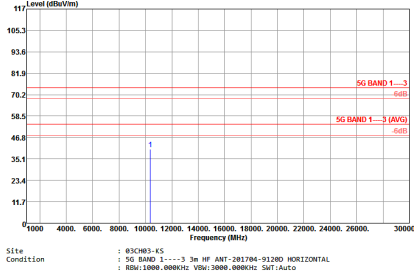
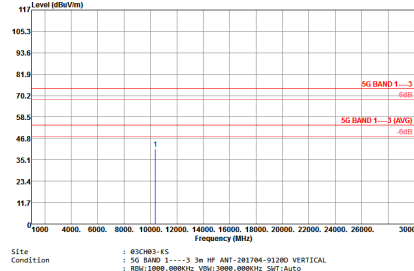


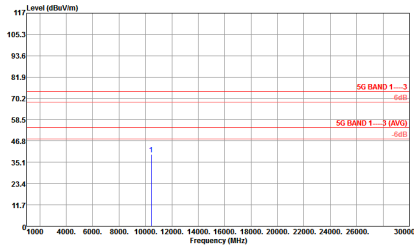
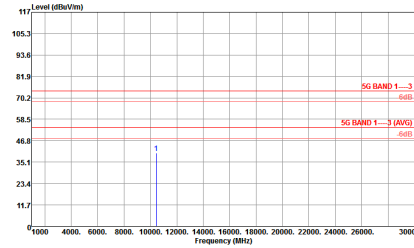


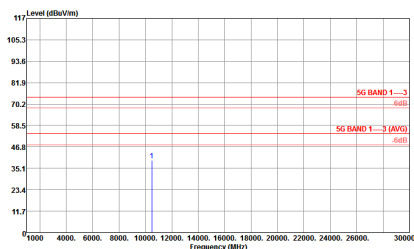
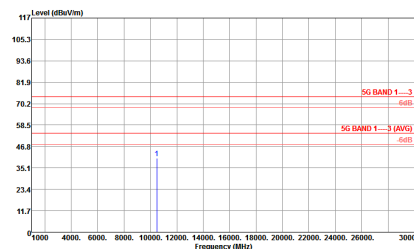
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

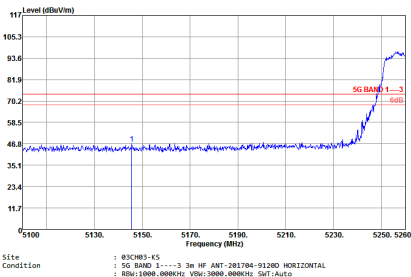
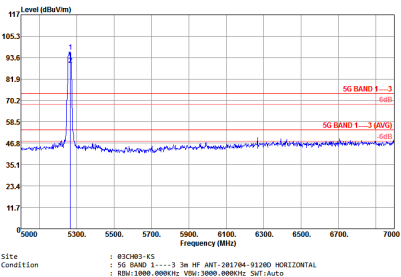
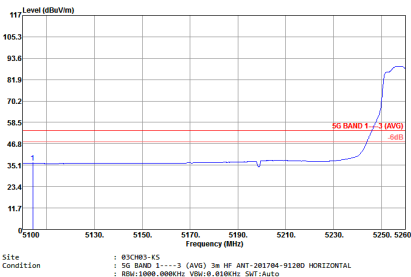
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site Condition : 83CWB3-KS : 5G BAND 1-3-3 3m HP ANT-201704-91280 HORIZONTAL : RBW:1000.000kHz VSW:3000.000kHz SMT:Auto	 Site Condition : 83CWB3-KS : 5G BAND 1-3-3 3m HP ANT-201704-91280 VERTICAL : RBW:1000.000kHz VSW:3000.000kHz SMT:Auto



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site Condition : 03CH03-KS : SG BAND 1-3 3m HP ANT-201704-912ND HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site Condition : 03CH03-KS : SG BAND 1-3 3m HP ANT-201704-912ND VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto

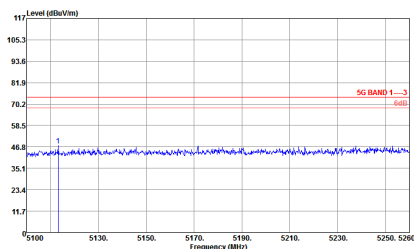
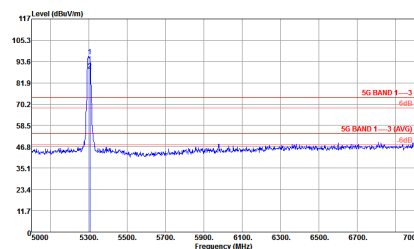
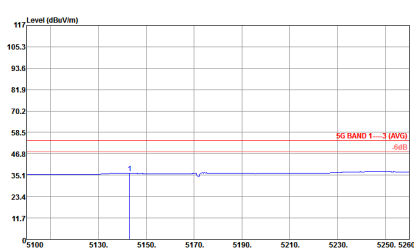
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site Condition : 802.11n HT20 CH48 5240MHz HORIZONTAL : SG BAND 1-3 : 5150~5250MHz VSW: 3000.0000Hz SMT: Auto	 Site Condition : 802.11n HT20 CH48 5240MHz VERTICAL : SG BAND 1-3 : 5150~5250MHz VSW: 3000.0000Hz SMT: Auto

Band 2 - 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 83CMB3-K5 : SG BAND 1----3 3m HF ANT-201704-91280 HORIZONTAL : RBW:10000.0000Hz VSW:3000.0000Hz SMT:Auto	 Site Condition : 83CMB3-K5 : SG BAND 1----3 3m HF ANT-201704-91280 HORIZONTAL : RBW:10000.0000Hz VSW:3000.0000Hz SMT:Auto
Avg.	 Site Condition : 83CMB3-K5 : SG BAND 1----3 (AVG) 3m HF ANT-201704-91280 HORIZONTAL : RBW:10000.0000Hz VSW:0.0100Hz SMT:Auto	Left blank

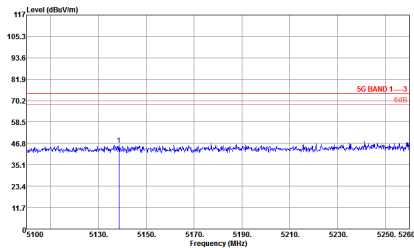
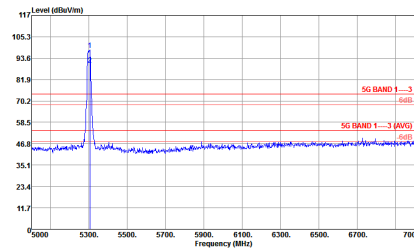
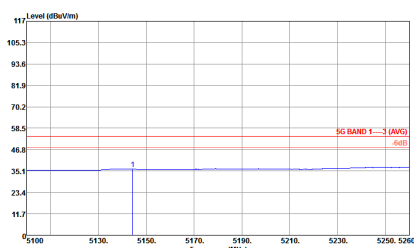


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak	Site Condition : 83CH03-KS : 5G BAND 1-3 3m HF ANT-201704-91200 VERTICAL : RBW:1000.000KHz VSW:3000.000KHz SMT:Auto	Site Condition : 83CH03-KS : 5G BAND 1-3 3m HF ANT-201704-91200 VERTICAL : RBW:1000.000KHz VSW:3000.000KHz SMT:Auto
Avg.	Site Condition : 83CH03-KS : 5G BAND 1-3 (AVG) 3m HF ANT-201704-91200 VERTICAL : RBW:1000.000KHz VSW:3000.000KHz SMT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 802.11n-ES : SG BAND 1-3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.000kHz VSW:3000.000kHz SMT:Auto	 Site Condition : 802.11n-ES : SG BAND 1-3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.000kHz VSW:3000.000kHz SMT:Auto
Avg.	 Site Condition : 802.11n-ES : SG BAND 1-3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.000kHz VSW:3000.000kHz SMT:Auto	Left blank

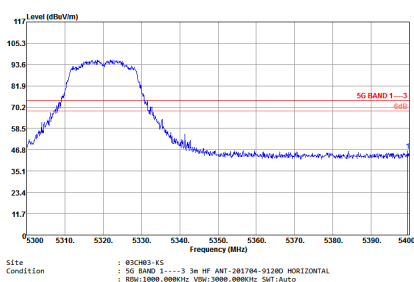
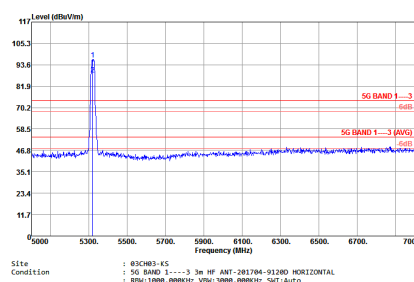
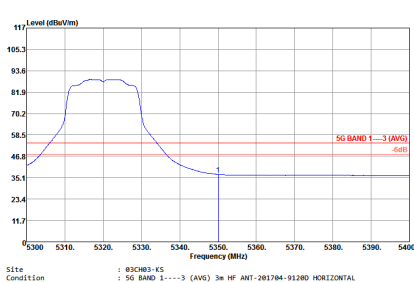


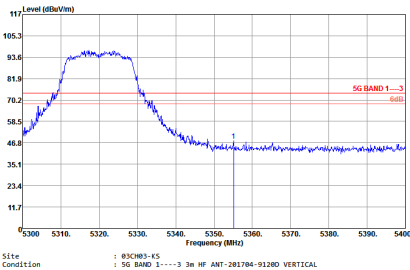
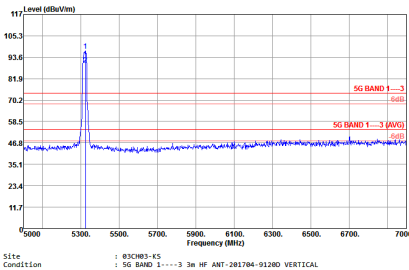
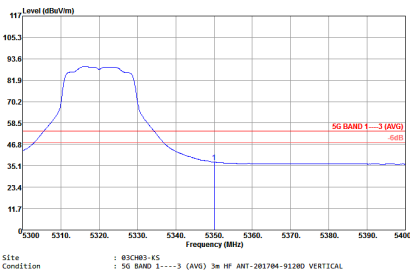
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1+2	Horizontal	Vertical
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CMB3-KS Condition : 5G BAND 1-3 3m HF ANT-201704-91280 VERTICAL RBW:1000.000KHz VSW:3000.000KHz SMT:Auto	 Site : 03CMB3-KS Condition : 5G BAND 1-3 3m HF ANT-201704-91280 VERTICAL RBW:1000.000KHz VSW:3000.000KHz SMT:Auto
Avg.	 Site : 03CMB3-KS Condition : 5G BAND 1-3 (AVG) 3m HF ANT-201704-91280 VERTICAL RBW:1000.000KHz VSW:0.000KHz SMT:Auto	Left blank

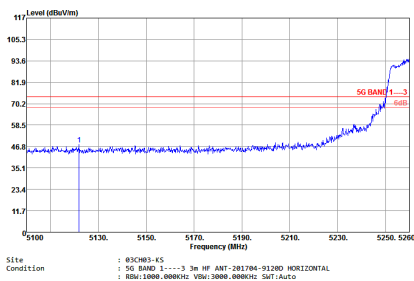
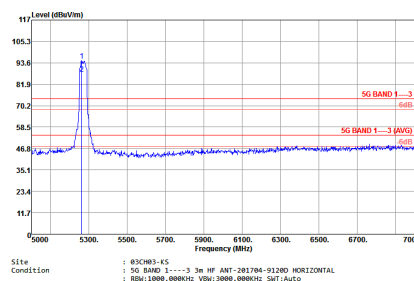
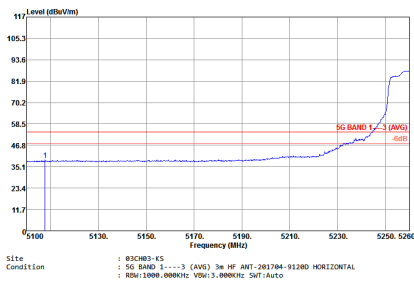


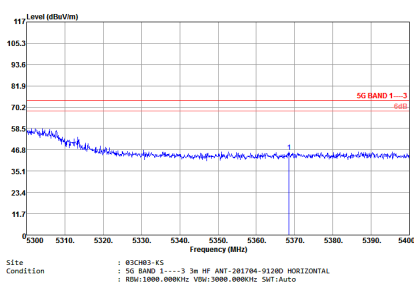
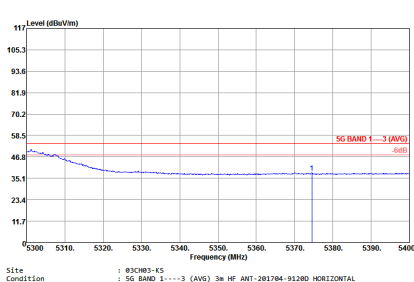
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak	Site Condition : 83CMB3-ES : 5G BAND 1-3 @ 3m HF ANT-201704-91280 VERTICAL : RBW:1000.000KHz VSWR:0.000KHz SMT:Auto	Left blank
Avg.	Site Condition : 83CMB3-ES : 5G BAND 1-3 (AVG) @ 3m HF ANT-201704-91280 VERTICAL : RBW:1000.000KHz VSWR:0.000KHz SMT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 802.11n HT20 CH64 5320MHz HORIZONTAL : SG BAND 1---3 3m HF ANT-201704-91280 HORIZONTAL : RSM:1000.0000Hz VSW:3000.0000Hz SMT:Auto	 Site Condition : 802.11n HT20 CH64 5320MHz HORIZONTAL : SG BAND 1---3 3m HF ANT-201704-91280 HORIZONTAL : RSM:1000.0000Hz VSW:3000.0000Hz SMT:Auto
Avg.	 Site Condition : 802.11n HT20 CH64 5320MHz HORIZONTAL : SG BAND 1---3 (AVG) 3m HF ANT-201704-91280 HORIZONTAL : RSM:1000.0000Hz VSW:3000.0000Hz SMT:Auto	Left blank

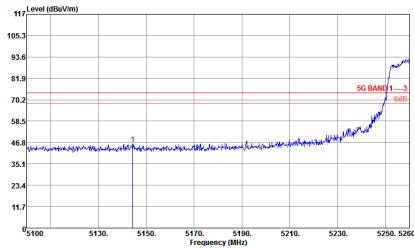
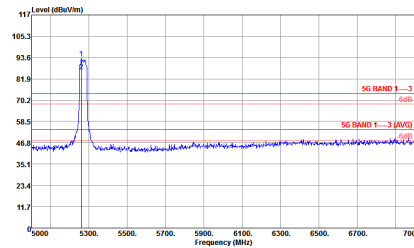
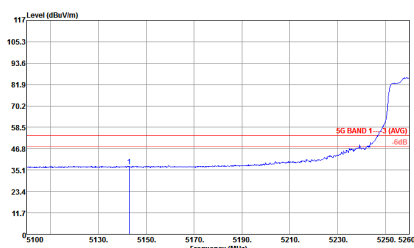
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 83CH03-KS : 5G BAND 1----3 3m HF ANT-281784-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto	 Site Condition : 83CH03-KS : 5G BAND 1----3 3m HF ANT-281784-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto
Avg.	 Site Condition : 83CH03-KS : 5G BAND 1----3 (AVG) 3m HF ANT-281784-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto	Left blank

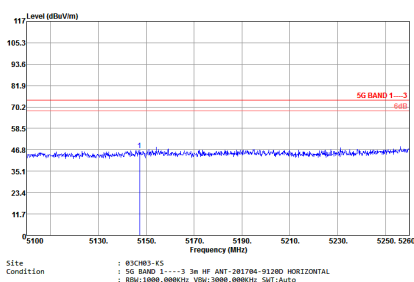
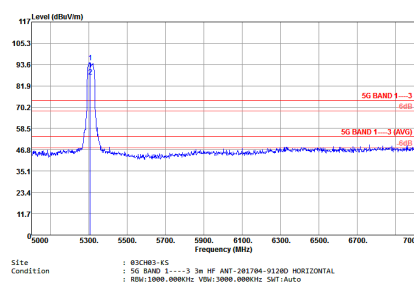
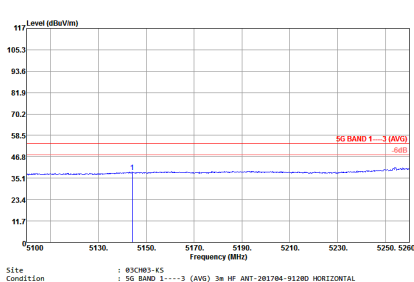
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 83CH03-KS : 5G BAND 1-3 (Peak) 3m HF ANT-201704-91280 HORIZONTAL : RES:1000.0000Hz VSW:3.0000Hz SMT:Auto	Left blank
Avg.	 Site Condition : 83CH03-KS : 5G BAND 1-3 (AVG) 3m HF ANT-201704-91280 HORIZONTAL : RES:1000.0000Hz VSW:3.0000Hz SMT:Auto	Left blank

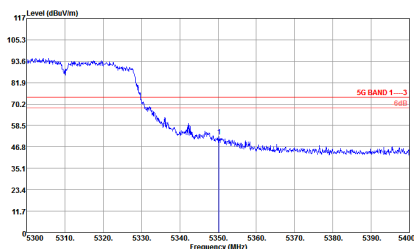
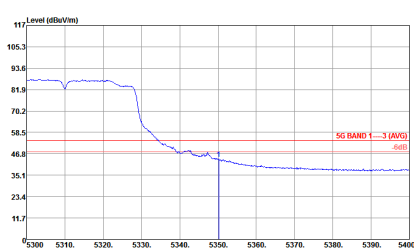


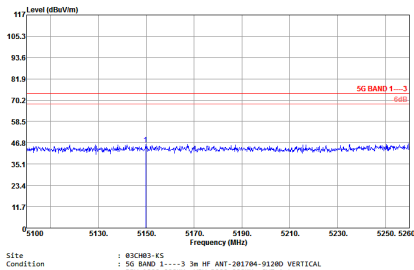
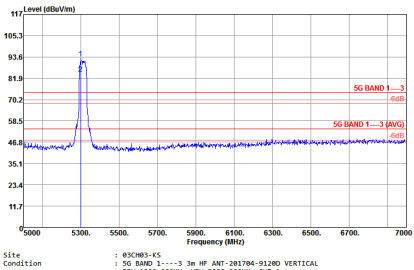
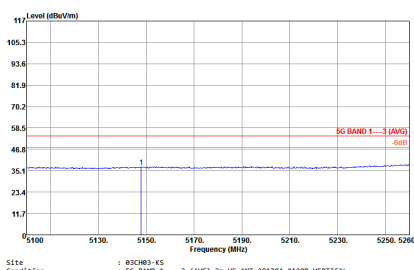
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1+2	Vertical	Vertical
Peak	 Site Condition : #SCM3-KS : SG BAND 1----3 3m HP ANT-201704-91280 VERTICAL : RBW:1000.000KHz VSW:3.000KHz SMT:Auto	 Site Condition : #SCM3-KS : SG BAND 1----3 3m HP ANT-201704-91280 VERTICAL : RBW:1000.000KHz VSW:3.000KHz SMT:Auto
Avg.	 Site Condition : #SCM3-KS : SG BAND 1----3 (AVG) 3m HP ANT-201704-91280 VERTICAL : RBW:1000.000KHz VSW:3.000KHz SMT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1+2	Vertical	Vertical
Peak	Site Condition : 03CWB3-K5 : 5G BAND 1-3 @ 3m HF ANT-201704-91280 VERTICAL : RBW:1000.000000Hz VBW:3.000000Hz SMT:Auto	Left blank
Avg.	Site Condition : 03CWB3-K5 : 5G BAND 1-3 (AVG) @ 3m HF ANT-201704-91280 VERTICAL : RBW:1000.000000Hz VBW:3.000000Hz SMT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 802.11n-ES : SG BAND 1-3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto	 Site Condition : 802.11n-ES : SG BAND 1-3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto
Avg.	 Site Condition : 802.11n-ES : SG BAND 1-3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto	Left blank

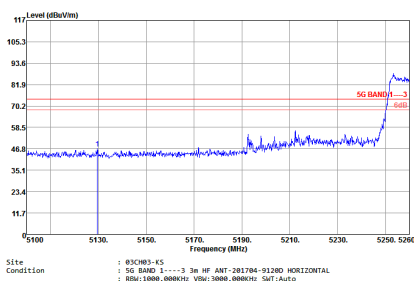
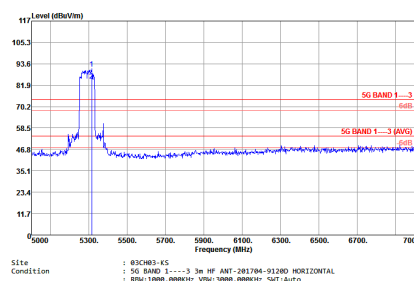
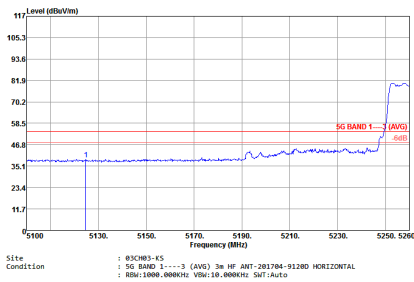
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 03C083-E5 : 5G BAND 1-3 (Peak) 3m HF ANT-201704-91280 HORIZONTAL : RBW:10000.000000Hz VSW:3.000000Hz SdF:Auto	Left blank
Avg.	 Site Condition : 03C083-E5 : 5G BAND 1-3 (AVG) 3m HF ANT-201704-91280 HORIZONTAL : RBW:10000.000000Hz VSW:3.000000Hz SdF:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1+2	Vertical	Fundamental
Peak	 Site Condition : 802.11n HT40 CH62 5310 - L : SG BAND 1-3 (delt) 3m HP ANT-281704-91280 VERTICAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto	 Site Condition : 802.11n HT40 CH62 5310 - L : SG BAND 1-3 (delt) 3m HP ANT-281704-91280 VERTICAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto
Avg.	 Site Condition : 802.11n HT40 CH62 5310 - L : SG BAND 1-3 (AVG) 3m HP ANT-281704-91280 VERTICAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto	Left blank



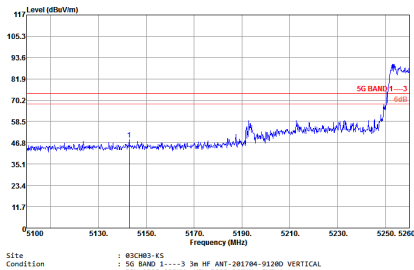
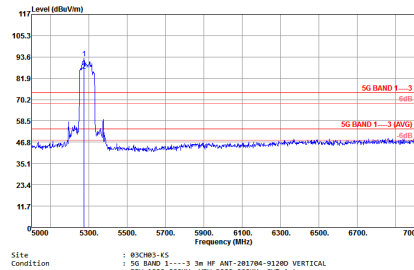
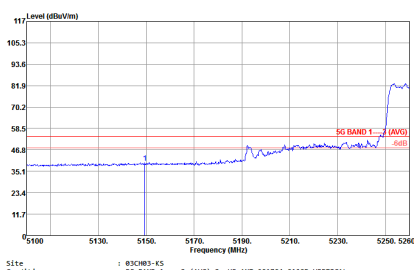
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Vertical	Fundamental
Peak	Site Condition : 83CMB3-K5 : 5G BAND 1-3 (dB) 3m HF ANT-201704-91280 VERTICAL : RBW:1000.000000Hz VBW:3.000000Hz SMT:Auto	Left blank
Avg.	Site Condition : 83CMB3-K5 : 5G BAND 1-3 (AVG) 3m HF ANT-201704-91280 VERTICAL : RBW:1000.000000Hz VBW:3.000000Hz SMT:Auto	Left blank

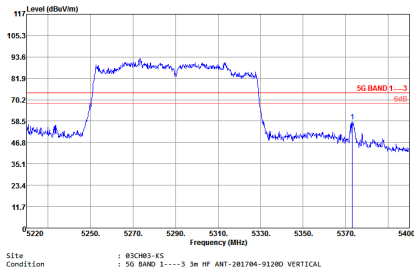
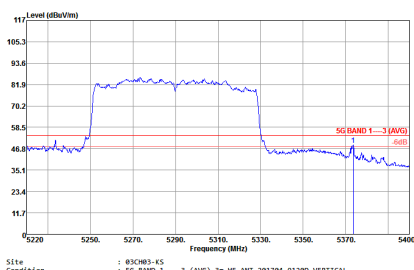
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 83CMB3-KS : 5G BAND 1----3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000KHz VSW:3.000.0000Hz SMT:Auto	 Site Condition : 83CMB3-KS : 5G BAND 1----3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000KHz VSW:3.000.0000Hz SMT:Auto
Avg.	 Site Condition : 83CMB3-KS : 5G BAND 1----3 (AVG) 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000KHz VSW:3.0.0000Hz SMT:Auto	Left blank

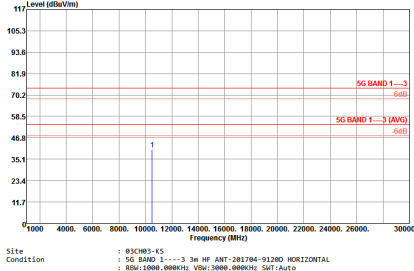
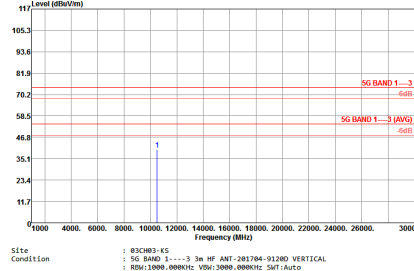


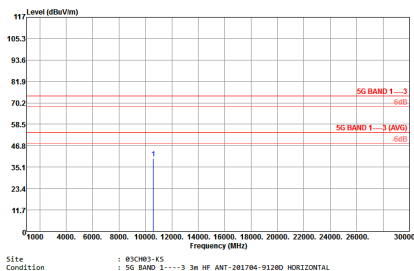
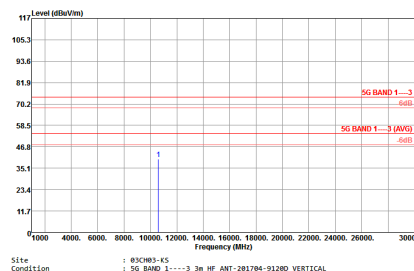
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak	Site Condition : #SCH83-KS : 5G BAND 1-3 @ 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000KHz VBW:3000.0000KHz SMT:Auto	Left blank
Avg.	Site Condition : #SCH83-KS : 5G BAND 1-3 (AVG) @ 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000KHz VBW:300.0000KHz SMT:Auto	Left blank

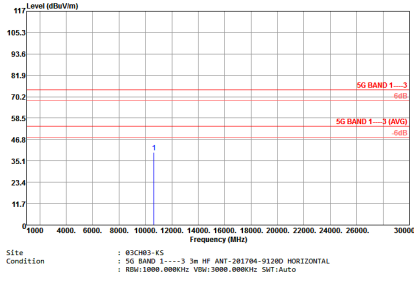
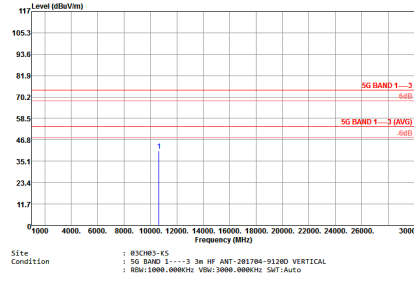
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak	 Site Condition : 802.11ac VHT80 CH58 5290MHz VERTICAL : 5G BAND 1-3 (Peak) 3m HF ANT-201704-91280 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site Condition : 802.11ac VHT80 CH58 5290MHz FUNDAMENTAL : 5G BAND 1-3 (Peak) 3m HF ANT-201704-91280 FUNDAMENTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg.	 Site Condition : 802.11ac VHT80 CH58 5290MHz VERTICAL : 5G BAND 1-3 (AVG) 3m HF ANT-201704-91280 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak	 Site Condition : #3CH83-KS : 5G BAND 1-3 (Peak) 3m HP ANT-201704-91280 VERTICAL : RBW:1000.0000KHz VSW:3000.0000KHz SMT:Auto	Left blank
Avg.	 Site Condition : #3CH83-KS : 5G BAND 1-3 (AVG) 3m HP ANT-201704-91280 VERTICAL : RBW:1000.0000KHz VSW:3000.0000KHz SMT:Auto	Left blank

Band 2 - 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

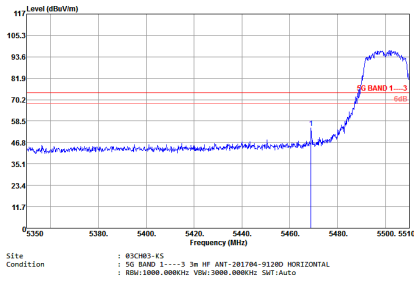
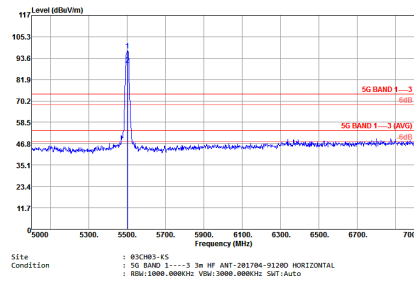
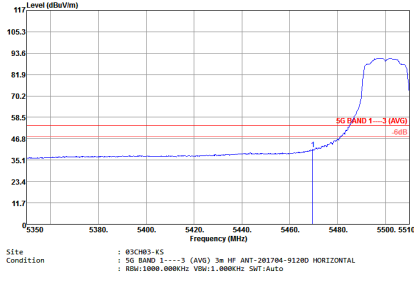
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site Condition : 83CMB3-KS : 5G BAND 1-3 3m HP ANT-201704-91280 HORIZONTAL : RBW:10000.0000Hz VSW:3000.0000Hz SMT:Auto	 Site Condition : 83CMB3-KS : 5G BAND 1-3 3m HP ANT-201704-91280 VERTICAL : RBW:10000.0000Hz VSW:3000.0000Hz SMT:Auto

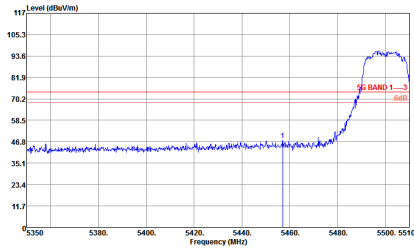
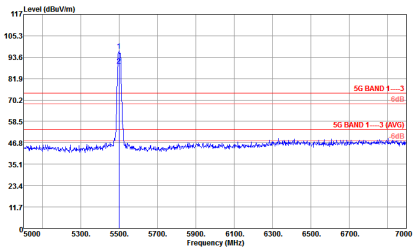
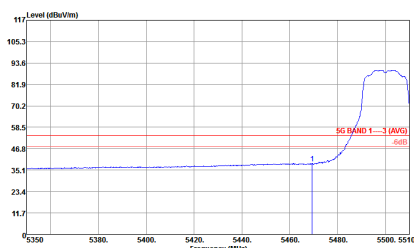
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site Condition : 802.11n HT20 CH60 5300MHz HORIZONTAL : 5G BAND 1-3 : 5250~5350MHz VSWR: 1.0000 SMT: Auto	 Site Condition : 802.11n HT20 CH60 5300MHz VERTICAL : 5G BAND 1-3 : 5250~5350MHz VSWR: 1.0000 SMT: Auto

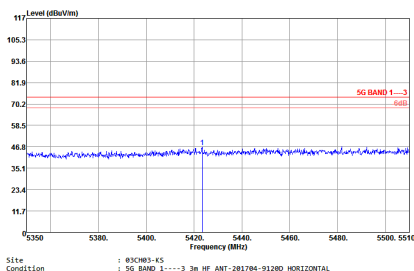
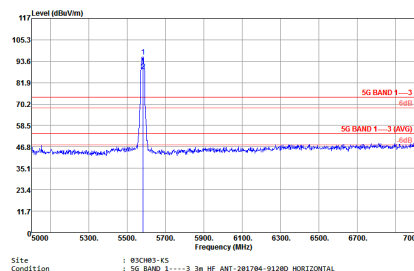
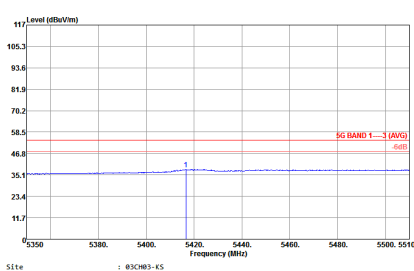
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site Condition : 802.11n HT20 CH64 5320MHz HORIZONTAL : 5G BAND 1-3 3m HP ANT-201704-91280 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site Condition : 802.11n HT20 CH64 5320MHz VERTICAL : 5G BAND 1-3 3m HP ANT-201704-91280 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

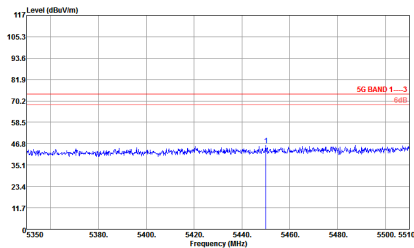
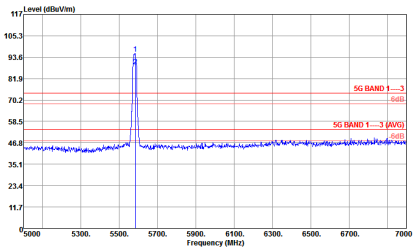
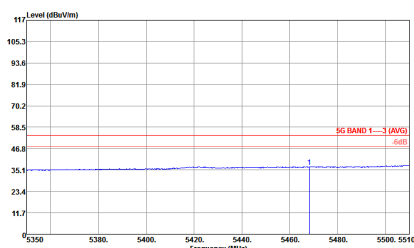
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 83CH03-KS : 5G BAND 1-3 3m HP ANT-201704-91280 HORIZONTAL : RBW:1000.000kHz VSW:3000.000kHz SdF:Auto	 Site Condition : 83CH03-KS : 5G BAND 1-3 3m HP ANT-201704-91280 HORIZONTAL : RBW:1000.000kHz VSW:3000.000kHz SdF:Auto
Avg.	 Site Condition : 83CH03-KS : 5G BAND 1-3 3m HP ANT-201704-91280 HORIZONTAL : RBW:1000.000kHz VSW:3000.000kHz SdF:Auto	Left blank

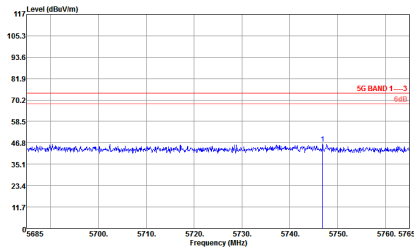
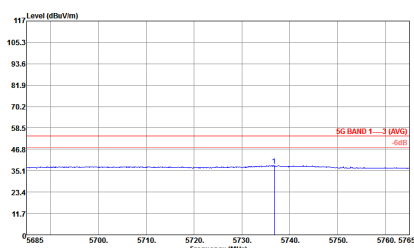
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Vertical	Fundamental
Peak	 Site Condition : 802.11n HT20 CH100 5500MHz VERTICAL : SG BAND 1-3 (AVG) 3m HF ANT-201704-91280 VERTICAL : RBW:1000.0000Hz VSW:1.0000Hz SMT:Auto	 Site Condition : 802.11n HT20 CH100 5500MHz VERTICAL : SG BAND 1-3 (AVG) 3m HF ANT-201704-91280 VERTICAL : RBW:1000.0000Hz VSW:1.0000Hz SMT:Auto
Avg.	 Site Condition : 802.11n HT20 CH100 5500MHz VERTICAL : SG BAND 1-3 (AVG) 3m HF ANT-201704-91280 VERTICAL : RBW:1000.0000Hz VSW:1.0000Hz SMT:Auto	Left blank

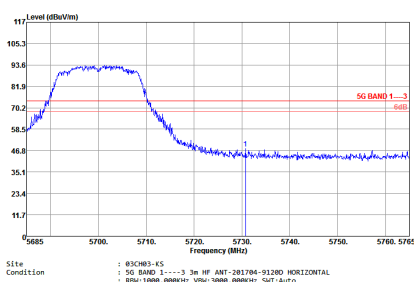
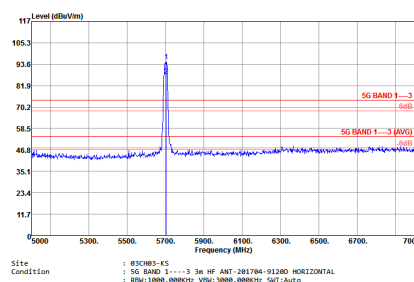
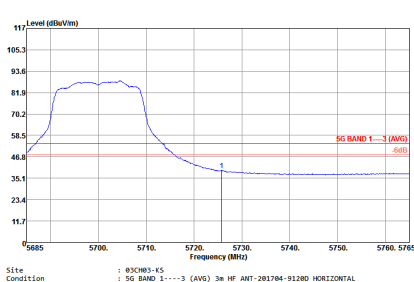
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 802.11n-ES : SG BAND 1----3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto	 Site Condition : 802.11n-ES : SG BAND 1----3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto
Avg.	 Site Condition : 802.11n-ES : SG BAND 1----3 (AVG) 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto	Left blank

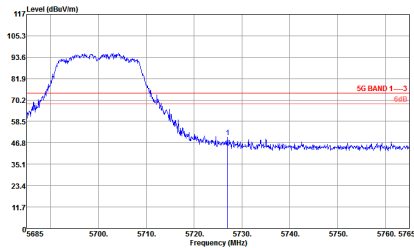
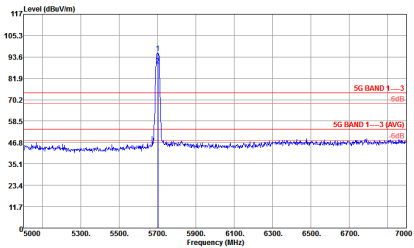
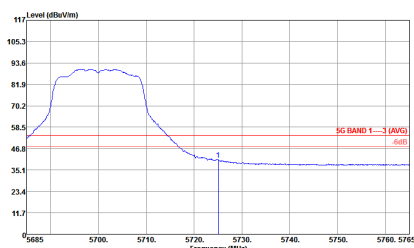


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak	Site Condition : 03CMB3-KS : 5G BAND 1-3-5 3m HF ANT-201704-91280 HORIZONTAL : RBW:10000.0000KHz VBW:3000.0000KHz SMT:Auto	Left blank
Avg.	Site Condition : 03CMB3-KS : 5G BAND 1-3-5 (AVG) 3m HF ANT-201704-91280 HORIZONTAL : RBW:10000.0000KHz VBW:3.0000KHz SMT:Auto	Left blank

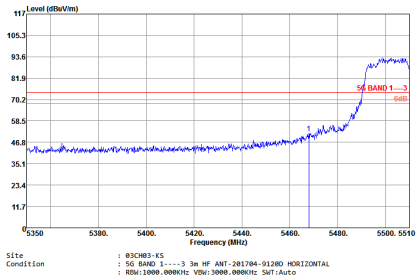
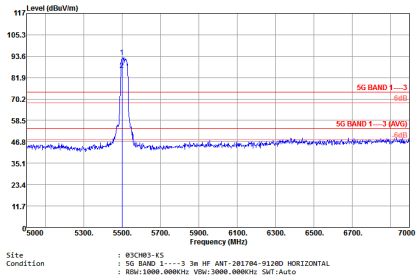
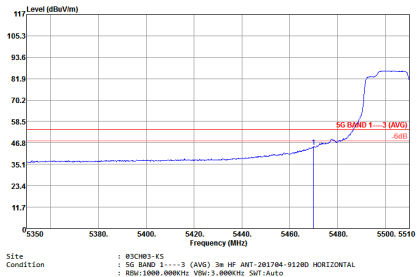
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH03-KS Condition : SG BAND 1-3 3m HF ANT-201704-91280 VERTICAL RBW:1000.000KHz VSW:3000.000KHz SMT:Auto	 Site : 03CH03-KS Condition : SG BAND 1-3 3m HF ANT-201704-91280 VERTICAL RBW:1000.000KHz VSW:3000.000KHz SMT:Auto
Avg.	 Site : 03CH03-KS Condition : SG BAND 1-3 (AVG) 3m HF ANT-201704-91280 VERTICAL RBW:1000.000KHz VSW:3000.000KHz SMT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 83CMB3-KS Condition : 5G BAND 1----3 3m HF ANT-201704-91280 VERTICAL : RBW:1000.0000KHz VBW:3000.0000KHz SMT:Auto	Left blank
Avg.	 Site : 83CMB3-KS Condition : 5G BAND 1----3 (AVG) 3m HF ANT-201704-91280 VERTICAL : RBW:1000.0000KHz VBW:3.0000KHz SMT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 802.11n-ES : 5G BAND 1----3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.000KHz VSW:3.000KHz SMT:Auto	 Site Condition : 802.11n-ES : 5G BAND 1----3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.000KHz VSW:3.000KHz SMT:Auto
Avg.	 Site Condition : 802.11n-ES : 5G BAND 1----3 (AVG) 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.000KHz VSW:3.000KHz SMT:Auto	Left blank

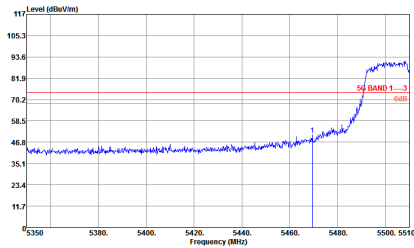
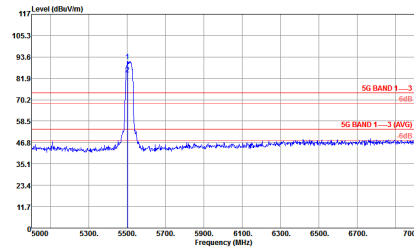
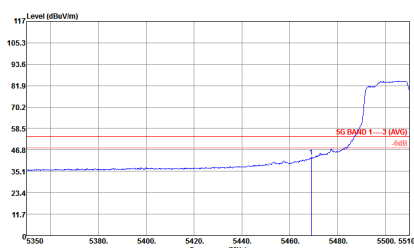
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Vertical	Fundamental
Peak.	 Site Condition : 03CH03-KS : SG BAND 1-3 3m HF ANT-201704-91280 VERTICAL : RBW:1000.0000Hz VSW:3000.0000Hz SMT:Auto	 Site Condition : 03CH03-KS : SG BAND 1-3 3m HF ANT-201704-91280 VERTICAL : RBW:1000.0000Hz VSW:3000.0000Hz SMT:Auto
Avg.	 Site Condition : 03CH03-KS : SG BAND 1-3 (AVG) 3m HF ANT-201704-91280 VERTICAL : RBW:1000.0000Hz VSW:3000.0000Hz SMT:Auto	Left blank

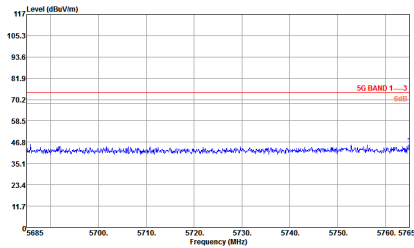
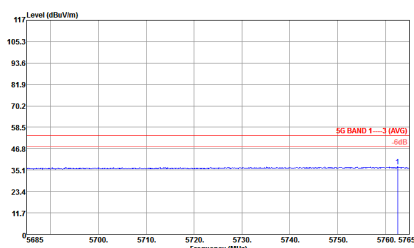
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

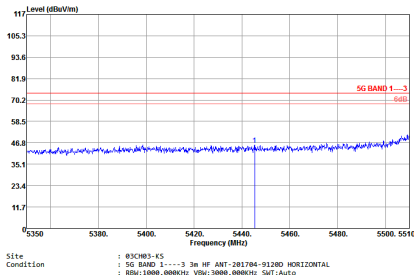
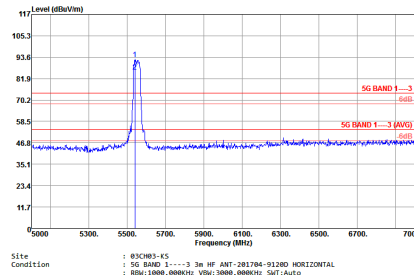
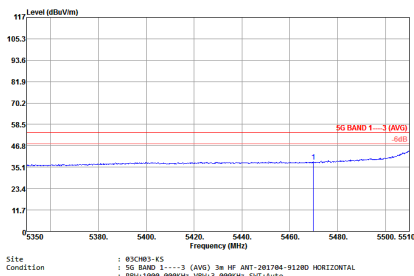
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 83CH03-KS : 5G BAND 1----3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000 SMT:Auto	 Site Condition : 83CH03-KS : 5G BAND 1----3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000 SMT:Auto
Avg.	 Site Condition : 83CH03-KS : 5G BAND 1----3 (AVG) 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000 SMT:Auto	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1+2	Horizontal	Fundamental
Peak	Site Condition : 85CMB3-E5 : 5G BAND 1-3 (Peak) 3m HF ANT-201704-91280 HORIZONTAL : RBW:10000.000000Hz VBW:30000.000000Hz SMT:Auto	Left blank
Avg.	Site Condition : 85CMB3-E5 : 5G BAND 1-3 (AVG) 3m HF ANT-201704-91280 HORIZONTAL : RBW:10000.000000Hz VBW:30000.000000Hz SMT:Auto	Left blank

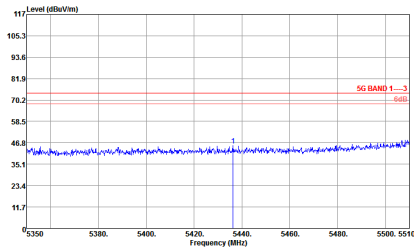
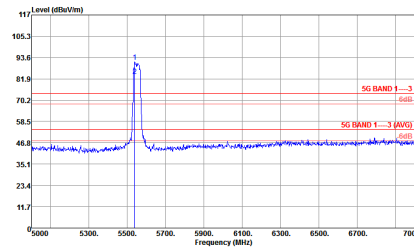
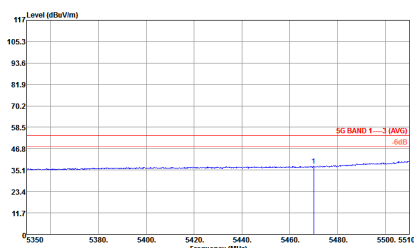
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Vertical	Fundamental
Peak	 Site Condition : 802.11n-ES : 5G BAND 1-3-3 3m HF ANT-201704-91280 VERTICAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto	 Site Condition : 802.11n-ES : 5G BAND 1-3-3 3m HF ANT-201704-91280 VERTICAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto
Avg.	 Site Condition : 802.11n-ES : 5G BAND 1-3-3 (AVG) 3m HF ANT-201704-91280 VERTICAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1+2	Vertical	Fundamental
Peak	 Site Condition : 83CMB3-KS : 5G BAND 1-3-3 3m HP ANT-201704-91280 VERTICAL : RBW:1000.0000KHz VBW:3000.0000KHz SMT:Auto	Left blank
Avg.	 Site Condition : 83CMB3-KS : 5G BAND 1-3-3 (AVG) 3m HP ANT-201704-91280 VERTICAL : RBW:1000.0000KHz VBW:3.0000KHz SMT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 802.11n HT40 CH110 5550MHz - L : SG BAND 1---3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000Hz SAT:Auto	 Site Condition : 802.11n HT40 CH110 5550MHz - L : SG BAND 1---3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000Hz SAT:Auto
Avg.	 Site Condition : 802.11n HT40 CH110 5550MHz - L : SG BAND 1---3 (AVG) 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000Hz SAT:Auto	Left blank

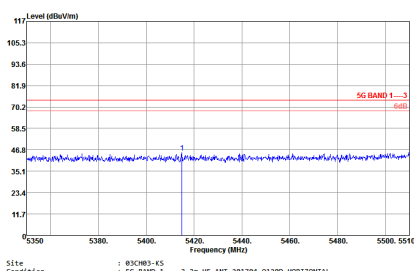
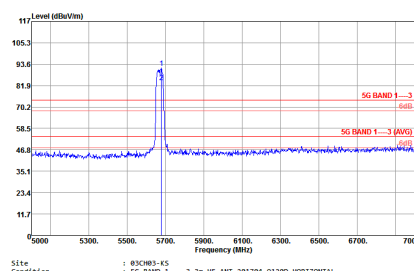
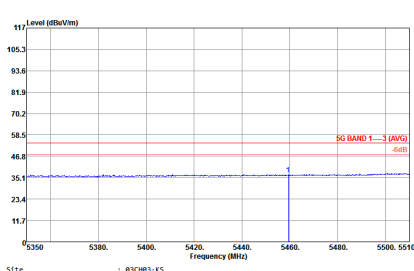


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1+2	Horizontal	Fundamental
Peak	Site : 83CH83-ES Condition : 5G BAND 1-3-3 3m HP ANT-201704-91280 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SMT:Auto	Left blank
Avg.	Site : 83CH83-ES Condition : 5G BAND 1-3-3 (AVG) 3m HP ANT-201704-91280 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SMT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1+2	Vertical	Fundamental
Peak	 Site Condition : 03CMB3-KS : SG BAND 1-3 3m HF ANT-201704-91280 VERTICAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto	 Site Condition : 03CMB3-KS : SG BAND 1-3 3m HF ANT-201704-91280 VERTICAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto
Avg.	 Site Condition : 03CMB3-KS : SG BAND 1-3 (AVG) 3m HF ANT-201704-91280 VERTICAL : RBW:1000.0000Hz VSW:3.0000Hz SMT:Auto	Left blank

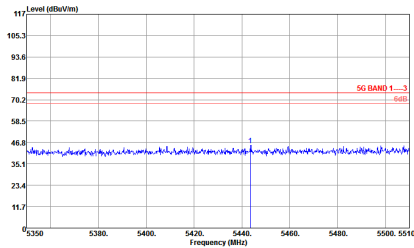
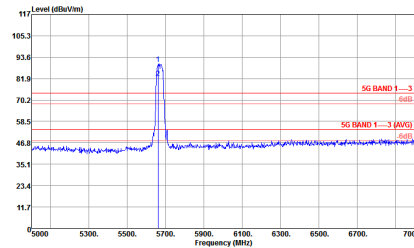
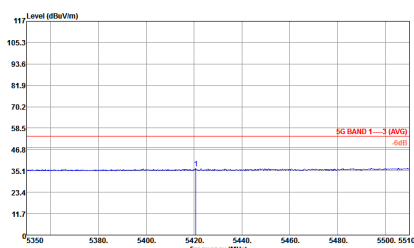


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1+2	Vertical	Fundamental
Peak	Site : 03C083-KS Condition : 5G BAND 1-3 @ 3m HP ANT-201704-91280 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Left blank
Avg.	Site : 03C083-KS Condition : 5G BAND 1-3 (AVG) @ 3m HP ANT-201704-91280 VERTICAL RBW:1000.000KHz VBW:3.000KHz SMT:Auto	Left blank

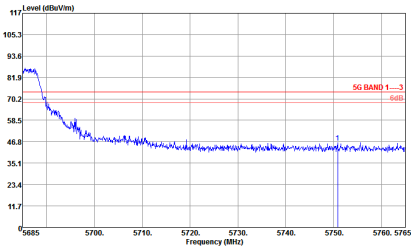
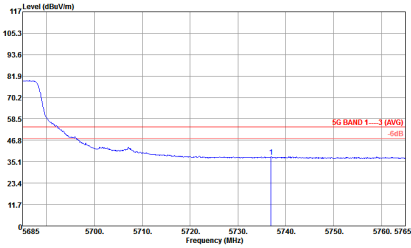
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 802.11n HT40 CH134 5670MHz - L : SG BAND 1---3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000Hz SAT:Auto	 Site Condition : 802.11n HT40 CH134 5670MHz - L : SG BAND 1---3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000Hz SAT:Auto
Avg.	 Site Condition : 802.11n HT40 CH134 5670MHz - L : SG BAND 1---3 (AVG) 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VSW:3.0000Hz SAT:Auto	Left blank



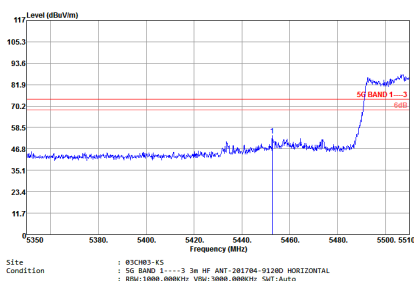
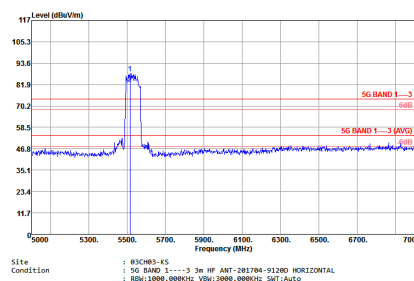
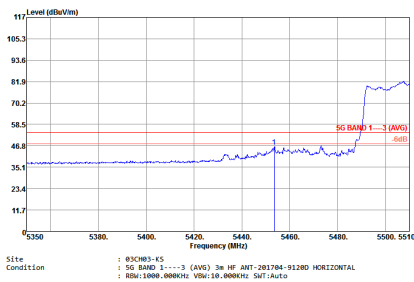
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1+2	Horizontal	Fundamental
Peak	Site Condition : 83CMB3-E5 : 5G BAND 1-3 (dB) 3m HF ANT-201704-91280 HORIZONTAL : RBW:10000.000000Hz VBW:3.000000Hz SMT:Auto	Left blank
Avg.	Site Condition : 83CMB3-E5 : 5G BAND 1-3 (AVG) 3m HF ANT-201704-91280 HORIZONTAL : RBW:10000.000000Hz VBW:3.000000Hz SMT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1+2	Vertical	Fundamental
Peak	 Site Condition : 802.11n HT40 CH134 5670MHz - L : SG BAND 1-3 (AVG) 3m HP ANT-201704-91280 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	 Site Condition : 802.11n HT40 CH134 5670MHz - L : SG BAND 1-3 (AVG) 3m HP ANT-201704-91280 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto
Avg.	 Site Condition : 802.11n HT40 CH134 5670MHz - L : SG BAND 1-3 (AVG) 3m HP ANT-201704-91280 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto	Left blank



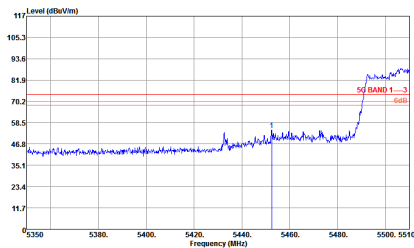
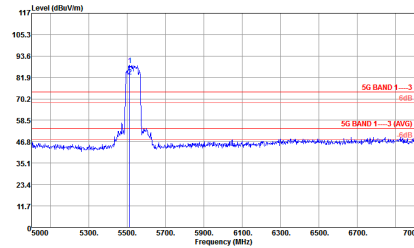
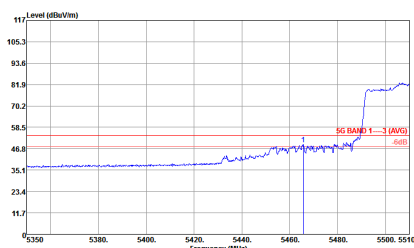
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1+2	Vertical	Fundamental
Peak	 Site Condition : 83CMB3-K5 : 5G BAND 1----3 3m HP ANT-281784-91280 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	Left blank
Avg.	 Site Condition : 83CMB3-K5 : 5G BAND 1----3 (AVG) 3m HP ANT-281784-91280 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SMT:Auto	Left blank

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 - L	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 83CH03-KS : 5G BAND 1----3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SMT:Auto	 Site Condition : 83CH03-KS : 5G BAND 1----3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SMT:Auto
Avg.	 Site Condition : 83CH03-KS : 5G BAND 1----3 (AVG) 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SMT:Auto	Left blank



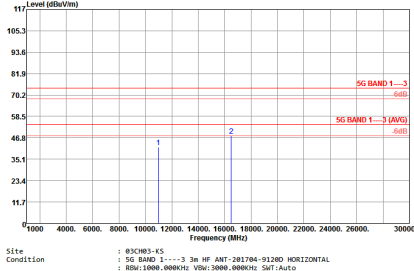
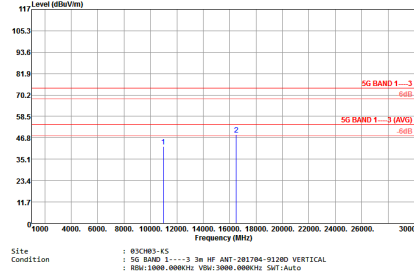
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Horizontal	Fundamental
Peak	Site Condition : 03CWB3-KS : 5G BAND 1-3 @ 3m HF ANT-201704-91280 HORIZONTAL : RBW:10000.00000Hz VSW:1000.00000Hz SMT:Auto	Left blank
Avg.	Site Condition : 03CWB3-KS : 5G BAND 1-3 (AVG) @ 3m HF ANT-201704-91280 HORIZONTAL : RBW:10000.00000Hz VSW:100.00000Hz SMT:Auto	Left blank

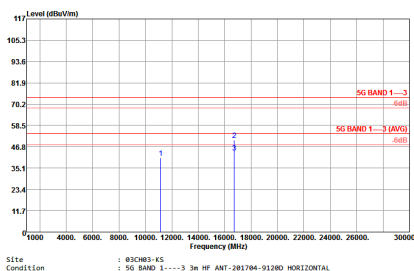
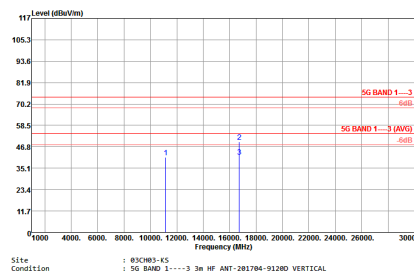
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Vertical	Fundamental
Peak	 Site Condition : 03CH03-KS : 5G BAND 1-3 @ 3m HP ANT-201704-91280 VERTICAL : RBW:1000.000kHz VSW:3000.000kHz SAT:Auto	 Site Condition : 03CH03-KS : 5G BAND 1-3 @ 3m HP ANT-201704-91280 VERTICAL : RBW:1000.000kHz VSW:3000.000kHz SAT:Auto
Avg.	 Site Condition : 03CH03-KS : 5G BAND 1-3 (AVG) @ 3m HP ANT-201704-91280 VERTICAL : RBW:1000.000kHz VSW:30.000kHz SAT:Auto	Left blank

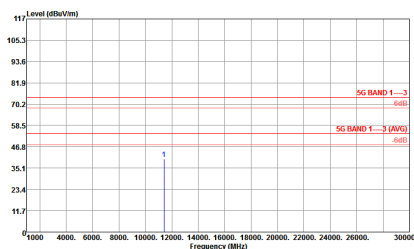
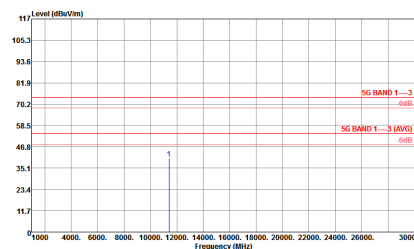


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Vertical	Fundamental
Peak	Site : 03CH03-ES Condition : 5G BAND 1-3 @ 3m HP ANT-201704-91280 VERTICAL RBW:1000.0000Hz VSW:3000.0000Hz SMT:Auto	Left blank
Avg.	Site : 03CH03-ES Condition : 5G BAND 1-3 (AVG) @ 3m HP ANT-201704-91280 VERTICAL RBW:1000.0000Hz VSW:30.0000Hz SMT:Auto	Left blank

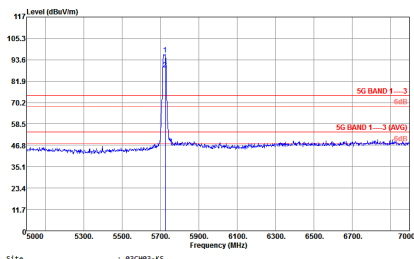
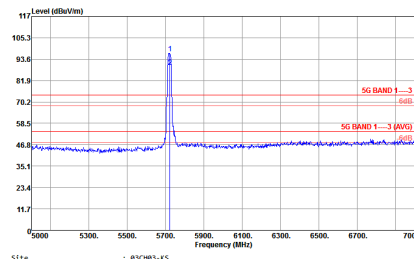
Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site Condition : 83CWB3-KS : SG BAND 1-3 3m HP ANT-201704-01200 HORIZONTAL : RBW:1000.000kHz VSW:3000.000kHz SMT:Auto	 Site Condition : 83CWB3-KS : SG BAND 1-3 3m HP ANT-201704-01200 VERTICAL : RBW:1000.000kHz VSW:3000.000kHz SMT:Auto

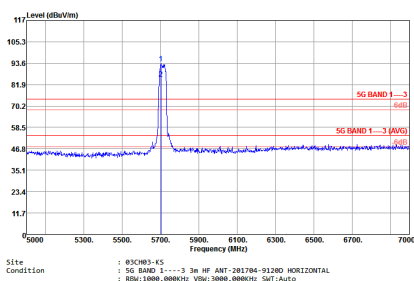
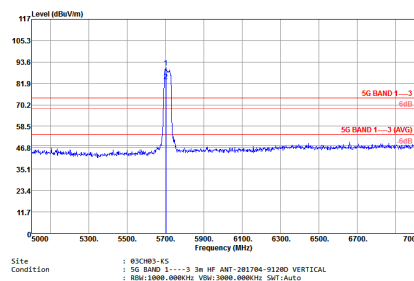
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site Condition : 802.11n HT20 CH116 5580MHz HORIZONTAL : SG BAND 1-3 : 5470~5725MHz VSWR: 1.0000 SMT: Auto	 Site Condition : 802.11n HT20 CH116 5580MHz VERTICAL : SG BAND 1-3 : 5470~5725MHz VSWR: 1.0000 SMT: Auto

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site Condition : 802.11n HT20 CH140 HORIZONTAL : SG BAND 1---3 3m HP ANT-281704-91280 HORIZONTAL : RSM:1000.0000Hz VSW:3000.0000Hz SAT:Auto	 Site Condition : 802.11n HT20 CH140 VERTICAL : SG BAND 1---3 3m HP ANT-281704-91280 VERTICAL : RSM:1000.0000Hz VSW:3000.0000Hz SAT:Auto

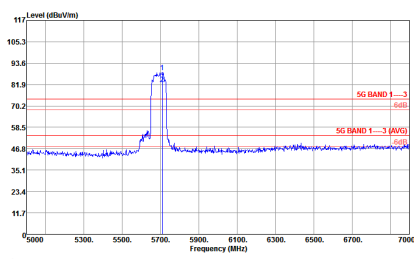
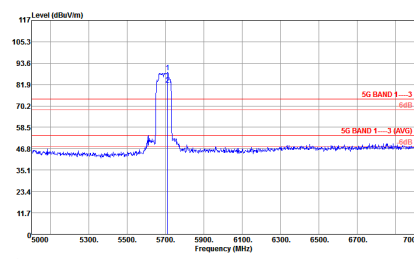
Band 3 - Straddle Channel
WIFI 802.11n HT20 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 83CMB3-KS Condition : 5G BAND 1-3 3m HF ANT: 201704-91280 HORIZONTAL : RSM:1000.000KHz VSW:3000.000KHz SMT:Auto	 Site : 83CMB3-KS Condition : 5G BAND 1-3 3m HF ANT: 201704-91280 VERTICAL : RSM:1000.000KHz VSW:3000.000KHz SMT:Auto

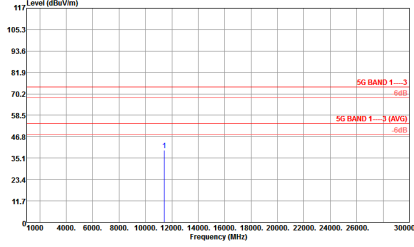
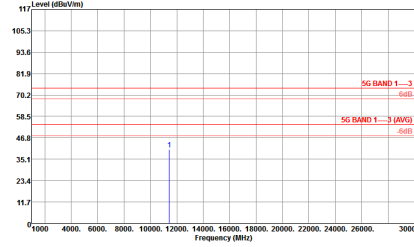
Band 3 – Straddle Channel
WIFI 802.11n HT40 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site Condition : #3CH03-KS : 5G BAND 1----3 3m HF ANT-201704-91280 HORIZONTAL : RBW:1000.0000Hz VBW:3000.0000Hz SMT:Auto	 Site Condition : #3CH03-KS : 5G BAND 1----3 3m HF ANT-201704-91280 VERTICAL : RBW:1000.0000Hz VBW:3000.0000Hz SMT:Auto

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

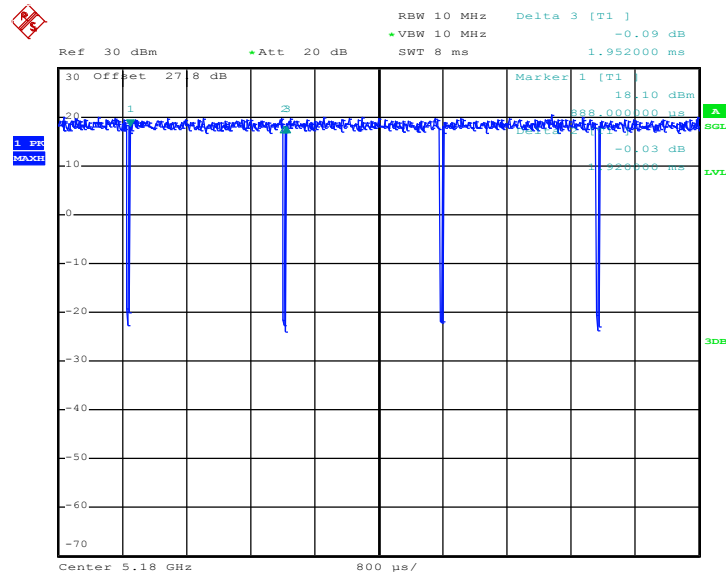
WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site Condition : 03CH03-KS : 5G BAND 1----3 3m HF ANT-201704-91280 HORIZONTAL : RMS:1000.0000Hz VSW:3000.0000Hz SUT:Auto	 Site Condition : 03CH03-KS : 5G BAND 1----3 3m HF ANT-201704-91280 VERTICAL : RMS:1000.0000Hz VSW:3000.0000Hz SUT:Auto

Band 3 - Straddle Channel
WIFI 802.11n HT20 (Harmonic @ 3m)

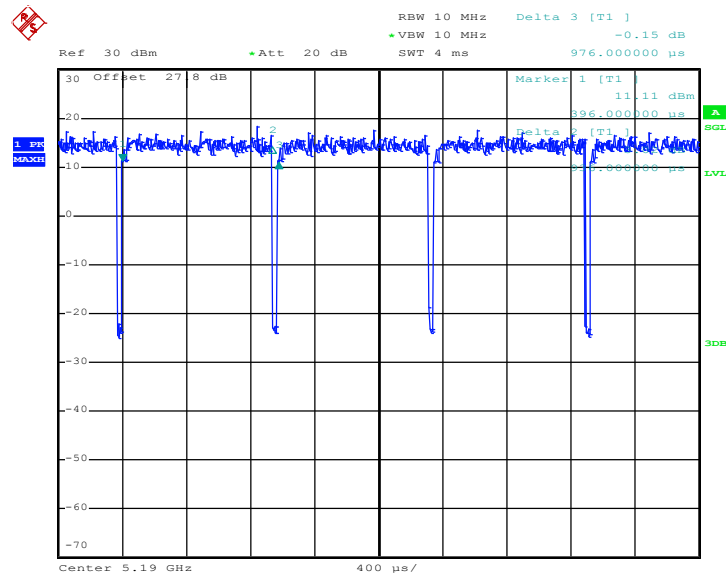
WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site Condition : 83CWB3-KS : 5G BAND 1-3 3m HF ANT-201704-91280 HORIZONTAL : RBW:10000.000kHz; VSW:3000.000kHz; SMT:Auto	 Site Condition : 83CWB3-KS : 5G BAND 1-3 3m HF ANT-201704-91280 VERTICAL : RBW:10000.000kHz; VSW:3000.000kHz; SMT:Auto

Appendix D. Duty Cycle Plots

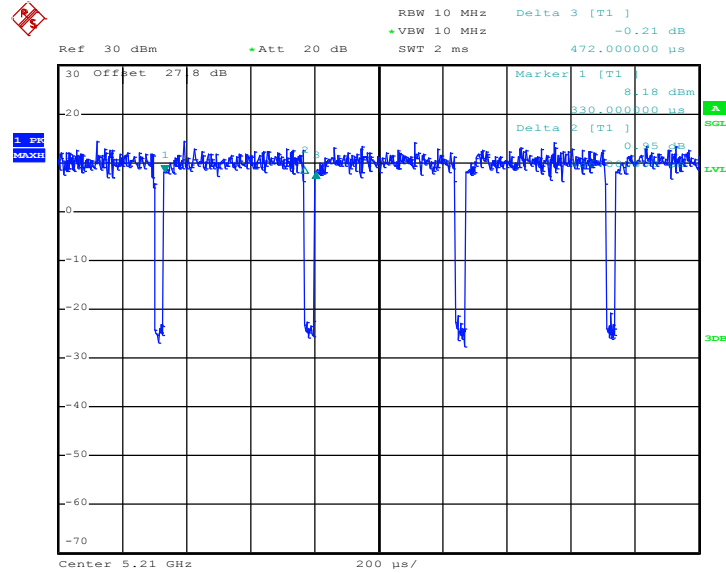
Antenna	Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
1	5GHz 802.11n HT20	98.36	-	-	10Hz
1	5GHz 802.11n HT40	95.90	0.94	1.07	3kHz
1	5GHz 802.11ac VHT80	92.37	0.44	2.29	3kHz
1+2	5GHz 802.11n HT20 for Ant. 1	98.36	-	-	10Hz
1+2	5GHz 802.11n HT20 for Ant. 2	98.36	-	-	10Hz
1+2	5GHz 802.11n HT40 for Ant. 1	96.72	0.94	1.06	3kHz
1+2	5GHz 802.11n HT40 for Ant. 2	96.72	0.94	1.06	3kHz
1+2	5GHz 802.11ac VHT80 for Ant. 1	89.44	0.25	3.94	10kHz
1+2	5GHz 802.11ac VHT80 for Ant. 2	89.44	0.25	3.94	10kHz

SISO <Ant. 1>
802.11n HT20


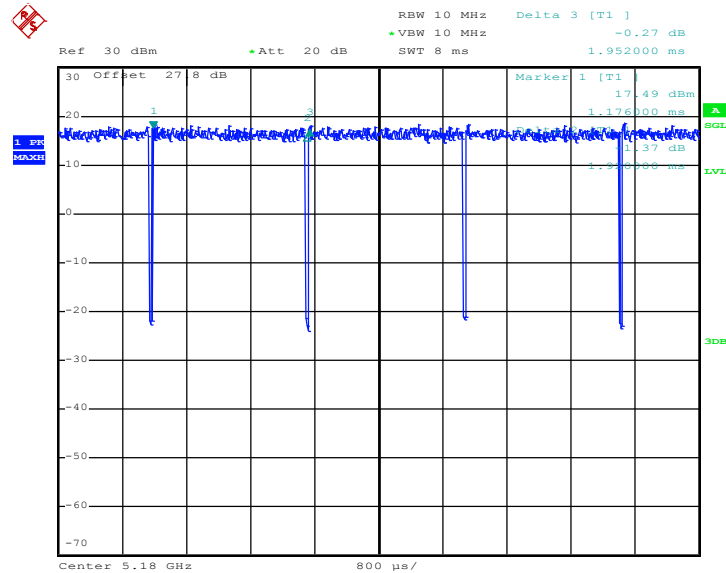
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802.11n HT40


Date: 29.APR.2017 11:43:01

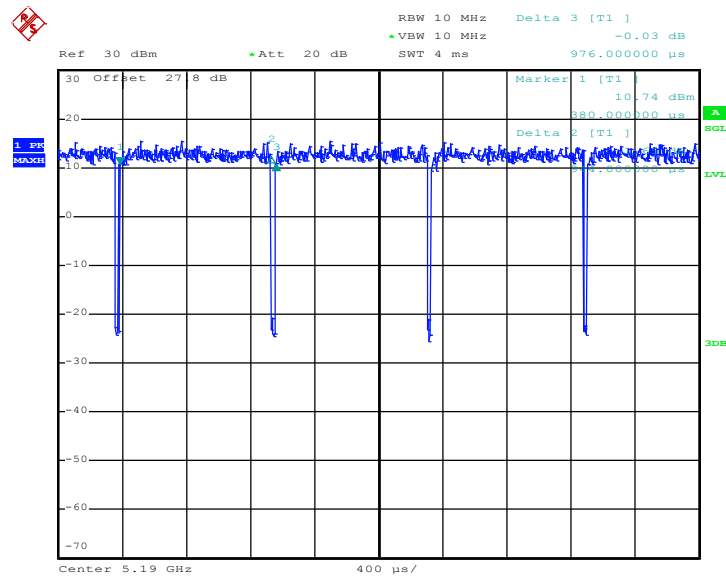
802.11ac VHT80


Date: 29.APR.2017 11:52:11

<MIMO Ant. 1>
802.11n HT20


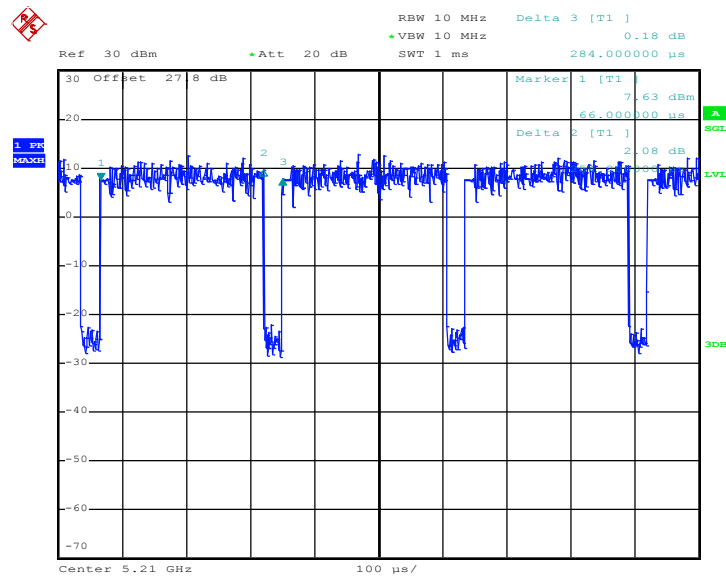
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802.11n HT40

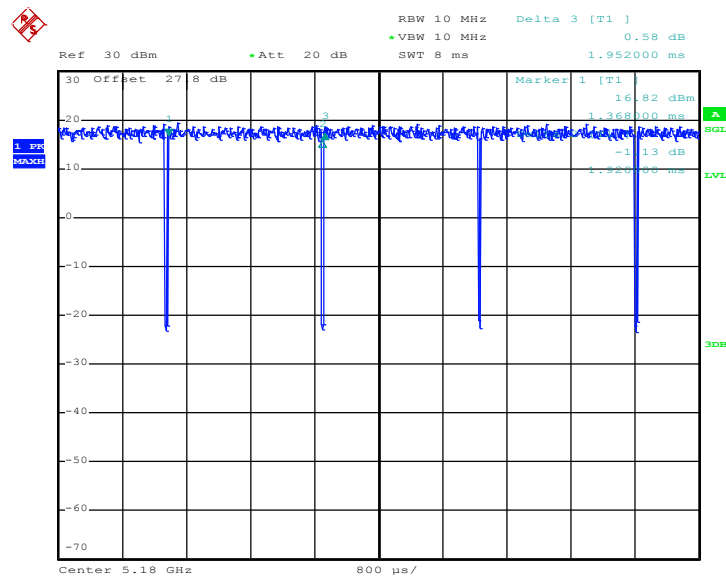


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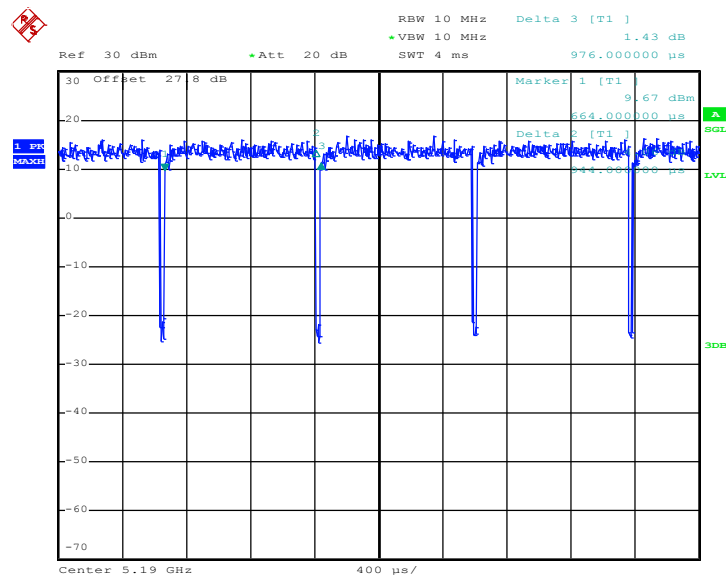
802.11ac VHT80



Date: 29.APR.2017 11:53:35

<MIMO Ant. 2>
802.11n HT20


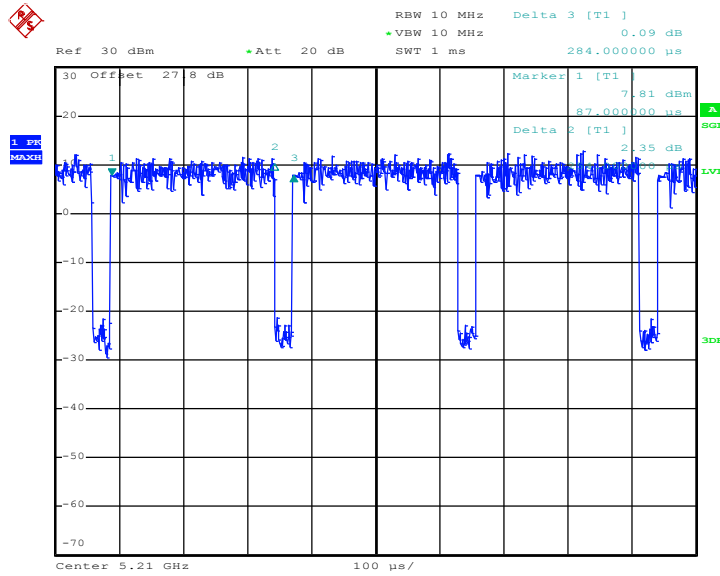
Date: 29.APR.2017 11:41:58

802.11n HT40


Date: 29.APR.2017 11:44:50



802.11ac VHT80



Date: 29.APR.2017 11:54:09