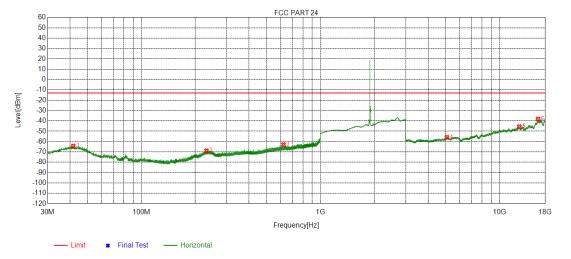
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### **7.2.1.1.2. Test Channel = MCH**

## 7.2.1.1.2.1. Horizontal



Susp	Suspected Data List										
NO	Freq.	Reading	Level	Limit	Margin	Factor	Dolovitu				
NO.	[MHz]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	Polarity				
1	41.7376	-71.24	-64.39	-13.00	51.39	6.85	Horizontal				
2	231.1396	-71.75	-68.92	-13.00	55.92	2.83	Horizontal				
3	622.3116	-70.78	-63.04	-13.00	50.04	7.74	Horizontal				
4	5089.069	-77.49	-55.93	-13.00	42.93	21.56	Horizontal				
5	12896.82	-78.47	-45.63	-13.00	32.63	32.84	Horizontal				
6	16399.44	-75.72	-38.21	-13.00	25.21	37.51	Horizontal				

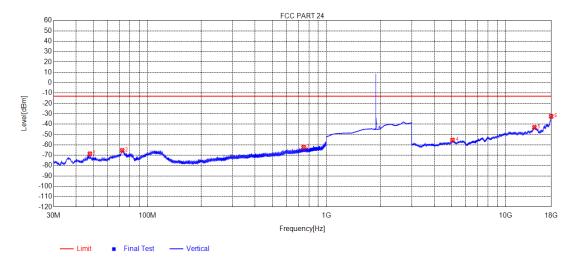


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### 7.2.1.1.2.2. Vertical



Suspected Data List										
NO	Freq.	Reading	Level	Limit	Margin	Factor	Dolovitu			
NO.	[MHz]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	Polarity			
1	47.8489	-66.93	-68.59	-13.00	55.59	-1.66	Vertical			
2	72.4396	-66.52	-65.35	-13.00	52.35	1.17	Vertical			
3	746.2838	-71.96	-62.41	-13.00	49.41	9.55	Vertical			
4	5060.568	-76.45	-55.33	-13.00	42.33	21.12	Vertical			
5	14502.88	-78.73	-43.13	-13.00	30.13	35.60	Vertical			
6	17990.99	-76.91	-32.46	-13.00	19.46	44.45	Vertical			



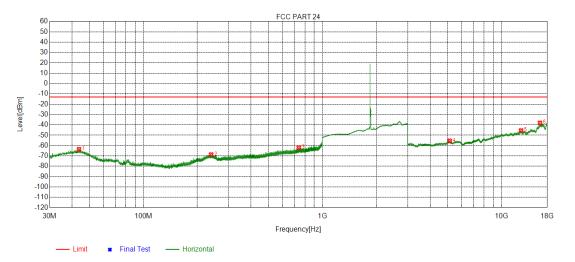
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## 7.2.1.1.3. Test Channel = HCH

## 7.2.1.1.3.1. Horizontal

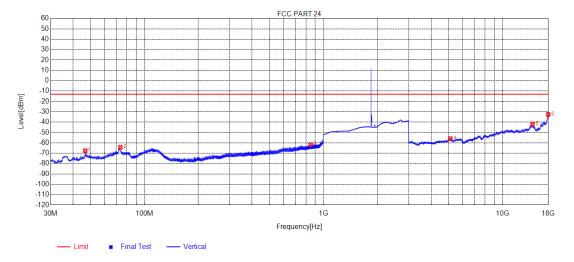


Suspected Data List										
NO.	Freq.	Reading	Level	Limit	Margin	Factor	Dolority			
NO.	[MHz]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	Polarity			
1	43.7747	-70.57	-63.61	-13.00	50.61	6.96	Horizontal			
2	239.4335	-71.48	-68.69	-13.00	55.69	2.79	Horizontal			
3	738.2324	-71.51	-61.94	-13.00	48.94	9.57	Horizontal			
4	5138.071	-76.92	-55.42	-13.00	42.42	21.50	Horizontal			
5	12859.82	-78.03	-45.41	-13.00	32.41	32.62	Horizontal			
6	16393.44	-75.43	-38.04	-13.00	25.04	37.39	Horizontal			



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### 7.2.1.1.3.2. Vertical



Suspected Data List										
NO	Freq.	Reading	Level	Limit	Margin	Factor	Dolovitu			
NO.	[MHz]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	Polarity			
1	46.8303	-65.72	-67.60	-13.00	54.60	-1.88	Vertical			
2	73.6037	-65.25	-64.28	-13.00	51.28	0.97	Vertical			
3	847.8964	-72.49	-61.77	-13.00	48.77	10.72	Vertical			
4	5117.570	-77.15	-55.94	-13.00	42.94	21.21	Vertical			
5	14709.39	-77.95	-42.07	-13.00	29.07	35.88	Vertical			
6	17998.50	-77.20	-32.58	-13.00	19.58	44.62	Vertical			

#### Remark:

The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.



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## 8. Frequency Stability

## 8.1. Frequency Vs Voltage

	Voltage										
BAND	Bandwidth	Modulation	Channel	RB	Voltage	Temperature	Deviation	Deviation	Limit	Verdict	
DAND	Dariuwiutii	iviodulation	Charmer	Configure	[Vdc]	(°C)	(Hz)	(ppm)	(ppm)	verdict	
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	4.19	0.002253	±2.5	PASS	
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	4.21	0.002263	±2.5	PASS	
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	4.45	0.002392	±2.5	PASS	
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-4.19	-0.002229	±2.5	PASS	
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-4.61	-0.002452	±2.5	PASS	
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-4.39	-0.002335	±2.5	PASS	
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-4.66	-0.002453	±2.5	PASS	
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-5.24	-0.002758	±2.5	PASS	
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-4.08	-0.002147	±2.5	PASS	
Band2	20MHz	64QAM	18700	100RB#0	VL	NT	3.71	0.001995	±2.5	PASS	
Band2	20MHz	64QAM	18700	100RB#0	VN	NT	4.63	0.002489	±2.5	PASS	
Band2	20MHz	64QAM	18700	100RB#0	VH	NT	3.35	0.001801	±2.5	PASS	
Band2	20MHz	64QAM	18900	100RB#0	VL	NT	-3.78	-0.002011	±2.5	PASS	
Band2	20MHz	64QAM	18900	100RB#0	VN	NT	-4.42	-0.002351	±2.5	PASS	
Band2	20MHz	64QAM	18900	100RB#0	VH	NT	-5.04	-0.002681	±2.5	PASS	
Band2	20MHz	64QAM	19100	100RB#0	VL	NT	-4.58	-0.002411	±2.5	PASS	
Band2	20MHz	64QAM	19100	100RB#0	VN	NT	-4.15	-0.002184	±2.5	PASS	
Band2	20MHz	64QAM	19100	100RB#0	VH	NT	-5.31	-0.002795	±2.5	PASS	
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	3.93	0.002113	±2.5	PASS	
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	4.55	0.002446	±2.5	PASS	
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	4.21	0.002263	±2.5	PASS	
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-4.02	-0.002138	±2.5	PASS	
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-3.92	-0.002085	±2.5	PASS	
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-3.75	-0.001995	±2.5	PASS	
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-4.84	-0.002547	±2.5	PASS	
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-3.71	-0.001953	±2.5	PASS	
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-4.72	-0.002484	±2.5	PASS	

## 8.2. Frequency Vs Temperature

Temperature



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				RB	Voltage	Temperature	Deviation	Deviation	Limit	
BAND	Bandwidth	Modulation	Channel	Configure	[Vdc]	(℃)	(Hz)	(ppm)	(ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	NV	-30	3.13	0.001683	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	3.98	0.002140	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	3.83	0.002059	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	4.18	0.002247	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	4.15	0.002231	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	4.51	0.002425	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	4.58	0.002462	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	3.81	0.002048	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-1.00	-0.000532	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-1.00	-0.000532	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-5.62	-0.002989	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-4.13	-0.002197	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-4.68	-0.002489	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-4.88	-0.002596	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-4.22	-0.002245	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-3.23	-0.001718	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-4.51	-0.002374	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-5.41	-0.002847	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-4.09	-0.002153	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-4.35	-0.002289	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-4.29	-0.002258	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-4.13	-0.002174	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-4.43	-0.002332	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-5.61	-0.002953	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	-30	5.87	0.003156	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	-20	5.08	0.002731	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	0	3.82	0.002054	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	10	4.03	0.002167	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	20	4.72	0.002538	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	30	3.86	0.002075	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	40	4.15	0.002231	±2.5	PASS
Band2	20MHz	64QAM	18700	100RB#0	NV	50	4.62	0.002484	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	-30	-4.56	-0.002426	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	-20	-5.04	-0.002681	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	0	-5.12	-0.002723	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	10	-4.89	-0.002601	±2.5	PASS



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1			1			Т		T		T
Band2	20MHz	64QAM	18900	100RB#0	NV	20	-5.25	-0.002793	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	30	-5.69	-0.003027	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	40	-9.13	-0.004856	±2.5	PASS
Band2	20MHz	64QAM	18900	100RB#0	NV	50	-4.35	-0.002314	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	-30	-4.73	-0.002489	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	-20	-5.19	-0.002732	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	0	-4.95	-0.002605	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	10	-4.35	-0.002289	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	20	-4.59	-0.002416	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	30	-4.62	-0.002432	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	40	-4.21	-0.002216	±2.5	PASS
Band2	20MHz	64QAM	19100	100RB#0	NV	50	-5.35	-0.002816	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	3.82	0.002054	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	4.22	0.002269	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	1.70	0.000914	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	1.80	0.000968	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	1.20	0.000645	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	1.40	0.000753	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	1.40	0.000753	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	1.90	0.001022	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-3.55	-0.001888	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-3.79	-0.002016	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-4.41	-0.002346	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-3.83	-0.002037	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-3.85	-0.002048	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-4.31	-0.002293	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-3.99	-0.002122	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-4.36	-0.002319	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-4.75	-0.002500	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-4.45	-0.002342	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-3.89	-0.002047	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-5.01	-0.002637	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-4.18	-0.002200	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-5.81	-0.003058	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-4.29	-0.002258	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-4.43	-0.002332	±2.5	PASS

#### The End



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