

Appendix A: Test Results of Radiated Emissions & Mains Conducted Emission Test

<Main model with adapter 1>

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

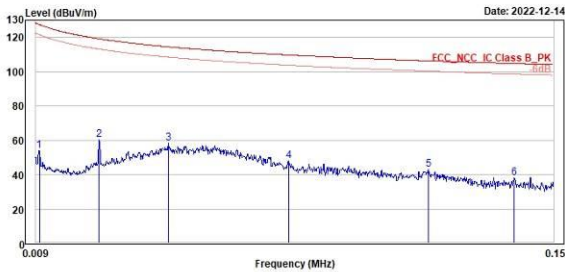
WiFi 5G 802.11a_5180MHz + WiFi 5G 802.11a_5700MHz + WiFi 2.4G 802.11b_2462MHz

9kHz~150kHz (Open)

150kHz~30MHz (Open)



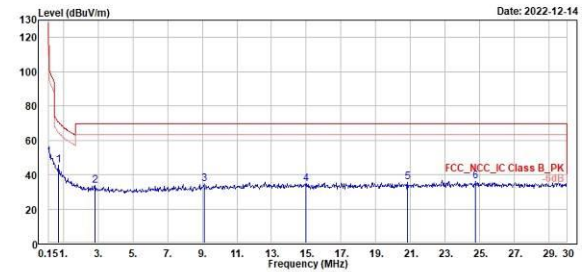
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	0.01	53.78	36.07	17.71	127.60	-73.82	100	124	QP	Open		
2	0.03	60.37	41.19	19.18	119.18	-58.81	100	260	QP	Open		
3	0.05	58.30	38.94	19.36	114.51	-56.21	100	245	QP	Open		
4	0.08	48.11	29.41	18.70	109.77	-61.66	100	242	QP	Open		
5	0.12	42.94	24.66	18.28	106.31	-63.37	100	220	QP	Open		
6	0.14	38.26	19.90	18.36	104.72	-66.46	100	220	QP	Open		



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	0.72	45.35	26.28	19.07	70.49	-25.14	100	215	QP	Open		
2	2.81	33.44	13.97	19.47	69.50	-36.06	100	108	QP	Open		
3	9.11	34.64	13.64	21.00	69.50	-34.86	100	354	QP	Open		
4	14.99	34.74	13.81	21.73	69.50	-34.76	100	279	QP	Open		
5	20.84	35.51	13.41	22.10	69.50	-33.99	100	140	QP	Open		
6	24.75	35.96	13.72	22.24	69.50	-33.54	100	265	QP	Open		

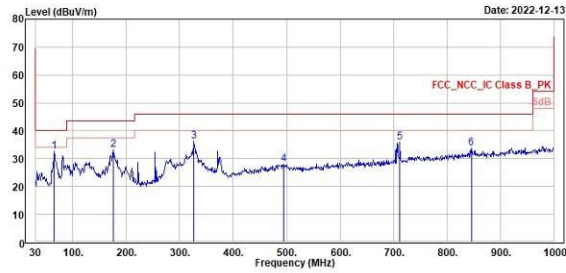
Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

WiFi 5G 802.11a_5180MHz + WiFi 5G 802.11a_5700MHz + WiFi 2.4G 802.11b_2462MHz

Horizontal



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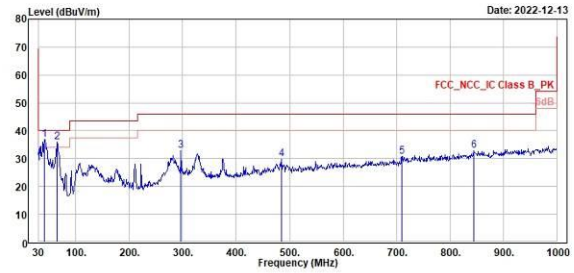


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	64.92	32.57	40.48	-7.91	40.00	-7.43	200	163	QP	Horizontal		
2	175.50	33.25	39.88	-6.63	43.50	-10.25	200	224	QP	Horizontal		
3	326.82	36.06	40.16	-4.10	46.00	-9.94	100	252	QP	Horizontal		
4	493.66	28.06	29.73	-1.73	46.00	-18.00	200	158	QP	Horizontal		
5	711.91	35.85	34.01	1.84	46.00	-10.15	100	344	QP	Horizontal		
6	845.77	33.78	29.75	4.03	46.00	-12.22	100	134	QP	Horizontal		

Vertical



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	40.67	36.95	43.33	-6.38	40.00	-3.05	100	131	QP	Vertical		
2	64.92	35.98	43.81	-7.91	40.00	-4.10	100	4	QP	Vertical		
3	296.75	32.76	37.47	-4.71	46.00	-13.24	100	219	QP	Vertical		
4	484.93	29.83	31.62	-1.79	46.00	-16.17	100	204	QP	Vertical		
5	709.97	30.84	29.02	1.82	46.00	-15.16	200	278	QP	Vertical		
6	844.00	32.89	28.86	4.03	46.00	-13.11	400	113	QP	Vertical		

Spurious Emissions, Tx Mode, 1GHz ~ 40GHz

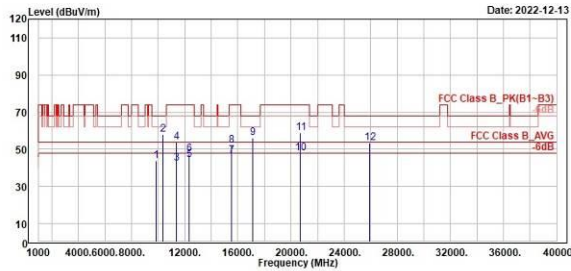
WiFi 5G 802.11a_5180MHz + WiFi 5G 802.11a_5700MHz + WiFi 2.4G 802.11b_2462MHz

(Horizontal) Peak

(Vertical) Peak



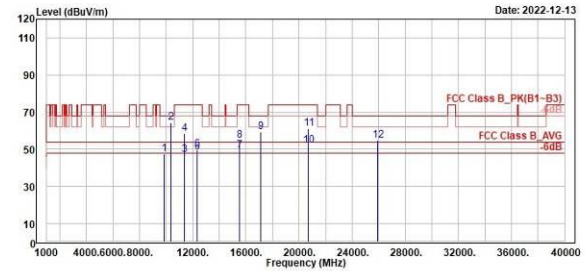
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Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	9840.00	43.73	46.32	-2.59	68.20	-24.47	400	170 Peak	Horizontal	
2	10360.00	58.14	59.97	-1.83	68.20	-10.06	400	117 Peak	Horizontal	
3	11400.00	42.55	42.71	-0.16	54.00	-11.45	198	113 Average	Horizontal	
4	11400.00	53.94	54.10	-0.16	74.00	-20.06	198	113 Peak	Horizontal	
5	12310.00	44.08	42.59	1.49	54.00	-9.92	400	86 Average	Horizontal	
6	12310.00	47.23	45.74	1.49	74.00	-26.77	400	86 Peak	Horizontal	
7	15540.00	46.59	46.77	5.82	54.00	-7.41	400	142 Average	Horizontal	
8	15540.00	51.99	46.17	5.82	74.00	-22.01	400	142 Peak	Horizontal	
9	17100.00	56.25	48.03	8.22	68.20	-11.95	300	9 Peak	Horizontal	
10	20720.00	48.12	46.50	1.62	54.00	-5.88	300	360 Average	Horizontal	
11	20720.00	59.05	57.43	1.62	74.00	-14.95	300	360 Peak	Horizontal	
12	25900.00	53.31	48.01	5.30	68.20	-14.89	300	100 Peak	Horizontal	



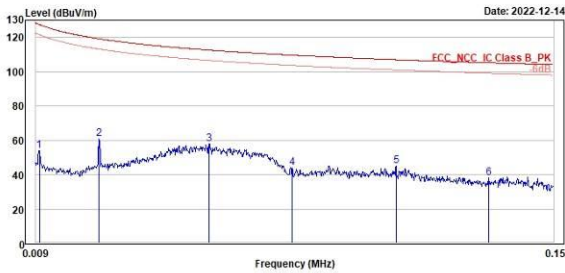
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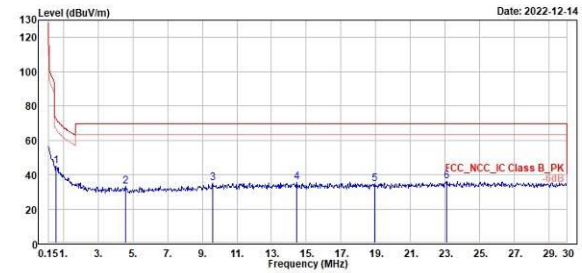
Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	9840.00	47.68	50.27	-2.59	68.20	-20.52	300	201 Peak	Vertical	
2	10360.00	64.18	66.01	-1.83	68.20	-4.02	200	224 Peak	Vertical	
3	11400.00	46.81	46.97	-0.16	54.00	-7.19	300	268 Average	Vertical	
4	11400.00	58.53	58.69	-0.16	74.00	-15.47	300	268 Peak	Vertical	
5	12310.00	49.58	48.09	1.49	54.00	-4.42	100	280 Average	Vertical	
6	12310.00	48.58	47.09	1.49	74.00	-25.42	100	280 Peak	Vertical	
7	15540.00	49.14	43.32	5.82	54.00	-4.86	376	118 Average	Vertical	
8	15540.00	54.53	48.71	5.82	74.00	-19.47	376	118 Peak	Vertical	
9	17100.00	59.49	51.27	8.22	68.20	-8.71	400	125 Peak	Vertical	
10	20720.00	51.98	50.36	1.62	54.00	-2.02	200	151 Average	Vertical	
11	20720.00	61.23	59.61	1.62	74.00	-12.77	200	151 Peak	Vertical	
12	25900.00	54.93	49.63	5.30	68.20	-13.27	400	116 Peak	Vertical	

<Series model with adapter 1> Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

WiFi 5G 802.11a_5180MHz + WiFi 5G 802.11a_5700MHz + WiFi 2.4G 802.11b_2462MHz
9kHz~150kHz (Open)
150kHz~30MHz (Open)

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	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.01	54.09	36.38	17.71	127.60	-73.51	100	167	QP	Open		
2	0.03	60.62	41.44	19.18	119.18	-58.56	100	127	QP	Open		
3	0.06	57.75	38.58	19.17	112.59	-54.84	100	223	QP	Open		
4	0.08	44.10	25.42	18.68	109.67	-65.57	100	252	QP	Open		
5	0.11	44.94	26.70	18.24	107.00	-62.06	100	228	QP	Open		
6	0.13	38.17	19.84	18.33	105.17	-67.00	100	224	QP	Open		


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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.57	44.94	25.96	18.98	72.52	-27.58	100	226	QP	Open		
2	4.69	33.17	13.81	19.36	69.50	-36.33	100	282	QP	Open		
3	9.61	35.03	13.81	21.22	69.50	-34.47	100	98	QP	Open		
4	14.42	35.56	13.86	21.70	69.50	-33.94	100	22	QP	Open		
5	18.96	34.38	12.39	21.99	69.50	-35.12	100	200	QP	Open		
6	23.07	36.21	14.04	22.17	69.50	-33.29	100	32	QP	Open		

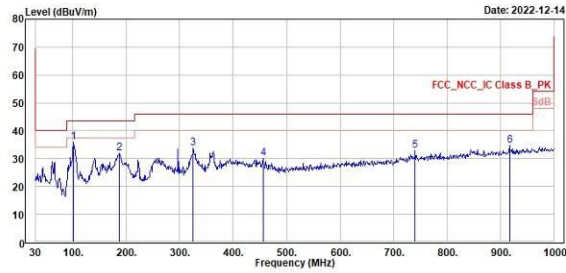
Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

WiFi 5G 802.11a_5180MHz + WiFi 5G 802.11a_5700MHz + WiFi 2.4G 802.11b_2462MHz

Horizontal



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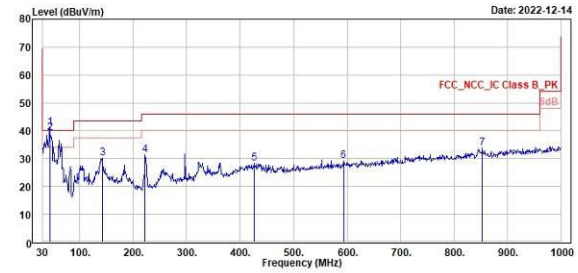


Peak	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	181.78	36.03	46.83	-10.80	43.50	-7.47	300	273	QP	Horizontal	
2	187.14	32.00	39.94	-7.94	43.50	-11.50	100	226	QP	Horizontal	
3	324.88	33.72	37.87	-4.15	46.00	-12.28	100	246	QP	Horizontal	
4	455.83	30.08	32.02	-1.94	46.00	-15.92	200	238	QP	Horizontal	
5	741.01	32.93	30.41	2.52	46.00	-13.07	100	266	QP	Horizontal	
6	917.55	34.80	29.78	5.02	46.00	-11.20	194	360	QP	Horizontal	

Vertical



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Peak	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 *	43.58	41.11	47.00	-5.90	40.00	1.11	100	179	Peak	Vertical	
2 †	43.58	39.32	45.30	-5.98	40.00	-0.68	100	179	QP	Vertical	
3	141.55	30.26	36.31	-6.05	43.50	-13.24	100	33	QP	Vertical	
4	222.06	31.43	39.22	-7.79	46.00	-14.57	100	71	QP	Vertical	
5	425.76	28.40	30.86	-2.46	46.00	-17.60	100	177	QP	Vertical	
6	593.57	29.25	29.00	0.17	46.00	-16.75	200	210	QP	Vertical	
7	853.53	33.76	29.78	4.06	46.00	-12.24	100	17	QP	Vertical	

<Series model with adapter 2>

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

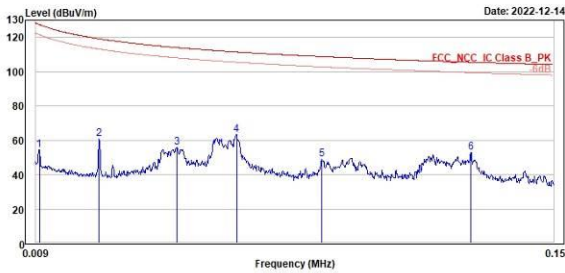
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9kHz~150kHz (Open)

150kHz~30MHz (Open)



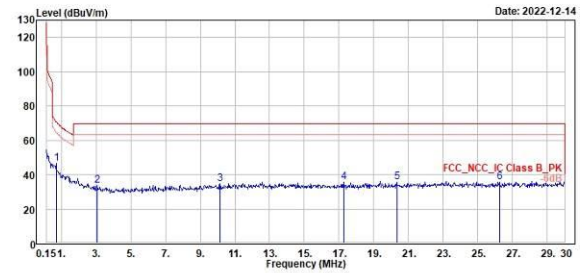
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	0.01	54.57	36.86	17.71	127.60	-73.03	100	154	QP	Open		
2	0.03	60.65	41.47	19.18	119.18	-58.53	100	243	QP	Open		
3	0.05	55.90	36.56	19.34	114.09	-58.19	100	239	QP	Open		
4	0.06	63.25	44.24	19.01	111.51	-48.26	100	216	QP	Open		
5	0.09	48.74	30.24	18.50	108.81	-60.07	100	240	QP	Open		
6	0.13	52.75	34.43	18.32	105.49	-52.74	100	216	QP	Open		



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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	0.72	46.61	27.54	19.07	70.49	-23.88	100	234	QP	Open		
2	3.08	33.42	13.94	19.48	69.50	-36.08	100	208	QP	Open		
3	10.15	34.59	13.18	21.41	69.50	-34.91	100	40	QP	Open		
4	17.28	35.49	13.61	21.88	69.50	-34.01	100	297	QP	Open		
5	20.33	35.73	13.66	22.07	69.50	-33.77	100	199	QP	Open		
6	26.24	35.53	13.23	22.30	69.50	-33.97	100	270	QP	Open		

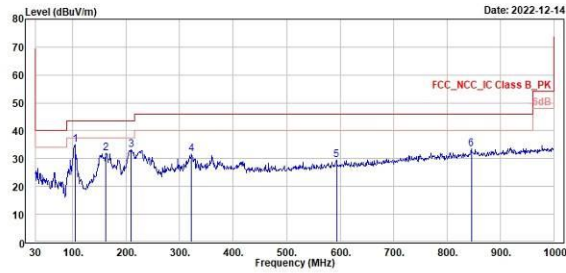
Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

WiFi 5G 802.11a_5180MHz + WiFi 5G 802.11a_5700MHz + WiFi 2.4G 802.11b_2462MHz

Horizontal



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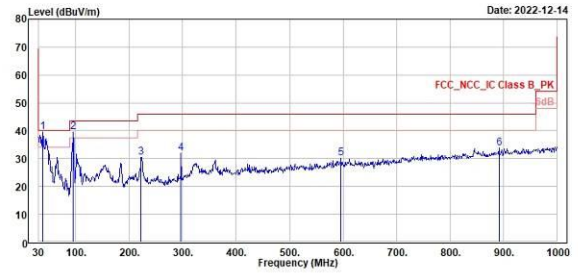


	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	183.72	34.83	45.31	-10.48	43.50	-8.67	300	251 QP	Horizontal	
2	160.95	31.79	37.54	-5.75	43.50	-11.71	200	269 QP	Horizontal	
3	288.48	33.15	41.16	-8.01	43.50	-10.35	200	294 QP	Horizontal	
4	321.97	31.61	35.81	-4.20	46.00	-14.39	100	219 QP	Horizontal	
5	593.57	29.47	29.30	0.17	46.00	-16.53	100	42 QP	Horizontal	
6	845.77	33.59	29.56	4.03	46.00	-12.41	146	360 QP	Horizontal	

Vertical



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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	37.76	39.67	46.12	-6.45	40.00	-0.33	100	38 QP	Vertical	
2	94.99	39.68	51.78	-12.10	43.50	-3.82	200	189 QP	Vertical	
3	222.06	30.51	38.30	-7.79	46.00	-15.49	100	50 QP	Vertical	
4	296.75	31.80	36.51	-4.71	46.00	-14.20	100	115 QP	Vertical	
5	596.48	30.08	29.85	0.23	46.00	-15.92	100	128 QP	Vertical	
6	892.33	33.74	29.11	4.63	46.00	-12.26	300	114 QP	Vertical	

Mains Conducted Emission, 150kHz ~ 30MHz

<Main model with adapter 1>

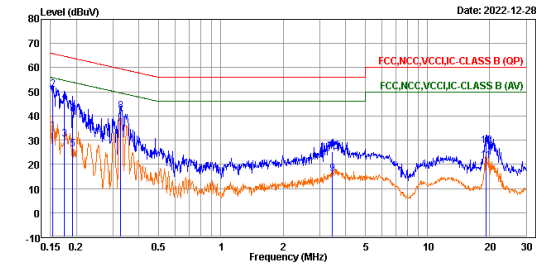
Worst Band

(Line)

(Neutral)



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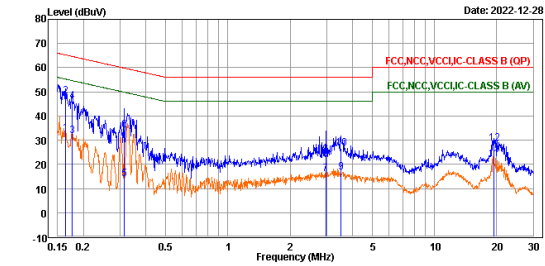


Trace: 1

	Freq	Level	Read	Limit	Over			
	MHz	dBuV	dBuV	dB	dBuV	dB	Pol/Phase	Note
1	0.15	33.68	23.99	9.69	55.83	-22.15	Average	line1
2	0.15	50.80	41.11	9.69	65.83	-15.03	QP	line1
3	0.17	30.55	20.87	9.68	54.76	-24.21	Average	line1
4	0.17	45.72	36.04	9.68	64.76	-19.04	QP	line1
5	0.19	26.39	16.71	9.68	53.97	-27.58	Average	line1
6	0.19	40.59	30.91	9.68	63.97	-23.38	QP	line1
7	0.33	39.82	30.15	9.67	49.50	-9.68	Average	line1
8	0.33	41.99	32.32	9.67	59.50	-17.51	QP	line1
9	3.45	16.11	6.37	9.74	46.00	-29.89	Average	line1
10	3.45	25.21	15.47	9.74	56.00	-30.79	QP	line1
11	19.16	21.59	11.78	9.81	50.00	-28.41	Average	line1
12	19.16	27.56	17.75	9.81	60.00	-32.44	QP	line1



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Trace: 1

	Freq	Level	Read	Limit	Over			
	MHz	dBuV	dBuV	dB	dBuV	dB	Pol/Phase	Note
1	0.16	32.76	23.09	9.67	55.25	-22.49	Average	neutral
2	0.16	48.34	38.67	9.67	65.25	-16.91	QP	neutral
3	0.18	31.81	22.15	9.66	54.68	-22.87	Average	neutral
4	0.18	46.05	36.39	9.66	64.68	-18.63	QP	neutral
5	0.31	14.07	4.42	9.65	49.87	-35.80	Average	neutral
6	0.31	34.27	24.62	9.65	59.87	-25.60	QP	neutral
7	2.97	16.01	6.30	9.71	46.00	-29.99	Average	neutral
8	2.97	23.73	14.02	9.71	56.00	-32.27	QP	neutral
9	3.52	16.67	6.95	9.72	46.00	-29.33	Average	neutral
10	3.52	26.68	16.96	9.72	56.00	-29.32	QP	neutral
11	19.35	22.03	12.16	9.87	50.00	-27.97	Average	neutral
12	19.35	28.63	18.76	9.87	60.00	-31.37	QP	neutral

<Main model with adapter 2>

