

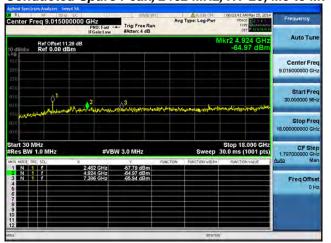
Conducted Spurs Peak, 2462 MHz, HT-20, M0 to M7



Antenna A



Conducted Spurs Peak, 2462 MHz, HT-20, M0 to M7



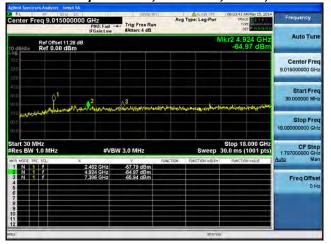




Antenna B



Conducted Spurs Peak, 2462 MHz, HT-20, M8 to M15



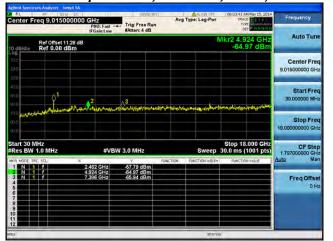


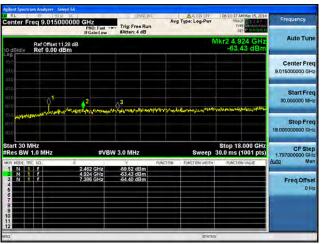


Antenna B

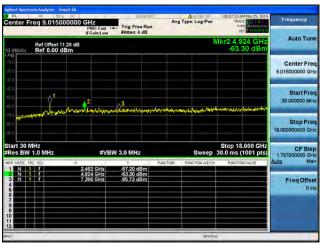


Conducted Spurs Peak, 2462 MHz, HT-20, M0 to M7





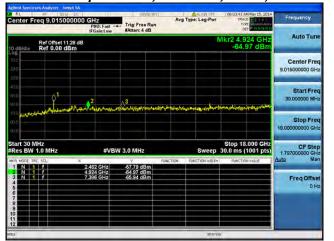
Antenna C



Antenna B

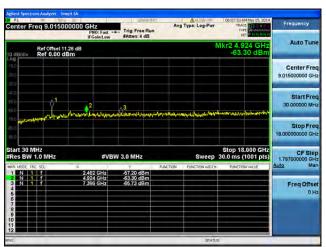


Conducted Spurs Peak, 2462 MHz, HT-20, M8 to M15





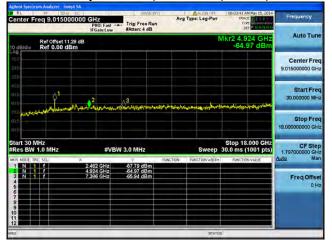
Antenna C

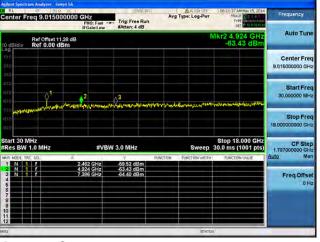


Antenna B

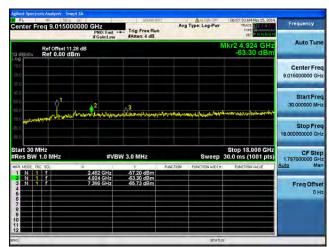


Conducted Spurs Peak, 2462 MHz, HT-20, M16 to M23





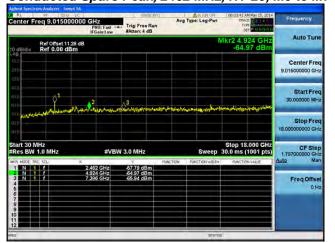
Antenna C



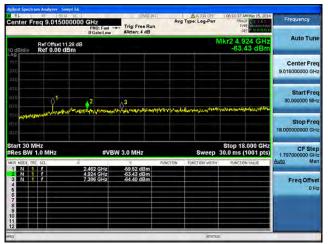
Antenna B



Conducted Spurs Peak, 2462 MHz, HT-20, M0 to M7



Antenna A



Antenna C

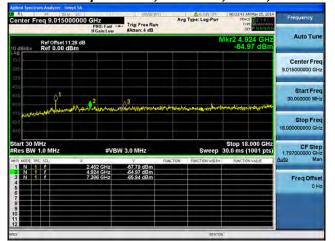




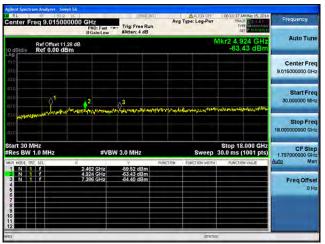
Antenna D



Conducted Spurs Peak, 2462 MHz, HT-20, M8 to M15

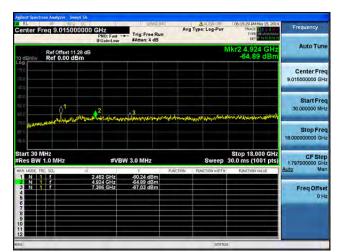


Antenna A



Antenna C

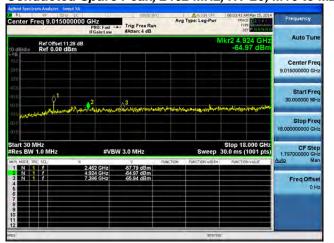




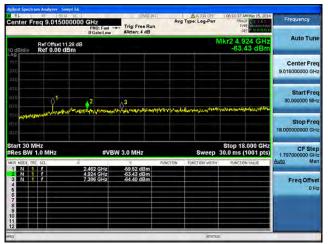
Antenna D



Conducted Spurs Peak, 2462 MHz, HT-20, M16 to M23

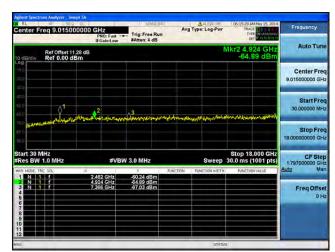


Antenna A



Antenna C

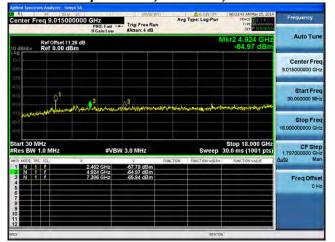


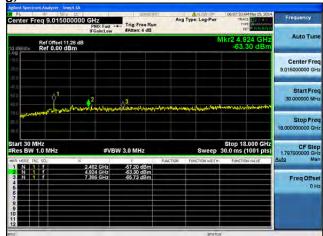


Antenna D



Conducted Spurs Peak, 2462 MHz, HT-20 Beam Forming, M0 to M7

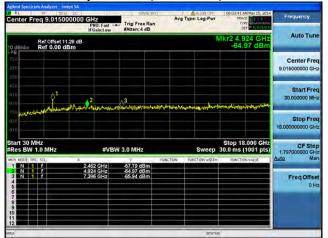


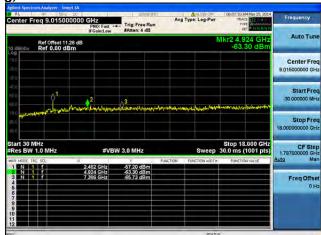


Antenna A Antenna B



Conducted Spurs Peak, 2462 MHz, HT-20 Beam Forming, M8 to M15

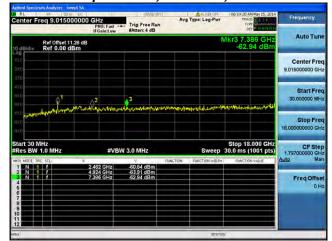


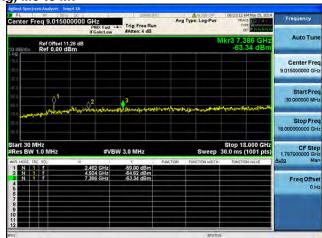


Antenna A Antenna B



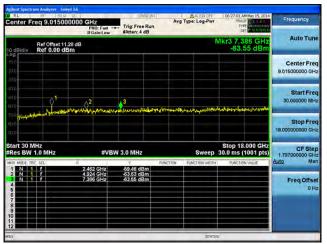
Conducted Spurs Peak, 2462 MHz, HT-20 Beam Forming, M0 to M7





Antenna A

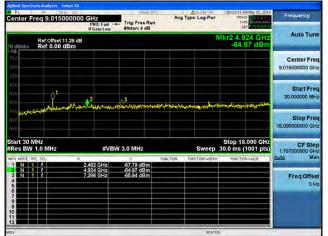
Antenna B

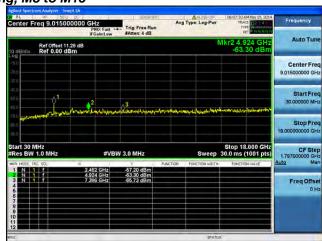


Antenna C

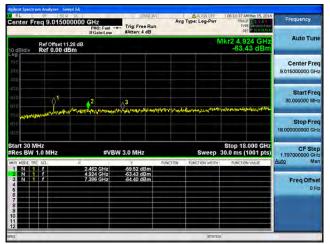


Conducted Spurs Peak, 2462 MHz, HT-20 Beam Forming, M8 to M15





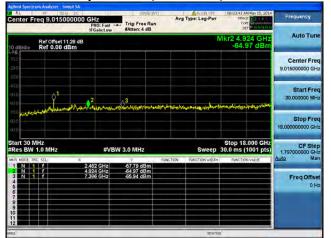
Antenna B

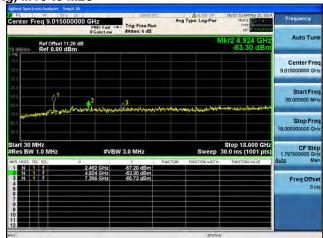


Antenna C

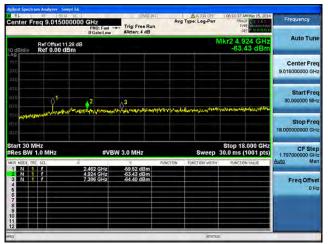


Conducted Spurs Peak, 2462 MHz, HT-20 Beam Forming, M16 to M23





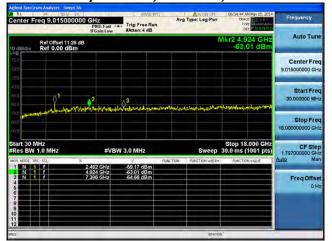
Antenna B

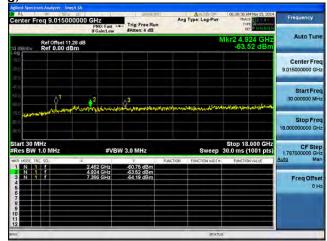


Antenna C



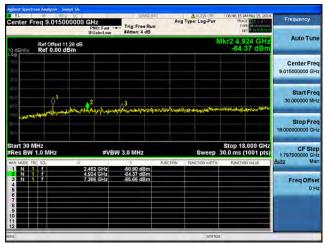
Conducted Spurs Peak, 2462 MHz, HT-20 Beam Forming, M0 to M7







Antenna B

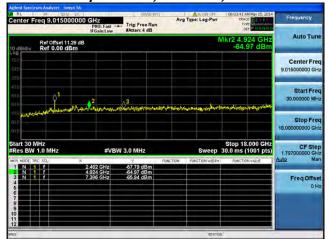


Antenna C

Antenna D



Conducted Spurs Peak, 2462 MHz, HT-20 Beam Forming, M8 to M15

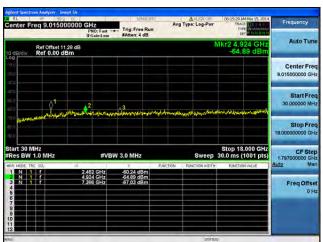




Antenna A





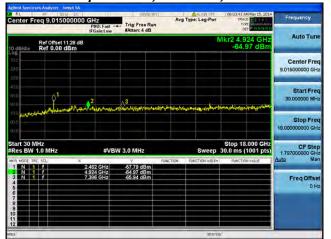


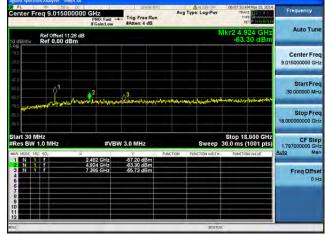
Antenna C

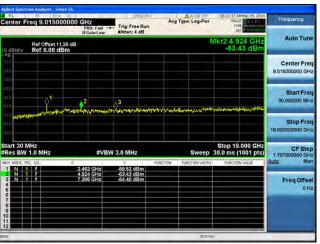
Antenna D



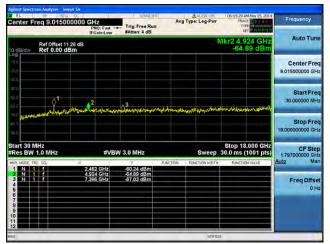
Conducted Spurs Peak, 2462 MHz, HT-20 Beam Forming, M16 to M23







Antenna B

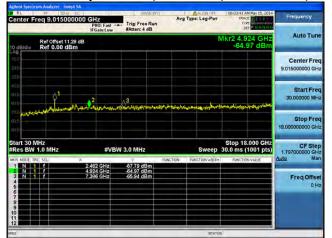


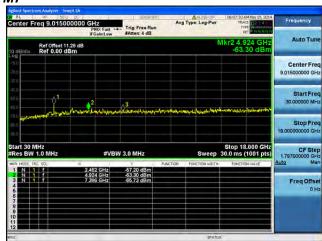
Antenna C

Antenna D



Conducted Spurs Peak, 2462 MHz, HT-20 STBC, M0 to M7

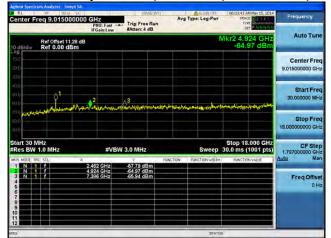


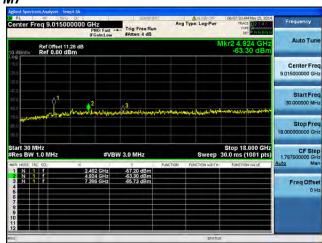


Antenna A Antenna B

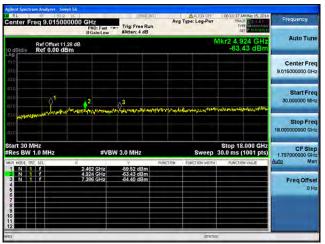


Conducted Spurs Peak, 2462 MHz, HT-20 STBC, M0 to M7





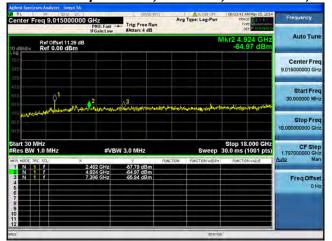
Antenna B



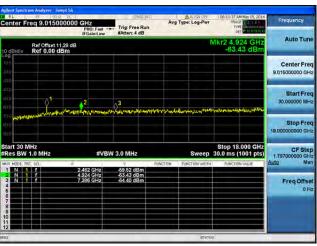
Antenna C



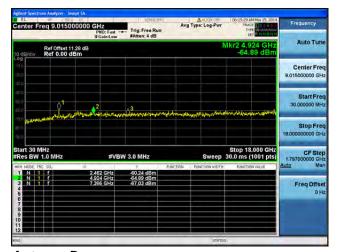
Conducted Spurs Peak, 2462 MHz, HT-20 STBC, M0 to M7







Antenna B



Antenna C

Antenna D



Conducted Bandedge

15.205: Radiated emissions which fall in the restricted bands, as defined in Section

15.205(a), must also comply with the radiated emission limits specified in Section

15.209(a) (see Section 15.205(c)).

Use the procedures in 558074 D01 DTS Meas Guidance v03r02.

Connect the antenna port(s) to the spectrum analyzer input. Place the radio in continuous transmit mode. Be sure to enter all losses between the transmitter output and the spectrum analyzer.

Reference Level: 10 dBm Attenuation: 4 dB Sweep Time: Coupled Resolution Bandwidth: 1MHz

Video Bandwidth: 100 Hz for average

Detector: Peak

Save 2 plots: Average Plot (Vertical and Horizontal), Limit= -41.25 dBm eirp (54dBuV/m @3m)

Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands.

The "measure-and-sum technique" is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units.

This report represents the worst case data for all supported operating modes and antennas.

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Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Bandedge Level (dBm)	Tx 2 Bandedge Level (dBm)	Tx 3 Bandedge Level (dBm)	Tx 4 Bandedge Level (dBm)	Total Tx Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
	CCK, 1 to 11 Mbps	1	13	-55.3				-42.3	-41.25	1.1
	CCK, 1 to 11 Mbps	2	13	-55.3	-64.6			-41.8	-41.25	0.6
	CCK, 1 to 11 Mbps	3	13	-55.3	-64.6	-65.7		-41.5	-41.25	0.2
	CCK, 1 to 11 Mbps	4	13	-57.4	-66.3	-67.4	-66.3	-43.1	-41.25	1.8
	Non HT-20, 6 to 54 Mbps	1	13	-54.5				-41.5	-41.25	0.3
	Non HT-20, 6 to 54 Mbps	2	13	-56.4	-61.3			-42.2	-41.25	0.9
	Non HT-20, 6 to 54 Mbps	3	13	-56.4	-61.3	-63.4		-41.6	-41.25	0.3
	Non HT-20, 6 to 54 Mbps	4	13	-58.8	-63.2	-65.6	-63.1	-42.9	-41.25	1.7
	Non HT-20 Beam Forming, 6 to 54 Mbps	2	13	-56.4	-61.3			-42.2	-41.25	0.9
	Non HT-20 Beam Forming, 6 to 54 Mbps	3	16	-60.6	-65.0	-67.4		-42.6	-41.25	1.4
2412	Non HT-20 Beam Forming, 6 to 54 Mbps	4	16	-60.6	-65.0	-67.4	-66.2	-41.9	-41.25	0.7
	HT-20, M0 to M7	1	13	-55.4				-42.4	-41.25	1.2
	HT-20, M0 to M7	2	13	-55.4	-61.0			-41.3	-41.25	0.1
	HT-20, M8 to M15	2	13	-55.4	-61.0			-41.3	-41.25	0.1
	HT-20, M0 to M7	3	13	-57.3	-62.8	-71.1		-43.1	-41.25	1.8
	HT-20, M8 to M15	3	13	-57.3	-62.8	-71.1		-43.1	-41.25	1.8
	HT-20, M16 to M23	3	13	-57.3	-62.8	-71.1		-43.1	-41.25	1.8
	HT-20, M0 to M7	4	13	-57.3	-62.8	-71.1	-63.0	-42.3	-41.25	1.0
	HT-20, M8 to M15	4	13	-57.3	-62.8	-71.1	-63.0	-42.3	-41.25	1.0
	HT-20, M16 to M23	4	13	-57.3	-62.8	-71.1	-63.0	-42.3	-41.25	1.0
	HT-20 Beam Forming, M0 to M7	2	13	-55.4	-61.0			-41.3	-41.25	0.1
	HT-20 Beam Forming, M8 to M15	2	13	-55.4	-61.0			-41.3	-41.25	0.1
	HT-20 Beam Forming, M0 to M7	3	13	-57.3	-62.8	-71.1		-43.1	-41.25	1.8
	HT-20 Beam Forming, M8 to M15	3	13	-57.3	-62.8	-71.1		-43.1	-41.25	1.8
	HT-20 Beam Forming, M16 to M23	3	13	-57.3	-62.8	-71.1		-43.1	-41.25	1.8
	HT-20 Beam Forming, M0 to M7	4	13	-57.3	-62.8	-71.1	-63.0	-42.3	-41.25	1.0
	HT-20 Beam Forming, M8 to M15	4	13	-57.3	-62.8	-71.1	-63.0	-42.3	-41.25	1.0
	HT-20 Beam Forming, M16 to M23	4	13	-57.3	-62.8	-71.1	-63.0	-42.3	-41.25	1.0
	HT-20 STBC, M0 to M7	2	13	-55.4	-61.0			-41.3	-41.25	0.1
	HT-20 STBC, M0 to M7	3	13	-57.3	-62.8	-71.1		-43.1	-41.25	1.8
	HT-20 STBC, M0 to M7	4	13	-57.3	-62.8	-71.1	-63.0	-42.3	-41.25	1.0
9	CCK, 1 to 11 Mbps	1	13	-57.3				-44.3	-41.25	3.1
246	CCK, 1 to 11 Mbps	2	13	-57.3	-58.5			-41.8	-41.25	0.6

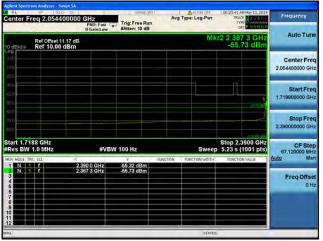
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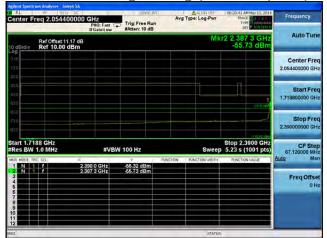
CCK, 1 to 11 Mbps	3	13	-60.2	-61.5	-57.6		-41.7	-41.25	0.4
CCK, 1 to 11 Mbps	4	13	-63.4	-63.8	-60.0	-61.3	-42.8	-41.25	1.6
Non HT-20, 6 to 54 Mbps	1	13	-54.7				-41.7	-41.25	0.5
Non HT-20, 6 to 54 Mbps	2	13	-58.7	-57.6			-42.1	-41.25	0.9
Non HT-20, 6 to 54 Mbps	3	13	-64.5	-60.5	-63.6		-44.7	-41.25	3.5
Non HT-20, 6 to 54 Mbps	4	13	-64.5	-60.5	-63.6	-63.3	-43.7	-41.25	2.4
Non HT-20 Beam Forming, 6 to 54 Mbps	2	13	-58.7	-57.6			-42.1	-41.25	0.9
Non HT-20 Beam Forming, 6 to 54 Mbps	3	16	-64.5	-60.5	-63.6		-41.7	-41.25	0.5
Non HT-20 Beam Forming, 6 to 54 Mbps	4	16	-66.6	-62.3	-66.2	-64.5	-42.5	-41.25	1.3
HT-20, M0 to M7	1	13	-55.1				-42.1	-41.25	0.9
HT-20, M0 to M7	2	13	-60.5	-60.1			-44.3	-41.25	3.0
HT-20, M8 to M15	2	13	-60.5	-60.1			-44.3	-41.25	3.0
HT-20, M0 to M7	3	13	-60.5	-60.1	-61.4		-42.9	-41.25	1.6
HT-20, M8 to M15	3	13	-60.5	-60.1	-61.4		-42.9	-41.25	1.6
HT-20, M16 to M23	3	13	-60.5	-60.1	-61.4		-42.9	-41.25	1.6
HT-20, M0 to M7	4	13	-60.5	-60.1	-61.4	-60.7	-41.6	-41.25	0.4
HT-20, M8 to M15	4	13	-60.5	-60.1	-61.4	-60.7	-41.6	-41.25	0.4
HT-20, M16 to M23	4	13	-60.5	-60.1	-61.4	-60.7	-41.6	-41.25	0.4
HT-20 Beam Forming, M0 to M7	2	13	-60.5	-60.1			-44.3	-41.25	3.0
HT-20 Beam Forming, M8 to M15	2	13	-60.5	-60.1			-44.3	-41.25	3.0
HT-20 Beam Forming, M0 to M7	3	16	-63.3	-61.8	-64.0		-42.2	-41.25	0.9
HT-20 Beam Forming, M8 to M15	3	13	-60.5	-60.1	-61.4		-42.9	-41.25	1.6
HT-20 Beam Forming, M16 to M23	3	13	-60.5	-60.1	-61.4		-42.9	-41.25	1.6
HT-20 Beam Forming, M0 to M7	4	16	-65.5	-64.5	-66.2	-64.3	-43.0	-41.25	1.8
HT-20 Beam Forming, M8 to M15	4	13	-60.5	-60.1	-61.4	-60.7	-41.6	-41.25	0.4
HT-20 Beam Forming, M16 to M23	4	13	-60.5	-60.1	-61.4	-60.7	-41.6	-41.25	0.4
HT-20 STBC, M0 to M7	2	13	-60.5	-60.1			-44.3	-41.25	3.0
HT-20 STBC, M0 to M7	3	13	-60.5	-60.1	-61.4		-42.9	-41.25	1.6
HT-20 STBC, M0 to M7	4	13	-60.5	-60.1	-61.4	-60.7	-41.6	-41.25	0.4

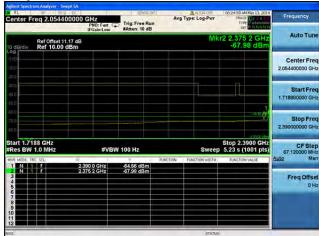
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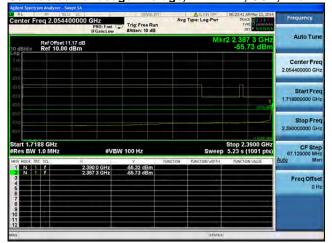




Antenna A

Antenna B





| April | Apri

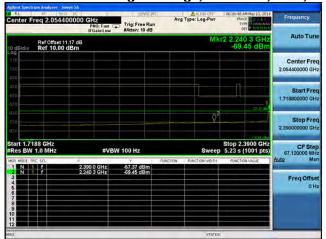
Antenna A

Appendix protection analyses—serge that the protection of the prot

Antenna C

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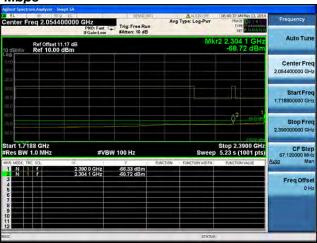


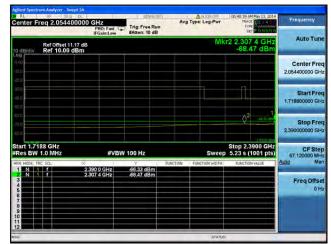


Antenna A

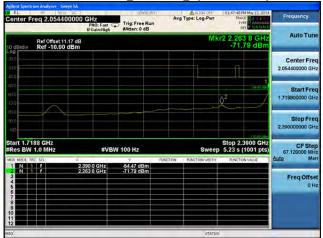


Antenna C

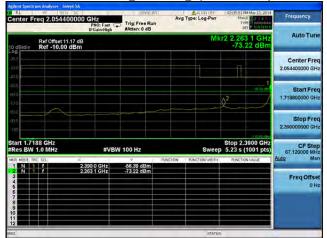


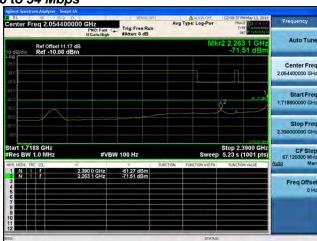


Antenna D



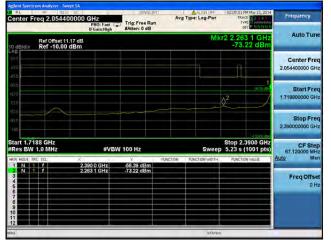


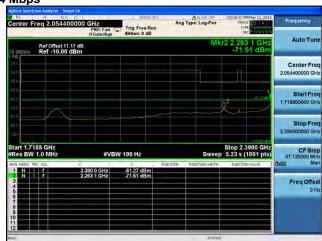




Antenna A Antenna B





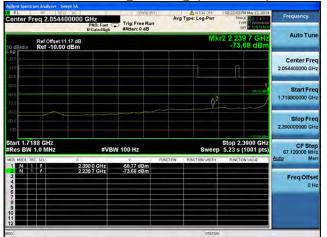


Antenna B



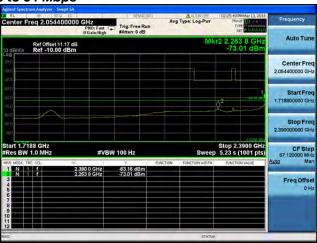
Antenna C



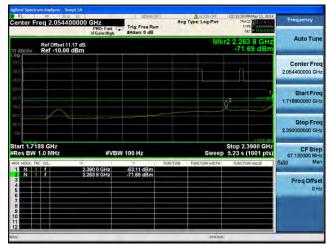




Antenna C

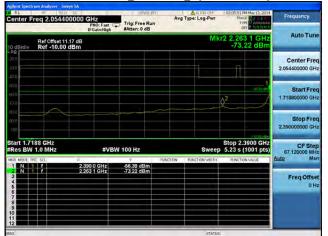


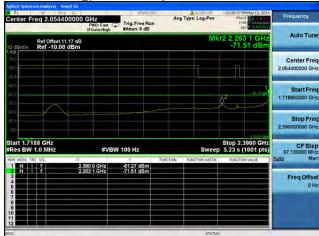
Antenna B



Antenna D





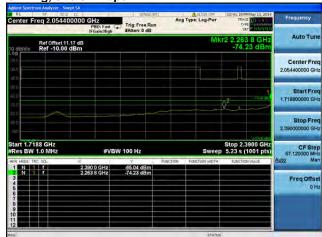


Antenna A

Antenna B







Antenna B



Antenna C







Antenna A

tenna A Antenr



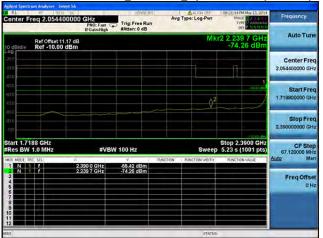
Ref Offset 11.17 dB Ref -10.00 dBm -73.03 dB

Trig: Free Run

Antenna C

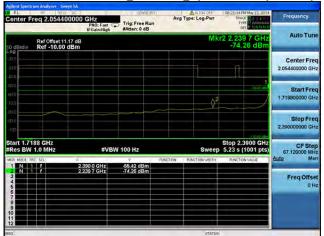
Antenna D

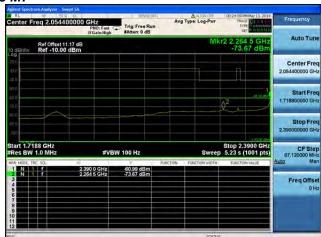
Conducted Bandedge Average, 2412 MHz, HT-20, M0 to M7





Conducted Bandedge Average, 2412 MHz, HT-20, M0 to M7



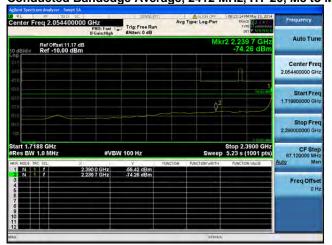


Antenna A

Antenna B



Conducted Bandedge Average, 2412 MHz, HT-20, M8 to M15





Antenna A

Antenna B

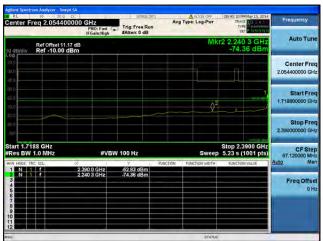


Conducted Bandedge Average, 2412 MHz, HT-20, M0 to M7





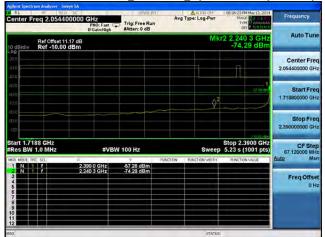
Antenna C



Antenna B



Conducted Bandedge Average, 2412 MHz, HT-20, M8 to M15



| Applies | Conter Freq 2.054400000 GHz | Frequency | Prequency | Preparation | Preparat

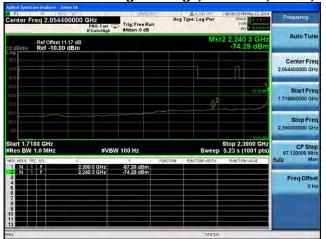
Antenna A

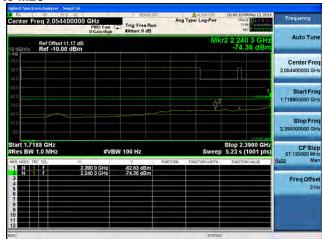
| Content | Frequency | Content | Frequency | Content | Frequency | Content | Frequency | Frequency | Content | Frequency | Fr

Antenna C

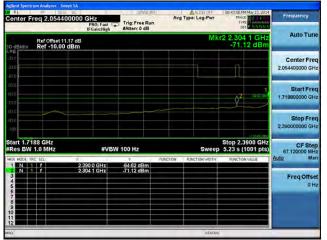


Conducted Bandedge Average, 2412 MHz, HT-20, M16 to M23





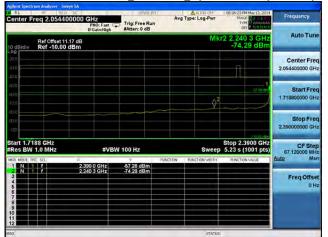
Antenna B



Antenna C

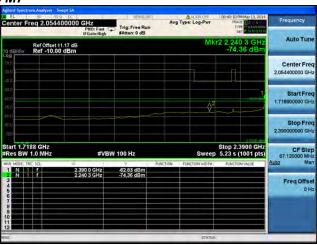


Conducted Bandedge Average, 2412 MHz, HT-20, M0 to M7

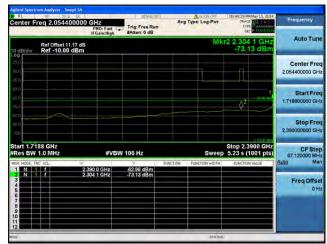




Antenna C



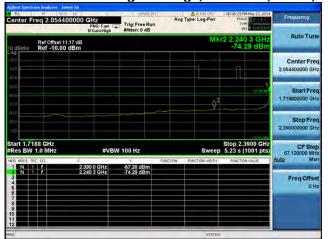
Antenna B



Antenna D



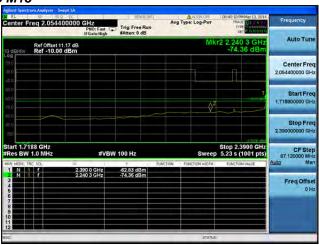
Conducted Bandedge Average, 2412 MHz, HT-20, M8 to M15

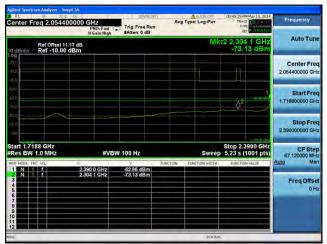


Antenna A



Antenna C





Antenna D



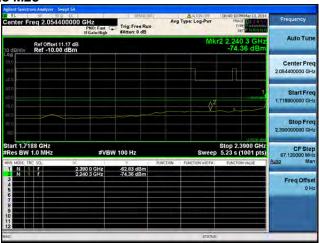
Conducted Bandedge Average, 2412 MHz, HT-20, M16 to M23

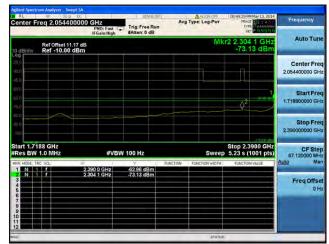


Antenna A



Antenna C

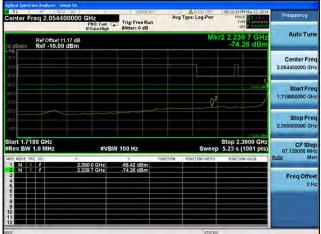


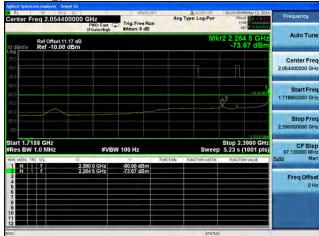


Antenna D



Conducted Bandedge Average, 2412 MHz, HT-20 Beam Forming, M0 to M7

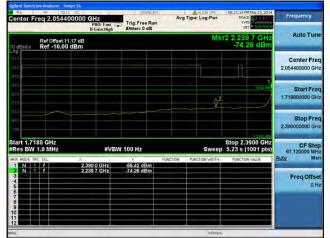


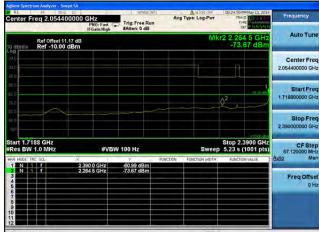


Antenna B







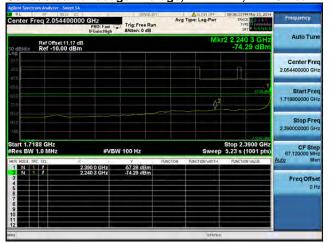


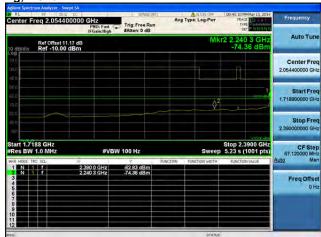
Antenna A

Antenna B



Conducted Bandedge Average, 2412 MHz, HT-20 Beam Forming, M0 to M7





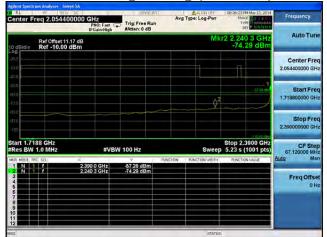
Antenna B



Antenna C



Conducted Bandedge Average, 2412 MHz, HT-20 Beam Forming, M8 to M15



| Action | Section | Accepted | Action | Action

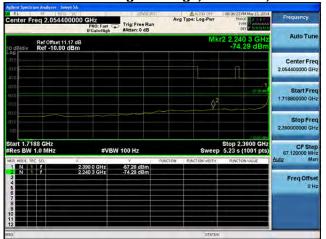
Antenna B

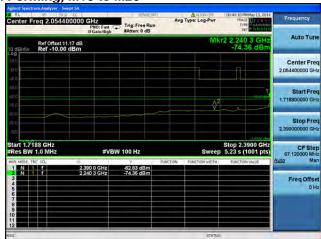


Antenna C



Conducted Bandedge Average, 2412 MHz, HT-20 Beam Forming, M16 to M23





Antenna B



Antenna C



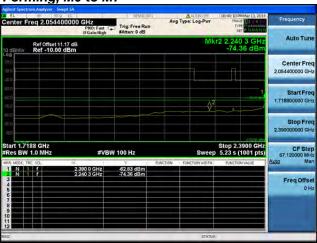
Conducted Bandedge Average, 2412 MHz, HT-20 Beam Forming, M0 to M7

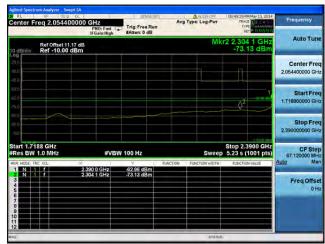


Antenna A



Antenna C





Antenna D

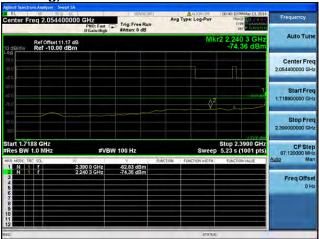


Conducted Bandedge Average, 2412 MHz, HT-20 Beam Forming, M8 to M15

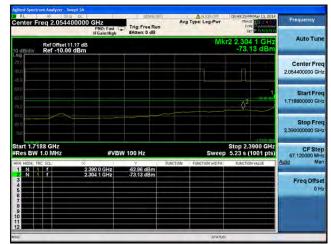




Antenna C



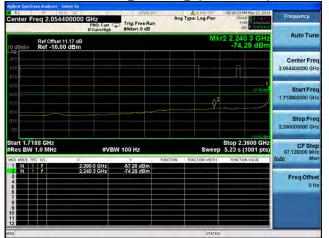
Antenna B



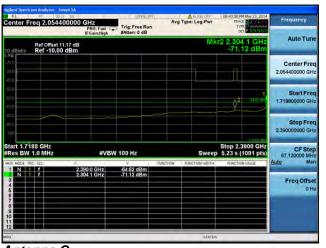
Antenna D



Conducted Bandedge Average, 2412 MHz, HT-20 Beam Forming, M16 to M23



Conter Freq 2.054400000 GHz FRIO fast | Frequency | Fr



Antenna B

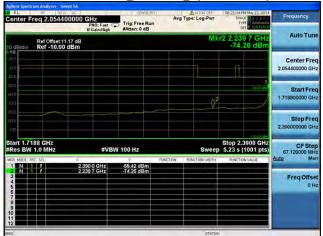


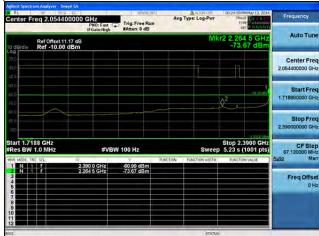
Antenna C

Antenna D



Conducted Bandedge Average, 2412 MHz, HT-20 STBC, M0 to M7





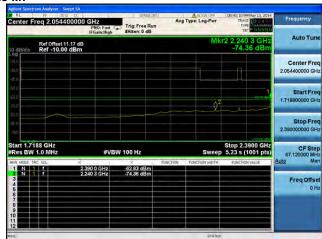
Antenna A

Antenna B



Conducted Bandedge Average, 2412 MHz, HT-20 STBC, M0 to M7





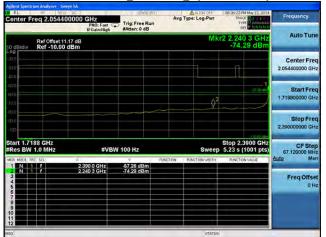
Antenna A

| Center Freq 2.054400000 GHz | Frequency | Frequency

Antenna C



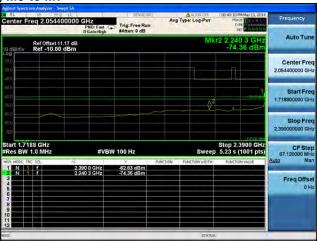
Conducted Bandedge Average, 2412 MHz, HT-20 STBC, M0 to M7

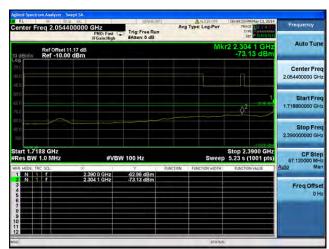


Antenna A

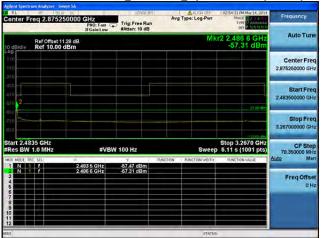


Antenna C





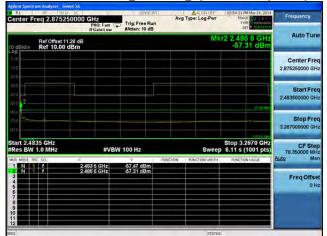
Antenna D

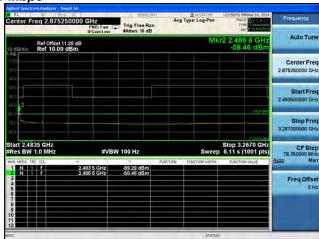


Antenna A

Page No: 355 of 387

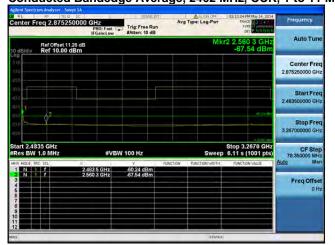






Antenna A Antenna B





| Auto | December | Dece

Antenna A

Aglent System Analyses Serge SA

Center Freq 2.875250000 GHz

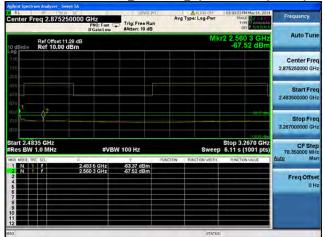
PRO Fast

PRO

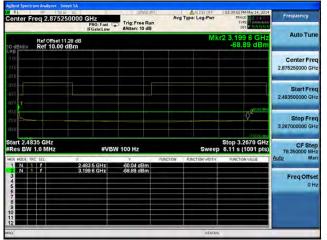
Antenna C

Page No: 357 of 387

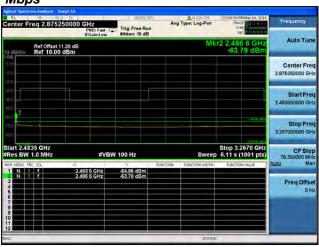


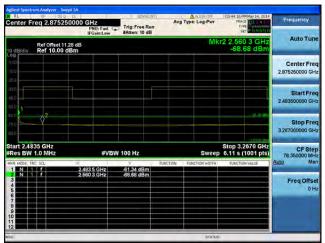


Antenna A



Antenna C





Antenna D

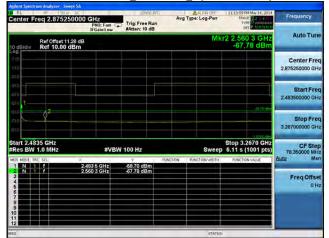


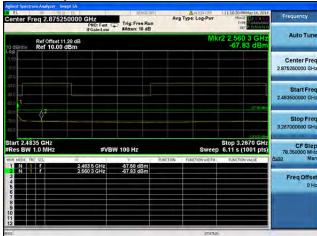


Antenna A

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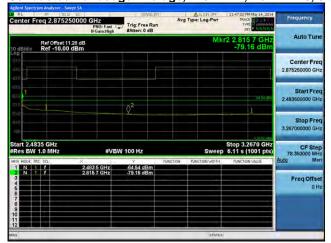


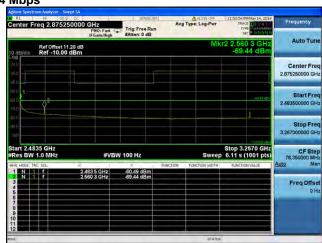




Antenna A Antenna B





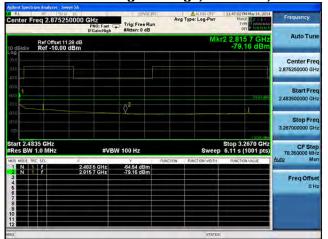


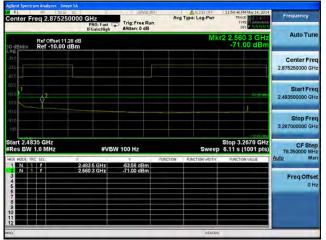
Antenna A

| August | A

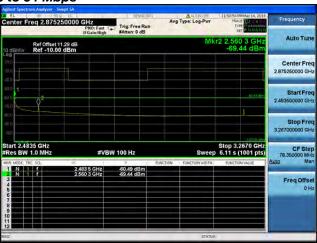
Antenna C



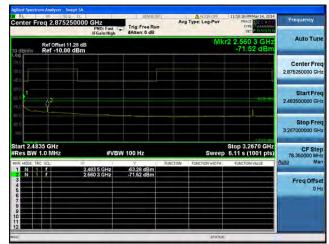




Antenna C

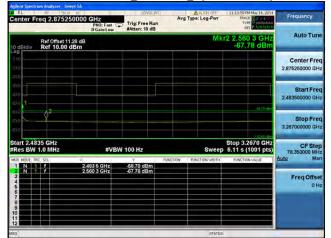


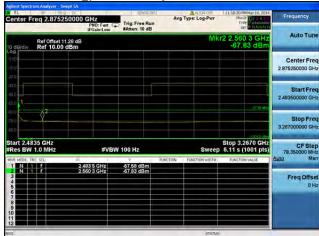
Antenna B



Antenna D



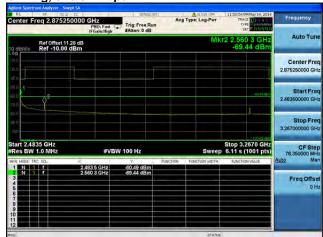




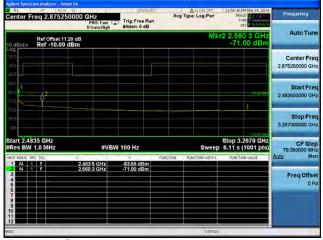
Antenna A Antenna B







Antenna B



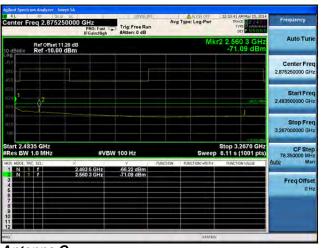
Antenna C





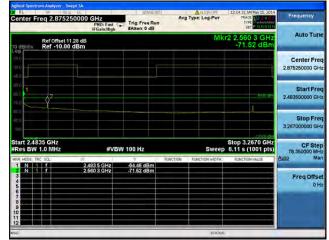
Trig: Free Run

Antenna A



Antenna B

Ref Offset 11.28 dB Ref -10.00 dBm

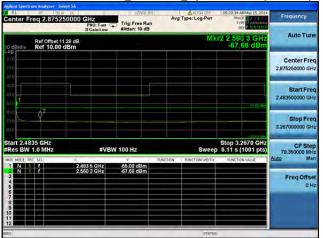


Antenna C

Antenna D



Conducted Bandedge Average, 2462 MHz, HT-20, M0 to M7

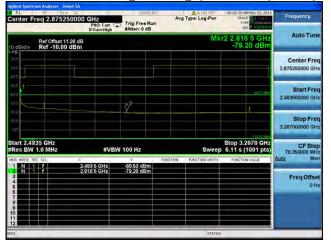


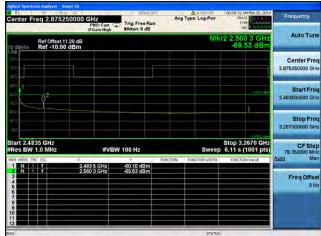
Antenna A

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Conducted Bandedge Average, 2462 MHz, HT-20, M0 to M7





Antenna A Antenna B



Conducted Bandedge Average, 2462 MHz, HT-20, M8 to M15



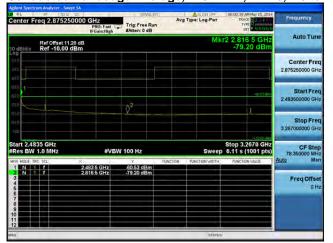




Antenna B

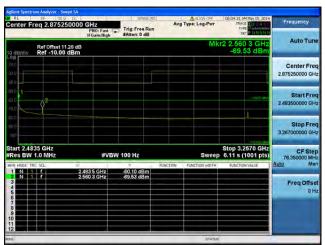


Conducted Bandedge Average, 2462 MHz, HT-20, M0 to M7





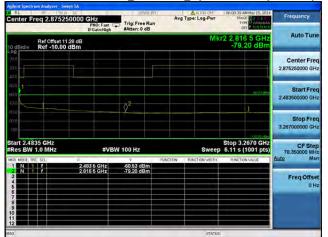
Antenna C



Antenna B



Conducted Bandedge Average, 2462 MHz, HT-20, M8 to M15



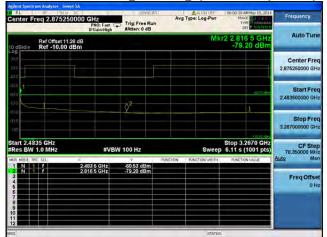
Antenna B



Antenna C



Conducted Bandedge Average, 2462 MHz, HT-20, M16 to M23



Ref Offset 12 9 B Ref Offset 12 9 B Ref Offset 12 9 B Ref 10 10 Bibliot Ref 10 10 Bibliot Ref 10 10 Bibliot Ref 2 875 2 805 3 GHz Ref 2 875 2 8

| Conter Freq 2.875250000 GHz | Frequency | Frequency

Antenna C

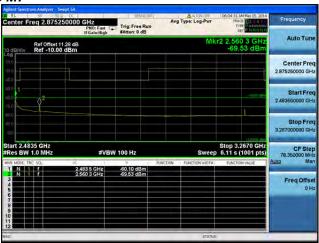


Conducted Bandedge Average, 2462 MHz, HT-20, M0 to M7

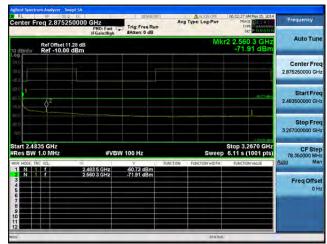




Antenna C



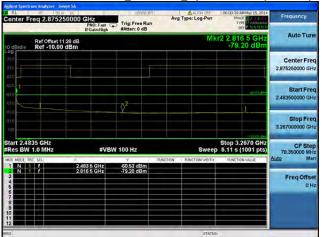
Antenna B



Antenna D



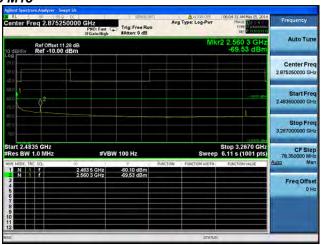
Conducted Bandedge Average, 2462 MHz, HT-20, M8 to M15



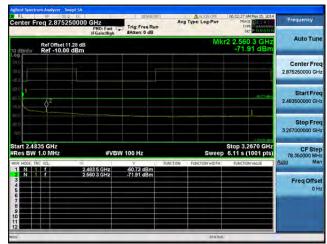
Antenna A



Antenna C



Antenna B



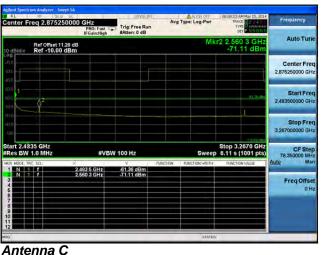
Antenna D



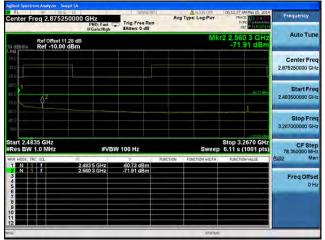
Conducted Bandedge Average, 2462 MHz, HT-20, M16 to M23



Freq 2.875250000 GHz
PNO: Fost PNO: Free Run
Adtten: 0 dB



Antenna B



nna C Anteni

Antenna D



Conducted Bandedge Average, 2462 MHz, HT-20 Beam Forming, M0 to M7



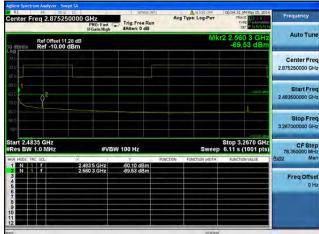


Antenna A Antenna B



Conducted Bandedge Average, 2462 MHz, HT-20 Beam Forming, M8 to M15



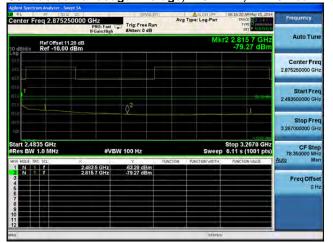


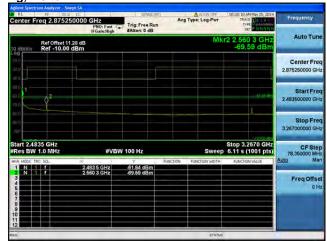
Antenna A Antenna B

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Conducted Bandedge Average, 2462 MHz, HT-20 Beam Forming, M0 to M7





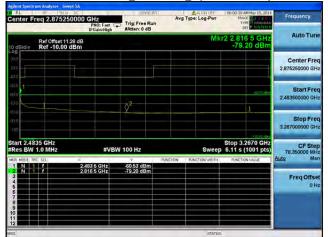
Antenna B



Antenna C



Conducted Bandedge Average, 2462 MHz, HT-20 Beam Forming, M8 to M15



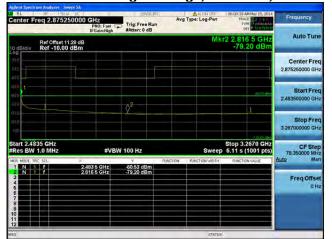
Antenna B

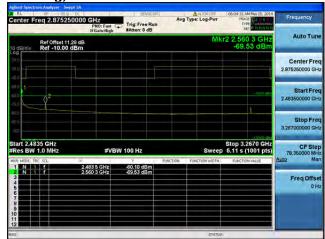


Antenna C



Conducted Bandedge Average, 2462 MHz, HT-20 Beam Forming, M16 to M23





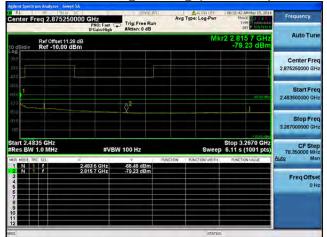
Antenna B



Antenna C



Conducted Bandedge Average, 2462 MHz, HT-20 Beam Forming, M0 to M7

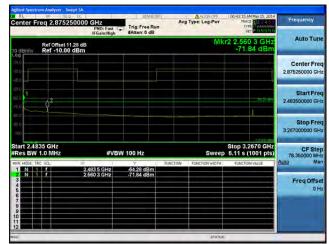




Antenna C



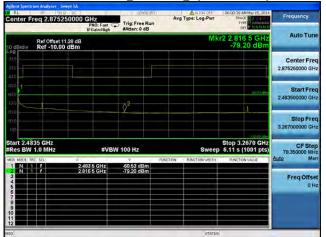
Antenna B



Antenna D

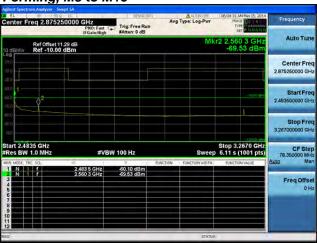


Conducted Bandedge Average, 2462 MHz, HT-20 Beam Forming, M8 to M15

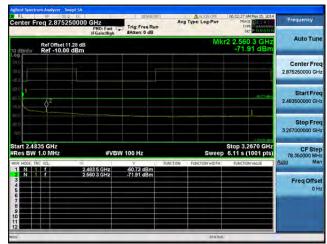




Antenna C



Antenna B

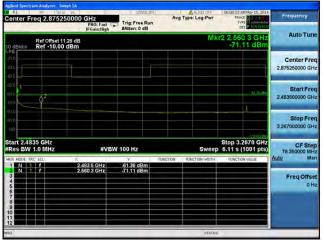


Antenna D

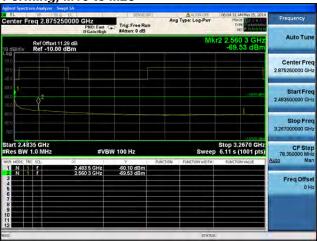


Conducted Bandedge Average, 2462 MHz, HT-20 Beam Forming, M16 to M23

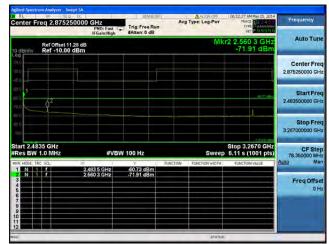




Antenna C



Antenna B

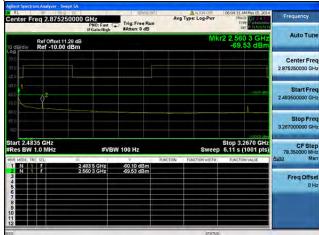


Antenna D



Conducted Bandedge Average, 2462 MHz, HT-20 STBC, M0 to M7

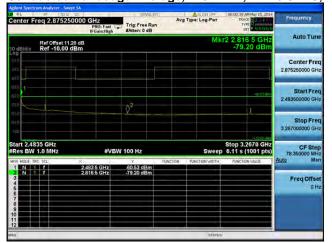




Antenna A Antenna B



Conducted Bandedge Average, 2462 MHz, HT-20 STBC, M0 to M7



| Application |

Antenna A

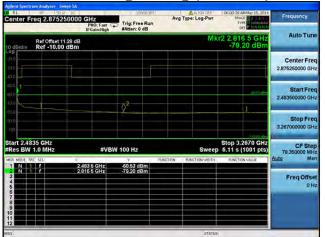
| April | Specifies | April |

Antenna C

Antenna B



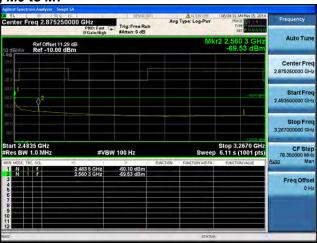
Conducted Bandedge Average, 2462 MHz, HT-20 STBC, M0 to M7



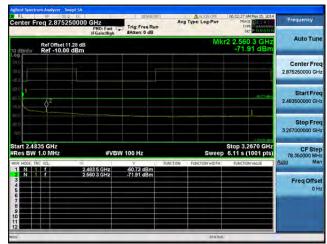
Antenna A



Antenna C



Antenna B



Antenna D



Conducted Test Setup

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Appendix B: Test Equipment/Software Used to perform the test

Equip #	Manufacturer	Model	Description	Last Cal	Next Due
CIS-50378	Agilent	N9030A	PXA Spectrum Analyzer	2/27/2014	1/17/2015

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