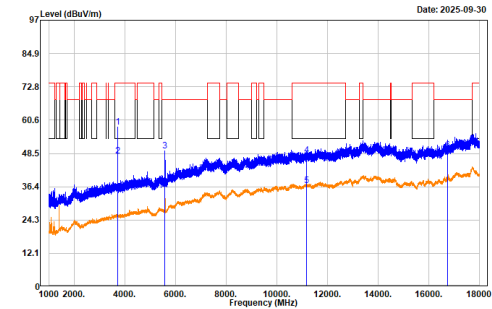


802.11 ac20 Mode, 5580 MHz

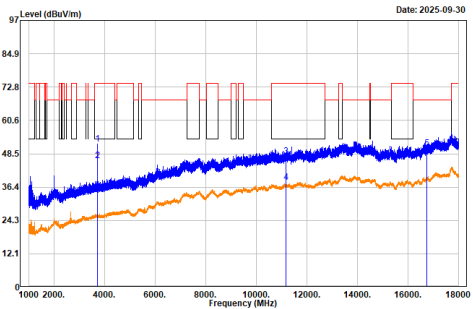
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0°C / 42%
Memo : AC20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read	Level	Factor	Level	Limit	Over	
	MHz	dBuV	dB/m		dBuV/m	dBuV/m	dB	Remark
1	3720.000	56.80	1.26	58.06	74.00	-15.94	Peak	
2	3720.000	46.30	1.26	47.56	54.00	-6.44	Average	
3	5576.967	44.53	4.88	49.41	68.20	-18.79	Peak	
4	11160.000	33.76	13.96	47.72	74.00	-26.28	Peak	
5	11160.000	22.86	13.96	36.82	54.00	-17.18	Average	
6	16740.000	33.51	16.30	49.81	68.20	-18.39	Peak	

Vertical

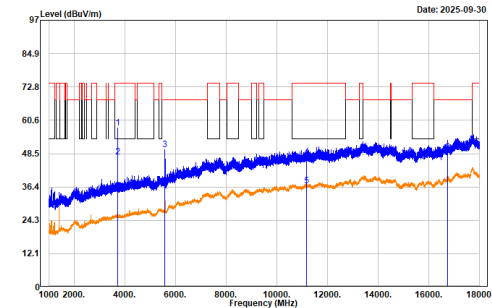


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0°C / 42%
Memo : AC20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read	Level	Factor	Level	Limit	Over	
	MHz	dBuV	dB/m		dBuV/m	dBuV/m	dB	Remark
1	3720.000	50.82	1.26	52.08	74.00	-21.92	Peak	
2	3720.000	44.79	1.26	46.05	54.00	-7.95	Average	
3	11160.000	33.69	13.96	47.65	74.00	-26.35	Peak	
4	11160.000	24.13	13.96	38.09	54.00	-15.91	Average	
5	16740.000	34.23	16.30	50.53	68.20	-17.67	Peak	

802.11 ax20 Mode, 5580 MHz

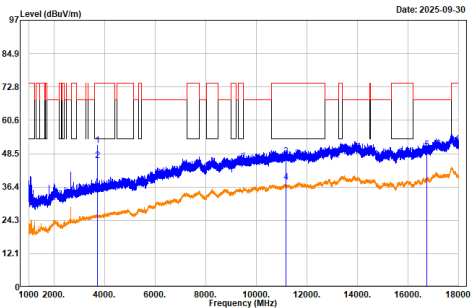
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0°C / 42%
Memo : AX20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read	Level	Factor	Level	Limit	Over	
	MHz	dBuV	dB/m		dBuV/m	dBuV/m	dB	Remark
1	3720.000	56.50	1.26	57.76	74.00	-16.24	Peak	
2	3720.000	46.07	1.26	47.33	54.00	-6.67	Average	
3	5579.233	44.97	4.88	49.85	68.20	-18.35	Peak	
4	11160.000	33.39	13.96	47.35	74.00	-26.65	Peak	
5	11160.000	22.79	13.96	36.75	54.00	-17.25	Average	
6	16740.000	32.92	16.30	49.22	68.20	-18.98	Peak	

Vertical

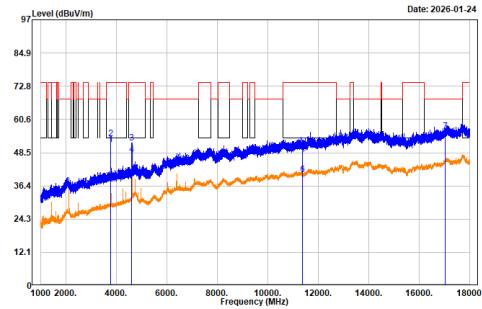


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 20.0°C / 42%
Memo : AX20-TX-5580
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read	Level	Factor	Level	Limit	Over	
	MHz	dBuV	dB/m		dBuV/m	dBuV/m	dB	Remark
1	3720.000	50.17	1.26	51.43	74.00	-22.57	Peak	
2	3720.000	44.75	1.26	46.01	54.00	-7.99	Average	
3	11160.000	33.74	13.96	47.70	74.00	-26.30	Peak	
4	11160.000	24.10	13.96	38.06	54.00	-15.94	Average	
5	16740.000	33.68	16.30	49.98	68.20	-18.22	Peak	

802.11a Mode, 5680 MHz

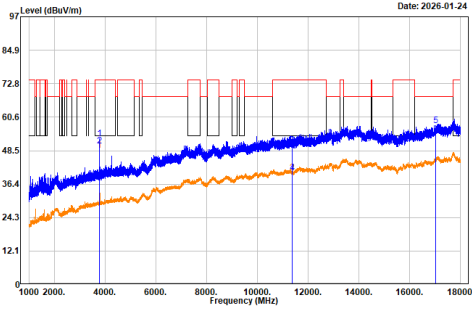
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 17.8°C/ 59%
Memo : A-TX-5680
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	3786.300	48.30	3.19	51.49	54.00	-2.51	Average
2	3786.867	50.53	3.19	53.72	74.00	-20.28	Peak
3	4614.767	47.65	4.51	52.16	74.00	-21.84	Peak
4	4614.767	43.25	4.51	47.76	54.00	-6.24	Average
5	11359.000	33.62	17.02	50.64	74.00	-23.36	Peak
6	11360.000	23.41	17.02	40.43	54.00	-13.57	Average
7	17040.000	35.74	20.60	56.34	68.20	-11.86	Peak

Vertical

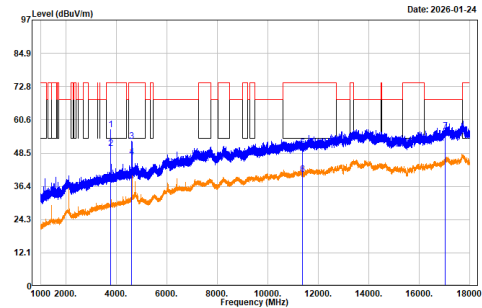


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 17.8°C/ 59%
Memo : A-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3786.300	49.66	3.19	52.85	74.00	-21.15	Peak
2	3786.300	46.97	3.19	50.16	54.00	-3.84	Average
3	11360.000	33.38	17.02	50.40	74.00	-23.60	Peak
4	11360.000	23.51	17.02	40.53	54.00	-13.47	Average
5	17040.000	36.88	20.60	57.48	68.20	-10.72	Peak

802.11 n20 Mode, 5680 MHz

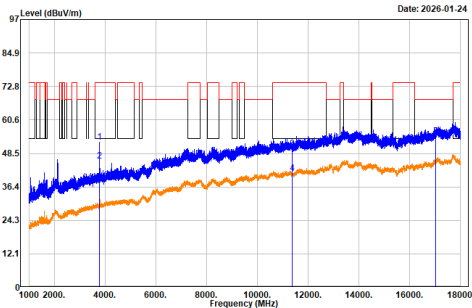
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 17.8°C/ 59%
Memo : N20-TX-5680
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	3786.867	53.84	3.19	57.03	74.00	-16.97	Peak
2	3786.867	46.95	3.19	50.14	54.00	-3.86	Average
3	4614.767	48.32	4.51	52.83	74.00	-21.17	Peak
4	4614.767	42.57	4.51	47.08	54.00	-6.92	Average
5	11360.000	33.36	17.02	50.38	74.00	-23.62	Peak
6	11360.000	23.80	17.02	40.82	54.00	-13.18	Average
7	17040.000	35.96	20.60	56.56	68.20	-11.64	Peak

Vertical

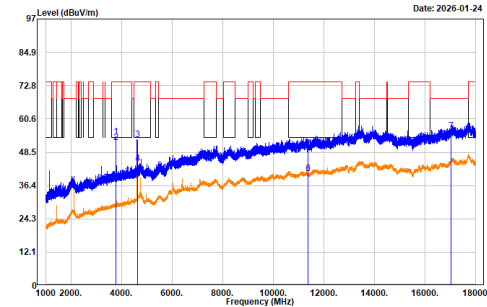


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 17.8°C/ 59%
Memo : N20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3786.867	49.38	3.19	52.57	74.00	-21.43	Peak
2	3786.867	42.61	3.19	45.80	54.00	-8.20	Average
3	11360.000	33.11	17.02	50.13	74.00	-23.87	Peak
4	11360.000	24.17	17.02	41.19	54.00	-12.81	Average
5	17040.000	34.12	20.60	54.72	68.20	-13.48	Peak

802.11 ac20 Mode, 5680 MHz

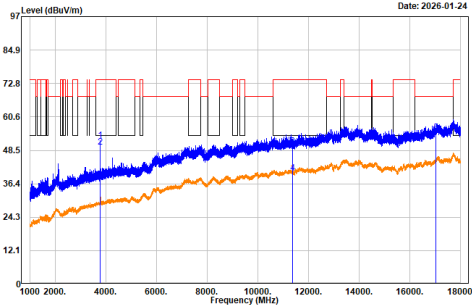
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 17.8C/ 59%
Memo : AC20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read			Limit	Over
Freq	Level	Factor	Level	Line	Limit
dBuV	dB/m	dBuV/m	dBuV/m	dB	Remark
1 3786.300	51.07	3.19	54.26	74.00	-19.74 Peak
2 3786.300	48.75	3.19	51.94	54.00	-2.06 Average
3 4617.600	48.59	4.53	53.12	74.00	-20.88 Peak
4 4617.600	39.87	4.53	44.40	54.00	-9.60 Average
5 11360.000	33.82	17.02	50.84	74.00	-23.16 Peak
6 11360.000	23.79	17.02	40.81	54.00	-13.19 Average
7 17040.000	35.71	20.60	56.31	68.20	-11.89 Peak

Vertical

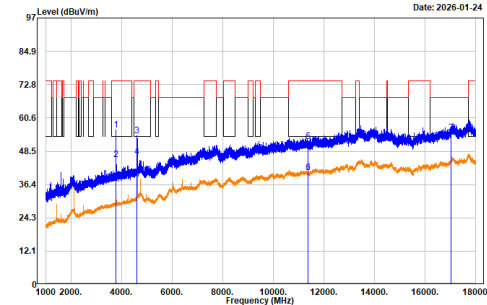


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 17.8C/ 59%
Memo : AC20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read			Limit	Over
Freq	Level	Factor	Level	Line	Limit
dBuV	dB/m	dBuV/m	dBuV/m	dB	Remark
1 3786.867	48.78	3.19	51.97	74.00	-22.03 Peak
2 3786.867	46.37	3.19	49.56	54.00	-4.44 Average
3 11360.000	32.91	17.02	49.93	74.00	-24.07 Peak
4 11360.000	23.28	17.02	40.30	54.00	-13.70 Average
5 17040.000	34.47	20.60	55.07	68.20	-13.13 Peak

802.11 ax20 Mode, 5680 MHz

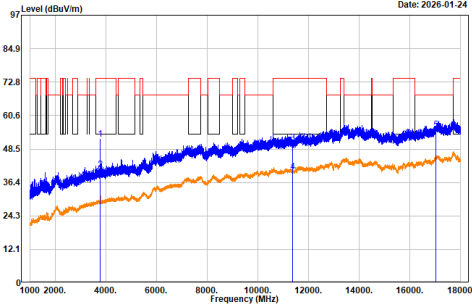
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 17.8C/ 59%
Memo : AX20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

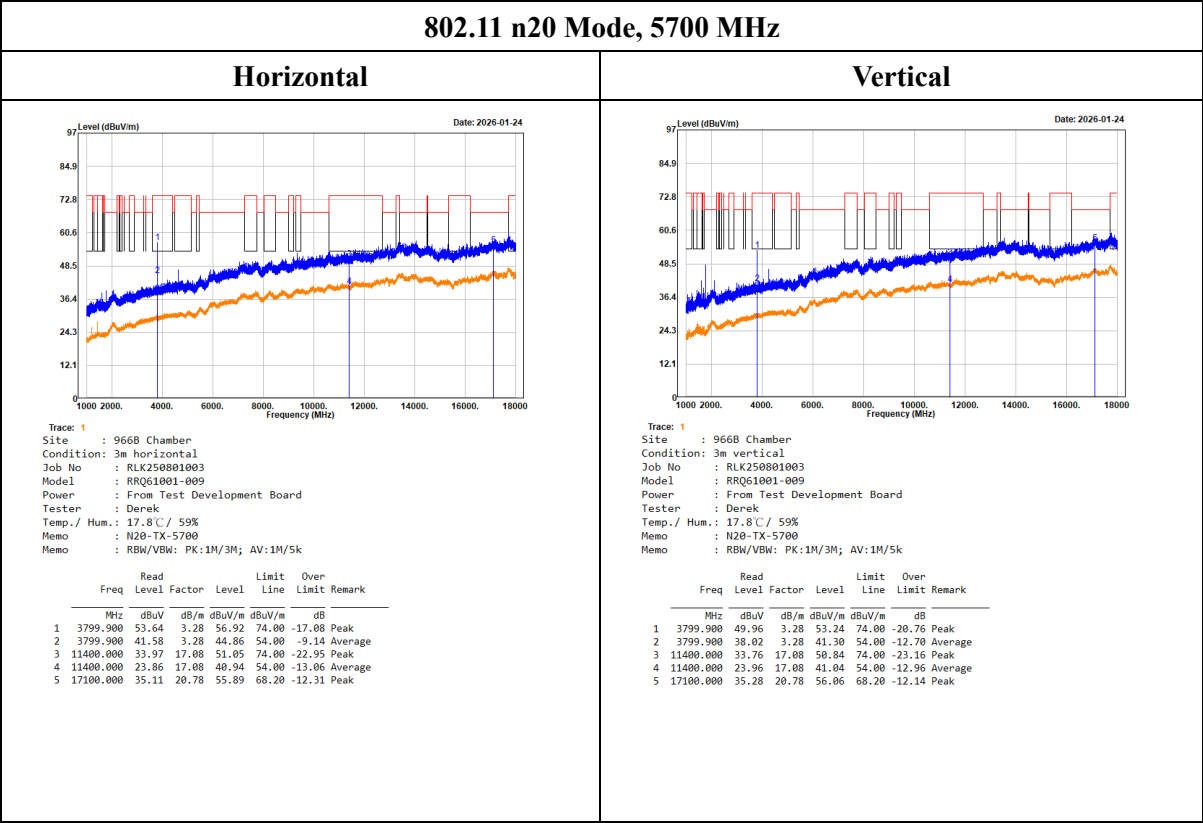
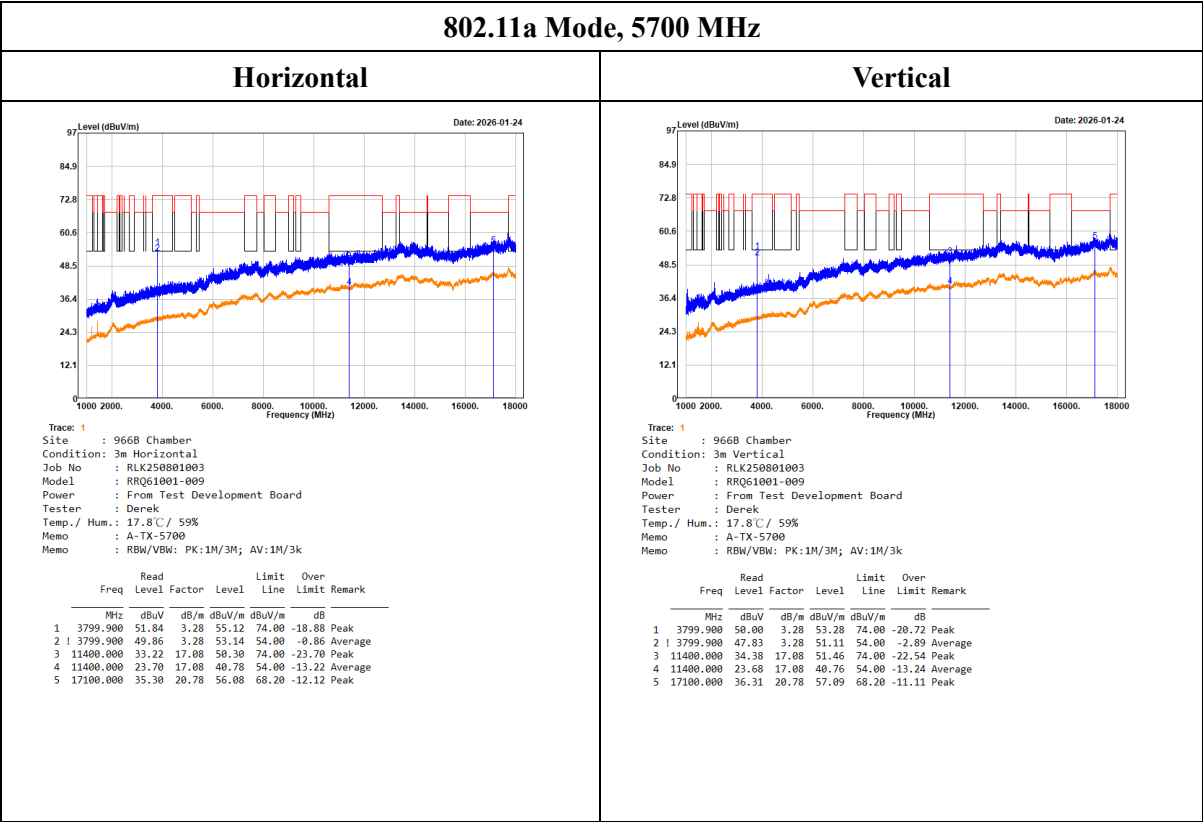
	Read			Limit	Over
Freq	Level	Factor	Level	Line	Limit
dBuV	dB/m	dBuV/m	dBuV/m	dB	Remark
1 3786.867	53.17	3.19	56.36	74.00	-17.64 Peak
2 3786.867	42.19	3.19	45.38	54.00	-8.62 Average
3 4614.767	49.71	4.51	54.22	74.00	-19.78 Peak
4 4614.767	41.91	4.51	46.42	54.00	-7.58 Average
5 11360.000	35.13	17.02	52.15	74.00	-21.85 Peak
6 11360.000	23.60	17.02	40.62	54.00	-13.38 Average
7 17040.000	34.54	20.60	55.14	68.20	-13.06 Peak

Vertical



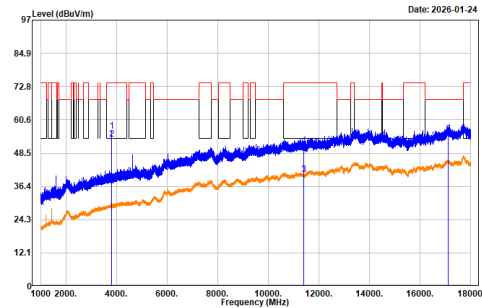
Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 17.8C/ 59%
Memo : AX20-TX-5680
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read			Limit	Over
Freq	Level	Factor	Level	Line	Limit
dBuV	dB/m	dBuV/m	dBuV/m	dB	Remark
1 3786.300	48.74	3.19	51.93	74.00	-22.07 Peak
2 3786.300	37.84	3.19	41.03	54.00	-12.97 Average
3 11360.000	33.84	17.02	50.86	74.00	-23.14 Peak
4 11360.000	23.27	17.02	40.29	54.00	-13.71 Average
5 17040.000	34.92	20.60	55.52	68.20	-12.68 Peak



802.11 ac20 Mode, 5700 MHz

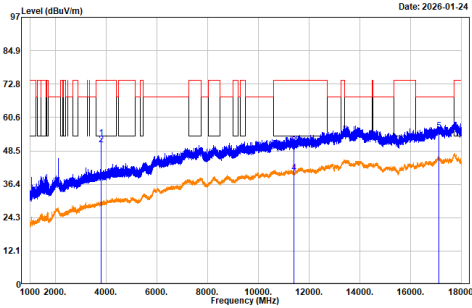
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 17.8°C/ 59%
Memo : AC20-TX-5700
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	dB	
1	3799.900	53.28	3.28	56.56	74.00	-17.44	Peak
2	3799.900	50.36	3.28	53.64	54.00	-0.36	Average
3	11400.000	23.56	17.08	40.64	54.00	-13.36	Average
4	11400.030	34.23	17.08	51.31	74.00	-22.69	Peak
5	17100.000	34.69	20.78	55.47	68.20	-12.73	Peak

Vertical

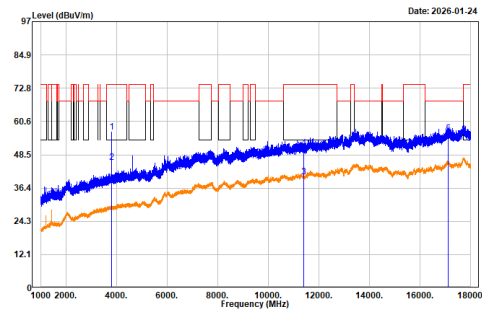


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 17.8°C/ 59%
Memo : AC20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV		dB/m	dBuV/m	dB	
1	3799.900	49.82	3.28	53.10	74.00	-20.90	Peak
2	3799.900	47.55	3.28	50.83	54.00	-3.17	Average
3	11400.000	33.51	17.08	50.59	74.00	-23.41	Peak
4	11400.000	23.36	17.08	40.44	54.00	-13.56	Average
5	17100.000	34.96	20.78	55.74	68.20	-12.46	Peak

802.11 ax20 Mode, 5700 MHz

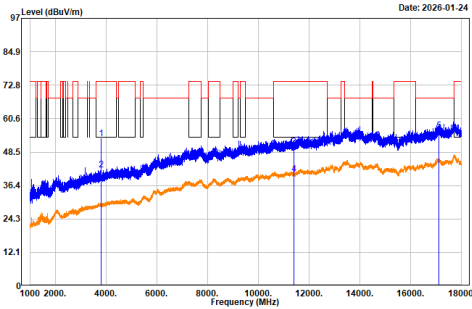
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 17.8°C/ 59%
Memo : AX20-TX-5700
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	dB	
1	3799.900	53.57	3.28	56.85	74.00	-17.15	Peak
2	3799.900	42.49	3.28	45.77	54.00	-8.23	Average
3	11400.000	23.31	17.08	40.39	54.00	-13.61	Average
4	11400.030	33.92	17.08	51.00	74.00	-23.00	Peak
5	17100.000	35.54	20.78	56.32	68.20	-11.88	Peak

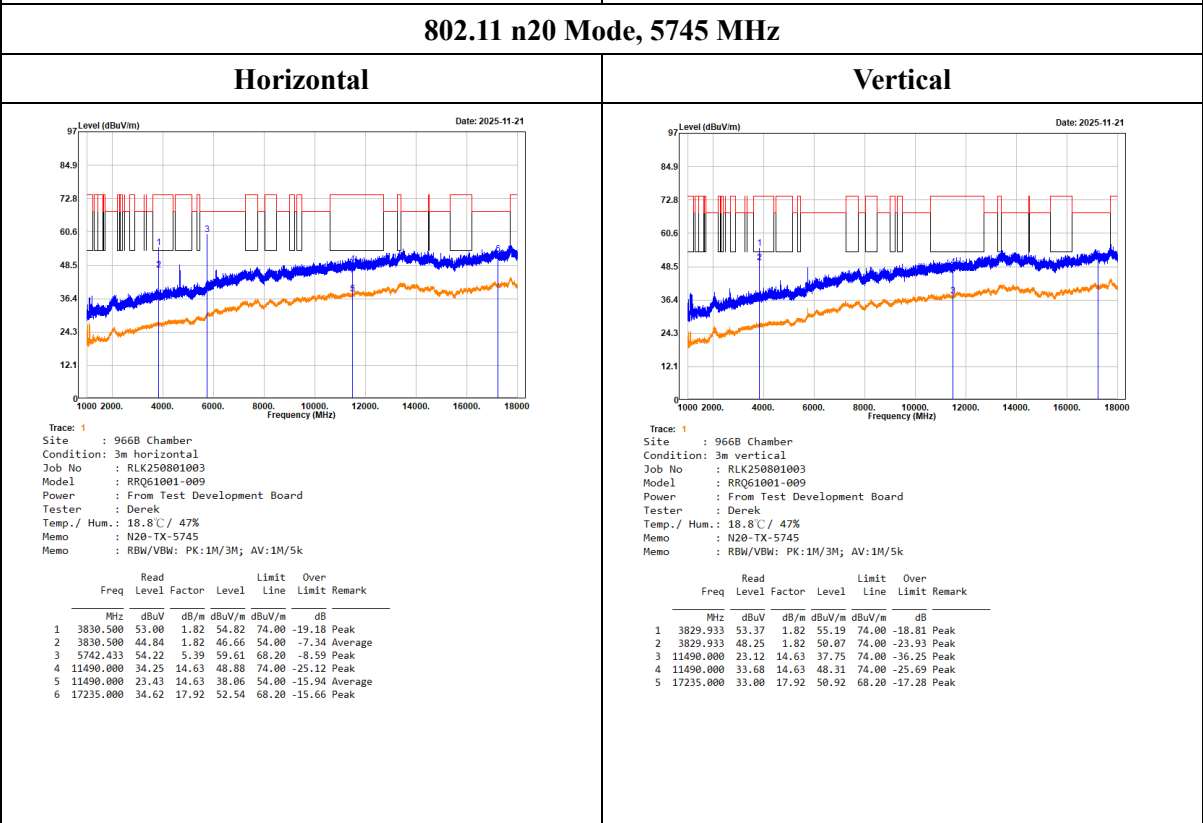
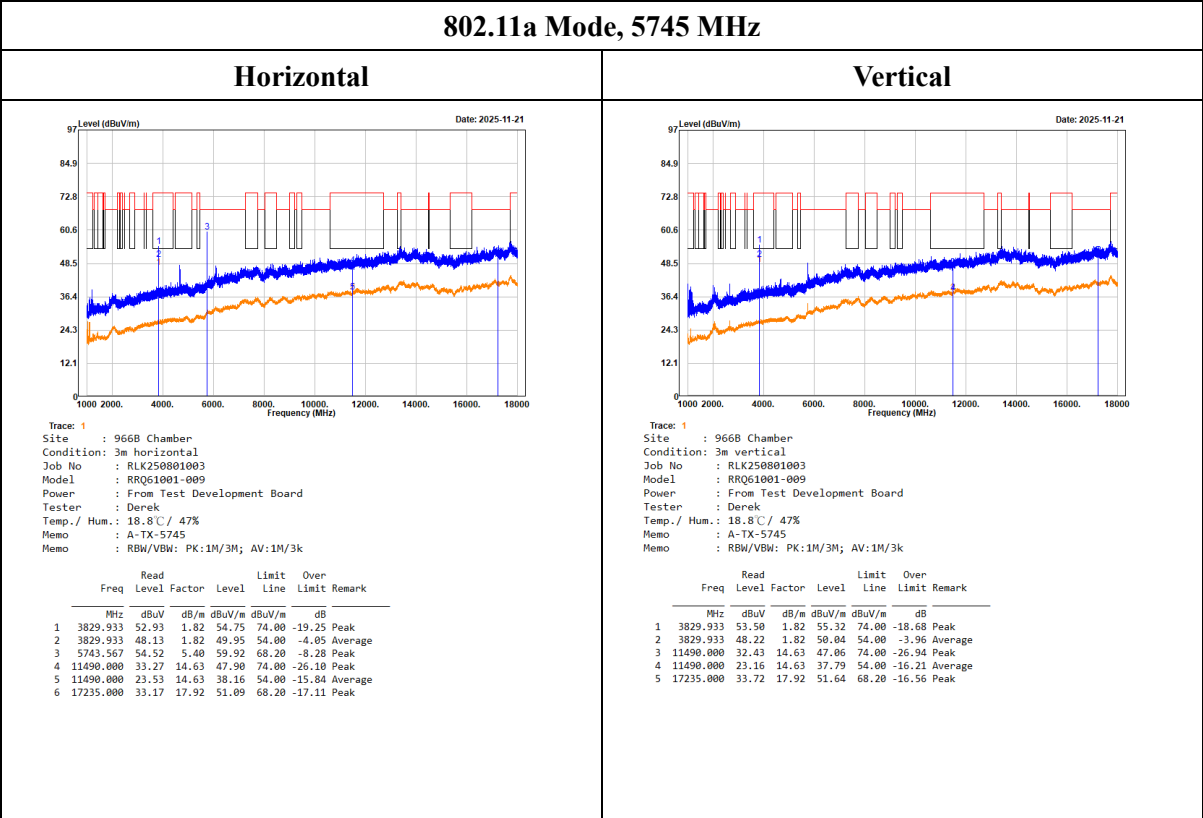
Vertical



Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 17.8°C/ 59%
Memo : AX20-TX-5700
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

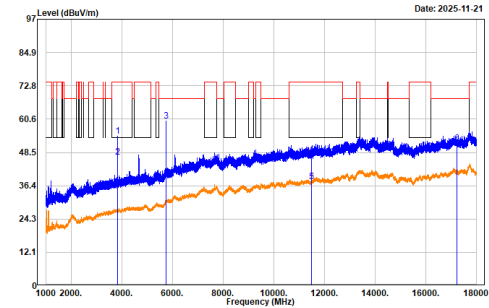
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV		dB/m	dBuV/m	dB	
1	3799.900	50.16	3.28	53.44	74.00	-20.56	Peak
2	3799.900	38.86	3.28	42.14	54.00	-11.86	Average
3	11400.000	33.41	17.08	50.49	74.00	-23.51	Peak
4	11400.000	23.29	17.08	40.37	54.00	-13.63	Average
5	17100.000	35.37	20.78	56.15	68.20	-12.05	Peak

UNII-3 Band IV 5725~5850 MHz



802.11 ac20 Mode, 5745 MHz

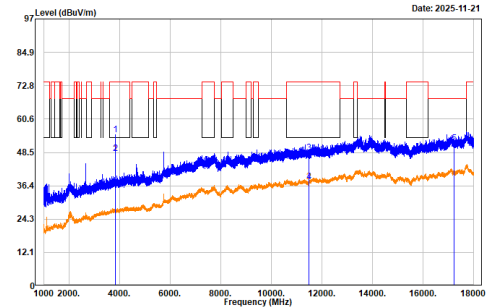
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
Memo : AC20-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV		dBm	dBuV/m	dB	
1	3829.933	52.65	1.82	54.47	74.00	-19.53	Peak
2	3829.933	45.03	1.82	46.85	54.00	-7.15	Average
3	5743.567	54.47	5.40	59.87	68.20	-8.33	Peak
4	11490.000	33.18	14.63	47.81	74.00	-26.19	Peak
5	11490.000	23.11	14.63	37.74	54.00	-16.26	Average
6	17235.000	33.88	17.92	51.80	68.20	-16.40	Peak

Vertical

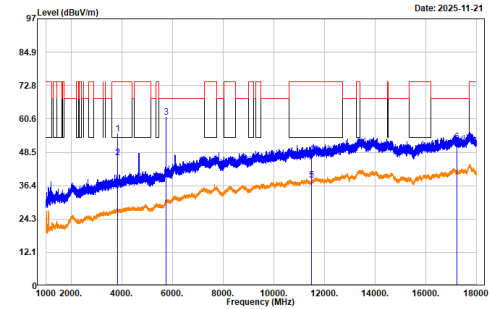


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
Memo : AC20-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV		dBm	dBuV/m	dB	
1	3829.933	53.24	1.82	55.06	74.00	-18.94	Peak
2	3829.933	46.22	1.82	48.04	54.00	-5.96	Average
3	11490.000	33.84	14.63	48.47	74.00	-25.53	Peak
4	11490.000	23.16	14.63	37.79	54.00	-16.21	Average
5	17235.000	34.00	17.92	51.92	68.20	-16.28	Peak

802.11 ax20 Mode, 5745 MHz

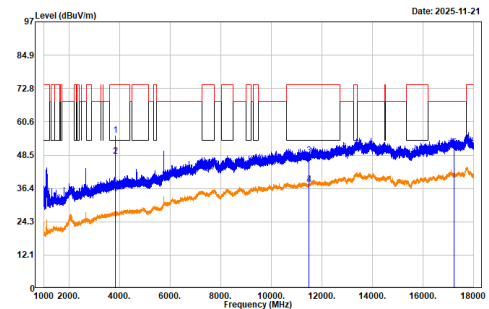
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
Memo : AX20-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV		dBm	dBuV/m	dB	
1	3829.933	53.49	1.82	55.31	74.00	-18.69	Peak
2	3829.933	44.82	1.82	46.64	54.00	-7.36	Average
3	5739.833	55.88	5.38	61.26	68.20	-6.94	Peak
4	11490.000	33.18	14.63	47.81	74.00	-26.19	Peak
5	11490.000	23.66	14.63	38.29	54.00	-15.71	Average
6	17235.000	34.26	17.92	52.18	68.20	-16.02	Peak

Vertical

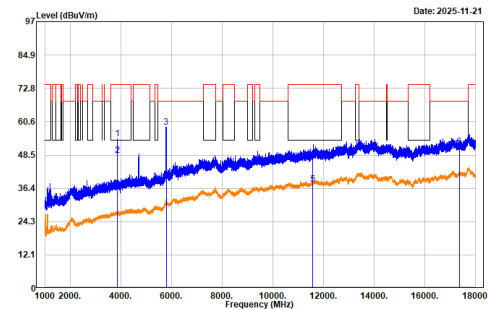


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
Memo : AX20-TX-5745
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV		dBm	dBuV/m	dB	
1	3829.933	54.01	1.82	55.83	74.00	-18.17	Peak
2	3829.933	46.21	1.82	48.03	54.00	-5.97	Average
3	11490.000	33.63	14.63	48.26	74.00	-25.74	Peak
4	11490.000	23.29	14.63	37.92	54.00	-16.08	Average
5	17235.000	33.22	17.92	51.14	68.20	-17.06	Peak

802.11a Mode, 5785 MHz

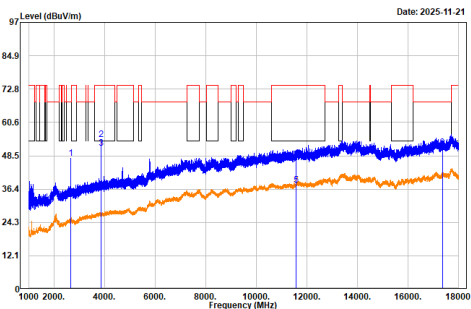
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
Memo : A-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV		dB/m	dBuV/m	dB	
1	3856.567	52.62	1.88	54.50	74.00	-19.50	Peak
2	3856.567	46.50	1.88	48.38	54.00	-5.62	Average
3	5787.200	53.00	5.61	58.69	68.20	-9.51	Peak
4	11570.000	32.23	14.72	46.95	74.00	-27.05	Peak
5	11570.000	23.09	14.72	37.81	54.00	-16.19	Average
6	17355.000	33.26	18.26	51.52	68.20	-16.68	Peak

Vertical

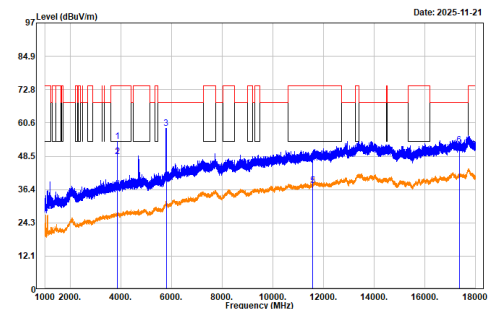


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
Memo : A-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV		dB/m	dBuV/m	dB	
1	2658.067	48.91	-1.32	47.59	68.20	-20.61	Peak
2	3857.133	52.46	1.88	54.34	74.00	-19.66	Peak
3	3857.133	49.40	1.88	51.28	54.00	-2.72	Average
4	11570.000	32.94	14.72	47.66	74.00	-26.34	Peak
5	11570.000	23.18	14.72	37.90	54.00	-16.10	Average
6	17355.000	33.35	18.26	51.61	68.20	-16.59	Peak

802.11 n20 Mode, 5785 MHz

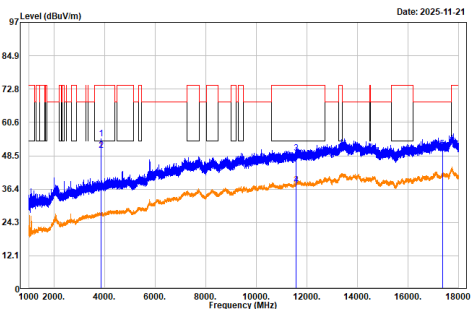
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
Memo : N20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV		dB/m	dBuV/m	dB	
1	3856.567	51.94	1.88	53.82	74.00	-20.18	Peak
2	3856.567	46.42	1.88	48.30	54.00	-5.70	Average
3	5787.200	53.03	5.61	58.64	68.20	-9.56	Peak
4	11570.000	32.32	14.72	47.04	74.00	-26.96	Peak
5	11570.000	23.18	14.72	37.90	54.00	-16.10	Average
6	17355.000	34.41	18.26	52.67	68.20	-15.53	Peak

Vertical

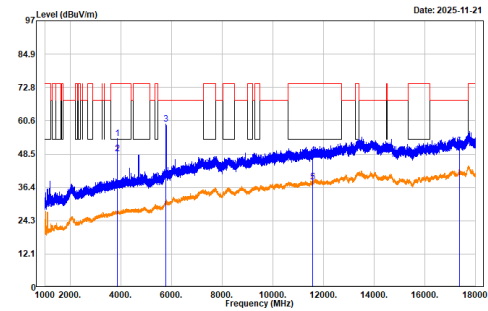


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
Memo : N20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/5k

	Freq	Read Level	Factor	Level	Limit	Over	Remark
	MHz	dBuV		dB/m	dBuV/m	dB	
1	3856.567	52.73	1.88	54.61	74.00	-19.39	Peak
2	3856.567	48.62	1.88	50.50	54.00	-3.50	Average
3	5787.200	53.03	5.61	58.64	68.20	-9.56	Peak
4	11570.000	32.32	14.72	47.04	74.00	-26.96	Peak
5	11570.000	23.18	14.72	37.90	54.00	-16.10	Average
6	17355.000	32.84	18.26	51.10	68.20	-17.10	Peak

802.11 ac20 Mode, 5785 MHz

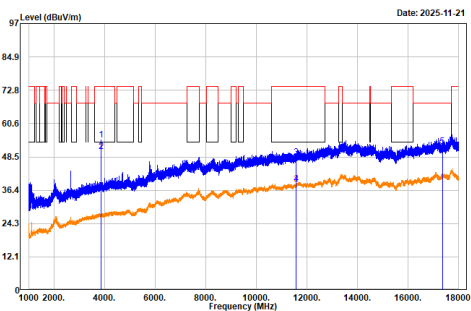
Horizontal



Trace: 1
Site : 9668 Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
Memo : AC20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read		Limit	Over	
Freq	Level	Factor	Level	Line	Limit Remark
Hz	dBuV		dB/m	dBuV/m	dB
1 3856.567	52.24	1.88	54.12	74.00	-19.88 Peak
2 3856.567	46.68	1.88	48.56	54.00	-5.44 Average
3 5782.667	53.86	5.58	59.44	68.20	-8.76 Peak
4 11570.000	33.39	14.72	48.11	74.00	-25.89 Peak
5 11570.000	23.64	14.72	38.36	54.00	-15.64 Average
6 17355.000	33.22	18.26	51.48	68.20	-16.72 Peak

Vertical

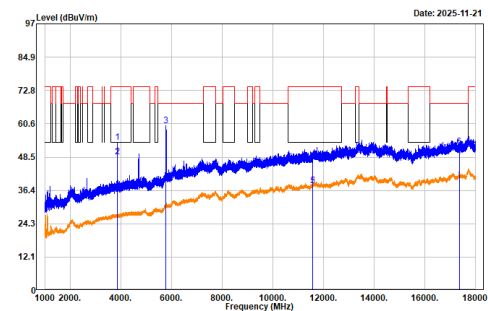


Trace: 1
Site : 9668 Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
Memo : AC20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read		Limit	Over	
Freq	Level	Factor	Level	Line	Limit Remark
Hz	dBuV		dB/m	dBuV/m	dB
1 3856.567	52.67	1.88	54.55	74.00	-19.45 Peak
2 3856.567	48.59	1.88	50.47	54.00	-3.53 Average
3 11570.000	33.75	14.72	48.47	74.00	-25.53 Peak
4 11570.000	23.94	14.72	38.66	54.00	-15.34 Average
5 17355.000	34.10	18.26	52.36	68.20	-15.84 Peak

802.11 ax20 Mode, 5785 MHz

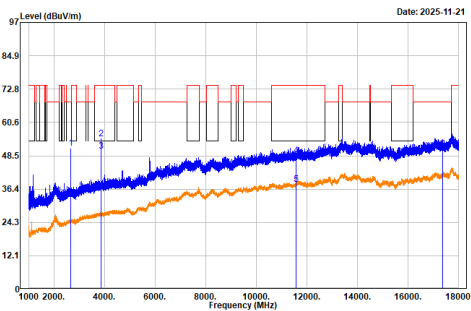
Horizontal



Trace: 1
Site : 9668 Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
Memo : AX20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

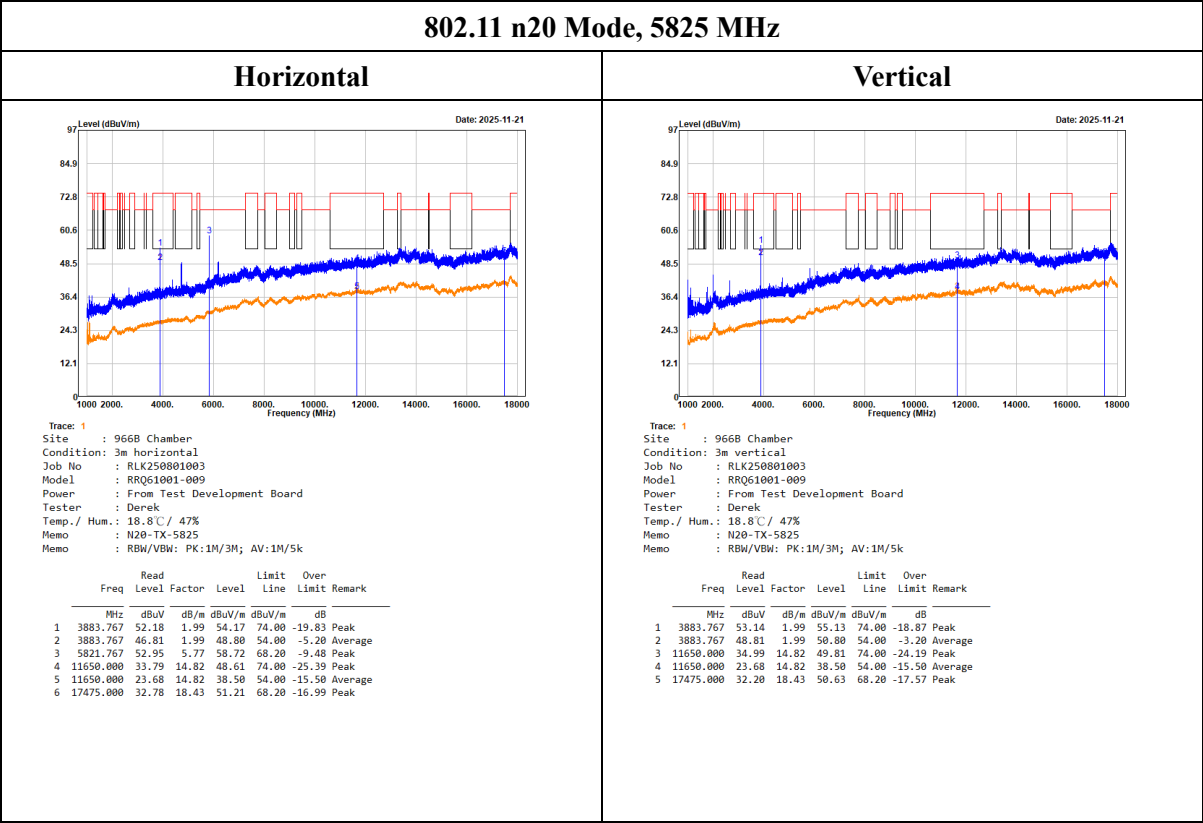
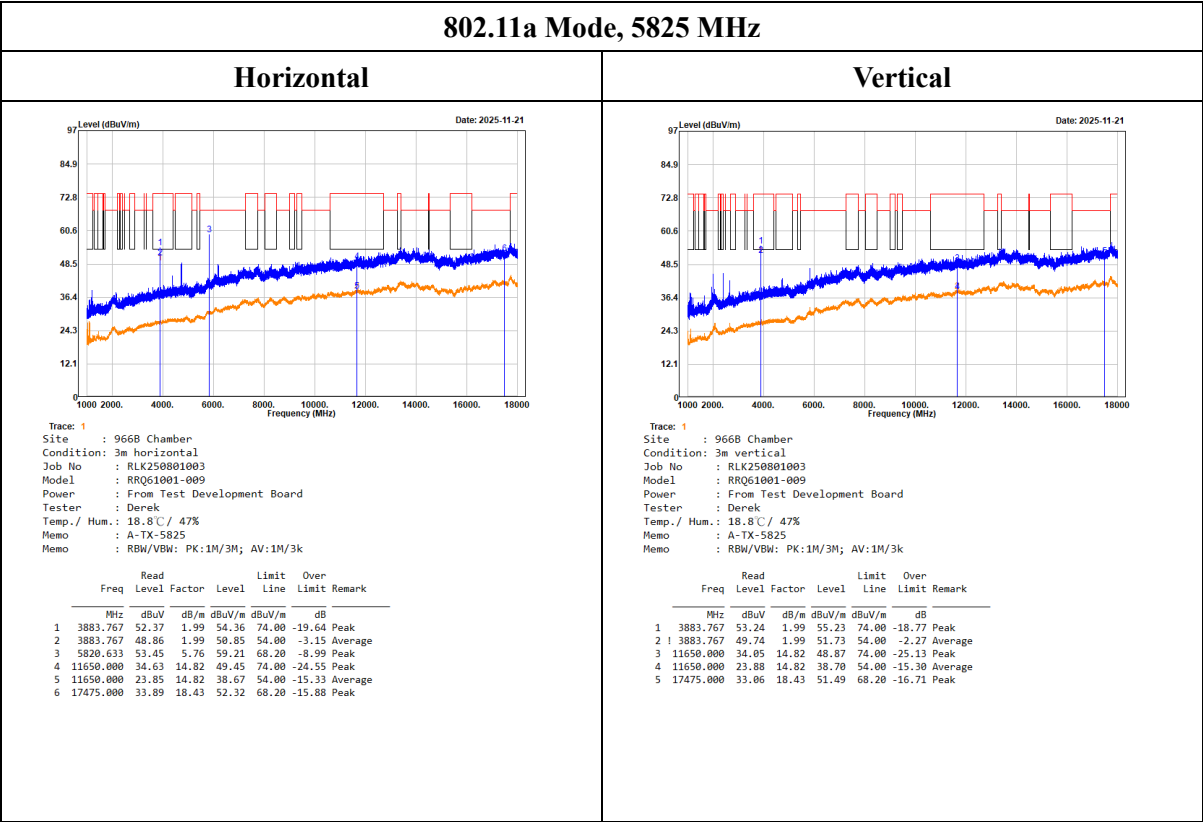
	Read		Limit	Over	
Freq	Level	Factor	Level	Line	Limit Remark
Hz	dBuV		dB/m	dBuV/m	dB
1 3856.567	52.09	1.88	53.97	74.00	-20.03 Peak
2 3856.567	46.72	1.88	48.60	54.00	-5.40 Average
3 5780.967	54.38	5.57	59.95	68.20	-8.25 Peak
4 11570.000	32.76	14.72	47.48	74.00	-26.52 Peak
5 11570.000	23.42	14.72	38.14	54.00	-15.86 Average
6 17355.000	34.03	18.26	52.29	68.20	-15.91 Peak

Vertical



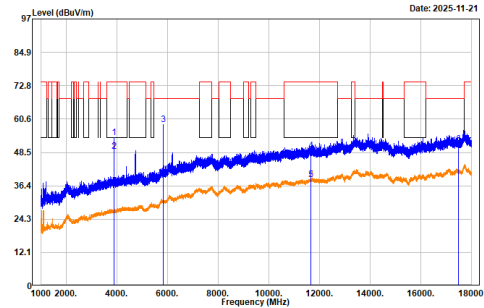
Trace: 1
Site : 9668 Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
Memo : AX20-TX-5785
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Read		Limit	Over	
Freq	Level	Factor	Level	Line	Limit Remark
Hz	dBuV		dB/m	dBuV/m	dB
1 2664.300	52.37	-1.19	51.18	68.20	-17.02 Peak
2 3856.567	52.81	1.88	54.69	74.00	-19.31 Peak
3 3856.567	48.37	1.88	50.25	54.00	-3.75 Average
4 11570.000	34.81	14.72	48.73	74.00	-25.27 Peak
5 11570.000	23.40	14.72	38.12	54.00	-15.88 Average
6 17355.000	32.65	18.26	50.91	68.20	-17.29 Peak



802.11 ac20 Mode, 5825 MHz

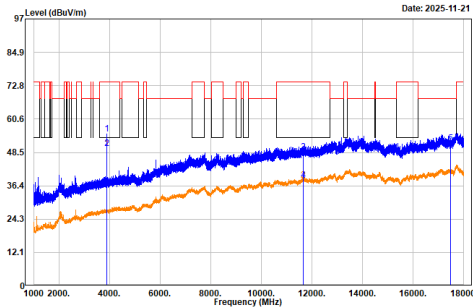
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
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	3883.767	51.95	1.99	53.94	74.00	-20.06	Peak
2	3883.767	46.86	1.99	48.85	54.00	-5.15	Average
3	5821.200	52.77	5.76	58.53	68.20	-9.67	Peak
4	11650.000	34.39	14.82	49.21	74.00	-24.79	Peak
5	11650.000	23.94	14.82	38.76	54.00	-15.24	Average
6	17475.000	33.10	18.43	51.53	68.20	-16.67	Peak

Vertical

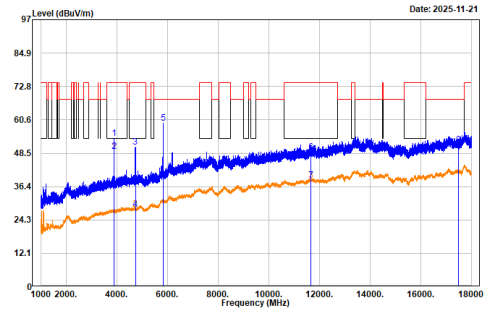


Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
Memo : AC20-TX-5825
Memo : RBW/VBW: PK:1M/3M; AV:1M/3k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	3883.767	53.27	1.99	55.26	74.00	-18.74	Peak
2	3883.767	48.02	1.99	50.01	54.00	-3.99	Average
3	11650.000	33.88	14.82	48.70	74.00	-25.30	Peak
4	11650.000	23.50	14.82	38.32	54.00	-15.68	Average
5	17475.000	33.27	18.43	51.70	68.20	-16.50	Peak

802.11 ax20 Mode, 5825 MHz

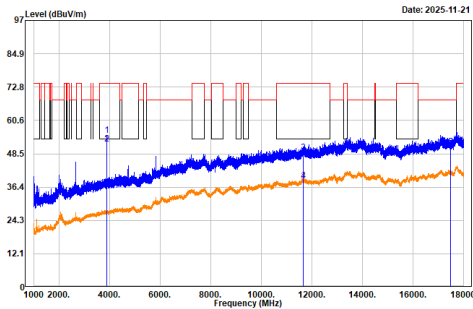
Horizontal



Trace: 1
Site : 966B Chamber
Condition: 3m horizontal
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
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	3883.767	51.86	1.99	53.85	74.00	-20.15	Peak
2	3883.767	47.09	1.99	49.08	54.00	-4.92	Average
3	4730.367	47.68	3.05	50.73	74.00	-23.27	Peak
4	4730.367	25.00	3.05	28.05	54.00	-25.95	Average
5	5826.300	53.52	5.79	59.31	68.20	-8.89	Peak
6	11650.000	34.17	14.82	48.99	74.00	-25.01	Peak
7	11650.000	23.86	14.82	38.68	54.00	-15.32	Average
8	17475.000	33.02	18.43	51.45	68.20	-16.75	Peak

Vertical



Trace: 1
Site : 966B Chamber
Condition: 3m vertical
Job No : RLK250801003
Model : RRQ61001-009
Power : From Test Development Board
Tester : Derek
Temp./ Hum.: 18.8°C / 47%
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	3883.767	53.23	1.99	55.22	74.00	-18.78	Peak
2	3883.767	49.95	1.99	51.94	54.00	-2.06	Average
3	11650.000	34.17	14.82	48.99	74.00	-25.01	Peak
4	11650.000	23.73	14.82	38.55	54.00	-15.45	Average
5	17475.000	32.64	18.43	51.07	68.20	-17.13	Peak

Level = Reading + Factor.

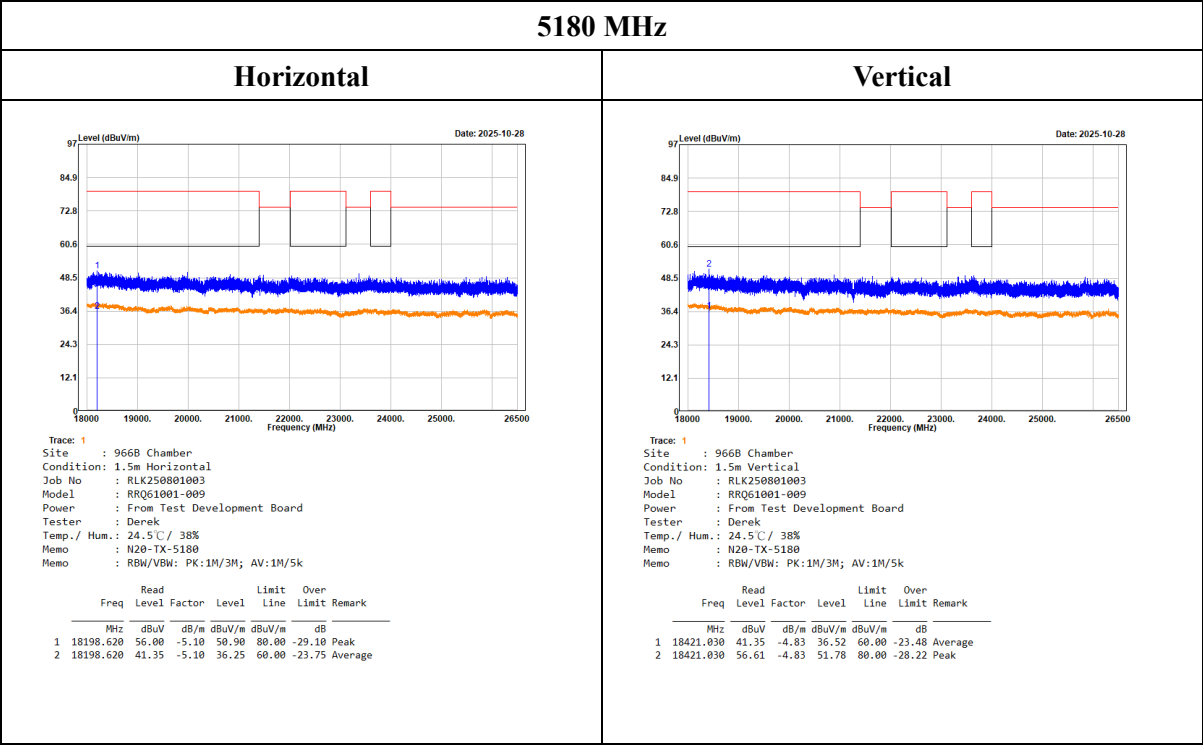
Over Limit = Level – Limit Line.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

18GHz-26.5GHz:

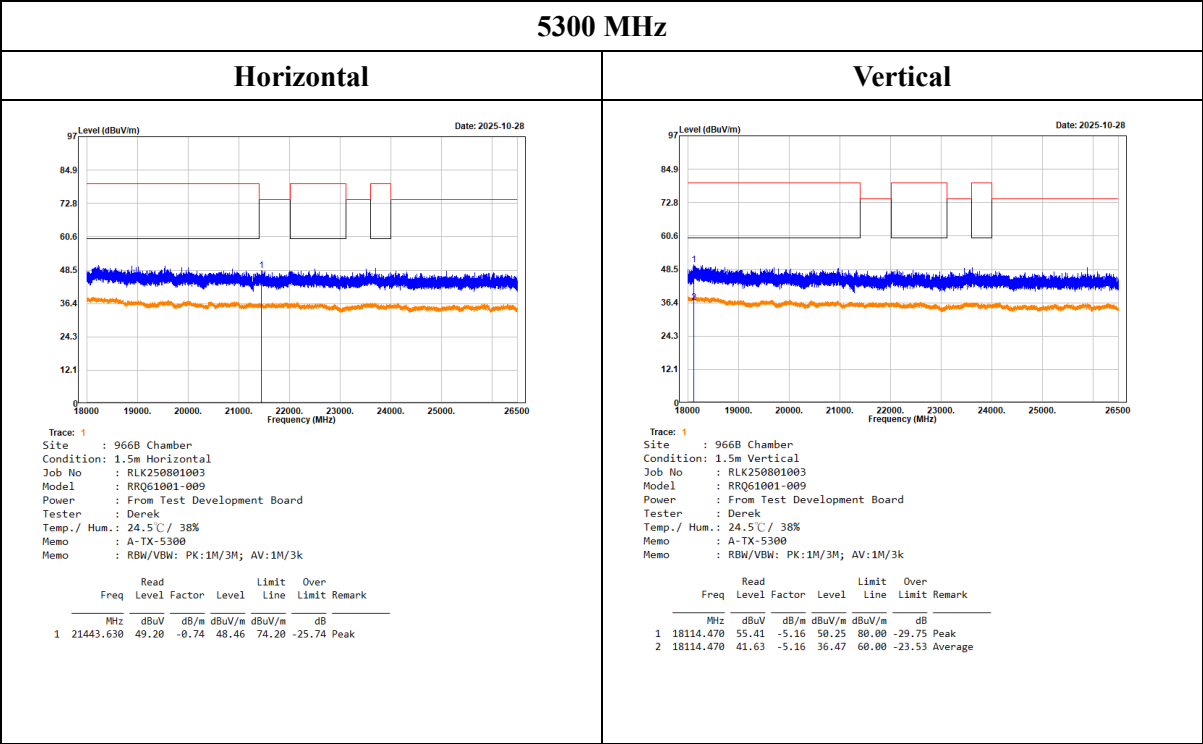
UNII-1 Band I 5150~5250 MHz

(Worst case is 802.11 n20 Mode)



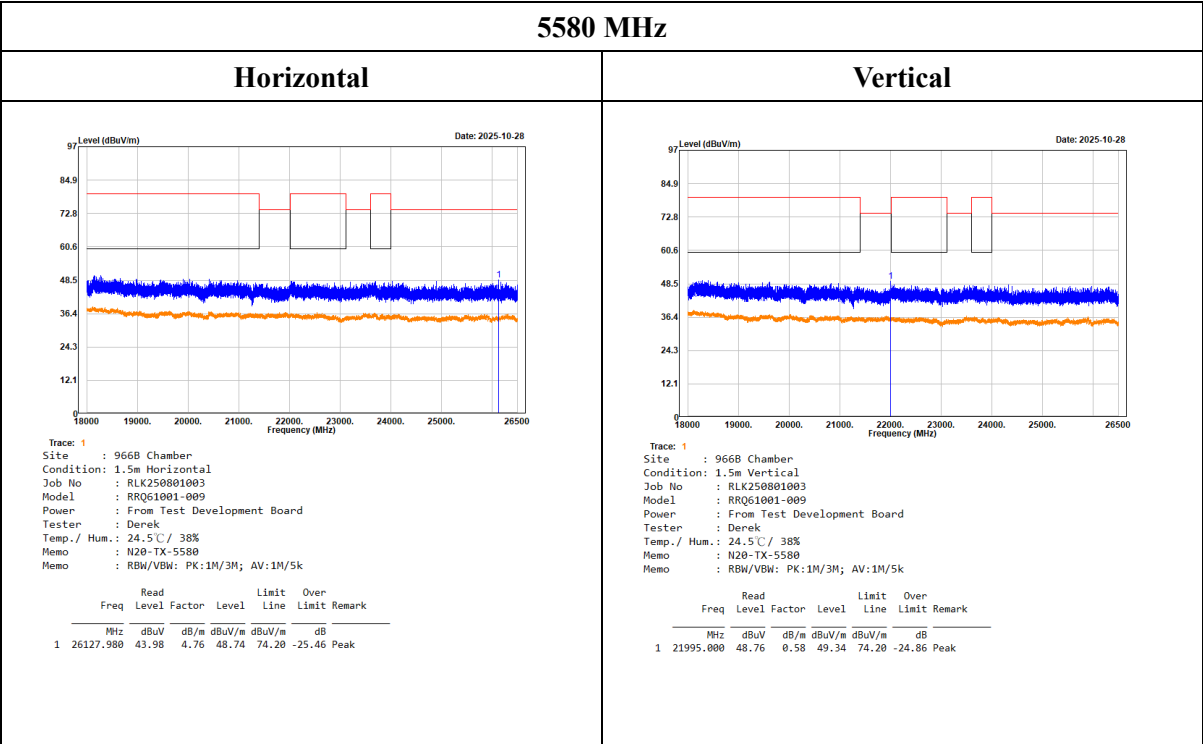
UNII-2A Band II 5250~5350 MHz

(Worst case is 802.11a Mode)



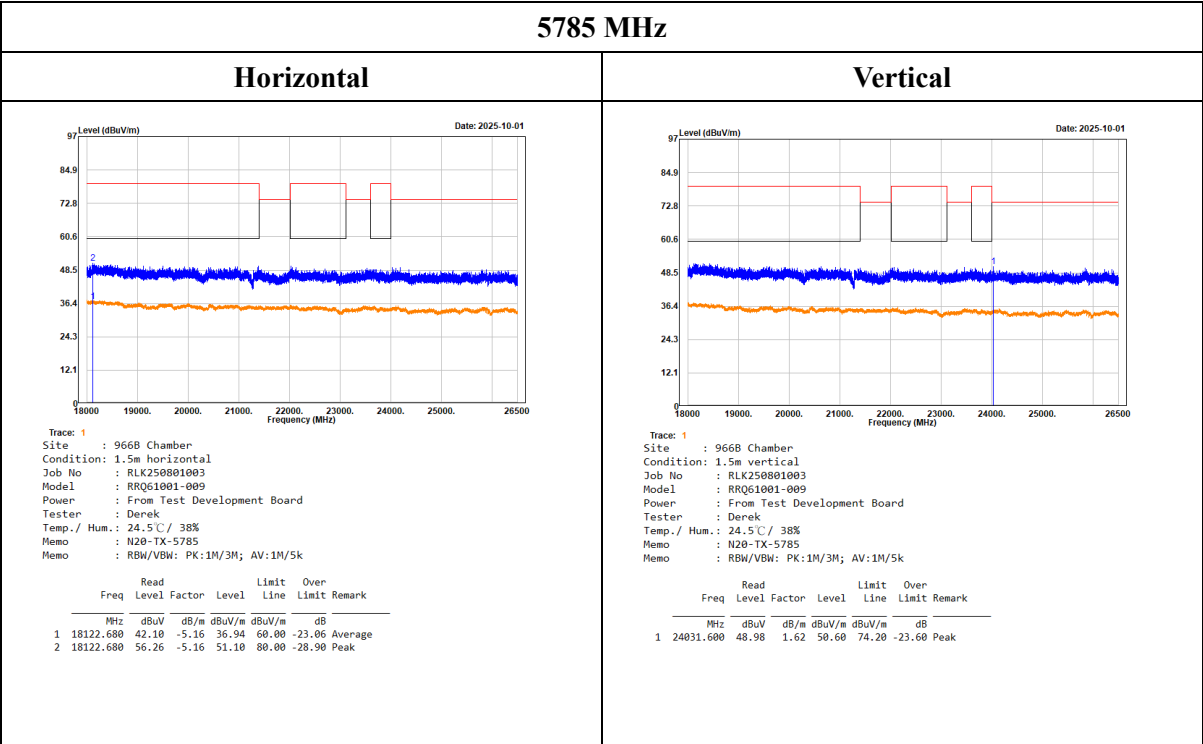
UNII-2C Band III 5470~5725 MHz

(Worst case is 802.11 n20 Mode)



UNII-3 Band IV 5725~5850 MHz

(Worst case is 802.11n20 Mode)



Level = Reading + Factor.

Over Limit = Level – Limit Line.

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:

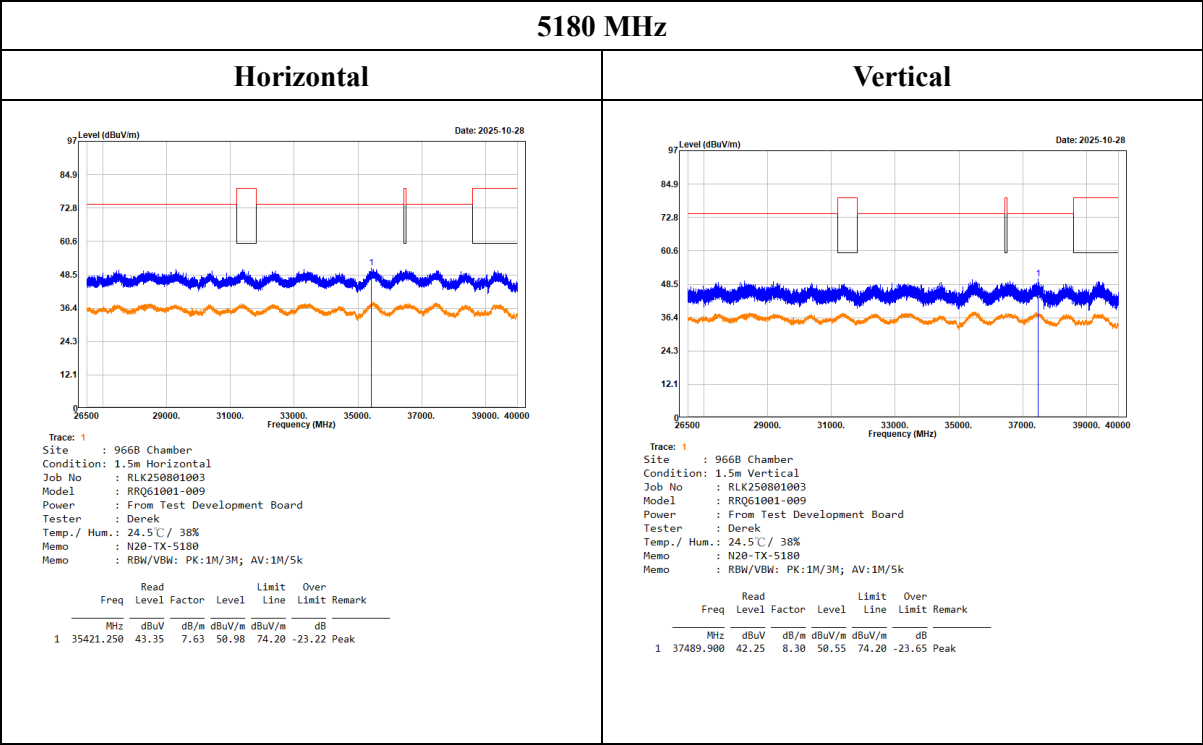
Conversion factor = 20 log (1.5m/3m) = 6 dB,

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

26.5GHz-40GHz:

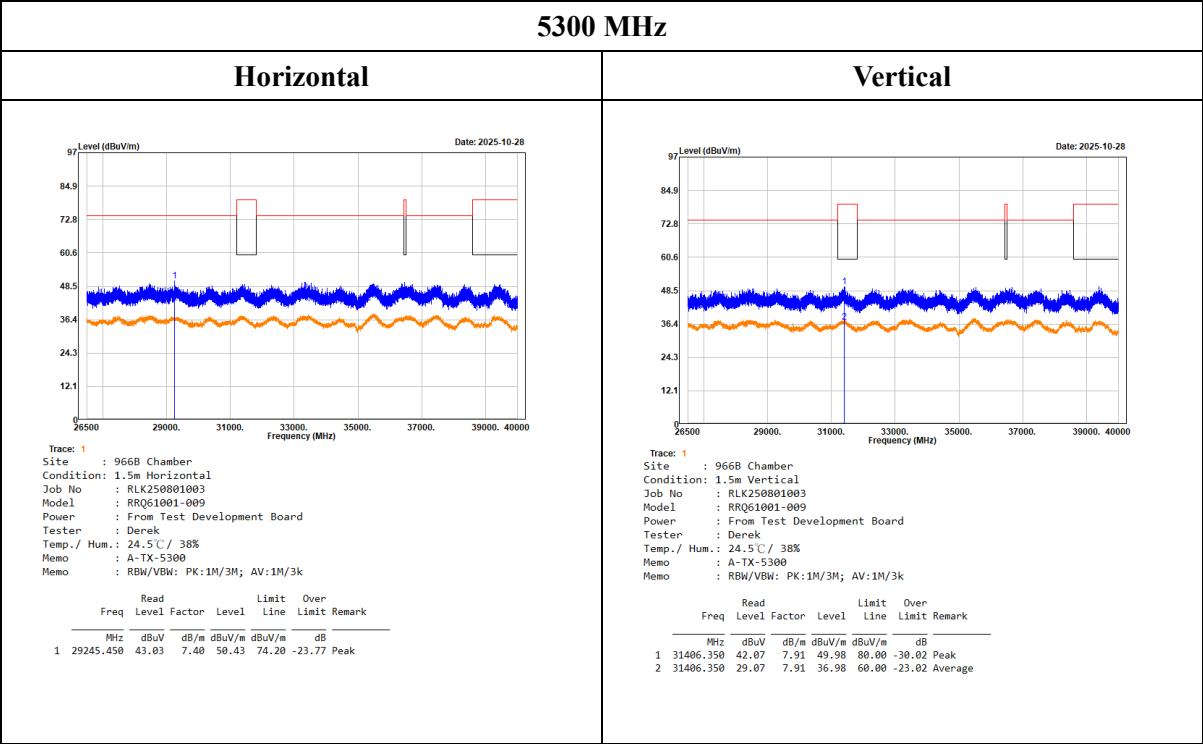
UNII-1 Band I 5150~5250 MHz

(Worst case is 802.11 n20 Mode)



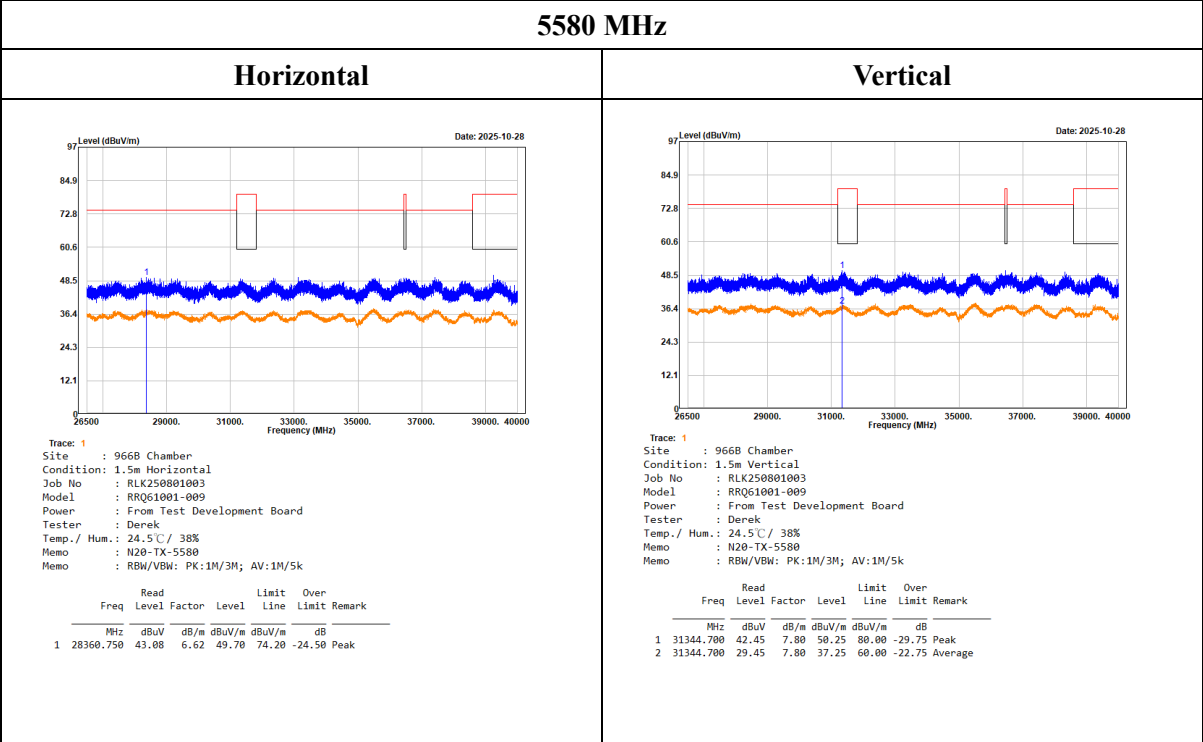
UNII-2A Band II 5250~5350 MHz

(Worst case is 802.11a Mode)



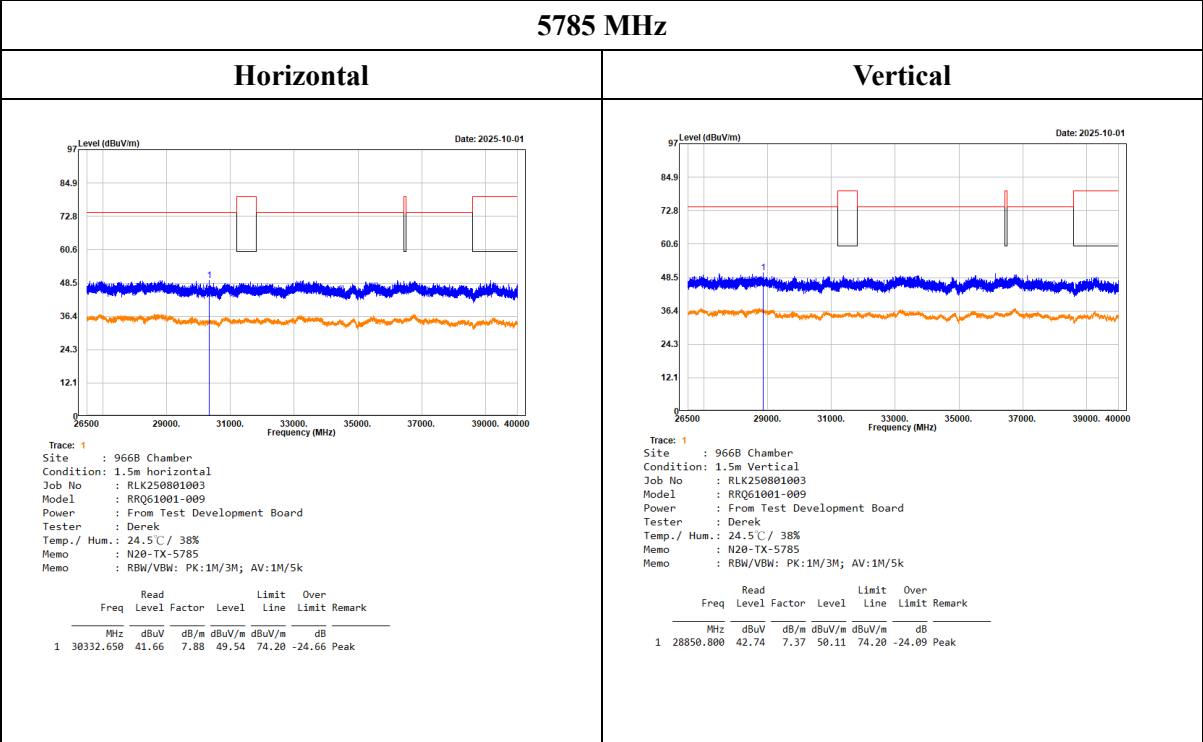
UNII-2C Band III 5470~5725 MHz

(Worst case is 802.11 n20 Mode)



UNII-3 Band IV 5725~5850 MHz

(Worst case is 802.11n20 Mode)



Level = Reading + Factor.

Over Limit = Level – Limit Line.

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	38.48	22.24
		40	5200	39.60	22.30
		48	5240	32.80	17.26
	802.11 n20	36	5180	37.70	21.94
		40	5200	39.40	22.18
		48	5240	30.60	17.92
	802.11 ac20	36	5180	40.50	23.02
		40	5200	39.70	22.78
		48	5240	34.10	18.22
	802.11 ax20	36	5180	38.00	21.16
		40	5200	36.20	21.03
		48	5240	32.50	19.00

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	41.20	27.27
		60	5300	39.60	27.39
		64	5320	41.20	17.14
	802.11 n20	52	5260	45.50	30.68
		60	5300	46.80	30.93
		64	5320	31.90	17.92
	802.11 ac20	52	5260	39.00	23.50
		60	5300	40.20	23.50
		64	5320	33.10	18.04
	802.11 ax20	52	5260	34.48	18.94
		60	5300	37.20	19.02
		64	5320	24.96	18.78

5470-5725MHz

UNII Band	Mode	Channel	Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Emission Bandwidth (MHz)
UNII-2C	802.11a	100	5500	34.56	16.70
		116	5580	37.60	20.10
		136	5680	35.04	16.70
		140	5700	30.64	16.46
	802.11 n20	100	5500	34.90	17.74
		116	5580	45.00	30.68
		136	5680	35.12	17.70
		140	5700	32.88	17.58
	802.11 ac20	100	5500	32.50	17.86
		116	5580	39.00	23.26
		136	5680	35.76	17.74
		140	5700	31.76	17.62
	802.11 ax20	100	5500	31.00	18.88
		116	5580	37.70	21.46
		136	5680	33.04	18.70
		140	5700	30.00	18.70

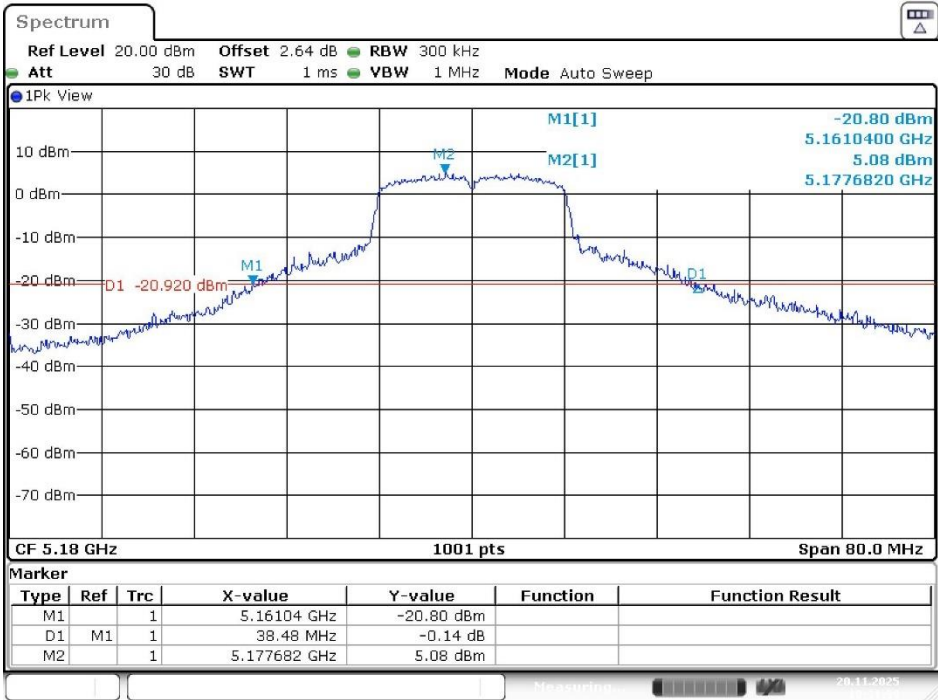
5725-5850MHz

UNII Band	Mode	Channel	Frequency (MHz)	6dB Emission Bandwidth (MHz)	99% Emission Bandwidth (MHz)	Limit (kHz)	Result
UNII-3	802.11a	149	5745	16.28	17.38	≥500	PASS
		157	5785	15.56	23.01	≥500	PASS
		165	5825	15.48	22.36	≥500	PASS
	802.11 n20	149	5745	16.76	18.10	≥500	PASS
		157	5785	15.12	23.68	≥500	PASS
		165	5825	16.32	23.02	≥500	PASS
	802.11 ac20	149	5745	16.28	18.28	≥500	PASS
		157	5785	16.04	23.08	≥500	PASS
		165	5825	16.52	22.84	≥500	PASS
	802.11 ax20	149	5745	17.80	19.00	≥500	PASS
		157	5785	15.56	22.42	≥500	PASS
		165	5825	15.48	23.14	≥500	PASS

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

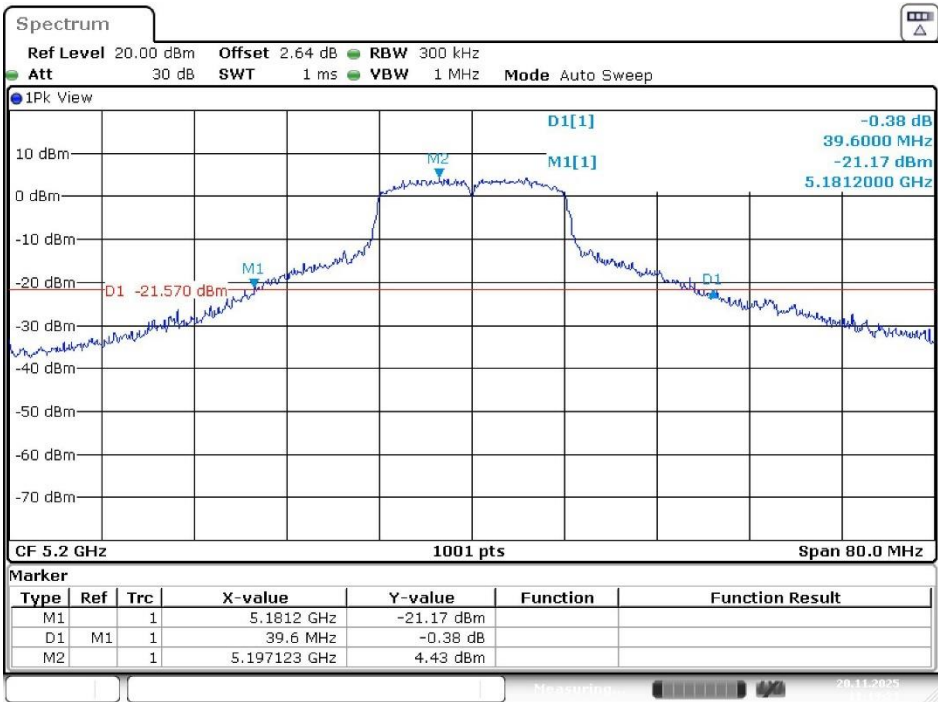
UNII-1 Band I / BW 26dBc
802.11a Mode / 5150 ~ 5250MHz

5180MHz



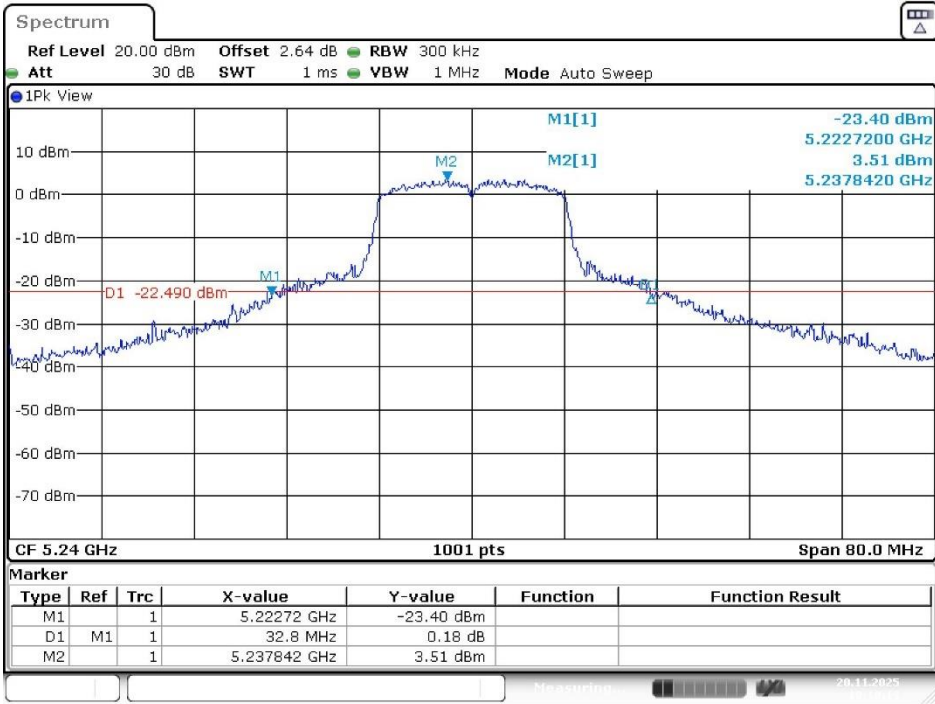
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5200MHz



Date: 20.NOV.2025 11:13:21

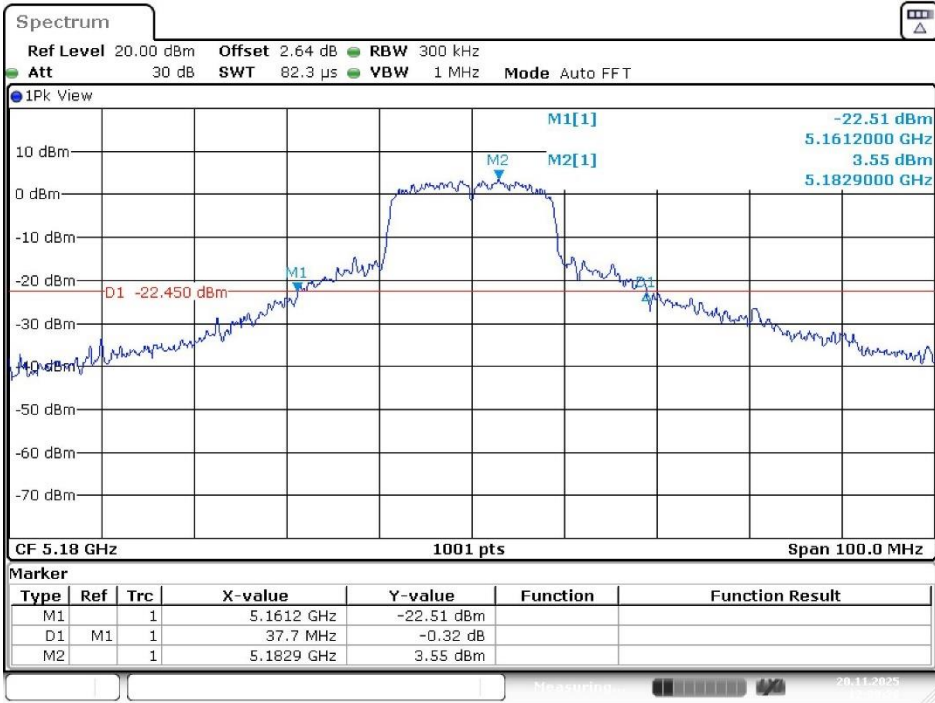
5240MHz



Date: 20.NOV.2025 19:10:13

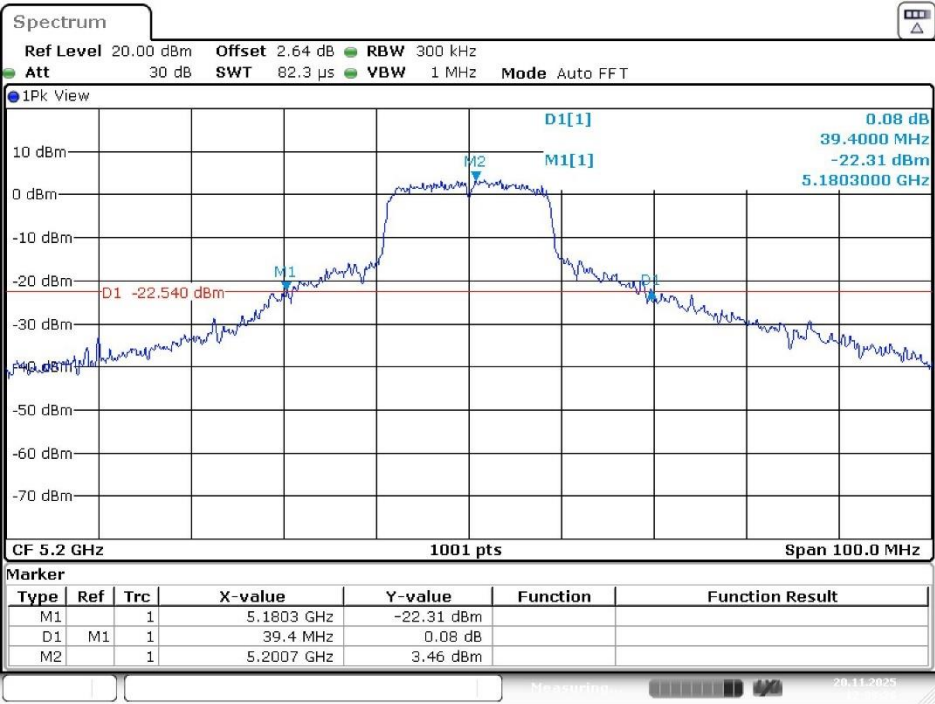
802.11 n20 Mode / 5150 ~ 5250MHz

5180MHz



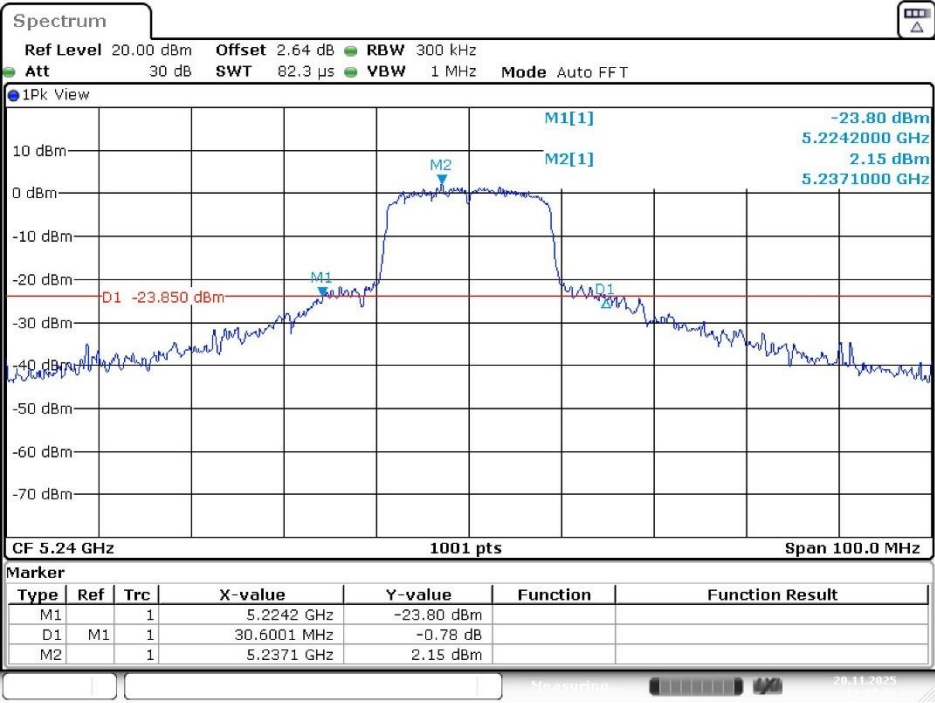
Date: 20.NOV.2025 12:00:20

5200MHz



Date: 20.NOV.2025 12:08:29

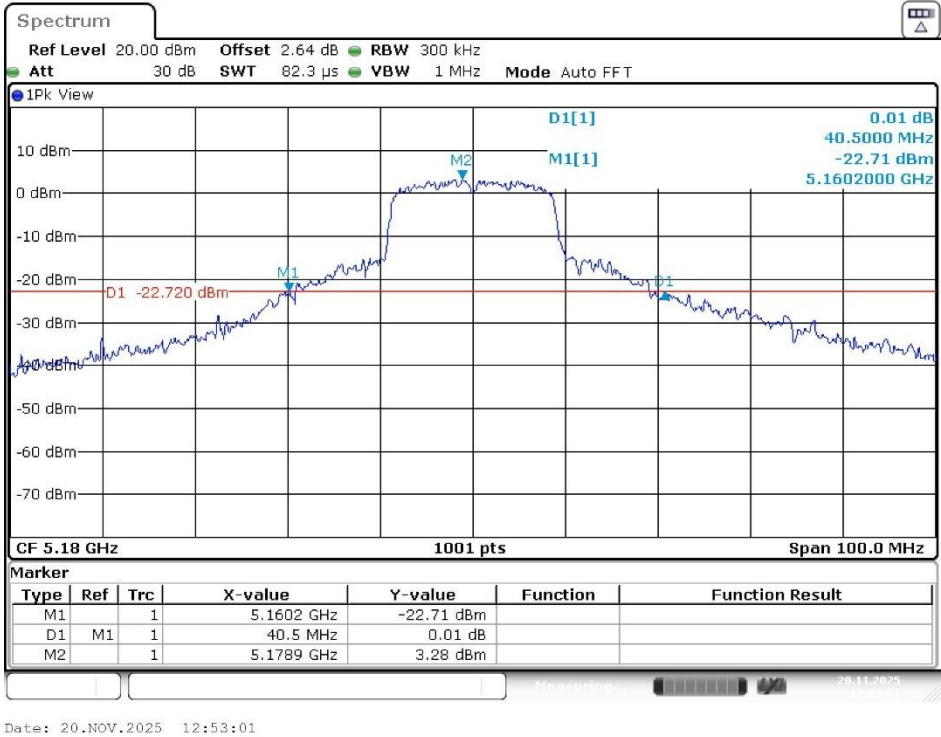
5240MHz



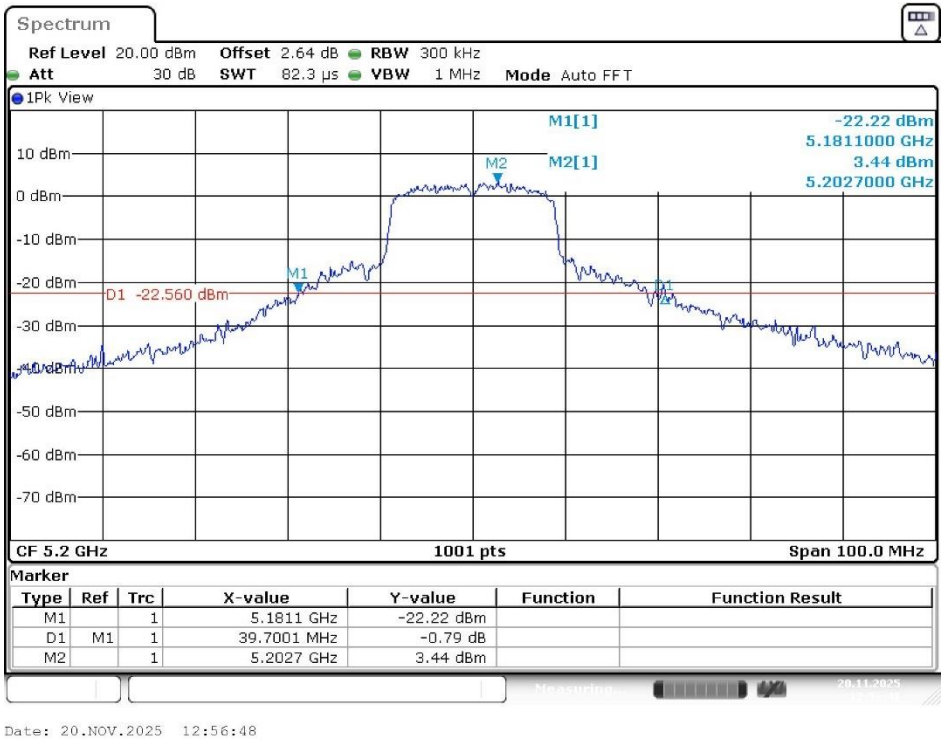
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802.11 ac20 Mode / 5150 ~ 5250MHz

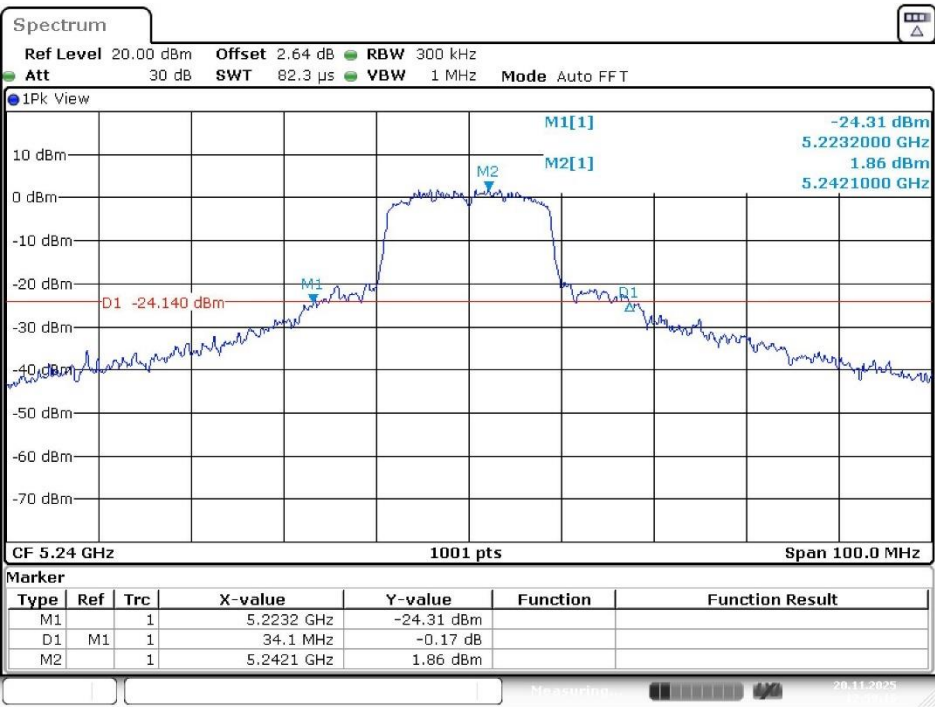
5180MHz



5200MHz



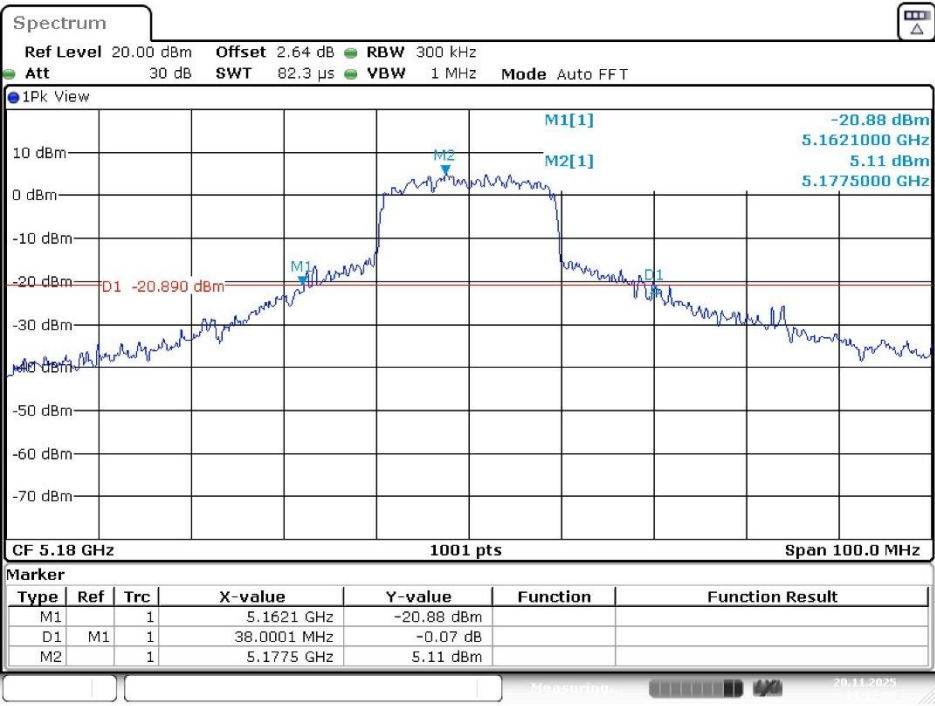
5240MHz



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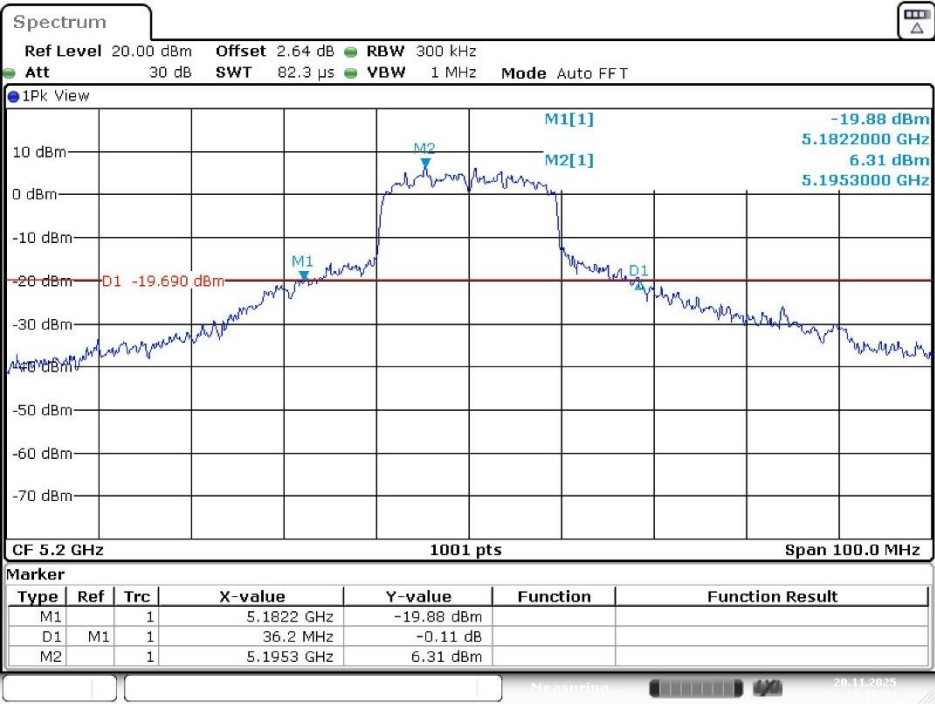
802.11 ax20 Mode / 5150 ~ 5250MHz

5180MHz



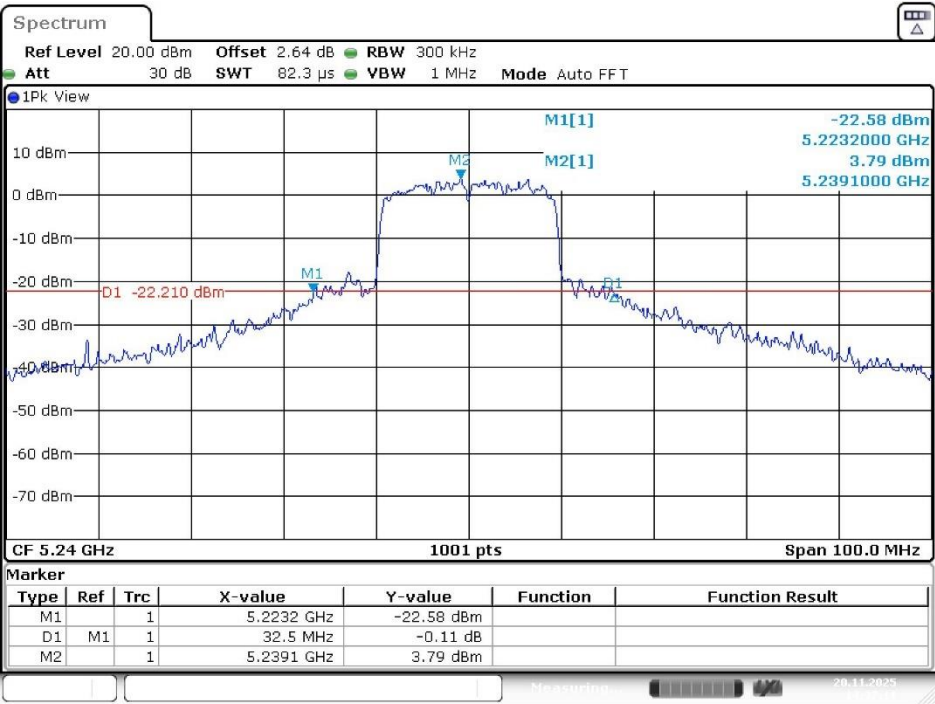
Date: 20.NOV.2025 14:32:01

5200MHz



Date: 20.NOV.2025 14:36:22

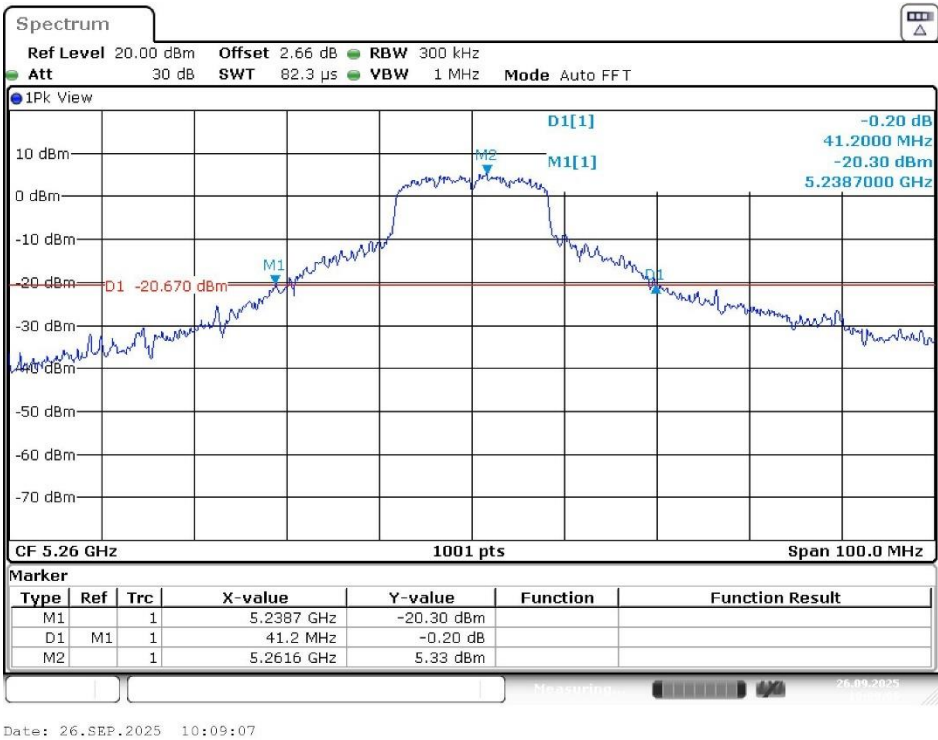
5240MHz



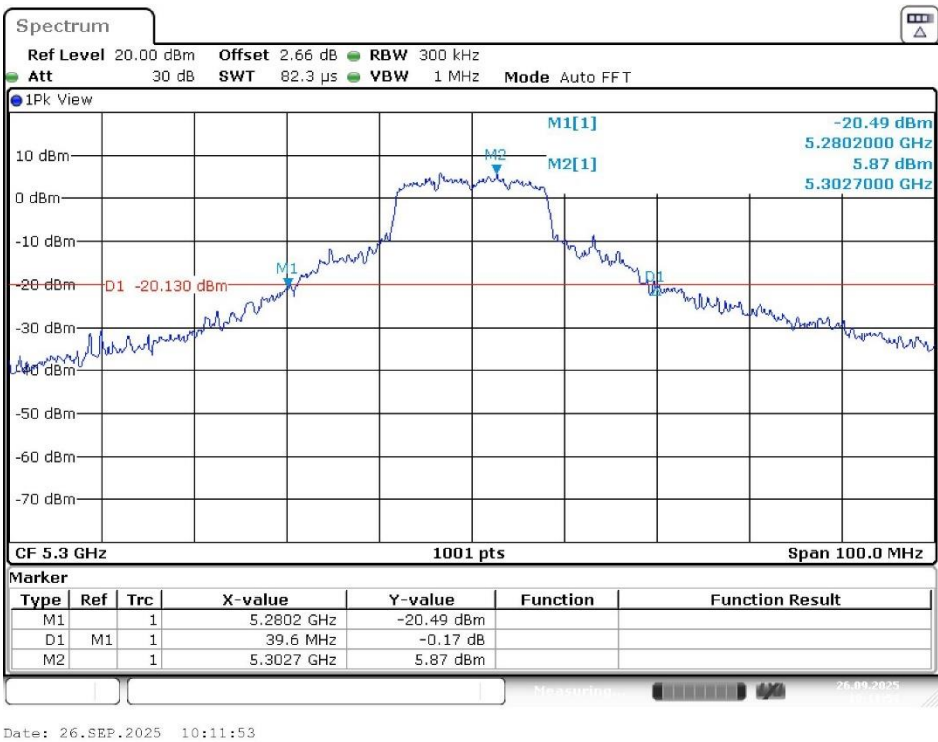
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UNII-2A Band II / BW 26dBc
802.11a Mode / 5250 ~ 5350MHz

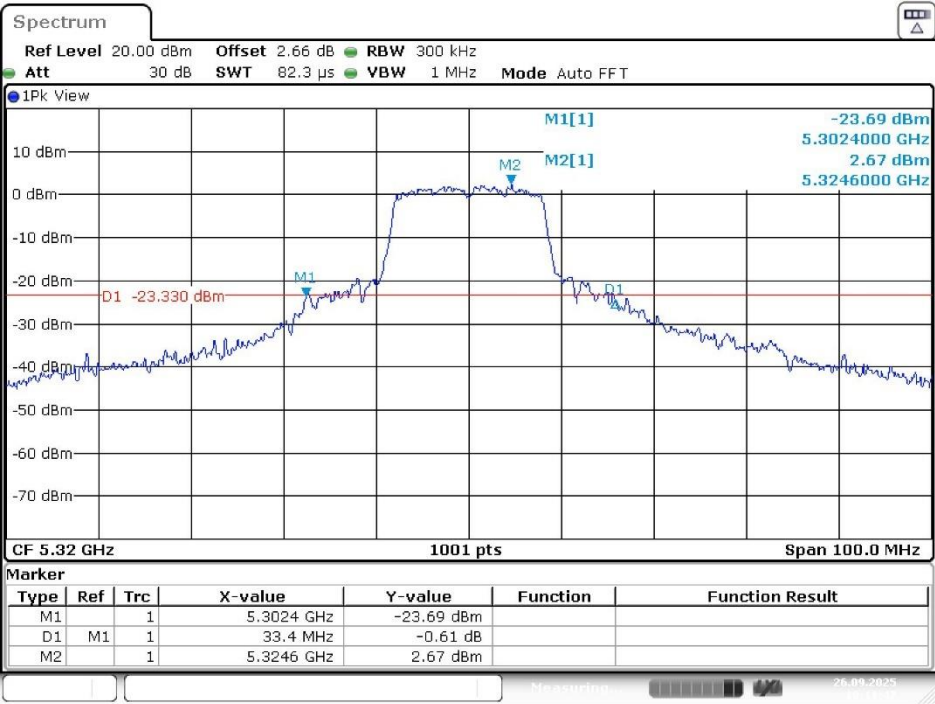
5260MHz



5300MHz

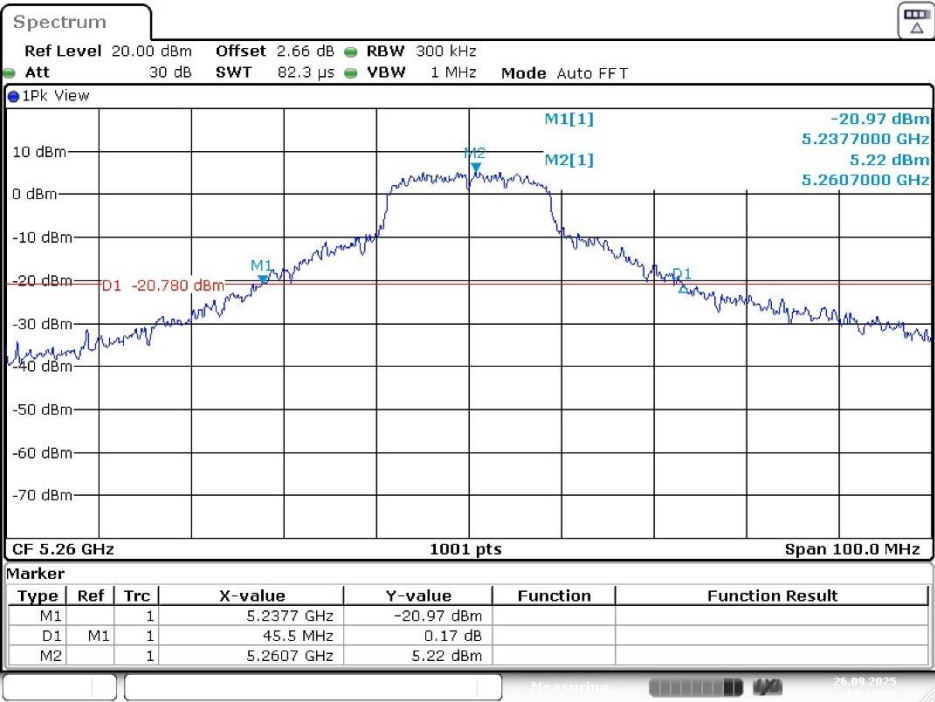


5320MHz

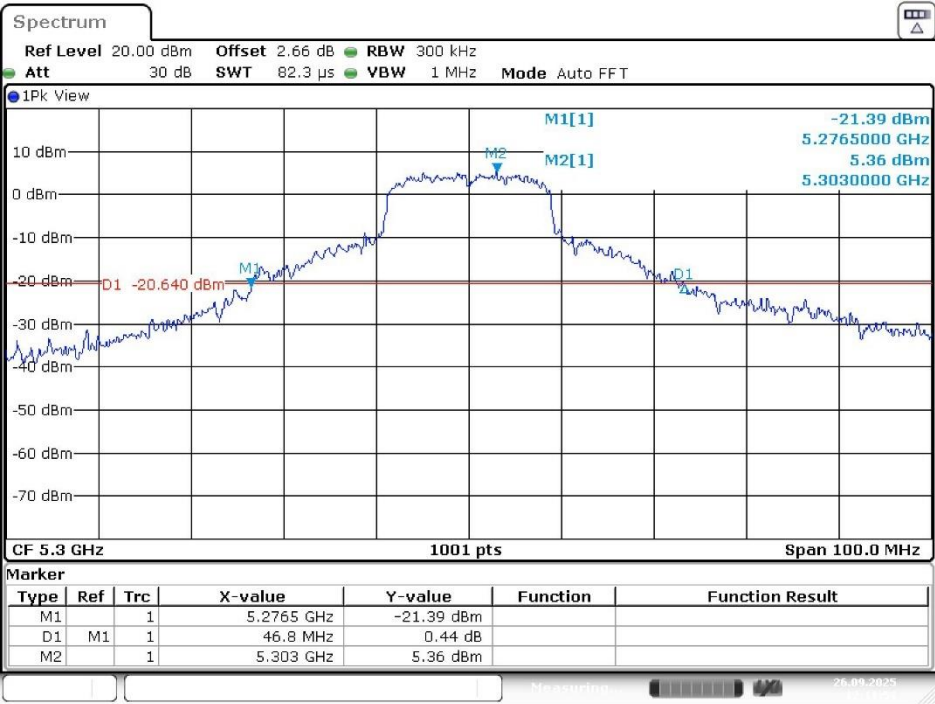


802.11 n20 Mode / 5250 ~ 5350MHz

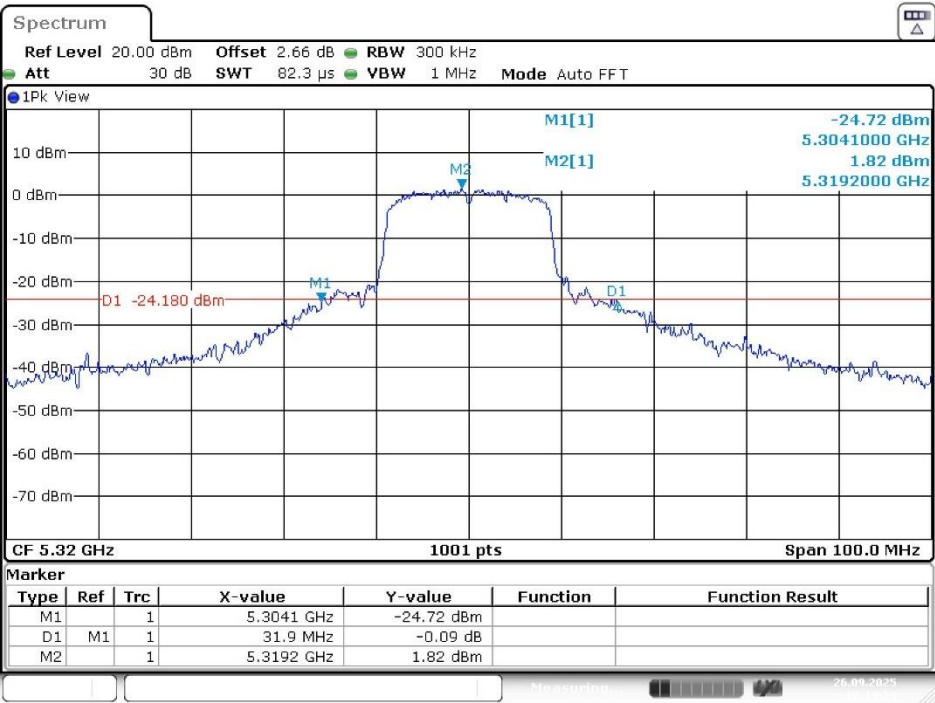
5260MHz



5300MHz

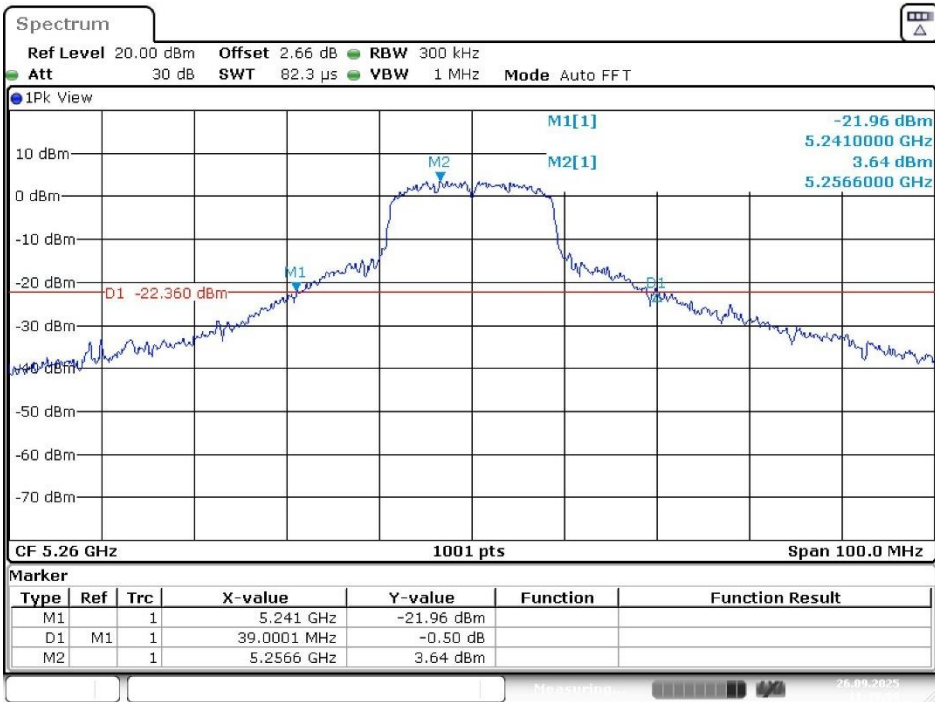


5320MHz

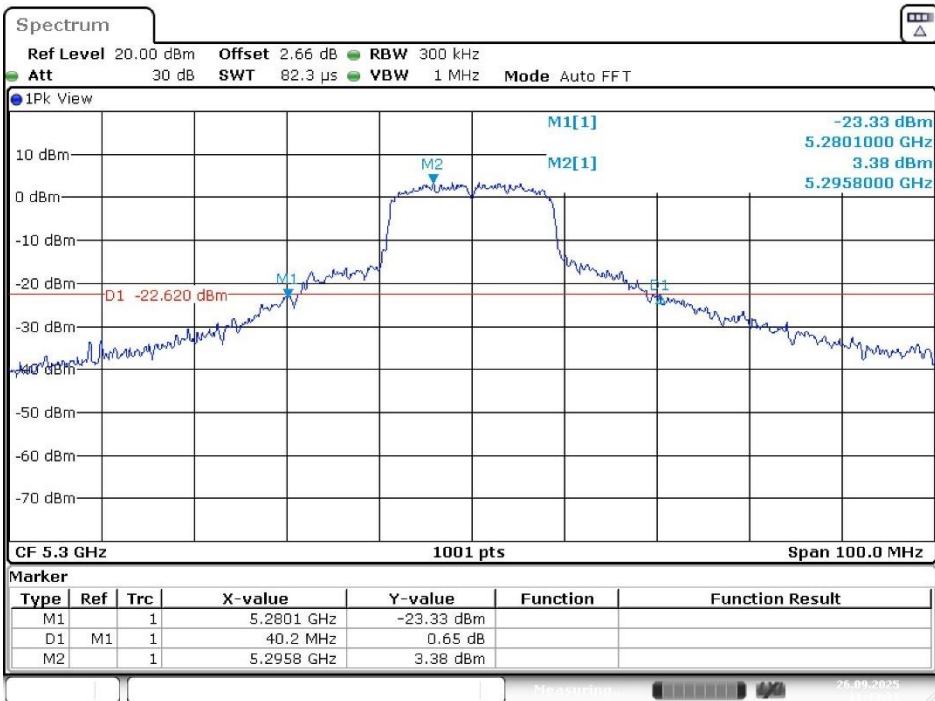


802.11 ac20 Mode / 5250 ~ 5350MHz

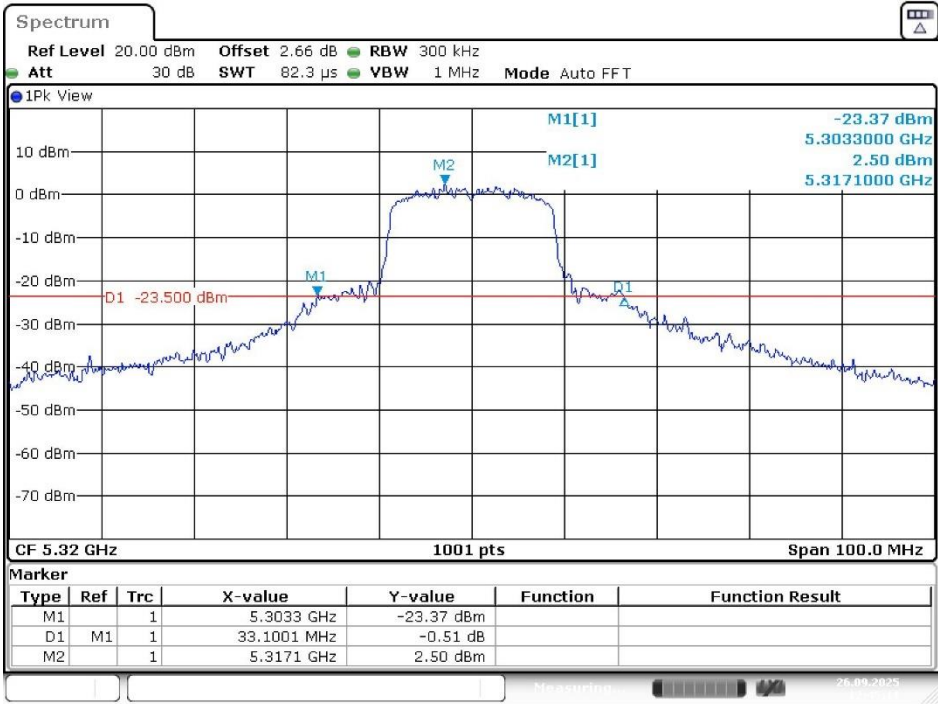
5260MHz



5300MHz

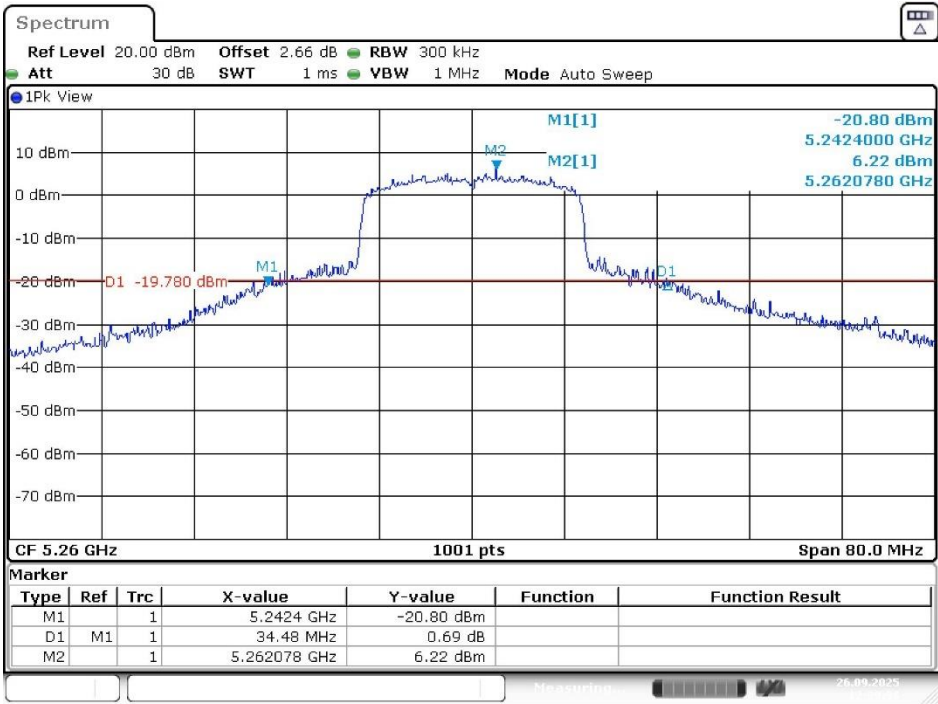


5320MHz

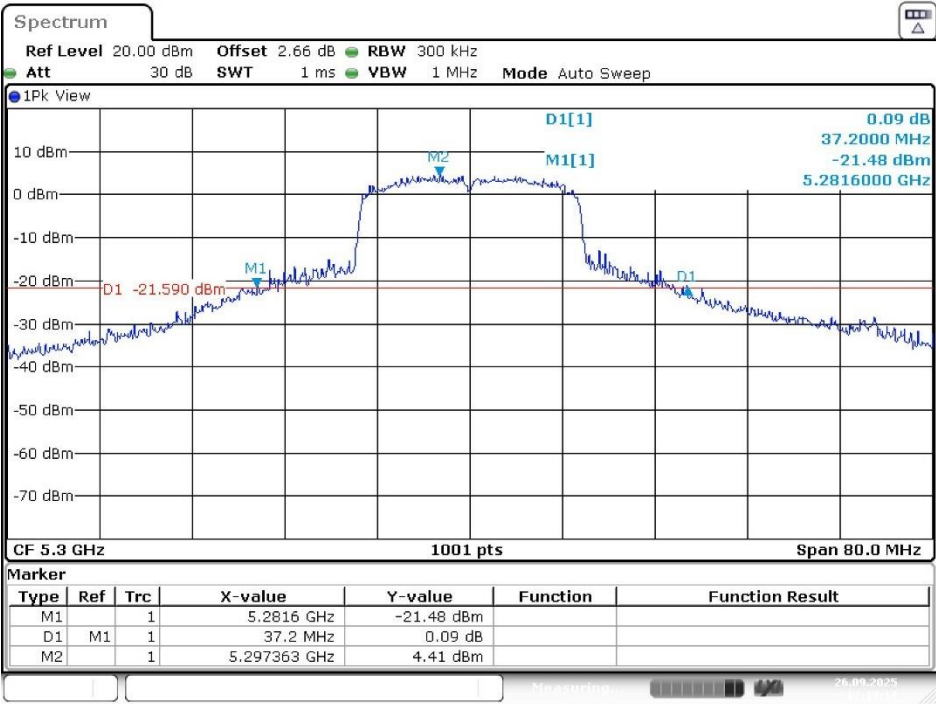


802.11 ax20 Mode / 5250 ~ 5350MHz

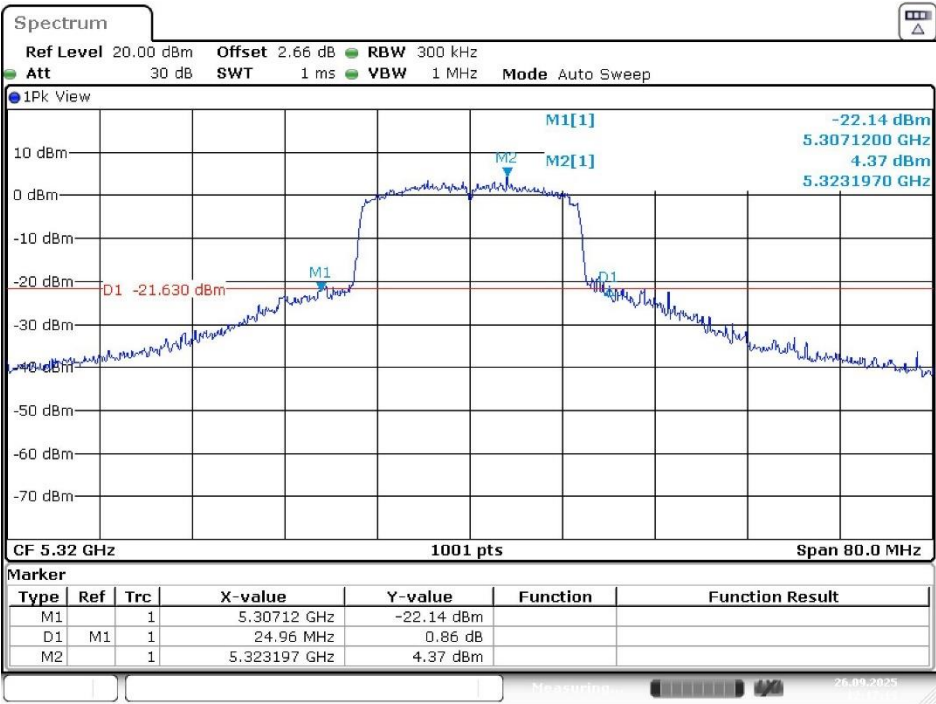
5260MHz



5300MHz

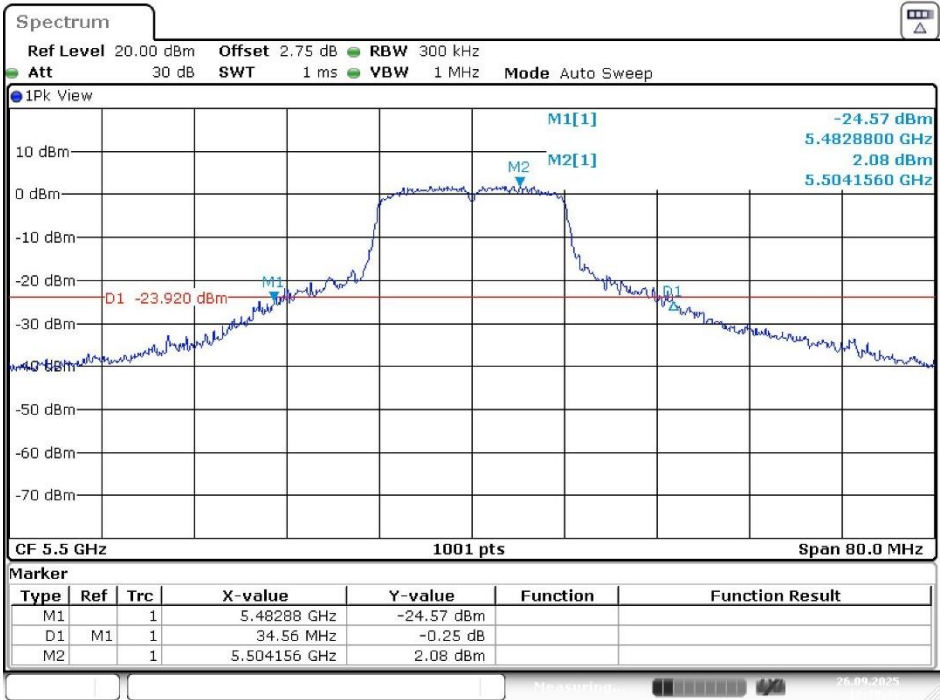


5320MHz

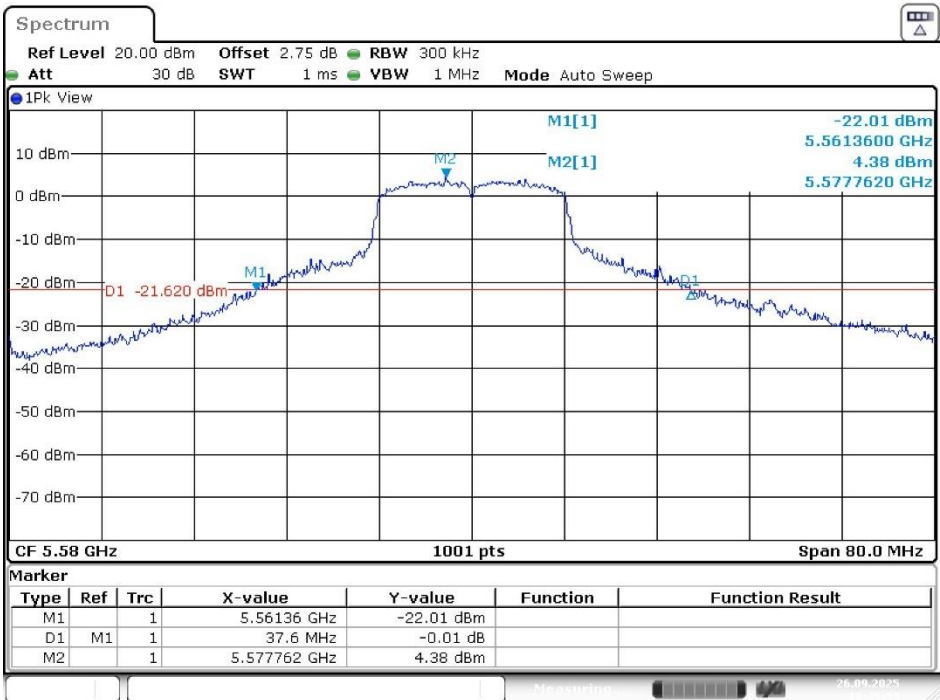


UNII-2C Band III / BW 26dBc
802.11a Mode / 5470 ~ 5725MHz

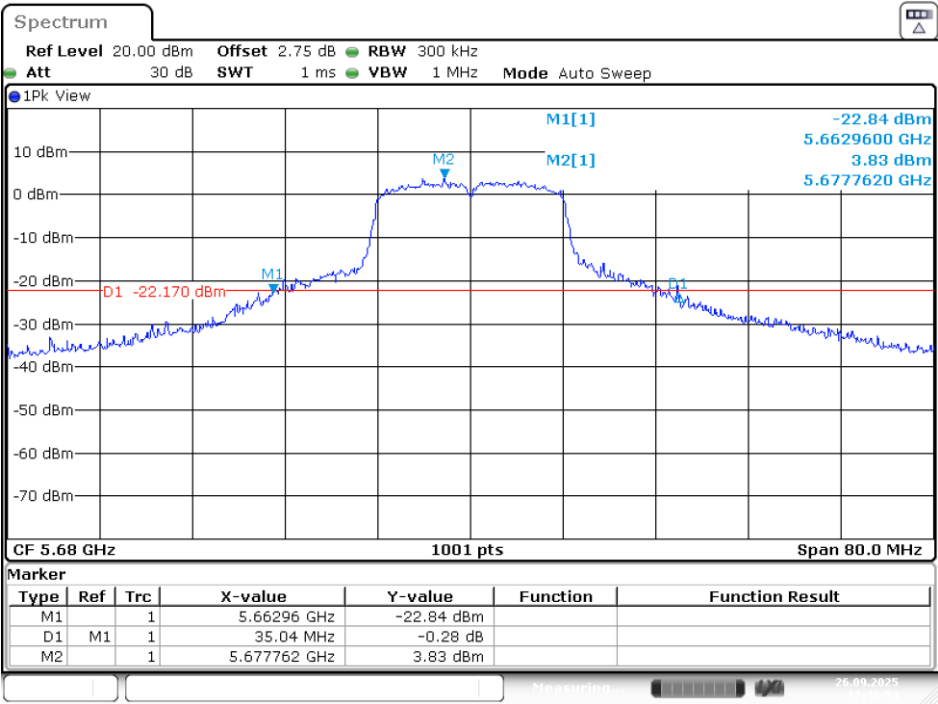
5500MHz



5580MHz

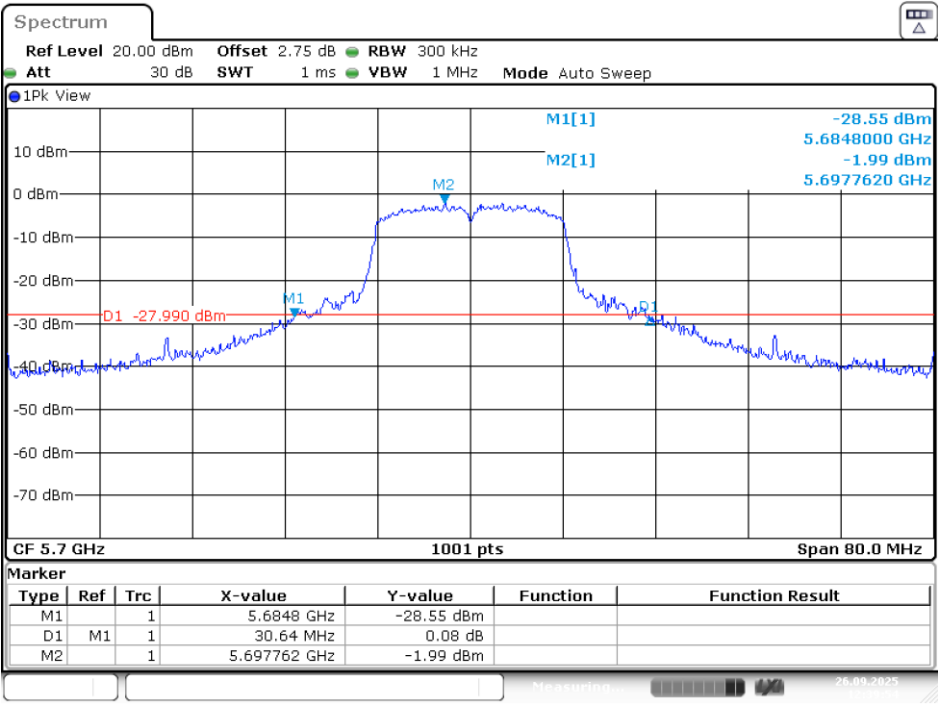


5680MHz



Date: 26.SEP.2025 12:40:54

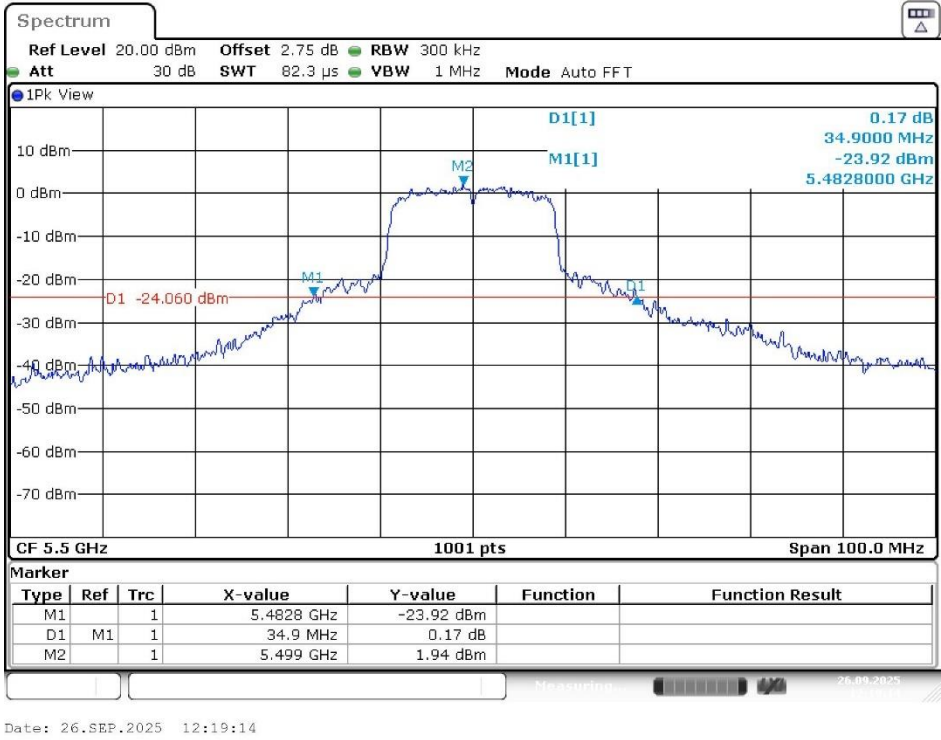
5700MHz



Date: 26.SEP.2025 12:39:54

802.11 n20 Mode / 5470 ~ 5725MHz

5500MHz



5580MHz

