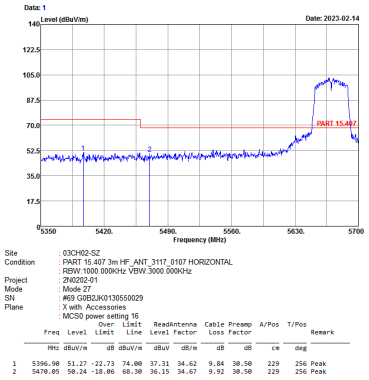
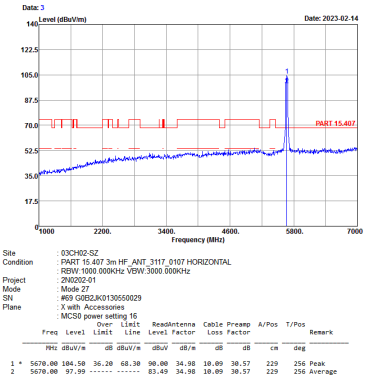
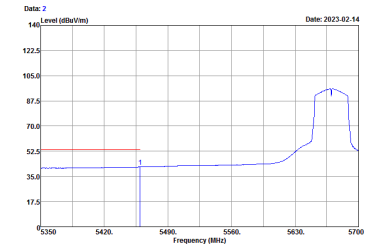
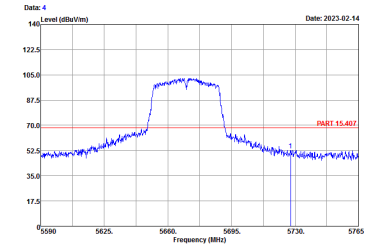
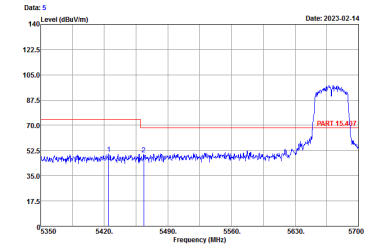
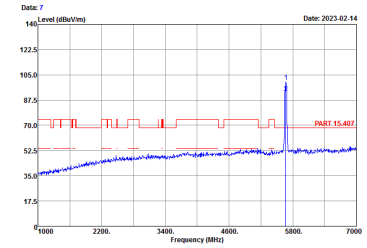
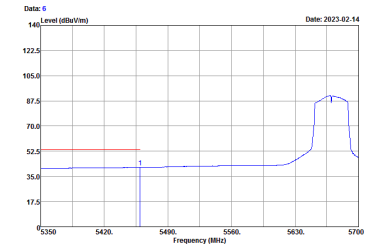
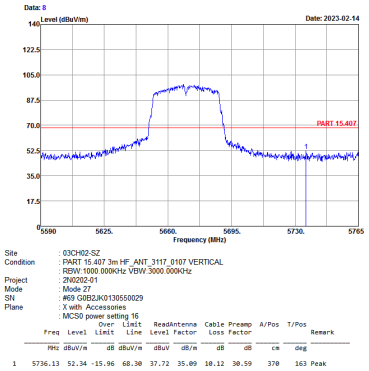
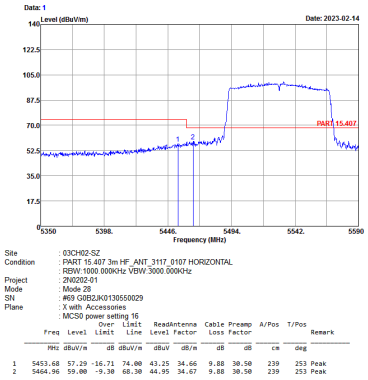
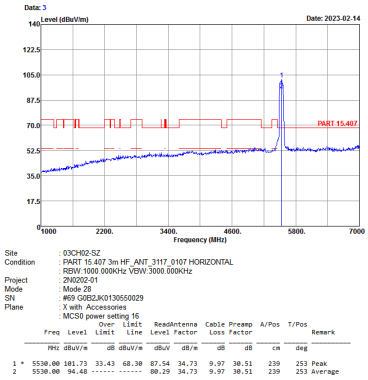
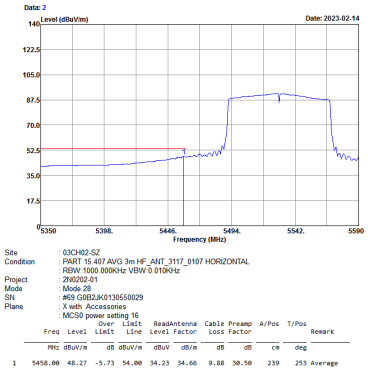
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz Project : ZN0202-01 Mode : Mode 27 SN : #69 GIB2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5396.90 51.27 -22.73 74.00 37.31 34.62 9.84 30.50 229 256 Peak 2 5470.05 50.24 -18.06 68.30 36.15 34.67 9.92 30.50 229 256 Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz Project : ZN0202-01 Mode : Mode 27 SN : #69 GIB2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 5670.00 104.50 36.20 68.30 90.00 34.98 10.09 30.57 229 256 Peak 2 5670.00 97.99 ------ ------ 83.49 34.98 10.09 30.57 229 256 Average
Avg.	 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz Project : ZN0202-01 Mode : Mode 27 SN : #69 GIB2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5459.55 41.56 -12.44 54.00 27.52 34.66 9.88 30.50 229 256 Average	Left blank

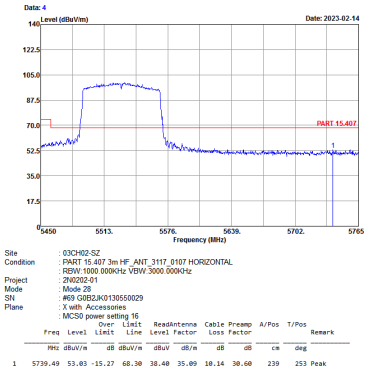
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL : RBW: 1000.000KHz VBW: 3000.000KHz Project : ZN0202-01 Mode : Mode 27 SN : #69 GIB2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5727.55 52.74 -15.56 68.30 38.15 35.06 10.12 30.59 229 256 Peak	Left blank

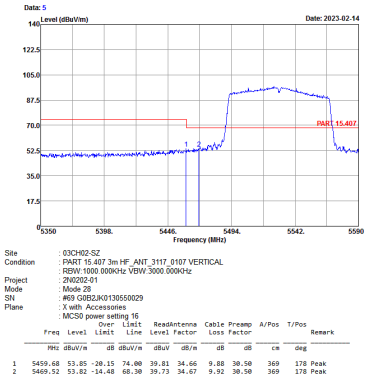
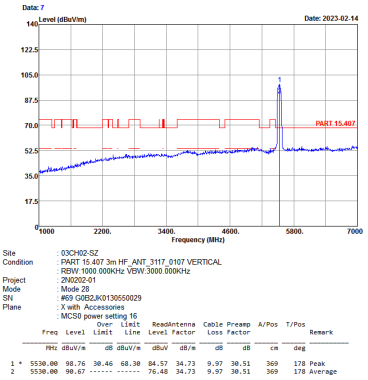
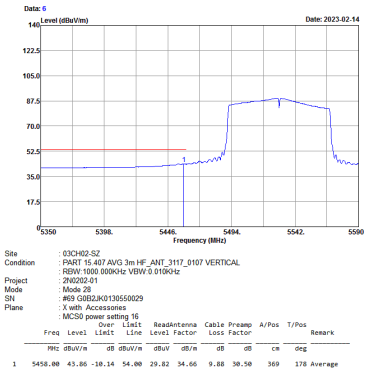
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz Project : ZN0202-01 Mode : Mode 27 SN : #69 G8B2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5424.90 50.18 -23.82 74.00 36.21 34.63 9.84 30.50 370 163 Peak 2 5463.40 49.92 -18.38 68.30 35.87 34.67 9.88 30.50 370 163 Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz Project : ZN0202-01 Mode : Mode 27 SN : #69 G8B2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 5670.00 100.23 31.93 68.30 85.73 34.98 10.09 30.57 370 163 Peak 2 5670.00 92.36 ------ ------ 77.86 34.98 10.09 30.57 370 163 Average
Avg.	 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:0.010KHz Project : ZN0202-01 Mode : Mode 27 SN : #69 G8B2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5459.55 41.32 -12.68 54.00 27.28 34.66 9.88 30.50 370 163 Average	Left blank

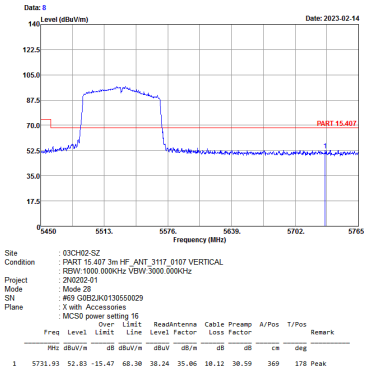
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL : RBW: 1000.000KHz VBW: 3000.000KHz Project : ZN0202-01 Mode : Mode 27 SN : #69 GIB2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5736.13 52.34 -15.96 68.30 37.72 35.09 10.12 30.59 370 163 Peak	Left blank

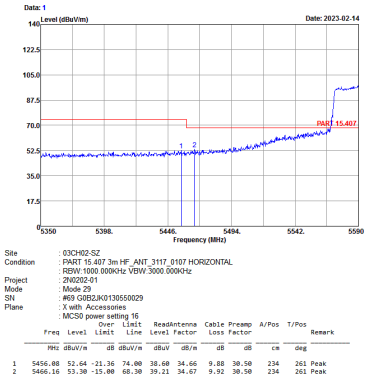
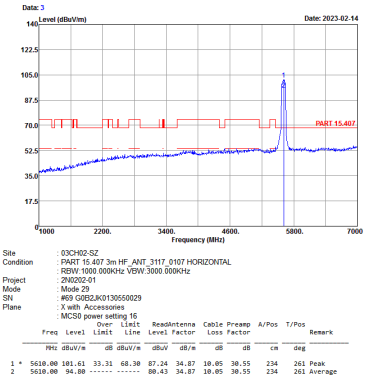
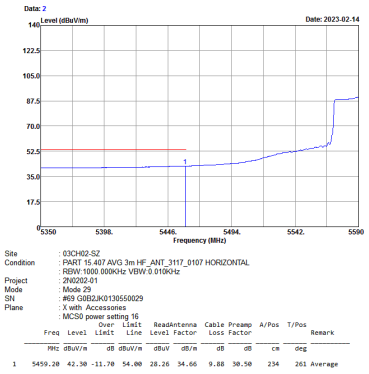
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

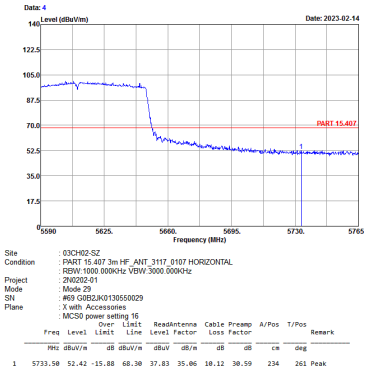
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

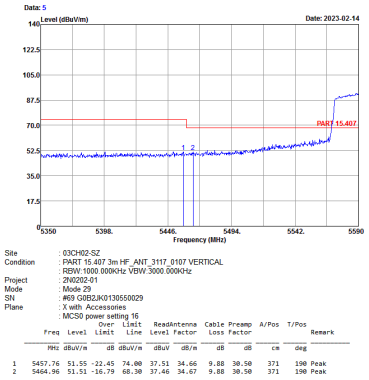
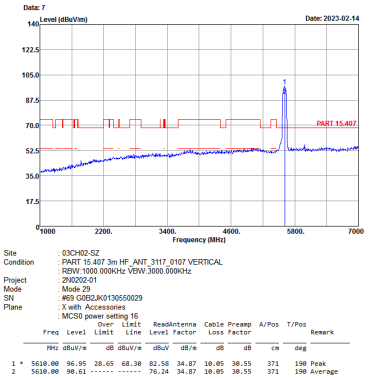
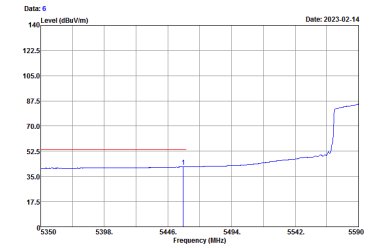
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL : RBW 1000.000KHz VBW 3000.000KHz Project : ZN0202-01 Mode : Mode 28 SN : #69 GIB2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5739.49 53.03 -15.27 68.30 38.40 35.09 10.14 30.60 239 253 Peak	Left blank

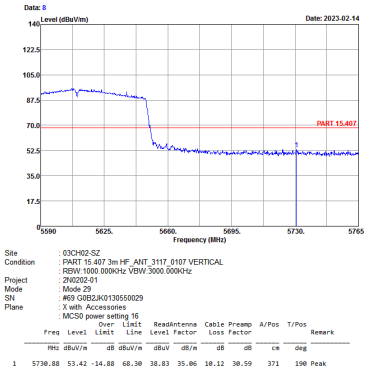
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz Project : ZN0202-01 Mode : Mode 28 SN : #69 GBBJK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq / Level / Limit / Over Limit / Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5459.68 53.85 -20.15 74.00 39.81 34.66 9.88 30.50 369 178 Peak 2 5469.52 53.82 -14.48 68.30 39.73 34.67 9.92 30.50 369 178 Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz Project : ZN0202-01 Mode : Mode 28 SN : #69 GBBJK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq / Level / Limit / Over Limit / Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 5530.00 98.76 30.46 68.30 84.57 34.73 9.97 30.51 369 178 Peak 2 5530.00 90.67 ------ ------ 76.48 34.73 9.97 30.51 369 178 Average
Avg.	 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:0.010KHz Project : ZN0202-01 Mode : Mode 28 SN : #69 GBBJK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq / Level / Limit / Over Limit / Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5458.00 43.86 -10.14 54.00 29.82 34.66 9.88 30.50 369 178 Average	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL : RBW: 1000.000KHz VBW: 3000.000KHz Project : ZN0202-01 Mode : Mode 28 SN : #69 GIB2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5731.93 52.83 -15.47 68.30 38.24 35.06 10.12 30.59 369 178 Peak	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

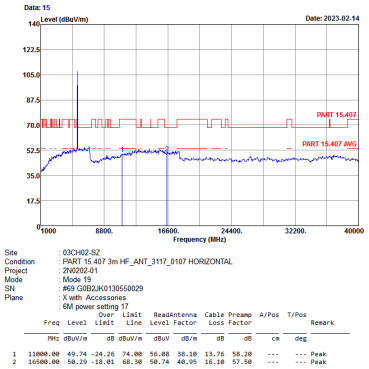
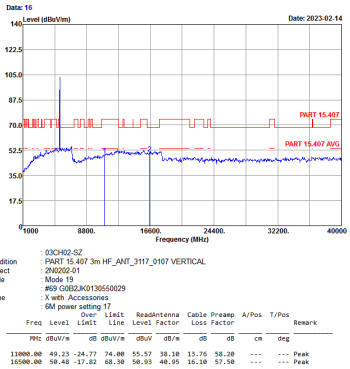
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL : RBW: 1000.000KHz VBW: 3000.000KHz Project : ZN0202-01 Mode : Mode 29 SN : #69 GIB2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5733.50 52.42 -15.88 68.30 37.83 35.06 10.12 30.59 234 261 Peak	Left blank

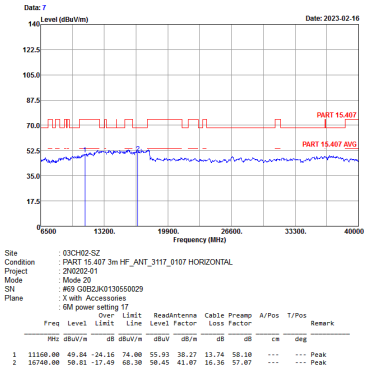
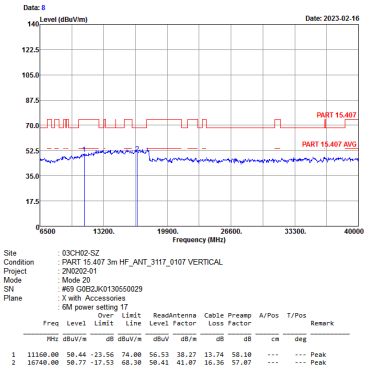
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz Project : ZN0202-01 Mode : Mode 29 SN : #69 GIB2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5457.76 51.55 -22.45 74.00 37.51 34.66 9.88 30.50 371 190 Peak 2 5464.96 51.51 -16.79 68.30 37.46 34.67 9.88 30.50 371 190 Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz Project : ZN0202-01 Mode : Mode 29 SN : #69 GIB2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 5610.00 96.95 28.65 68.30 82.58 34.87 10.05 30.55 371 190 Peak 2 5610.00 90.61 ------ ------ 76.24 34.87 10.05 30.55 371 190 Average
Avg.	 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:0.010KHz Project : ZN0202-01 Mode : Mode 29 SN : #69 GIB2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5457.52 41.60 -12.40 54.00 27.56 34.66 9.88 30.50 371 190 Average	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL : RBW: 1000.000KHz VBW: 3000.000KHz Project : ZN0202-01 Mode : Mode 29 SN : #69 GI82JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5730.88 53.42 -14.88 68.30 38.83 35.06 10.12 30.59 371 190 Peak	Left blank

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL Project : ZN0202-01 Mode : Mode 19 SN : #69 G0B2JK0130550029 Plane : X with Accessories : 6M power setting 17 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11000.00 49.74 -24.26 74.00 56.08 38.10 13.76 58.20 --- --- Peak 2 16500.00 50.29 -18.01 68.30 50.74 40.95 16.10 57.50 --- --- Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : ZN0202-01 Mode : Mode 19 SN : #69 G0B2JK0130550029 Plane : X with Accessories : 6M power setting 17 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11000.00 49.23 -24.77 74.00 55.57 38.10 13.76 58.20 --- --- Peak 2 16500.00 50.48 -17.82 68.30 50.93 40.95 16.10 57.50 --- --- Peak

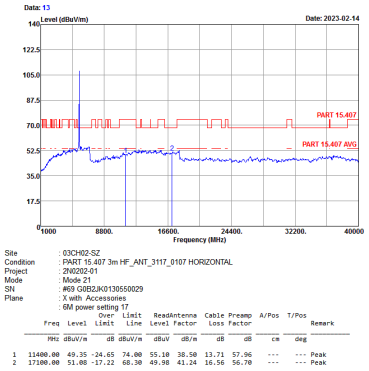
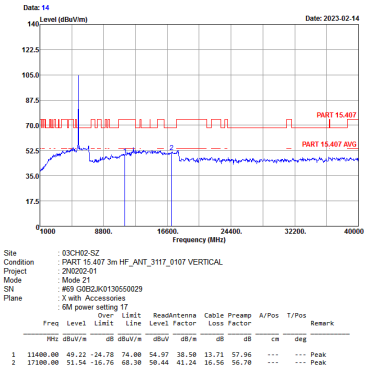
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.		

Site : 03CH02-SZ
Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL
Project : ZN0202-01
Mode : Mode 20
SN : #69 GB62JK0130550029
Plane : X with Accessories
: 6M power setting 17

	Freq	Level	Over Limit Line	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	11160.00	49.84	-24.16	74.00	55.93	38.27	13.74	58.10	---	--- Peak
2	16740.00	50.81	-17.49	68.30	50.45	41.07	16.36	57.07	---	--- Peak

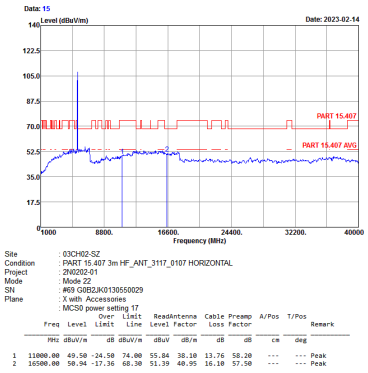
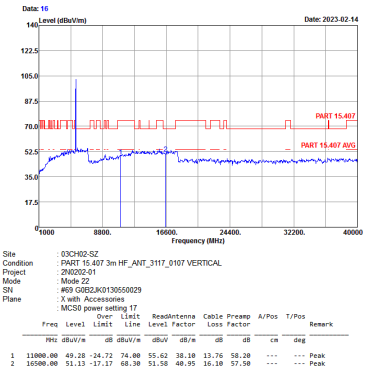
Site : 03CH02-SZ
Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL
Project : ZN0202-01
Mode : Mode 20
SN : #69 GB62JK0130550029
Plane : X with Accessories
: 6M power setting 17

	Freq	Level	Over Limit Line	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	11160.00	50.44	-23.56	74.00	56.53	38.27	13.74	58.10	---	--- Peak
2	16740.00	50.77	-17.53	68.30	50.41	41.07	16.36	57.07	---	--- Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 3 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

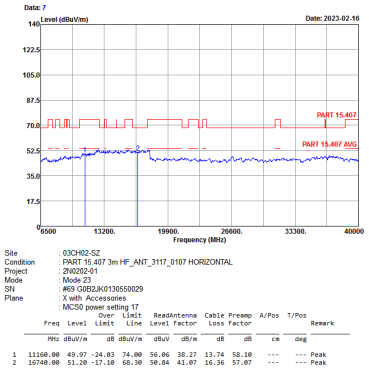
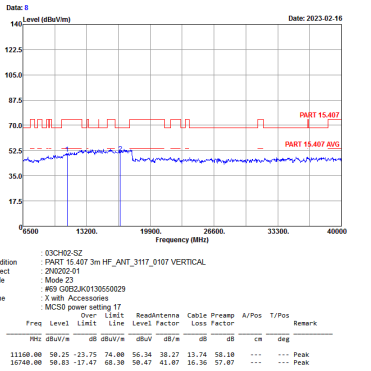
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

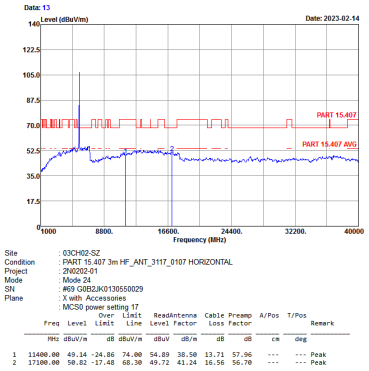
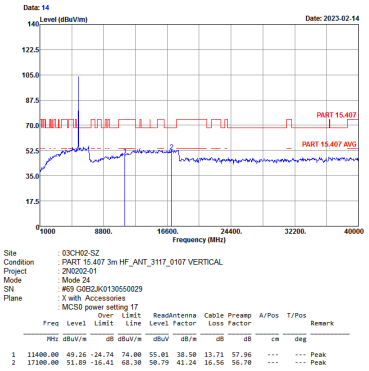
Site : 03CH02-SZ
Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL
Project : 2N0202-01
Mode : Mode 22
SN : #69 G0B2JK0130550029
Plane : X with Accessories
: MCS0 power setting 17

	Freq	Level	Over Limit Line	Limit	ReadAntenna Level Factor	Cable Preamp Loss Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	11000.00	49.50	-24.50	74.00	55.84	38.10	13.76	58.20	---	--- Peak
2	16500.00	50.94	-17.36	68.30	51.39	40.95	16.10	57.50	---	--- Peak

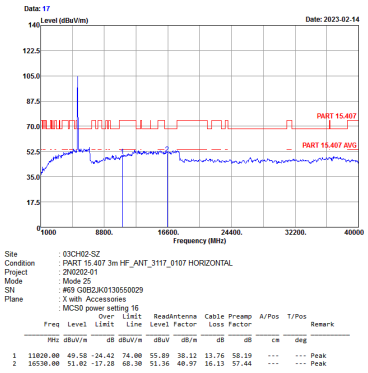
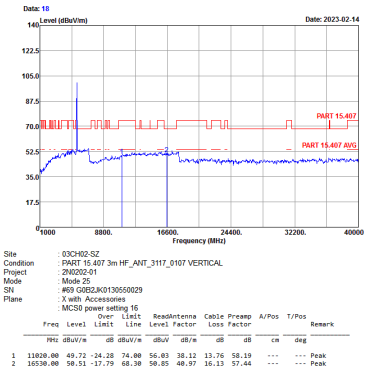
Site : 03CH02-SZ
Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL
Project : 2N0202-01
Mode : Mode 22
SN : #69 G0B2JK0130550029
Plane : X with Accessories
: MCS0 power setting 17

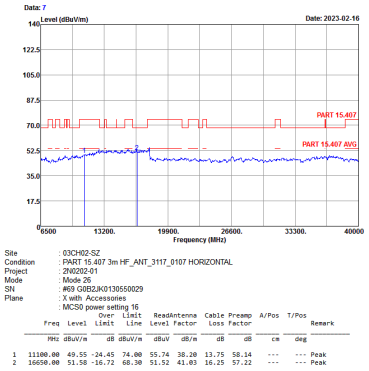
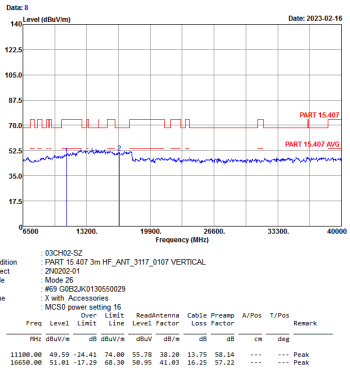
	Freq	Level	Over Limit Line	Limit	ReadAntenna Level Factor	Cable Preamp Loss Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	11000.00	49.28	-24.72	74.00	55.62	38.10	13.76	58.20	---	--- Peak
2	16500.00	51.13	-17.17	68.30	51.58	40.95	16.10	57.50	---	--- Peak

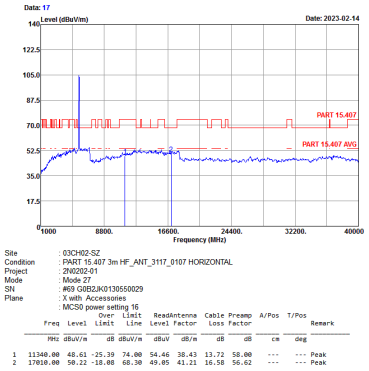
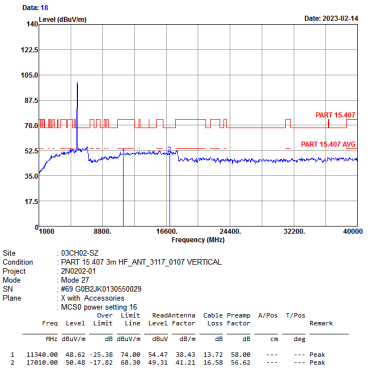
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL Project : ZN0202-01 Mode : Mode 23 SN : #69 GB62JK0130550029 Plane : X with Accessories : MCS0 power setting 17 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11160.00 49.97 -24.03 74.00 56.06 38.27 13.74 58.10 --- --- Peak 2 16740.00 51.20 -17.10 68.30 50.84 41.07 16.36 57.07 --- --- Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : ZN0202-01 Mode : Mode 23 SN : #69 GB62JK0130550029 Plane : X with Accessories : MCS0 power setting 17 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11160.00 50.25 -23.75 74.00 56.34 38.27 13.74 58.10 --- --- Peak 2 16740.00 50.83 -17.47 68.30 50.47 41.07 16.36 57.07 --- --- Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL Project : ZN0202-01 Mode : Mode 24 SN : #69 GB62JK0130550029 Plane : X with Accessories : MCS0 power setting 17 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Preamp Loss Factor / A/Pos / T/Pos / Remark 1 11400.00 49.14 -24.86 74.00 54.89 38.50 13.71 57.96 --- --- Peak 2 17100.00 50.82 -17.48 68.30 49.72 41.24 16.56 56.70 --- --- Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : ZN0202-01 Mode : Mode 24 SN : #69 GB62JK0130550029 Plane : X with Accessories : MCS0 power setting 17 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Preamp Loss Factor / A/Pos / T/Pos / Remark 1 11400.00 49.26 -24.74 74.00 55.01 38.50 13.71 57.96 --- --- Peak 2 17100.00 51.89 -16.41 68.30 50.79 41.24 16.56 56.70 --- --- Peak

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

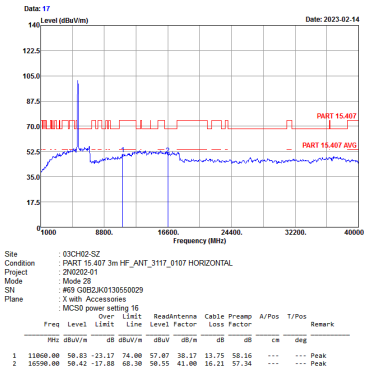
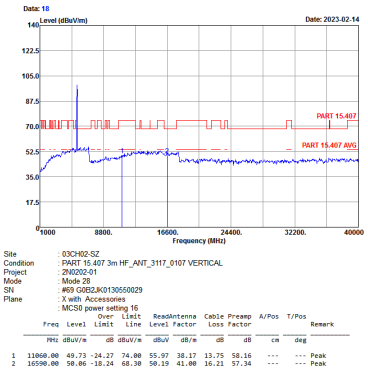
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.		

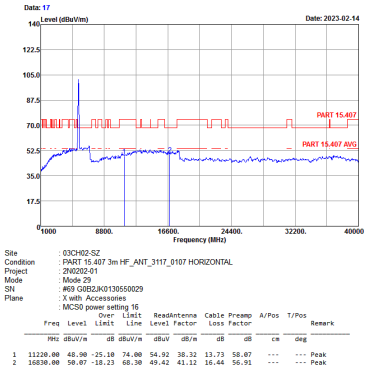
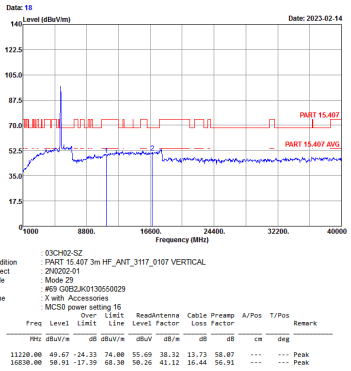
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL Project : ZN0202-01 Mode : Mode 26 SN : #69 G0B2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Preamp Factor / A/Pos / T/Pos / Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11100.00 49.55 -24.45 74.00 55.74 38.20 13.75 58.14 --- --- Peak 2 16650.00 51.58 -16.72 68.30 51.52 41.03 16.25 57.22 --- --- Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : ZN0202-01 Mode : Mode 26 SN : #69 G0B2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Preamp Factor / A/Pos / T/Pos / Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 11100.00 49.59 -24.41 74.00 55.78 38.20 13.75 58.14 --- --- Peak 2 16650.00 51.01 -17.29 68.30 50.95 41.03 16.25 57.22 --- --- Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL Project : ZN0202-01 Mode : Mode 27 SN : #69 GB62JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 11340.00 48.61 -25.39 74.00 54.46 38.43 13.72 58.00 --- --- Peak 2 17010.00 50.22 -18.08 68.30 49.05 41.21 16.58 56.62 --- --- Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL Project : ZN0202-01 Mode : Mode 27 SN : #69 GB62JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp Factor / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 11340.00 48.62 -25.38 74.00 54.47 38.43 13.72 58.00 --- --- Peak 2 17010.00 50.48 -17.82 68.30 49.31 41.21 16.58 56.62 --- --- Peak

Band 3 5470~5725MHz

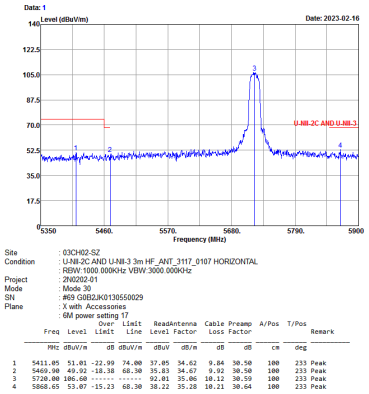
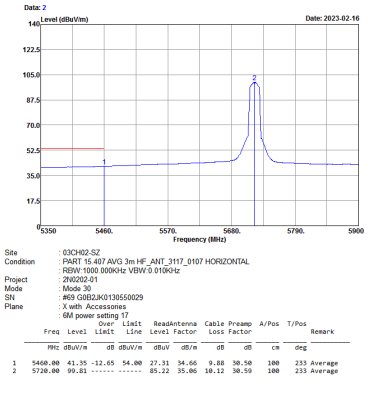
WIFI 802.11ac VHT80 (Harmonic @ 3m)

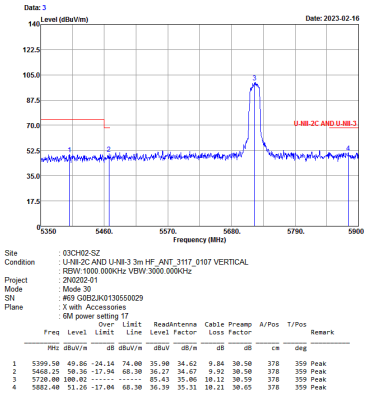
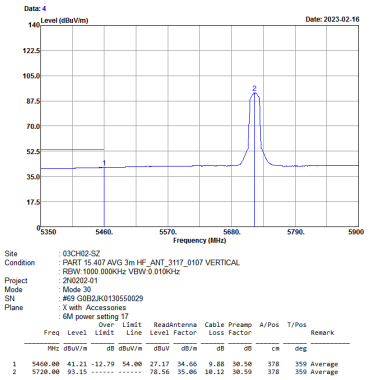
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1	Horizontal	Vertical
Peak Avg.		

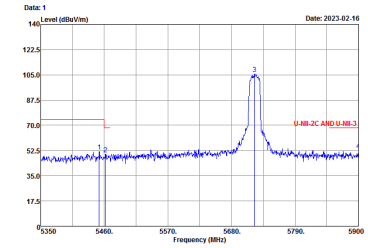
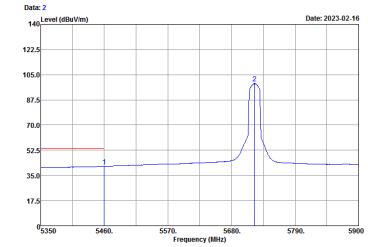
Band 3 - Straddle Channel

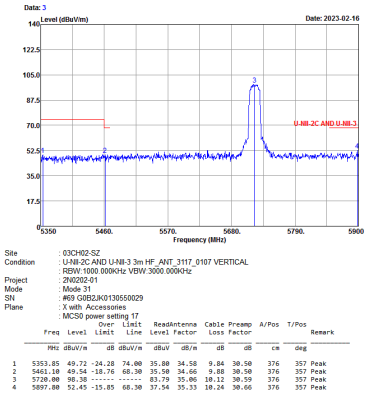
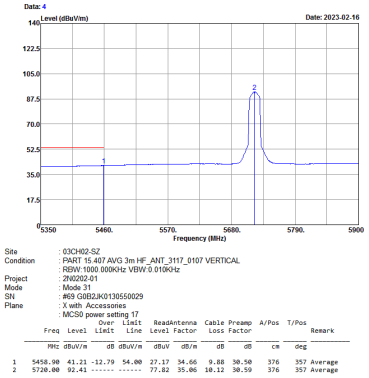
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

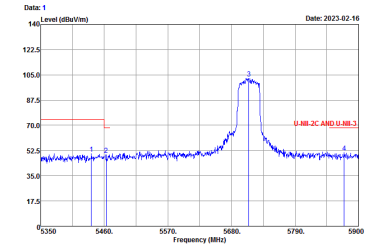
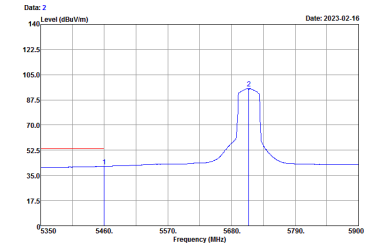
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

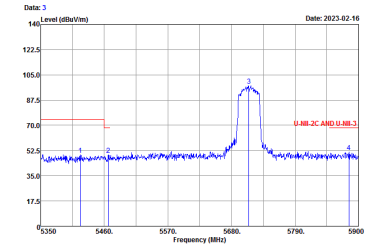
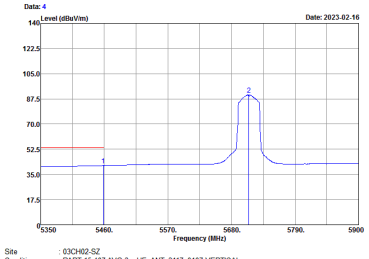
Band 3 – Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH02-SZ Condition : U-NII-2C AND U-NII-3 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz Project : ZN0202-01 Mode : Mode 31 SN : #69 G0B2JK0130550029 Plane : X with Accessories : MCS0 power setting 17 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5451.20 51.90 -22.10 74.00 37.86 34.66 9.88 30.50 100 234 Peak 2 5461.65 49.95 -18.35 68.30 35.91 34.66 9.88 30.50 100 234 Peak 3 5720.00 105.79 ------ ------ 91.20 35.06 10.12 30.59 100 234 Peak 4 5900.00 52.61 -15.69 68.30 37.70 35.33 10.24 30.66 100 234 Peak	Left blank
Avg.	 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz Project : ZN0202-01 Mode : Mode 31 SN : #69 G0B2JK0130550029 Plane : X with Accessories : MCS0 power setting 17 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5460.00 41.33 -12.67 54.00 27.29 34.66 9.88 30.50 100 234 Average 2 5720.00 99.10 ------ ------ 84.51 35.06 10.12 30.59 100 234 Average	Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - L	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

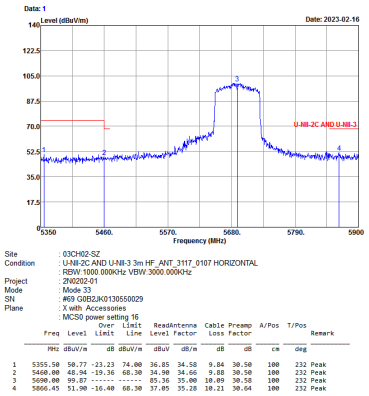
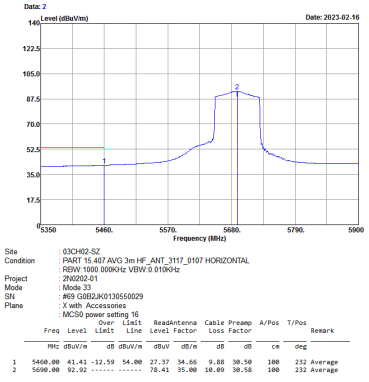
Band 3 – Straddle Channel
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH142 5710MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH02-SZ Condition : U-NII-2C AND U-NII-3 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz Project : ZN0202-01 Mode : Mode 32 SN : #69 G0B2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5437.45 50.40 -23.60 74.00 36.37 34.65 9.88 30.50 100 233 Peak 2 5463.30 49.71 -18.59 68.30 35.66 34.67 9.88 30.50 100 233 Peak 3 5710.00 102.75 ----- ------ 88.18 35.03 10.12 30.58 100 233 Peak 4 5875.25 50.93 -17.37 68.30 36.06 35.31 10.21 30.65 100 233 Peak	
Avg.	 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz Project : ZN0202-01 Mode : Mode 32 SN : #69 G0B2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq / Level / Over Limit / Limit Line / ReadAntenna Level Factor / Cable Loss Factor / Preamp / A/Pos / T/Pos / Remark MHz / dBuV/m / dB / dBuV/m / dBuV / dB/m / dB / dB / cm / deg 1 5460.00 41.33 -12.67 54.00 27.29 34.66 9.88 30.50 100 233 Average 2 5710.00 95.71 ----- ------ 81.14 35.03 10.12 30.58 100 233 Average	Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH142 5710MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH02-SZ Condition : U-NII-2C AND U-NII-3 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz Project : ZN0202-01 Mode : Mode 32 SN : #69 G8B2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5418.75 49.50 -24.50 74.00 35.53 34.63 9.84 30.50 379 354 Peak 2 5467.15 49.52 -18.78 68.30 35.43 34.67 9.92 30.50 379 354 Peak 3 5710.00 97.56 ------ ------ 82.99 35.03 10.12 30.58 379 354 Peak 4 5883.50 51.28 -17.02 68.30 36.41 35.31 10.21 30.65 379 354 Peak	Left blank
Avg.	 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:0.010KHz Project : ZN0202-01 Mode : Mode 32 SN : #69 G8B2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5458.35 41.19 -12.81 54.00 27.15 34.66 9.88 30.50 379 354 Average 2 5710.00 90.38 ------ ------ 75.81 35.03 10.12 30.58 379 354 Average	Left blank

Band 3 – Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

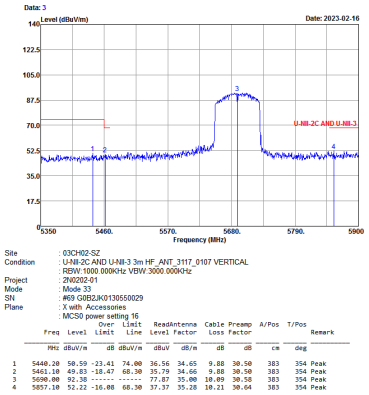
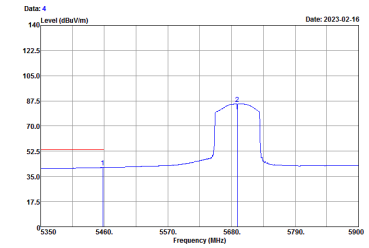
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac CH138 5690MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

Site : 03CH02-SZ
Condition : U-NII-2C AND U-NII-3 3m HF_ANT_3117_0107 HORIZONTAL
: RBW:1000.000KHz VBW:3000.000KHz
Project : 2N0202-01
Mode : Mode 33
SN : #69 G0B2JK0130550029
Plane : X with Accessories
: MCS0 power setting 16

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	5355.50	50.77	-23.23	74.00	36.85	34.58	9.84	100	232	Peak
2	5460.00	48.94	-19.36	68.30	34.90	34.66	9.88	100	232	Peak
3	5690.00	99.87	-----	-----	85.36	35.00	10.89	100	232	Peak
4	5866.45	51.90	-16.40	68.30	37.05	35.28	10.21	100	232	Peak

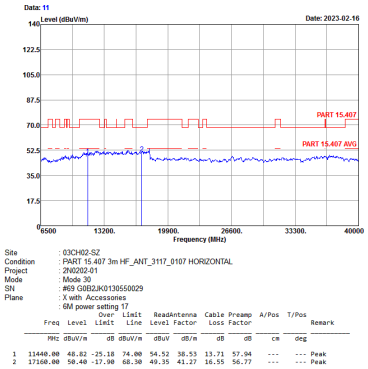
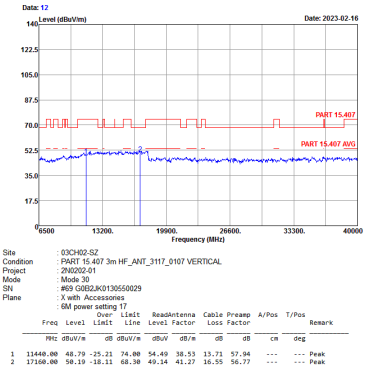
Site : 03CH02-SZ
Condition : PART 15.407 AVG 3m HF_ANT_3117_0107 HORIZONTAL
: RBW:1000.000KHz VBW:0.010KHz
Project : 2N0202-01
Mode : Mode 33
SN : #69 G0B2JK0130550029
Plane : X with Accessories
: MCS0 power setting 16

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	5460.00	41.41	-12.59	54.00	27.37	34.66	9.88	100	232	Average
2	5690.00	92.92	-----	-----	78.41	35.00	10.89	100	232	Average

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac CH138 5690MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH02-SZ Condition : U-NII-2C AND U-NII-3 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz Project : ZN0202-01 Mode : Mode 33 SN : #69 G0B2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5440.20 50.59 -23.41 74.00 36.56 34.65 9.88 30.50 383 354 Peak 2 5461.10 49.83 -18.47 68.30 35.79 34.66 9.88 30.50 383 354 Peak 3 5690.00 92.38 ------ ------ 77.87 35.00 10.09 30.58 383 354 Peak 4 5857.10 52.22 -16.08 68.30 37.37 35.28 10.21 30.64 383 354 Peak	Left blank
Avg.	 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:0.010KHz Project : ZN0202-01 Mode : Mode 33 SN : #69 G0B2JK0130550029 Plane : X with Accessories : MCS0 power setting 16 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5457.25 41.18 -12.82 54.00 27.14 34.66 9.88 30.50 383 354 Average 2 5690.00 85.56 ------ ------ 71.05 35.00 10.09 30.58 383 354 Average	Left blank

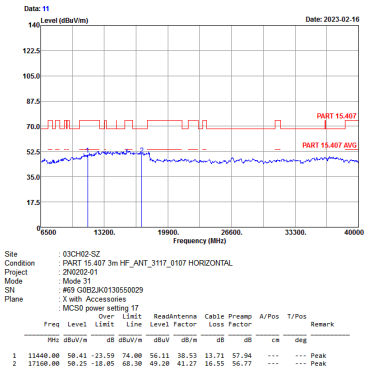
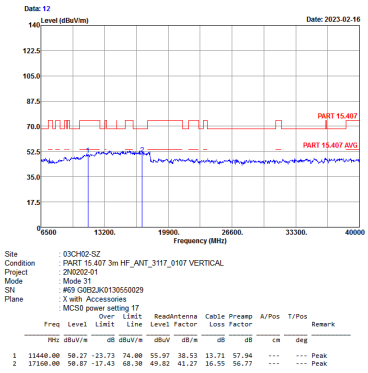
Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 3 – Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.		

Site : 03CH02-SZ
Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL
Project : ZN0202-01
Mode : Mode 31
SN : #69 G0B2JK0130550029
Plane : X with Accessories
: MCS0 power setting 17

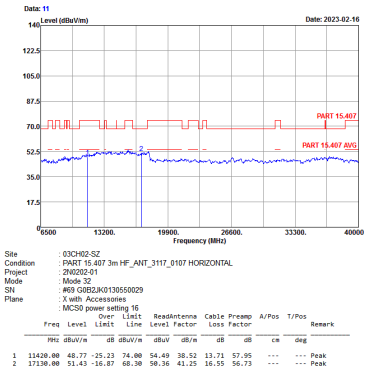
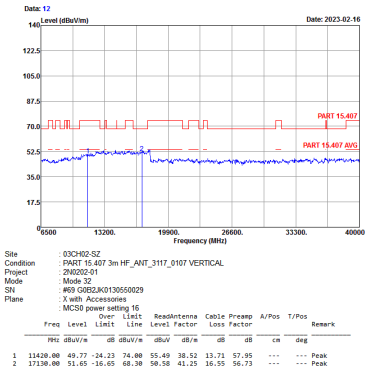
	Freq	Level	Over Limit Line	Limit	ReadAntenna Level	Factor	Cable Preamp Loss	Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11440.00	50.41	-23.59	74.00	56.11	38.53	13.71	57.94	---	---	Peak
2	17160.00	50.25	-18.05	68.30	49.20	41.27	16.55	56.77	---	---	Peak

Site : 03CH02-SZ
Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL
Project : ZN0202-01
Mode : Mode 31
SN : #69 G0B2JK0130550029
Plane : X with Accessories
: MCS0 power setting 17

	Freq	Level	Over Limit Line	Limit	ReadAntenna Level	Factor	Cable Preamp Loss	Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11440.00	50.27	-23.73	74.00	55.97	38.53	13.71	57.94	---	---	Peak
2	17160.00	50.87	-17.43	68.30	49.82	41.27	16.55	56.77	---	---	Peak

Band 3 – Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.		

Site : 03CH02-SZ
Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL
Project : 2N0202-01
Mode : Mode 32
SN : #69 G0B2JK0130550029
Plane : X with Accessories
: MCS0 power setting 16

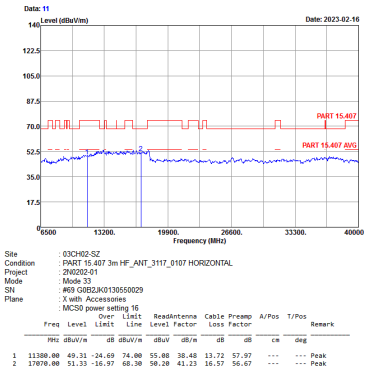
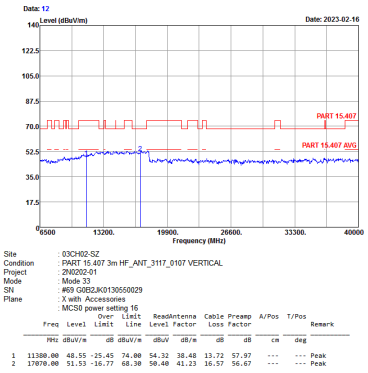
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Preamp Factor Loss	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11420.00	48.77	-25.23	74.00	54.49	38.52	13.71	57.95	---	---	Peak
2	17130.00	51.43	-16.87	68.30	50.36	41.25	16.55	56.73	---	---	Peak

Site : 03CH02-SZ
Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL
Project : 2N0202-01
Mode : Mode 32
SN : #69 G0B2JK0130550029
Plane : X with Accessories
: MCS0 power setting 16

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Preamp Factor Loss	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11420.00	49.77	-24.23	74.00	55.49	38.52	13.71	57.95	---	---	Peak
2	17130.00	51.65	-16.65	68.30	50.58	41.25	16.55	56.73	---	---	Peak

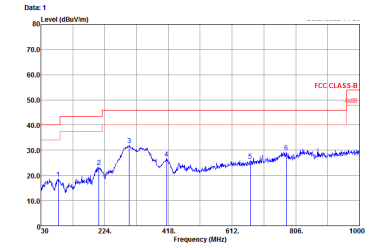
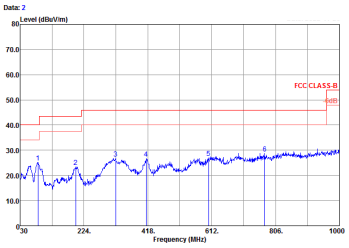
Band 3 – Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF)

WIFI	5GHz WIFI	
ANT	802.11ac VHT80 LF	
1	Horizontal	Vertical
QP / Peak		

Site : 03CH02-SZ
Condition : FCC CLASS-B 3m VULB9168-01003 HORIZONTAL
: RBW:120.000KHz VBW:300.000KHz
Project : 2N0202-01
Mode : Mode 9
SN : #69 G8B2JK0130550029
Plane : X with Accessories
: MCS0 power setting 15.5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	82.38	18.70	-21.30	40.00	36.76	14.73	1.93	---	---	Peak
2	206.54	23.45	-20.05	43.50	39.16	16.20	2.79	---	---	Peak
3	298.69	32.07	-13.93	46.00	44.37	19.09	3.21	---	---	Peak
4	413.15	26.64	-19.36	46.00	36.02	21.77	3.35	---	---	Peak
5	667.29	25.94	-20.06	46.00	30.18	26.54	3.69	---	---	Peak
6	776.90	29.29	-16.71	46.00	31.83	27.72	4.09	---	---	Peak

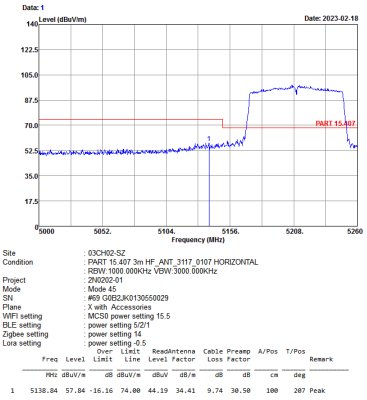
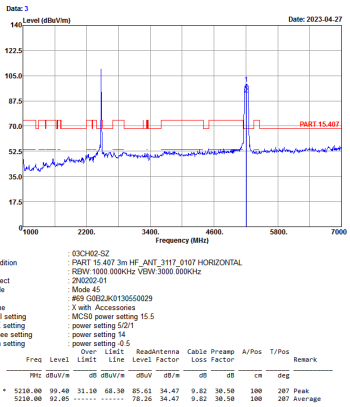
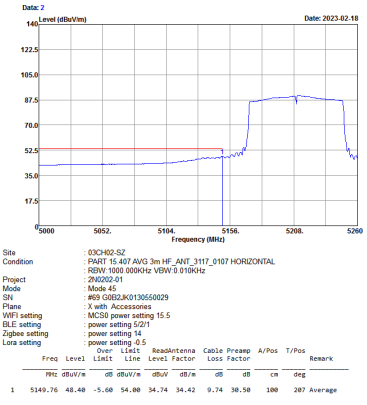
Site : 03CH02-SZ
Condition : FCC CLASS-B 3m VULB9168-01003 VERTICAL
: RBW:120.000KHz VBW:300.000KHz
Project : 2N0202-01
Mode : Mode 9
SN : #69 G8B2JK0130550029
Plane : X with Accessories
: MCS0 power setting 15.5

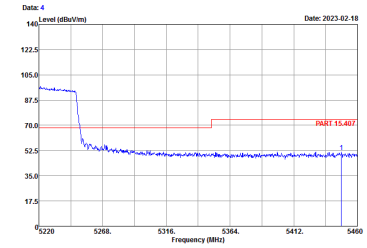
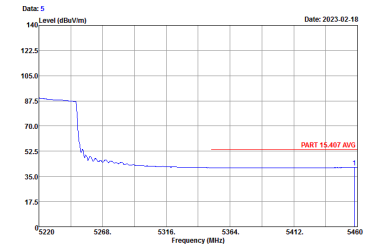
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Loss	A/Pos Factor	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	84.32	25.24	-14.76	40.00	43.57	14.47	1.94	---	---	Peak
2	198.78	23.49	-20.01	43.50	39.40	16.05	2.74	---	---	Peak
3	330.03	26.81	-19.19	46.00	38.55	19.56	3.30	---	---	Peak
4	413.15	26.69	-19.31	46.00	36.07	21.77	3.35	---	---	Peak
5	602.30	26.95	-19.05	46.00	31.86	26.10	3.59	---	---	Peak
6	773.02	28.01	-17.19	46.00	31.42	27.71	4.03	---	---	Peak

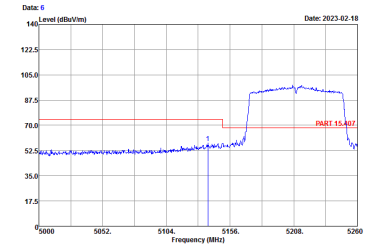
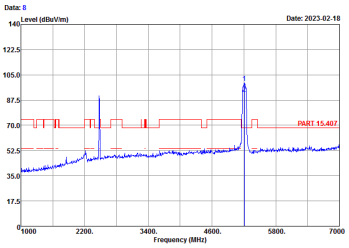
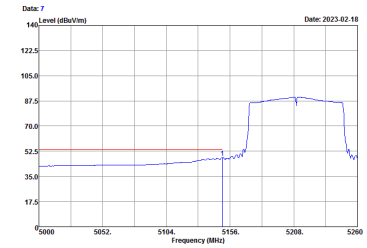
Co-location

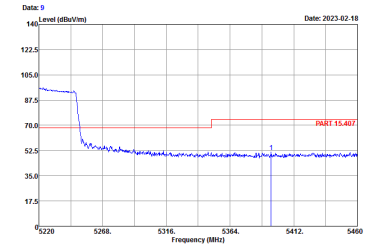
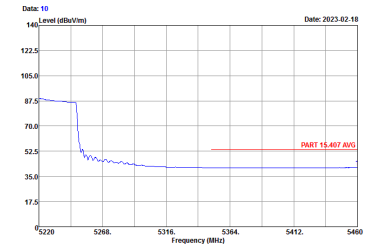
LoRa(DTS) SF 7 CH31&802.11ac80 CH42&BLE CH39& Zigbee CH25

WIFI 11ac80 CH42 (Band Edge @ 3m)

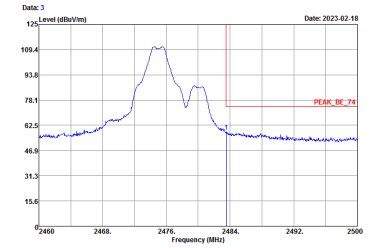
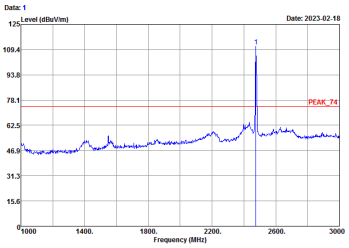
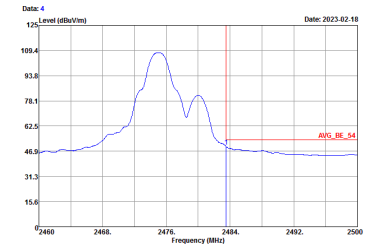
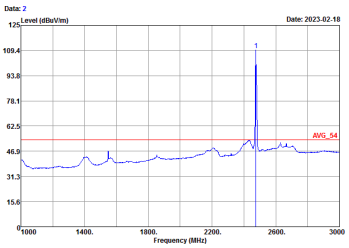
	5GHz 5150~5250MHz Band Edge @ 3m	
	LoRa(DTS) SF 7 CH31&802.11ac80 CH42&BLE CH39& Zigbee CH25 Co-location	
	Horizontal	Fundamental
Peak		
Avg.		

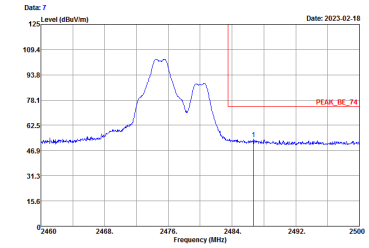
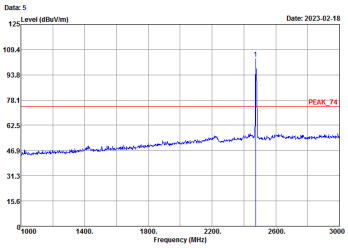
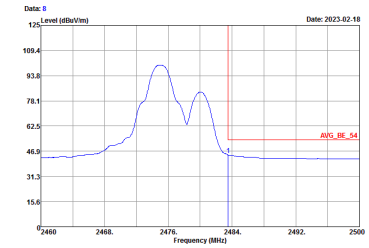
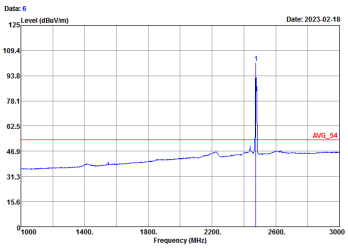
	5GHz 5150~5250MHz Band Edge @ 3m	
	LoRa(DTS) SF 7 CH31&802.11ac80 CH42&BLE CH39& Zigbee CH25 Co-location	
	Horizontal	Fundamental
Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5447.76 51.44 -22.56 74.00 37.40 34.66 9.88 30.50 100 207 Peak	
Avg.	 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5457.84 41.26 -12.74 54.00 27.22 34.66 9.88 30.50 100 207 Average	

	5GHz 5150~5250MHz Band Edge @ 3m	
	LoRa(DTS) SF 7 CH31&802.11ac80 CH42&BLE CH39& Zigbee CH25 Co-location	
	Vertical	Fundamental
Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit Line ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5137.80 57.76 -16.24 74.00 44.11 34.41 9.74 30.50 100 213 Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit Line ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 5210.00 99.39 31.09 68.30 85.60 34.47 9.82 30.50 100 213 Peak 2 5210.00 92.85 ------ ------ 78.26 34.47 9.82 30.50 100 213 Average
Avg.	 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:0.010KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit Line ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5149.76 48.14 -5.86 54.00 34.48 34.42 9.74 30.50 100 213 Average	

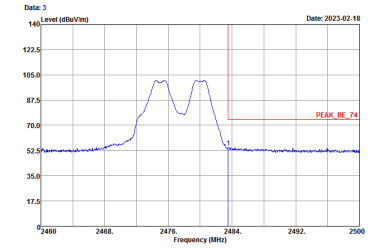
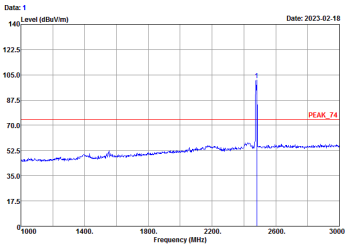
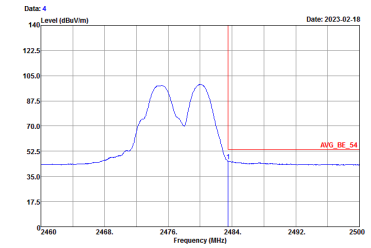
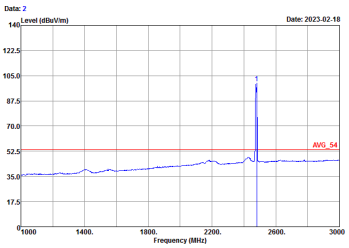
	5GHz 5150~5250MHz Band Edge @ 3m	
	LoRa(DTS) SF 7 CH31&802.11ac80 CH42&BLE CH39& Zigbee CH25 Co-location	
	Vertical	Fundamental
Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5394.96 51.63 -22.37 74.00 37.67 34.62 9.84 30.50 100 213 Peak	
Avg.	 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:0.010KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 5460.00 41.27 -12.73 54.00 27.23 34.66 9.88 30.50 100 213 Average	

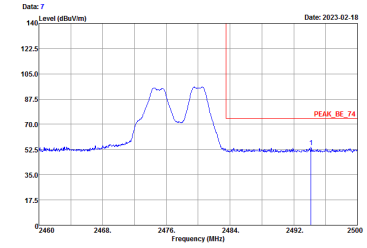
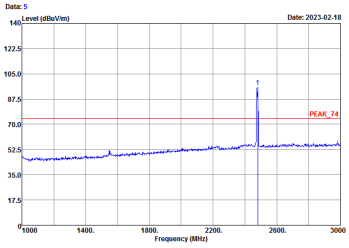
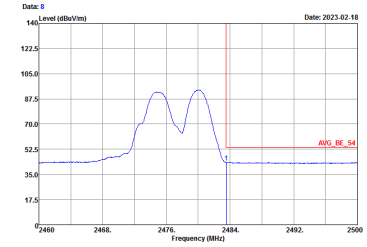
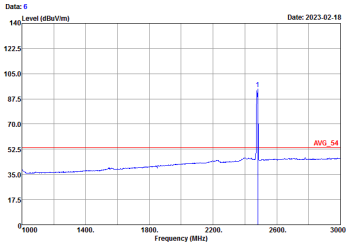
Zigbee CH25 (Band Edge @ 3m)

	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	LoRa(DTS) SF 7 CH31&802.11ac80 CH42&BLE CH39& Zigbee CH25 Co-location	
	Horizontal	Fundamental
Peak	 Site : 03CH02-SZ Condition : PEAK_BE_74 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit Line ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2483.56 58.48 -15.52 74.00 51.12 32.39 6.53 31.56 154 197 Peak	 Site : 03CH02-SZ Condition : PEAK_74 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit Line ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 2475.00 111.43 37.43 74.00 104.07 32.39 6.53 31.56 154 197 Peak
Avg.	 Site : 03CH02-SZ Condition : AVG_BE_54 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit Line ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2483.52 49.74 -4.26 54.00 42.38 32.39 6.53 31.56 154 197 Average	 Site : 03CH02-SZ Condition : AVG_54 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit Line ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 2475.00 109.53 55.53 54.00 102.17 32.39 6.53 31.56 154 197 Average

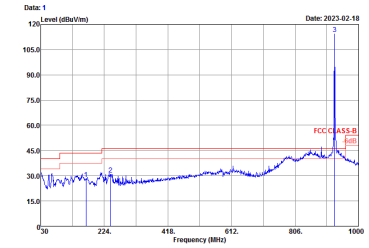
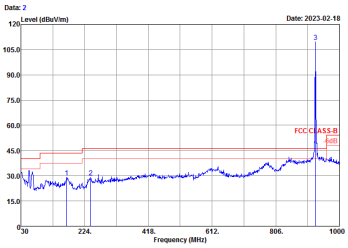
	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	LoRa(DTS) SF 7 CH31&802.11ac80 CH42&BLE CH39& Zigbee CH25 Co-location	
	Vertical	Fundamental
Peak	 Site : 03CH02-SZ Condition : PEAK_BE_74 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2486.68 53.90 -20.10 74.00 46.54 32.39 6.53 31.56 339 242 Peak	 Site : 03CH02-SZ Condition : PEAK_74 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 2474.00 103.62 29.62 74.00 96.26 32.39 6.53 31.56 339 242 Peak
Avg.	 Site : 03CH02-SZ Condition : AVG_BE_54 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:0.010KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2483.52 44.48 -9.52 54.00 37.12 32.39 6.53 31.56 339 242 Average	 Site : 03CH02-SZ Condition : AVG_54 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:0.010KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 2475.00 101.73 47.73 54.00 94.37 32.39 6.53 31.56 339 242 Average

BLE CH39 (Band Edge @ 3m)

	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	LoRa(DTS) SF 7 CH31&802.11ac80 CH42&BLE CH39& Zigbee CH25 Co-location	
	Horizontal	Fundamental
Peak	 Site : 03CH02-SZ Condition : PEAK_BE_74 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2483.52 54.67 -19.33 74.00 47.31 32.39 6.53 31.56 180 108 Peak	 Site : 03CH02-SZ Condition : PEAK_74 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 2480.00 101.38 27.38 74.00 94.02 32.39 6.53 31.56 180 108 Peak
Avg.	 Site : 03CH02-SZ Condition : AVG_BE_54 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2483.52 45.54 -8.46 54.00 38.18 32.39 6.53 31.56 180 108 Average	 Site : 03CH02-SZ Condition : AVG_54 3m HF_ANT_3117_0107 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 2480.00 99.83 45.83 54.00 92.47 32.39 6.53 31.56 180 108 Average

	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	LoRa(DTS) SF 7 CH31&802.11ac80 CH42&BLE CH39& Zigbee CH25 Co-location	
	Vertical	Fundamental
Peak	 Site : 03CH02-SZ Condition : PEAK_BE_74 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2494.16 54.07 -19.93 74.00 46.64 32.40 6.53 31.50 331 67 Peak	 Site : 03CH02-SZ Condition : PEAK_74 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 2480.00 96.06 22.06 74.00 88.70 32.39 6.53 31.56 331 67 Peak
Avg.	 Site : 03CH02-SZ Condition : AVG_BE_54 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:1.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 2483.56 43.43 -10.57 54.00 36.07 32.39 6.53 31.56 331 67 Average	 Site : 03CH02-SZ Condition : AVG_54 3m HF_ANT_3117_0107 VERTICAL : RBW:1000.000KHz VBW:1.000KHz Project : 2N0202-01 Mode : Mode 45 SN : #69 G0B2JK0130550029 Plane : X with Accessories WIFI setting : MCS0 power setting 15.5 BLE setting : power setting 5/2/1 Zigbee setting : power setting 14 Lora setting : power setting -0.5 Freq Level Over Limit Limit ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 * 2480.00 94.53 40.53 54.00 87.17 32.39 6.53 31.56 331 67 Average

LoRa (Band Edge @ 3m)

LoRa	902.5~926.5 Band Edge @ 3m	
ANT	LoRa(DTS) SF 7 CH31&802.11ac80 CH42&BLE CH39& Zigbee CH25 Co-location	
	Horizontal	Vertical
Peak		

Site : 03CH02-SZ
Condition : FCC CLASS-B 3m LF_ANT_41909_22 HORIZONTAL
Project : ZN0202-01
Mode : Mode 45
SN : #69 GB62JK0130550029
Plane : X with Accessories
WIFI setting : MCS0 power setting 15.5
BLE setting : power setting 5/2/1
Zigbee setting : power setting 14
Lora setting : power setting -0.5

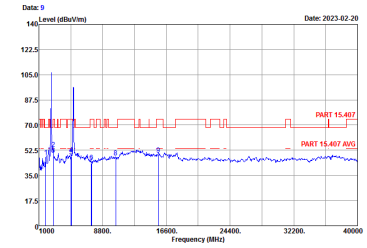
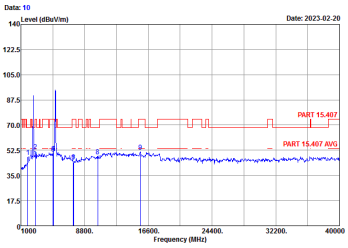
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	167.730	28.18	-15.32	43.50	41.86	16.36	1.32	31.36	---	--- Peak
2	242.420	30.71	-15.29	46.00	42.19	18.12	1.62	31.22	---	--- Peak
3 *	926.500	114.20	68.20	46.00	111.64	30.30	3.20	30.94	---	--- Peak

Site : 03CH02-SZ
Condition : FCC CLASS-B 3m LF_ANT_41909_22 VERTICAL
Project : ZN0202-01
Mode : Mode 45
SN : #69 GB62JK0130550029
Plane : X with Accessories
WIFI setting : MCS0 power setting 15.5
BLE setting : power setting 5/2/1
Zigbee setting : power setting 14
Lora setting : power setting -0.5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	168.700	29.04	-14.46	43.50	42.75	16.33	1.32	31.36	---	--- Peak
2	242.410	29.00	-17.00	46.00	40.48	18.12	1.62	31.22	---	--- Peak
3 *	926.500	109.78	63.78	46.00	107.22	30.30	3.20	30.94	---	--- Peak

LoRa(DTS) SF 7 CH31&802.11ac80 CH42&BLE CH39& Zigbee CH25

Harmonic (Harmonic @ 3m)

	Band 1 5150~5250MHz Harmonic @ 3m	
	LoRa(DTS) SF 7 CH31&802.11ac80 CH42&BLE CH39& Zigbee CH25 Co-location	
	Horizontal	Vertical
Peak Avg.		

Site : 03CH02-SZ
Condition : PART 15.407 3m HF_ANT_3117_0107 HORIZONTAL
Project : ZN0202-01
Mode : Mode 45
SN : #69 G0B2JK0130550029
Plane : X with Accessories
WIFI setting : MCS0 power setting 15.5
BLE setting : power setting 5/2/1
Zigbee setting : power setting 14
Lora setting : power setting -0.5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	1853.00	47.80	-20.50	68.30	44.01	31.09	5.48	32.78	---	--- Peak
2	2779.50	53.32	-20.68	74.00	44.98	32.97	7.10	31.73	128	263 Peak
3	2779.50	49.59	-4.41	54.00	41.25	32.97	7.10	31.73	128	263 Average
4	4950.00	50.03	-23.97	74.00	36.68	34.33	9.56	30.54	---	--- Peak
5	4960.00	48.52	-25.48	74.00	35.13	34.32	9.59	30.52	---	--- Peak
6	7425.00	44.29	-29.71	74.00	56.85	35.96	11.29	59.81	---	--- Peak
7	7440.00	43.28	-30.72	74.00	55.91	35.94	11.29	59.86	---	--- Peak
8	10420.00	47.61	-20.69	68.30	56.82	37.65	13.51	60.37	---	--- Peak
9	15630.00	49.55	-24.45	74.00	52.18	40.59	15.56	58.78	---	--- Peak

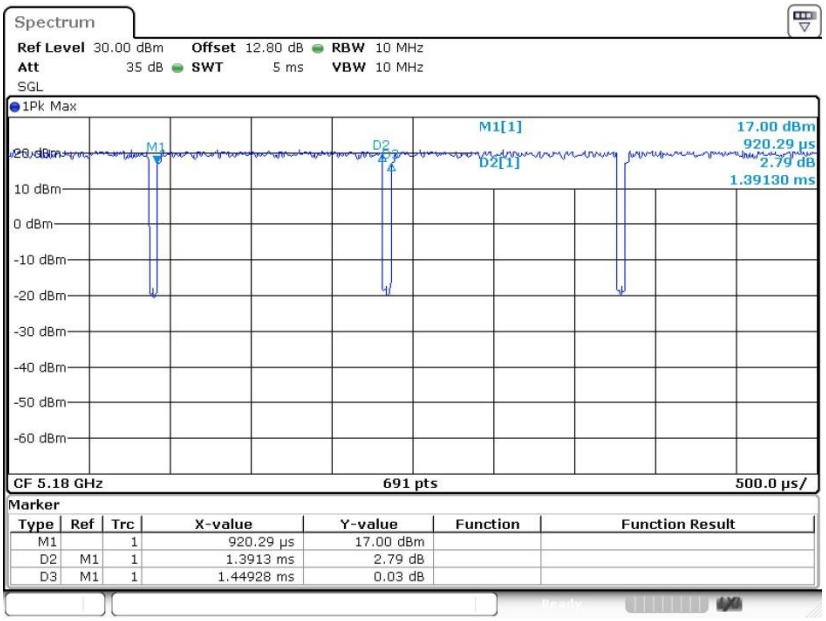
Site : 03CH02-SZ
Condition : PART 15.407 3m HF_ANT_3117_0107 VERTICAL
Project : ZN0202-01
Mode : Mode 45
SN : #69 G0B2JK0130550029
Plane : X with Accessories
WIFI setting : MCS0 power setting 15.5
BLE setting : power setting 5/2/1
Zigbee setting : power setting 14
Lora setting : power setting -0.5

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Factor	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg	
1	1853.00	47.89	-20.41	68.30	44.10	31.09	5.48	32.78	---	--- Peak
2	2779.50	51.97	-22.03	74.00	43.63	32.97	7.10	31.73	152	275 Peak
3	2779.50	46.63	-7.37	54.00	38.29	32.97	7.10	31.73	152	275 Average
4	4950.00	50.60	-23.40	74.00	37.25	34.33	9.56	30.54	---	--- Peak
5	4960.00	50.35	-23.65	74.00	36.96	34.32	9.59	30.52	---	--- Peak
6	7425.00	44.87	-29.13	74.00	57.43	35.96	11.29	59.81	---	--- Peak
7	7440.00	43.95	-30.05	74.00	56.58	35.94	11.29	59.86	---	--- Peak
8	10420.00	48.40	-19.90	68.30	57.61	37.65	13.51	60.37	---	--- Peak
9	15630.00	51.33	-22.67	74.00	53.96	40.59	15.56	58.78	---	--- Peak

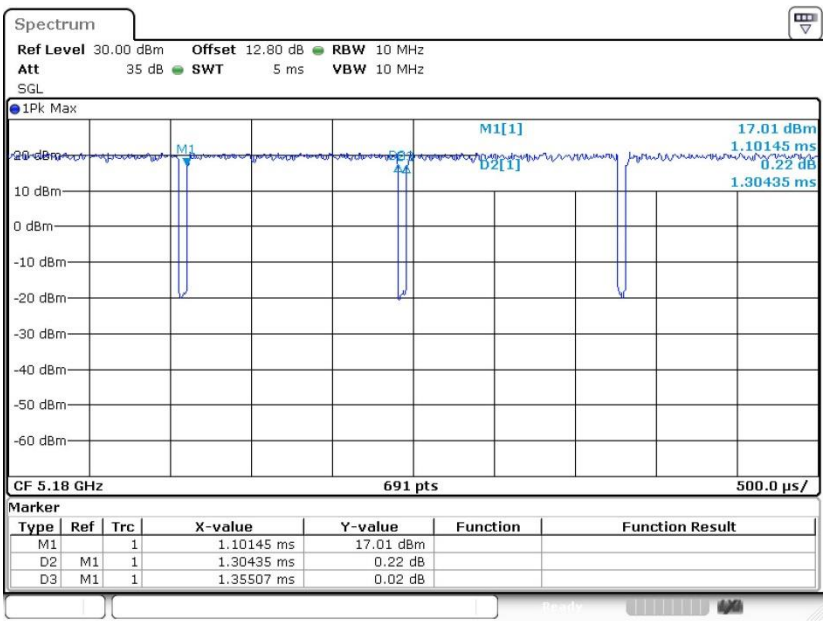
Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	96.00	1.391	0.719	1KHz
802.11n HT20	96.26	1.304	0.767	1KHz
802.11n HT40	92.77	0.651	1.537	3KHz
802.11ac VHT80	86.15	0.325	3.080	10KHZ

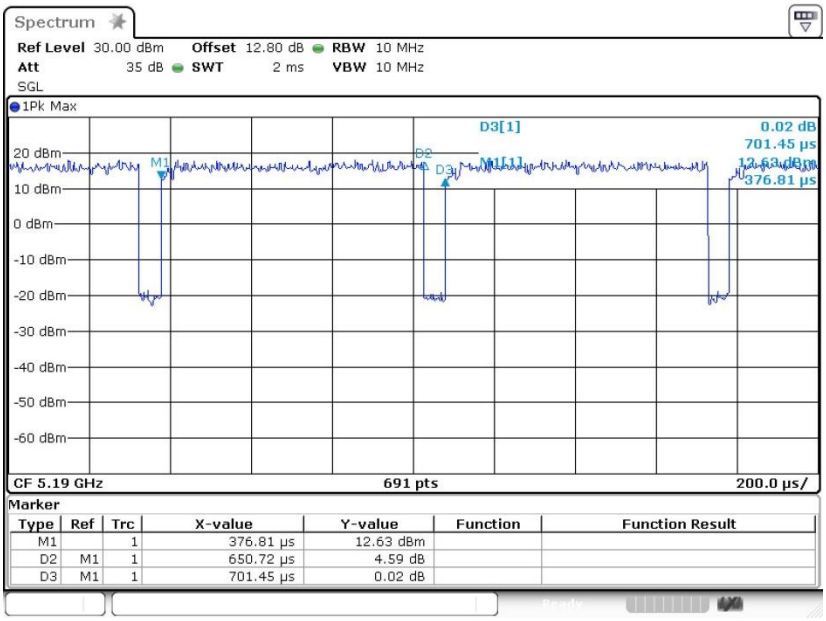
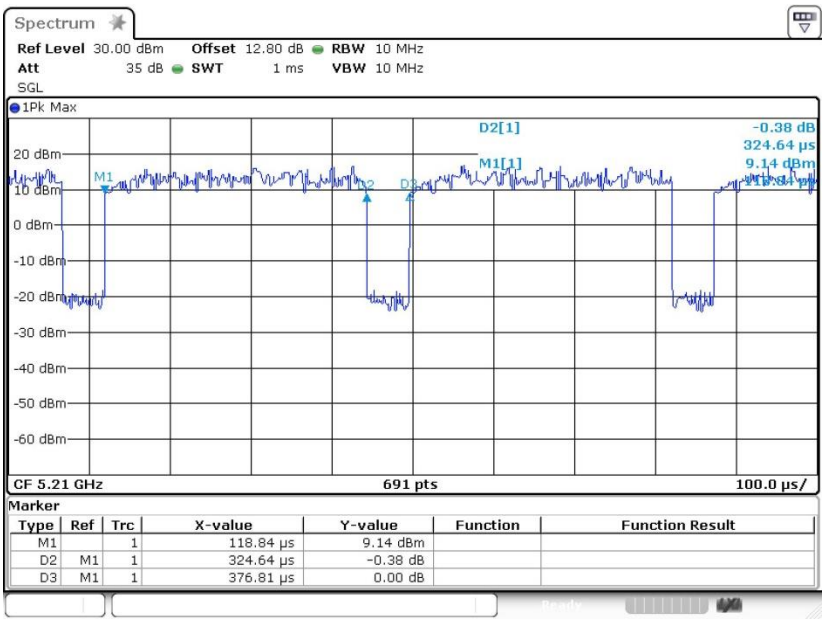
802.11a



802.11n HT20



802.11n HT40



802.11ac VHT80