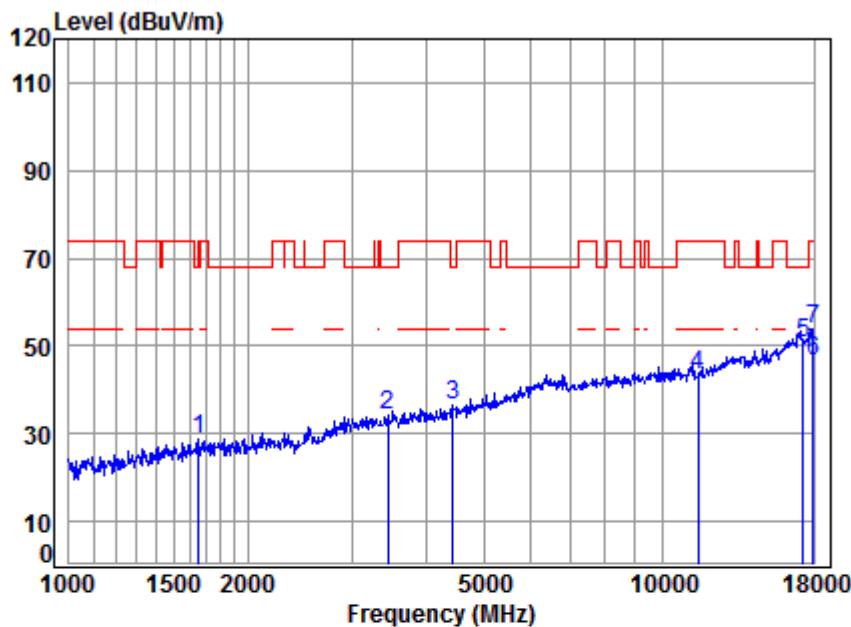
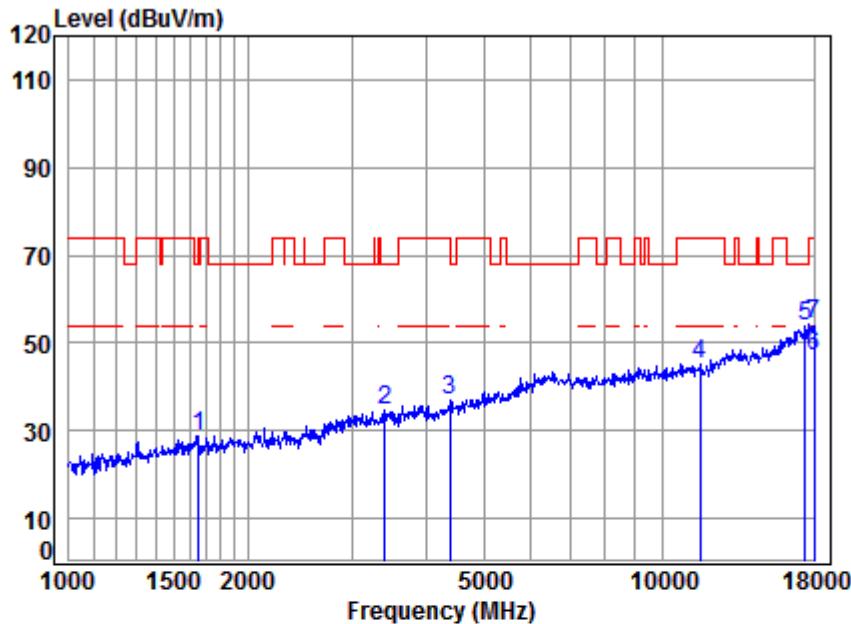


**4.8.2.65 11N40\_151 \_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5755 TX RSE  
Note : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

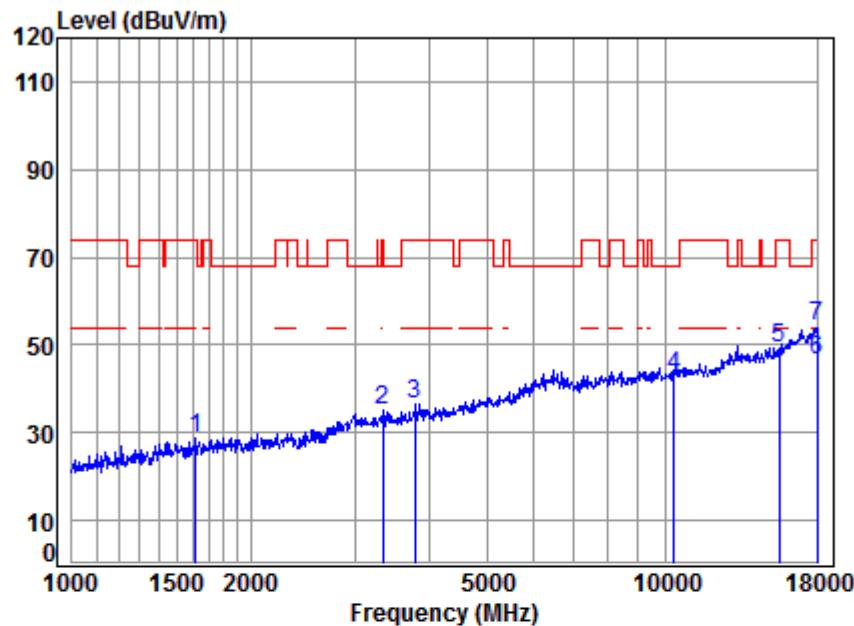
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1653.550	5.28	26.48	40.80	37.65	28.61	68.20	-39.59 peak
2	3445.535	6.41	31.62	42.05	38.25	34.23	68.20	-33.97 peak
3	4443.453	7.50	33.50	43.25	38.82	36.57	68.20	-31.63 peak
4	11510.000	12.14	37.90	38.49	31.92	43.47	74.00	-30.53 peak
5	17265.000	16.12	42.76	40.31	32.18	50.75	68.20	-17.45 peak
6	17948.050	16.08	43.44	40.21	27.30	46.61	54.00	-7.39 Average
7	17948.050	16.08	43.44	40.21	34.59	53.90	74.00	-20.10 peak

**4.8.2.66 11N40\_159 \_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5795 TX RSE  
Note : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1653.550	5.28	26.48	40.80	37.83	28.79	68.20	-39.41 peak
2	3405.929	6.38	31.56	42.00	38.61	34.55	68.20	-33.65 peak
3	4379.699	7.43	33.39	43.18	39.27	36.91	74.00	-37.09 peak
4	11590.000	12.17	37.86	38.53	33.77	45.27	74.00	-28.73 peak
5	17385.000	15.85	42.83	40.30	35.27	53.65	68.20	-14.55 peak
6	18000.000	16.13	43.50	40.20	27.50	46.93	54.00	-7.07 Average
7	18000.000	16.13	43.50	40.20	34.76	54.19	74.00	-19.81 peak

**4.8.2.67 11AC20\_36\_Verical**

Site : chamber

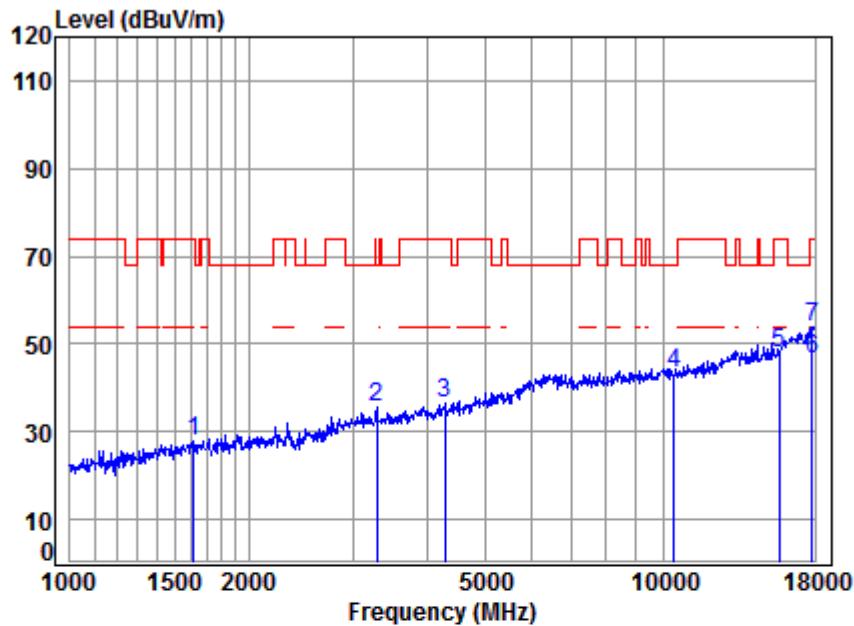
Condition: 3m VERTICAL

Job No : C0005

Mode : 5180 TX RSE

Note : 5G WIFI 11AC20

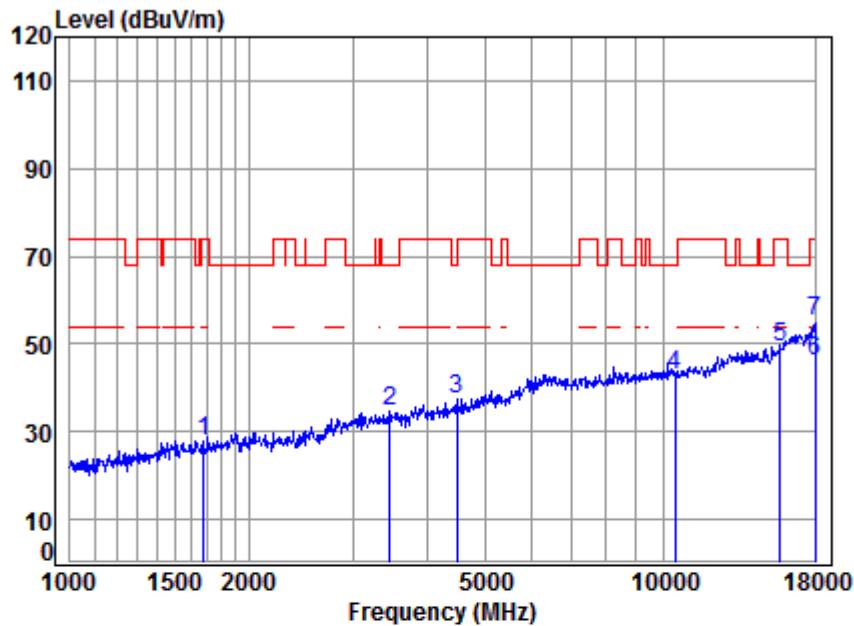
		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Over Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1615.754	5.33	26.32	40.78	37.68	37.68	28.55	74.00	-45.45	peak
2	3337.710	6.31	31.45	41.90	39.50	39.50	35.36	74.00	-38.64	peak
3	3790.361	6.77	32.30	42.50	39.89	39.89	36.46	74.00	-37.54	peak
4	10360.000	11.19	37.76	37.97	31.76	31.76	42.74	68.20	-25.46	peak
5	15540.000	14.30	40.72	40.60	34.66	34.66	49.08	74.00	-24.92	peak
6	18000.000	16.13	43.50	40.20	27.07	27.07	46.50	54.00	-7.50	Average
7	18000.000	16.13	43.50	40.20	34.66	34.66	54.09	74.00	-19.91	peak

**4.8.2.68 11AC20\_44\_Verical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5220 TX RSE  
Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

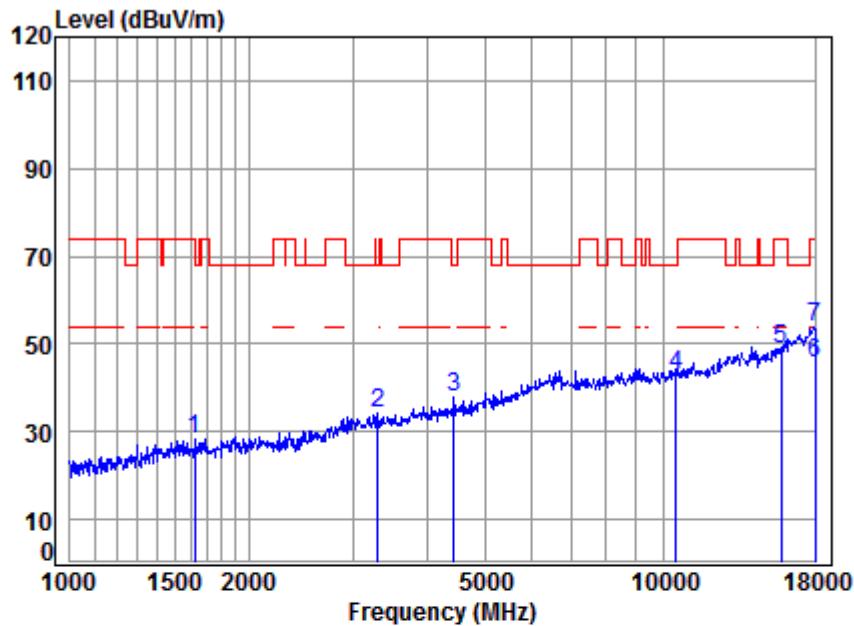
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
Freq	Loss	Factor	Factor	Level	Level	Level	Line	Limit	Remark
1	1615.754	5.33	26.32	40.78	37.01	27.88	74.00	-46.12	peak
2	3289.821	6.27	31.38	41.83	39.56	35.38	68.20	-32.82	peak
3	4291.977	7.33	33.24	43.08	39.23	36.72	74.00	-37.28	peak
4	10440.000	11.25	37.72	38.01	32.17	43.13	68.20	-25.07	peak
5	15660.000	14.48	40.80	40.58	33.13	47.83	74.00	-26.17	peak
6	17844.590	15.97	43.32	40.22	27.29	46.36	54.00	-7.64	Average
7	17844.590	15.97	43.32	40.22	34.81	53.88	74.00	-20.12	peak

**4.8.2.69 11AC20\_48\_Verical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5240 TX RSE  
Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

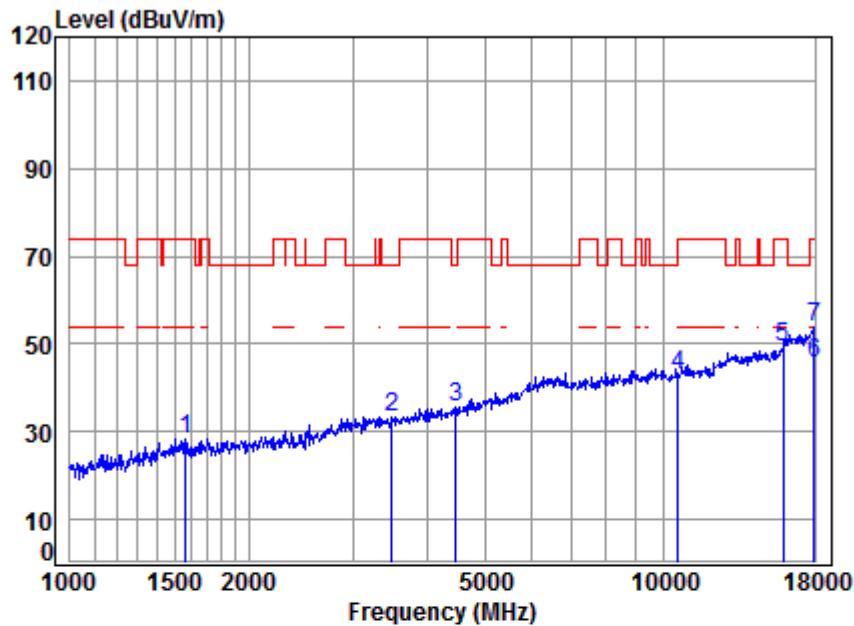
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
1	1677.621	5.25	26.58	40.82	36.87	27.88	74.00	-46.12 peak
2	3465.510	6.43	31.65	42.08	38.90	34.90	68.20	-33.30 peak
3	4482.150	7.54	33.57	43.29	39.60	37.42	68.20	-30.78 peak
4	10480.000	11.28	37.71	38.03	32.02	42.98	68.20	-25.22 peak
5	15720.000	14.57	40.83	40.57	34.65	49.48	74.00	-24.52 peak
6	18000.000	16.13	43.50	40.20	26.81	46.24	54.00	-7.76 Average
7	18000.000	16.13	43.50	40.20	36.00	55.43	74.00	-18.57 peak

**4.8.2.70 11AC20\_52\_Verical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5260 TX RSE  
Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
Freq	Loss	Factor	Factor	Level	Level	Level	Line	Limit	Remark
1	1620.431	5.32	26.34	40.78	37.27	28.15	74.00	-45.85	peak
2	3299.344	6.28	31.39	41.85	38.62	34.44	68.20	-33.76	peak
3	4430.628	7.48	33.48	43.23	39.99	37.72	68.20	-30.48	peak
4	10520.000	11.30	37.70	38.05	31.75	42.70	68.20	-25.50	peak
5	15780.000	14.66	40.87	40.56	33.82	48.79	74.00	-25.21	peak
6	18000.000	16.13	43.50	40.20	26.25	45.68	54.00	-8.32	Average
7	18000.000	16.13	43.50	40.20	34.41	53.84	74.00	-20.16	peak

**4.8.2.71 11AC20\_60\_Verical**

Site : chamber

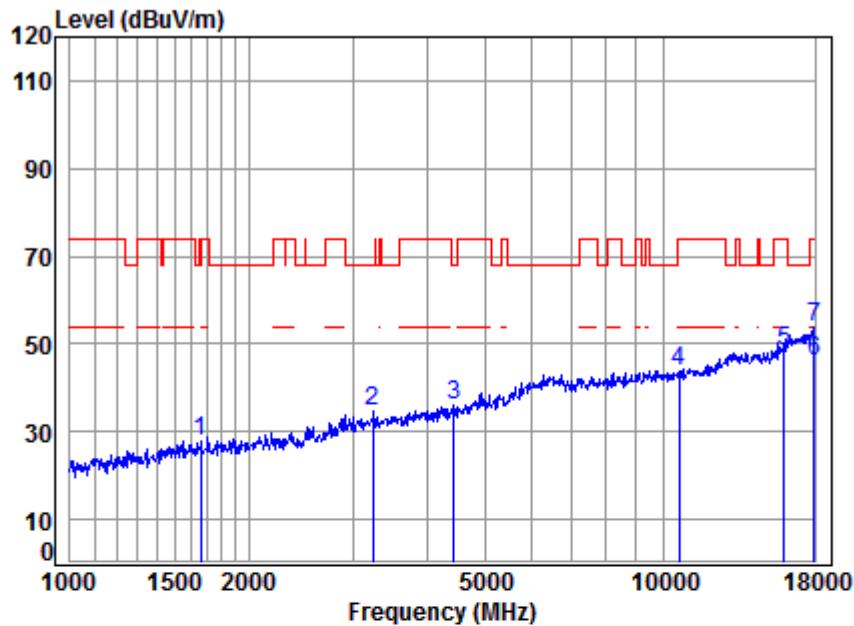
Condition: 3m VERTICAL

Job No : C0005

Mode : 5300 TX RSE

Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Over Remark
				Level			
1 1565.191	5.39	26.10	40.75	37.65	28.39	74.00	-45.61 peak
2 3485.601	6.45	31.68	42.10	37.30	33.33	68.20	-34.87 peak
3 4469.214	7.53	33.55	43.27	37.64	35.45	68.20	-32.75 peak
4 10600.000	11.36	37.72	38.09	31.95	42.94	68.20	-25.26 peak
5 15900.000	14.84	40.94	40.54	34.20	49.44	74.00	-24.56 peak
6 17948.050	16.08	43.44	40.21	26.21	45.52	54.00	-8.48 Average
7 17948.050	16.08	43.44	40.21	34.37	53.68	74.00	-20.32 peak

**4.8.2.72 11AC20\_64\_Verical**

Site : chamber

Condition: 3m VERTICAL

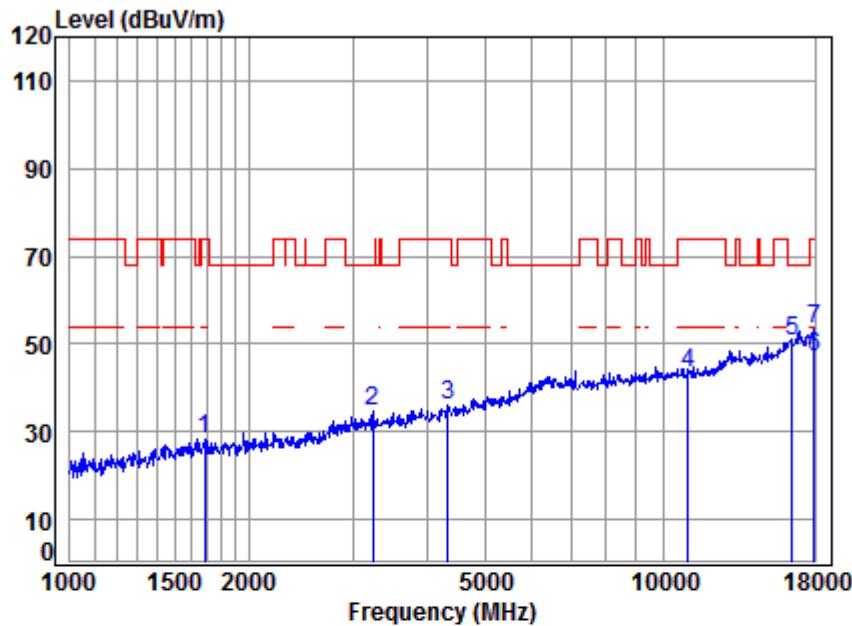
Job No : C0005

Mode : 5320 TX RSE

Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
Freq	Loss	Factor	Factor	Level	Level	Level	Line	Limit	Remark
1	1663.137	5.27	26.52	40.81	37.01	27.99	74.00	-46.01	peak
2	3242.619	6.22	31.30	41.77	38.79	34.54	68.20	-33.66	peak
3	4443.453	7.50	33.50	43.25	38.16	35.91	68.20	-32.29	peak
4	10640.000	11.39	37.73	38.11	32.66	43.67	74.00	-30.33	peak
5	15960.000	14.93	40.98	40.53	33.07	48.45	74.00	-25.55	peak
6	17948.050	16.08	43.44	40.21	26.79	46.10	54.00	-7.90	Average
7	17948.050	16.08	43.44	40.21	34.39	53.70	74.00	-20.30	peak

**4.8.2.73 11AC20\_100\_Ver**

Site : chamber

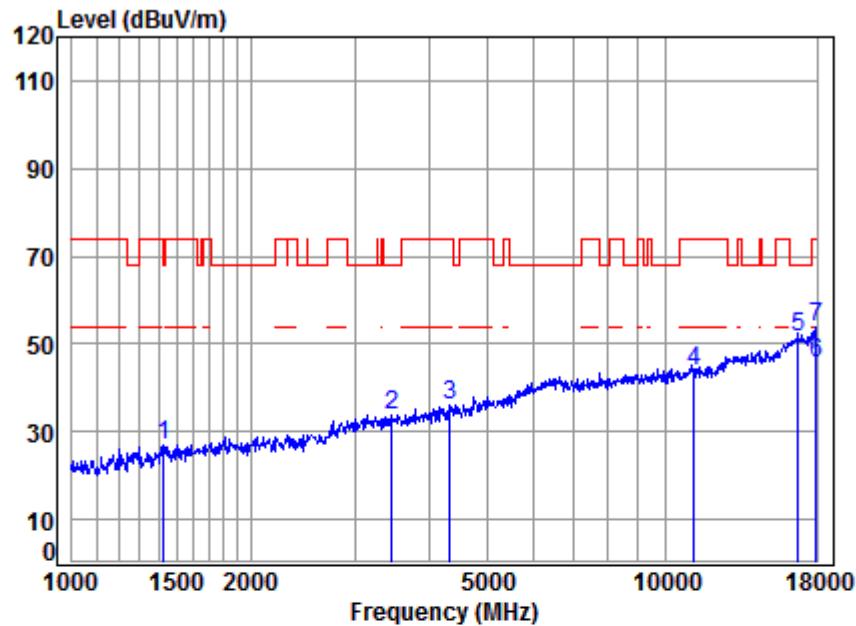
Condition: 3m VERTICAL

Job No : C0005

Mode : 5500 TX RSE

Note : 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1687.347	5.24	26.62	40.82	37.18	28.22	74.00	-45.78	peak
2	3242.619	6.22	31.30	41.77	38.78	34.53	68.20	-33.67	peak
3	4341.886	7.38	33.33	43.14	38.64	36.21	74.00	-37.79	peak
4	11000.000	11.63	37.80	38.27	31.99	43.15	74.00	-30.85	peak
5	16500.000	14.50	42.20	40.44	34.21	50.47	68.20	-17.73	peak
6	17948.050	16.08	43.44	40.21	27.62	46.93	54.00	-7.07	Average
7	17948.050	16.08	43.44	40.21	34.21	53.52	74.00	-20.48	peak

**4.8.2.74 11AC20\_116\_Verical**

Site : chamber

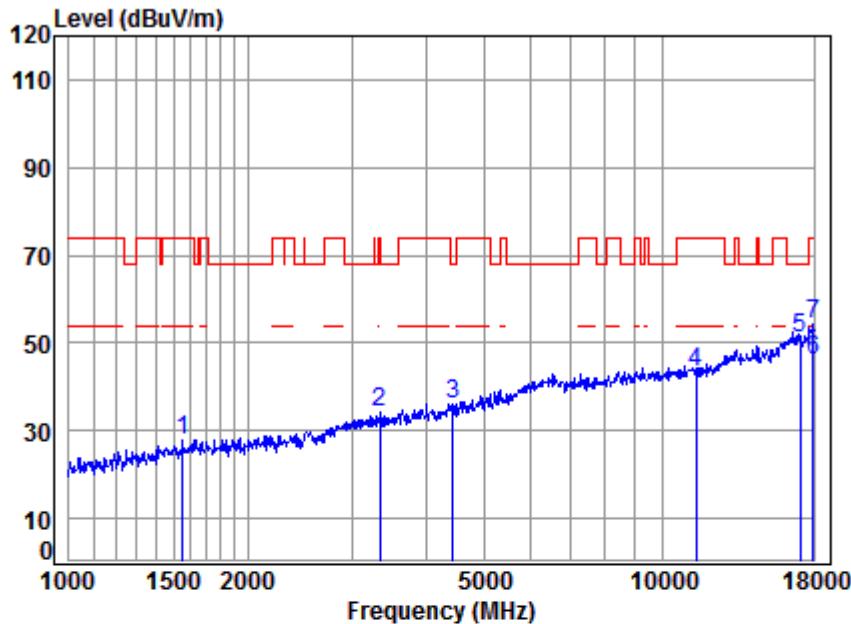
Condition: 3m VERTICAL

Job No : C0005

Mode : 5580 TX RSE

Note : 5G WIFI 11AC20

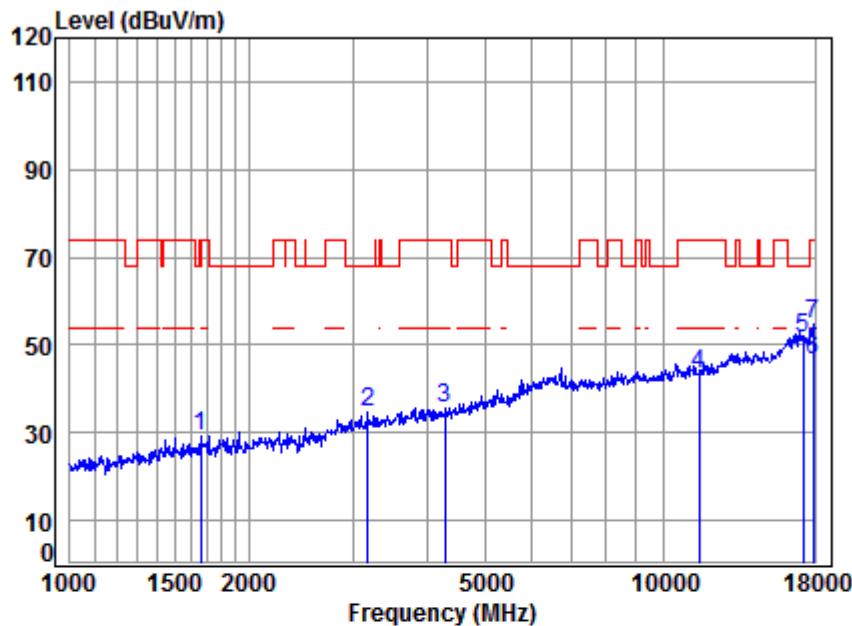
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 1426.916	5.24	25.53	40.66	37.03	27.14	74.00	-46.86	peak
2 3465.510	6.43	31.65	42.08	37.59	33.59	68.20	-34.61	peak
3 4341.886	7.38	33.33	43.14	38.30	35.87	74.00	-38.13	peak
4 11160.000	11.80	37.83	38.34	32.32	43.61	74.00	-30.39	peak
5 16740.000	15.57	42.39	40.40	33.82	51.38	68.20	-16.82	peak
6 17948.050	16.08	43.44	40.21	26.48	45.79	54.00	-8.21	Average
7 17948.050	16.08	43.44	40.21	34.71	54.02	74.00	-19.98	peak

**4.8.2.75 11AC20\_140 \_Vertical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5700 TX RSE  
Note : 5G WIFI 11AC20

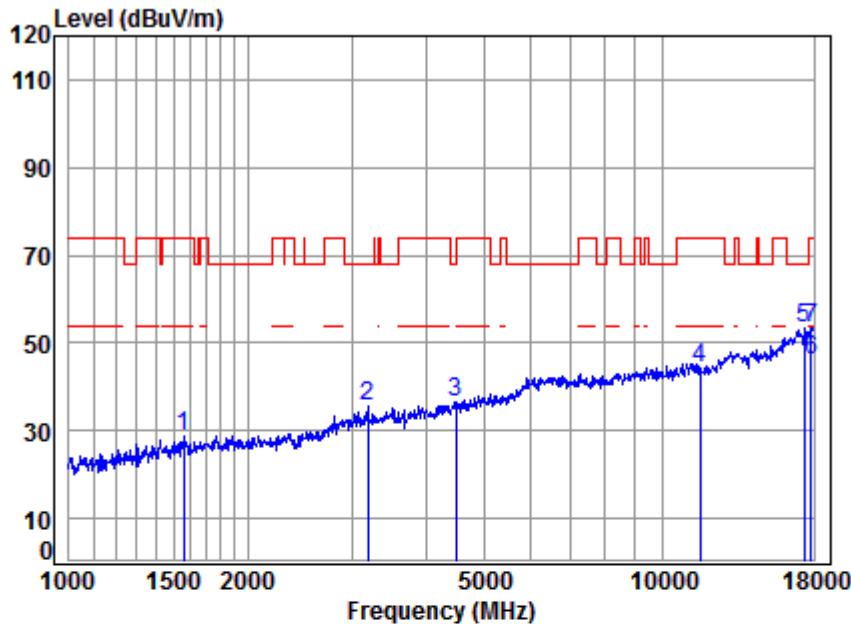
	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
Freq	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB

1	1556.169	5.41	26.06	40.74	37.10	27.83	74.00	-46.17	peak
2	3337.710	6.31	31.45	41.90	38.41	34.27	74.00	-39.73	peak
3	4430.628	7.48	33.48	43.23	38.49	36.22	68.20	-31.98	peak
4	11400.000	12.04	37.88	38.45	31.91	43.38	74.00	-30.62	peak
5	17100.000	16.49	42.66	40.34	32.19	51.00	68.20	-17.20	peak
6	17948.050	16.08	43.44	40.21	26.90	46.21	54.00	-7.79	Average
7	17948.050	16.08	43.44	40.21	35.14	54.45	74.00	-19.55	peak

**4.8.2.76 11AC20\_149\_Verical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5745 TX RSE  
Note : 5G WIFI 11AC20

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Over Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1658.337	5.28	26.50	40.81	38.23	29.20	68.20	-39.00	peak	
2	3177.672	6.16	31.20	41.67	38.86	34.55	68.20	-33.65	peak	
3	4291.977	7.33	33.24	43.08	38.29	35.78	74.00	-38.22	peak	
4	11490.000	12.13	37.90	38.49	31.75	43.29	74.00	-30.71	peak	
5	17235.000	16.18	42.74	40.32	33.04	51.64	68.20	-16.56	peak	
6	17896.250	16.02	43.38	40.22	27.37	46.55	54.00	-7.45	Average	
7	17896.250	16.02	43.38	40.22	35.72	54.90	74.00	-19.10	peak	

**4.8.2.77 11AC20\_157\_Ver**

Site : chamber

Condition: 3m VERTICAL

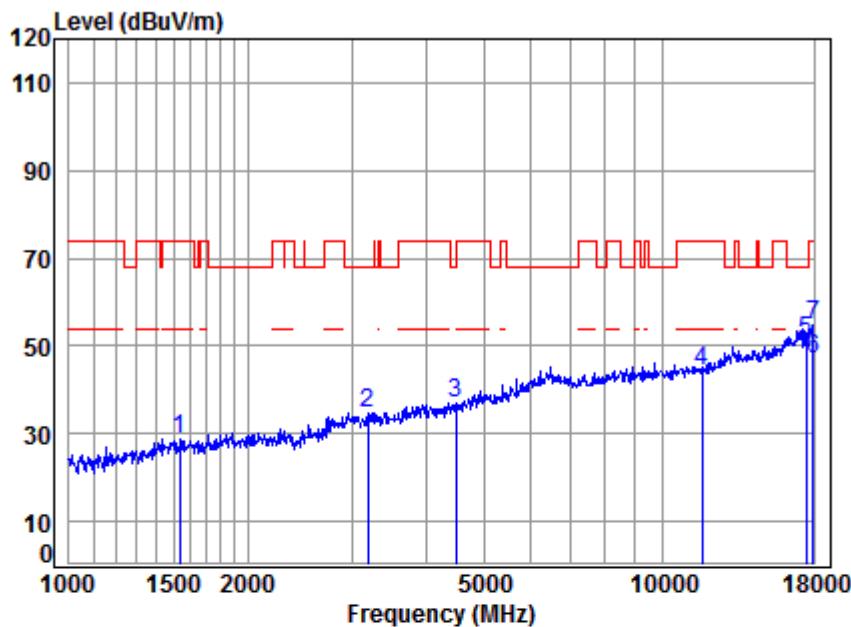
Job No : C0005

Mode : 5785 TX RSE

Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

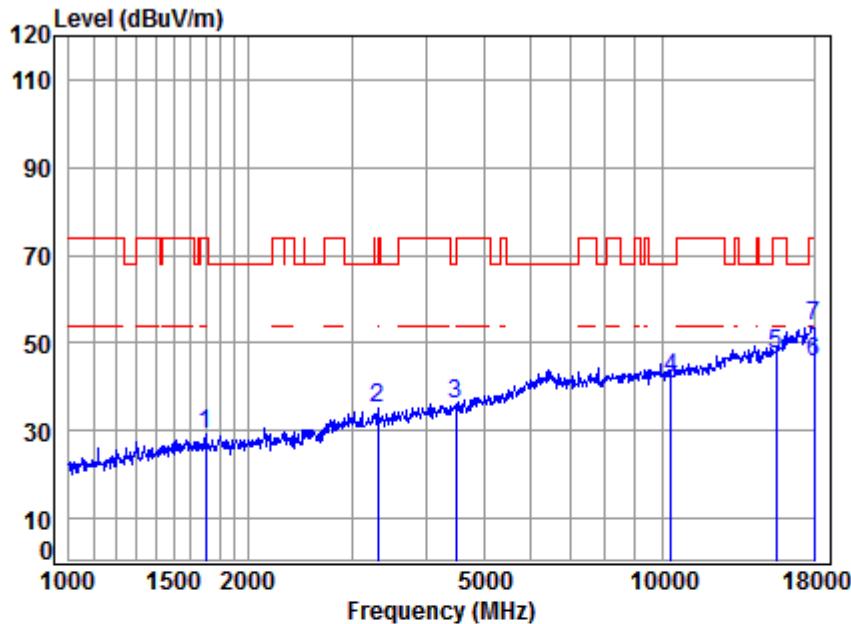
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1560.673	5.40	26.08	40.75	38.21	28.94	74.00	-45.06 peak
2	3186.869	6.17	31.21	41.68	40.00	35.70	68.20	-32.50 peak
3	4495.125	7.55	33.59	43.30	38.83	36.67	68.20	-31.53 peak
4	11570.000	12.17	37.87	38.52	32.56	44.08	74.00	-29.92 peak
5	17355.000	15.92	42.81	40.30	34.79	53.22	68.20	-14.98 peak
6	17844.590	15.97	43.32	40.22	27.06	46.13	54.00	-7.87 Average
7	17844.590	15.97	43.32	40.22	34.40	53.47	74.00	-20.53 peak

**4.8.2.78 11AC20\_165\_Ver**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5825 TX RSE  
Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark

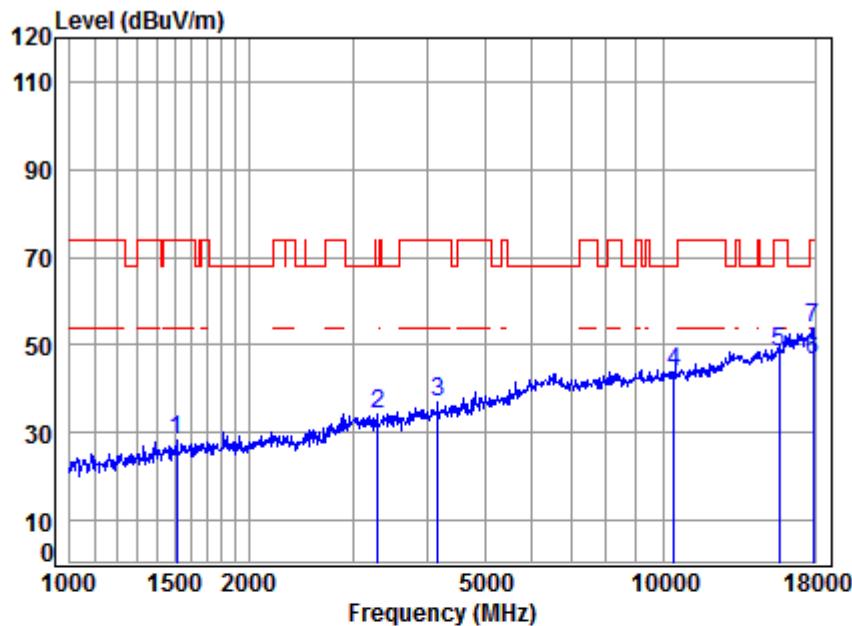
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1538.281	5.43	25.98	40.73	37.92	28.60	74.00	-45.40	peak
2	3186.869	6.17	31.21	41.68	39.01	34.71	68.20	-33.49	peak
3	4482.150	7.54	33.57	43.29	39.31	37.13	68.20	-31.07	peak
4	11650.000	12.20	37.84	38.55	32.95	44.44	74.00	-29.56	peak
5	17475.000	15.65	42.89	40.28	33.05	51.31	68.20	-16.89	peak
6	17948.050	16.08	43.44	40.21	27.49	46.80	54.00	-7.20	Average
7	17948.050	16.08	43.44	40.21	35.65	54.96	74.00	-19.04	peak

**4.8.2.79 11AC20\_36\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5180 TX RSE  
Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

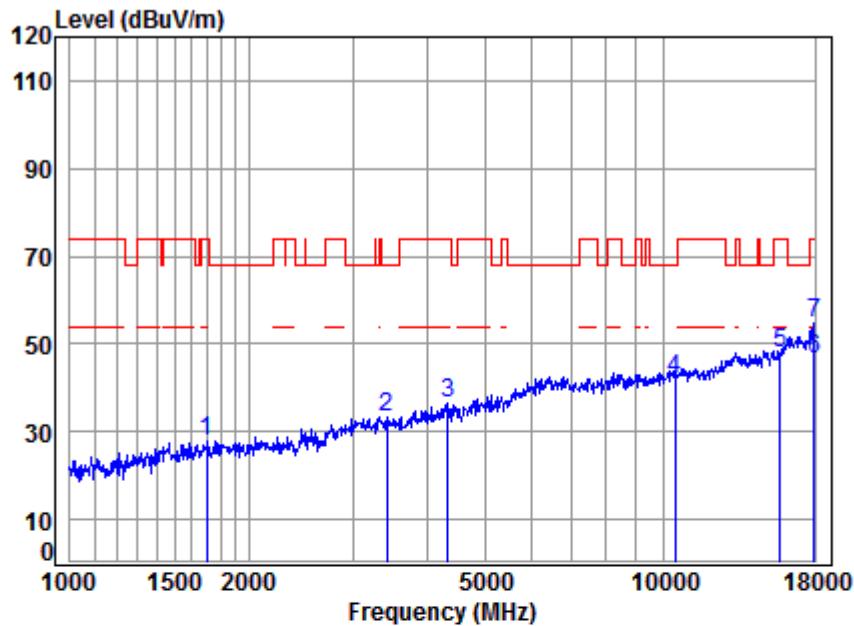
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	Freq	Loss	Factor	Factor	Level	Level	Level	Line	Limit
1	1697.129	5.23	26.66	40.83	38.04	29.10	74.00	-44.90	peak
2	3318.471	6.29	31.42	41.87	39.11	34.95	68.20	-33.25	peak
3	4495.125	7.55	33.59	43.30	38.41	36.25	68.20	-31.95	peak
4	10360.000	11.19	37.76	37.97	31.11	42.09	68.20	-26.11	peak
5	15540.000	14.30	40.72	40.60	32.81	47.23	74.00	-26.77	peak
6	18000.000	16.13	43.50	40.20	26.41	45.84	54.00	-8.16	Average
7	18000.000	16.13	43.50	40.20	34.44	53.87	74.00	-20.13	peak

**4.8.2.80 11AC20\_44 \_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5220 TX RSE  
Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
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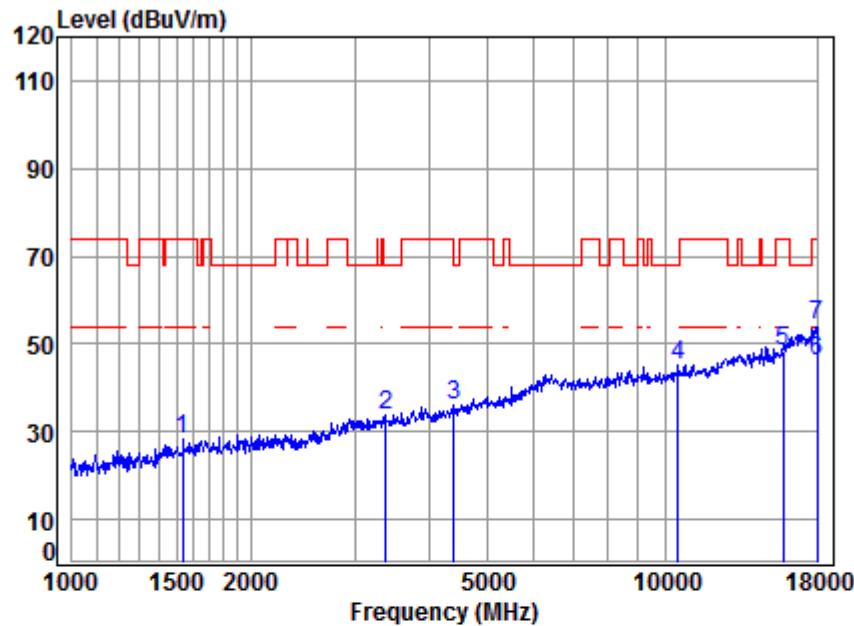
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1511.833	5.46	25.85	40.71	37.50	28.10	74.00	-45.90	peak
2	3299.344	6.28	31.39	41.85	38.53	34.35	68.20	-33.85	peak
3	4169.698	7.18	33.02	42.95	39.83	37.08	74.00	-36.92	peak
4	10440.000	11.25	37.72	38.01	32.75	43.71	68.20	-24.49	peak
5	15660.000	14.48	40.80	40.58	33.47	48.17	74.00	-25.83	peak
6	17896.250	16.02	43.38	40.22	27.58	46.76	54.00	-7.24	Average
7	17896.250	16.02	43.38	40.22	34.77	53.95	74.00	-20.05	peak

**4.8.2.81 11AC20\_48 \_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5240 TX RSE  
Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

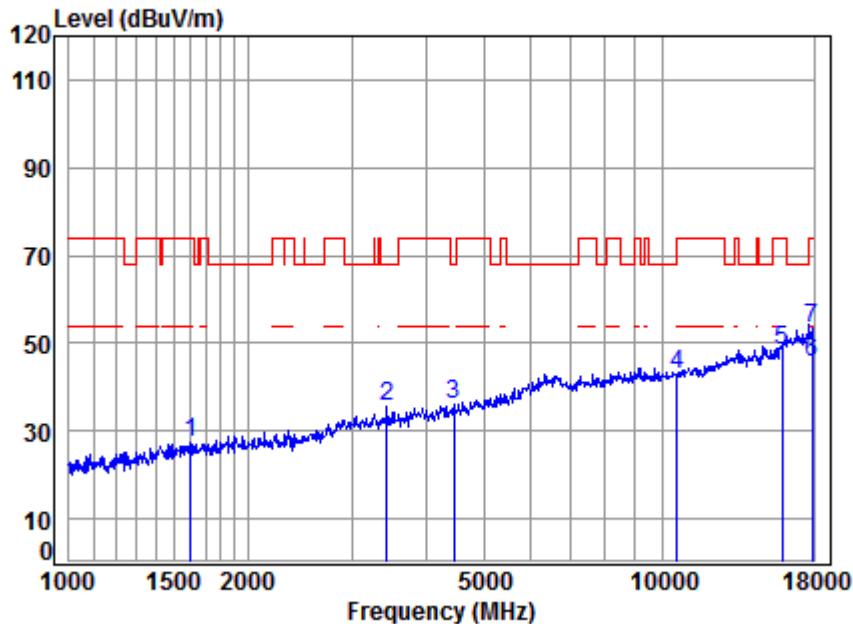
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
Freq	Loss	Factor	Factor	Level	Level	Level	Line	Limit	Remark
1	1702.042	5.23	26.68	40.83	36.94	28.02	74.00	-45.98	peak
2	3415.787	6.38	31.57	42.01	37.41	33.35	68.20	-34.85	peak
3	4341.886	7.38	33.33	43.14	38.75	36.32	74.00	-37.68	peak
4	10480.000	11.28	37.71	38.03	31.08	42.04	68.20	-26.16	peak
5	15720.000	14.57	40.83	40.57	32.92	47.75	74.00	-26.25	peak
6	17948.050	16.08	43.44	40.21	27.05	46.36	54.00	-7.64	Average
7	17948.050	16.08	43.44	40.21	35.41	54.72	74.00	-19.28	peak

**4.8.2.82 11AC20\_52 \_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5260 TX RSE  
Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

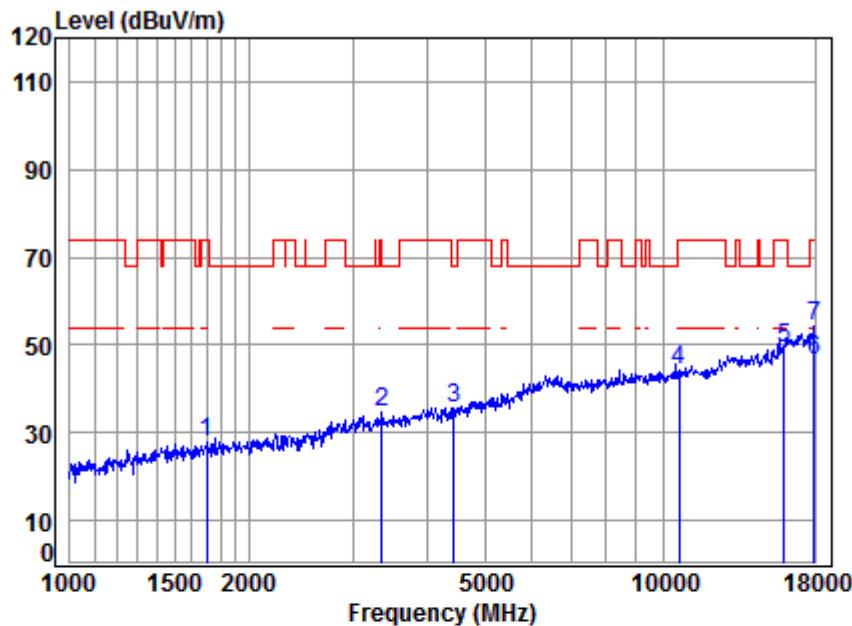
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
Freq	Loss	Factor	Factor	Level	Level	Level	Line	Limit	Remark
1	1538.281	5.43	25.98	40.73	37.54	28.22	74.00	-45.78	peak
2	3376.523	6.35	31.51	41.96	37.89	33.79	68.20	-34.41	peak
3	4405.090	7.46	33.44	43.20	38.53	36.23	68.20	-31.97	peak
4	10520.000	11.30	37.70	38.05	34.33	45.28	68.20	-22.92	peak
5	15780.000	14.66	40.87	40.56	33.33	48.30	74.00	-25.70	peak
6	18000.000	16.13	43.50	40.20	26.67	46.10	54.00	-7.90	Average
7	18000.000	16.13	43.50	40.20	34.89	54.32	74.00	-19.68	peak

**4.8.2.83 11AC20\_60 \_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5300 TX RSE  
Note : 5G WIFI 11AC20

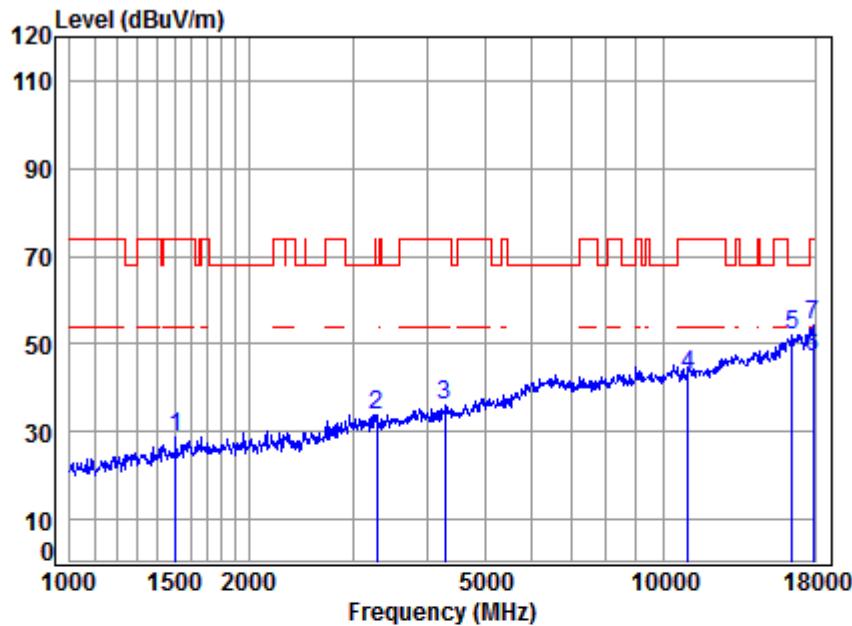
	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
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	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	Freq								
1	1601.804	5.35	26.26	40.77	36.65	27.49	74.00	-46.51	peak
2	3435.590	6.40	31.60	42.04	39.59	35.55	68.20	-32.65	peak
3	4456.315	7.51	33.53	43.26	38.11	35.89	68.20	-32.31	peak
4	10600.000	11.36	37.72	38.09	31.82	42.81	68.20	-25.39	peak
5	15900.000	14.84	40.94	40.54	33.25	48.49	74.00	-25.51	peak
6	17896.250	16.02	43.38	40.22	26.26	45.44	54.00	-8.56	Average
7	17896.250	16.02	43.38	40.22	34.36	53.54	74.00	-20.46	peak

**4.8.2.84 11AC20\_64 \_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5320 TX RSE  
Note : 5G WIFI 11AC20

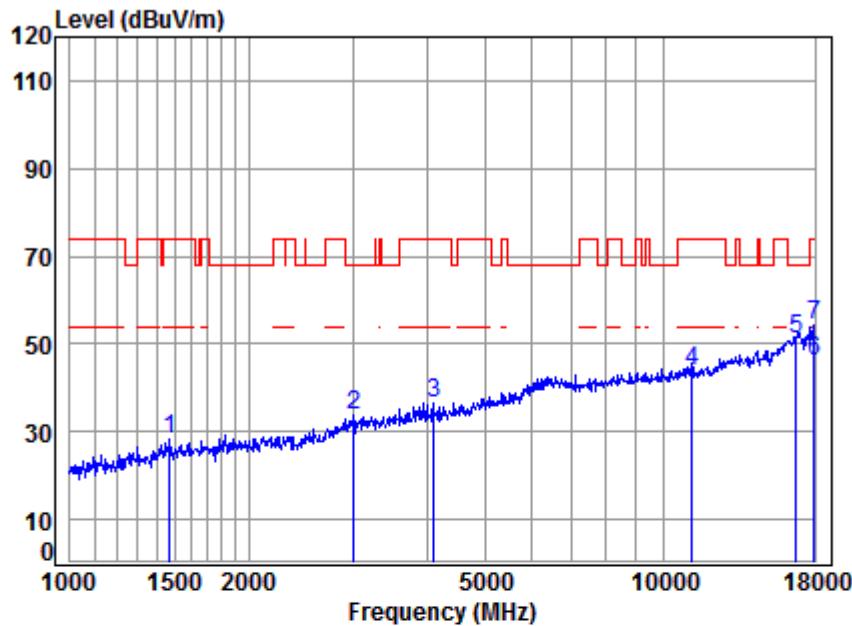
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1702.042	5.23	26.68	40.83	36.62	27.70	74.00	-46.30	peak
2	3357.061	6.33	31.48	41.93	38.79	34.67	74.00	-39.33	peak
3	4430.628	7.48	33.48	43.23	37.98	35.71	68.20	-32.49	peak
4	10640.000	11.39	37.73	38.11	33.08	44.09	74.00	-29.91	peak
5	15960.000	14.93	40.98	40.53	33.86	49.24	74.00	-24.76	peak
6	17948.050	16.08	43.44	40.21	27.29	46.60	54.00	-7.40	Average
7	17948.050	16.08	43.44	40.21	34.77	54.08	74.00	-19.92	peak

**4.8.2.85 11AC20\_100 \_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5500 TX RSE  
Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

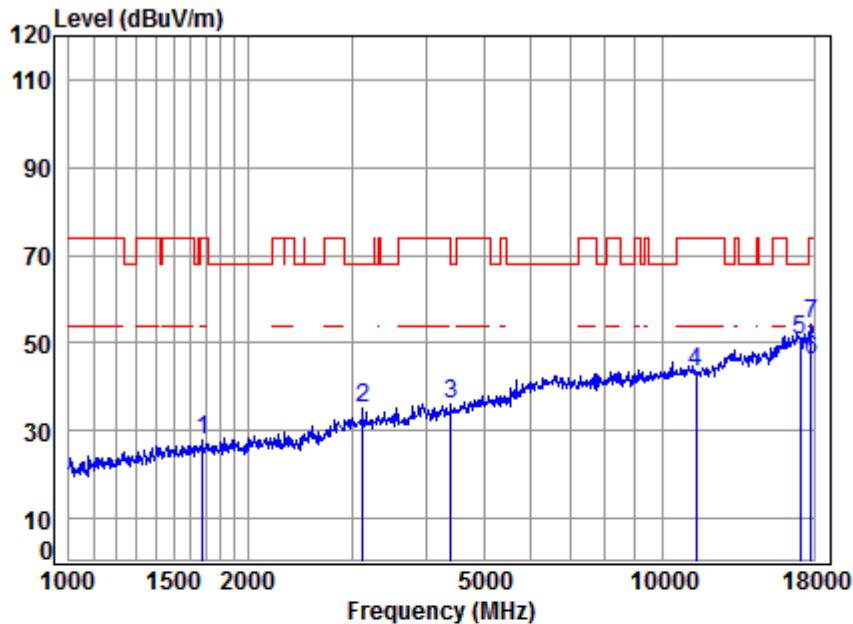
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
Freq									
1	1507.470	5.47	25.83	40.71	38.14	28.73	74.00	-45.27	peak
2	3289.821	6.27	31.38	41.83	38.03	33.85	68.20	-34.35	peak
3	4291.977	7.33	33.24	43.08	38.63	36.12	74.00	-37.88	peak
4	11000.000	11.63	37.80	38.27	31.54	42.70	74.00	-31.30	peak
5	16500.000	14.50	42.20	40.44	35.57	51.83	68.20	-16.37	peak
6	17896.250	16.02	43.38	40.22	27.66	46.84	54.00	-7.16	Average
7	17896.250	16.02	43.38	40.22	34.89	54.07	74.00	-19.93	peak

**4.8.2.86 11AC20\_116 \_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5580 TX RSE  
Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

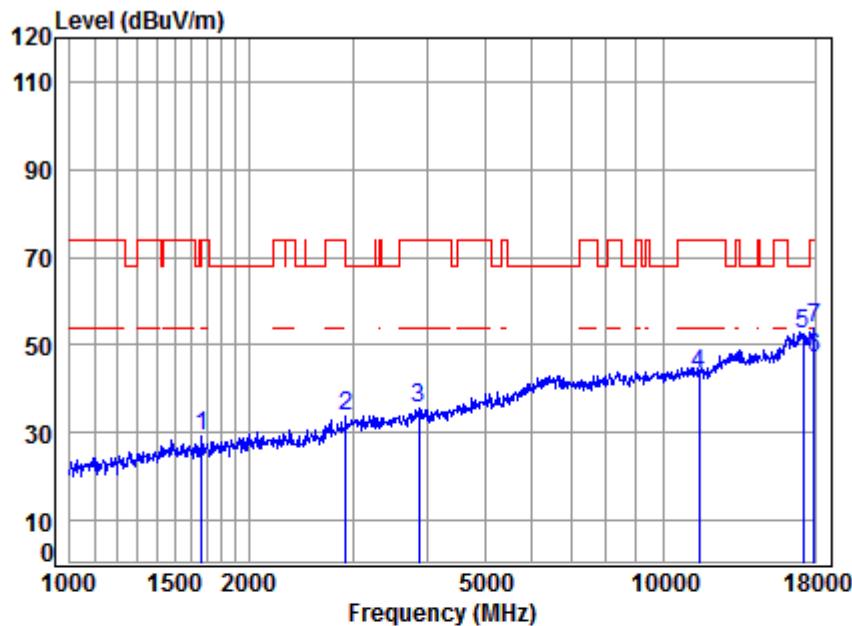
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
Freq	Loss	Factor	Factor	Level	Level	Level	Line	Limit
1	1473.013	5.39	25.70	40.69	37.76	28.16	74.00	-45.84 peak
2	3007.868	5.99	30.91	41.41	38.25	33.74	68.20	-34.46 peak
3	4098.010	7.10	32.88	42.87	39.28	36.39	74.00	-37.61 peak
4	11160.000	11.80	37.83	38.34	32.37	43.66	74.00	-30.34 peak
5	16740.000	15.57	42.39	40.40	33.66	51.22	68.20	-16.98 peak
6	17948.050	16.08	43.44	40.21	26.85	46.16	54.00	-7.84 Average
7	17948.050	16.08	43.44	40.21	35.01	54.32	74.00	-19.68 peak

**4.8.2.87 11AC20\_140 \_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5700 TX RSE  
Note : 5G WIFI 11AC20

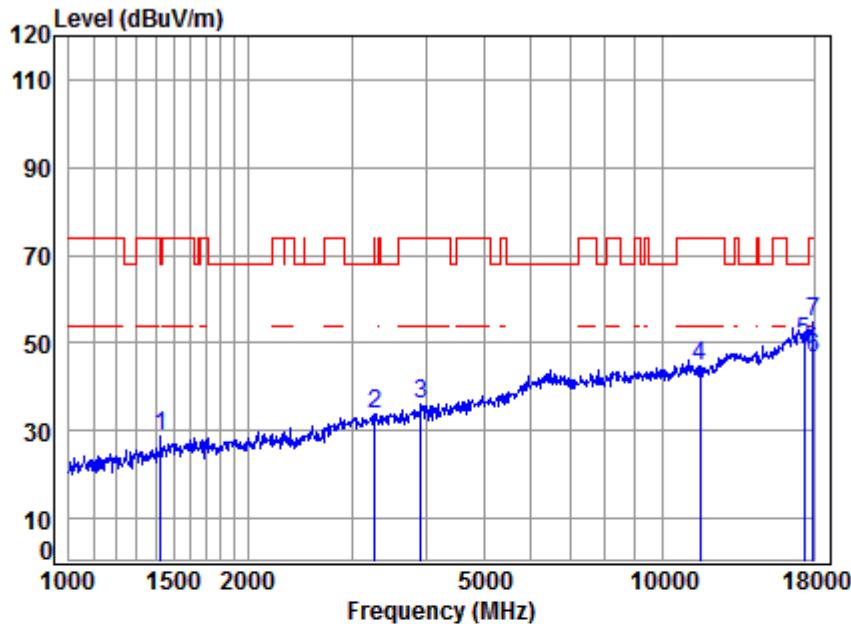
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1677.621	5.25	26.58	40.82	36.60	27.61	74.00	-46.39	peak
2	3123.039	6.11	31.11	41.59	39.39	35.02	68.20	-33.18	peak
3	4405.090	7.46	33.44	43.20	38.55	36.25	68.20	-31.95	peak
4	11400.000	12.04	37.88	38.45	31.91	43.38	74.00	-30.62	peak
5	17100.000	16.49	42.66	40.34	31.95	50.76	68.20	-17.44	peak
6	17793.090	15.91	43.25	40.23	27.13	46.06	54.00	-7.94	Average
7	17793.090	15.91	43.25	40.23	35.32	54.25	74.00	-19.75	peak

**4.8.2.88 11AC20\_149 \_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5745 TX RSE  
Note : 5G WIFI 11AC20

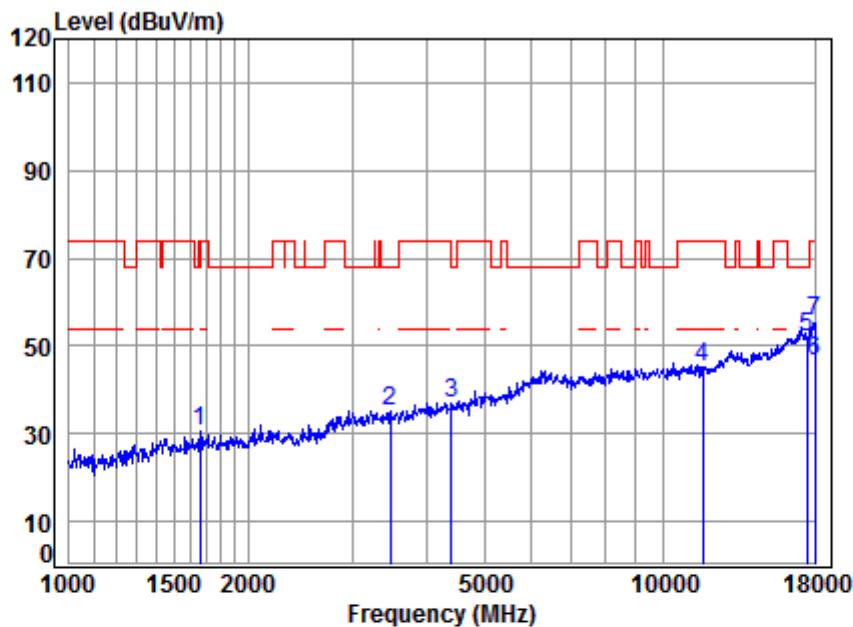
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1667.951	5.27	26.54	40.81	38.21	29.21	74.00	-44.79	peak
2	2922.174	5.93	30.58	41.37	38.72	33.86	68.20	-34.34	peak
3	3867.831	6.85	32.45	42.59	38.70	35.41	74.00	-38.59	peak
4	11490.000	12.13	37.90	38.49	31.74	43.28	74.00	-30.72	peak
5	17235.000	16.18	42.74	40.32	34.06	52.66	68.20	-15.54	peak
6	17948.050	16.08	43.44	40.21	27.48	46.79	54.00	-7.21	Average
7	17948.050	16.08	43.44	40.21	34.67	53.98	74.00	-20.02	peak

**4.8.2.89 11AC20\_157 \_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5785 TX RSE  
Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

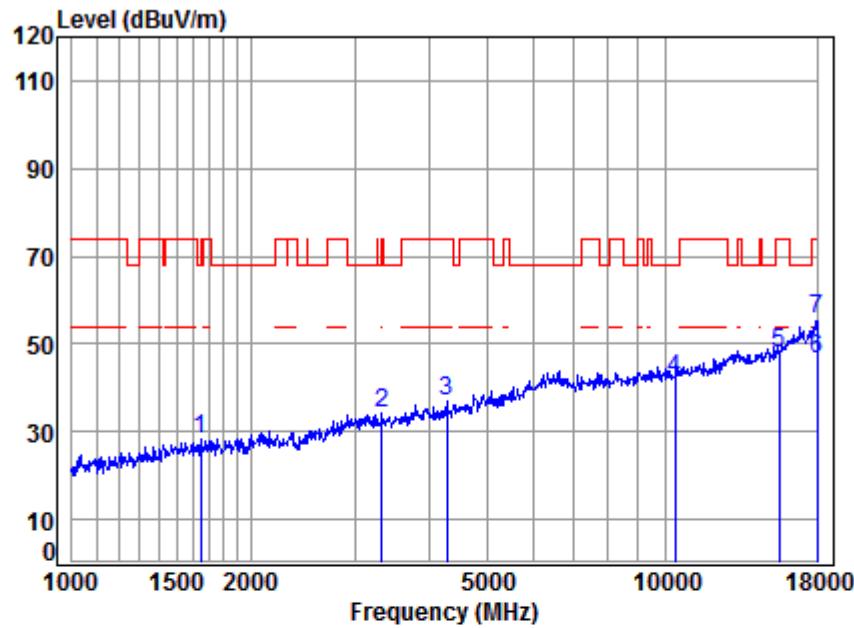
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1426.916	5.24	25.53	40.66	38.43	28.54	74.00	-45.46 peak
2	3280.326	6.26	31.36	41.82	38.11	33.91	68.20	-34.29 peak
3	3924.135	6.91	32.56	42.66	39.23	36.04	74.00	-37.96 peak
4	11570.000	12.17	37.87	38.52	33.05	44.57	74.00	-29.43 peak
5	17355.000	15.92	42.81	40.30	31.60	50.03	68.20	-18.17 peak
6	17948.050	16.08	43.44	40.21	27.01	46.32	54.00	-7.68 Average
7	17948.050	16.08	43.44	40.21	35.27	54.58	74.00	-19.42 peak

**4.8.2.90 11AC20\_165 \_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5825 TX RSE  
Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
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	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1658.337	5.28	26.50	40.81	39.38	30.35	68.20	-37.85 peak
2	3475.541	6.44	31.66	42.09	39.18	35.19	68.20	-33.01 peak
3	4405.090	7.46	33.44	43.20	39.46	37.16	68.20	-31.04 peak
4	11650.000	12.20	37.84	38.55	33.71	45.20	74.00	-28.80 peak
5	17475.000	15.65	42.89	40.28	33.55	51.81	68.20	-16.39 peak
6	18000.000	16.13	43.50	40.20	27.30	46.73	54.00	-7.27 Average
7	18000.000	16.13	43.50	40.20	36.46	55.89	74.00	-18.11 peak

**4.8.2.91 11AC40\_38\_Verical**

Site : chamber

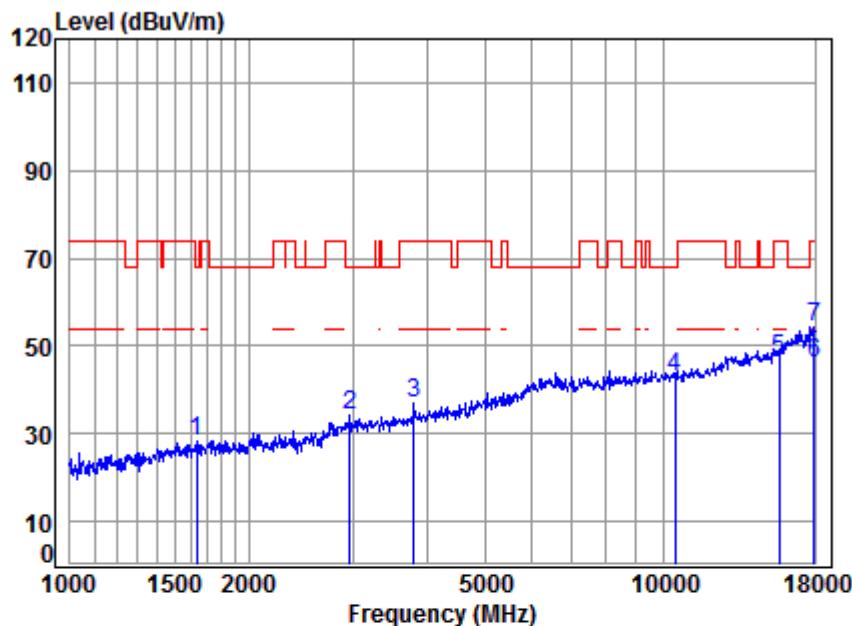
Condition: 3m VERTICAL

Job No : C0005

Mode : 5190 TX RSE

Note : 5G WIFI 11AC40

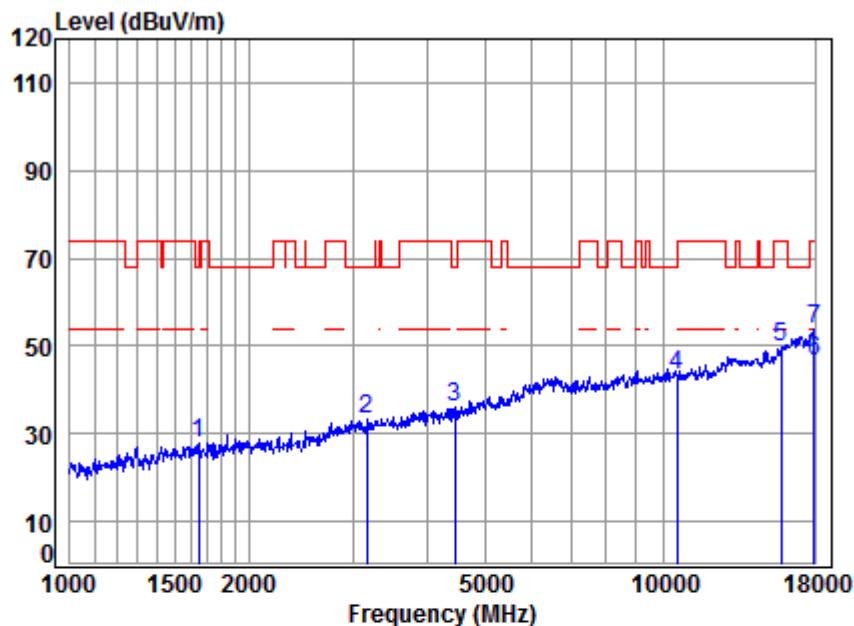
		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Over Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1648.778	5.29	26.46	40.80	37.19	28.14	68.20	-40.06	peak	
2	3328.077	6.30	31.44	41.89	38.35	34.20	68.20	-34.00	peak	
3	4279.589	7.31	33.22	43.07	39.46	36.92	74.00	-37.08	peak	
4	10380.000	11.21	37.75	37.98	30.93	41.91	68.20	-26.29	peak	
5	15570.000	14.35	40.74	40.60	33.54	48.03	74.00	-25.97	peak	
6	18000.000	16.13	43.50	40.20	27.28	46.71	54.00	-7.29	Average	
7	18000.000	16.13	43.50	40.20	36.42	55.85	74.00	-18.15	peak	

**4.8.2.92 11AC40\_46\_Verical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5230 TX RSE  
Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1634.543	5.31	26.40	40.79	37.50	28.42	68.20	-39.78 peak
2	2964.712	5.96	30.76	41.39	38.71	34.04	68.20	-34.16 peak
3	3801.333	6.78	32.32	42.51	40.15	36.74	74.00	-37.26 peak
4	10460.000	11.26	37.72	38.02	32.00	42.96	68.20	-25.24 peak
5	15690.000	14.53	40.82	40.58	32.15	46.92	74.00	-27.08 peak
6	17948.050	16.08	43.44	40.21	26.86	46.17	54.00	-7.83 Average
7	17948.050	16.08	43.44	40.21	35.12	54.43	74.00	-19.57 peak

**4.8.2.93 11AC40\_54\_Verical**

Site : chamber

Condition: 3m VERTICAL

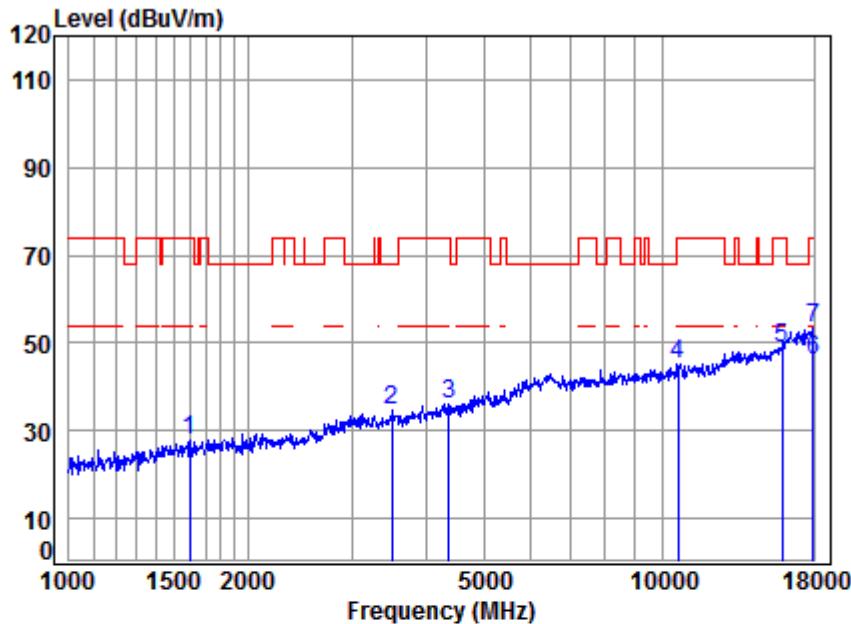
Job No : C0005

Mode : 5270 TX RSE

Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

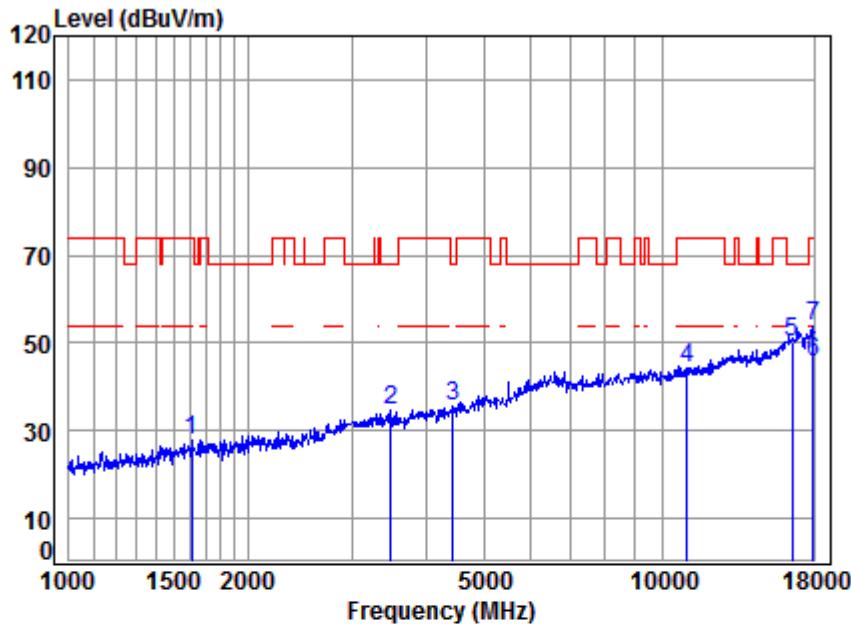
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1648.778	5.29	26.46	40.80	37.03	27.98	68.20	-40.22 peak
2	3168.500	6.15	31.18	41.66	37.65	33.32	68.20	-34.88 peak
3	4456.315	7.51	33.53	43.26	38.33	36.11	68.20	-32.09 peak
4	10540.000	11.32	37.71	38.06	32.24	43.21	68.20	-24.99 peak
5	15810.000	14.71	40.89	40.56	34.57	49.61	74.00	-24.39 peak
6	17948.050	16.08	43.44	40.21	27.20	46.51	54.00	-7.49 Average
7	17948.050	16.08	43.44	40.21	34.40	53.71	74.00	-20.29 peak

**4.8.2.94 11AC40\_62\_Verical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5310 TX RSE  
Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	Freq	Loss	Factor	Factor	Level	Level	Level	Line	Limit
1	1597.181	5.35	26.24	40.77	36.79	27.61	74.00	-46.39	peak
2	3495.691	6.46	31.69	42.12	38.43	34.46	68.20	-33.74	peak
3	4367.058	7.41	33.37	43.16	38.61	36.23	74.00	-37.77	peak
4	10620.000	11.37	37.72	38.10	34.07	45.06	74.00	-28.94	peak
5	15930.000	14.89	40.96	40.54	33.29	48.60	74.00	-25.40	peak
6	17948.050	16.08	43.44	40.21	26.80	46.11	54.00	-7.89	Average
7	17948.050	16.08	43.44	40.21	34.00	53.31	74.00	-20.69	peak

**4.8.2.95 11AC40\_102 \_Vertical**

Site : chamber

Condition: 3m VERTICAL

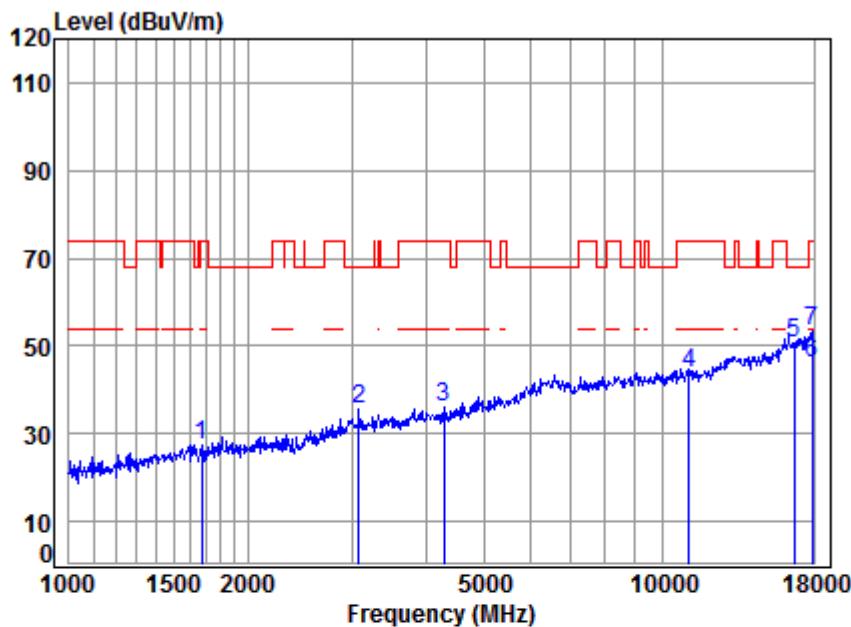
Job No : C0005

Mode : 5510 TX RSE

Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over
Freq	Loss	Factor	Factor	Level	Level	Line

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	Freq	Loss	Factor	Factor	Level	Level	Level	Line	Remark
1	1611.091	5.34	26.30	40.78	37.12	27.98	74.00	-46.02	peak
2	3485.601	6.45	31.68	42.10	38.67	34.70	68.20	-33.50	peak
3	4430.628	7.48	33.48	43.23	38.07	35.80	68.20	-32.40	peak
4	11020.000	11.65	37.80	38.28	32.97	44.14	74.00	-29.86	peak
5	16530.000	14.63	42.22	40.43	33.78	50.20	68.20	-18.00	peak
6	17948.050	16.08	43.44	40.21	26.23	45.54	54.00	-8.46	Average
7	17948.050	16.08	43.44	40.21	34.45	53.76	74.00	-20.24	peak

**4.8.2.96 11AC40\_110 \_Vertical**

Site : chamber

Condition: 3m VERTICAL

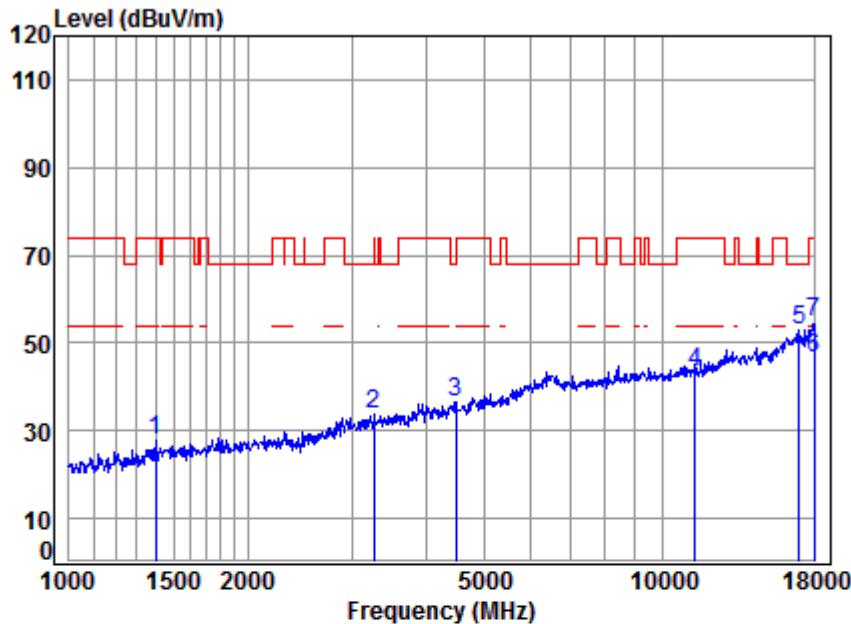
Job No : C0005

Mode : 5550 TX RSE

Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

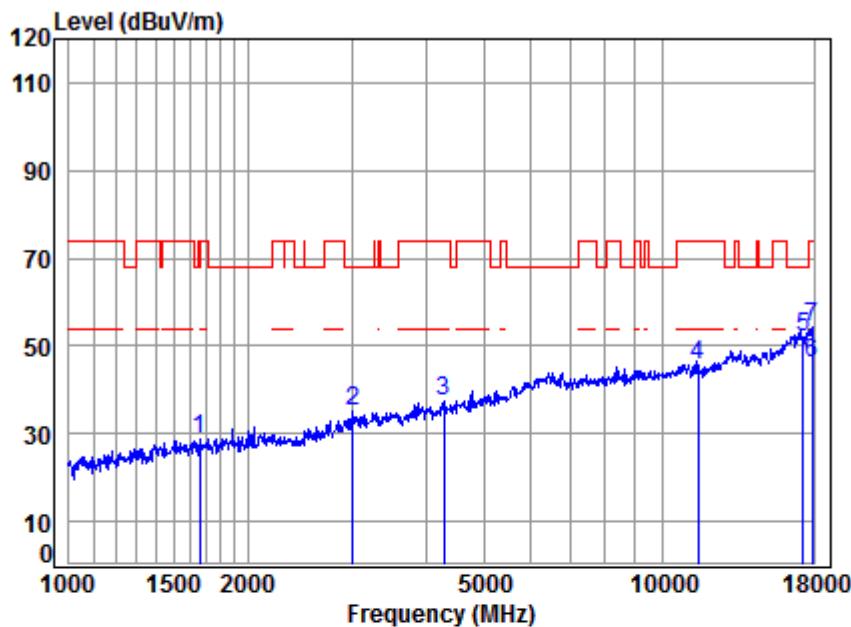
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1672.779	5.26	26.56	40.82	36.60	27.60	74.00	-46.40 peak
2	3078.229	6.06	31.03	41.52	39.87	35.44	68.20	-32.76 peak
3	4279.589	7.31	33.22	43.07	38.61	36.07	74.00	-37.93 peak
4	11100.000	11.73	37.82	38.32	32.42	43.65	74.00	-30.35 peak
5	16650.000	15.17	42.32	40.41	33.47	50.55	68.20	-17.65 peak
6	17896.250	16.02	43.38	40.22	26.96	46.14	54.00	-7.86 Average
7	17896.250	16.02	43.38	40.22	34.32	53.50	74.00	-20.50 peak

**4.8.2.97 11AC40\_134 \_Vertical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5670 TX RSE  
Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1402.384	5.16	25.43	40.64	37.66	27.61	74.00	-46.39	peak
2	3261.418	6.24	31.33	41.79	37.91	33.69	74.00	-40.31	peak
3	4482.150	7.54	33.57	43.29	38.73	36.55	68.20	-31.65	peak
4	11340.000	11.98	37.87	38.42	31.95	43.38	74.00	-30.62	peak
5	17010.000	16.69	42.61	40.36	34.17	53.11	68.20	-15.09	peak
6	18000.000	16.13	43.50	40.20	26.98	46.41	54.00	-7.59	Average
7	18000.000	16.13	43.50	40.20	35.27	54.70	74.00	-19.30	peak

**4.8.2.98 11AC40\_151 \_Vertical**

Site : chamber

Condition: 3m VERTICAL

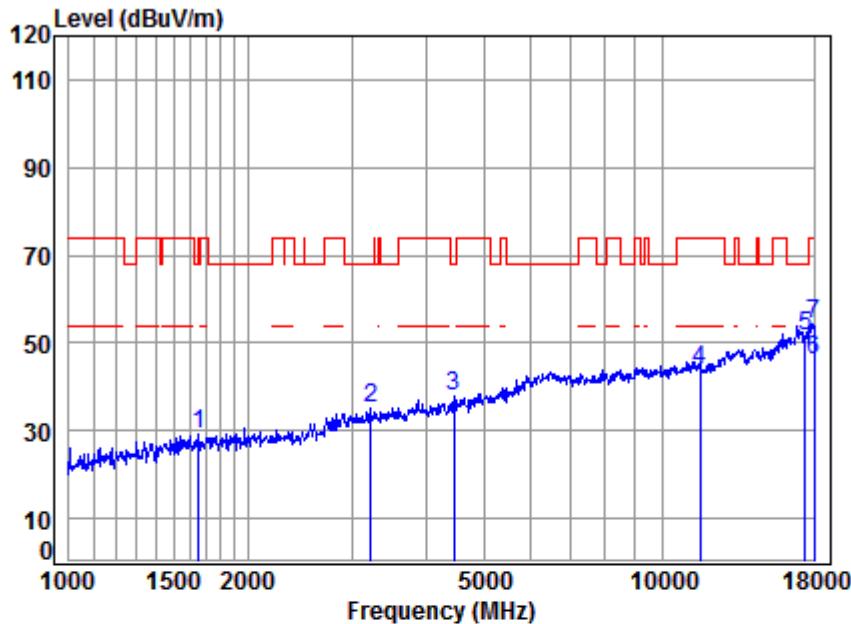
Job No : C0005

Mode : 5755 TX RSE

Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	Freq	Loss	Factor	Factor	Level	Level	Level	Line	Limit
1	1658.337	5.28	26.50	40.81	37.83	28.80	68.20	-39.40	peak
2	3007.868	5.99	30.91	41.41	39.48	34.97	68.20	-33.23	peak
3	4279.589	7.31	33.22	43.07	40.12	37.58	74.00	-36.42	peak
4	11510.000	12.14	37.90	38.49	33.94	45.49	74.00	-28.51	peak
5	17265.000	16.12	42.76	40.31	33.40	51.97	68.20	-16.23	peak
6	17896.250	16.02	43.38	40.22	26.84	46.02	54.00	-7.98	Average
7	17896.250	16.02	43.38	40.22	35.18	54.36	74.00	-19.64	peak

**4.8.2.99 11AC40\_159\_Ver**

Site : chamber

Condition: 3m VERTICAL

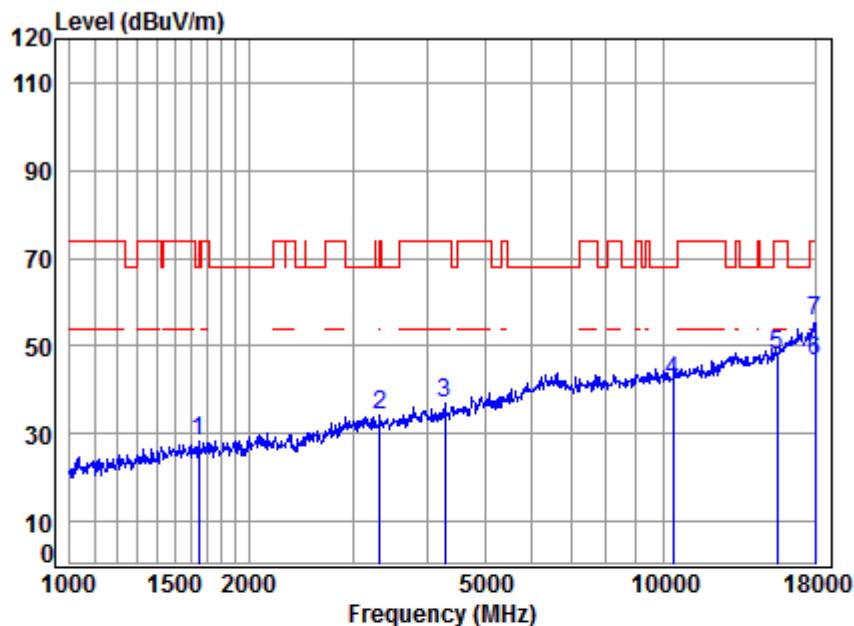
Job No : C0005

Mode : 5795 TX RSE

Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	Freq	Loss	Factor	Factor	Level	Level	Level	Line	Limit
1	1653.550	5.28	26.48	40.80	38.03	28.99	68.20	-39.21	peak
2	3223.928	6.20	31.27	41.74	39.48	35.21	68.20	-32.99	peak
3	4456.315	7.51	33.53	43.26	39.89	37.67	68.20	-30.53	peak
4	11590.000	12.17	37.86	38.53	32.39	43.89	74.00	-30.11	peak
5	17385.000	15.85	42.83	40.30	33.15	51.53	68.20	-16.67	peak
6	18000.000	16.13	43.50	40.20	26.59	46.02	54.00	-7.98	Average
7	18000.000	16.13	43.50	40.20	34.85	54.28	74.00	-19.72	peak

**4.8.2.100 11AC40\_38 \_Horizontal**

Site : chamber

Condition: 3m VERTICAL

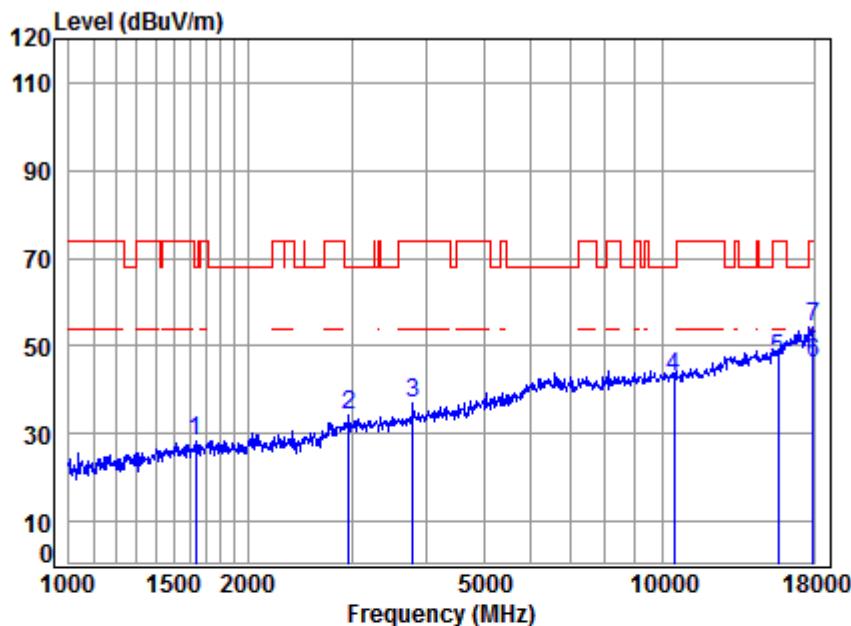
Job No : C0005

Mode : 5190 TX RSE

Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

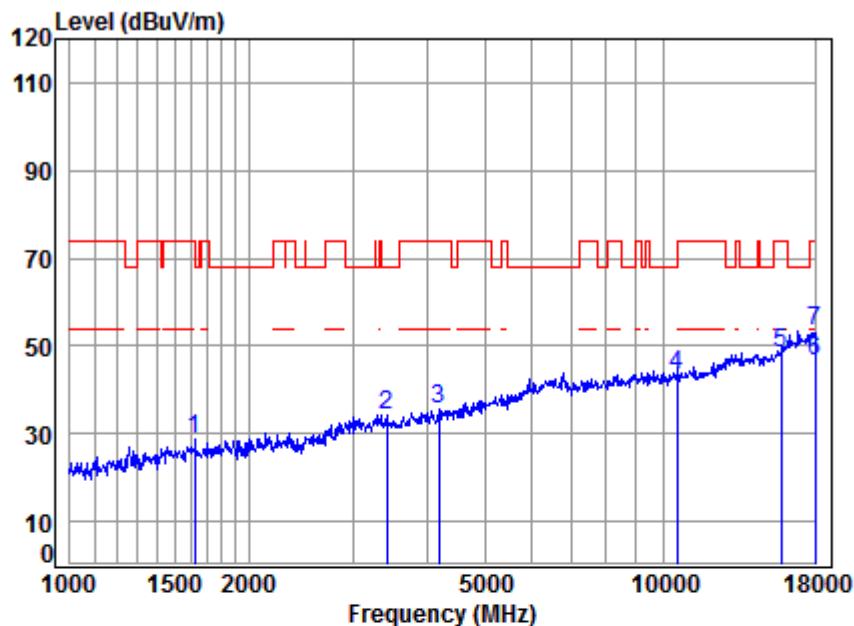
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1648.778	5.29	26.46	40.80	37.19	28.14	68.20	-40.06 peak
2	3328.077	6.30	31.44	41.89	38.35	34.20	68.20	-34.00 peak
3	4279.589	7.31	33.22	43.07	39.46	36.92	74.00	-37.08 peak
4	10380.000	11.21	37.75	37.98	30.93	41.91	68.20	-26.29 peak
5	15570.000	14.35	40.74	40.60	33.54	48.03	74.00	-25.97 peak
6	18000.000	16.13	43.50	40.20	27.28	46.71	54.00	-7.29 Average
7	18000.000	16.13	43.50	40.20	36.42	55.85	74.00	-18.15 peak

**4.8.2.101 11AC40\_46\_Horizontal**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5230 TX RSE  
Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

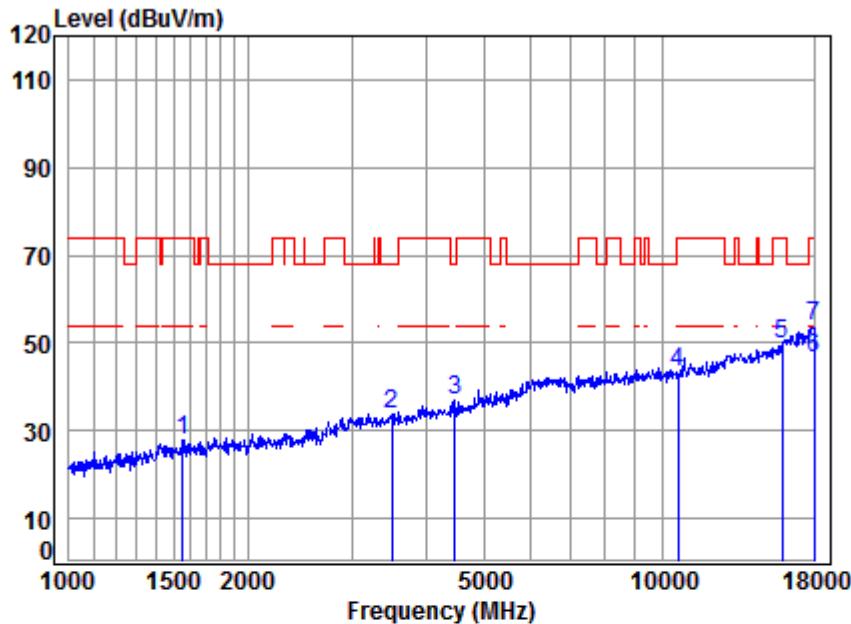
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1634.543	5.31	26.40	40.79	37.50	28.42	68.20	-39.78 peak
2	2964.712	5.96	30.76	41.39	38.71	34.04	68.20	-34.16 peak
3	3801.333	6.78	32.32	42.51	40.15	36.74	74.00	-37.26 peak
4	10460.000	11.26	37.72	38.02	32.00	42.96	68.20	-25.24 peak
5	15690.000	14.53	40.82	40.58	32.15	46.92	74.00	-27.08 peak
6	17948.050	16.08	43.44	40.21	26.86	46.17	54.00	-7.83 Average
7	17948.050	16.08	43.44	40.21	35.12	54.43	74.00	-19.57 peak

**4.8.2.102 11AC40\_54\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5270 TX RSE  
Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

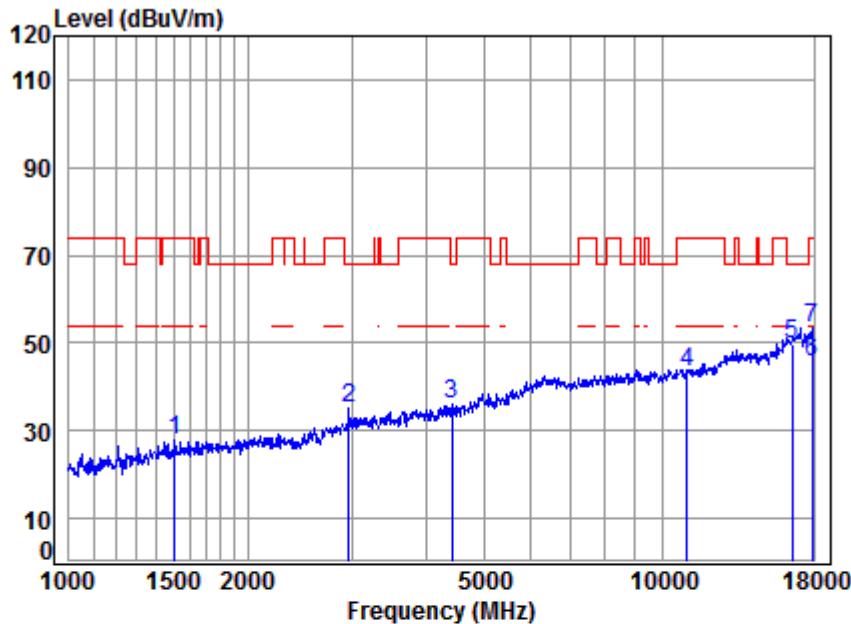
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1625.121	5.32	26.36	40.79	37.63	28.52	74.00	-45.48 peak
2	3415.787	6.38	31.57	42.01	38.27	34.21	68.20	-33.99 peak
3	4181.768	7.20	33.04	42.96	38.28	35.56	74.00	-38.44 peak
4	10540.000	11.32	37.71	38.06	32.49	43.46	68.20	-24.74 peak
5	15810.000	14.71	40.89	40.56	33.26	48.30	74.00	-25.70 peak
6	18000.000	16.13	43.50	40.20	26.92	46.35	54.00	-7.65 Average
7	18000.000	16.13	43.50	40.20	34.02	53.45	74.00	-20.55 peak

**4.8.2.103 11AC40\_62 \_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5310 TX RSE  
Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

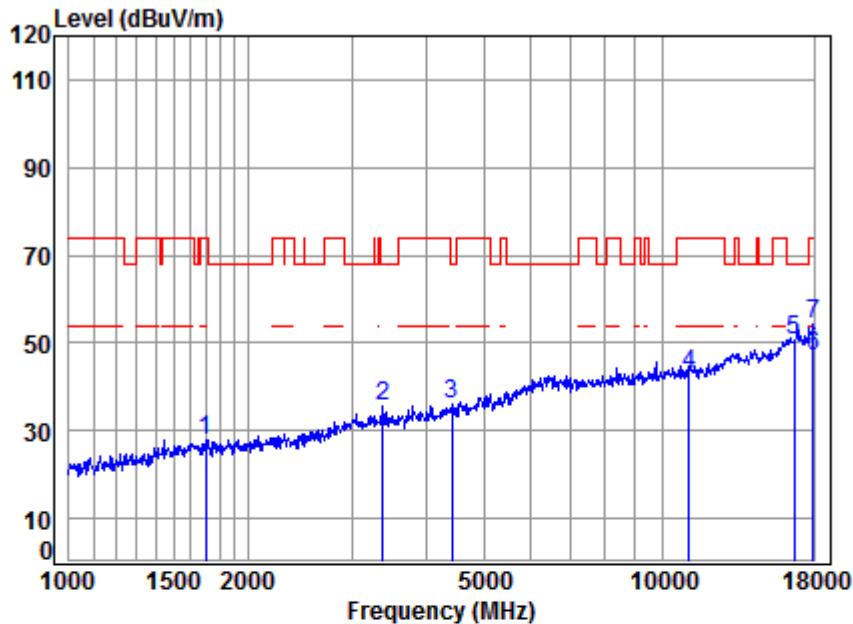
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1551.677	5.41	26.04	40.74	37.21	27.92	74.00	-46.08 peak
2	3495.691	6.46	31.69	42.12	37.90	33.93	68.20	-34.27 peak
3	4469.214	7.53	33.55	43.27	39.19	37.00	68.20	-31.20 peak
4	10620.000	11.37	37.72	38.10	32.46	43.45	74.00	-30.55 peak
5	15930.000	14.89	40.96	40.54	34.51	49.82	74.00	-24.18 peak
6	18000.000	16.13	43.50	40.20	27.20	46.63	54.00	-7.37 Average
7	18000.000	16.13	43.50	40.20	34.35	53.78	74.00	-20.22 peak

**4.8.2.104 11AC40\_102 \_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5510 TX RSE  
Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

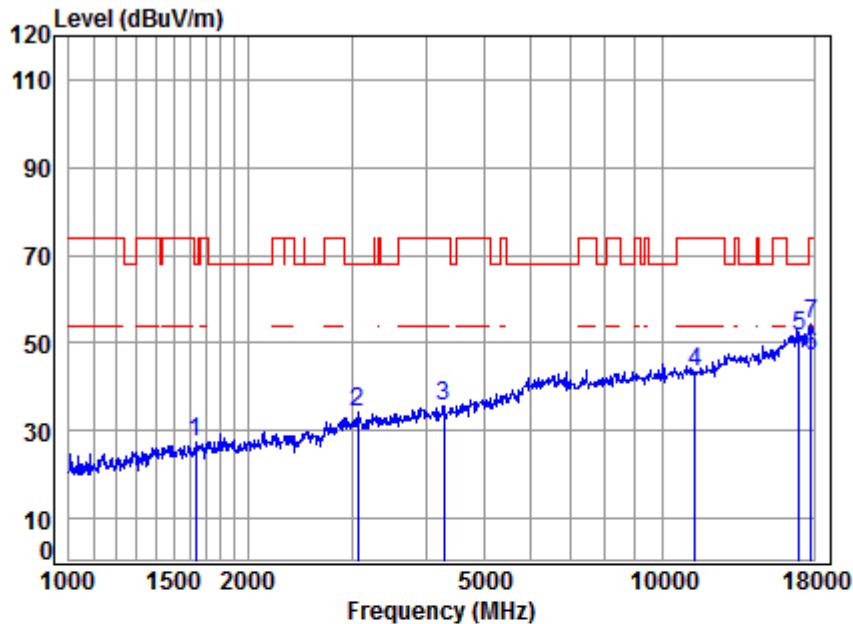
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1507.470	5.47	25.83	40.71	37.20	27.79	74.00	-46.21	peak
2	2964.712	5.96	30.76	41.39	39.76	35.09	68.20	-33.11	peak
3	4417.841	7.47	33.46	43.22	38.28	35.99	68.20	-32.21	peak
4	11020.000	11.65	37.80	38.28	32.23	43.40	74.00	-30.60	peak
5	16530.000	14.63	42.22	40.43	33.27	49.69	68.20	-18.51	peak
6	17896.250	16.02	43.38	40.22	26.54	45.72	54.00	-8.28	Average
7	17896.250	16.02	43.38	40.22	34.39	53.57	74.00	-20.43	peak

**4.8.2.105 11AC40\_110 \_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5550 TX RSE  
Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark

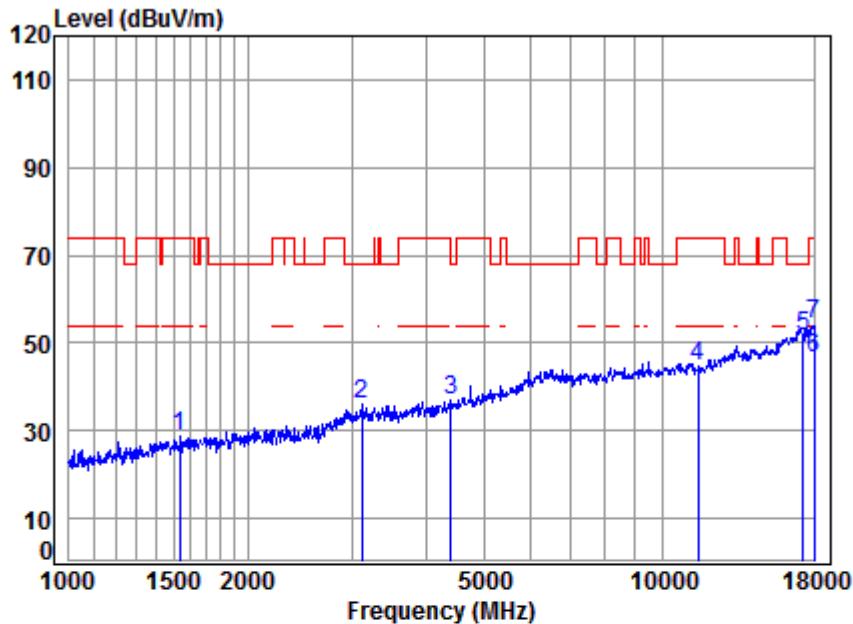
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1697.129	5.23	26.66	40.83	36.76	27.82	74.00	-46.18 peak
2	3386.297	6.36	31.53	41.97	39.70	35.62	68.20	-32.58 peak
3	4417.841	7.47	33.46	43.22	38.54	36.25	68.20	-31.95 peak
4	11100.000	11.73	37.82	38.32	31.83	43.06	74.00	-30.94 peak
5	16650.000	15.17	42.32	40.41	33.47	50.55	68.20	-17.65 peak
6	17948.050	16.08	43.44	40.21	27.73	47.04	54.00	-6.96 Average
7	17948.050	16.08	43.44	40.21	35.12	54.43	74.00	-19.57 peak

**4.8.2.106 11AC40\_134 \_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5670 TX RSE  
Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark

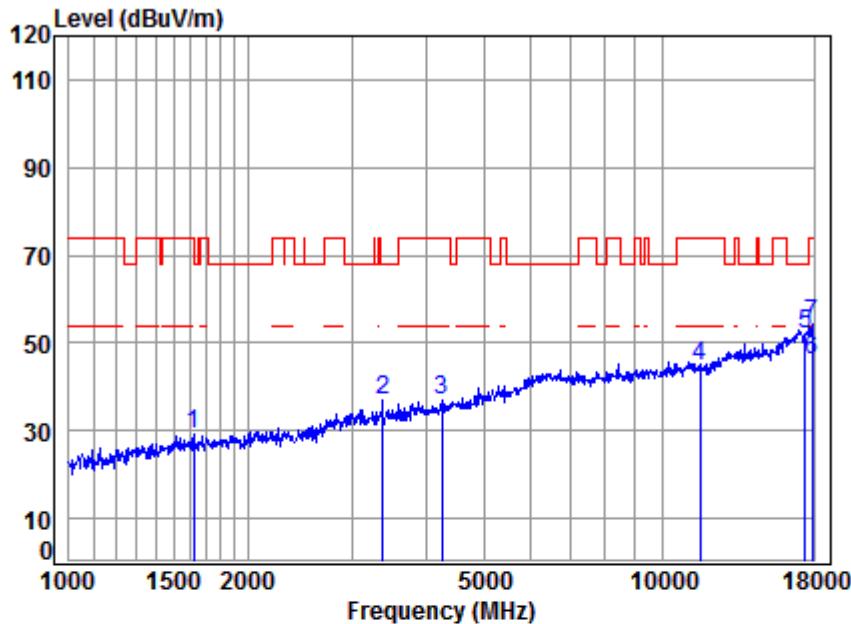
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1634.543	5.31	26.40	40.79	36.25	27.17	68.20	-41.03	peak
2	3069.345	6.05	31.02	41.51	38.47	34.03	68.20	-34.17	peak
3	4279.589	7.31	33.22	43.07	38.14	35.60	74.00	-38.40	peak
4	11340.000	11.98	37.87	38.42	31.70	43.13	74.00	-30.87	peak
5	17010.000	16.69	42.61	40.36	32.75	51.69	68.20	-16.51	peak
6	17793.090	15.91	43.25	40.23	28.10	47.03	54.00	-6.97	Average
7	17793.090	15.91	43.25	40.23	35.39	54.32	74.00	-19.68	peak

**4.8.2.107 11AC40\_151 \_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5755 TX RSE  
Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark

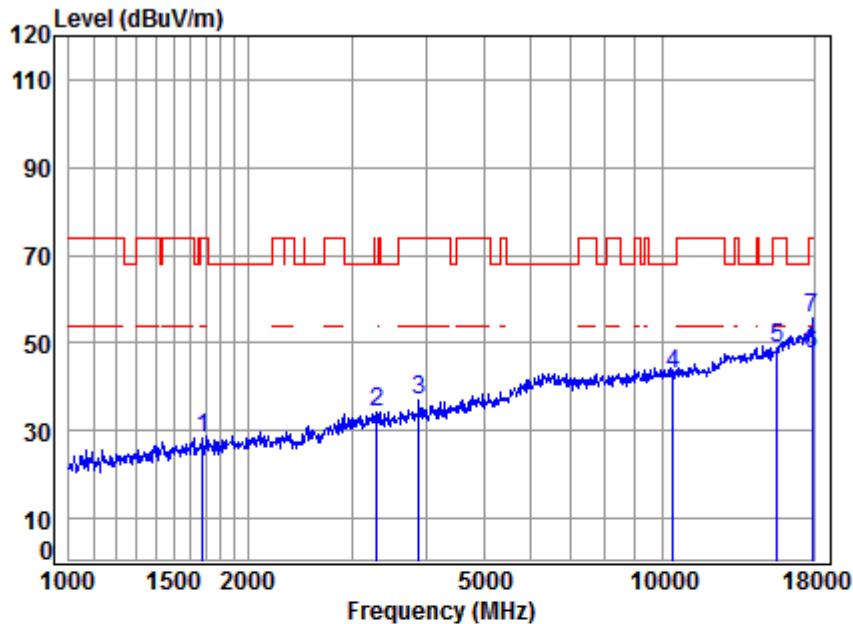
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1538.281	5.43	25.98	40.73	38.12	28.80	74.00	-45.20	peak
2	3114.025	6.10	31.09	41.58	40.65	36.26	68.20	-31.94	peak
3	4405.090	7.46	33.44	43.20	39.41	37.11	68.20	-31.09	peak
4	11510.000	12.14	37.90	38.49	33.23	44.78	74.00	-29.22	peak
5	17265.000	16.12	42.76	40.31	33.07	51.64	68.20	-16.56	peak
6	18000.000	16.13	43.50	40.20	27.16	46.59	54.00	-7.41	Average
7	18000.000	16.13	43.50	40.20	34.68	54.11	74.00	-19.89	peak

**4.8.2.108 11AC40\_159\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5795 TX RSE  
Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1620.431	5.32	26.34	40.78	38.16	29.04	74.00	-44.96 peak
2	3376.523	6.35	31.51	41.96	41.14	37.04	68.20	-31.16 peak
3	4254.921	7.28	33.17	43.04	39.66	37.07	74.00	-36.93 peak
4	11590.000	12.17	37.86	38.53	33.03	44.53	74.00	-29.47 peak
5	17385.000	15.85	42.83	40.30	33.44	51.82	68.20	-16.38 peak
6	17896.250	16.02	43.38	40.22	26.98	46.16	54.00	-7.84 Average
7	17896.250	16.02	43.38	40.22	35.15	54.33	74.00	-19.67 peak

**4.8.2.109 11AC80\_42\_Verical**

Site : chamber

Condition: 3m VERTICAL

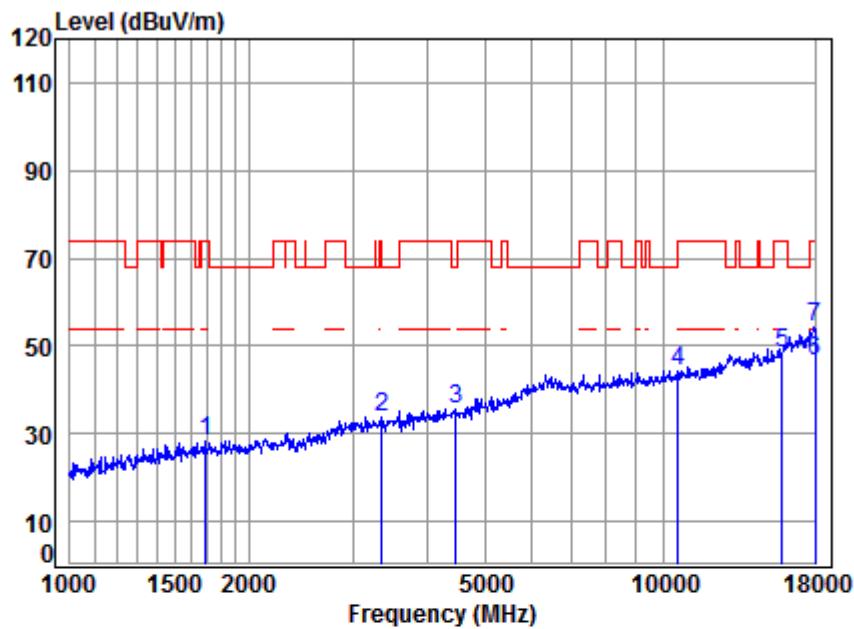
Job No : C0005

Mode : 5210 TX RSE

Note : 5G WIFI 11AC80

	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
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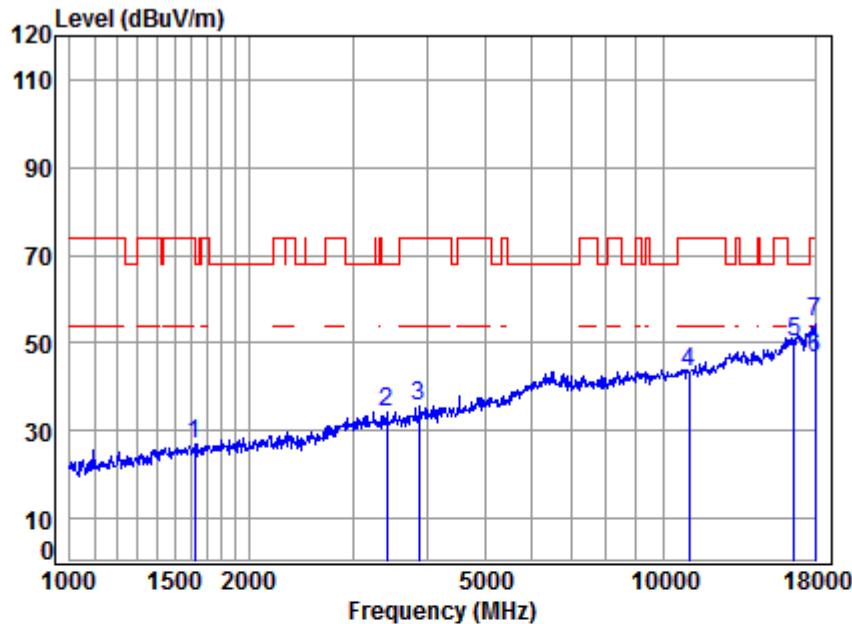
1	1677.621	5.25	26.58	40.82	37.30	28.31	74.00	-45.69	peak
2	3308.894	6.29	31.41	41.86	38.25	34.09	68.20	-34.11	peak
3	3890.255	6.87	32.49	42.62	40.00	36.74	74.00	-37.26	peak
4	10420.000	11.24	37.73	38.00	31.71	42.68	68.20	-25.52	peak
5	15630.000	14.44	40.78	40.59	34.41	49.04	74.00	-24.96	peak
6	17896.250	16.02	43.38	40.22	28.18	47.36	54.00	-6.64	Average
7	17896.250	16.02	43.38	40.22	36.34	55.52	74.00	-18.48	peak

**4.8.2.110 11AC80\_58\_Verical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5290 TX RSE  
Note : 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

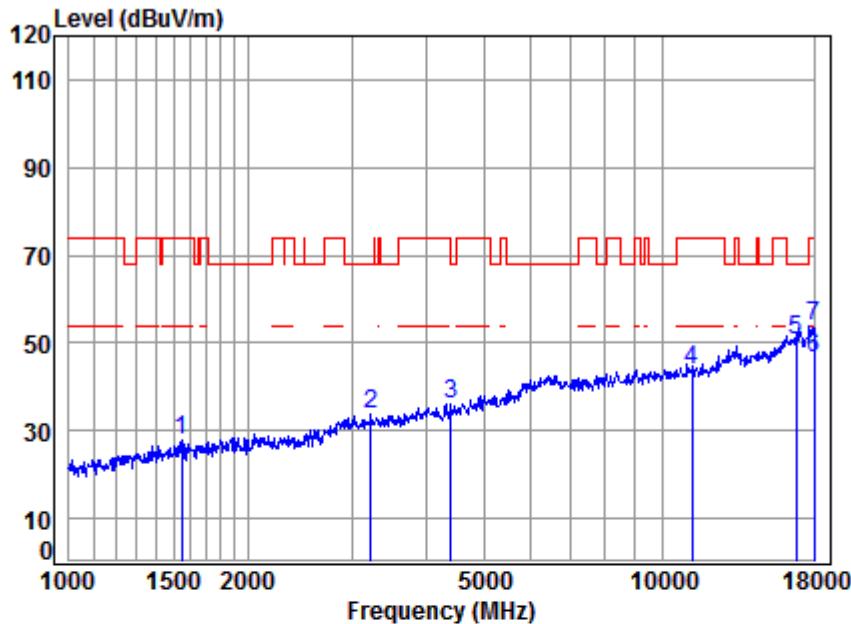
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1692.231	5.24	26.64	40.83	37.35	28.40	74.00	-45.60 peak
2	3357.061	6.33	31.48	41.93	38.06	33.94	74.00	-40.06 peak
3	4469.214	7.53	33.55	43.27	37.98	35.79	68.20	-32.41 peak
4	10580.000	11.35	37.72	38.08	33.10	44.09	68.20	-24.11 peak
5	15870.000	14.80	40.92	40.55	33.35	48.52	74.00	-25.48 peak
6	18000.000	16.13	43.50	40.20	26.90	46.33	54.00	-7.67 Average
7	18000.000	16.13	43.50	40.20	34.75	54.18	74.00	-19.82 peak

**4.8.2.111 11AC80\_106\_Ver**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5530 TX RSE  
Note : 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
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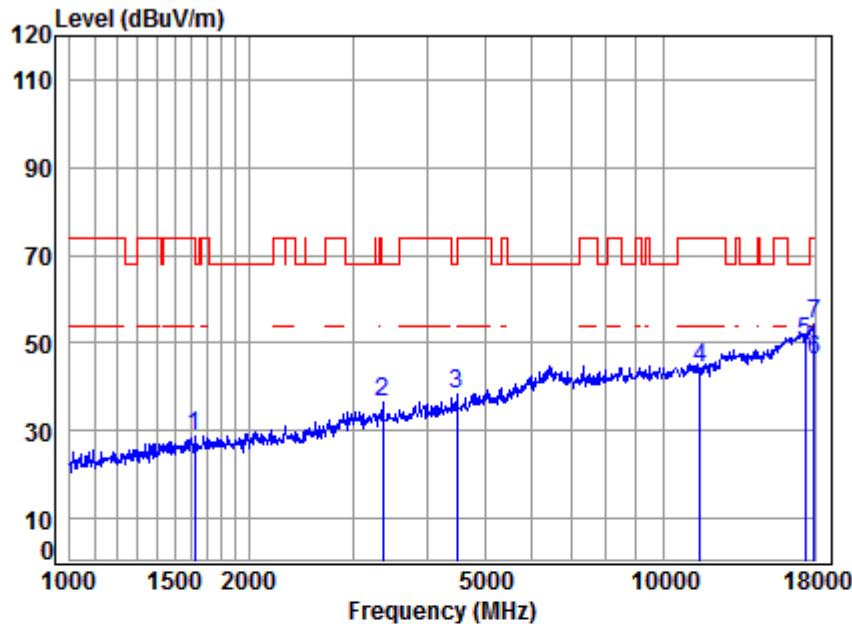
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1620.431	5.32	26.34	40.78	36.17	27.05	74.00	-46.95	peak
2	3415.787	6.38	31.57	42.01	38.21	34.15	68.20	-34.05	peak
3	3879.027	6.86	32.47	42.61	38.85	35.57	74.00	-38.43	peak
4	11060.000	11.69	37.81	38.30	32.34	43.54	74.00	-30.46	peak
5	16590.000	14.90	42.27	40.42	33.24	49.99	68.20	-18.21	peak
6	18000.000	16.13	43.50	40.20	26.98	46.41	54.00	-7.59	Average
7	18000.000	16.13	43.50	40.20	35.14	54.57	74.00	-19.43	peak

**4.8.2.112 11AC80\_122\_Ver**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5610 TX RSE  
Note : 5G WIFI 11AC80

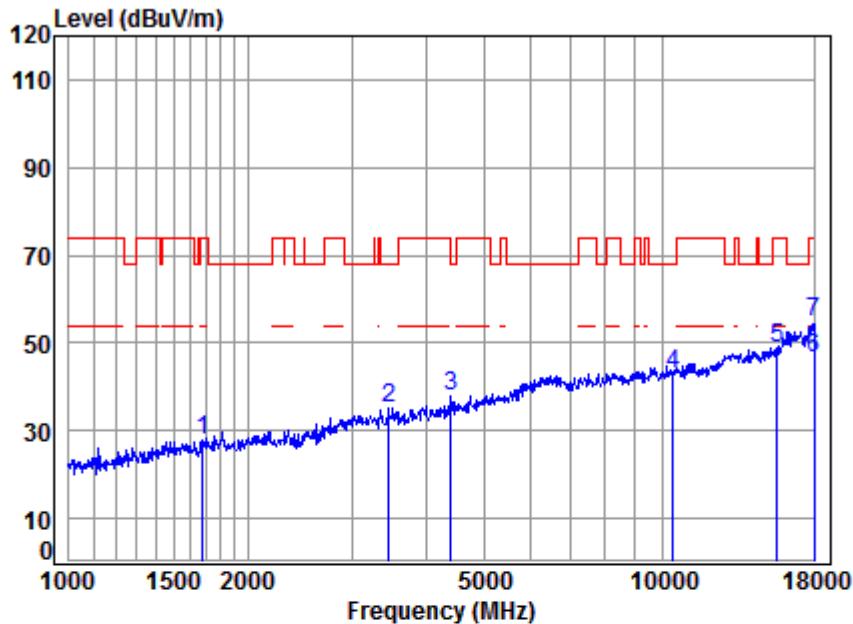
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1547.199	5.42	26.02	40.74	36.98	27.68	74.00	-46.32	peak
2	3223.928	6.20	31.27	41.74	38.06	33.79	68.20	-34.41	peak
3	4405.090	7.46	33.44	43.20	38.44	36.14	68.20	-32.06	peak
4	11220.000	11.86	37.84	38.37	32.42	43.75	74.00	-30.25	peak
5	16830.000	15.97	42.47	40.38	32.39	50.45	68.20	-17.75	peak
6	18000.000	16.13	43.50	40.20	27.23	46.66	54.00	-7.34	Average
7	18000.000	16.13	43.50	40.20	34.25	53.68	74.00	-20.32	peak

**4.8.2.113 11AC80\_155\_Ver**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5775 TX RSE  
Note : 5G WIFI 11AC80

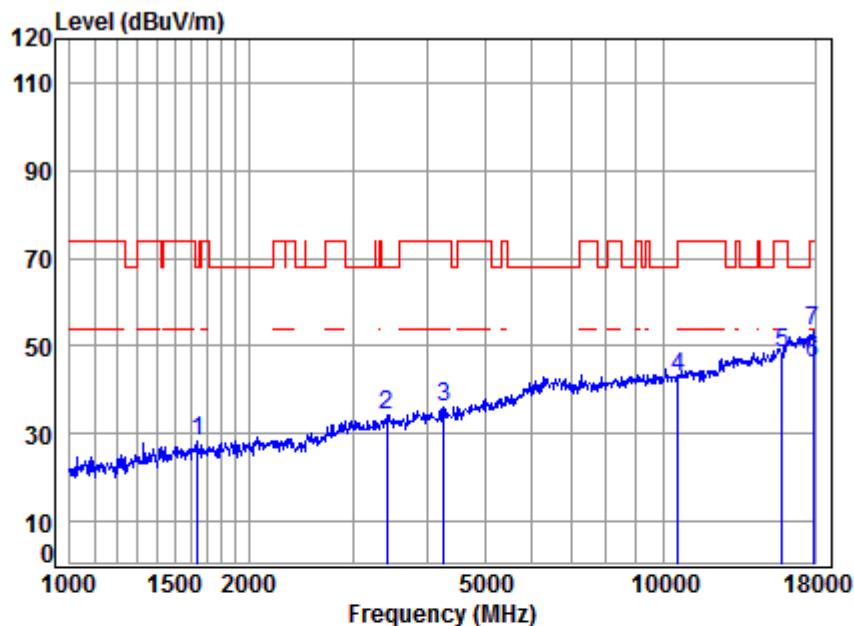
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1620.431	5.32	26.34	40.78	37.89	28.77	74.00	-45.23	peak
2	3366.778	6.34	31.50	41.94	40.41	36.31	68.20	-31.89	peak
3	4482.150	7.54	33.57	43.29	40.60	38.42	68.20	-29.78	peak
4	11550.000	12.16	37.88	38.51	32.83	44.36	74.00	-29.64	peak
5	17325.000	15.98	42.80	40.30	31.63	50.11	68.20	-18.09	peak
6	17948.050	16.08	43.44	40.21	26.80	46.11	54.00	-7.89	Average
7	17948.050	16.08	43.44	40.21	34.96	54.27	74.00	-19.73	peak

**4.8.2.114 11AC80\_42\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5210 TX RSE  
Note : 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark
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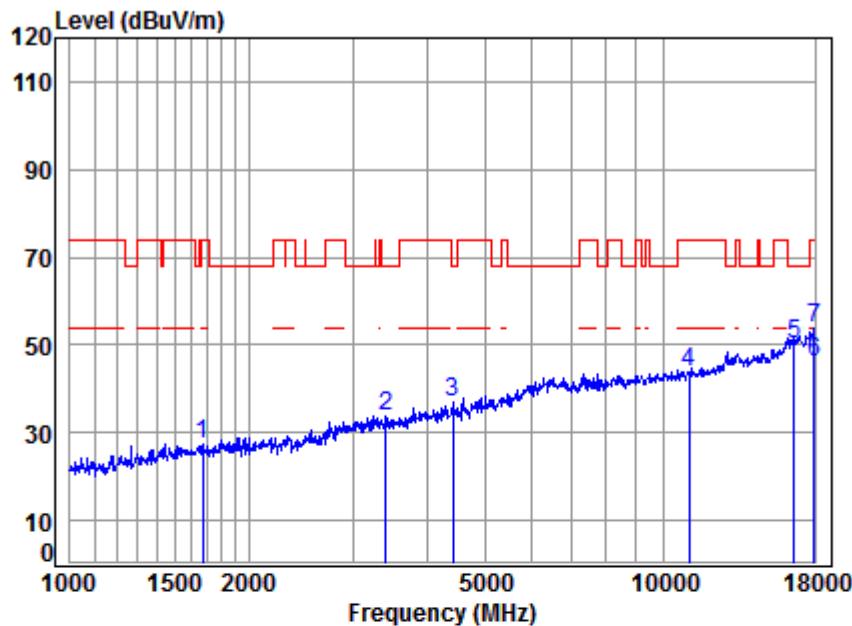
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1677.621	5.25	26.58	40.82	36.87	27.88	74.00	-46.12 peak
2	3455.508	6.42	31.63	42.06	38.97	34.96	68.20	-33.24 peak
3	4405.090	7.46	33.44	43.20	40.00	37.70	68.20	-30.50 peak
4	10420.000	11.24	37.73	38.00	32.14	43.11	68.20	-25.09 peak
5	15630.000	14.44	40.78	40.59	34.08	48.71	74.00	-25.29 peak
6	18000.000	16.13	43.50	40.20	27.06	46.49	54.00	-7.51 Average
7	18000.000	16.13	43.50	40.20	35.42	54.85	74.00	-19.15 peak

**4.8.2.115 11AC80\_58\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5290 TX RSE  
Note : 5G WIFI 11AC80

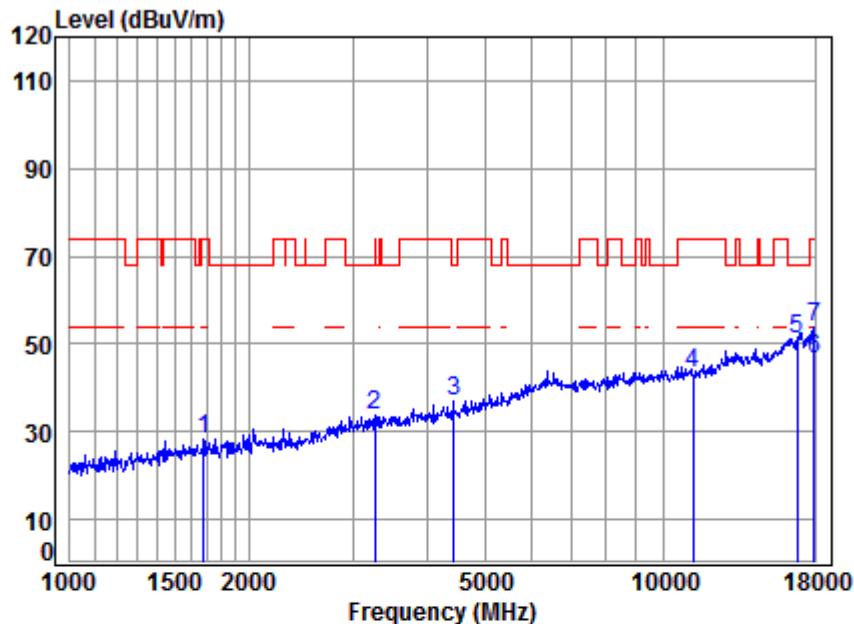
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1639.274	5.30	26.42	40.79	37.38	28.31	68.20	-39.89 peak
2	3425.675	6.39	31.59	42.02	38.43	34.39	68.20	-33.81 peak
3	4267.237	7.30	33.19	43.06	38.84	36.27	74.00	-37.73 peak
4	10580.000	11.35	37.72	38.08	31.90	42.89	68.20	-25.31 peak
5	15870.000	14.80	40.92	40.55	33.13	48.30	74.00	-25.70 peak
6	17896.250	16.02	43.38	40.22	26.71	45.89	54.00	-8.11 Average
7	17896.250	16.02	43.38	40.22	34.07	53.25	74.00	-20.75 peak

**4.8.2.116 11AC80\_106\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5530 TX RSE  
Note : 5G WIFI 11AC80

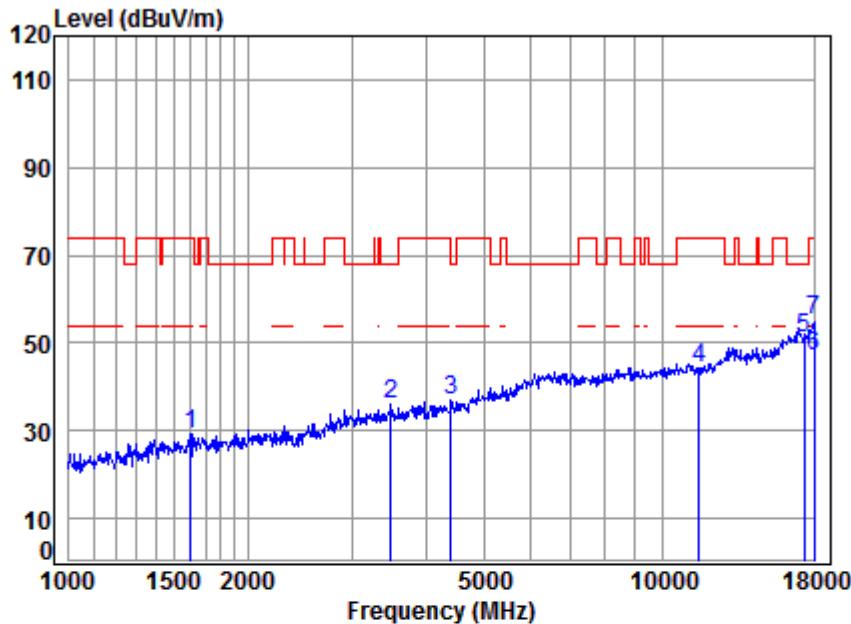
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1672.779	5.26	26.56	40.82	36.55	27.55	74.00	-46.45	peak
2	3405.929	6.38	31.56	42.00	37.83	33.77	68.20	-34.43	peak
3	4417.841	7.47	33.46	43.22	39.17	36.88	68.20	-31.32	peak
4	11060.000	11.69	37.81	38.30	32.54	43.74	74.00	-30.26	peak
5	16590.000	14.90	42.27	40.42	33.45	50.20	68.20	-18.00	peak
6	17948.050	16.08	43.44	40.21	26.71	46.02	54.00	-7.98	Average
7	17948.050	16.08	43.44	40.21	34.40	53.71	74.00	-20.29	peak

**4.8.2.117 11AC80\_122\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5610 TX RSE  
Note : 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

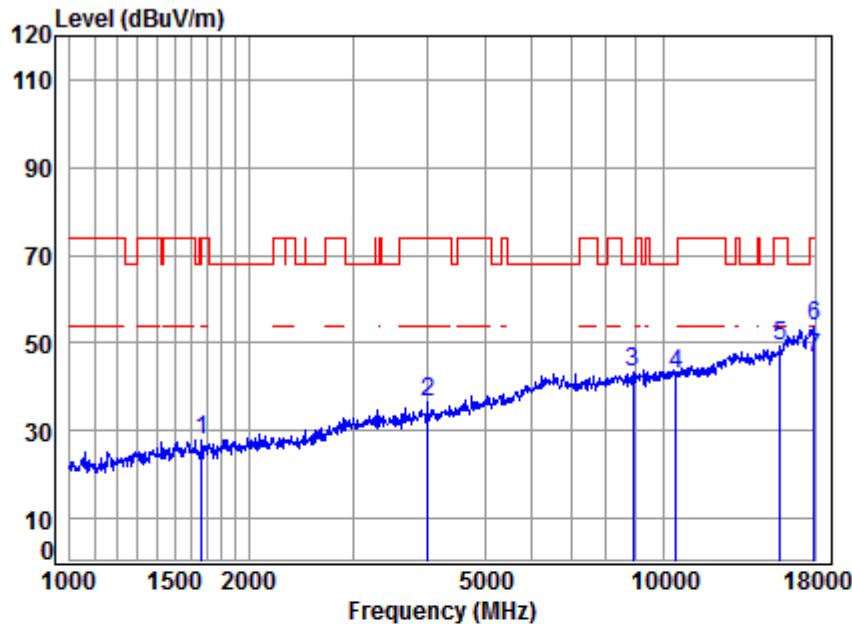
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1677.621	5.25	26.58	40.82	37.15	28.16	74.00	-45.84 peak
2	3261.418	6.24	31.33	41.79	38.06	33.84	74.00	-40.16 peak
3	4430.628	7.48	33.48	43.23	39.39	37.12	68.20	-31.08 peak
4	11220.000	11.86	37.84	38.37	31.97	43.30	74.00	-30.70 peak
5	16830.000	15.97	42.47	40.38	33.04	51.10	68.20	-17.10 peak
6	17948.050	16.08	43.44	40.21	27.21	46.52	54.00	-7.48 Average
7	17948.050	16.08	43.44	40.21	34.35	53.66	74.00	-20.34 peak

**4.8.2.118 11AC80\_155\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5775 TX RSE  
Note : 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1606.441	5.34	26.28	40.77	38.30	29.15	74.00	-44.85 peak
2	3485.601	6.45	31.68	42.10	39.82	35.85	68.20	-32.35 peak
3	4405.090	7.46	33.44	43.20	39.15	36.85	68.20	-31.35 peak
4	11550.000	12.16	37.88	38.51	32.66	44.19	74.00	-29.81 peak
5	17325.000	15.98	42.80	40.30	32.71	51.19	68.20	-17.01 peak
6	18000.000	16.13	43.50	40.20	27.51	46.94	54.00	-7.06 Average
7	18000.000	16.13	43.50	40.20	35.85	55.28	74.00	-18.72 peak

**4.8.2.119 11AC160\_50\_Peak\_Vertical**

Site : chamber

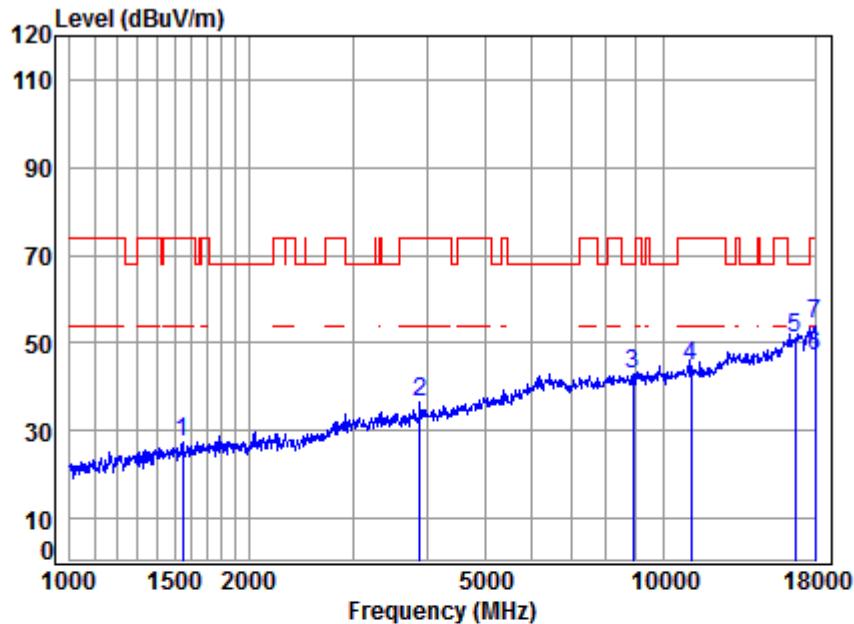
Condition: 3m VERTICAL

Job No : C0005

Mode : 5250 TX SE

Note : 5G WIFI 11AC160

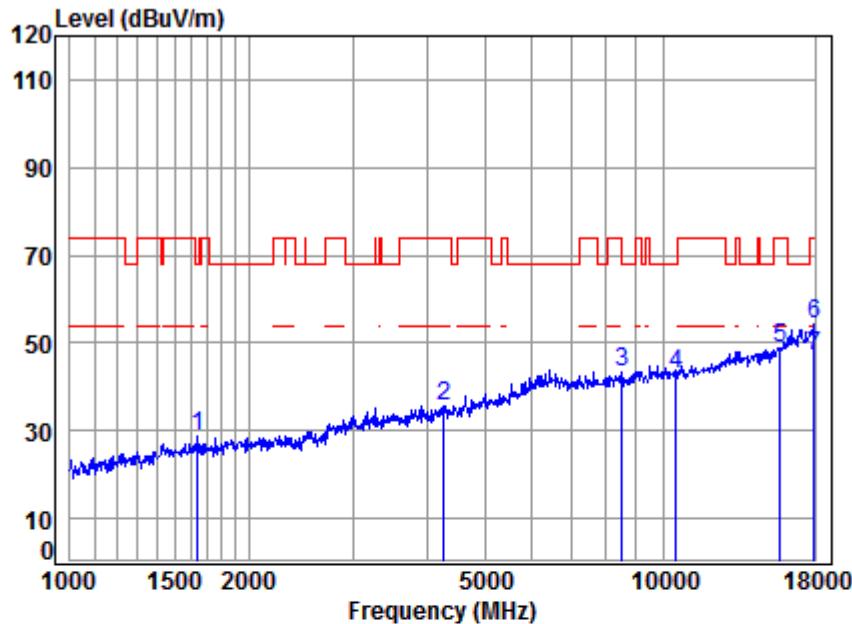
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1667.951	5.27	26.54	40.81	36.97	27.97	74.00	-46.03	peak
2	4004.339	6.99	32.71	42.76	39.47	36.41	74.00	-37.59	peak
3	8891.725	10.37	37.16	39.64	35.24	43.13	68.20	-25.07	peak
4	10500.000	11.29	37.70	38.04	32.02	42.97	68.20	-25.23	peak
5	15750.000	14.62	40.85	40.57	34.22	49.12	74.00	-24.88	peak
6	17948.050	16.08	43.44	40.21	34.35	53.66	74.00	-20.34	Peak
7	17948.050	16.08	43.44	40.21	27.20	46.51	54.00	-7.49	Average

**4.8.2.120 11AC160\_114\_Peak\_Virtual**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5570 TX SE  
Note : 5G WIFI 11AC160

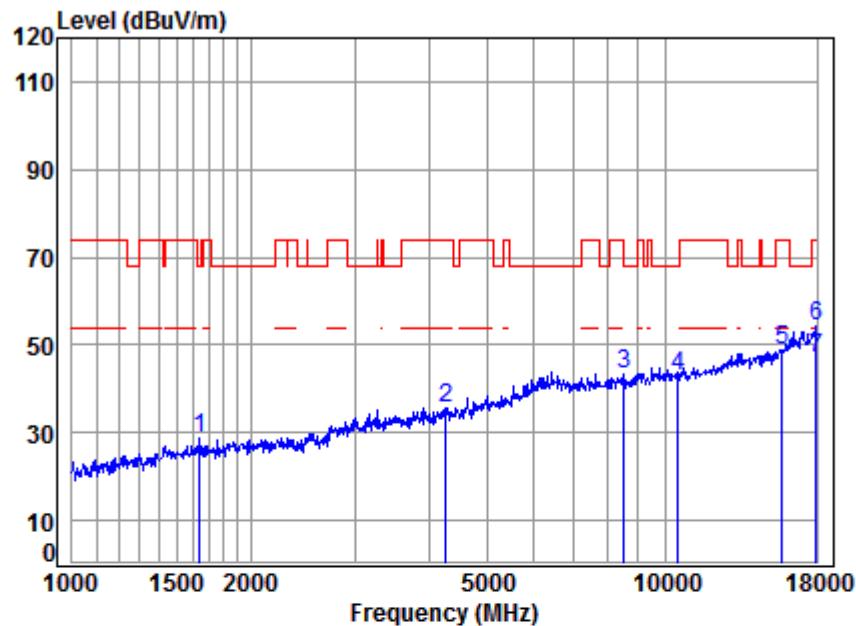
	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
Freq	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	

1	1547.199	5.42	26.02	40.74	36.80	27.50	74.00	-46.50	peak
2	3890.255	6.87	32.49	42.62	39.93	36.67	74.00	-37.33	peak
3	8891.725	10.37	37.16	39.64	34.82	42.71	68.20	-25.49	peak
4	11140.000	11.78	37.83	38.33	33.46	44.74	74.00	-29.26	peak
5	16710.000	15.44	42.37	40.40	33.79	51.20	68.20	-17.00	peak
6	18000.000	16.13	43.50	40.20	27.64	47.07	54.00	-6.93	Average
7	18000.000	16.13	43.50	40.20	34.87	54.30	74.00	-19.70	Peak

**4.8.2.121 11AC160\_50\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5250 TX SE  
Note : 5G WIFI 11AC160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1644.019	5.30	26.44	40.80	37.80	28.74	68.20	-39.46	peak
2	4267.237	7.30	33.19	43.06	38.23	35.66	74.00	-38.34	peak
3	8514.456	10.27	37.01	40.32	36.48	43.44	68.20	-24.76	peak
4	10500.000	11.29	37.70	38.04	32.13	43.08	68.20	-25.12	peak
5	15750.000	14.62	40.85	40.57	33.74	48.64	74.00	-25.36	peak
6	17948.050	16.08	43.44	40.21	35.02	54.33	74.00	-19.67	Peak
7	17948.050	16.08	43.44	40.21	27.68	46.99	54.00	-7.01	Average

**4.8.2.122 11AC160\_114\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5250 TX SE  
Note : 5G WIFI 11AC160

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m	dB	dBuV	dBuV/m
1 1644.019	5.30	26.44	40.80	37.80	28.74	68.20	-39.46	peak
2 4267.237	7.30	33.19	43.06	38.23	35.66	74.00	-38.34	peak
3 8514.456	10.27	37.01	40.32	36.48	43.44	68.20	-24.76	peak
4 10500.000	11.29	37.70	38.04	32.13	43.08	68.20	-25.12	peak
5 15750.000	14.62	40.85	40.57	33.74	48.64	74.00	-25.36	peak
6 17948.050	16.08	43.44	40.21	35.02	54.33	74.00	-19.67	Peak
7 17948.050	16.08	43.44	40.21	27.68	46.99	54.00	-7.01	Average



Note:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

2) Scan from 9kHz to 40GHz,The disturbance between 9KHz to 30MHz and 18GHz to 40GHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported .

3) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.

4)CH50(5250MHz) of the full band (160MHz) both meet the requirements for 5150MHz-5250MHz and 5250MHz-5350MHz.

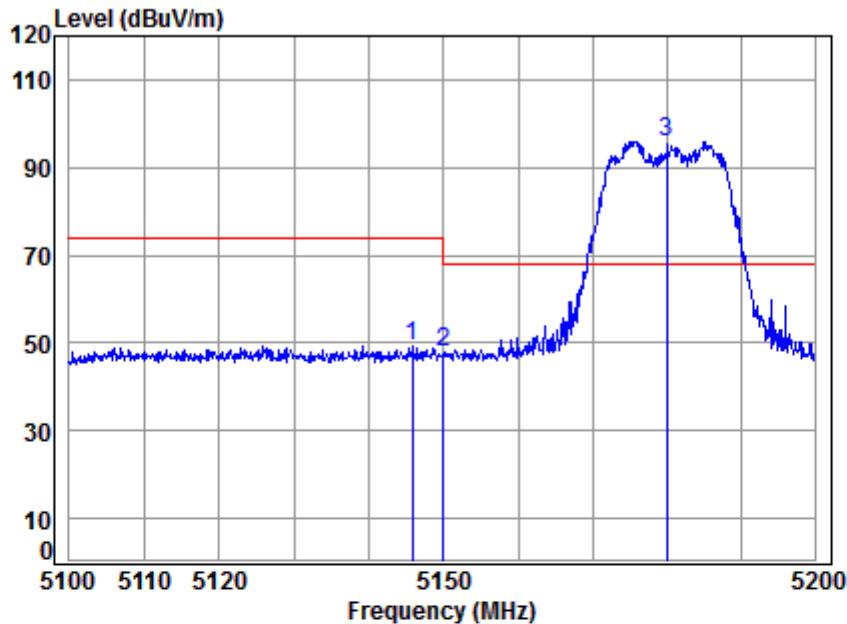
5) All modes have been tested, but only the worst case data displayed in this report.

## 4.9 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15 Section 15.407(b)		
Test Method:	ANSI C63.10: 2013		
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)		
Limit:	Frequency	Limit (dBuV/m @3m)	Remark
	30MHz-88MHz	40.0	Quasi-peak Value
	88MHz-216MHz	43.5	Quasi-peak Value
	216MHz-960MHz	46.0	Quasi-peak Value
	960MHz-1GHz	54.0	Quasi-peak Value
	Above 1GHz	54.0	Average Value
		74.0	Peak Value
Test Setup:			



Test Procedure:	<ol style="list-style-type: none"><li>a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</li><li>b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li><li>c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li><li>d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li><li>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li><li>f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel</li><li>g. Test the EUT in the outermost channels.</li><li>h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.</li><li>i. Repeat above procedures until all frequencies measured was complete.</li></ol>
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); MCSAC0 of rate is the worst case of 802.11ac(HT20); MCSAC0 of rate is the worst case of 802.11ac(HT40); MCSAC0 of rate is the worst case of 802.11ac(HT80); MCSAC0 of rate is the worst case of 802.11ac(HT160) Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

**4.9.1 CDD & MIMO****4.9.1.1 11A20\_36\_Peak\_Vertical**

Site : chamber

Condition: 3m VERTICAL

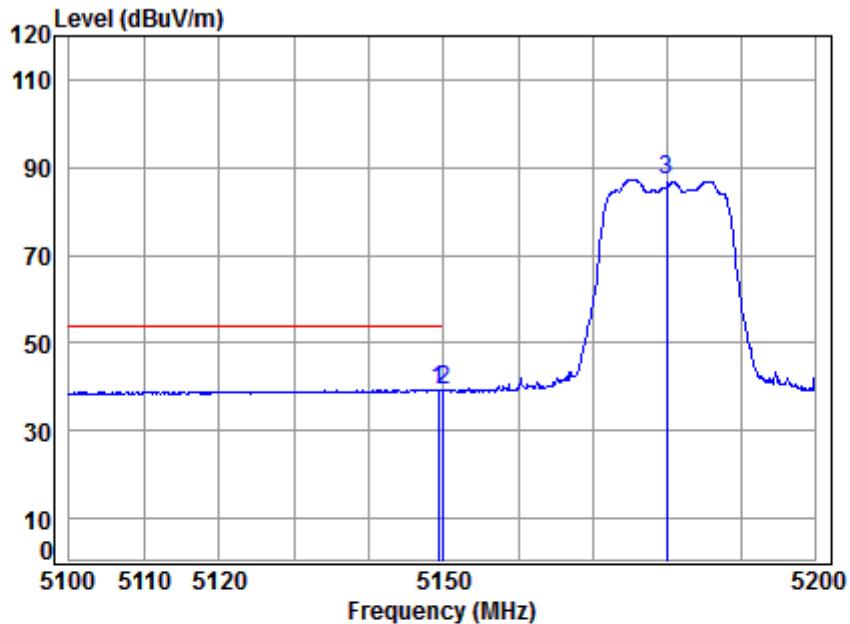
Job No : C0005

Mode : 5180 Band edge

NOTE : 5G WIFI 11A

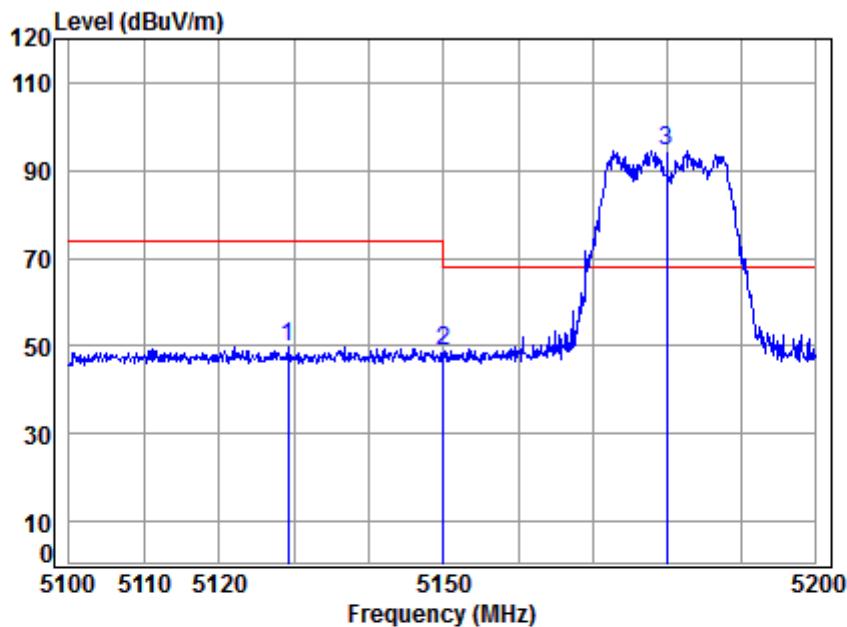
: CDD

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5145.859	8.32	34.32	43.65	50.43	49.42	74.00	-24.58 Peak
2	5149.980	8.33	34.32	43.64	48.94	47.95	74.00	-26.05 Peak
3 *	5180.000	8.37	34.35	43.61	96.88	95.99	68.20	27.79 Peak

**4.9.1.2 11A20\_36\_Average\_Vertical**

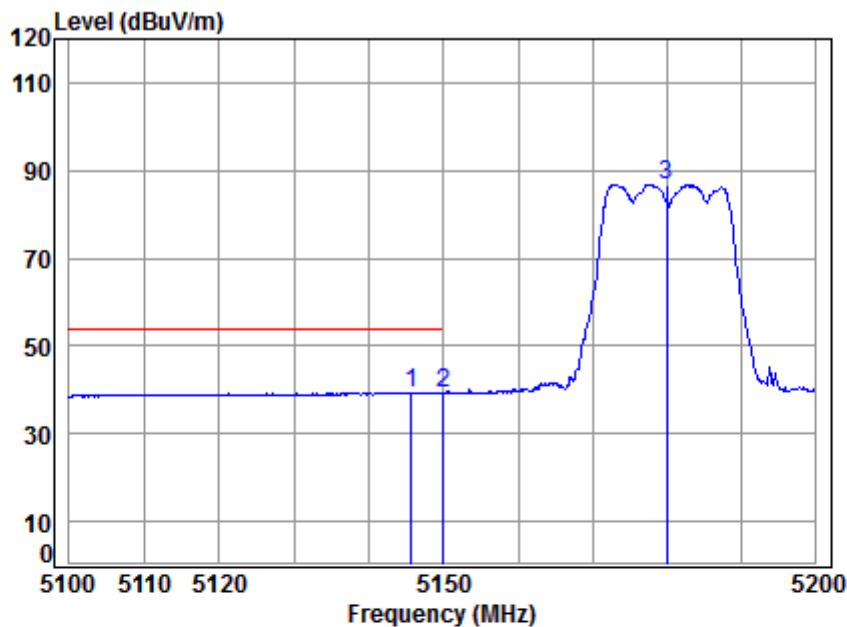
Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5180 Band edge  
NOTE : 5G WIFI 11A  
: CDD

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.257	8.32	34.32	43.64	40.39	39.39	54.00	-14.61	Average
2	5149.980	8.33	34.32	43.64	40.39	39.40	54.00	-14.60	Average
3	5180.000	8.37	34.35	43.61	88.15	87.26	-----	-----	Average

**4.9.1.3 11A20\_36\_Peak\_Horizontal**

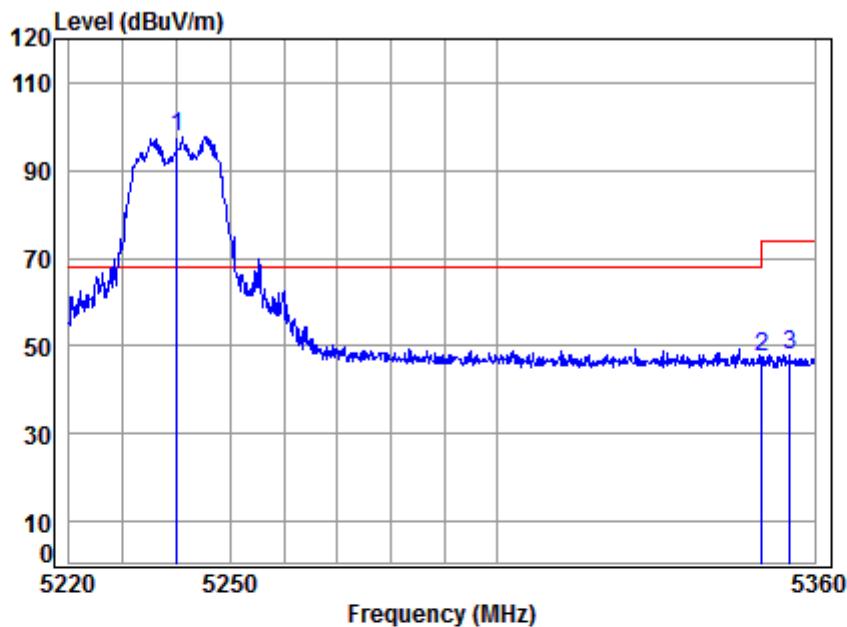
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5180 Band edge  
NOTE : 5G WIFI 11A  
: CDD

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5129.199	8.29	34.31	43.66	50.81	49.75	74.00	-24.25 peak
2	5149.980	8.33	34.32	43.64	49.99	49.00	74.00	-25.00 peak
3 *	5180.000	8.37	34.35	43.61	95.51	94.62	68.20	26.42 peak

**4.9.1.4 11A20\_36\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5180 Band edge  
NOTE : 5G WIFI 11A  
: CDD

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5145.659	8.32	34.32	43.65	40.46	39.45	54.00	-14.55 Average
2 5149.980	8.33	34.32	43.64	40.41	39.42	54.00	-14.58 Average
3 5180.000	8.37	34.35	43.61	87.77	86.88	-----	----- Average

**4.9.1.5 11A20\_48\_Peak\_Vertical**

Site : chamber

Condition: 3m VERTICAL

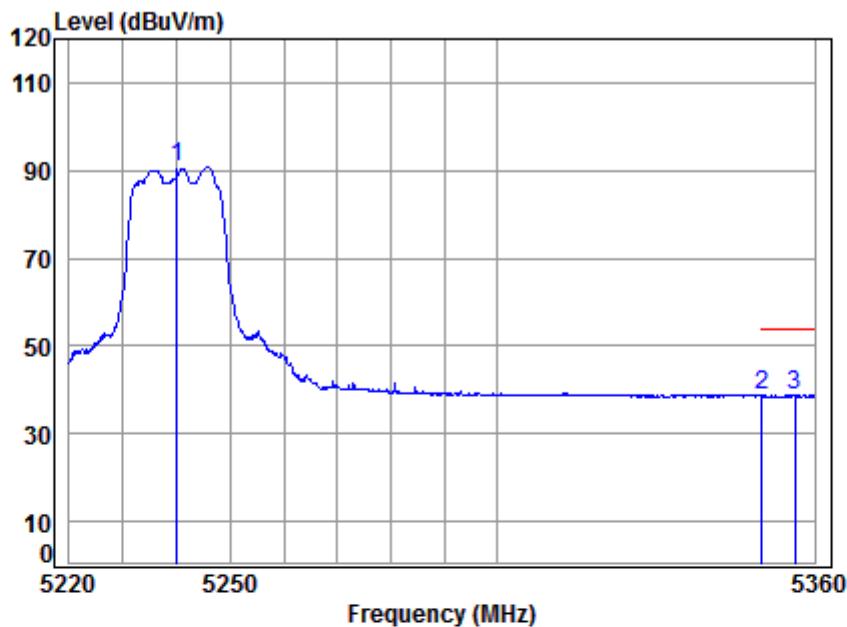
Job No : C0005

Mode : 5240 Band edge

NOTE : 5G WIFI 11A

: CDD

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	8.46	34.40	43.55	98.54	97.85	68.20	29.65 Peak
2 5350.020	8.63	34.48	43.44	47.63	47.30	74.00	-26.70 Peak
3 5355.321	8.64	34.49	43.43	48.37	48.07	74.00	-25.93 Peak

**4.9.1.6 11A20\_48\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

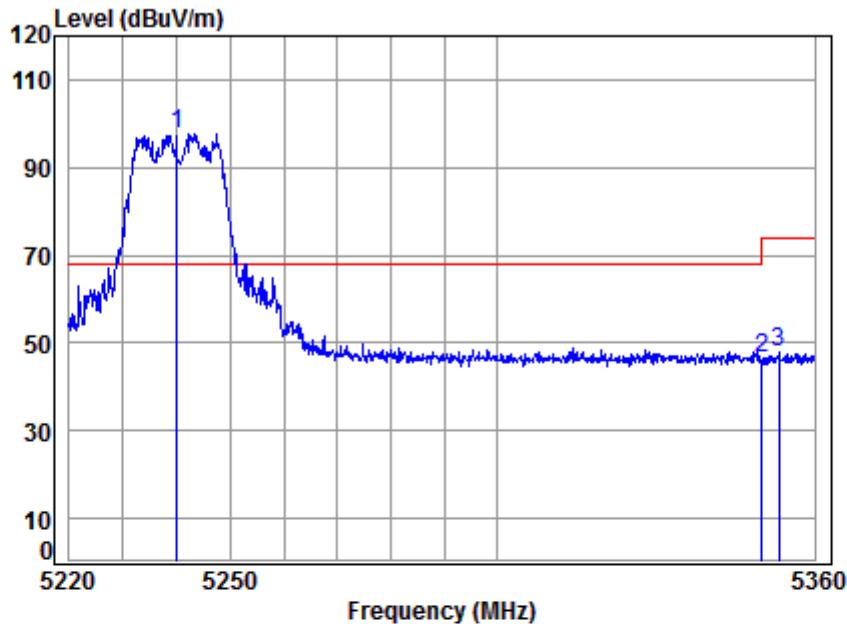
Mode : 5240 Band edge

NOTE : 5G WIFI 11A

: CDD

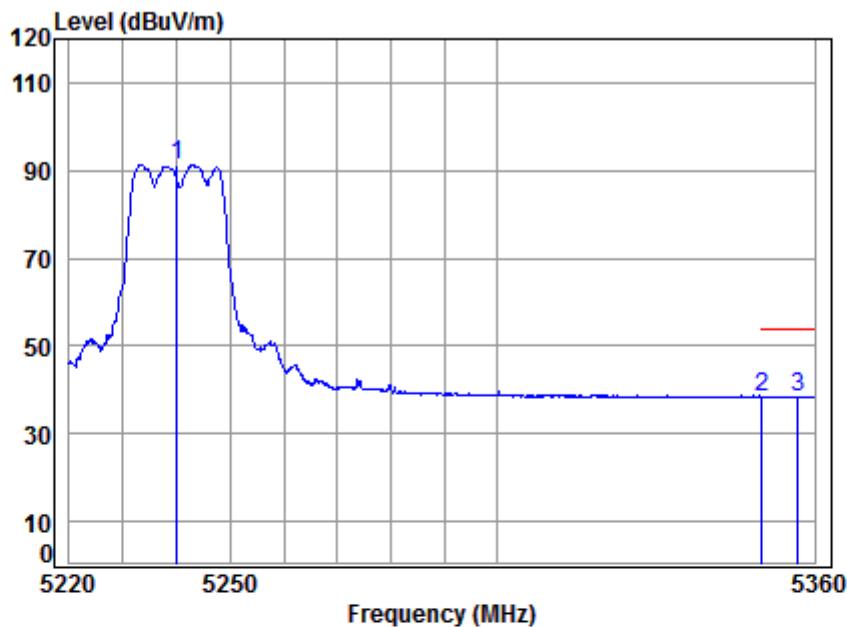
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	8.46	34.40	43.55	91.50	90.81	-----	-----
2	5350.020	8.63	34.48	43.44	39.02	38.69	54.00	-15.31
3	5356.171	8.64	34.49	43.43	39.10	38.80	54.00	-15.20

**4.9.1.7 11A20\_48\_Peak\_Horizontal**

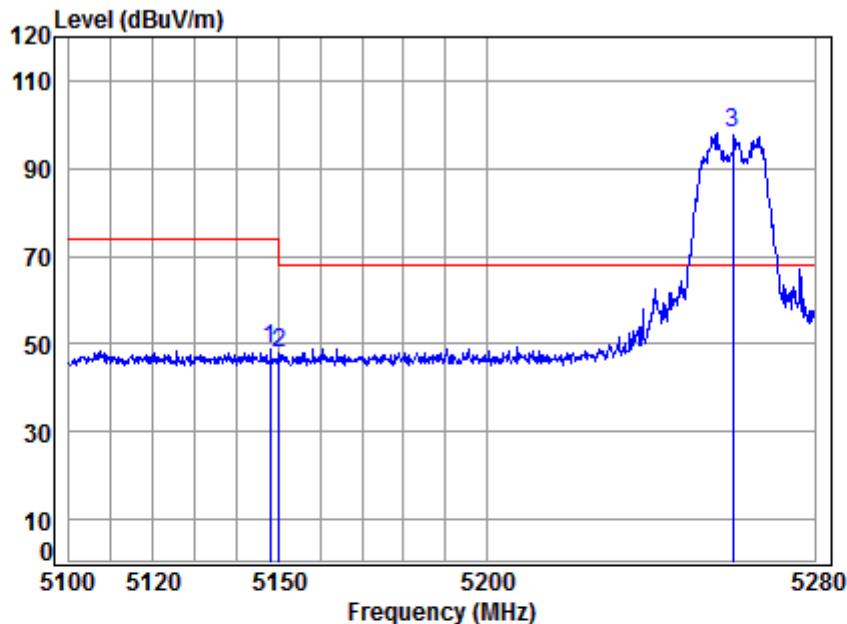
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5240 Band edge  
NOTE : 5G WIFI 11A  
: CDD

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	8.46	34.40	43.55	98.31	97.62	68.20	29.42 peak
2 5350.020	8.63	34.48	43.44	47.03	46.70	74.00	-27.30 peak
3 5353.195	8.63	34.49	43.44	48.02	47.70	74.00	-26.30 peak

**4.9.1.8 11A20\_48\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5240 Band edge  
NOTE : 5G WIFI 11A  
: CDD

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	8.46	34.40	43.55	92.04	91.35	-----	Average
2	5350.020	8.63	34.48	43.44	38.64	38.31	54.00	-15.69 Average
3	5356.880	8.64	34.49	43.43	38.77	38.47	54.00	-15.53 Average

**4.9.1.9 11A20\_52\_Peak\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

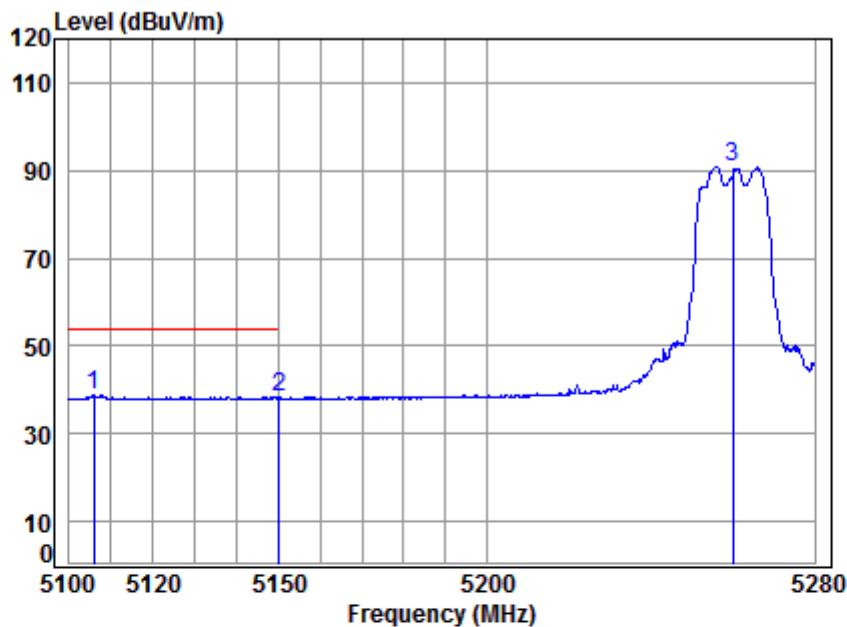
Mode : 5260 Band edge

NOTE : 5G WIFI 11A

: CDD

	Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
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	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.986	8.32	34.32	43.64	49.66	48.66	74.00	-25.34	Peak
2	5149.980	8.33	34.32	43.64	48.80	47.81	74.00	-26.19	Peak
3 *	5260.000	8.49	34.41	43.53	98.66	98.03	68.20	29.83	Peak

**4.9.1.10 11A20\_52\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

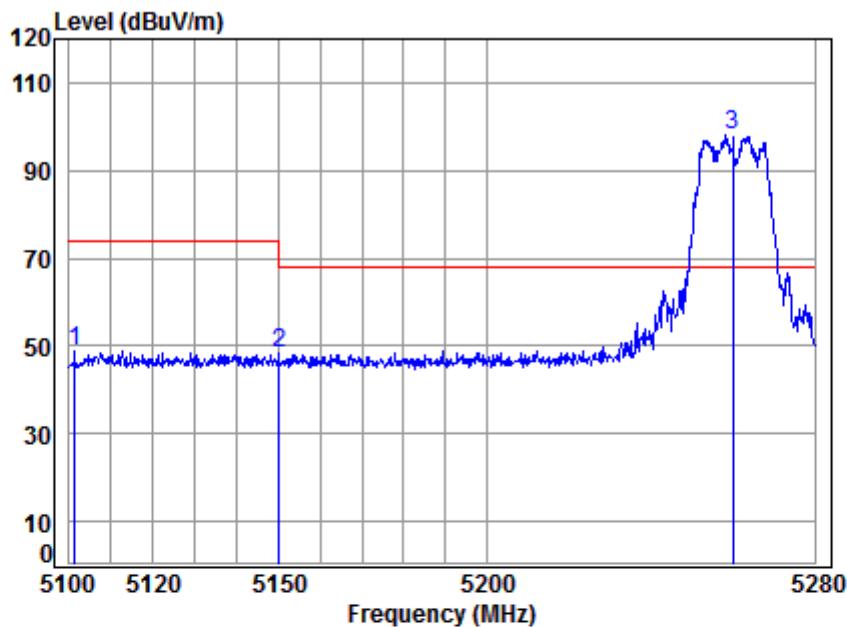
Mode : 5260 Band edge

NOTE : 5G WIFI 11A

: CDD

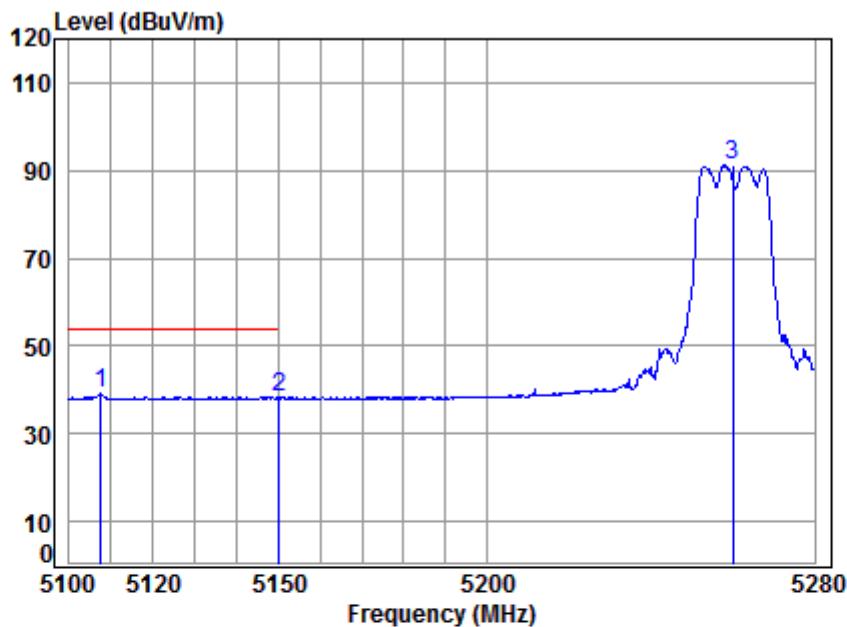
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5105.841	8.26	34.29	43.69	39.76	38.62	54.00	-15.38	Average
2	5149.980	8.33	34.32	43.64	39.22	38.23	54.00	-15.77	Average
3	5260.000	8.49	34.41	43.53	91.44	90.81	-----	-----	Average

**4.9.1.11 11A20\_52\_Peak\_Horizontal**

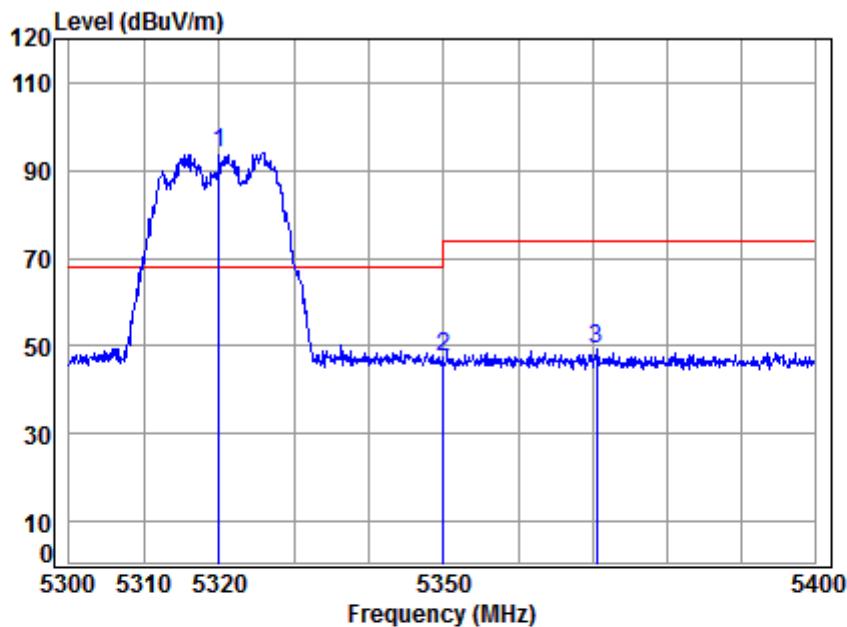
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5260 Band edge  
NOTE : 5G WIFI 11A  
: CDD

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5101.238	8.25	34.28	43.69	50.10	48.94	74.00	-25.06 peak
2	5149.980	8.33	34.32	43.64	49.15	48.16	74.00	-25.84 peak
3 *	5260.000	8.49	34.41	43.53	98.94	98.31	68.20	30.11 peak

**4.9.1.12 11A20\_52\_Average\_Horizontal**

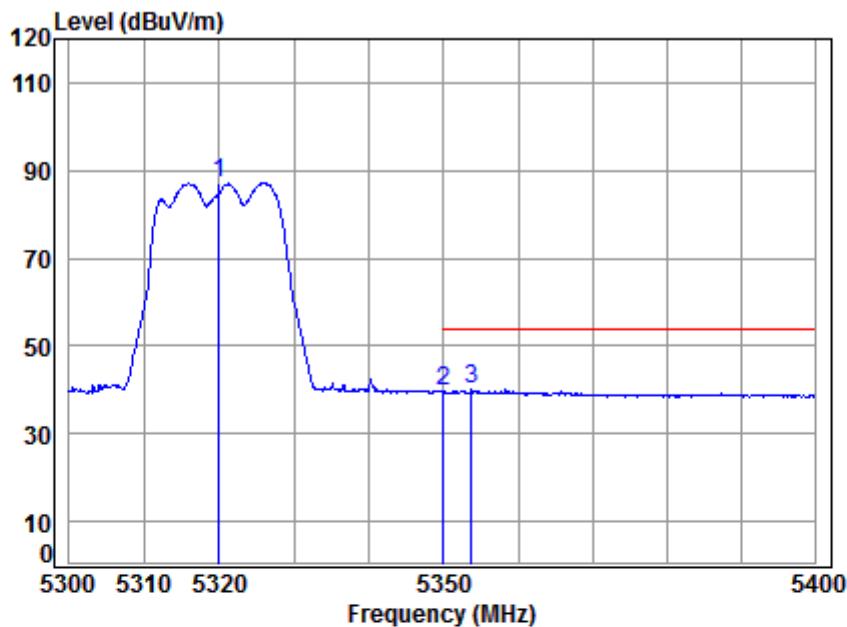
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5260 Band edge  
NOTE : 5G WIFI 11A  
: CDD

Freq	Cable	Ant	Preamp	Read	Limit	Line	Over	Remark
	Loss	Factor	Factor	Level				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5107.435	8.26	34.29	43.69	40.21	39.07	54.00	-14.93	Average
2 5149.980	8.33	34.32	43.64	39.21	38.22	54.00	-15.78	Average
3 5260.000	8.49	34.41	43.53	91.70	91.07	-----	-----	Average

**4.9.1.13 11A20\_64\_Peak\_Vertical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5320 Band edge  
NOTE : 5G WIFI 11A  
: CDD

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	8.58	34.46	43.47	94.47	94.04	68.20	25.84 Peak
2 5350.020	8.63	34.48	43.44	47.71	47.38	74.00	-26.62 Peak
3 5370.506	8.66	34.50	43.42	49.45	49.19	74.00	-24.81 Peak

**4.9.1.14 11A20\_64\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

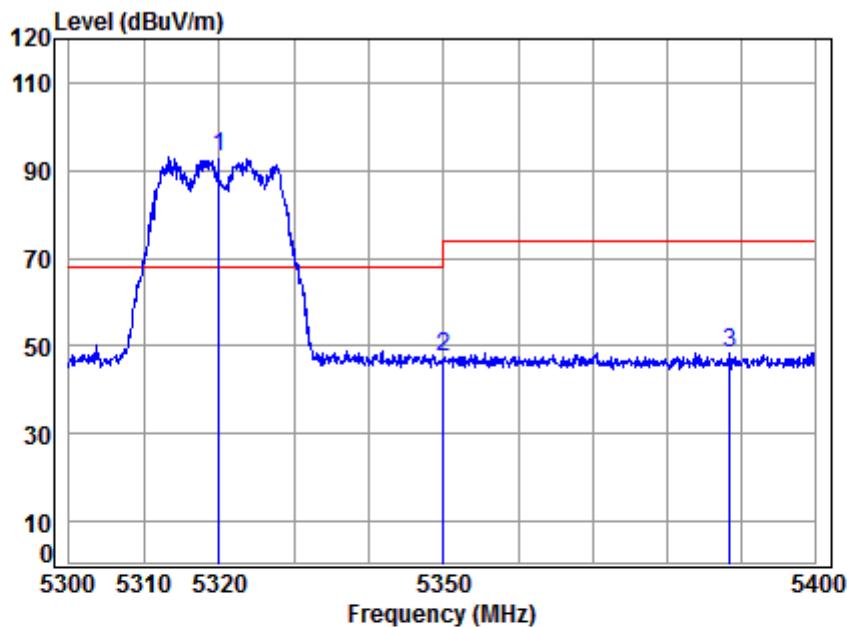
Mode : 5320 Band edge

NOTE : 5G WIFI 11A

: CDD

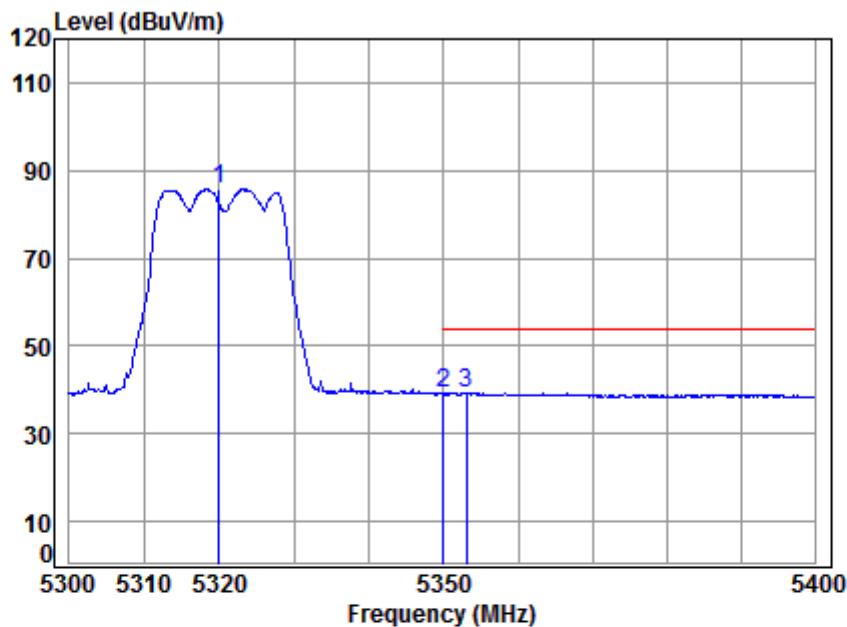
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	8.58	34.46	43.47	87.52	87.09	-----	-----
2	5350.020	8.63	34.48	43.44	40.06	39.73	54.00	-14.27
3	5353.768	8.64	34.49	43.44	40.32	40.01	54.00	-13.99

**4.9.1.15 11A20\_64\_Peak\_Horizontal**

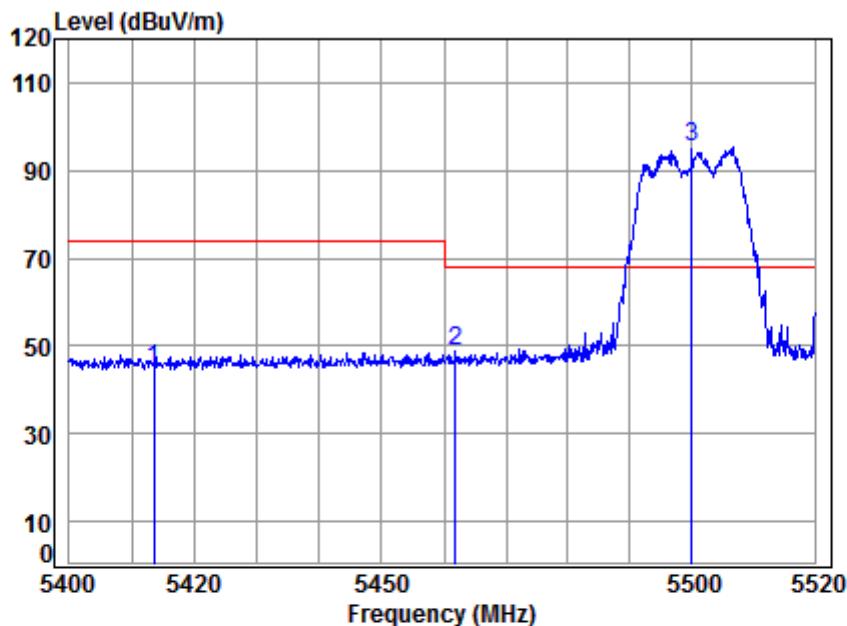
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5320 Band edge  
NOTE : 5G WIFI 11A  
: CDD

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	8.58	34.46	43.47	93.45	93.02	68.20	24.82 peak
2 5350.020	8.63	34.48	43.44	47.74	47.41	74.00	-26.59 peak
3 5388.505	8.69	34.51	43.40	48.65	48.45	74.00	-25.55 peak

**4.9.1.16 11A20\_64\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5320 Band edge  
NOTE : 5G WIFI 11A  
: CDD

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	8.58	34.46	43.47	86.16	85.73	-----	Average
2	5350.020	8.63	34.48	43.44	39.49	39.16	54.00	-14.84 Average
3	5353.067	8.63	34.49	43.44	39.62	39.30	54.00	-14.70 Average

**4.9.1.17 11A20\_100\_Peak\_Verical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

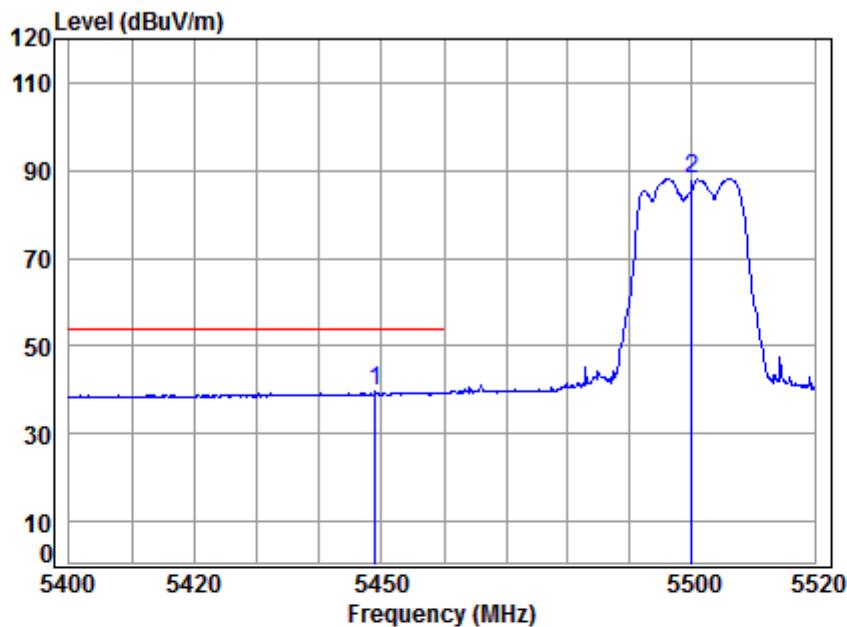
Mode : 5500 Band edge

NOTE : 5G WIFI 11A

: CDD

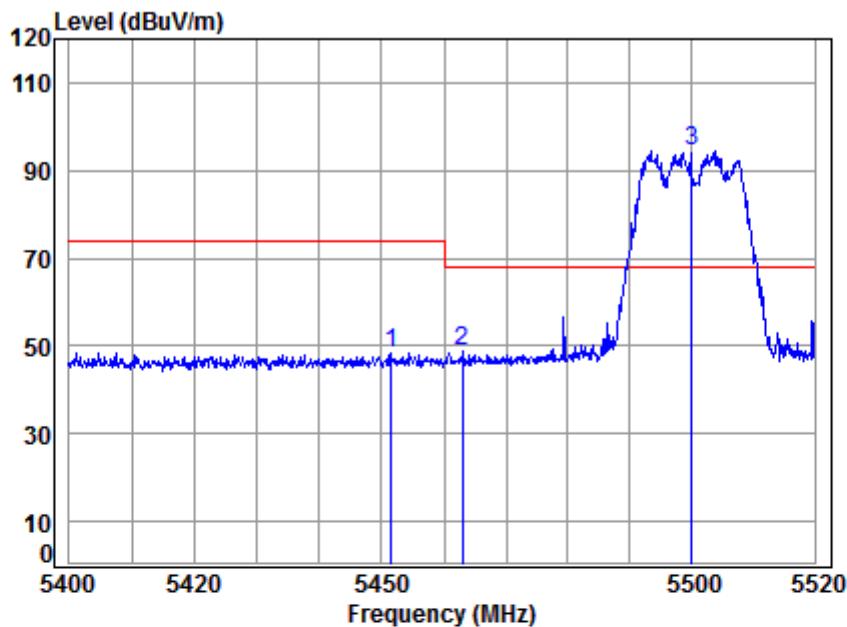
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5413.547	8.72	34.53	43.38	45.04	44.91	74.00	-29.09	Peak
2	5461.831	8.79	34.57	43.33	48.76	48.79	68.20	-19.41	peak
3 *	5500.000	8.85	34.60	43.29	95.05	95.21	68.20	27.01	Peak

**4.9.1.18 11A20\_100\_Average\_Vertical**

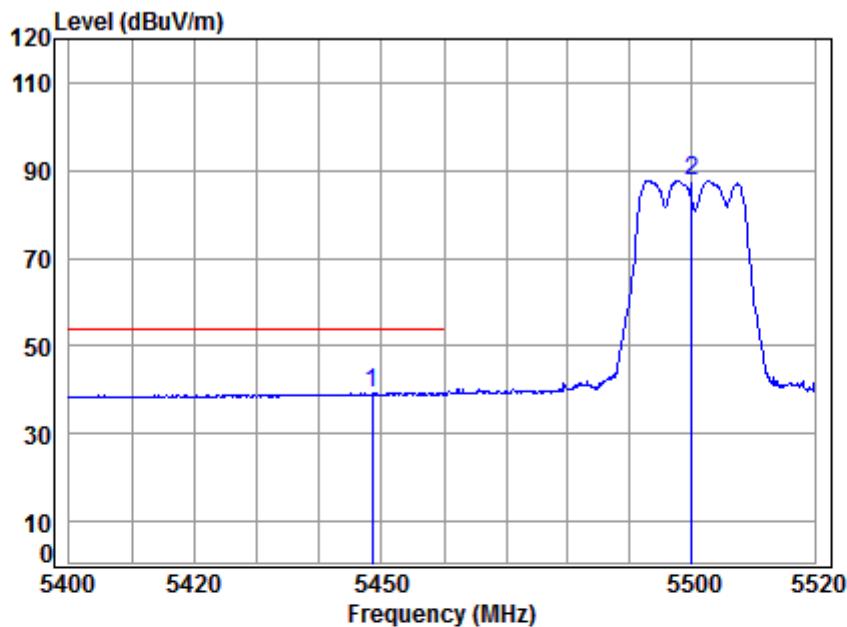
Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5500 Band edge  
NOTE : 5G WIFI 11A  
: CDD

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5449.001	8.78	34.56	43.34	39.64	39.64	54.00	-14.36 Average
2	5500.000	8.85	34.60	43.29	87.93	88.09	-----	----- Average

**4.9.1.19 11A20\_100\_Peak\_Horizontal**

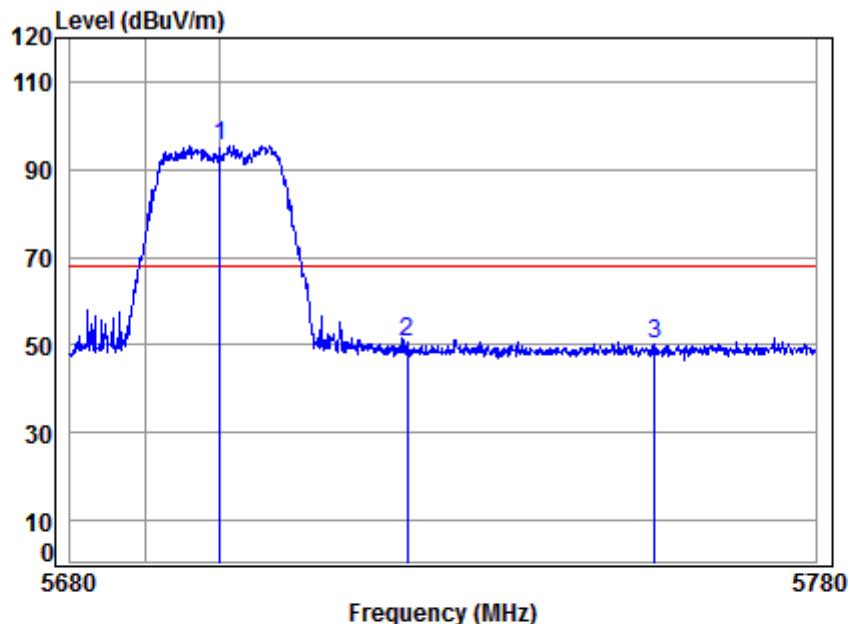
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5500 Band edge  
NOTE : 5G WIFI 11A  
: CDD

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
1	5451.517	8.78	34.56	43.34	48.47	48.47	74.00
2	5462.911	8.80	34.57	43.33	48.58	48.62	68.20
3 *	5500.000	8.85	34.60	43.29	94.16	94.32	68.20
							25.53 peak
							-19.58 peak
							26.12 peak

**4.9.1.20 11A20\_100 \_Average\_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5500 Band edge  
NOTE : 5G WIFI 11A  
: CDD

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5448.522	8.78	34.56	43.34	39.25	39.25	54.00	-14.75 Average
2	5500.000	8.85	34.60	43.29	87.61	87.77	-----	----- Average

**4.9.1.21 11A20\_140\_Peak\_Vertical**

Site : chamber

Condition: 3m VERTICAL

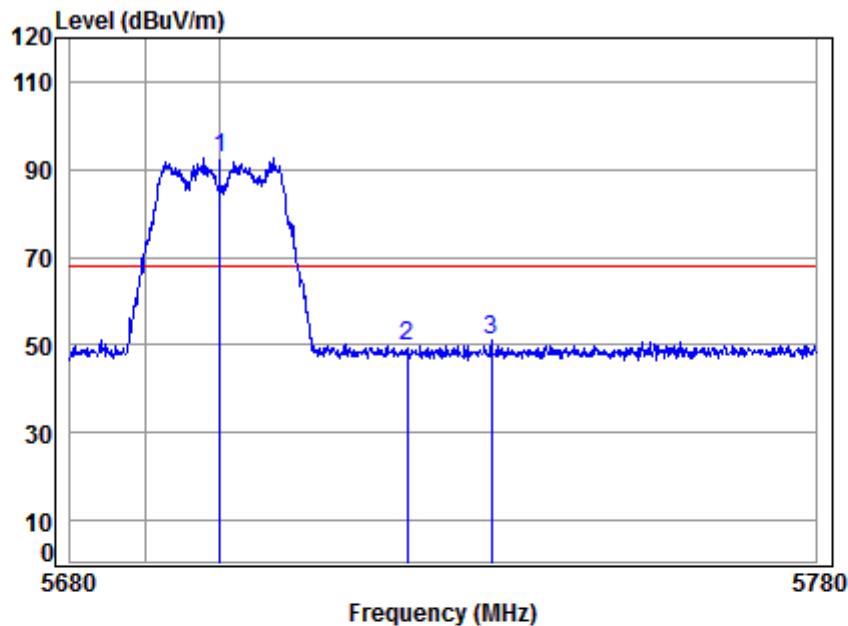
Job No : C0005

Mode : 5700 Band edge

NOTE : 5G WIFI 11A

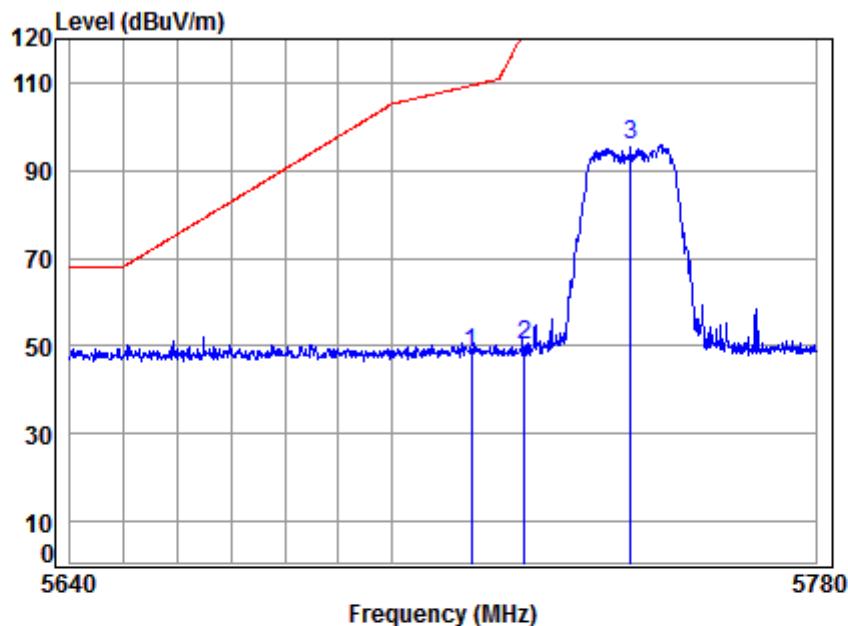
: CDD

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	
1 * 5700.000	9.56	34.81	43.10	94.26	95.53	68.20	27.33 Peak
2 5725.000	9.64	34.83	43.08	49.36	50.75	68.20	-17.45 Peak
3 5758.252	9.76	34.86	43.05	48.46	50.03	68.20	-18.17 Peak

**4.9.1.22 11A20\_140\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5700 Band edge  
NOTE : 5G WIFI 11A  
: CDD

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 *	5700.000	9.56	34.81	43.10	91.52	92.79	68.20	24.59 peak
2	5725.000	9.65	34.83	43.08	48.16	49.56	68.20	-18.64 Peak
3	5736.286	9.68	34.84	43.07	49.43	50.88	68.20	-17.32 peak

**4.9.1.23 11A20\_149 \_Peak\_Verical**

Site : chamber

Condition: 3m VERTICAL

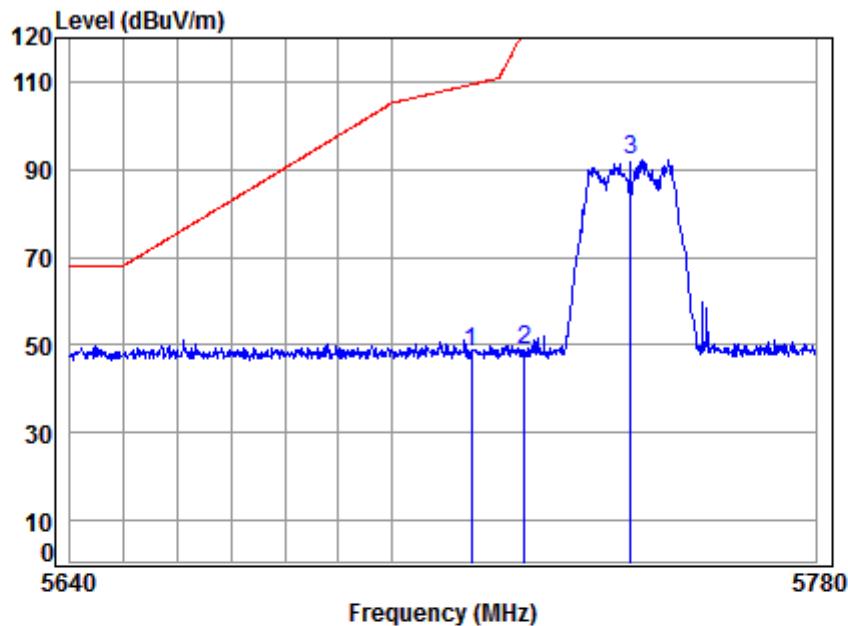
Job No : C0005

Mode : 5745 Band edge

NOTE : 5G WIFI 11A

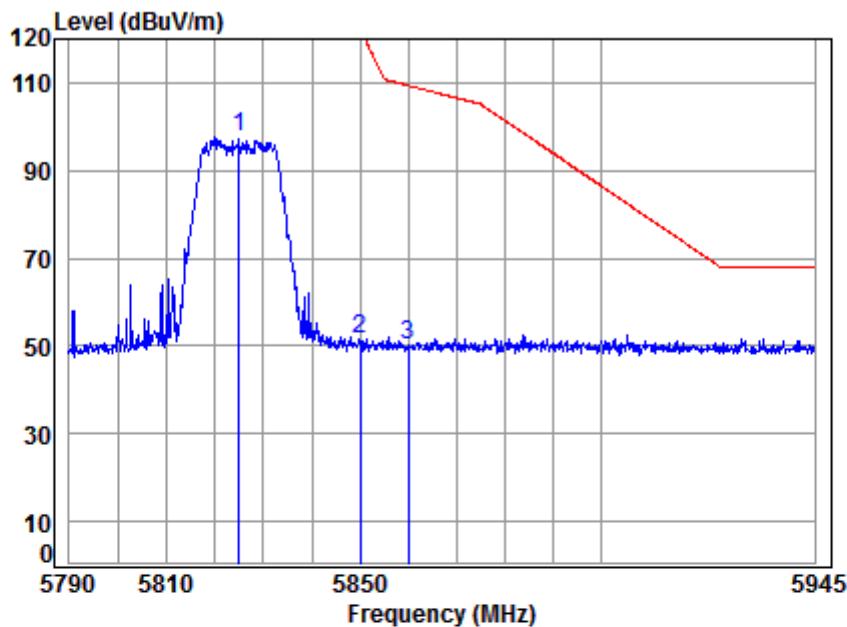
: CDD

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.82	43.09	46.94	48.28	109.40	-61.12	peak
2	5725.000	9.64	34.83	43.08	48.58	49.97	122.20	-72.23	peak
3	5745.000	9.71	34.85	43.06	94.52	96.02	125.20	-29.18	peak

**4.9.1.24 11A20\_149\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5745 Band edge  
NOTE : 5G WIFI 11A  
: CDD

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Line dB	Over Line Remark
1	5715.000	9.61	34.82	43.09	47.04	48.38	109.40	-61.02	peak	
2	5725.000	9.64	34.83	43.08	47.62	49.01	122.20	-73.19	peak	
3	5745.000	9.71	34.85	43.06	90.87	92.37	125.20	-32.83	peak	

**4.9.1.25 11A20\_165\_Peak\_Verical**

Site : chamber

Condition: 3m VERTICAL

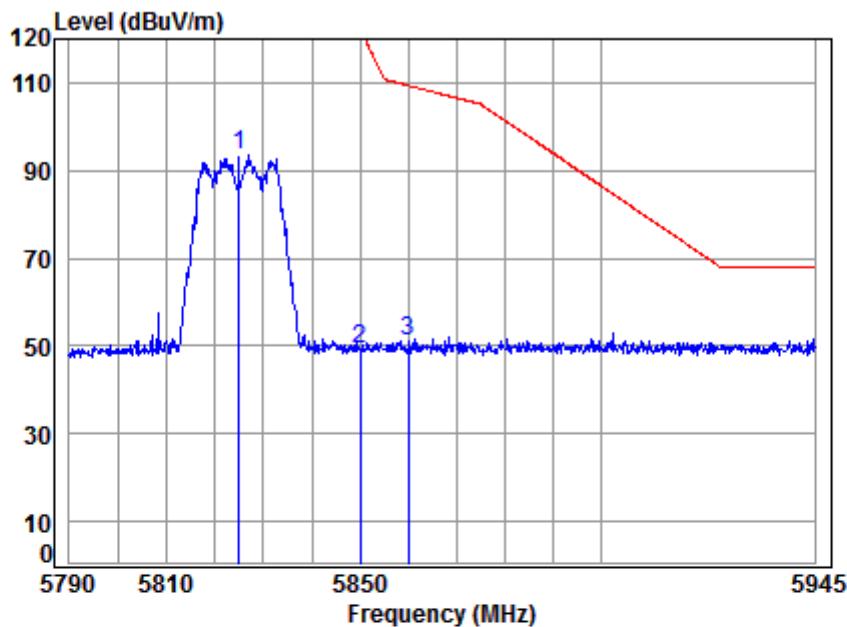
Job No : C0005

Mode : 5825 Band edge

NOTE : 5G WIFI 11A

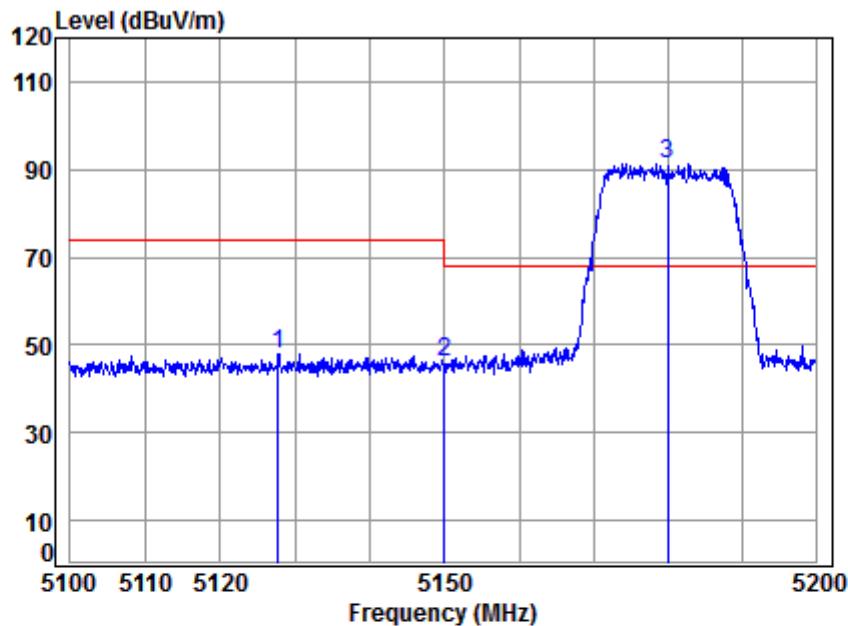
: CDD

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	9.98	34.93	42.99	95.53	97.45	125.20	-27.75 peak
2	5850.000	10.07	34.95	42.97	49.61	51.66	125.20	-73.54 Peak
3	5860.000	10.10	34.96	42.96	48.14	50.24	109.40	-59.16 peak

**4.9.1.26 11A20\_165\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5825 Band edge  
NOTE : 5G WIFI 11A  
: CDD

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	9.98	34.93	42.99	91.39	93.31	125.20	-31.89 peak
2	5850.000	10.07	34.95	42.96	47.05	49.11	122.20	-73.09 peak
3	5860.000	10.10	34.96	42.96	48.88	50.98	109.40	-58.42 peak

**4.9.1.27 11N20\_36\_Peak\_Vertical**

Site : chamber

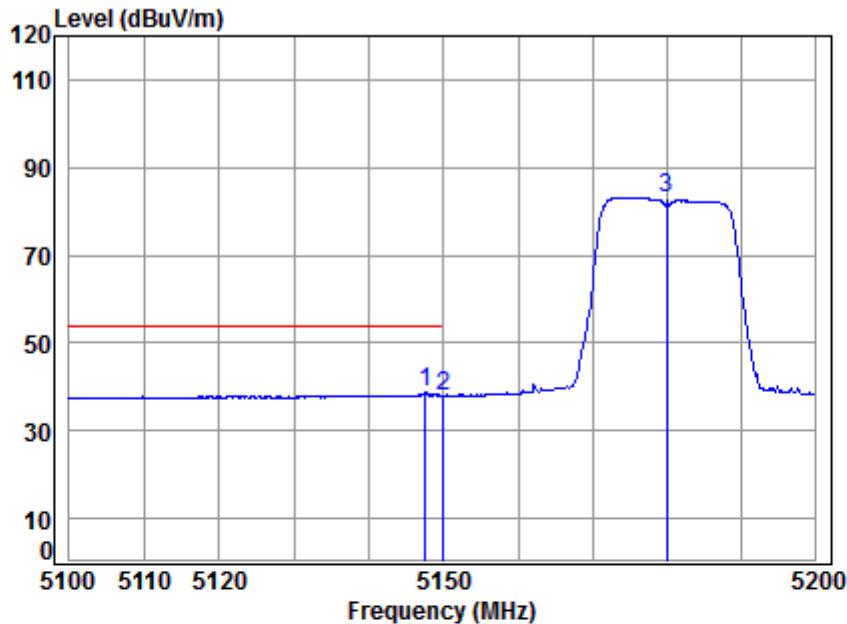
Condition: 3m VERTICAL

Job No : C0005

Mode : 5180 Band edge

NOTE : 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5127.705	8.29	34.31	43.67	48.92	47.85	74.00	-26.15 peak
2	5149.980	8.33	34.32	43.64	47.20	46.21	74.00	-27.79 peak
3 *	5180.000	8.37	34.35	43.61	92.03	91.14	68.20	22.94 peak

**4.9.1.28 11N20\_36\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

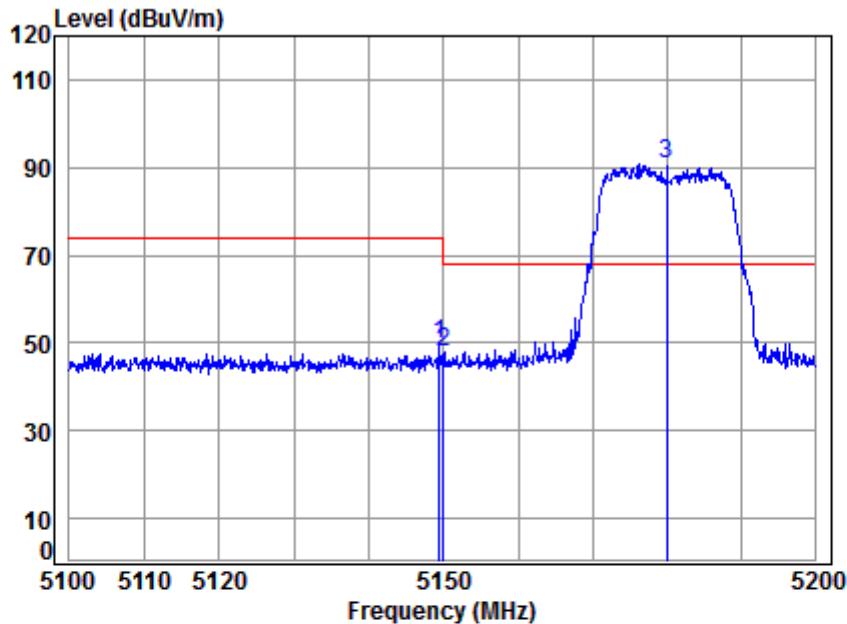
Mode : 5180 Band edge

NOTE : 5G WIFI 11N20

: MIMO

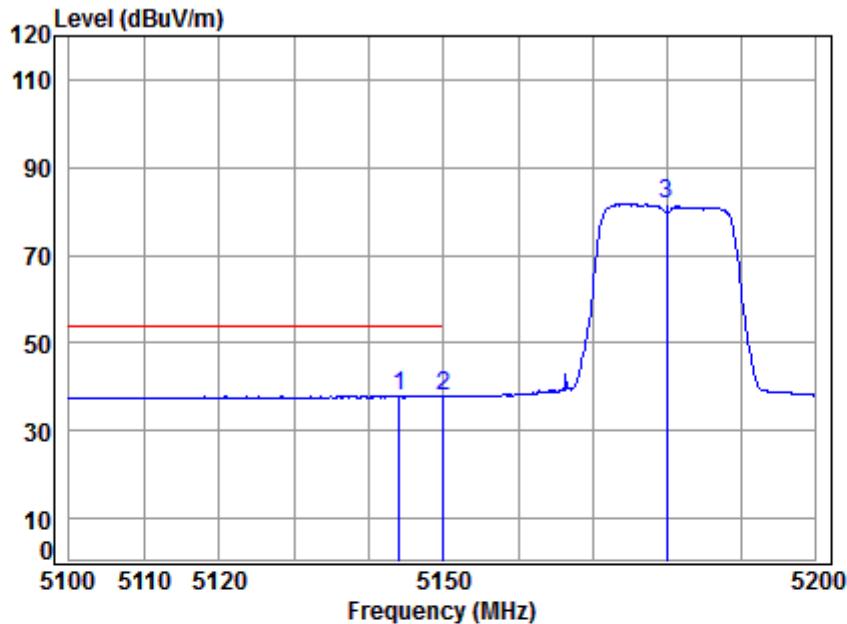
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.558	8.32	34.32	43.65	39.66	38.65	54.00	-15.35	Average
2	5149.980	8.33	34.32	43.64	39.08	38.09	54.00	-15.91	Average
3	5180.000	8.37	34.35	43.61	84.03	83.14	-----	-----	Average

**4.9.1.29 11N20\_36\_Peak\_Horizontal**

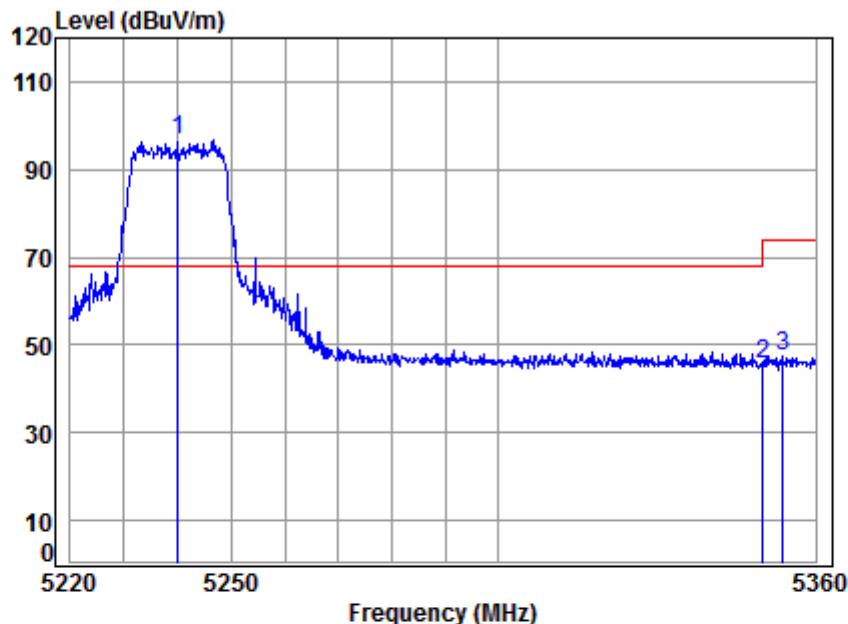
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5180 Band edge  
NOTE : 5G WIFI 11N20  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.357	8.32	34.32	43.64	50.63	49.63	74.00	-24.37 peak
2	5149.980	8.33	34.32	43.64	48.71	47.72	74.00	-26.28 peak
3 *	5180.000	8.37	34.35	43.61	91.65	90.76	68.20	22.56 peak

**4.9.1.30 11N20\_36\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5180 Band edge  
NOTE : 5G WIFI 11N20  
: MIMO

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Limit	Remark
		Loss	Factor	Factor	Level				
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5144.061	8.32	34.32	43.65	39.10	38.09	54.00	-15.91	Average
2	5149.980	8.33	34.32	43.64	38.88	37.89	54.00	-16.11	Average
3	5180.000	8.37	34.35	43.61	82.48	81.59	-----	-----	Average

**4.9.1.31 11N20\_48\_Peak\_Vertical**

Site : chamber

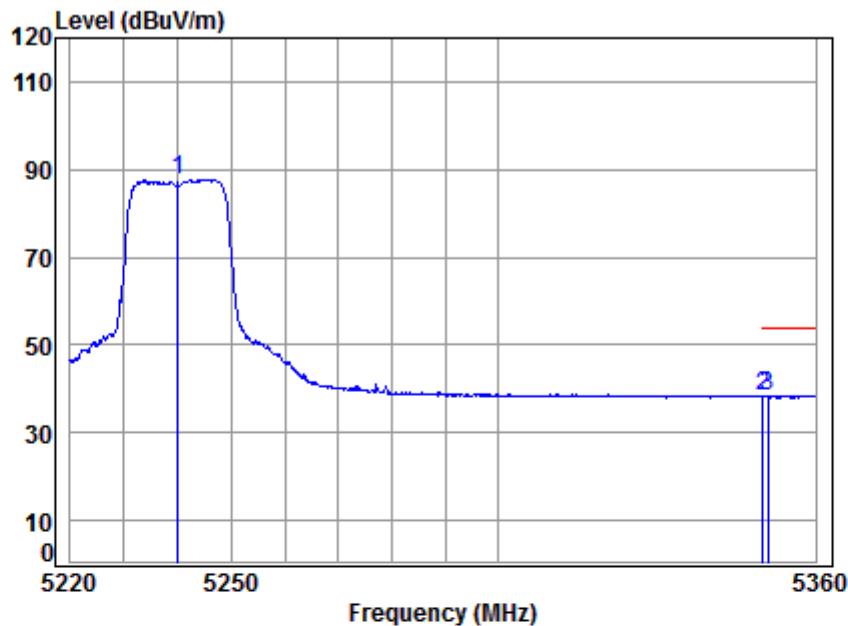
Condition: 3m VERTICAL

Job No : C0005

Mode : 5240 Band edge

NOTE : 5G WIFI 11N20

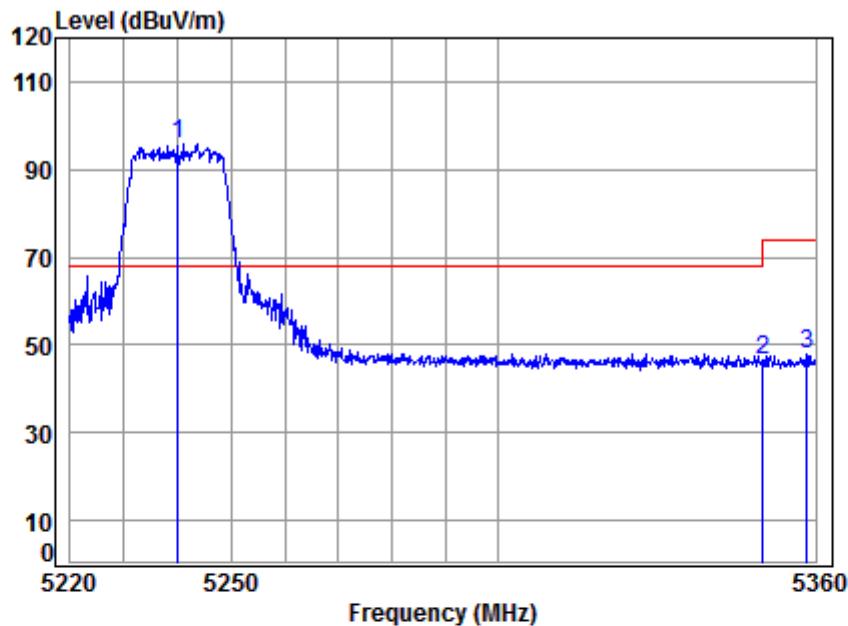
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	8.46	34.40	43.55	97.47	96.78	68.20	28.58 Peak
2 5350.020	8.63	34.48	43.44	46.06	45.73	74.00	-28.27 Peak
3 5353.762	8.64	34.49	43.44	47.79	47.48	74.00	-26.52 Peak

**4.9.1.32 11N20\_48\_Average\_Vertical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5240 Band edge  
NOTE : 5G WIFI 11N20  
: MIMO

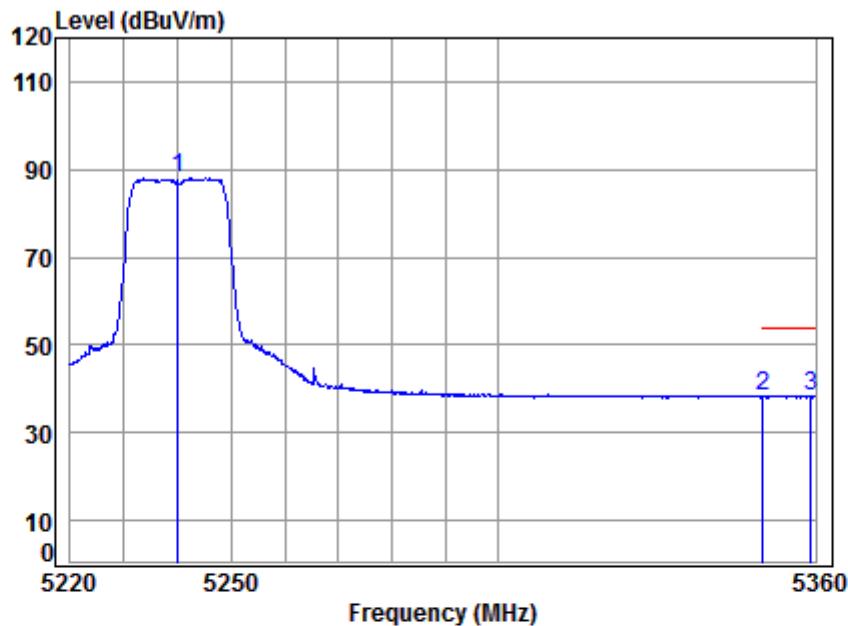
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
Freq									
1	5240.000	8.46	34.40	43.55	88.32	87.63	-----	-----	Average
2	5350.020	8.63	34.48	43.44	38.66	38.33	54.00	-15.67	Average
3	5350.929	8.63	34.48	43.44	38.74	38.41	54.00	-15.59	Average

**4.9.1.33 11N20\_48\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5240 Band edge  
NOTE : 5G WIFI 11N20  
: MIMO

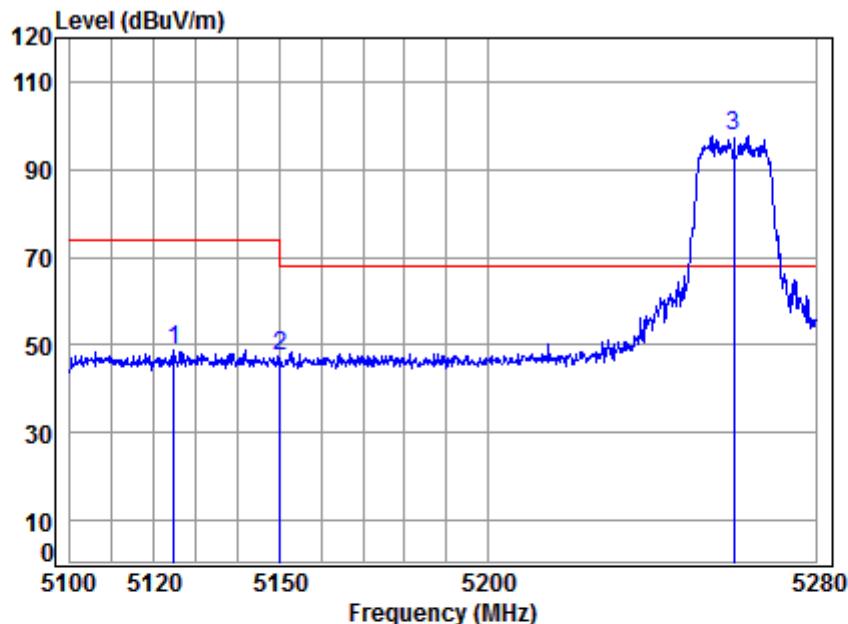
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m	dB	dBuV	dBuV/m
1 * 5240.000	8.46	34.40	43.55	96.34	95.65	68.20	27.45	peak
2 5350.020	8.63	34.48	43.44	47.04	46.71	74.00	-27.29	peak
3 5358.440	8.64	34.49	43.43	48.29	47.99	74.00	-26.01	peak

**4.9.1.34 11N20\_48\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5240 Band edge  
NOTE : 5G WIFI 11N20  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

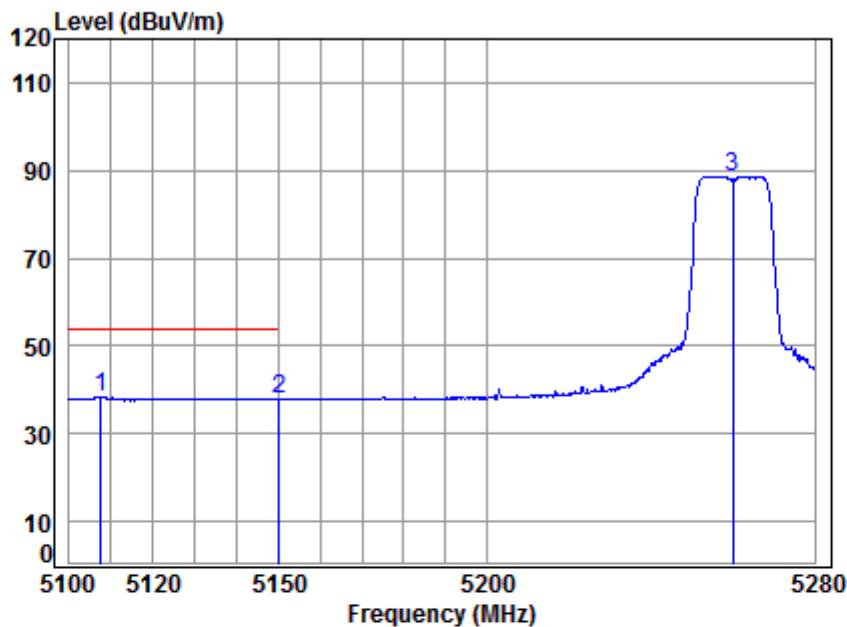
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
Freq									
1	5240.000	8.46	34.40	43.55	88.69	88.00	-----	-----	Average
2	5350.020	8.63	34.48	43.44	38.55	38.22	54.00	-15.78	Average
3	5359.149	8.64	34.49	43.43	38.63	38.33	54.00	-15.67	Average

**4.9.1.35 11N20\_52\_Peak\_Vertical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5260 Band edge  
NOTE : 5G WIFI 11N20  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
Freq									
1	5124.648	8.29	34.30	43.67	49.84	48.76	74.00	-25.24	Peak
2	5149.980	8.33	34.32	43.64	48.50	47.51	74.00	-26.49	Peak
3 *	5260.000	8.49	34.41	43.53	98.40	97.77	68.20	29.57	Peak

**4.9.1.36 11N20\_52\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

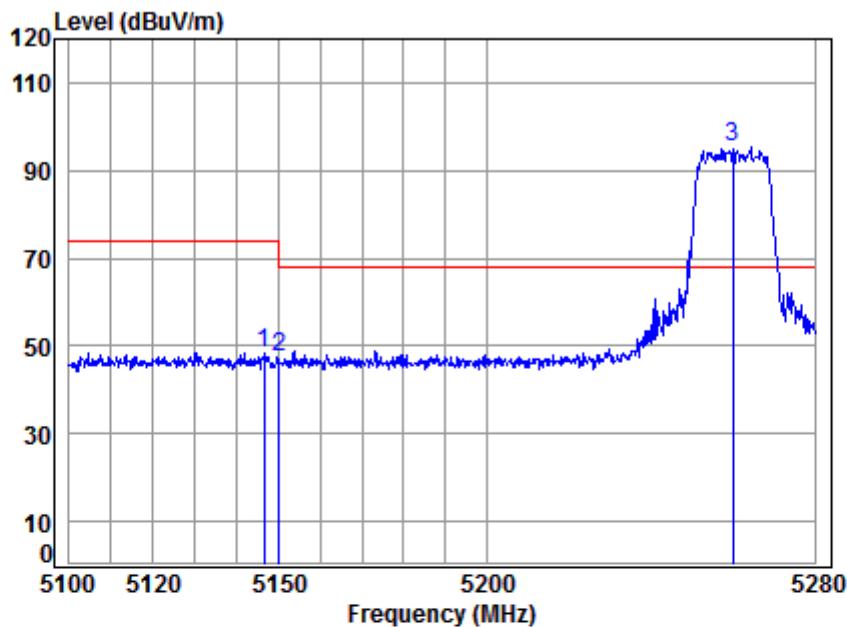
Job No : C0005

Mode : 5260 Band edge

NOTE : 5G WIFI 11N20

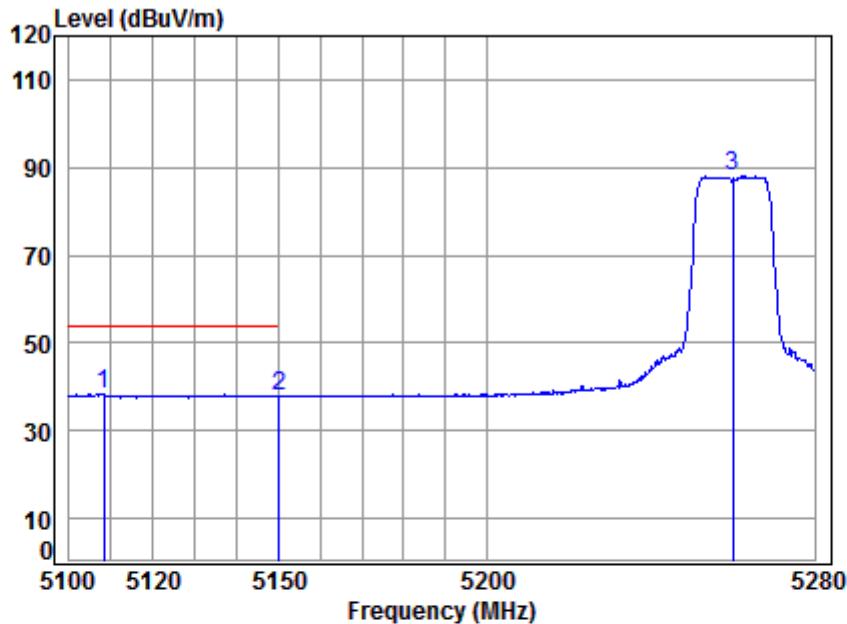
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
1	5107.612	8.26	34.29	43.69	39.59	38.45	54.00
2	5149.980	8.33	34.32	43.64	38.89	37.90	54.00
3	5260.000	8.49	34.41	43.53	89.33	88.70	-----

**4.9.1.37 11N20\_52\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5260 Band edge  
NOTE : 5G WIFI 11N20  
: MIMO

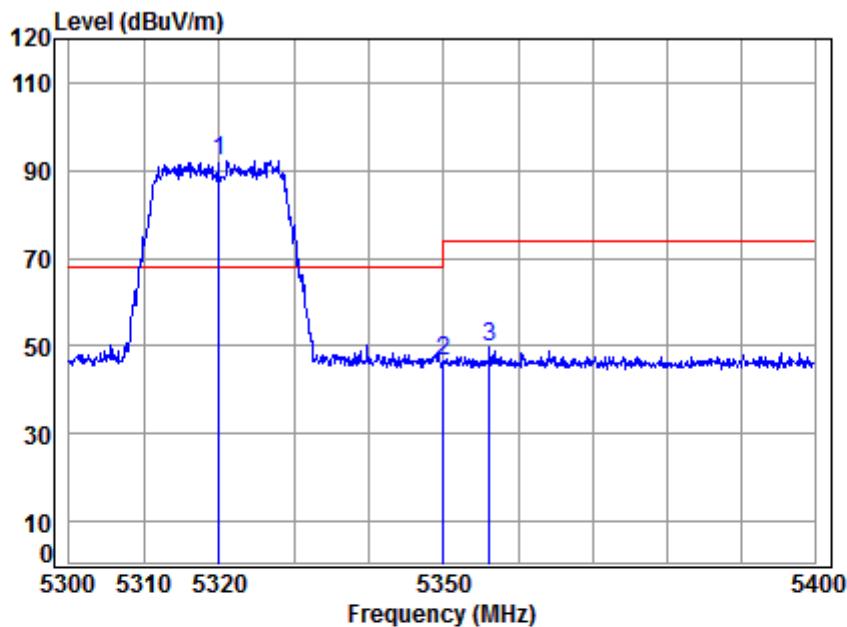
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.379	8.32	34.32	43.65	49.52	48.51	74.00	-25.49 peak
2	5149.980	8.33	34.32	43.64	48.39	47.40	74.00	-26.60 peak
3 *	5260.000	8.49	34.41	43.53	96.11	95.48	68.20	27.28 peak

**4.9.1.38 11N20\_52\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5260 Band edge  
NOTE : 5G WIFI 11N20  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5108.321	8.26	34.29	43.69	39.57	38.43	54.00	-15.57	Average
2	5149.980	8.33	34.32	43.64	38.93	37.94	54.00	-16.06	Average
3	5260.000	8.49	34.41	43.53	88.51	87.88	-----	-----	Average

**4.9.1.39 11N20\_64\_Peak\_Vertical**

Site : chamber

Condition: 3m VERTICAL

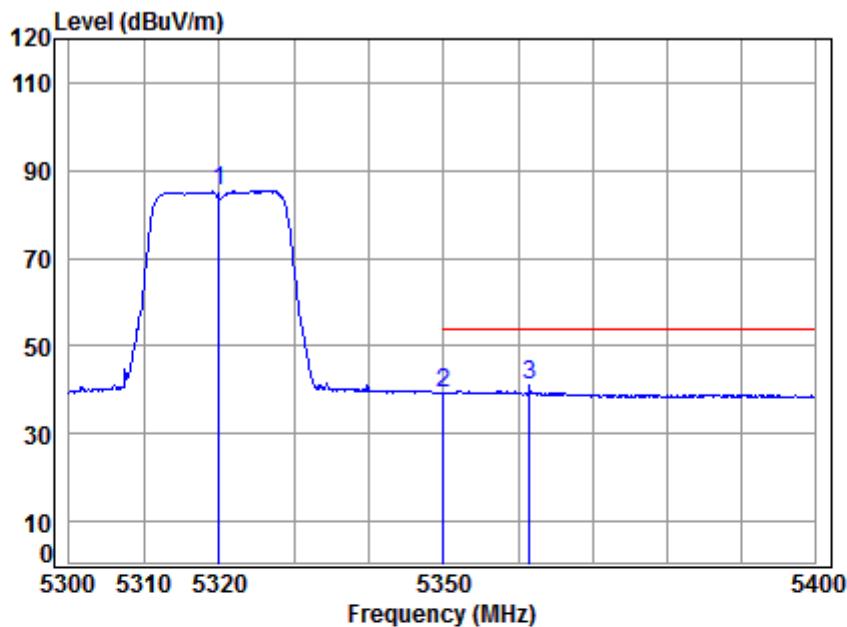
Job No : C0005

Mode : 5320 Band edge

NOTE : 5G WIFI 11N20

: MIMO

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	8.58	34.46	43.47	92.73	92.30	68.20	24.10 Peak
2 5350.020	8.63	34.48	43.44	47.07	46.74	74.00	-27.26 Peak
3 5356.170	8.64	34.49	43.43	50.06	49.76	74.00	-24.24 Peak

**4.9.1.40 11N20\_64\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

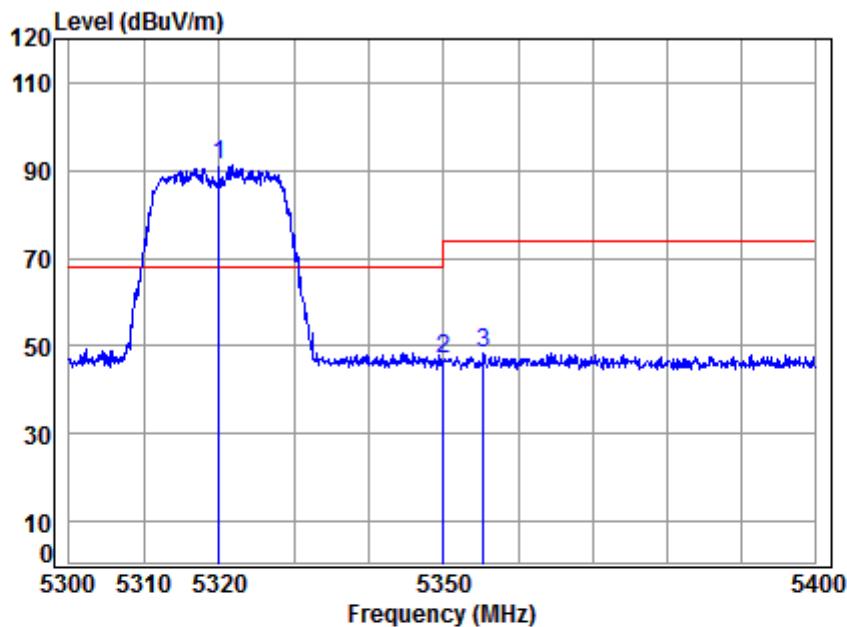
Mode : 5320 Band edge

NOTE : 5G WIFI 11N20

: MIMO

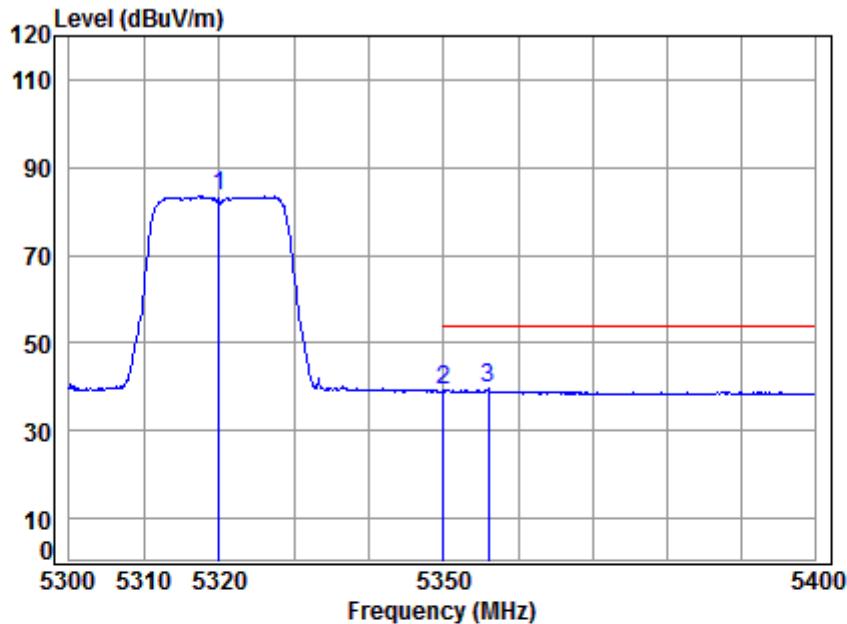
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	8.58	34.46	43.47	85.96	85.53	-----	-----	Average
2	5350.020	8.63	34.48	43.44	39.73	39.40	54.00	-14.60	Average
3	5361.479	8.65	34.49	43.43	41.16	40.87	54.00	-13.13	Average

**4.9.1.41 11N20\_64\_Peak\_Horizontal**

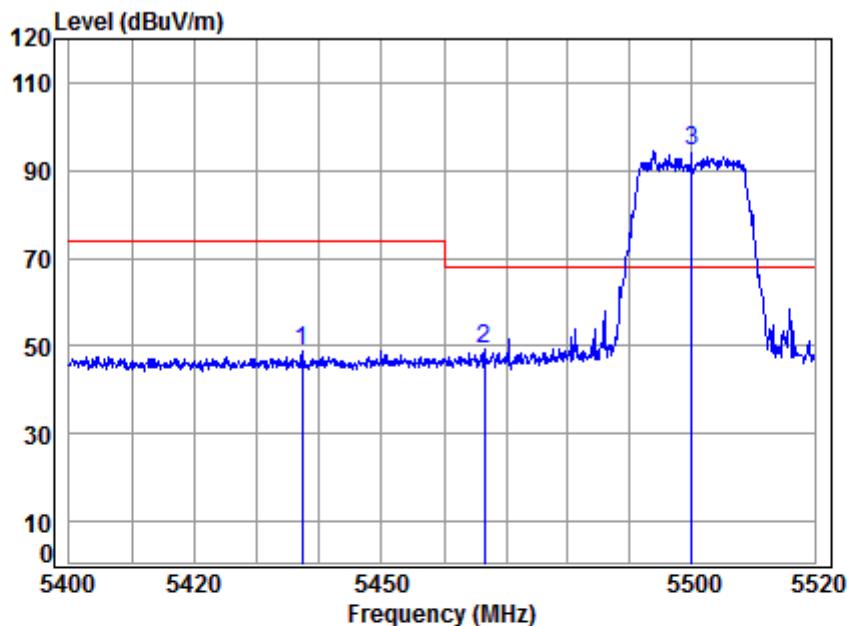
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5320 Band edge  
NOTE : 5G WIFI 11N20  
: MIMO

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5320.000	8.58	34.46	43.47	91.60	91.17	68.20	22.97	peak
2 5350.020	8.63	34.48	43.44	47.47	47.14	74.00	-26.86	peak
3 5355.369	8.64	34.49	43.43	48.70	48.40	74.00	-25.60	peak

**4.9.1.42 11N20\_64\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5320 Band edge  
NOTE : 5G WIFI 11N20  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
1	5320.000	8.58	34.46	43.47	83.87	83.44	-----
2	5350.020	8.63	34.48	43.44	39.40	39.07	54.00 -14.93
3	5356.070	8.64	34.49	43.43	40.05	39.75	54.00 -14.25

**4.9.1.43 11N20\_100\_Peak\_Verical**

Site : chamber

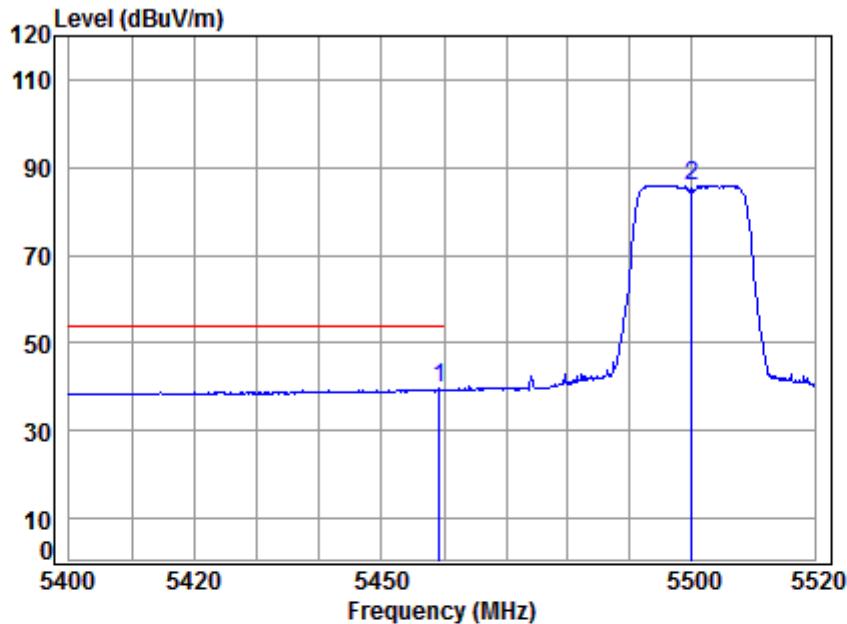
Condition: 3m VERTICAL

Job No : C0005

Mode : 5500 Band edge

NOTE : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5437.157	8.76	34.55	43.35	48.83	48.79	74.00	-25.21	Peak
2	5466.515	8.80	34.57	43.33	49.09	49.13	68.20	-19.07	peak
3 *	5500.000	8.85	34.60	43.29	94.14	94.30	68.20	26.10	Peak

**4.9.1.44 11N20\_100\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

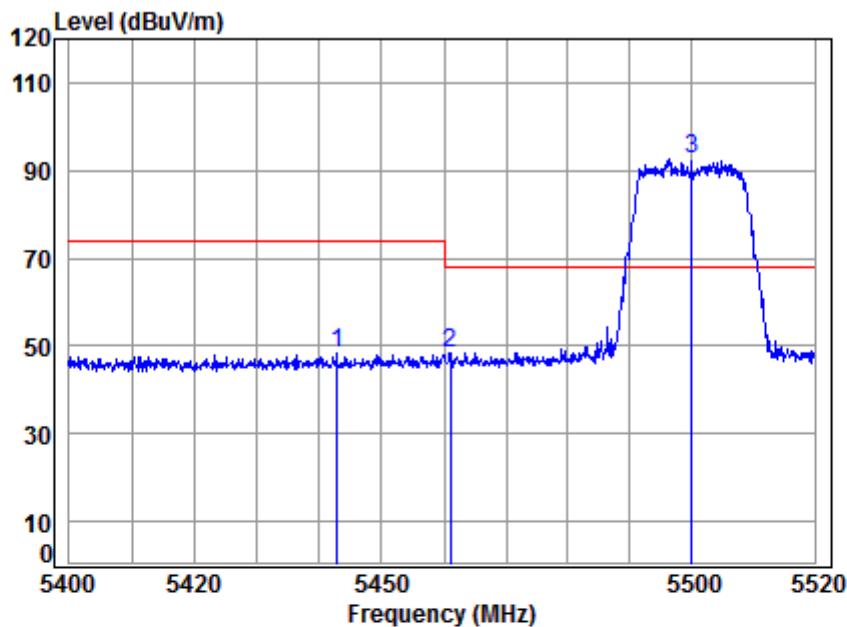
Mode : 5500 Band edge

NOTE : 5G WIFI 11N20

: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

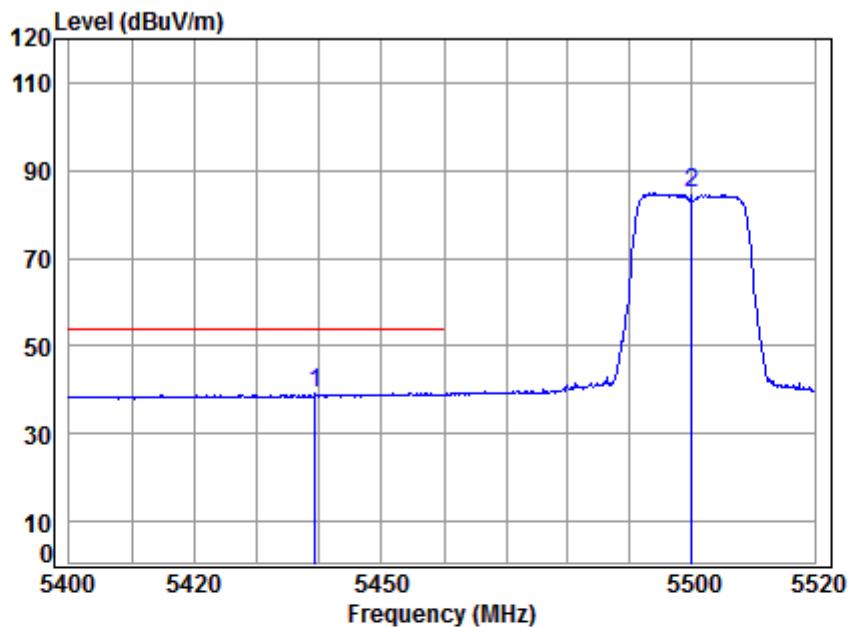
1	5459.311	8.79	34.57	43.33	39.50	39.53	54.00	-14.47	Average
2	5500.000	8.85	34.60	43.29	85.82	85.98	-----	-----	Average

**4.9.1.45 11N20\_100\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5500 Band edge  
NOTE : 5G WIFI 11N20  
: MIMO

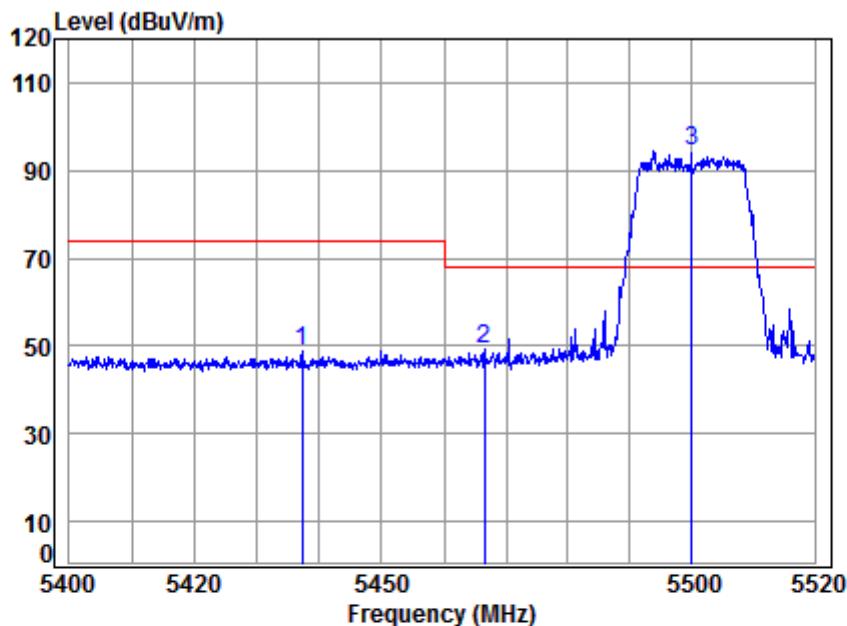
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

1	5442.777	8.77	34.56	43.35	48.36	48.34	74.00	-25.66	peak
2	5460.990	8.79	34.57	43.33	48.39	48.42	68.20	-19.78	peak
3 *	5500.000	8.85	34.60	43.29	92.59	92.75	68.20	24.55	peak

**4.9.1.46 11N20\_100 \_Average\_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5500 Band edge  
NOTE : 5G WIFI 11N20  
: MIMO

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5439.309	8.76	34.55	43.35	39.29	39.25	54.00	-14.75 Average
2	5500.000	8.85	34.60	43.29	84.59	84.75	-----	----- Average

**4.9.1.47 11N20\_140\_Peak\_Verical**

Site : chamber

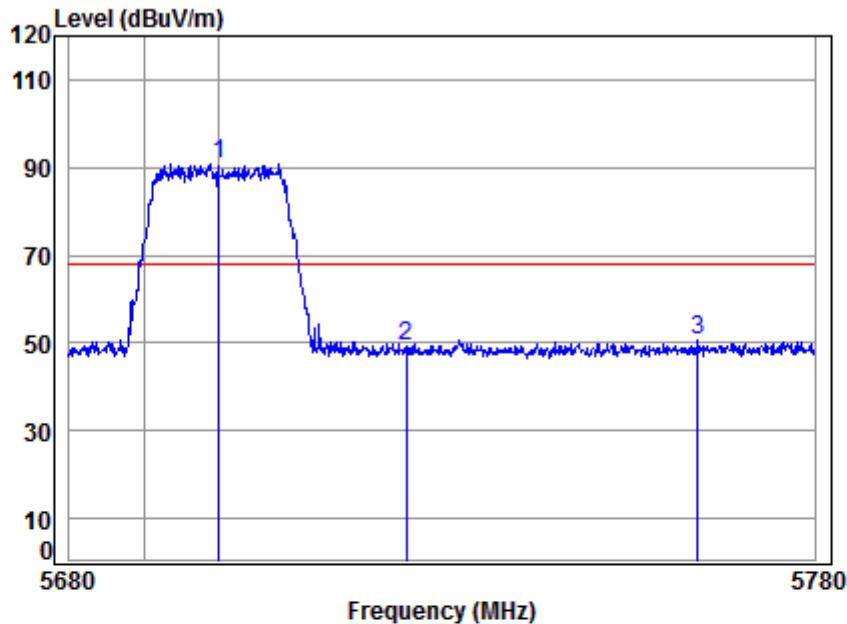
Condition: 3m VERTICAL

Job No : C0005

Mode : 5500 Band edge

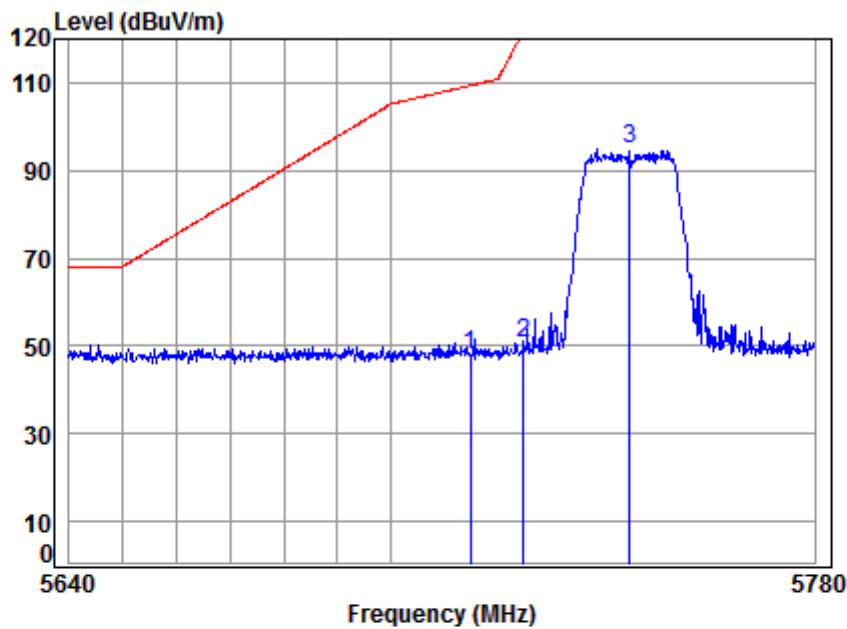
NOTE : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5437.157	8.76	34.55	43.35	48.83	48.79	74.00	-25.21	Peak
2	5466.515	8.80	34.57	43.33	49.09	49.13	68.20	-19.07	peak
3 *	5500.000	8.85	34.60	43.29	94.14	94.30	68.20	26.10	Peak

**4.9.1.48 11N20\_140\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5700 Band edge  
NOTE : 5G WIFI 11N20  
: MIMO

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5700.000	9.56	34.81	43.10	89.67	90.94	68.20	22.74 peak
2 5725.000	9.64	34.83	43.08	47.95	49.34	68.20	-18.86 peak
3 5764.184	9.78	34.87	43.04	49.25	50.86	68.20	-17.34 peak

**4.9.1.49 11N20\_149\_Peak\_Verical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

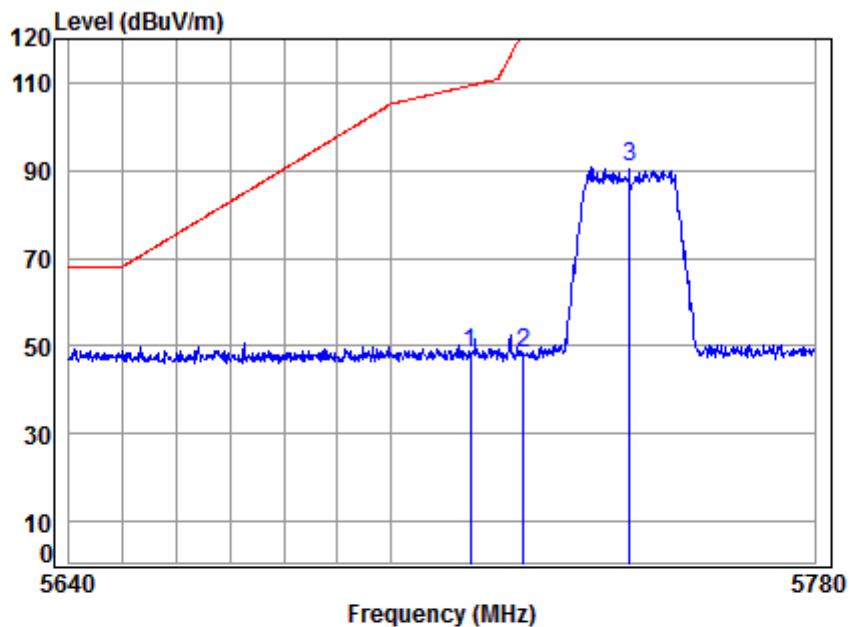
Mode : 5745 Band edge

NOTE : 5G WIFI 11N20

: MIMO

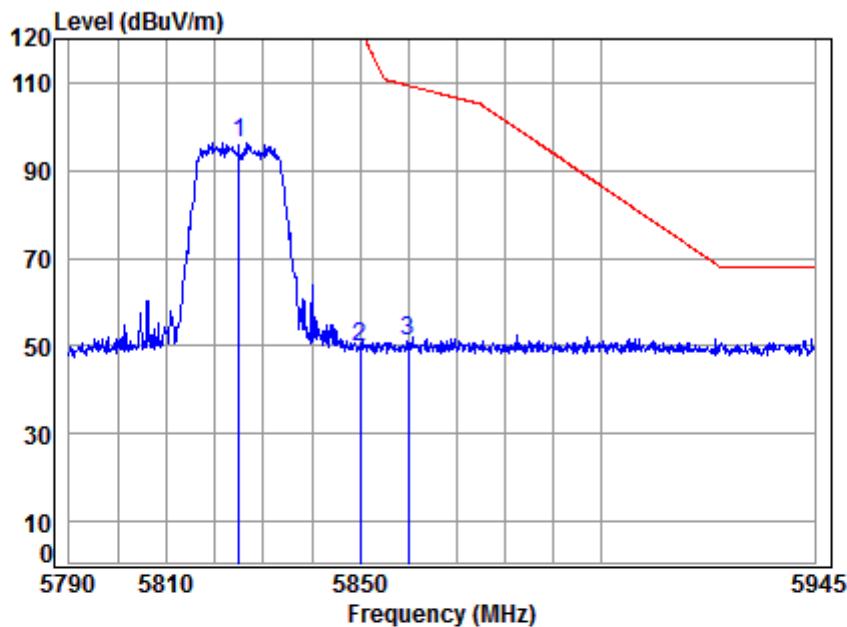
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	43.09	46.67	48.01	109.40	-61.39 peak
2	5725.000	9.64	34.83	43.08	49.44	50.83	118.34	-67.51 Peak
3	5745.000	9.71	34.85	43.06	93.32	94.82	125.20	-30.38 peak

**4.9.1.50 11N20\_149 \_Peak\_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5745 Band edge  
NOTE : 5G WIFI 11N20  
: MIMO

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	43.09	47.09	48.43	109.40	-60.97 peak
2	5725.000	9.64	34.83	43.08	47.16	48.55	122.20	-73.65 peak
3	5745.000	9.71	34.85	43.06	89.08	90.58	125.20	-34.62 peak

**4.9.1.51 11N20\_165\_Peak\_Vertical**

Site : chamber

Condition: 3m VERTICAL

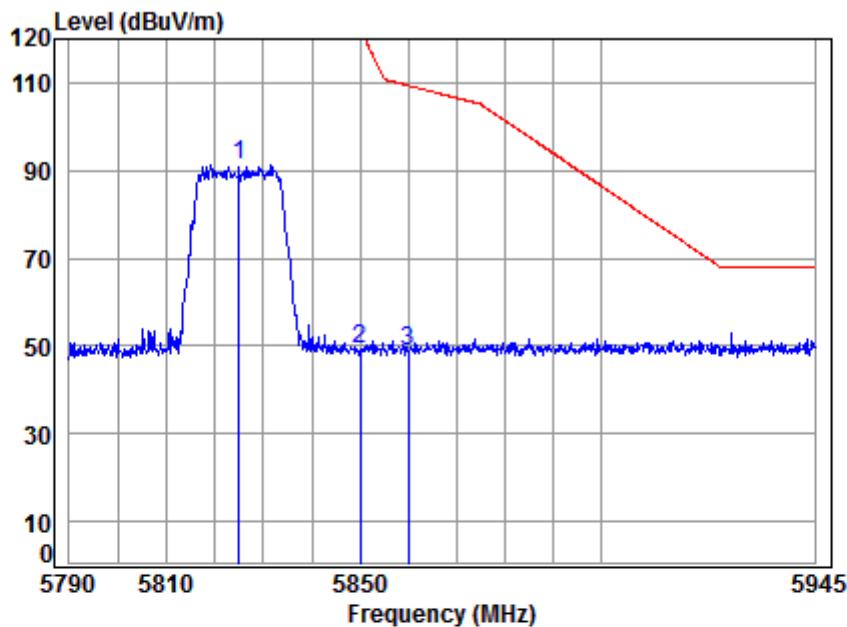
Job No : C0005

Mode : 5825 Band edge

NOTE : 5G WIFI 11N20

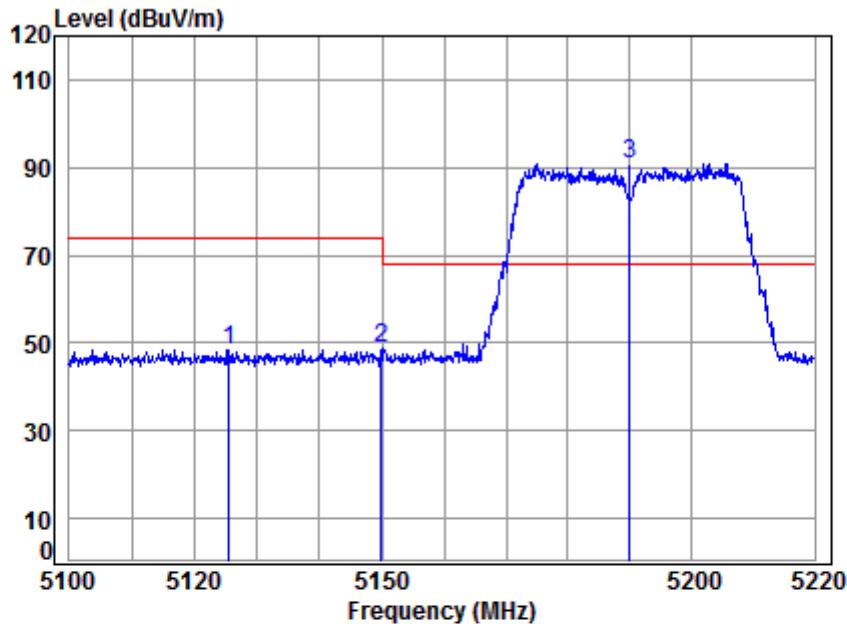
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	9.98	34.93	42.99	94.53	96.45	125.20	-28.75 peak
2	5850.000	10.07	34.95	42.96	47.80	49.86	122.20	-72.34 peak
3	5860.000	10.10	34.96	42.96	49.18	51.28	109.40	-58.12 peak

**4.9.1.52 11N20\_165\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5825 Band edge  
NOTE : 5G WIFI 11N20  
: MIMO

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	9.98	34.93	42.99	89.40	91.32	125.20	-33.88 peak
2	5850.000	10.07	34.95	42.96	47.20	49.26	122.20	-72.94 peak
3	5860.000	10.10	34.96	42.96	46.75	48.85	109.40	-60.55 peak

**4.9.1.53 11N40\_38 \_ Peak\_Verical**

Site : chamber

Condition: 3m VERTICAL

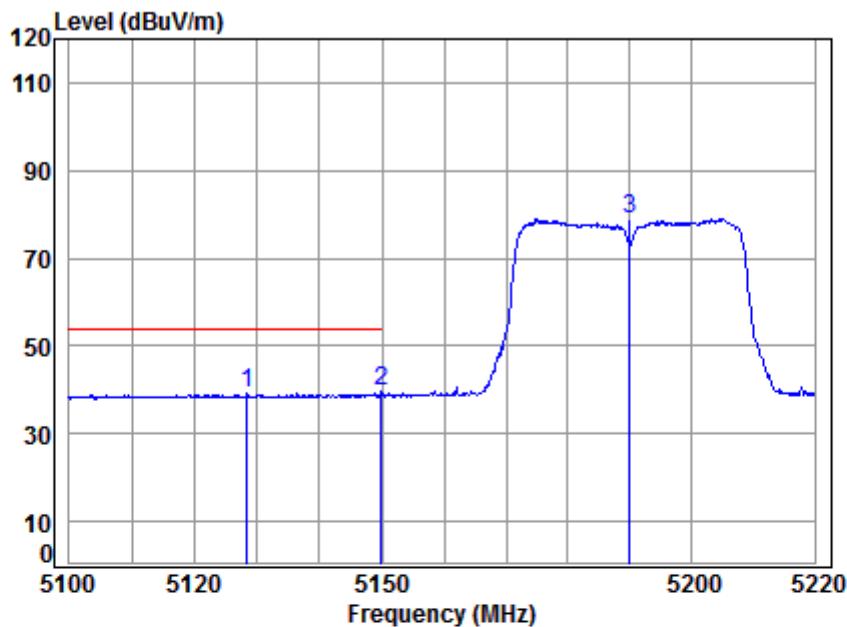
Job No : C0005

Mode : 5190 Band edge

NOTE : 5G WIFI 11N40

: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
1	5125.446	8.29	34.30	43.67	49.50	48.42	74.00 -25.58 Peak
2	5149.980	8.33	34.32	43.64	49.74	48.75	74.00 -25.25 Peak
3 *	5190.000	8.39	34.36	43.60	91.86	91.01	68.20 22.81 Peak

**4.9.1.54 11N40\_38\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

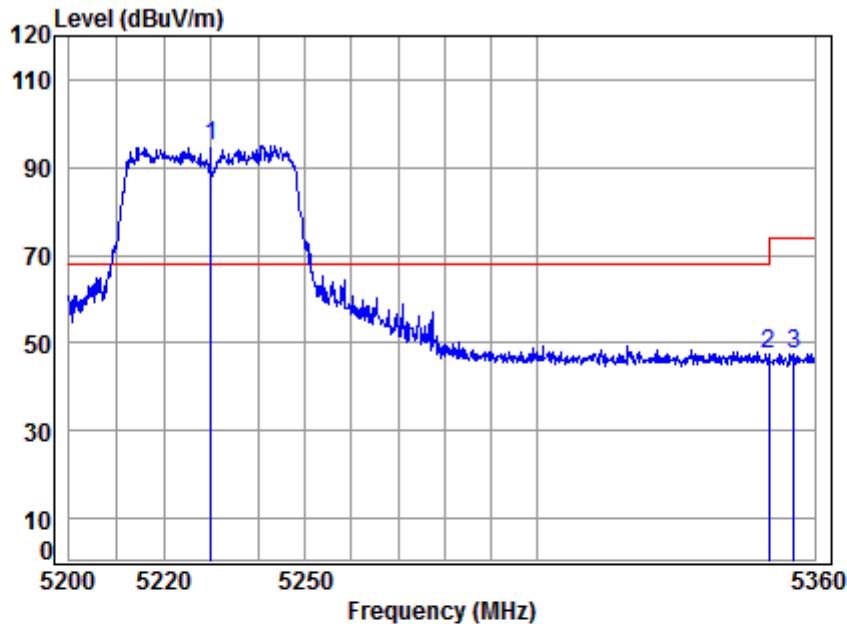
Mode : 5190 Band edge

NOTE : 5G WIFI 11N40

: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

1	5128.308	8.29	34.31	43.67	40.15	39.08	54.00	-14.92	Average
2	5149.980	8.33	34.32	43.64	40.84	39.85	54.00	-14.15	Average
3	5190.000	8.39	34.36	43.60	79.72	78.87	-----	-----	Average

**4.9.1.55 11N40\_38 \_Peak\_ Horizontal**

Site : chamber

Condition: 3m VERTICAL

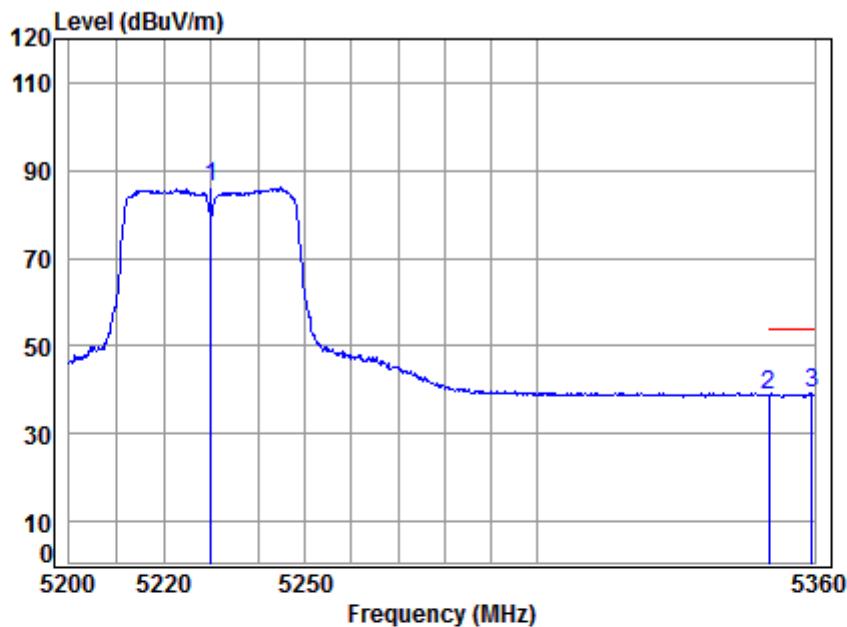
Job No : C0005

Mode : 5230 Band edge

NOTE : 5G WIFI 11N40

: MIMO

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5230.000	8.45	34.39	43.56	95.66	94.94	68.20	26.74 Peak
2 5350.020	8.63	34.48	43.44	47.82	47.49	74.00	-26.51 Peak
3 5355.454	8.64	34.49	43.43	47.89	47.59	74.00	-26.41 Peak

**4.9.1.56 11N40\_38\_Average\_Horizontal**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

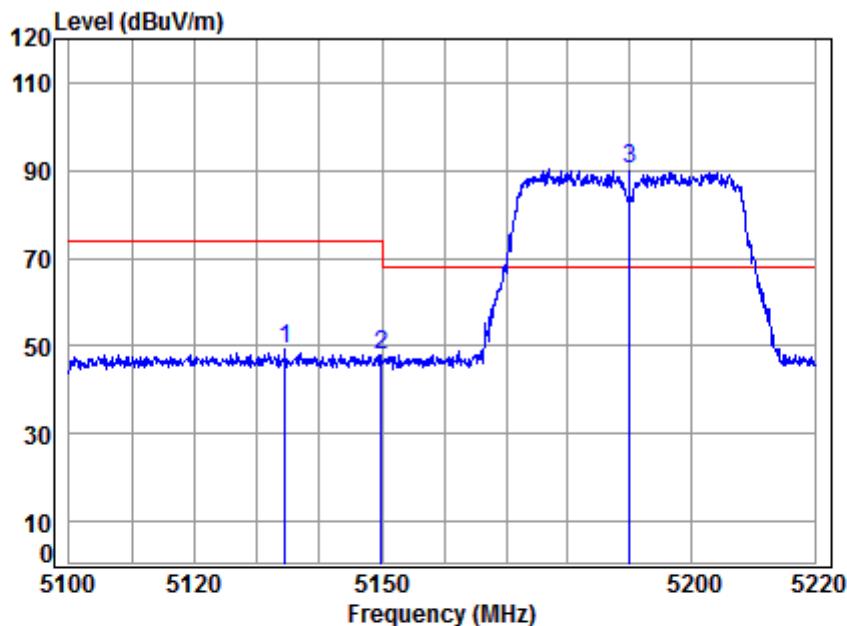
Mode : 5230 Band edge

NOTE : 5G WIFI 11N40

: MIMO

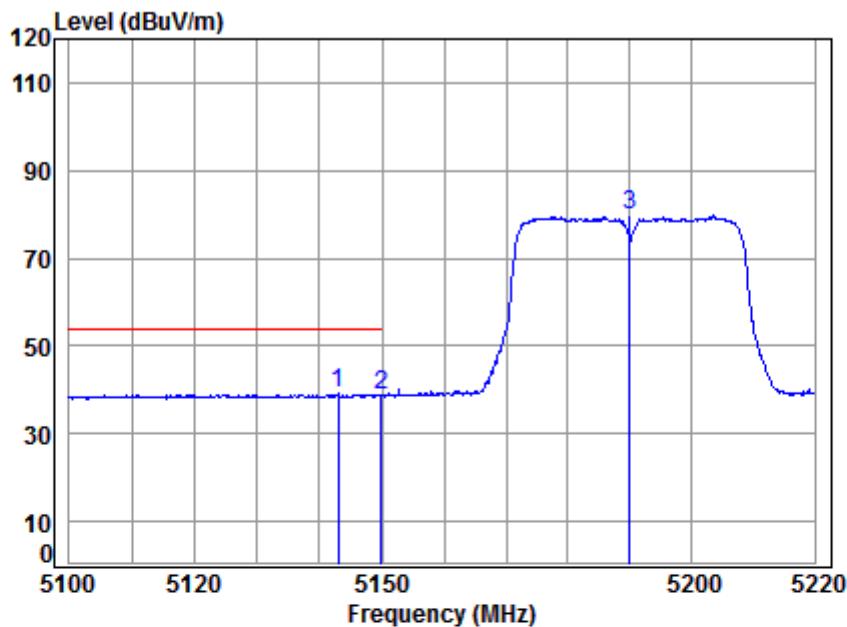
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	8.45	34.39	43.56	86.83	86.11	-----	-----
2	5350.020	8.63	34.48	43.44	39.19	38.86	54.00	-15.14
3	5359.513	8.64	34.49	43.43	39.38	39.08	54.00	-14.92

**4.9.1.57 11N40\_46 \_ Peak\_Verical**

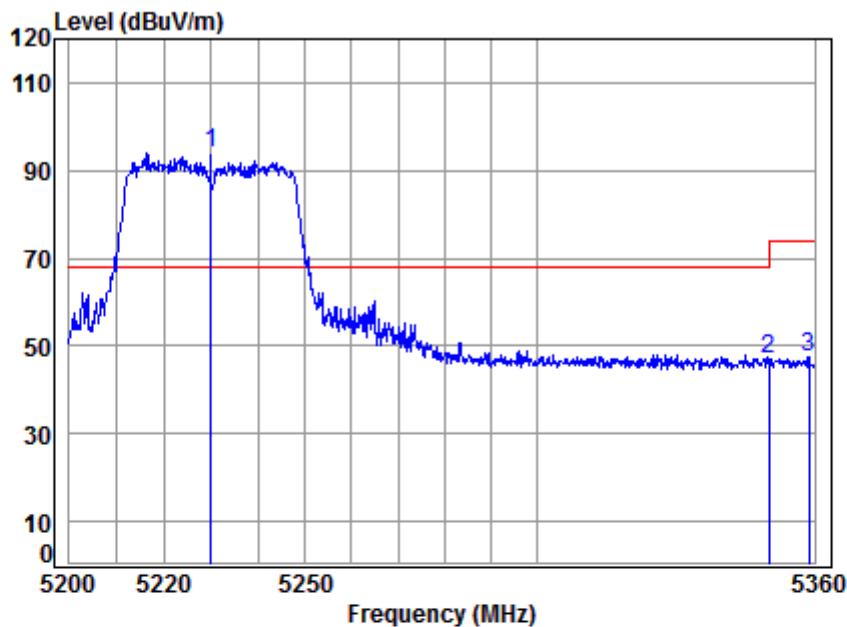
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5190 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5134.513	8.30	34.31	43.66	50.20	49.15	74.00	-24.85	peak
2	5149.980	8.33	34.32	43.64	48.86	47.87	74.00	-26.13	peak
3 *	5190.000	8.39	34.36	43.60	91.06	90.21	68.20	22.01	peak

**4.9.1.58 11N40\_46\_Average\_Vertical**

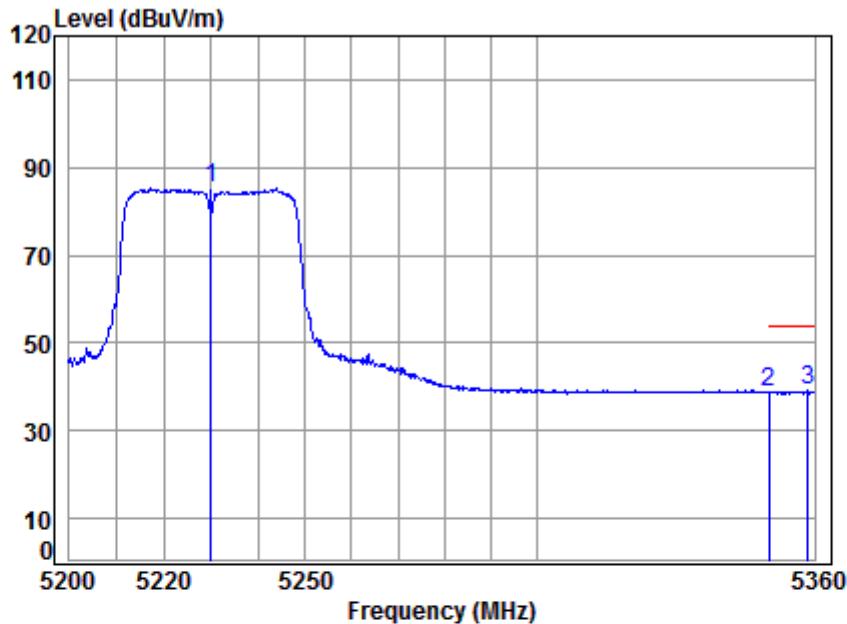
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5190 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5142.999	8.31	34.32	43.65	40.13	39.11	54.00	-14.89 Average
2	5149.980	8.33	34.32	43.64	39.82	38.83	54.00	-15.17 Average
3	5190.000	8.39	34.36	43.60	80.47	79.62	-----	----- Average

**4.9.1.59 11N40\_46\_Peak\_Horizontal**

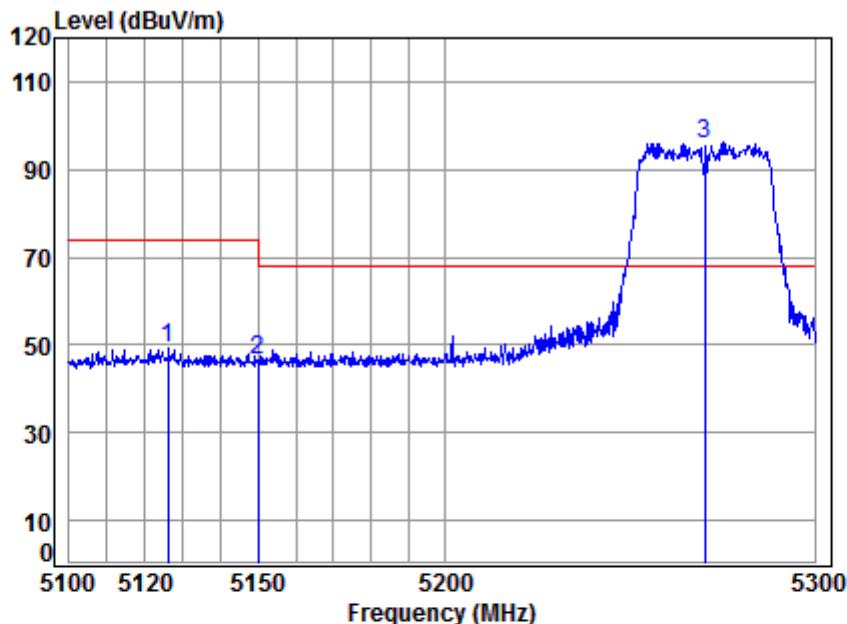
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5230 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5230.000	8.45	34.39	43.56	94.66	93.94	68.20	25.74 peak
2 5350.020	8.63	34.48	43.44	47.48	47.15	74.00	-26.85 peak
3 5358.863	8.64	34.49	43.43	47.94	47.64	74.00	-26.36 peak

**4.9.1.60 11N40\_46\_Average\_Horizontal**

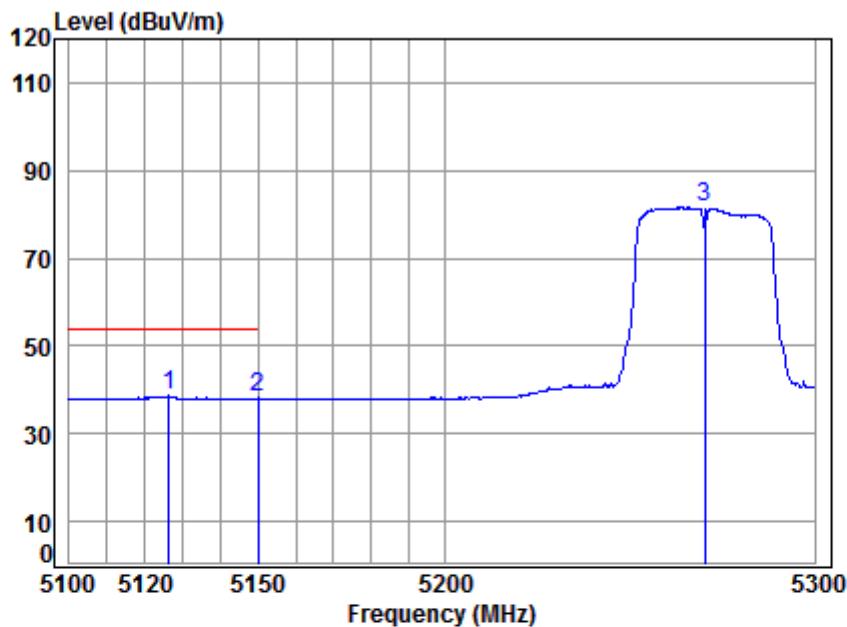
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5230 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

Freq	Cable Loss		Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	Factor	dB	dBuV	dBuV/m	dBuV/m	
1	5230.000	8.45	34.39	43.56	85.89	85.17	-----	-----	Average
2	5350.020	8.63	34.48	43.44	39.29	38.96	54.00	-15.04	Average
3	5358.538	8.64	34.49	43.43	39.54	39.24	54.00	-14.76	Average

**4.9.1.61 11N40\_54 \_ Peak\_Verical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5270 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5126.159	8.29	34.30	43.67	50.46	49.38	74.00	-24.62	Peak
2	5149.980	8.33	34.32	43.64	47.57	46.58	74.00	-27.42	Peak
3 *	5270.000	8.51	34.42	43.52	96.43	95.84	68.20	27.64	Peak

**4.9.1.62 11N40\_54\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

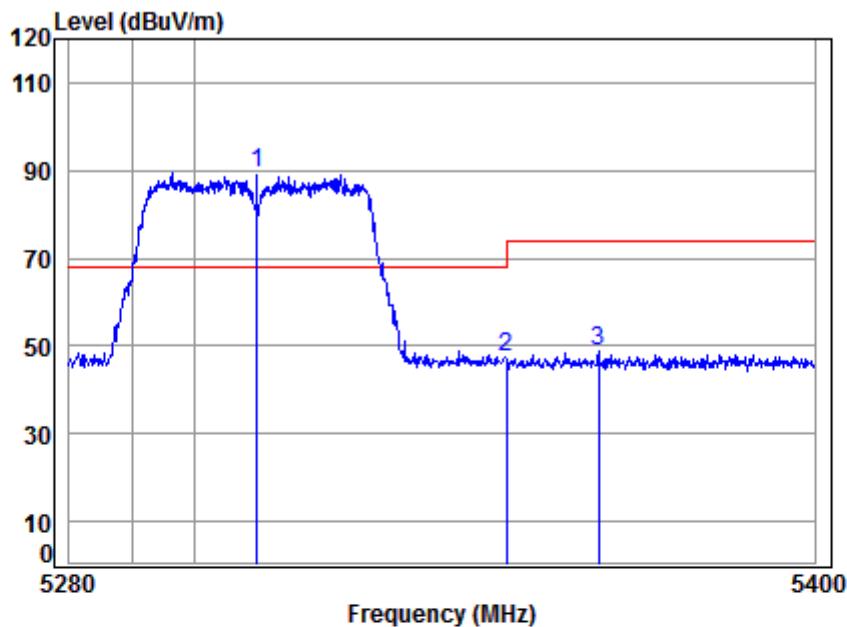
Mode : 5270 Band edge

NOTE : 5G WIFI 11N40

: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

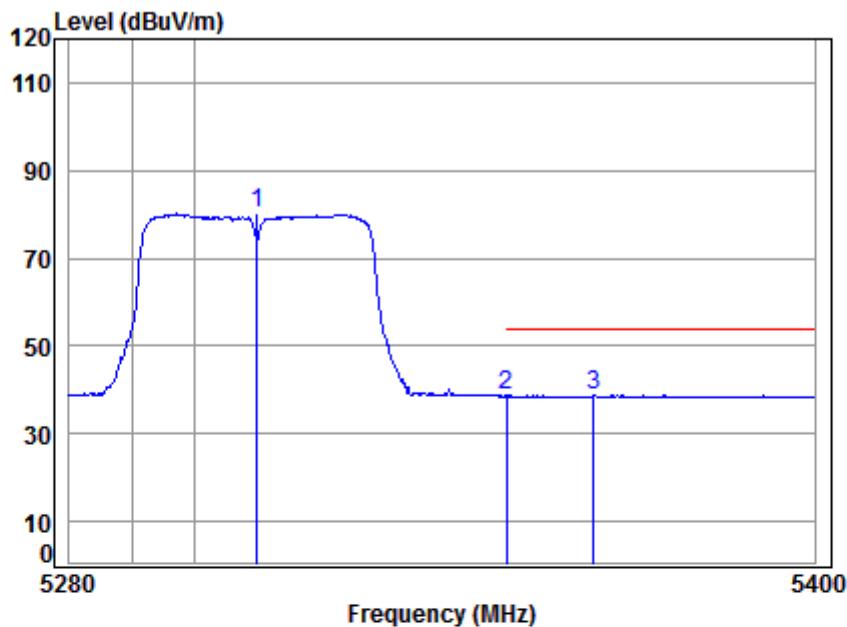
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5126.356	8.29	34.30	43.67	39.73	38.65	54.00	-15.35	Average
2	5149.980	8.33	34.32	43.64	39.11	38.12	54.00	-15.88	Average
3	5270.000	8.51	34.42	43.52	82.20	81.61	-----	-----	Average

**4.9.1.63 11N40\_54\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5310 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

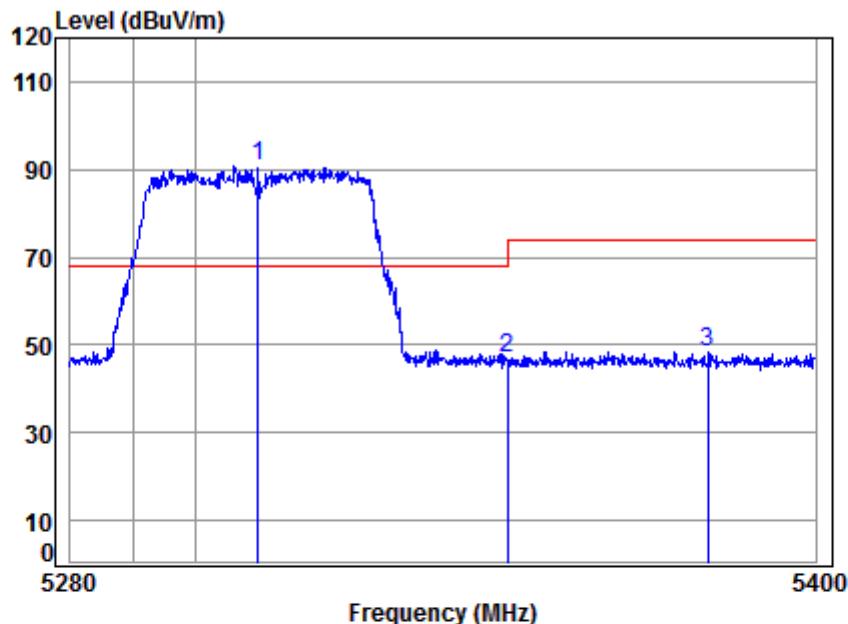
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 *	5310.000	8.57	34.45	43.48	89.94	89.48	68.20	21.28 peak
2	5350.020	8.63	34.48	43.44	47.93	47.60	74.00	-26.40 peak
3	5364.922	8.65	34.50	43.43	49.06	48.78	74.00	-25.22 peak

**4.9.1.64 11N40\_54\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5310 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

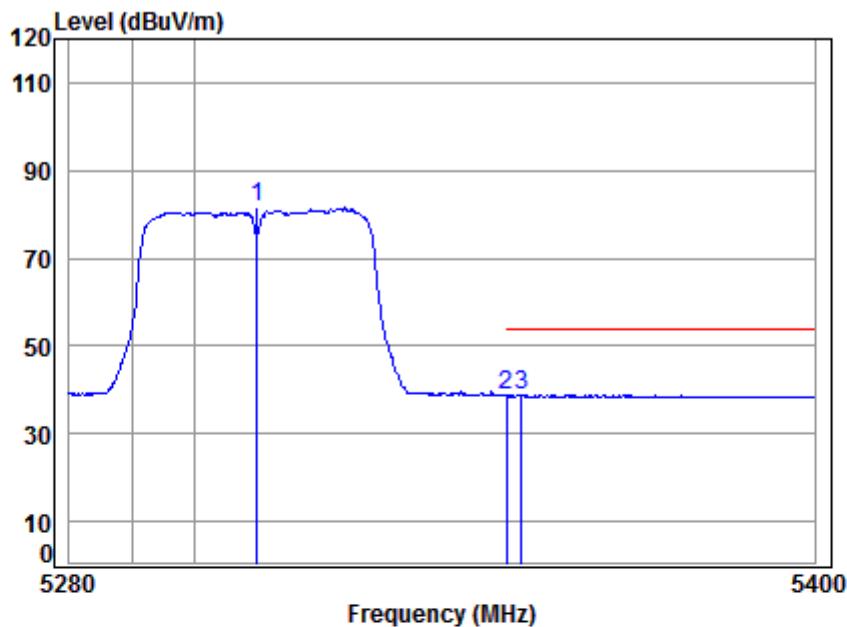
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
Freq									
1	5310.000	8.57	34.45	43.48	80.55	80.09	-----	-----	Average
2	5350.020	8.63	34.48	43.44	39.03	38.70	54.00	-15.30	Average
3	5364.199	8.65	34.50	43.43	39.03	38.75	54.00	-15.25	Average

**4.9.1.65 11N40\_62 \_ Peak\_Vertical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5310 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	8.57	34.45	43.48	91.12	90.66	68.20	22.46 Peak
2 5350.020	8.63	34.48	43.44	47.10	46.77	74.00	-27.23 Peak
3 5382.553	8.68	34.51	43.41	48.78	48.56	74.00	-25.44 Peak

**4.9.1.66 11N40\_62\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

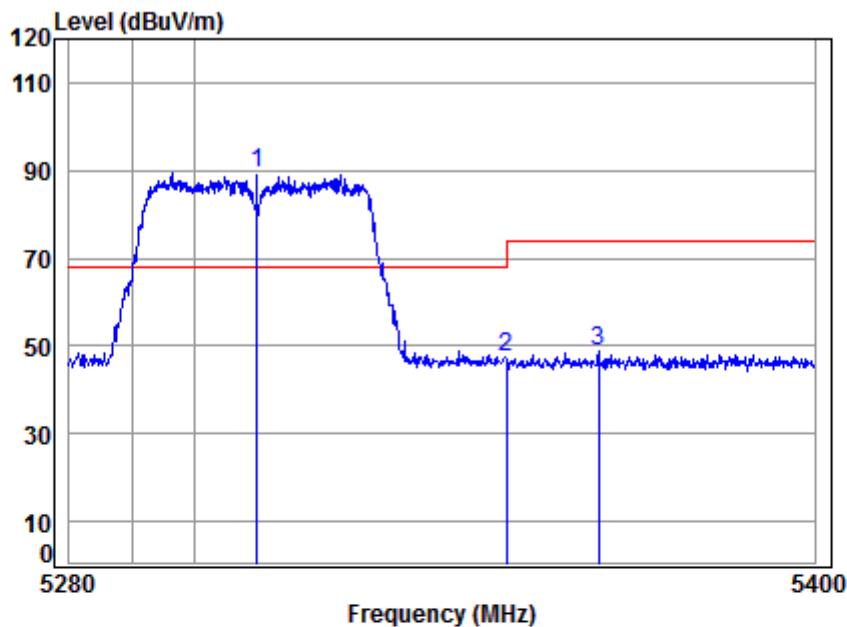
Mode : 5310 Band edge

NOTE : 5G WIFI 11N40

: MIMO

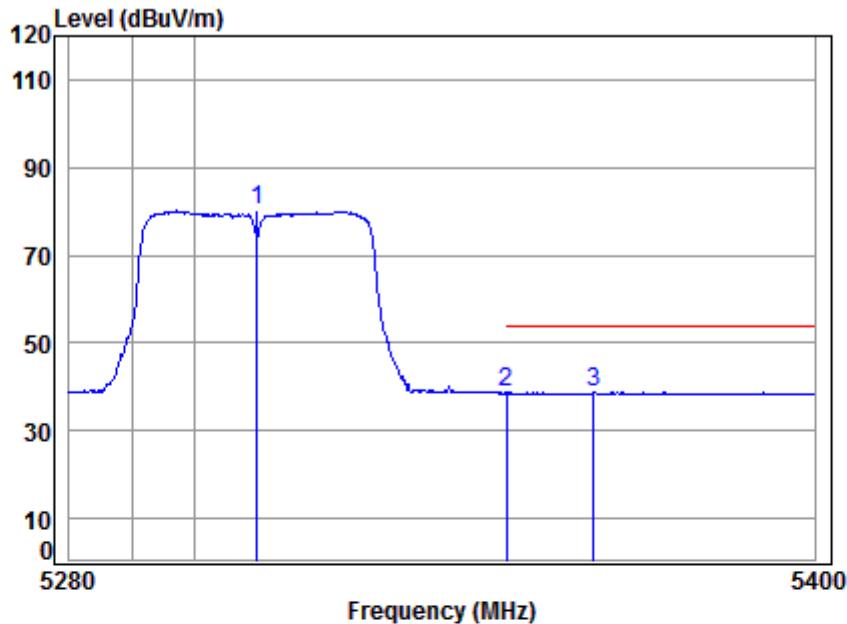
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	8.57	34.45	43.48	81.92	81.46	-----	-----
2	5350.020	8.63	34.48	43.44	39.07	38.74	54.00	-15.26
3	5352.518	8.63	34.49	43.44	39.13	38.81	54.00	-15.19

**4.9.1.67 11N40\_62 \_Peak\_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5310 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

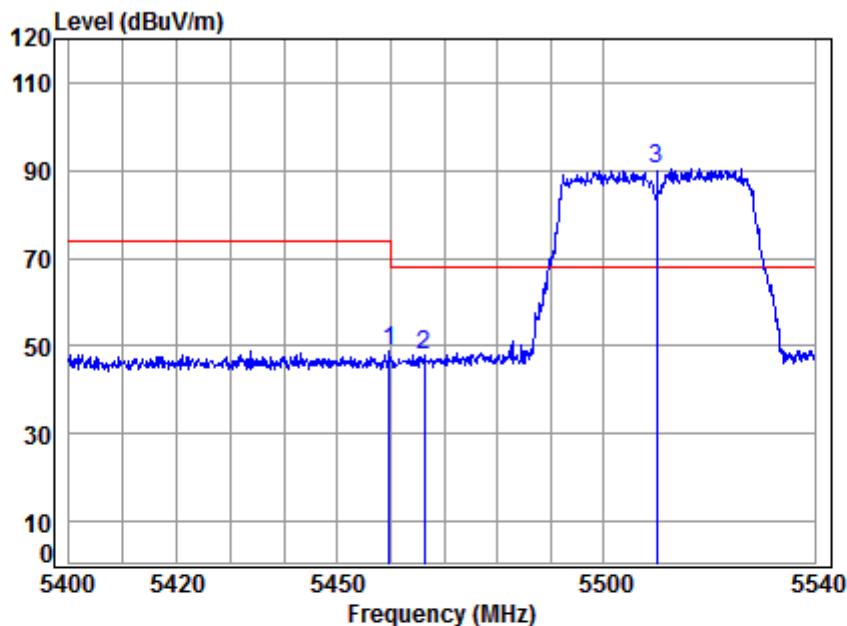
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dBuV			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 *	5310.000	8.57	34.45	43.48	89.94	89.48	68.20	21.28 peak
2	5350.020	8.63	34.48	43.44	47.93	47.60	74.00	-26.40 peak
3	5364.922	8.65	34.50	43.43	49.06	48.78	74.00	-25.22 peak

**4.9.1.68 11N40\_62\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5310 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

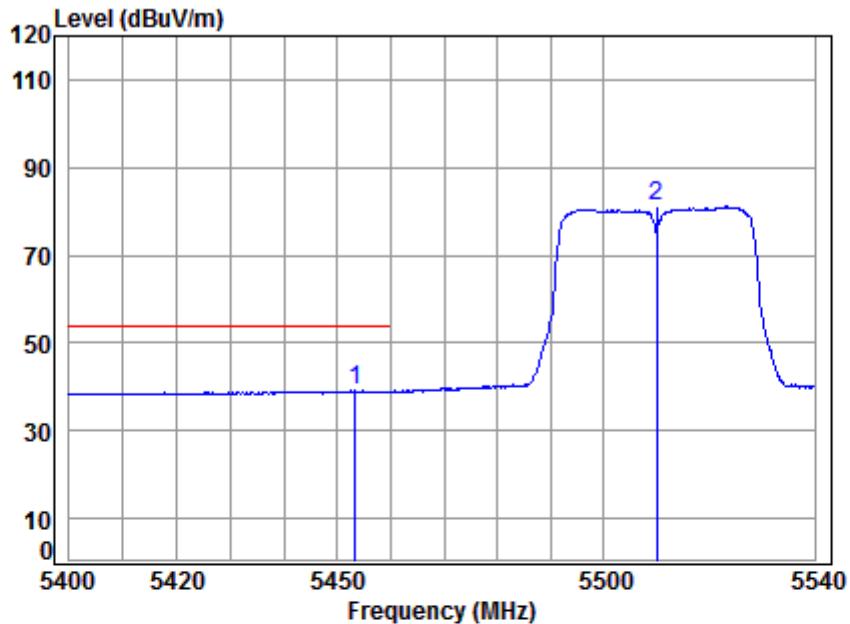
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	8.57	34.45	43.48	80.55	80.09	-----	-----
2	5350.020	8.63	34.48	43.44	39.03	38.70	54.00	-15.30
3	5364.199	8.65	34.50	43.43	39.03	38.75	54.00	-15.25

**4.9.1.69 11N40\_102 \_ Peak\_Verical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5510 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
Freq	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB

1	5459.761	8.79	34.57	43.33	48.86	48.89	74.00	-25.11	Peak
2	5466.333	8.80	34.57	43.33	47.88	47.92	68.20	-20.28	peak
3 *	5510.000	8.89	34.61	43.28	90.32	90.54	68.20	22.34	Peak

**4.9.1.70 11N40\_102\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

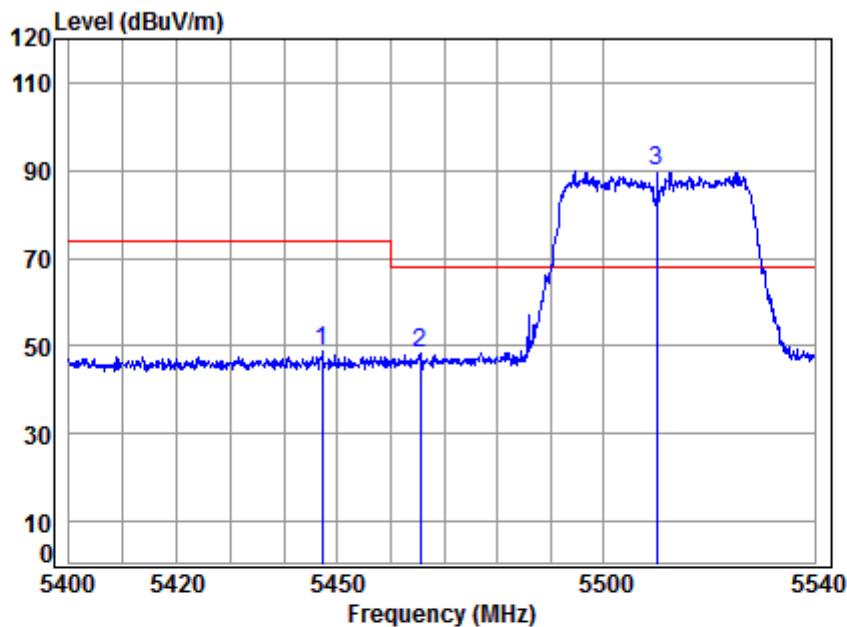
Mode : 5510 Band edge

NOTE : 5G WIFI 11N40

: MIMO

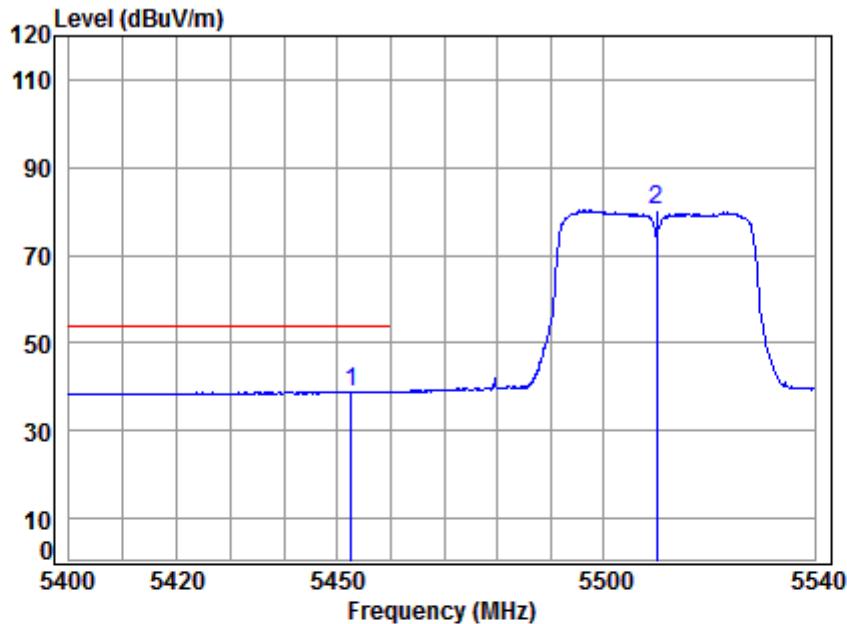
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

1	5453.336	8.78	34.56	43.34	39.04	39.04	54.00	-14.96	Average
2	5510.000	8.89	34.61	43.28	80.83	81.05	-----	-----	Average

**4.9.1.71 11N40\_102 \_Peak\_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5510 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
1	5447.199	8.77	34.56	43.34	48.84	48.83	74.00
2	5465.494	8.80	34.57	43.33	48.13	48.17	68.20
3 *	5510.000	8.89	34.61	43.28	89.55	89.77	68.20
							25.17 peak
							20.03 peak
							21.57 peak

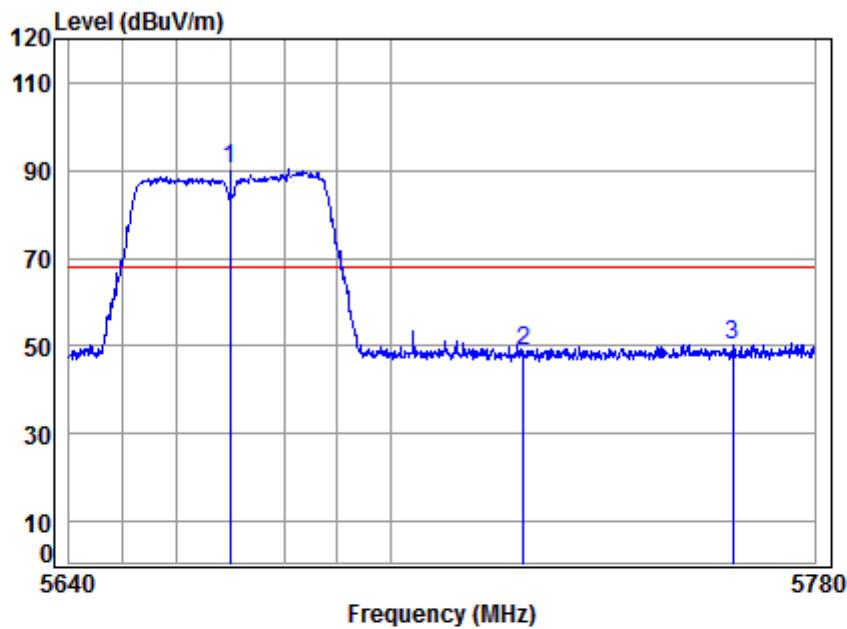
**4.9.1.72 11N40\_102 \_Average\_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5510 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5452.639	8.78	34.56	43.34	39.01	39.01	54.00	-14.99
2	5510.000	8.89	34.61	43.28	80.12	80.34	-----	-----

Average

Average

**4.9.1.73 11N40\_134 \_ Peak\_Verical**

Site : chamber

Condition: 3m VERTICAL

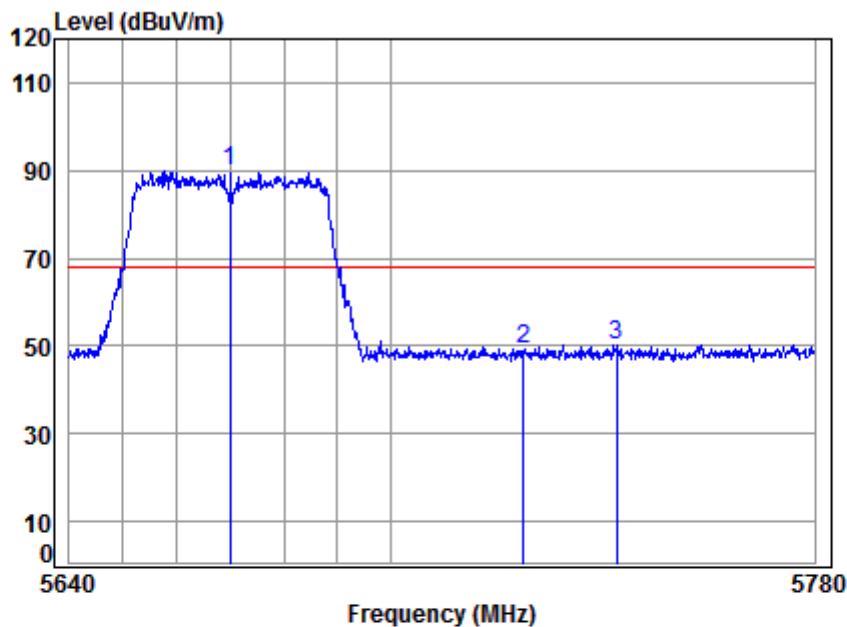
Job No : C0005

Mode : 5670 Band edge

NOTE : 5G WIFI 11N40

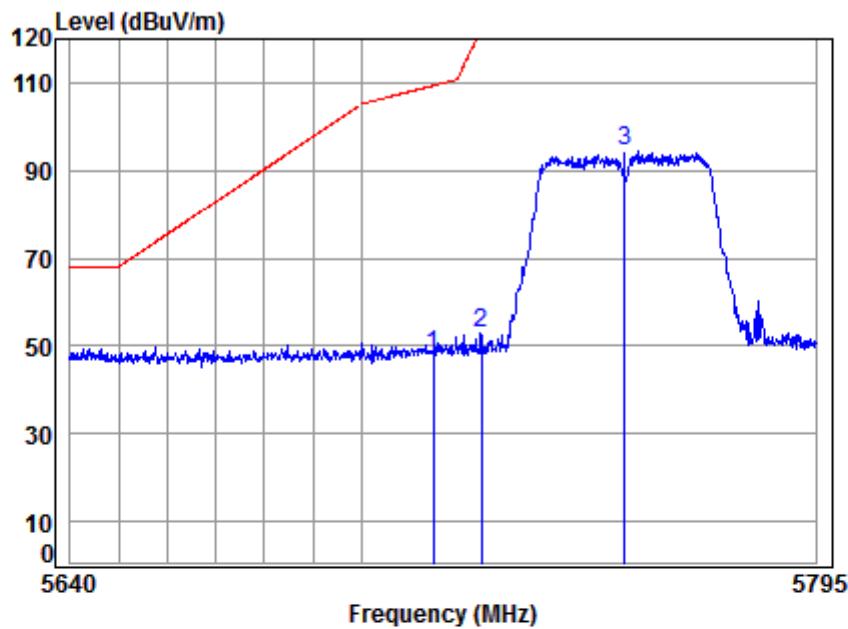
: MIMO

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	9.45	34.77	43.13	89.06	90.15	68.20	21.95 Peak
2 5725.000	9.64	34.83	43.08	47.63	49.02	68.20	-19.18 Peak
3 5764.432	9.78	34.87	43.04	48.61	50.22	68.20	-17.98 Peak

**4.9.1.74 11N40\_134 \_Peak\_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5670 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	9.45	34.77	43.13	88.61	89.70	68.20	21.50 peak
2 5725.000	9.64	34.83	43.08	47.76	49.15	68.20	-19.05 peak
3 5742.424	9.70	34.85	43.06	48.70	50.19	68.20	-18.01 peak

**4.9.1.75 11N40\_151 \_ Peak\_Verical**

Site : chamber

Condition: 3m VERTICAL

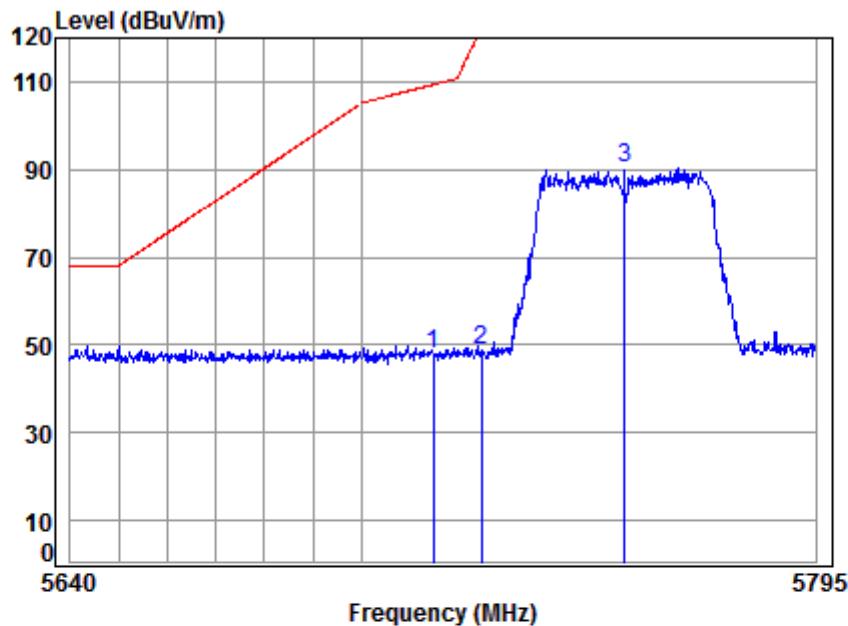
Job No : C0005

Mode : 5755 Band edge

NOTE : 5G WIFI 11N40

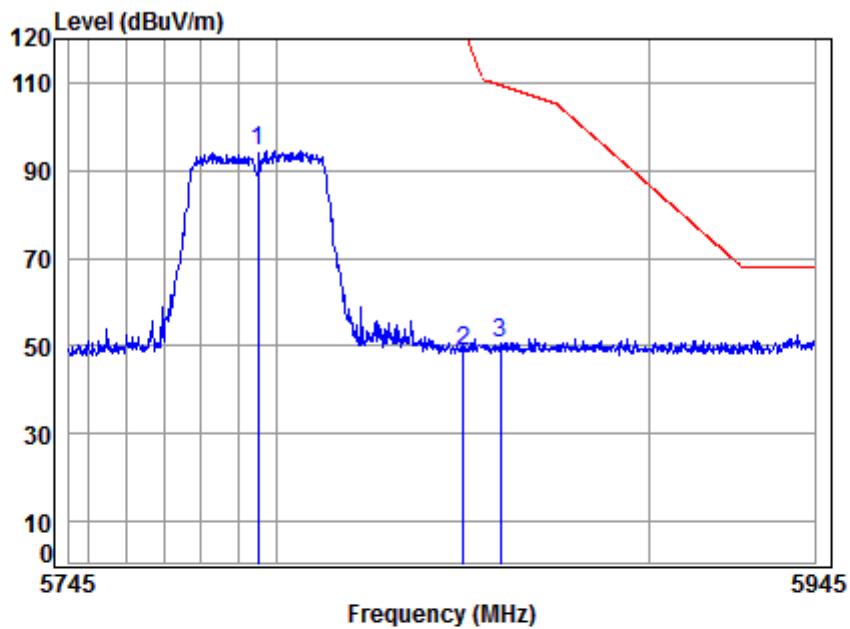
: MIMO

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	43.09	46.79	48.13	109.40	-61.27 peak
2	5725.000	9.64	34.83	43.08	51.76	53.15	122.20	-69.05 peak
3	5755.000	9.75	34.86	43.05	92.95	94.51	125.20	-30.69 peak

**4.9.1.76 11N40\_151\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5755 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	43.09	46.61	47.95	109.40	-61.45 peak
2	5725.000	9.64	34.83	43.08	47.44	48.83	122.20	-73.37 peak
3	5755.000	9.75	34.86	43.05	88.97	90.53	125.20	-34.67 peak

**4.9.1.77 11N40\_159 \_ Peak\_Verical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

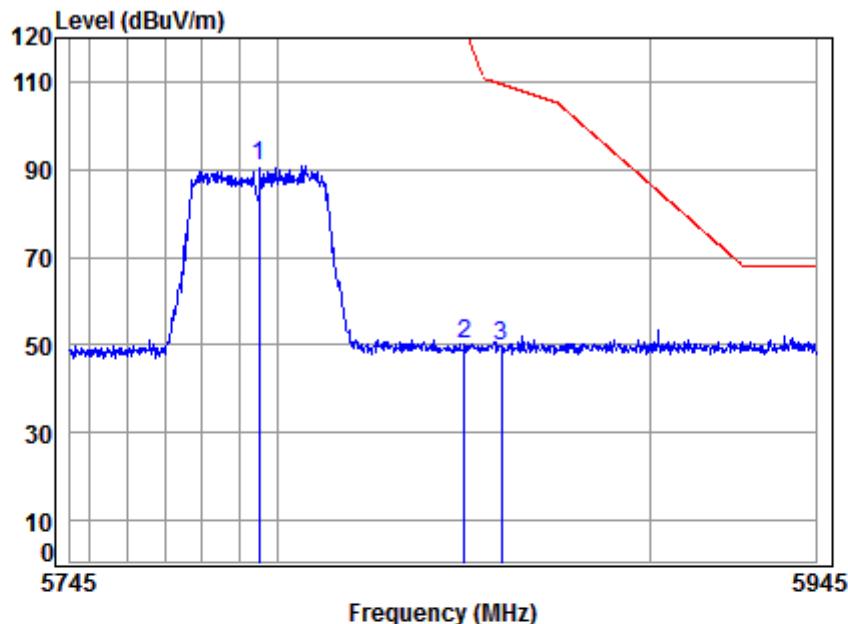
Mode : 5795 Band edge

NOTE : 5G WIFI 11N40

: MIMO

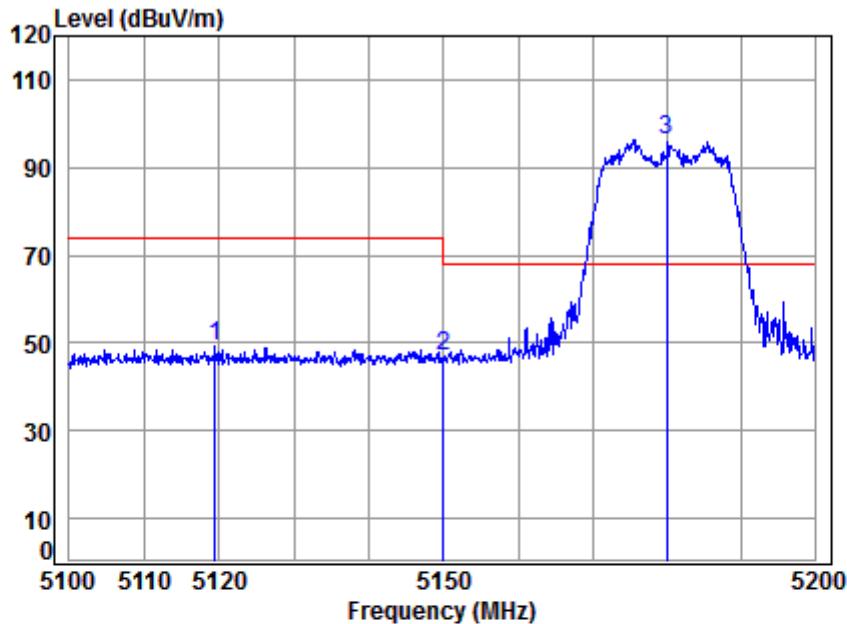
	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Line	Over Limit	Remark
Freq	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	

1	5795.000	9.88	34.90	43.02	92.90	94.66	125.20	-30.54	peak
2	5850.000	10.07	34.95	42.96	46.95	49.01	122.20	-73.19	peak
3	5860.000	10.10	34.96	42.96	48.59	50.69	109.40	-58.71	peak

**4.9.1.78 11N40\_159\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5795 Band edge  
NOTE : 5G WIFI 11N40  
: MIMO

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.000	9.88	34.90	43.02	89.04	90.80	125.20	-34.40 peak
2	5850.000	10.07	34.95	42.96	48.19	50.25	122.20	-71.95 peak
3	5860.000	10.10	34.96	42.96	47.59	49.69	109.40	-59.71 peak

**4.9.1.79 11AC20\_36\_Peak\_Verical**

Site : chamber

Condition: 3m VERTICAL

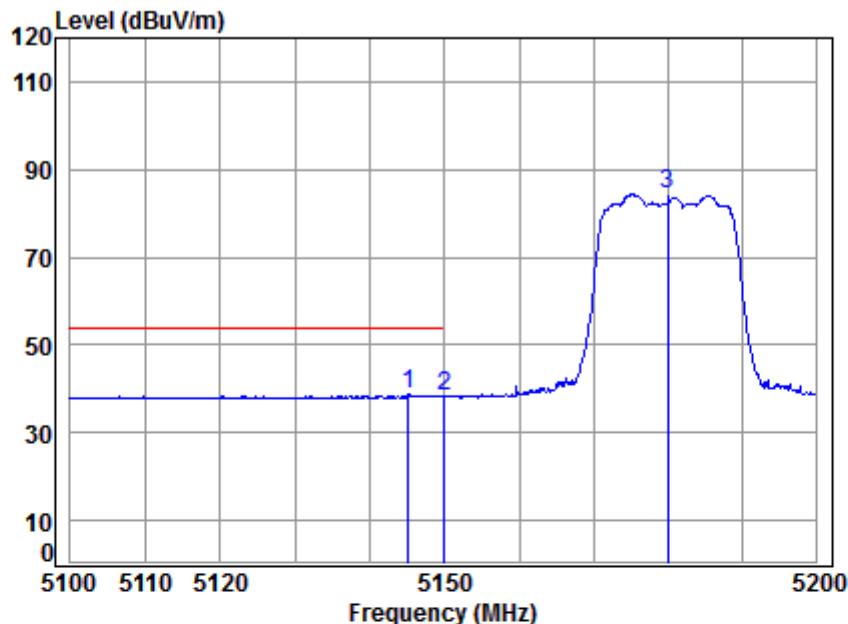
Job No : C0005

Mode : 5180 Band edge

NOTE : 5G WIFI 11AC20

: MIMO

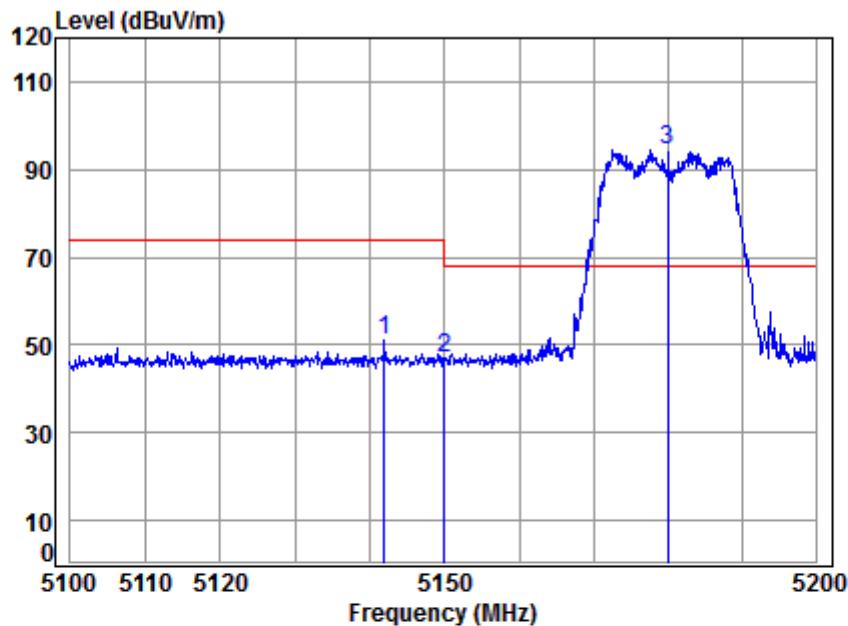
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5119.348	8.28	34.30	43.67	50.42	49.33	74.00	-24.67 Peak
2	5149.980	8.33	34.32	43.64	47.89	46.90	74.00	-27.10 Peak
3 *	5180.000	8.37	34.35	43.61	97.21	96.32	68.20	28.12 Peak

**4.9.1.80 11AC20\_36\_Average\_Vertical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5180 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

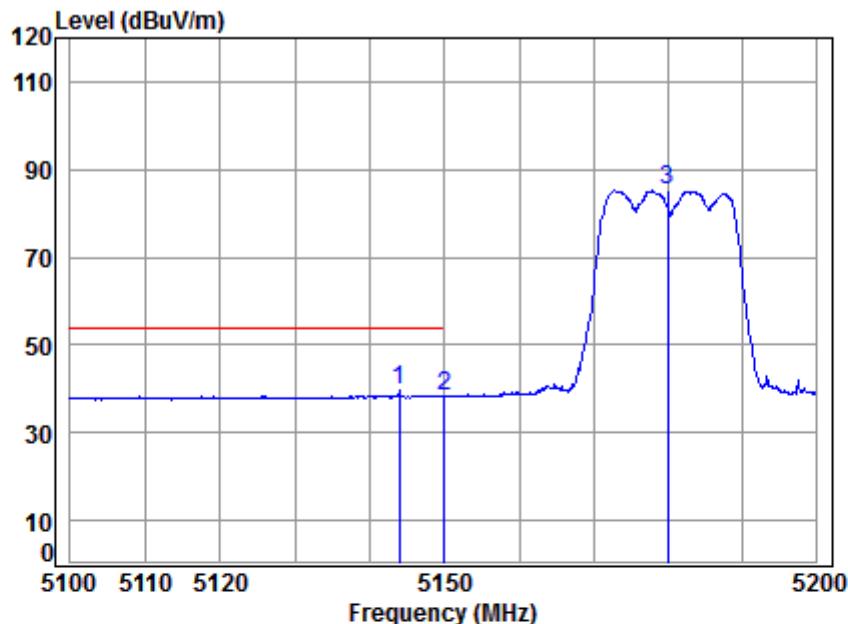
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
Freq									
1	5145.060	8.32	34.32	43.65	39.91	38.90	54.00	-15.10	Average
2	5149.980	8.33	34.32	43.64	39.31	38.32	54.00	-15.68	Average
3	5180.000	8.37	34.35	43.61	85.14	84.25	-----	-----	Average

**4.9.1.81 11AC20\_36 \_Peak\_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5180 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

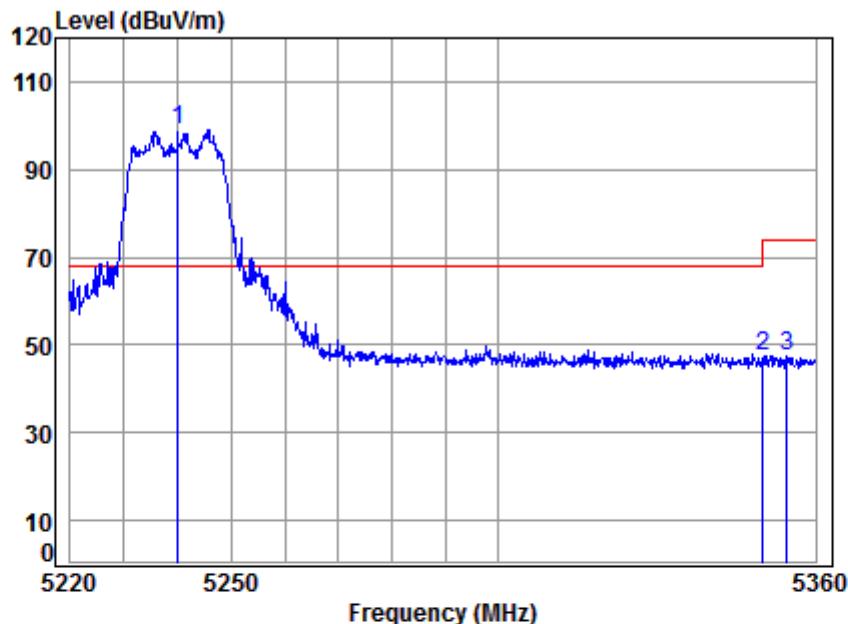
		Cable	Ant	Preamp	Read	Limit	Over	
Freq	MHz	Loss	Factor	Factor	Level	Level	Line	Limit
1	5141.963	8.31	34.32	43.65	52.16	51.14	74.00	-22.86 peak
2	5149.980	8.33	34.32	43.64	48.19	47.20	74.00	-26.80 peak
3 *	5180.000	8.37	34.35	43.61	95.55	94.66	68.20	26.46 peak

**4.9.1.82 11AC20\_36\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5180 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
Freq									
1	5143.861	8.32	34.32	43.65	40.62	39.61	54.00	-14.39	Average
2	5149.980	8.33	34.32	43.64	39.35	38.36	54.00	-15.64	Average
3	5180.000	8.37	34.35	43.61	86.05	85.16	-----	-----	Average

**4.9.1.83 11AC20\_48\_Peak\_Vertical**

Site : chamber

Condition: 3m VERTICAL

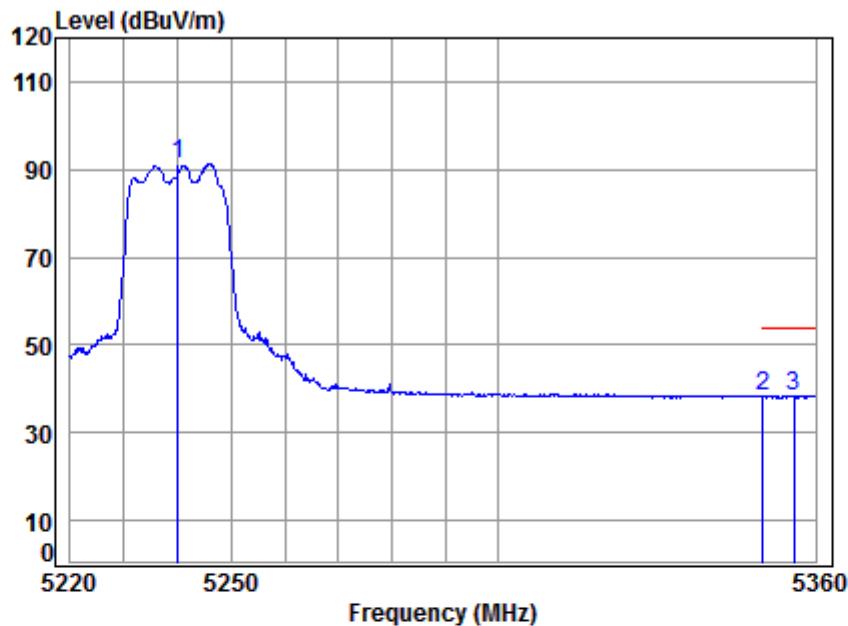
Job No : C0005

Mode : 5240 Band edge

NOTE : 5G WIFI 11AC20

: MIMO

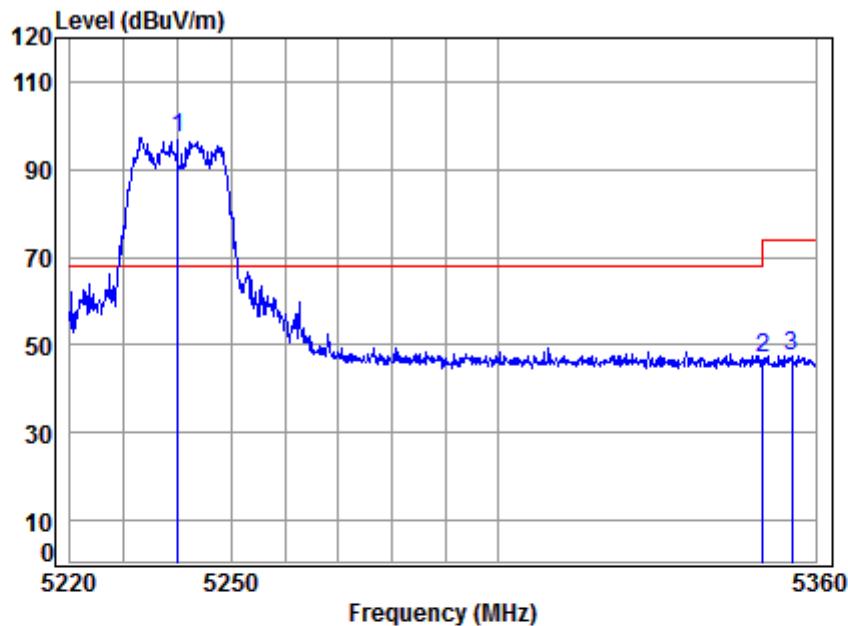
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB
1 *	5240.000	8.46	34.40	43.55	99.68	98.99	68.20
2	5350.020	8.63	34.48	43.44	47.83	47.50	74.00
3	5354.470	8.64	34.49	43.44	47.84	47.53	74.00

**4.9.1.84 11AC20\_48\_Average\_Vertical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5240 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

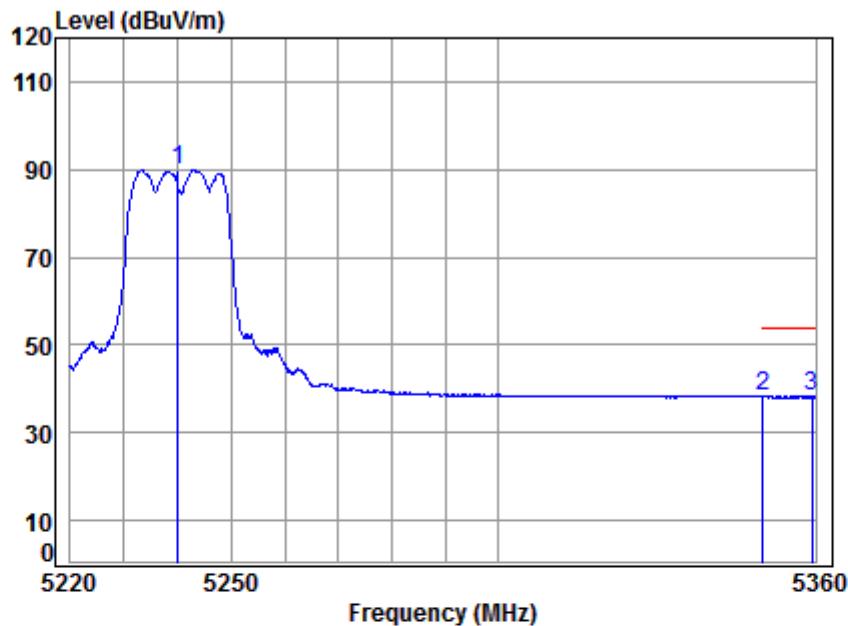
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
Freq									
1	5240.000	8.46	34.40	43.55	92.05	91.36	-----	-----	Average
2	5350.020	8.63	34.48	43.44	38.66	38.33	54.00	-15.67	Average
3	5355.888	8.64	34.49	43.43	38.67	38.37	54.00	-15.63	Average

**4.9.1.85 11AC20\_48 \_Peak\_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5240 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	8.46	34.40	43.55	98.03	97.34	68.20	29.14 peak
2 5350.020	8.63	34.48	43.44	47.17	46.84	74.00	-27.16 peak
3 5355.462	8.64	34.49	43.43	47.97	47.67	74.00	-26.33 peak

**4.9.1.86 11AC20\_48\_Average\_Horizontal**

Site : chamber

Condition: 3m HORIZONTAL

Job No : C0005

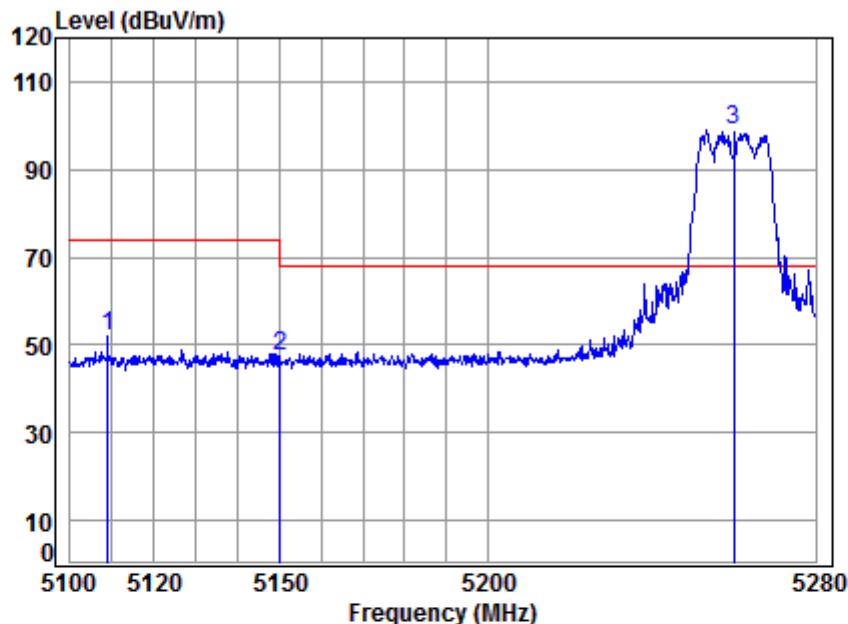
Mode : 5240 Band edge

NOTE : 5G WIFI 11AC20

: MIMO

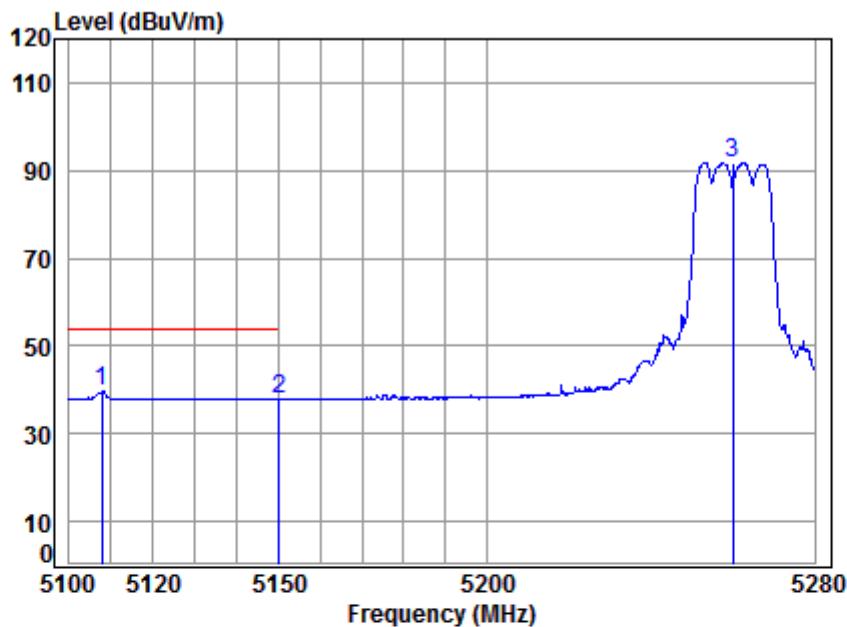
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
Freq									
1	5240.000	8.46	34.40	43.55	90.44	89.75	-----	-----	Average
2	5350.020	8.63	34.48	43.44	38.51	38.18	54.00	-15.82	Average
3	5359.291	8.64	34.49	43.43	38.67	38.37	54.00	-15.63	Average

**4.9.1.87 11AC20\_52\_Peak\_Vertical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5260 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	MHz	Loss	Factor	Factor	Level	Level	Line	Limit
1	5108.853	8.26	34.29	43.69	53.03	51.89	74.00	-22.11 Peak
2	5149.980	8.33	34.32	43.64	48.62	47.63	74.00	-26.37 Peak
3 *	5260.000	8.49	34.41	43.53	99.44	98.81	68.20	30.61 Peak

**4.9.1.88 11AC20\_52\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

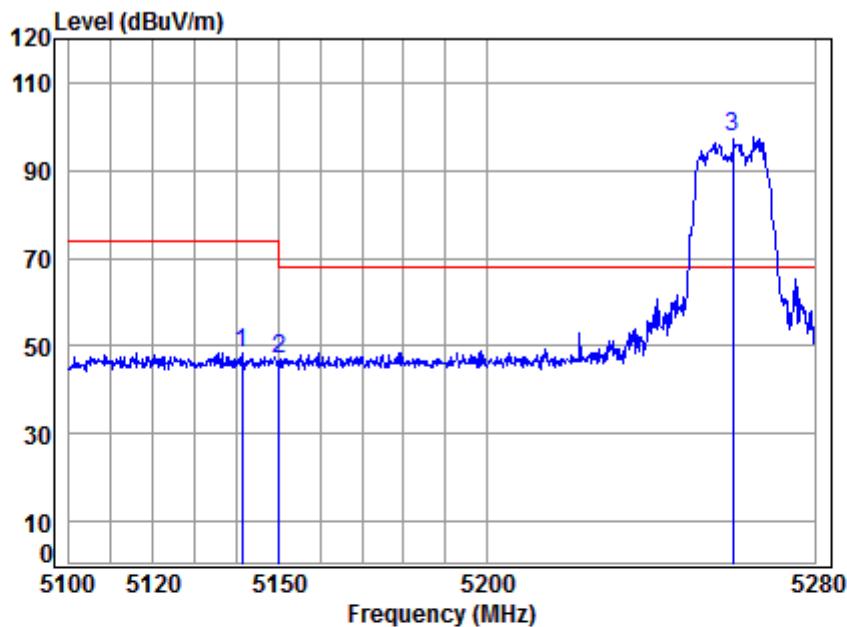
Mode : 5260 Band edge

NOTE : 5G WIFI 11AC20

: MIMO

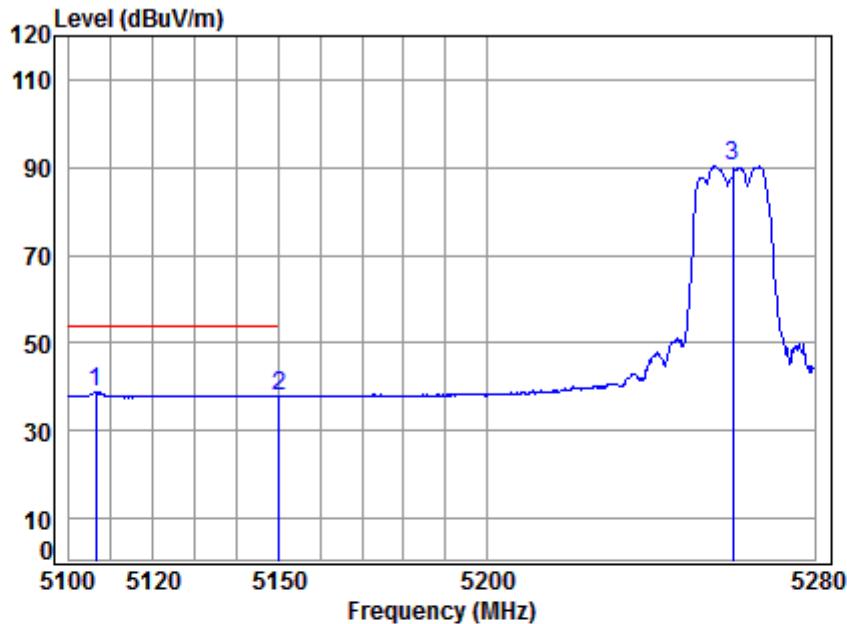
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

1	5107.790	8.26	34.29	43.69	40.74	39.60	54.00	-14.40	Average
2	5149.980	8.33	34.32	43.64	38.89	37.90	54.00	-16.10	Average
3	5260.000	8.49	34.41	43.53	92.57	91.94	-----	-----	Average

**4.9.1.89 11AC20\_52\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5260 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

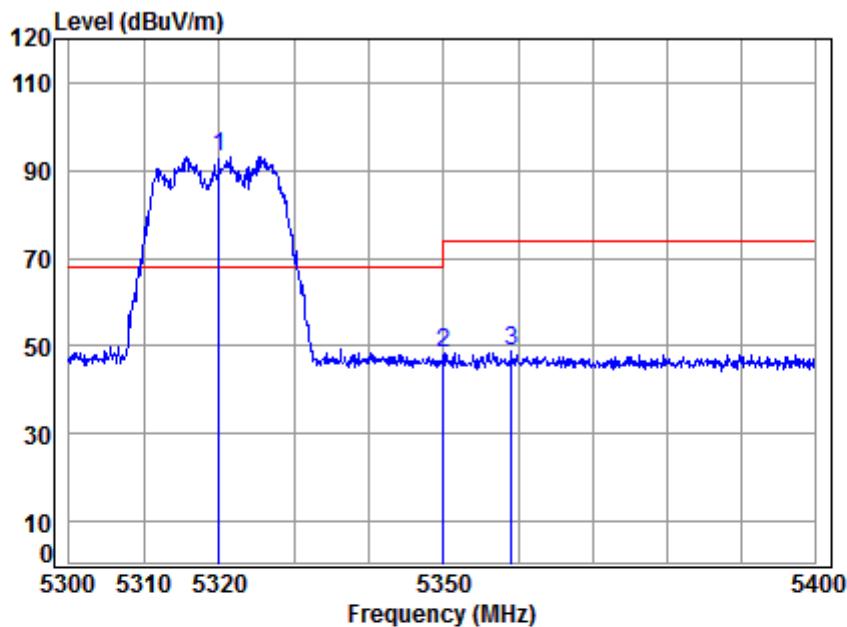
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5141.206	8.31	34.32	43.65	49.32	48.30	74.00	-25.70 peak
2	5149.980	8.33	34.32	43.64	47.76	46.77	74.00	-27.23 peak
3 *	5260.000	8.49	34.41	43.53	98.19	97.56	68.20	29.36 peak

**4.9.1.90 11AC20\_52\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5260 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5106.372	8.26	34.29	43.69	39.91	38.77	54.00	-15.23	Average
2	5149.980	8.33	34.32	43.64	38.97	37.98	54.00	-16.02	Average
3	5260.000	8.49	34.41	43.53	91.03	90.40	-----	-----	Average

**4.9.1.91 11AC20\_64\_Peak\_Vertical**

Site : chamber

Condition: 3m VERTICAL

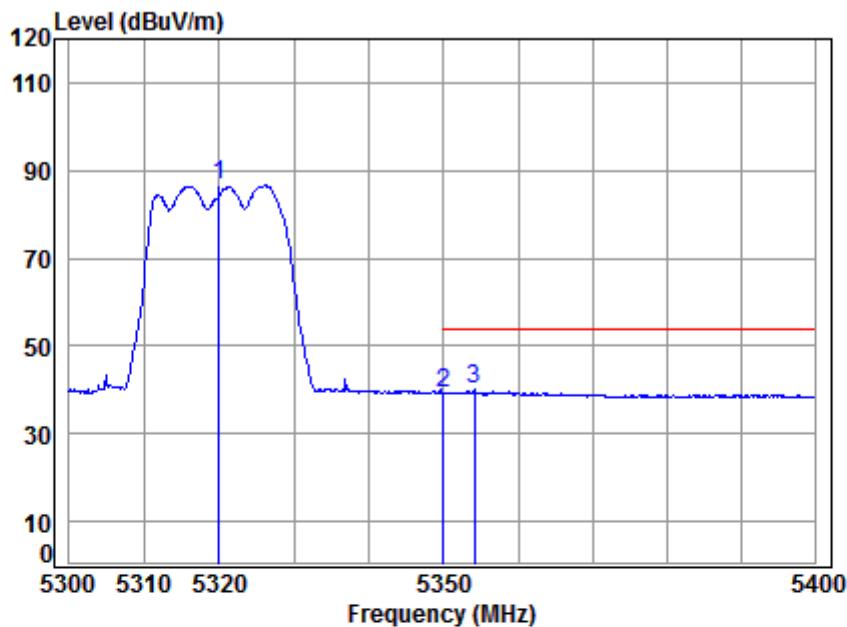
Job No : C0005

Mode : 5320 Band edge

NOTE : 5G WIFI 11AC20

: MIMO

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	8.58	34.46	43.47	93.55	93.12	68.20	24.92 Peak
2 5350.020	8.63	34.48	43.44	48.71	48.38	74.00	-25.62 Peak
3 5359.074	8.64	34.49	43.43	49.05	48.75	74.00	-25.25 Peak

**4.9.1.92 11AC20\_64\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

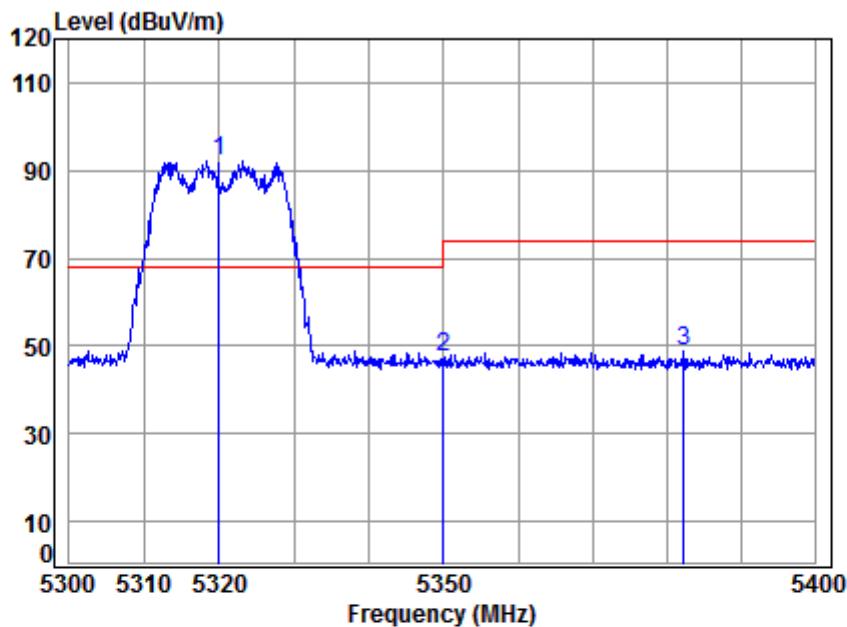
Mode : 5320 Band edge

NOTE : 5G WIFI 11AC20

: MIMO

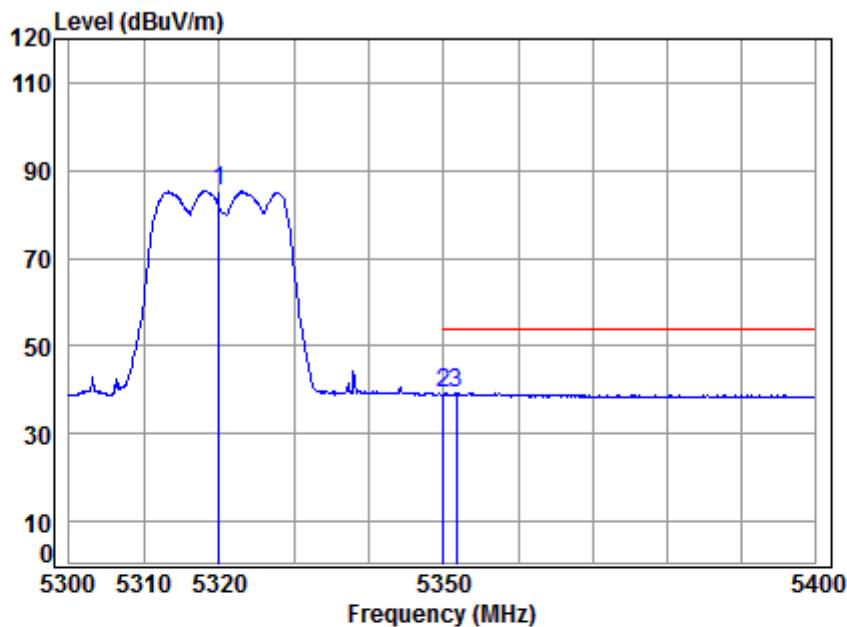
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	8.58	34.46	43.47	86.96	86.53	-----	-----
2	5350.020	8.63	34.48	43.44	39.70	39.37	54.00	-14.63
3	5354.068	8.64	34.49	43.44	40.42	40.11	54.00	-13.89

**4.9.1.93 11AC20\_64\_Peak\_Horizontal**

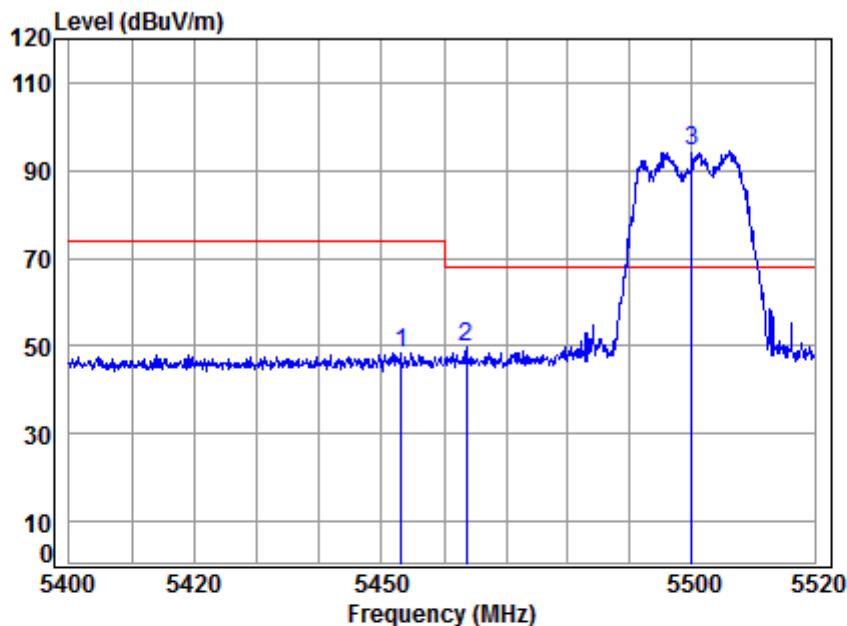
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5320 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	8.58	34.46	43.47	92.66	92.23	68.20	24.03 peak
2 5350.020	8.63	34.48	43.44	47.60	47.27	74.00	-26.73 peak
3 5382.365	8.68	34.51	43.41	49.12	48.90	74.00	-25.10 peak

**4.9.1.94 11AC20\_64\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5320 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	8.58	34.46	43.47	85.64	85.21	-----	Average
2	5350.020	8.63	34.48	43.44	39.35	39.02	54.00	-14.98 Average
3	5351.667	8.63	34.49	43.44	39.54	39.22	54.00	-14.78 Average

**4.9.1.95 11AC20\_100\_Peak\_Vertical**

Site : chamber

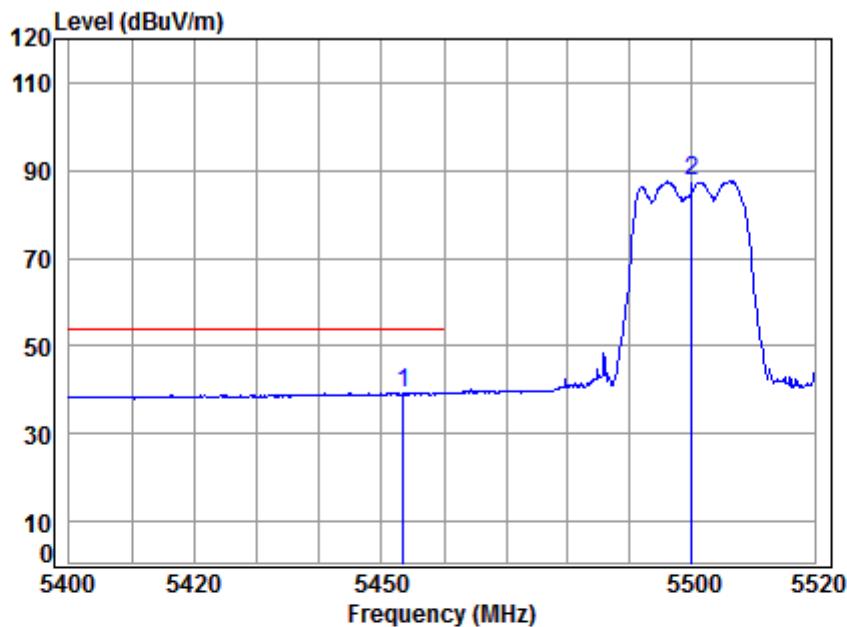
Condition: 3m VERTICAL

Job No : C0005

Mode : 5500 Band edge

NOTE : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5453.074	8.78	34.56	43.34	48.40	48.40	74.00	-25.60	Peak
2	5463.632	8.80	34.57	43.33	49.47	49.51	68.20	-18.69	Peak
3 *	5500.000	8.85	34.60	43.29	94.06	94.22	68.20	26.02	Peak

**4.9.1.96 11AC20\_100\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

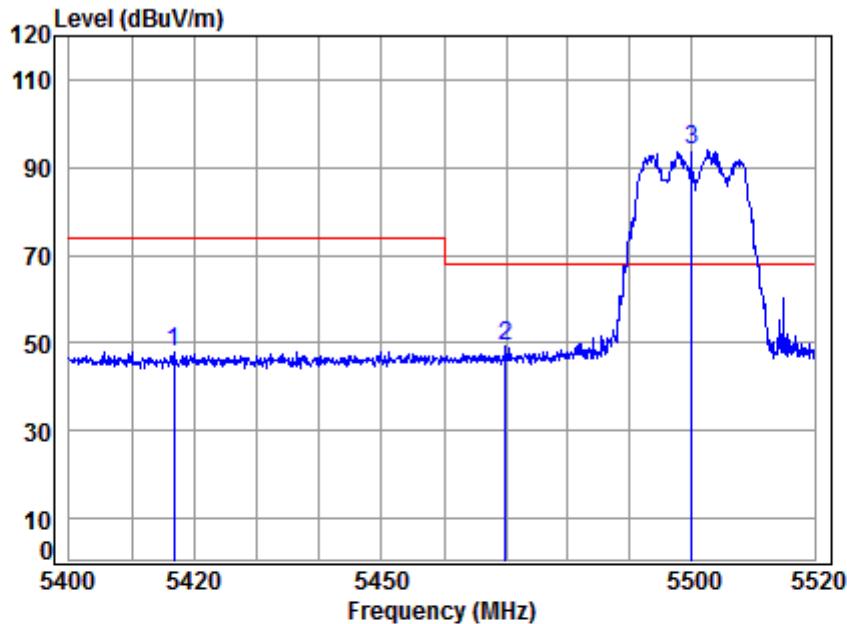
Mode : 5500 Band edge

NOTE : 5G WIFI 11AC20

: MIMO

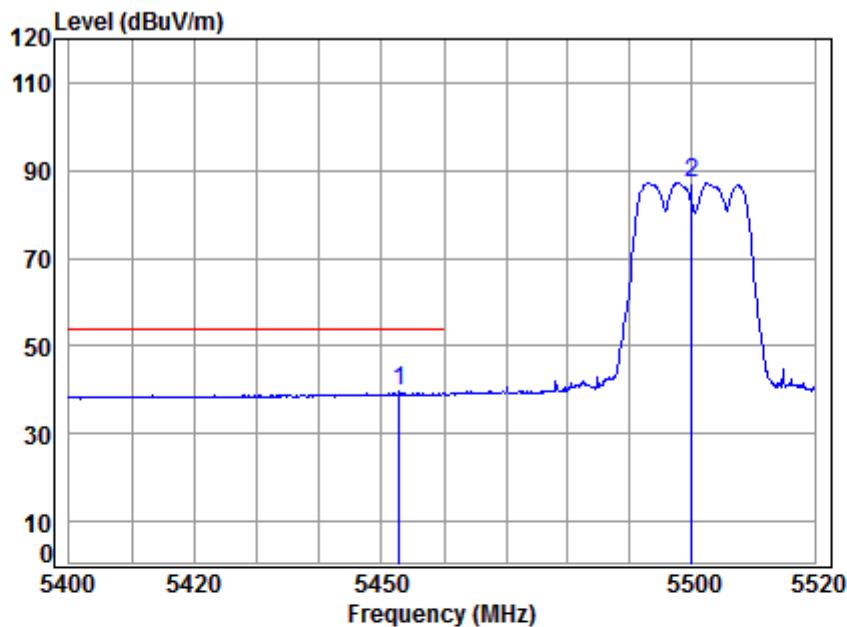
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

1	5453.434	8.78	34.56	43.34	39.39	39.39	54.00	-14.61	Average
2	5500.000	8.85	34.60	43.29	87.25	87.41	-----	-----	Average

**4.9.1.97 11AC20\_100\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5500 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

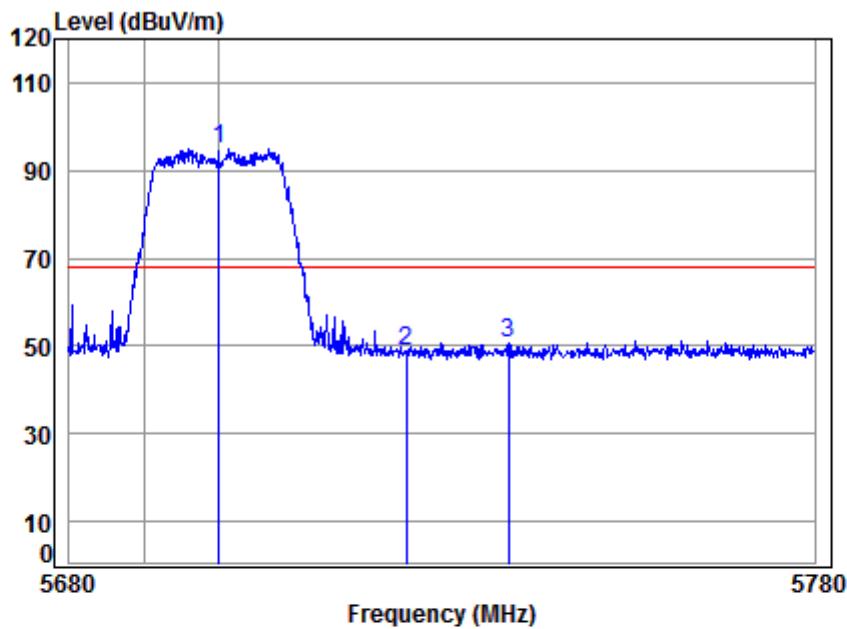
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
1	5416.642	8.73	34.54	43.37	48.13	48.03	74.00
2	5469.880	8.81	34.58	43.32	49.36	49.43	68.20
3 *	5500.000	8.85	34.60	43.29	93.61	93.77	68.20
							25.57
							peak
							peak
							peak

**4.9.1.98 11AC20\_100\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5500 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5452.835	8.78	34.56	43.34	39.55	39.55	54.00	-14.45
2	5500.000	8.85	34.60	43.29	86.99	87.15	-----	-----

**4.9.1.99 11AC20\_140\_Peak\_Vertical**

Site : chamber

Condition: 3m VERTICAL

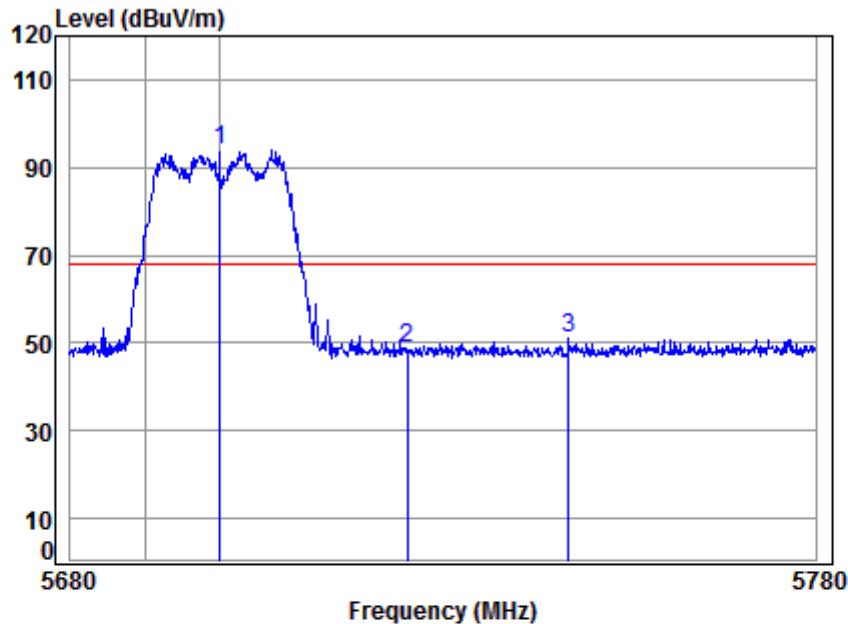
Job No : C0005

Mode : 5700 Band edge

NOTE : 5G WIFI 11AC20

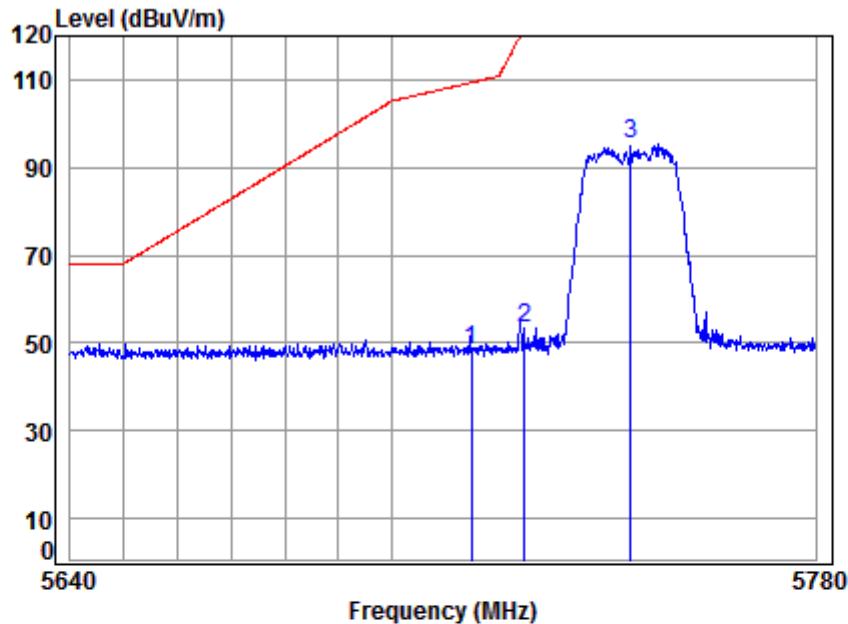
: MIMO

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 *	5700.000	9.56	34.81	43.10	93.65	94.92	68.20	26.72 Peak
2	5725.000	9.64	34.83	43.08	47.63	49.02	68.20	-19.18 Peak
3	5738.688	9.69	34.84	43.07	49.00	50.46	68.20	-17.74 Peak

**4.9.1.100 11AC20\_140\_Peak\_Horizontal**

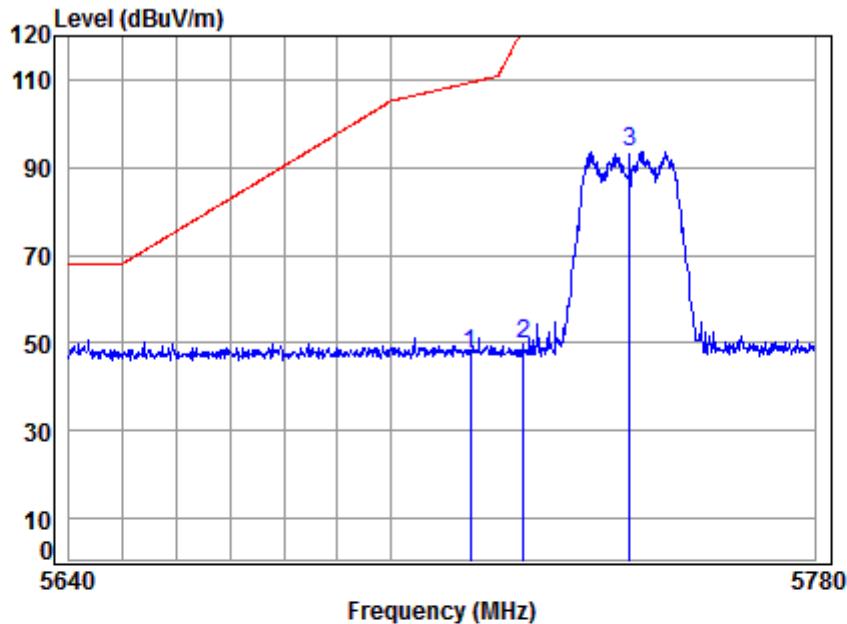
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5700 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB
1 *	5700.000	9.56	34.81	43.10	92.73	94.00	68.20 25.80 peak
2	5725.000	9.64	34.83	43.08	47.48	48.87	68.20 -19.33 peak
3	5746.606	9.72	34.85	43.06	49.58	51.09	68.20 -17.11 peak

**4.9.1.101 11AC20\_149\_Peak\_Verical**

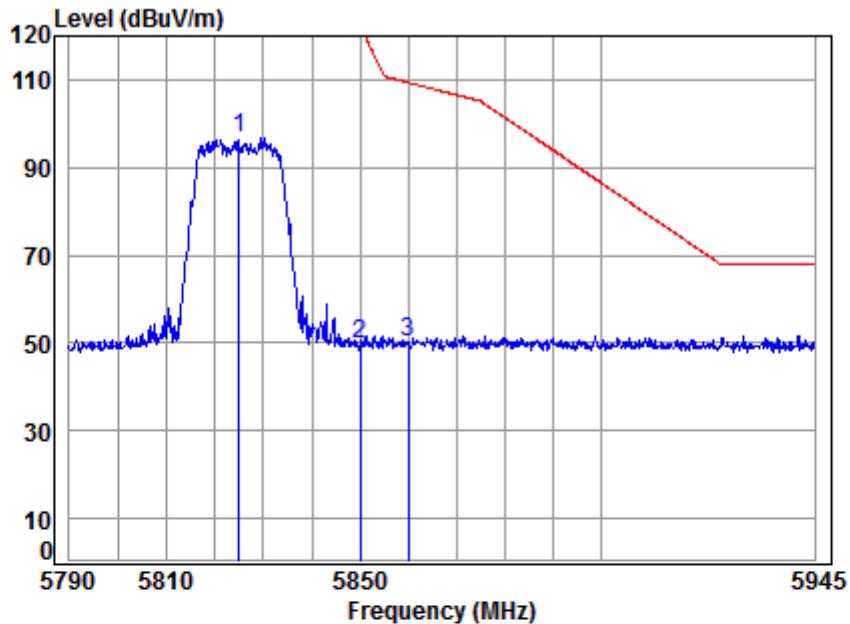
Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5745 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Over Remark
1	5715.000	9.61	34.82	43.09	46.92	48.26	109.40	-61.14	peak	
2	5725.000	9.64	34.83	43.08	51.91	53.30	122.20	-68.90	peak	
3	5745.000	9.71	34.85	43.06	93.98	95.48	125.20	-29.72	peak	

**4.9.1.102 11AC20\_149\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5745 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	43.09	46.17	47.51	109.40	-61.89 peak
2	5725.000	9.64	34.83	43.08	48.21	49.60	122.20	-72.60 peak
3	5745.000	9.71	34.85	43.06	92.16	93.66	125.20	-31.54 peak

**4.9.1.103 11AC20\_165\_Peak\_Vertical**

Site : chamber

Condition: 3m VERTICAL

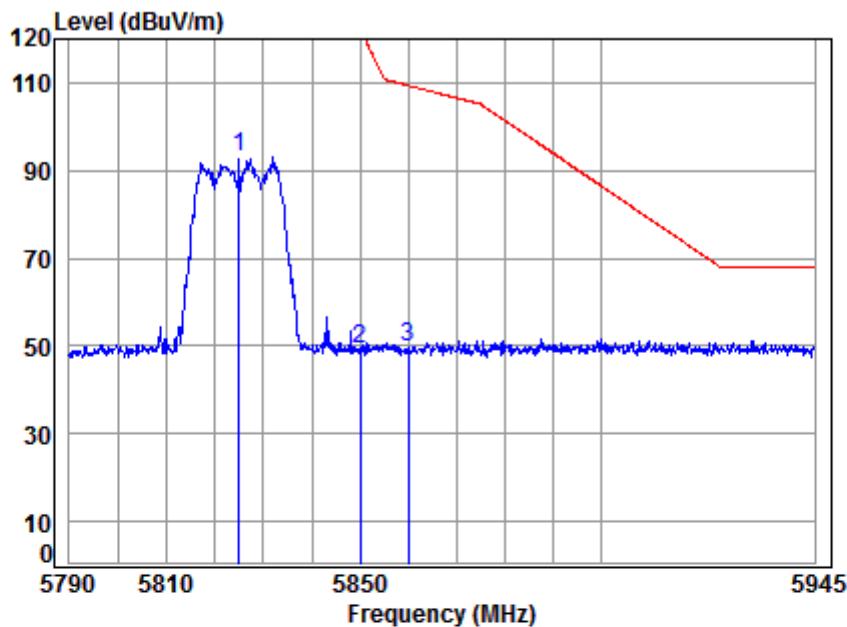
Job No : C0005

Mode : 5825 Band edge

NOTE : 5G WIFI 11AC20

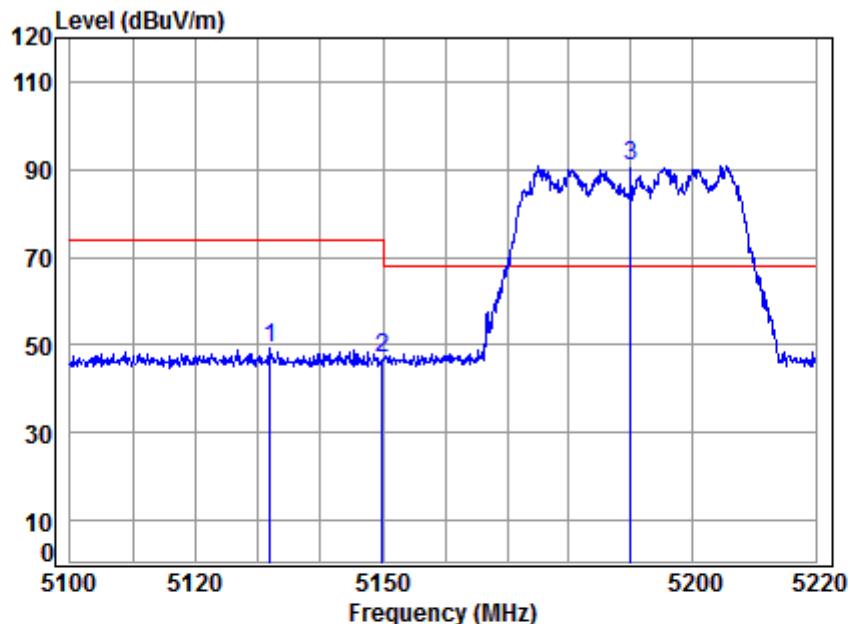
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	9.98	34.93	42.99	94.93	96.85	125.20	-28.35 peak
2	5850.000	10.07	34.95	42.96	47.86	49.92	122.20	-72.28 peak
3	5860.000	10.10	34.96	42.96	48.12	50.22	109.40	-59.18 peak

**4.9.1.104 11AC20\_165\_Peak\_Horizontal**

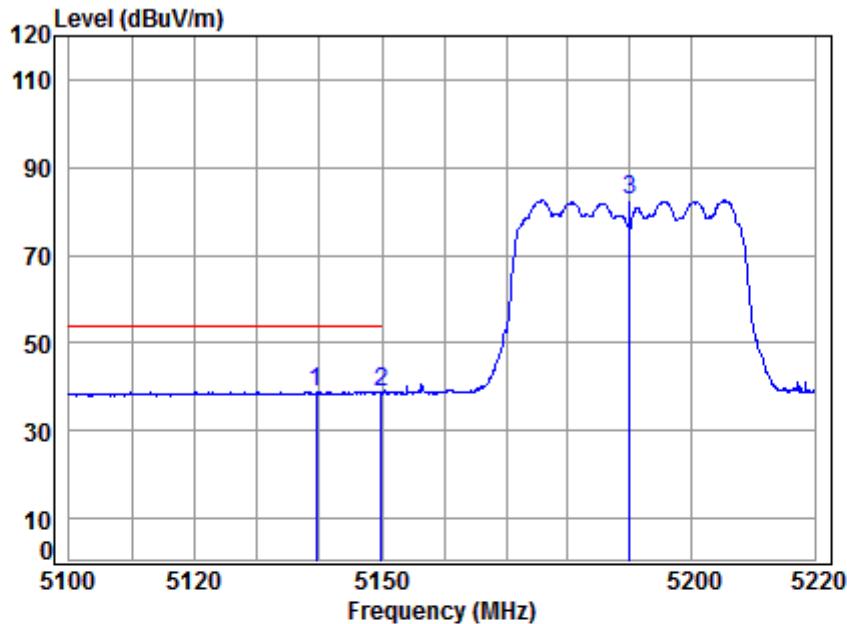
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5825 Band edge  
NOTE : 5G WIFI 11AC20  
: MIMO

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	9.98	34.93	42.99	91.06	92.98	125.20	-32.22 peak
2	5850.000	10.07	34.95	42.96	47.31	49.37	122.20	-72.83 peak
3	5860.000	10.10	34.96	42.96	47.85	49.95	109.40	-59.45 peak

**4.9.1.105 11AC40\_38 \_ Peak\_ Vertical**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5190 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5131.887	8.30	34.31	43.66	50.38	49.33	74.00	-24.67	Peak
2	5149.980	8.33	34.32	43.64	47.92	46.93	74.00	-27.07	Peak
3 *	5190.000	8.39	34.36	43.60	91.66	90.81	68.20	22.61	Peak

**4.9.1.106 11AC40\_38\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

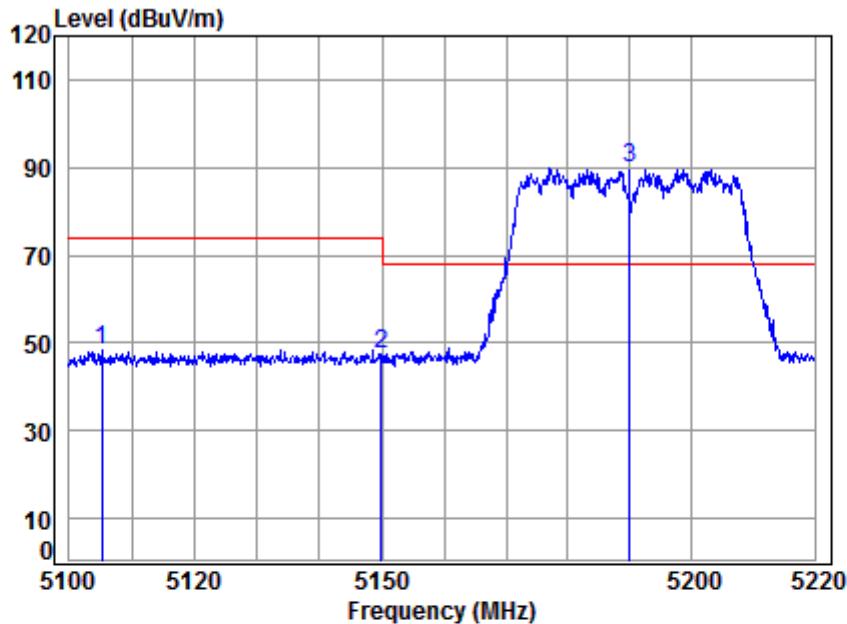
Mode : 5190 Band edge

NOTE : 5G WIFI 11AC40

: MIMO

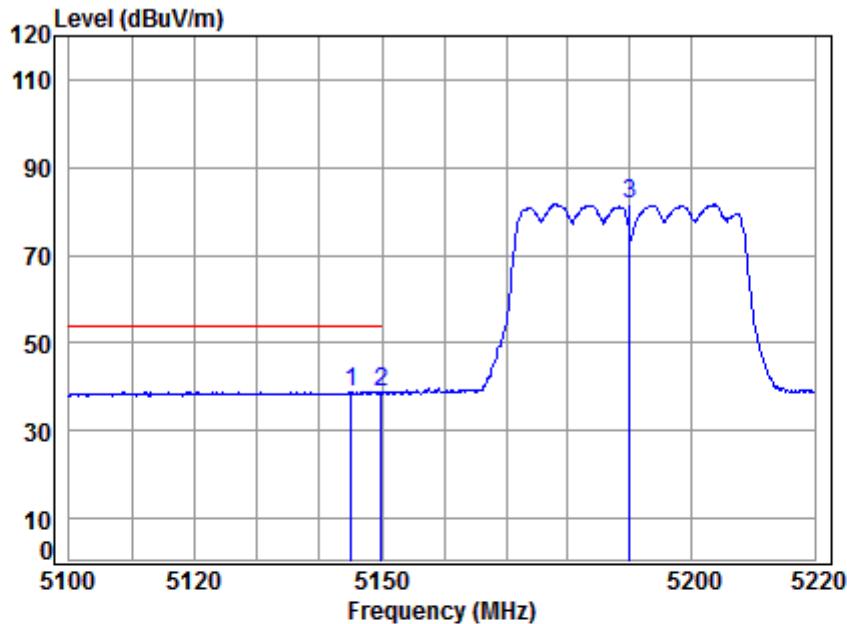
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

1	5139.412	8.31	34.32	43.65	40.01	38.99	54.00	-15.01	Average
2	5149.980	8.33	34.32	43.64	39.73	38.74	54.00	-15.26	Average
3	5190.000	8.39	34.36	43.60	83.52	82.67	-----	-----	Average

**4.9.1.107 11AC40\_38\_Peak\_Horizontal**

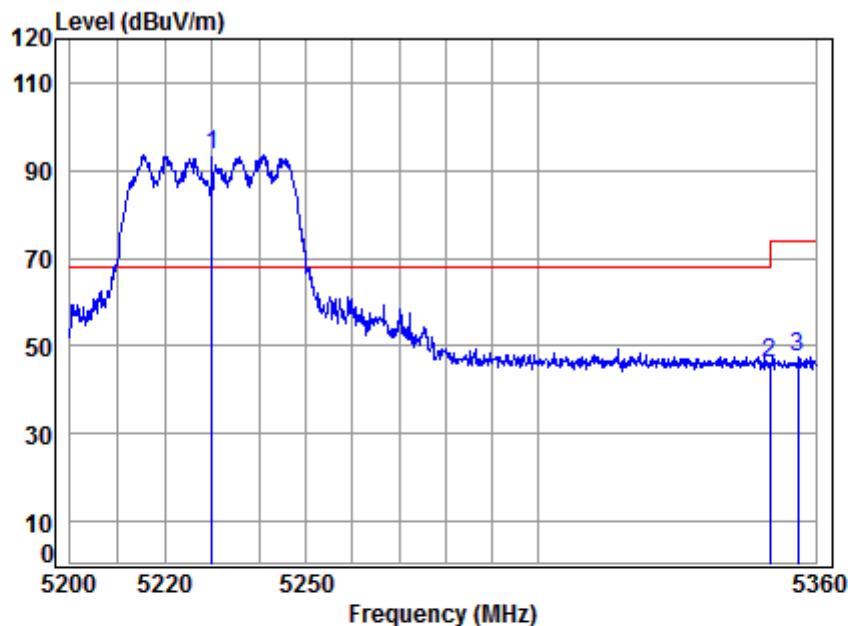
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5190 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
1	5105.222	8.26	34.29	43.69	49.66	48.52	74.00 -25.48 peak
2	5149.980	8.33	34.32	43.64	48.31	47.32	74.00 -26.68 peak
3 *	5190.000	8.39	34.36	43.60	90.76	89.91	68.20 21.71 peak

**4.9.1.108 11AC40\_38\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5190 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

		Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	Freq	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5145.152	8.32	34.32	43.65	39.94	38.93	54.00	-15.07	Average
2	5149.980	8.33	34.32	43.64	39.98	38.99	54.00	-15.01	Average
3	5190.000	8.39	34.36	43.60	82.45	81.60	-----	-----	Average

**4.9.1.109 11AC40\_46 \_ Peak\_Verical**

Site : chamber

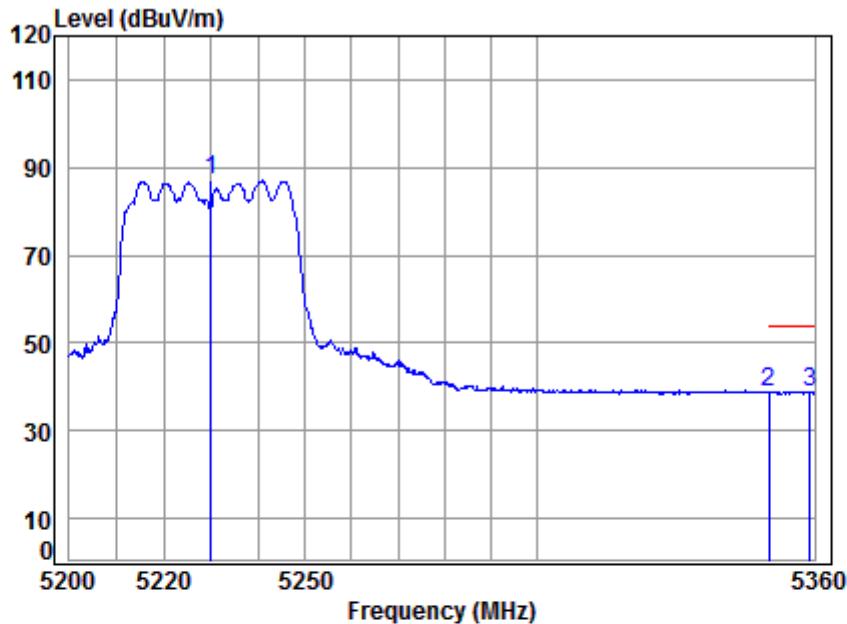
Condition: 3m VERTICAL

Job No : C0005

Mode : 5230 Band edge

NOTE : 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5230.000	8.45	34.39	43.56	94.29	93.57	68.20	25.37 Peak
2 5350.020	8.63	34.48	43.44	46.50	46.17	74.00	-27.83 Peak
3 5356.103	8.64	34.49	43.43	47.88	47.58	74.00	-26.42 Peak

**4.9.1.110 11AC40\_46\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

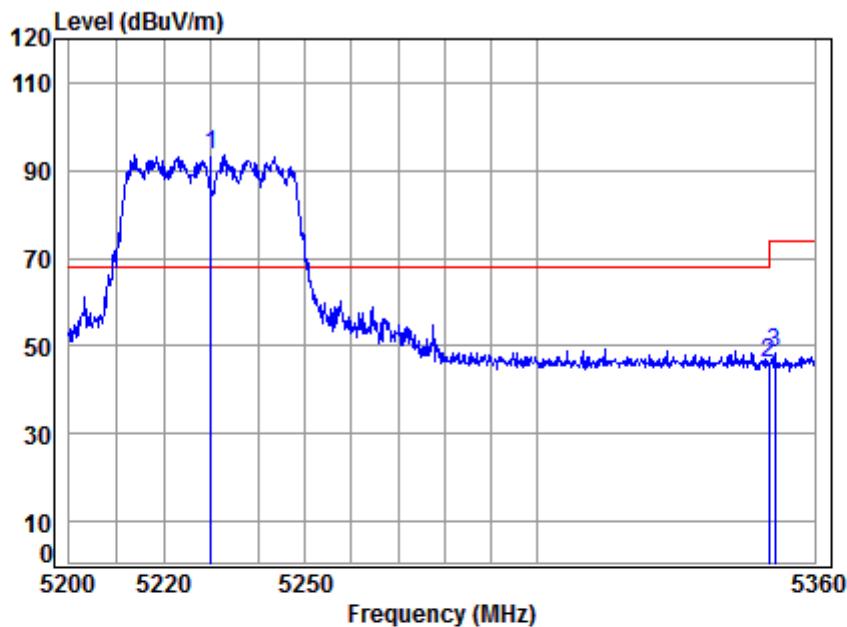
Mode : 5230 Band edge

NOTE : 5G WIFI 11AC40

: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

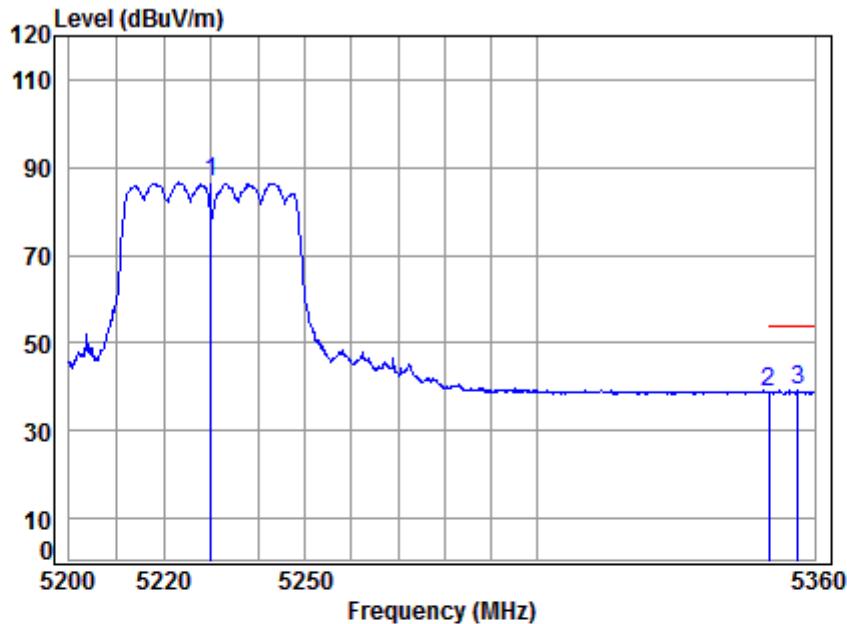
1	5230.000	8.45	34.39	43.56	87.65	86.93	-----	-----	Average
2	5350.020	8.63	34.48	43.44	39.20	38.87	54.00	-15.13	Average
3	5359.025	8.64	34.49	43.43	39.25	38.95	54.00	-15.05	Average

**4.9.1.111 11AC40\_46\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5230 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

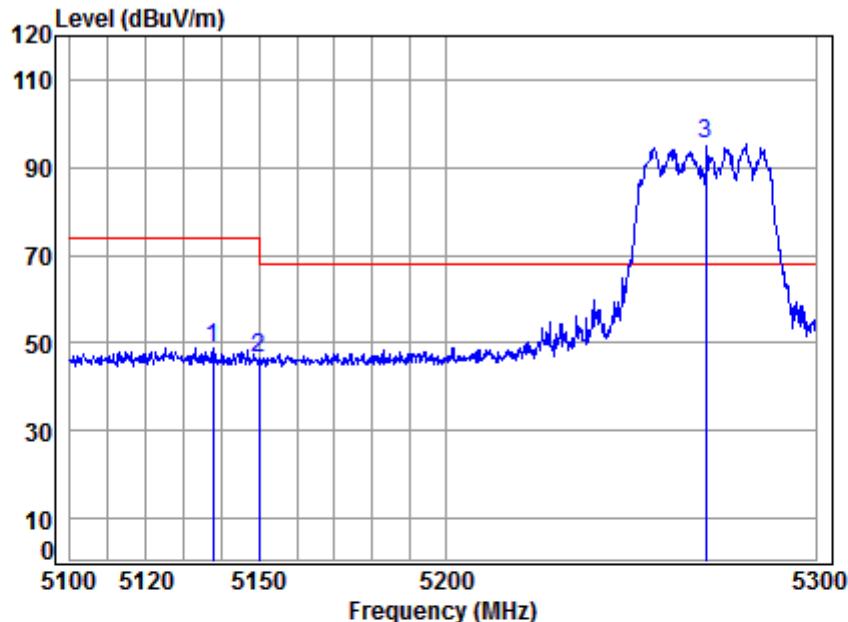
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

1 *	5230.000	8.45	34.39	43.56	94.26	93.54	68.20	25.34	peak
2	5350.020	8.63	34.48	43.44	46.60	46.27	74.00	-27.73	peak
3	5351.398	8.63	34.49	43.44	48.54	48.22	74.00	-25.78	peak

**4.9.1.112 11AC40\_46\_Average\_Horizontal**

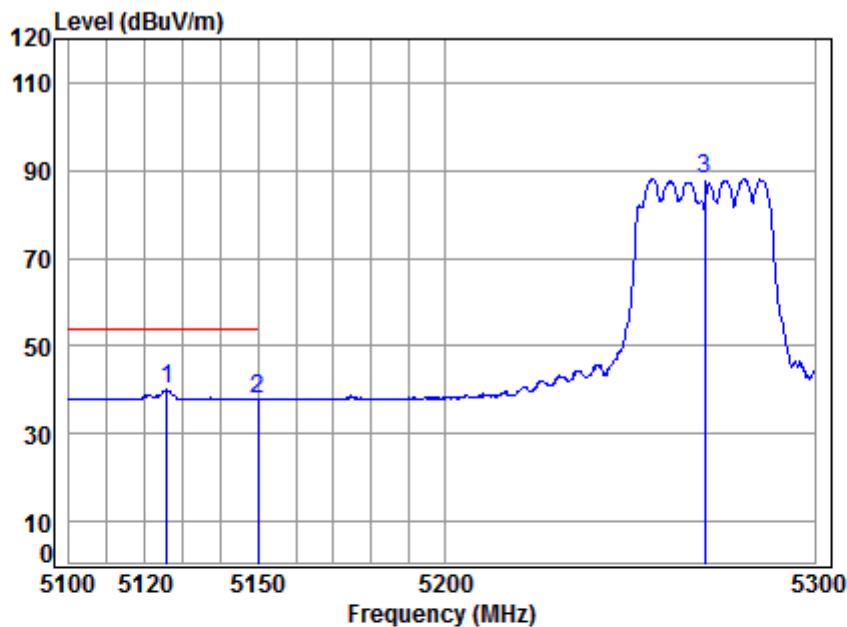
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5230 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5230.000	8.45	34.39	43.56	87.22	86.50	-----	Average
2 5350.020	8.63	34.48	43.44	39.15	38.82	54.00	-15.18 Average
3 5356.428	8.64	34.49	43.43	39.36	39.06	54.00	-14.94 Average

**4.9.1.113 11AC40\_54\_Peak\_Virtual**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5270 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	MHz	Loss	Factor	Factor	Level	Level	Line	Limit
1	5137.608	8.31	34.31	43.66	49.94	48.90	74.00	-25.10
2	5149.980	8.33	34.32	43.64	47.76	46.77	74.00	-27.23
3 *	5270.000	8.51	34.42	43.52	96.11	95.52	68.20	27.32

**4.9.1.114 11AC40\_54\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

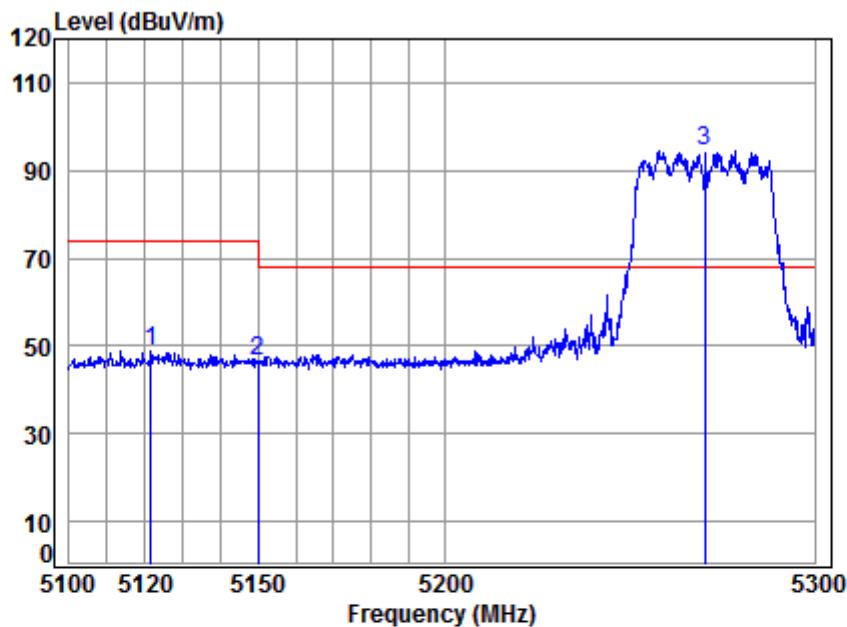
Mode : 5270 Band edge

NOTE : 5G WIFI 11AC40

: MIMO

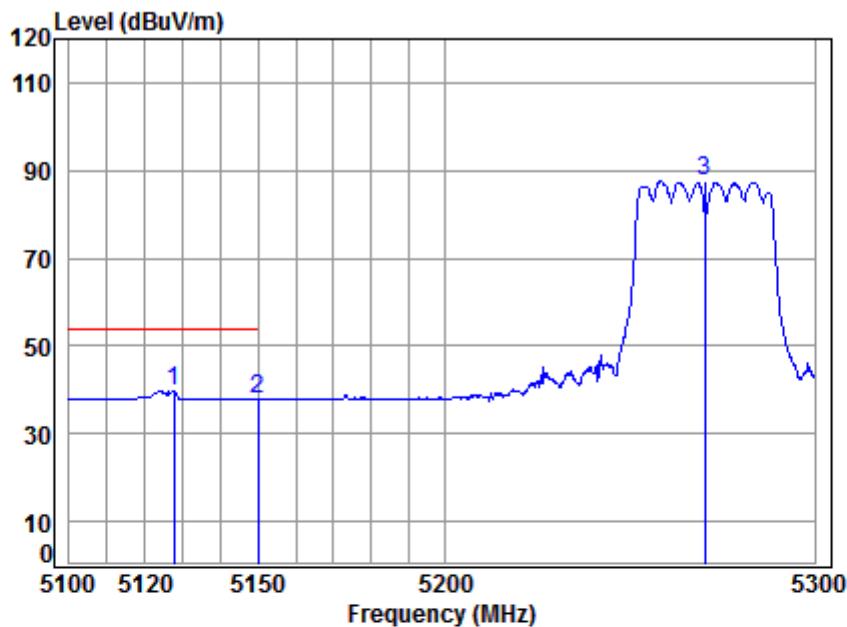
	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
Freq	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB

1	5125.764	8.29	34.30	43.67	41.05	39.97	54.00	-14.03	Average
2	5149.980	8.33	34.32	43.64	38.92	37.93	54.00	-16.07	Average
3	5270.000	8.51	34.42	43.52	88.77	88.18	-----	-----	Average

**4.9.1.115 11AC40\_54\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5270 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

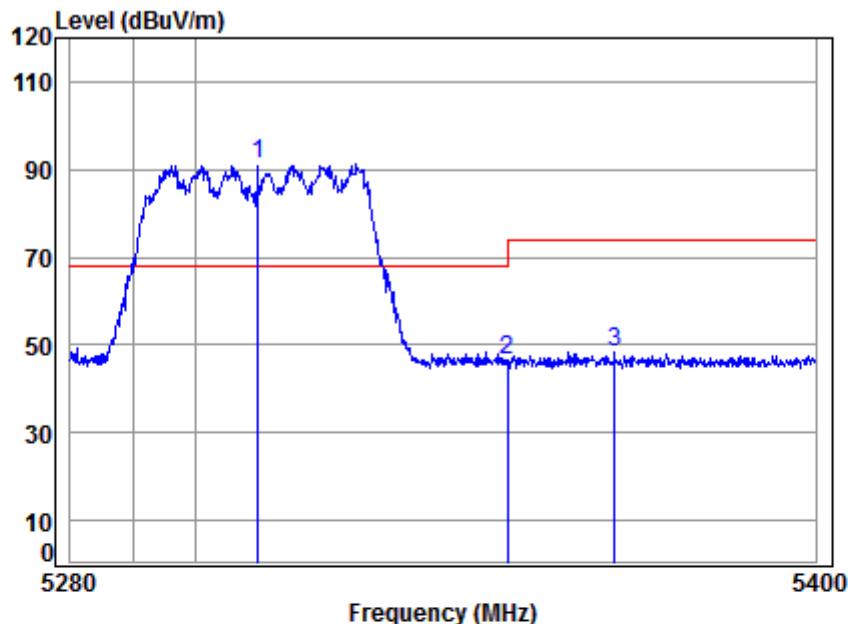
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5121.625	8.28	34.30	43.67	50.01	48.92	74.00	-25.08 peak
2	5149.980	8.33	34.32	43.64	47.44	46.45	74.00	-27.55 peak
3 *	5270.000	8.51	34.42	43.52	95.05	94.46	68.20	26.26 peak

**4.9.1.116 11AC40\_54\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5270 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

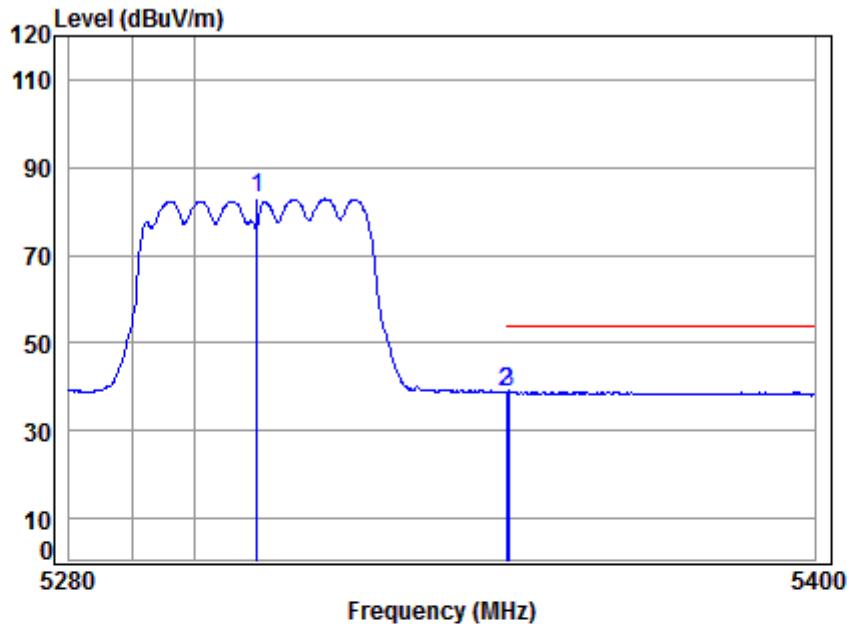
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5127.539	8.29	34.31	43.67	40.92	39.85	54.00	-14.15	Average
2	5149.980	8.33	34.32	43.64	38.89	37.90	54.00	-16.10	Average
3	5270.000	8.51	34.42	43.52	88.22	87.63	-----	-----	Average

**4.9.1.117 11AC40\_62\_Peak\_Virtual**

Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5310 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	8.57	34.45	43.48	91.66	91.20	68.20	23.00 Peak
2 5350.020	8.63	34.48	43.44	46.96	46.63	74.00	-27.37 Peak
3 5367.334	8.66	34.50	43.42	48.72	48.46	74.00	-25.54 Peak

**4.9.1.118 11AC40\_62\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

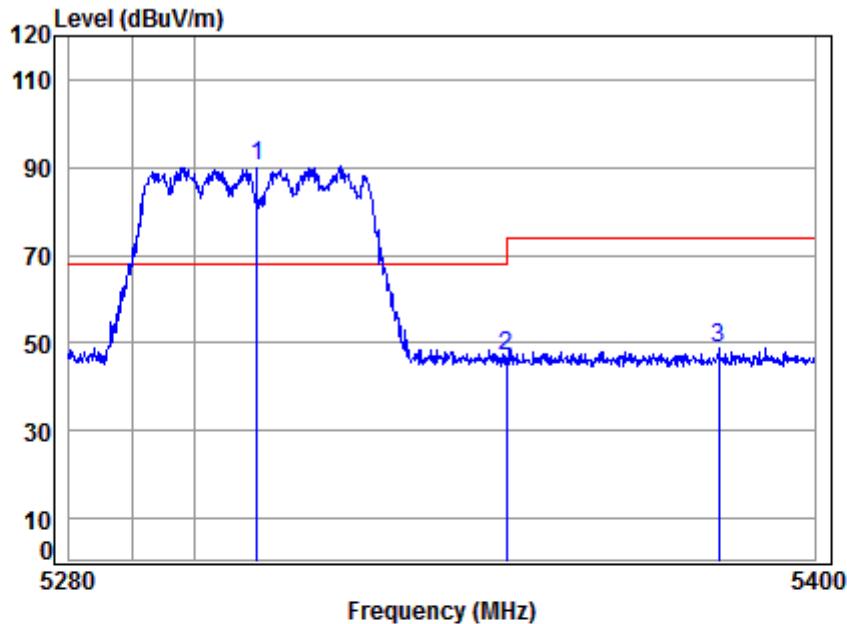
Mode : 5310 Band edge

NOTE : 5G WIFI 11AC40

: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

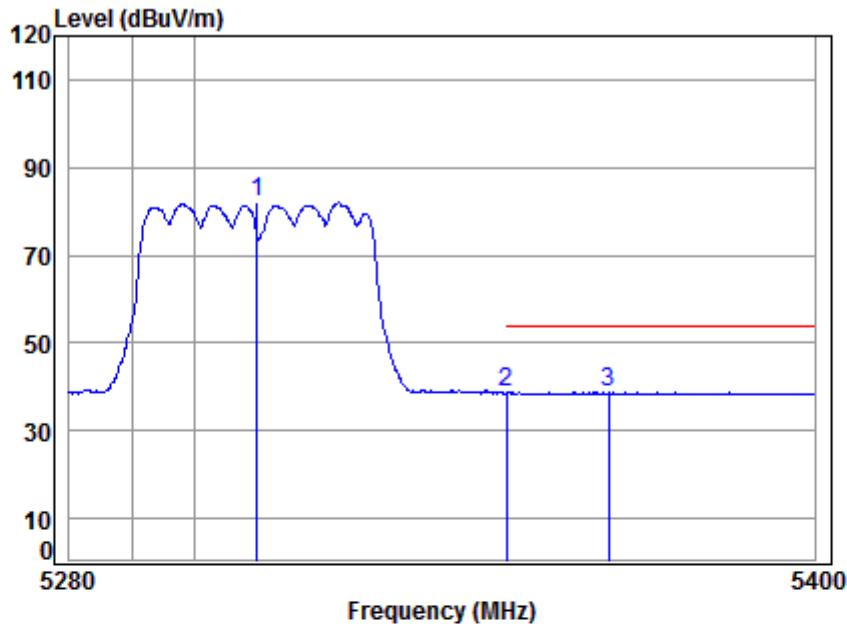
1	5310.000	8.57	34.45	43.48	83.32	82.86	-----	-----	Average
2	5350.020	8.63	34.48	43.44	39.19	38.86	54.00	-15.14	Average
3	5350.474	8.63	34.48	43.44	39.29	38.96	54.00	-15.04	Average

**4.9.1.119 11AC40\_62\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5310 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

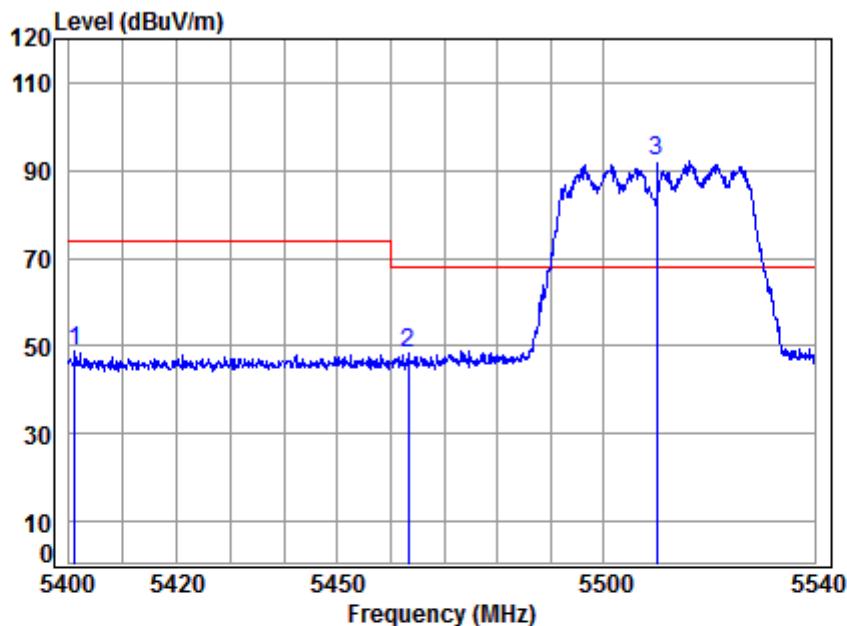
1 *	5310.000	8.57	34.45	43.48	90.67	90.21	68.20	22.01	peak
2	5350.020	8.63	34.48	43.44	47.17	46.84	74.00	-27.16	peak
3	5384.489	8.68	34.51	43.41	49.10	48.88	74.00	-25.12	peak

**4.9.1.120 11AC40\_62\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5310 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	8.57	34.45	43.48	82.42	81.96	-----	-----
2	5350.020	8.63	34.48	43.44	39.02	38.69	54.00	-15.31
3	5366.610	8.65	34.50	43.42	39.01	38.74	54.00	-15.26

**4.9.1.121 11AC40\_102 \_Peak\_ Vertical**

Site : chamber

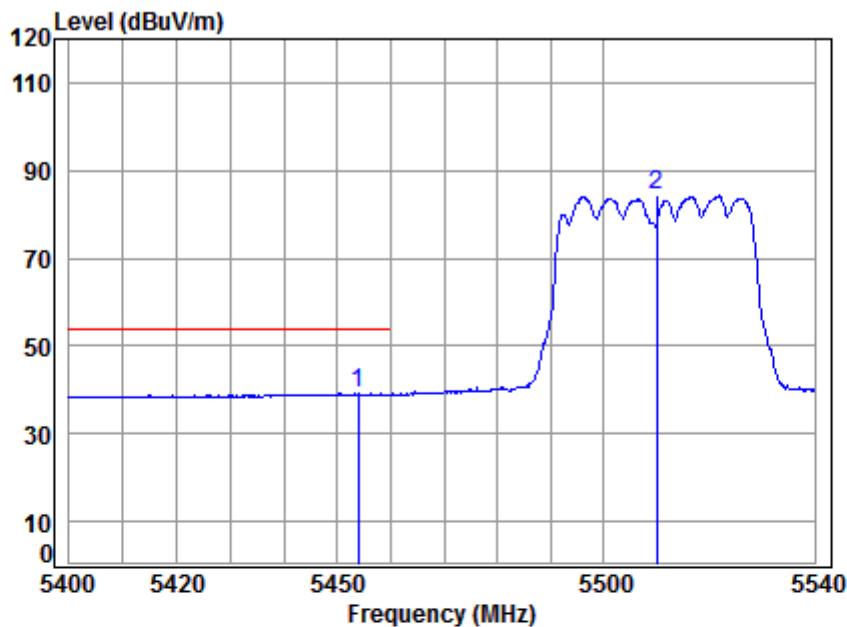
Condition: 3m VERTICAL

Job No : C0005

Mode : 5510 Band edge

NOTE : 5G WIFI 11AC40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5401.106	8.71	34.52	43.39	49.01	48.85	74.00	-25.15 Peak
2	5463.256	8.80	34.57	43.33	48.53	48.57	68.20	-19.63 peak
3 *	5510.000	8.89	34.61	43.28	91.80	92.02	68.20	23.82 Peak

**4.9.1.122 11AC40\_102\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

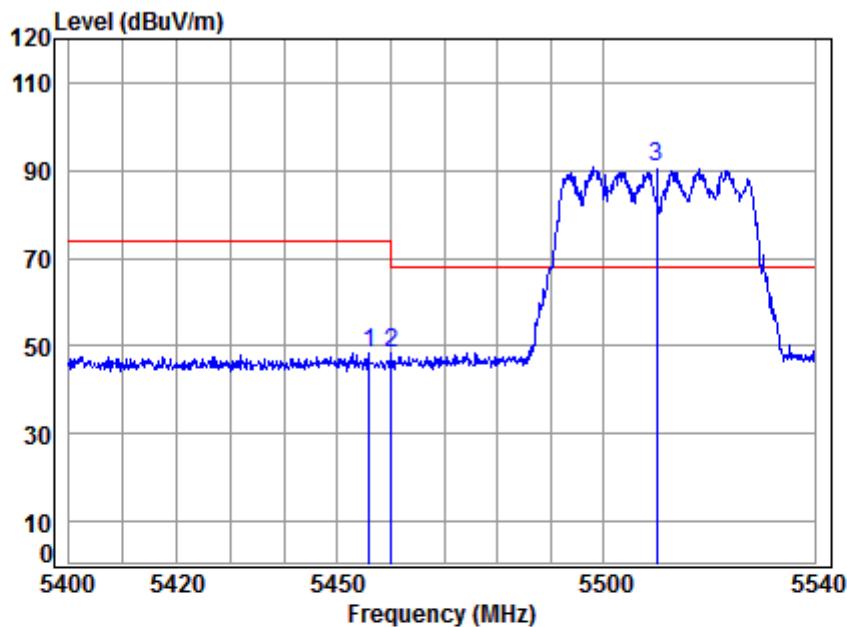
Mode : 5510 Band edge

NOTE : 5G WIFI 11AC40

: MIMO

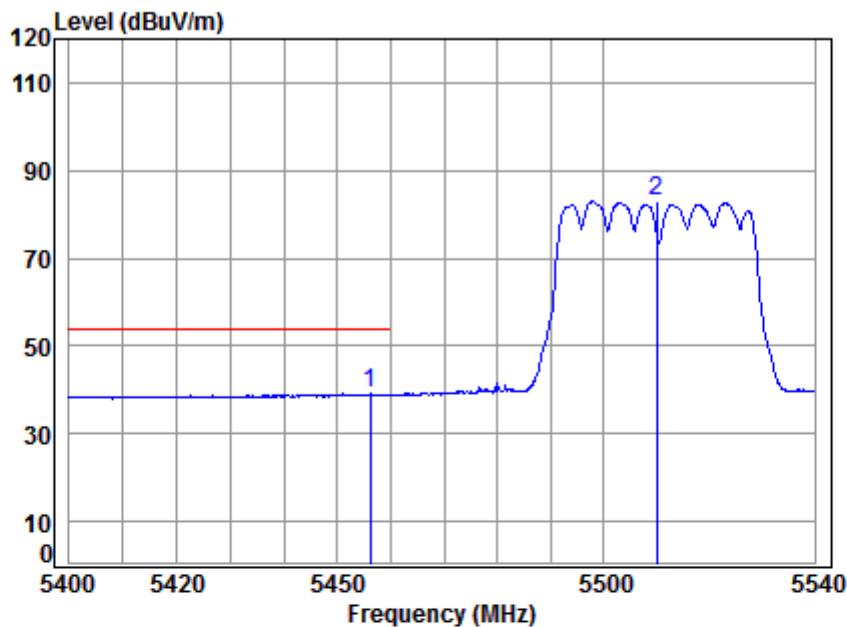
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

1	5453.895	8.78	34.56	43.34	39.32	39.32	54.00	-14.68	Average
2	5510.000	8.89	34.61	43.28	83.98	84.20	-----	-----	Average

**4.9.1.123 11AC40\_102 \_Peak\_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5510 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5455.850	8.79	34.57	43.34	48.34	48.36	74.00	-25.64 peak
2	5460.041	8.79	34.57	43.33	48.32	48.35	68.20	-19.85 peak
3 *	5510.000	8.89	34.61	43.28	90.44	90.66	68.20	22.46 peak

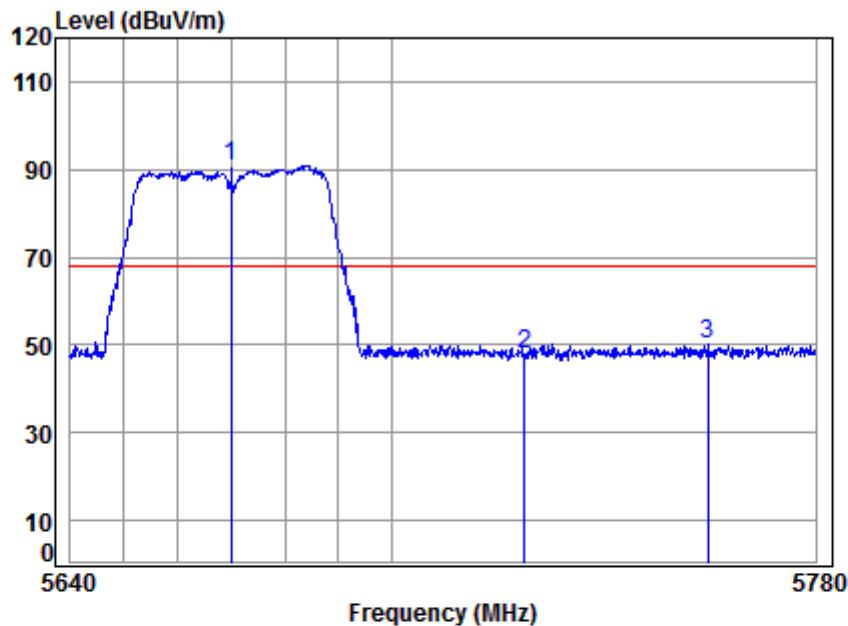
**4.9.1.124 11AC40\_102\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5510 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5456.129	8.79	34.57	43.34	39.13	39.15	54.00	-14.85
2	5510.000	8.89	34.61	43.28	82.76	82.98	-----	-----

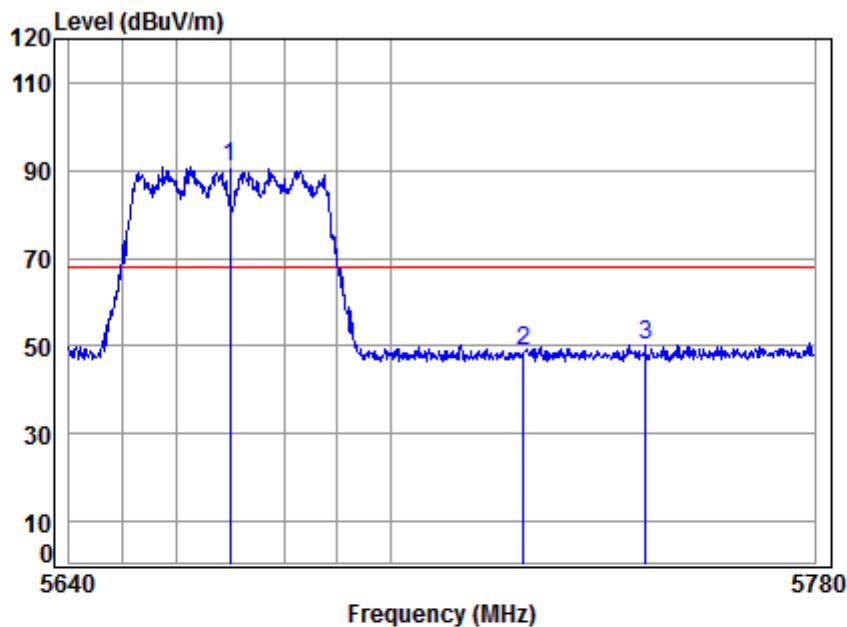
Average

Average

**4.9.1.125 11AC40\_134\_Peak\_Vertical**

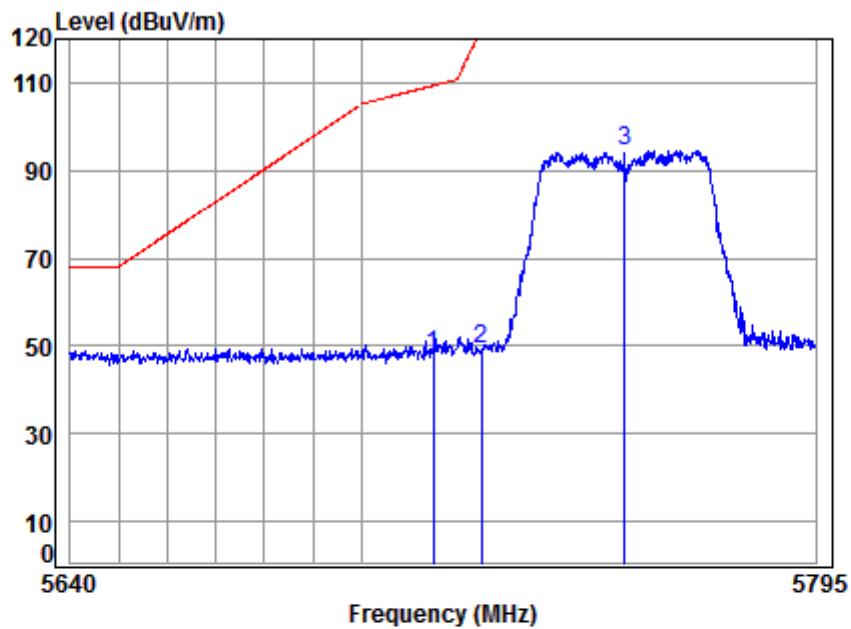
Site : chamber  
Condition: 3m VERTICAL  
Job No : C0005  
Mode : 5670 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB
1 *	5670.000	9.45	34.77	43.13	89.84	90.93	68.20 22.73 Peak
2	5725.000	9.64	34.83	43.08	46.51	47.90	68.20 -20.30 Peak
3	5759.628	9.76	34.87	43.05	48.61	50.19	68.20 -18.01 Peak

**4.9.1.126 11AC40\_134 \_Peak\_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5670 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	9.45	34.77	43.13	89.83	90.92	68.20	22.72 peak
2 5725.000	9.64	34.83	43.08	47.62	49.01	68.20	-19.19 peak
3 5747.918	9.72	34.85	43.06	48.75	50.26	68.20	-17.94 peak

**4.9.1.127 11AC40\_151 \_Peak\_Ver**

Site : chamber

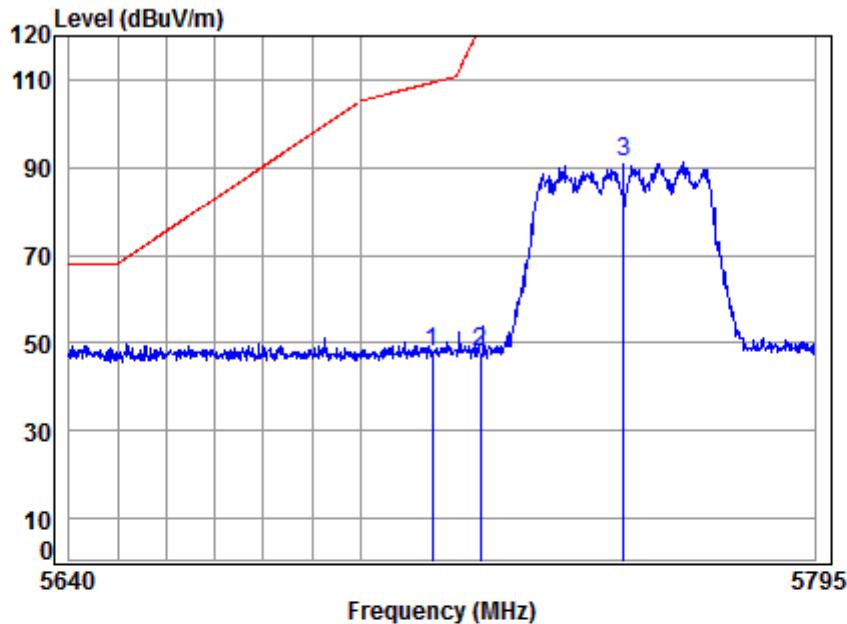
Condition: 3m VERTICAL

Job No : C0005

Mode : 5755 Band edge

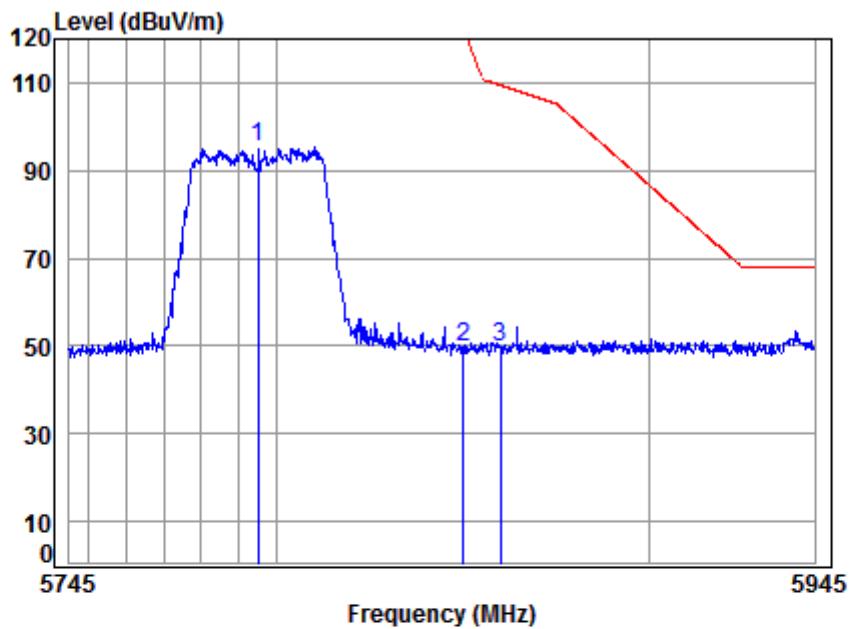
NOTE : 5G WIFI 11AC40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.82	43.09	46.48	47.82	109.40	-61.58	peak
2	5725.000	9.64	34.83	43.08	48.05	49.44	122.20	-72.76	peak
3	5755.000	9.75	34.86	43.05	93.04	94.60	125.20	-30.60	peak

**4.9.1.128 11AC40\_151 \_Peak\_ Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5755 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
1	5715.000	9.61	34.82	43.09	46.37	47.71	109.40
2	5725.000	9.64	34.83	43.08	46.56	47.95	122.20
3	5755.000	9.75	34.86	43.05	89.53	91.09	125.20
							-61.69
							-74.25
							-34.11
							peak
							peak
							peak

**4.9.1.129 11AC40\_159\_Peak\_Vertical**

Site : chamber

Condition: 3m VERTICAL

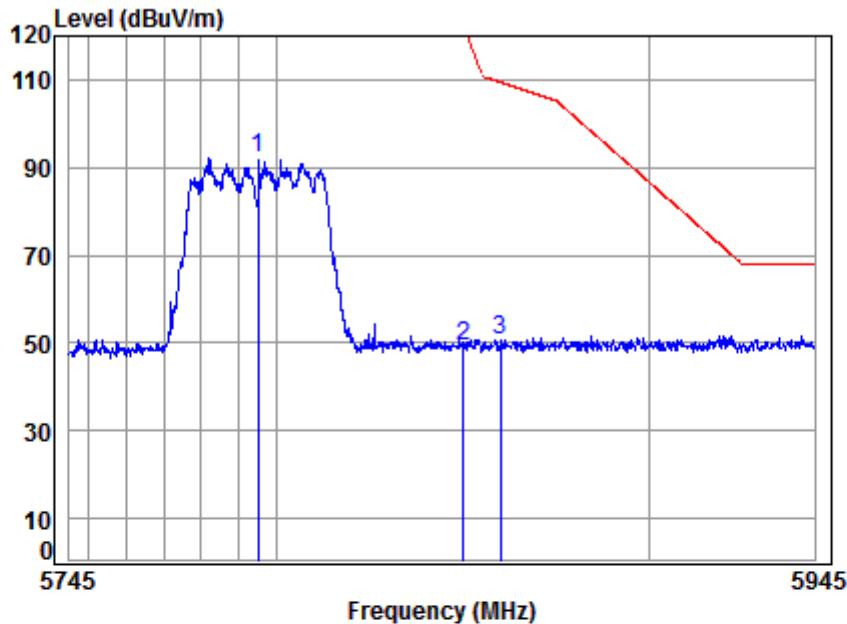
Job No : C0005

Mode : 5795 Band edge

NOTE : 5G WIFI 11AC40

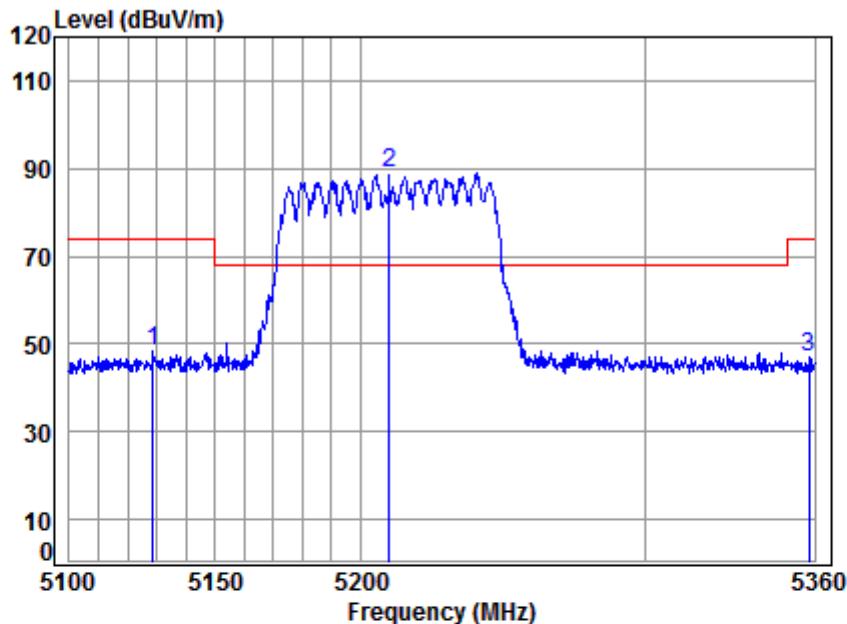
: MIMO

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.000	9.88	34.90	43.02	93.70	95.46	125.20	-29.74 peak
2	5850.000	10.07	34.95	42.96	47.52	49.58	122.20	-72.62 peak
3	5860.000	10.10	34.96	42.96	47.42	49.52	109.40	-59.88 peak

**4.9.1.130 11AC40\_159\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5795 Band edge  
NOTE : 5G WIFI 11AC40  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
1	5795.000	9.88	34.90	43.02	90.40	92.16	125.20
2	5850.000	10.07	34.95	42.96	47.03	49.09	122.20
3	5860.000	10.10	34.96	42.96	48.57	50.67	109.40
							-33.04 peak
							-73.11 peak
							-58.73 peak

**4.9.1.131 11AC80\_42\_Peak\_Virtual**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

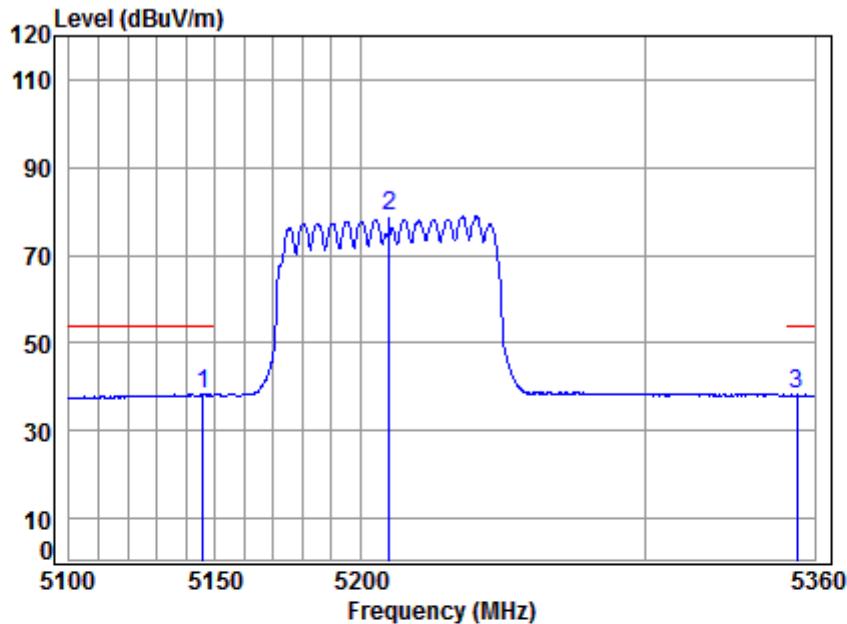
Mode : 5210 Band edge

NOTE : 5G WIFI 11AC80

: MIMO

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
--	------------	----------	---------------	------------	-------------	-----------	------------	--------

1	5128.736	8.29	34.31	43.66	49.39	48.33	74.00	-25.67 peak
2 *	5210.000	8.42	34.37	43.58	89.59	88.80	68.20	20.60 peak
3	5357.868	8.64	34.49	43.43	47.23	46.93	74.00	-27.07 peak

**4.9.1.132 11AC80\_42\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

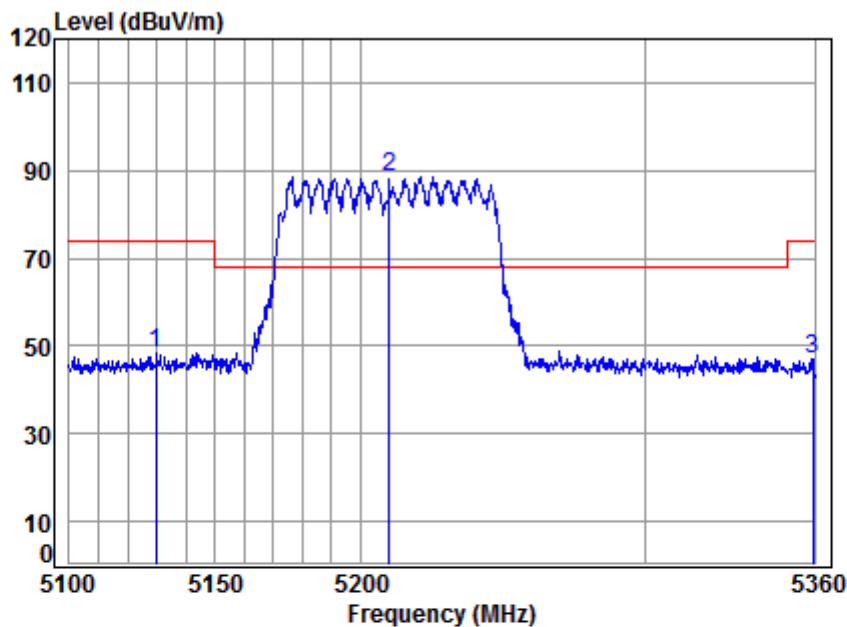
Mode : 5210 Band edge

NOTE : 5G WIFI 11AC80

: MIMO

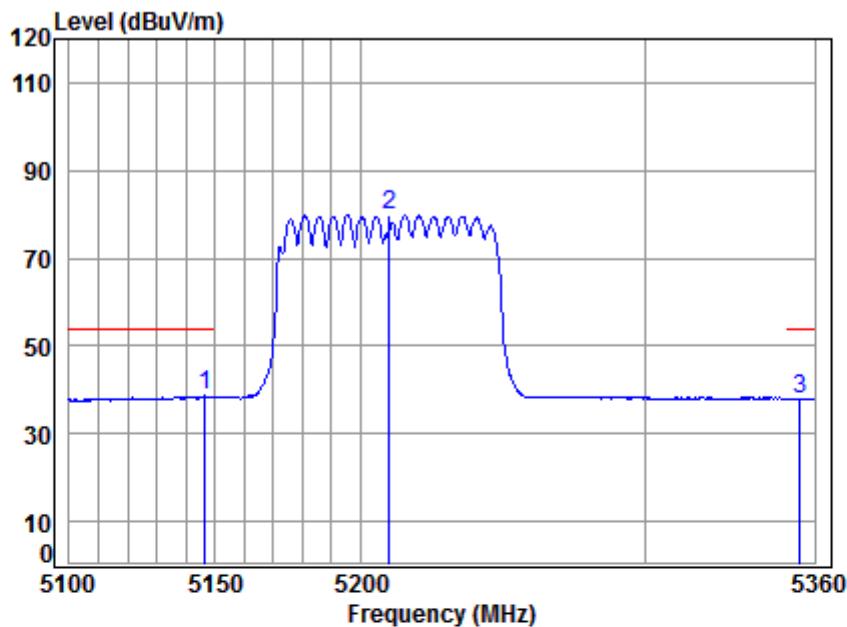
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5145.595	8.32	34.32	43.65	39.30	38.29	54.00	-15.71	Average
2	5210.000	8.42	34.37	43.58	79.61	78.82	-----	-----	Average
3	5353.607	8.63	34.49	43.44	38.48	38.16	54.00	-15.84	Average

**4.9.1.133 11AC80\_42\_Peak\_Horizontal**

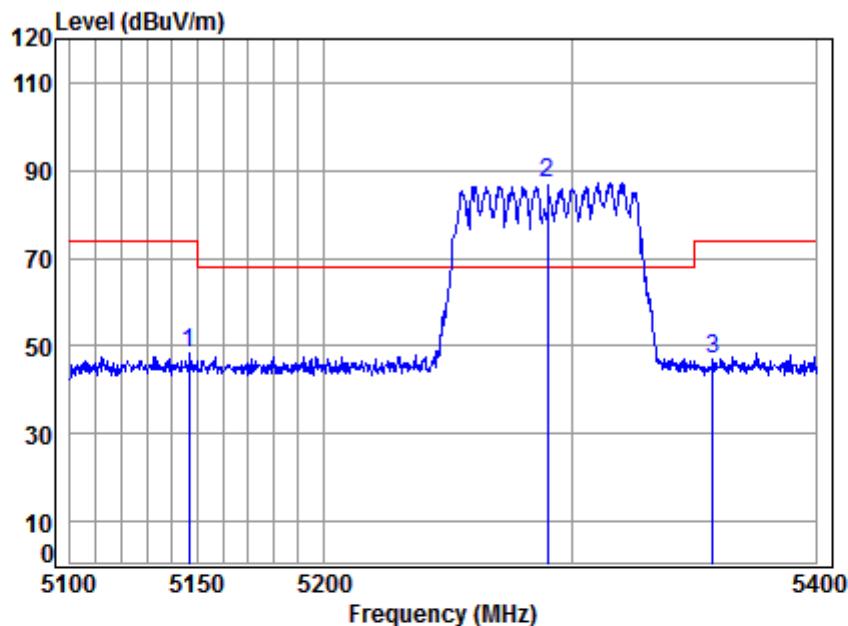
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5210 Band edge  
NOTE : 5G WIFI 11AC80  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5129.756	8.29	34.31	43.66	49.47	48.41	74.00	-25.59 peak
2 *	5210.000	8.42	34.37	43.58	89.53	88.74	68.20	20.54 peak
3	5359.467	8.64	34.49	43.43	47.50	47.20	74.00	-26.80 peak

**4.9.1.134 11AC80\_42\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5210 Band edge  
NOTE : 5G WIFI 11AC80  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.363	8.32	34.32	43.65	39.59	38.58	54.00	-15.42
2	5210.000	8.42	34.37	43.58	80.61	79.82	-----	-----
3	5354.938	8.64	34.49	43.44	38.41	38.10	54.00	-15.90

**4.9.1.135 11AC80\_58\_Peak\_Virtual**

Site : chamber

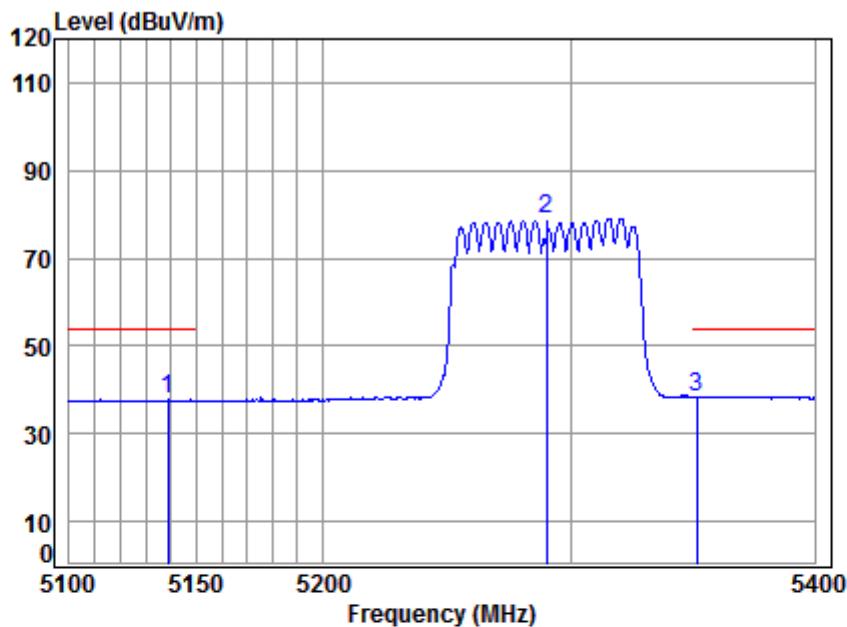
Condition: 3m VERTICAL

Job No : C0005

Mode : 5290 Band edge

NOTE : 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5146.855	8.32	34.32	43.65	49.26	48.25	74.00	-25.75	peak
2 *	5290.000	8.54	34.44	43.50	87.52	87.00	68.20	18.80	peak
3	5357.573	8.64	34.49	43.43	47.32	47.02	74.00	-26.98	peak

**4.9.1.136 11AC80\_58\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

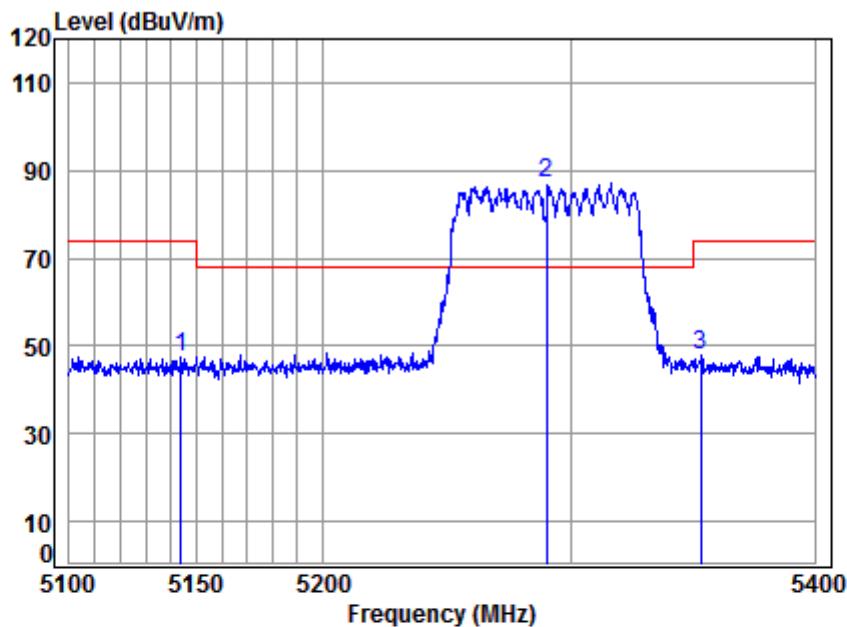
Mode : 5290 Band edge

NOTE : 5G WIFI 11AC80

: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

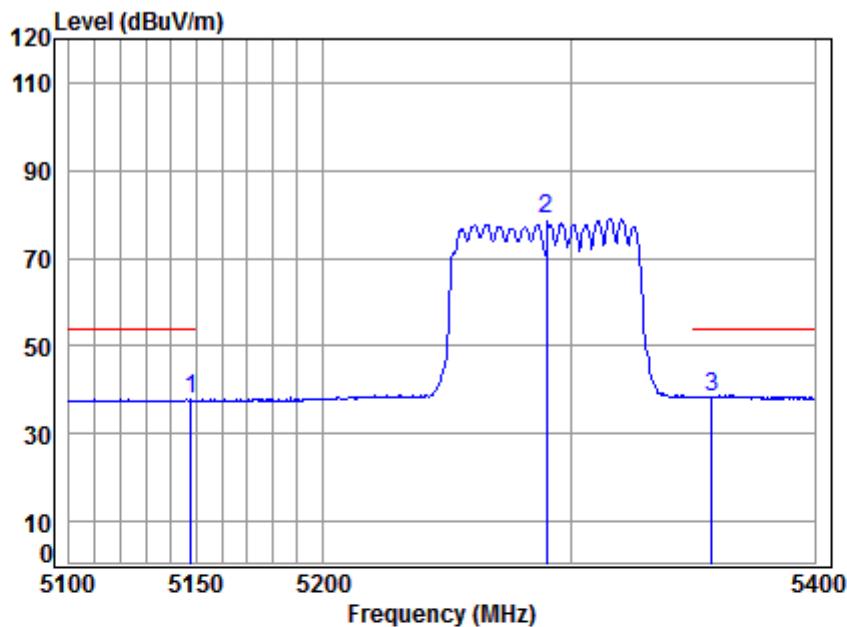
1	5138.918	8.31	34.32	43.65	38.74	37.72	54.00	-16.28	Average
2	5290.000	8.54	34.44	43.50	79.68	79.16	-----	-----	Average
3	5351.452	8.63	34.49	43.44	38.81	38.49	54.00	-15.51	Average

**4.9.1.137 11AC80\_58\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5290 Band edge  
NOTE : 5G WIFI 11AC80  
: MIMO

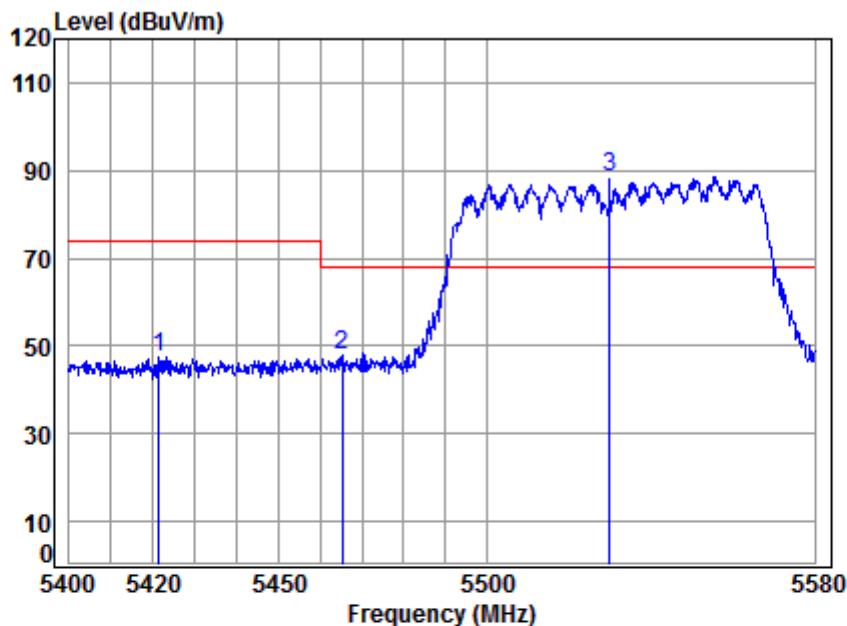
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

1	5143.914	8.32	34.32	43.65	48.44	47.43	74.00	-26.57	peak
2 *	5290.000	8.54	34.44	43.50	87.84	87.32	68.20	19.12	peak
3	5353.288	8.63	34.49	43.44	48.06	47.74	74.00	-26.26	peak

**4.9.1.138 11AC80\_58\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5290 Band edge  
NOTE : 5G WIFI 11AC80  
: MIMO

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.032	8.32	34.32	43.64	38.69	37.69	54.00	-16.31 Average
2	5290.000	8.54	34.44	43.50	79.55	79.03	-----	----- Average
3	5357.573	8.64	34.49	43.43	38.83	38.53	54.00	-15.47 Average

**4.9.1.139 11AC80\_106\_Peak\_Vertical**

Site : chamber

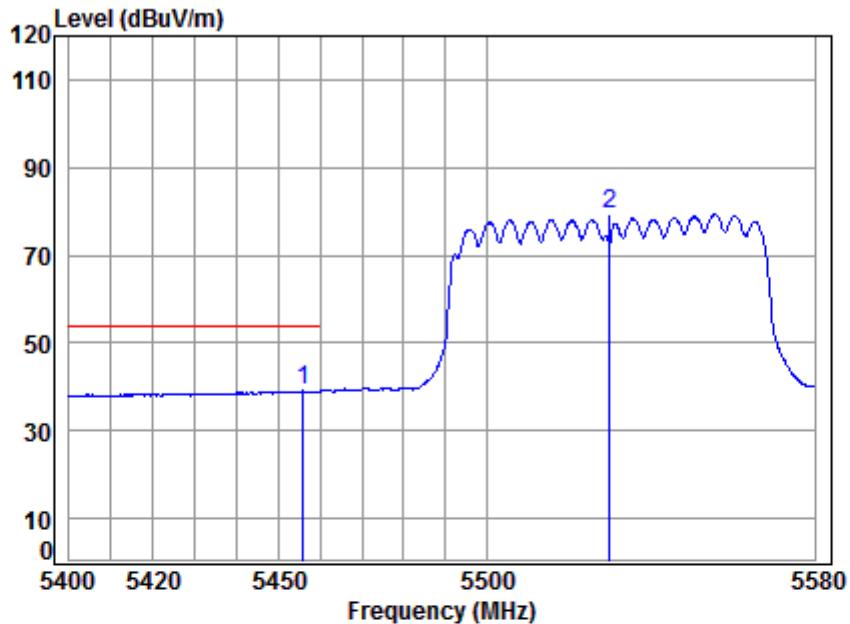
Condition: 3m VERTICAL

Job No : C0005

Mode : 5530 Band edge

NOTE : 5G WIFI 11AC80

	Cable Freq	Loss dB	Ant Factor	Preamp Factor	Read Level dB	Level dBuV	Level dBuV/m	Limit dBuV/m	Over Line dB	Over Limit dB	Remark
1	5421.467	8.74	34.54	43.37	47.66	47.57	74.00	-26.43	peak		
2	5465.196	8.80	34.57	43.33	47.76	47.80	68.20	-20.40	peak		
3 *	5530.000	8.96	34.63	43.26	88.34	88.67	68.20	20.47	peak		

**4.9.1.140 11AC80\_106\_Average\_Vertical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

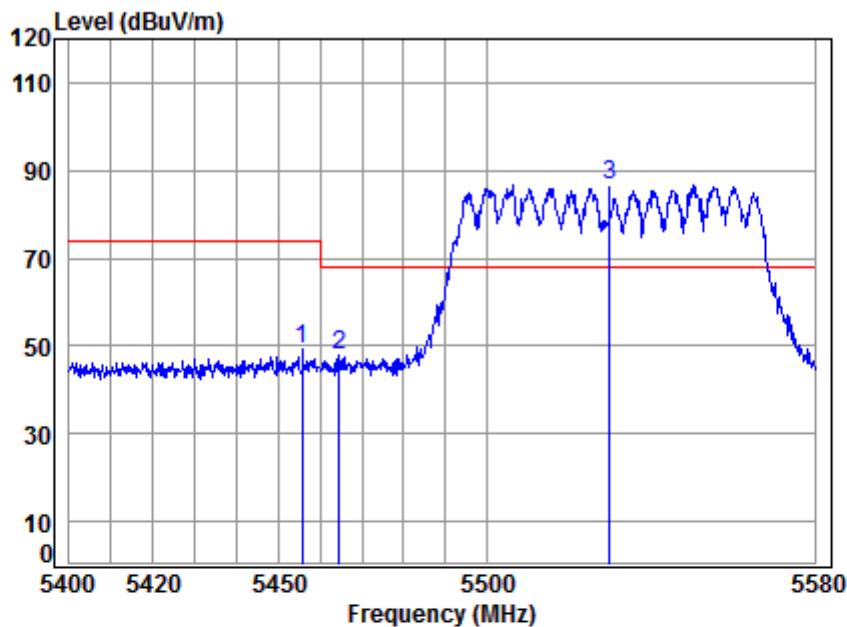
Mode : 5530 Band edge

NOTE : 5G WIFI 11AC80

: MIMO

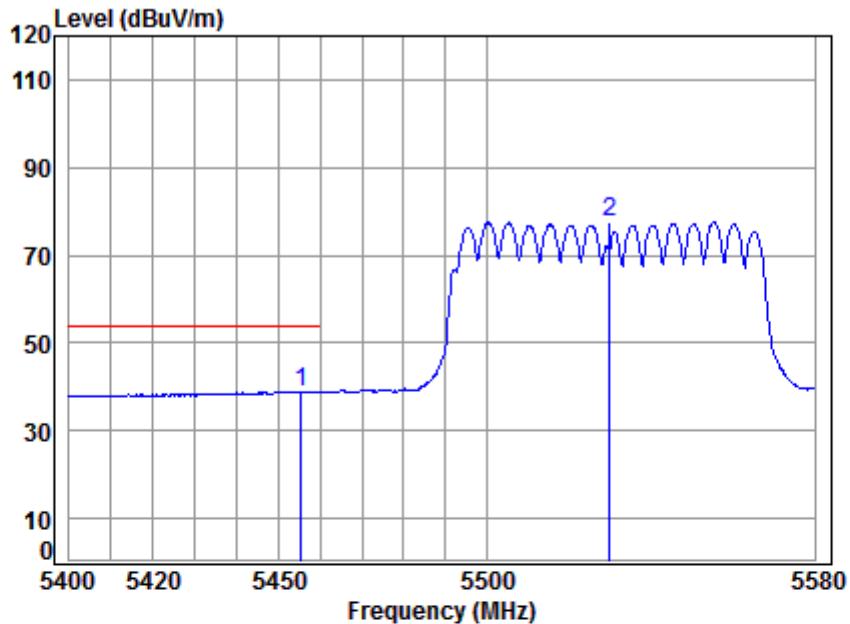
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

1	5455.886	8.79	34.57	43.34	39.01	39.03	54.00	-14.97	Average
2	5530.000	8.96	34.63	43.26	78.93	79.26	-----	-----	Average

**4.9.1.141 11AC80\_106\_Peak\_Horizontal**

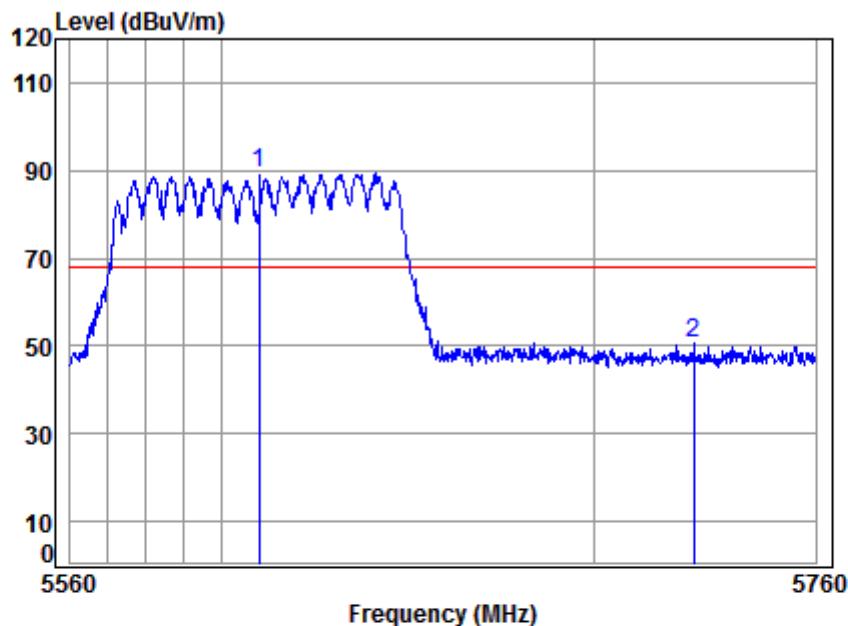
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5530 Band edge  
NOTE : 5G WIFI 11AC80  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5455.707	8.79	34.57	43.34	49.24	49.26	74.00	-24.74 peak
2	5464.479	8.80	34.57	43.33	47.70	47.74	68.20	-20.46 peak
3 *	5530.000	8.96	34.63	43.26	86.46	86.79	68.20	18.59 peak

**4.9.1.142 11AC80\_106\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5530 Band edge  
NOTE : 5G WIFI 11AC80  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
1	5455.349	8.79	34.57	43.34	38.92	38.94	54.00
2	5530.000	8.96	34.63	43.26	77.22	77.55	-----
							Average

**4.9.1.143 11AC80\_122\_Peak\_Vertical**

Site : chamber

Condition: 3m VERTICAL

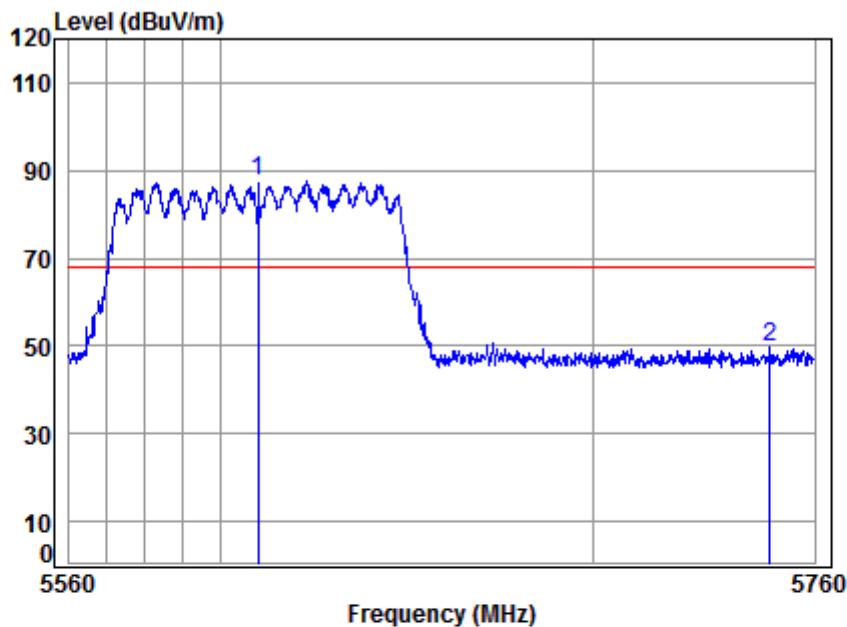
Job No : C0005

Mode : 5610 Band edge

NOTE : 5G WIFI 11AC80

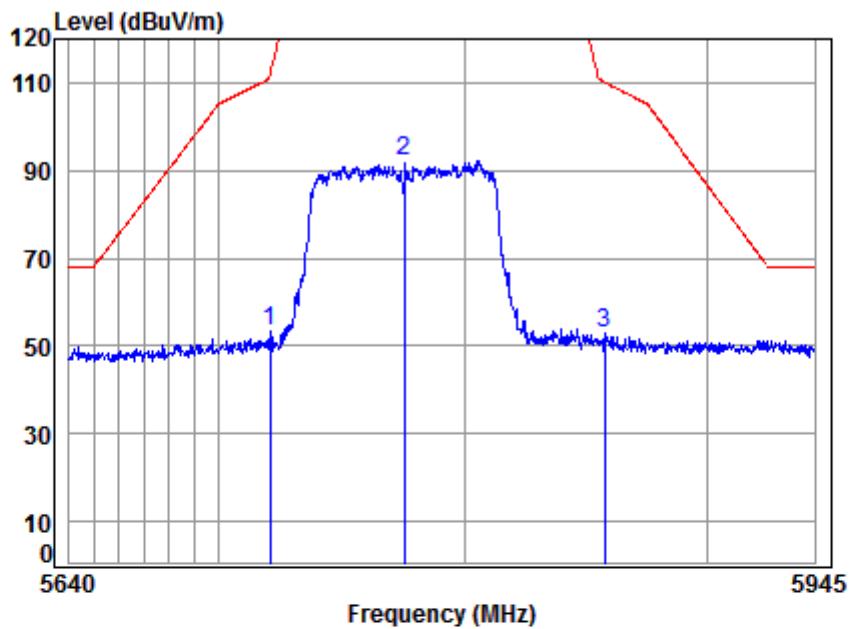
: MIMO

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	5610.000	9.24	34.71	43.19	88.69	89.45	68.20	21.25	peak
2	5726.713	9.65	34.83	43.08	49.44	50.84	68.20	-17.36	peak

**4.9.1.144 11AC80\_122\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5610 Band edge  
NOTE : 5G WIFI 11AC80  
: MIMO

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 *	5610.000	9.24	34.71	43.19	86.79	87.55	68.20	19.35 peak
2	5747.800	9.72	34.85	43.06	48.24	49.75	68.20	-18.45 peak

**4.9.1.145 11AC80\_155\_Peak\_Vertical**

Site : chamber

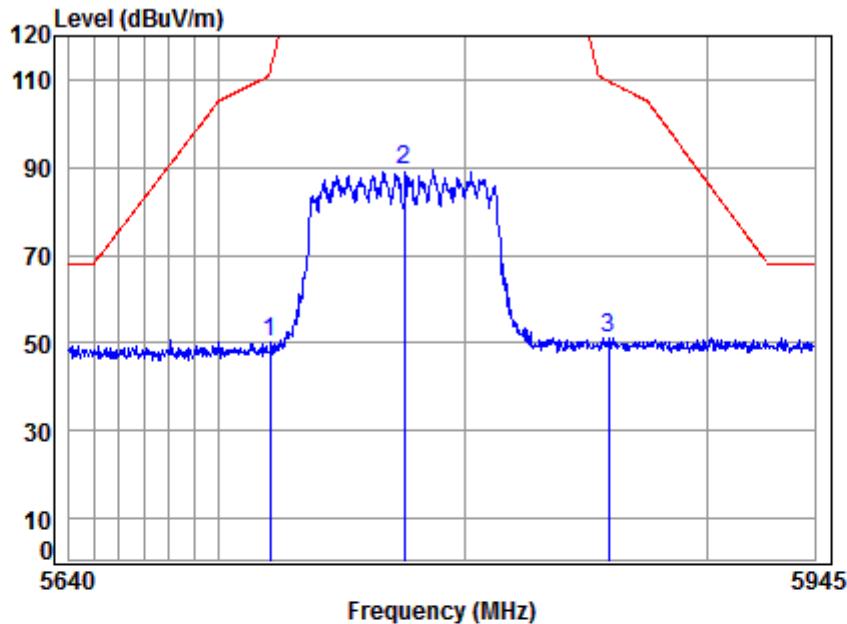
Condition: 3m VERTICAL

Job No : C0005

Mode : 5775 Band edge

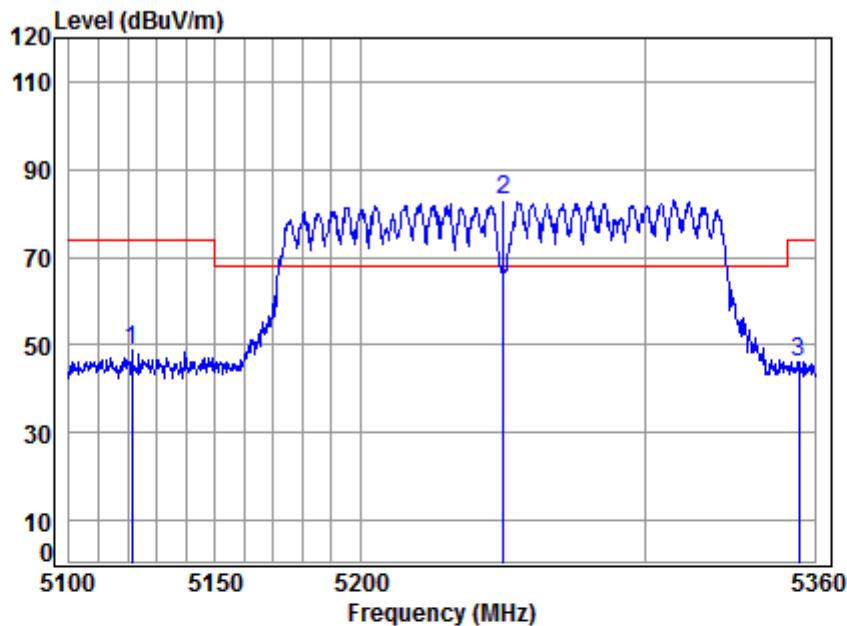
NOTE : 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5720.773	9.63	34.83	43.08	51.99	53.37	112.56	-59.19	peak
2	5775.000	9.81	34.88	43.03	90.48	92.14	125.20	-33.06	peak
3	5857.666	10.10	34.96	42.96	50.92	53.02	110.05	-57.03	peak

**4.9.1.146 11AC80\_155\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5775 Band edge  
NOTE : 5G WIFI 11AC80  
: MIMO

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5720.773	9.63	34.83	43.08	48.75	50.13	112.56	-62.43 peak
2	5775.000	9.81	34.88	43.03	87.57	89.23	125.20	-35.97 peak
3	5859.209	10.10	34.96	42.96	49.14	51.24	109.62	-58.38 peak

**4.9.1.147 11AC160\_50\_Peak\_Vertical**

Site : chamber

Condition: 3m VERTICAL

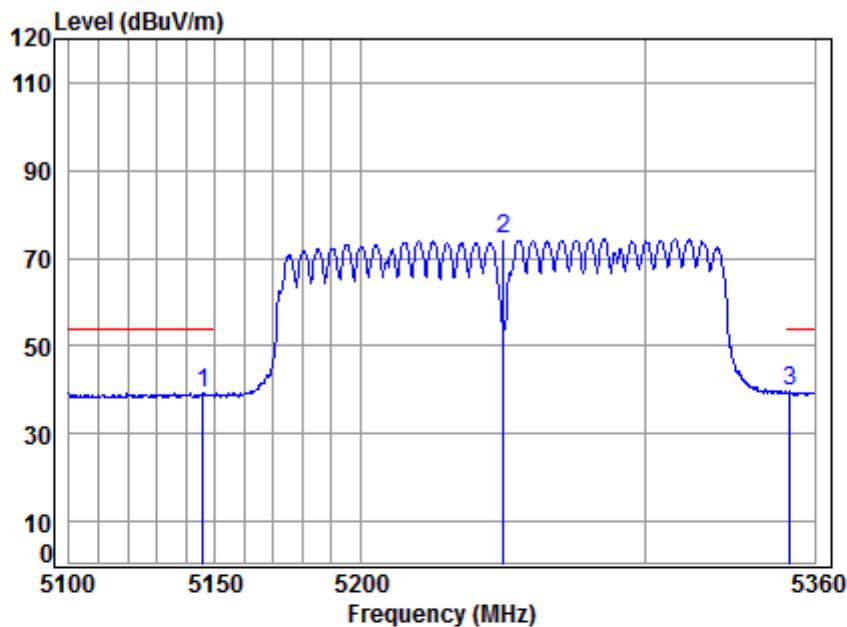
Job No : C0005

Mode : 5250 Band edge

NOTE : 5G WIFI 11AC160

: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB
1	5121.346	8.28	34.30	43.67	49.84	48.75	74.00 -25.25 peak
2 *	5250.000	8.48	34.40	43.54	83.69	83.03	68.20 14.83 peak
3	5354.406	8.64	34.49	43.44	46.53	46.22	74.00 -27.78 peak

**4.9.1.148 11AC160\_50\_Average\_Verical**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

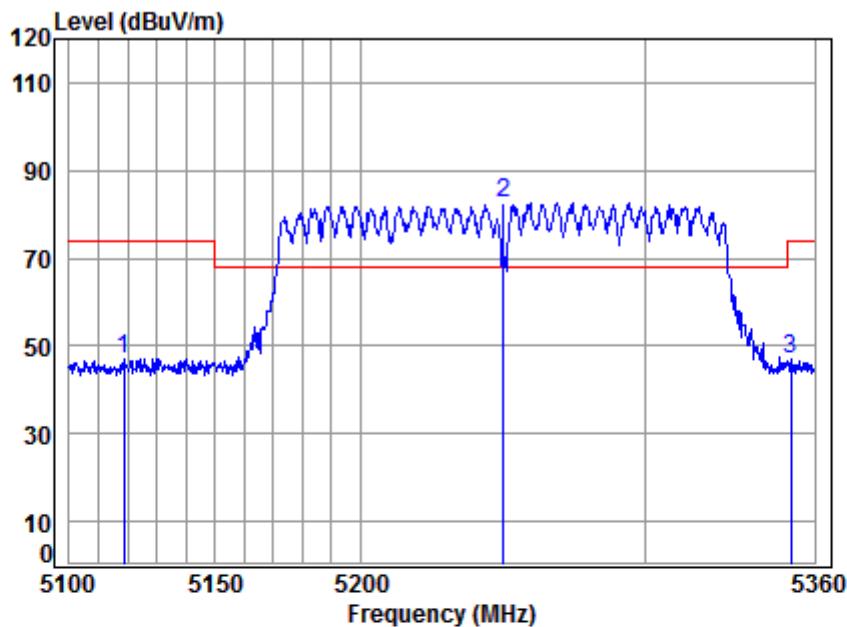
Mode : 5250 Band edge

NOTE : 5G WIFI 11AC160

: MIMO

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5145.595	8.32	34.32	43.65	40.18	39.17	54.00	-14.83	Average
2	5250.000	8.48	34.40	43.54	75.01	74.35	-----	-----	Average
3	5351.212	8.63	34.48	43.44	39.82	39.49	54.00	-14.51	Average

**4.9.1.149 11AC160\_50\_Peak\_Horizontal**

Site : chamber

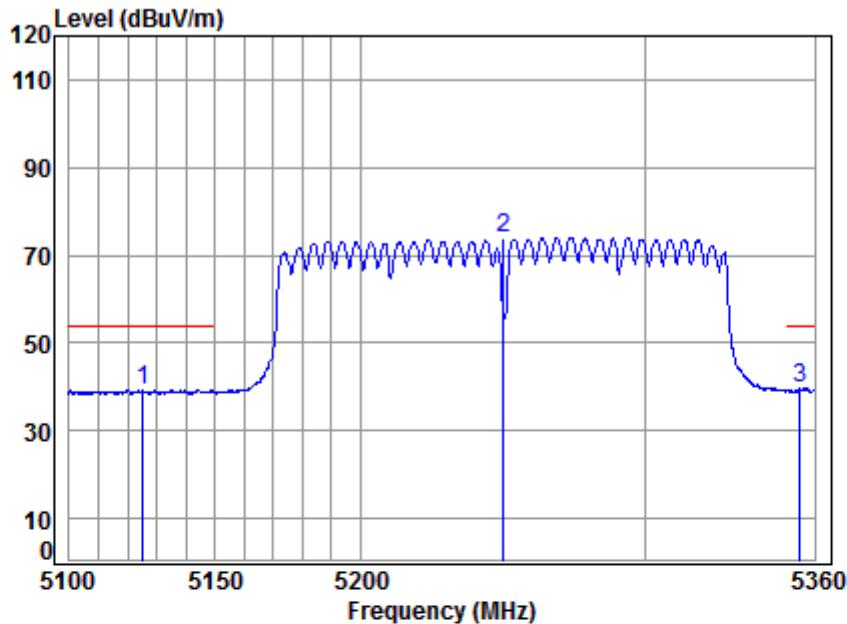
Condition: 3m HORIZONTAL

Job No : C0005

Mode : 5250 Band edge

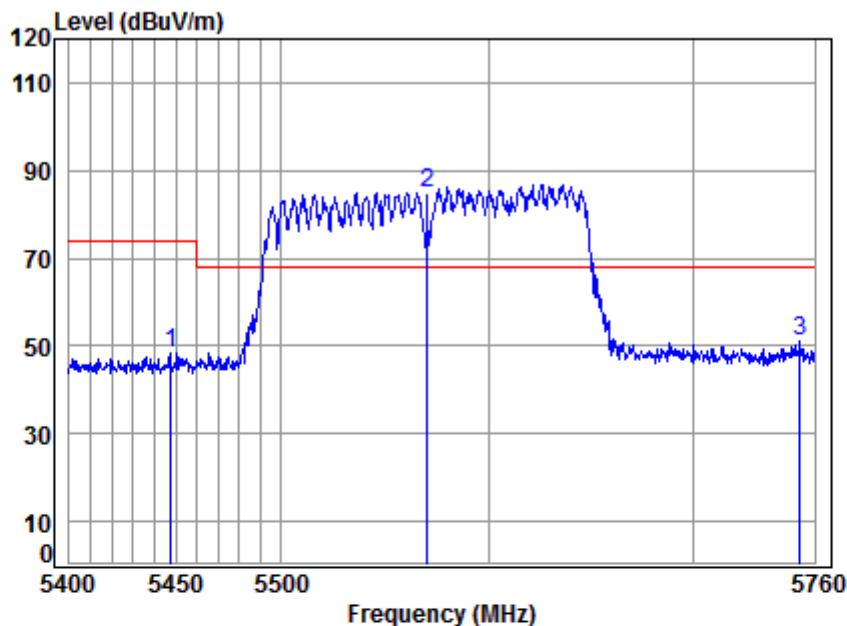
NOTE : 5G WIFI 11AC160

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5118.800	8.28	34.30	43.68	48.28	47.18	74.00	-26.82 peak
2 *	5250.000	8.48	34.40	43.54	83.36	82.70	68.20	14.50 peak
3	5351.478	8.63	34.49	43.44	47.43	47.11	74.00	-26.89 peak

**4.9.1.150 11AC160\_50\_Average\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5250 Band edge  
NOTE : 5G WIFI 11AC160  
: MIMO

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5125.167	8.29	34.30	43.67	40.38	39.30	54.00	-14.70 Average
2 5250.000	8.48	34.40	43.54	74.67	74.01	-----	----- Average
3 5354.672	8.64	34.49	43.44	39.91	39.60	54.00	-14.40 Average

**4.9.1.151 11AC160\_114\_Peak\_Virtual**

Site : chamber

Condition: 3m VERTICAL

Job No : C0005

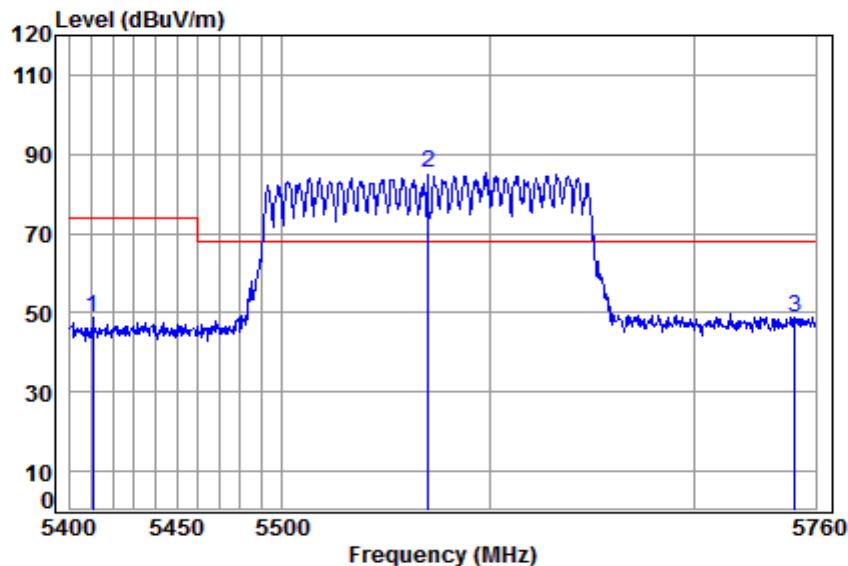
Mode : 5570 Band edge

NOTE : 5G WIFI 11AC160

: MIMO

	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
Freq	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB

1	5447.605	8.77	34.56	43.34	48.23	48.22	74.00	-25.78 peak
2 *	5570.000	9.10	34.67	43.23	84.33	84.87	68.20	16.67 peak
3	5752.941	9.74	34.86	43.05	49.40	50.95	68.20	-17.25 peak

**4.9.1.152 11AC160\_114\_Peak\_Horizontal**

Site : chamber  
Condition: 3m HORIZONTAL  
Job No : C0005  
Mode : 5570 Band edge  
NOTE : 5G WIFI 11AC160  
: MIMO

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5410.814	8.72	34.53	43.38	49.07	48.94	74.00	-25.06	peak
2 *	5570.000	9.10	34.67	43.23	84.88	85.42	68.20	17.22	peak
3	5749.601	9.73	34.86	43.06	47.37	48.90	68.20	-19.30	peak

**Note:**

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

All modes have been tested, but only the worst case data displayed in this report.

CH50(5250MHz) of the full band (160MHz) both meet the requirements for 5150MHz-5250MHz and 5250MHz-5350MHz.



## **4.10 Frequencies Stability**

### **4.10.1 Frequency Error vs. Voltage:**

<b>Test Conditions</b>	<b>Measured Frequency ( MHz )</b>	
	<b>5180</b>	<b>5825</b>
V nom(V)	5180.007007	5825.009635
V max(V)	5180.013697	5825.019117
V min(V)	5180.015646	5825.023955
Max. Deviation Frequency	0.015646	0.023955
Max. Frequency Error (ppm)	3.020432	4.112367

### **4.10.2 Frequency Error vs. Temperature:**

<b>Test Conditions(°C)</b>	<b>Measured Frequency ( MHz )</b>	
	<b>5180</b>	<b>5825</b>
-5	5180.004412	5825.006343
5	5180.005576	5825.014197
15	5180.010069	5825.016585
25	5180.015594	5825.026228
35	5180.025492	5825.029332
45	5180.027692	5825.029684
50	5180.029242	5825.037329
Max. Deviation Frequency	0.029242	0.037329
Max. Frequency Error (ppm)	5.645099	6.408328

## 4.11 Dynamic Frequency Selection

### 4.11.1 DFS Overview

**Table 1: Applicability of DFS Requirements Prior to Use of a Channel**

<b>Requirement</b>	<b>Operational Mode</b>		
	<b>Master</b>	<b>Client Without Radar Detection</b>	<b>Client With Radar Detection</b>
<i>Non-Occupancy Period</i>	Yes	Not required	Yes
<i>DFS Detection Threshold</i>	Yes	Not required	Yes
<i>Channel Availability Check Time</i>	Yes	Not required	Not required
<i>U-NII Detection Bandwidth</i>	Yes	Not required	Yes

**Table 2: Applicability of DFS requirements during normal operation**

<b>Requirement</b>	<b>Operational Mode</b>	
	<b>Master Device or Client with Radar Detection</b>	<b>Client Without Radar Detection</b>
<i>DFS Detection Threshold</i>	Yes	Not required
<i>Channel Closing Transmission Time</i>	Yes	Yes
<i>Channel Move Time</i>	Yes	Yes
<i>U-NII Detection Bandwidth</i>	Yes	Not required
<b>Additional requirements for devices with multiple bandwidth modes</b>	<b>Master Device or Client with Radar Detection</b>	<b>Client Without Radar Detection</b>
<i>U-NII Detection Bandwidth and Statistical Performance Check</i>	All BW modes must be tested	Not required
<i>Channel Move Time and Channel Closing Transmission Time</i>	Test using widest BW mode available	Test using the widest BW mode available for the link
<i>All other tests</i>	Any single BW mode	Not required

**Note:** Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

#### 4.11.2 DFS Detection Thresholds

**Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection**

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP $<$ 200 milliwatt and power spectral density $<$ 10 dBm/MHz	-62 dBm
EIRP $<$ 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

**Note 1:** This is the level at the input of the receiver assuming a 0 dBi receive antenna.

**Note 2:** Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

**Note 3:** EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

#### 4.11.3 Response Requirements

**Table 4: DFS Response Requirement Values**

Parameter	Value
<i>Non-occupancy period</i>	Minimum 30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds See Note 1.
<i>Channel Closing Transmission Time</i>	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
<i>U-NII Detection Bandwidth</i>	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.

**Note 1:** *Channel Move Time* and the *Channel Closing Transmission Time* should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

**Note 2:** The *Channel Closing Transmission Time* is comprised of 200 milliseconds starting at the beginning of the *Channel Move Time* plus any additional intermittent control signals required to facilitate a *Channel move* (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

**Note 3:** During the *U-NII Detection Bandwidth* detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

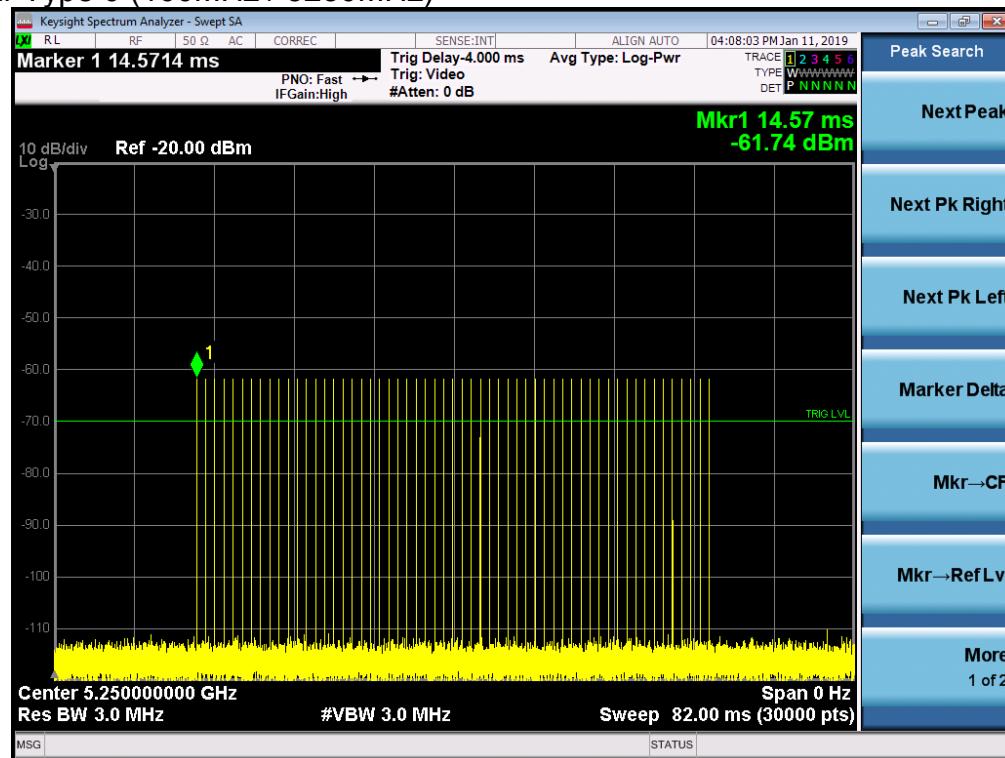
#### 4.11.4 Test plots

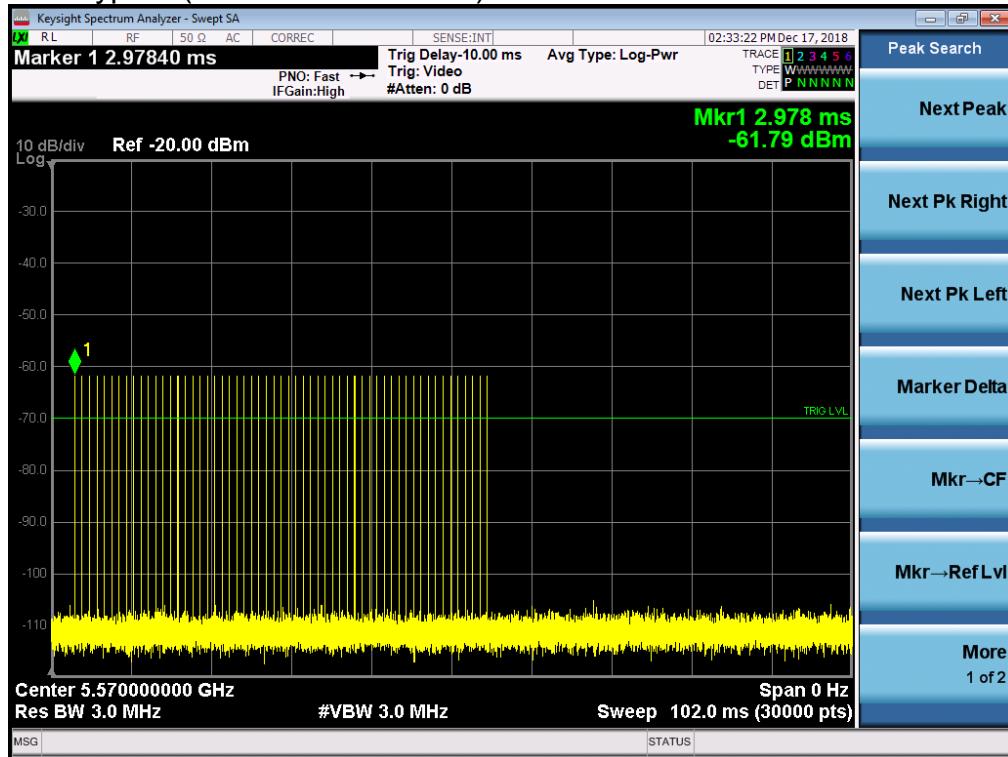
Note1: Only the data of Ant.1 is recorded.

Note2: CH50(5250MHz) of the full band (160MHz) both meet the requirements for 5150 MHz - 5250MHz and 5250MHz-5350MHz.

##### 4.11.4.1 Radar Waveform Calibration Result

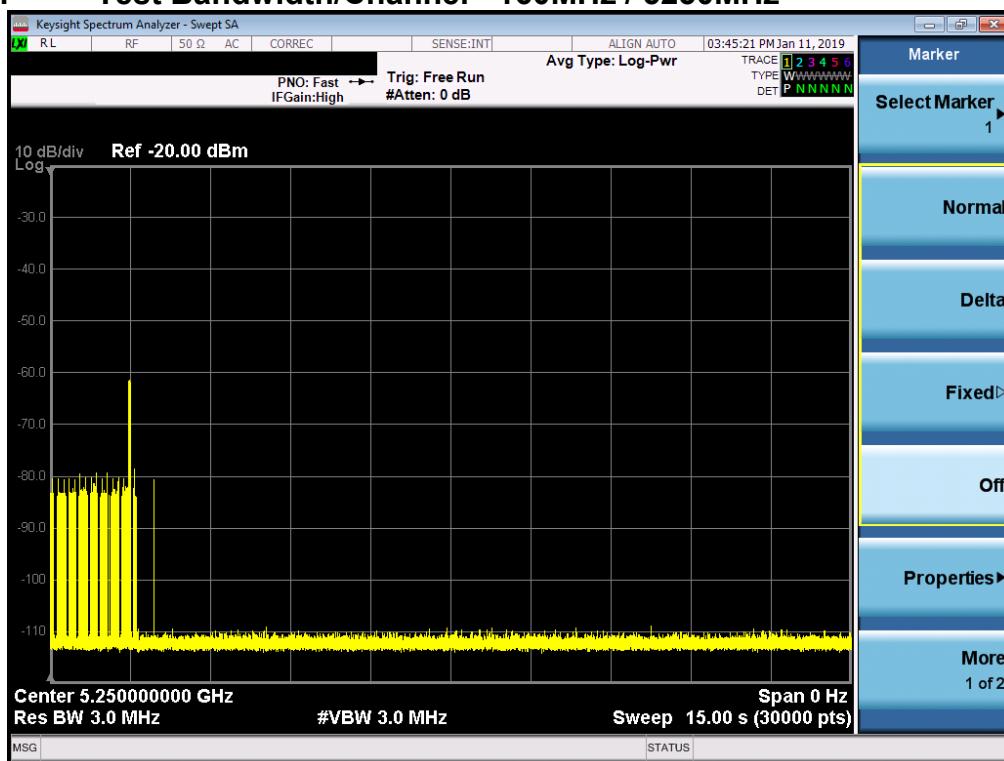
Radar Type 0 (160MHz / 5250MHz)

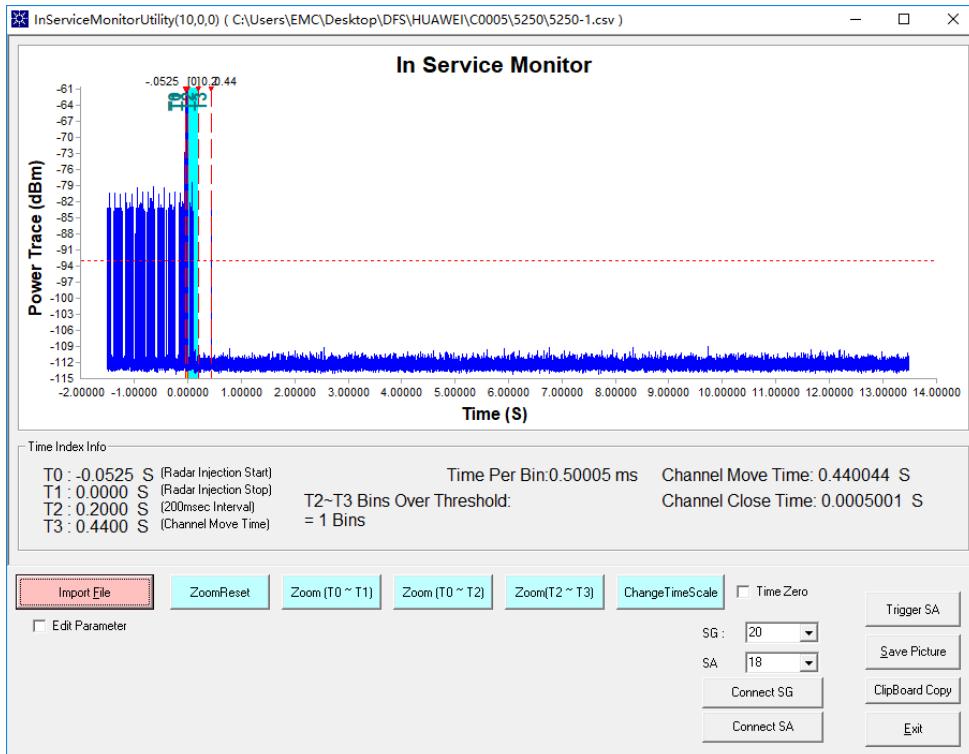


**Radar Type 0 (160MHz / 5570MHz)**

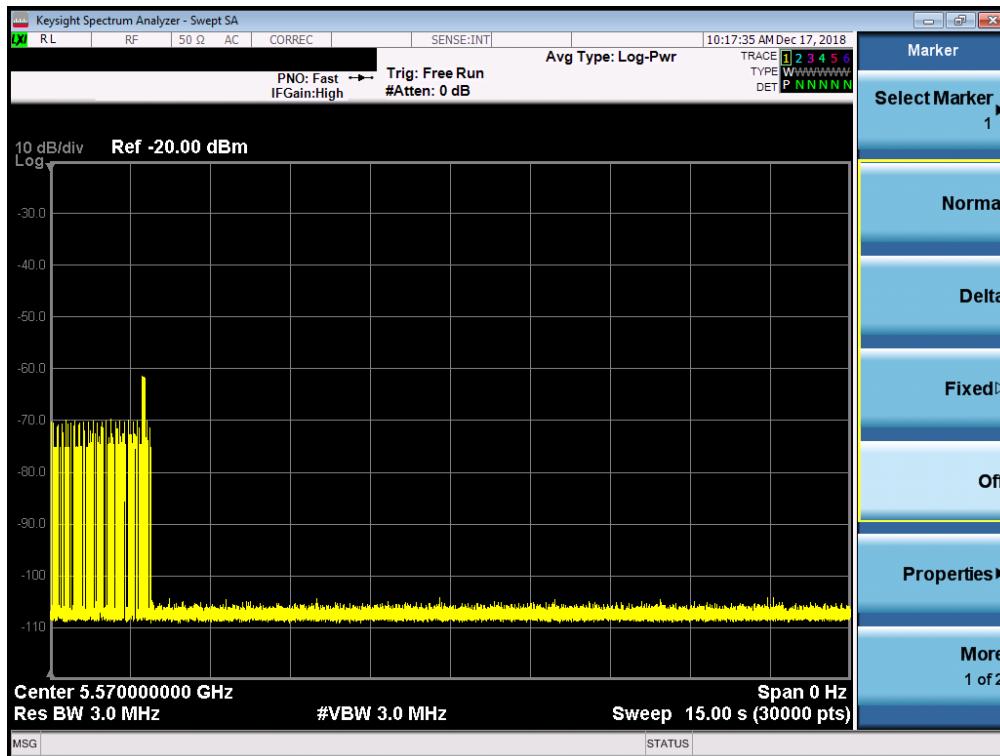
**4.11.5 Test Data:**

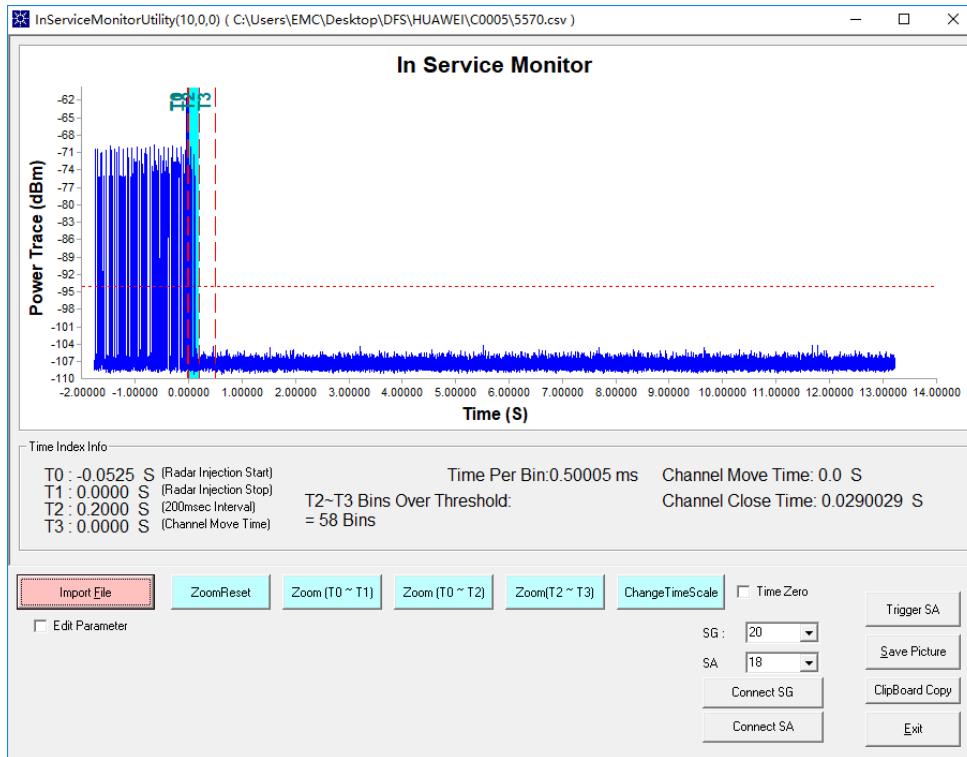
BW/Channel	Test Item	Test Result	Limit	Results
160MHz / 5250MHz	Channel Move Time	0.44s	<10s	Pass
	Channel Closing Transmission Time	0.5ms	<60ms	Pass
160MHz / 5570MHz	Channel Move Time	0s	<10s	Pass
	Channel Closing Transmission Time	29ms	<60ms	Pass

**4.11.5.1 Test plots****4.11.5.1.1 Test Bandwidth/Channel= 160MHz / 5250MHz**



#### 4.11.5.1.2 Test Bandwidth/Channel= 160MHz / 5570MHz





## 5 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	±0.75dB
2	RF power density, conducted	±2.84dB
3	Spurious emissions, conducted	±0.75dB
4	Radiated Spurious emission test	±4.5dB (30MHz-1GHz)
		±4.8dB (1GHz-25GHz)
5	Conduct emission test	±3.12 dB(9KHz- 30MHz)
6	Temperature test	±1°C
7	Humidity test	±3%
8	DC and low frequency voltages	±0.5%



## 6 Equipment List

Conducted Emission					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2017/5/10	2020/5/9
LISN	Rohde & Schwarz	ENV216	SEM007-01	2018/9/2	2019/9/2
LISN	ETS-LINDGREN	Feb-16	SEM007-02	2018/4/2	2019/4/1
Measurement Software	AUDIX	e3 V5.4.1221d	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2018/7/12	2019/7/11
8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8-02	EMC0120	2018/2/14	2019/2/13
4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	EMC0121	2018/2/14	2019/2/13
2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	EMC0122	2018/2/14	2019/2/13
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2018/4/2	2019/4/1

RF conducted test					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2018/9/2	2019/9/2
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2018/3/13	2019/3/12
Coaxial Cable	SGS	N/A	SEM031-01	2018/7/12	2019/7/11
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2018/9/2	2019/9/2
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2018/11/27	2019/11/27
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2018/9/2	2019/9/2
Master Device	Linksys pte.Ltd	WRT32X	FCC ID:Q87-WRT3200ACM IC ID:3839A-WRT3200ACM	N/A	N/A

RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2017/8/5	2020/8/4
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2018/7/12	2019/7/11
MXE EMI Receiver (20Hz-8.4GHz)	Agilent Technologies	N9038A	SEM004-05	2018/9/2	2019/9/2
BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2017/6/27	2020/6/26
Pre-amplifier (0.1-1.3GHz)	Agilent Technologies	8447D	SEM005-01	2018/4/2	2019/4/1



RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2018/3/31	2021/3/30
EMI Test Receiver (9k-7GHz)	Rohde & Schwarz	ESR	SEM004-03	2018/4/2	2019/4/1
Trilog-Broadband Antenna (25M-2GHz)	Schwarzbeck	VULB9168	SEM003-18	2016/6/29	2019/6/28
Pre-amplifier (9k-1GHz)	Sonoma Instrument Co	310N	SEM005-03	2018/4/13	2019/4/12
Loop Antenna (9kHz-30MHz)	ETS-Lindgren	6502	SEM003-08	2017/8/22	2020/8/21
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM029-01	2018/7/12	2019/7/11

RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018/3/13	2021/3/12
Spectrum Analyzer (20Hz-43GHz)	Rohde & Schwarz	FSU43	SEM004-08	2018/4/2	2019/4/1
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017/6/27	2020/6/26
Horn Antenna (800MHz-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018/413	2021/412
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017/10/17	2020/10/16
Amplifier(0.1-1300MHz)	HP	8447D	SEM005-02	2018/9/2	2019/9/2
Low Noise Amplifier (100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2018/9/2	2019/9/2
Pre-Amplifier(0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	EMC2063	2018/11/20	2019/11/19
Pre-amplifier(26-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2018/4/2	2019/4/1
Band filter	N/A	N/A	N/A	N/A	N/A
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2018/7/12	2019/7/11

## 7 Photographs - EUT Test Setup Details

Refer to Appendix A - Photographs of EUT Test Setup Details for HR/2018/C0005.

The End