



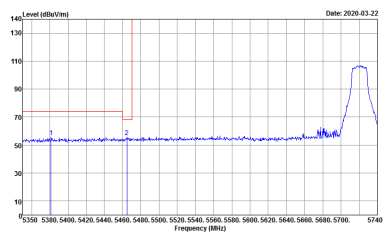
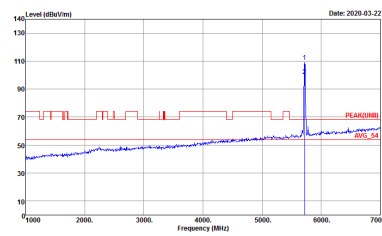
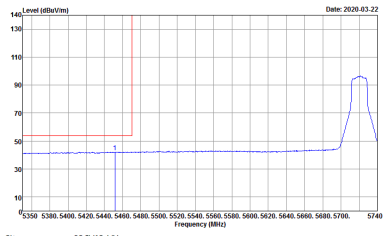
Band 3 - Straddle Channel
WIFI 802.11a (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH12-HY Condition : STRADDLES U-NET-1A2A 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 010720</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m-HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 010720</p>
Avg.	<p>Site : 03CH12-HY Condition : U-NET-1A2A AVERAGE 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 010720</p>	Left blank

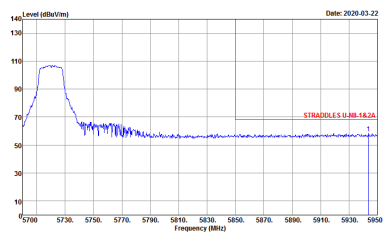


WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11a CH144 5720MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03GHZ-HY Condition : STRAIDLES U-HI-142A 3m HORN_91200_1328 HORIZONTAL Detector : Peak Project : 010720</p>	Left blank



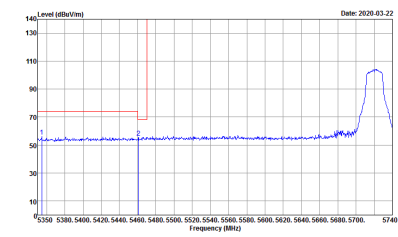
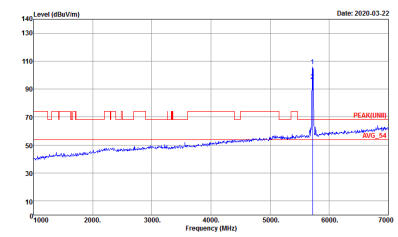
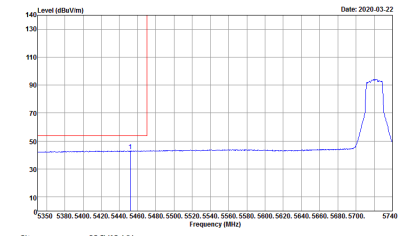
WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2020-03-22</p> <p>Site : 03CH12-HY Condition : STRADDLES U-NIT-142A 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 010720</p>	 <p>Date: 2020-03-22</p> <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 010720</p>
<p>Avg.</p>	 <p>Date: 2020-03-22</p> <p>Site : 03CH12-HY Condition : U-NIT-142A AVERAGE 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 010720</p>	<p>Left blank</p>



WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11a CH144 5720MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03GHZ-HY Condition : STRADDOLES U-NET 142A 3m HORN 91200_1328 VERTICAL Detector : Peak Project : 010720</p>	Left blank



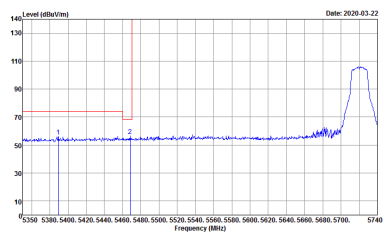
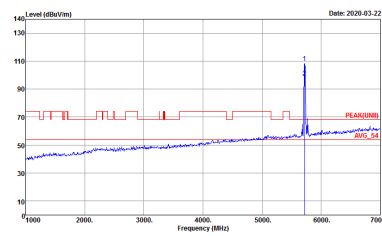
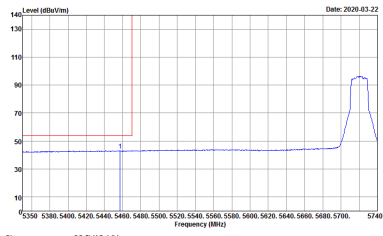
Band 3 – Straddle Channel
WIFI 802.11ac VHT20 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : STRADDLES U-NET-1A2A 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 010720</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 010720</p>
Avg.	 <p>Site : 03CH12-HY Condition : U-NET-1A2A AVERAGE 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 010720</p>	Left blank



WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03GHZ-HY Condition : STRAIDLES U-HB-142A 3m HORN_91200_1328 HORIZONTAL Detector : Peak Project : 010720</p>	Left blank



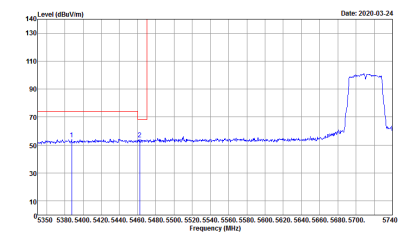
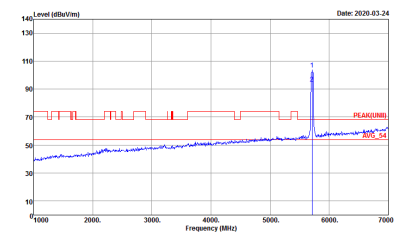
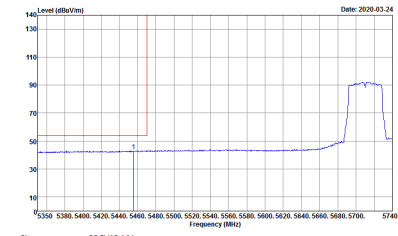
WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz - L	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2020-03-22</p> <p>Site : 03CH12-HY Condition : STRADDLES U-NIT. 142A 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 010720</p>	 <p>Date: 2020-03-22</p> <p>Site : 03CH12-HY Condition : PEAK(U-NIT) 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 010720</p>
<p>Avg.</p>	 <p>Date: 2020-03-22</p> <p>Site : 03CH12-HY Condition : U-NIT-142A AVERAGE 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 010720</p>	<p>Left blank</p>



WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT20 CH144 5720MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03GHZ-HY Condition : STRAIDLES U-HB-1A2A 3m HORN_91200_1328 VERTICAL Detector : Peak Project : 010720</p>	Left blank



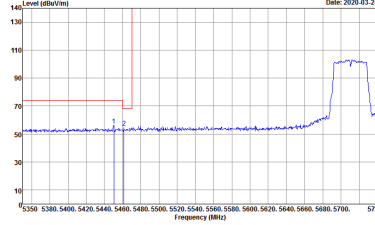
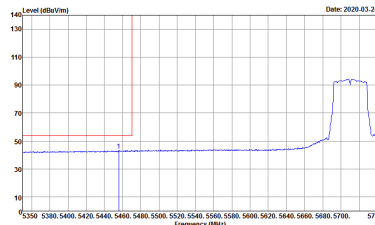
Band 3 – Straddle Channel
WIFI 802.11ac VHT40 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH12-HY Condition : STRADDLES U-NET-1A2A 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 010720</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 010720</p>
Avg.	 <p>Site : 03CH12-HY Condition : U-NET-1A2A AVERAGE 3m HORN_9120D_1328 HORIZONTAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak Project : 010720</p>	Left blank



WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03GHZ-HY Condition : STRADDOLES U-NII-142A 3m HORN_91200_1328 HORIZONTAL Detector : Peak Project : 010720</p>	Left blank



WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz - L	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2020-03-24</p> <p>Site : 03CH12-HY Condition : STRADDLES U-NIT-1A2A 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 010720</p>	 <p>Date: 2020-03-24</p> <p>Site : 03CH12-HY Condition : PEAK(U-NIT) 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 010720</p>
<p>Avg.</p>	 <p>Date: 2020-03-24</p> <p>Site : 03CH12-HY Condition : U-NIT-1A2A AVERAGE 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 010720</p>	<p>Left blank</p>



WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT40 CH142 5710MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03GHZ-HY Condition : STRADDOLES U-HB-1A2A 3m HORN_91200_1328 VERTICAL Detector : Peak Project : 010720</p>	Left blank



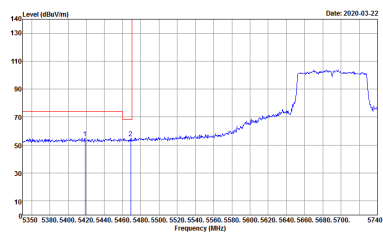
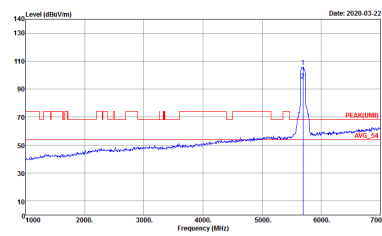
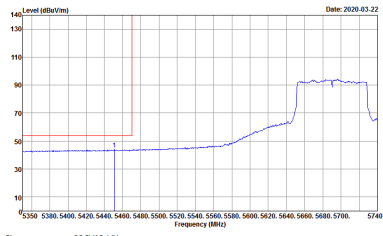
Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH12-HY Condition : STRADDLES U-NET-1A2A 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 010720</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 010720</p>
Avg.	<p>Site : 03CH12-HY Condition : U-NET-1A2A-AVERAGE 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 010720</p>	Left blank



WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03GHZ-HY Condition : STRAIDLES U-HI-1A2A 3m HORN_91200_1328 HORIZONTAL Detector : Peak Project : 010720</p>	Left blank



WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - L	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2020-03-22</p> <p>Site : 03CH12-HY Condition : STRADDLES U-NIT. 1A2A 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 010720</p>	 <p>Date: 2020-03-22</p> <p>Site : 03CH12-HY Condition : PEAK(U-NIT) 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 010720</p>
<p>Avg.</p>	 <p>Date: 2020-03-22</p> <p>Site : 03CH12-HY Condition : U-NIT-1A2A AVERAGE 3m HORN_9120D_1328 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 010720</p>	<p>Left blank</p>



WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03GHZ-HY Condition : STRADOLIS U-HI-1A2A 3m HORN_91200_1328 VERTICAL Detector : Peak Project : 010720</p>	Left blank



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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 010720</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 010720</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	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 010720</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 010720</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	Horizontal	Vertical
<p>Peak Avg.</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 010720</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 010720</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	Horizontal	Vertical
<p>Peak Avg.</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 010720</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 010720</p>



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

WIFI	5GHz WIFI	
ANT	802.11ac VHT20 LF	
1	Horizontal	Vertical
QP / Peak	<p>Site : 03CH12-HY Condition : QP 3m BILDG_6111D_37059 HORIZONTAL Detector : Peak Project : 010720</p>	<p>Site : 03CH12-HY Condition : QP 3m BILDG_6111D_37059 VERTICAL Detector : Peak Project : 010720</p>

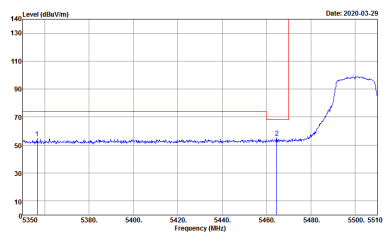
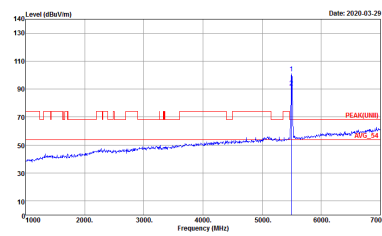
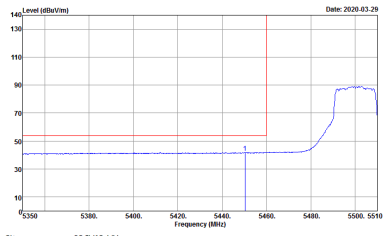


<EUT with Battery 2>

Band 3 - 5470~5725MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH2-HY Condition : PEAK_BE(UNII)_83 3m HORN_91200_1328 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 010720 Setting : 19</p>	<p>Site : 03CH2-HY Condition : PEAK(UNII) 3m-HORN_91200_1328 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 010720 Setting : 19</p>
Avg.	<p>Site : 03CH2-HY Condition : AV6_BE(UNII)_83 3m HORN_91200_1328 HORIZONTAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto Detector : Peak Project : 010720 Setting : 19</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH12-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 010720 Setting : 19</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 010720 Setting : 19</p>
<p>Avg.</p>	 <p>Site : 03CH12-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 010720 Setting : 19</p>	<p>Left blank</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	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 010720 Setting : 19</p>	<p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 010720 Setting : 19</p>

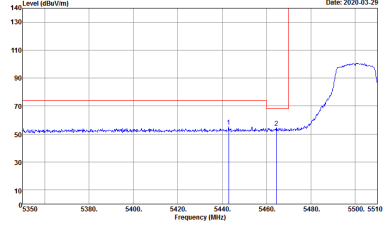
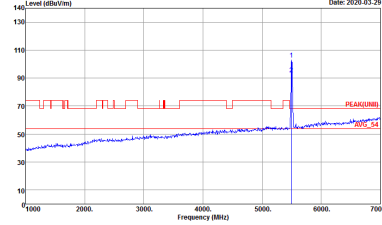
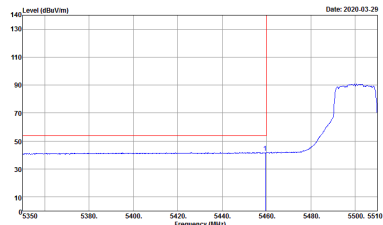


<EUT with Battery 3>

Band 3 - 5470~5725MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH2-HY Condition : PEAK_BE(UNII)_83 3m HORN_91200_1328 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 010720 Setting : 19</p>	<p>Site : 03CH2-HY Condition : PEAK(UNII) 3m-HORN_91200_1328 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 010720 Setting : 19</p>
Avg.	<p>Site : 03CH2-HY Condition : AV6_BE(UNII)_83 3m HORN_91200_1328 HORIZONTAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto Detector : Peak Project : 010720 Setting : 19</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH100 5500MHz	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH12-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 010720 Setting : 19</p>	 <p>Site : 03CH12-HY Condition : PEAK(UNIT) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 010720 Setting : 19</p>
<p>Avg.</p>	 <p>Site : 03CH12-HY Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 010720 Setting : 19</p>	<p>Left blank</p>



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT20 (Harmonic @ 3m)

Table with 3 columns: WIFI, ANT, and antenna orientation (Horizontal/Vertical). It contains two spectral plots showing Level (dBm/1m) vs Frequency (MHz) for Peak and Avg. measurements. The plots show a noise floor around 70 dBm/1m with several peaks reaching up to 130 dBm/1m. Metadata for both plots includes Site: 03CH12-HY, Condition: PEAK(AVGT) 3m HORN_9120D_1328, Detector: Peak, Project: 010720, and Setting: 19.

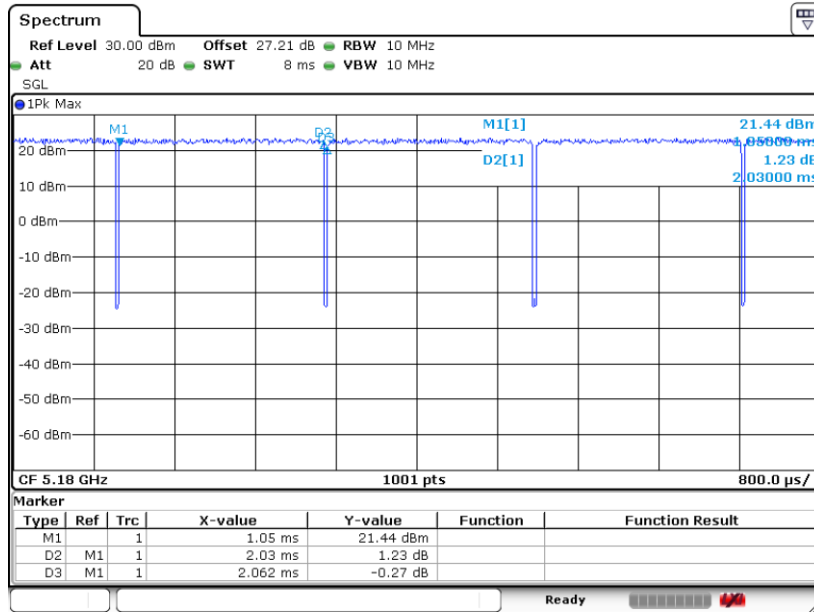


Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
802.11a	98.45	-	-	10Hz	0.07
5GHz 802.11ac VHT20	97.94	1900	0.53	1kHz	0.09
5GHz 802.11ac VHT40	95.90	935	1.07	3kHz	0.18
5GHz 802.11ac VHT80	92.68	456	2.19	3kHz	0.33

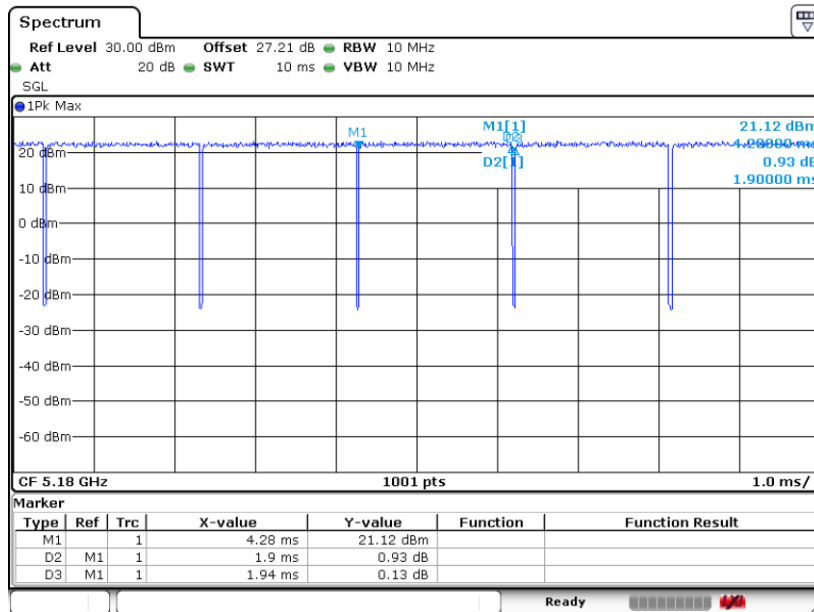


802.11a



Date: 18.MAR.2020 09:04:35

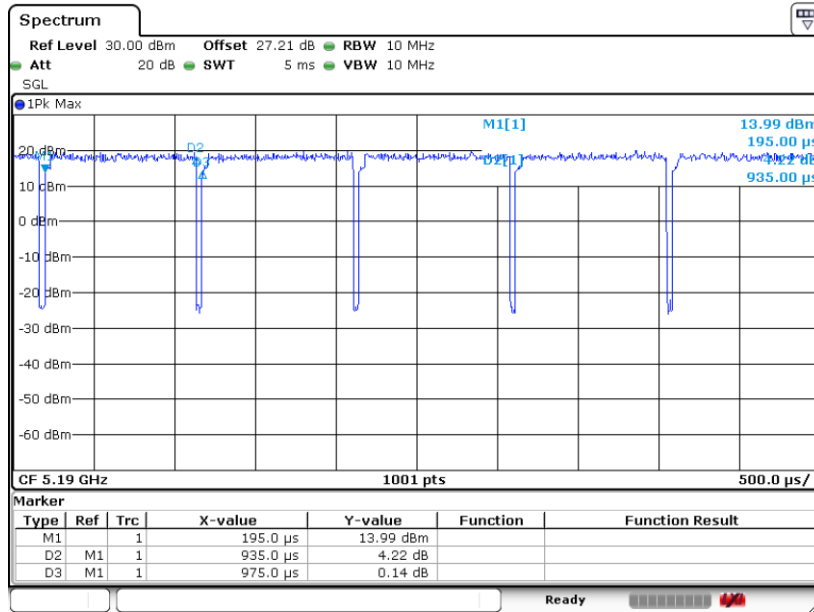
802.11ac VHT20



Date: 18.MAR.2020 10:12:21

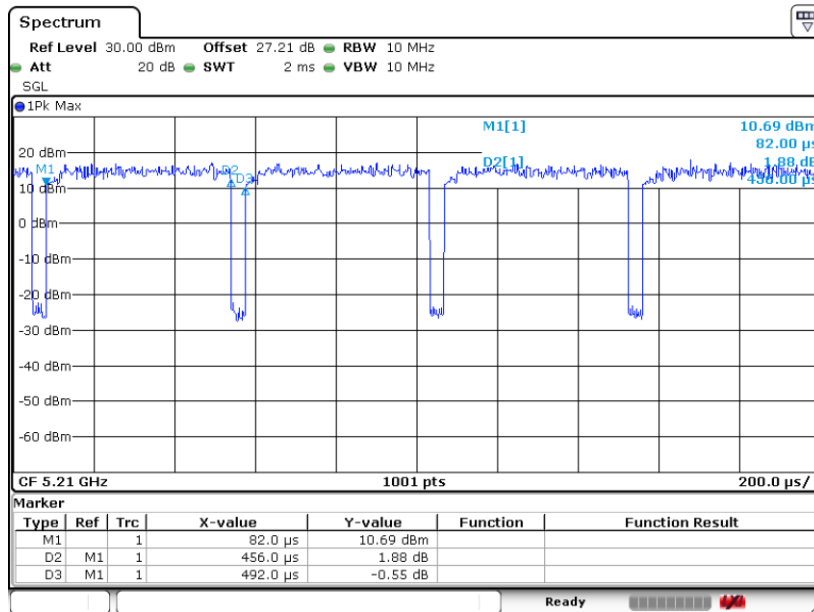


802.11ac VHT40



Date: 18.MAR.2020 10:14:18

802.11ac VHT80



Date: 18.MAR.2020 10:42:38