

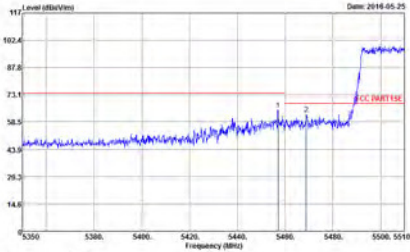
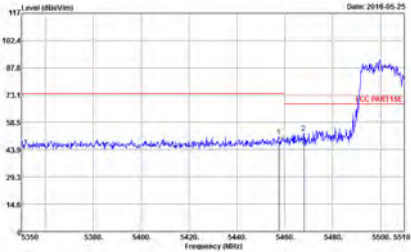
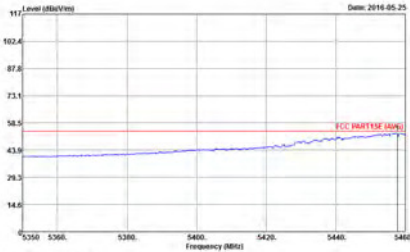
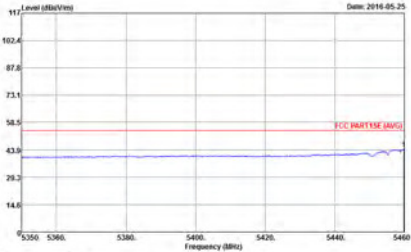


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz - R	
1+2	Horizontal	Vertical
Peak	<p>Site : 63CH67-HY Condition : FCC PART15E 3m HF-ANT_130829 HORIZONTAL RBW 1000.000kHz VEW 3000.000kHz SWT Auto Detector : Peak Project : 650305</p>	<p>Site : 63CH67-HY Condition : FCC PART15E 3m HF-ANT_130829 VERTICAL RBW 1000.000kHz VEW 3000.000kHz SWT Auto Detector : Peak Project : 650305</p>

WIFI	Band 3 5470~5725MHz Fundamental @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 63CH67-HY Condition : FCC PART15E 3m HF-ANT_130829 HORIZONTAL RBW 1000.000kHz VEW 3000.000kHz SWT Auto Detector : Peak Project : 650305</p>	<p>Site : 63CH67-HY Condition : FCC PART15E 3m HF-ANT_130829 VERTICAL RBW 1000.000kHz VEW 3000.000kHz SWT Auto Detector : Peak Project : 650305</p>



Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

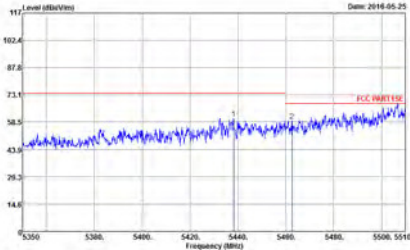
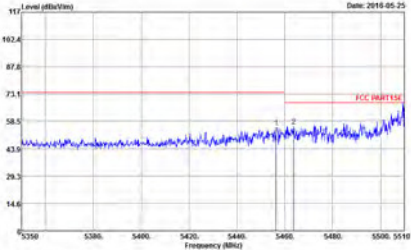
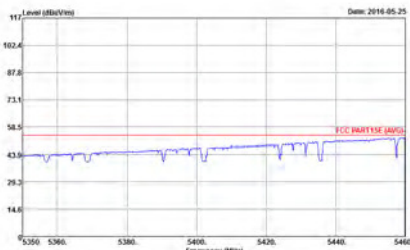
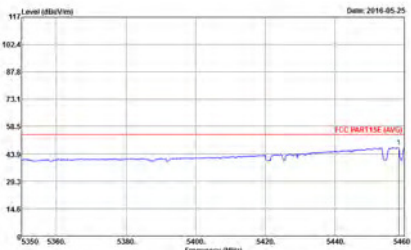
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1+2	Horizontal	Vertical
Peak	 <p>Site : 03CH07-HY Condition : FCC PART15E 3m HF-ANT_130E29 HORIZONTAL RBW 1000 000kHz VSW 3000 000kHz SWT Auto Detector : Peak Project : 650305</p>	 <p>Site : 03CH07-HY Condition : FCC PART15E 3m HF-ANT_130E29 VERTICAL RBW 1000 000kHz VSW 3000 000kHz SWT Auto Detector : Peak Project : 650305</p>
Avg.	 <p>Site : 03CH07-HY Condition : FCC PART15E (AVG) 3m HF-ANT_130E29 HORIZONTAL RBW 1000 000kHz VSW 0 3000kHz SWT Auto Detector : Peak Project : 650305</p>	 <p>Site : 03CH07-HY Condition : FCC PART15E (AVG) 3m HF-ANT_130E29 VERTICAL RBW 1000 000kHz VSW 0 3000kHz SWT Auto Detector : Peak Project : 650305</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1+2	Horizontal	Vertical
Peak	<p>Site : 03CH07-HY Condition : FCC PART15E 3m HF-ANT_130829 HORIZONTAL SfBW 1000.0000kHz VSW 3000.0000kHz SWFT-Auto Detector : Peak Project : 650385</p>	<p>Site : 03CH07-HY Condition : FCC PART15E 3m HF-ANT_130829 VERTICAL SfBW 1000.0000kHz VSW 3000.0000kHz SWFT-Auto Detector : Peak Project : 650385</p>

WIFI	Band 3 5470~5725MHz Fundamental @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : FCC PART15E 3m HF-ANT_130829 HORIZONTAL SfBW 1000.0000kHz VSW 3000.0000kHz SWFT-Auto Detector : Peak Project : 650385</p>	<p>Site : 03CH07-HY Condition : FCC PART15E 3m HF-ANT_130829 VERTICAL SfBW 1000.0000kHz VSW 3000.0000kHz SWFT-Auto Detector : Peak Project : 650385</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Horizontal	Vertical
Peak	 <p>Site: 63CH7-HY Condition: FCC PART 15E 3m HF-ANT, 130829 HORIZONTAL RBW: 1000.000kHz, VSW: 3000.000kHz, SWT: Auto Detector: Peak Project: 650305</p>	 <p>Site: 63CH7-HY Condition: FCC PART 15E 3m HF-ANT, 130829 VERTICAL RBW: 1000.000kHz, VSW: 3000.000kHz, SWT: Auto Detector: Peak Project: 650305</p>
Avg.	 <p>Site: 63CH7-HY Condition: FCC PART 15E (AVG) 3m HF-ANT, 130829 HORIZONTAL RBW: 1000.000kHz, VSW: 3.300kHz, SWT: Auto Detector: Peak Project: 650305</p>	 <p>Site: 63CH7-HY Condition: FCC PART 15E (AVG) 3m HF-ANT, 130829 VERTICAL RBW: 1000.000kHz, VSW: 3.300kHz, SWT: Auto Detector: Peak Project: 650305</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Horizontal	Vertical
Peak	<p>Site: 83CH07-HY Condition: FCC PART15E 3m HF-ANT_130829 HORIZONTAL RBW: 1000.000kHz VBW: 3000.000kHz SVWT: Auto Detector: Peak Project: 650305</p>	<p>Site: 83CH07-HY Condition: FCC PART15E 3m HF-ANT_130829 VERTICAL RBW: 1000.000kHz VBW: 3000.000kHz SVWT: Auto Detector: Peak Project: 650305</p>

WIFI	Band 3 5470~5725MHz Fundamental @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site: 83CH07-HY Condition: FCC PART15E 3m HF-ANT_130829 HORIZONTAL RBW: 1000.000kHz VBW: 3000.000kHz SVWT: Auto Detector: Peak Project: 650305</p>	<p>Site: 83CH07-HY Condition: FCC PART15E 3m HF-ANT_130829 VERTICAL RBW: 1000.000kHz VBW: 3000.000kHz SVWT: Auto Detector: Peak Project: 650305</p>



Band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH67.HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 650305</p>	<p>Site : 03CH67.HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 650305 Mode : 42</p>

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH67.HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 650305</p>	<p>Site : 03CH67.HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 650305</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : S3CH27.HY Condition : FCC PART 15E_BAND4 3m SHF.EHF_121029 HORIZONTAL Detector : Peak Project : 650305</p>	<p>Site : S3CH27.HY Condition : FCC PART 15E_BAND4 3m SHF.EHF_121029 VERTICAL Detector : Peak Project : 650305</p>



**Band 3 5470~5725MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)**

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH102 5510MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131023 HORIZONTAL Detector : Peak Project : 650305</p>	<p>Site : 03CH07-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131023 VERTICAL Detector : Peak Project : 650305</p>

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH110 5550MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131023 HORIZONTAL Detector : Peak Project : 650305</p>	<p>Site : 03CH07-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131023 VERTICAL Detector : Peak Project : 650305</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH134 5670MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131023 HORIZONTAL Detector : Peak Project : 650305</p>	<p>Site : 03CH07-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131023 VERTICAL Detector : Peak Project : 650305</p>



Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 650305</p>	<p>Site : 03CH07-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 650305</p>

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 650305</p>	<p>Site : 03CH07-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 650305</p>



Band 3 - Straddle Channel
WIFI 802.11a (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11a CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site: 03CH07.HY Condition: FCC PART15E 3m HF-ANT_130829 HORIZONTAL RBW 1000.000kHz VEW 3000.000kHz SVWT Auto Detector: Peak Project: 650305</p>	<p>Site: 03CH07.HY Condition: FCC PART15E 3m HF-ANT_130829 VERTICAL RBW 1000.000kHz VEW 3000.000kHz SVWT Auto Detector: Peak Project: 650305</p>

Band 3 – Straddle Channel
WIFI 802.11ac VHT20 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site: 03CH07.HY Condition: FCC PART15E 3m HF-ANT_130829 HORIZONTAL RBW 1000.000kHz VEW 3000.000kHz SVWT Auto Detector: Peak Project: 650305</p>	<p>Site: 03CH07.HY Condition: FCC PART15E 3m HF-ANT_130829 VERTICAL RBW 1000.000kHz VEW 3000.000kHz SVWT Auto Detector: Peak Project: 650305</p>



Band 3 – Straddle Channel
WIFI 802.11ac VHT40 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 63CH07-HY Condition : FCC PART 15E 3m HF-ANT_130829 HORIZONTAL SISW 1000.000kHz VSW 3000.000kHz SWT Auto Detector : Peak Project : 650305</p>	<p>Site : 63CH07-HY Condition : FCC PART 15E 3m HF-ANT_130829 VERTICAL SISW 1000.000kHz VSW 3000.000kHz SWT Auto Detector : Peak Project : 650305</p>

Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 63CH07-HY Condition : FCC PART 15E 3m HF-ANT_130829 HORIZONTAL SISW 1000.000kHz VSW 3000.000kHz SWT Auto Detector : Peak Project : 650305</p>	<p>Site : 63CH07-HY Condition : FCC PART 15E 3m HF-ANT_130829 VERTICAL SISW 1000.000kHz VSW 3000.000kHz SWT Auto Detector : Peak Project : 650305</p>



Band 3 - Straddle Channel
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH67-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 650305</p>	<p>Site : 03CH67-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 650305</p>

Band 3 – Straddle Channel
WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH67-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 650305</p>	<p>Site : 03CH67-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 650305</p>



Band 3 – Straddle Channel
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 650305</p>	<p>Site : 03CH07-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 650305</p>

Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 650305</p>	<p>Site : 03CH07-HY Condition : FCC PART 15E_BAND4 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 650305</p>



Emission below 1GHz
5GHz WIFI 802.11ac VHT20 (LF)

WIFI	5GHz WIFI	
ANT	802.11ac VHT20 LF	
1+2	Horizontal	Vertical
QP / Peak	<p>Site : 03CH074HY Condition : FCC CLASS-B 3m LF-AW5-3541(W) HORIZONTAL Detector : Peak Project : 650305</p>	<p>Site : 03CH074HY Condition : FCC CLASS-B 3m LF-AW5-3541(W) VERTICAL Detector : Peak Project : 650305</p>

Emission below 1GHz
5GHz WIFI 802.11ac VHT40 (LF)

WIFI	5GHz WIFI	
ANT	802.11ac VHT40 LF	
1+2	Horizontal	Vertical
QP / Peak	<p>Site : 03CH074HY Condition : FCC CLASS-B 3m LF-AW5-3541(W) HORIZONTAL Detector : Peak Project : 650305</p>	<p>Site : 03CH074HY Condition : FCC CLASS-B 3m LF-AW5-3541(W) VERTICAL Detector : Peak Project : 650305</p>



Emission below 1GHz
5GHz WIFI 802.11ac VHT80 (LF)

WIFI	5GHz WIFI	
ANT	802.11ac VHT80 LF	
1+2	Horizontal	Vertical
QP / Peak	<p>Site : 03CH07.HY Condition : FCC CLASS-B 3m-LF-ANT-3541W8) HORIZONTAL Detector : Peak Project : 650305</p>	<p>Site : 03CH07.HY Condition : FCC CLASS-B 3m-LF-ANT-3541W8) VERTICAL Detector : Peak Project : 650305</p>



Appendix D. Duty Cycle Plots

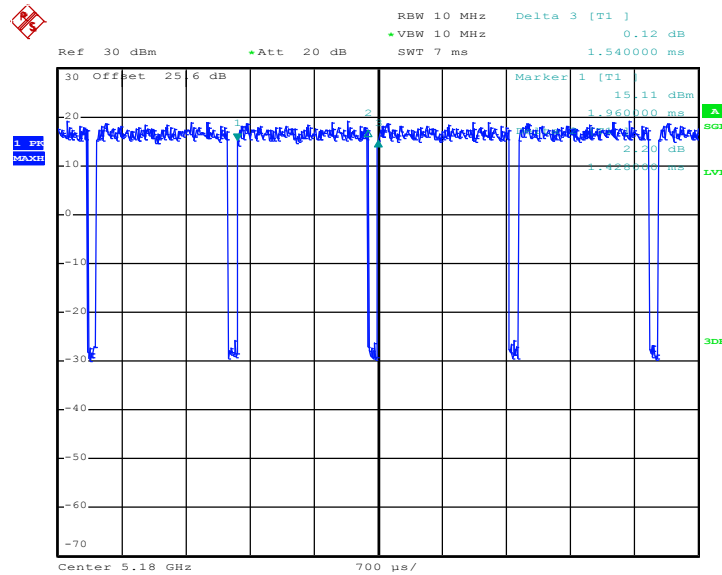
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Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
2	802.11a	92.73	1428.00	0.70	1kHz
2	5GHz 802.11n VHT20 for Ant. 2	93.14	1344.00	0.74	1kHz
1+2	5GHz 802.11n VHT20 for Ant. 1	92.23	1330.00	0.75	2kHz
1+2	5GHz 802.11n VHT20 for Ant. 2	93.20	1344.00	0.74	2kHz
2	5GHz 802.11n VHT40 for Ant. 2	87.01	670.00	1.49	2kHz
1+2	5GHz 802.11n VHT40 for Ant. 1	87.01	670.00	1.49	3kHz
1+2	5GHz 802.11n VHT40 for Ant. 2	87.01	670.00	1.49	3kHz
2	5GHz 802.11n VHT80 for Ant. 2	76.85	332.00	3.01	5kHz
1+2	5GHz 802.11n VHT80 for Ant. 1	75.93	328.00	3.05	10kHz
1+2	5GHz 802.11n VHT80 for Ant. 2	76.50	332.00	3.01	10kHz



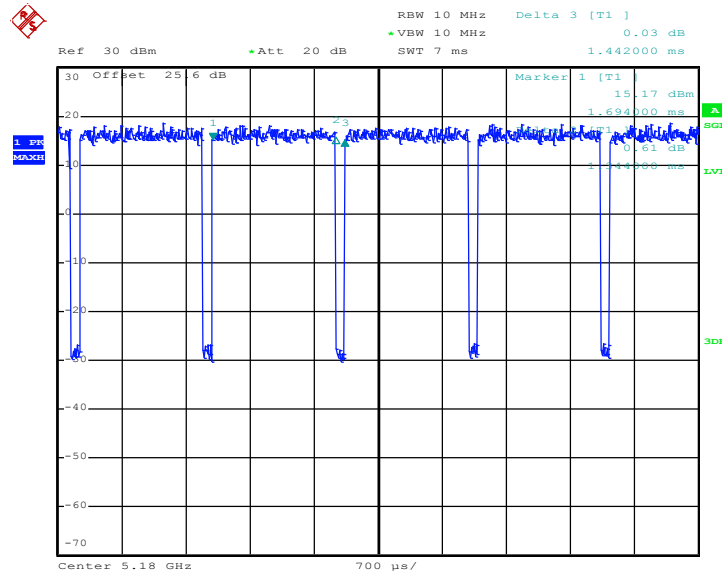
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802.11a



Date: 26.MAY.2016 01:08:11

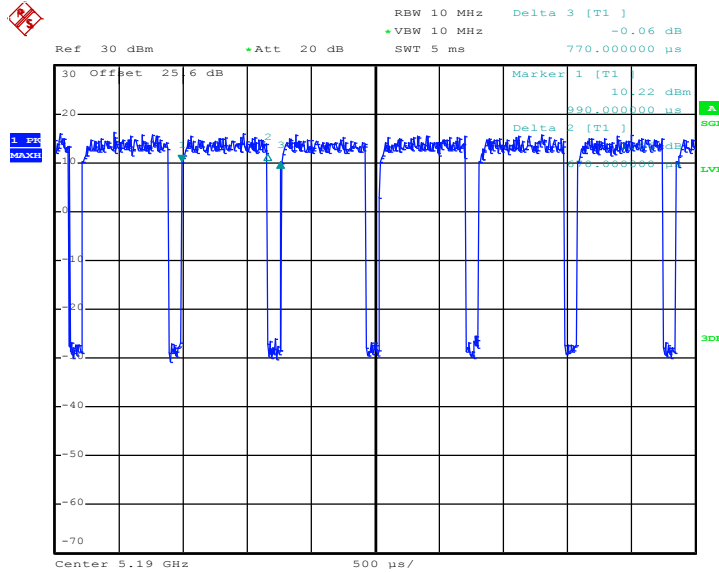
802.11ac VTH20



Date: 26.MAY.2016 01:24:16

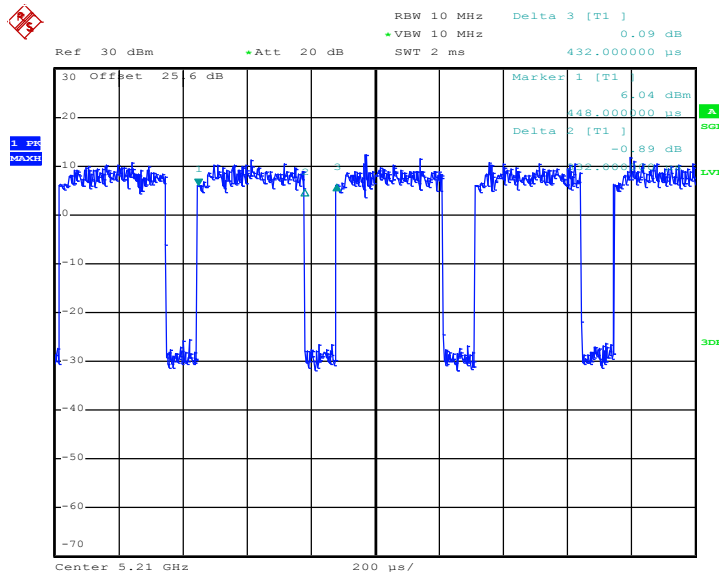


802.11ac VTH40



Date: 26.MAY.2016 01:29:25

802.11ac VTH80

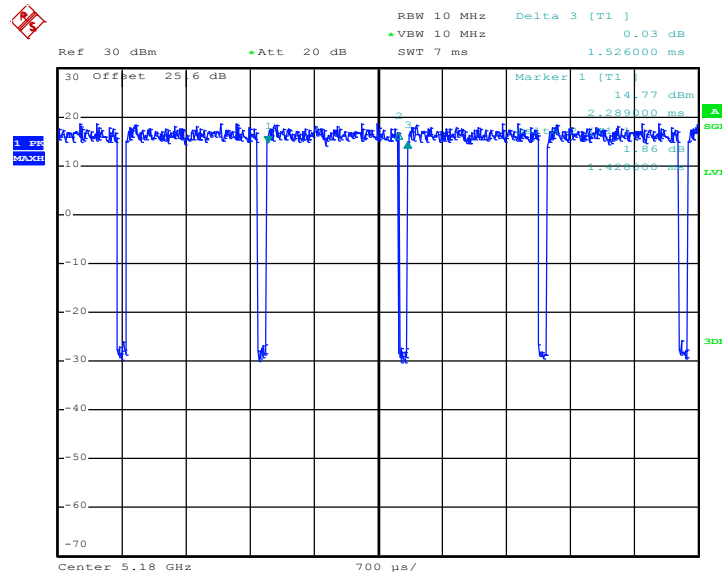


Date: 26.MAY.2016 01:35:20



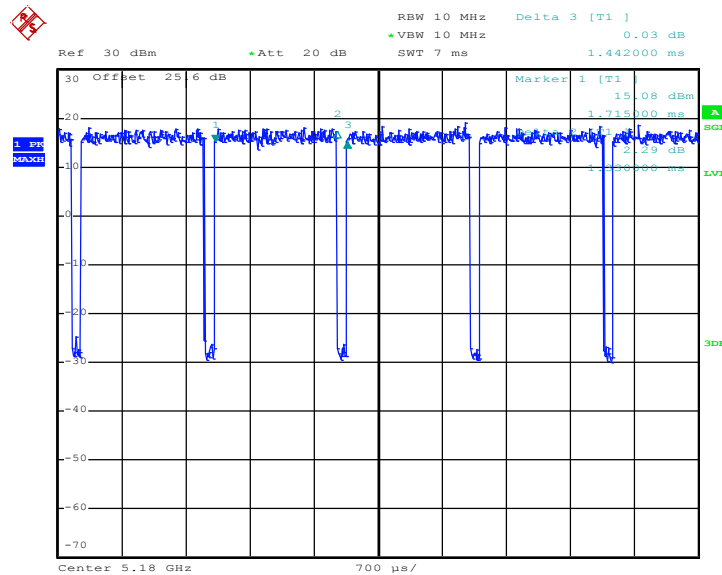
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802.11a



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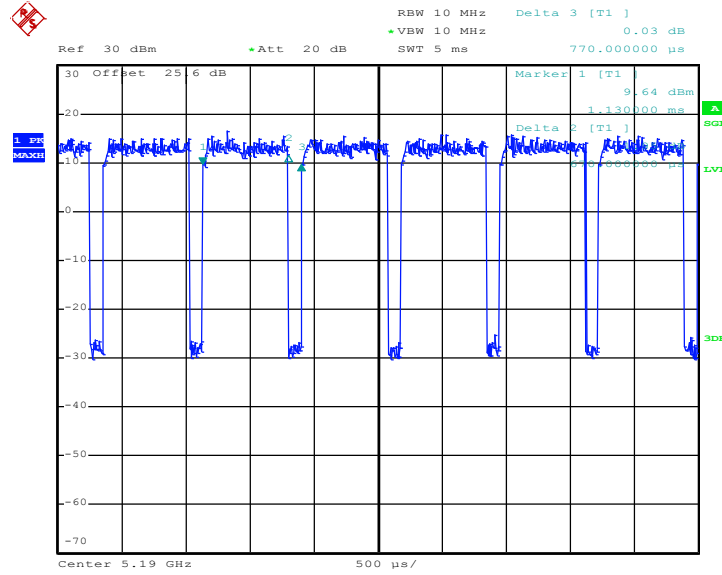
802.11ac VTH20



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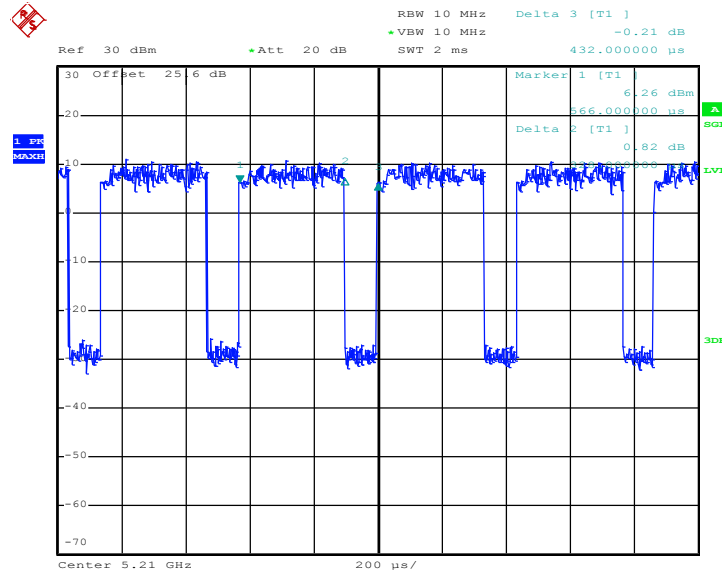


802.11ac VTH40



Date: 26.MAY.2016 01:33:09

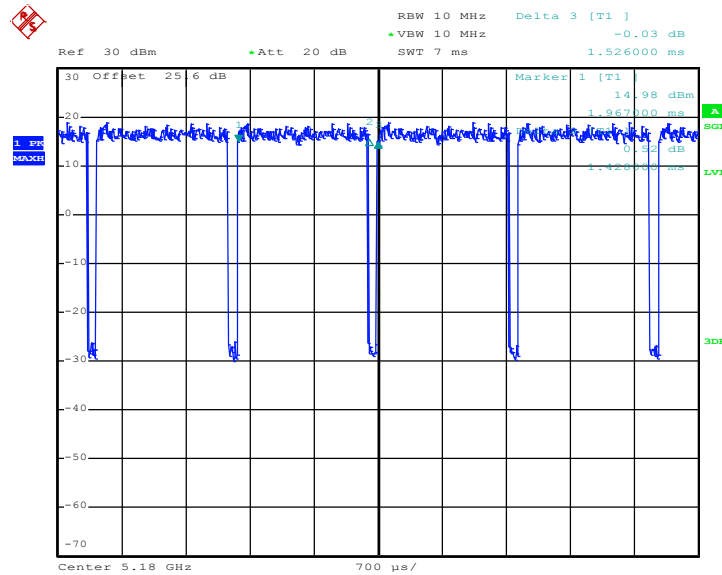
802.11ac VTH80



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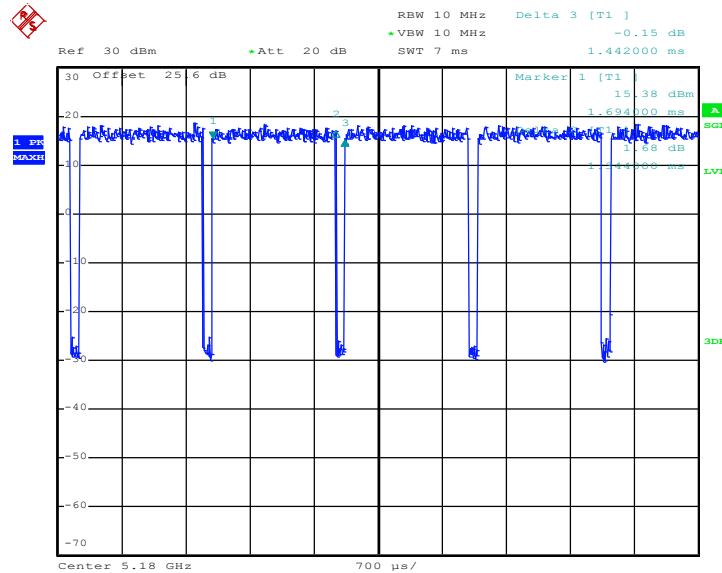
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802.11a



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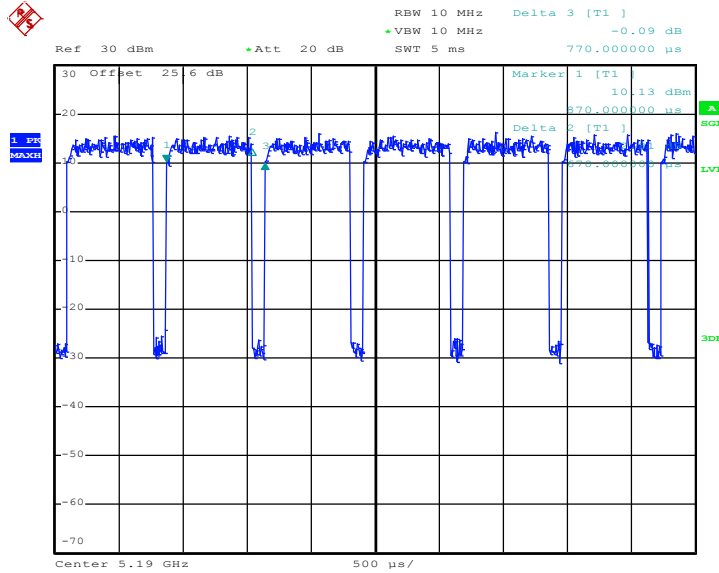
802.11ac VTH20



Date: 26.MAY.2016 01:26:01

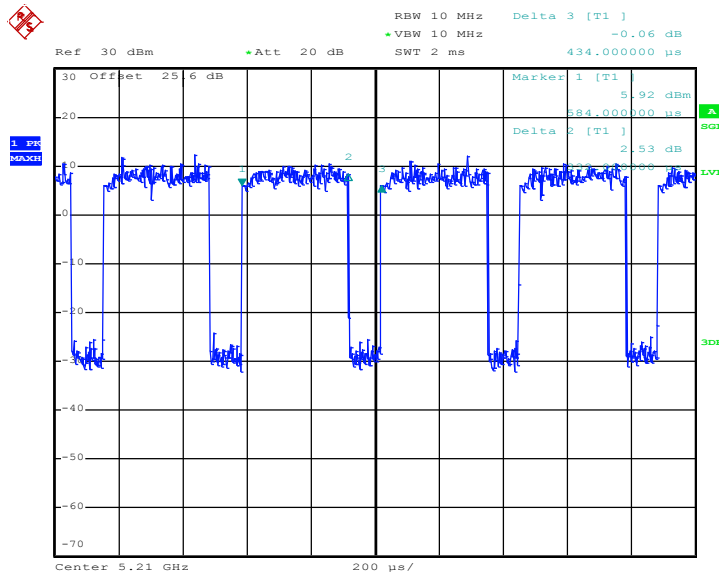


802.11ac VTH40



Date: 26.MAY.2016 01:32:13

802.11ac VTH80



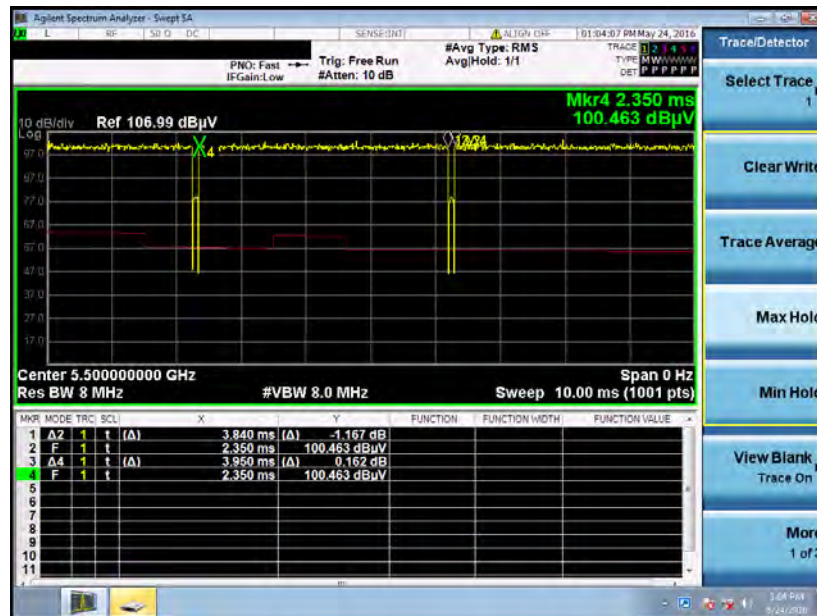
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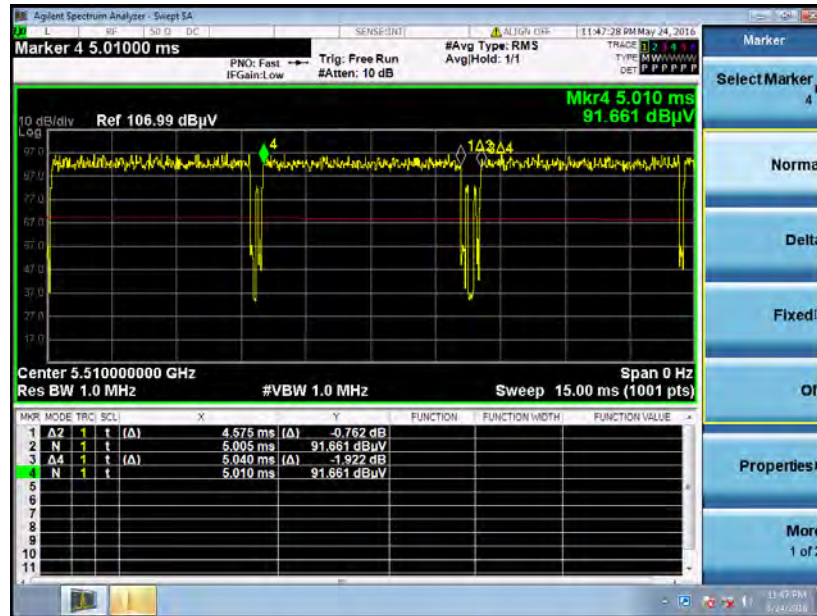
Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+2	5GHz 802.11n VHT20 for Ant. 1	80.35	1268	0.79	1kHz
1+2	5GHz 802.11n VHT20 for Ant. 2	57.33	430	2.33	3kHz
1+2	5GHz 802.11n VHT40 for Ant. 1	97.22	3830	0.26	300Hz
1+2	5GHz 802.11n VHT40 for Ant. 2	90.77	4575	0.22	300Hz
1+2	5GHz 802.11n VHT80 for Ant. 1	97.15	5073	0.20	300Hz
1+2	5GHz 802.11n VHT80 for Ant. 2	80.35	1268	0.79	1kHz

MIMO <Ant. 1+2>

802.11ac VTH20



802.11ac VTH40



802.11ac VTH80

