B\_Ant2\_High\_2462

Offset 1.00 dB RBW 100 kHz
SWT 10 ms VBW 300 kHz Mode Auto Sweep

M1[1] 7.00 dBm
2.460930 GHz







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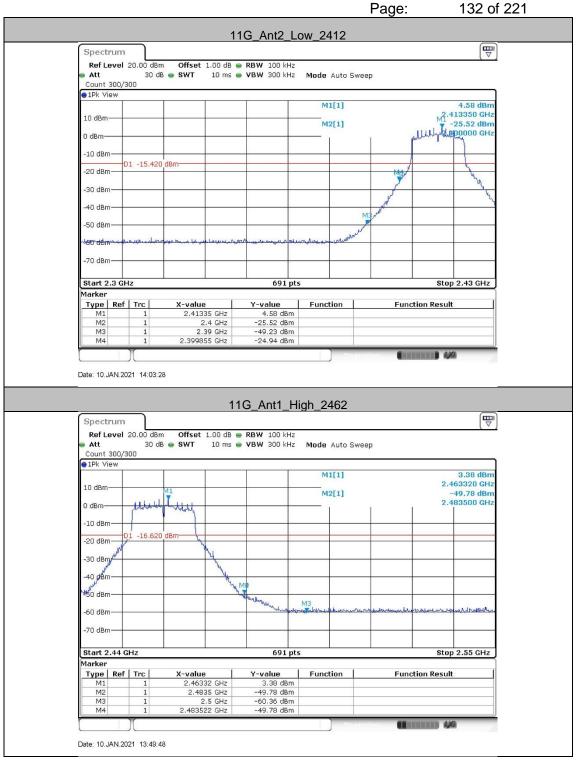
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VBW 300 kHz Mode Auto Sweep ●1Pk View M1[1] 4.35 dBr 2.460770 GHz M2[1] -46.72 dBn 2.483500 GHz -10 dBm -15.650 -20 dBm 30 dBn 40 dBr -50 dBn -60 dBm Start 2.44 GHz 691 pts Stop 2.55 GHz 1arke Y-value 4.35 dBm **Function Result** Type Function 2.46077 GHz 2.4835 GHz 2.5 GHz -46.72 dBm -60.00 dBm Ma 2.483522 GHz M4 -46.72 dBm Date: 10.JAN.2021 14:06:52 11N20SISO\_Ant1\_Low\_2412 8 Spectrum Ref Level 20.00 dBm Offset 1.00 dB @ RBW 100 kHz 30 dB 🅌 SWT 10 ms 🍅 VBW 300 kHz Att Mode Auto Sweep Count 300/300 1Pk View M1[1] 3.86 dBn 2.413160 GHz 10 dBn -29.09 dBm M2[1] 0 dBm -10 dBm D1 -16.140 dBm -30 dBm -40 dBm -50 dBm 70 dBn Stop 2.43 GHz Start 2.3 GH: /larke Туре Ref | Trc X-value Y-value Function **Function Result** 3.86 dBm -29.09 dBm 2.41316 GHz 2.4 GHz 2.39 GHz 2.399478 GHz -48.43 dBm -27.86 dBm



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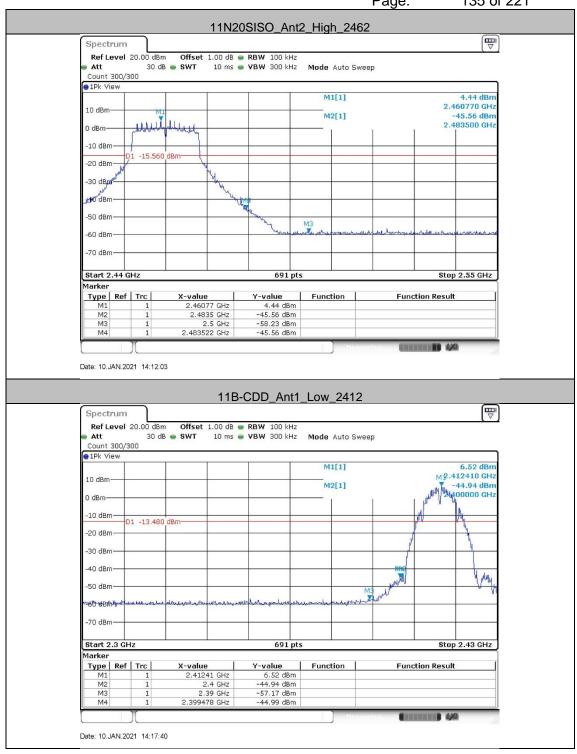
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Report No.: ZR/2020/C003404 136 of 221 Page: 11B-CDD\_Ant2\_Low\_2412 Spectrum Offset 1.00 dB @ RBW 100 kHz Att 30 dB . SWT 10 ms . VBW 300 kHz Mode Auto Sweep 1Pk View M1[1] -42.83 dBm M2[1] -10 dBm D1 -13.080 dBm -20 dBm 30 dBm 40 dBm THE LANGE -50 dBm 691 pts Stop 2.43 GHz Start 2.3 GHz 1arker Function Y-value 6.92 dBm **Function Result** Type 2.41147 GHz Ma -42.83 dBm Μ4 2.397594 GHz -42.29 dBm Date: 10.JAN.2021 14:36:44 11B-CDD\_Ant1\_High\_2462 Spectrum Ref Level 20.00 dBm Offset 1.00 dB @ RBW 100 kHz 30 dB 🅌 SWT 10 ms 🍙 VBW 300 kHz Att Mode Auto Sweep Count 300/300 1Pk View M1[1] 5.82 dBn 2.461410 GHz 10 dBr M2[1] -56.79 dBm MIN WILL 2.483500 GHz 0 dBm -10 dBm -14.180 -30 dBn -40 dBm -5d Hem 70 dBn 691 pts Start 2.44 GHz 1arke Туре Ref | Trc X-value Y-value Function **Function Result** 5.82 dBm -56.79 dBm -59.71 dBm -53.61 dBm 2.4835 GHz 2.5 GHz 2.484 GHz



Date: 10.JAN.2021 14:21:01

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VBW 300 kHz Mode Auto Sweep 1Pk View M1[1] 6.97 dBr 2.461410 GHz MAN THE M2[1] -53.89 dBn -10 dBm -13.030 -20 dBm €50 dBm -60 dBm -70 dBm Start 2.44 GHz 691 pts Stop 2.55 GHz 1arke Y-value 6.97 dBm **Function Result** Type Function 2.46141 GHz 2.4835 GHz 2.5 GHz Ma -53.89 dBm 2.483522 GHz M4 -53.89 dBm Date: 10.JAN.2021 14:41:13 11G-CDD\_Ant1\_Low\_2412 Spectrum Ref Level 20.00 dBm Offset 1.00 dB @ RBW 100 kHz 30 dB 🅌 SWT 10 ms 🍙 VBW 300 kHz Att Mode Auto Sweep Count 300/300 1Pk View M1[1] 3.52 dBn 2.413160 GHz 10 dBn M2[1] -30.71 dBm B. Pogooo GHz 0 dBm -10 dBm D1 -16.480 -30 dBm -40 dBm -50 dBm 70 dBn Stop 2.43 GHz Start 2.3 GHz /larke Туре Ref | Trc X-value Y-value Function **Function Result** 3.52 dBm -30.71 dBm 2.41316 GHz Ma 2.4 GHz 2.39 GHz 2.399855 GHz -51.53 dBm -30.52 dBm



Date: 10.JAN.2021 14:22:51

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Report No.: ZR/2020/C003404 Page: 138 of 221 11G-CDD\_Ant2\_Low\_2412 Spectrum Offset 1.00 dB @ RBW 100 kHz 10 ms 🍅 **VBW** 300 kHz Att 30 dB . SWT Mode Auto Sweep 1Pk View M1[1] 4.25 dBr 2.410720 GHz M2[1] -25.46 dBm -25.46 dBn -10 dBm D1 -15.750 dBm -20 dBm 30 dBm 40 dBm -50 dBm eo-dem 691 pts Stop 2.43 GHz Start 2.3 GHz 1arker Function X-value 2.41072 GHz Y-value 4.25 dBm **Function Result** Type -25.46 dBm -49.73 dBm Ma M4 2.399855 GHz -24.86 dBm Date: 10.JAN.2021 14:43:15 11G-CDD\_Ant1\_High\_2462 Spectrum Ref Level 20.00 dBm Offset 1.00 dB @ RBW 100 kHz 30 dB 👄 SWT 10 ms 🍙 **VBW** 300 kHz Att Mode Auto Sweep Count 300/300 1Pk View M1[1] 3.30 dBn 2.460770 GH 10 dBr M2[1] -51.23 dBm 2.483500 GHz 0 dBm -10 dBm -16,70 -30 dBrg/ -40 dBr 50 dBn 70 dBm Start 2.44 GHz 1arke Туре Ref | Trc X-value Y-value Function **Function Result** 3.30 dBm -51.23 dBm -58.71 dBm -49.59 dBm 2.4835 GHz 2.5 GHz 2.485116 GHz



Date: 10.JAN.2021 14:26:09

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VBW 300 kHz Mode Auto Sweep 1Pk View M1[1] 3.86 dBr 2.460770 GHz M2[1] -50.39 dBn -10 dBm -16.140 -20 dBm 30 dBg 49MBr -50 dBn -60 dBm Start 2.44 GHz 691 pts Stop 2.55 GHz 1arke Function Y-value 3.86 dBm **Function Result** Type 2.46077 GHz 2.4835 GHz 2.5 GHz -50.39 dBm -60.15 dBm Ma 2.487029 GHz M4 -49.39 dBm Date: 10.JAN.2021 14:46:43 11N20MIMO\_Ant1\_Low\_2412 Spectrum Ref Level 20.00 dBm Offset 1.00 dB @ RBW 100 kHz 30 dB 🅌 SWT 10 ms 🍙 VBW 300 kHz Att Mode Auto Sweep Count 300/300 1Pk View M1[1] 3.36 dBr 2.413160 GHz 10 dBn M2[1] -28.50 dBm 28.50 dBM 0 dBm -10 dBm D1 -16.640 -30 dBm -40 dBm -50 dBm 70 dBn Stop 2.43 GHz Start 2.3 GH: /larke Туре Ref | Trc X-value Y-value Function **Function Result** 3.36 dBm -28.50 dBm 2.41316 GHz M1 M2 2.4 GHz 2.39 GHz 2.399478 GHz -49.91 dBm -30.50 dBm



Date: 10.JAN.2021 14:28:00

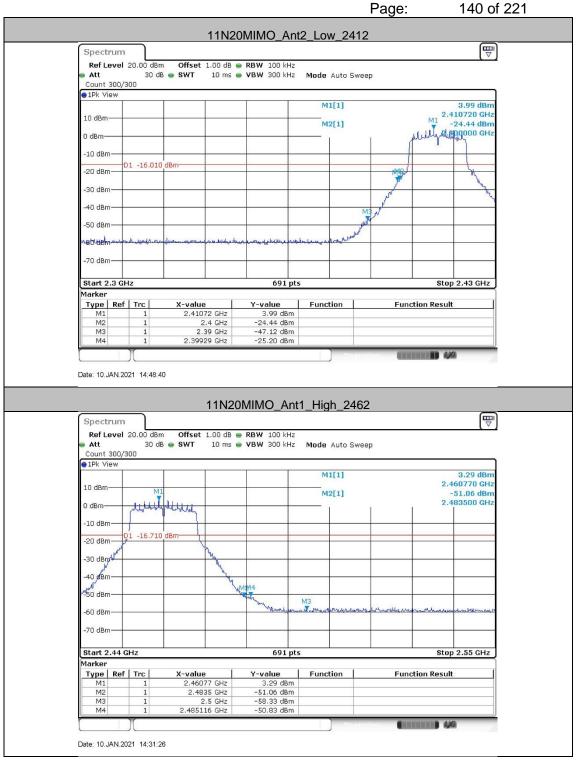
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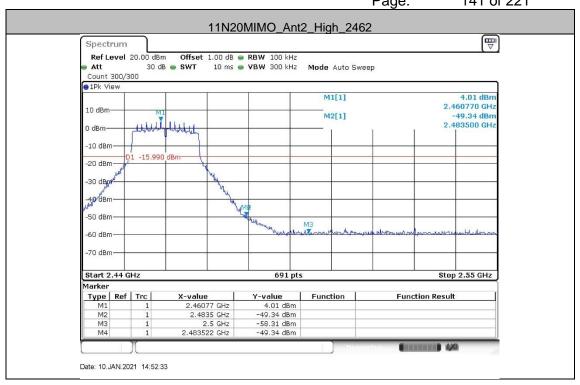
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### **Conducted Spurious Emission**

#### **Test Result**

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel	Result	Limit [dBm]	Verdict
		2412	Reference	6.14	6.14		PASS
	Ant1		30~1000	6.14	-45.97	<=-13.86	PASS
			1000~26500	6.14	-29.9	<=-13.86	PASS
			Reference	6.75	6.75		PASS
	Ant2	2412	30~1000	6.75	-46.02	<=-13.25	PASS
			1000~26500	6.75	-30.59	<=-13.25	PASS
		2437	Reference	6.25	6.25		PASS
	Ant1		30~1000	6.25	-45.49	<=-13.75	PASS
			1000~26500	6.25	-30.35	<=-13.75	PASS
11B	Ant2	2437	Reference	6.94	6.94		PASS
			30~1000	6.94	-45.3	<=-13.06	PASS
			1000~26500	6.94	-30.87	<=-13.06	PASS
	Ant1	2462	Reference	6.26	6.26		PASS
			30~1000	6.26	-45.38	<=-13.74	PASS
			1000~26500	6.26	-30.94	<=-13.74	PASS
	Ant2	2462	Reference	6.96	6.96		PASS
			30~1000	6.96	-46.37	<=-13.04	PASS
			1000~26500	6.96	-30.87	<=-13.04	PASS
11G	Ant1	2412	Reference	4.14	4.14		PASS
			30~1000	4.14	-45.95	<=-15.86	PASS
			1000~26500	4.14	-30.54	<=-15.86	PASS
	Ant2	2412	Reference	4.44	4.44		PASS
			30~1000	4.44	-44.65	<=-15.56	PASS
			1000~26500	4.44	-30.12	<=-15.56	PASS
	Ant1	2437	Reference	3.25	3.25		PASS



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		ı	1		Page:	143 01 22	. !
			30~1000	3.25	-44.99	<=-16.75	PASS
			1000~26500	3.25	-30.5	<=-16.75	PASS
		2437	Reference	4.61	4.61		PASS
	Ant2		30~1000	4.61	-45.68	<=-15.39	PASS
			1000~26500	4.61	-30.83	<=-15.39	PASS
		2462	Reference	3.56	3.56		PASS
	Ant1		30~1000	3.56	-44.76	<=-16.44	PASS
			1000~26500	3.56	-30.61	<=-16.44	PASS
		2462	Reference	3.83	3.83		PASS
	Ant2		30~1000	3.83	-45.81	<=-16.17	PASS
			1000~26500	3.83	-30.76	<=-16.17	PASS
		2412	Reference	3.70	3.70		PASS
	Ant1		30~1000	3.70	-45.85	<=-16.3	PASS
			1000~26500	3.70	-31.05	<=-16.3	PASS
	Ant2	2412	Reference	4.67	4.67		PASS
			30~1000	4.67	-45.2	<=-15.33	PASS
			1000~26500	4.67	-29.79	<=-15.33	PASS
	Ant1	2437	Reference	3.62	3.62		PASS
			30~1000	3.62	-45.26	<=-16.38	PASS
1111200100			1000~26500	3.62	-30.79	<=-16.38	PASS
11N20SISO	Ant2	2437	Reference	4.32	4.32		PASS
			30~1000	4.32	-45.03	<=-15.68	PASS
-			1000~26500	4.32	-30.64	<=-15.68	PASS
	Ant1	2462	Reference	3.59	3.59		PASS
			30~1000	3.59	-45.45	<=-16.41	PASS
			1000~26500	3.59	-30.2	<=-16.41	PASS
	Ant2	2462	Reference	4.51	4.51		PASS
			30~1000	4.51	-45.4	<=-15.49	PASS
			1000~26500	4.51	-29.85	<=-15.49	PASS
11B-CDD	Ant1	2412	Reference	5.93	5.93		PASS



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30-1000   5.93   -46.63   <=-14.07   PASS	_	1	1			Page:	144 of 22	21
Ant2 2412				30~1000	5.93	-46.63	<=-14.07	PASS
Ant2 2412				1000~26500	5.93	-30.07	<=-14.07	PASS
Name				Reference	6.92	6.92		PASS
Ant1		Ant2	2412	30~1000	6.92	-46.21	<=-13.08	PASS
Ant1 2437 30~1000 5.93 -45.43 <=-14.07 PASS				1000~26500	6.92	-30.86	<=-13.08	PASS
Note			2437	Reference	5.93	5.93		PASS
Ant2 2437		Ant1		30~1000	5.93	-45.43	<=-14.07	PASS
Ant2 2437				1000~26500	5.93	-30.39	<=-14.07	PASS
Ant1   2462   30~1000   5.64   -45				Reference	6.57	6.57		PASS
Ant1 2462		Ant2	2437	30~1000	6.57	-44.71	<=-13.43	PASS
Ant1 2462 30~1000 5.64 -45 <=-14.36 PASS   1000~26500 5.64 -30.16 <=-14.36 PASS   Reference 6.64 6.64 PASS   1000~26500 6.64 -45.33 <=-13.36 PASS   1000~26500 6.64 -30.71 <=-13.36 PASS   1000~26500 6.64 -30.71 <=-13.36 PASS   Reference 3.79 3.79 PASS   1000~26500 3.79 -45.11 <=-16.21 PASS   1000~26500 3.79 -30.84 <=-16.21 PASS   Reference 4.41 4.41 PASS   1000~26500 4.41 -45.71 <=-15.59 PASS   1000~26500 4.41 -31.11 <=-15.59 PASS   1000~26500 4.41 -31.11 <=-15.59 PASS   1000~26500 2.24 -44.94 <=-17.76 PASS   Reference 3.62 3.62 PASS   Reference 3.62 3.62 PASS   Reference 3.62 3.62 PASS   1000~26500 3.62 -30.89 <=-16.38 PASS   1000~26500 3.62 -30.89 <=-16.38 PASS				1000~26500	6.57	-30.62	<=-13.43	PASS
1000~26500   5.64   -30.16   <=-14.36   PASS     Reference			2462	Reference	5.64	5.64		PASS
Ant2 2462		Ant1		30~1000	5.64	-45	<=-14.36	PASS
Ant2 2462 30~1000 6.64 -45.33 <=-13.36 PASS				1000~26500	5.64	-30.16	<=-14.36	PASS
1000~26500   6.64   -30.71   <=-13.36   PASS     Reference   3.79   3.79     PASS     30~1000   3.79   -45.11   <=-16.21   PASS     1000~26500   3.79   -30.84   <=-16.21   PASS     Reference   4.41   4.41     PASS     Reference   4.41   -45.71   <=-15.59   PASS     1000~26500   4.41   -31.11   <=-15.59   PASS     1000~26500   4.41   -31.11   <=-15.59   PASS     1000~26500   2.24   2.24     PASS     1000~26500   2.24   -30.56   <=-17.76   PASS     Reference   3.62   3.62     PASS     Reference   3.62   3.62     PASS     1000~26500   3.62   -45.76   <=-16.38   PASS     1000~26500   3.62   -30.89   <=-16.38   PASS     1000~26500   3.62   -30.89   <=-16.38   PASS			2462	Reference	6.64	6.64		PASS
Ant1 2412		Ant2		30~1000	6.64	-45.33	<=-13.36	PASS
Ant1 2412 30~1000 3.79 -45.11 <=-16.21 PASS				1000~26500	6.64	-30.71	<=-13.36	PASS
1000~26500   3.79   -30.84   <=-16.21   PASS     Reference		Ant1	2412	Reference	3.79	3.79		PASS
Ant2 2412 Reference 4.41 4.41 PASS    30~1000				30~1000	3.79	-45.11	<=-16.21	PASS
Ant2 2412 30~1000 4.41 -45.71 <=-15.59 PASS  1000~26500 4.41 -31.11 <=-15.59 PASS  Reference 2.24 2.24 PASS  1000~26500 2.24 -44.94 <=-17.76 PASS  1000~26500 2.24 -30.56 <=-17.76 PASS  Reference 3.62 3.62 PASS  Ant2 2437 30~1000 3.62 -45.76 <=-16.38 PASS  1000~26500 3.62 -30.89 <=-16.38 PASS				1000~26500	3.79	-30.84	<=-16.21	PASS
11G-CDD  Ant1 2437		Ant2	2412	Reference	4.41	4.41		PASS
Ant1				30~1000	4.41	-45.71	<=-15.59	PASS
Ant1 2437 30~1000 2.24 -44.94 <=-17.76 PASS	11G-CDD			1000~26500	4.41	-31.11	<=-15.59	PASS
Ant2 2437		Ant1	2437	Reference	2.24	2.24		PASS
Ant2 2437 Reference 3.62 3.62 PASS 3.62 3.62 PASS 1000~26500 3.62 -45.76 <=-16.38 PASS PASS				30~1000	2.24	-44.94	<=-17.76	PASS
Ant2 2437 30~1000 3.62 -45.76 <=-16.38 PASS 1000~26500 3.62 -30.89 <=-16.38 PASS				1000~26500	2.24	-30.56	<=-17.76	PASS
1000~26500 3.62 -30.89 <=-16.38 PASS		Ant2	2437	Reference	3.62	3.62		PASS
				30~1000	3.62	-45.76	<=-16.38	PASS
Ant1 2462 Reference 2.92 2.92 PASS				1000~26500	3.62	-30.89	<=-16.38	PASS
		Ant1	2462	Reference	2.92	2.92		PASS



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