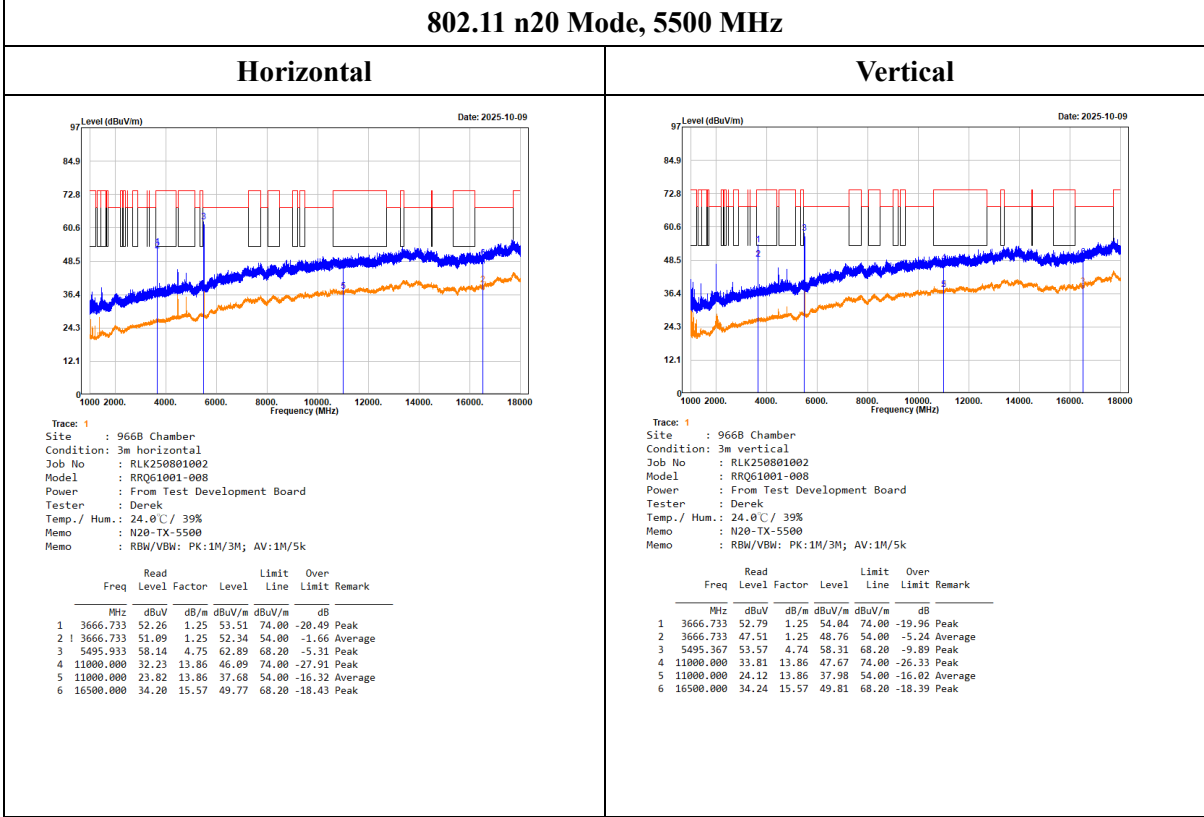
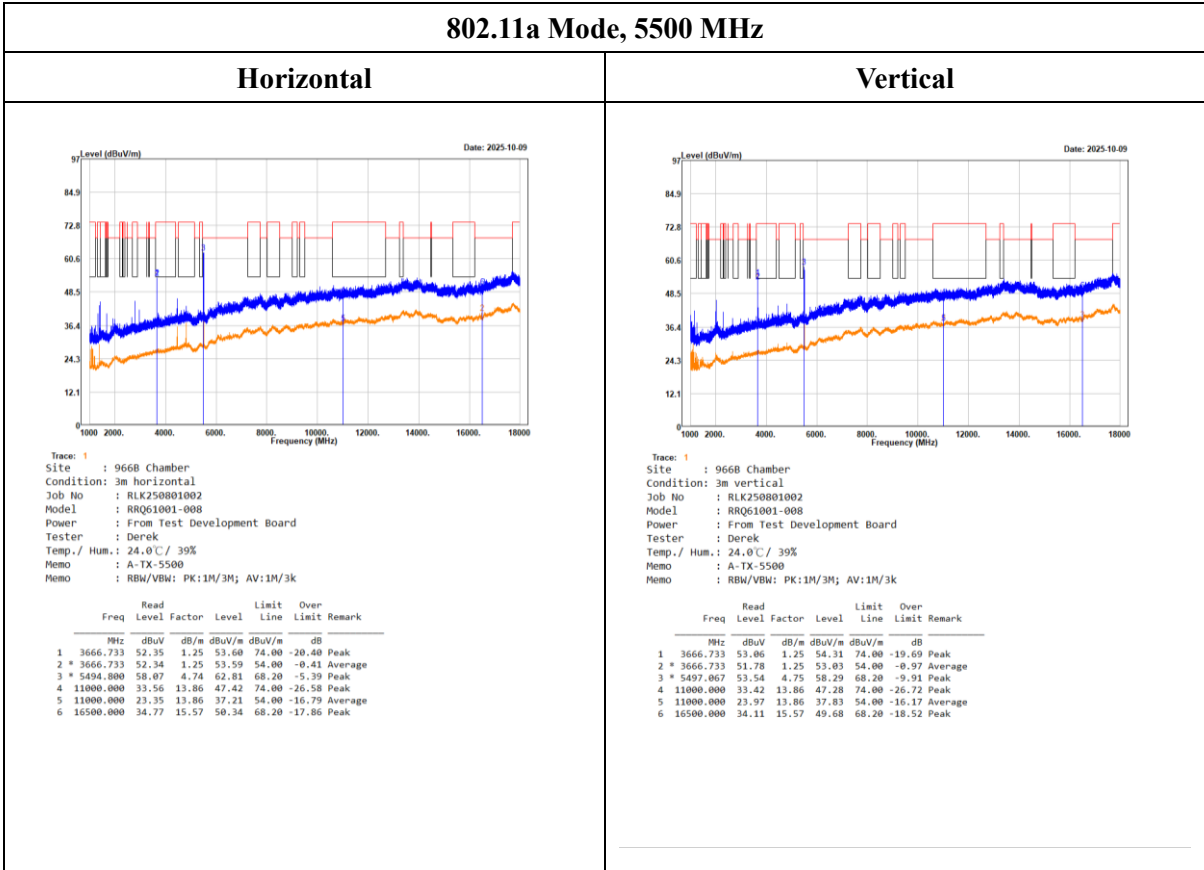
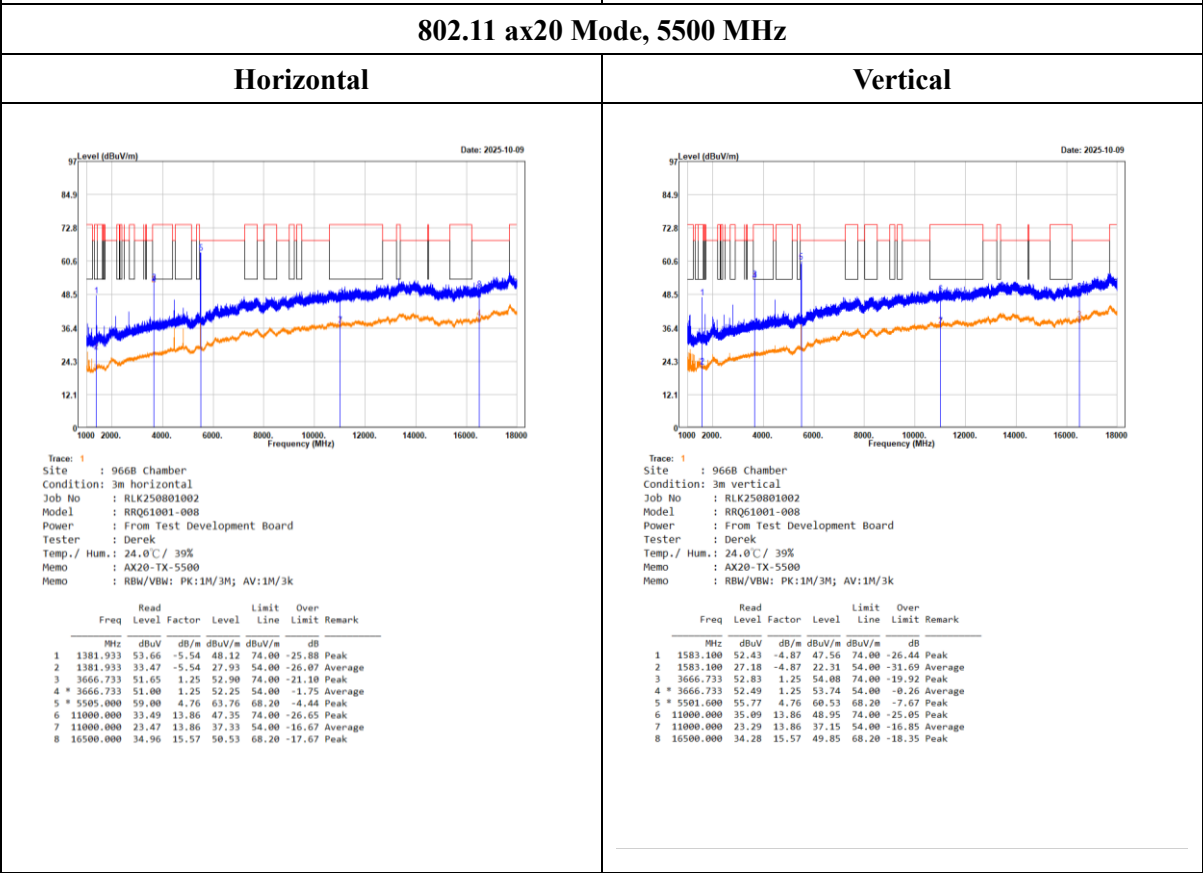
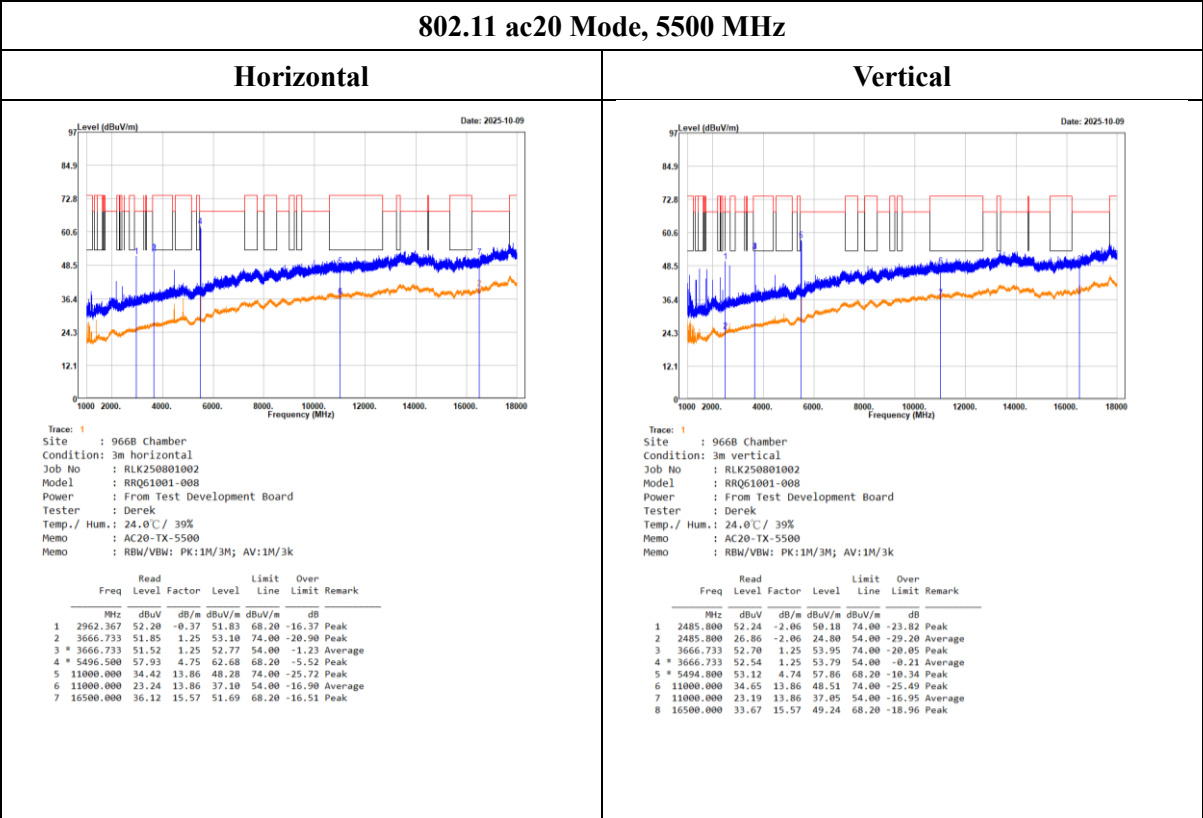
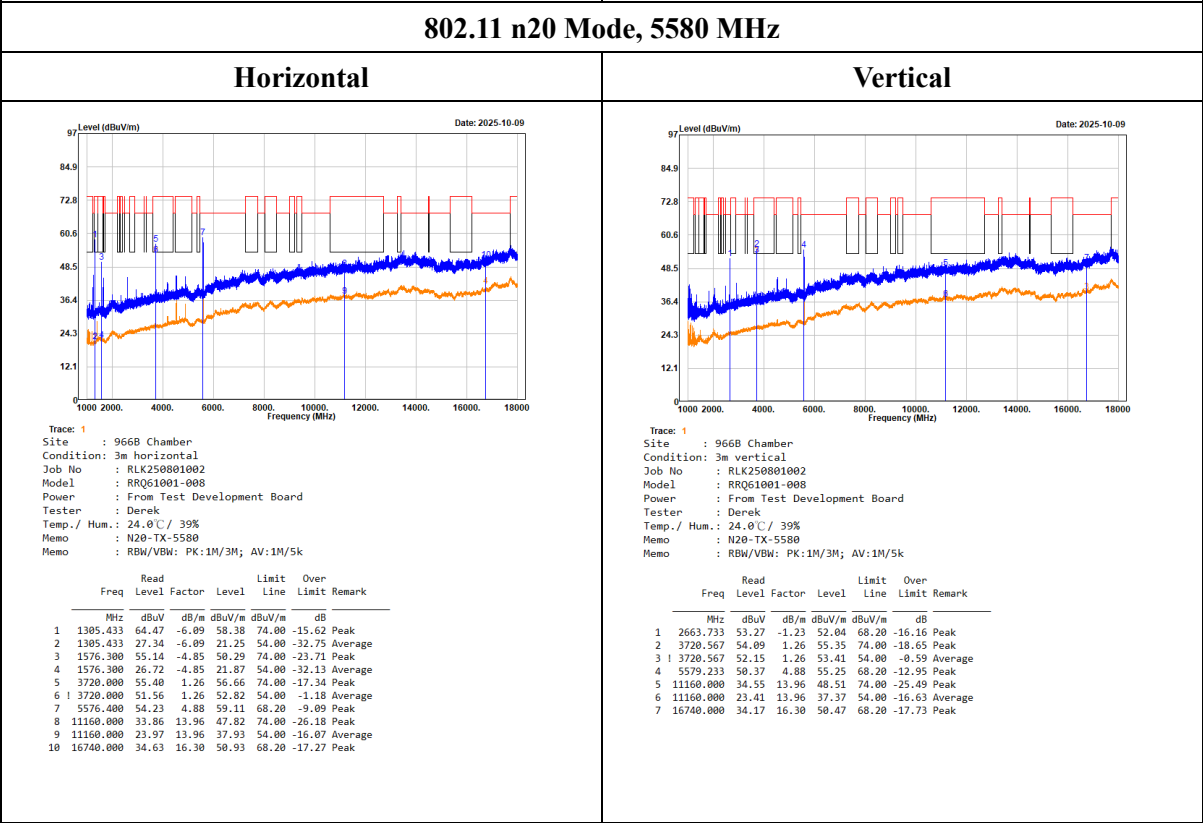
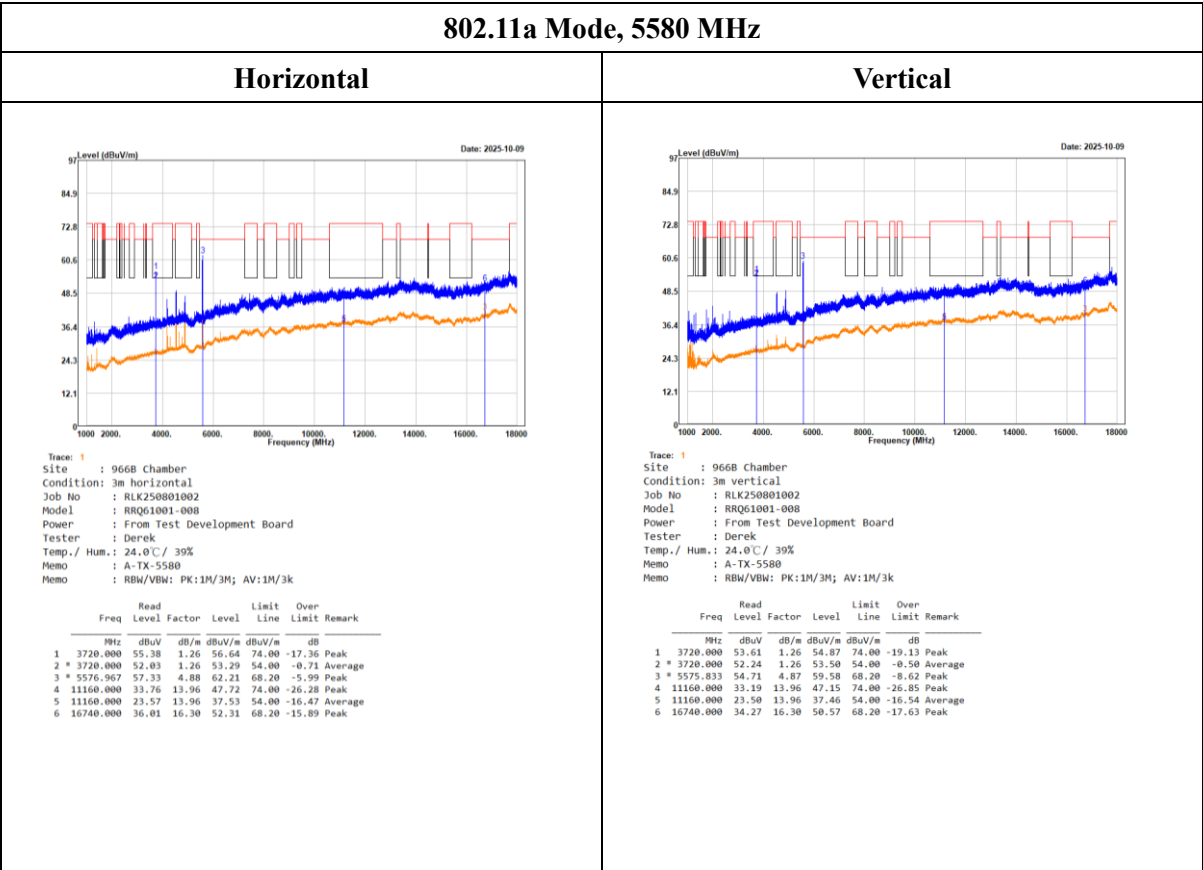


5470-5725 MHz

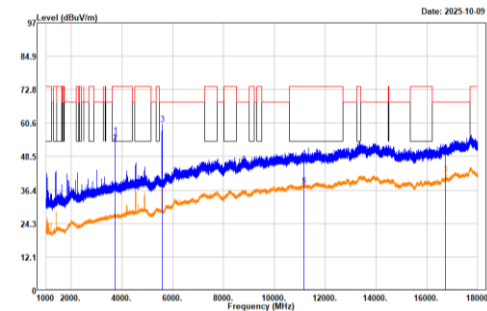






802.11 ac20 Mode, 5580 MHz

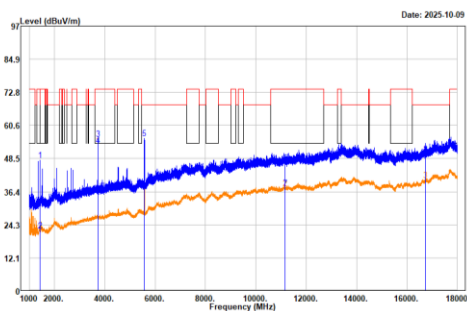
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AC20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read		Limit	Over	
Freq	Level	Factor	Level	Line	Limit Remark
Hz	dBuV		dBm	dBuV/m	dB
1 3720.000	54.93	1.26	56.19	74.00	-17.81 Peak
2 * 3720.000	52.37	1.26	53.63	54.00	-0.37 Average
3 * 5577.533	55.39	4.88	60.27	68.20	-7.93 Peak
4 11160.000	33.98	13.96	47.94	74.00	-26.06 Peak
5 11160.000	23.98	13.96	37.96	54.00	-16.14 Average
6 16740.000	33.46	16.30	49.76	68.20	-18.44 Peak

Vertical

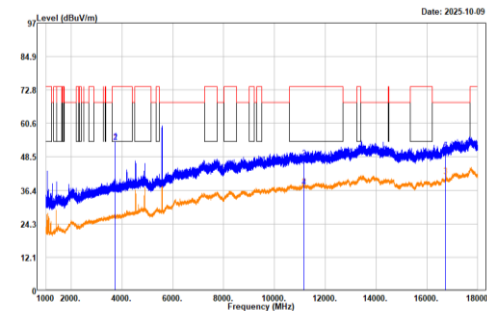


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AC20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read		Limit	Over	
Freq	Level	Factor	Level	Line	Limit Remark
Hz	dBuV		dBm	dBuV/m	dB
1 1419.900	53.18	-5.27	47.91	74.00	-26.09 Peak
2 1419.900	27.44	-5.27	22.17	54.00	-31.83 Average
3 3720.000	54.50	1.26	55.76	74.00	-18.24 Peak
4 * 3720.000	52.12	1.26	53.38	54.00	-0.62 Average
5 * 5574.133	51.12	4.87	55.99	68.20	-12.21 Peak
6 11160.000	33.08	13.96	47.04	74.00	-26.96 Peak
7 11160.000	23.71	13.96	37.67	54.00	-16.33 Average
8 16740.000	33.86	16.30	50.16	68.20	-18.04 Peak

802.11 ax20 Mode, 5580 MHz

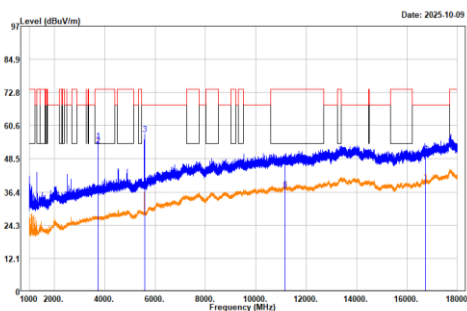
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AX20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

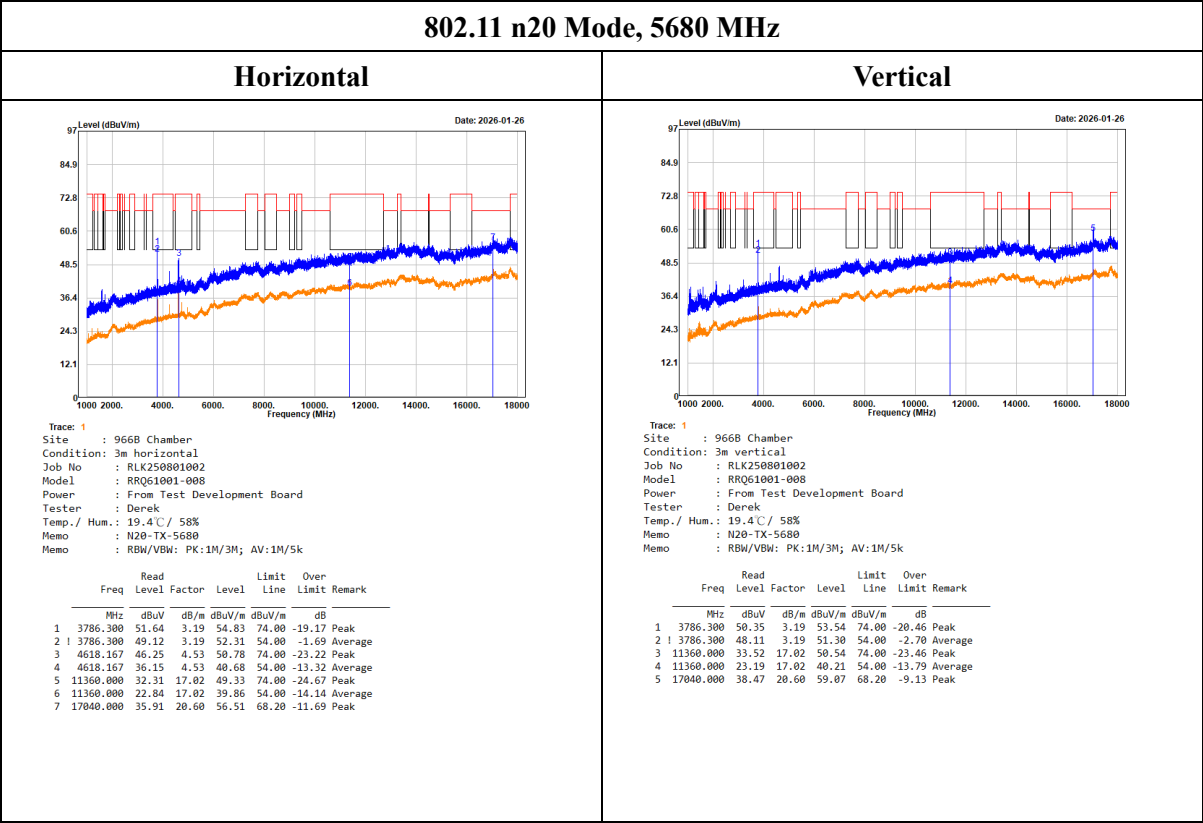
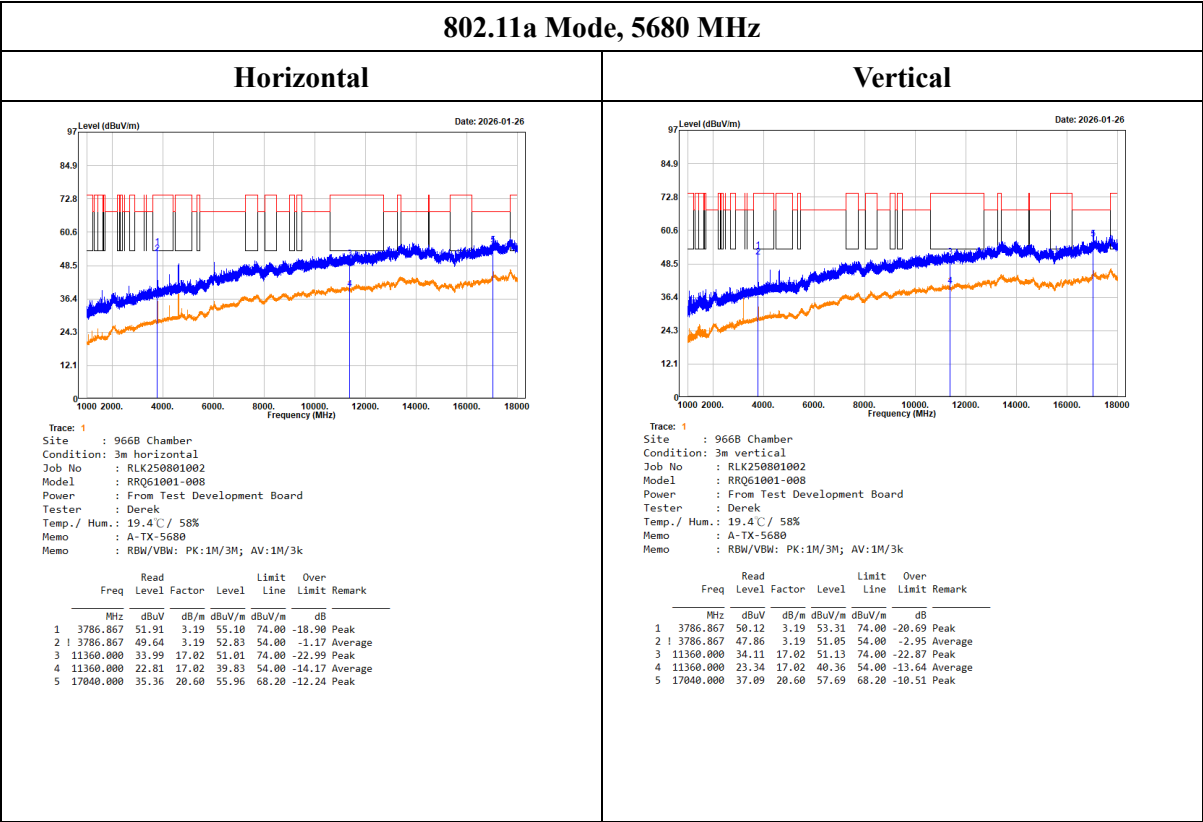
	Read		Limit	Over	
Freq	Level	Factor	Level	Line	Limit Remark
Hz	dBuV		dBm	dBuV/m	dB
1 3720.567	52.88	1.26	54.14	74.00	-19.86 Peak
2 * 3720.567	52.53	1.26	53.79	54.00	-0.21 Average
3 11160.000	34.07	13.96	48.03	74.00	-25.97 Peak
4 11160.000	23.80	13.96	37.76	54.00	-16.24 Average
5 *16740.000	34.63	16.30	50.93	68.20	-17.27 Peak

Vertical



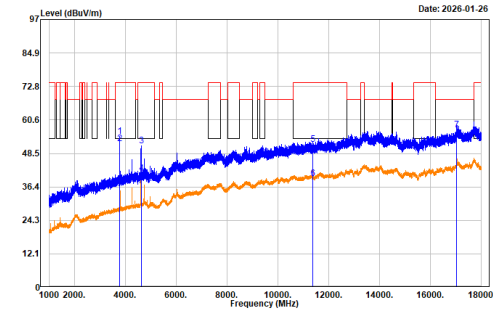
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AX20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read		Limit	Over	
Freq	Level	Factor	Level	Line	Limit Remark
Hz	dBuV		dBm	dBuV/m	dB
1 3720.000	53.71	1.26	54.97	74.00	-19.03 Peak
2 * 3720.000	52.14	1.26	53.40	54.00	-0.60 Average
3 * 5576.967	52.69	4.88	57.57	68.20	-10.63 Peak
4 11160.000	33.41	13.96	47.37	74.00	-26.63 Peak
5 11160.000	23.28	13.96	37.24	54.00	-16.76 Average
6 16740.000	33.84	16.30	50.14	68.20	-18.06 Peak



802.11 ac20 Mode, 5680 MHz

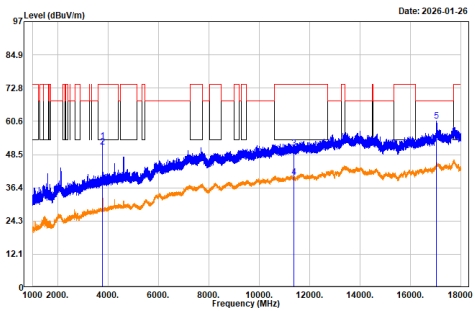
Horizontal



Trace 1
Site : 9668 Chamber
Condition: 3m horizontal
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.4°C/ 58%
Memo : AC20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read	Limit	Over	
Freq	Level	Factor	Level	Line
MHz	dBuV	dB/m	dBuV/m	dB
1 3786.867	51.36	3.19	54.55	74.00 -19.45 Peak
2 3786.867	48.94	3.19	52.13	54.00 -1.87 Average
3 4618.733	46.71	4.53	51.24	74.00 -22.76 Peak
4 4618.733	36.84	4.53	41.37	54.00 -12.63 Average
5 11360.000	34.78	17.02	51.80	74.00 -22.20 Peak
6 11360.000	22.51	17.02	39.53	54.00 -14.47 Average
7 17040.000	36.51	20.60	57.11	68.20 -11.09 Peak

Vertical

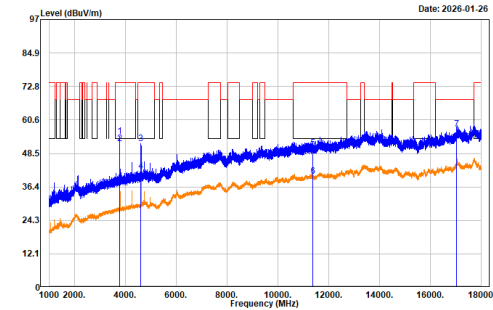


Trace 1
Site : 9668 Chamber
Condition: 3m vertical
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.4°C/ 58%
Memo : AC20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read	Limit	Over	
Freq	Level	Factor	Level	Line
MHz	dBuV	dB/m	dBuV/m	dB
1 3786.300	50.19	3.19	53.38	74.00 -20.62 Peak
2 3786.300	47.95	3.19	51.14	54.00 -2.86 Average
3 11360.000	33.65	17.02	50.67	74.00 -23.33 Peak
4 11360.000	23.11	17.02	40.13	54.00 -13.87 Average
5 17040.000	40.14	20.60	60.74	68.20 -7.46 Peak

802.11 ax20 Mode, 5680 MHz

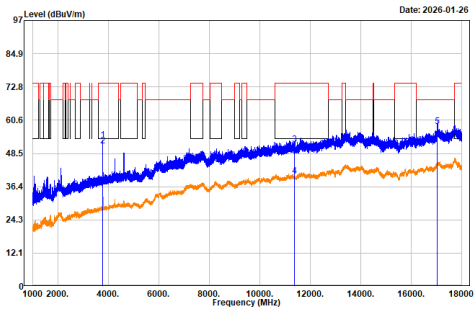
Horizontal



Trace 1
Site : 9668 Chamber
Condition: 3m horizontal
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.4°C/ 58%
Memo : AX20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

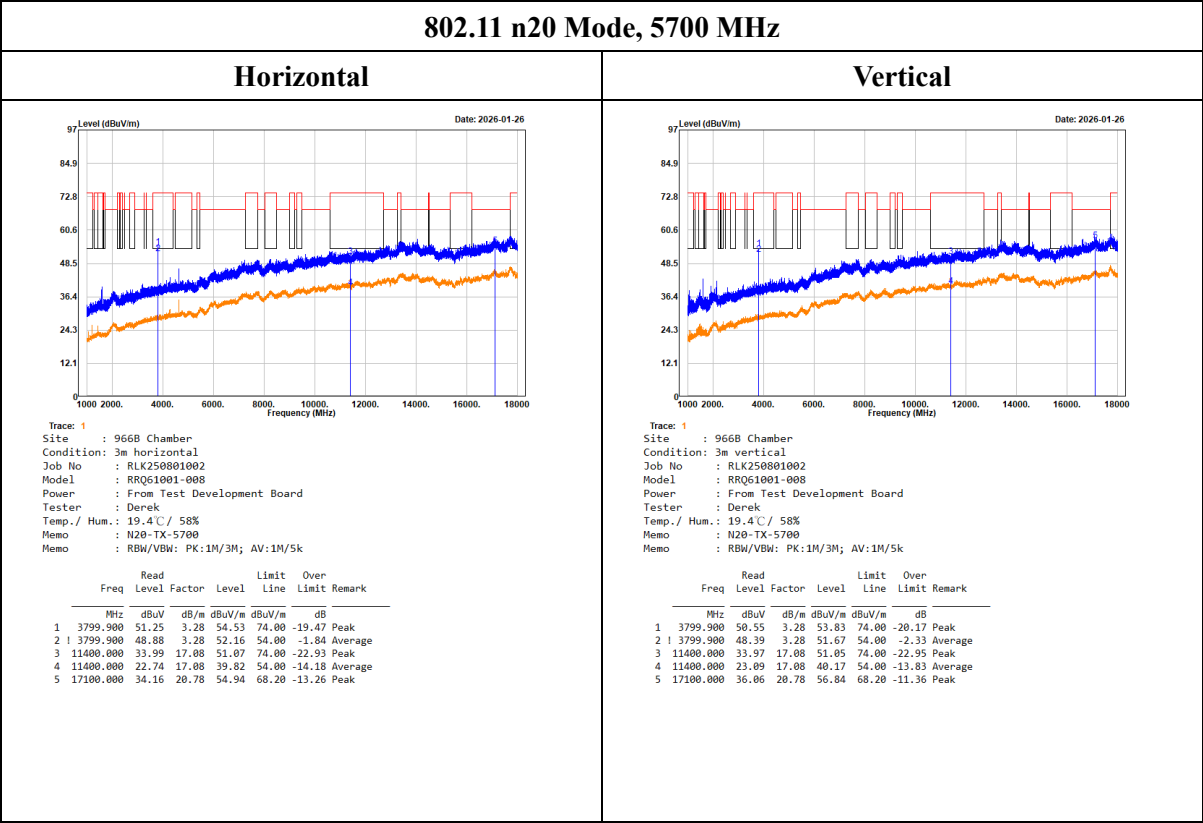
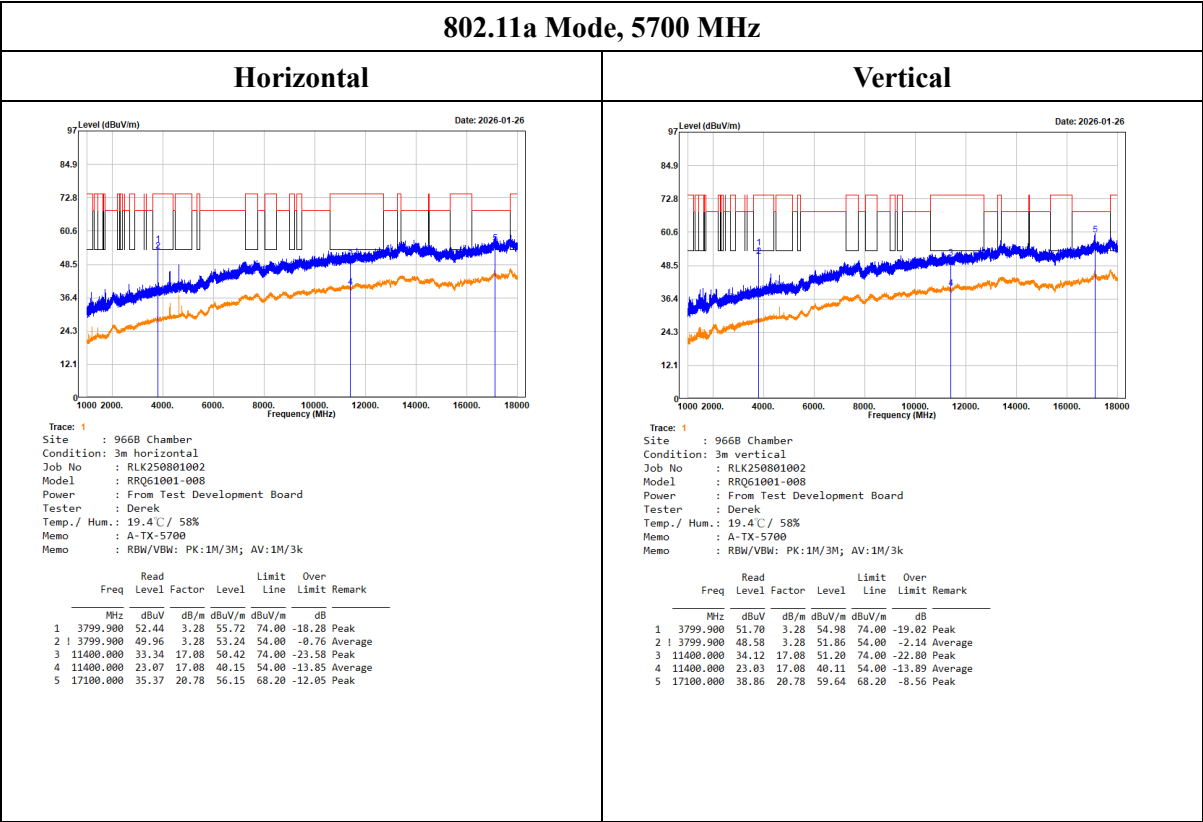
	Read	Limit	Over	
Freq	Level	Factor	Level	Line
MHz	dBuV	dB/m	dBuV/m	dB
1 3786.300	51.45	3.19	54.64	74.00 -19.36 Peak
2 3786.300	48.94	3.19	52.13	54.00 -1.87 Average
3 4614.767	47.56	4.51	52.07	74.00 -21.93 Peak
4 4614.767	37.46	4.51	41.97	54.00 -12.03 Average
5 11360.000	33.55	17.02	50.57	74.00 -23.43 Peak
6 11360.000	23.25	17.02	40.27	54.00 -13.73 Average
7 17040.000	36.77	20.60	57.37	68.20 -10.83 Peak

Vertical



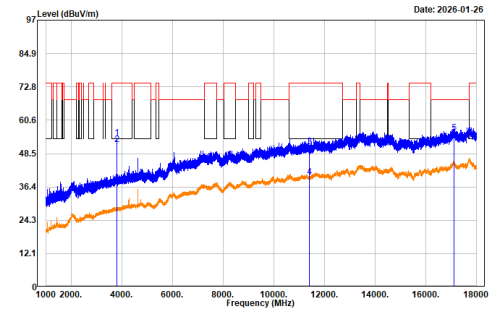
Trace 1
Site : 9668 Chamber
Condition: 3m vertical
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.4°C/ 58%
Memo : AX20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read	Limit	Over	
Freq	Level	Factor	Level	Line
MHz	dBuV	dB/m	dBuV/m	dB
1 3786.300	50.20	3.19	53.39	74.00 -20.61 Peak
2 3786.300	48.02	3.19	51.21	54.00 -2.79 Average
3 11360.000	34.76	17.02	51.78	74.00 -22.22 Peak
4 11360.000	23.28	17.02	40.30	54.00 -13.70 Average
5 17040.000	37.82	20.60	58.42	68.20 -9.78 Peak



802.11 ac20 Mode, 5700 MHz

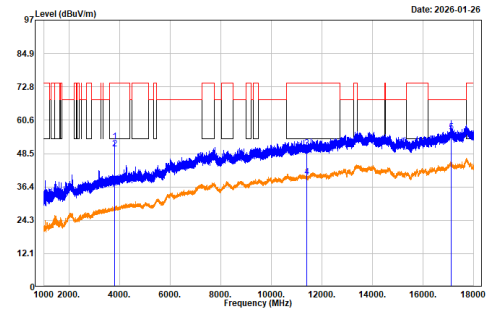
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.4°C/ 58%
Memo : AC20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read	Level	Limit	Over	
Freq	Level	Factor	Line	Limit	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB
1 3799.900	50.75	3.28	54.03	74.00	-19.97 Peak
2 3799.900	48.56	3.28	51.84	54.00	-2.16 Average
3 11400.000	33.81	17.08	50.89	74.00	-23.11 Peak
4 11400.000	22.84	17.08	39.92	54.00	-14.08 Average
5 17100.000	35.32	20.78	56.10	68.20	-12.10 Peak

Vertical

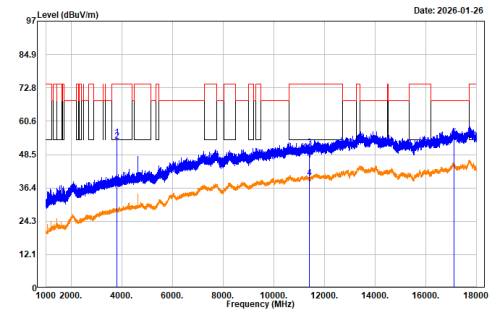


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.4°C/ 58%
Memo : AC20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read	Level	Limit	Over	
Freq	Level	Factor	Line	Limit	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB
1 3799.900	49.68	3.28	52.96	74.00	-21.04 Peak
2 3799.900	46.89	3.28	50.17	54.00	-3.83 Average
3 11400.000	33.40	17.08	50.48	74.00	-23.52 Peak
4 11400.000	22.93	17.08	40.01	54.00	-13.99 Average
5 17100.000	35.60	20.78	56.38	68.20	-11.82 Peak

802.11 ax20 Mode, 5700 MHz

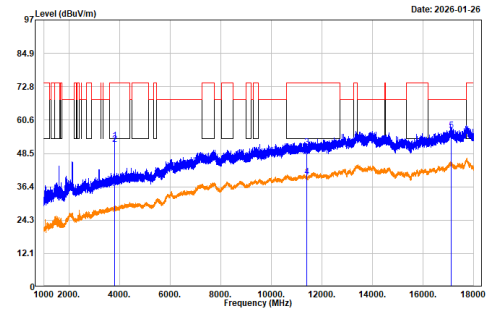
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.4°C/ 58%
Memo : AX20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read	Level	Limit	Over	
Freq	Level	Factor	Line	Limit	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB
1 3799.900	51.49	3.28	54.77	74.00	-19.23 Peak
2 3799.900	49.98	3.28	53.26	54.00	-0.74 Average
3 11400.000	33.85	17.08	50.93	74.00	-23.07 Peak
4 11400.000	22.75	17.08	39.83	54.00	-14.17 Average
5 17100.000	33.92	20.78	54.70	68.20	-13.50 Peak

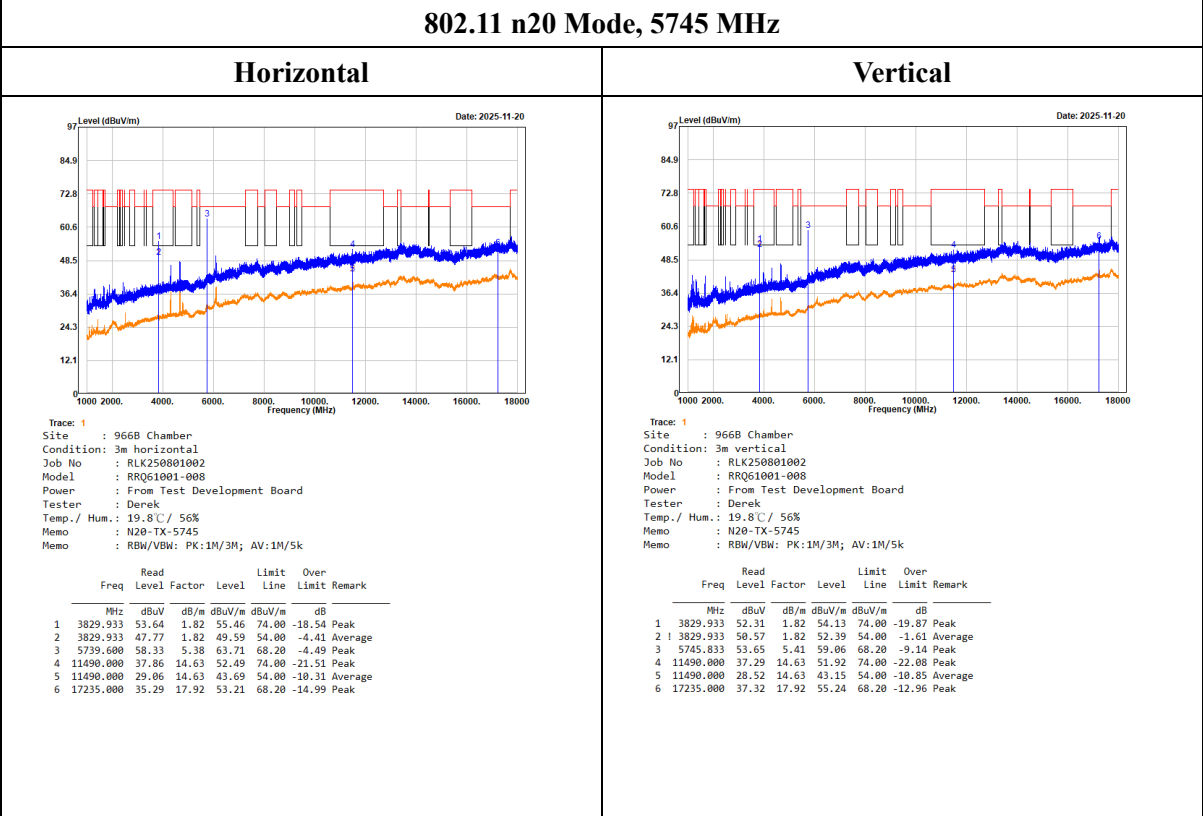
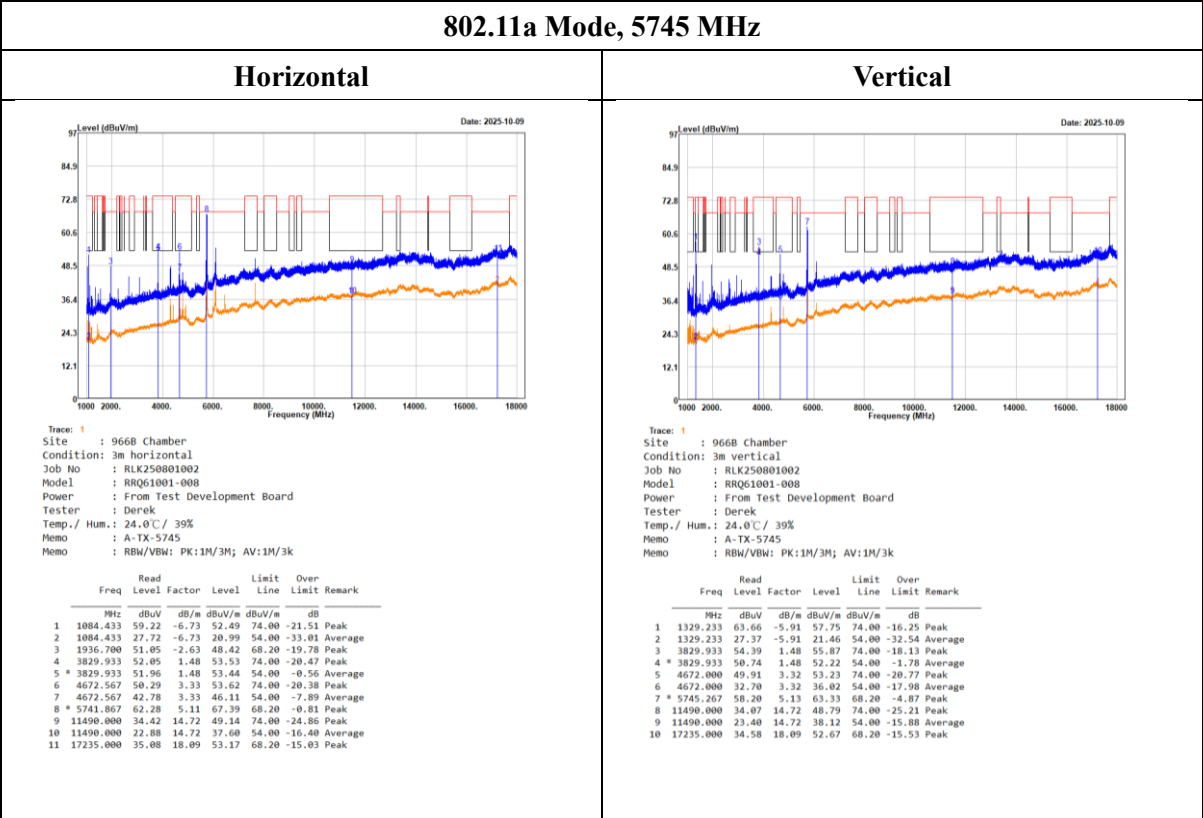
Vertical



Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 19.4°C/ 58%
Memo : AX20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

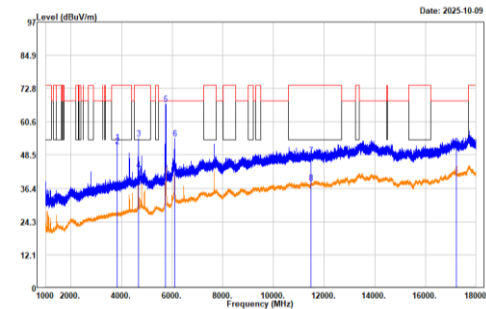
	Read	Level	Limit	Over	
Freq	Level	Factor	Line	Limit	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB
1 3799.900	49.76	3.28	53.04	74.00	-20.96 Peak
2 3799.900	48.55	3.28	51.83	54.00	-2.17 Average
3 11400.000	33.71	17.08	50.79	74.00	-23.21 Peak
4 11400.000	22.85	17.08	39.93	54.00	-14.07 Average
5 17100.000	35.99	20.78	56.77	68.20	-11.43 Peak

5725-5850 MHz



802.11 ac20 Mode, 5745 MHz

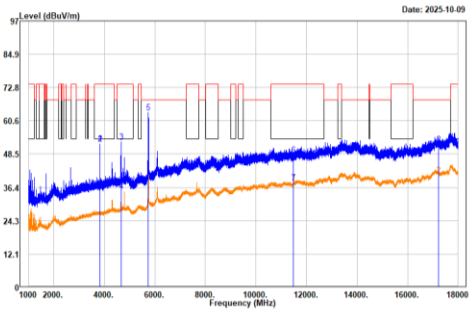
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AC20-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read	Level	Limit	Over	
	Freq	Level Factor	Line	Line	Remark
	MHz	dBuV	dB/m	dBuV/m	dB
1	3829.933	51.61	1.48	53.09	74.00 -20.91 Peak
2	* 3829.933	50.36	1.48	51.84	54.00 -2.16 Average
3	4668.833	51.18	3.30	54.48	74.00 -19.52 Peak
4	4668.833	39.91	3.30	43.21	54.00 -10.79 Average
5	* 5743.567	62.06	5.12	67.18	68.20 -1.02 Peak
6	6100.567	47.98	6.61	54.59	68.20 -13.61 Peak
7	11490.000	33.60	14.72	48.32	74.00 -25.68 Peak
8	11490.000	23.57	14.72	38.29	54.00 -15.71 Average
9	17235.000	33.53	18.09	51.62	68.20 -16.58 Peak

Vertical

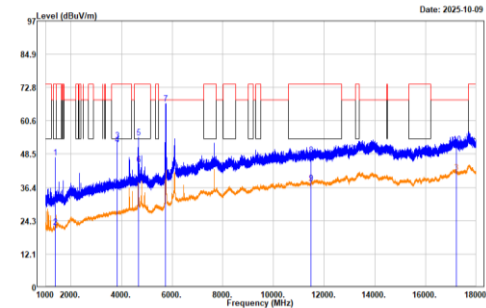


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AC20-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read	Level	Limit	Over	
	Freq	Level Factor	Line	Line	Remark
	MHz	dBuV	dB/m	dBuV/m	dB
1	3829.933	50.84	1.48	52.32	74.00 -21.68 Peak
2	* 3829.933	50.69	1.48	52.17	54.00 -1.83 Average
3	4670.300	49.63	3.32	52.95	74.00 -21.05 Peak
4	4670.300	31.91	3.32	35.23	54.00 -18.77 Average
5	* 5745.833	58.51	5.13	63.64	68.20 -4.56 Peak
6	11490.000	33.52	14.72	48.24	74.00 -25.76 Peak
7	11490.000	23.35	14.72	38.07	54.00 -15.93 Average
8	17235.000	33.84	18.09	51.93	68.20 -16.27 Peak

802.11 ax20 Mode, 5745 MHz

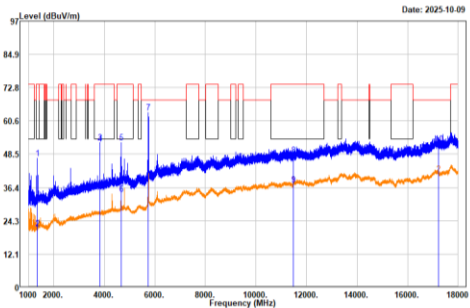
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AX20-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read	Level	Limit	Over	
	Freq	Level Factor	Line	Line	Remark
	MHz	dBuV	dB/m	dBuV/m	dB
1	1388.733	52.66	-5.50	47.16	74.00 -26.84 Peak
2	1388.733	27.30	-5.50	21.80	54.00 -32.20 Average
3	3829.933	52.00	1.48	53.48	74.00 -20.52 Peak
4	* 3829.933	50.62	1.48	52.10	54.00 -1.90 Average
5	4672.567	51.31	3.33	54.64	74.00 -19.36 Peak
6	4672.567	41.46	3.33	44.79	54.00 -9.21 Average
7	* 5743.533	61.80	5.13	66.93	68.20 -1.27 Peak
8	11490.000	33.50	14.72	48.22	74.00 -25.78 Peak
9	11490.000	23.06	14.72	37.78	54.00 -16.22 Average
10	17235.000	33.92	18.09	52.01	68.20 -16.19 Peak

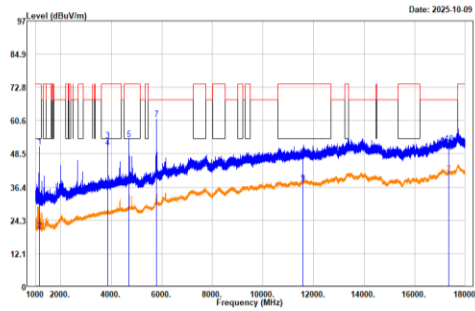
Vertical



Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AX20-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read	Level	Limit	Over	
	Freq	Level Factor	Line	Line	Remark
	MHz	dBuV	dB/m	dBuV/m	dB
1	1361.533	52.80	-5.69	47.11	74.00 -26.89 Peak
2	1361.533	27.19	-5.69	21.50	54.00 -32.50 Average
3	3829.933	51.20	1.48	52.68	74.00 -21.32 Peak
4	* 3829.933	50.68	1.48	52.16	54.00 -1.84 Average
5	4668.833	49.48	3.30	52.78	74.00 -21.22 Peak
6	4668.833	30.79	3.30	34.09	54.00 -19.91 Average
7	* 5743.567	58.56	5.12	63.68	68.20 -4.52 Peak
8	11490.000	33.51	14.72	48.23	74.00 -25.77 Peak
9	11490.000	22.82	14.72	37.54	54.00 -16.46 Average
10	17235.000	34.20	18.09	52.29	68.20 -15.91 Peak

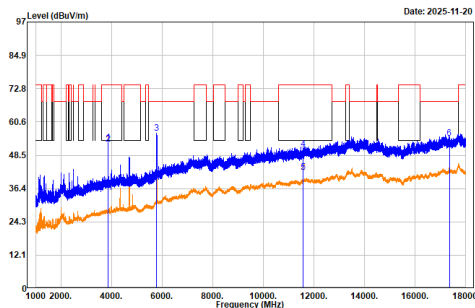
Vertical



```
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C/ 39%
Memo : A-TX-5785
Memo : RBV/VBM: PK:1M/3M; AV:1M/3k
```

Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
Hz	dBuV		dBuV/m		dB	
1	1160.367	57.76	-6.62 51.14	74.00	-22.86	Average
2	1160.377	28.20	-6.62 28.20	74.00	-33.45	Average
3	3856.567	51.77	1.55 53.32	74.00	-20.68	Peak
4	3856.567	49.41	1.55 50.96	54.00	-3.04	Average
5	4694.667	55.36	3.44 53.80	74.00	-20.20	Peak
6	4694.667	34.30	3.44 37.74	54.00	-16.26	Peak
7	5779.267	56.85	5.28 61.13	68.20	-7.07	Peak
8	11570.000	32.11	12.75 46.86	74.00	-27.14	Peak
9	11570.000	23.25	14.75 38.00	54.00	-16.00	Average
10	17355.000	33.99	18.30 52.29	68.20	-15.91	Peak

Vertical

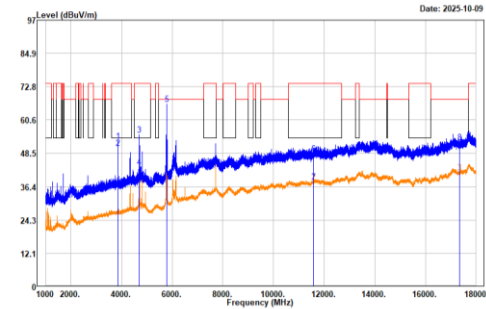


```
Trace: 1
Site      : 9668 Chamber
Condition: 3m vertical
Job No    : RLK250801002
Model     : RRQ61001-008
Power     : From Test Development Board
Tester    : Derek
Temp./ Hum.: 19.8°C/ 56%
Memo      : N20-TX-5785
Memo      : RBW/VBW: PK:1M/3M; AV:1M/5k
```

	Freq	Read Level	Factor	Level	Limit	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3856.567	51.25	1.88	53.13	74.00	-20.87	Peak
2	3856.567	50.76	1.88	52.64	54.00	-1.36	Average
3	5784.367	51.82	5.59	56.61	68.20	-11.59	Peak
4	11570.000	36.08	14.72	50.80	74.00	-23.20	Peak
5	11570.000	27.68	14.72	42.40	54.00	-11.60	Average
6	17355.000	36.37	18.26	54.63	68.20	-13.57	Peak

802.11 ac20 Mode, 5785 MHz

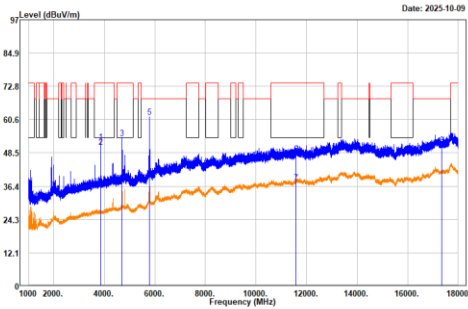
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AC20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read Freq	Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3856.567	51.34	1.55	52.89	74.00	-21.11	Peak
2	* 3856.567	48.84	1.55	50.39	54.00	-3.61	Average
3	4705.433	51.62	3.50	55.12	74.00	-18.88	Peak
4	4705.433	40.04	3.50	43.54	54.00	-10.46	Average
5	* 5781.533	61.21	5.29	66.50	68.20	-1.70	Peak
6	11570.000	33.61	14.75	48.36	74.00	-25.64	Peak
7	11570.000	23.40	14.75	38.15	54.00	-15.85	Average
8	17355.000	34.14	18.30	52.44	68.20	-15.76	Peak

Vertical

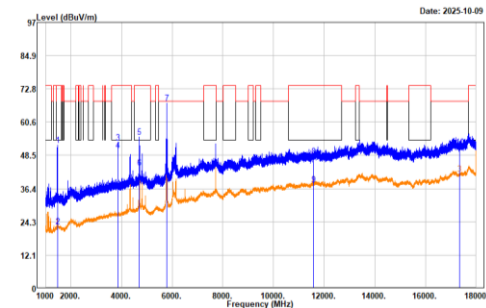


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AC20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read Freq	Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3856.567	50.89	1.55	52.44	74.00	-21.56	Peak
2	* 3856.567	49.03	1.55	50.58	54.00	-3.42	Average
3	4703.167	50.29	3.50	53.79	74.00	-20.21	Peak
4	4703.167	33.62	3.50	37.12	54.00	-16.88	Average
5	* 5787.200	56.28	5.32	61.60	68.20	-6.60	Peak
6	11570.000	33.44	14.75	48.19	74.00	-25.81	Peak
7	11570.000	23.00	14.75	37.75	54.00	-16.25	Average
8	17355.000	33.10	18.30	51.40	68.20	-16.80	Peak

802.11 ax20 Mode, 5785 MHz

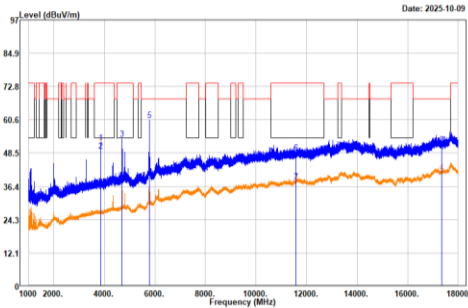
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AX20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

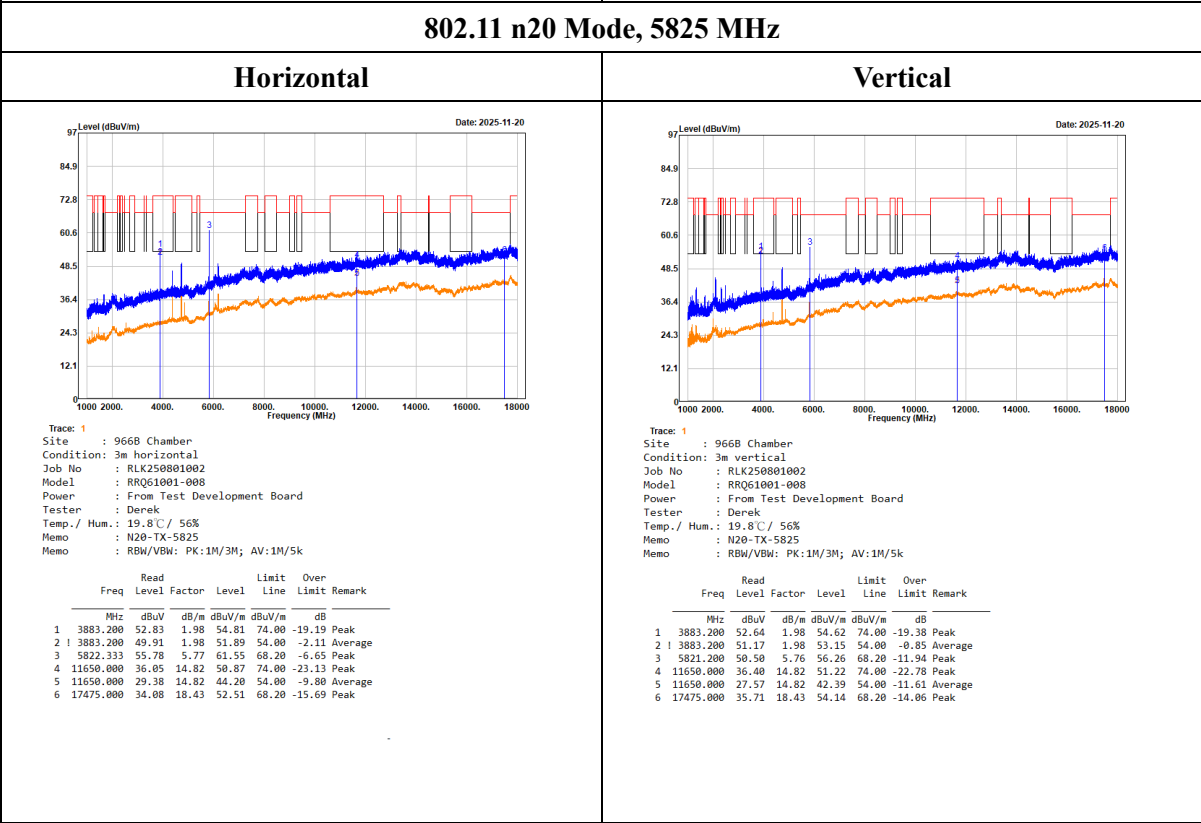
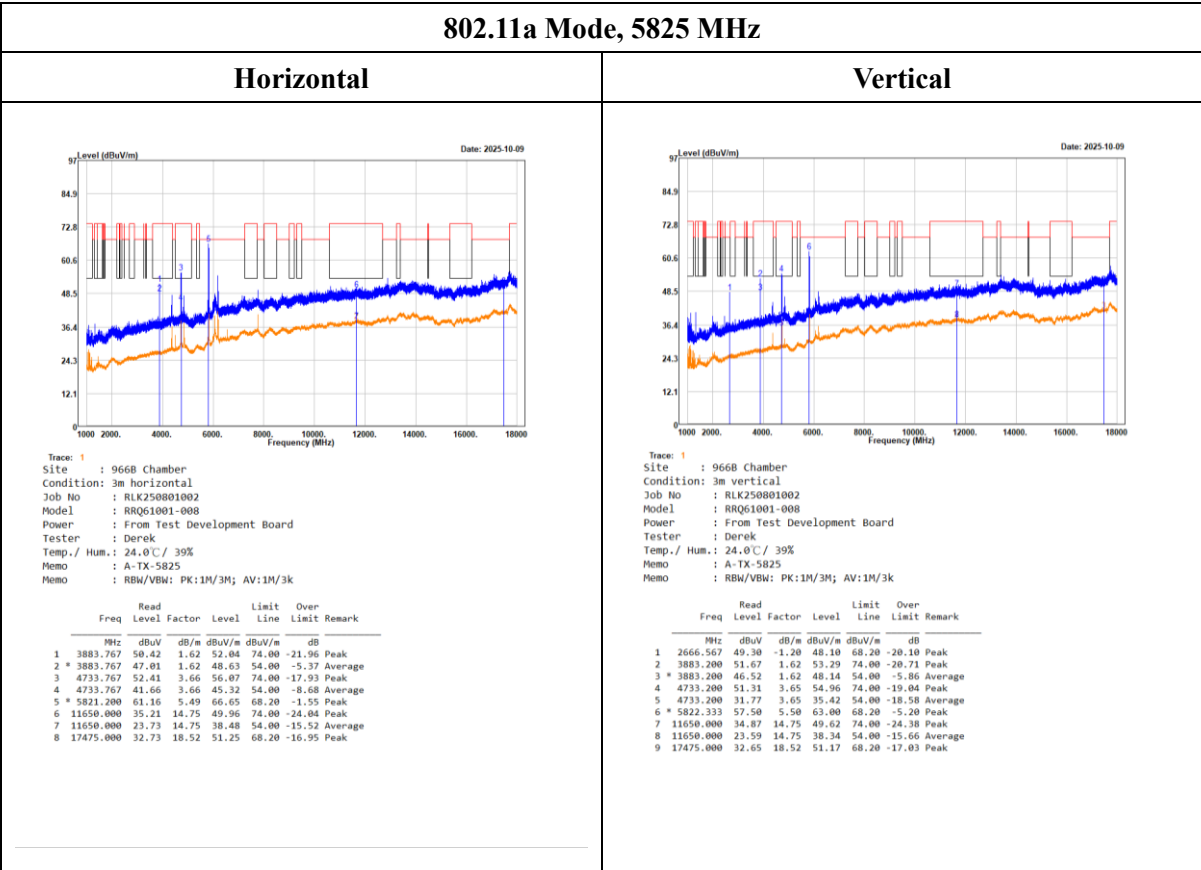
	Read Freq	Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	1481.100	57.13	-4.84	52.29	74.00	-21.71	Peak
2	1481.100	27.39	-4.84	22.55	54.00	-31.45	Average
3	3856.567	51.72	1.55	53.27	74.00	-20.73	Peak
4	* 3856.567	48.85	1.55	50.40	54.00	-3.60	Average
5	4700.900	51.64	3.48	55.12	74.00	-18.88	Peak
6	4700.900	40.49	3.48	43.97	54.00	-10.03	Average
7	* 5779.267	62.24	5.28	67.52	68.20	-0.68	Peak
8	11570.000	33.33	14.75	48.08	74.00	-25.92	Peak
9	11570.000	23.05	14.75	37.80	54.00	-16.20	Average
10	17355.000	33.33	18.30	51.63	68.20	-16.57	Peak

Vertical



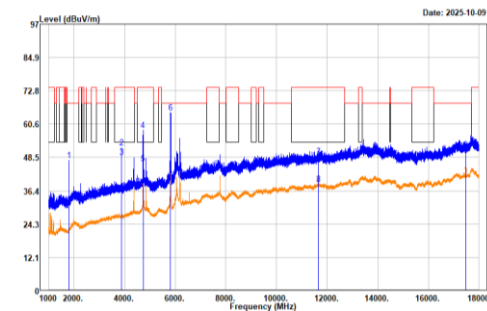
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AX20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read Freq	Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3856.567	50.60	1.55	52.15	74.00	-21.85	Peak
2	* 3856.567	47.86	1.55	49.41	54.00	-4.59	Average
3	4700.333	50.07	3.48	53.55	74.00	-20.45	Peak
4	4700.333	34.36	3.48	37.84	54.00	-16.16	Average
5	* 5782.667	55.13	5.29	60.42	68.20	-7.78	Peak
6	11570.000	33.84	14.75	48.59	74.00	-25.41	Peak
7	11570.000	23.34	14.75	38.09	54.00	-15.91	Average
8	17355.000	33.31	18.30	51.61	68.20	-16.59	Peak



802.11 ac20 Mode, 5825 MHz

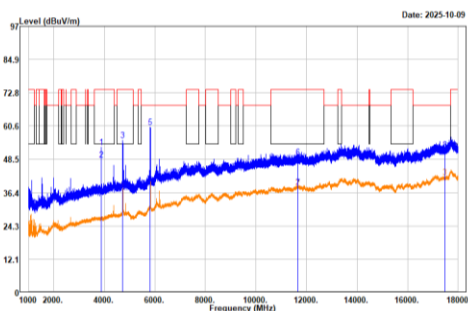
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AC20-TX-5825
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read	Limit	Over		
Freq	Level	Factor	Line	Limit	Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB
1 1788.000	52.08	-4.65	47.43	68.20	-20.77 Peak
2 3883.767	50.47	1.62	52.09	74.00	-21.91 Peak
3 * 3883.767	46.94	1.62	48.56	54.00	-5.44 Average
4 4733.767	54.83	3.66	58.49	74.00	-15.51 Peak
5 4733.767	42.72	3.66	46.38	54.00	-7.62 Average
6 * 5817.000	59.32	5.48	64.80	68.20	-3.40 Peak
7 11650.000	34.20	14.75	48.95	74.00	-25.05 Peak
8 11650.000	23.94	14.75	38.69	54.00	-15.31 Average
9 17475.000	32.92	18.52	51.44	68.20	-16.76 Peak

Vertical

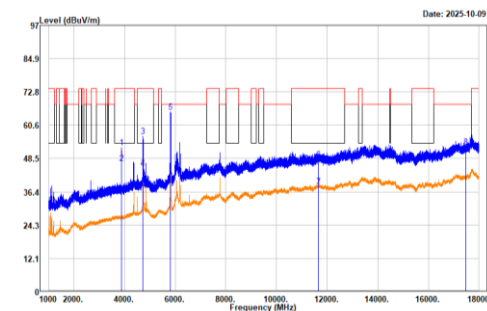


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AC20-TX-5825
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3883.200	51.42	1.62	53.04	74.00	-20.96	Peak
2 *	3883.200	46.85	1.62	48.47	54.00	-5.53	Average
3	4732.633	51.71	3.65	55.36	74.00	-18.64	Peak
4	4732.633	33.87	3.65	37.52	54.00	-16.48	Average
5 *	5821.767	54.65	5.50	60.15	68.20	-8.05	Peak
6	11650.000	34.54	14.75	49.29	74.00	-24.71	Peak
7	11650.000	23.69	14.75	38.44	54.00	-15.56	Average
8	17475.000	33.59	18.52	52.11	68.20	-16.09	Peak

802.11 ax20 Mode, 5825 MHz

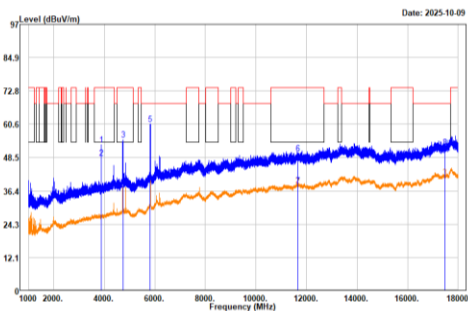
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AX20-TX-5825
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3883.200	50.78	1.62	52.40	74.00	-21.60	Peak
2	3883.200	45.16	1.62	46.78	54.00	-7.22	Average
3	4730.933	52.90	3.64	56.54	74.00	-17.46	Peak
4	4730.933	41.53	3.64	45.17	54.00	-8.83	Average
5	5822.333	60.05	5.50	65.55	68.20	-2.65	Peak
6	11650.000	33.50	14.75	48.25	74.00	-25.75	Peak
7	11650.000	23.51	14.75	38.26	54.00	-15.74	Average
8	17475.000	34.16	18.52	52.68	68.20	-15.52	Peak

Vertical



Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801002
Model : RRQ61001-008
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 24.0°C / 39%
Memo : AX20-TX-5825
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read		Limit	Over	
Freq	Level	Factor	Level	Line	Remark
	MHz	dBuV	dB/m	dBuV/m	dB
1	3883.767	51.63	1.62	53.25	74.00 -20.75 Peak
2 *	3883.767	46.87	1.62	48.49	54.00 -5.51 Average
3	4734.900	51.45	3.66	55.11	74.00 -18.89 Peak
4	4734.900	33.16	3.66	36.82	54.00 -17.18 Average
5 *	5821.200	55.23	5.49	60.72	68.20 -7.48 Peak
6	11650.000	35.35	14.75	50.10	74.00 -23.90 Peak
7	11650.000	23.62	14.75	38.37	54.00 -15.63 Average
8	17475.000	33.81	18.52	52.33	68.20 -15.87 Peak

Note:

Level = Reading + Factor.

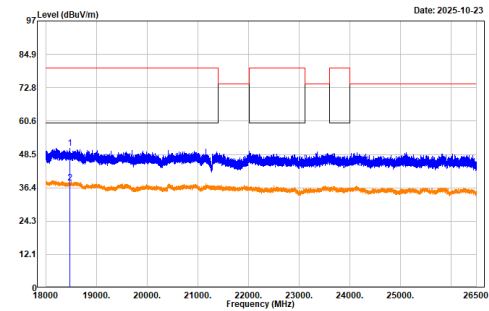
Over Limit = Level - Limit.

Factor = Antenna Factor + Cable Loss - Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

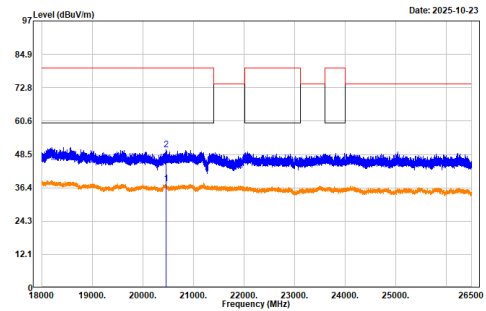
UNII-1 Band I 5150~5250 MHz (Worst case is 802.11a Mode)

Vertical



```
Trace: 1
Site      : 966B Chamber
Condition: 1.5m horizontal
Job No    : RLK250801002
Model     : RRQ61001-008
Power     : From Test Development Board
Tester    : Derek
Temp./ Hum.: 23.8°C / 38%
Memo      : A-TX-5180
Memo      : RBW/VBN: PK:1M/3M; AV:1M/3k
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	18468.350	54.85	-4.19	50.66	80.00	-29.34	Peak
2	18468.350	42.20	-4.19	38.01	60.00	-21.99	Average

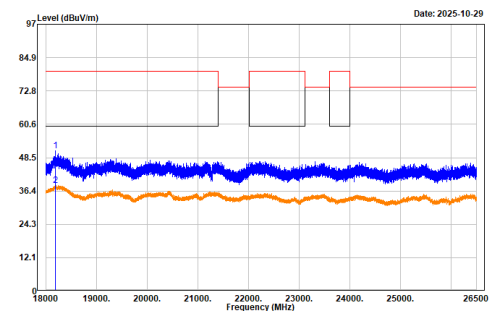


```
Trace: 1
Site      : 9668 Chamber
Condition: 1.5m vertical
Job No    : RQ250801002
Model     : RQ61001-008
Power     : From Test Development Board
Tester    : Derek
Temp./ Hum.: 23.8°C/ 38%
Memo      : A-TX-5180
Memo      : RBW/VBW: PK:1M/3M; AV:1M/3k
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	20454.230	38.90	-1.01	37.89	60.00	-22.11	Average
2	20454.230	51.16	-1.01	50.15	80.00	-29.85	Peak

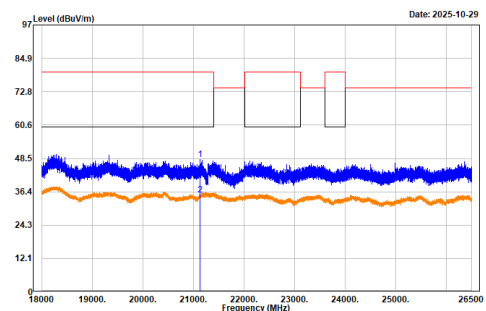
UNII-2A Band II 5250~5350 MHz (Worst case is 802.11 n20 Mode)

Vertical



```
Trace: 1
Site      : 966B Chamber
Condition: 1.5m Horizontal
Job No    : RLK250801002
Model     : RRQ61001-008
Power     : From Test Development Board
Tester    : Derek
Temp./ Hum.: 21.6°C / 63%
Memo      : N20-TX-5300
Memo      : RBW/VBW: PK:1M/3M; AV:1M/5k
```

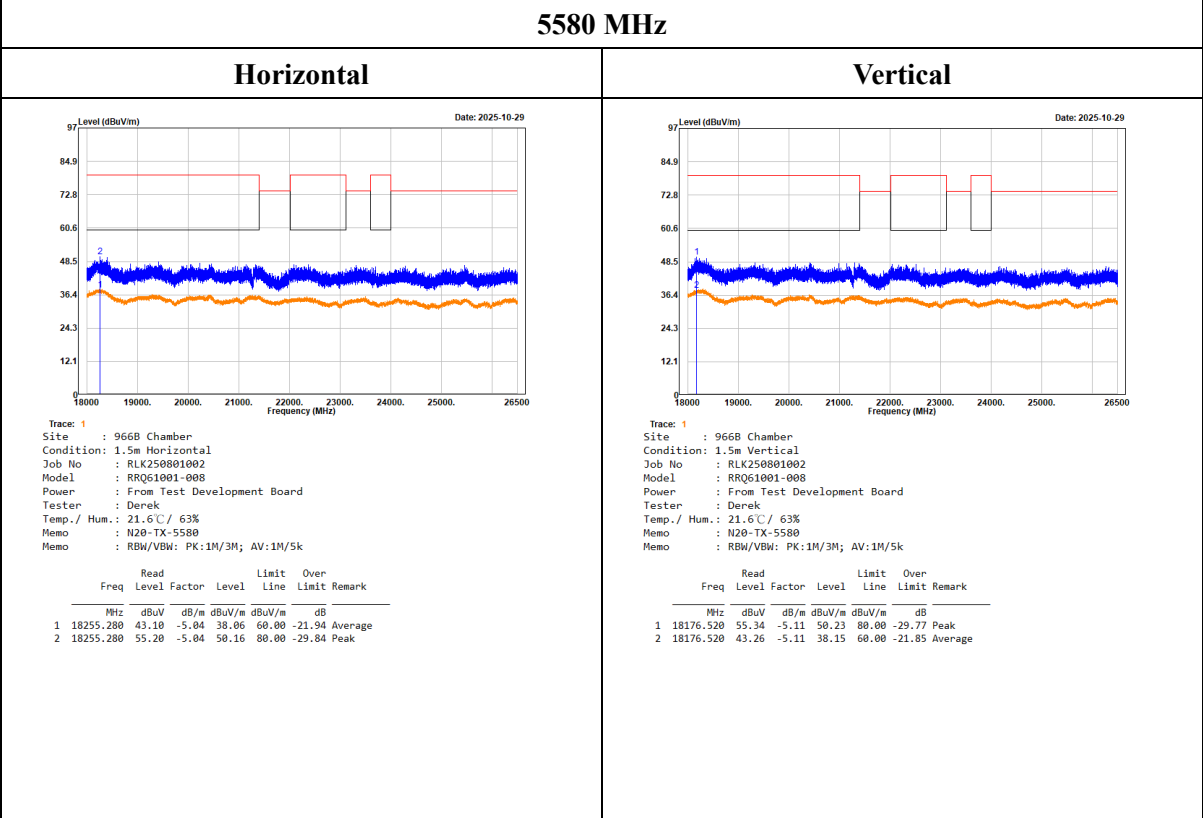
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	18188.420	55.98	-5.10	50.88	80.00	-29.12	Peak
2	18188.420	43.41	-5.10	38.31	60.00	-21.69	Average



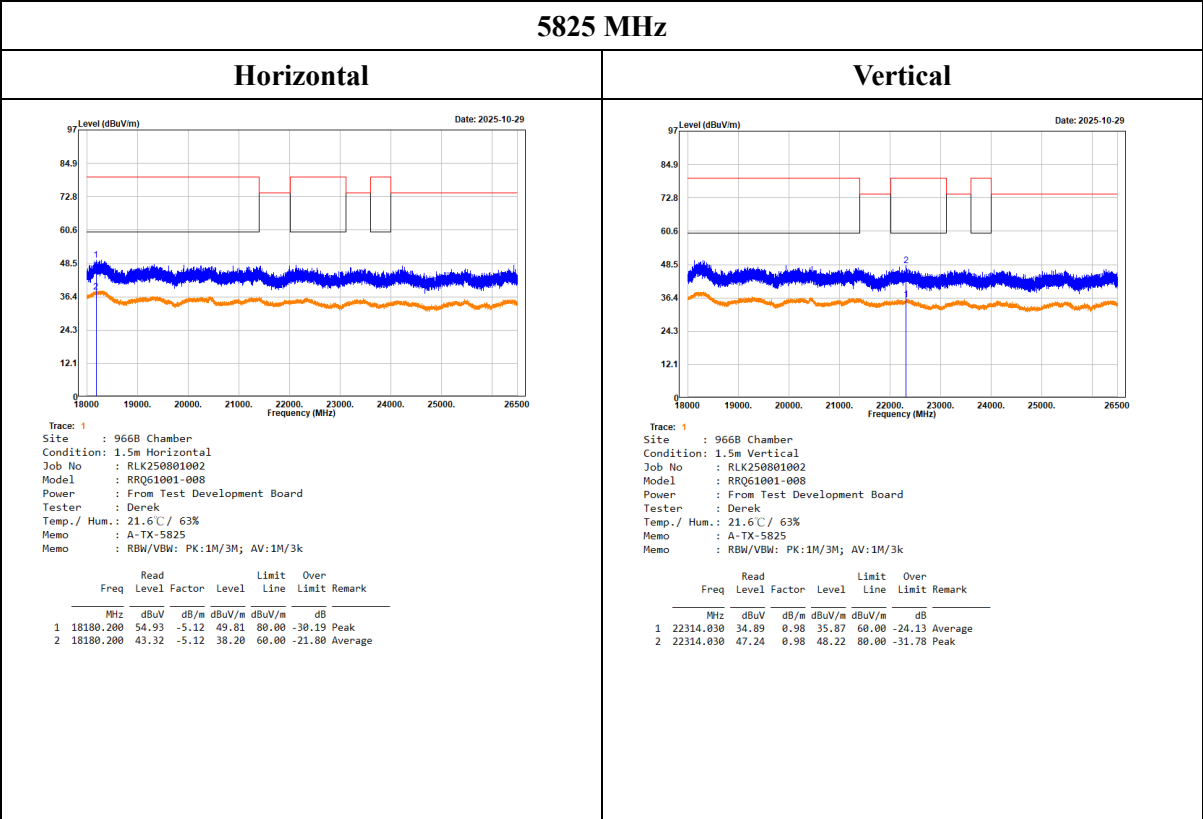
```
Trace: 1
Site      : 966B Chamber
Condition: 1.5m Vertical
Job No    : RLK250801002
Model     : RRQ61001-008
Power     : From Test Development Board
Tester    : Derek
Temp./ Hum.: 21.6°C / 63%
Memo      : N20-T-5300
Memo      : RBW/VBW: PK:1M/3M; AV:1M/5k
```

		Read		Limit	Over	
	Freq	Level	Factor	Level	Line	Limit Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB
1	21127.720	49.22	-1.02	48.20	80.00	-31.80 Peak
2	21127.720	36.17	-1.02	35.15	60.00	-24.85 Average

UNII-2C Band III 5470~5725 MHz (Worst case is 802.11n20 Mode)



UNII-3 Band IV 5725~5850 MHz (Worst case is 802.11a Mode)



Level = Reading + Factor.

Over Limit = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

For 18-26.5GHz Convert the test distance limit of 3 meters to a limit of 1.5 meter:

Conversion factor = 20 log (1.5m/3m) = 6 dB,

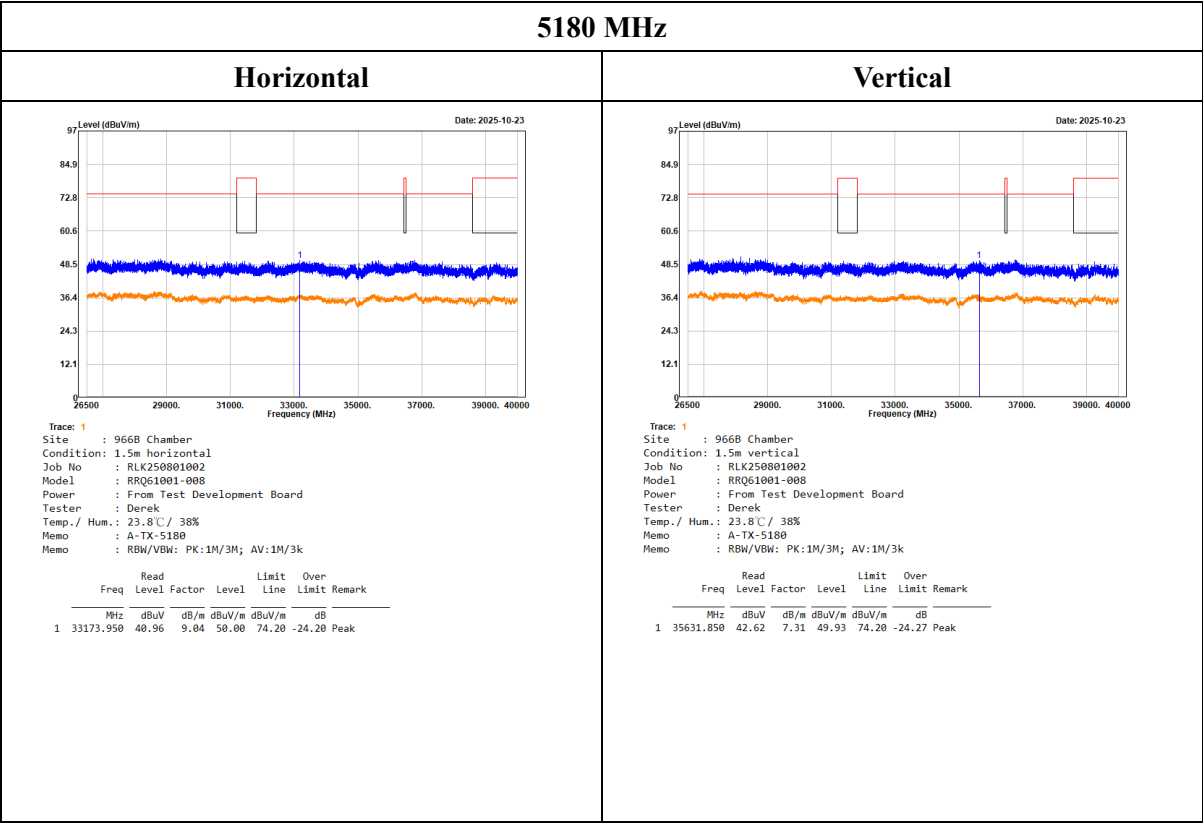
Average Limit = 54+6 = 60 dBuV/m@1.5m , Peak Limit = 60+20 = 80 dBuV/m@1.5m

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp.

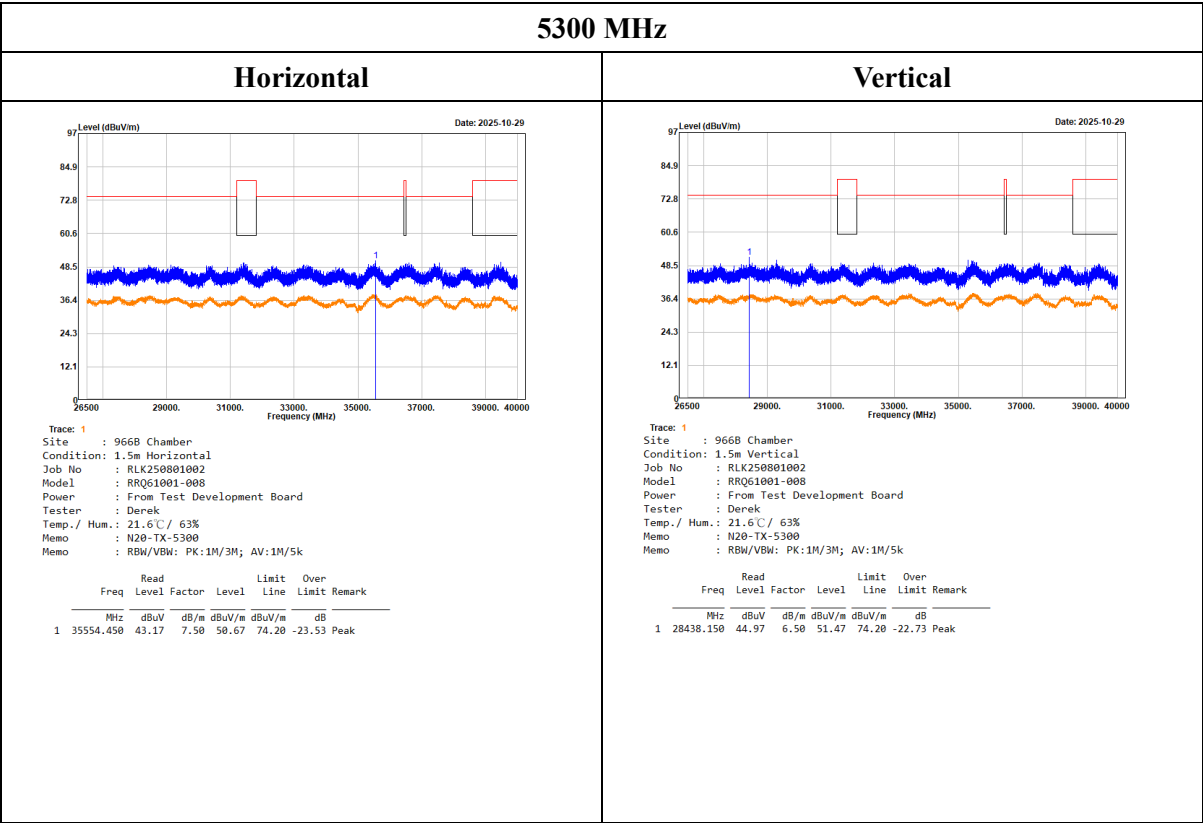
(Linkou Laboratory)

26.5GHz-40GHz:

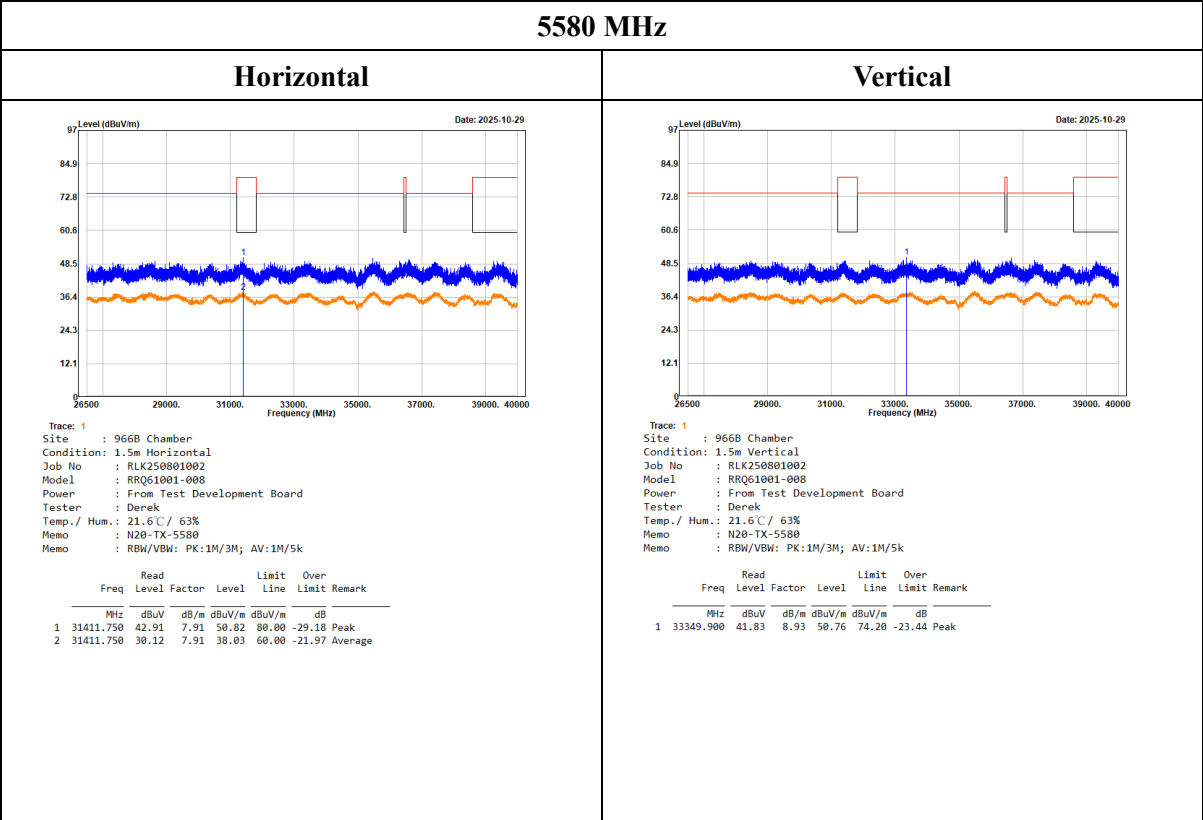
UNII-1 Band I 5150~5250 MHz (Worst case is 802.11a Mode)



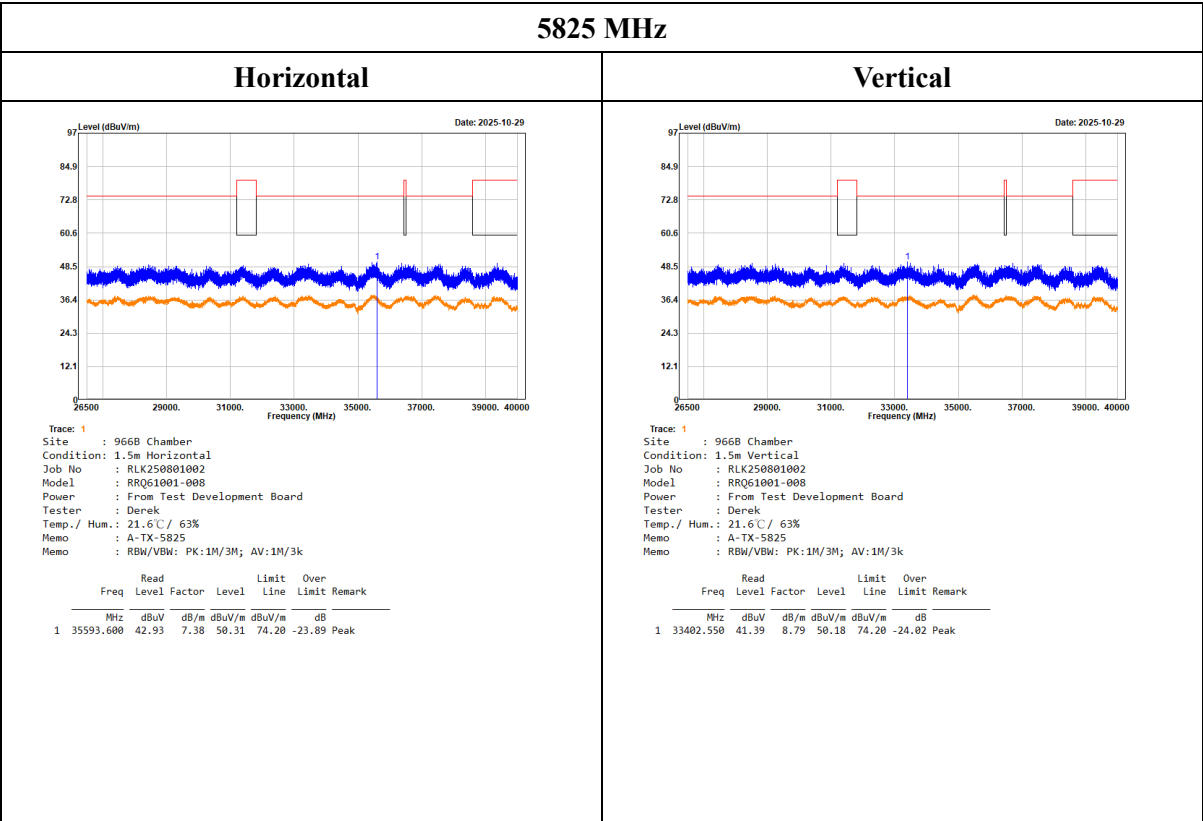
UNII-2A Band II 5250~5350 MHz (Worst case is 802.11 n20 Mode)



UNII-2C Band III 5470~5725 MHz (Worst case is 802.11n20 Mode)



UNII-3 Band IV 5725~5850 MHz (Worst case is 802.11a Mode)



Level = Reading + Factor.

Over Limit = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

For 26.5-40GHz Convert the test distance limit of 3 meters to a limit of 1.5 meter:

Conversion factor = 20 log (1.5m/3m) = 6 dB,

Average Limit = 54+6 = 60 dBuV/m@1.5m , Peak Limit = 60+20 = 80 dBuV/m@1.5m

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp.

(Linkou Laboratory)

8 FCC §15.407(a)(e) – Emission Bandwidth And Occupied Bandwidth

8.1 Applicable Standard

As per FCC §15.407(a): The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

As per FCC §15.407(e): for equipment operating in the band 5725 – 5850 MHz, the minimum 6 dB bandwidth of U-NII devices shall be 500 kHz.

8.2 Test Procedure

26dB Emission Bandwidth (EBW)

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

Minimum Emission Bandwidth for the band 5.725-5.85 GHz

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

99% Occupied Bandwidth:

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

The 99% occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. Measurement of the 99% occupied bandwidth is required only as a condition for using the optional band edge measurement techniques described in II.G.3.d). Measurements of 99% occupied bandwidth may also optionally be used in lieu of the EBW to define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in II.E.

However, the EBW must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with Section 15.407(a).

The following procedure shall be used for measuring (99%) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1% to 5% of the OBW
4. Set VBW $\geq 3 \times$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99% power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99% power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

8.3 Test Results

Test mode: Transmitting

5150-5250MHz

UNII Band	Mode	Channel	Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Emission Bandwidth (MHz)
UNII-1	802.11a	36	5180	36.90	21.76
		40	5200	39.10	21.82
		48	5240	32.80	17.32
	802.11 n20	36	5180	41.90	22.12
		40	5200	37.60	22.18
		48	5240	33.20	18.04
	802.11 ac20	36	5180	38.00	22.96
		40	5200	38.80	23.08
		48	5240	33.20	18.16
	802.11 ax20	36	5180	40.50	21.16
		40	5200	40.40	21.04
		48	5240	31.40	18.94

The 99% Occupied Bandwidth have not fallen into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.

5250-5350MHz

UNII Band	Mode	Channel	Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Emission Bandwidth (MHz)
UNII-2A	802.11a	52	5260	42.30	29.91
		60	5300	42.90	30.03
		64	5320	34.40	18.28
	802.11 n20	52	5260	48.20	32.43
		60	5300	47.90	32.43
		64	5320	37.30	21.88
	802.11 ac20	52	5260	45.70	29.25
		60	5300	45.60	28.65
		64	5320	35.60	18.88
	802.11 ax20	52	5260	44.60	27.99
		60	5300	45.50	27.99
		64	5320	32.80	19.12

5470-5725MHz

UNII Band	Mode	Channel	Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Emission Bandwidth (MHz)
UNII-2C	802.11a	100	5500	31.00	17.14
		116	5580	41.30	25.23
		136	5680	36.60	16.70
		140	5700	35.7	16.54
	802.11 n20	100	5500	30.70	17.92
		116	5580	42.20	26.37
		136	5680	37.60	17.74
		140	5700	35.9	17.62
	802.11 ac20	100	5500	32.60	17.98
		116	5580	41.40	25.95
		136	5680	39.40	17.78
		140	5700	36.5	17.66
	802.11 ax20	100	5500	27.10	18.88
		116	5580	42.60	25.05
		136	5680	38.00	18.78
		140	5700	31.7	18.74

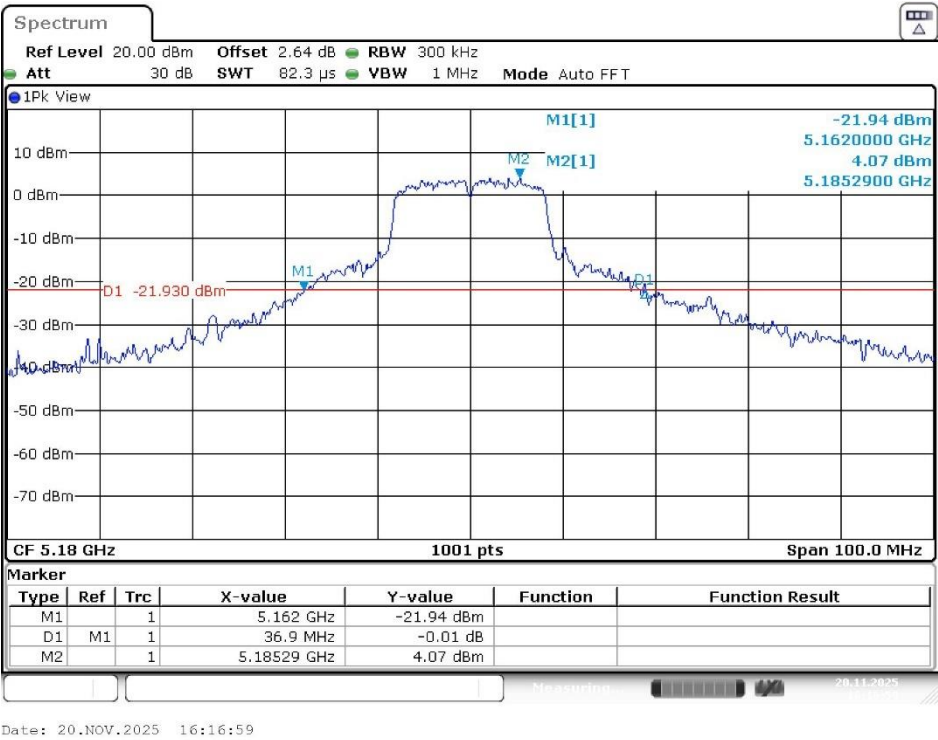
5725-5850MHz

UNII Band	Mode	Channel	Frequency (MHz)	6dB Emission Bandwidth (MHz)	99% Emission Bandwidth (MHz)	Limit (kHz)	Result
UNII-3	802.11a	149	5745	16.08	17.44	≥500	PASS
		157	5785	15.72	22.60	≥500	PASS
		165	5825	16.04	17.44	≥500	PASS
	802.11 n20	149	5745	16.28	18.16	≥500	PASS
		157	5785	16.32	23.08	≥500	PASS
		165	5825	16.08	22.72	≥500	PASS
	802.11 ac20	149	5745	16.56	18.22	≥500	PASS
		157	5785	16.08	23.68	≥500	PASS
		165	5825	16.08	23.02	≥500	PASS
	802.11 ax20	149	5745	17.00	19.00	≥500	PASS
		157	5785	16.64	22.36	≥500	PASS
		165	5825	16.20	22.36	≥500	PASS

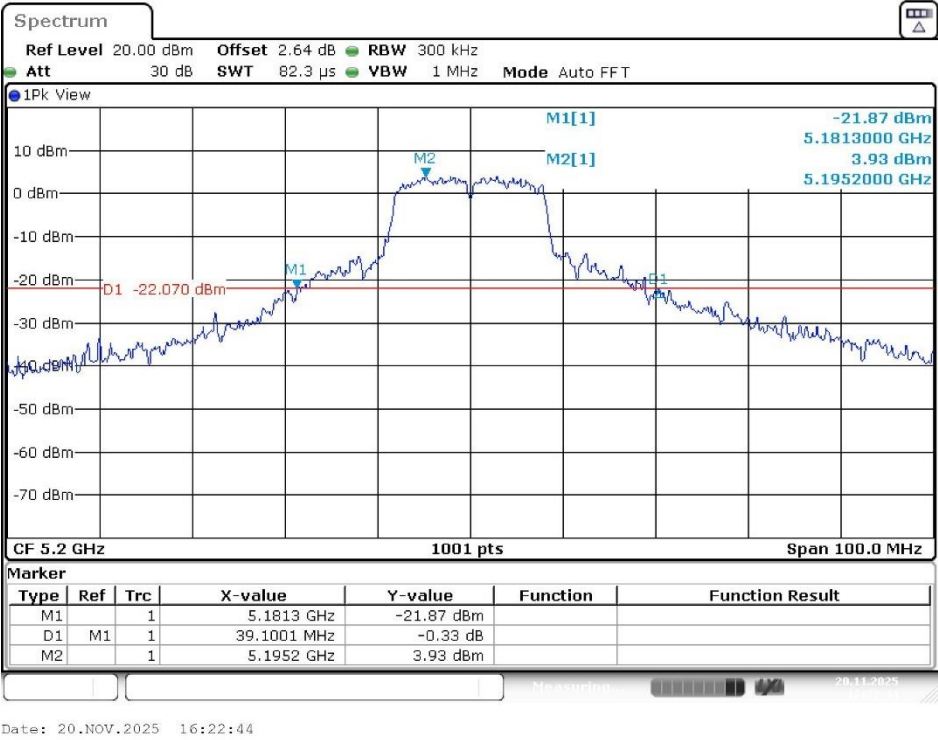
The 99% Occupied Bandwidth have not fallen into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth

802.11a Mode / 5150 ~ 5250MHz

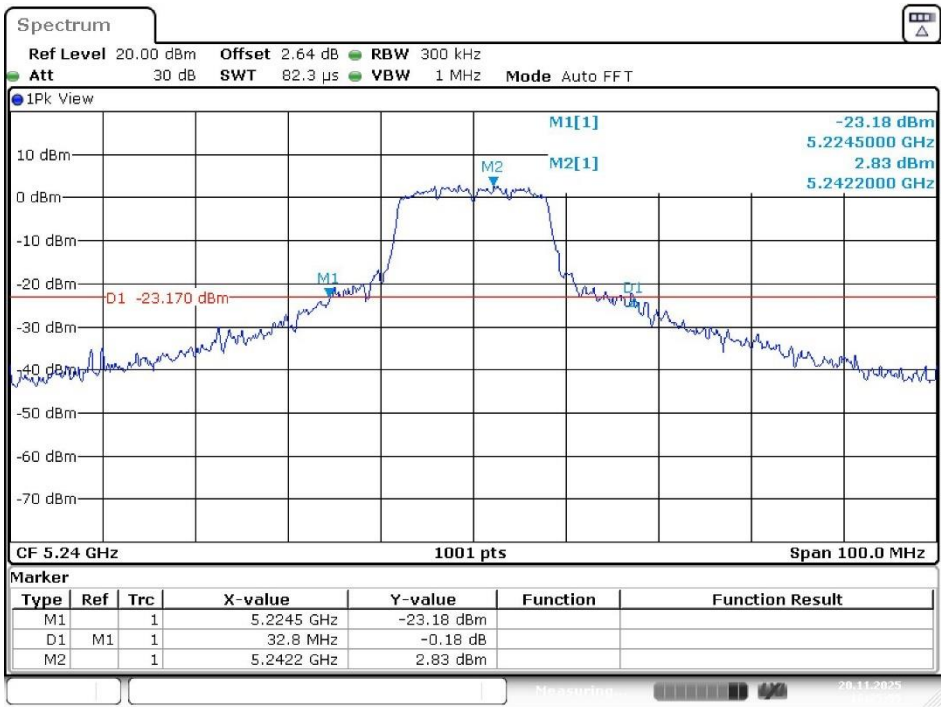
5180MHz



5200MHz



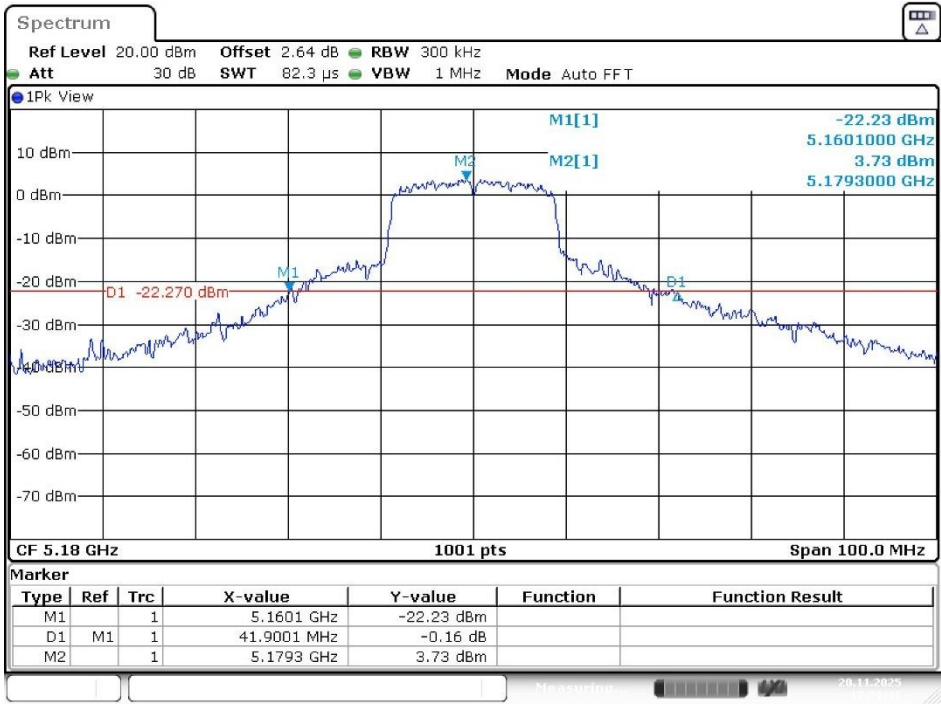
5240MHz



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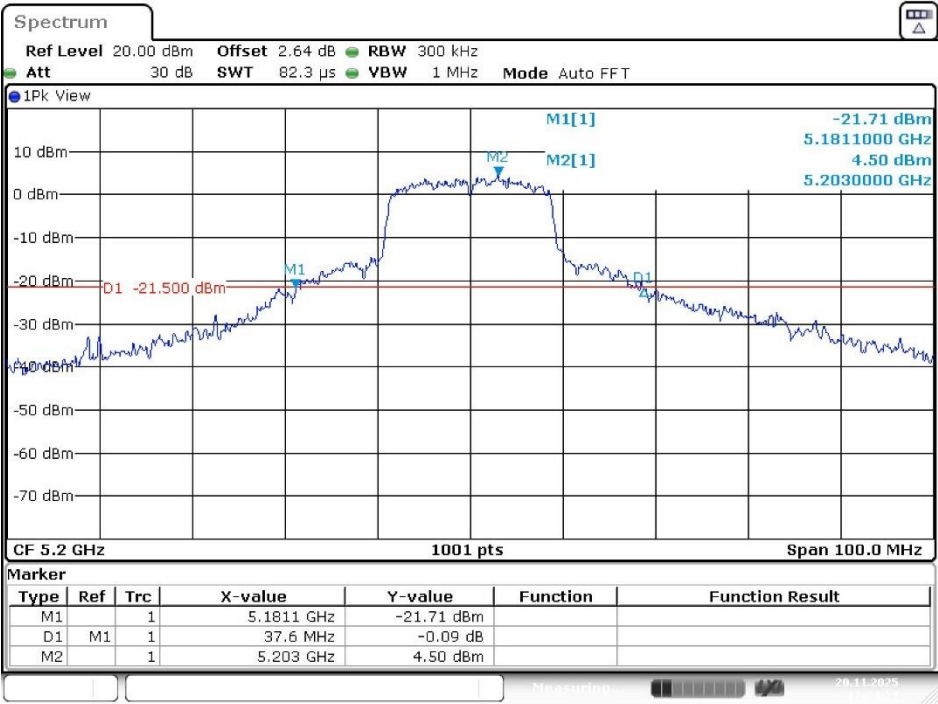
802.11 n20 Mode / 5150 ~ 5250MHz

5180MHz



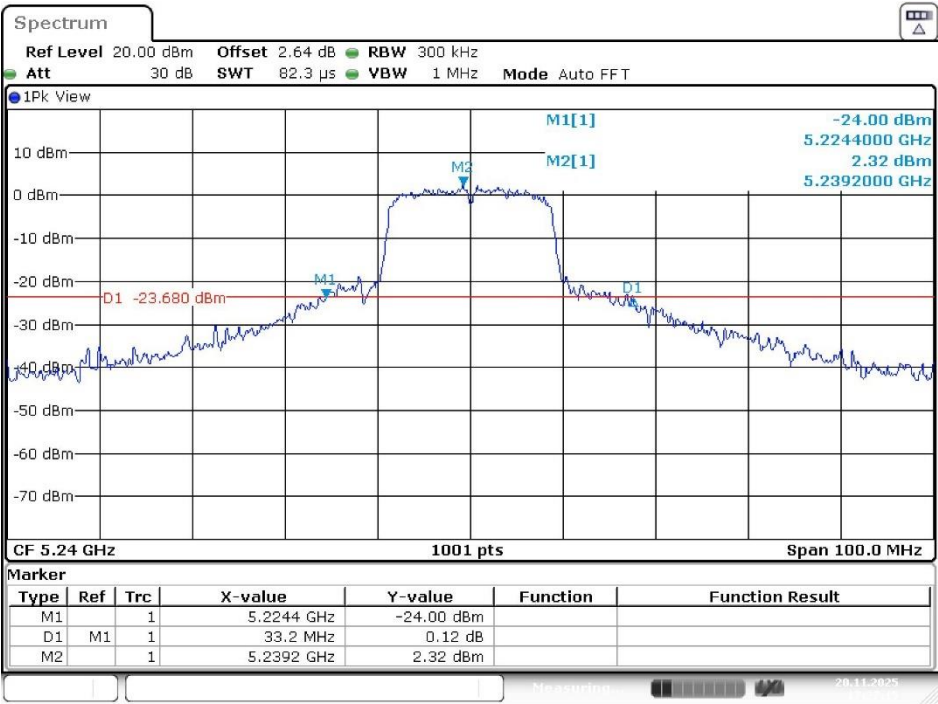
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5200MHz



Date: 20.NOV.2025 17:24:21

5240MHz



Date: 20.NOV.2025 17:27:15